IDENTIFICATION TAG	DESCRIPTION	VENDOR
FIXTURES (CABINETS, PRESENTATION FIXTURES, CASHWRAPS, BACKWRAPS, MARKETING & GRAPHICS)		
BWFC3L-FSS-V01-BL-SPL	BBW (LIT) FREESTANDING LARGE FOCAL - 3 BAY (BL), SHALLOW, OPEN BACK	OCH
BWWC3-FSS-V01-WH-SPL	BBW FREESTANDING WALL CABINET - 3 BAY (WH), SHALLOW, OPEN BACK	ROYAL LASER
WBMGC3-FST-V01-SPL	WB (LIT) FREESTANDING TALL GABLE - 3 BAY, OPEN BACK	OCH
WBMTI-FS-V01-SPL	WB FREESTANDING TOWER SHELF - 1 SECTION, OPEN BACK	OCH
FINISHES		
--	--	--
TRIMS		
--	--	--
LIGHTING		
--	--	--

Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

City of Puyallup Development Engineering APPROVED
See permit for additional requirements.
Linda Lian
01/25/2023
4:23:17 PM

City of Puyallup Development & Permitting Services ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

BUILDING/PLUMBING/MECHANICAL PERMIT 2018 CODES

City of Puyallup Building REVIEWED FOR COMPLIANCE
DLeahy
01/31/2023
1:19:15 PM

PROJECT SCOPE:

THIS PROJECT IS THE FULL REMODEL OF THE EXISTING 'BATH & BODY WORKS' STORE AND EXPANSION INTO THE ADJACENT VACANT SPACE. WORK IS TO INCLUDE, BUT NOT BE LIMITED TO, THE FULL REMODEL OF EXISTING FLOORING, WALL CONSTRUCTION, LIGHTING, CEILINGS & STOREFRONT CONSTRUCTION.

NOTE:

USAGE HISTORY: BATH & BODY WORKS
VACANT

PROPOSED USE: BATH & BODY WORKS AND WHITE BARN
SPACE NUMBER(S): 235
IS TO BE USED EXCLUSIVELY FOR RETAIL SALES

SHEET	SHEET TITLE	REVISIONS 1	2	3	4	5	6
ARCHITECTURAL							
A00.0	COVER SHEET	●					
A00.1	RESPONSIBILITY AND FINISH SCHEDULES						
A00.2	DOOR SCHEDULE AND DETAILS	●					
A01.1a	DEMOLITION PLAN	●					
A01.1b	DEMOLITION PLAN	●					
A01.2	BARRICADE PLAN & ELEVATION						
A02.1a	CONSTRUCTION PLAN	●					
A02.1b	CONSTRUCTION PLAN	●					
A04.1a	REFLECTED CEILING PLAN	●					
A04.1b	REFLECTED CEILING PLAN						
A05.1a	FLOOR & WALL FINISH PLAN	●					
A05.1b	FLOOR & WALL FINISH PLAN	●					
A06.1a	PRESENTATION PLAN	●					
A06.1b	PRESENTATION PLAN	●					
A07.1	INTERIOR ELEVATIONS	●					
A07.2	INTERIOR ELEVATIONS & DECOR DETAILS	●					
A08.1a	STOREFRONT ELEVATION	●					
A08.1b	STOREFRONT ELEVATION	●					
A08.1c	STOREFRONT ELEVATION						
A08.1d	GINGHAM PANEL & TRIM LAYOUT DIS. WINDOW 1	●					
A08.1e	GINGHAM PANEL & TRIM LAYOUT MAIN ENTRY	●					
A08.1f	GINGHAM PANEL & TRIM LAYOUT DIS. WINDOW 2						
A08.3	STOREFRONT SECTIONS	●					
A08.6	BBW INTERIOR STOREFRONT DETAILS						
A10.1	BBW PERIMETER CABINETRY DETAILS						
A10.1a	BBW FREESTANDING CABINETRY DETAILS	●					
A11.1	WBC PERIMETER CABINETRY DETAILS						
A11.1a	WBC PERIMETER CABINETRY DETAILS						
A11.1b	WBC FREESTANDING CABINETRY DETAILS	NEW					
A11.2	WB TRANSITION, CA & BW DETAILS						
A12.1	PARTITION AND CEILING DETAILS	●					
A13.1	TOILET ROOM AND NON-SALES DETAILS	●					
A14.1	NON-SALES DETAILS						
A14.2	NON-SALES DETAILS						
A15.1	SPECIFICATIONS						
A15.2	SPECIFICATIONS						
A15.3	SPECIFICATIONS						
A15.4	SPECIFICATIONS						
38	TOTAL ARCHITECTURAL SHEETS						
STRUCTURAL							
S01.01	STRUCTURAL SPECIFICATIONS & NOTES						
S02.01	STOREFRONT FRAMING PLAN						
S03.01	STRUCTURAL CONSTRUCTION DETAILS						
S03.02	STRUCTURAL CONSTRUCTION DETAILS						
S05.01	MECH SUPPORT FRAMING PLAN & DETAILS						
S05.02	MECH SUPPORT FRAMING PLAN & DETAILS						
06	TOTAL STRUCTURAL SHEETS						
ELECTRICAL							
E01.01	ELECTRICAL NOTES AND SCHEDULES						
E02.01	ELECTRICAL POWER & LOW VOLTAGE PLAN	●					
E03.01	ELECTRICAL LIGHTING PLAN	●					
E04.01	ELECTRICAL DETAILS						
E04.02	ELECTRICAL DETAILS						
E04.03	ELECTRICAL DETAILS						
E05.01	ELECTRICAL PANELS & RISER DIAGRAM	●					
E05.02	ELECTRICAL PANELS & RISER DIAGRAM	●					
E05.03	ELECTRICAL PANELS & RISER DIAGRAM	●					
E06.01	ELECTRICAL SPECIFICATIONS						
10	TOTAL ELECTRICAL SHEETS						
MECHANICAL							
M01.01	MECHANICAL NOTES AND SCHEDULES	●					
M02.01	MECHANICAL PLAN	●					
M03.01	MECHANICAL DETAILS						
M04.01	MECHANICAL RESPONSIBILITY SCHEDULES	●					
M05.01	MECHANICAL SPECIFICATIONS	●					
M06.01	WSEC REQUIREMENTS	●					
M06.02	WSEC REQUIREMENTS	●					
M06.03	WSEC REQUIREMENTS	●					
M06.04	WSEC REQUIREMENTS	●					
09	TOTAL MECHANICAL SHEETS						
PLUMBING							
P01.01	PLUMBING NOTES, SCHEDULES, AND ISOMETRICS	●					
P02.01	PLUMBING & FIRE SPRINKLER HEAD PLAN	●					
P03.01	PLUMBING AND FIRE PROTECTION DETAILS	●					
P03.02	PLUMBING AND FIRE PROTECTION DETAILS	NEW					
P04.01	PLUMBING AND FIRE PROTECTION SPECIFICATIONS						
04	TOTAL PLUMBING SHEETS						
68	TOTAL SHEETS						

PROHIBITION ON REUSE:
THESE DRAWINGS AND SPECIFICATIONS WERE PREPARED FOR USE ON A SPECIFIC SITE CONTEMPORANEOUSLY WITH THEIR ISSUE DATE. THEY ARE NOT INTENDED FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. REUSE OF THESE DRAWINGS AND SPECIFICATIONS, OR ANY REPRODUCTION THEREOF, ON ANOTHER PROJECT IS PROHIBITED AND CONTRARY TO LAW UNLESS EXPRESSLY AUTHORIZED IN WRITING BY BATH & BODY WORKS, INC. ('BBWI').
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THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING DOCUMENTS MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

FULL SIZED LEDGIBLE **COLOR** PLANS ARE REQUIRED TO BE PROVIDE BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS MIN. PLAN SIZE 42 X 30

ABV	ABOVE	MAX	MAXIMUM
ACT	ACOUSTICAL CEILING TILE	MDF	MEDIUM DENSITY FIBERBOARD
A.F.F.	ABOVE FINISH FLOOR	MECH	MECHANICAL
AFR	ACCESSIBLE FITTING ROOM	MFG	MANUFACTURER
ALUM	ALUMINUM	MISC	MISCELLANEOUS
A.M.I.	AMERICAN WOOD INSTITUTE	MIN	MINIMUM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	mm	MILLIMETER
		MTD	MOUNTED
BBWI	BATH & BODY WORKS INC	MTL	METAL
BD	BOARD		
BLKG	BLOCKING	N.I.C.	NOT IN CONTRACT
B.O.	BOTTOM OF	N.P.	NEUTRAL PIER
BW	BACKWRAP	(N)	NEW
		N.T.S.	NOT TO SCALE
℄ / CL	CENTERLINE		
CLG	CEILING	O.C.	ON CENTER
C.M.	CONSTRUCTION MANAGER	O.D.	OUTSIDE DIMENSION
COL	COLUMN	OPNG	OPENING
CONC	CONCRETE	OPP.	OPPOSITE
CONSTR	CONSTRUCTION		
CONT	CONTINUOUS	PL	PLATE
C.T.F.	CUT TO FIT	PLEX	PLEXIGLAS
CW	CASHWRAP	PLYWD	PLYWOOD
C/C	CENTER TO CENTER	PREFIN	PREFINISHED
		PM	PROJECT MANAGER
DIAG	DIAGONAL	P.T.	PRESERVATIVE TREATED
DIA.	DIAMETER		
		QTY	QUANTITY
EA	EACH		
ELEV	ELEVATION	(R)	RELOCATED
E.P.A.	ENVIRONMENTAL PROTECTION AGENCY	RAD	RADIUS
EQ	EQUAL	REQD	REQUIRED
EXIST/(E)	EXISTING	(REF)	REFERENCE
EXT	EXTERIOR	RGS	REGISTERS
		R.O.	ROUGH OPENING
F.C.D.	FINISHED CABINET DIMENSION		
FD	FLOOR DRAIN	S.C.	SOLID CORE
F.D.	FINISH DIMENSION	SECT	SECTION
FHSDS	FLAT HEAD SELF DRILLING SCREW	SHT	SHEET
FIN	FINISH	SIM	SIMILAR
FL	FLOOR	SPL	SPECIAL
FLG	FLOORING	SQ	SQUARE
FLUOR	FLUORESCENT	SQ FT / S.F.	SQUARE FEET
F.R.T.	FIRE RESISTIVE TREATED	SSMA	STEEL STUD MANUFACTURERS ASSOC.
FR	FITTING ROOM	STC	SOUND TRANSMISSION COEFFICIENT
		STL	STEEL
GA	GAUGE	STRUCT	STRUCTURE
G.C.	GENERAL CONTRACTOR	SURF	SURFACE
GYP.BD	GYPSUM BOARD		
		TEMP	TEMPERATURE
HDF	HIGH DENSITY FIBERBOARD	THRU	THROUGH
HGT	HEIGHT	T.O.	TOP OF
HORIZ	HORIZONTAL	TYP	TYPICAL
H.M.	HOLLOW METAL		
HR	HOUR	U.L.	UNDERWRITERS LABORATORIES
HVAC	HEATING, VENTILATION, AIR CONDITIONING	U.O.N.	UNLESS OTHERWISE NOTED
I.D.	INSIDE DIMENSION	V.C.	VOLUME CONTROL
INCAND	INCANDESCENT	VERT	VERTICAL
INT	INTERIOR	V.I.F.	VERIFY IN FIELD
LAV	LAVATORY	W/	WITH
LL	LANDLORD	WBC	WHITE BARN CANDLE
L.L.	LEASE LINE	WD	WOOD
		W/O	WITHOUT
		W.I.C.	WOOD INSTITUTE COUNCIL

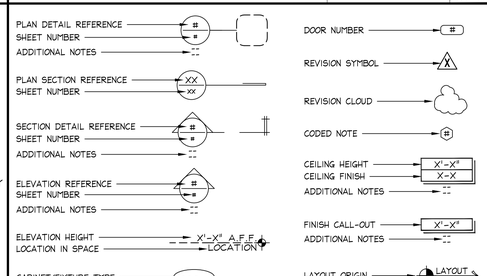
SPECIAL STORE SPECIFIC OWNER PROVIDED ITEMS

N.T.S. — 42N-A000-S00-NOTE — **S** 08.14.18

1. ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS DOCUMENTS AND THE ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE BBWI PROJECT MANAGER BEFORE PROCEEDING WITH ANY WORK.
2. THE CONTRACTOR SHALL REVIEW ALL DOCUMENTS AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND SHALL CONFIRM THAT WORK IS BUILDABLE AS SHOWN. ANY CONFLICTS OR OMISSIONS, ETC., SHALL BE IMMEDIATELY REPORTED TO THE BBWI PROJECT MANAGER FOR CLARIFICATION PRIOR TO THE PERFORMANCE OF ANY WORK IN QUESTION.
3. WHEN CONTRACTOR ACCEPTS DELIVERY OF ALL ITEMS NOTED ON PLANS WHETHER IN CONTRACT OR NOT IN CONTRACT, HE SHALL BE RESPONSIBLE FOR LOSS AND/OR DAMAGE TO THESE ITEMS.
4. THE CONTRACTOR SHALL MAINTAIN FOR THE ENTIRE DURATION OF THE WORK ALL EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES AND ALARMS IN CONFORMANCE WITH ALL APPLICABLE CODES AND ORDINANCES.
5. DURING ALL PHASES OF WORK, DO NOT DISTURB THE DELIVERIES AND FUNCTIONS OF ADJACENT AND NEIGHBORING TENANTS.
6. 'TYP.' SHOULD MEAN THAT THE CONDITION IS REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT. UNLESS OTHERWISE NOTED, DETAILS ARE USUALLY KEYED AND NOTED 'TYP.' ONLY ONCE WHEN THEY FIRST OCCUR.
7. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS
8. ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER OTHER DRAWINGS FOR LAYOUT DIMENSIONS AND NUMBER OF ITEMS PROVIDED. UPON DISCOVERY OF DISCREPANCIES BETWEEN ARCHITECTURAL DRAWINGS AND ENGINEERING DRAWINGS, THE GENERAL CONTRACTOR SHALL NOTIFY THE BBWI PROJECT MANAGER IMMEDIATELY.
9. DIMENSIONS SHOWN ON PLANS ARE TO FACE OF GYPSUM BOARD, CONCRETE COLUMNS OR GRID LINES AND FACE OF EXTERIOR MASONRY UNLESS OTHERWISE NOTED OR DETAILED.
10. CONTRACTOR SHALL, IN THE WORK OF ALL TRADES, PERFORM ANY AND ALL CUTTING, PATCHING RESTORING, REPAIRING AND THE LIKE NECESSARY TO COMPLETE THE WORK AND RESTORE ANY DAMAGED SURFACES RESULTING FROM THE WORK TO THEIR ORIGINAL CONDITION. ALL ROOF PATCHING SHALL RETURN AREA TO 'LIKE NEW' CONDITION. PRIOR TO BIDDING, G.C. TO VERIFY ANY ROOF WARRANTIES WITH LANDLORD AND INCLUDE IN CONTRACT.
11. EACH CONTRACTOR SHALL LEAVE THE SITE IN A NEAT, CLEAN AND ORDERLY CONDITION UPON THE COMPLETION OF HIS WORK ON A DAILY BASIS. ALL WASTE, RUBBISH AND EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE PROMPTLY. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL TRASH, INCLUDING OWNER-FURNISHED ITEMS AND TRASH GENERATED BY OWNER'S CONTRACTORS FOR THE DURATION OF THE PROJECT.
12. FIRE SPRINKLER AND SIGNAGE SHOP DRAWINGS TO BE SUBMITTED UNDER SEPARATE COVER.
13. CONTRACTOR TO PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A/10BC WITHIN 75' TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING DURING CONSTRUCTION.
14. CONTRACTOR TO PROVIDE MINIMUM THREE FIRE EXTINGUISHERS (TWO IN SALES AND ONE IN NON-SALES) OR AS REQUIRED BY FIRE MARSHALL. VERIFY EXACT LOCATIONS WITH BBWI PROJECT MANAGER PRIOR TO INSTALLATION. G.C. TO MAKE SURE ALL FIRE EXTINGUISHERS ARE CERTIFIED PRIOR TO TURNOVER OF STORE. SEE FIRE PROTECTION SPECIFICATIONS.
15. GENERAL CONTRACTOR TO PROVIDE DRAFTSTOPPING AND/OR FIREBLOCKING IF REQUIRED BY THE LOCAL JURISDICTION.
16. A 44" CLEAR AISLE SHALL BE PROVIDED AND MAINTAINED THROUGH ROOMS TO EXIT DOORS.
17. NO FOOD IS TO BE PREPARED, STORED OR SERVED ON THE PREMISES.
18. ALL SECURITY DOOR AREAS TO BE PROVIDED WITH A KEY LOCKING DEVICE SO AS TO ENABLE DOOR TO BE LOCKED IN THE OPEN POSITION AND REMAIN UNLOCKED DURING BUSINESS HOURS (WITH THE EXCEPTION OF THE REAR SERVICE DOOR.)
19. ONLY PANIC HARDWARE APPROVED AND LISTED BY THE STATE FIRE MARSHALL SHALL BE INSTALLED.
20. EXIT DOORS SHALL SWING IN THE DIRECTION OF EXIT TRAVEL WHEN SERVING 50 OR MORE PERSONS.
21. DOORS OPENING INTO ONE-HOUR FIRE-RESISTIVE CORRIDOR SHALL BE PROTECTED WITH A SMOKE OR DRAFT STOP FIRE ASSEMBLY HAVING A MIN. 20 MINUTE RATING OR AS NOTED IN DOOR SCHEDULE.
22. EXIT SIGNS SHALL BE ELECTRICALLY ILLUMINATED AND THE TWO LAMPS SHALL BE ENERGIZED FROM SEPARATE CIRCUITS. ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES WIRING SYSTEM. IN THE EVENT OF FAILURE OF THIS SYSTEM, ILLUMINATION SHALL BE AUTOMATICALLY PROVIDED FROM AN EMERGENCY BACKUP SYSTEM. EMERGENCY LIGHTING SHALL GIVE A VALUE OF MIN. ONE FOOTCANDLE AT FLOOR LEVEL, UNIFORM THROUGHOUT EGRESS PATH.
23. FIRE DAMPERS SHALL BE PROVIDED BY MECHANICAL SUBCONTRACTOR WHERE DUCTS PENETRATE FIRE-RATED WALLS OR CEILINGS. REFER TO MECHANICAL DRAWINGS.
24. EVERY EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE, OR EFFORT.

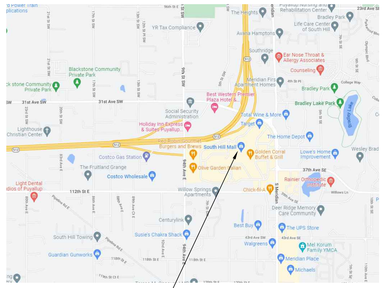
SCOPE OF WORK

N.T.S. — 42N-A000-N00-NOTE — **M** 02.25.10



SYMBOL LEGEND

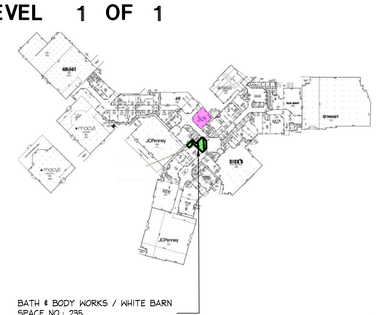
N.T.S. — 42N-A000-L00-NOTE — **L** 02.25.10



VICINITY MAP

N.T.S. — 42N-A000-K00-NOTE — **K** 02.25.10

LEVEL 1 OF 1



☒ FLOOR OUTLETS TO BE SLAB ON GRADE
☐ FLOOR OUTLETS TO BE POKE-THROUGH

KEY PLAN

N.T.S. — 42N-A000-J00-NOTE — **J** 02.25.10

DRAWING INDEX

N.T.S. — 42N-A000-E00-NOTE — **F** 02.25.10

THIS SET OF DRAWINGS WAS ORIGINATED USING THE 231Sa.00 MASTERS

BULLETIN UPDATE NO.	DRAWING ISSUANCE	BULLETIN UPDATE NO.	DRAWING ISSUANCE	BULLETIN UPDATE NO.	DRAWING ISSUANCE
X	X	X	X	X	X

BULLETIN IMPLEMENTATION

N.T.S. — 42N-A000-B00-NOTE — **E** 10.14.11

ABBREVIATIONS

N.T.S. — 42N-A000-D00-NOTE — **D** 11.05.14

STORE TYPE:	BATH & BODY WORKS / WHITE BARN
LOCATION:	PUYALLUP, WA
BUILDING LEVEL:	1 OF 1
APPLICABLE CODES:	INTERNATIONAL BUILDING CODE W/STATE & LOCAL AMENDMENTS - 2018 INTERNATIONAL MECHANICAL CODE W/STATE & LOCAL AMENDMENTS - 2018 NATIONAL ELECTRICAL CODE W/STATE & LOCAL AMENDMENTS - 2020 UNIFORM PLUMBING CODE W/STATE & LOCAL AMENDMENTS - 2018 WASHINGTON STATE ENERGY CODE - 2018 INTERNATIONAL FIRE CODE W/STATE & LOCAL AMENDMENTS - 2018 NFPA STANDARD 13, 13-D, 13-R AND 72 - 2016 ICC/ANSI A117.1 - 2009
OCCUPANCY GROUP:	MERCANTILE - M
SEISMIC DESIGN CATEGORY:	SDC D
DESIGN WIND SPEED:	97 MPH
CONSTRUCTION TYPE:	11B
FIRE RESISTIVE REQUIREMENTS:	DEMISING WALL..... (1 HOUR) SALES/NON-SALES WALL... (0 HOUR) CEILING..... (0 HOUR) COLUMNS..... (0 HOUR)
FIRE SPRINKLERS:	ENTIRE SALES AND NON-SALES AREA OF THE STORE IS TO RECEIVE AN AUTOMATIC FIRE SPRINKLER SYSTEM AS PER APPROVED FIRE PROTECTION PLANS.
FIRE ALARM SYSTEM:	REQUIRED: YES
OCCUPANCY LOAD BREAKDOWN:	SALES AREA: 3,786 SQUARE FEET / 64 = 60 NON-SALES AREA: 1036 SQUARE FEET / 300 = 4 TOTAL = 68
REQUIRED EXITS:	NUMBER OF EXITS REQUIRED: 02 NUMBER OF EXITS PROVIDED: 02
MAX ALLOWABLE TRAVEL DISTANCE:	250 FEET
COMMON PATH:	75 FEET
DEAD END CORRIDOR:	50 FEET
RESTROOM REQUIREMENTS:	WATER CLOSETS: 1 UNISEX REQUIRED, 1 UNISEX PROVIDED LAVATORIES: 1 UNISEX REQUIRED, 1 UNISEX PROVIDED

	YES	NO
PUBLIC ACCESS REQUIRED:	☒	☐
UNISEX PERMITTED:	☒	☐
BABY CHANGING STATION REQUIRED:	☐	☒
GENDER NEUTRAL SIGNAGE REQUIRED:	☒	☐
HI/LO DRINKING FOUNTAIN REQUIRED:	☒	☐
BUBBLER PERMITTED:	☐	☒

VESTIBULE REQUIREMENTS:	VESTIBULE REQUIRED: N/A IF REQUIRED, IS AIR CURTAIN ALLOWED: N/A
EGRESS THRU NON-SALES REQUIREMENTS:	DEMARCATED PATH (DEFINED BY FULL OR PARTIAL HEIGHT WALLS): YES RATED CORRIDOR: NO
PERMITTED OFF/IN EGRESS CORRIDOR:	RESTROOMS: YES / STORAGE: NO / ELECTRICAL PANELS: YES

CODE SYNOPSIS

N.T.S. — 42N-A000-C00-NOTE — **C** 02.25.10

SQUARE FOOTAGE CALCULATIONS:

GROSS SQUARE FOOTAGE TOTAL	4,822 S.F.	
SALES SQUARE FOOTAGE TOTAL (INCLUDES ALL ROWS WITH ■)	3,786 S.F.	79 %
NON SALES SQUARE FOOTAGE TOTAL (INCLUDES ALL ROWS WITH □)	1,036 S.F.	21 %

SALES SQUARE FOOTAGE SUMMARY:

BBW SALES AREA	1834 S.F.	■
WBC SALES AREA	1952 S.F.	■

NON-SALES SQUARE FOOTAGE SUMMARY:

STOCK AREA: INCLUDES STOCK/STAGING, MANAGER'S DESK	727 S.F.	□
AUXILIARY AREA: MECH/ELEC/TELCO ROOM(S), LAVATORY(S), EXIT CORRIDORS & DUMBWAITER	309 S.F.	□
UNIMPROVED AREA: ALL SPACE ABANDONED BY BRAND	0 S.F.	□

STOREFRONT:

TOTAL LINEAR FRONTAGE	112' 3 1/4" L.F.

AREA CALCULATIONS

N.T.S. — 42N-A000-A00-NOTE — **A** 02.25.10

Bath&BodyWorks

Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

BATH & BODY WORKS
STORE NO. 104.01.0737.01
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

TENANT

BATH & BODY WORKS AND WHITE BARN
THREE LIMITED PARKWAY
COLUMBUS, OHIO 43230
(614) 415-7000

TENANT'S REPRESENTATIVES

PROJECT MANAGER:	KAREEN BALOGO 619.757.6594
SOURCING AGENT	ASHLEY LA TOUR 614.415.6719
PROJECT DESIGNER:	TRAN NGUYEN 773.899.1999
CALIBER PROJECT COORDINATOR:	TBD TBD

DEVELOPER

CAFARO NORTHWEST PARTNERSHIP
5577 YOUNGSTOWN-WARREN ROAD
NILES, OH 44446
330.747.2661

PROPERTY MANAGER

KEVIN HOVEY
253.840.2828
PROPERTYMANAGER@SOUTHHILLMALL.COM

CONSULTANTS

ARCHITECTURAL
GREENBERGFARROW
30 EXECUTIVE PARK, SUITE 100
IRVINE, CA 92614
ARCHITECT OF RECORD: DOUG COUPER
POINT OF CONTACT: SOFIE VERMEULEN
SVERMEULEN@GREENBERGFARROW.COM
419.280.0402

8768 REGISTERED ARCHITECT 1/9/2023 DOUGLAS S. COUPER STATE OF WASHINGTON

MECHANICAL / ELECTRICAL
THORSON BAKER + ASSOCIATES
525 METRO PLACE NORTH, SUITE 175
DUBLIN, OH 43017
POINT OF CONTACT: RYAN WAGNER

STRUCTURAL
GREENBERGFARROW
21 S. EVERGREEN AVE, SUITE 200
ARLINGTON HEIGHTS, IL 60005
POINT OF CONTACT: KEVIN MAHLUM

GENERAL CONTRACTOR
TBD

SCOPE:	FULL REMODEL	PACKAGE:	SIS PKG 2
DESIGN TYPE:	BBW ES/WBC 2021	GENERATION:	231Sa.00
BBWI PROJECT #:	00116082	A/E PROJECT #:	20221012.0

BBWI PROJECT NUMBER: 00116082
ISSUED: NOVEMBER 4TH, 2022
BID DATE: NOVEMBER 23, 2022

REVISIONS

REQUIRED BY:	DATE	REQUIRED BY:	DATE
1 REV 1 - POR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022		

PRCTI20221802

COVER SHEET A00.0

TOILET ROOM	FURNISHED BY O	G	L	INSTALLED BY O	G	L	REMARKS
CEILING (ACT)		●			●		
LIGHT FIXTURES & LAMPS	●				●		
MOP SINK WITH 42" HOSE		●			●		
MOP HOLDER & HOSE HOLDER		●			●		FRICTION TYPE, DOUBLE AND SINGLE STRIP
"PAINTED" TOILET ROOM							
FLOORING		●			●		
VINYL BASE		●			●		
F.R.P. PANEL		●			●		
DOOR, FRAMES & HARDWARE		●			●		REFER TO DOOR SCHEDULE
MIRROR		●			●		
CABINET		●			●		
ADA SIGNAGE	●				●		
PLUMBING FIXTURES		●			●		SEE MEP DRAWINGS
ACCESSORIES		●			●		TOILET PAPER & PAPER TOWEL HOLDERS, COAT HOOK
ACCESSIBLE GRAB BARS		●			●		
HALLWAY/CORRIDOR							
CEILING		●			●		REFER TO REFLECTED CEILING PLAN
LIGHT FIXTURES & LAMPS	●				●		
DRINKING FOUNTAIN	●				●		SEE MEP DRAWINGS
DRINKING FOUNTAIN RAILS		●			●		
METAL WALL CORNER GUARDS		●			●		SEE A02.1
FLOORING		●			●		
VINYL BASE		●			●		
F.R.P. PANEL		●			●		APPLY ON EXPOSED WALLS. SEE A05.1 FOR LOCATIONS.
NON-SALES							
CEILING (EXPOSED STRUCTURE)			●			●	
CEILING (ACT)		●			●		
LIGHT FIXTURES & LAMPS	●				●		
FLOORING		●			●		
VINYL BASE		●			●		
F.R.P. PANEL		●			●		APPLY ON EXPOSED WALLS. SEE A05.1 FOR LOCATIONS.
REAR SERVICE DOOR							REFER TO DOOR SCHEDULE
REAR SERVICE DOOR HARDWARE							REFER TO DOOR SCHEDULE
REAR SERVICE LIGHTING	●				●		
REAR SERVICE DOOR DELIVERY BUZZER SYSTEM		●			●		
EMERGENCY OPERATIONS CENTER BACK DOOR STICKER	●				●		
MAGNETIC MARKER BOARDS	●				●		NS-62, SEE INTERIOR ELEVATIONS FOR MOUNTING CONFIGURATION
(N) SHELVING UNITS (FIXED & MOBILE)	●				●		
PERIMETER SHELVES		●			●		
PERIMETER SHELVING HARDWARE	●				●		STANDARDS, BRACKETS, CLIPS, ETC.
METAL WALL CORNER GUARDS		●			●		
DRAWING PLAN TUBE HOLDER		●			●		
HOOKS		●			●		NS-14
LOCKERS	●				●		NS-38/NS-39
MUSIC CONTROL SYSTEM	●				●		AT MNGR DESK, SEE PLAN
MANAGER'S WORKSTATION	●				●		NS-53
SAFE	●				●		NS-56
MICROWAVE	●			●			NS-30, BY BRAND
BREAK BAR		●			●		NS-31
BREAK AREA STOOLS	●				●		NS-57
LARGE REFRIGERATOR		●			●		NS-15b (ENERGY STAR RATED - MIN. 18 CU. FT.) - WHITE
SLAT WALL SYSTEM	●				●		NS-40
IT CABINET	●			●			
TABLET CHARGING STATION	●				●		NS-61, BY BRAND
TABLET CHARGING STATION COUNTER		●			●		COUNTER TO MATCH BREAK BAR
LADDER HOOKS AND BUNGEE CORDS		●			●		QTY. 8, SECURE BRAND PROVIDED LADDERS.
CORKBOARD		●			●		4'x3' (1220mm x 915mm)
MEP AND STRUCTURAL							
MEP AND STRUCTURAL WORK - REFER TO MEP AND STRUCTURAL DRAWINGS							

GENERAL SALES AREA	FURNISHED BY O	G	L	INSTALLED BY O	G	L	REMARKS
CEILING		●			●		
FLOORING	●				●		
LIGHT FIXTURES	●				●		
CABINETRY & FRAMING CLIPS	●				●		
SHELVING & HARDWARE	●				●		
PRESENTATION / FLOOR FIXTURES	●				●		G.C. TO USE "LOC LOCTITE" WHEN INSTALLING DOOR/DRAWER PULLS
CASHWRAP CABINET	●				●		
BACKWRAP CABINET	●				●		
FLOORING FILL AND PREPARATION		●			●		
TRAFFIC COUNTER	●			●			CONDUITS & J BOX BY G.C.
TRAFFIC COUNTER MOUNTING BRACKET	●				●		OUTLET IF APPLICABLE, BY G.C.
MUSIC SYSTEM SPEAKERS & WIRING (WITHOUT VIDEO)	●				●		
RF TECH WIRING AND ANTENNA	●			●			CONDUITS & J BOX BY G.C.
LVAN CONDUIT		●			●		
LVAN WIRING AND EQUIPMENT	●			●			
BURGLAR ALARM	●			●			
STRETCH FABRIC SCREEN	●				●		
WALL BASE		●			●		
DOOR, FRAMES & HARDWARE							REFER TO DOOR SCHEDULE
WALL DECOR & GRAPHIC FRAMES	●				●		SEE A07.2
WALLCOVERING	●				●		
WOOD TRIMS		●			●		SEE DETAIL G/A10.1
LAMINATE CASHWRAP AND COUNTERTOP	●				●		
METAL CORNER GUARDS	●				●		
LIT SIGNAGE	●			●			
BBW CROWN TRIM	●			●			TRB-09
WB TRANSITIONS							
EJECTOR / DRAIN PUMP		●			●		IF REQUIRED
ACCESS PANEL		●			●		BELOW DEMO SINK (IF APPLICABLE)
ART & DECOR	●				●		
CREDENZA	●				●		
BASE CABINET, COUNTERTOP, SINK	●				●		
LIT SIGNAGE	●			●			INCLUDING ATTACHMENT
WALL BASE		●			●		
WALLCOVERING	●				●		
METAL WALL CORNER GUARDS	●				●		
WOOD SOFFIT TRIM		●			●		
GENERAL STOREFRONT							
NEUTRAL PIERS							EXISTING
STRUCTURAL STEEL		●			●		
BLADE SIGN	●			●			
BLOCKING FOR BLADE SIGN		●			●		EXISTING
LIGHT FIXTURES & LAMPS	●				●		
SIGNAGE	●			●			INCLUDING ATTACHMENT
WINDOW DECALS	●			●			
BRAKE MTL. (FASCIA)	●				●		VARIES, SEE ELEVATIONS G.C. TO ORDER
BRAKE MTL. ADHESIVE		●			●		
(N) ALUMINUM WINDOW SYSTEM & GLAZING		●			●		SEE STOREFRONT DRAWINGS
GLAZING & GLAZING CHANNELS		●			●		
BBW NON-ILLUM. METAL GINGHAM STOREFRONT							
REVEAL							EXISTING TO REMAIN
SLIDING GRILLE	●			●			EGRESS DOOR ONLY IF REQUIRED REFER TO DOOR SCHEDULE
SLIDING GRILLE STRUCTURAL SUPPORTS & FRAMING		●			●		
SLIDING GINGHAM PANEL	●				●		
DUST PROOF STRIKES FOR SLIDING PANEL		●			●		REFER TO A08.6 FOR LOCATIONS
ALUMINUM COMPOSITE GINGHAM PANEL	●				●		
GINGHAM PANEL ADHESIVE		●			●		
WHITE METAL TRIMS / PANELS	●				●		REFER TO STOREFRONT DETAILS FOR PROFILES
SURFACE MOUNTED LIGHTBOX	●				●		ADHESIVE BY VENDOR, SILICONE BY G.C.
GENERAL							
DEMISING WALL (CMU / METAL STUDS)							EXISTING TO REMAIN
DEMISING WALL GYP. BD.							EXISTING TO REMAIN
CONCRETE SLAB							EXISTING TO REMAIN
FLOOR LEVELING (AS REQUIRED)		●			●		
INSULATION (AS REQUIRED)		●			●		
IN-WALL BLOCKING		●			●		
GYP. BD. PARTITIONS		●			●		
F.R.T. PLYWOOD		●			●		
DOORS, DOOR FRAMES, & HARDWARE							REFER TO DOOR SCHEDULE
U-CHANGE CYLINDER @ FRONT ENTRY & REAR PANIC BAR		●			●		EXTERIOR ENTRY STORES
PAINT / COATINGS		●			●		

GENERAL (CONTINUED)	FURNISHED BY O	G	L	INSTALLED BY O	G	L	REMARKS
TEMPORARY TELEPHONE		●			●		
FIRE EXTINGUISHERS		●			●		
EXIT LIGHTS	●				●		
ACCESS PANELS		●			●		AT GYP. BD. CEILING, IF REQUIRED
EXPANSION JOINT COVER		●			●		WALL, CEILING, AND/OR FLOOR AS REQUIRED

DEMOLITION	FURNISHED BY O	G	L	INSTALLED BY O	G	L	REMARKS
DEMOLITION		●			●		
TEMPORARY POWER	●				●		
TEMPORARY LIGHTING		●			●		
DUMPSTER		●			●		
CONSTRUCTION WINDOW PAPER		●			●		
BARRICADE: CONSTRUCTION & PAINTING		●			●		VERIFY WITH LANDLORD
BARRICADE GRAPHICS (TENANT)	●			●			PER OWNER'S SPECIFICATIONS
ACM GRAPHICS PANEL (TENANT)	●				●		EXTERIOR BARRICADES
BARRICADE GRAPHICS (MALL)			●			●	PER LANDLORD'S SPECIFICATIONS

RESPONSIBILITY SCHEDULE CONTINUED

CODE	MATERIAL	MANUFACTURER	DESCRIPTION	LOCATION/NOTES
FLOOR COVERINGS				
FC-4	VINYL COMPOSITE TILE	ARMSTRONG	EXCELON NO. 51901 - "TAUPE", IMPERIAL TEXTURE	NON-SALES FLOOR
FC-5	VINYL COMPOSITE TILE	ARMSTRONG	EXCELON NO. 51816 - "CHERRY RED", IMPERIAL TEXTURE	NON-SALES FIRE LANE, IN FRONT OF ELECTRICAL PANELS
FC-13	VINYL COMPOSITE TILE	ARMSTRONG	EXCELON NO. 51869 - "HUMMUS" IMPERIAL TEXTURE	NON-SALES PROCESSING AREA ONLY
FC-14	WALK-OFF MAT	MATWORKS 301-837-1272	DESIGNER LINKS "SAFARI" CARPET W/ TACFAST BACKING IN DARK BROWN, PVC GRATE CALL (301) 837-1272	INTERIOR WALK-OFF MAT FOR EXTERIOR STORES
FC-90	CERAMIC TILE	REFIN	25cm X 150cm LARIX SERIES - "NATURAL". RECTIFIED EDGE.	SALES AREA FLOORING, BRICK & WALLCOVERING TOILET ROOMS & ASSOCIATED PUBLIC HALLWAY; RANDOM RUNNING LENGTH PATTERN, SEE DETAIL ON A05.1. TILE TO BE INSTALLED W/ MINIMAL 1/16" [2mm] GROUT LINES EXPOSED. (S-90 GROUT)
BASE COVERING				
B-1	VINYL BASE	JOHNSONITE	CB-121-4 - "CEMENT", 4" [102mm] HIGH COVE BASE. USE JOHNSONITE 946 PREMIUM CONTACT ADHESIVE PER VENDOR SPECIFICATIONS	NON-SALES, TOILET ROOM, HALLWAY. CONTACT SCOTT STERTMEYER. 1-713-254-4791 SCOTT.STERTMEYER@TARKETT.COM
B-13	WOOD BASE	G.C.	PAINT GRADE POPLAR - 3/4" X 6" [19mm x 152mm]	SALES AREA. REFER TO FINISH PLAN FOR PAINT FINISH
B-91	WOOD BASE	OCH	10" WOOD BASE TO MATCH SF-90 & WCSF-T96. MINWAX WHITE 900 WOOD PUTTY TO FILL NAIL HOLES. SCRIBE PER HEIGHT NOTED IN DETAILS	PI: PASS-THRU BASE
CEILING				
ACT-2	ACOUSTICAL CEILING TILE	ARMSTRONG	CORTEGA NO. 769 - 24" x 48"[610mm x 1218mm] NON-DIRECTIONAL FISSURED ON PRELUDE XL 15/16" [24mm] EXPOSED TEE GRID	NON-RATED CORRIDOR CEILING. TILE AND GRID TO BE WHITE.
ACT-5	ACOUSTICAL CEILING TILE	ARMSTRONG	DUNE SECOND LOOK NO. 2712 - 24" x 48" [610mm x 1218mm] TILE, ON ARMSTRONG PRELUDE 15/16" XL EXPOSED TEE SUSPENSION SYSTEM	SALES AREA CEILINGS. TILE AND GRID TO BE WHITE.
GROUTS/SEALANTS				
S-2	ADHESIVE	G.E.	1200 SERIES SILICONE - CLEAR	FOR USE WITH MT-2, MT-4, MT-5, MT-6, MT-7, MT-8, MT-10, MT-11 AND MT-12. APPLY PER MANUFACTURERS RECOMMENDATION.
S-90	GROUT	CUSTOM BUILDING PRODUCTS	#145 LIGHT SMOKE	FOR USE W/FC-90, UNSANDED. TO BE INSTALLED W/MIN. GROUT LINES EXPOSED - 1/16" [2mm] MAX. USE DISTILLED WATER TO MIX GROUT
SPECIAL FINISHES				
PL-1	PLASTIC LAMINATE	FORMICA	NO. 933-58 "MISSION WHITE" MATTE	BREAK BAR
SF-1	F.R.P.	BID	1/4" [6mm] FIBER REINFORCED POLYESTER PANELING WITH CORNER & J MOLDINGS AS REQUIRED, COLOR: WHITE	ALL EXPOSED NON-SALES WALLS, TOILET ROOM, HALLWAY. REFER TO FINISH PLAN.
SF-4	GLAZING FILM	3M	SCOTCHCAL SERIES 210 - NO. 210-324 "FROSTED CRYSTAL"	APPLY FILM TO EXTERIOR SIDE OF TRANSOM GLASS PRIOR TO GLASS INSTALLATION
SF-6	MALL-MATCH FLOORING	TO MATCH MALL SPECIFICATION	TO MATCH MALL STANDARD	TO MATCH MALL STANDARD; FROM LEASE LINE TO CLOSURE LINE
SF-9	GLAZING FILM	3M	CONTROL TAC PLUS GRAPHIC FILM SERIES 180. COLOR: SCOTCHCAL WHITE #RG3630-20	SPANDREL GLASS; FOR LOCATIONS WHERE STRUCTURAL FRAMING IS RIGHT BEHIND GLASS
SF-17	GLAZING FILM	3M	SUN CONTROL WINDOW FILM - PRESTIGE 70 INTERIOR	EXTERIOR STOREFRONT CONDITIONS (INCLUDING DOORS)
SF-21	GLAZING FILM	RUGGLES	GINGHAM GRAPHIC FILM	STOREFRONT GINGHAM FILM
SF-22	GLAZING FILM	RUGGLES	GINGHAM GRAPHIC FILM (OPAQUE) - TWO LAYER SYSTEM; FIRST LAYER ON GLASS PRINTED GINGHAM, SECOND LAYER OPAQUE WHITE	EXTERIOR CONDITIONS WHEN BACK-LIT GINGHAM IS NOT ALLOWED (DOMESTIC ONLY) - REFER TO A08.XX SERIES SHEETS FOR SCALE AND SIZE
PAINT FINISHES				
PT-18	PAINT	SHERWIN WILLIAMS	DURATION SATIN LATEX (A97W01251) "EXTRA WHITE" DURATION FLAT LATEX (A96W01251) "EXTRA WHITE"	SATIN: WALLS, DOORS (HOLLOW METAL & WOOD), BASE & TRIMS FLAT: CEILINGS & CROWN
PT-19	PAINT	SHERWIN WILLIAMS	DURATION SATIN LATEX (A97W01255) "IT'S ALL ABOUT THE BLUE"	SATIN: WALLS, DOORS (HOLLOW METAL & WOOD), BASE & TRIMS FLAT: N/A
PT-20	PAINT	SHERWIN WILLIAMS	EMERALD FLAT LATEX (K35T00354) "DAY BLUE" # REFER TO PAINT PROCUREMENT INSTRUCTIONS ON S/A00.3 #	FLAT: CEILINGS & CEILING ACCESSORIES (PRIME CEILING WITH SPEC-PRO LEVEL-FIVE, L5-5, SMOOTH DRYWALL PRIMER/SURFACER) (USE A BONDING PRIMER FOR METAL CEILING ACCESSORIES W/ A SHEEN).
PT-91	PAINT	BENJAMIN MOORE	NO. AF-5 FROSTINE (AFFINITY COLORS)	SATIN FINISH AT WALLS, FLAT AT CEILING, SEMI-GLOSS AT TRIM/BASE
PT-92	PAINT	SHERWIN WILLIAMS	SW 6258 - "TRICORN BLACK"	SATIN FINISH AT WALLS AND DOORS, FLAT AT CEILING, SEMI-GLOSS AT TRIM/BASE
PT-94	PAINT	SHERWIN WILLIAMS	SW 7068 - "GRIZZLE GRAY"	CLG & WALLS (BEHIND WALLCOVERING): 522 AURA MATTE, (PRIME CLG W/SPEC-PRO LEVEL-FIVE, L5-5, SMOOTH DRYWALL PRIMER/ SURFACER) DOORS: 524 AURA EGGSHELL, TRIMS: 526 AURA SATIN
PT-95	PAINT	SHERWIN WILLIAMS	SW 7010 - "WHITE DUCK"	SATIN FINISH AT WALLS, FLAT AT CEILING, SEMI-GLOSS AT TRIM/BASE
WALL COVERINGS				
MT-4	METAL PANELS	DIGICO	GINGHAM PATTERN PRINTED ON ALUCOBOND PANEL - 3mm THICK	STOREFRONT METAL GINGHAM PANELS
MT-6	METAL CORNER GUARDS	LAMBERT	3/4" X 3/4" X 38 3/4" [19mm x 19mm x 984mm] METAL ANGLE - FINISH: MATCH PT-18	GLUE DOWN METHOD SALES AREA CORNERS, REFER TO FINISH PLAN FOR LOCATIONS
MT-7	METAL CORNER GUARDS	LAMBERT	3/4" X 3/4" X 38 3/4" [19mm x 19mm x 984mm] METAL ANGLE - FINISH: MATCH PT-19	GLUE DOWN METHOD SALES AREA CORNERS, REFER TO FINISH PLAN FOR LOCATIONS
MT-12	ACM PANELS	DIGICO	BLUE (TO MATCH PT-19) - 1/8" [3mm] THICK	STOREFRONT METAL TRIMS AND PANELS
MT-13	METAL PANELS/TRIMS	DIGICO	"OFF-WHITE" - THICKNESS VARIES	STOREFRONT METAL TRIMS AND PANELS
MT-97	METAL CORNER GUARDS	LAMBERT	3/4" X 3/4" X 42" [19mm x 19mm x 1067mm] METAL ANGLE - FINISH: MATCH PT-94	GLUE DOWN METHOD
MT-101	METAL CORNER GUARDS	LAMBERT	3/4" X 3/4" X 42" [19mm x 19mm x 1067mm] 90 DEGREE ANGLE - FINISH: WHITE DUCK	GLUE DOWN METHOD
MT-102	METAL CORNER GUARDS	LAMBERT	3/4" X 3/4" X 42" [19mm x 19mm x 1067mm] 65 DEGREE ANGLE - FINISH: WHITE DUCK	GLUE DOWN METHOD
MT-103	METAL CORNER GUARDS	LAMBERT	3/4" X 3/4" X 42" [19mm x 19mm x 1067mm] 115 DEGREE ANGLE - FINISH: WHITE DUCK	GLUE DOWN METHOD
WC-95	WALLCOVERING	WALLMICA	NATURAL SILICA MICA WALLCOVERING FINISH: "SEPIA QUARTZ" MR-SK-1607	BACKWRAP WITH ARMOIRES BEHIND VIDEO /LB FRAME
WCP-T8B	WALL COVERING	APROPOS	PLANKING AND 8" [203mm] GINGHAM WALLCOVERING - BLUE STRIPE AT CEILING. THINNER SUBSTRATE	WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.
WCP-T10B	WALL COVERING	APROPOS	PLANKING AND 10" [254mm] GINGHAM WALLCOVERING - BLUE STRIPE AT CEILING. THINNER SUBSTRATE	WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.
WCP-T10W	WALL COVERING	APROPOS	PLANKING AND 10" [254mm] GINGHAM WALLCOVERING - WHITE STRIPE AT CEILING. THINNER SUBSTRATE	WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.
WCP-T12B	WALL COVERING	APROPOS	PLANKING AND 12" [305mm] GINGHAM WALLCOVERING - BLUE STRIPE AT CEILING. THINNER SUBSTRATE	WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.
WCP-T12W	WALL COVERING	APROPOS	PLANKING AND 12" [305mm] GINGHAM WALLCOVERING - WHITE STRIPE AT CEILING. THINNER SUBSTRATE	WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.
WCPT12WT	WALL COVERING	APROPOS	13'-0" [3962mm] HEIGHT PLANKING AND 12" [305mm] GINGHAM WALLCOVERING - WHITE STRIPE AT CEILING. THINNER SUBSTRATE	
WCP-TBL	WALL COVERING	APROPOS	BLUE PLANKING WALLCOVERING. THIN SUBSTRATE	3 PANEL REPEAT; WALLS TO BE PRIMED, PAINTED PT-19 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.
WCP-TWH	WALL COVERING	APROPOS	FULL HEIGHT WHITE PLANKING WALLCOVERING. THINNER SUBSTRATE	3 PANEL REPEAT; WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.
WC-T93	WALL COVERING	APROPOS	PLASTER FINISH WALLCOVERING (10'-8"H), WITH SEALANT. THIN SUBSTRATE	4 PANEL REPEAT; WALLS TO BE PRIMED, PAINTED PT-94 (522 AURA MATTE) AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.
WCSF-T91	WALL COVERING	APROPOS	MB BLACK PLANK WALLCOVERING. THINNER SUBSTRATE	3 PANEL REPEAT; WALLS TO BE PRIMED, PAINTED PT-92 (522 AURA MATTE) & SIZING APPLIED PRIOR TO WALLCOVERING INSTALLATION
WCSF-T94	WALL COVERING	APROPOS	FROSTLINE WHITE PLANK WALLCOVERING. THINNER SUBSTRATE	3 PANEL REPEAT; WALLS TO BE PRIMED, PAINTED PT-91 (522 AURA MATTE) & SIZING APPLIED PRIOR TO WALLCOVERING INSTALLATION
WCSF-T96	WALL COVERING	APROPOS	WHITE SOLID WHITE PINE WALLCOVERING VERSION. THINNER SUBSTRATE	3 PANEL REPEAT; WALLS TO BE PRIMED, PAINTED PT-91 (522 AURA MATTE) & SIZING APPLIED PRIOR TO WALLCOVERING INSTALLATION
GLASS				
G-3	INSULATED STOREFRONT GLASS	BID	1" [25mm] CLEAR INSULATED TEMPERED GLASS	EXTERIOR STOREFRONT CONDITIONS; SF-17 UNLESS OTHERWISE NOTED
G-4	STOREFRONT GLASS	BID	1/2" [13mm] CLEAR TEMPERED GLASS	AT STOREFRONT DISPLAY WINDOWS, FRAMELESS DOORS & SIDELITES

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

RESPONSIBILITY SCHEDULE — ANNOTATIONS: O: OWNER G: GENERAL CONTRACTOR L: LANDLORD — FULL - — J 04.10.20

FINISH LEGEND — PRCTI20221802 — NO SCALE — 05N-A0003-E00-NOTE — A 03.20.19

www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

8768 REGISTERED ARCHITECT
1/9/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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SIS PKG 2
2315a.00
20221012.0

PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

PACKAGE: FULL REMODEL
GENERATION: BBW ES/WBC 2021
A/E PROJECT #: 00116082

SCOPE:
DESIGN TYPE:
BBWI PROJECT #:

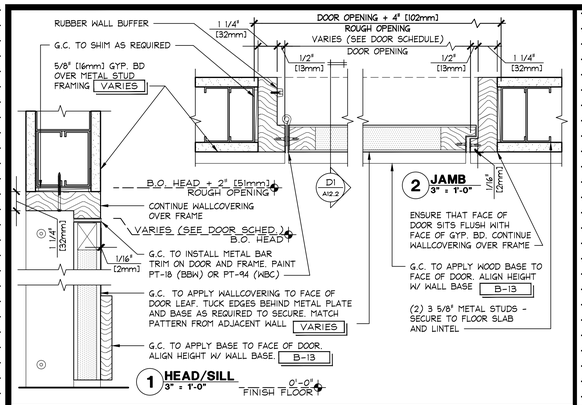
REVISIONS:

	REQUIRED BY:	DESCRIPTION	DATE
1		REV1 - FOR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

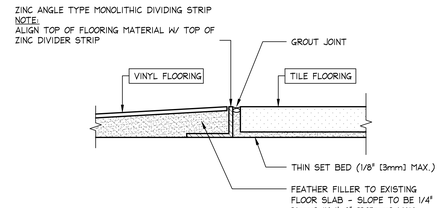
RESPONSIBILITY AND FINISH SCHEDULES

DRAWING NUMBER:
A00.1



WALLCOVERING INSWINGING BLIND DOOR HEAD, SILL AND JAMB DETAIL

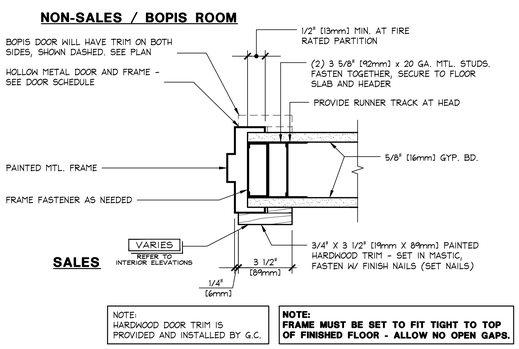
3" = 1'-0" | 42D-A122-P03-DETL | S | 09.16.21



NOTE:
REVIEW SPECIFICATIONS DIVISION IX "FINISHES" FOR FLOOR FINISH INSTALLATION

TILE TO VINYL TRANSITION

FULL | 42D-A122-C00-DETL | M | 10.27.14

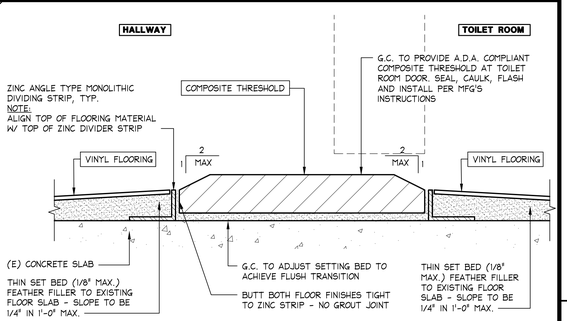


NOTE:
HARDWOOD DOOR TRIM IS PROVIDED AND INSTALLED BY G.C.

NOTE:
FRAME MUST BE SET TO FIT TIGHT TO TOP OF FINISHED FLOOR - ALLOW NO OPEN GAPS.

H.M. DOOR JAMB/HEAD DETAIL (SALES)

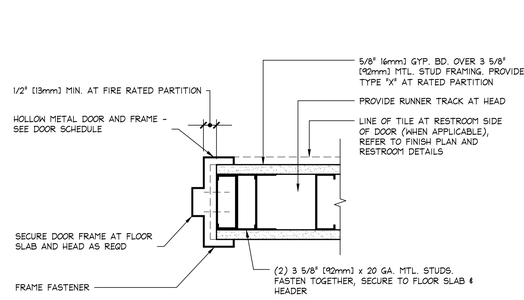
3" = 1'-0" | 42D-A002-R00-DETL | R | 04.10.20



NOTE:
REVIEW SPECIFICATIONS DIVISION IX "FINISHES" FOR FLOOR FINISH INSTALLATION

PAINTED TOILET ROOM TRANSITION VCT TO VCT WITH THRESHOLD

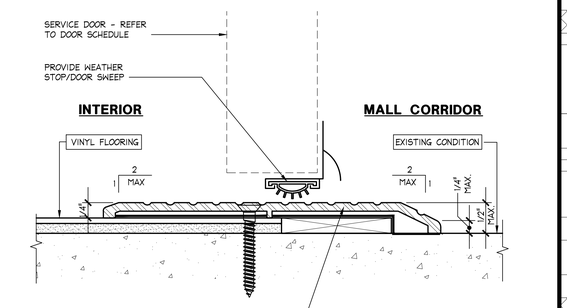
FULL | 42D-A002-L00-DETL | L | --



NOTE:
FRAME MUST BE SET TO FIT TIGHT TO TOP OF FINISHED FLOOR - ALLOW NO OPEN GAPS.

H.M. DOOR JAMB/HEAD DETAIL (NON-SALES)

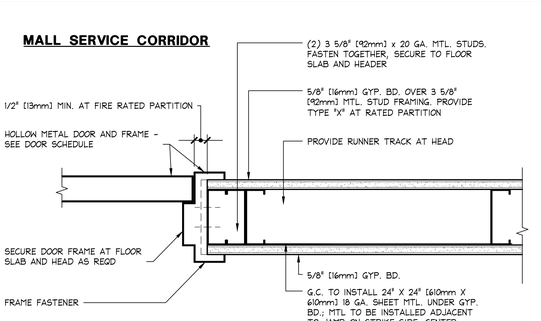
3" = 1'-0" | 42D-A002-P00-DETL | P | 04.10.20



NOTE:
REVIEW SPECIFICATIONS DIVISION IX "FINISHES" FOR FLOOR FINISH INSTALLATION

VINYL TO SERVICE DOOR - THRESHOLD

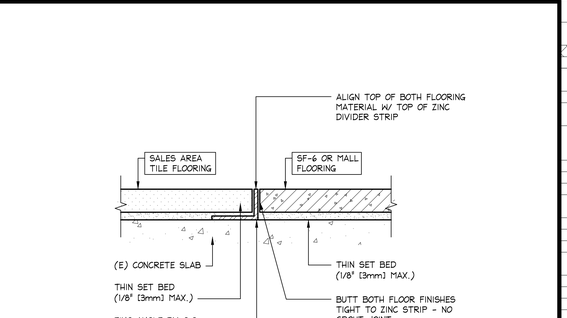
FULL | 42D-A002-K00-DETL | K | 06.13.09



NOTE:
FRAME MUST BE SET TO FIT TIGHT TO TOP OF FINISHED FLOOR - ALLOW NO OPEN GAPS.

H.M. DOOR JAMB/HEAD DETAIL (SERVICE)

3" = 1'-0" | 42D-A002-N00-DETL | N | 04.20.20



NOTE:
REVIEW SPECIFICATIONS DIVISION IX "FINISHES" FOR FLOOR FINISH INSTALLATION

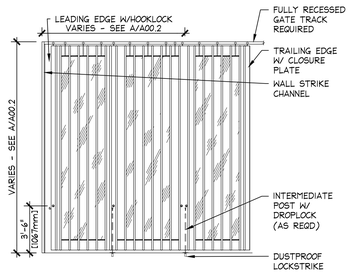
SALES AREA TILE TO MALL (MATCH) FLOORING

FULL | 42D-A122-J00-DETL | J | 06.13.09

DOOR SCHEDULE

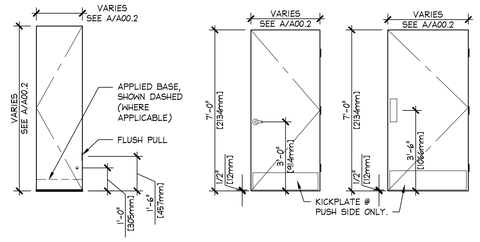
QTY	NUMBER (SEE PLAN)	LOCATION	SIZE (WIDTH x HEIGHT x THICKNESS)	MATERIAL	FINISH (* = PREFINISHED; FINISH SAME EA. SIDE U.O.N.)	FIRE RAT'G	HDW GROUP	ELEV (N/A00.2)	DETAIL NUMBER HEAD	DETAIL NUMBER JAMB	DETAIL NUMBER SILL	NOTES
1	1A	BBW SLIDING GRILLE	28'- 1 1/2" x 9'-1" [8573mm x 2769mm]	LEAF: METAL FRAME: N/A	CLEAR ANODIZED *	NONE	A6	1A	A A08.3	L A08.6	J A00.2	
1	2A	INSWINGING BLIND DOOR	2'-5" x 7'-0" x 1 3/4" [737mm x 2134mm x 44mm]	LEAF: WOOD FRAME: WOOD	WC-T93	--	G5	5A	5I A00.2	5Z A00.2	5I A00.2	
1	4B	WBC H.M. SALES/NON-SALES	3'-0" x 7'-0" x 1 3/4" [914mm x 2134mm x 44mm]	LEAF: H.M. FRAME: H.M.	SALES SIDE: PT-92 HALLWAY SIDE: PT-18	--	WB2	7B	R A00.2	R A00.2	M A00.2	
1	4C	FRP PUBLIC HALLWAY/NON-SALES	3'-0" x 7'-0" x 1 3/4" [914mm x 2134mm x 44mm]	PT-18	PT-18	--	B2	7A	P A00.2	P A00.2	--	
1	6A	TOILET ROOM	3'-0" x 7'-0" x 1 3/4" [914mm x 2134mm x 44mm]	PT-18	PT-18	--	C1	7A	P A00.2	P A00.2	L A00.2	
1	7A	(E) REAR SERVICE	3'-6" x 7'-0" x 1 3/4" [1067mm x 2134mm x 44mm]	LEAF: (E) H.M. FRAME: (E) H.M.	NON-SALES: PT-18 MALL CORRIDOR: MATCH (E)	90 MIN.	F1 (A)	9A	N A00.2	N A00.2	K A00.2	REPLACE LOCKSET HARDWARE
1	7C	REAR SERVICE	3'-6" x 7'-0" x 1 3/4" [1067mm x 2134mm x 44mm]	LEAF: H.M. FRAME: H.M.	HALLWAY: PT-18 CORRIDOR: MATCH (E)	90 MIN.	F1 (B)	9A	N A00.2	N A00.2	K A00.2	RATING AS REQD BY CODE

DOOR ELEVATIONS



1A SLIDING GRILLE W/ EGRESS DOOR

404.2.9 Door Surface. Door surfaces within 10 inches (255 mm) of the floor, measured vertically, shall be a smooth surface on the push side extending the full width of the door. Parts creating horizontal or vertical jOints in such surface shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.



5A BLIND DOOR GENERAL

7A LEVER STYLE GENERAL

7B PUSH STYLE GENERAL

9A SERVICE

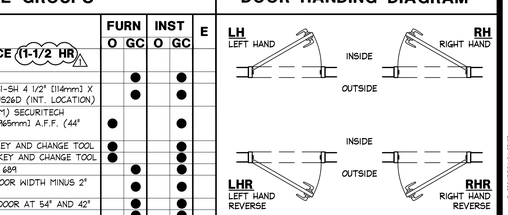
HARDWARE GROUPS

QTY	ITEM	FURN O	FURN GC	INST O	INST GC	E
	•GROUP A6: SLIDING GRILLE					
1	DAGENDOR - MODEL "SUPRA", CLEAR ANODIZED	●		●		
X	LEAD POST - COMPLETE WITH TOP & BOTTOM LOCKING BOLTS & SECURITY FLAP	●		●		
X	END POST - COMPLETE WITH TOP & BOTTOM LOCKING BOLTS	●		●		
1	TRACK - EXTRUDED ALUMINUM, CURVED TRACK (IF REQUIRED) SHALL BE SUPPLIED WITH 10" [254mm] OR 14" [356mm] STANDARD RADIUS	●		●		
	EGRESS DOOR (IF REQUIRED) - SUPPLIED WITH HARDWARE FOR 3'-0" [914mm] X 7'-0" [2134mm] OPENING	●		●		
1	CODE SIGNAGE: SEE GENERAL NOTE 11	●		●		
	NOTE: G.C. TO COORD. WITH MANUFACTURER'S RECOMMENDATIONS CONCERNING INSTALLATION AND REQUIRED SUPPORT FOR SLIDING GRILLE. G.C. TO CONTACT BBWI OPERATIONS PLANNER AND MANUFACTURER @ 1-800-301-0097 BEFORE PROCEEDING WITH PLACING ANY ORDER TO GUARANTEE PROPER FIT. DOOR SUPPLIED WITH GENERIC FACTORY INSTALLED LOCK CYLINDER TO BE REPLACED WITH OWNER SUPPLIED U-CHANGE LOCK CYLINDER PRIOR TO TURNOVER					
	GROUP B2: BBW H.M. FRP PUBLIC HALLWAY/NON-SALES DOOR					
1	DOOR LEAF AND FRAME		●		●	
3	HINGES: STANLEY CB179 4 1/2" [114mm] X 4 1/2" [114mm] US26D		●		●	
1	LATCHSET: U-CHANGE #5L2521B502PB STOREROOM FUNCTION WITH NEWPORT STYLE LEVER AND 625 BRIGHT CHROME FINISH (SPECIFY DOOR HANDING WHEN ORDERING) PHONE: (888)541-1300, "TEAM FOXTROT"		●		●	
1	CLOSER: CORBIN RUSSWIN DC3200 / DC3210 (MOUNT ON NON-SALES SIDE) FINISH: 689		●		●	
1	KICKPLATE: IVES 8400 COUNTER SUNK MOUNTING HOLES ORDERING SIZE = DOOR WIDTH MINUS 2" X 8"H FINISH: US32D SATIN STAINLESS STEEL		●		●	
1	FLOOR STOP AND HOLDER: (AT NON-RATED DOORS) IVES FS446-US26D		●		●	
X	SMOKE SEAL: (AT RATED DOORS) PEMKO 588BL (COLOR: BLACK)		●		●	
	GROUP C1: BBW PAINTED TOILET ROOM DOOR					
1	DOOR LEAF AND FRAME		●		●	
3	HINGES: STANLEY CB179 4 1/2" [114mm] X 4 1/2" [114mm] US26D		●		●	
1	LOCKSET: CORBIN RUSSWIN CL3320-NZD-626 PRIVACY FUNCTION		●		●	
1	KICKPLATE: IVES 8400 COUNTER SUNK MOUNTING HOLES ORDERING SIZE = DOOR WIDTH MINUS 2", 8" H FINISH: US32D SATIN STAINLESS STEEL		●		●	
1	WALL STOP: IVES WS402CCV US26D		●		●	
2	HOOKS: GANCO #74727 (1) CENTERED ON LAV. SIDE OF DOOR @ 72" [1829mm] AFF, (1) ON WALL @ 44", SEE A13.1		●		●	
1	CLOSER: CORBIN RUSSWIN DC3200 / DC3210 (MOUNT ON TOILET ROOM SIDE) FINISH: 689		●		●	
X	SMOKE SEAL: (AT RATED DOORS) PEMKO 588BL (COLOR: BLACK)		●		●	
1	COMPOSITE THRESHOLD		●		●	
	•GROUP F1 (A): REAR SERVICE (1-1/2 HR RATED)					
1	DOOR LEAF AND FRAME					●
3	HINGES: (W/ SECURITY STUDS) IVES 5BBI-5H 4 1/2" [114mm] X 4 1/2" [114mm] US32D (EXT. LOCATION) US26D (INT. LOCATION)		●		●	
1	PANIC HARDWARE: (WITH BATTERY ALARM) SECURITECH TRIDENT TEL-210-KLT. MOUNT AT 38" [965mm] A.F.F. (44" [1118mm] A.F.F. MAX.)	●			●	
1	U-CHANGE LOCK CYLINDER 311B01A102 W/KEY AND CHANGE TOOL	●			●	
1	U-CHANGE LOCK CYLINDER 316F01A1D2 W/KEY AND CHANGE TOOL	●			●	
1	CLOSER: CORBIN RUSSWIN DC3210 FINISH: 689		●		●	
1	KICKPLATE: IVES 8400 10" [254mm]H X DOOR WIDTH MINUS 2" [51mm] US26D		●		●	
2	VIEWER: IVES U69B-B26D CENTERED ON DOOR AT 54" AND 42"		●		●	
1	LOCK GUARD: IVES LGI US32D		●		●	
1	DOOR SWEEP (AT EXTERIOR LOCATION) PEMKO 216AV		●		●	
1	DOOR SEAL (AT EXTERIOR OR RATED DOORS) PEMKO 588BL (COLOR: BLACK)		●		●	
1	THRESHOLD: (AT EXTERIOR LOCATION) PEMKO 270A		●		●	
1	DOOR CONTACT: (AT EXT. LOCATION)	●		●		
1	SIGN PLAQUE	●		●		
	NOTE: AT EXISTING SERVICE DOORS, PROVIDE AND INSTALL HARDWARE AS NEEDED TO MEET THE ABOVE REQUIREMENTS. ALSO REMOVE AND REPLACE OUTSIDE LEVER/LOCK AND INSTALL BLANK COVER PLATES TO CONCEAL HOLES AND PAINT ENTIRE DOOR PER MALL'S REQUIREMENTS. ALL DOORS TO RECEIVE PANIC HARDWARE AS SPECIFIED ABOVE.					

HARDWARE GROUPS

QTY	ITEM	FURN O	FURN GC	INST O	INST GC	E
	•GROUP F1 (B): REAR SERVICE (1-1/2 HR RATED)					
1	DOOR LEAF AND FRAME		●		●	
3	HINGES: (W/ SECURITY STUDS) IVES 5BBI-5H 4 1/2" [114mm] X 4 1/2" [114mm] US32D (EXT. LOCATION) US26D (INT. LOCATION)		●		●	
1	PANIC HARDWARE: (WITH BATTERY ALARM) SECURITECH TRIDENT TEL-210-KLT. MOUNT AT 38" [965mm] A.F.F. (44" [1118mm] A.F.F. MAX.)	●			●	
1	U-CHANGE LOCK CYLINDER 311B01A102 W/KEY AND CHANGE TOOL	●			●	
1	U-CHANGE LOCK CYLINDER 316F01A1D2 W/KEY AND CHANGE TOOL	●			●	
1	CLOSER: CORBIN RUSSWIN DC3210 FINISH: 689		●		●	
1	KICKPLATE: IVES 8400 10" [254mm]H X DOOR WIDTH MINUS 2" [51mm] US26D		●		●	
2	VIEWER: IVES U69B-B26D CENTERED ON DOOR AT 54" AND 42"		●		●	
1	LOCK GUARD: IVES LGI US32D		●		●	
1	DOOR SWEEP (AT EXTERIOR LOCATION) PEMKO 216AV		●		●	
1	DOOR SEAL (AT EXTERIOR OR RATED DOORS) PEMKO 588BL (COLOR: BLACK)		●		●	
1	THRESHOLD: (AT EXTERIOR LOCATION) PEMKO 270A		●		●	
1	DOOR CONTACT: (AT EXT. LOCATION)		●		●	
1	SIGN PLAQUE		●		●	
	•GROUP G5: INSWINGING BLIND DOOR					
1	DOOR LEAF AND FRAME		●		●	
4	HINGES: STANLEY CB1960R 4 1/2" [114mm] X 4 1/2" [114mm] US26D		●		●	
1	ROLLER CATCH: IVES 336-B26 POLISHED CHROME		●		●	
1	DELTANA #EPT425 THIN EDGE PULL, FIN: POWDER COAT WHITE		●		●	
1	ADAM RITE MS-1850SN-410-628 DEADBOLT LOCK FOR WOOD DOORS - COVER PLATE FINISH: CLEAR ANODIZED		●		●	
1	ADAM RITE 4001-31-628 BOX STRIKE # COVER PLATE - COVER PLATE FINISH: CLEAR ANODIZED		●		●	
3	RUBBER WALL BUFFER, HAFELE #941.60.051 BLACK		●		●	
1	METAL TRIM		●		●	
	GROUP WB2: WBC H.M. SALES/NON-SALES					
1	DOOR LEAF AND FRAME		●		●	
3	HINGES: STANLEY CB199 4 1/2" [114mm] X 4 1/2" [114mm] US10B		●		●	
1	PUSH PLATE: IVES 8200 (AT NON-RATED DOORS) ORDERING SIZE = 4" X 16" [102mm X 406mm] FINISH: US10B DARK BRONZE		●		●	
1	PULL PLATE WITH PULL: IVES 8302 4" [102mm] X 16" [406mm] PLATE WITH 8102 PULL US10B (AT NON-RATED DOORS)		●		●	
1	CLOSER: CORBIN RUSSWIN DC3200 / DC3210 (MOUNT ON NON-SALES SIDE) FINISH: 690 DARK BRONZE		●		●	
1	KICKPLATE: IVES 8400 COUNTER SUNK MOUNTING HOLES ORDERING SIZE = DOOR WIDTH MINUS 2", 8" H FINISH: US10B DARK BRONZE		●		●	
1	FLOOR STOP AND HOLDER: (AT NON-RATED DOORS) IVES FS446-US10B		●		●	
	LATCHSET: (AT RATED DOORS) CORBIN RUSSWIN CL3310-NZD-613E PASSAGE FUNCTION		●		●	
X	SMOKE SEAL: (AT RATED DOORS) PEMKO 588BL (COLOR: BLACK)		●		●	

DOOR HANDING DIAGRAM



GENERAL DOOR AND HARDWARE NOTES

HARDWARE NOTES

1. DOOR HARDWARE SHALL BE OF THE LEVER OR PUSH TYPE, MOUNTED PER HARDWARE SCHEDULE. FINISH SHALL BE STAINLESS STEEL AT ALL LOCATIONS (U.N.O.). ALL DOOR HARDWARE SHALL COMPLY WITH FEDERAL AND STATE ACCESSIBILITY REQUIREMENTS.
2. ALL EXIT DOORS TO BE OPERABLE FROM INSIDE WITHOUT USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT.
3. THE FORCE REQUIRED TO OPERATE ANY DOOR SHALL BE MAXIMUM 5 LBS. FOR EXTERIOR DOORS AND INTERIOR DOORS.
4. ALL LOCKING HARDWARE MUST INCLUDE 'U-CHANGE' LOCK CYLINDERS. ALL DOORS TO BE KEYED ALIKE UNLESS NOTED OTHERWISE.

GENERAL NOTES

1. DOORS AT STOREFRONT TO HAVE SIGN WITH 1" [25mm] CONTRASTING LETTERING ABOVE DOORS STATING "THESE DOORS TO REMAIN UNLOCKED DURING BUSINESS HOURS".
2. EXIT DOORS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
3. DOORS WITHIN THE PATH OF TRAVEL FOR ACCESSIBILITY TO BE OPERABLE WITH A SINGLE EFFORT BY LEVER, PANIC BAR OR PUSH/PULL HARDWARE.
4. DOOR HARDWARE SHALL BE OF THE LEVER OR PUSH TYPE MOUNTED 34" TO 48" [864mm X 1219mm] (34" TO 44" IN CALIFORNIA) ABOVE THE FLOOR AND SHALL BE OPERABLE WITH A MAXIMUM EFFORT OF 5 LBS. FOR INTERIOR DOORS AND EXTERIOR DOORS.
5. THRESHOLDS SHALL NOT EXCEED 1/2" [13mm] IN HEIGHT. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
6. ALL COMPONENTS OF FIRE RATED DOOR ASSEMBLIES SHALL BEAR THE LABEL OF AN APPROVED TESTING AGENCY.
7. BOTH SIDES OF DOOR SHALL BE FINISHED THE SAME UNLESS OTHERWISE NOTED.
8. ALL WOOD DOORS, FRAMES AND TRIM SHALL BE A.W.I. OR W.I.C. CUSTOM GRADE.
9. REFER TO MECHANICAL PLAN FOR ANY REQUIRED UNDERCUTS FOR AIR TRANSFER.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

DOOR SCHEDULE AND HARDWARE GROUPS

PRCTI20221802

3/8" = 1'-0" | - | A | --

www.greenbergfarrow.com
30 Executive Park
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Irvine, CA 92614
t: 949 296 0450

8768 REGISTERED ARCHITECT 1/9/2023 DOUGLAS S. COUPER STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 2315a.00
A/E PROJECT #: 20221012.0

104.01.0737.01

REVISIONS:

	DESCRIPTION	DATE
1	REV1 - FOR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

DOOR SCHEDULE AND DETAILS

DRAWING NUMBER: A00.2

1. THIS SECTION IS INCLUDED FOR GENERAL REFERENCE WORK TO BE PERFORMED BY THE GENERAL CONTRACTOR (G.C.), APPLIED AS NEEDED TO STORE. SEE SELECTIVE DEMOLITION IN SPECIFICATIONS.
2. G.C. TO REMOVE ALL EXISTING LEASEHOLD IMPROVEMENTS AS REQUIRED TO ACHIEVE LEASE PLAN CONDITION. DEMOLITION INCLUDES, BUT IS NOT LIMITED TO THE REMOVAL OF ALL EXISTING PARTITIONS, CEILINGS, FLOOR COVERINGS, PLATFORMS, DISPLAY SHOW WINDOWS, STOREFRONT (IF APPLICABLE), STOREFRONT SIGNAGE, CABINETS, ETC. UNLESS NOTED OTHERWISE. DEMOLITION ALSO INCLUDES THE REMOVAL OF ALL EXISTING ELECTRICAL, MECHANICAL, AND PLUMBING FIXTURES AND EQUIPMENT, UNLESS NOTED OTHERWISE WITHIN LEASE SPACE AND ON THE ROOF. SEE MEP DRAWINGS FOR SELECTIVE DEMOLITION.
   2.a. REMOVAL OF STOREFRONT SIGNAGE IS THE RESPONSIBILITY OF THE G.C. IF STOREFRONT FACADE IS TO REMAIN, G.C. TO PATCH AND REPAIR EXISTING MALL FINISHES TO LIKE NEW CONDITION.
3. G.C. TO COORDINATE WITH LANDLORD AND THE OWNERS OF ALL ADJACENT TENANTS A CONVENIENT TIME TO PERFORM DEMOLITION WORK. G.C. IS TO PROVIDE AND INSTALL ALL TEMPORARY MEANS OF EGRESS, TEMPORARY LIGHTING, AND ALL SAFETY DEVICES IN ACCORDANCE WITH STATE AND LOCAL CODES AND LANDLORD REQUIREMENTS.
4. DEMOLISH IN AN ORDERLY AND CAREFUL MANNER AS REQUIRED TO ACCOMMODATE NEW WORK, PREVENT MOVEMENT OR SETTLEMENT OF STRUCTURE(S). PROVIDE BRACING OR SHORING AS REQUIRED. G.C. WILL ASSUME LIABILITY FOR SUCH MOVEMENT, SETTLEMENT, DAMAGE OR INJURY.
5. G.C. TO EXERCISE EXTREME CARE DURING DEMOLITION AS TO NOT DISRUPT OR DAMAGE ANY EXISTING UTILITIES OR SPRINKLER LINES WHICH SERVICE ADJACENT TENANTS. G.C. WILL BEAR THE SOLE RESPONSIBILITY OF ANY SUCH DISRUPTION OR DAMAGE.
6. G.C. TO COORDINATE THE REMOVAL, DISCONNECTION AND/OR CAPPING OF ANY UTILITIES WITH LANDLORD'S FIELD REPRESENTATIVE. ALL ABANDONED ELECTRICAL/TELEPHONE CONDUIT, PLUMBING LINES, DRAIN LINES, AND MECHANICAL DUCTWORK AS THE RESULT OF DEMOLITION SHALL BE REMOVED BACK TO THE LANDLORD'S ORIGINAL POINT. G.C. TO PLACE MARKERS TO INDICATE LOCATION OF DISCONNECTED SERVICES.
7. HVAC SUBCONTRACTOR TO INSPECT EXISTING CONDITIONS PRIOR TO DEMOLITION, AND DETERMINE WHETHER ANY COMPRESSOR REFRIGERANT LINES ARE PRESENT THAT MUST BE PROPERLY DRAINED (TO E.P.A STANDARDS) PRIOR TO DEMOLITION. SEE DEMOLITION NOTES IN MEP SPECIFICATIONS.
8. ANY AND ALL COMBUSTIBLE MATERIALS SHALL BE REMOVED FROM CEILING PLENUM. THIS WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, EXISTING LANDLORD AND/OR ADJACENT TENANT ITEMS THAT ARE NOT SUITABLE FOR R.A. PLENUM (I.E. TELEPHONE, FIRE ALARM CABLES, ETC.) VERIFY SITE CONDITIONS.
9. G.C. IS RESPONSIBLE FOR PATCHING AND REPAIRING EXISTING FLOOR SLAB AND DEMISING WALLS AFTER COMPLETION OF DEMOLITION AND PRIOR TO THE COMMENCEMENT OF NEW CONSTRUCTION. G.C. TO PATCH, REPAIR AND LEVEL EXISTING FLOOR SLAB AND INFORM OWNER OF ALL SEVERE IRREGULARITIES IN EXISTING SLAB. G.C. TO PREPARE EXISTING SLAB FOR INSTALLATION OF NEW FLOORING.
10. G.C. TO CUT ALL NECESSARY OPENINGS. ALL PROTRUSIONS, MARKS, CRACKS, BROKEN AND/OR OTHER EVIDENCE OF DAMAGED OR UNSOUND STRUCTURAL CONDITIONS SHALL BE REMOVED, REPLACED, REPAIRED, OR RESTORED AS DIRECTED BY GOVERNING AUTHORITIES.
11. G.C. TO COORDINATE WITH LANDLORD RESPONSIBILITY IN PERFORMING ANY AND ALL ROOF WORK. SUCH ITEMS SHALL INCLUDE, BUT IS NOT LIMITED TO ROOF CURBS, VENTS, PITCH PANS, FAN UNITS, ETC. PATCH AND REPAIR ROOF AND/OR DECK TO ORIGINAL AND WEATHERTIGHT CONDITION. VERIFY SITE CONDITIONS.
12. G.C. IS RESPONSIBLE FOR THE REMOVAL OF ALL UNUSED, ABANDONED AND EXTRANEOUS ITEMS. BURNING MATERIAL ON SITE IS NOT PERMITTED.
13. G.C. TO NOTIFY OWNER IMMEDIATELY OF ANY SEVERE DISCREPANCIES OR IRREGULARITIES DISCOVERED DURING DEMOLITION WHICH MIGHT AFFECT THE PROPOSED STORE DESIGN, ESPECIALLY IN REGARDS TO HEIGHT AVAILABLE FOR CEILING, MECHANICAL DUCTWORK, RECESSED LIGHTING AND ROLL-UP GRILLES.
14. THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE HELD LIABLE IF ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE DISCOVERED DURING CONSTRUCTION. THE CONTRACTOR SHALL ISOLATE THE AFFECTED AREA AND CONTACT THE OWNER FOR FURTHER INSTRUCTIONS BEFORE PROCEEDING. THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE LIABLE FOR ANY DAMAGES CAUSED BY THE EXISTING WATER LEAKAGES AND MOLDS.
15. G.C. IS RESPONSIBLE FOR MAINTAINING FIRE RATING AT EXPOSED CEILING LOCATIONS DUE TO DEMOLITION OF (E) CEILING
16. THE G.C. SHOULD NOT CUT THE MAIN TELEPHONE WIRES LEADING TO THE TERMINATION STRIP (DMARC BLOCK) OR PHONE SYSTEM.
17. IF THE DMARC IS TO BE RELOCATED, (DUE TO DESIGN, SITE CONDITIONS OR DOWNSIZED SPACE), IT IS TO BE COORDINATED WITH LIMITED TECHNICAL SERVICES (LTS). THE PRIMARY CONTACT IS BRENDAN SPIVEY AT 614.415.4077.
18. THE G.C. IS TO ALLOW ADEQUATE TIME FOR RELOCATION IN THE CONSTRUCTION SCHEDULE.
19. IF THE WALL WITH THE TELEPHONE BLOCK IS SCHEDULED FOR DEMOLITION, THE ENTIRE BACKING PANEL SHOULD BE REMOVED FROM THE WALL (WITHOUT DISCONNECTING THE WIRING) AND MUST BE SAFELY SECURED IN THE CEILING UNTIL IT CAN BE RELOCATED TO THE NEW AREA OR REINSTALLED ON THE WALL.
20. NO EMERGENCY LIGHTS ARE TO BE ON THE PERIMETER DEMISING WALL FOR INTERFERENCE WITH SIGNAGE. IF EMERGENCY LIGHTS EXIST FROM LANDLORD OR PREVIOUS TENANT, THEY ARE TO BE REMOVED AND THE WALL PATCHED AND RETURNED TO A LIKE NEW CONDITION.

DEMOLITION NOTES — FULL: 42N-A011-R00-NOTE — R — 04.18.19

DE-IMAGING SHALL OCCUR ONCE BATH & BODY WORKS HAS RELOCATED AND VACATED FROM THEIR FORMER LEASE SPACE OR FROM A TEMPORARY SPACE INTO THE NEWLY CONSTRUCTED OR REMODELED SPACE, AND NORMALLY FOLLOWING THE OPENING DATE OF THE NEW STORE. THE DE-IMAGING OF THE SPACE SHALL INCLUDE THE FOLLOWING:

1. G.C. TO REMOVE ALL STOREFRONT SIGNAGE INCLUDING: PIN-MOUNTED OR SURFACE MOUNTED LETTERS OR LOGOS, ILLUMINATED SIGNAGE, AND SIGNAGE OR LOGOS APPLIED TO THE GLASS.
2. G.C. TO PATCH AND REPAIR ALL HOLES RESULTING FROM THE REMOVAL OF SIGNAGE AND PAINT TO MATCH EXISTING STOREFRONT.
3. G.C. TO CLEAN GLASS TO REMOVE ANY RESIDUE FROM THE REMOVAL OF SIGNAGE OR LOGOS.
4. G.C. TO PAINT OUT ANY EXISTING SURFACE PAINTED SIGNAGE OR LOGOS TO MATCH THE EXISTING STOREFRONT.
5. G.C. TO REMOVE ALL AWNINGS AND FRAMES, PATCH AND REPAIR HOLES, AND PAINT TO MATCH THE EXISTING STOREFRONT.
6. G.C. TO REMOVE SIGN AND MURAL (IF APPLICABLE) AT BACKWRAP, PATCH HOLES AND PAINT TO MATCH EXISTING WALLS.
7. G.C. TO REMOVE ALL DEPARTMENTAL SIGNAGE (IF APPLICABLE).
8. G.C. TO REMOVE ALL SIGNAGE INSIDE THE STORE OR VISIBLE IN THE STOREFRONT WINDOWS.
9. G.C. TO DISPOSE OF ALL EXISTING SIGNAGE AND LOGO ELEMENTS, AND LEAVE SPACE CLEAN.
10. G.C. TO DESTROY ANY FLOOR FIXTURES LEFT IN THE VACATED SPACE, VERIFY WITH BBWI PROJECT MANAGER.
11. G.C. TO BLACKOUT ALL STOREFRONT WINDOWS. WINDOWS TO RECEIVE BLACKOUT THE NIGHT OF CLOSING.
12. G.C. TO REMOVE UTILITIES FROM BATH & BODY WORKS NAME.

DE-IMAGING NOTES - ALLOWANCE — FULL: 42N-A011-M00-NOTE — M — 08.19.22

EXTENT OF DEMOLITION

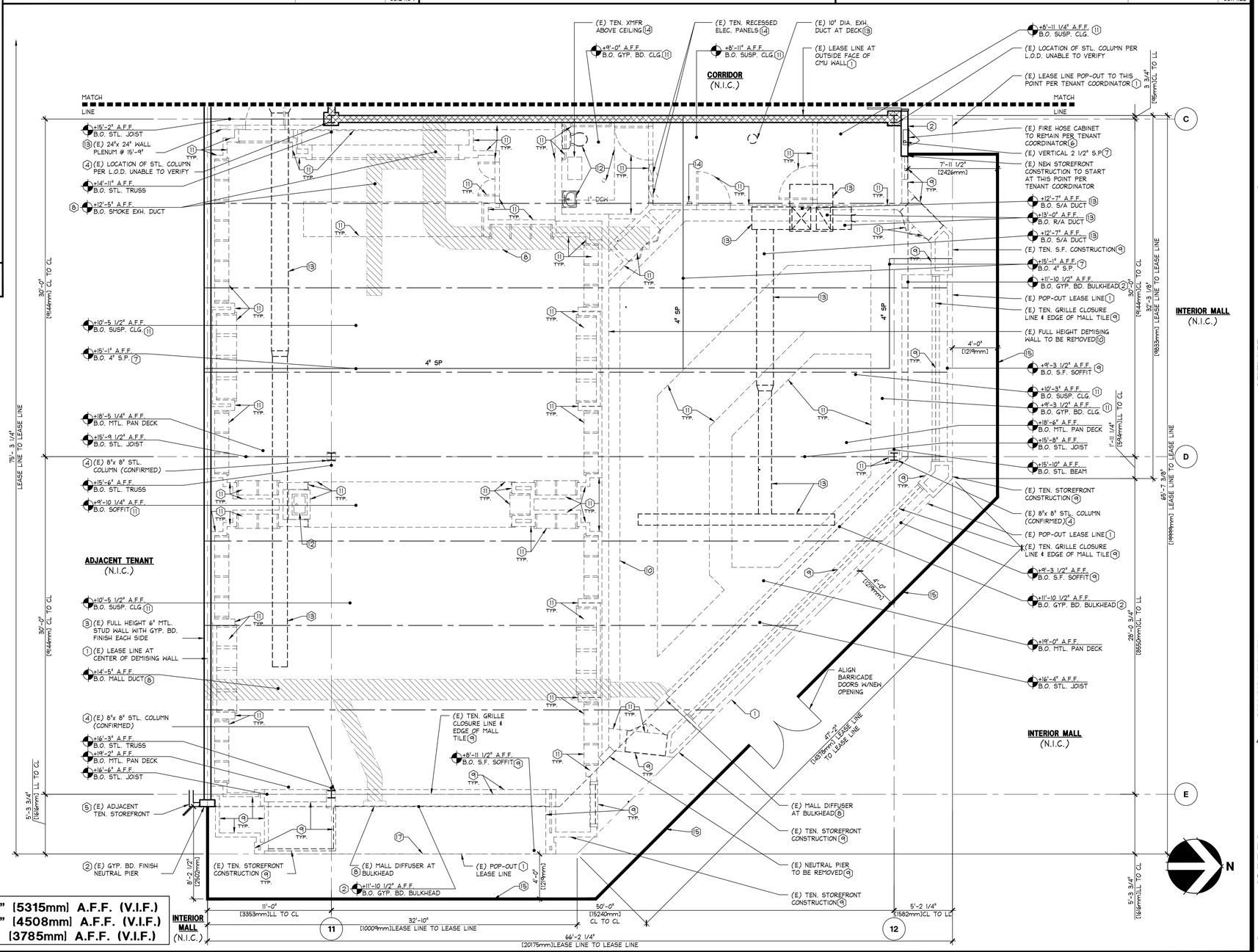
TEMPORARY BARRICADE

(E) TWO HOUR RATED CMU WALL

DEMOLITION PLAN LEGEND — FULL: 42L-A011-L00-LGND — L — 08.24.09

1. LEASE LINE
2. (E) BULKHEAD / NEUTRAL PIER TO REMAIN
3. (E) DEMISING WALL TO REMAIN. REMOVE EXISTING FINISHES TO FACE OF DEMISING WALL, TAKING CARE NOT TO DISTURB EXISTING FACE OF GYP. BD.
4. (E) COLUMNS TO REMAIN. REMOVE EXISTING FINISHES AND MAINTAIN EXISTING RATING AS REQD.
5. (E) PARTITIONS / SOFFIT / STOREFRONT / DOORS / FIXTURES TO REMAIN
6. (E) EQUIPMENT TO REMAIN
7. (E) PLUMBING / SPRINKLER LINE TO REMAIN
8. (E) MALL DUCTWORK TO REMAIN, SHOWN HATCHED
9. (E) STOREFRONT SYSTEM TO BE DEMOLISHED IN ITS ENTIRETY, SHOWN DASHED
10. (E) DEMISING WALL TO BE DEMOLISHED, SHOWN DASHED
11. (E) PARTITIONS / CABINETS / DOORS / CEILINGS / FLOORING TO BE DEMOLISHED, SHOWN DASHED
12. (E) PLUMBING LINE(S) & FIXTURES TO BE DEMOLISHED. CUT AND CAP AS REQD. SEE MEP DRAWINGS.
13. (E) HVAC UNIT, CURB AND DUCTWORK TO BE DEMOLISHED, SHOWN DASHED. SEE MEP DRAWINGS. REPAIR ROOF TO NEW CONDITION
14. (E) ELECTRICAL EQUIPMENT TO BE REMOVED, SHOWN DASHED. SEE MEP DRAWINGS
15. STOREFRONT BARRICADE. G.C. TO CONSTRUCT ACCORDING TO TENANT CRITERIA
16. SURVEY INDICATES EVIDENCE OF ROOF / PIPE LEAK IN THIS AREA. G.C. TO INVESTIGATE AND DETERMINE SOURCE AND EXTENT OF LEAK. G.C. TO COORDINATE REPAIR OR LEAK W/ BBWI PROJECT MGR. AND LANDLORD PRIOR TO INSTALLATION OF FINISH CEILING
17. G.C. TO REMOVE (E) TENANT SIGNAGE, PATCH AND REPAIR STOREFRONT FACADE AS REQ'D TO LIKE NEW CONDITION
18. PORTION OF (E) CMU WALL TO BE DEMOLISHED, SHOWN DASHED

DEMOLITION PLAN KEYNOTES — FULL: 42N-A011-D00-NOTE — D — 08.19.22



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LOWEST POINT OF (E) DECK: 17'-5 1/4" [5315mm] A.F.F. (V.I.F.)
LOWEST POINT OF (E) STRUCTURE: 14'-9 1/2" [4508mm] A.F.F. (V.I.F.)
LOWEST POINT OF (E) OBSTRUCTION TO REMAIN: 12'-5" [3785mm] A.F.F. (V.I.F.)

DEMOLITION PLAN — 1/4" = 1'-0" — 42P-A011-A00-PLAN — A — 10.14.11

PRCTI20221802

www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

8768 REGISTERED ARCHITECT
1/9/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98375
SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
RBWI PROJECT #: 00116082
PACKAGE: SIS PKG 2
GENERATION: 2315a.00
A/E PROJECT #: 20221012.0

REVISIONS:

	REQUIRED BY:	DATE
1	#01 - PCR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

DEMOLITION PLAN

DRAWING NUMBER:
A01.1a

1. THIS SECTION IS INCLUDED FOR GENERAL REFERENCE WORK TO BE PERFORMED BY THE GENERAL CONTRACTOR (G.C.), APPLIED AS NEEDED TO STORE. SEE SELECTIVE DEMOLITION IN SPECIFICATIONS.
2. G.C. TO REMOVE ALL EXISTING LEASEHOLD IMPROVEMENTS AS REQUIRED TO ACHIEVE LEASE PLAN CONDITION. DEMOLITION INCLUDES, BUT IS NOT LIMITED TO THE REMOVAL OF ALL EXISTING PARTITIONS, CEILINGS, FLOOR COVERINGS, PLATFORMS, DISPLAY SHOW WINDOWS, STOREFRONT (IF APPLICABLE), STOREFRONT SIGNAGE, CABINETS, ETC. UNLESS NOTED OTHERWISE. DEMOLITION ALSO INCLUDES THE REMOVAL OF ALL EXISTING ELECTRICAL, MECHANICAL, AND PLUMBING FIXTURES AND EQUIPMENT, UNLESS NOTED OTHERWISE WITHIN LEASE SPACE AND ON THE ROOF. SEE MEP DRAWINGS FOR SELECTIVE DEMOLITION.
   2.a. REMOVAL OF STOREFRONT SIGNAGE IS THE RESPONSIBILITY OF THE G.C. IF STOREFRONT FACADE IS TO REMAIN, G.C. TO PATCH AND REPAIR EXISTING MALL FINISHES TO LIKE NEW CONDITION.
3. G.C. TO COORDINATE WITH LANDLORD AND THE OWNERS OF ALL ADJACENT TENANTS A CONVENIENT TIME TO PERFORM DEMOLITION WORK. G.C. IS TO PROVIDE AND INSTALL ALL TEMPORARY MEANS OF EGRESS, TEMPORARY LIGHTING, AND ALL SAFETY DEVICES IN ACCORDANCE WITH STATE AND LOCAL CODES AND LANDLORD REQUIREMENTS.
4. DEMOLISH IN AN ORDERLY AND CAREFUL MANNER AS REQUIRED TO ACCOMMODATE NEW WORK, PREVENT MOVEMENT OR SETTLEMENT OF STRUCTURE(S). PROVIDE BRACING OR SHORING AS REQUIRED. G.C. WILL ASSUME LIABILITY FOR SUCH MOVEMENT, SETTLEMENT, DAMAGE OR INJURY.
5. G.C. TO EXERCISE EXTREME CARE DURING DEMOLITION AS TO NOT DISRUPT OR DAMAGE ANY EXISTING UTILITIES OR SPRINKLER LINES WHICH SERVICE ADJACENT TENANTS. G.C. WILL BEAR THE SOLE RESPONSIBILITY OF ANY SUCH DISRUPTION OR DAMAGE.
6. G.C. TO COORDINATE THE REMOVAL, DISCONNECTION AND/OR CAPPING OF ANY UTILITIES WITH LANDLORD'S FIELD REPRESENTATIVE. ALL ABANDONED ELECTRICAL/TELEPHONE CONDUIT, PLUMBING LINES, DRAIN LINES, AND MECHANICAL DUCTWORK AS THE RESULT OF DEMOLITION SHALL BE REMOVED BACK TO THE LANDLORD'S ORIGINAL POINT. G.C. TO PLACE MARKERS TO INDICATE LOCATION OF DISCONNECTED SERVICES.
7. HVAC SUBCONTRACTOR TO INSPECT EXISTING CONDITIONS PRIOR TO DEMOLITION, AND DETERMINE WHETHER ANY COMPRESSOR REFRIGERANT LINES ARE PRESENT THAT MUST BE PROPERLY DRAINED (TO E.P.A STANDARDS) PRIOR TO DEMOLITION. SEE DEMOLITION NOTES IN MEP SPECIFICATIONS.
8. ANY AND ALL COMBUSTIBLE MATERIALS SHALL BE REMOVED FROM CEILING PLENUM. THIS WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, EXISTING LANDLORD AND/OR ADJACENT TENANT ITEMS THAT ARE NOT SUITABLE FOR R.A. PLENUM (I.E. TELEPHONE, FIRE ALARM CABLES, ETC.) VERIFY SITE CONDITIONS.
9. G.C. IS RESPONSIBLE FOR PATCHING AND REPAIRING EXISTING FLOOR SLAB AND DEMISING WALLS AFTER COMPLETION OF DEMOLITION AND PRIOR TO THE COMMENCEMENT OF NEW CONSTRUCTION. G.C. TO PATCH, REPAIR AND LEVEL EXISTING FLOOR SLAB AND INFORM OWNER OF ALL SEVERE IRREGULARITIES IN EXISTING SLAB. G.C. TO PREPARE EXISTING SLAB FOR INSTALLATION OF NEW FLOORING.
10. G.C. TO CUT ALL NECESSARY OPENINGS. ALL PROTRUSIONS, MARKS, CRACKS, BROKEN AND/OR OTHER EVIDENCE OF DAMAGED OR UNSOUND STRUCTURAL CONDITIONS SHALL BE REMOVED, REPLACED, REPAIRED, OR RESTORED AS DIRECTED BY GOVERNING AUTHORITIES.
11. G.C. TO COORDINATE WITH LANDLORD RESPONSIBILITY IN PERFORMING ANY AND ALL ROOF WORK. SUCH ITEMS SHALL INCLUDE, BUT IS NOT LIMITED TO ROOF CURBS, VENTS, PITCH PANS, FAN UNITS, ETC. PATCH AND REPAIR ROOF AND/OR DECK TO ORIGINAL AND WEATHERTIGHT CONDITION. VERIFY SITE CONDITIONS.
12. G.C. IS RESPONSIBLE FOR THE REMOVAL OF ALL UNUSED, ABANDONED AND EXTRANEOUS ITEMS. BURNING MATERIAL ON SITE IS NOT PERMITTED.
13. G.C. TO NOTIFY OWNER IMMEDIATELY OF ANY SEVERE DISCREPANCIES OR IRREGULARITIES DISCOVERED DURING DEMOLITION WHICH MIGHT AFFECT THE PROPOSED STORE DESIGN, ESPECIALLY IN REGARDS TO HEIGHT AVAILABLE FOR CEILING, MECHANICAL DUCTWORK, RECESSED LIGHTING AND ROLL-UP GRILLES.
14. THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE HELD LIABLE IF ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE DISCOVERED DURING CONSTRUCTION. THE CONTRACTOR SHALL ISOLATE THE AFFECTED AREA AND CONTACT THE OWNER FOR FURTHER INSTRUCTIONS BEFORE PROCEEDING. THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE LIABLE FOR ANY DAMAGES CAUSED BY THE EXISTING WATER LEAKAGES AND MOLDS.
15. G.C. IS RESPONSIBLE FOR MAINTAINING FIRE RATING AT EXPOSED CEILING LOCATIONS DUE TO DEMOLITION OF (E) CEILING
16. THE G.C. SHOULD NOT CUT THE MAIN TELEPHONE WIRES LEADING TO THE TERMINATION STRIP (DMARC BLOCK) OR PHONE SYSTEM.
17. IF THE DMARC IS TO BE RELOCATED, (DUE TO DESIGN, SITE CONDITIONS OR DOWNSIZED SPACE), IT IS TO BE COORDINATED WITH LIMITED TECHNICAL SERVICES (LTS). THE PRIMARY CONTACT IS BRENDAN SPIVEY AT 614.415.4077.
18. THE G.C. IS TO ALLOW ADEQUATE TIME FOR RELOCATION IN THE CONSTRUCTION SCHEDULE.
19. IF THE WALL WITH THE TELEPHONE BLOCK IS SCHEDULED FOR DEMOLITION, THE ENTIRE BACKING PANEL SHOULD BE REMOVED FROM THE WALL (WITHOUT DISCONNECTING THE WIRING) AND MUST BE SAFELY SECURED IN THE CEILING UNTIL IT CAN BE RELOCATED TO THE NEW AREA OR REINSTALLED ON THE WALL.
20. NO EMERGENCY LIGHTS ARE TO BE ON THE PERIMETER DEMISING WALL FOR INTERFERENCE WITH SIGNAGE. IF EMERGENCY LIGHTS EXIST FROM LANDLORD OR PREVIOUS TENANT, THEY ARE TO BE REMOVED AND THE WALL PATCHED AND RETURNED TO A LIKE NEW CONDITION.

DEMOLITION NOTES | FULL | 42N-A011-R00-NOTE | R 04.18.19

DE-IMAGING SHALL OCCUR ONCE BATH & BODY WORKS HAS RELOCATED AND VACATED FROM THEIR FORMER LEASE SPACE OR FROM A TEMPORARY SPACE INTO THE NEWLY CONSTRUCTED OR REMODELED SPACE, AND NORMALLY FOLLOWING THE OPENING DATE OF THE NEW STORE. THE DE-IMAGING OF THE SPACE SHALL INCLUDE THE FOLLOWING:

1. G.C. TO REMOVE ALL STOREFRONT SIGNAGE INCLUDING: PIN-MOUNTED OR SURFACE MOUNTED LETTERS OR LOGOS, ILLUMINATED SIGNAGE, AND SIGNAGE OR LOGOS APPLIED TO THE GLASS.
2. G.C. TO PATCH AND REPAIR ALL HOLES RESULTING FROM THE REMOVAL OF SIGNAGE AND PAINT TO MATCH EXISTING STOREFRONT.
3. G.C. TO CLEAN GLASS TO REMOVE ANY RESIDUE FROM THE REMOVAL OF SIGNAGE OR LOGOS.
4. G.C. TO PAINT OUT ANY EXISTING SURFACE PAINTED SIGNAGE OR LOGOS TO MATCH THE EXISTING STOREFRONT.
5. G.C. TO REMOVE ALL AWNINGS AND FRAMES, PATCH AND REPAIR HOLES, AND PAINT TO MATCH THE EXISTING STOREFRONT.
6. G.C. TO REMOVE SIGN AND MURAL (IF APPLICABLE) AT BACKWRAP, PATCH HOLES AND PAINT TO MATCH EXISTING WALLS.
7. G.C. TO REMOVE ALL DEPARTMENTAL SIGNAGE (IF APPLICABLE).
8. G.C. TO REMOVE ALL SIGNAGE INSIDE THE STORE OR VISIBLE IN THE STOREFRONT WINDOWS.
9. G.C. TO DISPOSE OF ALL EXISTING SIGNAGE AND LOGO ELEMENTS, AND LEAVE SPACE CLEAN.
10. G.C. TO DESTROY ANY FLOOR FIXTURES LEFT IN THE VACATED SPACE, VERIFY WITH BBWI PROJECT MANAGER.
11. G.C. TO BLACKOUT ALL STOREFRONT WINDOWS. WINDOWS TO RECEIVE BLACKOUT THE NIGHT OF CLOSING.
12. G.C. TO REMOVE UTILITIES FROM BATH & BODY WORKS NAME.

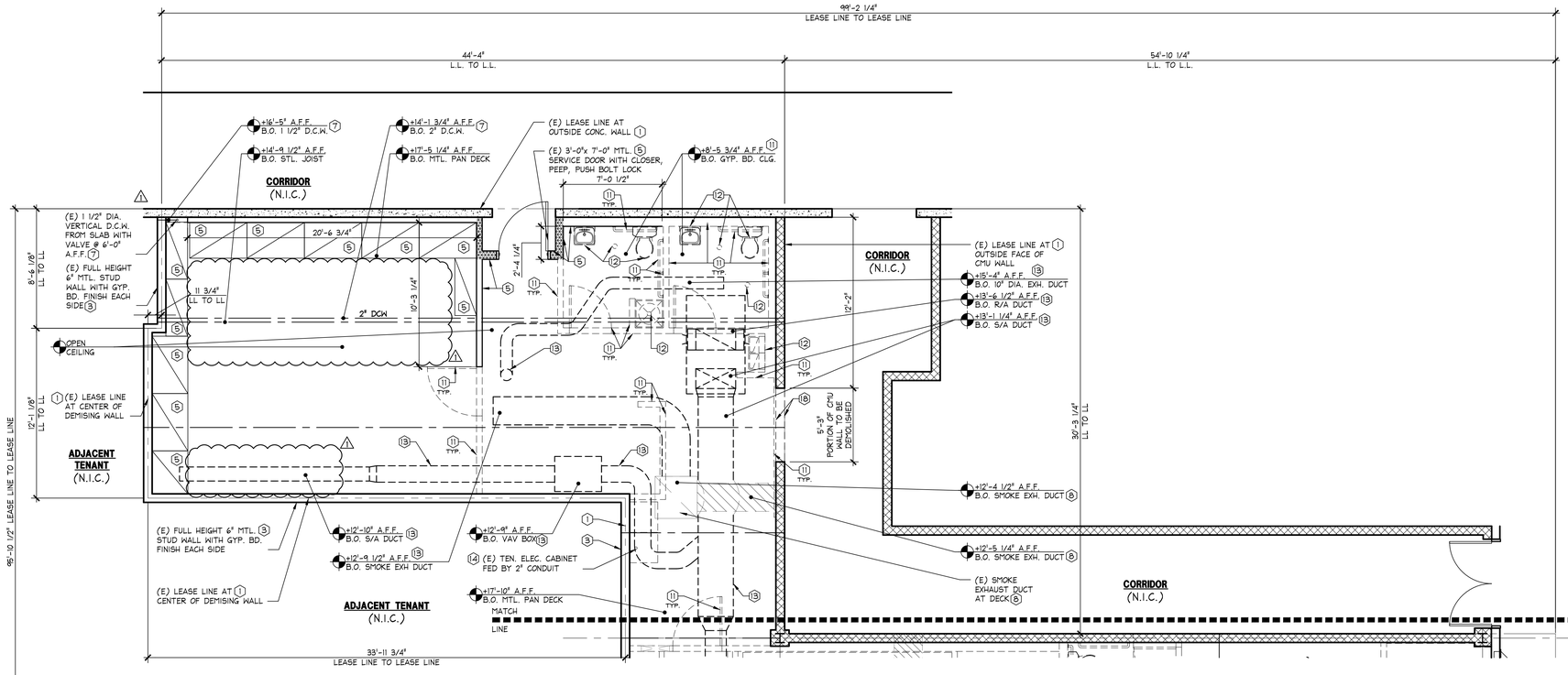
DE-IMAGING NOTES - ALLOWANCE | FULL | 42N-A011-M00-NOTE | M 08.19.22

EXTENT OF DEMOLITION
TEMPORARY BARRICADE
(E) TWO HOUR RATED PARTITION WALL
(E) TWO HOUR RATED CMU WALL
(E) TWO HOUR RATED CONCRETE WALL

DEMOLITION PLAN LEGEND | FULL | 42L-A011-L00-LGND | L 08.24.09

1. LEASE LINE
2. (E) BULKHEAD / NEUTRAL PIER TO REMAIN
3. (E) DEMISING WALL TO REMAIN. REMOVE EXISTING FINISHES TO FACE OF DEMISING WALL, TAKING CARE NOT TO DISTURB EXISTING FACE OF GYP. BD.
4. (E) COLUMNS TO REMAIN. REMOVE EXISTING FINISHES AND MAINTAIN EXISTING RATING AS REQD.
5. (E) PARTITIONS / SOFFIT / STOREFRONT / DOORS / FIXTURES TO REMAIN
6. (E) EQUIPMENT TO REMAIN
7. (E) PLUMBING / SPRINKLER LINE TO REMAIN
8. (E) MALL DUCTWORK TO REMAIN, SHOWN HATCHED
9. (E) STOREFRONT SYSTEM TO BE DEMOLISHED IN ITS ENTIRETY, SHOWN DASHED
10. (E) DEMISING WALL TO BE DEMOLISHED, SHOWN DASHED
11. (E) PARTITIONS / CABINETS / DOORS / CEILINGS / FLOORING TO BE DEMOLISHED, SHOWN DASHED
12. (E) PLUMBING LINE(S) & FIXTURES TO BE DEMOLISHED. CUT AND CAP AS REQD. SEE MEP DRAWINGS.
13. (E) HVAC UNIT, CURB AND DUCTWORK TO BE DEMOLISHED, SHOWN DASHED. SEE MEP DRAWINGS. REPAIR ROOF TO NEW CONDITION
14. (E) ELECTRICAL EQUIPMENT TO BE REMOVED, SHOWN DASHED. SEE MEP DRAWINGS
15. STOREFRONT BARRICADE, G.C. TO CONSTRUCT ACCORDING TO TENANT CRITERIA
16. SURVEY INDICATES EVIDENCE OF ROOF / PIPE LEAK IN THIS AREA. G.C. TO INVESTIGATE AND DETERMINE SOURCE AND EXTENT OF LEAK. G.C. TO COORDINATE REPAIR OR LEAK W/ BBWI PROJECT MGR. AND LANDLORD PRIOR TO INSTALLATION OF FINISH CEILING.
17. G.C. TO REMOVE (E) TENANT SIGNAGE, PATCH AND REPAIR STOREFRONT FACADE AS REQ'D TO LIKE NEW CONDITION
18. PORTION OF (E) CMU WALL TO BE DEMOLISHED, SHOWN DASHED

DEMOLITION PLAN KEYNOTES | FULL | 42N-A011-D00-NOTE | D 08.19.22



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DEMOLITION PLAN | PRCTI20221802 | 1/4" = 1'-0" | 42P-A011-A00-PLAN | A 10.14.11

GF
www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450
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Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373
SCOPE: FULL REMODEL
DESIGN TYPE: BBWI ES/WBC 2021
BBWI PROJECT #: 00116082
SIS PACKAGE: 2
GENERATION: 231So.00
A/E PROJECT #: 20221012.0

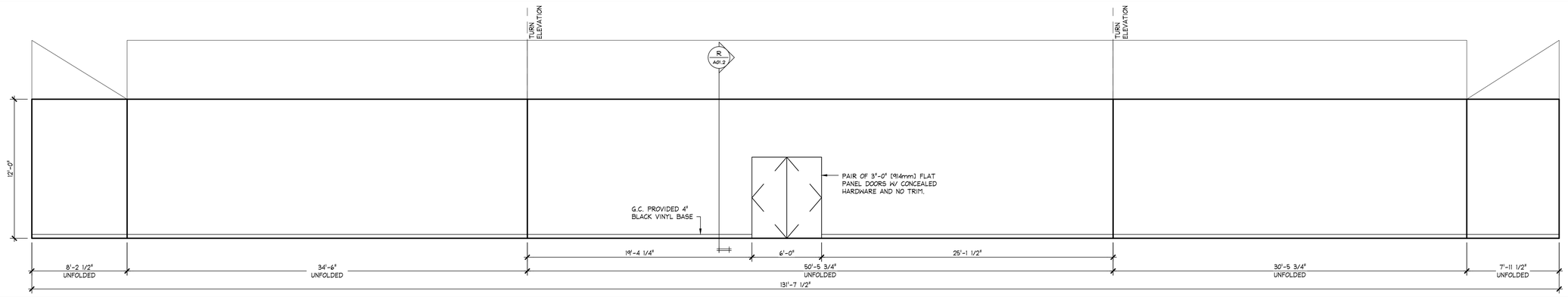
REVISIONS:

	REQUIRED BY:	DATE
1	REVS 1 - PCW REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/22/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

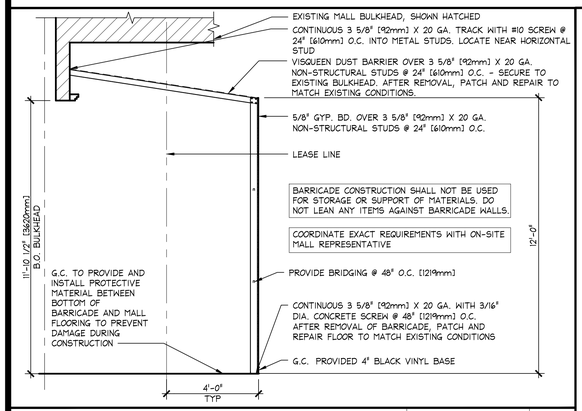
DEMOLITION PLAN

DRAWING NUMBER:
A01.1b



STOREFRONT BARRICADE ELEVATION

1/4" = 1'-0" | 42N-A011-H00-NOTE | D 08.24.09



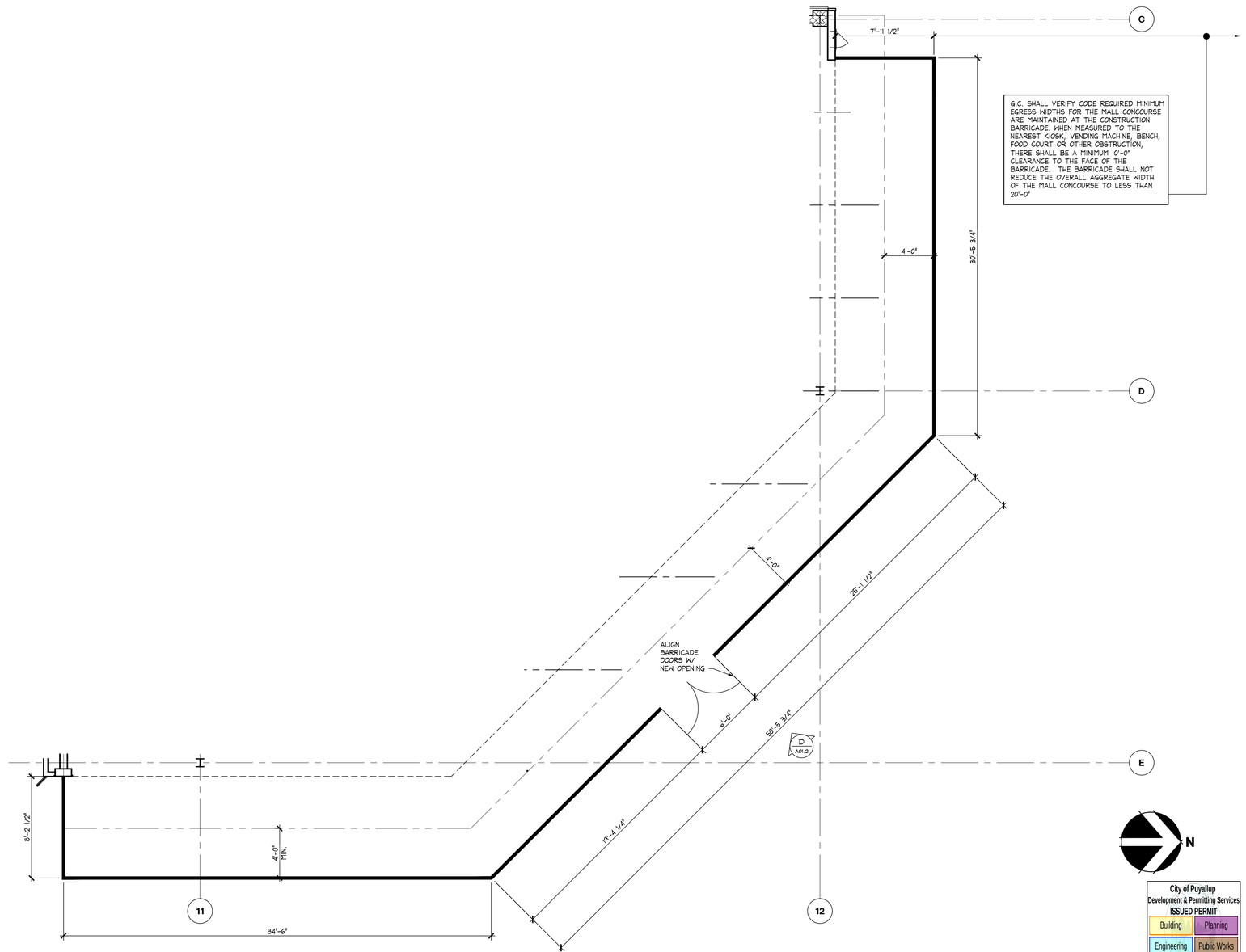
STOREFRONT BARRICADE (INTERIOR) SECTION

3/8" = 1'-0" | 42D-A011-G00-DETL | R 10.26.16

1. GENERAL CONTRACTOR IS TO CONSTRUCT A STOREFRONT BARRICADE PER LANDLORD/MALL SPECIFICATIONS. FINISHES PER BBWI SPECS. SEE NOTE #3
2. IF LANDLORD/MALL HAS NO SPECIFICATIONS, THEN: GENERAL CONTRACTOR IS TO CONSTRUCT TEMPORARY BARRICADE(S) OF 3-5/8" [92mm] METAL STUDS AT 24" [610mm] O.C. WITH ONE LAYER OF 5/8" [16mm] GYP. BD. (MALL SIDE) TAPED AND SPACKLED SMOOTH. INSTALL A 4 MIL PLASTIC OR GYP. BD. BACK TO MALL BULKHEAD TO CREATE DUST-PROOF CONDITION. SUBSTITUTE GYP. BD. AND PLASTIC WITH 5/8" [16mm] EXTERIOR GRADE PLYWOOD, FULL HEIGHT, AT EXTERIOR STOREFRONTS. BARRICADES ARE TO BE ADEQUATELY SECURED AND BRACED TO MALL BULKHEAD FRAMING FOR LATERAL STABILITY, AND BARRICADE MUST BE STRUCTURALLY SOUND.
3. PRIME AND PAINT BARRICADE PT-19, SEMI-GLOSS.
4. CARE IS TO BE TAKEN WHEN DISASSEMBLING AND REMOVING BARRICADE. GENERAL CONTRACTOR IS TO RESTORE MALL FLOORING AND BULKHEAD TO A 'LIKE NEW' CONDITION AND FINISH.
5. GENERAL CONTRACTOR TO CONSULT WITH MALL REPRESENTATIVE FOR HOURS IN WHICH WORK ON BARRICADE CAN OCCUR.
6. PROVIDE PLAN LAYOUT AND FIELD DIMENSIONS TO OWNER FOR GRAPHIC INSTALLATION.

STANDARD BARRICADE NOTES

FULL | 42N-A012-C00-NOTE | P 08.19.22



STOREFRONT BARRICADE PLAN

PRCTI20221802

1/4" = 1'-0" | 42N-A011-H00-NOTE | A 08.24.09

City of Puyallup
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www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

8768 REGISTERED ARCHITECT
1/4/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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104.01.0737.01

PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

SIS PKG 2
PACKAGE: 2315a.00
GENERATION: 2022012.0
A/E PROJECT #:

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - POR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

BARRICADE PLAN & ELEVATION

DRAWING NUMBER:
A01.2

CONSTRUCTION PLAN KEYNOTES

1. LEASE LINE
2. LINE OF SLIDING GRILLE
3. LINE OF EXISTING BULKHEAD ABOVE, SHOWN DASHED
4. INSTALL WATER-RESISTANT GYP. BD. @ TOILET ROOM AND DRINKING FOUNTAIN WALLS. TYP. INSTALL WATERPROOF MEMBRANE UP TO 6" (152mm) A.F.F. ON WALLS PRIOR TO FINISH INSTALLATION
5. (E) NEUTRAL PIER / (E) MALL FACADE
6. PREFINISHED METAL PANEL
7. G.C. TO INSTALL TACTILE EXIT SIGNAGE - REFER TO DETAIL L/A13.1
8. LEVEL EXISTING FLOOR AT CASHWRAP AND BACKWRAP AREA
9. FLOOR OUTLET. REFER TO ELECTRICAL DRAWINGS
10. ELECTRICAL PANELS - SEE ELECTRICAL DRAWINGS. INSTALL PLYWOOD ON FACE OF WALL FURRING AS REQD FOR BACKING. DASHED LINE INDICATES MIN. CLEAR FLOOR SPACE REQ'D IN FRONT OF PANELS
11. (E) INDIVIDUAL HOOKS. REFER TO DETAIL P2 AND P3/A13.1
12. G.C. TO INSTALL IN-WALL METAL BLOCKING FOR DECOR ATTACHMENT. REFER TO DETAIL L/A12.1
13. SALES/NON-SALES WALL: FULL-HEIGHT GYP. BD. @ NON-SALES SIDE ONLY. REFER TO DETAIL B/A12.1
14. (E) FIXED SHELVING UNITS - ANCHOR TO FLOOR AND SECURE TO WALL. REFER TO DETAIL A/A14.1
15. (E) DEMISING WALL
16. G.C. TO PROVIDE (3) SHELVES ON OWNER SUPPLIED STANDARDS AND BRACKETS ON WALL ABOVE MICROWAVE/REFRIGERATOR, SAFE, LOCKERS & BREAK COUNTER. SEE DETAIL 'L' & R/A14.1. DEPTH OF SHELVING @ MICRO/FRIDGE TO BE 18" (457mm) MIN.
17. LEAVE BOTTOM (2) SHELVES OUT OF (E) FIXED SHELVING UNIT FOR LOCATING MOBILE MARKETING CART. REFER TO A1.1
18. PERIMETER SHELVING W/ WALL-MOUNTED STANDARDS. REFER TO C/A14.1
19. DRINKING FOUNTAIN W/ REMOTE COMPRESSOR. REFER TO DETAIL S/A13.1
20. LOCKED BACKROOM CONTAINER. REFER TO J/A14.1
21. 48"H (1219mm) MTL. CORNER GUARD @ NON-SALES AREA. INSTALL TIGHT TO FLOOR.
22. PLAN TUBE HOLDER MOUNTED UNDER PHONE/DATA BOARD. REFER TO DETAIL J/A13.1
23. BREAK COUNTER. REFER TO P1/A13.1
24. MARKETING CART
25. EMPLOYEE LOCKERS. INSTALL BLOCKING FOR ATTACHMENT TO WALL. REFER TO R/A14.1
26. IT CABINET ON CASTERS - REFER TO DETAIL R/A13.1
27. PROCESSING AREA: REFER TO SHEET C2/A14.1 FOR SHELVING DETAIL
28. 24H X 48"H F.R.T. PLYWOOD MOUNTED TO WALL @ 5'-0" (1524mm) A.F.F. (TO BOTTOM) FOR PHONE AND DATA EQUIPMENT
29. MUSIC CONTROL SYSTEM - SEE ELECTRICAL DRAWINGS
30. MICROWAVE. REFER TO DETAIL L/A14.1
31. MANAGER'S DESK - REFER TO DETAIL J/A14.1
32. STOCKING CART
33. WALL CONTAINING DRAIN LINE FOR DEMO SINK W/ MODIFIED FRAMING PER DETAIL K/A12.1
34. (E) BAKERS RACK
35. PAINTED STEEL MAGNETIC MARKER BOARD. SEE A07.X FOR MOUNTING HEIGHT/CONFIGURATION
36. FIRE EXTINGUISHER LOCATION. EXTINGUISHER TO HAVE MINIMUM RATING OF 2-A/10BC. G.C. TO LOCATE SO THAT MAXIMUM DISTANCE BETWEEN THEM IS NO MORE THAN 75'-0" (22860mm). COORDINATE EXACT LOCATION WITH OWNER'S PROJECT MANAGER & FIRE MARSHAL. MOUNT WITH TOP NO HIGHER THAN 48" (1219mm) OFF THE FLOOR.
37. SAFE SECURED TO FLOOR
38. BREAK AREA STOOLS
39. G.C. TO REFINISH (E) GYP. BD. WALL TO LIKE NEW CONDITION
40. TABLET CHARGING STATION AND COUNTER. REFER TO L/A14.1
41. REFRIGERATOR. REFER TO DETAIL L/A14.1
42. GALLON TOTE
43. GALLON DRUM
44. (E) 1 1/2" DIA. VERTICAL D.C.W. FROM SLAB WITH VALVE @ 6'-0"
45. SLIDING GINGHAM METAL PANEL
46. BLUE GINGHAM ALUMINUM COMPOSITE PANEL
47. WHITE METAL TRIMS
48. METAL REVEAL
49. MOBILE SHELVING UNITS - REFER TO A & J/A14.1. LEVEL FLOOR BENEATH UNITS USING SELF-LEVELING CONCRETE TOPPING. ALLOWABLE TOLERANCE IS 1/8" PER 10'-0". FLOOR MOUNTED TRACK. REFER TO MFG'S INSTALLATION GUIDE FOR MORE INFO
50. (N) FIXED SHELVING UNITS - ANCHOR TO FLOOR AND SECURE TO WALL. REFER TO DETAIL A/A14.1
51. QUAD FLOOR OUTLET FOR FREESTANDING FIXTURES

REFER TO SHEET A00.2 DOOR SCHEDULE

UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO FINISH FACE OF WALL

CONSTRUCTION PLAN NOTES:

1. EXISTING FLOOR SLAB SHALL BE LEVEL, WITH MAXIMUM ALLOWABLE SLOPE OF 1/8" (3mm) PER 10 FEET (3048mm) . CONTRACTOR TO VERIFY EXISTING CONDITIONS AND LEVEL AS REQUIRED.
2. G.C. TO LEVEL EXISTING FLOOR AT CASHWRAP/BACKWRAP AREA USING LATEX LEVELING COMPOUND. TAPER EDGES DOWN TO TOP OF FLOOR SLAB (1/16" (19mm) PER FOOT (305mm) MAXIMUM TAPER). FLOORING TO CONTINUE UNDERNEATH CASHWRAP & BACKWRAP.
3. FIRE ALARM/STROBE - AUDIO/VISUAL ALARM SYSTEMS WILL COMPLY WITH ADA REQUIREMENTS. MOUNT/SUSPEND ALARM SO AS NOT TO INTERFERE WITH DISPLAY FIXTURES.

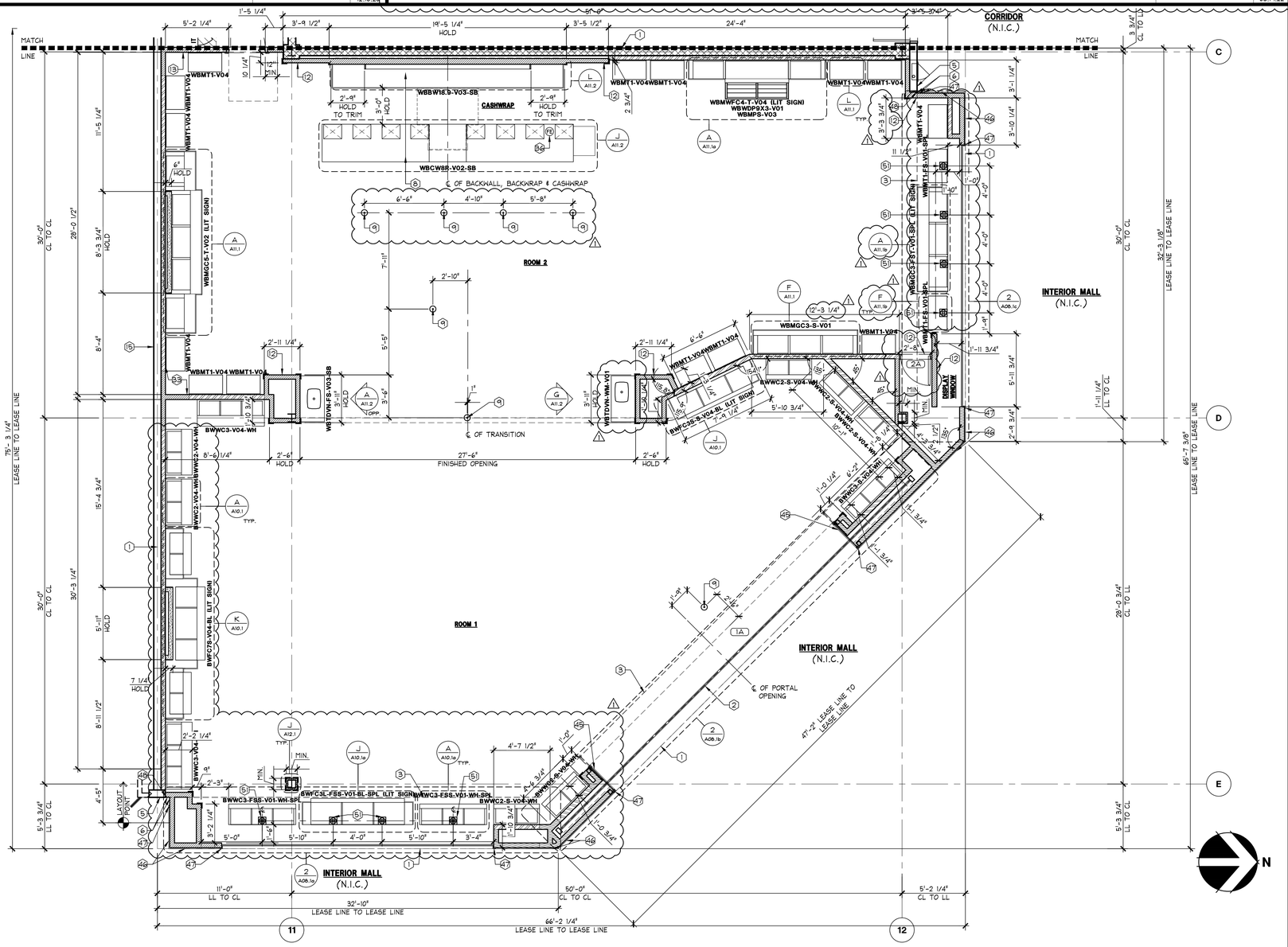
HATCH	WALL TYPE / DESCRIPTION
	DEMOLITION
	EXTENT OF DEMOLITION: REFER TO DEMOLITION PLAN.
	DEMISING
	(E) DEMISING WALLS: G.C. TO REPAIR OR REPLACE 5/8" (16mm) GYPSUM BOARD TYPE 'X' IF REQUIRED TO MAINTAIN FIRE RATING (U.L. #U465). SEE NOTE ON DEMOLITION PLAN FOR EXISTING CONSTRUCTION.
	(E) TWO HOUR RATED CMU WALL
	INTERIOR PARTITIONS SEE STRUCTURAL DRAWINGS FOR STOREFRONT & LEDGE FRAMING. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
	(N) PARTITION WALL (CABINETS): WALL FINISH (VARIES - REFER TO FINISH PLAN) ON METAL STUDS WITH 16 GA. STUD BLOCKING. SEE DETAILS B, L & R/A10.1, B & G/A11.1 AND B & F/A11.1a. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
	(N) PARTITION WALL: (1) LAYER 5/8" (16mm) GYPSUM BOARD ON METAL STUDS. INSTALL GYP. BD. ON ONE SIDE ONLY AT BACK TO BACK OR AT PERIMETER WALL CONDITIONS. SEE DETAILS A,B,D,F/A12.1 REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
	COLUMN NOTES: GENERAL CONTRACTOR TO WRAP ALL STRUCTURAL MALL COLUMNS WITHIN LEASED SPACE WITH 5/8" (16mm) GYPSUM BOARD TYPE 'X' FIRE-RATED ENCLOSURE TO OBTAIN REQUIRED RATING AS ESTABLISHED BY STATE AND LOCAL CODES AND/OR BY LANDLORD. COLUMNS ARE TO BE WRAPPED AS TIGHT AS POSSIBLE TO MAINTAIN A MINIMUM SIZE ENCLOSURE, UNLESS NOTED OTHERWISE ON DRAWINGS.
	(N) PARTIAL HEIGHT WALL (FOCAL CABINET): (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON METAL STUDS. TOP OF WALL VARIES SEE DETAIL N/A11.1 FOR WBC. REFER TO STRUCTURAL DRAWINGS FOR REQ'D STUD SIZES, GA. AND SPACING.

HATCH	WALL TYPE / DESCRIPTION

PARTITION GENERAL NOTES

REFER TO SHEET S01.1 FOR ALL STUD SIZES AND GAUGES

1. ALL LIGHT GAGE METAL FRAMING TO COMPLY WITH THE SSMA (STEEL STUD MANUFACTURERS ASSOCIATION) TABLES AND GUIDELINES. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GAGE AND SPACING. FOR WALLS UNDER DIFFERENT LOADING CONDITIONS OR HEIGHTS, REFER TO THE SSMA TABLES.
2. REFER TO STRUCTURAL DRAWINGS FOR ALL BRACING, SLAB ATTACHMENT, AND STRUCTURE/HEAD CONNECTION REQUIREMENTS.
3. FOR WALLS AT BUILT-IN CABINETS THROUGHOUT THE SALES AREA, REFER TO CABINET DETAILS AS INDICATED ON THE FLOOR PLAN FOR FURTHER INFORMATION.
4. GENERAL CONTRACTOR TO CONFIRM ACTUAL FIELD CONDITIONS AND COMPLY WITH INDICATED INSTRUCTIONS.
   EXISTING DEMISING WALLS TIGHT TO DECK: REPAIR AND/OR REPLACE DRYWALL SURFACES TO LIKE NEW CONDITION.
   EXISTING DEMISING WALLS SHORT OF DECK: INSTALL ADDITIONAL METAL FRAMING AND DRYWALL AS REQUIRED TO COMPLETE DEMISING WALL TIGHT TO DECK.
   EXISTING DEMISING WALLS SHORT OF DECK: (REQUIRED DUE TO COMMON HVAC PLENUM AND APPROVED BY BUILDING DEPARTMENT) INSTALL 1" (25mm) X 2" (51mm) WIRE MESH SECURITY SCREEN FROM TOP OF PARTITION TIGHT TO DECK ABOVE - G.C. MUST ADVISE BBWI'S PROJECT MANAGER OF ACTUAL FIELD CONDITIONS IN ORDER TO OBTAIN SPECIFIC INSTALLATION INSTRUCTIONS.



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CONSTRUCTION PLAN

PRCTI20221802

1/4" = 1'-0"
42P-A021-A00-PLAN
A
09.24.21

GF
www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

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1/9/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

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Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO.: 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

SIS PKG 2
231So.00
PACKAGE:
GENERATION:
A/E PROJECT #: 20221012.0

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - POR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

CONSTRUCTION PLAN

DRAWING NUMBER:
A02.1a

CONSTRUCTION PLAN KEYNOTES

1. LEASE LINE
2. LINE OF SLIDING GRILLE
3. LINE OF EXISTING BULKHEAD ABOVE, SHOWN DASHED
4. INSTALL WATER-RESISTANT GYP. BD. @ TOILET ROOM AND DRINKING FOUNTAIN WALLS, TYP. INSTALL WATERPROOF MEMBRANE UP TO 6' [152mm] A.F.F. ON WALLS PRIOR TO FINISH INSTALLATION
5. (E) NEUTRAL PIER / (E) MALL FACADE
6. PREFINISHED METAL PANEL
7. G.C. TO INSTALL TACTILE EXIT SIGNAGE. REFER TO DETAIL L/A13.1
8. LEVEL EXISTING FLOOR AT CASHWRAP AND BACKWRAP AREA
9. FLOOR OUTLET, REFER TO ELECTRICAL DRAWINGS
10. ELECTRICAL PANELS - SEE ELECTRICAL DRAWINGS. INSTALL PLYWOOD ON FACE OF WALL FURRING AS REQD FOR BACKING. DASHED LINE INDICATES MIN. CLEAR FLOOR SPACE REQD IN FRONT OF PANELS
11. (6) INDIVIDUAL HOOKS. REFER TO DETAIL P2 AND P3/A13.1
12. G.C. TO INSTALL IN-WALL METAL BLOCKING FOR DECOR ATTACHMENT. REFER TO DETAIL L/A12.1
13. SALES/NON-SALES WALL, FULL-HEIGHT GYP. BD. @ NON-SALES SIDE ONLY. REFER TO DETAIL B/A12.1
14. (E) FIXED SHELVING UNITS - ANCHOR TO FLOOR AND SECURE TO WALL. REFER TO DETAIL A/A14.1
15. (E) DEMISING WALL
16. G.C. TO PROVIDE (3) SHELVES ON OWNER SUPPLIED STANDARDS AND BRACKETS ON WALL ABOVE MICROWAVE/REFRIGERATOR, SAFE, LOCKERS & BREAK COUNTER. SEE DETAIL L & R/A14.1. DEPTH OF SHELVING @ MICRO/FRIDGE TO BE 18" [457mm] MIN.
17. LEAVE BOTTOM (2) SHELVES OUT OF (E) FIXED SHELVING UNIT FOR LOCATING MOBILE MARKETING CART. REFER TO A14.1
18. PERIMETER SHELVING W/ WALL-MOUNTED STANDARDS. REFER TO C/A14.1
19. DRINKING FOUNTAIN W/ REMOTE COMPRESSOR, REFER TO DETAIL S/A13.1
20. LOCKED BACKROOM CONTAINER, REFER TO J/A14.1
21. 48"H [1219mm] MTL. CORNER GUARD @ NON-SALES AREA. INSTALL TIGHT TO FLOOR.
22. PLAN TUBE HOLDER MOUNTED UNDER PHONE/DATA BOARD, REFER TO DETAIL J/A13.1
23. BREAK COUNTER. REFER TO P1/A13.1
24. MARKETING CART
25. EMPLOYEE LOCKERS. INSTALL BLOCKING FOR ATTACHMENT TO WALL. REFER TO R/A14.1.
26. IT CABINET ON CASTERS - REFER TO DETAIL R/A13.1
27. PROCESSING AREA. REFER TO SHEET C2/A14.1 FOR SHELVING DETAIL.
28. 24W X 48"H F.R.T. PLYWOOD MOUNTED TO WALL @ 5'-0" [1524mm] A.F.F. (TO BOTTOM) FOR PHONE AND DATA EQUIPMENT
29. MUSIC CONTROL SYSTEM - SEE ELECTRICAL DRAWINGS
30. MICROWAVE, REFER TO DETAIL L/A14.1
31. MANAGER'S DESK - REFER TO DETAIL J/A14.1
32. STOCKING CART
33. WALL CONTAINING DRAIN LINE FOR DEMO SINK W/ MODIFIED FRAMING PER DETAIL K/A12.1
34. (E) BAKERS RACK
35. PAINTED STEEL MAGNETIC MARKER BOARD, SEE A07.X FOR MOUNTING HEIGHT/CONFIGURATION
36. FIRE EXTINGUISHER LOCATION. EXTINGUISHER TO HAVE MINIMUM RATING OF 2-A/10BC. G.C. TO LOCATE SO THAT MAXIMUM DISTANCE BETWEEN THEM IS NO MORE THAN 75'-0" [22860mm]. COORDINATE EXACT LOCATION WITH OWNER'S PROJECT MANAGER & FIRE MARSHAL. MOUNT WITH TOP NO HIGHER THAN 48" [1219mm] OFF THE FLOOR.
37. SAFE SECURED TO FLOOR
38. BREAK AREA STOOLS
39. G.C. TO REFINISH (E) GYP. BD. WALL TO LIKE NEW CONDITION
40. TABLET CHARGING STATION AND COUNTER. REFER TO L/A14.1.
41. REFRIGERATOR, REFER TO DETAIL L/A14.1
42. GALLON TOTE
43. GALLON DRUM
44. (E) 1 1/2" DIA. VERTICAL D.C.W. FROM SLAB WITH VALVE @ 6'-0"
45. SLIDING GINGHAM METAL PANEL
46. BLUE GINGHAM ALUMINUM COMPOSITE PANEL
47. WHITE METAL TRIMS
48. METAL REVEAL
49. MOBILE SHELVING UNITS - REFER TO A & J/A14.1. LEVEL FLOOR BENEATH UNITS USING SELF-LEVELING CONCRETE TOPPING. ALLOWABLE TOLERANCE IS 1/8" PER 10'-0" FLOOR MOUNTED TRACK. REFER TO MFG'S INSTALLATION GUIDE FOR MORE INFO
50. (N) FIXED SHELVING UNITS - ANCHOR TO FLOOR AND SECURE TO WALL. REFER TO DETAIL A/A14.1
51. QUAD FLOOR OUTLET FOR FREESTANDING FIXTURES

-
42P-A021-D00-NOTES
M 12.10.20

PARTITION LEGEND

HATCH	WALL TYPE / DESCRIPTION
	DEMOLITION
	EXTENT OF DEMOLITION: REFER TO DEMOLITION PLAN.
	DEMISING
	(E) DEMISING WALLS: G.C. TO REPAIR OR REPLACE 5/8" [16mm] GYPSUM BOARD TYPE 'X' IF REQUIRED TO MAINTAIN FIRE RATING (U.L. #U465). SEE NOTE ON DEMOLITION PLAN FOR EXISTING CONSTRUCTION.
	(E) TWO HOUR RATED CMU WALL
	(E) TWO HOUR RATED CONCRETE WALL
	(E) TWO HOUR RATED PARTITION WALL. G.C. TO VERIFY EXISTING WALL CONSTRUCTION IS COMPLIANT WITH U.L. #U419 AND DETAIL E/A12.1
	INTERIOR PARTITIONS SEE STRUCTURAL DRAWINGS FOR STOREFRONT & LEDGE FRAMING. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
	(N) ONE HOUR RATED PARTITION WALL: METAL STUDS WITH 5/8" [16mm] TYPE 'X' GYPSUM BOARD ON BOTH SIDES. EXTEND GYPSUM BOARD TIGHT TO STRUCTURE/DECK ABOVE. REFER TO FLOOR PLAN FOR SPECIFIC CONDITION (U.L. #U465). SEE DETAIL C/A12.1. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
	(N) PARTITION WALL: (1) LAYER 5/8" [16mm] GYPSUM BOARD ON METAL STUDS. INSTALL GYP. BD. ON ONE SIDE ONLY AT BACK TO BACK OR AT PERIMETER WALL CONDITIONS. SEE DETAILS A,B,D,F/A12.1 REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
	(N) TWO HOUR RATED PARTITION WALL: METAL STUDS WITH (2) LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON BOTH SIDES. EXTEND GYPSUM BOARD TIGHT TO STRUCTURE/DECK ABOVE. REFER TO FLOOR PLAN FOR SPECIFIC CONDITION (U.L. #U411). SEE DETAIL E/A12.1.

PARTITION GENERAL NOTES

REFER TO SHEET S01.1 FOR ALL STUD SIZES AND GAUGES

1. ALL LIGHT GAGE METAL FRAMING TO COMPLY WITH THE SSMA (STEEL STUD MANUFACTURERS ASSOCIATION) TABLES AND GUIDELINES. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GAGE AND SPACING. FOR WALLS UNDER DIFFERENT LOADING CONDITIONS OR HEIGHTS, REFER TO THE SSMA TABLES.
2. REFER TO STRUCTURAL DRAWINGS FOR ALL BRACING, SLAB ATTACHMENT, AND STRUCTURE/HEAD CONNECTION REQUIREMENTS.
3. FOR WALLS AT BUILT-IN CABINETS THROUGHOUT THE SALES AREA, REFER TO CABINET DETAILS AS INDICATED ON THE FLOOR PLAN FOR FURTHER INFORMATION.
4. GENERAL CONTRACTOR TO CONFIRM ACTUAL FIELD CONDITIONS AND COMPLY WITH INDICATED INSTRUCTIONS.
   EXISTING DEMISING WALLS TIGHT TO DECK: REPAIR AND/OR REPLACE DRYWALL SURFACES TO LIKE NEW CONDITION.
   EXISTING DEMISING WALLS SHORT OF DECK: INSTALL ADDITIONAL METAL FRAMING AND DRYWALL AS REQUIRED TO COMPLETE DEMISING WALL TIGHT TO DECK.
   EXISTING DEMISING WALLS SHORT OF DECK: (REQUIRED DUE TO COMMON HVAC PLENUM AND APPROVED BY BUILDING DEPARTMENT) INSTALL 1" [25mm] X 2" [51mm] WIRE MESH SECURITY SCREEN FROM TOP OF PARTITION TIGHT TO DECK ABOVE - G.C. MUST ADVISE BBWI'S PROJECT MANAGER OF ACTUAL FIELD CONDITIONS IN ORDER TO OBTAIN SPECIFIC INSTALLATION INSTRUCTIONS.

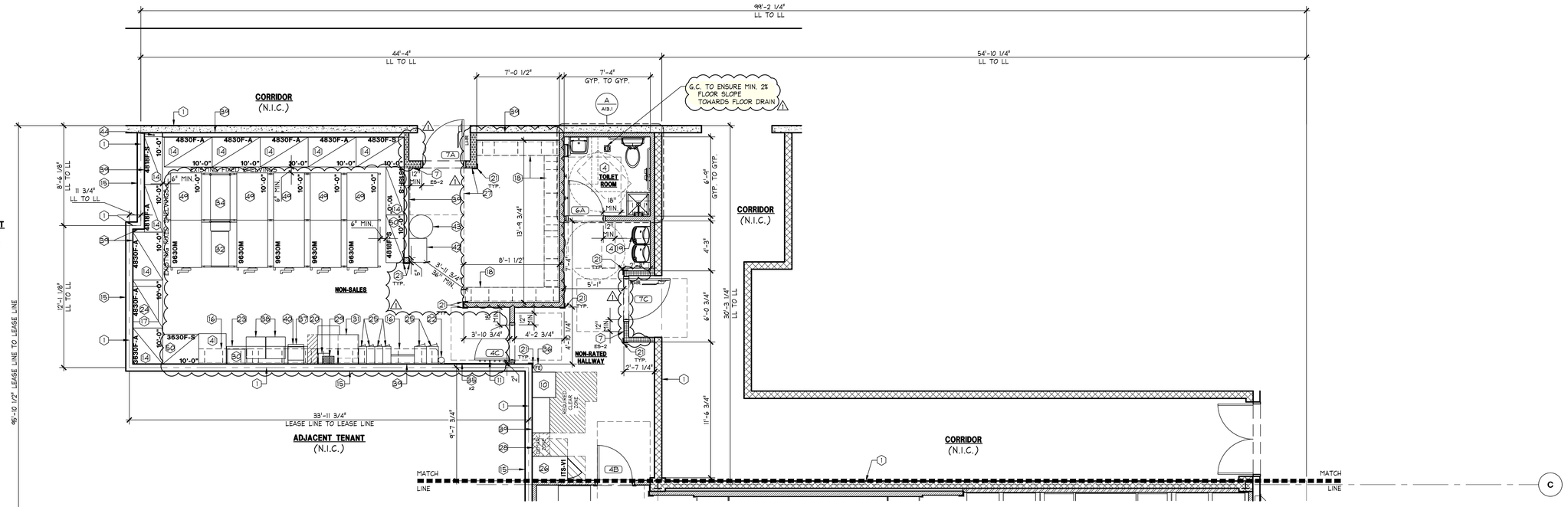
NO SCALE
-
D 08.19.22

CONSTRUCTION PLAN NOTES:

1. EXISTING FLOOR SLAB SHALL BE LEVEL, WITH MAXIMUM ALLOWABLE SLOPE OF 1/8" [3mm] PER 10 FEET [3048mm] . CONTRACTOR TO VERIFY EXISTING CONDITIONS AND LEVEL AS REQUIRED.
2. G.C. TO LEVEL EXISTING FLOOR AT CASHWRAP/BACKWRAP AREA USING LATEX LEVELING COMPOUND. TAPER EDGES DOWN TO TOP OF FLOOR SLAB (1/16" [19mm] PER FOOT [305mm] MAXIMUM TAPER). FLOORING TO CONTINUE UNDERNEATH CASHWRAP & BACKWRAP.
3. FIRE ALARM/STROBE - AUDIO/VISUAL ALARM SYSTEMS WILL COMPLY WITH ADA REQUIREMENTS. MOUNT/SUSPEND ALARM SO AS NOT TO INTERFERE WITH DISPLAY FIXTURES.

REFER TO SHEET A00.2 DOOR SCHEDULE

UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO FINISH FACE OF WALL



PRCTI20221802

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CONSTRUCTION PLAN

1/4" = 1'-0"
42P-A021-A00-PLAN
A 09.24.21

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Suite 100
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t: 949 296 0450

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1/9/2023
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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SJS PKG 2
GENERATION: 2315a.00
A/E PROJECT #: 20221012.0

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - PDR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

CONSTRUCTION PLAN

DRAWING NUMBER:
A02.1b

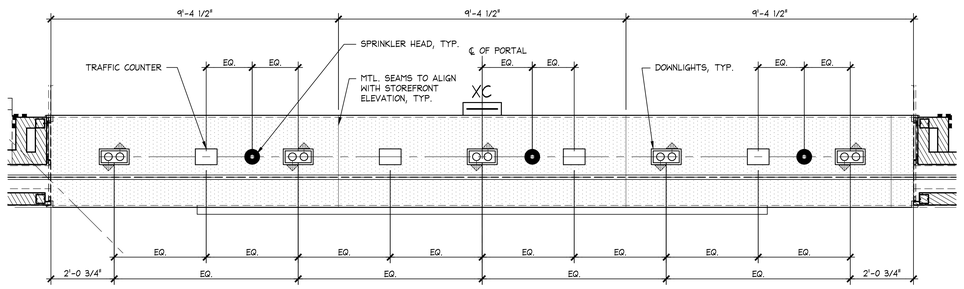
SYMBOL	DESCRIPTION
	RECESSED DOWNLIGHT
XX XX XX XX	TRACK W/ TRACK HEADS
XX	LED STRIPS - SURFACE MOUNTED
XX	LED STRIPS - CHAIN-HUNG FROM STRUCTURE 12'-0" (3658mm) A.F.F.
XX	EGRESS SIGNAGE - WBC: CEILING MOUNTED (UNLESS INDICATED OTHERWISE) BBW: WALL MOUNTED (UNLESS INDICATED OTHERWISE)
XX	EMERGENCY LIGHT
	SPEAKER
	SUPPLY DIFFUSER
	RETURN AIR GRILLE
	CEILING ACCESS PANEL
	EXHAUST AIR REGISTER
XC(#)	LVAN CAMERA - SUPPLIED AND INSTALLED BY SECURITY VENDOR
TCX-(XX)	TRAFFIC COUNTER - -WH = WHITE (BBW)
TCX-WH-R	ROUND TRAFFIC COUNTER - WHITE
PR	WHITE FINISH DECORATIVE PENDANT WITH CUSTOM 18" HARD STEM FOR FIXTURE
PS	DECORATIVE PENDANT WITH CUSTOM 16.5" HARD STEM FOR FIXTURE

NOTES:
1. ALL CEILING HEIGHTS ARE FROM THE TOP OF FINISH FLOOR TO UNDERSIDE OF FINISH CEILING.
2. PROVIDE ADEQUATE CLEARANCES FOR FIXTURES, DUCTS, CEILINGS, AND RELATED PERTINENT ITEMS NECESSARY TO MAINTAIN THE SPECIFIED HEIGHTS ABOVE FINISH FLOOR.
3. ADDITIONAL HANGER AND SAFETY WIRES FOR LIGHT FIXTURES, SPEAKERS AND DUCTWORK, AS REQUIRED BY LOCAL CODES, TO BE THE RESPONSIBILITY OF THE CEILING SUBCONTRACTOR.
4. SPRINKLER HEAD LAYOUT TO CONFORM TO LOCAL CODE. TAKING IN ACCOUNT LOCATIONS OF DUCTWORK, LIGHTING AND LOCATION OF TENANT'S CABINET, FIXTURE AND SHELVING UNITS. SPRINKLER HEAD COLOR TO MATCH CEILING FINISH AT SALES AREAS. REFER TO P02.01 FOR MORE FINISH LOCATIONS.
5. ARCHITECTURAL DRAWINGS DETERMINE LOCATION OF LUMINAIRES AND SUPERSEDE ALL OTHERS, U.O.N.
6. AFTER INSTALLATION, ELECTRICAL CONTRACTOR IS TO TILT THE LAMP IN ALL "T" FIXTURES @ A 45 DEGREE ANGLE TOWARD WALL OR CABINETS.
7. SEE LIGHT FIXTURE SCHEDULE ON ELECTRICAL DRAWINGS FOR FIXTURE MODEL NUMBERS KEYED TO THE LIGHTING AND CEILING LEGEND.
8. NO EMERGENCY LIGHTS, EXIT LIGHTS OR SENSORS ARE TO BE PLACED ON THE PERIMETER SALES WALLS.
9. REFER TO G/A10.1 FOR WOOD TRIM PROFILE LEGEND.

EA2 PDL	2 HEADED FULLY-RECESSED LED MULTIPLE FIXTURE, SILVER FINISH, 3000K, 25 DEGREE BEAM AND HEX
PS	DECORATIVE BACKWRAP PENDANT

CEILING AND LIGHTING LEGEND

1/4" = 1'-0" | 42L-A041-M01-LGND | M | 08.19.22



BBW ENTRY NOTE: FINISH FACE OF METAL PANELS CANNOT EXCEED 3'-10" (1168mm) x 11'-10" (3607mm). ALLOW 1" (25mm) TOLERANCE TO TUCK OR CUT 4'-0" x 12'-0" (1219mm x 3658mm) SHEETS.

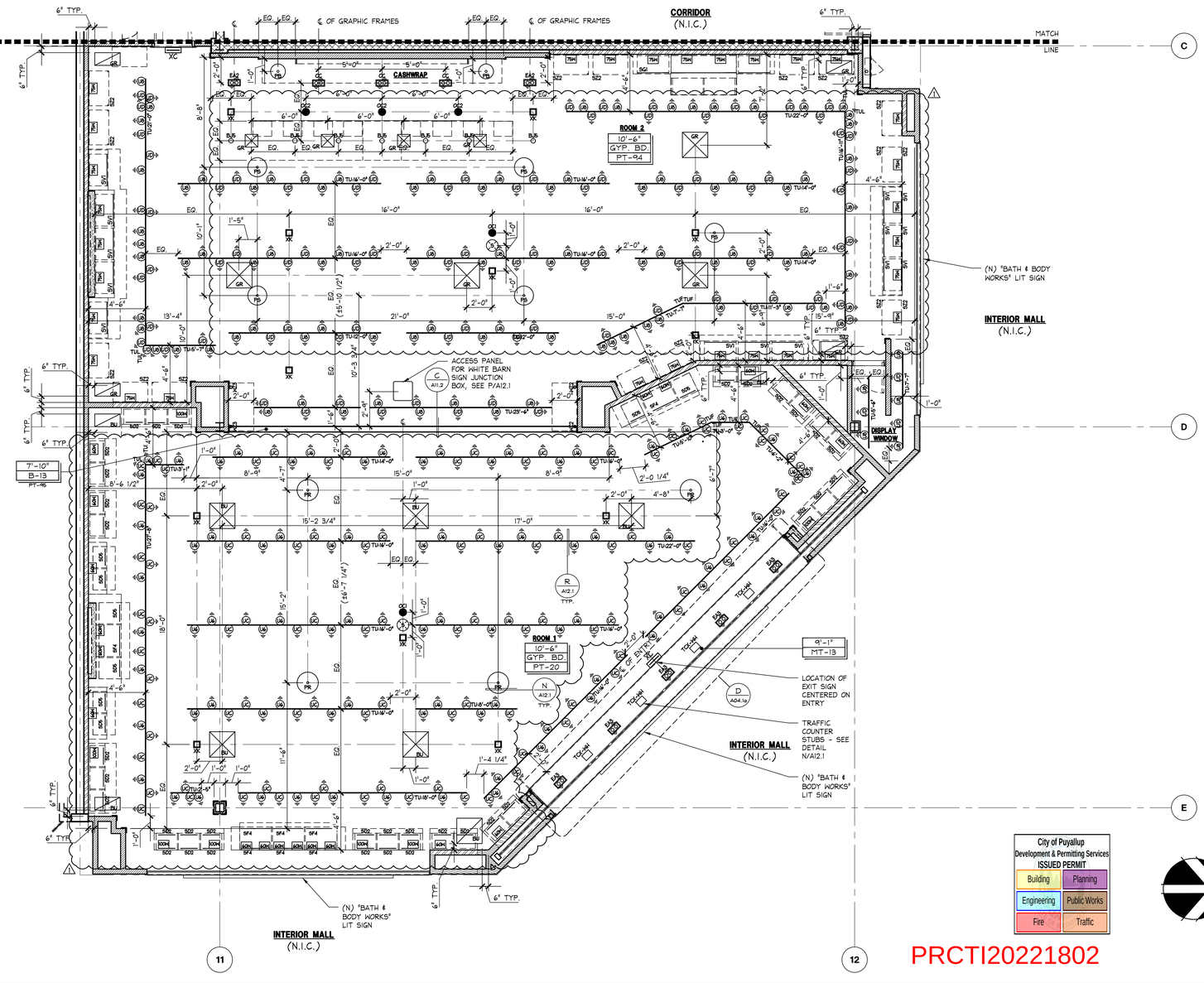
REFLECTED CEILING PLAN AT ENTRY PORTAL

1/2" = 1'-0" | 42L-A041-M01-LGND | D | 08.19.22

FOR TYPICAL ACT CEILING INSTALLATION DETAILS, SEE P/A12.1

CEILING ACCESSORIES FINISH NOTE:
G.C. TO PAINT RECESSED LIGHTING TRIM (EXCEPT 'XJ' EMERGENCY FIXTURES), SPEAKER & SPEAKER TRIM, SECURITY DOME TRIM & ACCESSORIES, AND SUPPLY DIFFUSERS & RETURN AIR GRILLES TO MATCH CEILING (BBW:PT-20, WBC:PT-93)
• DO NOT PAINT INTERIOR LIGHT HOUSING, ONLY BOTTOM TRIM RING

FOR TYPICAL GYP. BD. INSTALLATION DETAILS, SEE X/A12.1



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REFLECTED CEILING PLAN

1/4" = 1'-0" | 42P-A041-A01-PLAN | A | 01.27.22

www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

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1/9/2023
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STATE OF WASHINGTON

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Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98375
SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082
PACKAGE: SJS PKG 2
GENERATION: 231Sa.00
A/E PROJECT #: 20221012.0

REVISIONS:

	REQUIRED BY:	DESCRIPTION	DATE
1	REV1 - POR REVISION, DESIGN UPDATES, LL & BD COMMENTS		12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: AKA
CHECKED BY: PV

REFLECTED CEILING PLAN

DRAWING NUMBER:
A04.1a

SYMBOL	DESCRIPTION
	RECESSED DOWNLIGHT
XX XX XX XX	TRACK W/ TRACK HEADS
XX	LED STRIPS - SURFACE MOUNTED
XX	LED STRIPS - CHAIN-HUNG FROM STRUCTURE 12'-0" [3658mm] A.F.F.
XX	EGRESS SIGNAGE - WBC: CEILING MOUNTED (UNLESS INDICATED OTHERWISE) BBW: WALL MOUNTED (UNLESS INDICATED OTHERWISE)
XX	EMERGENCY LIGHT
	SPEAKER
	SUPPLY DIFFUSER
	RETURN AIR GRILLE
	CEILING ACCESS PANEL
	EXHAUST AIR REGISTER
CC(#)	LVAN CAMERA - SUPPLIED AND INSTALLED BY SECURITY VENDOR
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TCX-WH-R	ROUND TRAFFIC COUNTER - WHITE
PR	WHITE FINISH DECORATIVE PENDANT WITH CUSTOM 18" HARD STEM FOR FIXTURE
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NOTES:
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9. REFER TO G/A10.1 FOR WOOD TRIM PROFILE LEGEND.

EA2 DCD	2 HEADED FULLY-RECESSED LED MULTIPLE FIXTURE, SILVER FINISH, 3000K, 25 DEGREE BEAM AND HEX
PS	DECORATIVE BACKWRAP PENDANT

CEILING AND LIGHTING LEGEND

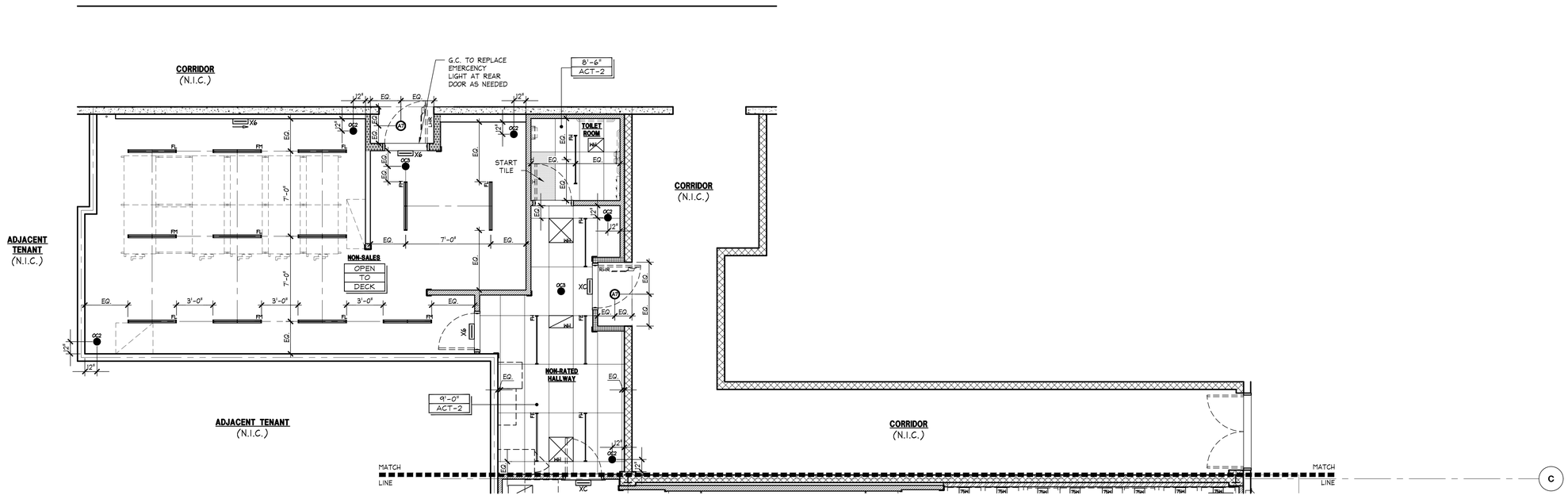
1/4" = 1'-0"

42L-A041-M01-LGND

M

08.19.22

FOR TYPICAL ACT CEILING INSTALLATION DETAILS, SEE P/A12.1



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REFLECTED CEILING PLAN

1/4" = 1'-0"

42P-A041-A01-PLAN

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01.27.22

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PROJECT INFORMATION: 104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98375

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 2315a.00
A/E PROJECT #: 20221012.0

REVISIONS:

	REQUIRED BY	DATE
1	REV1 - POR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: AKA
CHECKED BY: PV

REFLECTED CEILING PLAN

DRAWING NUMBER:
A04.1b

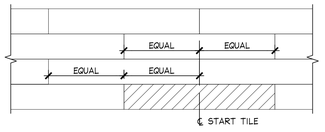
REFER TO SPECIFICATIONS DIVISION IX FOR MORE INFORMATION.

PAINT:

1. CONTRACTOR TO REVIEW CONSTRUCTION DETAIL SHEETS, FLOOR FINISH PLAN, AND ELEVATIONS FOR HELPFUL CLARIFICATION OF ITEMS AND SURFACES TO BE PAINTED.
2. CONTRACTOR IS TO PRIME ALL GYPSUM BOARD.
3. ALL METAL SURFACES PAINTED BY PAINT CONTRACTOR ARE TO BE PRIMED WITH A HIGH QUALITY METAL PRIMER AND FINISHED WITH A HIGH QUALITY SEMI GLOSS PAINT U.O.N. FINISH COATS MUST NOT REVEAL BRUSH MARKS. SPRAY OR APPLY AS NEEDED.
4. ALL WOOD SURFACES TO BE PRIMED WITH AN ALL-PURPOSE 100% ACRYLIC LATEX PRIMER AND FINISHED WITH A LATEX BASE PAINT.
5. FOR EXTERIOR STOREFRONTS: PRIME ALL WOOD WITH ALKYD PRIMER. USE BENJAMIN MOORE MOORCRAFT SUPER SPEC - SEMI GLOSS AS BASE FOR ALL COLORS.
6. USING NON-SHRINKING FILLER, FILL AND PUTTY ALL NAIL HOLES, COUNTERSINK SCREWS, BOLTS, CRACKS, ETC. BEFORE APPLYING FINISH.
7. WOOD DOORS: SEAL BOTTOMS, TOPS, AND EDGES. SAND ALL WOOD DOORS BEFORE FINISHING.
8. NAIL WOOD TRIM BOARDS IN LEAST CONSPICUOUS LOCATIONS. SET AND FINISH SMOOTH.
9. SAND ALL WOOD SURFACES SMOOTH AND EVEN BEFORE PAINTING.
10. SAND ENAMELED FINISHES APPLIED TO WOOD OR METAL BETWEEN COATS WITH FINE SANDPAPER TO PRODUCE SMOOTH AND EVEN FINISH.
11. MAKE FINISH WORK UNIFORM, SMOOTH, FREE OF RUNS, SAGS, DEFECTIVE BRUSHING AND CLOGGING. MAKE EDGES OF PAINT ADJOINING OTHER MATERIALS OR COLORS SHARP AND CLEAN WITHOUT OVERLAPPING.

FLOOR COVERING:

1. G.C. TO INSTALL LVT TILE, ALTERNATING FROM MULTIPLE BOXES AND ROTATING TILES THRU-OUT THE STORE. G.C. TO COORDINATE SPECIFIC PLANK SELECTION WHEN OFFSETTING TILE WITH PM PRIOR TO INSTALLATION. TILE SHALL BE INSTALLED IN RUNNING BOND PATTERN.



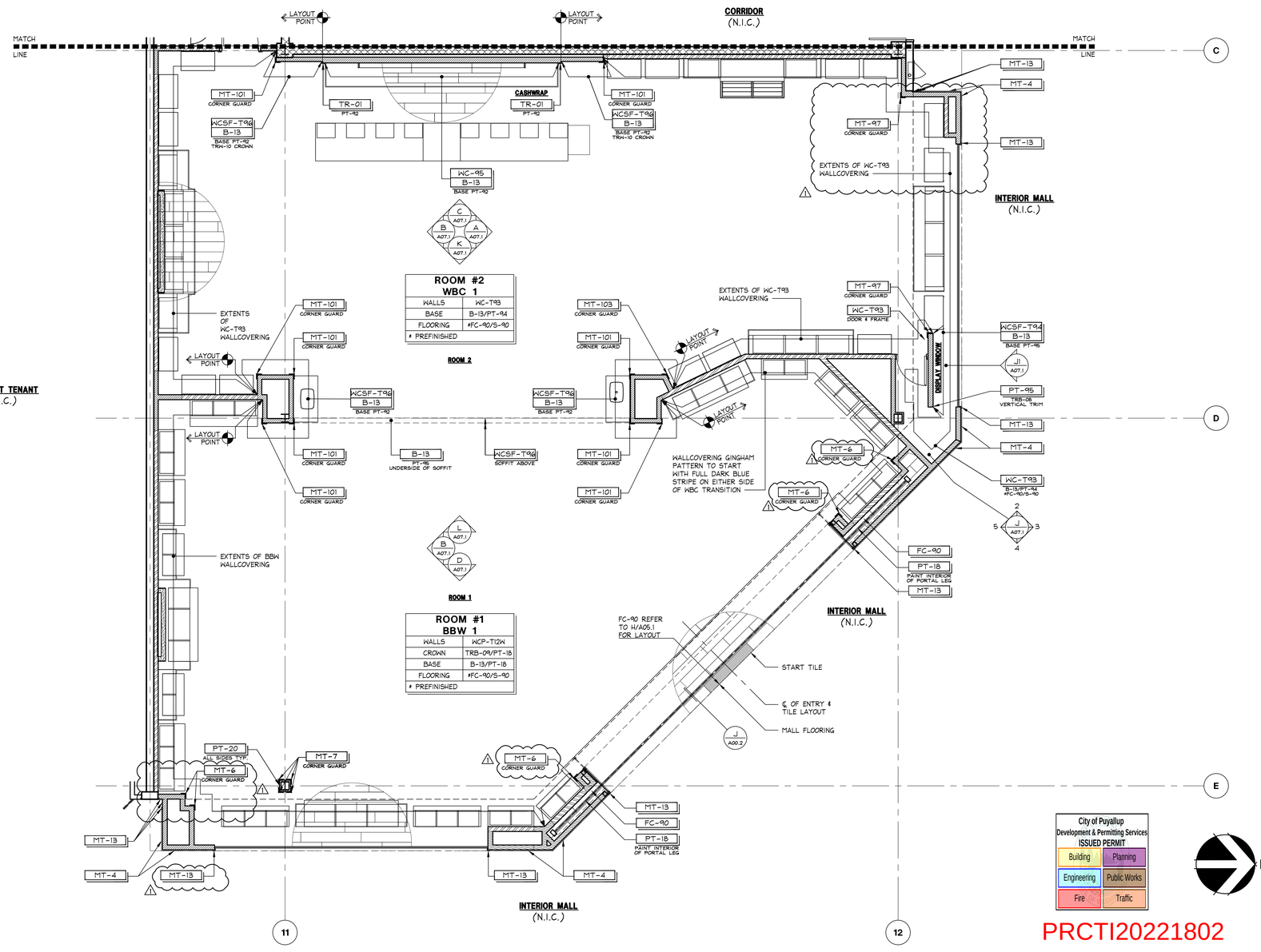
FINISH NOTES

FULL | 42N-A051-N00-NOTE | H | 04.07.20

1. REFER TO SHEET A08.1 FOR STOREFRONT FINISHES
2. REFER TO SHEET A00.1 FOR FINISH SCHEDULE
3. REFER TO G/A10.1 FOR WOOD TRIM PROFILE LEGEND
4. MITER ALL OUTSIDE CORNERS OF WALL BASE - COPE ALL INSIDE CORNERS
5. TILE FLOORING TO BE SET BEFORE WOOD BASE. SCRIBE WOOD BASE TO TOP OF FLOOR AS BEST POSSIBLE AND CAULK GAPS.
6. BACK OF HOUSE CONCRETE FLOORING: G.C. TO PREPARE EXISTING CONCRETE FLOOR AS REQUIRED BY MANUFACTURER. APPLY ONE COAT OF HARDENER, AS SPECIFIED, FOLLOWED BY TWO COATS OF CONCRETE PROTECTOR, AS SPECIFIED. AT PAINTED CLEAR FLOOR AREAS ONLY, OMIT HARDENER AND PROTECTING AGENT. PREPARE FLOOR AS REQUIRED FOR PAINTING AS DIRECTED BY PAINT MANUFACTURER. PAINT TWO COATS OF SPECIFIED PAINT.

FINISH PLAN NOTES

FULL | 42N-A051-D00-NOTE | D | 08.19.22



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FLOOR & WALL FINISH PLAN

1/4" = 1'-0" | 42P-A051-A00-PLAN | A | 08.16.22

www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

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1/4/2023
DOUGLAS S. COUPER
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Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373
SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082
PACKAGE: SIS PKG 2
GENERATION: 2315c.00
A/E PROJECT #: 20221012.0

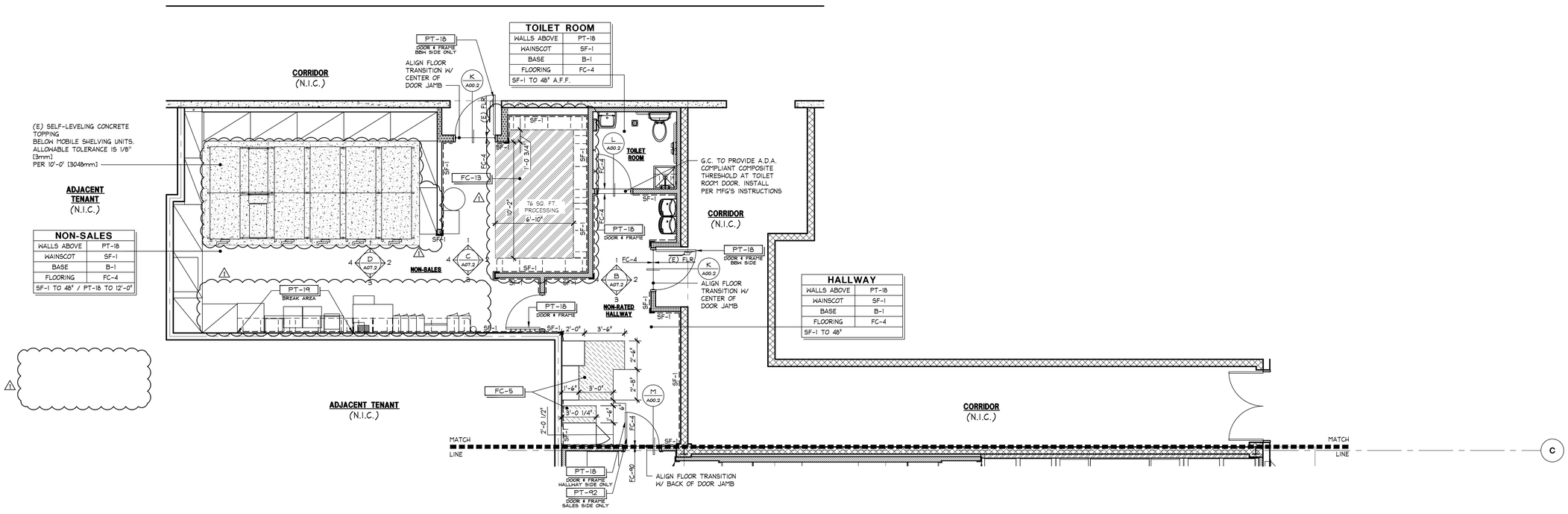
REVISIONS:

	REQUIRED BY:	DATE:
1	REV1 - FOR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

FLOOR & WALL FINISH PLAN

DRAWING NUMBER:
A05.1a



City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

PRCTI20221802

N

FLOOR & WALL FINISH PLAN

1/4" = 1'-0"

42P-A051-A00-PLAN

A
08.16.22

www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

8768 REGISTERED ARCHITECT
1/9/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 2315a.00
A/E PROJECT #: 20221012.0

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - PDR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

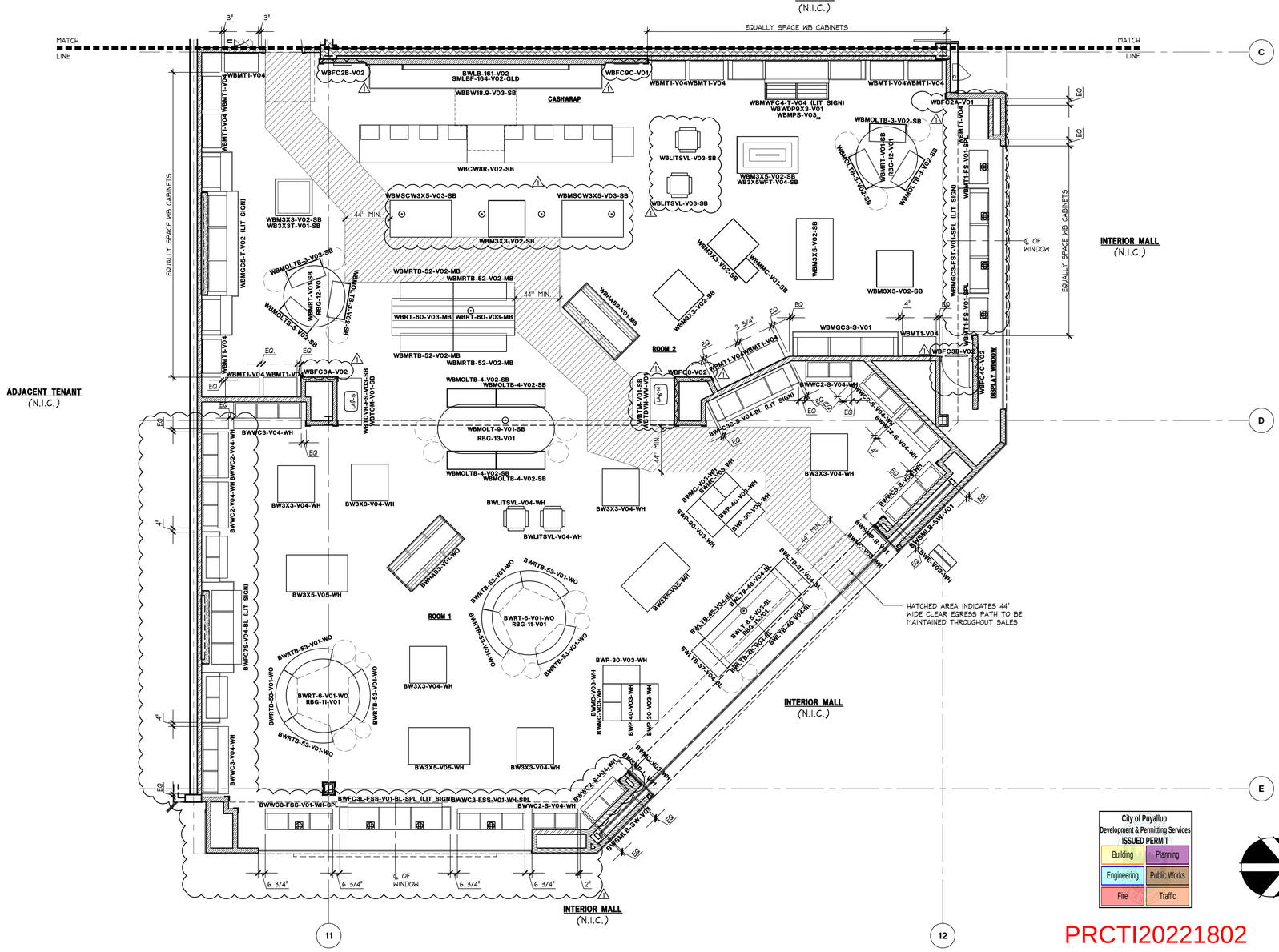
FLOOR & WALL FINISH PLAN

DRAWING NUMBER:
A05.1b

PRESENTATION PLAN NOTES:

1. GENERAL CONTRACTOR IS RESPONSIBLE TO RECEIVE, UNPACK, ASSEMBLE AND SET ACCORDING TO THE FIXTURE PLAN ALL OWNER-FURNISHED DISPLAY FIXTURES AND PRESENTATION ITEMS. G.C. TO DISPOSE OF ALL PACKING MATERIALS ACCORDINGLY.
2. UPON COMPLETION OF CABINET INSTALLATION, GENERAL CONTRACTOR TO INSPECT EVERY CABINET TO ENSURE THAT EACH DOOR HANGS PLUMB AND TRUE, AND AT THE SAME TIME RE-TIGHTEN ALL HINGES. (FLOOR FIXTURES, PERIMETER CABINET, CASHWRAP AND BACKWRAP)
3. G.C. TO INSPECT ALL DRAWERS & HARDWARE TO ENSURE PROPER OPERATION
4. SEE FIXTURE DETAILS FOR INSTALLATION SEQUENCING AND SHELF LAYOUTS.
5. FIXTURE VENDORS TO PROVIDE TOUCH UP KIT FOR EACH WOOD FINISH. G.C. TO REQUEST FROM OPERATIONS PLANNER IF NOT RECEIVED. ALL SCREW HEADS AT FIXTURES, CABINETS, AND PULL PLATES TO BE PAINTED TO MATCH. USE OF MARKERS ARE PROHIBITED.
6. CONFIRM LOCATION OF GABLED CABINETS IN WHITE BARN CANDLE PRIOR TO INSTALLATION.
7. CONFIRM SHELF SPACING FOR ALL WHITE BARN CANDLE FIXTURES WITH PROJECT MANAGER PRIOR TO INSTALL.

OVERALL STORE DEPTH: 99'-2 3/8" [30234mm]
OVERALL STORE WIDTH: 95'-10 1/2" [29223mm]


CORRIDOR
(N.I.C.)
EQUALLY SPACE WB CABINETS
MATCH LINE
CASHWRAP
ROOM 1
ROOM 2
INTERIOR MALL
(N.I.C.)
ADJACENT TENANT
(N.I.C.)
HATCHED AREA INDICATES 44" WIDE CLEAR EGRESS PATH TO BE MAINTAINED THROUGHOUT SALES
44" MIN.
℄ OF WINDOW
EQUALLY SPACE WB CABINETS
WBFC2B-V02
BWLB-161-V02 SMLBF-164-V02-GLD
WBFC9C-V01
WBBW18.9-V03-SB
WBCW8R-V02-SB
WBMSCW3X5-V03-SB
WBM3X3-V02-SB
WB3X3T-V01-SB
WBMOLTB-3-V02-SB
WBMRTB-52-V02-MB
WBRT-60-V03-MB
WBMOLTB-4-V02-SB
WBMOLT-9-V01-SB RBG-13-V01
WBRT-6-V01-WO RBG-11-V01
WBRTB-53-V01-WO
WBLITSVL-V03-SB
WBM3X5-V02-SB WB3X5WFT-V04-SB
WBMWFC4-T-V04 (LIT SIGN) WBWDP9X3-V01 WBMP8-V03
WBFC2A-V01
WBMT1-V01SB RBG-12-V01
WBMGTB-3-V02-SB
WBMT1-V04
WBMT1-FS-V01-SPL
WBMGC3-FST-V01-SPL (LIT SIGN)
WBMGC3-S-V01
WBFC3B-V02
WBFC4C-V02
DISPLAY WINDOW
WBMC-V01-SB
WBMC-V03-SB
WBP-40-V03-SB
WBP-30-V03-SB
WBP-30-V03-WH
WBFC3A-V02
WBWC3-V04-WH
WBWC2-V04-WH
WBW3X3-V04-WH
WBWC3-S-V04-WH
WBWC2-S-V04-WH
WBWC3-V03-WH
WBWC2-V03-WH
WBWC-V03-WH
WBWC-R-V03-WH
WBWC-V03-WH
WBWC3-S-V04-WH
WBWC2-S-V04-WH
WBWC3-V04-WH
WBWC2-V04-WH
WBWC3-R-V04-WH
WBWC2-R-V04

PRESENTATION PLAN NOTES:

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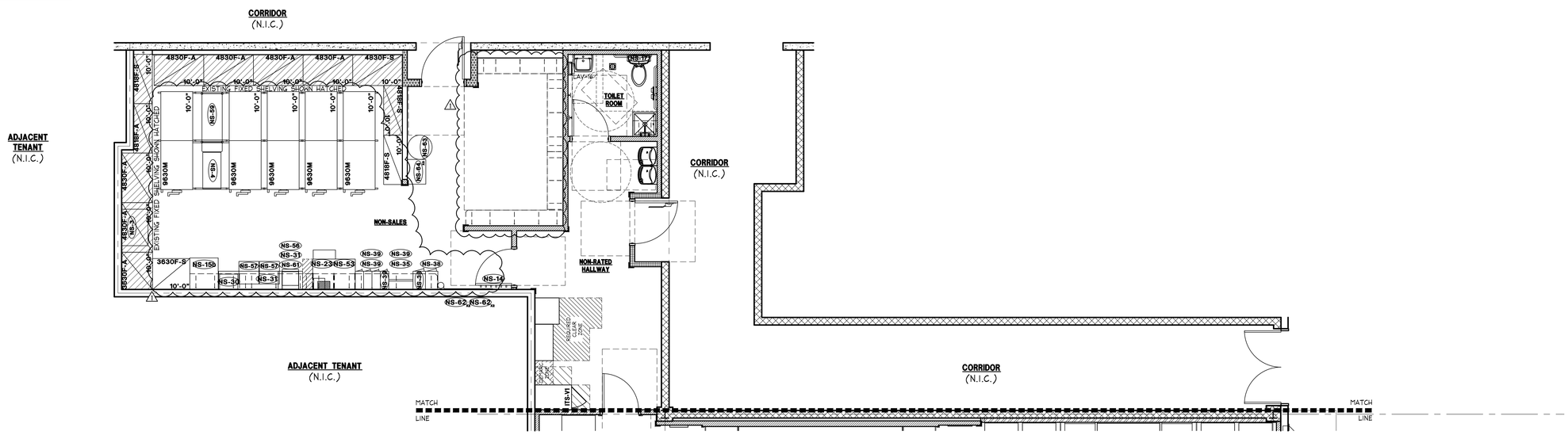

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

PRCTI20221802

PRESENTATION PLAN

1/4" = 1'-0"

42P-A061-A00-PLAN

A
09.24.21

www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

8768 REGISTERED ARCHITECT
1/9/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

Bath&BodyWorks
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Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 2315a.00
A/E PROJECT #: 20221012.0

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - PDR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

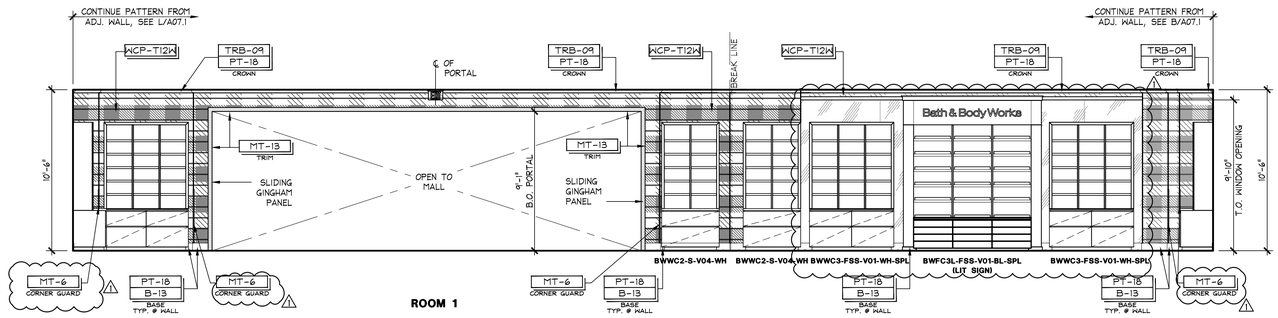
PRESENTATION PLAN

DRAWING NUMBER:
A06.1b

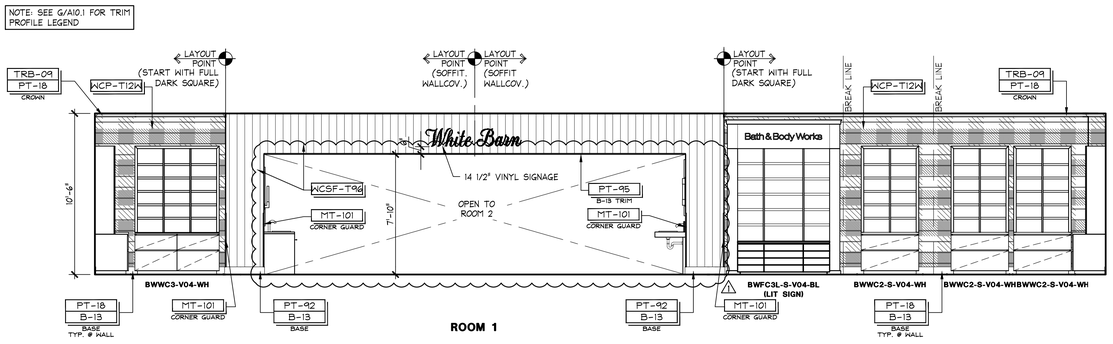
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

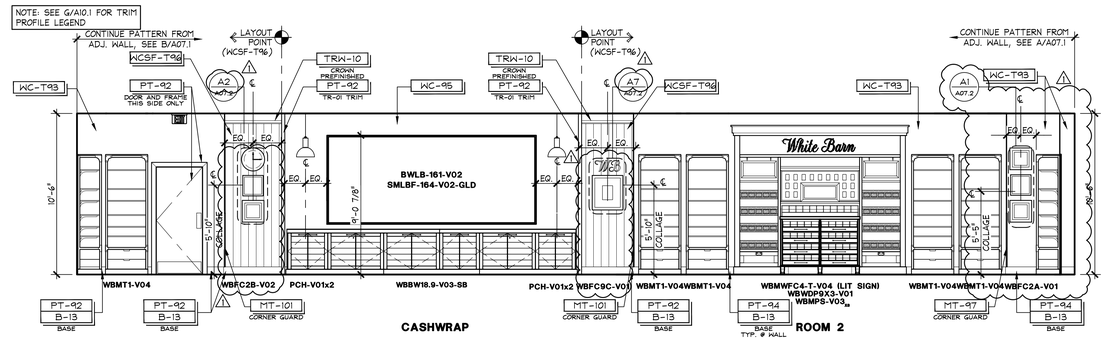
BUILDING DEPARTMENT NOTE: ALL SIGNAGE TO BE SUBMITTED UNDER SEPARATE PERMIT.



INTERIOR ELEVATION — 1/4" = 1'-0" — D 09.24.21



INTERIOR ELEVATION — 1/4" = 1'-0" — 50E-A071-L00-ELEV — L 08.19.22



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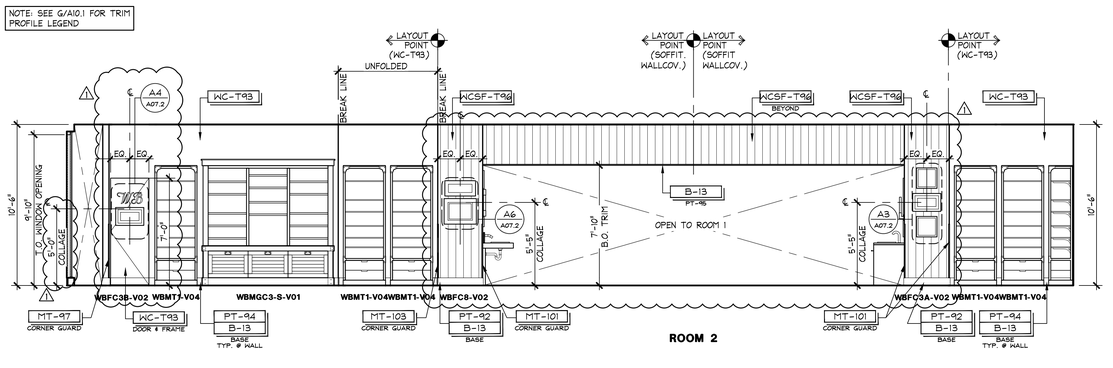

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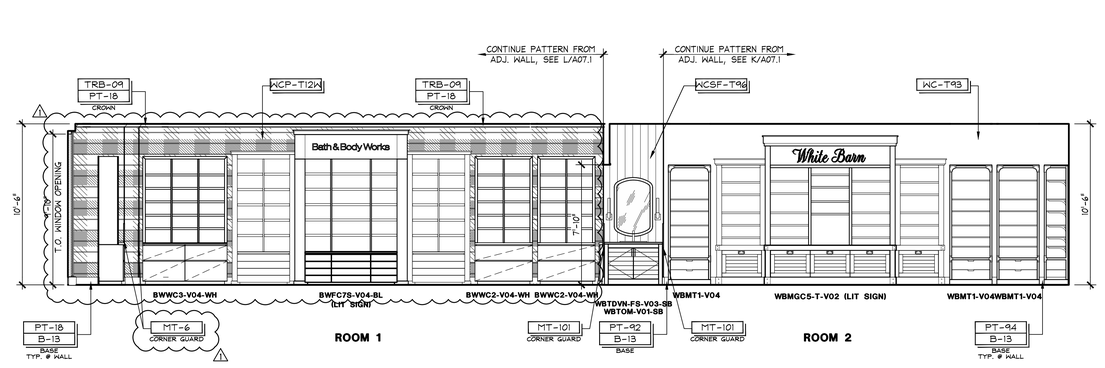

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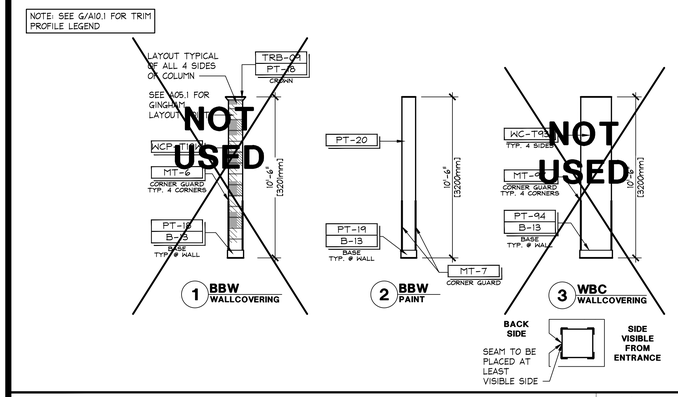
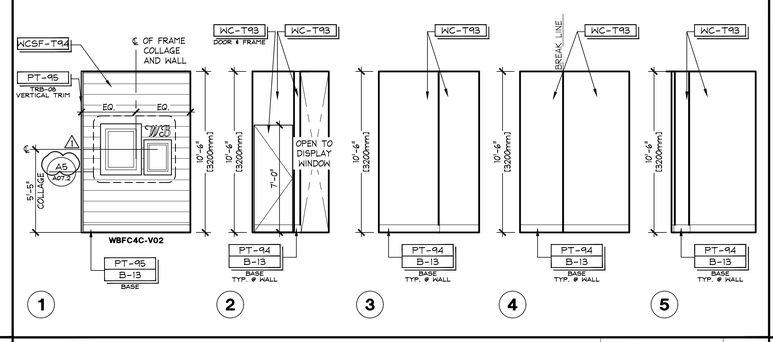
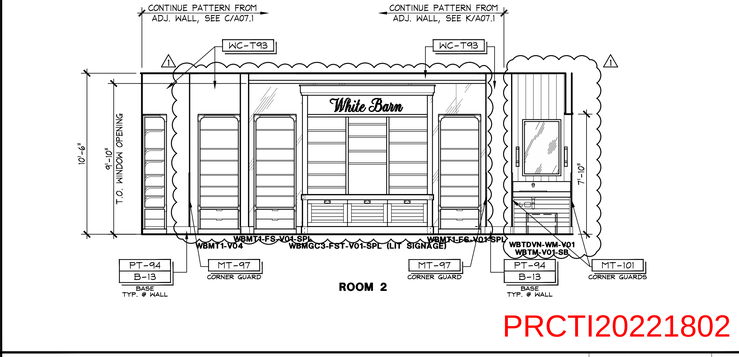


INTERIOR ELEVATION — 1/4" = 1'-0" — N 08.19.22



DISPLAY WINDOW ELEVATION — 1/4" = 1'-0" — 51E-A071-A00-ELEV — J 08.19.22



PRCTI20221802

INTERIOR ELEVATION — 1/4" = 1'-0" — 51E-A071-A00-ELEV — A 08.19.22

GF
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Suite 100
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t: 949 296 0450

8768 REGISTERED ARCHITECT
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SIS PKG 2
2315a.00
20221012.0

104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

PROJECT INFORMATION:
SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082
PACKAGE:
GENERATION:
A/E PROJECT #:

REVISIONS:

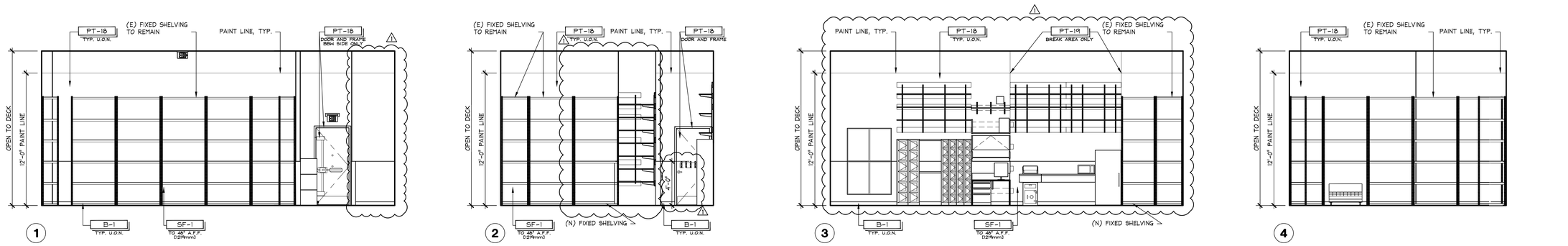
	REQUIRED BY:	DESCRIPTION	DATE
1		REV1 - PDR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

INTERIOR ELEVATIONS

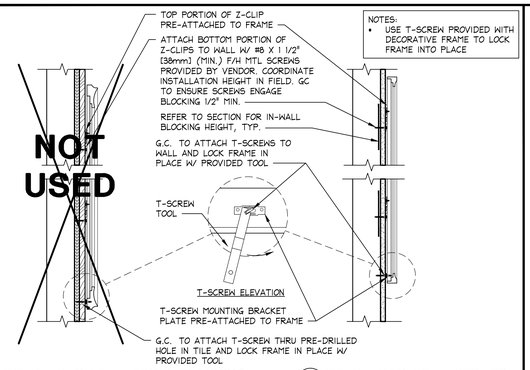
DRAWING NUMBER:
A07.1

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic



NON-SALES ELEVATIONS

1/4" = 1'-0" | - | D 09.24.21



1 CONDITIONS WITH WOOD PLANKING

2 CONDITIONS WITH GYP. BD.

FRAME ATTACHMENT (RECTANGULAR AND OVAL)

1 1/2" = 1'-0" | 42B-A101-G00-SECT | R 09.30.22

GRAPHIC FRAME LEGEND

DESCRIPTION	SIZE	MAT V.O.	IDENTIFICATION TAG
WB GRAPHIC FRAME A: 4" FRAME PROFILE (SW)	32" X 40"	20" X 28"	WBGF-A-SW
WB GRAPHIC FRAME B: 3" FRAME PROFILE (B)	20" X 25.25	12" X 17.25"	WBGF-B-B3
WB GRAPHIC FRAME C: 2" FRAME PROFILE (GLD)	22" X 14"	14.5" X 6.5"	WBGF-C-V02-GLD
WB GRAPHIC FRAME D: 2" FRAME PROFILE (TDB)	17" X 17"	10.125" X 10.125"	WBGF-D-V02-TDB
WB GRAPHIC FRAME E: 2.75" FRAME PROFILE (WAL)	21.5" X 25.5"	13.5" X 19.5"	WBGF-E-V01-WAL
WB GRAPHIC FRAME J: 1.5" FRAME PROFILE (SW)	16" X 16"	N/A	WBGF-J-SW
WB GRAPHIC FRAME K: 3" FRAME PROFILE (B)	25.25" X 20"	17.25" X 12"	WBGF-K-B
WB GRAPHIC FRAME M: 2.75" FRAME PROFILE (WAL)	24" X 12"	N/A	WBGF-M-V01-WAL
WB GRAPHIC FRAME P: 2" FRAME PROFILE (B)	24" X 27"	8" X 11"	WBGF-P-B

USE THE KEY BELOW TO DECIPHER THE WHITE BARN GRAPHIC FRAME ID TAGS:
WBGF-#-C
WB - INDICATES THAT THIS GRAPHIC IS FOR WBC
GF - INDICATES ITS A GRAPHIC FRAME
- REFERS TO FRAME SIZE
C - COLOR/FINISH (SW, B, TDB, TLB, GLD)

COLORS:
SW SALVAGED WOOD
B/B3 BLACK
TDB TUSCANY DARK BROWN
TLB TUSCANY LIGHT BROWN
GLD GOLD
WAL WALNUT

DECOR LEGEND

DESCRIPTION	IDENTIFICATION TAG
WB WALL CLOCK - 18"	WBWC18-V02-SW
WB LETTER 'B' (GLD)	WBLB-V01-GLD
WB LETTER 'W' (GLD)	WBLW-V01-GLD
WB FRAME LEDGE - 56", 70", 90", 102" (GLD)	WBFLE-V01-GLD
PILLAR CANDLE HOLDER	PCH-V01

WBC GRAPHIC FRAME AND DECOR LEGEND

1/4" = 1'-0" | 42D-A072-P00-DETL | P 08.02.22

GRAPHIC FRAME LEGEND

DESCRIPTION	SIZE	MAT V.O.	IDENTIFICATION TAG
BBW GRAPHIC FRAME 1: 1" FRAME PROFILE (GLD)	14" X 16"	9.5" X 11.5"	BWGF1-M1-V02-GLD
BBW GRAPHIC FRAME 1: 1" FRAME PROFILE (GLD)	14" X 16"	8" X 10"	BWGF1-M2-V02-GLD
BBW GRAPHIC FRAME 1: 1" FRAME PROFILE (BO)	14" X 16"	9.5" X 11.5"	BWGF1-M1-V01-BO
BBW GRAPHIC FRAME 2: 3" FRAME PROFILE (SVR)	23.75" X 34.75"	13.5" X 24.5"	BWGF2-M1-V02-SVR
BBW GRAPHIC FRAME 2: 2" FRAME PROFILE (MO)	23" X 34"	13.5" X 24.5"	BWGF2-M1-V01-MO
BBW GRAPHIC FRAME 2: 2" FRAME PROFILE (MO)	23" X 34"	15.5" X 26.5"	BWGF2-M2-V01-MO
BBW GRAPHIC FRAME 3: 1" FRAME PROFILE (GLD)	17" X 20"	12.5" X 15.5"	BWGF3-M1-V02-GLD
BBW GRAPHIC FRAME 3: 1" FRAME PROFILE (GLD)	17" X 20"	8.5" X 11.5"	BWGF3-M2-V02-GLD
BBW GRAPHIC FRAME 3: 1" FRAME PROFILE (BO)	17" X 20"	12.5" X 15.5"	BWGF3-M1-V01-BO
BBW GRAPHIC FRAME 3: 2" FRAME PROFILE (MO)	17" X 20"	9.25" X 12.25"	BWGF3-M1-V01-MO
BBW GRAPHIC FRAME 3: 2" FRAME PROFILE (MO)	17" X 20"	8.75" X 11.75"	BWGF3-M2-V01-MO
BBW GRAPHIC FRAME 4: 3" FRAME PROFILE (SVR)	39.25" X 53.75"	27.5" X 42.5"	BWGF4-M1-V02-SVR
BBW GRAPHIC FRAME 5: 2" FRAME PROFILE (MO)	24.5" X 24.5"	15.5" X 15.5"	BWGF5-M1-V01-MO

USE THE KEY BELOW TO DECIPHER THE BBW GRAPHIC FRAME ID TAGS:
BWGF#-M#-V##-C
BW - INDICATES THAT THIS GRAPHIC IS FOR BBW
GF - INDICATES ITS A GRAPHIC FRAME
- REFERS TO FRAME SIZE, MAT SIZE AND VERSION NUMBER
C - COLOR/FINISH (GLD, MO, BO, SVR, BRS)

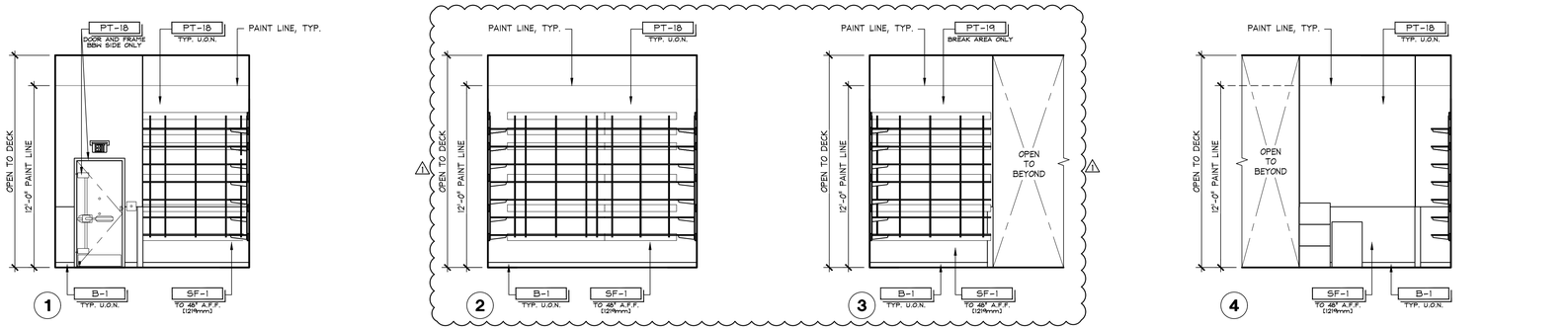
COLORS:
GLD GOLD
BO BLONDE OAK TO TOASTED OAK
MO WALNUT (PREVIOUSLY MEDIUM OAK)
SVR SILVER
BRS BRASS

DECOR LEGEND

DESCRIPTION	IDENTIFICATION TAG
BBW DECORATIVE MIRROR (23.75 X 34.75")	BWDM-V01-SVR
BBW WALL CLOCK - 13", 18"	BWWC#-V01-BRS
BBW LETTER 'B' - MEDIUM, LARGE (GLD)	BWLBX-V01-GLD
BBW FRAME LEDGE - 34", 40", 54", 58", 65", 127", 147" (BO)	BWFLE-V01-BO
DISPLAY CUBBY (TO)	DC-V01-TO
SMALL HURRICANE CANDLE HOLDER (BRS)	HCHS-V01-BRS
LARGE HURRICANE CANDLE HOLDER (BRS)	HCHL-V01-BRS
ROUND SCONCE CANDLE HOLDER (BRS)	RSCH-V02-BRS
ROUND DECORATIVE MIRROR (GLD)	RDM-V01-GLD

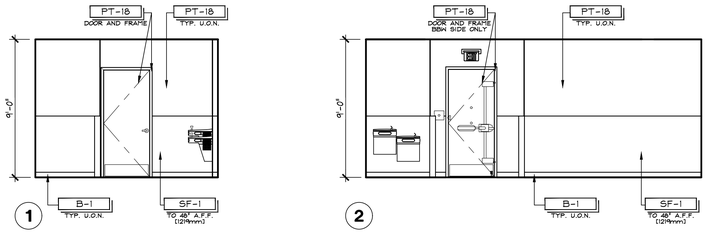
BBW GRAPHIC FRAME AND DECOR LEGEND

1/4" = 1'-0" | 42D-A072-N00-DETL | N 09.24.21



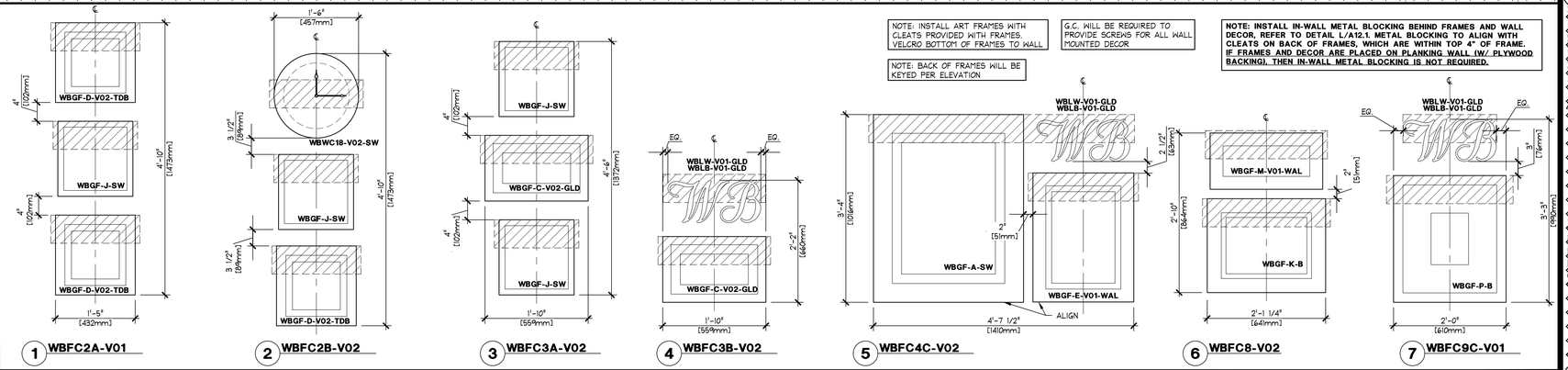
NON-SALES ELEVATIONS

1/4" = 1'-0" | - | C 09.24.21



HALLWAY ELEVATIONS

1/4" = 1'-0" | - | B 09.24.21



NOTE: INSTALL ART FRAMES WITH CLEATS PROVIDED WITH FRAMES. VELCRO BOTTOM OF FRAMES TO WALL

NOTE: BACK OF FRAMES WILL BE KEYED PER ELEVATION

G.C. WILL BE REQUIRED TO PROVIDE SCREWS FOR ALL WALL MOUNTED DECOR

NOTE: INSTALL IN-WALL METAL BLOCKING BEHIND FRAMES AND WALL DECOR, REFER TO DETAIL L/A12.1. METAL BLOCKING TO ALIGN WITH CLEATS ON BACK OF FRAMES, WHICH ARE WITHIN TOP 4" OF FRAME. IF FRAMES AND DECOR ARE PLACED ON PLANKING WALL (W/ PLYWOOD BACKING), THEN IN-WALL METAL BLOCKING IS NOT REQUIRED.

WBC FRAME COLLAGE LAYOUTS

1" = 1'-0" | 42D-A072-B00-DETL | A 04.16.20

PRCTI20221802

GF
www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

8768 REGISTERED ARCHITECT
1/4/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

SIS PKG 2
PACKAGE: 2315a.00
GENERATION: 20221012.0
A/E PROJECT #:

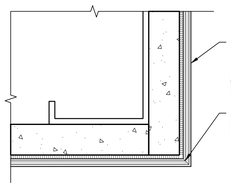
REVISIONS:

	REQUIRED BY:	DESCRIPTION	DATE
1		REV1 - FOR REVISION, DESIGN UPDATES, LL & BB COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

INTERIOR ELEVATIONS & DECOR DETAILS

DRAWING NUMBER:
A07.2



NOTES:
- MAX. PANEL SIZE IS 5'x10'
- CORNER DOES NOT HAVE TO BEND ON FULL SQUARE

DETAIL @ METAL CORNER

FULL 42D-A081-H01-DETL | H 10.12.16

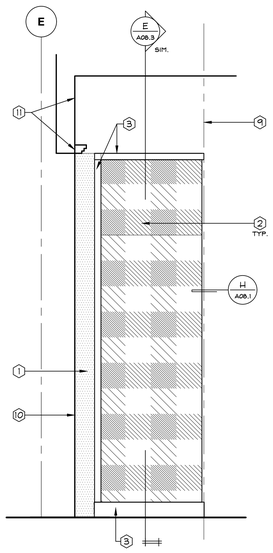
1. PREFINISHED METAL PANEL MT-13
2. 1/8" [3mm] BLUE GINGHAM ALUMINUM COMPOSITE PANEL MT-4
3. WHITE METAL TRIMS MT-13
4. (E) 45° ANGLE IN MALL BULKHEAD
5. SHORT WIDE SURFACE MOUNTED LIGHT BOX
6. (E) MALL DIFFUSER TO REMAIN
7. LINE OF SOFFIT ABOVE, SHOWN DASHED
8. SLIDING GINGHAM PANEL
9. LEASE LINE
10. (E) NEUTRAL PIER TO REMAIN. G.C. TO PATCH AND REPAIR AS REQ'D
11. (E) BULKHEAD & CORNICE TO REMAIN. G.C. TO PATCH AND REPAIR AS REQ'D
12. CENTER LINE OF SLIDING GRILLE
13. G.C. TO SEAL GAPS WITH CLEAR SILICONE (AT GLASS) - GAPS TO BE AS MINIMAL AS POSSIBLE S-15
14. 18"H, SKINNY WHITE FACE-LIT PIN MOUNTED SIGNAGE
15. LINE OF SEAM IN TRIM, FOR UNDERSIDE OF ENTRY PORTAL, SEE D/A04.1
16. LINE OF ALUMINUM GINGHAM PANEL SEAM
17. 1/2" [13mm] METAL REVEAL
18. 16"H, SKINNY WHITE FACE-LIT PIN MOUNTED SIGNAGE
19. WB GRAPHIC FRAMES/DECOR BEYOND. REFER TO A07.2 FOR MOUNTING HEIGHT
20. (E) FIRE HOSE CABINET TO REMAIN
21. (E) CORRIDOR DOORS TO REMAIN, N.I.C.
22. 1/2" [13mm] CLEAR TEMPERED GLASS G-4

STOREFRONT PLAN & ELEVATION KEYNOTES

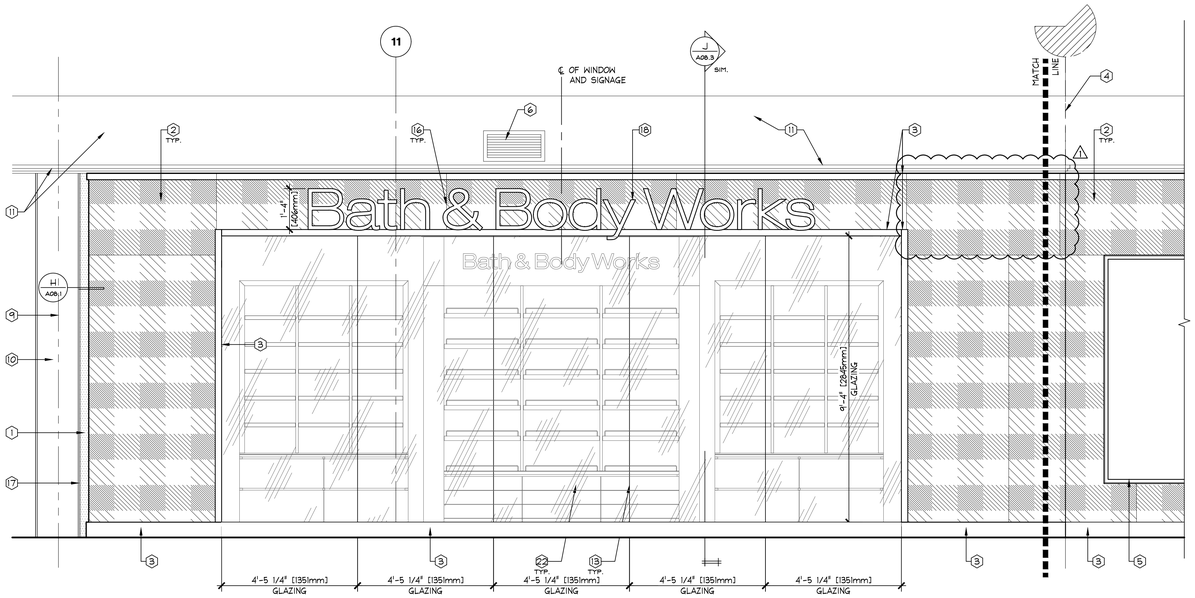
FULL 42L-A083-D01-LEGD | D 02.24.10

STOREFRONT SIGNAGE TO BE SUBMITTED UNDER SEPARATE COVER

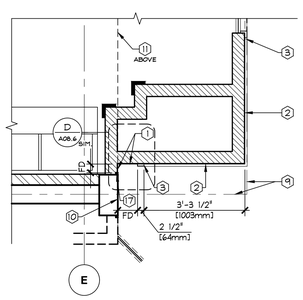
SEE A08.1d-f FOR GINGHAM PANEL LAYOUT



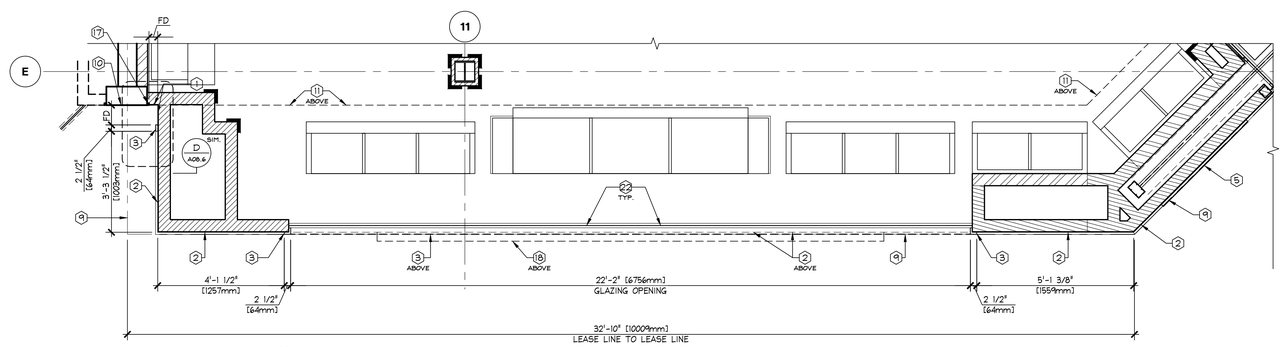
3 STOREFRONT SIDE ELEVATION
LEFT



1 STOREFRONT ELEVATION
DISPLAY WINDOW 1



4 STOREFRONT PLAN (SIDE)
LEFT



2 STOREFRONT PLAN
DISPLAY WINDOW 1

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

PRCTI20221802

STOREFRONT PLAN & ELEVATION- DISPLAY WINDOW 1

1/2" = 1'-0" 42E-A081-A08-ELEV | A 09.24.21

GF
www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450
8768 REGISTERED ARCHITECT 1/9/2023 DOUGLAS S. COUPER STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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104.01.0737.01

PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 231So.00
A/E PROJECT #: 20221012.0

REVISIONS:

	REQUIRED BY:		DATE:
1	REVI - PCW REVISION, DESIGN UPDATES, LL & BD COMMENTS		12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: PC
CHECKED BY: PV

STOREFRONT ELEVATION

DRAWING NUMBER:
A08.1a

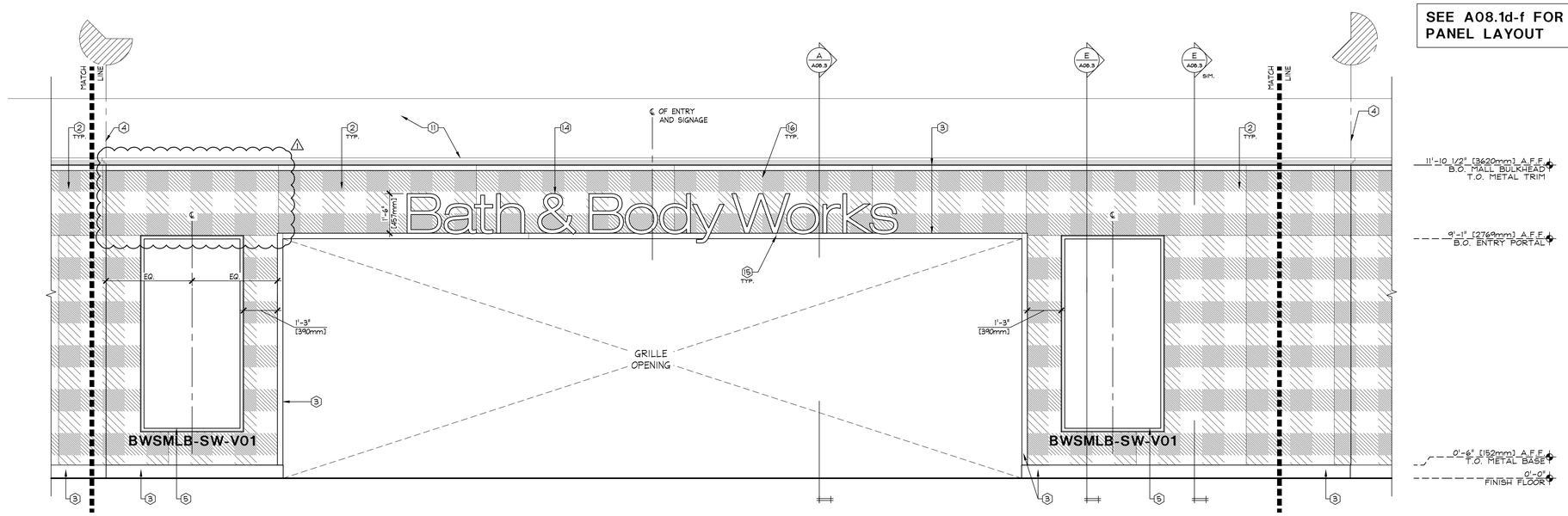
1. PREFINISHED METAL PANEL MT-13
2. 1/8" [3mm] BLUE GINGHAM ALUMINUM COMPOSITE PANEL MT-4
3. WHITE METAL TRIMS MT-13
4. (E) 45° ANGLE IN MALL BULKHEAD
5. SHORT WIDE SURFACE MOUNTED LIGHT BOX
6. (E) MALL DIFFUSER TO REMAIN
7. LINE OF SOFFIT ABOVE, SHOWN DASHED
8. SLIDING GINGHAM PANEL
9. LEASE LINE
10. (E) NEUTRAL PIER TO REMAIN. G.C. TO PATCH AND REPAIR AS REQ'D
11. (E) BULKHEAD & CORNICE TO REMAIN. G.C. TO PATCH AND REPAIR AS REQ'D
12. CENTER LINE OF SLIDING GRILLE
13. G.C. TO SEAL GAPS WITH CLEAR SILICONE (AT GLASS) - GAPS TO BE AS MINIMAL AS POSSIBLE G-18
14. 18"H, SKINNY WHITE FACE-LIT PIN MOUNTED SIGNAGE
15. LINE OF SEAM IN TRIM. FOR UNDERSIDE OF ENTRY PORTAL, SEE D/A04.1
16. LINE OF ALUMINUM GINGHAM PANEL SEAM
17. 1/2" [13mm] METAL REVEAL
18. 16"H, SKINNY WHITE FACE-LIT PIN MOUNTED SIGNAGE
19. WB GRAPHIC FRAMES/DECOR BEYOND. REFER TO A07.2 FOR MOUNTING HEIGHT
20. (E) FIRE HOSE CABINET TO REMAIN
21. (E) CORRIDOR DOORS TO REMAIN, N.I.C.
22. 1/2" [13mm] CLEAR TEMPERED GLASS G-4

STOREFRONT PLAN & ELEVATION KEYNOTES

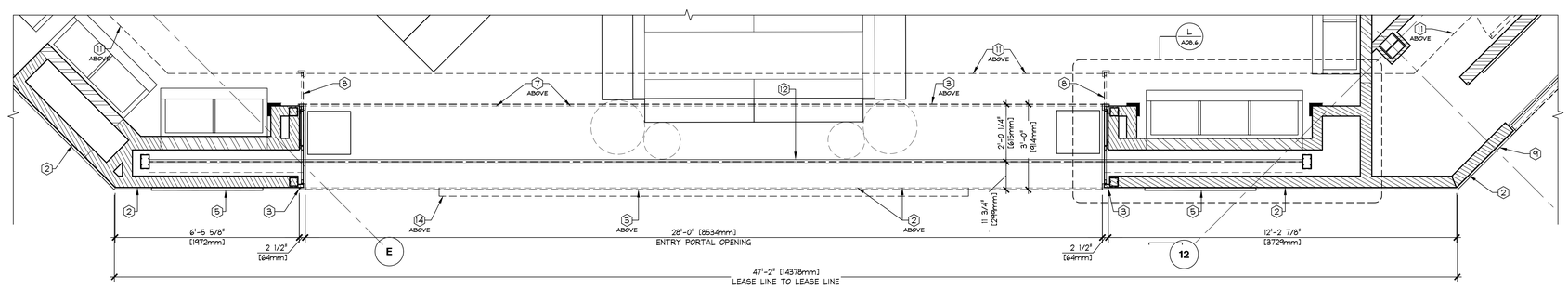
FULL
42L-A083-D01-LEGD
D 02.24.10

STOREFRONT SIGNAGE TO BE SUBMITTED UNDER SEPARATE COVER

SEE A08.1d-f FOR GINGHAM PANEL LAYOUT



1 STOREFRONT ELEVATION
MAIN ENTRY



2 STOREFRONT PLAN
MAIN ENTRY

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

PRCTI20221802

STOREFRONT PLAN & ELEVATION- MAIN ENTRY

1/2" = 1'-0"
42E-A081-A08-ELEV
A 08.24.21

www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

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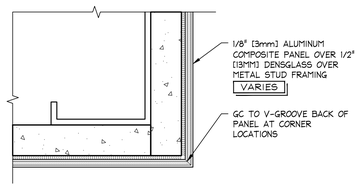
PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373
SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082
PACKAGE: SIS PKG 2
GENERATION: 2315a.00
A/E PROJECT #: 20221012.0

REVISIONS:
1 REQUIRED BY: REV1 - PDR REVISION, DESIGN UPDATES, LL & BD COMMENTS DATE: 12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: PC
CHECKED BY: PV

STOREFRONT ELEVATION

DRAWING NUMBER:
A08.1b



NOTES:
- MAX. PANEL SIZE IS 5'x10'
- CORNER DOES NOT HAVE TO BEND ON FULL SQUARE

DETAIL @ METAL CORNER | FULL | 42D-A081-H01-DETL | H | 10.12.16

1. PREFINISHED METAL PANEL MT-13
2. 1/8" [3mm] BLUE GINGHAM ALUMINUM COMPOSITE PANEL MT-4
3. WHITE METAL TRIMS MT-13
4. (E) 45° ANGLE IN MALL BULKHEAD
5. SHORT WIDE SURFACE MOUNTED LIGHT BOX
6. (E) MALL DIFFUSER TO REMAIN
7. LINE OF SOFFIT ABOVE, SHOWN DASHED
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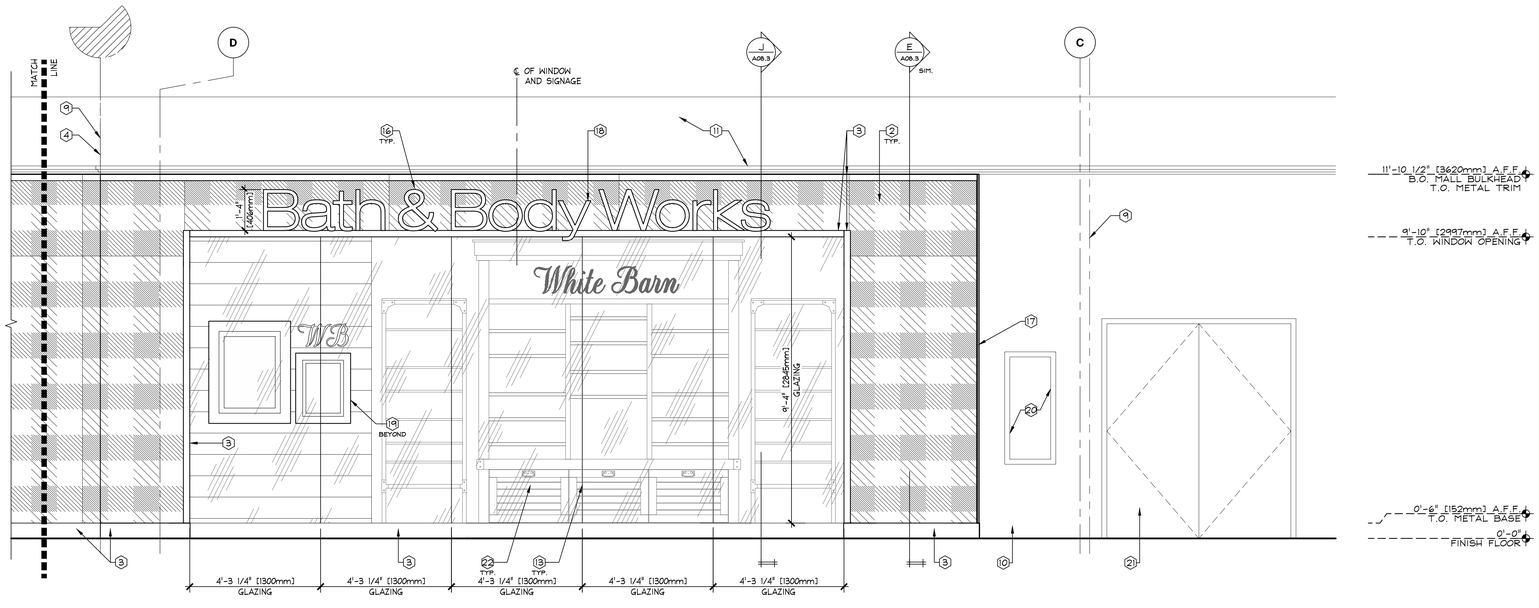
12. CENTER LINE OF SLIDING GRILLE
13. G.C. TO SEAL GAPS WITH CLEAR SILICONE (AT GLASS) - GAPS TO BE AS MINIMAL AS POSSIBLE S-15
14. 18"H, SKINNY WHITE FACE-LIT PIN MOUNTED SIGNAGE
15. LINE OF SEAM IN TRIM. FOR UNDERSIDE OF ENTRY PORTAL, SEE D/A04.1
16. LINE OF ALUMINUM GINGHAM PANEL SEAM
17. 1/2" [13mm] METAL REVEAL
18. 16"H, SKINNY WHITE FACE-LIT PIN MOUNTED SIGNAGE
19. WB GRAPHIC FRAMES/DECOR BEYOND. REFER TO A07.2 FOR MOUNTING HEIGHT
20. (E) FIRE HOSE CABINET TO REMAIN
21. (E) CORRIDOR DOORS TO REMAIN, N.I.C.
22. 1/2" [13mm] CLEAR TEMPERED GLASS G-4

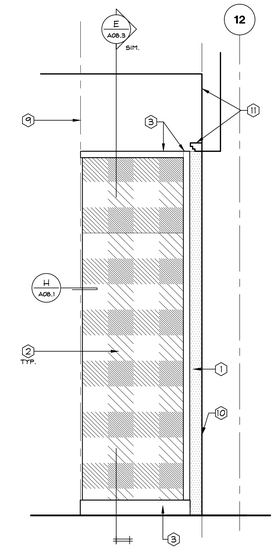
STOREFRONT PLAN & ELEVATION KEYNOTES | FULL | 42L-A083-D01-LEGD | D | 02.24.10

SEE A08.1d-f FOR GINGHAM PANEL LAYOUT

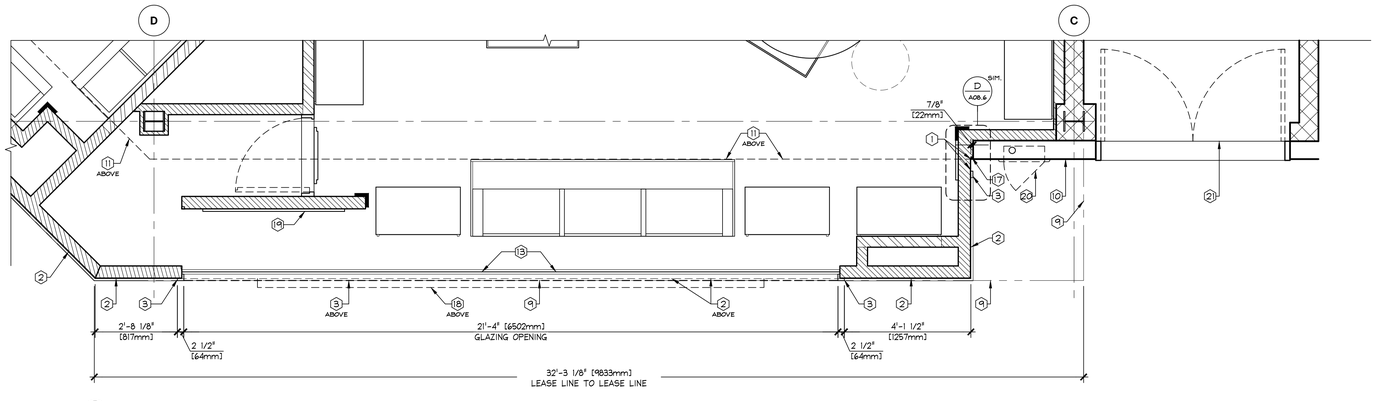
STOREFRONT SIGNAGE TO BE SUBMITTED UNDER SEPARATE COVER



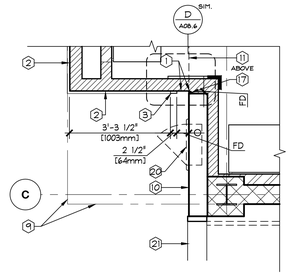
1 STOREFRONT ELEVATION
DISPLAY WINDOW 2



3 STOREFRONT SIDE ELEVATION
RIGHT



2 STOREFRONT PLAN
DISPLAY WINDOW 2



4 STOREFRONT PLAN (SIDE)
RIGHT

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

PRCTI20221802

STOREFRONT PLAN & ELEVATION- DISPLAY WINDOW 2 | 1/2" = 1'-0" | 42E-A081-A08-ELEV | A | 09.24.21

GF
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30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450
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Three Limited Parkway · Columbus, Ohio 43230
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104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082

PACKAGE: SJS PKG 2
GENERATION: 2315a.00
A/E PROJECT #: 20221012.0

PROJECT INFORMATION:

REVISIONS:

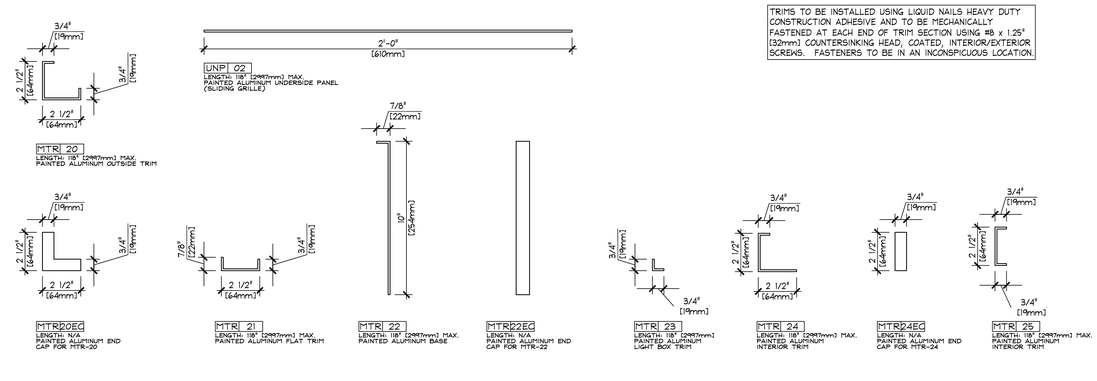
	DESCRIPTION:	DATE
1	REV1 - PDR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: PC
CHECKED BY: PV

STOREFRONT ELEVATION

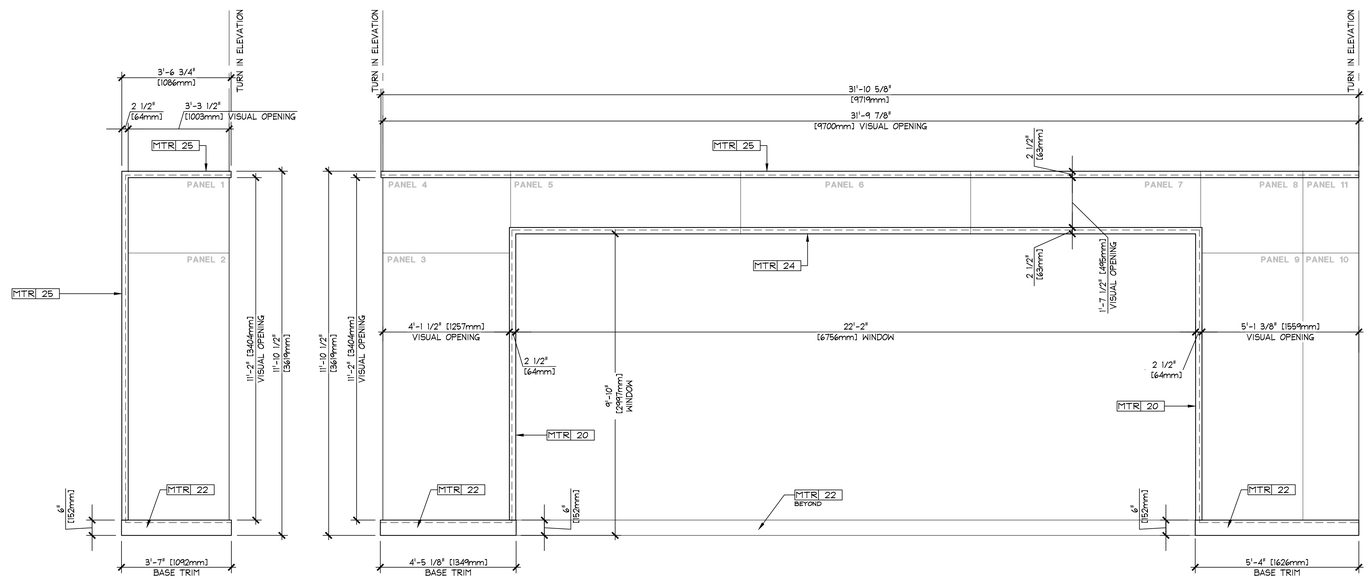
DRAWING NUMBER:
A08.1c

TRIMS TO BE INSTALLED USING LIQUID NAILS HEAVY DUTY CONSTRUCTION ADHESIVE AND TO BE MECHANICALLY FASTENED AT EACH END OF TRIM SECTION USING #8 x 1.25" [32mm] COUNTERSINKING HEAD, COATED, INTERIOR/EXTERIOR SCREWS. FASTENERS TO BE IN AN INCONSPICUOUS LOCATION.



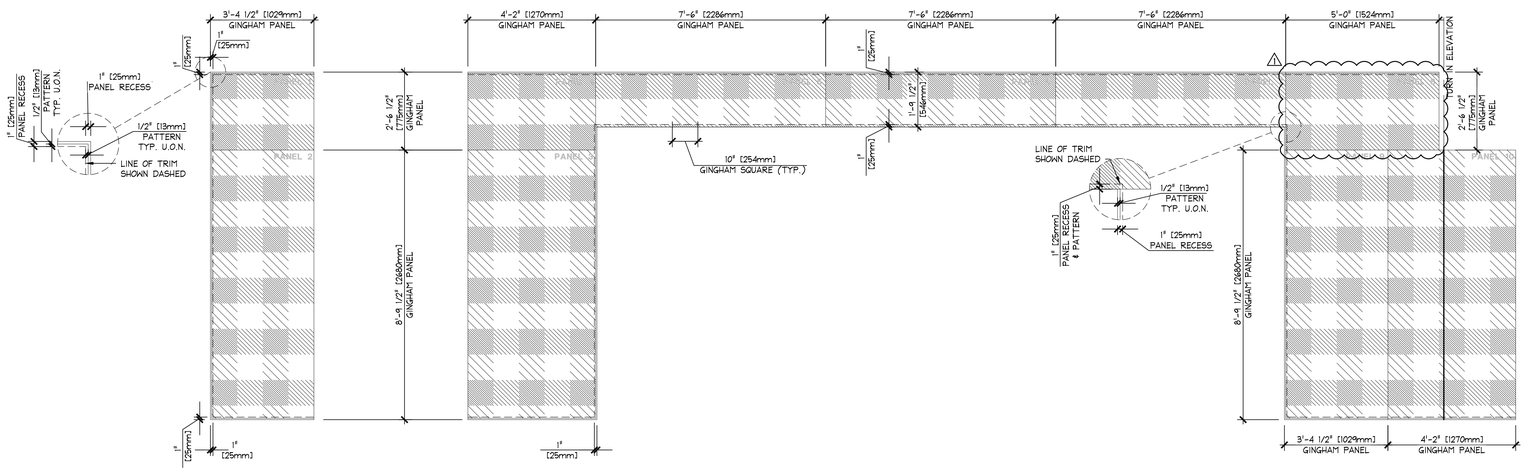
STOREFRONT TRIM PROFILE DETAILS

3" = 1'-0"
42D-A101-L00-DETL
D
01.26.22



2 STOREFRONT TRIM LAYOUT
DISPLAY WINDOW 1 - LEFT

2 STOREFRONT TRIM LAYOUT
DISPLAY WINDOW 1



1 STOREFRONT GINGHAM PANEL LAYOUT
DISPLAY WINDOW 1 - LEFT

1 STOREFRONT GINGHAM PANEL LAYOUT
DISPLAY WINDOW 1

STOREFRONT GINGHAM PANEL AND TRIM LAYOUT- DISPLAY WINDOW 1

1/2" = 1'-0"
42E-A081-A00-ELEV
A
01.26.22

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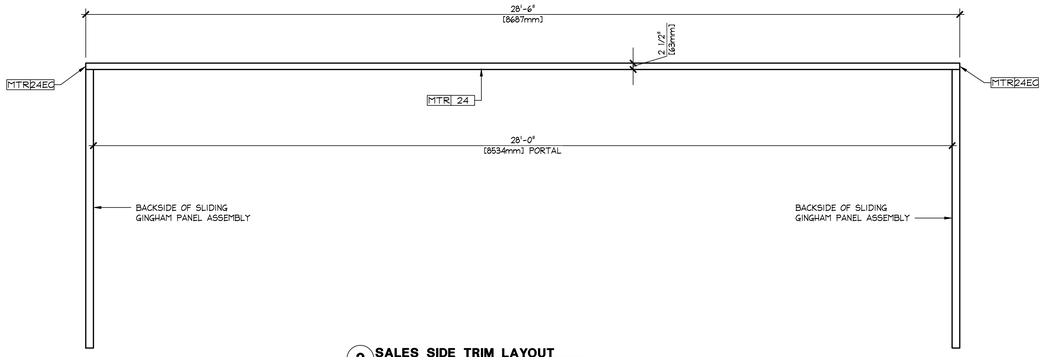
PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373
SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/MBC 2021
BBWI PROJECT #: 00116082
PACKAGE: SIS PKG 2
GENERATION: 2315c.00
A/E PROJECT #: 20221012.0

REVISIONS:
1 REQUIRED BY: REVS - PER REVISION, DESIGN UPDATES, LL & BD COMMENTS DATE: 12/23/2022

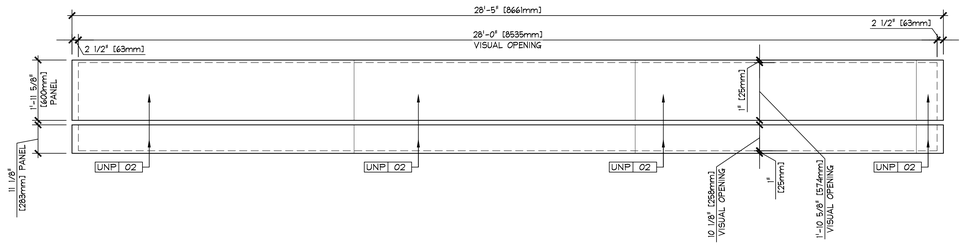
DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: PC
CHECKED BY: PV

GINGHAM PANEL & TRIM LAYOUT DIS. WINDOW 1

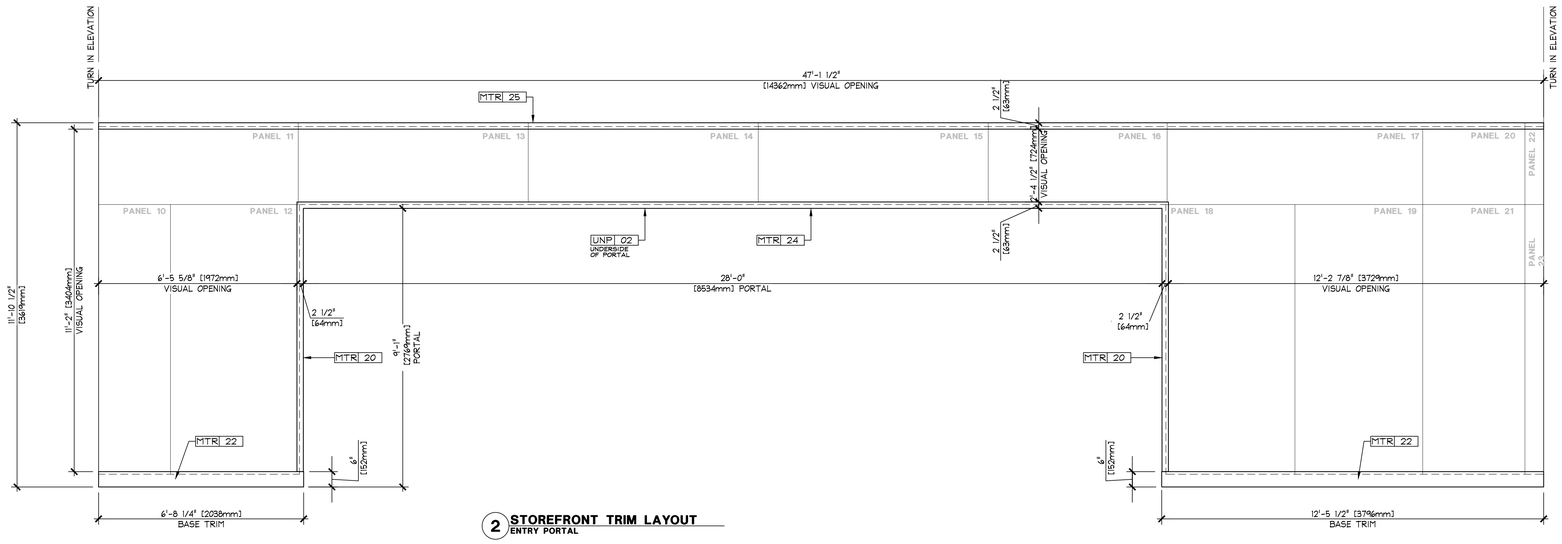
DRAWING NUMBER:
A08.1d



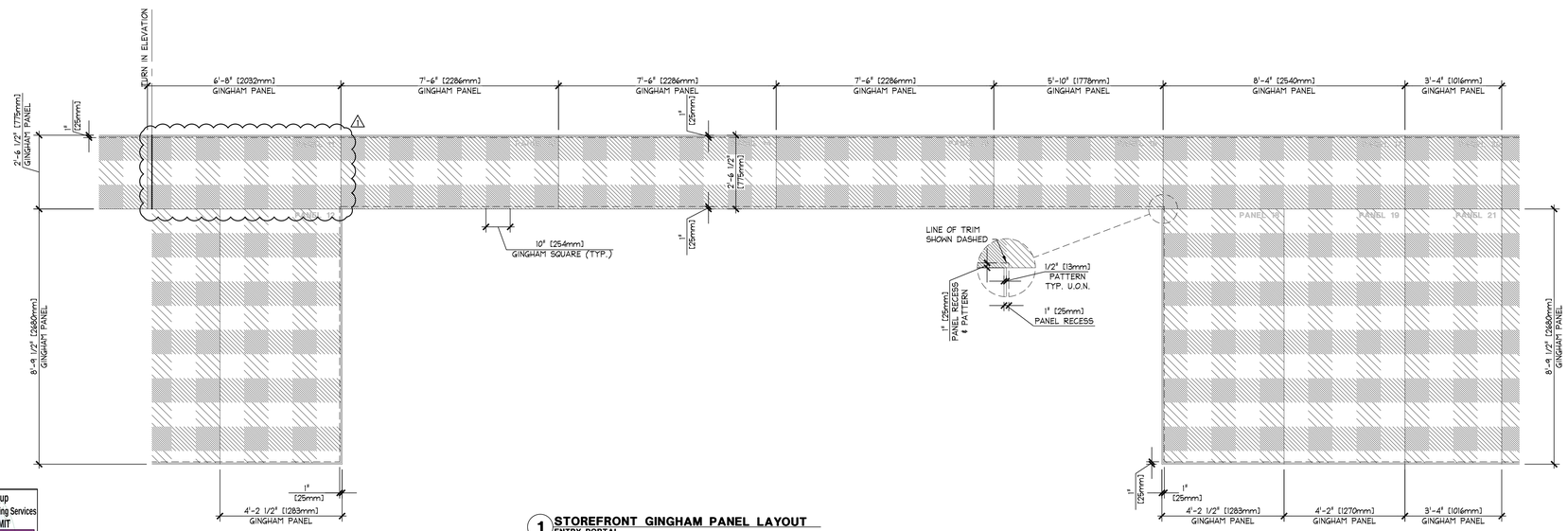
3 **SALES SIDE TRIM LAYOUT**



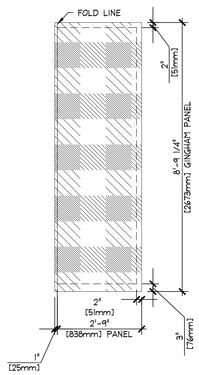
4 **UNDER-SIDE TRIM LAYOUT**
SLIDING GRILLE



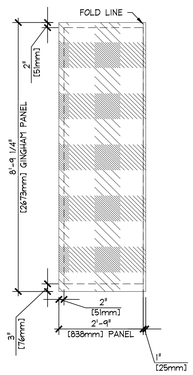
2 **STOREFRONT TRIM LAYOUT**
ENTRY PORTAL



1 **STOREFRONT GINGHAM PANEL LAYOUT**
ENTRY PORTAL



BWSMP-L-V01
SLIDING GINGHAM PANEL



BWSMP-R-V01
SLIDING GINGHAM PANEL

City of Puyallup
Development & Permitting Services
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Fire | Traffic

STOREFRONT GINGHAM PANEL AND TRIM LAYOUT - ENTRY PORTAL

PRCTI20221802

1/2" = 1'-0"
42E-A081-A00-ELEV

A
01.26.22

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1/4/2023
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STATE OF WASHINGTON

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO.: 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373
SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082
PACKAGE: SIS PKG 2
GENERATION: 231So.00
A/E PROJECT #: 20221012.0

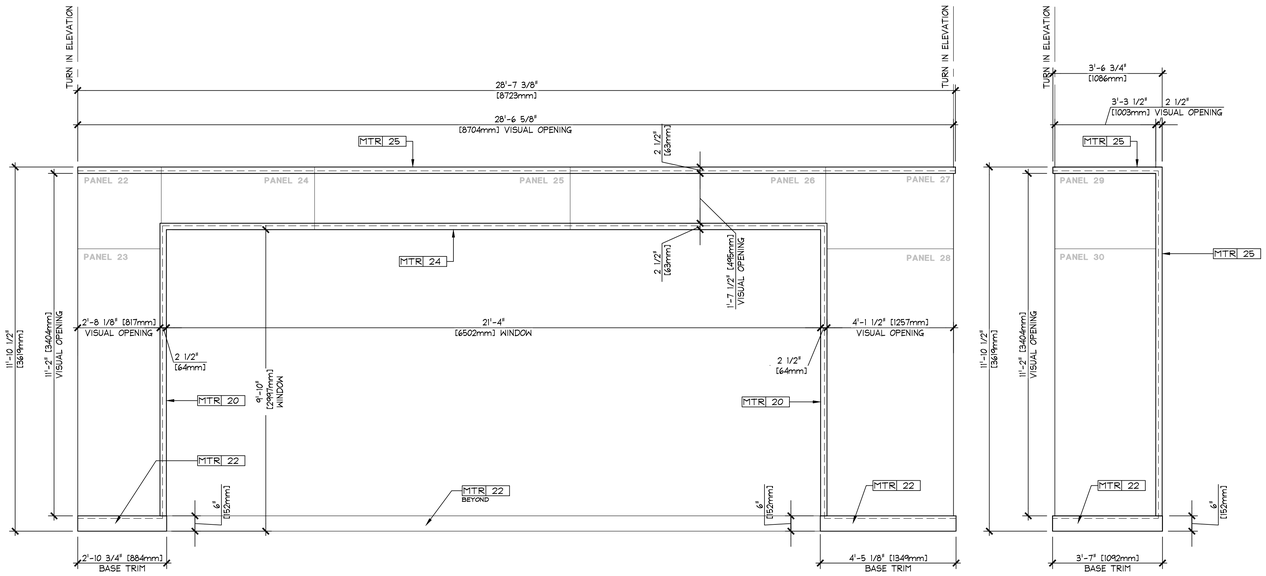
REVISIONS:

	REQUIRED BY:	DESCRIPTION	DATE
1	REV1 - PCW REVISION, DESIGN UPDATES, LL & BD COMMENTS		12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: PC
CHECKED BY: PV

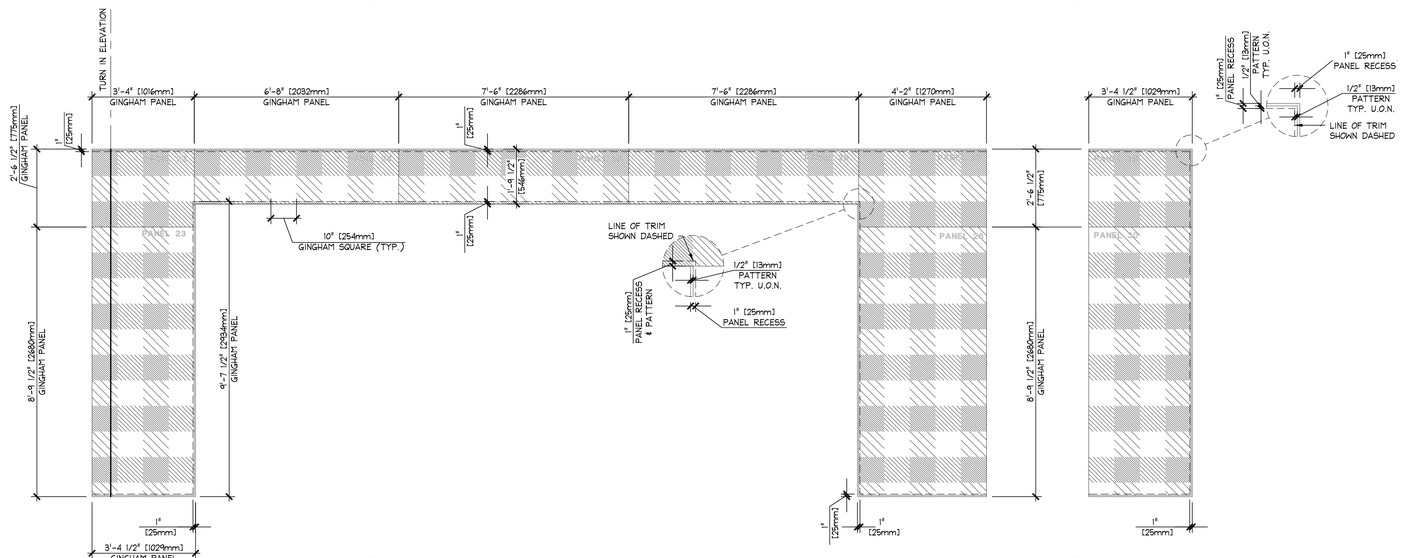
GINGHAM PANEL & TRIM LAYOUT MAIN ENTRY

DRAWING NUMBER:
A08.1e



2 **STOREFRONT GINGHAM PANEL LAYOUT**
DISPLAY WINDOW 2

2 **STOREFRONT TRIM LAYOUT**
DISPLAY WINDOW 1 - RIGHT



1 **STOREFRONT GINGHAM PANEL LAYOUT**
DISPLAY WINDOW 2

1 **STOREFRONT TRIM LAYOUT**
DISPLAY WINDOW 1 - RIGHT

City of Puyallup
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Fire | Traffic

STOREFRONT GINGHAM PANEL AND TRIM LAYOUT- DISPLAY WINDOW 2

PRCTI20221802

1/2" = 1'-0"
42E-A081-A00-ELEV

A
01.26.22

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STATE OF WASHINGTON

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PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 2315a.00
A/E PROJECT #: 20221012.0

104.01.0737.01

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - POR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: PC
CHECKED BY: PV

GINGHAM PANEL & TRIM LAYOUT DIS. WINDOW 2

DRAWING NUMBER:
A08.1f

NOTE:
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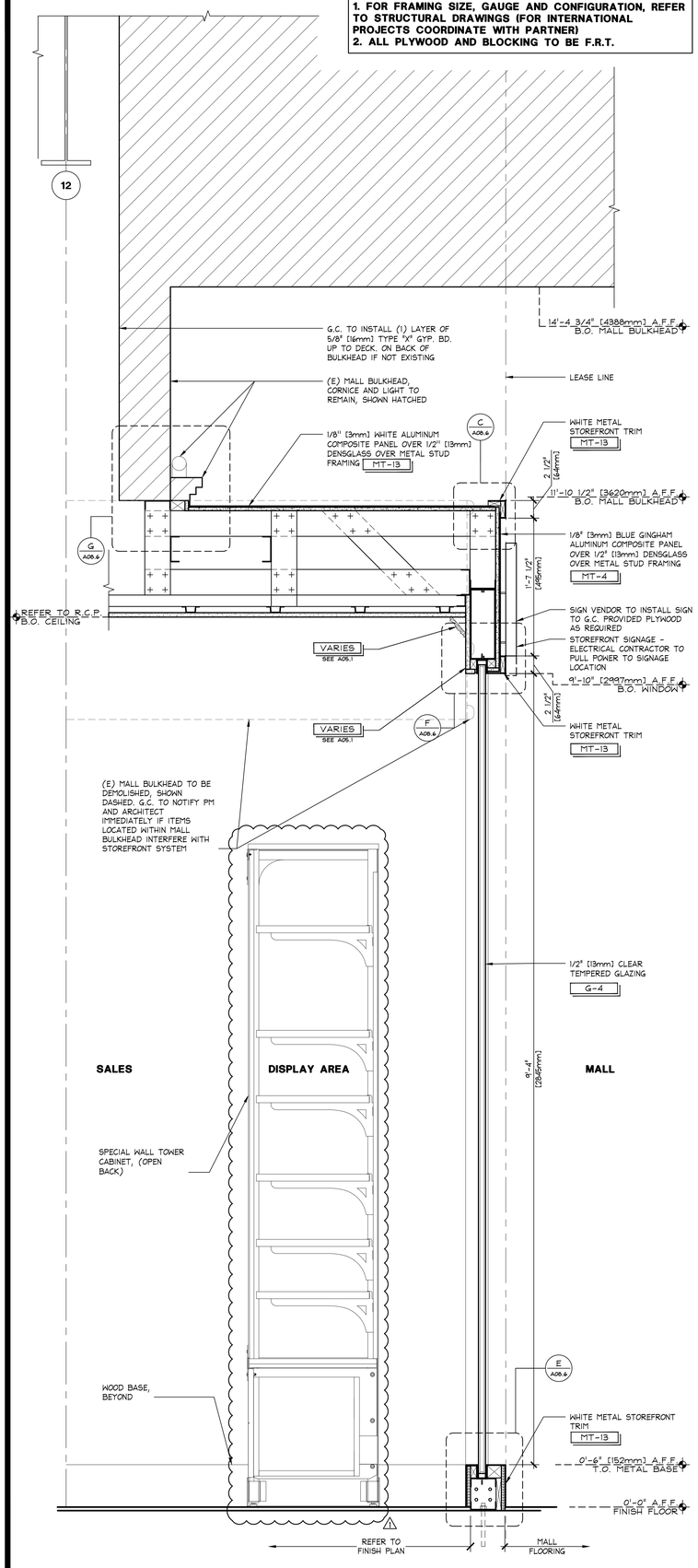

SECTION THRU DISPLAY WINDOW

1 1/2" = 1'-0"
428-A083-A00-SECT
J
09.24.21

NOTE:
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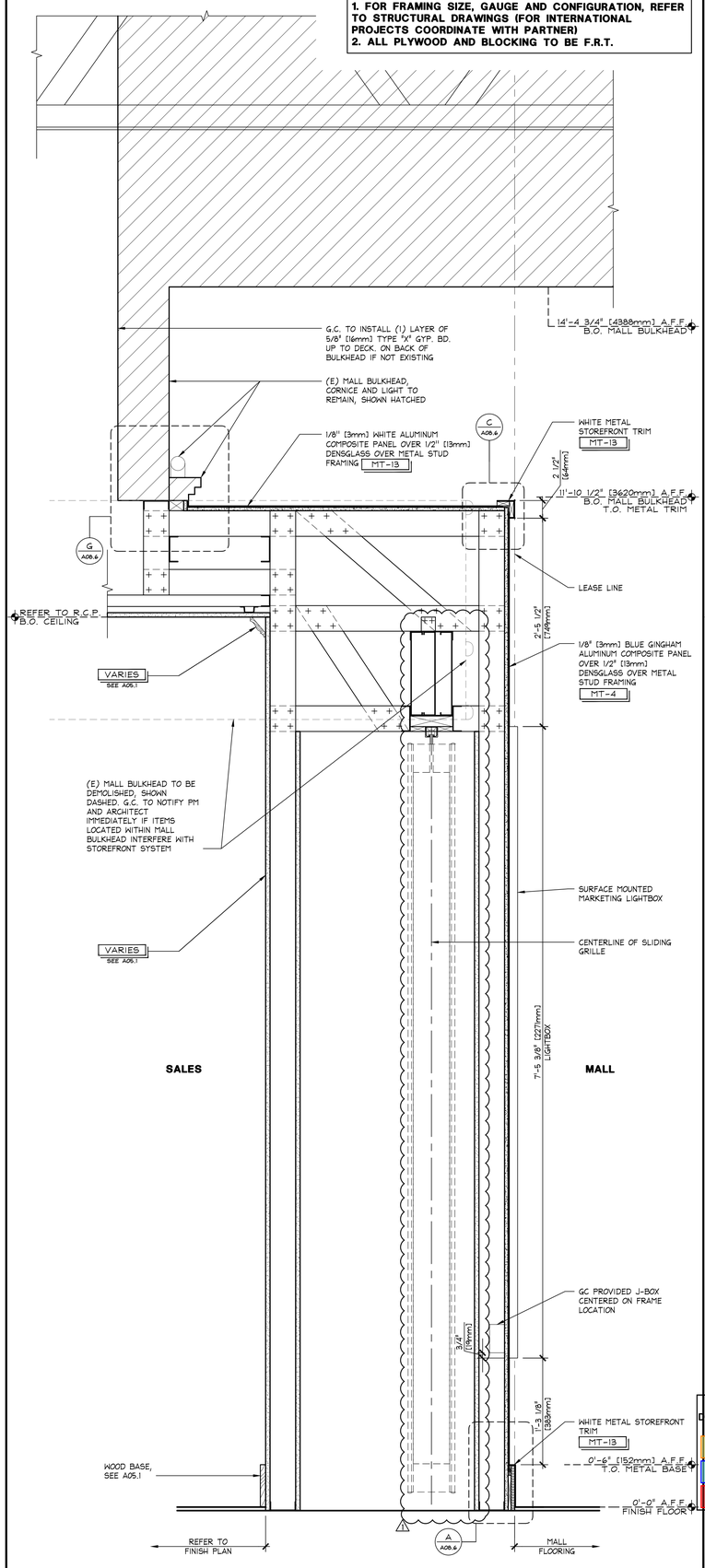

SECTION THRU METAL GINGHAM PANEL @ LIGHTBOX

1 1/2" = 1'-0"
428-A083-A00-SECT
E
09.24.21

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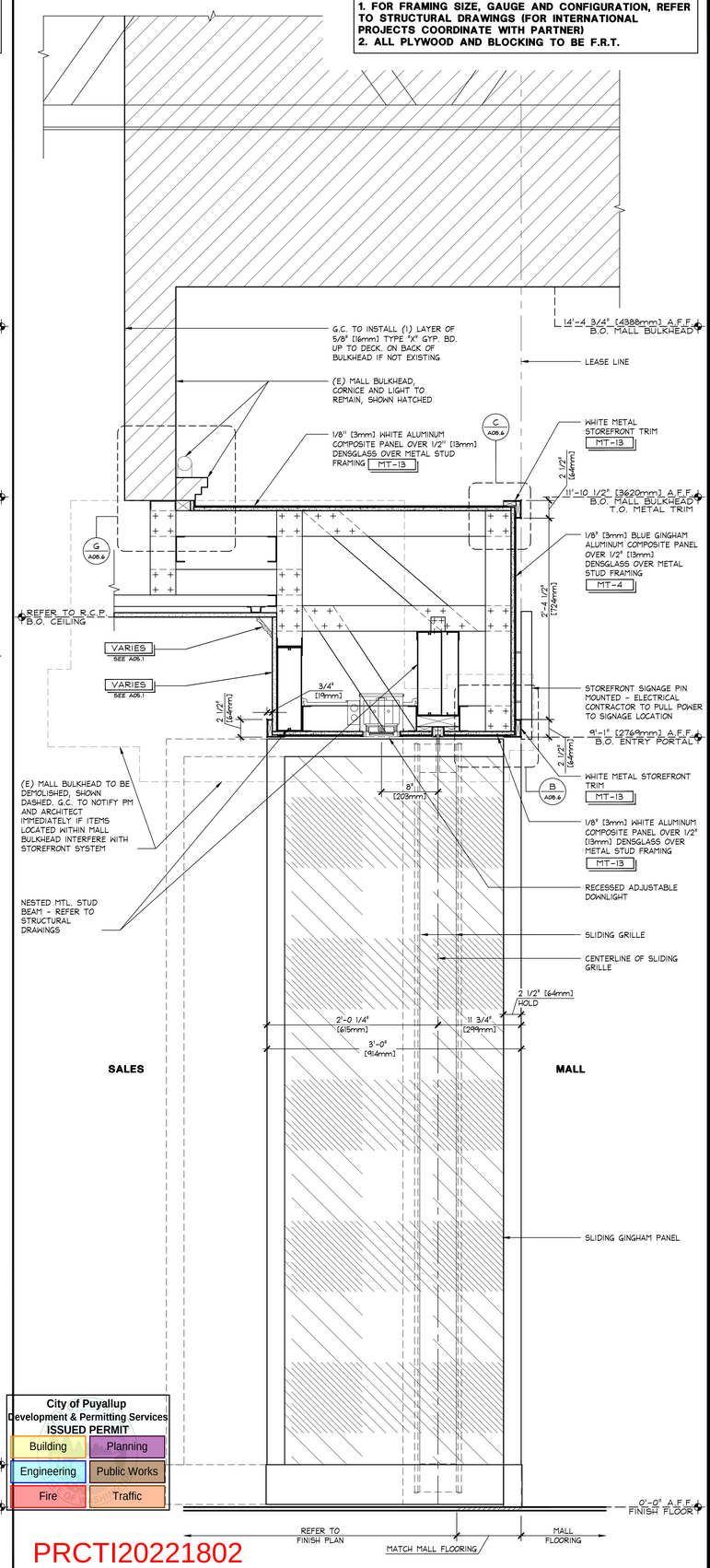

SECTION W/ SLIDING GRILLE @ ENTRY PORTAL

1 1/2" = 1'-0"
428-A083-A00-SECT
A
09.24.21

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SIS PKG 2
231So.00
20221012.0

104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

PROJECT INFORMATION:
SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082
PACKAGE:
GENERATION:
A/E PROJECT #:

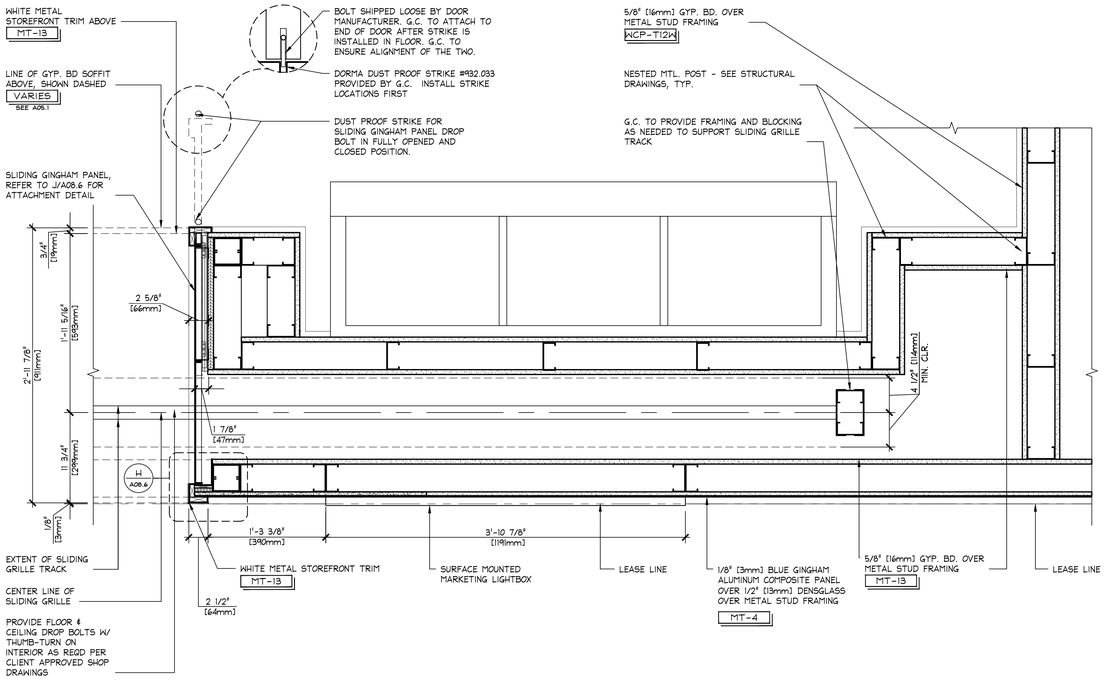
REVISIONS:

	REQUIRED BY:	DATE:
1	REVS - PCR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: PC
CHECKED BY: PV

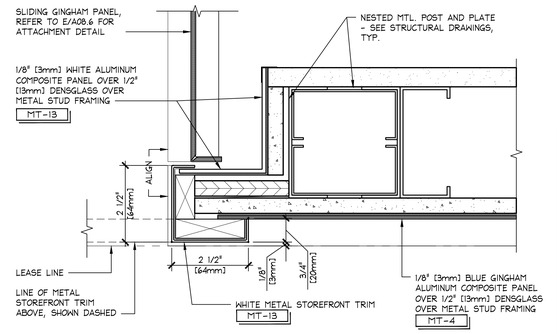
STOREFRONT SECTIONS

DRAWING NUMBER:
A08.3



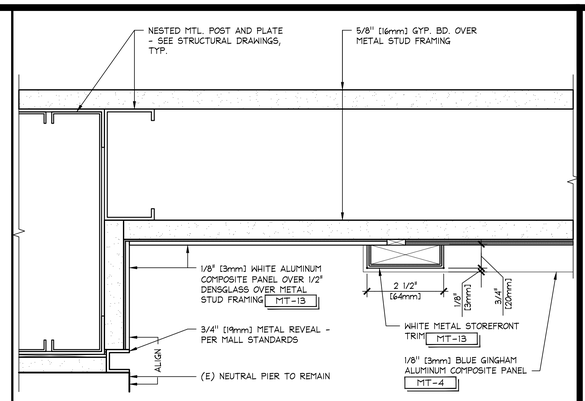
TYPE 1e ENLARGED PLAN DTL W/ SLIDING GRILLE

1 1/2" = 1'-0" | 42D-A086-L00-DETL | L | 09.24.21



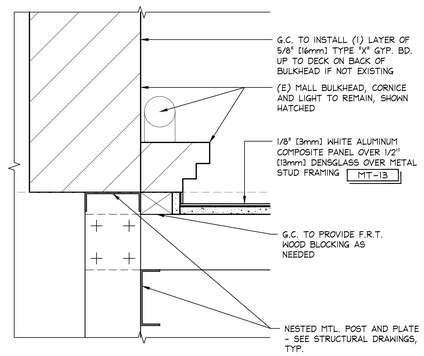
TRIM DETAIL

6" = 1'-0" | 42D-A086-G00-DETL | H | 09.24.21



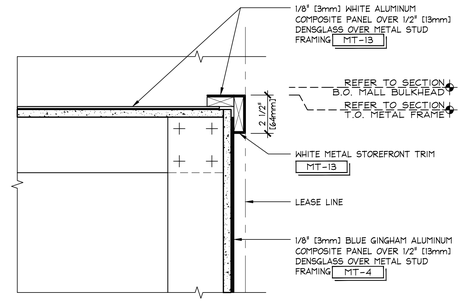
TRIM DETAIL

6" = 1'-0" | 42D-A086-G00-DETL | D | 09.24.21



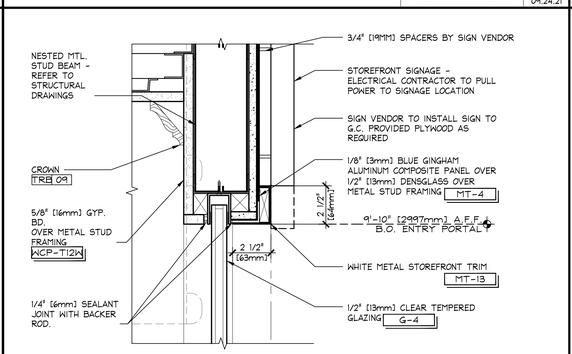
DETAIL AT BULKHEAD/ CORNICE

3" = 1'-0" | 42D-A086-B01-DETL | G | 09.24.21



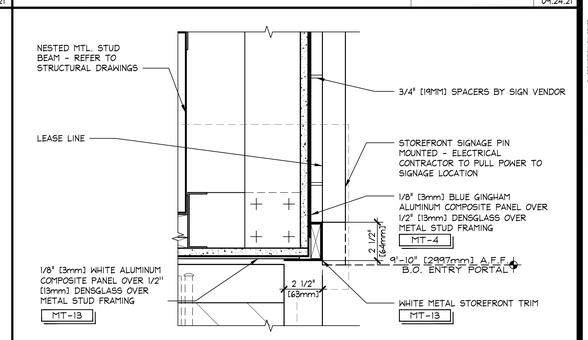
DETAIL AT T.O. STOREFRONT

3" = 1'-0" | 42D-A086-G01-DETL | C | 09.24.21



DETAIL AT T.O. WINDOW

3" = 1'-0" | 42D-A086-B01-DETL | F | 09.24.21



DETAIL AT ENTRY PORTAL

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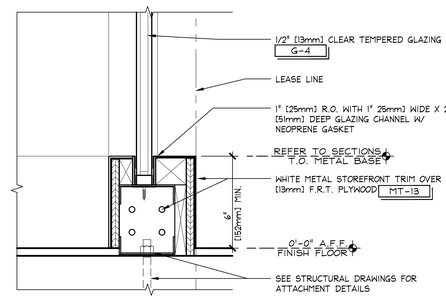
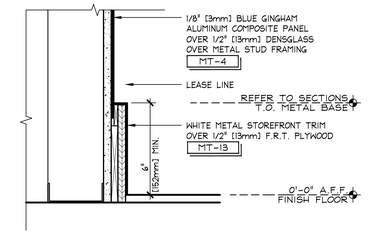


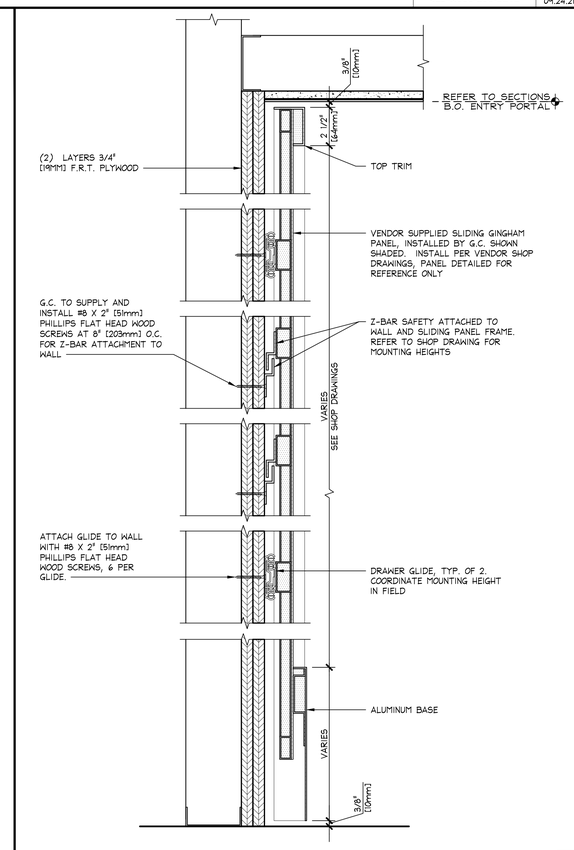
DETAIL @ WINDOW SILL

3" = 1'-0" | 42D-A086-J00-DETL | E | 09.24.21



DETAIL @ SILL

3" = 1'-0" | 42D-A086-J00-DETL | A | 09.24.21



SLIDING GINGHAM PANEL ATTACHMENT DETAIL

3" = 1'-0" | 42D-A086-E07-DETL | J | 09.24.21

City of Puyallup
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ISSUED PERMIT
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PRCTI20221802

GF
www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

8768 REGISTERED ARCHITECT
1/4/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 2315a.00
A/E PROJECT #: 20221012.0

104.01.0737.01

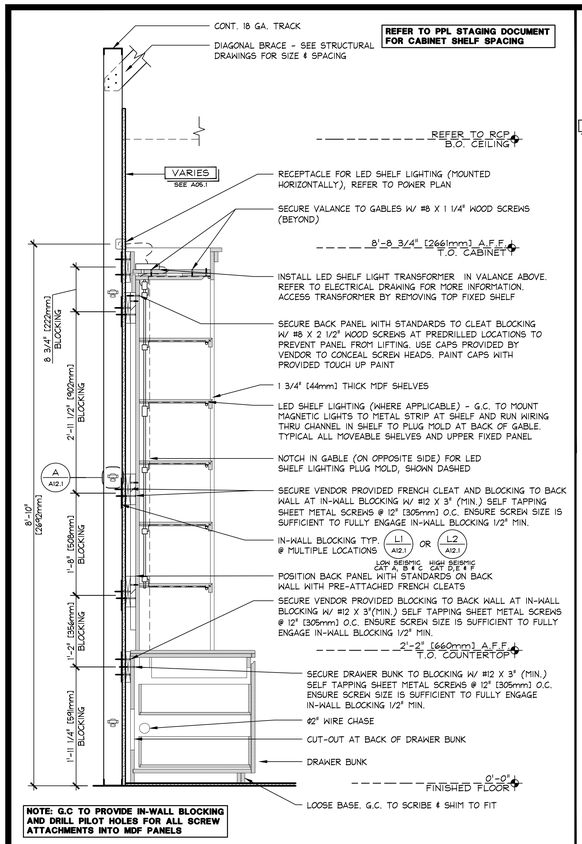
REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - FOR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

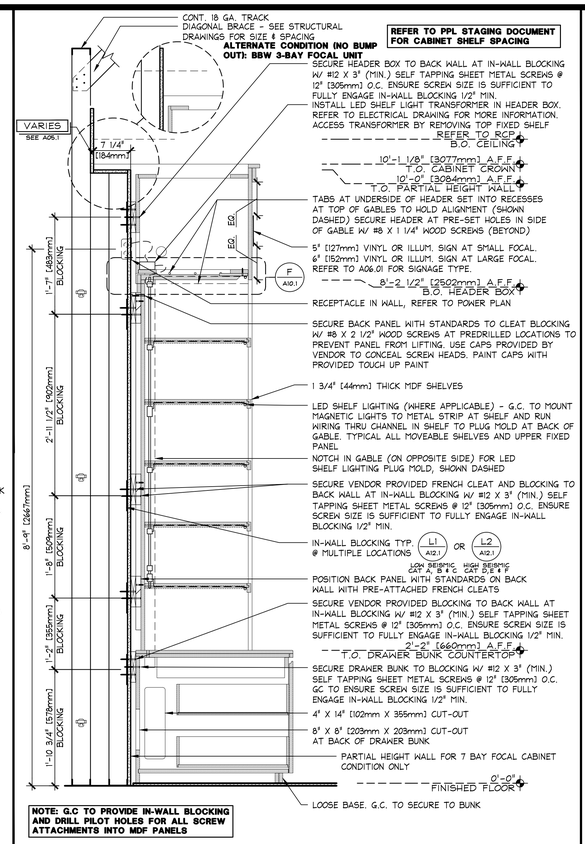
BBW INTERIOR STOREFRONT DETAILS

DRAWING NUMBER:
A08.6



SECTION @ FOCAL CABINET SIDE UNIT

1" = 1'-0" | 42B-A101-R00-SECT | R | 09.30.22

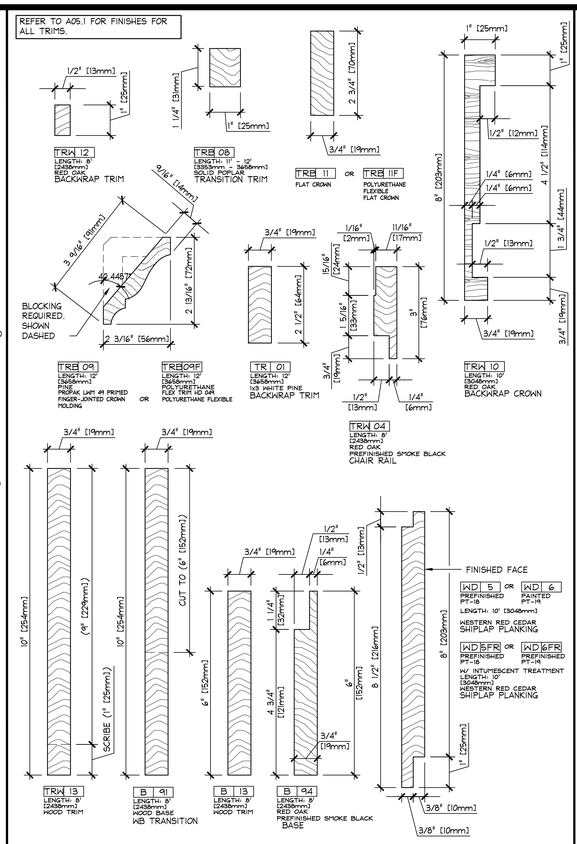


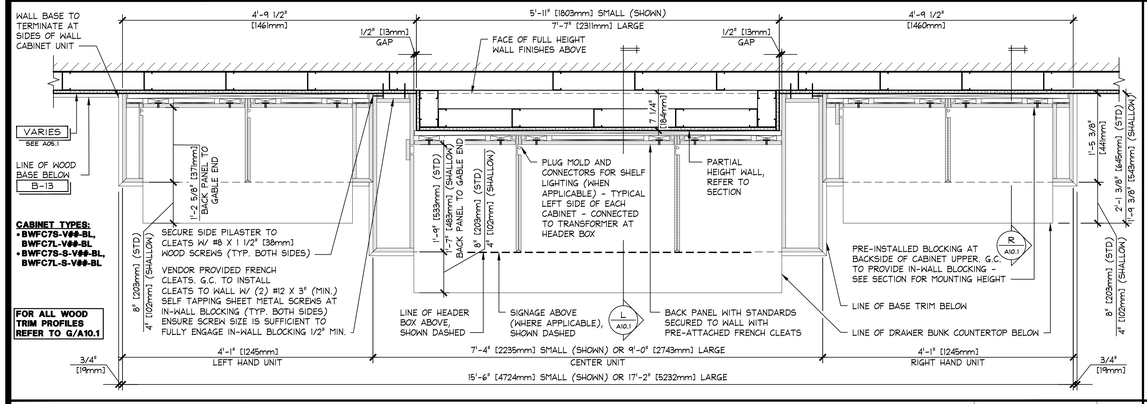
SECTION @ FOCAL CABINET CENTER UNIT

1" = 1'-0" | 42S-A101-L00-SECT | L | 09.30.22

TRIM PROFILE LEGEND

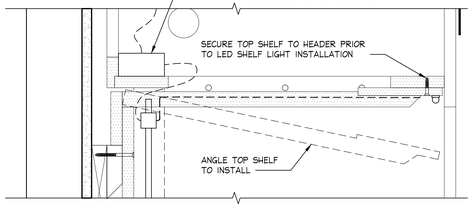
6" = 1'-0" | 42D-A101-J00-DETL | G | 09.09.22





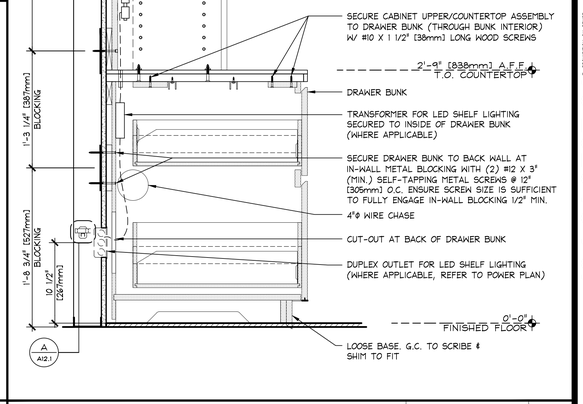
ENLARGED PLAN @ 7 BAY FOCAL CABINET

1" = 1'-0" | 42D-A101-K00-DETL | K | 09.30.22



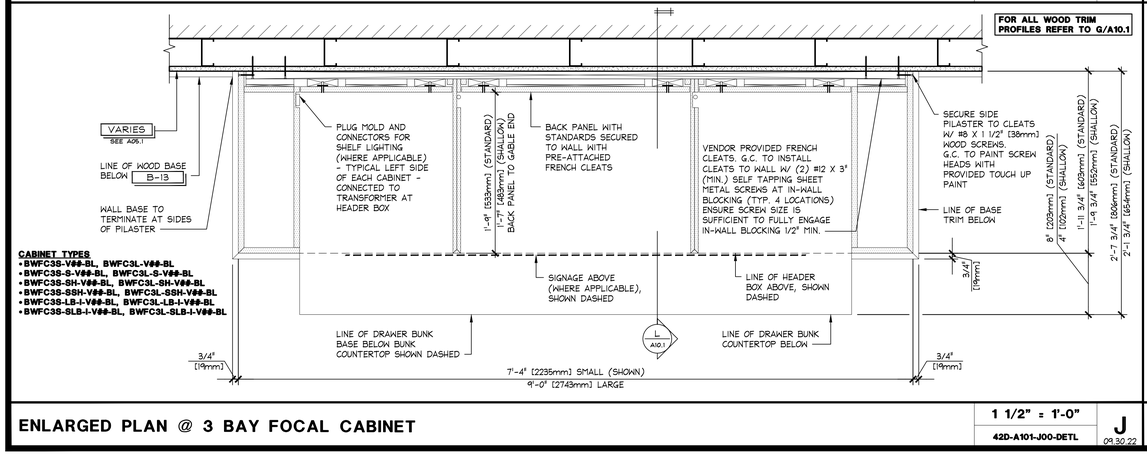
TOP SHELF INSTALLATION

3" = 1'-0" | 42D-A102-H00-DETL | F | 04.10.20



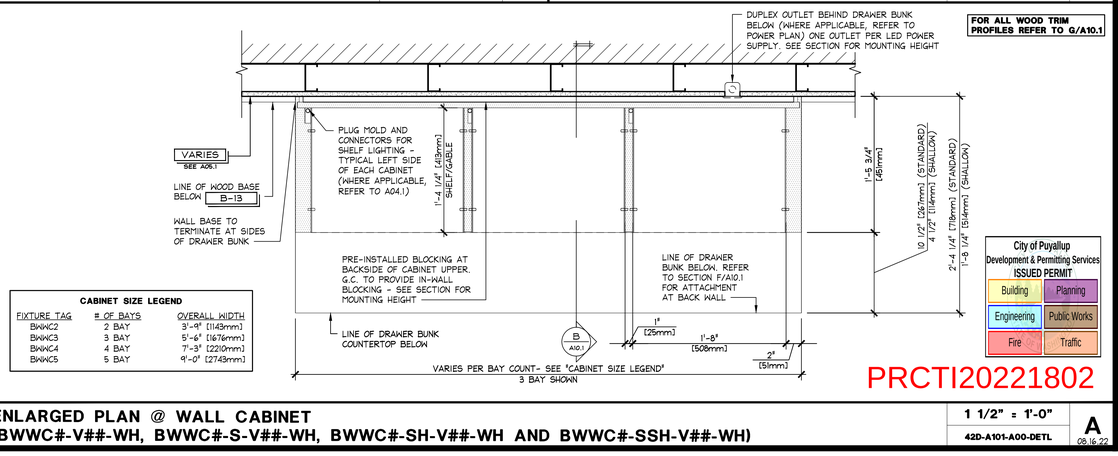
SECTION @ WALL CABINET BWWC#-V##-WH AND BWWC#-S-V##-WH

1 1/2" = 1'-0" | 42S-A101-F00-SECT | B | 09.30.22



ENLARGED PLAN @ 3 BAY FOCAL CABINET

1 1/2" = 1'-0" | 42D-A101-J00-DETL | J | 09.30.22



CABINET SIZE LEGEND

FIXTURE TAG	# OF BAYS	OVERALL WIDTH
BWWC2	2 BAY	3'-9" [1149mm]
BWWC3	3 BAY	5'-6" [1676mm]
BWWC4	4 BAY	7'-3" [2210mm]
BWWC5	5 BAY	9'-0" [2743mm]

PRCTI20221802

ENLARGED PLAN @ WALL CABINET (BWWC#-V##-WH, BWWC#-S-V##-WH, BWWC#-SH-V##-WH AND BWWC#-SSH-V##-WH)

1 1/2" = 1'-0" | 42D-A101-A00-DETL | A | 08.16.22

GF
www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450
8768 REGISTERED ARCHITECT 1/9/2023 DOUGLAS S. COUPER STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
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SIS PKG 2
2311S0.00
2022I012.0

PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL | PACKAGE:
DESIGN TYPE: BBW ES/WBC 2021 | GENERATION:
BBWI PROJECT #: 00116082 | A/E PROJECT #:

REVISIONS:

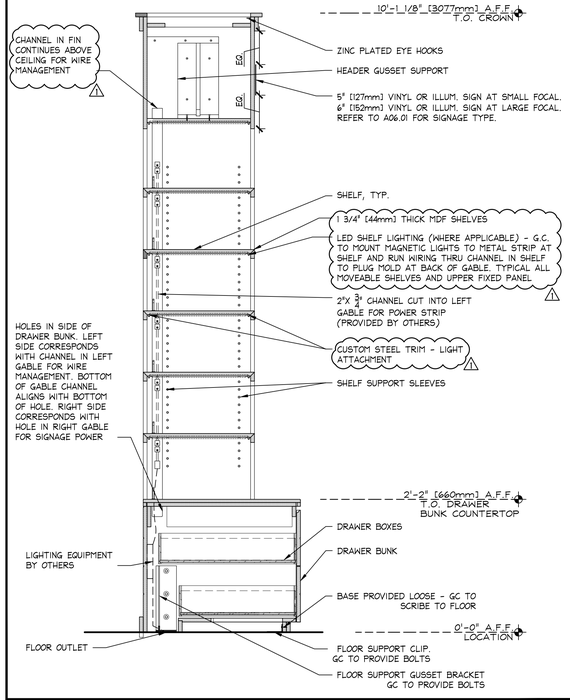
	REQUIRED BY:	DESCRIPTION	DATE
1	REV1 - PER REVISION, DESIGN UPDATES, LL & BD COMMENTS		12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

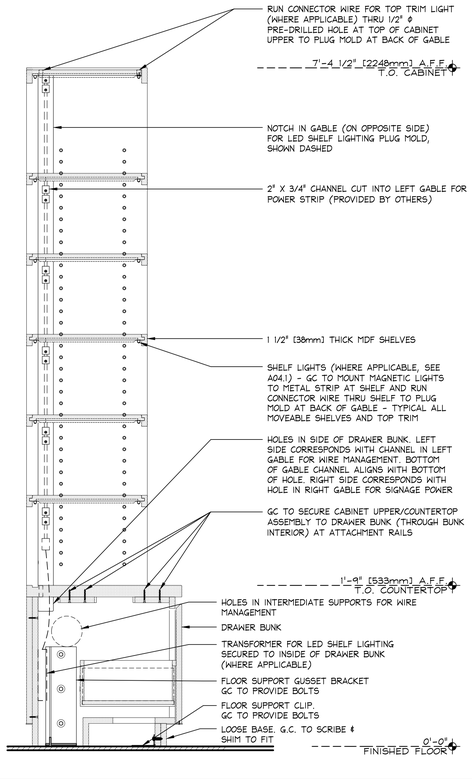
BBW PERIMETER CABINETRY DETAILS

DRAWING NUMBER:
A10.1

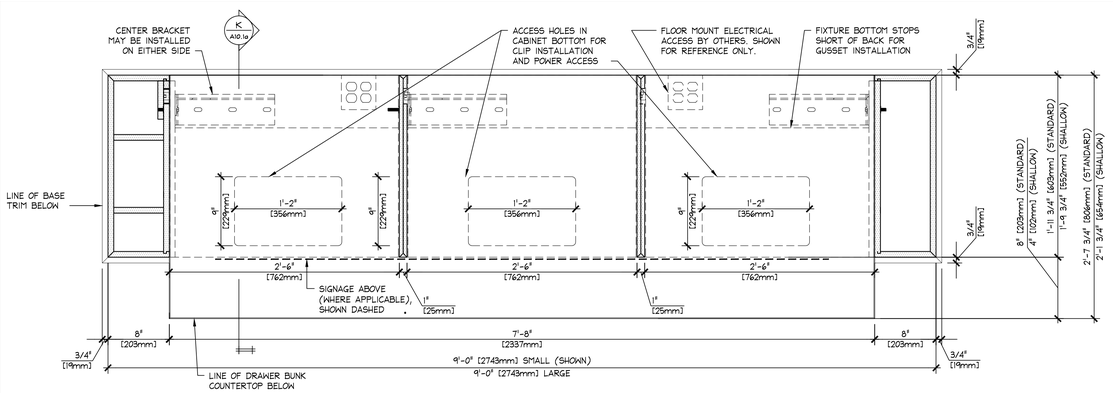


SECTION @ FREESTANDING FOCAL (BWFC3L-FSS-V01-BL-SPL) — 1" = 1'-0" — K — 07.10.18

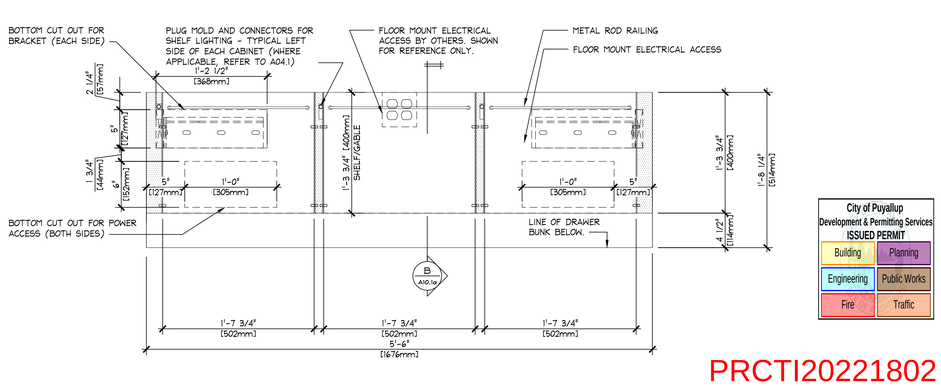
•428-A102-100-SECT-1



SECTION @ FREESTANDING CABINET (SHORT & SHALLOW-SHORT) — 1 1/2" = 1'-0" — B — 09.30.22



ENLARGED PLAN @ 3 BAY FOCAL CABINET (FREESTANDING) (BWFC3L-FSS-V01-BL-SPL) — 1 1/2" = 1'-0" — J — 09.30.22



City of Puyallup
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PRCTI20221802

ENLARGED PLAN @ FREESTANDING CABINET - (BWWC3-FSS-V01-WH-SPL) — 1 1/2" = 1'-0" — A — 09.22.22

www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

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1/9/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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104.01.0737.01

PROJECT INFORMATION:

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 2315a.00
A/E PROJECT #: 20221012.0

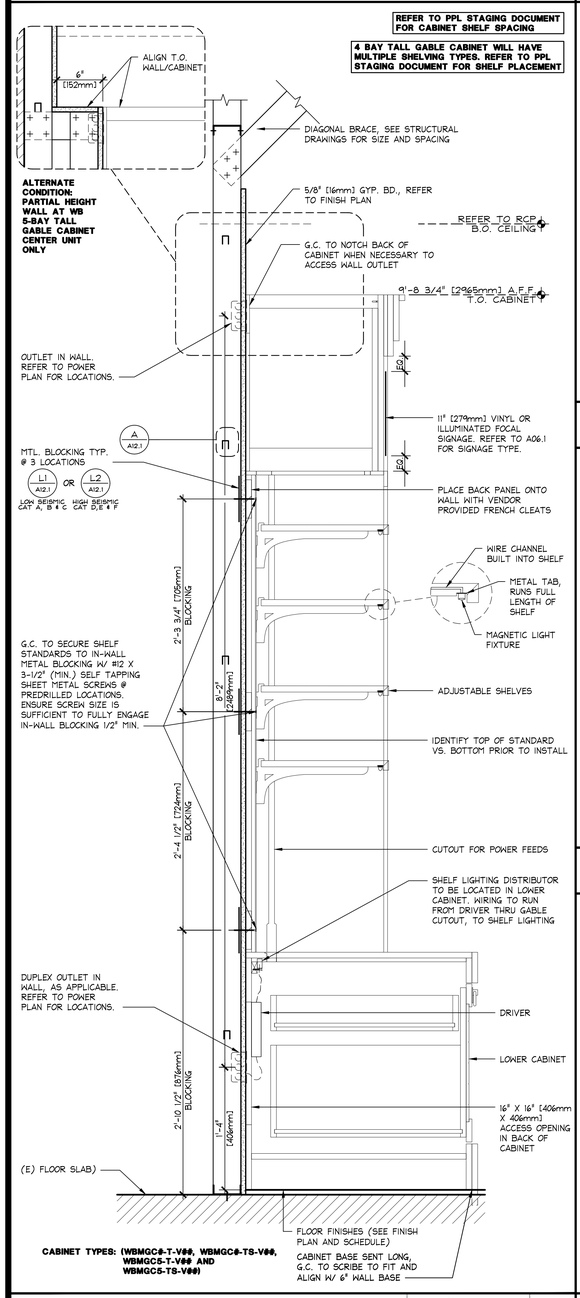
REVISIONS:

	REQUIRED BY:	DATE:
1	REV1 - PDR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

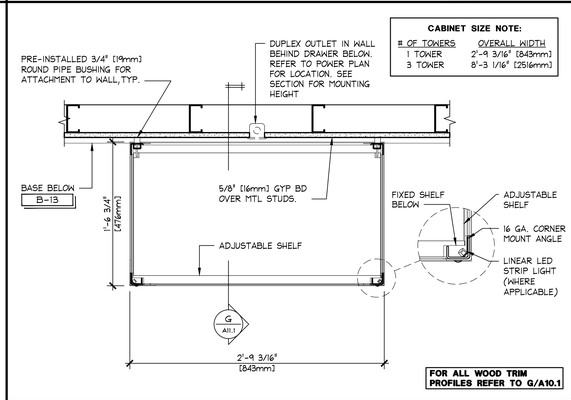
BBW FREESTANDING CABINETRY DETAILS

DRAWING NUMBER:
A10.1a



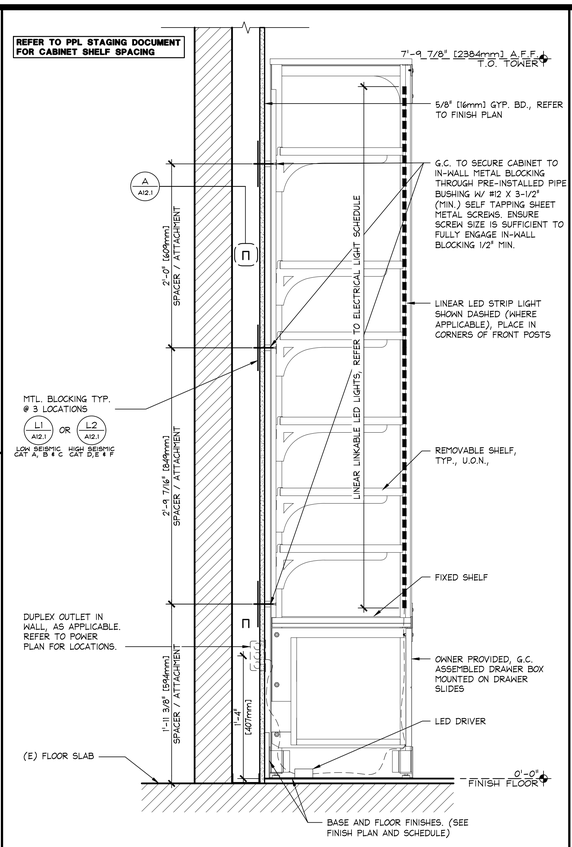
TALL MODIFIED GABLED CABINET SECTION

1 1/2" = 1'-0" | 42D-A111-N01-DETL | N | 09.30.22



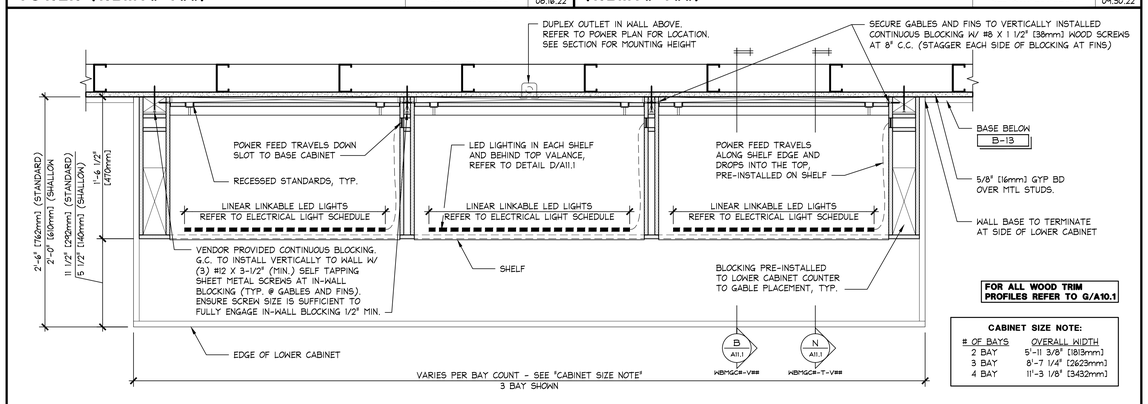
ENLARGED PLAN @ MODIFIED METAL TOWER (WBMT#-V##)

1 1/2" = 1'-0" | 42D-A111-L00-DETL | L | 08.16.22



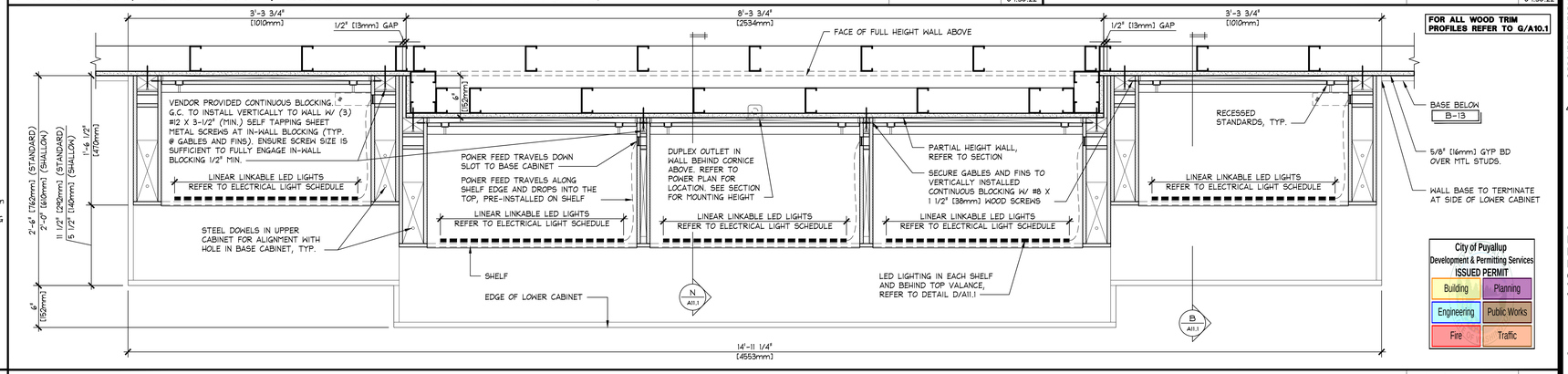
MODIFIED METAL TOWER SECTION (WBMT#-V##)

1 1/2" = 1'-0" | 42D-A111-G01-SECT | G | 09.30.22



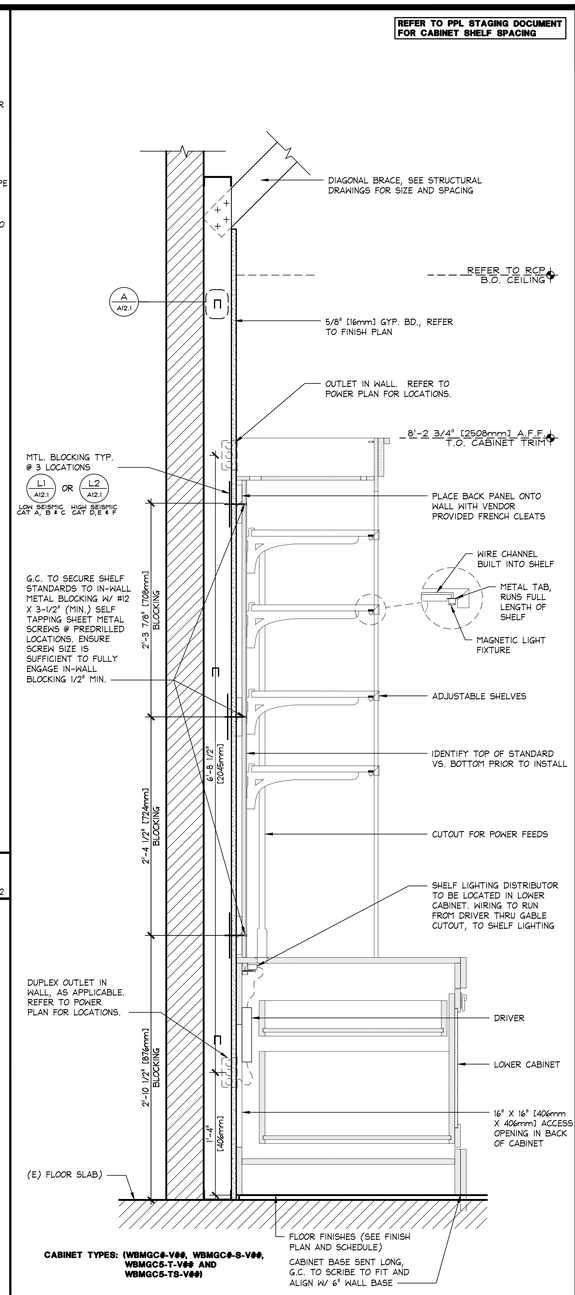
ENLARGED PLAN @ MODIFIED GABLED CABINET (WBMGC#-V##, WBMGC#-S-V##, WBMGC#-T-V## AND WBMGC#-TS-V##)

1 1/2" = 1'-0" | 42D-A111-F00-DETL | F | 09.30.22



ENLARGED PLAN @ MODIFIED 5 BAY TALL GABLED CABINET (WBMGC5-T-V## AND WBMGC5-TS-V##)

1 1/2" = 1'-0" | 42D-A111-A00-DETL | A | 09.30.22



MODIFIED GABLED CABINET SECTION

1 1/2" = 1'-0" | 42D-A111-B00-DETL | B | 09.30.22

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SIS PKG 2
2315a.00
20221012.0

PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS
GENERATION: 2
A/E PROJECT #: 20221012.0

REVISIONS:

	REQUIRED BY:	DESCRIPTION	DATE
1		REV1 - FOR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

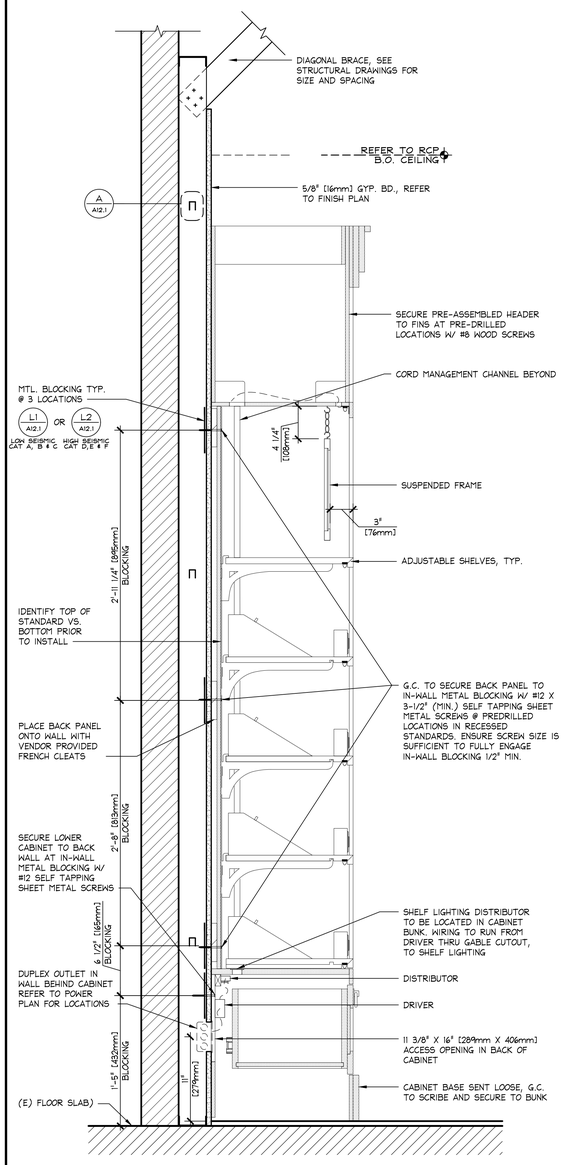
City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

WBC PERIMETER CABINETRY DETAILS

DRAWING NUMBER:
A11.1

PRCTI20221802

REFER TO PPL STAGING DOCUMENT FOR CABINET SHELF SPACING

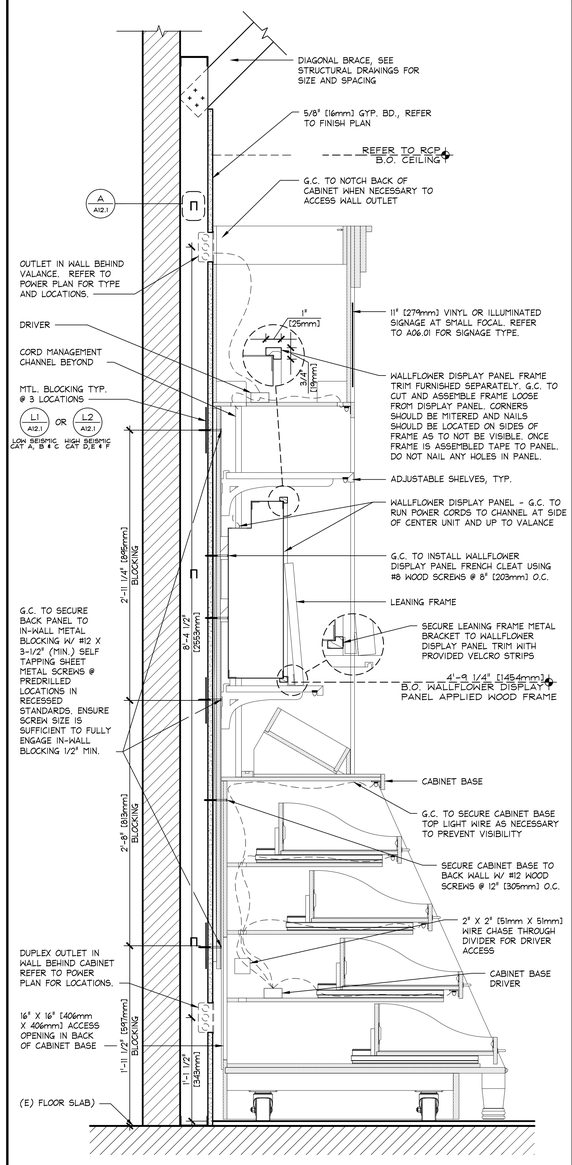


CABINET TYPES: (WBMWFC4-T-V##)

MODIFIED 4 BAY TALL WALLFLOWER GABLED CABINET SIDE UNIT SECTION

1 1/2" = 1'-0" | •42D-A111A-F00-DETL | F | 09.30.22

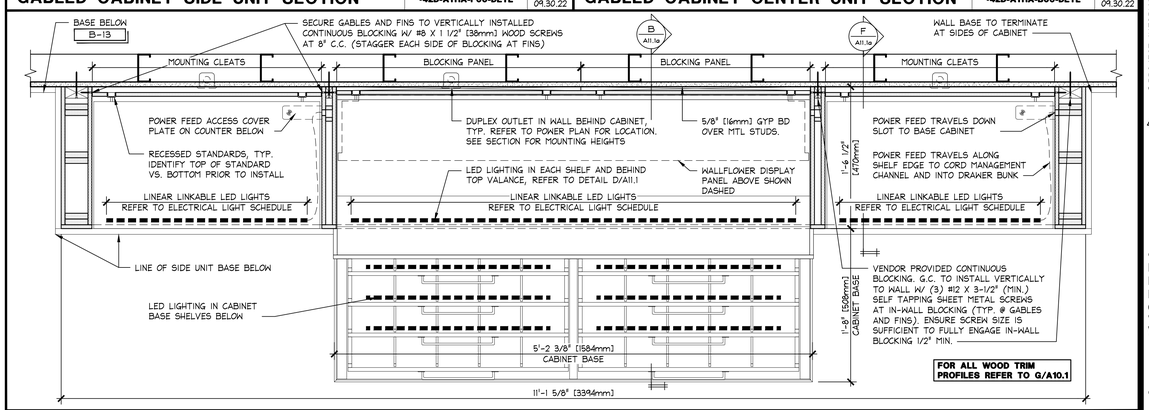
REFER TO PPL STAGING DOCUMENT FOR CABINET SHELF SPACING



CABINET TYPES: (WBMWFC4-T-V##)

MODIFIED 4 BAY TALL WALLFLOWER GABLED CABINET CENTER UNIT SECTION

1 1/2" = 1'-0" | •42D-A111A-B00-DETL | B | 09.30.22



ENLARGED PLAN @ MODIFIED 4 BAY TALL WALLFLOWER GABLED CABINET (WBMWFC4-T-V##)

1 1/2" = 1'-0" | 42D-A111A-A00-DETL | A | 09.30.22

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30 Executive Park
Suite 100
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DOUGLAS S. COUPER
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BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 231So.00
A/E PROJECT #: 20221012.0

PROJECT INFORMATION:

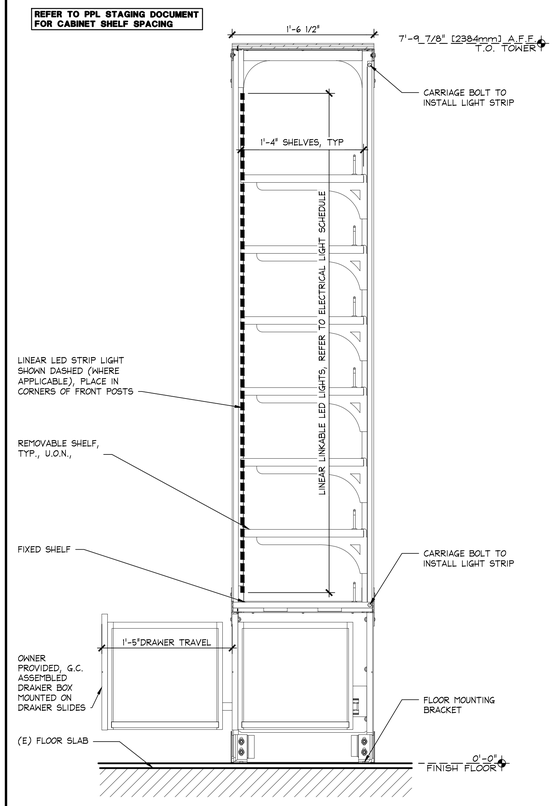
REVISIONS:

	REQUIRED BY:	DATE:
1	REV1 = PCM REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/22/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

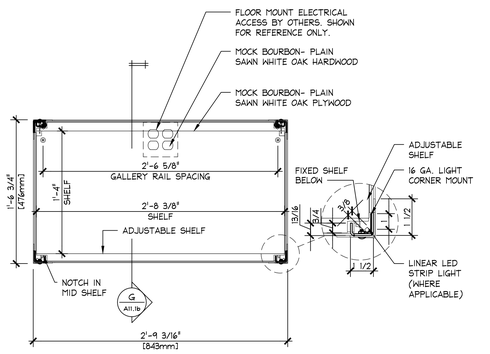
WBC PERIMETER CABINETRY DETAILS

DRAWING NUMBER:
A11.1a



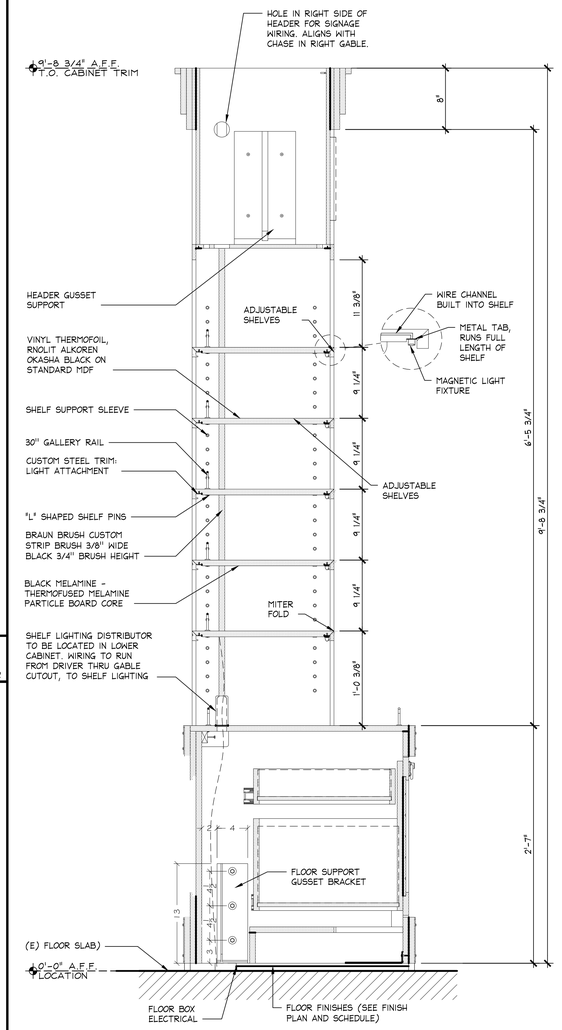
FREESTANDING TOWER SHELF SECTION (WBMT1-FS-V01-SPL)

1 1/2" = 1'-0" | 42D-A111-G01-SECT | G | 09.30.22



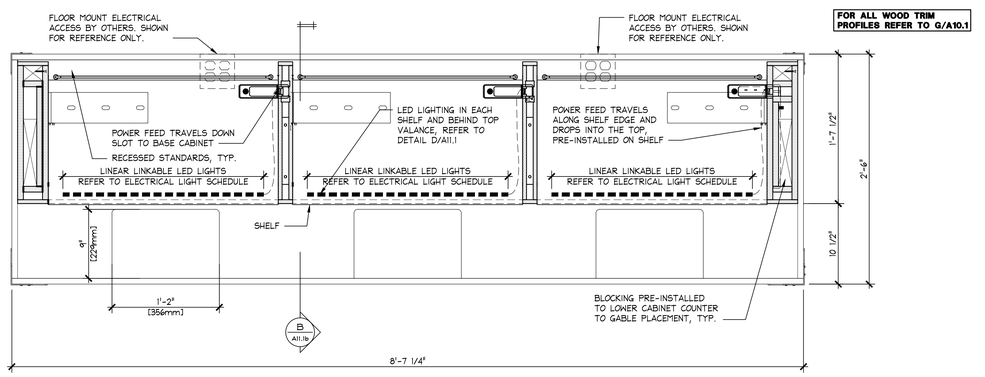
ENLARGED PLAN @ FREESTANDING TOWER SHELF (WBMT1-FS-V01-SPL)

1 1/2" = 1'-0" | 42D-A111-L00-DETL | F | 08.16.22



FREESTANDING GABLED CABINET SECTION

1 1/2" = 1'-0" | 42D-A111-B00-DETL | B | 09.30.22



ENLARGED PLAN @ FREESTANDING TALL GABLED CABINET (WBMGC3-FST-V01-SPL)

1 1/2" = 1'-0" | 42D-A111-F00-DETL | A | 09.30.22

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PROJECT INFORMATION:

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

SIS PKG 2
2315a.00
20221012.0

PACKAGE:
GENERATION:
A/E PROJECT #:

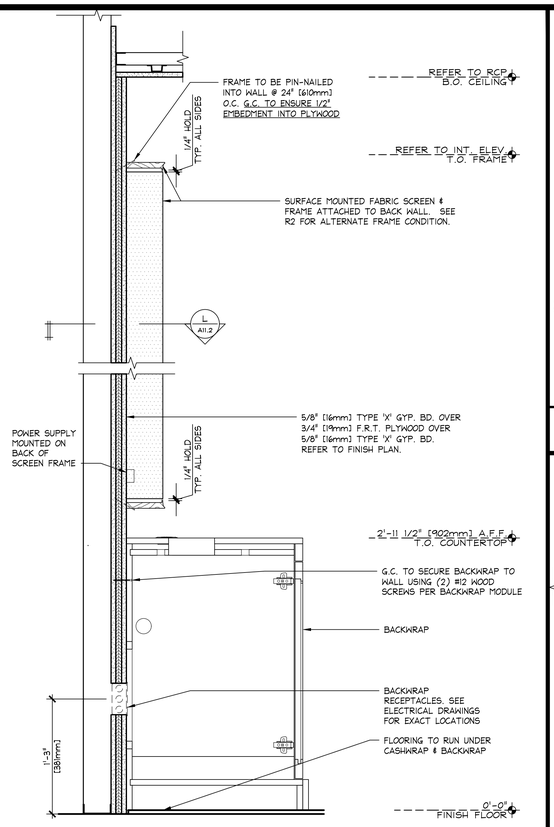
REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - FOR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

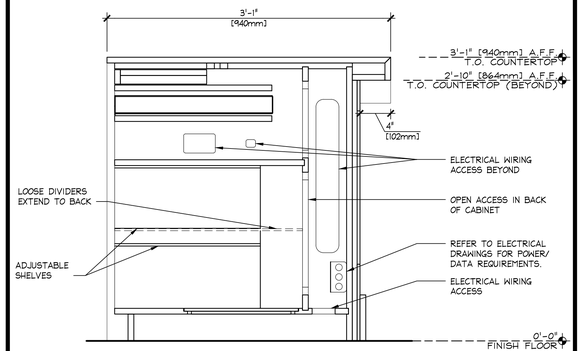
WBC FREESTANDING CABINETRY DETAILS

DRAWING NUMBER:
A11.1b



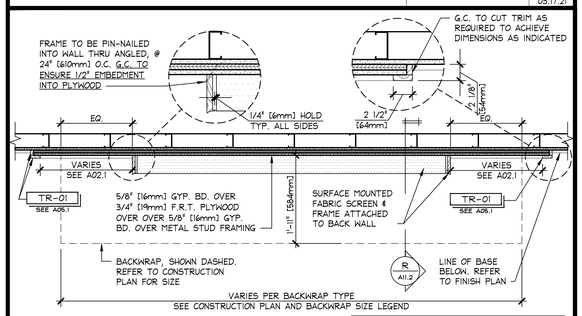
SECTION @ FABRIC SCREEN

1 1/2" = 1'-0" | 428-A112-R00-SECT | R | 03.18.21



SECTION @ CASHWRAP

1 1/2" = 1'-0" | 42D-A112-M00-DETL | M | 03.17.21



REFER TO VENDOR SHOP DRAWINGS FOR ADDITIONAL INFORMATION.

FOR ALL WOOD TRIM PROFILES REFER TO G/A10.1

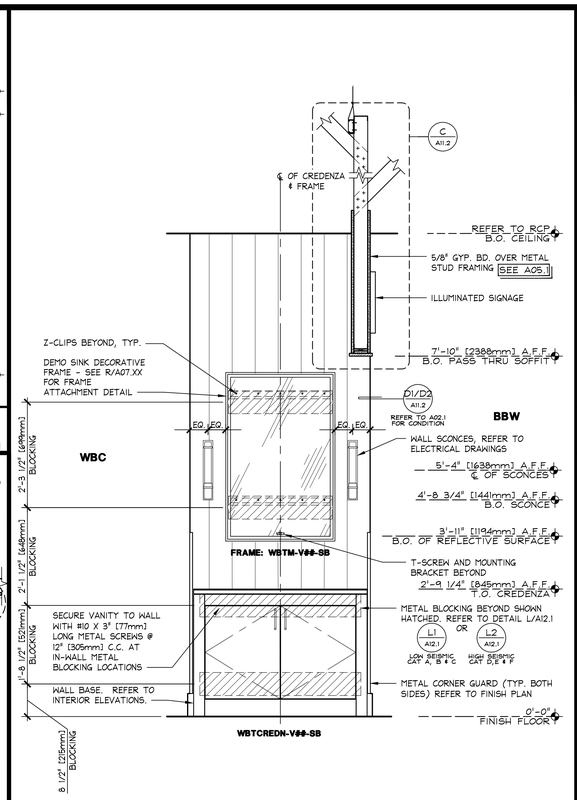
FRAME IS SHIPPED IN (4) PIECES - VENDOR WILL SPLICE AND JOIN MOULDING PRIOR TO SHIPPING. CONTACT VENDOR IF FRAME IS NOT PACKAGED AS NOTED.

BACKWRAP SIZE LEGEND

FIXTURE TAG	OVERALL WIDTH
BWBW7.5 OR WBBW7.5	7'-6 1/2" [2299mm]
BWBW10 OR WBBW10	10'-1 3/4" [3092mm]
BWBW13.7 OR WBBW13.7	13'-9 1/2" [4204mm]
BWBW16.3 OR WBBW16.3	16'-4 3/4" [4997mm]
BWBW18.9 OR WBBW18.9	19'-0" [5791mm]

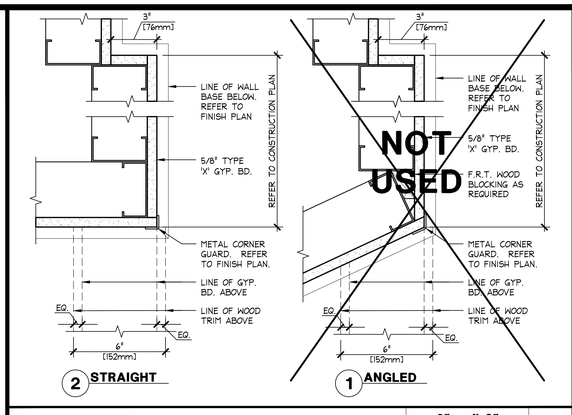
ENLARGED PLAN @ BACKWRAP FABRIC SCREEN DISPLAY

3/4" = 1'-0" | 42D-A112-L00-DETL | L | 08.16.22



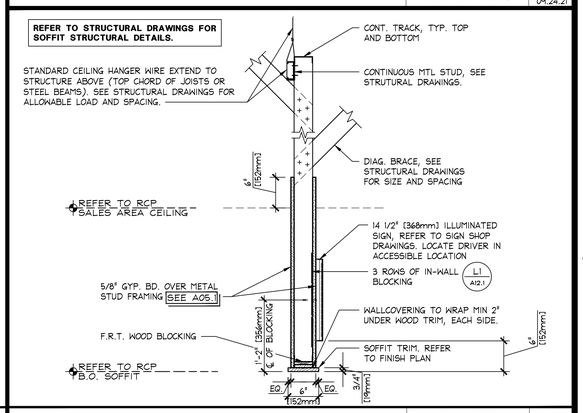
ELEVATION @ WB CREDENZA (P2)

3/4" = 1'-0" | 42D-A112-G02-DETL | G | 09.09.22



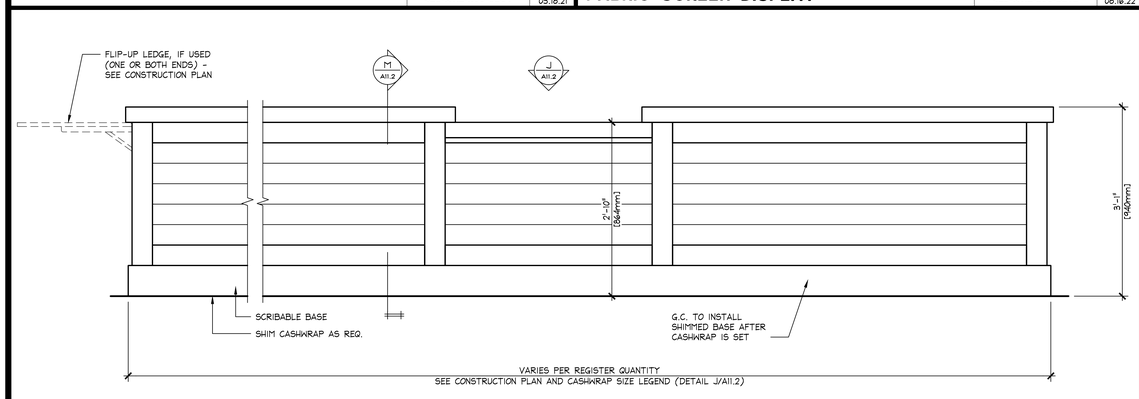
PLAN DETAIL AT WB TRANSITION (P2/P3)

3" = 1'-0" | 42D-A112-D00-DETL | D | 09.24.21



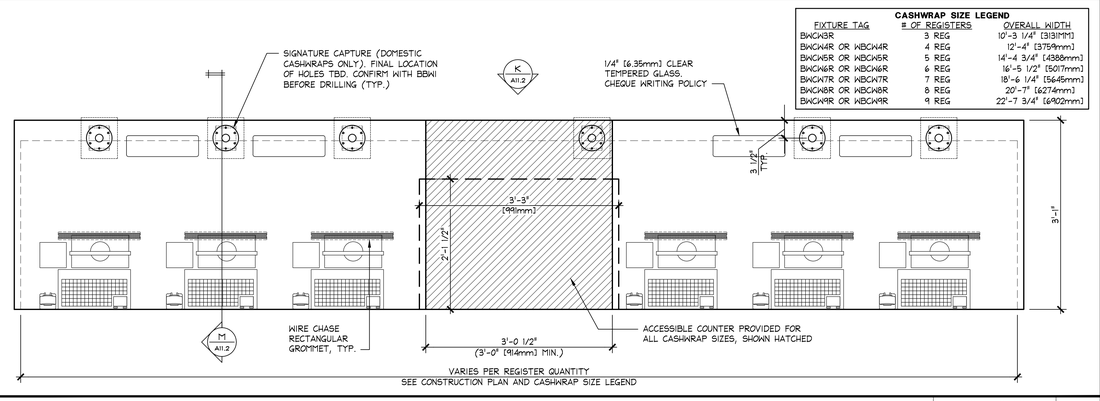
DETAIL AT TRANSITION SOFFIT (P2)

1" = 1'-0" | 42D-A112-C02-DETL | C | 09.24.21



FRONT ELEVATION @ 3-9 REGISTER CASHWRAP (BWCW#R-V##-BL AND WBCW#R-V##-SB)

1" = 1'-0" | 42E-A112-K00-ELEV | K | 03.17.21

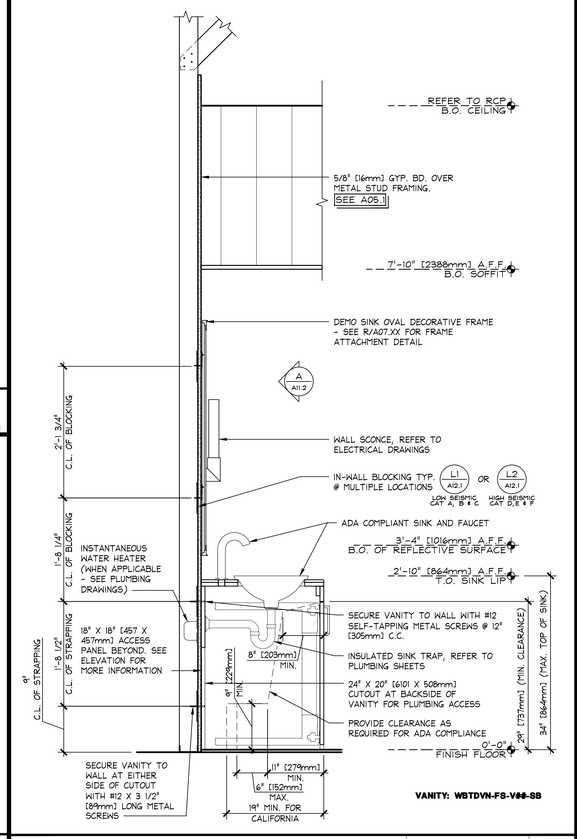


CASHWRAP SIZE LEGEND

FIXTURE TAG	# OF REGISTERS	OVERALL WIDTH
BWCW3R	3 REG	10'-3 1/4" [3131MM]
BWCW4R OR WBCW4R	4 REG	12'-4" [3754mm]
BWCW5R OR WBCW5R	5 REG	14'-4 3/4" [4388mm]
BWCW6R OR WBCW6R	6 REG	16'-5 1/2" [5017mm]
BWCW7R OR WBCW7R	7 REG	18'-6 1/4" [5645mm]
BWCW8R OR WBCW8R	8 REG	20'-7" [6274mm]
BWCW9R OR WBCW9R	9 REG	22'-7 3/4" [6902mm]

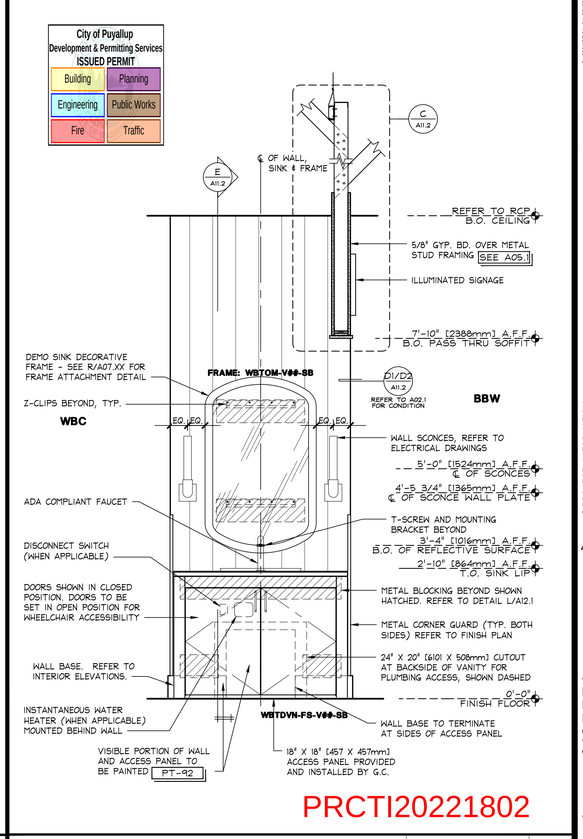
PLAN @ 3-9 REGISTER CASHWRAP (BWCW#R-V##-BL AND WBCW#R-V##-SB)

1" = 1'-0" | 42P-A112-J00-PLAN | J | 08.18.22



SECTION @ WB FREESTANDING DEMO SINK (P2)

1" = 1'-0" | 42B-A112-E02-SECT | E | 09.09.22



PRCTI20221802

ELEVATION @ WB FREESTANDING DEMO SINK (P2)

3/4" = 1'-0" | 42D-A112-A02-DETL | A | 09.09.22

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Suite 100
Irvine, CA 92614
t: 949 296 0450

8768 REGISTERED ARCHITECT
1/9/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

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Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 231So.00
A/E PROJECT #: 20221012.0

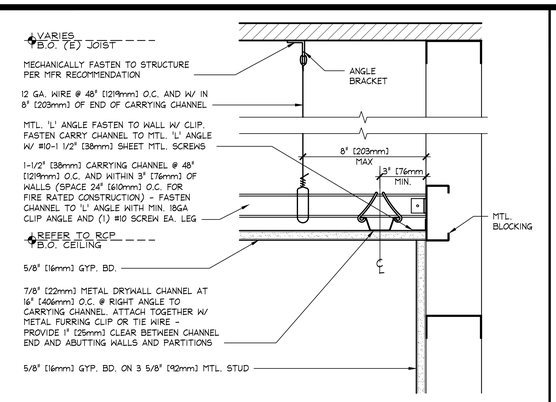
REVISIONS:

	REQUIRED BY:	DESCRIPTION	DATE
1	BBWI	REV1 - FOR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

WB TRANSITION, CW & BW DETAILS

DRAWING NUMBER:
A11.2



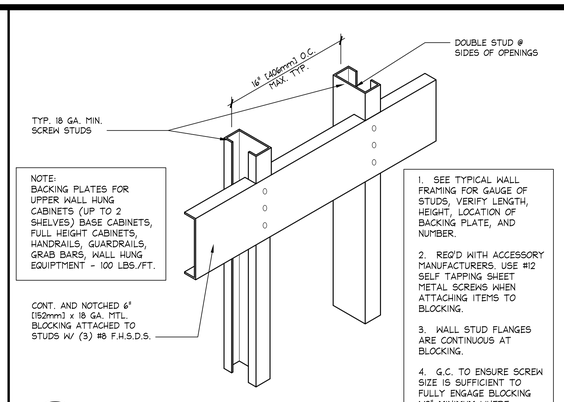
CEILING @ PERIMETER WALL

3" = 1'-0"

42D-A121-S00-DETL

S

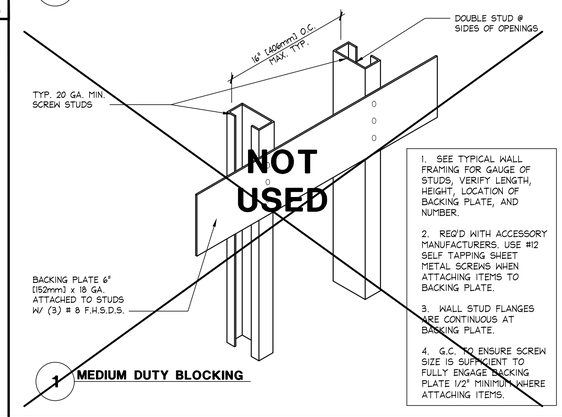
11.29.20



NOTE:
BACKING PLATES FOR UPPER WALL HUNG CABINETS (UP TO 2 SHELVES) BASE CABINETS, FULL HEIGHT CABINETS, HANDRAILS, GUARDRAILS, GRAB BARS, WALL HUNG EQUIPTMENT - 100 LBS./FT.

1. SEE TYPICAL WALL FRAMING FOR GAUGE OF STUDS, VERIFY LENGTH, HEIGHT, LOCATION OF BACKING PLATE, AND NUMBER.
2. REQ'D WITH ACCESSORY MANUFACTURERS. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BLOCKING.
3. WALL STUD FLANGES ARE CONTINUOUS AT BLOCKING.
4. G.C. TO ENSURE SCREW SIZE IS SUFFICIENT TO FULLY ENGAGE BLOCKING 1/2" MINIMUM WHERE ATTACHING ITEMS.

2 **HEAVY DUTY BLOCKING**



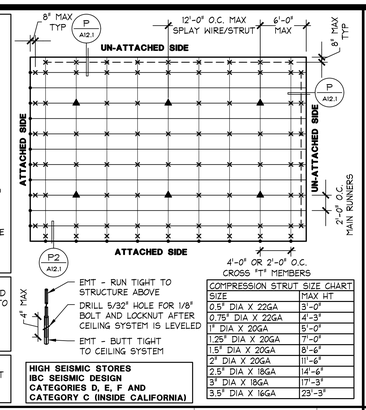
1. SEE TYPICAL WALL FRAMING FOR GAUGE OF STUDS, VERIFY LENGTH, HEIGHT, LOCATION OF BACKING PLATE, AND NUMBER.
2. REQ'D WITH ACCESSORY MANUFACTURERS. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BACKING PLATE.
3. WALL STUD FLANGES ARE CONTINUOUS AT BACKING PLATE.
4. G.C. TO ENSURE SCREW SIZE IS SUFFICIENT TO FULLY ENGAGE BACKING PLATE 1/2" MINIMUM WHERE ATTACHING ITEMS.

1 **MEDIUM DUTY BLOCKING**

GENERAL NOTES:
1. ENDS OF MAIN BEAMS AND CROSS TEES MUST BE TIED TOGETHER TO PREVENT SPREADING
2. HEAVY DUTY GRID SYSTEM REQUIRED.
3. CEILING AREA > 1000 SQ FT TO HAVE HORIZONTAL RESTRAINT WIRE AND RIGID BRACING.
4. CEILING AREA > 2500 SQ FT TO HAVE SEISMIC SEPARATION JOINTS OR FULL HEIGHT PARTITION.
5. CEILING WITHOUT RIGID BRACING MUST HAVE 2" OVERSIZED TRIM RINGS FOR SPRINKLERS AND OTHER PENETRATIONS.
6. CHANGES IN CEILING PLANE MUST HAVE POSITIVE BRACING.
7. CABLE TRAYS AND ELECTRICAL CONDUITS MUST BE INDEPENDENTLY SUPPORTED AND BRACED.
8. LIGHT FIXTURES (ALL TYPES) TO BE MECHANICALLY ATTACHED TO GRID PER NEC 410-16 (TWO 12 GA WIRES PER FIXTURE UNLESS INDEPENDENTLY SUPPORTED)
9. COMPRESSION STRUTS TO BE DESIGNED PER ICBO #2244 OR EQUAL

AIR TERMINALS SUPPORT REQUIREMENTS:
- <20 LBS - POSITIVELY ATTACHED TO GRID
- 20 TO 56 LBS - POSITIVELY ATTACHED TO GRID AND TWO 12 GA WIRES TO STRUCTURE (MAY BE SLACK)
- >56 LBS SUPPORTED DIRECTLY TO STRUCTURE BY APPROVED HANGERS

× 12 GA HANGER WIRE
▲ (4) SPLAY WIRES / COMPRESSION STRUT
— STABILIZER BAR
• GRID PERIMETER RIVETED



COMPRESSION STRUT SIZE CHART	
SIZE	MAX HT
0.5" DIA X 22GA	3'-0"
0.75" DIA X 22GA	4'-3"
1" DIA X 20GA	5'-0"
1.25" DIA X 20GA	7'-0"
1.5" DIA X 20GA	8'-6"
2" DIA X 20GA	11'-6"
2.5" DIA X 18GA	14'-6"
3" DIA X 18GA	17'-3"
3.5" DIA X 16GA	23'-3"

HIGH SEISMIC STORES
IBC SEISMIC DESIGN
CATEGORIES D, E, F AND
CATEGORY C (INSIDE CALIFORNIA)

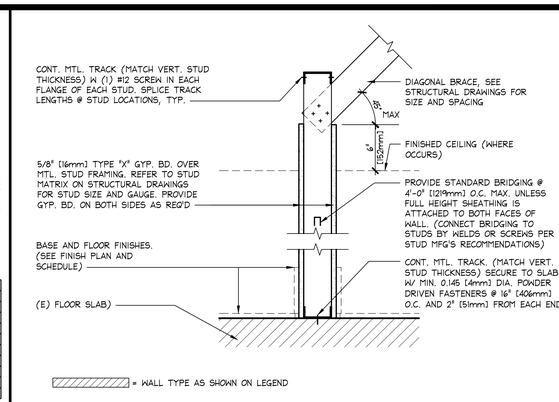
ACT CEILING LAYOUT

1/8" = 1'-0"

42D-A121-G02-DETL

H

04.10.20



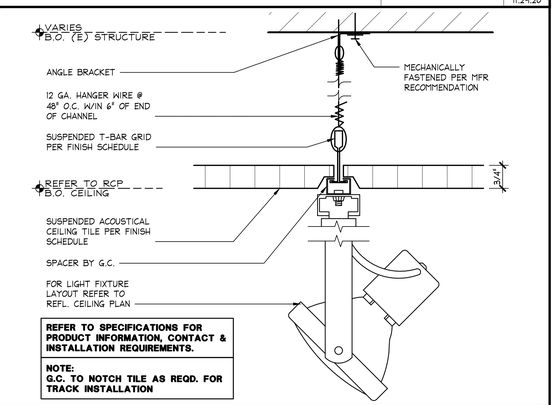
NON-RATED PARTITION

1 1/2" = 1'-0"

~~428-A121-D00-SECT~~

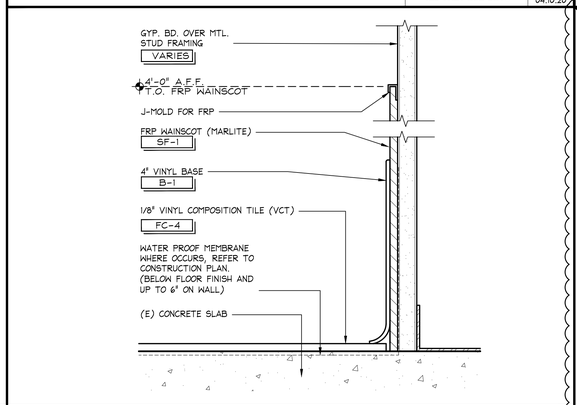
D

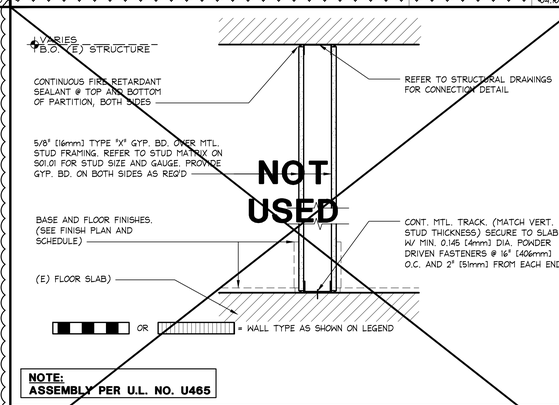
04.10.20



REFER TO SPECIFICATIONS FOR PRODUCT INFORMATION, CONTACT & INSTALLATION REQUIREMENTS.

NOTE:
G.C. TO NOTCH TILE AS REQD. FOR TRACK INSTALLATION





NOTE:
ASSEMBLY PER U.L. NO. U465

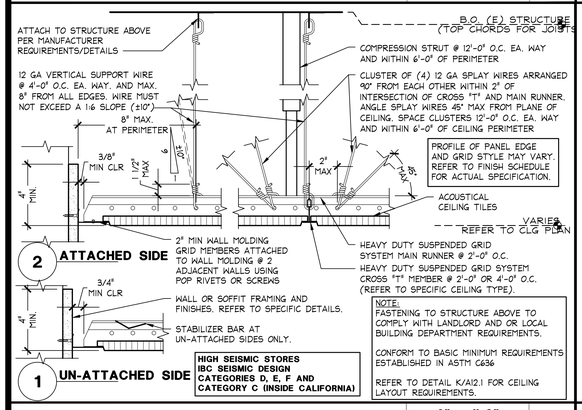
TRACK LIGHT - SURFACE MOUNTED

6" = 1'-0"

42D-A121-R00-DETL

R

04.10.20



NOTE:
FASTENING TO STRUCTURE ABOVE TO COMPLY WITH LANDLORD AND OR LOCAL BUILDING DEPARTMENT REQUIREMENTS.

CONFORM TO BASIC MINIMUM REQUIREMENTS ESTABLISHED IN ASTM C636

REFER TO DETAIL K/A12.1 FOR CEILING LAYOUT REQUIREMENTS.

HIGH SEISMIC STORES
IBC SEISMIC DESIGN
CATEGORIES D, E, F AND
CATEGORY C (INSIDE CALIFORNIA)

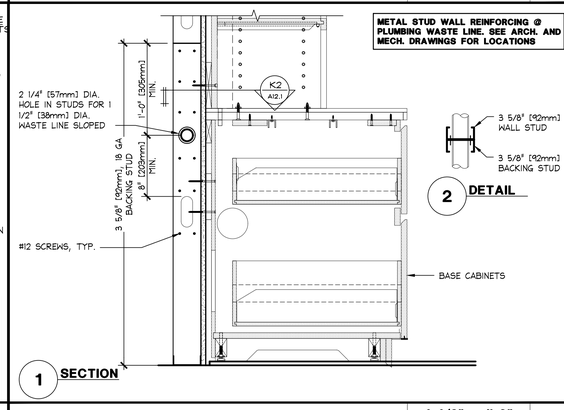
IN-WALL BLOCKING DETAIL

1 1/2" = 1'-0"

42D-A121-L00-DETL

L

09.30.22



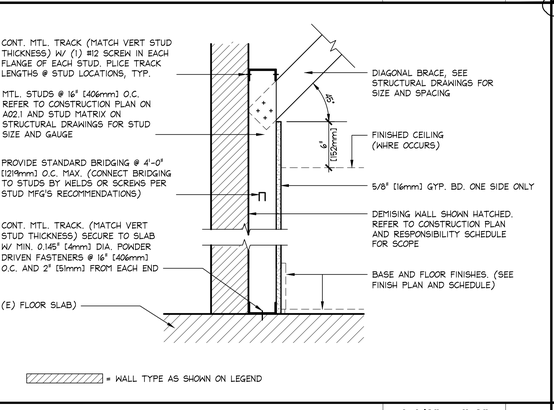
PLUMBING STUD @ CABINET

1 1/2" = 1'-0"

42D-A121-K00-DETL

K

04.10.20



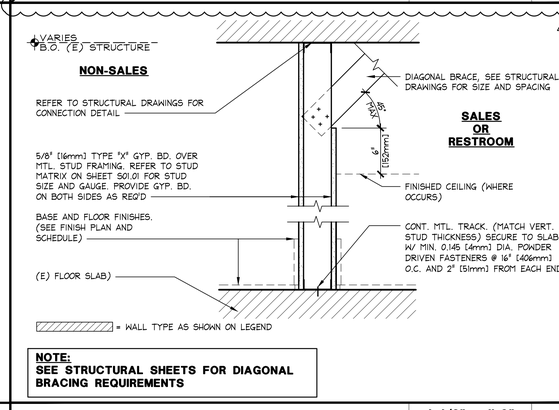
FRP WAINSCOT SECTION

6" = 1'-0"

42D-A121-G00-DETL

G

12.08.20



NOTE:
SEE STRUCTURAL SHEETS FOR DIAGONAL BRACING REQUIREMENTS

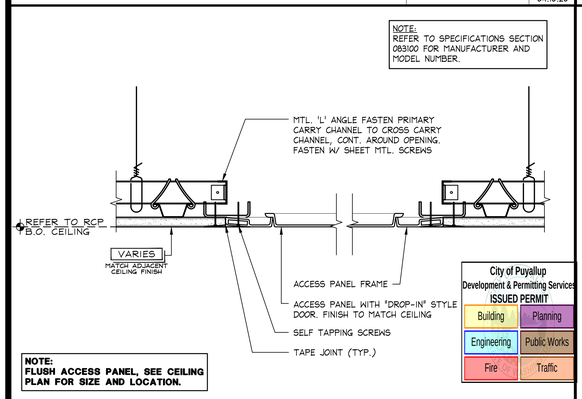
1-HOUR RATED PARTITION

1 1/2" = 1'-0"

~~428-A121-C00-SECT~~

C

04.10.20



NOTE:
FLUSH ACCESS PANEL, SEE CEILING PLAN FOR SIZE AND LOCATION.

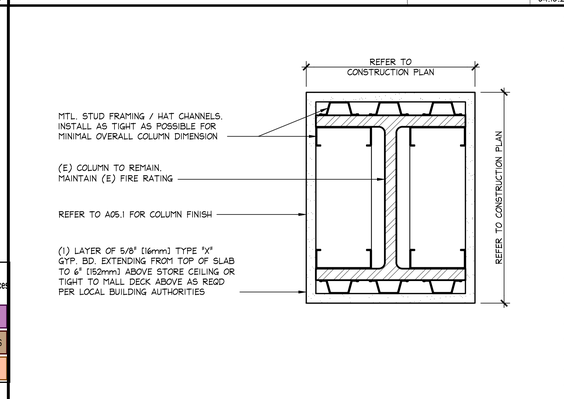
CEILING MOUNTED ACCESS PANEL DROP IN - TRIMLESS

3" = 1'-0"

42D-A123-N01-DETL

N

02.14.17



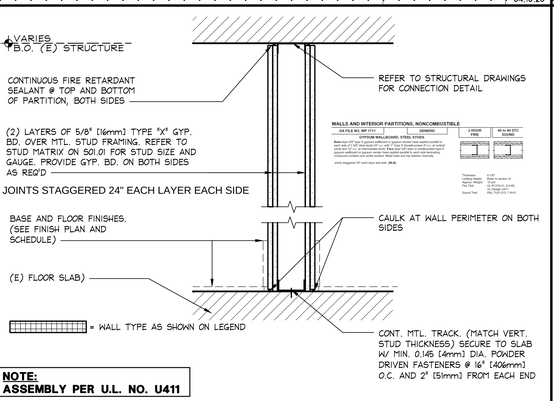
COLUMN ENCLOSURE FRAMING DETAIL

3" = 1'-0"

42D-A121-J00-DETL

J

04.10.20



NOTE:
ASSEMBLY PER U.L. NO. U411

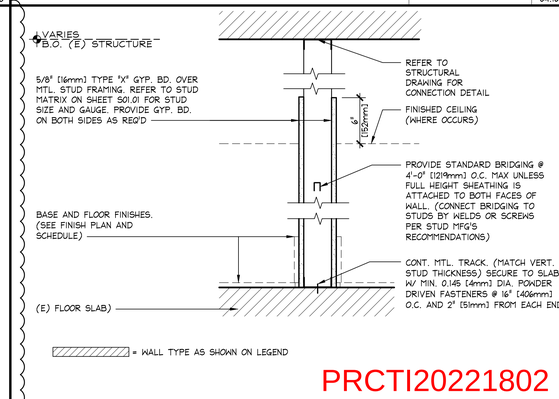
2-HOUR RATED PARTITION

1 1/2" = 1'-0"

~~428-A121-C00-SECT~~

E

04.10.20



NON-RATED PARTITION (TO STRUCTURE)

1 1/2" = 1'-0"

~~428-A121-B00-SECT~~

B

04.10.20

PRCTI20221802

NON-RATED PARTITION

1 1/2" = 1'-0"

~~428-A121-A00-SECT~~

A

04.10.20

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GF
www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

8768 REGISTERED ARCHITECT
1/9/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

SIS PKG 2
2315a.00
20221012.0

104.01.0737.01

PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE:
GENERATION:
A/E PROJECT #:

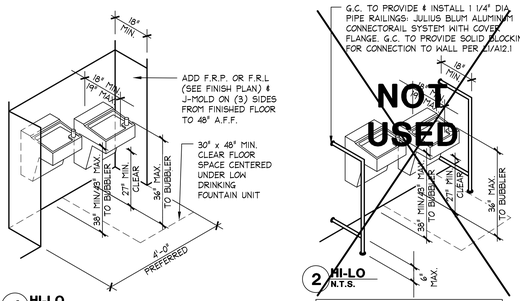
REVISIONS:

	REQUIRED BY:	DESCRIPTION	DATE
1		REV1 - FOR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

PARTITION AND CEILING DETAILS

DRAWING NUMBER:
A12.1



1 **HI-LO** N.T.S.

2 **HI-LO** N.T.S.

ONLY PROVIDE RAILING IF DRINKING FOUNTAIN IS IN THE PATH OF TRAVEL

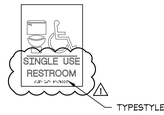
PROVIDE DRINKING FOUNTAIN ONLY IF REQD. BY CODE IF THE DRINKING FOUNTAIN IS LOCATED IN THE PATH OF TRAVEL, A TEXTURED AREA 1'-0" AROUND THE FOUNTAIN, CLEARLY IDENTIFIABLE BY THE BLIND IS REQUIRED. BUBBLER IS TO BE ACTIVATED BY A ACCESSIBLE PUSH BAR ON FRONT FACE OF UNIT.

HI/LO DRINKING FOUNTAIN

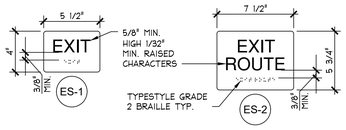
N.T.S. | 42D-A131-S00-DETL | S | 09.30.22

SIGNAGE NOTES:

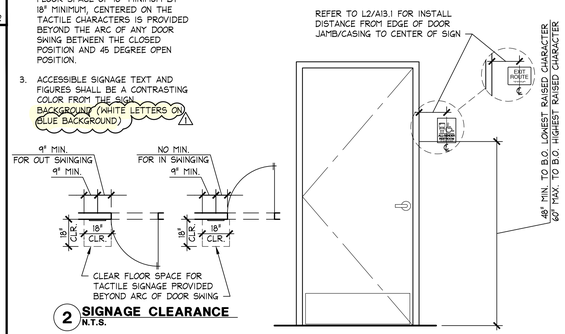
1. LETTERS AND NUMBERS SHALL BE RAISED 1/32", UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" HIGH, BUT NO HIGHER THAN 2". PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAMS. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MIN. IN HEIGHT.
2. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE MINIMUM 48" TO BASELINE OF THE LOWEST TACTILE CHARACTER, 60" MAXIMUM TO BASELINE OF HIGHEST TACTILE CHARACTER. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A CLEAR FLOOR SPACE OF 18" MINIMUM BY 18" MINIMUM, CENTERED ON THE TACTILE CHARACTERS IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.
3. ACCESSIBLE SIGNAGE TEXT AND FIGURES SHALL BE A CONTRASTING COLOR FROM THE SIGN BACKGROUND (WHITE LETTERS ON BLUE BACKGROUND)



4 **ADA/ICC A117.1 COMPLIANT SIGNAGE** N.T.S.

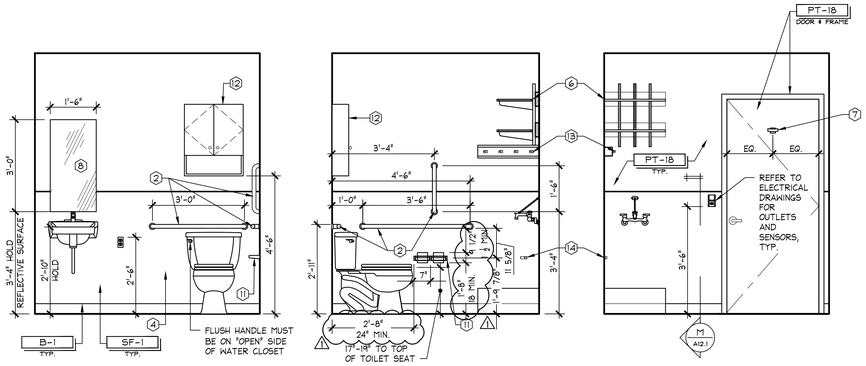


3 **COMPLIANT EXIT SIGNAGE** N.T.S.

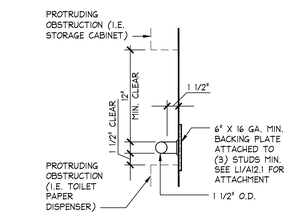


2 **SIGNAGE CLEARANCE** N.T.S.

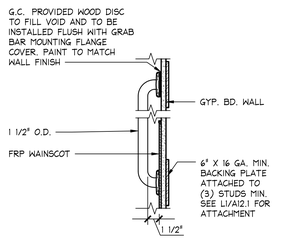
1 **INSTALLATION HEIGHT** N.T.S.



1 **ELEVATION** 2 **ELEVATION** 3 **ELEVATION** 4 **ELEVATION**



5 **HORIZONTAL GRAB BAR DETAIL @ WALL** N.T.S.



6 **VERTICAL GRAB BAR DETAIL @ WALL** N.T.S.

GRAB BAR NOTES:

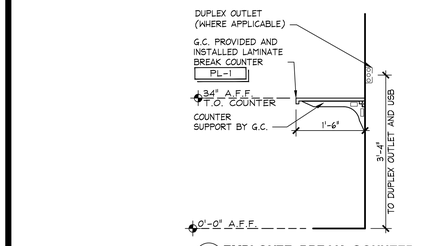
GRAB BARS SHALL NOT ROTATE AND THERE ARE TO BE NO SHARP, OR ABRASIVE ELEMENTS ON OR ADJACENT TO THEM. EDGES ARE TO HAVE A MIN. OF 1/8" RADIUS.

GRAB BAR BACKING AND ATTACHMENT SHALL BE CONSTRUCTED FOR A 250 POUND POINT LOAD APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER, MOUTING DEVICE OR SUPPORTING STRUCTURE

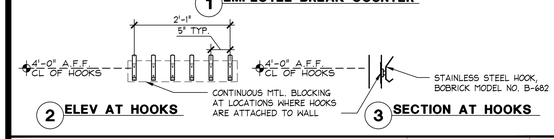
SINK NOTES:

INSULATE OR COVER ALL WATER AND DRAIN PIPES UNDER SINK. NO SHARP OR ABRASIVE SURFACES ALLOWED UNDER SINK.

FAUCET CONTROLS AND OPERATING MECHANISMS MUST EASILY OPERATE BY ONE HAND AND MUST NOT REQUIRE GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE NEEDED TO ACTIVATE CONTROLS SHALL NOT EXCEED 5LBS. FOR LEVER OPERATED, OR 15 LBS. FOR PUSH TYPE.



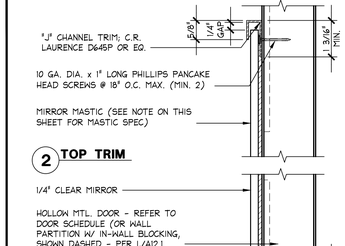
1 **EMPLOYEE BREAK COUNTER**



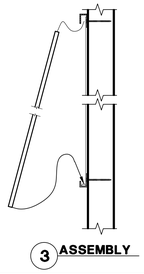
2 **ELEV AT HOOKS** 3 **SECTION AT HOOKS**

NON-SALES DETAILS

3/4" = 1'-0" | 42D-A131-P00-DETL | P | 11.08.21



2 **TOP TRIM** 1 **BOTTOM TRIM**



3 **ASSEMBLY**

MIRROR MOUNTING TO WALL SIMILAR: AT "J" CHANNELS USE 6 GA. x 1 5/8" PANCAKE SCREWS INTO BLOCKING - SEE L/A12.1

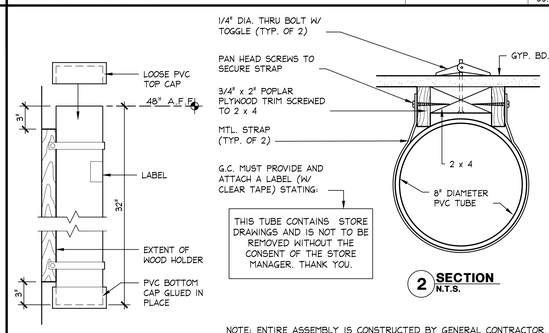
MIRROR MASTIC SPECIFICATION: PALMER "QWIKSET MIRRO-MASTIC"; PALMER PRODUCTS CORP. (502) 893-3668 OR (800) 431-6151 / FAX (502) 895-9253

BBW ACCESSIBILITY & TACTILE SIGNAGE ADA/ICC A117.1 COMPLIANT (PAINTED)

FULL | 42D-A131-L00-DETL | L | 12.10.18

MIRROR MOUNTING DETAIL LESS THAN 60 LBS.

6" = 1'-0" | 42D-A131-K00-DETL | K | 05.07.21



2 **SECTION** N.T.S.

1 **ELEVATION**

NOTE: ENTIRE ASSEMBLY IS CONSTRUCTED BY GENERAL CONTRACTOR.

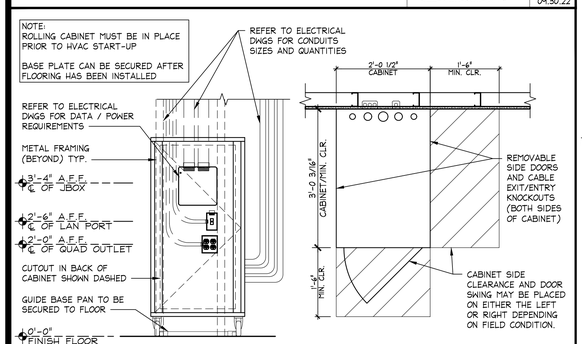
UPON COMPLETION OF PROJECT, GENERAL CONTRACTOR MUST RUN A NEW SET OF BLUEPRINTS OF THE COMPLETED STORE DRAWINGS (ARCHITECTURAL, MECHANICAL, ELECTRICAL, STRUCTURAL) AND PLACE INTO PLAN TUBE HOLDER CONSTRUCTED BY THE GENERAL CONTRACTOR.

PLAN TUBE HOLDER

1 1/2" = 1'-0" | 42D-A131-J00-DETL | J | 04.10.20

IT CABINET MOUNTING DETAIL

3/4" = 1'-0" | 42D-A131-R00-DETL | R | 04.10.20



1 **ELEVATION**

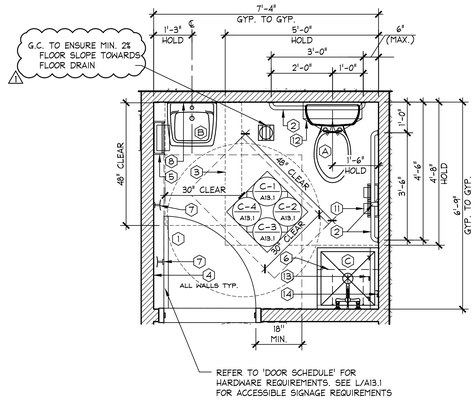
2 **PLAN CLEARANCE**

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

PRCTI20221802

TOILET ROOM ELEVATIONS (PAINTED FINISHES)

1/2" = 1'-0" | 42E-A131-C00-ELEV | C | 08.19.22



A WATER CLOSET

B SINK

C 24" X 24" MOP SINK WITH FAUCET SET (TO INCLUDE 42" HOSE) ALL BY G.C. G.C. TO CAULK FRP TO SINK & SINK TO FLOOR WITH WHITE SILICONE CAULK.

1 G.C. TO INFORM OWNER IF LAVATORY INCREASES IN SIZE OTHER THAN WHAT IS SHOWN TO MEET ACCESSIBILITY REQUIREMENTS.

2 1 1/2" DIA. MTL. GRAB BAR BY BOBRICK # B-6806 x X"- REFER TO DETAIL C/A13.1 FOR APPROPRIATE LENGTHS AND ATTACHMENT METHOD. MUST COMPLY WITH LOCAL AND STATE CODES.

3 FLOOR CLEARANCE FOR WATER CLOSET TO BE PROVIDED IN ACCESSIBLE LAVATORIES.

4 FRP WAINSCOT SF-1 & VINYL BASE B-1, REFER TO ELEVATIONS C/A13.1

5 G.C. SUPPLIED AND INSTALLED NON-KEYED PAPER TOWEL HOLDER BY BRADLEY, 259 - SURFACE MOUNTED.

6 MOP SINK STORAGE SHELVES: G.C. TO FURNISH AND INSTALL (2) 14" DEEP ADJUSTABLE PLYWOOD SHELVES (WITH CLIPPED CORNERS WHERE APPLIES) WITH OWNER PROVIDED HARDWARE ABOVE MOP SINK SURFACE MOUNTED BLOCKING. REFER TO DETAIL C1/A14.1. REFER TO A02.1 FOR LENGTHS.

7 G.C. TO SUPPLY AND INSTALL (2) CLOTHING HOOKS BY GAMCO #76727. ONE TO BE MOUNTED ON WALL @ 42" A.F.F. INTO SOLID IN-WALL BLOCKING AND ONE AT 72" A.F.F. CENTERED ON LAVATORY SIDE OF DOOR.

8 G.C. SUPPLIED AND INSTALLED GLASS MIRROR: 18" X 36" X 1/4" PLATE GLASS MIRROR (ALL EDGES OF MIRROR TO RECEIVE SLIGHTLY CURVED EDGE WITH SMOOTHED OR POLISHED FINISH) WITH TOP AND BOTTOM "J" CHANNEL (SET MIRROR IN FULL BED OF MASTIC); MOUNT BOTTOM OF MIRROR PER ELEVATIONS AND CENTER ABOVE SINK. INSTALL PER DETAIL K/A13.1 - (AT 'J' CHANNELS, USE 6 GA. X 1 5/8" PANCAKE HEAD SCREWS INTO IN-WALL BLOCKING - SEE L/A12.1).

9 NOT USED

10 NOT USED

11 G.C. SUPPLIED AND INSTALLED NON-KEYED TOILET PAPER HOLDER BY BRADLEY, 5241 BRADEX.

12 G.C. SUPPLIED AND INSTALLED CABINET. GLACIER BAY: MODEL #TTDM-WH OR GLACIER BAY HAMPTON: MODEL #TTH-WH. AVAILABLE @ HOME DEPOT. G.C. TO PROVIDE BLOCKING AND INSTALL CABINET ABOVE TOILET PER MANUFACTURERS RECOMMENDATIONS.

13 G.C. SUPPLIED AND INSTALLED FRICTION-TYPE MOP HOLDERS BY ULINE #H-2841; REFER TO C1/A14.1 FOR MOUNTING HEIGHTS.

14 G.C. SUPPLIED AND INSTALLED FRICTION-TYPE HOSE HOLDER BY McMASTER-CARR #18505A71 (STYLE #8); REFER TO C1/A14.1 FOR MOUNTING HEIGHTS.

RESTROOM HARDWARE SPECIFIED ABOVE SHALL BE PROVIDED BY: HAMILTON PARKER, INC. CONTACT: JIM 1-(614) 358-7806 OR TINA 1-(614) 358-7844 FAX: 1-(614) 358-2316

ACCESSIBILITY CONSTRUCTION NOTES:

1. ALL ACCESSIBLE ENTRANCES SHALL BE IDENTIFIED AS REQUIRED AND BE VISIBLE FROM APPROACHING PEDESTRIAN WAYS.
2. OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. LEVER OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS. HARDWARE FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" A.F.F. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE BETWEEN 30" AND 44" A.F.F. MAX. EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS FOR INTERIOR DOORS OR 8 1/2 LBS FOR EXTERIOR DOORS. FIRE DOORS MAY BE REQUIRE A MAX EFFORT OF 15 LBS.
4. EACH SIDE OF AN ENTRANCE SHALL BE LEVEL (SLOPE NO GREATER THAN 1:48.) WITH A MINIMUM AREA MATCHING THE CORRESPONDING DOOR APPROACH CLEARANCE.
5. CHANGES IN FLOOR LEVEL INCLUDING THRESHOLDS AT DOOR OPENINGS SHALL BE NO GREATER THAN 1/4" FOR A STEPPED TRANSITION AND NO GREATER THAN 1/2" FOR A BEVELED TRANSITION WITH A SLOPE NO GREATER THAN 1:2.
6. IF THE DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM.
7. HEIGHT OF CLOTHING HOOKS SHALL NOT BE GREATER THAN 48" FROM THE FLOOR.
8. THE STRUCTURAL STRENGTH OF GRAB BARS, SEATS, FASTENERS, AND MOUNTING DEVICES SHALL BE ABLE TO WITHSTAND 250 LBF POINT LOAD, BEARING, SHEAR, AND TORSION.
9. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. G.C. TO PROVIDE IN-WALL BLOCKING FOR ALL GRAB BAR LOCATIONS.
10. WATER CLOSET FLUSH VALVE SHALL BE LOCATED ON THE WIDE SIDE OF TOILET (EXCEPT TANK TYPE) THE FORCE REQUIRED TO ACTIVATE THE FLUSH VALVE SHALL BE 5 LBF
11. FAUCET CONTROLS AND OPERATING MECHANISM (SEE NOTATION #2 ABOVE).
12. SELF-CLOSING VALVES TO REMAIN OPEN FOR AT LEAST 10 SECONDS.
13. HOT WATER PIPES UNDER LAVATORY SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORY.
14. DRINKING FOUNTAIN SHALL CONFORM TO REQUIREMENTS OF THE AMERICAN DISABILITIES ACT-2010. SEE DETAIL R/A13.1.
15. ALL REQUIRED DOORWAYS SHALL BE 3'-0" x 6'-8" (MINIMUM).
16. FLOORS TO BE SLIP-RESISTANT.
17. LAVATORIES ADJACENT TO WALL SHALL BE CENTERED 18" MIN. FROM SIDEWALL WITH RIM OF COUNTER NO HIGHER THAN 34" FROM FINISH FLOOR.

TOILET ROOM PLAN (PAINTED FINISHES)

1/2" = 1'-0" | 42P-A131-A00-PLAN | A | 08.19.22

GF
www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

8768 REGISTERED ARCHITECT
1/4/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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SIS PKG 2
231So.00
20221012.0

104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

PROJECT INFORMATION:
SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082
PACKAGE: A/E PROJECT #:
GENERATION:

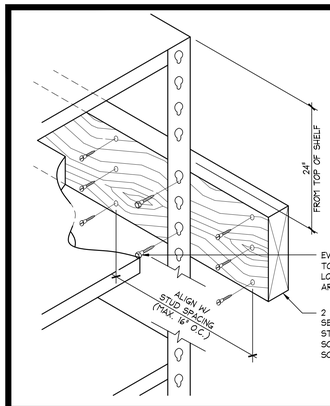
REVISIONS:

	REQUIRED BY:	DESCRIPTION	DATE
1		REV1 - FOR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

TOILET ROOM AND NON-SALES DETAILS

DRAWING NUMBER:
A13.1



PRE-DRILL FURRING AND COUNTER SINK FURRING SCREWS FLUSH WITH BUT NOT LOWER THAN THE SURFACE OF THE FURRING. ALSO INSTALL WASHERS WITH THE SCREWS WHERE EVER FURRING WOOD IS DETERMINED TO BE SOFT.

FOR CMU WALL, USE 1/4" TOGGLE BOLTS 4" LG @ 24" O.C.

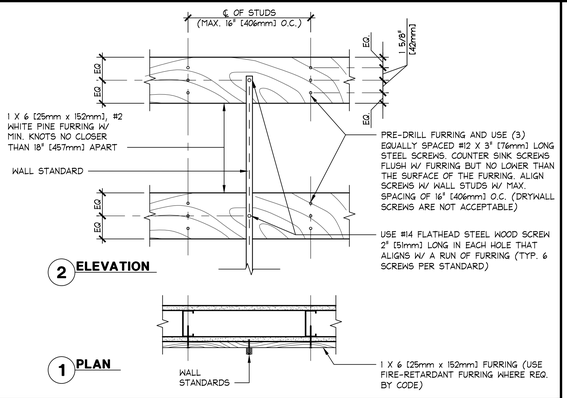
NOTE:
DETAILS SHOWN ARE FOR REFERENCE ONLY AND NOT FOR CONSTRUCTION. REFER TO MFG'S INSTALLATION INSTRUCTIONS.

EVERY "L" OR "T" POST AT WALL SHALL BE ATTACHED TO PRE-DRILLED FURRING STRIP WITH (2) #12 X 2" LONG STEEL HEX HEAD SCREWS. (DRYWALL SCREWS ARE NOT ACCEPTABLE)

2 X 6 FURRING STRIP PRE-DRILLED AT WALL FOR SECURING SHELVING. ATTACH FURRING TO WALL STUDS WITH (3) #12 X 3" LONG STEEL SHEET MTL. SCREWS W. MAX SPACING OF 16" O.C. (DRYWALL SCREWS ARE NOT ACCEPTABLE)

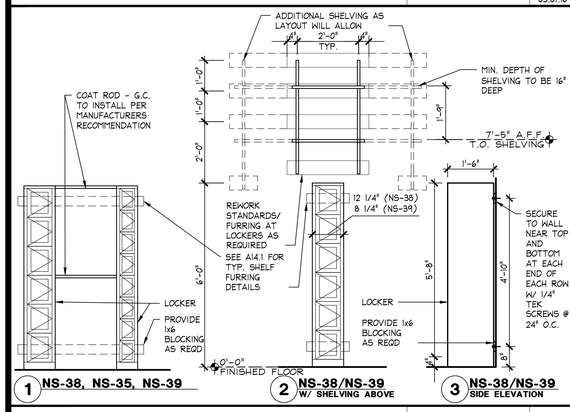
RIVET RACK - FURRING ATTACHMENT

3" = 1'-0" | 42D-A141-S00-DETL | S | 03.01.10



WALL FURRING DETAIL

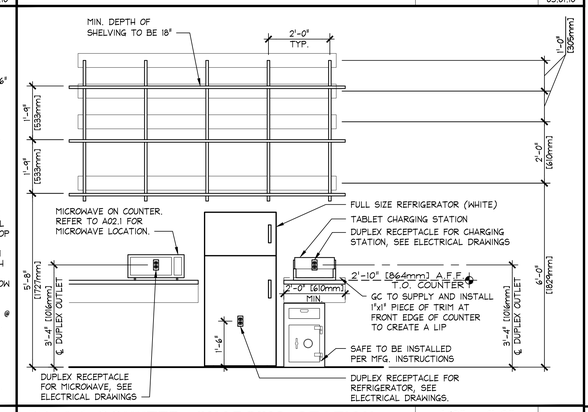
1 1/2" = 1'-0" | 42D-A141-M00-DETL | M | 03.01.10



1 NS-38, NS-35, NS-39 | 2 NS-38/NS-39 W/ SHELVING ABOVE | 3 NS-38/NS-39 SIDE ELEVATION

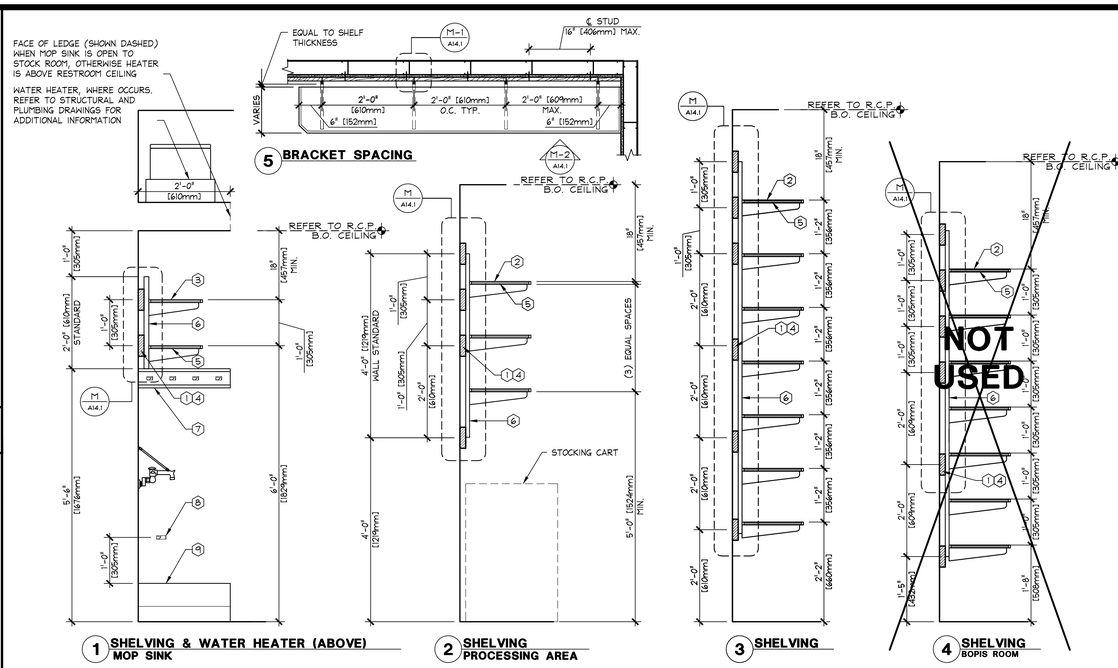
LOCKER DETAILS - NS-35/NS-38/NS-39

1/2" = 1'-0" | 42D-A141-R00-DETL | R | 08.16.22



BREAK COUNTER, CHARGING STATION, MICROWAVE/REFRIGERATOR DETAIL

1/2" = 1'-0" | 42D-A141-L00-DETL | L | 05.07.21



NOT USED

GENERAL NOTES

NO SUBSTITUTIONS WILL BE PERMITTED ON ANY OF THE MATERIALS OR HARDWARE SPECIFIED IN THESE DETAILS, UNLESS OTHERWISE NOTED.

SHELVING TO BE WHITE MELAMINE W/ PAINTED FRONT EDGE AND 3/4" [19mm] HDF WITH ROUTED BULLNOSED EDGE.

ALL SHELF MOUNTING HARDWARE, HANGRODS AND WALL STANDARDS ARE SUPPLIED BY OWNER - INSTALLED BY G.C.

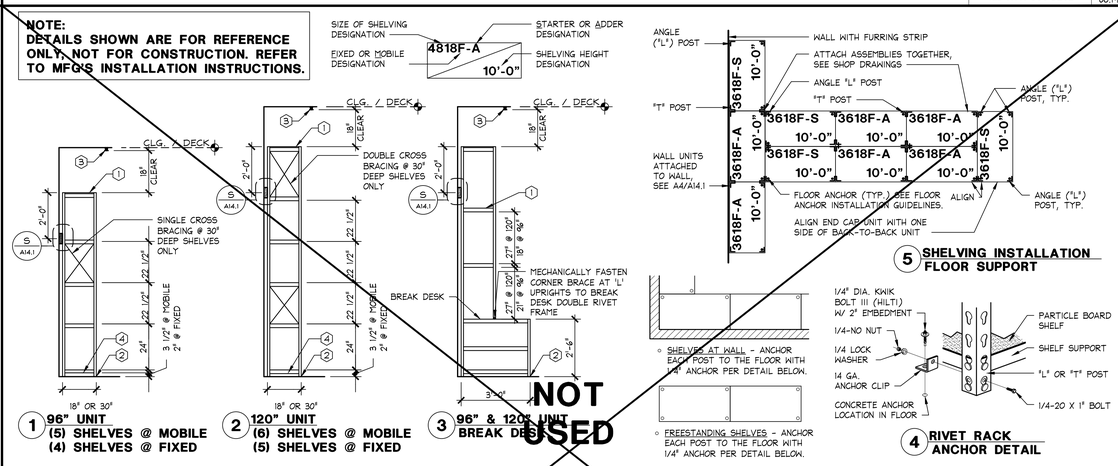
NON-SALES SHELVING AND HANGROD NOTES

1. HORIZONTAL 1 X 6 [25mm X 152mm] WOOD FURRING BY G.C. - FURRING IS TO BE SPACED SO THAT THE FURRING IS CENTERED AT EACH TOP (3) HOLES OF THE STANDARD AND EVERY OTHER HOLE TO THE BOTTOM OF THE STANDARD. FURRING IS TO BE WHITE PINE, #2 MINIMUM. KNOTS ARE TO BE NO CLOSER THAN 18" [457mm] APART.
2. 16" [406mm] DEEP SHELF BY G.C.
3. 14" [356mm] DEEP SHELF BY G.C.
4. PAINT 1X6 [25mm X 152mm] BLOCKING IN STANDARD FINISH RESTROOM AND OFFICE TO MATCH WALL
5. SHELF BRACKETS AND HOLD-DOWN CLIPS.
6. WALL STANDARDS - G.C. TO CUT TO LENGTH & INSTALL TO THE FURRING STRIPS, SEE DETAIL M1/A14.1 AND C-5/A14.1
7. FRICTION TYPE MOP HOLDER, SEE A/A13.1 FOR SPECIFICATION.
8. FRICTION TYPE HOSE HOLDER, SEE A/A13.1 FOR SPECIFICATION.
9. MOP SINK, SEE A13.1 FOR SPECIFICATION

STANDARDS AND BRACKET DETAILS

3/4" = 1'-0" | 42D-A141-C00-DETL | C | 08.19.22

NOTE:
DETAILS SHOWN ARE FOR REFERENCE ONLY. NOT FOR CONSTRUCTION. REFER TO MFGS INSTALLATION INSTRUCTIONS.



NOT USED

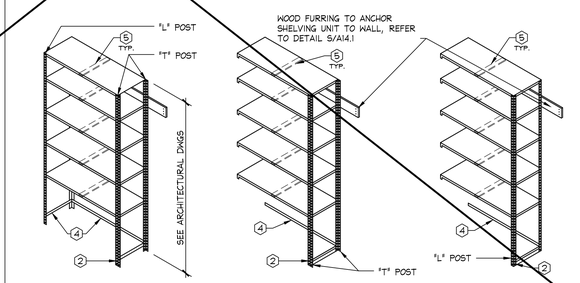
STOCKROOM SHELVING KEYNOTES

1. PARTICLE BOARD OR PERFORATED METAL SHELF, TYP.
2. (1) FLOOR ANCHOR PER DETAIL A4/A14.1 AT EVERY "L" AND "T" POST. "T" POSTS SHOULD BE ANCHORED ON OFFSIDE LOCATIONS ONLY. REFER TO MFG. INSTALLATION INSTRUCTIONS.
3. UNITS MUST BE 18" CLEAR BELOW SPRINKLER HEADS
4. DO NOT INSTALL BOTTOM SHELF. SIDE & REAR SHELF SUPPORTS TO BE INSTALLED.
5. CENTER SUPPORT TO BE INSTALLED ON ALL 30" DEEP SHELVES

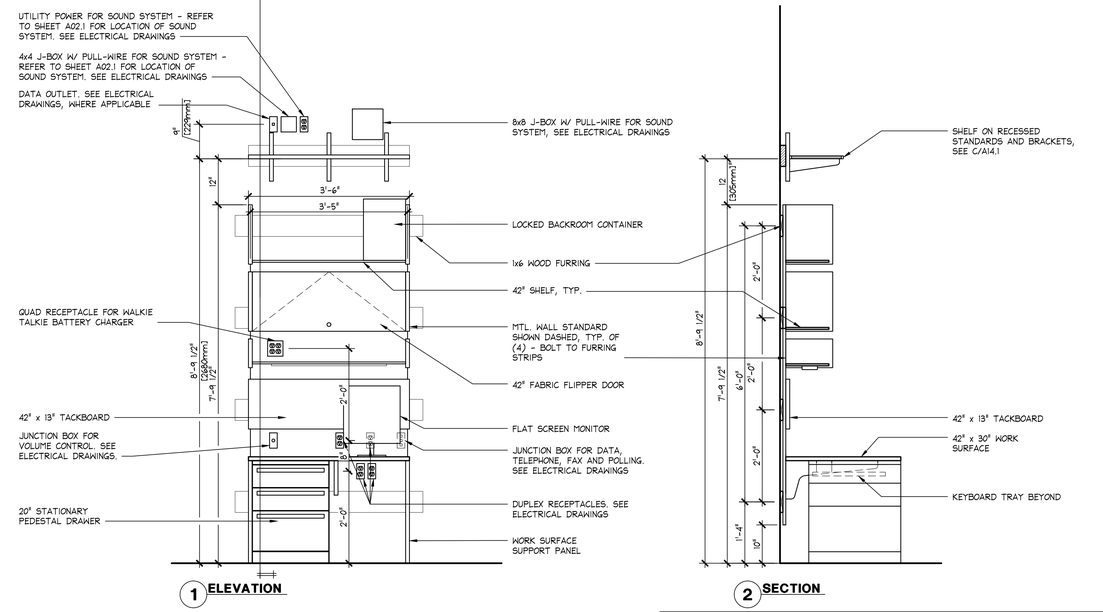
INSTALLATION NOTES

1. THESE DETAILS ARE FOR GENERAL INFORMATION ONLY. G.C. TO INSTALL SHELVING UNITS PER MANUFACTURES GUIDELINES.
2. G.C. TO SURVEY AND EVALUATE CONDITION AND LEVEL OF STOCKROOM FLOOR CONDITION FOR TRACK ATTACHMENT. CONSULT WITH MANUFACTURER FOR FLOOR TOLERANTS.
3. G.C. TO SECURE CONTINUOUS 1 X 6 WHITE PINE WOOD FURRING W/ MINIMUM KNOTS NO CLOSER THAN 18", TO EVERY WALL STUD TO ENSURE LATERAL STABILITY OF FULLY STOCKED WALL SHELVING, REFER TO DETAIL M/A14.1.
4. ASSEMBLE ALL UPRIGHT ASSEMBLIES PRIOR TO INSTALLING TRACK AND STATIONARY UNITS.
5. PLAN SEQUENCE OF EVENTS AND INSTALLATION PER MANUFACTURER'S INSTRUCTIONS TO ENSURE A FUNCTIONAL SYSTEM.

STARTER AND ADD-ON UNITS AXONOMETRIC



STARTER UNIT (S) | ADD-ON MIDDLE UNIT (A) | ADD-ON END UNIT (A)



NOTE:
REFER TO ELECTRICAL DRAWINGS FOR OUTLET AND POWER LOCATIONS

NOTE:
LAYOUT OF MANAGER'S WORKSTATION CAN BE MIRRORED. REFER TO PLAN LAYOUT FOR STORE SPECIFIC ORIENTATION.

NOTE:
MANAGER'S COUNTER, ACCESSORIES, SHELVES, HARDWARE & FILE CABINETS ARE PART OF KENWOOD OFFICE FURNITURE PACKAGE. G.C. TO ASSEMBLE & INSTALL PER MANUFACTURER'S INSTRUCTIONS.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
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MANAGERS WORKSTATION DETAILS - NS-53 (WITHOUT AV CABINET AND WITH MUSIC ABOVE)

3/4" = 1'-0" | 42D-A141-J00-DETL | J | 08.30.22

FIXED SHELVING UNIT DETAILS

PRCTI20221802

3/8" = 1'-0" | 42D-A141-A00-DETL | A | 12.11.20

GF
www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
t: 949 296 0450

8768 REGISTERED ARCHITECT
1/9/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO.: 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 231So.00
A/E PROJECT #: 20221012.0

REVISIONS:

	REQUIRED BY:	DESCRIPTION	DATE
1	BBW	REV1 - POR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

NON-SALES DETAILS

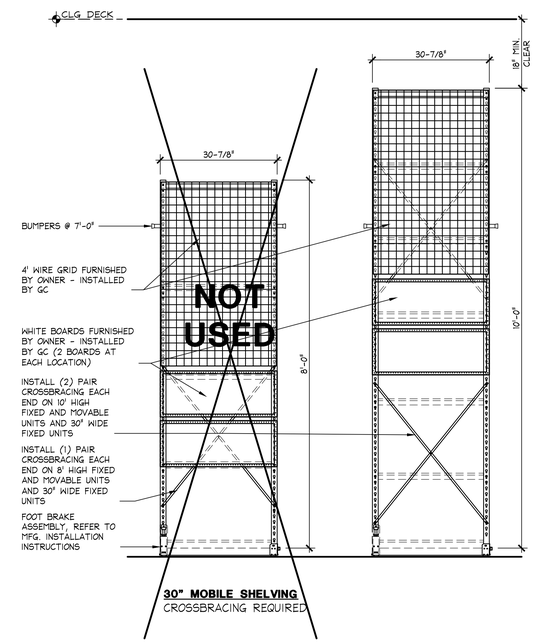
DRAWING NUMBER:
A14.1

Shelving units not part of this permit and no seismic restraint was submitted for review or approval.

NOTE:
DETAILS SHOWN ARE FOR REFERENCE ONLY AND NOT FOR CONSTRUCTION. REFER TO MFG'S INSTALLATION INSTRUCTIONS.

NOTE:
SHELVES SHOWN FOR REFERENCE ONLY. REFER TO DETAIL A/A14.1 FOR CORRECT SHELF SPACING.

NOTES:
1. DIAGONAL BRACING SHALL BE ATTACHED WITH TAMPER RESISTANT SCREWS.
2. INSTALL OWNER PROVIDED DECALS ON CROSS BRACING & SHELVING.
3. REFER TO MFG. INSTALLATION INSTRUCTIONS FOR CROSSBRACING DETAILS, ATTACHMENT AND SPACING



MOBILE SHELVING UNIT DETAILS

3/4" = 1'-0"
-

A
08.24.21

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t: 949 296 0450

8768 REGISTERED ARCHITECT
1/9/2023
DOUGLAS S. COUPER
STATE OF WASHINGTON

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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104.01.0737.01

PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 2315a.00
A/E PROJECT #: 20221012.0

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - PDR REVISION, DESIGN UPDATES, LL & BD COMMENTS	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: AKA
CHECKED BY: PV

NON-SALES DETAILS

DRAWING NUMBER:
A14.2

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DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

SECTION 007200 - GENERAL CONDITIONS

A. GENERAL CONDITIONS: THE OWNERS STANDARD GENERAL CONDITIONS FOR CONSTRUCTION IS INCORPORATED INTO THE CONTROLLING CONTRACT FOR CONSTRUCTION.
   1. A COPY WILL BE MADE AVAILABLE BY OWNER UPON REQUEST

SECTION 007300 - SUPPLEMENTARY CONDITIONS

A. CONDITIONS AND REQUIREMENTS: GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS AND DIVISION 1 - GENERAL REQUIREMENTS CONTAIN INFORMATION NECESSARY FOR COMPLETION OF EVERY PART OF PROJECT.

B. DIVISION 1: WHERE PROVISIONS OF GENERAL CONDITIONS RELATE TO PROJECT ADMINISTRATION OR WORK-RELATED REQUIREMENTS OF THE CONTRACT, THOSE PARAGRAPHS ARE EXPANDED IN DIVISION 1.

C. MISCELLANEOUS DEFINITIONS.
   1. APPROVED: REQUIRES WRITTEN ACTION BY OWNER'S PROJECT MANAGER AS DOES TERMS SUCH AS DIRECTED, SELECTED, REQUIRED, ORDERED, DESIGNATED, ACCEPTED, ACCEPTABLE, AND SATISFACTORY.
   2. FURNISH: SUPPLY AND DELIVER TO PROJECT, UNLESS OTHERWISE STATED IN GREATER DETAIL.
   3. INSTALL: OPERATIONS AT PROJECT, FROM INSPECTING TO UNLOADING, TO COMPLETION IN PLACE, READY FOR INTENDED USE.
   4. PROVIDE: FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE, UNLESS OTHERWISE STATED IN GREATER DETAIL.

DIVISION 01 - GENERAL REQUIREMENTS

SECTION 011100 - SUMMARY OF WORK

A. SCOPE: PROJECT CONSISTS OF CONSTRUCTION OF THE BATH & BODY WORKS AND/OR WHITE BARN CANDLE STORE AS INDICATED IN CONTRACT DOCUMENTS.
   1. ITEMS NOTED 'NIC' (NOT IN CONTRACT) WILL BE FURNISHED AND INSTALLED BY OWNER OR UNDER SEPARATE CONTRACT.
   2. HAZARDOUS MATERIALS: NOT IN CONTRACT; OWNER WILL PROVIDE FOR HANDLING OF HAZARDOUS MATERIALS UNDER SEPARATE CONTRACT PRIOR TO THIS PROJECT. IF HAZARDOUS MATERIALS ARE SUSPECTED, NOTIFY OWNER IMMEDIATELY.

B. WORK SEQUENCE: COORDINATE CONSTRUCTION SCHEDULE, OPERATIONS AND USE OF PREMISES WITH BUILDING MANAGEMENT.

C. CONTRACTOR USE OF PREMISES: LIMIT TO AREAS INDICATED ON DRAWINGS AND AS SPECIFIED, LIMIT ACCESS AS DIRECTED BY OWNER.

D. LINES AND LEVELS ENGINEERING: ESTABLISH LINES AND LEVELS BY USE OF RECOGNIZED ENGINEERING PRACTICES. LOCATED AND PROTECT CONTROL AND REFERENCE POINTS.

E. REGULATORY REQUIREMENTS: PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH APPLICABLE CODES. COMPLY WITH CODE REQUIREMENTS FOR CONSTRUCTION. INFORM ARCHITECT OF DISCREPANCIES OBSERVED OR NOTED BY OTHERS.

F. STANDARDS: COMPLY WITH STANDARDS REFERENCED EXCEPT WHERE MORE RIGID REQUIREMENTS ARE REQUIRED BY CODE. DATE OF STANDARD IS THAT IN EFFECT AS OF DATE DOCUMENTS ARE ISSUED, EXCEPT WHEN SPECIFIC DATE IS SPECIFIED.

G. OWNER FURNISHED, CONTRACTOR INSTALLED ITEMS: OWNER WILL ARRANGE FOR AND PAY FOR PRODUCT AS INDICATED ON DRAWINGS TO BE DELIVERED TO PROJECT SITE FOR CONTRACTOR INSTALLATION.
   1. CONTRACTOR SHALL INSPECT, RECEIVE, UNLOAD, STORE, INSTALL AND FINISH AS DIRECTED.

H. SUPERINTENDENT SHALL REMAIN ON JOBSITE THROUGH STORE OPENING & COMPLETION OF PUNCH-LIST.

SECTION 013000 - ADMINISTRATIVE REQUIREMENTS

A. PROCEDURES: CONTRACTOR SHALL REVIEW AND APPROVED SUBMITTALS PRIOR TO SUBMITTING TO OWNER'S PROJECT MANAGER; INFORM OWNER'S PROJECT MANAGER IN WRITING AT TIME OF SUBMISSION OF ANY PROPOSED DEVIATION FROM CONTRACT DOCUMENTS.
   1. SUBMITTAL BY CONTRACTOR REPRESENTS THAT FIELD MEASUREMENTS, FIELD CONSTRUCTION CRITERIA, MATERIALS, CATALOG NUMBERS AND SIMILAR DATA HAVE BEEN DETERMINED AND VERIFIED BY CONTRACTOR.

B. SHOP DRAWINGS: SUBMIT ONE REPRODUCIBLE AND TWO PRINTS; PROVIDE FOR CUSTOM PRODUCTS AND PRODUCTS NOT FULLY IDENTIFIED BY PRODUCT DATA.

C. PRODUCT DATA: SUBMIT NUMBER REQUIRED BY CONTRACTOR PLUS TWO FOR OWNER'S PROJECT MANAGE. INDICATE ITEM TO BE USED WHERE DATA FOR MORE THAN ONE PRODUCT OR OPTION IS INCLUDED; PROVIDE FOR EACH STOCK MANUFACTURED ITEM.

D. MANUFACTURER'S CERTIFICATES: PROVIDE TWO.

E. COORDINATION: COORDINATE USE OF PREMISES AND ACCESS TO SITE UNDER DIRECTION OF OWNER; COORDINATE WORK TO ASSURE EFFICIENT AND ORDERLY SEQUENCE OF INSTALLATION OF CONSTRUCTION ELEMENTS.
   1. MAKE PROVISIONS FOR OWNER INSTALLED ITEMS AND FOR SEPARATE CONTRACTS.
   2. VERIFY CHARACTERISTICS OF INTERRELATED OPERATING EQUIPMENT ARE COMPATIBLE; COORDINATE WORK HAVING INTERDEPENDENT RESPONSIBILITIES FOR INSTALLING, CONNECTION TO, AND PLACING SUCH EQUIPMENT IN SERVICE.
   3. COORDINATE SPACE REQUIREMENTS AND INSTALLATION OF MECHANICAL AND ELECTRICAL WORK; CONCEAL PIPES, DUCTS, AND WIRING IN FINISHED AREA; COORDINATE LOCATIONS OF FIXTURES AND OUTLETS WITH FINISHES.

SECTION 014000 - QUALITY REQUIREMENTS

A. GENERAL QUALITY CONTROL: MAINTAIN QUALITY CONTROL OVER SUPPLIERS, MANUFACTURERS, PRODUCTS, SERVICES, SITE CONDITIONS, AND WORKMANSHIP, TO PRODUCE WORK OF SPECIFIED QUALITY.

B. MANUFACTURER'S FIELD SERVICES: WHEN SPECIFIED IN RESPECTIVE SPECIFICATION SECTIONS REQUIRE MANUFACTURER OR SUPPLIER TO HAVE QUALIFIED PERSONNEL PROVIDE ON-SITE OBSERVATIONS AND RECOMMENDATIONS.
   1. REPRESENTATIVE SHALL:
      a. OBSERVE FIELD CONDITIONS, INCLUDING CONDITIONS OF SURFACES. OBSERVE QUALITY OF WORKMANSHIP AND METHODS OF INSTALLATION.
      b. PROVIDE RECOMMENDATIONS FOR INSTALLATION AND WORKMANSHIP.
      c. WHERE REQUIRED, START, TEST, AND ADJUST EQUIPMENT AS APPLICABLE.
      d. SUBMIT WRITTEN REPORT TO OWNER'S PROJECT MANAGER OF OBSERVATIONS.

C. MOCK-UPS: CONSTRUCT FIELD SAMPLES AND MOCK-UPS ON SITE AS REQUIRED.

D. TESTING LABORATORY SERVICES: TESTING SHALL BE BY AN APPROVED TESTING LABORATORY, AS REQUIRED BY SPECIFICATIONS AND BY APPLICABLE CODES.
   1. TESTING REQUIRED WILL BE PAID FOR BY OWNER EXCEPT RETESTING WILL BE PAID FOR BY CONTRACTOR WHERE REQUIRED BY FAILURE TO MEET ORIGINAL TESTS.
   2. CONTRACTOR SHALL FURNISH MATERIALS AND SAMPLES FOR TESTS AND SHALL ASSIST TESTING LABORATORY AS REQUESTED.

SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS

A. GENERAL: PROVIDE TEMPORARY CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS AS REQUIRED TO COMPLETE PROJECT IN ACCORDANCE WITH CONTRACT DOCUMENTS AND TO CONFORM WITH REQUIREMENTS OF APPLICABLE AUTHORITIES.
   1. CONTRACT GOVERNING AUTHORITIES TO ESTABLISH EXTENT OF TEMPORARY FACILITIES AND TEMPORARY CONTROLS REQUIRED BY AUTHORITIES.

B. TEMPORARY POWER: PROVIDE POWER SERVICE AND LIGHTING REQUIRED FOR OPERATIONS, WITH BRANCH WIRING AND DISTRIBUTION BOXES LOCATED TO ALLOW SERVICE AND LIGHTING BY MEANS OF CONSTRUCTION-TYPE POWER CORDS.

C. TEMPORARY LIGHTING: MINIMUM ILLUMINATION SHALL BE 5 FOOT - CANDLES FOR GENERAL CONSTRUCTION LIGHTING PER OSHA STANDARDS FOR CONSTRUCTION.

D. TEMPORARY WATER AND SANITARY SERVICES: PROVIDE AND MAINTAIN REQUIRED DRINKING WATER AND SANITARY FACILITIES WITH ENCLOSURES.

E. NOISE, DUST, AND POLLUTION CONTROL: PROVIDE MATERIALS AND EQUIPMENT NECESSARY TO COMPLY WITH LOCAL REQUIREMENTS FOR NOISE, DUST, AND POLLUTION CONTROL.

F. BARRIERS: PROVIDE AS REQUIRED TO PROTECT ADJACENT PROPERTIES FROM DAMAGE FROM OPERATIONS; AND AS REQUIRED BY GOVERNING AUTHORITIES.
   1. BARRICADE AS REQUIRED BY CITY OR LANDLORD, IN ACCORDANCE WITH ALL CODES, CRITERIA AND DETAILS.
   2. SECURITY: MAINTAIN SITE AND MATERIALS SECURE DURING CONSTRUCTION PERIOD.

F. CLEANING: CONTROL ACCUMULATION OF WASTE MATERIALS AND RUBBISH; DISPOSE OF OFF-SITE AT INTERVALS AND APPROVED BY OWNER'S PROJECT MANAGER AND ACCEPTABLE TO APPLICABLE AUTHORITIES.

G. SIGNS: SUBJECT TO APPROVAL OF OWNER'S PROJECT MANAGER.

H. STORAGE: LIMIT ON-SITE STORAGE TO AREAS DESIGNATED FOR CONSTRUCTION OPERATIONS AND APPROVED IN WRITING IN ADVANCE BY OWNER; PROVIDE ADDITIONAL WEATHER-TIGHT, SECURED OFF-SITE STORAGE AS REQUIRED.

I. REMOVAL AND CLEANING: REMOVE CONSTRUCTION FACILITIES, CLEAN AND REPAIR DAMAGE, IN EXCESS OF CONTRACT REQUIREMENTS, CAUSED BY OPERATIONS OR USE OF TEMPORARY FACILITIES.

SECTION 016000 - PRODUCT REQUIREMENTS

A. CONTRACT AMOUNT: BASE ON MATERIALS AND PRODUCTS IN CONTRACT DOCUMENTS; WHERE LISTED IN CONTRACT DOCUMENTS, MATERIALS AND PRODUCTS BY MANUFACTURERS NOT LISTED SHALL NOT BE USED WITHOUT WRITTEN APPROVAL.

B. PRODUCTS: COMPONENTS SUPPLIED IN QUANTITY SHALL BE INTERCHANGEABLE; PROVIDE NEW MATERIALS UNLESS OTHERWISE DIRECTED IN CONTRACT DOCUMENTS.

C. INSTALLATION: INSTALL ITEMS PLUMB, LEVEL AND SECURE, AND IN CORRECT RELATION TO ADJACENT PRODUCTS; SECURE IN PLACE WITH POSITIVE ANCHORAGE DEVICES DESIGNED AND SIZED TO WITHSTAND STRESSES, VIBRATION AND PACKAGING ASSEMBLY.
   1. COMPLY WITH MANUFACTURER RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE SPECIFIED.

D. TRANSPORTATION: TRANSPORT PRODUCTS TO AVOID PRODUCT DAMAGE, DELIVER IN UNDAMAGED CONDITION IN MANUFACTURER'S UNOPENED CONTAINERS OR PACKAGING.

E. HANDLING: PROVIDE EQUIPMENT AND PERSONNEL TO HANDLE PRODUCTS BY METHODS TO PREVENT SOILING AND DAMAGE. PROMPTLY INSPECT TO ASSURE PRODUCTS ARE CORRECT, COMPLETE, AND UNDAMAGED AND QUANTITIES ARE CORRECT.

F. STORAGE: STORE MATERIAL IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS, WITH SEALS AND LABELS INTACT AND LEGIBLE.

G. PROTECTION: PROVIDE COVERINGS TO PROTECT PRODUCTS FROM DAMAGE FROM TRAFFIC AND CONSTRUCTION OPERATIONS, REMOVE WHEN NO LONGER NEEDED.

H. SPECIFIED PRODUCTS: FOR PRODUCTS SPECIFIED BY NAMING ONE OR MORE PRODUCTS OR MANUFACTURERS, SELECT PRODUCTS OF ANY NAMED MANUFACTURER MEETING SPECIFICATIONS.

SECTION 016200 - PRODUCT OPTION

A. SUBSTITUTIONS AND PRODUCT OPTIONS: PROVIDE PRODUCTS INDICATED OR APPROVED; REQUESTS FOR SUBSTITUTIONS IN WRITING.
   1. CONTRACTOR OPTIONS: PROVIDE PRODUCTS AND MANUFACTURERS NAMED IN SPECIFICATIONS, SUBMIT REQUEST FOR SUBSTITUTION FOR PRODUCTS AND MANUFACTURERS NOT SPECIFICALLY NAMED WHERE NAMES ARE LISTED.

B. SUBSTITUTIONS: CONTRACTOR SHALL INVESTIGATE PROPOSED SUBSTITUTIONS AND DETERMINE IF EQUIVALENT TO PRODUCTS SPECIFIED. SUBMITTALS SHALL INCLUDE COST OR TIME BENEFITS FOR SUBSTITUTION; FAILURE TO INDICATE COST OR TIME BENEFITS IS JUSTIFICATION FOR REJECTION.

C. CONTRACTOR'S REPRESENTATION: REQUESTS CONSTITUTE THAT CONTRACTOR/(S) HAS INVESTIGATED PROPOSED PRODUCTS AND DETERMINES IT MEETS OR EXCEEDS SPECIFIED PRODUCTS AND WAIVES CLAIMS FOR ADDITIONAL COSTS THAT SUBSEQUENTLY BECOME APPARENT.

D. APPROVALS: OWNER'S PROJECT MANAGER SHALL BE JUDGE OF ACCEPTABILITY AND RESERVES RIGHT TO REJECT PROPOSED SUBSTITUTION BASED ON INSUFFICIENT INFORMATION; USE ONLY SUBSTITUTIONS APPROVED IN WRITING.

SECTION 017000 - EXECUTION AND CLOSEOUT PROCEDURES

A. INSTALLER QUALIFICATIONS: INSTALLERS TO HAVE MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE INSTALLING ITEMS SIMILAR TO THOSE REQUIRED FOR PROJECT, EXCEPT FOR INDIVIDUALS IN TRAINING UNDER DIRECT SUPERVISION OF EXPERIENCED INSTALLER.

B. EXAMINATION: BEGINNING INSTALLATION OF A PRODUCT SIGNIFIES INSTALLER HAS EXAMINED SUBSTRATES, AREAS, AND CONDITIONS FOR COMPLIANCE WITH MANUFACTURER REQUIREMENTS FOR TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE.

C. MANUFACTURER'S INSTRUCTIONS: WHEN WORK IS SPECIFIED TO COMPLY WITH MANUFACTURER'S RECOMMENDATIONS OR INSTRUCTIONS, DISTRIBUTE COPIES TO OWNER'S PROJECT MANAGER.

D. INSTALLATION: COMPLY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS UNLESS MORE RESTRICTIVE REQUIREMENTS ARE SPECIFIED.

E. PROTECTION: COVER PRODUCTS SUBJECT TO DETERIORATION WITH IMPERVIOUS SHEET, PROVIDE VENTILATION TO AVOID CONDENSATION AND TRAPPING WATER.

F. CUTTING AND PATCHING: CUT AND FIT COMPONENTS AS REQUIRED; PATCH DISTURBED AREAS TO MATCH ADJACENT MATERIALS AND FINISHES.
   1. REFINISHING: REFINISH ENTIRE SURFACES AS NECESSARY TO PROVIDE EVEN FINISH TO MATCH ADJACENT FINISHES; FOR CONTINUOUS SURFACES REFINISH TO NEAREST INTERSECTION, FOR AN ASSEMBLY REFINISH ENTIRE UNIT.

G. FINAL CLEANING: CLEAN INTERIOR AND EXTERIOR SURFACES EXPOSED TO VIEW, REMOVE TEMPORARY LABELS, STAINS AND FOREIGN SUBSTANCES, POLISH TRANSPARENT AND GLOSSY SURFACES; VACUUM CARPETED AND SOFT SURFACES; CLEAN DUCTS; CLEAN SITE.

H. SUBSTANTIAL COMPLETION: PROVIDE DOCUMENTATION STATING WORK HAS BEEN SUBSTANTIALLY COMPLETED. WHERE OWNER REQUIRES USE OF SPACE PRIOR TO FINAL COMPLETION, PROVIDE LIST OF ITEMS TO BE COMPLETED.
   1. OWNER'S PROJECT MANAGER WILL REVIEW LIST OF ANY ITEMS TO COMPLETED AND SUPPLEMENT LIST WITH ITEMS CONSIDERED TO BE INCOMPLETE OR UNACCEPTABLE.

I. FINAL COMPLETION: PROVIDE WRITTEN CERTIFICATION INDICATING WORK IS IN COMPLIANCE WITH CONTRACT DOCUMENTS, SYSTEMS HAVE BEEN TESTED AND ARE OPERATIONAL, AND WORK IS READY FOR FINAL INSPECTION.

J. PROJECT RECORD DOCUMENTS: MAINTAIN COMPLETE AND UP-TO-DATE RECORD DOCUMENTS; KEEP SEPARATE FROM FIELD DOCUMENTS. SUBMIT PROJECT RECORD DOCUMENTS, MATERIAL AND FINISH DATA, OPERATION AND INSTRUCTION MANUALS, WARRANTIES AND BONDS AT COMPLETION.
   1. SUBMIT BOUND IN 8-1/2" X 11" THREE RING BINDERS WITH DURABLE PLASTIC COVERS. ARRANGE IN FORMAT SIMILAR TO SPECIFICATIONS.

K. WARRANTIES: PROVIDE WARRANTIES AS INDICATED, SIGNED BY CONTRACTOR AND MANUFACTURER; FORM AS APPROVED BY OWNER PRIOR TO EXECUTION.
   1. WARRANTIES SHALL BE IN ADDITION TO AND NOT A LIMITATION OF OTHER RIGHTS OWNER MAY HAVE AGAINST CONTRACTOR UNDER CONTRACT DOCUMENTS AND AS PRESCRIBED BY LAW, REGARDLESS OF WORDING OF WARRANTY.
   2. PROVIDE A LIST OF SUBCONTRACTORS CONTACTS AND PHONE NUMBERS IN A FRAME MOUNTED ON OFFICE DOOR. INCLUDE THIS IN PROJECT CLOSEOUT PACKAGE.

SECTION 017300 - EXECUTION

A. SELECTIVE DEMOLITION: REMOVE FROM SITE EXISTING MATERIALS, CONSTRUCTION AND UTILITIES AS NEEDED TO COMPLETE PROJECT. REMOVE EXISTING ELEMENTS INDICATED AND ENCOUNTERED DURING CONSTRUCTION, AS NEEDED TO COMPLETE WORK.
   1. REMOVE ONLY THOSE ELEMENTS NECESSARY FOR COMPLETION OF PROJECT, REPLACE OR REPAIR ELEMENTS UNNECESSARILY REMOVED OR DAMAGED DURING CONSTRUCTION.

B. CAREFULLY REMOVE AND STORE ITEMS INDICATED FOR REUSE IN PROJECT AND COORDINATE WITH OTHER TRADES AND MODIFICATIONS AND REINSTALLATION.

C. PROTECTION: PREVENT MOVEMENT AND SETTLEMENT OF ADJACENT STRUCTURE, PROVIDE BRACING, SHORING, AND UNDERPINNING AS NEEDED AND BE RESPONSIBLE FOR SAFETY AND SUPPORT OF STRUCTURES. ASSUME LIABILITY FOR SUCH MOVEMENT AND SETTLEMENT.

D. UTILITIES: CONTACT APPLICABLE UTILITY COMPANIES PRIOR TO DISCONNECTING UTILITIES; DISCONTINUE WORK IF UNEXPECTED UTILITY LINES ARE ENCOUNTERED . DETERMINE LINE SOURCE AND USE PRIOR TO REMOVAL. CAP AND IDENTIFY.

SECTION 017900 - DEMONSTRATION AND TRAINING

A. SUMMARY: PROJECT INCLUDES SPECIAL FACILITY START-UP PROCESS TO BRING FACILITY TO FULLY OPERATIONAL STATE, FREE OF DEFICIENCIES, IN MOST EFFICIENT AND TIMELY MANNER ACHIEVABLE.

DIVISION 03 - CONCRETE

SECTION 035400 - CAST UNDERLAYMENT

A. GENERAL: PROVIDE POURED CEMENTITIOUS UNDERLAYMENT SYSTEM, NOT INTENDED AS FINISHED TRAFFIC SURFACE, INCLUDING ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.

B. SUBMITTALS: FURNISH MANUFACTURER'S LITERATURE.

C. INSTALLER: FIRM WITH MINIMUM 5 YEARS SUCCESSFUL EXPERIENCE REGULARLY ENGAGED IN INSTALLATION OF SPECIFIED MATERIALS, PROPERLY EQUIPPED AND ACCEPTABLE TO MANUFACTURER.

D. MANUFACTURER: ARDEX, INC./K-15; W.R.BONSAI CO./SELF-LEVELING WEAR TOPPING.

E. SYSTEM: POURABLE CEMENTITIOUS, HIGH-STRENGTH, FAST-SETTING, NON-SHRINK, SELF-LEVELING UNDERLAYMENT; MINIMUM 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS, ASTM C349. TOLERANCE IS TO BE 1/8" OVER TEN FEET.

F. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS

H. FURNISH AND INSTALL EPOXY BASED, OR APPROVED EQUAL, MANUFACTURER RECOMMENDED LEVELING COMPOUND AT SENSORMAT PANEL UNITS. (SEE DETAIL IN ELECTRICAL DRAWINGS.)

DIVISION 04 - MASONRY

SECTION 044000 - STONE ASSEMBLIES

G. GENERAL: PROVIDE STONE FABRICATIONS FOR CLADDING AS INDICATED ON DRAWINGS, INCLUDING ANCHORS, MORTAR, GROUT, AND ACCESSORIES AS REQUIRED FOR COMPLETE, FINISHED INSTALLATION.

H. QUALITY CONTROL: OBSERVE STONE DURING FABRICATION AND ENSURE CONSISTENCY OF APPEARANCE.
   1. DEFECTS AND BLEMISHES: CONTRASTING SPOTS, FOREIGN ELEMENTS, IRREGULAR COLOR VARIATIONS, AND IRREGULARITIES IN TYPICAL CHARACTERISTICS SHALL BE CONSIDERED DEFECTS AND BLEMISHES.

C. COMPOSITE STONE: AS INDICATED ON DRAWINGS; EACH TYPE OF STONE SHALL COME FROM A SINGLE MANUFACTURER TO ENSURE CONSISTENT COLOR.

D. MORTAR AND GROUT MATERIALS: ASTM C150, TYPE I PORTLAND CEMENT, ASTM C207, TYPE S HYDRATED LIME, AND ASTM C144 SAND, CLEAN, FREE OF HARMFUL SUBSTANCES; USE WHITE CEMENT AT COLORED MORTAR AND GROUT, COLOR TO MATCH STONE UNLESS OTHERWISE INDICATED.

E. ACCESSORIES: PROVIDE ACCESSORIES AS REQUIRED FOR COMPLETE SYSTEM.

F. FABRICATION: PROVIDE STONE WITH EXPOSED SURFACES SMOOTH, TRUE AND FLAT.

G. FABRICATION: FABRICATE AS SHOWN AND AS DETAILED ON FINAL SHOP DRAWINGS WITH EXPOSED SURFACES SMOOTH, TRUE, AND FLAT.
   1. CUT ACCURATELY TO SHAPE AND DIMENSIONS SHOWN ON FINAL SHOP DRAWINGS; COMPLY WITH FABRICATION TOLERANCES OF THE STONE ASSOCIATION (I.E. GRANITE INSTITUTE) FOR SPECIFIED FINISHES. ZERO TOLERANCE WHERE HAIRLINE JOINTS ARE REQUIRED.

H. INSTALLATION: DO NOT USE MATERIAL WITH CHIPS, CRACKS, VOIDS, DISCOLORATION OR OTHER DEFECTS THAT MIGHT BE VISIBLE OR CAUSE STAINING IN FINISHED WORK.
   1. STONE APPLICATION: INSTALL CURBS WITH SOFT STAINLESS STEEL WIRE ANCHORS, MINIMUM 1/8" DIAMETER SET WITH PORTLAND CEMENT WITH SHRINKAGE REDUCER (EXTERIOR); GROUT JOINTS.
   2. EXECUTE WORK WITH SKILLED MECHANICS AND EMPLOY SKILLED FITTERS AT SITE TO DO NECESSARY FIELD CUTTING AS STONE IS SET.

TOOL JOINTS SLIGHTLY CONCAVE.

DIVISION 05 - METALS

SECTION 055000 - METAL FABRICATIONS

A. GENERAL: PROVIDE MISCELLANEOUS METAL SHAPES AND FABRICATIONS AS REQUIRED AND NOT INCLUDED AS PART OF OTHER SECTIONS, WITH ANCHORS AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.

B. SUBMITTALS: FURNISH SHOP DRAWINGS FOR CUSTOM FABRICATIONS, PRODUCT DATA FOR MANUFACTURED ITEMS; PROVIDE TEMPLATES FOR ANCHOR INSTALLATION BY OTHERS.

C. STEEL SHAPES: ASTM A36 STEEL.

D. GROUT: PROVIDE NON-SHRINK, NONMETALLIC, PREMIXED, FACTORY PACKAGED, NON-STAINING, NON-CORROSIVE, NON-GASEOUS GROUT; TYPE SPECIFICALLY RECOMMENDED BY MANUFACTURER FOR APPLICATIONS INDICATED.

E. FASTENERS AND ROUGH HARDWARE: TYPE REQUIRED FOR SPECIFIC USAGE; PROVIDE ZINC-COATED FASTENERS FOR EXTERIOR USE OR WHERE BUILT INTO EXTERIOR WALLS.

F. WELDING MATERIALS: AWS D1.1, TYPE REQUIRED FOR MATERIALS BEING WELDED.

G. PAINT: PROVIDE PRIMERS AS RECOMMENDED BY PAINT MANUFACTURERS FOR SUBSTRATES AND PAINTS SPECIFIED IN SECTION 09900 - PAINTING.
   1. GALVANIZING REPAIR PAINT: HIGH ZINC-DUCT CONTENT PAINT FOR REGALVANIZING WELDS IN GALVANIZED STEEL.

H. FABRICATION: FABRICATE ITEMS WITH JOINTS NEATLY FITTED AND PROPERLY SECURED; GRIND EXPOSED WELDS CONTINUOUS, SMOOTH AND FLUSH WITH ADJACENT FINISHED SURFACES, AND EASE EXPOSED EDGES TO APPROXIMATE 1/32" UNIFORM RADIUS.
   1. MAKE EXPOSED JOINTS FLUSH BUTT TYPE, HAIRLINE JOINTS WHERE MECHANICALLY FASTENED.
   2. FIT AND SHOP ASSEMBLE IN LARGEST PRACTICAL SECTIONS FOR DELIVERY.
   3. FINISHES: GALVANIZE AND PRIME PAINT EXTERIOR MISCELLANEOUS METAL, PRIME PAINT INTERIOR MISCELLANEOUS METAL; GALVANIZE COATING MINIMUM G90 COATING, GALVANIZED AFTER FABRICATION.

I. CLEAN SURFACES OF RUST, SCALE, GREASE AND FOREIGN MATTER PRIOR TO APPLYING GALVANIZED OR PAINTED FINISH.

J. INSTALLATION: INSTALL ITEMS SQUARE AND LEVEL, ACCURATELY FITTED AND FREE FROM DISTORTION OR DEFECTS DETRIMENTAL TO APPEARANCE OR PERFORMANCE; ENSURE ALIGNMENT WITH ADJACENT CONSTRUCTION; COORDINATE WITH RELATED WORK TO ENSURE NO INTERRUPTION IN INSTALLATION.
   1. SUPPLY ITEMS REQUIRING TO BE CASE INTO OR EMBEDDED IN OTHER MATERIALS TO APPROPRIATE TRADES.
   2. AFTER INSTALLATION, TOUCHUP FIELD WELDS AND SCRATCHED AND DAMAGED SURFACES; USE PRIMER CONSISTENT WITH SHOP COAT OR RECOMMENDED FOR GALVANIZED SURFACES, AS APPLICABLE.

K. COLD-FORMED METAL FRAMING: CONFORM TO ASTM C955 & C1007 WHERE INDICATED ON DRAWINGS (SEE DIVISION 9 SECTION 092115 FOR METAL FRAMING NOT INDICATED ON DRAWINGS). PROVIDE ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION.

L. METAL BLOCKING: PRE-NOTCHED METAL BLOCKING TO BE NOTCH TITE BY METAL LITE INC. ANAHEIM, CA. (PH 1800-866-6824)

SECTION 057000 - DECORATIVE METALS

A. GENERAL: PROVIDE CUSTOM ORNAMENTAL METAL ITEMS AS INDICATED WITH ACCESSORIES AND ATTACHMENT DEVICES AS REQUIRED FOR COMPLETE, FINISHED INSTALLATION.
   1. ORNAMENTAL METAL ITEMS: INSTALL STAINLESS STEEL AND BREAK METAL SHAPES AS INDICATED ON DRAWINGS.

B. FABRICATOR: FIRM WITH MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE FABRICATING ORNAMENTAL METAL ITEMS SIMILAR TO THOSE REQUIRED FOR PROJECT.

C. STAINLESS STEEL: ASTM A666, TYPE 302/304 CORROSION RESISTANT STAINLESS STEEL WITH NO. 4 SATIN DIRECTIONAL FINISH.

D. BRACKETS AND ANCHORS: UNEXPOSED PLATES, ANGLES AND SUPPORTS MAY BE STEEL; EXPOSED ITEMS TO MATCH ORNAMENTAL METAL TYPE AND FINISH.

E. FASTENERS: TYPE REQUIRED FOR SPECIFIC USAGE; PROVIDE CONCEALED FASTENERS EXCEPT WHERE SPECIFICALLY APPROVED; WHERE EXPOSE MATCH TYPE AND FINISH OF METAL BEING FASTENED.
   1. CONCEALED STEEL FASTENERS: HOT-DIPPED GALVANIZED MINIMUM G90 WHERE BUILT INTO EXTERIOR WALLS OR SUBJECT TO HIGH HUMIDITY.

F. FABRICATION: FABRICATE COMPONENT CONNECTIONS TO SUPPORT SPECIFIED DESIGN LOADS.
   1. SELECT MATERIALS FOR STRAIGHTNESS, FREE OF DEFECTS AND IRREGULARITIES.
   2. EXPOSED-TO-VIEW SURFACES EXHIBITING PITTING, SEAM MARKS, ROLLER MARKS, 'OIL CANNING', STAINS, DISCOLORATION, AND IMPERFECTIONS ON FINISHED UNITS ARE NOT ACCEPTABLE.
   3. MAKER EXPOSED JOINTS FLUSH BUTT TYPE, HAIRLINE JOINTS WHER

b. MINIMUM 1/2" WIDE SEALANT JOINTS AT ALL PENETRATIONS THROUGH THE EIFS (WINDOWS, DOORS, ETC.).

c. INSTALL BACKER ROD AND SEALANT THAT HAS BEEN EVALUATED IN ACCORDANCE WITH ASTM C 1382, "TEST METHOD FOR DETERMINING TENSILE ADHESION PROPERTIES OF SEALANTS WHEN USED IN EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) JOINTS," AND THAT MEETS MINIMUM 50% ELONGATION AFTER CONDITIONING.

d. DESIGN JOINTS WITH SECONDARY MOISTURE PROTECTION AND DRAIN JOINTS TO THE EXTERIOR.

1. TRIM, PROJECTING ARCHITECTURAL FEATURES AND REVEALS
   a. ALL TRIM AND PROJECTING ARCHITECTURAL FEATURES MUST HAVE A MINIMUM 1.2 (27") SLOPE ALONG THEIR TOP SURFACE. ALL HORIZONTAL REVEALS MUST HAVE A MINIMUM 1.2 (27") SLOPE ALONG THEIR BOTTOM SURFACE.

6. FIRE PROTECTION
   a. DO NO USE FOAM PLASTIC IN EXCESS OF 4 " THICK. WHERE A FIRE-RESISTANCE RATING IS REQUIRED BY CODE USE EIFS OVER RATED ASSEMBLY.

1.04 SUBMITTALS
1. SAMPLES FOR APPROVAL AS DIRECTED BY BBWI PROJECT MANAGER.

2. PREPARE AND SUBMIT PROJECT-SPECIFIC DETAILS (WHEN REQUIRED BY CONTRACT DOCUMENTS).

1.05 QUALITY ASSURANCE
1. MANUFACTURER REQUIREMENTS
   a. MEMBER IN GOOD STANDING OF THE EIFS INDUSTRY MEMBERS ASSOCIATION (EIMA).

   b. SYSTEM MANUFACTURER FOR A MINIMUM OF TWENTY (20) YEARS. MANUFACTURING FACILITIES ISO 9002 CERTIFIED.

   c. MANUFACTURER'S WALL ASSEMBLY LISTED IN GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL.

2. CONTRACTOR REQUIREMENTS
   a. ENGAGED IN APPLICATION OF EIFS FOR A MINIMUM OF THREE (3) YEARS.

   b. KNOWLEDGEABLE IN THE PROPER USE AND HANDLING OF STO MATERIALS AND LISTED BY STO AS HAVING ATTENDED STO EIFS CONTINUING EDUCATION.

   c. EMPLOY SKILLED MECHANICS WHO ARE EXPERIENCED AND KNOWLEDGEABLE IN EIFS APPLICATION, AND FAMILIAR WITH THE REQUIREMENTS OF THE SPECIFIED WORK.

   d. SUCCESSFUL COMPLETION OF MINIMUM OF THREE (3) PROJECTS OF SIMILAR SIZE AND COMPLEXITY TO THE SPECIFIED PROJECT.

   e. PROVIDE THE PROPER EQUIPMENT, MANPOWER AND SUPERVISION ON THE JOB SITE TO INSTALL THE SYSTEM IN COMPLIANCE WITH STO'S PUBLISHED SPECIFICATIONS AND DETAILS AND THE PROJECT PLANS AND SPECIFICATIONS.

3. INSULATION BOARD MANUFACTURER REQUIREMENTS
   a. RECOGNIZED BY STO AS CAPABLE OF PRODUCING INSULATION BOARD TO MEET SYSTEM REQUIREMENTS, AND HOLD A VALID LICENSING AGREEMENT WITH STO.

   b. LISTED BY AN APPROVED AGENCY.

   c. LABEL INSULATION BOARD WITH INFORMATION REQUIRED BY STO, THE APPROVED LISTING AGENCY AND THE APPLICABLE BUILDING CODE.

1.06 DELIVERY, STORAGE AND HANDLING
1. DELIVER ALL MATERIALS IN THEIR ORIGINAL SEALED CONTAINERS BEARING MANUFACTURER'S NAME AND IDENTIFICATION OF PRODUCT.

2. PROTECT COATINGS (AIL PRODUCTS) FROM FREEZING AND TEMPERATURES IN EXCESS OF 90°F STORE AWAY FROM DIRECT SUNLIGHT.

3. PROTECT PORTLAND CEMENT BASED MATERIALS (BAG PRODUCTS) FROM MOISTURE AND HUMIDITY. STORE UNDER COVER OFF THE GROUND IN A DRY LOCATION.

1.07 PROJECT/SITE CONDITIONS
1. MAINTAIN AMBIENT AND SURFACE TEMPERATURES ABOVE 40°F DURING APPLICATION AND DRYING PERIOD, MINIMUM 24 HOURS AFTER APPLICATION OF EIFS.

2. PROVIDE SUPPLEMENTARY HEAT FOR INSTALLATION IN TEMPERATURES LESS THAN 40°F (4°C).

3. PROVIDE PROTECTION OF SURROUNDING AREAS AND ADJACENT SURFACES FROM APPLICATION OF MATERIALS.

1.08 COORDINATION/SCHEDULING
1. PROVIDE SITE GRADING SUCH THAT EIFS TERMINATES ABOVE FINISHED GRADE A MINIMUM OF 8" (203 MM) OR AS REQUIRED BY CODE.

2. PROVIDE PROTECTION OF ROUGH OPENINGS BEFORE INSTALLING WINDOWS, DOORS, AND OTHER PENETRATIONS THROUGH THE WALL AND PROVIDE SILL FLASHING.

3. INSTALL WINDOW AND DOOR HEAD FLASHING IMMEDIATELY AFTER WINDOWS AND DOORS ARE INSTALLED.

4. INSTALL DIVERTER FLASHING WHEREVER WATER CAN ENTER THE WALL ASSEMBLY TO DIRECT WATER TO THE EXTERIOR.

5. INSTALL COPINGS AND SEALANT IMMEDIATELY AFTER INSTALLATION OF THE EIF SYSTEM AND WHEN EIFS COATINGS ARE DRY.

6. ATTACH PENETRATIONS THROUGH EIFS TO STRUCTURAL SUPPORT AND PROVIDE WATER TIGHT SEAL AT PENETRATIONS.

1.09 WARRANTY
1. PROVIDE MANUFACTURER'S STANDARD LABOR AND MATERIAL WARRANTY.

A. PRODUCTS

2.01 MANUFACTURERS
1. PROVIDE EIF SYSTEM AND ACCESSORIES FROM SINGLE SOURCE MANUFACTURER OR APPROVED SUPPLIER.

2. THE FOLLOWING ARE ACCEPTABLE MANUFACTURERS:
   a. STO CORP. - EIF SYSTEM

   b. PLASTIC COMPONENTS, INC - ACCESSORIES

3. INDUSTRY STANDARD SYSTEM:
   a. INTERIOR: STOLIT CLASSIC

   b. EXTERIOR: STO CLASSIC NEXT 12 YEAR WARRANTY

2.02 SURFACE PREPARATION
1. LEVELER: STO LEVELER - ONE-COMPONENT, POLYMER MODIFIED, CEMENT BASED LEVELER WITH FIBER REINFORCEMENT IF REQUIRED IN UNEVEN RESTORATION SURFACE.

2.03 ADHESIVE
1. CEMENTITIOUS ADHESIVE
   a. STO BTS PLUS-ONE-COMPONENT, POLYMER-MODIFIED, CEMENT BASED HIGH BUILD ADHESIVE.

2. NON-CEMENTITIOUS ADHESIVE
   a. STO DISPERSION ADHESIVE-NON-CEMENTITIOUS, ACRYLIC BASED ADHESIVE

2.04 INSULATION BOARD
1. NOMINAL 1.0 LB/FT3 EXPANDED POLYSTYRENE (EPS) INSULATION BOARD IN COMPLIANCE WITH ASTM C 578 TYPE I REQUIREMENTS, AND EIMA GUIDELINE SPECIFICATION FOR EXPANDED POLYSTYRENE (EPS) INSULATION BOARD. USE NEWLY PACKAGED INSULATION BOARD ONLY.

2.05 BASE COAT
1. CEMENTITIOUS BASE COATS
   a. STO BTS PLUS-ONE-COMPONENT POLYMER MODIFIED CEMENT BASED HIGH BUILD BASE COAT WITH LESS THAN 33 % PORTLAND CEMENT CONTENT BY WEIGHT AND CAPABLE OF ACHIEVING MINIMUM 1/16" (1.6 MM) THICKNESS IN ONE PASS.

2. NONCEMENTITIOUS BASE COAT
   a. STO RFP-ONE COMPONENT READY MIXED NON-CEMENTITIOUS, FIBER REINFORCED ACRYLIC BASE COAT.

3. WATERPROOF BASE COAT
   a. STO FLEXYL - TWO COMPONENT FIBER REINFORCED ACRYLIC BASED WATERPROOF BASE COAT MIXED WITH PORTLAND CEMENT.

2.06 REINFORCING MESHES
1. ULTRA-HIGH IMPACT MESH (0' TO 6'-0")
   a. STO MESH: NOMINAL 4.5 OZ./YD2 (390 G/M2), OVER STO ARMOR MAT - NOMINAL 15 OZ/YD2 INTERWOVEN, OPEN WEAVE GLASS FIBER FABRIC WITH ALKALINE RESISTANT COATING FOR COMPATIBILITY WITH STO MATERIALS.

2. INTERMEDIATE MESH (ABOVE 6'-0")
   b. STO INTERMEDIATE MESH: NOMINAL 11 OZ./YD2 INTERWOVEN, OPEN WEAVE GLASS FIBER FABRIC WITH ALKALINE RESISTANT COATING FOR COMPATIBILITY WITH STO MATERIALS

2.07 PRIMER
1. STO PRIMER ACRYLIC BASED TINTED PRIMER.

2.08 FINISH COAT
1. STOLIT: .75 FREEFORM ACRYLIC BASED TEXTURED WALL COATING WITH GRADED MARBLE AGGREGATE. CUSTOM FINISH AS INDICATED ON STOREFRONT DRAWINGS (A08 SERIES).

2.09 MIXED INGREDIENTS
1. WATER: CLEAN AND POTABLE.

2. PORTLAND CEMENT: TYPE I IN CONFORMANCE WITH ASTM C 150.

2.10 ACCESSORIES
1. STARTER TRACK RIGID PVC (POLYVINYL CHLORIDE) PLASTIC TRACK PART NO. STDE AS FURNISHED BY PLASTIC COMPONENTS, INC., 9051 NW 97TH TERRACE, MIAMI, FLORIDA 33178 (1-800-327-7077).

2.11 MIXING
1. STO PLEX 91: ADD WATER AS DIRECTED ON LABELING.

2. STO LEVELER: MIX RATIO WITH WATER 6-7 QUARTS (5.7-6.6 L) OF CLEAN WATER PER 60 POUND (27.3 KG) BAG OF STO LEVELER. POUR WATER INTO A CLEAN MIXING PAIL. ADD STO LEVELER, MIX TO A UNIFORM CONSISTENCY AND ALLOW TO SET FOR APPROXIMATELY 5 MINUTES. ADJUST MIX IF NECESSARY WITH ADDITIONAL STO LEVELER OR WATER AND REMIX TO A UNIFORM TROWEL CONSISTENCY. AVOID RETEMPERING. KEEP MIX RATIO CONSISTENT. DO NO EXCEED MAXIMUM WATER AMOUNT IN MIX RATIO.

3. STO RFP: MIX WITH A CLEAN, RUST-FREE HIGH SPEED MIXER TO A UNIFORM CONSISTENCY.

4. STO FLEXYL: MIX RATIO WITH PORTLAND CEMENT: 1:1 RATIO BY WEIGHT. POUR STO FLEXYL INTO A CLEAN MIXING PAIL. ADD PORTLAND CEMENT, MIX TO A UNIFORM CONSISTENCY AND ALLOW TO SET FOR APPROXIMATELY FIVE MINUTES. ADJUST MIX IF NECESSARY WITH ADDITIONAL STO FLEXYL AND REMIX TO A UNIFORM TROWEL CONSISTENCY. AVOID RETEMPERING. KEEP MIX RATIO CONSISTENT.

5. STO PRIMER: MIX WITH A CLEAN, RUST-FREE HIGH SPEED MIXER TO A UNIFORM CONSISTENCY.

6. STOLIT: MIX WITH A CLEAN, RUST-FREE HIGH SPEED MIXER TO A UNIFORM CONSISTENCY. A SMALL AMOUNT OF WATER MAY BE ADDED TO ADJUST WORKABILITY. LIMIT ADDITION OF WATER TO AMOUNT NEEDED TO ACHIEVE THE FINISH TEXTURE.

7. MIX ONLY AS MUCH MATERIAL AS CAN READILY BE USED.

8. DO NOT USE ANTI-FREEZE COMPOUNDS OR OTHER ADDITIVES.

C. EXECUTION

3.01 ACCEPTABLE INSTALLERS
1. PREQUALIFY UNDER QUALITY ASSURANCE REQUIREMENTS OF THIS SPECIFICATION (SECTION 1.07.B).

3.02 EXAMINATION
1. INSPECT SURFACES FOR:
   a. CONTAMINATION: ALGAE, CHALKINESS, DIRT, DUST, EFFLORESCENCE, FORM OIL, FUNGUS, GREASE, LAITANCE, MILDEW OR OTHER FOREIGN SUBSTANCES.

   b. SURFACE ABSORPTION AND CHALKINESS.

   c. CRACKS: MEASURE CRACK WIDTH AND RECORD LOCATION OF CRACKS.

   d. DAMAGE AND DETERIORATION.

   e. MOISTURE CONTENT AND MOISTURE DAMAGE: USE A MOISTURE METER TO DETERMINE IF THE SURFACE IS DRY ENOUGH TO RECEIVE THE EIFS AND RECORD ANY AREAS OF MOISTURE DAMAGE.

   f. COMPLIANCE WITH SPECIFICATION TOLERANCES: RECORD AREAS THAT ARE OUT OF TOLERANCE (GREATER THAN 1/4" IN 8'-0" DEVIATION IN PLANE).

2. INSPECT SHEATHING APPLICATION FOR COMPLIANCE WITH APPLICABLE REQUIREMENT:
   a. EXTERIOR GYPSUM SHEATHING: GA-253

   b. EXTERIOR GRADE AND EXPOSURE 1 WOOD BASED SHEATHING: APA ENGINEERED WOOD ASSOCIATION E 30.

   c. GLASS MAT FACED GYPSUM SHEATHING: GEORGIA PACIFIC PUBLICATION 101514

   d. CEMENTITIOUS SHEATHING: CONSULT MANUFACTURER'S PUBLISHED RECOMMENDATIONS

3. REPORT DEVIATIONS FROM THE REQUIREMENTS OF PROJECT SPECIFICATIONS OR OTHER CONDITIONS THAT MIGHT ADVERSELY AFFECT THE EIFS INSTALLATION TO THE GENERAL CONTRACTOR. DO NOT START WORK UNTIL DEVIATIONS ARE CORRECTED.

3.03 SURFACE PREPARATION
1. REMOVE SURFACE CONTAMINANTS ON CONCRETE AND CONCRETE MASONRY SURFACES (REFER TO ASTM D 4258 AND D 4261).

2. APPLY CONDITIONER BY SPRAYER OR ROLLER TO CHALKING OR EXCESSIVELY ABSORPTIVE SURFACES.

3. REPLACE WEATHER-DAMAGED SHEATHING AND REPAIR DAMAGED OR CRACKED SURFACES.

4. LEVEL SURFACES TO COMPLY WITH REQUIRED TOLERANCES.

3.04 INSTALLATION
1. INSTALL EIFS IN COMPLIANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS (SEE ADDENDUM).

3.05 PROTECTION
1. PROVIDE PROTECTION OF INSTALLED MATERIALS FROM WATER INFILTRATION INTO OR BEHIND THEM.

2. PROVIDE PROTECTION OF INSTALLED MATERIALS FROM DUST, DIRT, PRECIPITATION, FREEZING AND CONTINUOUS HIGH HUMIDITY UNTIL THEY ARE FULLY DRY.

SECTION 075900 - ROOF REPAIRS

1. GENERAL: REPAIR EXISTING ROOFING SYSTEM AS REQUIRED FOR NEW CONSTRUCTION, WITH COMPONENTS AND ACCESSORIES AS REQUIRED FOR COMPLETE WEATHER TIGHT INSTALLATION.

2. STANDARDS: CONFORM TO NATIONAL ROOFING CONTRACTOR'S ASSOCIATION ROOFING AND WATERPROOFING MANUAL, 4TH OR 5TH EDITION.

3. WARRANTY: MAINTAIN ALL EXISTING WARRANTIES. PROVIDE FOR CORRECTING FAILURE OF ROOF REPAIRS TO RESIST PENETRATION OF WATER AND DAMAGE FROM WIND; WARRANTY PERIOD OF TWO YEARS.

4. ROOFING SYSTEM: MATCH EXISTING ROOFING, NO SUBSTITUTIONS PERMITTED; PROVIDE MATERIALS CAPABLE OF MAINTAINING EXISTING WARRANTIES; CONFORM TO REQUIREMENTS OF NRCA ROOFING MANUAL.
   a. SYSTEM: PROVIDE COMPLETE SYSTEM WITH ACCESSORIES AS REQUIRED FOR REPAIRS, INCLUDING INSULATION WHERE EXISTING ROOFING IS INSULATED.

5. ROOF SYSTEM REPAIRS: COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS AND NRCA RECOMMENDATIONS FOR ROOF TYPE SPECIFIED.
   b. REMOVE EXISTING ROOFING AS REQUIRED FOR PROJECT; REMOVE ONLY AS MUCH ROOFING AS CAN BE REPLACED IN SAME DAY UNLESS OTHERWISE APPROVED IN ADVANCE BY OWNER'S PROJECT MANAGER.

   c. INSPECT SUBSTRATES AND ROOF DECK TO ENSURE SUBSTRATES AND DECK ARE CLEAN AND SMOOTH, FREE OF DEPRESSIONS, WAVES OR PROJECTS, AND ARE PROPERLY SLOPE TO DRAINS, VALLEY, OR EAVES.

   d. INSULATION APPLICATION: ATTACH INSULATION IN ACCORDANCE WITH INSULATION MANUFACTURER'S INSTRUCTIONS AND NRCA RECOMMENDATIONS FOR INSTALLATION OF INSULATION ON DECK INVOLVED.

   e. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF COMPOSITE TYPE BASE, WALL AND FILED FLASHING.

   f. COORDINATE METAL FLASHING AND COUNTERFLASHING.

   g. COORDINATE INSTALLATION OF ROOF DRAINS AND RELATED FLASHING.

   h. MOP IN AND SEAL FLASHING AND FLANGES OF ITEMS PROJECTING THROUGH MEMBRANE.

SECTION 076000 - FLASHING AND SHEET METAL

A. GENERAL: PROVIDE FLASHING AND SHEET METAL, REGLETS, AND ACCESSORIES AS REQUIRED FOR ROOF REPAIRS AS REQUIRED FOR COMPLETE, WEATHER TIGHT INSTALLATION.

B. STANDARDS: CONFORM TO SMACNA "ARCHITECTURAL SHEET METAL MANUAL" REQUIREMENTS FOR FLASHING AND SHEET METAL.

C. DESIGN REQUIREMENTS: ALLOW FOR MOVEMENT OF COMPONENTS WITHOUT CAUSING BUCKLING, FAILURE OF JOINT SEALS, UNDUE STRESS ON FASTENERS OR OTHER DETRIMENTAL EFFECTS, WHEN SUBJECT TO 100 YEAR SEASONAL TEMPERATURE RANGES.

D. SUBMITTALS: FURNISH PRODUCT DATA FOR MANUFACTURED PRODUCTS.

E. WARRANTY: MAINTAIN ALL EXISTING WARRANTIES. CORRECT FAILURE OF METAL FLASHING SYSTEM TO RESIST PENETRATION OF WATER AND DAMAGE FROM WIND, WARRANTY PERIOD TWO YEARS.

F. FLASHING AND SHEET METAL: MATCH EXISTING, BUT NOT LESS THAT FOLLOWING.
1. GALVANIZED METAL FLASHING: ASTM A526 GALVANIZED STEEL WITH MINIMUM 0.02 AND WITH MINIMUM G90 GALVANIZED COATING; MINIMUM 24 GAGE.

2. PREFINISHED METAL FLASHING: 24 GAGE GALVANIZED STEEL WITH FACTORY FINISHED KYNAR 500 TYPE FLUROPOLYMER COATING AND STRIPPABLE PROTECTIVE FILM; COLOR AS SELECTED FROM MANUFACTURER'S FULL RANGE OF COLORS.

3. ALUMINUM FLASHING: ASTM B209, ALLOY AS REQUIRED TO MATCH FINISH SPECIFIED FOR OTHER ALUMINUM COMPONENTS; THICKNESS MINIMUM 0.050" AT FLASHING.

4. STAINLESS STEEL SHEET METAL: ASTM A666, 2D ANNEALED FINISH, SOFT TEMPER EXCEPT WHERE HARDER TEMPER IS REQUIRED FOR FORMING OR PERFORMANCE; 0.015" (28 GAGE) TYPICAL.

5. COPPER SHEET METAL: ASTM B370, COLD ROLLED 16 OZ. (0.0216") THICK; SOFT TEMPER WHERE REQUIRED FOR FORMING.

G. REGLETS: FRY/SPRINGLOK OR MM SYSTERMS/SNAP-TITE REGLETS, FABRICATE OF SAME METAL AS ADJACENT FLASHING AND SHEET METAL.

H. METAL TO METAL SEALANT: BUTYL TYPE: NON-STAINING, NON-CORROSIVE, NON-SHRINKING, NON-SAGGING, ULTRAVIOLET AND OZONE RESISTANT.

I. INSTALLATION: COMPLY WITH SMACNA MANUAL.
1. INSTALL METAL FLASHING AND SHEET METAL IN ACCORDANCE WITH SMACNA ARCHITECTURAL SHEET METAL MANUAL; TIGHT IN PLACE, WITH CORNER SQUARE, SURFACES TRUE AND STRAIGHT IN PLANES, AND LINES ACCURATE TO PROFILES AS INDICATED ON DRAWINGS.

2. INSTALL SEALANT WHERE REQUIRED TO PREVENT DIRECT WEATHER PENETRATION

3. COMPLETED INSTALLATION SHALL BE FREE OF RATTLES, NOISE DUE TO THERMAL AND AIR MOVEMENT, AND WIND WHISTLES.

SECTION 078100 - APPLIED FIREPROOFING

A. GENERAL: PATCH EXISTING FIREPROOFING AS REQUIRED BY APPLICABLE CODES FOR CONSTRUCTION TYPE; NO ASBESTOS PERMITTED.

B. DESIGN REQUIREMENTS: PROVIDE MATERIALS CAPABLE OF ATTAINING FIRE RATINGS AS REQUIRED FOR TYPE I, FIRE RESISTIVE CONSTRUCTION.

C. PERFORMANCE REQUIREMENTS: PROVIDE MATERIALS LISTED BY UL OR INDEPENDENT TESTING AND INSPECTION AGENCY ACCEPTABLE TO APPLICABLE AUTHORITIES.
1. FIRE RESISTANCE RATINGS: COMPLY WITH REQUIRED RATINGS BASED

2. SURFACE BURNING CHARACTERISTICS. MAXIMUM 25 FLAME SPREAD AND 25 SMOKE DENSITY WHEN TESTED IN ACCORDANCE WITH ASTM E84.

D. CERTIFICATE: SUBMIT MANUFACTURER CERTIFICATION INDICATING APPLICATOR ACCEPTABILITY AND MATERIAL COMPLACENT WITH APPLICABLE CODES AND CONTRACT DOCUMENTS.
1. CERTIFICATION SHALL INDICATE NEW MATERIALS USED TO PATCH EXISTING FIREPROOFED MEMBERS AT NEW AND EXISTING WORK ARE COMPATIBLE WITH EXISTING FIREPROOFING MATERIALS AND MEET ALL PERFORMANCE REQUIREMENTS.

E. QUALIFICATION OF APPLICATOR: FIRM ACCEPTABLE TO MANUFACTURER OF FIREPROOFING MATERIALS WITH MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE ON PROJECTS OF SIMILAR SCOPE.

F. MANUFACTURERS/PRODUCTS: MATCH EXISTING BUT NOT LESS THAN W.R. GRACE/MONOKOTE OR ALBI MANUFACTURING DIVISION STANCHEM/DURASPRAY.

G. INSTALLATION: INSTALL IN ACCORDANCE MANUFACTURER RECOMMENDATIONS AND FIRE TEST RESULTS AS REQUIRED TO PROVIDE REQUIRED FIRE RATINGS.
1. PROTECT ADJACENT SURFACES AND EQUIPMENT FROM DAMAGE BY OVER SPRAY, FALLOUT, AND DUSTING; MASK ADJACENT WORK AS REQUIRED. CLOSE OFF AND SEAL DUCT WORK IN AREAS WHERE FIREPROOFING IS BEING APPLIED.

2. CLEAN SUBSTRATE OF DIRT, DUST, GREASE, OIL, LOOSE MATERIAL, PAINTS, PRIMERS, AND OTHER MATTER WHICH AFFECTS BOND OF SPRAYED FIREPROOFING.

3. APPLY FIREPROOFING IN SUFFICIENT THICKNESS AND DENSITY TO ACHIEVE REQUIRED FIRE RATINGS.

4. APPLY FIREPROOFING OVER SUBSTRATE, BUILDING TO REQUIRED THICKNESS WITH AS MANY PASSES OR STAGES NECESSARY TO COVER WITH MONOLITHIC BLANKET OF UNIFORM DENSITY AND TEXTURE.

SECTION 078400 - FIRE STOPPING

A. GENERAL: PROVIDE PENETRATION-TYPE FIRE STOPPING FOR TIME-RATED FLOOR, WALL AND PARTITION ASSEMBLIES CAPABLE OF PREVENTING PASSAGE OF FLAME, SMOKE AND HOT GASES.

B. CODES: CONFORM TO APPLICABLE CODE REQUIREMENTS FOR BOTH F AND T RATINGS.

C. STANDARDS: PASS ASTM E814 THROUGH-PENETRATION FIRE STOPS, ASTM E119 FIRE TESTS AND ASTM E84 FLAME SPREAD/SMOKE CONSTRICTION MAXIMUM 25/25.

D. SUBMITTALS: FURNISH SHOP DRAWINGS, PRODUCT DATA, AND CERTIFICATES OF COMPLIANCE WITH CONTRACT DOCUMENTS, AND APPLICABLE CODES.

E. MANUFACTURERS: 3M/FIRE BARRIER, STI/SPECSEAL OR PENSIL, OR HILTI/FIRESTOP SYSTEMS.

F. GENERAL: CHOOSE PRODUCTS AND METHODS MEETING APPLICABLE CODES AND SPECIFICATION REQUIREMENTS FOR EACH FIRE STOPPING APPLICATION, SUBJECT TO OWNER'S PROJECT MANAGER'S ACCEPTANCE.

G. FIRE STOPPING MATERIALS: FURNISH MATERIALS FOR PENETRATIONS IN TIME-RATED FLOOR, WALL, AND PARTITION ASSEMBLIES CAPABLE OF PREVENT PASSAGE OF FLAME, SMOKE, AND HOT GASES.
1. PENETRATION TEST: FURNISH MATERIALS PASSING ASTM E814 FOR PENETRATION FIRE STOPPING INDICATING MAINTENANCE OF TIME-RATED ADJACENT ASSEMBLIES.
2. FIRE STOPPING: MAINTAIN FIRE RATING OF ASSEMBLY IN WHICH FIRE STOPPING IS INSTALLED, SUCH AS FLOOR, PARTITION, OR WALL, IN ACCORDANCE WITH ASTM E119 TEST.

H. INSTALLATION: INSTALL IN ACCORDANCE MANUFACTURER RECOMMENDATIONS AND FIRE TEST RESULTS AS REQUIRED TO PROVIDE REQUIRED FIRE RATINGS.
1. FIELD INSPECTIONS: MAINTAIN COPY OF MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS AT EACH WORK AREA..

SECTION 079200 - JOINT SEALERS

A. GENERAL: PROVIDE EXTERIOR AND INTERIOR JOINT SEALERS NOT PROVIDED ELSEWHERE; TYPE SUITABLE FOR APPLICATION INDICATED WITH ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.

B. INSTALLER QUALIFICATIONS: FIRM WITH MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE ON PROJECTS OF SIMILAR TYPE AND SIZE, USING SPECIFIED PRODUCTS.

C. WARRANTY: REPAIR OR REPLACE JOINT SEALERS WHICH FAIL TO PERFORM AS INTENDED BECAUSE OF LEAKING, CRUMBLING, HARDENING, SHRINKAGE, BLEEDING, SAGGING, STAINING AND LOSES OF ADHESION; WARRANTY PERIOD TWO YEARS.

D. EXTERIOR NON-TRAFFIC JOINTS: GE/SILPRUF, DOW/790-795, OR PECORA/864, LOW MODULES SILICONE SEALANT.

E. TRAFFIC BEARING JOINTS: MAMECO/VULKEM 245, OR PECORA/NR-200 UREXPAN, MULTI-COMPONENT POLYURETHANE, SELF-LEVELING JOINT SEALER.

F. MILDEW-RESISTANT SANITARY SEALANTS: GE/SANITARY SEALANT, DOW/BATHTUB CAULK, OR PECORA/863 #345 WHITE; PROVIDE AT INTERIOR AREAS WHERE SEALANT WILL BE EXPOSED TO WATER.

G. GENERAL INTERIOR JOINT SEALER: PECORA/AC-20 OR SONNEBORN/SONOLAC, ACRYLIC OR LATEX EMULSION.

H. MISCELLANEOUS MATERIALS: PRIMERS, SEALERS, JOINT CLEANERS, BOND BREAKER TAPE, AND SEALANT BACKER RODS AS RECOMMENDED BY SEALANT MANUFACTURER FOR APPLICATIONS INDICATED.

1. OVERSIZE BACKER ROD MINIMUM 30% TO 50% OF JOINT OPENING.

I. COLORS: AS INDICATED OR AS SELECTED BY OWNER'S PROJECT MANAGER FROM MANUFACTURER'S FULL RANGER OF COLORS.

J. PREPARATION: CLEAN JOINT SURFACES IMMEDIATELY BEFORE INSTALLATION OF JOINT SEALER, AND PRIME OR SEAL JOINT SURFACES AS RECOMMENDED BY MANUFACTURER.

K. INSTALLATION: COMPLY WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND ASTM C1193.
1. EMPLOY INSTALLATION TECHNIQUES WHICH WILL ENSURE JOINT SEALERS ARE DEPOSITED IN UNIFORM, CONTINUOUS RIBBONS WITHOUT GAPS OR AIR POCKETS, WITH COMPLETE "WETTING" OF BOND SURFACES.

DIVISION 08 - DOORS AND WINDOWS

SECTION 081000 - METAL DOORS AND FRAMES

A. GENERAL: PROVIDE STEEL DOORS AND FRAMES AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION; COORDINATE WITH SECTION 08700 - HARDWARE.

B. STANDARDS: COMPLY WITH STEEL DOOR INSTITUTE "STANDARD STEEL DOORS AND FRAMES OR NAAMM HOLLOW METAL MANUFACTURER'S ASSOCIATION "HOLLOW METAL MANUAL."
1. FIRE RATED STANDARDS: FURNISH MATERIALS TESTED, LABELED AND INSPECTED BY UL, WARNOCK HERESY, OR TESTING AGENCY ACCEPTABLE TO APPLICABLE AUTHORITIES.

C. SUBMITTALS: SUBMIT PRODUCT DATA.

D. MANUFACTURERS: AMWELD, CECO, PIONEER, OR APPROVED EQUAL.

E. HOLLOW METAL DOORS: FLUSH HOLLOW METAL DOORS FULL FLUSH TYPE; SDI MODEL 1, NAAMM TYPE B FULL FLUSH WITH UNFILLED EDGE; CLOSE TOP AT EXTERIOR DOORS.
1. CORE: PROVIDE STEEL STIFFENED CORE; INSULATED AT EXTERIOR DOORS.

2. GAGE: PROVIDE MINIMUM 18 GAGE AT INTERIOR DOORS, MINIMUM 16 GAGE AT EXTERIOR DOORS.

F. PRESSED STEEL (HOLLOW METAL) FRAMES. MINIMUM 16 GAGE KNOCKDOWN (FIELD-ASSEMBLED) FRAMES.

G. FIRE RATED UNITS: CONFORM TO NFPA 80; PROVIDE UL OR WARNOCK HERESY LABELED DOORS AND FRAMES AS REQUIRED.

H. ACCESSORIES: PROVIDE DOOR SILENCERS, ANCHORS, AND ACCESSORIES.

I. FABRICATION: CONFORM TO REQUIREMENTS OF SDI OR NAAMM.
1. DOOR SILENCERS: PLACE MINIMUM THREE SINGLE BUMPERS ON SINGLE DOOR FRAMES, SPACE EQUALLY ALONG STRIKE JAMBS; PLACE TWO SINGLE BUMPERS ON DOUBLE DOOR FRAME HEADS.

J. FINISH: PRIME PAINT INTERIOR UNITS, GALVANIZE AND PRIME PAINT EXTERIOR UNITS; MINIMUM A60 GALVANIZING; CLEAN, DEGREASE AND FACTORY PRIME PAINT.

K. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND EITHER SDI OR NAAMM STANDARDS.
1. INSTALL FIRE RATED UNITS IN CONFORMANCE WITH FIRE LABEL REQUIREMENTS AND NFPA 80.
2. INSTALL DOORS AND FRAMES PLUMB AND SQUARE, AND WITH MAXIMUM DIAGONAL DISTORTION OF 1/16".

SECTION 081400 - WOOD DOORS

A. GENERAL: INSTALL WOOD DOORS AND WOOD DOOR FRAMES AS REQUIRED FOR COMPLETE INSTALLATION; COORDINATE WITH HARDWARE IN SECTION 08700.

B. STANDARDS: COMPLY WITH NATIONAL WOOD WINDOW AND DOOR ASSOCIATION (NWWDA) INDUSTRY STANDARDS FOR WOOD DOORS.

C. PROJECT CONDITIONS: DO NOT DELIVER OR INSTALL DOORS UNTIL CONDITIONS FOR TEMPERATURE AND RELATIVE HUMIDITY HAVE BEEN STABILIZED IN ACCORDANCE WITH REFERENCED STANDARDS REQUIREMENTS APPLICABLE TO PROJECT LOCATION.

D. WARRANTY: PROVIDE FOR REHANGING WOOD DOORS EXHIBITING DEFECTS IN WORKMANSHIP. WARRANTY PERIOD TWO YEARS.

E. INSTALLATION: INSTALL WOOD DOORS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS, AND REFERENCE STANDARDS, PLUMB AND SQUARE, AND WITH MAXIMUM DIAGONAL DISTORTION OF 1/16".

F. PROTECTION: PROTECT DOORS AS RECOMMENDED BY DOOR MANUFACTURER TO ENSURE DOORS ARE WITHOUT DAMAGE AT TIME OF SUBSTANTIAL COMPLETION.

SECTION 083100 - ACCESS DOORS AND PANELS

A. GENERAL: PROVIDE ACCESS DOORS AS REQUIRED FOR ACCESS TO VALVES AND CONTROLS LOCATED BEHIND FINISHED WALLS AND CEILINGS NOT OTHERWISE ACCESSIBLE, WITH ACCESSORIES FOR COMPLETE INSTALLATION.
1. COORDINATE WITH VARIOUS TRADES FOR CONTROLS AND VALVES WHICH MAY BE CONCEALED.

B. SUBMITTALS: FURNISH PRODUCT DATA FOR EACH TYPE OF ACCESS DOOR AND PANEL.

C. MANUFACTURERS: STEALTH, AVAILABLE THROUGH MDI SUPPLY (888-634-3667) AND SEVERAL OTHER SUPPLIERS; KARP ASSOCIATES INC., MASPETH, N.Y. (718-784-2105)
1. SALES AREA (NON-RATED): STEALTH DROP-IN STYLE CEILING ACCESS PANEL WITH ROUNDED CORNERS, SEE CEILING PLAN FOR SIZES AND LOCATIONS.
2. SALES AREA (RATED): KARP MODEL #KATR PRIME COATED STEEL WITH STAINLESS STEEL CAM LATCH ON RECESSED DOOR. SEE CEILING PLAN FOR SIZES AND LOCATIONS.
3. NON-SALES AREA (NON-RATED): KARP MODEL #DSC-214M. PRIME COATED STEEL WITH STUD LATCH. SEE CEILING PLAN FOR SIZES AND LOCATIONS.
4. 4. NON-SALES AREA (RATED): KARP MODEL #KCP-150FR PRIME COATED STEEL WITH RING TURN LATCH. SEE CEILING PLAN FOR SIZES AND LOCATIONS.

F. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND APPLICABLE REQUIREMENTS FOR FIRE RATINGS.
1. SET FRAMES ACCURATELY IN POSITION AND SECURELY ATTACH TO SUPPORTS WITH FACE PANELS PLUMB OR LEVEL IN RELATION TO ADJACENT FINISH SURFACES.
2. ADJUST HARDWARE AND DOORS AFTER INSTALLATION FOR PROPER OPERATION.
3. REMOVE AND REPLACE DOORS OR FRAMES WHICH ARE WARPED, BOWED OR OTHERWISE DAMAGED.

**SECTION 083220 - SLIDING AND STAC

C. FULLY TEMPERED ULTRACLEAR (LOW IRON) FLOAT GLASS (GL#_): ASTM C 1048, KIND FT, CONDITION A, TYPE 1, CLASS 1, QUALITY-Q3, WITH VISIBLE LIGHT TRANSMISSION OF NOT LESS THAN 91 PERCENT; THICKNESS (10MM) (13MM).
D. FULLY TEMPERED TINTED FLOAT GLASS (GL#_): ASTM C1048, KIND FT, CONDITION A, TYPE 1, CLASS 2, QUALITY-Q3; THICKNESS (10MM) (13MM).
E. LAMINATED FULLY TEMPERED CLEAR FLOAT GLASS (GL#_) ASTM C1172; CONSISTING OF TWO PLIES OF 6MM THICK GLASS WITH INTERIOR LAYER OF 0.060" THICK CLEAR POLYBUTYRAL; UNIT THICKNESS 13MM.

PART 3 EXECUTION

3.01 EXAMINATION
A. EXAMINE PARTITION SUBSTRATES TO DETERMINE IF WORK IS WITHIN GLASS PANEL PARTITION MANUFACTURER'S REQUIRED TOLERANCES AND READY TO RECEIVE WORK. PROCEED WITH INSTALLATION OF PARTITIONS ONCE CONDITIONS AFFECTING INSTALLATION AND PERFORMANCE OF PARTITIONS MEET MANUFACTURER'S REQUIREMENTS.

3.02 PARTITION INSTALLATION
A. GENERAL: COMPLY WITH GLASS PANEL PARTITION MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND APPROVED SHOP DRAWINGS.
B. INSTALL GLASS PANEL PARTITIONS AFTER OTHER FINISHING OPERATIONS HAVE BEEN COMPLETED.
C. SET UNITS LEVEL, PLUMB, AND TRUE TO LINE, WITH UNIFORM JOINTS.
D. FASTEN GLASS PANEL PARTITION TRACK AND SILL TO BUILDING STRUCTURE AND SUPPORTS AS INDICATED ON APPROVED SHOP DRAWINGS, UTILIZING APPROVED FASTENERS AND SPACING.
E. SET, SEAL, AND GROUT FLOOR CLOSER CASES.

3.03 ADJUSTING
A. ADJUST DOOR CLOSERS TO REQUIRED TIMING AND FORCE.
B. ADJUST LATCHES AND LOCKS FOR SMOOTH OPERATIONS.
C. TEST AND ADJUST HARDWARE LINKED TO ACCESS CONTROL SYSTEM.
D. REPLACE DAMAGED PANELS AND ACCESSORIES.

3.04 CLEANING
A. CLEAN GLASS PANELS IN ACCORDANCE WITH GLASS MANUFACTURER'S WRITTEN INSTRUCTIONS. DO NOT USE CLEANING AGENTS OR METHODS NOT APPROVED BY GLASS MANUFACTURER.
B. CLEAN EXPOSED METAL SURFACES TO FACTORY NEW APPEARANCE.

SECTION 083328 - OVERHEAD COILING GRILLES

PART 1 - GENERAL
1.01 SECTION INCLUDES
A. ALUMINUM OVERHEAD COILING GRILLES.

1.02 SUBMITTALS: SEE SECTION 013000

1.03 SUMMARY
A. ROLLING GRILLE PROVIDED AND INSTALLED BY BBWI. GENERAL CONTRACTOR TO VERIFY GRILLE IS TRUE, PLUMB, AND OPERATING PROPERLY, BEFORE INSTALLER LEAVES PREMISES

PART 2 - PRODUCT
2.01 MANUFACTURERS
A. DAGENDOR LTD, 504 RIVIERE S., ST-EUSTACHE, QC J7R 0E2, (800) 301-0097

PART 3 - EXECUTION
3.01 PREPARATION
A. PREPARE OPENING(S) TO RECEIVE GRILLE(S) AS REQUIRED BY MANUFACTURER.
B. GENERAL CONTRACTOR TO SUPPLY GRILLE INSTALLERS WITH FINISH FLOOR ELEVATION FOR PROPER INSTALLATION OF GRILLE LOCK AS WELL AS PRECISE GRILLE LOCATION ON FLOOR LAYOUT.

3.02 INSTALLATION (BY VENDOR INSTALLERS)
A. INSTALL AS SHOWN ON DRAWINGS IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS ADJUST FOR SMOOTH AND EASY OPERATION.
B. CAREFULLY COORDINATE INSTALLATION AND HOOK-UP OF ROLLING GRILLE WITH ALL AFFECTED TRADES. REFER TO DOOR SCHEDULE

SECTION 083516 - SLIDING GRILLES

PART 1 - GENERAL
1.01 SECTION INCLUDES
A. MANUALLY - OPERATED SLIDING SECURITY GRILLES
B. RELATED SECTIONS
1. SECTION 055000-METAL FABRICATIONS - FOR MISCELLANEOUS STEEL SUPPORT BRACKETS AND GUIDES.
1.02 REFERENCES
A. AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION. (AAMA):
1. AAMA 611, VOLUNTARY SPECIFICATION FOR ANODIZED ARCHITECTURAL ALUMINUM.
B. ASTM INTERNATIONAL:
1. ASTM B 221, STANDARD SPECIFICATION FOR ALUMINUM AND ALUMINUM ALLOY EXTRUDED BARS, RODS, WIRE, PROFILES AND TUBES.
1.03 SUBMITTALS
A. PRODUCT DATA: MANUFACTURER'S PRINTED PRODUCT INFORMATION IDENTIFYING ALL COMPONENTS, FINISHES AND OPTIONS.
B. SHOP DRAWINGS: SHOW EACH INSTALLATION INCLUDING COMPONENTS NOT DIMENSIONED OR DETAILED IN PRODUCT DATA. INCLUDE ELEVATIONS, PLANS, SECTIONS, DETAILS AND ATTACHMENT TO OTHER WORK.
C. SAMPLES: FOR EACH TYPE OF EXPOSED FINISH REQUIRED.
1.04 QUALITY ASSURANCE
A. SOURCE LIMITATIONS: OBTAIN FOLDING METAL GRILLES SPECIFIED IN THIS SECTION THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER.
1.05 DELIVERY, STORAGE AND HANDLING
A. DELIVER FOLDING METAL GRILLES IN MANUFACTURER'S ORIGINAL, UNDAMAGED AND UNOPENED CONTAINERS. PROVIDE IDENTIFICATION LABELS ON EACH CONTAINER.
B. STORE FOLDING GRILLES IN LOCATIONS PROTECTED FROM WEATHER AND DAMAGE FROM CONSTRUCTION OPERATIONS.
1.06 PROJECT CONDITIONS
A. FIELD MEASUREMENTS: VERIFY DIMENSIONS OF OPENINGS WHERE FOLDING GRILLES ARE INDICATED TO BE INSTALLED. INDICATE MEASUREMENTS ON SHOP DRAWINGS.
1.07 WARRANTY
A. WARRANTY: MANUFACTURERS STANDARD WARRANTY IN WHICH MANUFACTURER AGREES TO REPLACE HINGED PANEL SECTIONS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD.
PART 2 - PRODUCT
2.01 MANUFACTURERS
A. DAGENDOR, PHONE (800) 301-0097 / (450) 491-1050, EMAIL DAGENDOR@DAGENDOR.COM., WEBSITE WWW.DAGENDOR.COM

SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

D. GENERAL: PROVIDE EXTRUDED ALUMINUM ENTRANCE SYSTEM WITH DOORS, FRAMES, HARDWARE, ANCHORAGE MATERIAL, AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.

E. STANDARDS: COMPLY WITH ARCHITECTURAL ALUMINUM MANUFACTURERS ASSOCIATION (AAMA) "ALUMINUM STORE FRONT AND ENTRANCE MANUAL."
F. CODES AND REGULATIONS: COMPLY WITH APPLICABLE CODES AND REGULATIONS.

G. SUBMITTALS: FURNISH MANUFACTURER'S LITERATURE, SHOP DRAWINGS, AND SAMPLES

H. STRUCTURAL CERTIFICATES: PROVIDE CERTIFICATION BY STATE REGISTERED ENGINEER INDICATING SYSTEM COMPLIES WITH CONTRACT DOCUMENTS AND APPLICABLE CODES.

I. SPECIAL PROJECT WARRANTY: PROVIDE FOR CORRECTING FAILURES INCLUDING WIND DAMAGE AND WATER PENETRATION TO INTERIOR SURFACES, EXCESSIVE DEFLECTIONS, AND DETERIORATION OF FINISHES, WEATHER-STRIPPING AND ACCESSORIES. SPECIAL WARRANTY PERIOD SHALL BE TWO YEARS.

J. MANUFACTURERS: AS INDICATED IN DRAWINGS OR APPROVED EQUAL.

K. STOREFRONT: EXTRUDED ALUMINUM ENTRANCE SYSTEM AS INDICATED ON DRAWINGS.
1. ALUMINUM TYPE: AS RECOMMENDED BY MANUFACTURER FOR APPLICATION INDICATED, BUT NOT LESS THAN EXTRUDED ALUMINUM, ASTM B221, 6061 OR 6063 ALLOW AND T5 OR T6 TEMPER.
2. FINISH: "70% KYNAR, AAMA 2605, BONE WHITE LT609-50" AS INDICATED IN DRAWINGS.
3. INTERIOR STOREFRONT FINISH: MANUFACTURER'S STANDARD CLEAR ANODIZED FINISH AS INDICATED ON DRAWINGS.

L. GLAZING: SEE SECTION 088100
1. APPLIED GLAZING FILM: APPLY 3M FILM ON ALUMINUM FRAMED STOREFRONT GLASS WHERE INDICATED ON DRAWINGS.

J. GLAZING ACCESSORIES: OF TYPE RECOMMENDED BY MANUFACTURER TO SUIT SECURITY LOCATIONS AND APPLICATIONS FOR DRY GLAZING INSTALLATION.

K. MISCELLANEOUS MATERIALS:
1. STEEL REINFORCEMENT AND BRACKETS: MANUFACTURER'S STANDARD WITH MINIMUM 2 OZ. HOT-DIP ZINC COATING, ASTM A123, APPLIED AFTER FABRICATION.
2. BITUMINOUS PAINT: COLD-APPLIED MASTIC, SSPC PAINT 12, COMPOUND FOR 30 MIL THICKNESS PER COAT.
3. FLASHING: PROVIDE SUB-SILL FLASHING MEMBERS, MINIMUM 22 GAGE SHEET ALUMINUM OF SIZES AND SHAPED INDICATED AND AS REQUIRED TO DRAIN WATER TO EXTERIOR; MATCH ADJACENT ALUMINUM MEMBER FINISH.
4. ANCHORING DEVICES: CORROSION RESISTANT TYPE CAPABLE OF SUPPORTING ENTRANCE SYSTEM AND SUPERIMPOSED DESIGN LOADS; DESIGN TO ALLOW ADJUSTMENTS OF SYSTEM PRIOR TO BEING PERMANENTLY FASTENED IN PLACE.

L. FABRICATION: FABRICATE ALUMINUM ENTRANCE AND STOREFRONT SYSTEM TO ALLOW FOR CLEARANCES AND SHIM SPACING AROUND PERIMETER OF ASSEMBLIES TO ENABLE INSTALLATION; PROVIDE FOR THERMAL MOVEMENT.
1. ACCURATELY FIT TOGETHER JOINTS AND CORNERS; MATCH COMPONENTS ENSURING CONTINUITY OF LINE AND DESIGN' ENSURE JOINTS AND CONNECTIONS ARE FLUSH, HAIRLINE AND WEATHERPROOF.
2. SEPARATE DISSIMILAR MATERIALS WITH BITUMINOUS PAINT OR PERFORMED SEPARATORS WHICH WILL PREVENT CORROSION.

M. INSTALLATION: INSTALL ALUMINUM FRAMED STOREFRONT ASSEMBLIES, INCLUDING ENTRANCES, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND TO MEET DESIGN REQUIREMENTS INDICATED.
1. ENSURE ASSEMBLIES ARE PLUMB, LEVEL AND FREE OF WARP OR TWIST, MAINTAIN DIMENSIONAL TOLERANCES AND ALIGN'MENT WITH ADJACENT WORK.
2. USE SUFFICIENT ANCHORAGE DEVICES TO SECURELY AND RIGIDLY FASTEN ASSEMBLIES TO BUILDING.
3. INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, USING PROPER TEMPLATES. COORDINATE INSTALLATION OF CYLINDERS WITH SECTION 08700.
4. INSTALL SILL MEMBERS AND THRESHOLDS IN BED OF COMPOUND, JOINT FILLERS OR GASKETS TO PROVIDE WEATHER TIGHT CONSTRUCTION.
5. GLASS INSTALLATION: COMPLY WITH GANA GLAZING MANUAL AND GLAZING MANUFACTURER INSTRUCTIONS. DO NOT ALLOW GLASS TO TOUCH ANY METAL SURFACES.

N. ADDITIONAL REQUIREMENTS FOR EXTERIOR STOREFRONT SYSTEMS IN HURRICANE PRONE REGIONS. (FOR WINDSPEED GREATER THAN 90 M.P.H. ALONG U.S. ATLANTIC COAST AND GULF OF MEXICO.)
1. MANUFACTURER AND PRODUCTS:
A. TRULITE CG500 ALUMINUM FRAMED STOREFRONT SYSTEM WITH "70% KYNAR, AAMA 2605, BONE WHITE LT609-50" FINISH: 2-1/2" X 5" NOMINAL DIMENSION; NON-THERMAL; CENTER GLAZED FOR 9/16" IMPACT RESISTANT GLAZING; SCREW SPLINE FABRICATION WITH INTERIOR STRUCTURAL SILICONE GLAZING. FOR INSULATED GLAZING LOCATIONS, USE TRULITE CG501 ALUMINUM FRAMED STOREFRONT SYSTEM WITH "70% KYNAR, AAMA 2605, BONE WHITE LT609-50" FINISH; 2-1/2" X 5" NOMINAL DIMENSION; THERMAL; CENTER GLAZED FOR 1-5/16" IMPACT RESISTANT GLAZING.
B. TRULITE 351 IMPACT DOORS ALUMINUM FRAMED ENTRANCE WITH "70% KYNAR, AAMA 2605, BONE WHITE LT609-50" FINISH: 1-3/4" THICK, MEDIUM STILE DOOR WITH 3 3/4" VERTICAL FACE DIMENSION; 3 3/4" TOP RAIL DIMENSION AND 6 1/4" BOTTOM RAIL DIMENSION TO ACCEPT 9/16" IMPACT RESISTANT GLAZING WITH INTERIOR STRUCTURAL SILICONE GLAZED.
C. APPROVED EQUALS: SUBMIT ALTERNATES TO BBW PM FOR APPROVAL.
2. STOREFRONT SYSTEM SHALL COMPLY WITH FLORIDA & MIAMI-DADE COUNTY STANDARDS.
3. WIND LOADS: DESIGN AND CONSTRUCT SYSTEM BASED ON APPLICABLE BUILDING CODE REQUIREMENTS FOR SPECIFIC PROJECT LOCATION AND MANUFACTURER'S FBC APPROVED PRODUCT REPORT OR MIAMI-DADE COUNTY ACCEPTABLE NOA REPORT.

4. WINDBORNE-DEBRIS-IMPACT-RESISTANCE PERFORMANCE: PASS MISSILE-IMPACT AND CYCLIC-PRESSURE TESTS WHEN TESTED ACCORDING TO ASTM E 1886 AND TESTING INFORMATION IN ASTM E 1996 FOR WIND ZONE CRITERIA FOR SPECIFIC PROJECT LOCATION.
A. LARGE-MISSILE TEST: FOR GLAZED OPENINGS LOCATED WITHIN 30 FEET OF GRADE.
B. SMALL-MISSILE TEST: FOR GLAZED OPENINGS LOCATED MORE THAN 30 FEET ABOVE GRADE.

5. AIR INFILTRATION: TESTED IN ACCORDANCE WITH ASTM E 283. AIR INFILTRATION RATE SHALL NOT EXCEED 0.06 CFM/SQ. FT. AT A STATIC AIR PRESSURE DIFFERENTIAL OF 6.24 PSF.

6. WATER RESISTANCE: TESTED IN ACCORDANCE WITH ASTM E 331. THERE SHALL BE NO LEAKAGE AT A MINIMUM STATIC AIR PRESSURE DIFFERENTIAL OF 12 PSF AS DEFINED IN AAMA 501.

7. SEE STRUCTURAL DRAWINGS FOR DESIGN WIND LOAD CRITERIA FOR STOREFRONT CURTAIN WALLS.

8. PROVIDE COMPONENTS THAT HAVE BEEN PREVIOUSLY TESTED BY AN INDEPENDENT TESTING LABORATORY CERTIFIED BY MIAMI-DADE COUNTY BUILDING CODE COMPLIANCE OFFICE (BCCO), FLORIDA BUILDING CODE (FBC), AND ASTM.

9. COMPLY WITH IMPACT RESISTANCE AND CYCLIC PRESSURE DIFFERENTIALS PER ASTM E1886 AND ASTM E1996, SBCCI SSTD 12, FBC PROTOCOLS TAS 201, 202, AND 203, OR MIAMI-DADE COUNTY BBCO PROTOCOLS PA 201, 202, AND 203.

10. SAFETY REQUIREMENTS OF STOREFRONT CURTAIN WALL SHALL BE COMPLIANT WITH CPSC 16 CFR 1201 CATEGORY II AND ANSI Z97.1 CLASS A.

11. STRUCTURAL SILICONE SEALANT: PROVIDE STRUCTURAL SILICONE SEALANT PER STOREFRONT MANUFACTURER WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.

12. MAXIMUM CALCULATED DEFLECTION OF ANY FRAMING MEMBER IN DIRECTION NORMAL TO THE PLANE OF THE WALL WHEN SUBJECTED TO SPECIFIED PRESSURES SHALL BE LIMITED TO L/175 OF THE SPAN BUT NO MORE THAN 3/4".

SECTION 084126 - ALL-GLASS ENTRANCES AND STOREFRONTS

A. GENERAL: SECTION INCLUDES: PROVIDE SPECIAL FRAMELESS ALL-GLASS ENTRANCES AND STOREFRONTS, INCLUDING SAFETY GLASS DOORS, RELATED HARDWARE, ADJACENT GLAZING AND ACCESSORIES AS REQUIRED FOR COMPLETE, OPERATIONAL INSTALLATION.
1. RELATED WORK: SECTION 08700: CYLINDERS FOR DOOR LOCKS.
B. REFERENCES
1. GLASS ASSOCIATION OF NORTH AMERICA (GANA.): GLAZING MANUAL.
2. BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BHMA.): BHMA 1301/ ANSI A156.18, STANDARDS FOR MATERIALS AND FINISHES.
C. SYSTEM DESCRIPTION
1. PERFORMANCE REQUIREMENTS: PROVIDE ASSEMBLIES CAPABLE OF WITHSTANDING MINIMUM UNIFORM TEST PRESSURE OF 20 PSF INWARD AND OUTWARD PRESSURE WHEN TESTED IN ACCORDANCE WITH ASTM E330.
D. SUBMITTALS
1. PRODUCT DATA: FURNISH MANUFACTURER'S LITERATURE.
2. SHOP DRAWINGS: INDICATE COMPONENT DETAILS, MATERIALS, FINISHES, DIMENSIONS, HARDWARE AND FITTINGS, AND METHOD OF ANCHORAGE.
3. SAMPLES: FURNISH SAMPLES OF METAL FINISH.
E. QUALITY ASSURANCE
1. INSTALLER QUALIFICATIONS: FIRM WITH MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE IN INSTALLATION OF ENTRANCES SIMILAR TO THOSE SPECIFIED; APPROVED BY SYSTEM MANUFACTURER.
2. REGULATORY REQUIREMENTS: COMPLY WITH REQUIREMENTS OF APPLICABLE BUILDING CODES AND AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) TO ENSURE ACCESS TO PERSONS WITH DISABILITIES.
F. PROJECT CONDITIONS
1. CHECK OPENINGS BY FIELD MEASUREMENTS BEFORE FABRICATION TO ENSURE PROPER FITTING AND TIGHT JOINTS; COORDINATE FABRICATION WITH SHOP DRAWINGS OF ADJACENT CONSTRUCTION WHERE NECESSARY TO AVOID DELAYS.
G. MANUFACTURERS:
1. SEE ARCHITECTURAL DRAWINGS
2. SUBSTITUTIONS: REFER TO SECTION 016200
H. MATERIALS
1. ALL-GLASS ENTRANCE SYSTEMS: PROVIDE COMPLETE SYSTEM.
a. GLASS: NOT LESS THAN NOMINAL 1/2" THICK, LOW-IRON, SELECT GLAZING QUALITY CLEAR TEMPERED GLASS COMPLYING WITH ASTM C1048, KIND FT.
1. SAFETY GLASS: CONFORM TO ANSI Z97.1 AND APPLICABLE CODES AND REGULATIONS.
2. PROVIDE HORIZONTALLY TEMPERED GLASS WITHOUT TONG MARKS; VERTICAL TEMPERING PERMITTED ONLY WHERE TONG MARKS CAN BE TOTALLY CONCEALED IN FINISHED INSTALLATION.
3. POLISH SIDE EDGES TO BE EXPOSED OR TO RECEIVE SEALANT; CUT GLASS TO TOLERANCES NECESSARY TO PROVIDE EVEN, 1/8" JOINTS WITHIN PLUS OR MINUS 1/16".
b. DOOR FITTINGS: PROVIDE CUSTOM "PATCH" TYPE FITTINGS AS INDICATED ON DRAWINGS AND AS REQUIRED TO SUPPORT DORMA DOOR CONTROLS/BTS 80 FLOOR PIVOT CLOSER.
1. FINISH: BHMA 630 (US32D), SATIN STAINLESS STEEL FINISHED WITH 320 GRIT SANDER TO MATCH ARCHITECT'S SAMPLE.
c. FRAMELESS GLASS DOOR HARDWARE: MANUFACTURER'S STANDARD METAL AND FINISH TO MATCH DOOR RAILS, UNLESS OTHERWISE INDICATED. REFER TO ARCHITECTURAL DRAWINGS.
d. ANCHORAGES AND FASTENINGS: MANUFACTURER'S STANDARD TYPES, CONCEALED EXCEPT AS OTHERWISE REQUIRED; FINISH EXPOSED FASTENERS TO MATCH ADJACENT METAL SURFACES.
e. SEALANT: HIGH MODULUS STRUCTURAL SILICONE DESIGNED FOR STRUCTURAL GLAZING.
1. SEALANT COLOR: CLEAR
2. MANUFACTURERS:
A. DOW CORNING/SILICONE RUBBER SEALANT 999.
B. GENERAL ELECTRIC/SILICONE CONSTRUCTION SCS 1200 SEALANT.
C. PECORA/863 GLAZING SILICONE.
D. TREMCO/PROGLAZE SILICONE.
E. SUBSTITUTIONS: REFER TO SECTION 01630
f. SIDELIGHT GLAZING CHANNELS: SATIN STAINLESS STEEL TO MATCH DOOR PATCHES; SIZED AS REQUIRED TO SUPPORT GLASS;
1. EXPOSED FINISH: MATCH SATIN FINISH FOR DOOR SYSTEM.
J. FABRICATION
1. LOCATE AND PROVIDE HOLES AND CUTOUTS TO RECEIVE HARDWARE BEFORE TEMPERING GLASS; DO NOT PERMIT CUTTING, DRILLING OR OTHER GLASS ALTERATIONS AFTER TEMPERING.
a. POLISH EXPOSED ENDS OF GLASS; ROUND EDGES SLIGHTLY.
2. FABRICATE ALL-GLASS ENTRANCE SYSTEM TO ACCOMMODATE REQUIRED HARDWARE AND ACCESSORY ITEMS.
3. INSTALL HARDWARE AT FABRICATION PLANT; REMOVE ONLY AS REQUIRED FOR FINAL FINISHING OPERATIONS, AND FOR DELIVERY AND INSTALLATION OF WORK AT PROJECT SITE.

K. EXAMINATION
1. EXAMINE AREAS AND CONDITIONS UNDER WHICH WORK IS TO BE INSTALLED.
2. BEGINNING INSTALLATION SIGNIFIES ACCEPTANCE OF CONDITIONS.
L. INSTALLATION
1. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
a. INSTALL GLAZING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND GANA GLAZING MANUAL.
2. SET UNITS PLUMB, LEVEL AND TRUE TO LINE, WITHOUT WARP OR RACK; ANCHOR SECURELY IN PLACE.
3. SEPARATE ALUMINUM AND OTHER CORRODIBLE METAL SURFACES FROM SOURCES OF CORROSION OR ELECTROLYTIC ACTION AT POINTS OF CONTACT WITH OTHER MATERIALS.
M. ADJUSTING: ADJUST OPERATING HARDWARE TO ENSURE PROPER OPERATION.
N. CLEANING: CLEAN SURFACES USING MANUFACTURER'S RECOMMENDED CLEANING METHODS.

SECTION 087100 - DOOR HARDWARE

A. GENERAL: PROVIDE DOOR HARDWARE FOR HOLLOW METAL DOORS AND FOR WOOD DOORS, AND PROVIDE CYLINDERS FOR DOORS PROVIDED WITH HARDWARE, WITH ACCESSORIES AS REQUIRED FOR COMPLETE OPERATIONAL DOOR INSTALLATION.

B. STANDARDS: COMPLY WITH BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BHMA) ANSI/BHMA 156 SERIES STANDARDS.

C. CODES AND REGULATIONS: COMPLY WITH STATE AND FEDERAL REQUIREMENTS FOR ENSURING ACCESS FOR PERSONS WITH DISABILITIES.
1. FIRE RATED DOORS: COMPLY WITH REQUIREMENTS OF NFPA 80 AND APPLICABLE CODES FOR FIRE RATED DOOR HARDWARE; PROVIDE HARDWARE BEARING UNDERWRITERS LABORATORY (UL) LABELS.

D. SUBMITTALS: FURNISH SHOP DRAWINGS, PRODUCT DATA INCLUDING KEYING SCHEDULE, AND SAMPLES OF EACH REQUIRED STYLE AND FINISH.
1. SUPPLY TEMPLATES TO DOOR AND FRAME MANUFACTURERS FOR PROPER AND ACCURATE SIZING AND LOCATIONS OF CUT-OUTS FOR HARDWARE.

E. GENERAL MATERIALS: PROVIDE COMPLETE HARDWARE WITH ACCESSORIES AS REQUIRED FOR DOORS AND APPLICATIONS INDICATED AND NOT PROVIDED UNDER OTHER SECTIONS.

F. HINGES: HAGES, LAWRENCE, MCKINNEY, OR STANLEY; FULL MORTISED HINGES; SIZE AND NUMBER AS RECOMMENDED BY MANUFACTURER; NON REMOVABLE PINS AT EXTERIOR OUT SWINGING DOORS, BLABBERING HINGES AT FIRE RATED DOORS AND DOORS WITH CLOSURES.

G. LOCKSET/LATCHSETS: SCHLAGE, SARGENT, YALE, OR U-CHANGE; FULL MORTISE LOCKSETS TYPICAL AT DOORS TO PUBLIC AREAS, CYLINDRICAL LOCKSETS AND LATCHSETS AT OTHER LOCATIONS, SOLID LEVER TYPE WITH ROSE, KEYING AS DIRECTED BY OWNER; PROVIDE CYLINDERS FOR DOORS FURNISHED WITH LOCKS. (U CHANGE CUSTOMER SERVICE: 1-800-253-5625).

H. OVERHEAD CLOSURES: LCN/4000 SERIES OR NORTON/7500 FULLY ADJUSTABLE: MODERN TYPE WITH COVER.

I. ACCESSORIES: PROVIDE DOOR STOPS, THRESHOLDS, WEATHER-STRIPPING, TRIM, COORDINATORS AND ACCESSORIES AS REQUIRED FOR COMPLETE OPERATIONAL DOOR INSTALLATION.
1. THRESHOLDS, STOPS, TRIMS AND MISCELLANEOUS HARDWARE. PROVIDE AS INDICATED, AS SPECIFIED, AS INCLUDED IN HARDWARE SCHEDULE, AND AS REQUIRED FOR COMPLETE INSTALLATION.

2. WEATHER-STRIPPING: PROVIDE CONTINUOUS WEATHER-STRIPPING AT TOP AND SIDES OF EXTERIOR DOORS.

3. FIRE RATED GASKETS: PROVIDE CONTINUOUS FIRE RATED GASKETS AT TOP AND SIDE OF FIRE RATED DOORS.

4. THROUGH BOLTS: THROUGH BOLTS AND GROMMET NUTS SHALL BE AVOIDED ON DOOR FACES IN HIGHLY VISIBLE AREAS, UNLESS NO ALTERNATIVE IS POSSIBLE, AS DIRECTED AND APPROVED, AND SHALL NOT BE USED FOR SOLID WOOD CORE DOORS.

J. FINISH: BHMA 626 (US26D), SATIN FINISHED CHROMIUM PLATED UNLESS OTHERWISE INDICATED.

K. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS, BHMA, AND APPLICABLE REQUIREMENTS FOR ACCESS AND FOR FIRE RATINGS.
1. FIT HARDWARE PRIOR TO PAINTING, THEN REMOVE FOR PAINTING OF DOORS AND FRAMES BEFORE FINAL INSTALLATION OF HARDWARE.

2. HEIGHT TO COMPLY WITH APPLICABLE CODES AND BHMA RECOMMENDATIONS.

3. HARDWARE GROUPS: REFER TO DRAWINGS.

SECTION 088100 - GLASS GLAZING

A. GENERAL: PROVIDE FULLY TEMPERED GLASS AND G.C. FURNISHED FILM ON GLASS (AS REQUIRED). GLASS THICKNESS SHALL BE PER ARCHITECTURAL DRAWINGS. PROVIDE GLAZING ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.

B. STANDARDS: COMPLY WITH GLASS ASSOCIATION OF NORTH AMERICA (GANA) "GLAZING MANUAL".

C. CODES: SAFETY GLAZING SHALL COMPLY WITH CONSUMER PRODUCT STANDARD 16 CFR 1201, CATEGORY II, AND SHALL HAVE PASSED ANSI Z97.1, CLASS A.

D. MANUFACTURERS: PILKINGTON LOF, GUARDIAN, OR PPG.

E. GLAZING SEALANT: ONE COMPONENT SILICONE GLAZING SEALANT; PROVIDE AS RECOMMENDED BY SEALANT MANUFACTURER FOR APPLICATIONS INDICATED, HIGH MODULUS TYPE AT STRUCTURAL SILICONE BUTT GLAZING.
1. MANUFACTURERS: DOW OR GE.

F. SETTING BLOCKS AND SPACERS: NEOPRENE OR EPDM, SILICONE COMPATIBLE WHERE IN CONTACT WITH SILICONE SEALANT.

G. PREPARATION: CLEAN GLAZING CHANNELS AND FRAMING MEMBERS TO RECEIVE GLASS IMMEDIATELY BEFORE GLAZING: REMOVE COATINGS NOT FIRMLY BONDED TO SUBSTRATE.

H. INSTALLATION: COMPLY WITH GANA GLAZING MANUAL AND SEALANT MANUAL AND GLAZING MANUFACTURER INSTRUCTIONS
1. DO NOT ALLOW GLASS TO TOUCH METAL SURFACES

2. COMPLY WITH NFPA 80 FOR GLASS IN FIRE RATED OPENINGS

3. PLACE SETTING BLOCKS AT QUARTER POINTS IN THIN COURSE OF SEALANT

4. INSTALL REMOVABLE STOPS WITH GLASS CENTERED IN SPACE WITH SPACER SHIMS AT 2'-0" INTERVALS ON BOTH SIDES OF GLASS, 1/4" BELOW SIGHTLINE.

5. SEALANT GLAZING: FILL GAP BETWEEN GLASS AND STOPS WITH SEALANT TO DEPTH EQUAL TO BITE OF FRAME ON GLASS BUT NOT MORE THAN 3/8" BELOW SIGHTLINE.

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SECTION 088300 - MIRRORS

SUMMARY: THIS SECTION INCLUDES NEW WALL MOUNTED GLASS MIRRORS.

A. QUALITY ASSURANCE
1. INSTALLER QUALIFICATIONS: AN EXPERIENCED INSTALLER WHO HAS COMPLETED MIRROR GLAZING SIMILAR IN MATERIAL, DESIGN, AND EXTENT TO THAT INDICATED; WHOSE WORK HAS RESULTED IN MIRROR INSTALLATIONS WITH A RECORD OF NOT LESS THAN 5 YEARS OF SUCCESSFUL IN-SERVICE PERFORMANCE.

2. SOURCE LIMITATIONS FOR MIRRORS: OBTAIN MIRRORS FROM ONE SUPPLIER/MANUFACTURER FOR EACH TYPE OF MIRROR INDICATED.

3. SOURCE LIMITATIONS FOR GLAZING ACCESSORIES: OBTAIN GLAZING ACCESSORIES FROM ONE SOURCE FOR EACH TYPE OF ACCESSORY INDICATED.

4. GLAZING PUBLICATIONS: COMPLY WITH THE APPLICABLE RECOMMENDATIONS OF THE FOLLOWING. WHERE RECOMMENDATIONS CONFLICT THE MORE STRINGENT SHALL APPLY.
a. GLASS ASSOCIATION OF NORTH AMERICA (GANA): "GLAZING MANUAL" AND THE MIRROR DIVISION'S "MIRRORS, HANDLE WITH EXTREME CARE: TIPS FOR THE PROFESSIONAL ON THE CARE AND HANDLING OF MIRRORS."

b. NATIONAL GLASS ASSOCIATION (NGA): "CUSTOM MIRRORS, FABRICATION AND INSTALLATION.

B. DELIVERY, STORAGE, AND HANDLING.
1. PROTECT MIRRORS ACCORDING TO MIRROR MANUFACTURER'S WRITTEN INSTRUCTIONS AND AS NEEDED TO PREVENT DAMAGE TO MIRRORS FROM CONDENSATION, TEMPERATURE CHANGES DIRECT EXPOSURE TO SUN, OR OTHER CAUSES.

2. COMPLY WITH MIRROR MANUFACTURER'S WRITTEN INSTRUCTIONS FOR SHIPPING, STORING, AND HANDLING MIRRORS AS NEEDED TO PREVENT DETERIORATION OF SILVERING, DAMAGE TO EDGES, AND ABRASION OF GLASS SURFACES AND APPLIED COATINGS. STORE INDOORS, PROTECTED FROM MOISTURE INCLUDING CONDENSATION.

C. PROJECTION CONDITIONS: ENVIRONMENTAL LIMITATIONS - DO NOT INSTALL MIRRORED GLASS UNTIL AMBIENT TEMPERATURE AND HUMIDITY CONDITIONS ARE MAINTAINED AT LEVELS INDICATED FOR FINAL OCCUPANCY.

D. SILVERED FLAT GLASS MIRROR MATERIAL: 6.0 MM THICK AND COMPLYING WITH ASTM C 1503, MIRROR SELECT QUALITY FOR USE IN VISUALLY DEMANDING APPLICATIONS REQUIRING MINIMAL DISTORTIONS AND BLEMISHES.
E. FABRICATION
1. CUTOUTS: FABRICATE CUTOUTS FOR NOTCHES AND HOLES IN MIRRORS WITHOUT MARRING VISIBLE SURFACES. LOCATE AND SIZE CUTOUTS SO THEY FIT CLOSELY AROUND PENETRATIONS IN MIRRORS.

2. MIRROR EDGE TREATMENT: CUTTING AND POLISHING
a. TYPICAL MIRRORS: FLAT EDGES WHERE THE CLEAN CUT "SQUARE" EDGE OF THE GLASS IS FLAT AND SURFACES EDGES ARE SLIGHTLY ARRISGED. AFTER GRINDING THE ARRISEES, EDGES SHALL BE POLISHED TO A HIGH GLOSS SURFACE WHERE THE SURFACE REFLECTIVITY IS SIMILAR IN APPEARANCE TO THE MAJOR SURFACE OF THE GLASS.

b. BEVELED EDGED MIRRORS: PROVIDE BEVELED EDGED MIRRORS WHERE THE SURFACE EDGE OF THE GLASS IS BEVELED TO WIDTH INDICATED ON THE OWNER FURNISHED DRAWINGS. THE ANGLE FORMED BY THE INTERSECTION OF THE PLANCE OF THE BEVEL WITH THE MAJOR SURFACE FACE OF THE GLASS SHALL BE BETWEEN 3 TO 10 DEGREES. THE BEVELED SURFACE AND THE NOSE OF THE BEVEL SHALL BE POLISHED TO A HIGH GLOSS SURFACE WHERE THE SURFACE REFLECTIVITY IS SIMILAR IN APPEARANCE TO THE MAJOR SURFACE OF THE GLASS.

c. EDGE SEALING: IMMEDIATELY AFTER CUTTING THE FINAL SIZES, AND APPLYING EDGE TREATMENT; FACTORY SEAL EDGES OF MIRRORS WITH EDGE SEALER TO PREVENT CHEMICAL OR

P. RECESSED WALL STUD INSTALLATION SEQUENCE
   1. REMOVE RUBBER FILLER FROM STANDARD BEFORE RECESSED STUD IS PUT IN PLACE.
   2. MASK TAPE STANDARD PORTION OF RECESSED STUD FOR ALL WALLS RECEIVING PAINT OR WALL COVERING.
   3. SET RECESSED STUDS IN WALL.
   4. USE LASER TO SET CONSISTENT HEIGHT OF STANDARD PORTION OF RECESSED STUDS - SCREW CLIP IN TOPS AND BOTTOMS. (SET INSERT 7'-0" A.F.F.)
   5. INSTALL DRYWALL ON RECESSED STUDS - AVOID DRYWALL FACTORY EDGE AGAINST STANDARD (REQUIRES EXCESSIVE MUD BUILD UP).
   6. FLAT TAPE DRYWALL AGAINST STANDARD.
   7. SAND MUD DOWN TO STANDARD TO AVOID EXCESS BUILD UP.
   8. APPLY ALL FINISH MATERIALS TO WALL PRIOR TO CUTTING OUT STANDARD SLOTS.
   9. USE RAZOR BLADES TO CUT OUT STANDARD SLOTS - TOPS AND BOTTOMS OF ALL SLOTS MUST ALIGN. CUTS TO BE MADE INSIDE OF STANDARD SLOTS.
   10. WHEN COMPLETE - INSTALL BRACKETS ON EACH STANDARD AND INSTALL ROD TO VERIFY ALIGNMENT.

SECTION 093000 - TILING

A. GENERAL: PROVIDE TILE SYSTEMS INCLUDING SETTING MATERIALS, GROUT AND ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION.

B. STANDARDS: COMPLY WITH TILE COUNCIL OF AMERICA "HANDBOOK OF CERAMIC TILE INSTALLATION" INCLUDING REFERENCED ASTM AND ANSI STANDARDS.

C. TILE MANUFACTURERS: AS INDICATED ON DRAWINGS.
   1. FLOOR TILE: PROVIDE NON-SLIP UNITS WITH MINIMUM WET AND DRY VALUE OF 0.60 COEFFICIENT OF FRICTION WHEN TESTED IN ACCORDANCE WITH ASTM C1028.

D. LATEX THIN SET: THINSET BOND COAT, LATEX-CEMENTITIOUS MORTAR CONFORMING TO ANSI A118.4.

E. GROUT: ANSI A118.6, LATEX CEMENTITIOUS TYPE BY LATICRETE, BOSTIK OR CUSTOM BUILDING PRODUCTS. REFER TO DRAWINGS.

F. INTEGRAL WATERPROOFING: LATICRETE, BOSTIK, OR NOBEL LIQUID RUBBER INTEGRAL TILE SETTING WATERPROOFING SYSTEM WITH NO BITUMINOUS EXTENDS; PROVIDE AT TILE APPLICATIONS ABOVE GRADE.

G. CLEANING AND SEALING MATERIALS: AS RECOMMENDED BY TILE AND GROUT MANUFACTURERS, SUCH AS BOSTIK CONSTRUCTION PRODUCTS/HYDROMENT CERAMASEAL.

H. SURFACE PREPARATION: DO NOT COMMENCE WORK UNTIL SURFACE CONDITIONS ARE WITHIN TOLERANCES REQUIRED FOR PROPER INSTALLATION.
   1. WHERE RH TESTING IS GREATER THAN 80% AS PER ASTM F-2170. QUICK-SETTING, WATER-RESISTANT, HIGH-COMPRESSIVE-STRENGTH, SELF-LEVELING UNDERLAYMENT: ADVANCED HYDRAULIC, SPECIALLY FORMULATED FOR THE RESURFACING OF INTERIOR HORIZONTAL SURFACES WHERE ENVIRONMENTAL CONTROLS ARE NOT IN PLACE, THAT CAN BE APPLIED IN MINIMUM UNIFORM THICKNESS OF 1/4 INCH TO 1 INCH (6 MM TO 25 MM).
      1.a. PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE MAPEI CORPORATION; ULTRAPLAN EXTREME 2.
      1.b. PRODUCT: LATICRETE NXT LEVEL OR NXT LEVEL PLUS
   2. WHERE RH TESTING IS LESS THAN 80% AS PER ASTM F-2170 HIGH-PERFORMANCE, QUICK-SETTING, HYDRAULIC CEMENT UNDERLAYMENT: POLYMER-MODIFIED, SELF-LEVELING, HYDRAULIC CEMENT PRODUCT THAT CAN BE APPLIED FROM FEATHER EDGE TO 1-1/2 INCHES (38 MM).
      2.a. PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE MAPEI CORPORATION; ULTRAPLAN 1 PLUS.
      2.b. PRODUCT: LATICRETE NXT LEVEL OR NXT LEVEL PLUS
   3. WATER: POTABLE AND AT A TEMPERATURE OF NOT MORE THAN 70 DEGREE F (21 DEGREE C.)
   4. PRIMER: PRODUCT OF UNDERLAYMENT MANUFACTURER RECOMMENDED IN WRITING FOR SUBSTRATE, CONDITIONS, AND APPLICATION INDICATED.
      4.a. ALL-PURPOSE PRIMER FOR SELF-LEVELING UNDERLAYMENTS:
         4.a.a. PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE MAPEI CORPORATION: PRIMER T.
         4.a.a.b. PRODUCT: LATICRETE NXT PRIMER

I. INSTALLATION: COMPLY WITH TILE COUNCIL OF AMERICA (TCA) HANDBOOK FOR CERAMIC TILE INSTALLATION FOR LATEX BOND COAT THIN SET APPLICATION.
   1. TILE: INSTALL TILE IN ACCORDANCE WITH REFERENCED ANSI STANDARDS AND TCA RECOMMENDATIONS FOR TYPE OF SUBSTRATE AND INDICATED SETTING METHOD; LATEX-CEMENT THIN SET AND BOND COATS REQUIRED.
   2. PLACE TILE IN ACCORDANCE WITH PATTERNS INDICATED ON DRAWINGS OR AS DIRECTED BY OWNER'S PROJECT MANAGER; CAREFULLY PLAN TILE LAYOUTS, ENSURE PATTERN IS UNINTERRUPTED FROM ONE SURFACE TO THE NEXT AND THROUGH DOORWAYS.
   3. SEAL TILE AND GROUT SURFACES WHERE RECOMMENDED BY MANUFACTURER FOR MATERIALS AND APPLICATIONS INVOLVED; COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.

J. MOISTURE TESTING: PROCEED WITH INSTALLATION ONLY AFTER SUBSTRATES PASS TESTING ACCORDING TO FLOORING MANUFACTURER'S WRITTEN RECOMMENDATIONS. PERFORM ONE OR BOTH TESTS, AS REQUIRED BY THE MANUFACTURER, IN ACCORDANCE WITH THE FOLLOWING:
   1. PERFORM ANHYDROUS CALCIUM CHLORIDE TEST ACCORDING TO ASTM F1869. PROCEED WITH INSTALLATION ONLY AFTER SUBSTRATES HAVE MAXIMUM MOISTURE-VAPOR-EMISSION RATE ACCEPTABLE TO THE FLOORING MANUFACTURER.
   2. PERFORM RELATIVE HUMIDITY TEST USING IN SITU PROBES ACCORDING TO ASTM F 2170. PROCEED WITH INSTALLATION ONLY AFTER SUBSTRATES HAVE A MAXIMUM RELATIVE HUMIDITY LEVEL ACCEPTABLE TO THE FLOORING MANUFACTURER.

SECTION 095100 - ACOUSTICAL CEILINGS

A. GENERAL: PROVIDE ACOUSTICAL CEILINGS INCLUDING SUSPENSION SYSTEM, TRIM, AND ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION.

B. STANDARDS: CONFORM TO ASTM C635 FOR METAL SUSPENSION SYSTEM AND STM C636 FOR INSTALLATION OF ACOUSTICAL CEILINGS.

C. PERFORMANCE REQUIREMENTS: PROVIDE PRODUCTS LISTED BY UNDERWRITERS LABORATORIES (UL).
   1. FLAME SPREAD/SMOKE DENSITY: PROVIDE PRODUCTS MEETING CODE REQUIREMENTS FOR MAXIMUM 25 FLAME SPREAD AND MAXIMUM 25 SMOKE DENSITY.

D. SEISMIC REQUIREMENTS: COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS FOR SEISMIC BRACING OF CEILING SUSPENSION SYSTEM, AND WITH ASTM E580.

E. SUBMITTALS: SUBMIT PRODUCT DATA, SHOP DRAWINGS INDICATING LAYOUT, AND SAMPLES OF GRID, TRIM, AND CEILING UNITS.

F. INSTALLER: FIRM WITH MINIMUM THREE YEAR'S SUCCESSFUL EXPERIENCE IN PROJECTS OF SIMILAR TYPE AND SCOPE; ACCEPTABLE TO MANUFACTURER OF ACOUSTICAL UNITS.

G. PROJECT CONDITIONS: DO NOT INSTALL CEILINGS UNTIL BUILDING IS ENCLOSED, SUFFICIENT HEAT IS PROVIDED, DUST GENERATING ACTIVITIES HAVE TERMINATED AND OVERHEAD MECHANICAL WORK IS COMPLETED, TESTED, AND APPROVED; ALLOW WET WORK TO DRY PRIOR TO INSTALLATION.

H. ACOUSTICAL UNITS: TYPES AS INDICATED ON DRAWINGS.
   1. MANUFACTURERS: ARMSTRONG
      SALES: REFER TO FINISH SCHEDULE FOR ARMSTRONG TYPE.
      BACK-OF-HOUSE AREAS: REFER TO FINISH SCHEDULE FOR ARMSTRONG TYPE.

I. SUSPENSION SYSTEM:

MANUFACTURERS: ACOUSTICAL UNIT MANUFACTURER, OR CHICAGO METALLIC.
   1. TYPICAL: SPECIAL 15/16" NARROW PROFILE WHITE BAKED ENAMEL FINISHED STEEL OR ALUMINUM TYPE; EDGE TRIM WITH VERTICAL LEG CONCEALED.
   2. BACK-OF-HOUSE AREAS: STANDARD 1" PROFILE WHITE BAKED ENAMEL FINISHED STEEL OR ALUMINUM TYPE, EDGE TRIM WITH VERTICAL LEG CONCEALED. J. PREPARATION: MEASURE CEILING AREA AND ESTABLISH LAYOUT OF ACOUSTICAL UNITS TO BALANCE BORDER WIDTHS AT OPPOSITE EDGES OF EACH CEILING; DO NOT USE LESS THAN HALF WIDTH UNITS AT BORDERS.

J. COORDINATE WITH OTHER WORK SUPPORTED BY OR PENETRATING THROUGH CEILINGS, INCLUDING LIGHT FIXTURES, HVAC EQUIPMENT AND PARTITION SYSTEMS.

K. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS, ASTM C636, AND APPLICABLE REQUIREMENTS FOR FIRE RATINGS.
   1. FINISHED CEILINGS: TRUE TO LINES AND LEVELS AND FREE FROM WARPED, SOILED OR DAMAGED GRID OR ACOUSTICAL UNITS.
   2. INSTALL CEILING SYSTEMS IN A MANNER CAPABLE OF SUPPORTING SUPERIMPOSED LOADS, WITH MAXIMUM PERMISSIBLE DEFLECTION OF 1/8"IN 10'-0".
   3. ENSURE SUSPENSION SYSTEM IS LOCATED TO ACCOMMODATE FITTINGS AND UNITS OF EQUIPMENT WHICH IS TO BE PLACED AFTER INSTALLATION OF CEILING GRID.
   4. WHERE DUCTS OR OTHER EQUIPMENT PREVENT REGULAR SPACING OF HANGERS, REINFORCE NEAREST ADJACENT HANGERS AND RELATED CARRYING CHANNELS AS REQUIRED TO SPAN REQUIRED DISTANCE.
   5. INSTALL EDGE MOLDINGS AT INTERSECTION OF CEILING AND VERTICAL SURFACES, USING MAXIMUM LENGTHS, STRAIGHT, TRUE TO LINE AND LEVEL; MITER CORNERS.
   6. FIT ACOUSTIC UNITS IN PLACE, FREE FROM DAMAGED EDGES OR DEFECT DETRIMENTAL TO APPEARANCE AND FUNCTION. LAY DIRECTIONALLY PATTERNED UNITS ONE WAY WITH PATTERN AS DIRECTED. FIT BORDER UNITS NEATLY AGAINST ABUTTING SURFACES.
   7. INSTALL UNITS LEVEL, IN UNIFORM PLANE AND FREE FROM TWIST, WARP AND DENTS.
   8. INSTALL HOLD-DOWN CLIPS WHERE REQUIRED BY APPLICABLE CODES AND WHERE CEILING IS WITHIN 20'-0" OF AN EXTERIOR DOOR.

L. ADJUSTMENT: ADJUST SAGS OR TWISTS WHICH DEVELOP IN CEILING SYSTEM AND REPLACE ANY PART WHICH IS DAMAGED OR FAULTY.

SECTION 096429 - WOOD STRIP AND PLANK FLOORING

A. GENERAL: INSTALL SHOP FINISHED ACRYLIC IMPREGNATED WOOD STRIP FLOORING SYSTEM WITH ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION.

B. PROJECT CONDITIONS: DO NOT INSTALL WOOD FLOORING SYSTEM UNTIL WET CONSTRUCTION WORK IS COMPLETED AND SURROUNDING AIR HAS MAXIMUM MOISTURE CONTENT OF 40 PERCENT. PROVIDE PERMANENT HEAT, LIGHT AND VENTILATION PRIOR TO INSTALLATION.
   1. MAINTAIN ROOM TEMPERATURE BETWEEN 60-90 DEGREES F, HUMIDITY 25-50 FOR PERIOD OF SEVEN DAYS PRIOR TO DELIVERY OF MATERIALS

C. MANUFACTURER: PERMAGRAIN

D. WOOD: AS INDICATED ON DRAWINGS, TONGUE AND GROOVED EDGES WITH SHOP APPLIED ACRYLIC IMPREGNATED FINISH INTENDED FOR DIRECT ADHESIVE APPLICATION TO CONCRETE.

E. ADHESIVE: TYPE AS RECOMMENDED BY MANUFACTURER TO ENSURE MAXIMUM DURABILITY OVER TIME; NONTOXIC, WATERPROOF TYPE SUITABLE FOR FLOORING, SUBSTRATE, AND ACCEPTABLE TO APPLICABLE AUTHORITIES.

F. SUBFLOOR FILLER: UTILIZE PORTLAND CEMENT BASED PRODUCTS FOR FLOOR PREP

G. DIVIDER STRIPS: TYPE AS INDICATED IN DETAILS.

H. PREPARATION: BROOM CLEAN SUBSTRATE SURFACE AND ENSURE FLOOR SURFACE IS SMOOTH AND FLOAT TO PLUS OR MINUS 1/8" PER 10'-0", FREE OF OIL, GREASE, DUST AND FOREIGN SUBSTANCE. USE LATEX FILLER TO PATCH CRACKS AND SMALL HOLES, AND FOR MINOR LEVELING.
   1. GRIND CONCRETE WHERE RIDGES AND IRREGULARITIES PROVIDE UNSATISFACTORY SUBSTRATE FOR WOOD STRIP FLOORING.

I. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND INSTALLATION INSTRUCTION FOR DIRECT APPLICATION OF WOOD STRIP FLOORING OVER CONCRETE.
   1. ENSURE JOINTS OF WOOD FLOORING ARE IN LINE; ENSURE FULL ADHESIVE CONTACT FOR PERMANENT BOND TO SUBSTRATE.
   2. LAY FLOORING SYMMETRICAL ABOUT ROOM CENTER LINE; FIT NEATLY TO VERTICAL INTERRUPTIONS.
   3. PROVIDE DIVIDER STRIPS AT CENTERLINE OF DOOR OPENINGS AND WHERE FLOORING TERMINATES WITH TILE OR OTHER FLOOR FINISHES. (SEE FINISH PLAN LAYOUT)
   4. PROVIDE MAXIMUM 1:12 SLOPE WHERE FINISHED FLOOR SURFACE CHANGES LEVEL BETWEEN WOOD FLOORING AND ADJACENT FLOORING.
   5. PROVIDE MOISTURE BARRIER AS RECOMMENDED BY VENDOR.

J. MOISTURE TESTING: FOR REQUIREMENTS, REFER TO SECTION 093000, ITEM J.

SECTION 096519 - RESILIENT TILE FLOORING

A. GENERAL: PROVIDE RESILIENT TILE FLOORING SYSTEM AND RESILIENT BASE, WITH ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION.

B. SUBMITTALS: FURNISH PRODUCT DATA AND SAMPLES OF EACH TYPE OF FLOORING AND BASE COLOR AND PATTERN SELECTED.

C. PROJECT CONDITIONS: ENSURE FLOOR SURFACES ARE SMOOTH AND FLAT WITH MAXIMUM VARIATION OF 1/8" IN 10'-0"; ENSURE CONCRETE FLOORS ARE DRY AND EXHIBIT NEGATIVE ALKALINITY, CARBONIZING AND DUSTING.

D. RESILIENT TILE: 12" X 12" BY 1/8" THICK; VINYL COMPOSITION TILE CONFORMING TO ASTM F1066, COMPOSITION 1; COLOR AND PATTERN AS INDICATED IN FINISH SCHEDULE.
   1. MANUFACTURERS: ARMSTRONG WORLD INDUSTRIES, INC.; AZROCK INDUSTRIES, INC.; TARKETT INC., OR APPROVED EQUAL.
      FLAMMABILITY: PROVIDE MATERIALS TESTED UNDER ASTM E648, FLOORING RADIANT PANEL TEST, WITH RESULTS OF 0.45 WATTS/CM2 OR HIGHER.
   2. SLIP RESISTANCE: PROVIDE MATERIALS TESTED UNDER ASTM D2047, JAMES SLIP TEST WITH MINIMUM 0.6 RATING FOR FLOORS.

E. RESILIENT BASE: FS SS-W-40, 1/8" GAGE COVED BASE AT HARD FLOOR SURFACES, STRAIGHT (TOP SET) BASE AT CARPET; PROVIDE PREMOLDED END STOPS AND EXTERNAL CORNERS.
   1. MANUFACTURERS: BURKE OR ROPPE, MOLDED RUBBER BASE.
      HEIGHT: 6" UNLESS OTHERWISE INDICATED.
   2. COLOR: AS INDICATED IN FINISH SCHEDULE.

F. EDGE STRIPS AND ACCESSORIES: RUBBER OR VINYL EDGE STRIPS MATCHING RESILIENT FLOORING; LATEX-MODIFIED PORTLAND CEMENT BASED UNDERLAYMENT AND PATCHING COMPOUND; NONTOXIC WATER RESISTANT TYPE ADHESIVES.

G. SUBFLOOR FILLER: WHITE PREMIXED LATEX-CEMENT PASTE DESIGNED FOR PROVIDING THIN SOLID SURFACE FOR LEVELING AND MINOR RAMPING OR SUBSURFACE TO ADJACENT FLOOR FINISHES; MATERIAL CAPABLE OF BEING APPLIED AND FEATHERED OUT TO ADJACENT FLOOR WITHOUT SPALLING.

H. PRIMERS AND ADHESIVES: WATERPROOF NONTOXIC TYPES AS RECOMMENDED BY FLOORING MANUFACTURER FOR SPECIFIED MATERIAL AND APPLICATION.

I. SEALER AND WAX: TYPE RECOMMENDED BY FLOORING MANUFACTURER FOR MATERIAL TYPE AND LOCATION.

J. PREPARATION: CONFORM WITH MANUFACTURER'S RECOMMENDATIONS FOR PREPARATION AND WITH ASTM F710; REMOVE SUBFLOOR RIDGES AND BUMPS; FILL LOW SPOTS, CRACKS, JOINTS, HOLES AND DEFECTS WITH SUBFLOOR FILLER.

K. FLOORING INSTALLATION: CONFORM WITH MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS; SET FLOORING IN PLACE, PRESS WITH HEAVY ROLLER TO ENSURE FULL ADHESION; SCRIBE FLOORING TO WALLS, COLUMNS, AND OTHER APPURTENANCES, TO PRODUCE TIGHT JOINTS.
   1. INSTALL MINIMUM 1/2 TILE AT ROOM AND AREA PERIMETER; TERMINATE RESILIENT FLOORING AT CENTERLINE OF DOOR OPENINGS WHERE ADJACENT FLOOR FINISH IS DISSIMILAR; INSTALL EDGE STRIPS AT UNPROTECTED AND EXPOSED EDGES WHERE FLOORING TERMINATES.
   2. SEE FINISH PLAN FOR FLOOR PATTERN DESIRED IN EACH AREA.

L. MOISTURE TESTING: FOR REQUIREMENTS, REFER TO SECTION 093000, ITEM J.

M. BASE INSTALLATION: COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS; APPLY TO WALLS, COLUMN, PILASTERS, CASEWORK, AND OTHER PERMANENT FIXTURES IN ROOMS AND AREAS WHERE BASE IS REQUIRED.
   3. MITER INTERNAL CORNERS; USE PREMOLDED SECTIONS FOR EXTERNAL CORNERS AND EXPOSED ENDS; SCRIBE AND FIT TO DOOR FRAMES AND OTHER OBSTRUCTIONS.

N. EDGE STRIPS: INSTALL WHERE EDGE OF TILE WOULD OTHERWISE BE EXPOSED; BUTT TO FLOORING WITHOUT GAPS; SET IN ADHESIVE.

O. CLEANING: CLEAN, SEAL AND WAX FLOOR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

SECTION 096800 - CARPET (WALK-OFF MAT)

A. GENERAL: PROVIDE ENTRY CARPET TYPE FLOOR WALK OFF MATS WITH PVC GRID AND ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION. G.C. TO PROVIDE CARPET TRANSITION STRIPS FOR FLUSH MOUNTING OF MAT WITH ADJACENT FLOOR FINISH.

B. CODES AND REGULATIONS: COMPLY WITH STATE AND FEDERAL REQUIREMENTS FOR ENSURING ACCESS FOR PERSONS WITH DISABILITIES.

C. MANUFACTURER: THE MATHORKS COMPANY LLC, 11900 OLD BALTIMORE PIKE, BELTSVILLE, MD 20705, (301-837-1272)
   1. BBW ENTRY: REFER TO FINISH SCHEDULE.

D. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND APPLICABLE CODES AND STANDARDS. G.C. TO PAINT SUBSTRATE. ONCE DRY, CLEAN RECESSED WELL PRIOR TO INSTALLING GRID.

SECTION 097216 - VINYL-COATED FABRIC WALL COVERINGS

A. GENERAL: PROVIDE PREFINISHED GLASS FIBER REINFORCED POLYESTER RESIN FABRICATED WALL PANELS, WITH TRIM PIECES AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION

B. SUBMITTALS: SEE SECTION 013000.

C. MAINTENANCE INSTRUCTIONS: SEE SECTION 017000.

D. MANUFACTURERS: AS INDICATED ON FINISH SCHEDULE.

E. TYPES: AS INDICATED ON FINISH SCHEDULE.

F. ADHESIVE: NONTOXIC TYPE RECOMMENDED BY WALL COVERING MANUFACTURER TO SUIT APPLICATION.

G. PROVIDE PRIMER WHICH ALLOWS REMOVAL OF WALL COVERING FROM GYPSUM BOARD WITHOUT DAMAGING PAPER FACING OF BOARD, AND WITHOUT PREMATURE SEPARATION OF WALL COVERING FROM WALL. PRIMER TO BE NON-STAINING AND NON-TOXIC, AS RECOMMENDED BY WALL COVERING MANUFACTURER.

H. EXAMINATION: ENSURE SURFACES TO RECEIVE WALL COVERING ARE CLEAN, TRUE AND FREE OF IRREGULARITIES, DO NOT COMMENCE WITH WORK UNTIL SURFACES ARE SATISFACTORY. ENSURE WALL SURFACE FLATNESS TOLERANCE DOES NOT VARY MORE THAN 1/8" IN 10'-0", NOR VARY AT A RATE GREATER THAN 1/16" PER RUNNING FOOT.

I. PREPARATION: COMPLY WITH MANUFACTURER'S RECOMMENDATIONS; FILL NICKS, GOUGES AND OTHER MINOR IMPERFECTIONS OF SUBSTRATES WITH LATEX FILLER; SAND SMOOTH, FLUSH WITH SURFACE; APPLY PRIME COAT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

J. APPLICATION: HANDLE AND APPLY WALL COVERING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS; MIX AND APPLY ADHESIVE IN ACCORDANCE WITH ADHESIVE MANUFACTURER'S RECOMMENDATIONS.
   1. USE PANELS IN EXACT ORDER AS CUT FROM ROLLS; USE ROLLS IN CONSECUTIVE ORDER AS NUMBERED BY MANUFACTURER.
   2. HORIZONTAL SEAMS AND CUTTING AT CORNERS ARE NOT ACCEPTABLE; CUT NO CLOSER THAN 2" OF AN INSIDE CORNER, AND NOT CLOSER THAN 6" OF AN OUTSIDE CORNER.
   3. FILL SPACES ABOVE & BELOW WINDOWS, DOORS, AND SIM. AREAS IN SEQUENCE FROM ROLL.

INSTALL IN PATTERN AS PROVIDED BY MANUFACTURER OR AS INDICATED IN DRAWINGS

SECTION 097716.16 - RIGID-SHEET VINYL WALL COVERINGS (F.R.P. PANELS)

A. GENERAL: PROVIDE PREFINISHED GLASS FIBER REINFORCED POLYESTER RESIN FABRICATED WALL PANELS, WITH TRIM PIECES AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.

B. MANUFACTURERS: KEMLITE COMPANY/KEMLITE FIRE-X GLASBORD PLUS, SEQUENTIA, SET. INC./STRUCTOGLAS PYRO PANEL SYSTEM, OR NUDO PRODUCTS, INC./FIBER-LITE PANELS, CLASS

C. PANELS: FIBERGLASS REINFORCED PLASTIC (FRP) PANEL SYSTEM; NOMINAL 0.090" THICKNESS; WHITE.
   1. FIRE-RATING: CLASS I (UL CLASS A), MAXIMUM 25 FLAME SPREAD, 25 SMOKE GENERATION BASED ON ASTM E84 INSTALLATION.

D. TRIM PIECES: MANUFACTURER'S STANDARD MATCHING MOLDINGS AND TRIM PIECES AS REQUIRED FOR COMPLETE, FINISHED INSTALLATION, AND AS REQUIRED FOR JOINTS, CORNERS AND PANEL EDGES.

E. ADHESIVE: MANUFACTURER'S RECOMMENDED NONTOXIC, WATERPROOF ADHESIVE SUITABLE FOR SUBSTRATES INDICATED.

F. PRIMER: PROVIDE NON-STAINING RELEASE COAT PRIMER AS RECOMMENDED BY WALL PANEL MANUFACTURER WHERE PANELS ARE APPLIED TO GYPSUM BOARD.

G. MECHANICAL FASTENERS: CONCEALED TYPE ONLY; TYPES AS RECOMMENDED BY SYSTEM MANUFACTURER.

H. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND APPLICABLE REQUIREMENTS FOR FIRE RATINGS. CORE AND MITER TRIM PIECES. INSTALL PANELS IN MAXIMUM SIZE INCREMENTS AVAILABLE.
   1. INSTALL WALL PANELING BEFORE INSTALLATION OF PLUMBING, BASES, HARDWARE, AND SIMILAR ACCESSORIES.
   2. SECURELY ADHERE PANELS TO WALL SURFACES; USE BLIND NAILING METHODS AND REQUIRED TO SUPPORT PANELS UNTIL ADHESIVE DRIES; EXPOSED MECHANICAL FASTENERS SHALL NOT BE ACCEPTABLE. REMOVE EXCESS ADHESIVE FROM EDGES; WIPE SEAM CLEAN WITH DRY CLOTH TOWEL.

SECTION 099000 - PAINTING AND COATING

A. GENERAL: PROVIDE PAINTING OF EXPOSED ITEMS AND SURFACES NOT PREFINISHED, AS REQUIRED FOR COMPLETE FINISHED INSTALLATION

B. SURFACES NOT TO BE PAINTED: PREFINISHED ITEMS; CONCEALED AND INACCESSIBLE AREAS, CODE-REQUIRED LABELS.

C. STANDARDS: PROVIDE MATERIALS APPROVED FOR USE BY APPLICABLE AIR QUALITY MANAGEMENT DISTRICT FOR LIMITATIONS OF VOLATILE ORGANIC COMPOUNDS FOR ARCHITECTURAL COATINGS.

D. SUBMITTALS: FURNISH PRODUCT DATA AND SAMPLES.
   1. DUPLICATED PAINTED FINISHES OF APPROVED SAMPLES ON ACTUAL WALL SURFACES AND COMPONENTS FOR APPROVAL PRIOR TO COMMENCING WORK.

E. DELIVERY: DELIVER MATERIALS TO JOB SITE IN ORIGINAL, NEW AND UNOPENED PACKAGES AND CONTAINERS BEARING MANUFACTURER'S NAME AND LABEL.

F. MANUFACTURER: BENJAMIN MOORE

G. MATERIAL QUALITY: PROVIDE TOP LINE QUALITY COMMERCIAL GRADE (PROFESSIONAL PAINTER…PAINTS; MATERIALS NOT BEARING MANUFACTURER'S IDENTIFICATION AS A BEST-GRADE PRODUCT SHALL NOT BE ACCEPTABLE.
   1. PRIMERS; PROVIDE PREMIUM GRADE PRIMERS RECOMMENDED BY PAINT MANUFACTURER FOR SUBSTRATES INDICATED AND FOR FINISH SYSTEMS SPECIFIED.
   2. UNDERCOATS AND BARRIER COATS: PROVIDE UNDERCOAT PAINTS PRODUCED BY SAME MANUFACTURER AS FINISH COATS; USE ONLY THINNERS APPROVED BY PAINT MANUFACTURER, AND USE ONLY WITHIN RECOMMENDED LIMITS.
   3. FINISH COATS: PROVIDE FINISH COATS CAPABLE OF BEING WASHED WITH MILD DETERGENT WITHOUT LOSS OF COLOR, SHEEN, OR PIGMENTS.
   4. FINISH COAT COORDINATION: PROVIDE FINISH COATS WHICH ARE COMPATIBLE WITH PRIME PAINTS, UNDERCOATS, AND BARRIER COATS USED. VOLATILE ORGANIC COMPOUNDS: PROVIDE MATERIALS WITH MINIMAL VOLATILE ORGANIC COMPOUNDS (VOC); COMPLY WITH APPLICABLE REGULATIONS.

H. COLORS AND FINISHES: PURE, NON-FADING, APPLICABLE TYPES TO SUIT SERVICE INDICATED; NO LEAD CONTENT PERMITTED.

I. PREPARATION: PERFORM PREPARATION AND CLEANING PROCEDURES IN ACCORDANCE WITH PAINT MANUFACTURER'S INSTRUCTIONS AND AS SPECIFIED FOR SUBSTRATE CONDITION.
   1. EXAMINE AREAS AND CONDITIONS UNDER WHICH PAINTING WORK IS TO BE APPLIED. START OF PAINTING WORK INDICATES ACCEPTANCE OF SURFACES AND CONDITIONS OF SURFACES AND CONDITIONS WITHIN ANY PARTICULAR AREA.
   2. REMOVE HARDWARE, ACCESSORIES, AND ITEMS IN PLACE AND NOT TO BE PAINTED, OR PROVIDE PROTECTION PRIOR TO SURFACE PREPARATION AND PAINTING; AFTER PAINTING REINSTALL REMOVED ITEMS.

J. APPLICATION: APPLY PAINT IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS; USE APPLICATORS AND TECHNIQUES BEST SUITED FOR SUBSTRATE AND TYPE OF MATERIAL BEING APPLIED.
   1. APPLY ADDITIONAL COATS WHEN STAINS OR BLEMISHES SHOW THROUGH FINAL COAT, UNTIL PAINT IS A UNIFORM FINISH, COLOR AND APPEARANCE.
   2. FINISH DOORS ON TOPS, BOTTOMS AND SIDE EDGES SAME AS FACES. PROVIDE EXTRA ATTENTION TO ASSURE DRY FILM THICKNESS AT CORNERS AND CREVICES IS EQUIVALENT TO THAT OF FLAT SURFACES.
   3. PAINT SURFACES BEHIND MOVABLE EQUIPMENT AND FURNITURE SAME AS SIMILAR EXPOSED SURFACES; PAINT SURFACES BEHIND PERMANENTLY-FIXED EQUIPMENT AND FURNITURE WITH PRIME COAT ONLY.
   4. PAINT BACK SIDES OF ACCESS PANELS AND REMOVABLE OR HINGED COVERS TO MATCH EXPOSED SURFACE.

SECTION 099000.10 - PLASTER

A. PREPARATION:
   1. PRIME WALLS WITH TWO COATS OF GRAY (PT-93 BENJAMIN MOORE AF-715 "DOLPHIN").
   2. ENSURE CORNER BEAD IS INSTALLED AT OUTSIDE CORNERS OF ALL GYP. BD. PASS-THRU'S THAT RECEIVE PLASTER FINISH.
   3. SAND LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL AND EACH VARNISH COAT.

K. SCHEDULING PAINTING: APPLY FIRST COAT TO SURFACES THAT HAVE BEEN CLEANED, PRETREATED OR PREPARED FOR PAINTING AS SOON AS PRACTICABLE AFTER PREPARATION.
   1. ALLOW TIME BETWEEN SUCCESSIVE COATINGS TO PERMIT PROPER DRYING. DO NOT RECOAT UNTIL PAINT FEELS FIRM AND DOES NOT DEFORM OR FEEL STICKY UNDER MODERATE THUMB PRESSURE.

L. MINIMUM COATING THICKNESS: APPLY MATERIALS AT NOT LESS THAN MANUFACTURER'S RECOMMENDED SPREADING RATE, TO ESTABLISH A TOTAL DRY FILM THICKNESS AS RECOMMENDED BY COATING MANUFACTURER.

M. PRIME COATS: APPLY TO ITEMS NOT PREVIOUSLY PRIMED; RECOAT PRIMED AND SEALED SURFACES WHERE THERE IS EVIDENCE OF SUCTION SPOTS OR UNSEALED AREAS IN FIRST COAT.

N. FINNISH COATS: PROVIDE EVEN TEXTURE; LEAVE NO LAPS, IRREGULARITY IN TEXTURE, SKID MARKS, OR OTHER SURFACE IMPERFECTIONS.

O. PAINT SYSTEM: PROVIDE MINIMUM TWO COAT PLUS PRIMER SYSTEMS.
   1. EXT. PAINTED METAL: SEMI-GLOSS 100% ACRYLIC.
   2. GYPSUM BOARD WALLS: EGGSHELL (SATIN) LATEX EMULSION.
   3. GYPSUM BOARD CEILINGS: FLAT LATEX EMULSION.
   4. TOILET ROOM WALLS AND CEILINGS: SEMI-GLOSS ACRYLIC ENAMEL.
   5. INT. PAINTED METAL: SEMI-GLOSS 100% ACRYLIC.
   6. CONCRETE FLOORS: CLEAR PENETRATING SEAL; ONE COAT SYSTEM ACCEPTABLE.
   7. FLOOR STRIPES: TRAFFIC BEARING, NON-SLIP STRIPE PAINT; ONE COAT SYSTEM ACCEPTABLE.
   8. SHEENS: COMPLY WITH ASTM D523, REFLECTANCE OF PAINT.

P. CLEAN-UP: DURING PROGRESS OF WORK, REMOVED DISCARDED PAINT MATERIALS, RUBBISH, CANS AND RAGS FROM SITE AT END OF EACH WORK DAY.
   1. CLEAN GLASS AND PAINT-SPATTERED SURFACES IMMEDIATELY BY PROPER METHODS OF WASHING AND SCRAPING, USING CARE NOT TO SCRATCH OR DAMAGE FINISHED SURFACES.

Q. PROTECTION: PROTECT WORK OF OTHER TRADES, WHETHER TO BE PAINTED OR NOT; CORRECT DAMAGE BY CLEANING, REPAIRING OR REPLACING, AND REPAINTING, AS ACCEPTABLE TO OWNER'S PROJECT MANAGER.
   1. PROVIDE "WET PAINT" SIGNS TO PROTECT NEWLY-PPAINTED FINISHES.
   2. REMOVED TEMPORARY PROTECTIVE WRAPPINGS PROVIDED BY OTHERS FOR PROTECTION OF THEIR WORK, AFTER COMPLETION OF PAINTING OPERATIONS.

R. REPAIR: AT COMPLETION OF WORK OF OTHER TRADES, TOUCHUP AND RESTORE DAMAGED SURFACES OR

NOTE - "EQUIVALENT" STUDS THAT HAVE A THICKNESS LESS THAN SPECIFIED BELOW ARE NOT ACCEPTABLE. EXAMPLES INCLUDE CLARKDIETRICH PROSTUD20, PROSTUD 25; MARINOWARE VIPOR STUD; CRACO SMARTFRAME.

LIGHT GAGE FRAMING - MINIMUM PROPERTIES

MIL. THICKNESS - GAGE NUMBER CROSS REFERENCE

25 GA. ------ 18 MIL	16 GA. ------ 54 MIL
22 GA. ------ 27 MIL	14 GA. ------ 68 MIL
20 GA. ------ 33 MIL	12 GA. ------ 97 MIL
18 GA. ------ 43 MIL	

EXAMPLE CROSS REFERENCE:

3 5/8", 18 GA STRUCTURAL METAL STUD = 362 S 162 - 43 METAL STUD

STUD DEPTH	(S=STUD) (T=TRACK)	FLANGE WIDTH	STUD THICKNESS
=3.625"		=1.625"	=43 MIL (18 GA.)
=3 5/8"		=1 5/8"	

TYPICAL STRUCTURAL STUDS AND TRACKS

FORMER STANDARD DESIGNATION	CURRENT SSMA DESIGNATION (STEEL STUD MANUFACTURERS ASSOCIATION)
2 1/2", 20 GA. STUD w/ 1 5/8" FLANGE	250S162-33
2 1/2", 18 GA. STUD w/ 1 5/8" FLANGE	250S162-43
3 5/8", 20 GA. STUD w/ 1 5/8" FLANGE	362S162-33
3 5/8", 18 GA. STUD w/ 1 5/8" FLANGE	362S162-43
6", 20 GA. STUD w/ 1 5/8" FLANGE	600S162-33
6", 18 GA. STUD w/ 1 5/8" FLANGE	600S162-43
8", 18 GA. STUD w/ 1 5/8" FLANGE	800S162-43
8", 16 GA. STUD w/ 1 5/8" FLANGE	800S162-54
10", 18 GA. STUD w/ 1 5/8" FLANGE	1000S162-43
10", 16 GA. STUD w/ 1 5/8" FLANGE	1000S162-54
12", 16 GA. STUD w/ 1 5/8" FLANGE	1200S162-54
12", 14 GA. STUD w/ 1 5/8" FLANGE	1200S162-97
1 5/8", 22 GA. TRACK w/ 1 1/4" LEG	162T125-27
1 5/8", 20 GA. TRACK w/ 1 1/4" LEG	162T125-33
2 1/2", 20 GA. TRACK w/ 1 1/4" LEG	250T125-33
2 1/2", 20 GA. TRACK w/ 2" LEG	250T200-33
2 1/2", 18 GA. TRACK w/ 1 1/4" LEG	250T125-43
2 1/2", 18 GA. TRACK w/ 2" LEG	250T200-43
3 5/8", 20 GA. TRACK w/ 1 1/4" LEG	362T125-33
3 5/8", 20 GA. TRACK w/ 2" LEG	362T200-33
3 5/8", 18 GA. TRACK w/ 1 1/4" LEG	362T125-43
3 5/8", 18 GA. TRACK w/ 2" LEG	362T200-43
6", 20 GA. TRACK w/ 1 1/4" LEG	600T125-33
6", 20 GA. TRACK w/ 2" LEG	600T200-33
6", 18 GA. TRACK w/ 1 1/4" LEG	600T125-43
6", 18 GA. TRACK w/ 2" LEG	600T200-43

TYPICAL HAT (FURRING) CHANNELS

7/8", 25 GA. FURRING CHANNEL	087F125-18
7/8", 22 GA. FURRING CHANNEL	087F125-27

LIGHT GAGE FRAMING SCREW CONNECTIONS

UNLESS NOTED, LIGHT GAGE FRAMING CONNECTIONS SHALL BE MADE USING #8 SCREWS. SEE DETAIL A/S03.1 FOR DIAGONAL BRACING CONNECTIONS.

AT LOCATIONS WHERE SHEATHING MATERIAL IS PLACED AGAINST THE SCREW HEADS OF LIGHTGAGE METAL FRAMING CONNECTIONS, PANCAKE HEAD SCREWS SHALL BE USED SO THAT THE SHEATHING MATERIAL REMAINS STRAIGHT AND SMOOTH.

SEISMIC DESIGN CATEGORIES A, B, C, D, E & F

LIGHT GAGE METAL FRAMING - STRUCTURAL STUDS | - / - | **R** 02.01.16

TABLE 1
STUD SIZE MATRIX FOR ALL INTERIOR PARTITIONS EXCEPT AS NOTED IN TABLES 2 & 3

SEISMIC DESIGN CATEGORIES D, E & F

STUD DESIGNATION	STUD DEPTH	FLANGE WIDTH	STUD GAUGE	STUD SPACING	MAXIMUM WALL HEIGHT SPANNING FROM FLOOR TO DECK
3625162-33	3 5/8"	1 5/8"	20	16"	17'-6"
3625162-43	3 5/8"	1 5/8"	18	16"	19'-0"
3625162-54	3 5/8"	1 5/8"	16	16"	20'-6"
6005162-33	6"	1 5/8"	20	16"	25'-6"
6005162-43	6"	1 5/8"	18	16"	28'-6"
6005162-54	6"	1 5/8"	16	16"	30'-0"

TABLE 2
STUD SIZE MATRIX FOR UNIT 6 & UNIT 7 CABINET WALLS

SEISMIC DESIGN CATEGORIES D, E & F

FULL HEIGHT VERTICAL STUDS SHALL BE 3 5/8", 20 GA STUDS (WITH 1 5/8" FLANGE) @ 16" O.C. MAX. INSTALL DIAGONAL BRACING AT APPROXIMATELY 11'-6" A.F.F. AS SHOWN IN THESE SECTIONS

TABLE 3
STUD SIZE MATRIX FOR PARTITIONS THAT LATERALLY SUPPORT FLOOR MOUNTED STOCKROOM SHELVING

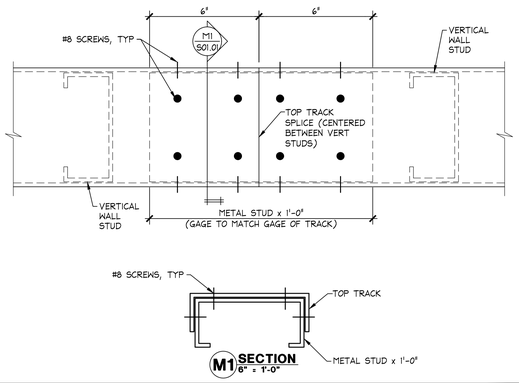
SEE DRAWING S03.02

NOTE: FOR ALL THREE TABLES ABOVE, AT LOCATIONS WHERE SHELVING OCCURS ON EACH SIDE OF A SINGLE STUD WALL, REDUCE THE STUD SPACING SHOWN IN THE TABLES ABOVE BY ONE-HALF, AND REDUCE THE DIAGONAL SPACING SHOWN IN DETAIL A/S03.01 BY ONE-HALF.

NOTES:
1. DESIGN BASED ON ALLOWABLE DEFLECTION OF L/200.
2. PROVIDE HORIZONTAL BRIDGING @ 4'-0" O.C. MAX. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. DESIGN BASED ON MINIMUM 5 PSF LATERAL LOAD, OR LATERAL SEISMIC LOAD, WHICHEVER CONTROLS.
4. TABLE IS VALID FOR UP TO (2) LAYERS OF 5/8" THK GYPSUM BOARD ON EACH SIDE OF METAL STUDS.
5. SEE A/S03.01 FOR DIAGONAL BRACING DETAILS.

SEISMIC DESIGN CATEGORIES D, E & F

STUD SIZE MATRIX - STRUCTURAL STUDS | NONE / 42DA121NOMATX | **N** 02.01.16



TOP TRACK SPLICE STRUCTURAL STUDS

6"=1'-0" / 42DS011M0DETL | **M**

CODED NOTES:

1. BEAM: TPL 12" DP, 16 GA STUD WITH 6", 16 GA TRACK TOP & BOTTOM. (PROVIDE 14 GA WEB STIFFENER AT ALL BEAM BEARING POINTS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.)

2. BEAM: DBL 12" DP, 16 GA STUD WITH 3 5/8", 16 GA TRACK TOP & BOTTOM. (PROVIDE 14 GA WEB STIFFENER AT ALL BEAM BEARING POINTS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.)

3. BUILT-UP BOX POST - DBL 3 5/8" DP, 20 GA STUDS WITH 3 5/8", 20 GA TRACK, EA SIDE. ATTACH BOX POST TO BEAM PER DETAIL C/S03.01, UNLESS NOTED.

4. BUILT-UP BOX POST - TPL 3 5/8" DP, 20 GA STUDS WITH 6",20 GA TRACK, EA SIDE. ATTACH BOX COLUMN TO BEAM PER DETAIL C/S03.1, UNLESS NOTED.

CODED NOTES

- / - | **L** 11.11.16

STRUCTURAL NOTES:

A. CONTROLLING BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE W/ STATE & LOCAL AMENDMENTS

SEISMIC DESIGN CATEGORY D

B. STRUCTURAL COLD FORMED METAL FRAMING

1. ALL STOREFRONT FRAMING SHOWN IN STRUCTURAL SECTIONS (S02.XX DRAWINGS) AND AS NOTED STRUCTURAL SHALL CONFORM TO THE REQUIREMENT OF THIS SECTION.
2. COLD FORMED STEEL FRAMING SHALL CONFORM TO REQUIREMENTS OF THE CURRENT EDITION OF AISI "SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
3. ALL MEMBERS SHALL BE FORMED FROM CORROSION-RESISTANT STEEL (GRADE 33 UNLESS OTHERWISE SPECIFIED) AND THEN ZINC COATED PER ASTM A653, GRADE G-60.
4. ALL COLD FORMED MEMBERS SHALL COME FROM A SINGLE MANUFACTURER, "CLARKDIETRICH" OR EQUAL. THE INSTALLATION SHALL COMPLY WITH THE MANUFACTURER'S RECOMMENDATIONS.
5. DESIGN BASED ON Fy = 33 KSI FOR MEMBERS 43 MILS AND LIGHTER. Fy = 50 KSI FOR MEMBERS 54 MILS AND HEAVIER.
6. ALL STOREFRONT FRAMING SHOWN IN THE STRUCTURAL SECTIONS SHALL HAVE 1 5/8" FLANGES AND WEB DEPTHS AS INDICATED ON THE DRAWINGS
7. TRACK BLOCKING IN WALLS AND CEILINGS SHOWN IN THE ARCHITECTURAL DRAWINGS SUCH AS F/A12.01, ETC. SHALL BE 18 GA (43 MIL) WITH 1 1/4" FLANGES
8. SEE SECTION L/S03.01 FOR DEEP LEG DEFLECTION TRACK DETAILS
9. BASE TRACKS SHALL BE SET ON SMOOTH AND LEVEL CONCRETE OR NON-SHRINK GROUT SUCH AS "MASTERFLOW 713" BY MASTER BUILDERS.
10. FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING CADMIUM PLATED OR ZINC COATED SCREWS (UNLESS NOTED). SCREWS SHALL BE OF SUFFICIENT SIZE TO ENSURE THE STRENGTH OF THE CONNECTION.
11. SEE DETAIL R/S01.01 FOR ADDITIONAL SCREW REQUIREMENTS.
12. SPLICES IN FRAMING COMPONENTS OTHER THAN BOTTOM WALL TRACK ARE NOT PERMITTED.
13. STUDS SHALL BE INSTALLED SO THE ENDS ARE POSITIONED AGAINST THE INSIDE OF THE RUNNER TRACK WEB PRIOR TO FASTENING AND SHALL BE ATTACHED TO BOTH FLANGES OF THE UPPER AND LOWER RUNNER TRACKS, WITH (1)-#8 SCREW IN EACH FLANGE OF EACH STUD, UNLESS NOTED.
14. ATTACH BOTTOM TRACKS WITH 0.157" DIA POWDER ACTUATED FASTENERS (HILTI X-U, ICC ESR-2269 OR EQUIVALENT) AT 12" O.C. W/ 1" EMBEDMENT, TYP U.N.

C. NON-STRUCTURAL COLD FORMED METAL FRAMING

1. ALL INTERIOR FRAMING NOT COVERED IN STRUCTURAL LIGHTGAGE FRAMING SECTION SHALL COMPLY WITH THIS SECTION.
2. COLD FORMED STEEL FRAMING SHALL CONFORM TO REQUIREMENTS OF THE CURRENT EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE PUBLICATION "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL FRAMING - NONSTRUCTURAL MEMBERS", EXCEPT AS OTHERWISE SHOWN OR SPECIFIED.
3. FRAMING MEMBERS SHALL COMPLY WITH ASTM C 645 FOR CONDITIONS INDICATED. STEEL SHEET COMPONENTS SHALL COMPLY WITH ASTM C 645 AND PROTECTIVE COATING SHALL COMPLY WITH ASTM A 653 G40 OR HAVE A COATING THAT PROVIDES EQUIVALENT CORROSION RESISTANCE. A 40 G ALUMINIZED PRODUCTS ARE NOT ACCEPTABLE.
4. FRAMING SHALL HAVE A MINIMUM THICKNESS OF 0.019 INCHES (57 KSI MINIMUM YIELD STRENGTH) OR 0.030 INCHES (33 KSI MINIMUM YIELD STRENGTH).
5. FRAMING SHALL HAVE 1 1/4" FLANGES AND WEB DEPTHS INDICATED ON THE DRAWINGS.
6. FRAMING BASIS OF DESIGN: CLARKDIETRICH PROSTUD20, MARINOWARE VIPER 20. 30 MIL, 33 KSI DRYWALL STUDS ARE ALSO ACCEPTABLE ALTERNATIVES. IF SUBSTITUTIONS ARE REQUESTED, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVING THE SUBSTITUTION IS AT LEAST EQUIVALENT TO THE BASIS OF DESIGN. THIS INCLUDES SUBMITTING LOAD TABLES SHOWING THE SUBSTITUTED STUDS MEET OR EXCEED THE UNBRACED HEIGHTS GIVEN IN THE NON-COMPOSITE TABLES OF THE BASIS OF DESIGN STUDS AS WELL AS TESTING DATA THAT INDICATES SCREW CONNECTIONS FOR #8 SCREWS MEET OR EXCEEDS PUBLISHED VALUES OF THE BASIS OF DESIGN STUDS.
7. SEE SECTION L/S03.01 FOR DEEP LEG DEFLECTION TRACK DETAILS
8. BASE TRACKS SHALL BE SET ON SMOOTH AND LEVEL CONCRETE OR NON-SHRINK GROUT SUCH AS "MASTERFLOW 713" BY MASTER BUILDERS.
9. FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING CADMIUM PLATED OR ZINC COATED SCREWS (UNLESS NOTED). SCREWS SHALL BE OF SUFFICIENT SIZE TO ENSURE THE STRENGTH OF THE CONNECTION.
10. SEE DETAIL R/S01.01 FOR ADDITIONAL SCREW REQUIREMENTS.
11. SPLICES IN FRAMING COMPONENTS OTHER THAN BOTTOM WALL TRACK ARE NOT PERMITTED.
12. ATTACH BOTTOM TRACKS WITH 0.157" DIA POWDER ACTUATED FASTENERS (HILTI X-U OR EQUIVALENT) AT 16" O.C., TYP U.N.
13. STUDS SHALL BE INSTALLED SO THE ENDS ARE POSITIONED AGAINST THE INSIDE OF THE RUNNER TRACK WEB PRIOR TO FASTENING AND SHALL BE ATTACHED TO BOTH FLANGES OF THE UPPER AND LOWER RUNNER TRACKS, WITH (1)-#8 SCREW IN EACH FLANGE OF EACH STUD, UNLESS NOTED.

D. STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", CURRENT EDITION.
2. WELDED CONNECTIONS SHALL CONFORM TO THE CURRENT REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.01. WELDING ELECTRODES SHALL BE E70XX, LOW HYDROGEN.
3. BOLTS AND BOLTED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" CURRENT EDITION. SEE SECTIONS AND DETAILS FOR SPECIFIC CONNECTION REQUIREMENTS.
4. STRUCTURAL STEEL BEAMS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A992, Fy = 50 KSI. STEEL TUBE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A500, GRADE C, Fy = 50 KSI. STEEL PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A501, Fy = 36 KSI. ALL OTHER STEEL SHAPES, PLATES, ETC., SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36, Fy = 36 KSI.

E. CAST-IN-PLACE CONCRETE

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS, WITH A WATER CEMENT RATIO = .50 (MAXIMUM). CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED AT 6% ± 1.5%
2. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 DELIVERED IN FLAT SHEETS.
4. ALL MIXES SHALL INCLUDE EITHER ASTM C150 PORTLAND CEMENT OR ASTM C595 PORTLAND-LIMESTONE CEMENT.
5. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" CURRENT EDITION OF ACI.
6. ALL REINFORCING DETAILS SHALL CONFORM TO "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" CURRENT EDITION OF ACI, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
7. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL OPENINGS, SLEEVES, ANCHOR BOLTS, INSERTS, ETC., AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED.
8. CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC., NECESSARY TO SUPPORT REINFORCING STEEL. CHAIRS WHICH BEAR ON EXPOSED CONCRETE SURFACES SHALL HAVE ENDS WHICH ARE PLASTIC TIPPED OR STAINLESS STEEL. CHAIRS WHICH BEAR ON EXPOSED CONCRETE SURFACES TO RECEIVE SANDBLAST FINISH SHALL BE STAINLESS STEEL.
9. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
   3"----CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH.
   2"----CONCRETE EXPOSED TO EARTH OR WEATHER, #6 THRU #18 BARS.
   1-1/2"-CONCRETE EXPOSED TO EARTH OR WEATHER, #5 BAR & SMALLER.
   1-1/2"--CONCRETE NOT EXPOSED TO WEATHER NOR IN CONTACT WITH EARTH FOR THE PRIMARY REINFORCEMENT, TIES, STIRRUPS AN SPIRALS IN BEAMS AND COLUMNS.
   3/4"---CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH FOR SLABS, WALLS AND JOISTS, #11 BAR & SMALLER.

F. MASONRY WALL CONSTRUCTION

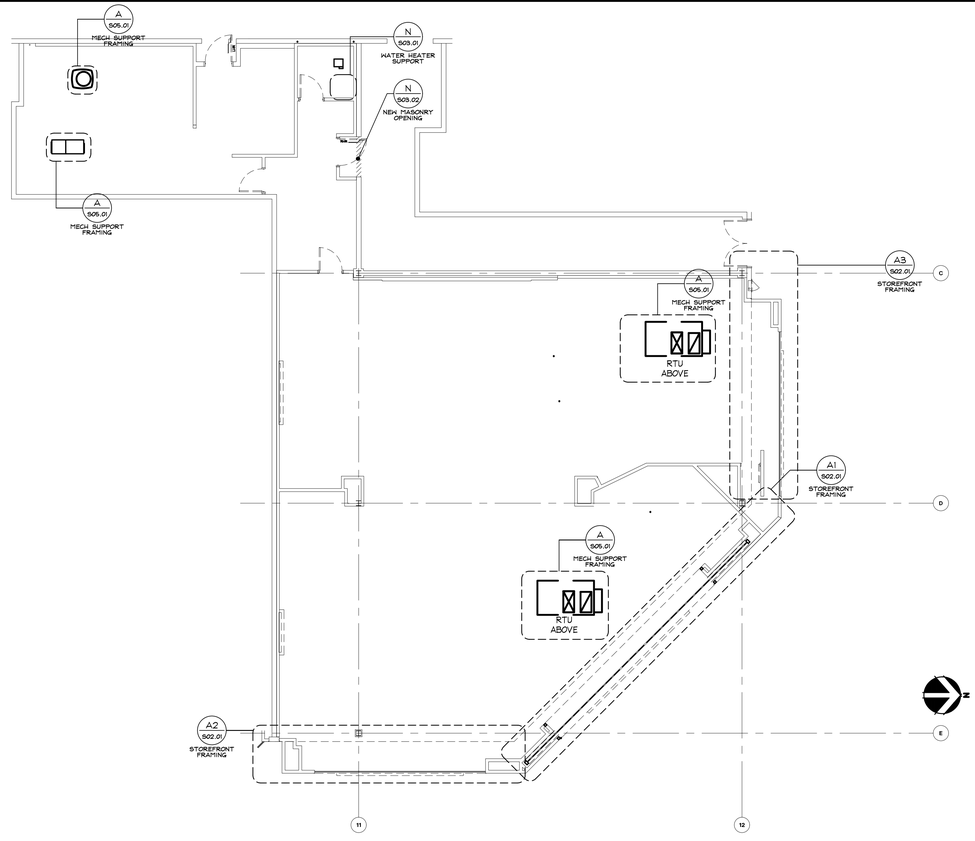
1. MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT VERSIONS OF ACI 530 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" AND ACI 530.1 "SPECIFICATIONS FOR MASONRY STRUCTURES"
2. HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, TYPE N1, CONFORMING TO ASTM C90, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 2500 PSI (f'm = 1900 PSI).
3. MORTAR SHALL BE TYPE M OR S, CONFORMING TO ASTM C270.
4. COURSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
5. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH CELLS FILLED WITH COARSE GROUT.
6. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 8'-0". REINFORCEMENT SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL, TYPICAL UNLESS OTHERWISE NOTED.
7. REINFORCING STEEL SHALL BE LAPPED MINIMUM AS LISTED BELOW:
   - #4 BAR, 8' CMU = 13 IN
   - #5 BAR, 8' CMU = 20 IN
   - #5 BAR, 12" CMU = 13 IN
8. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN SIX VERTICALS. DOWELS SHALL BE GROUTED INTO A CORE IN VERTICAL ALIGNMENT, EVEN THOUGH IT IS IN THE CELL ADJACENT TO THE VERTICAL WALL REINFORCEMENT.
9. HORIZONTAL WALL REINFORCEMENT SHALL BE STANDARD TRUSS TYPE DUR-O-WAL AT 16" C/C., UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
10. SPLICED WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT WITHIN THE 6 INCHES. LAP WITH STANDARD "T" AND "L" SHAPED PIECES AT INTERSECTIONS AND CORNERS.
11. PROVIDE A MINIMUM OF 3 COURSES HIGH BY 2 COURSES WIDE GROUTED SOLID MASONRY AT BEAM BEARING POINTS.
12. PROVIDE PRECAST CONCRETE LINTELS OVER ALL OPENINGS UNLESS NOTED OTHERWISE ON DRAWINGS. LINTELS SHALL BE OF SUFFICIENT SIZE AND REINFORCEMENT FOR THE GIVEN SPANS AND LOADING CONDITIONS. SUBMIT SHOP DRAWINGS WITH RATED LOAD CAPACITIES TO THE ARCHITECT FOR REVIEW.
13. PROVIDE A KNOCK-OUT BLOCK OR U-BLOCK REINFORCED WITH (1)-#5 CONTINUOUS AT THE SILL OF ALL WINDOW OPENINGS. EXTEND 16" BEYOND EACH SIDE OF THE OPEN TYPICALLY.
14. BOND PILASTERS TO ADJOINING MASONRY WALLS WITH INTERLOCKING UNITS.
15. PROVIDE 2 COURSES BY 16" WIDE SOLID OR GROUTED SOLID MASONRY AT JOIST AND LINTEL BEARING POINTS.
16.

G. FRAMING LUMBER - NOT USED

H. LAMINATED VENEER LUMBER BEAMS (LVL) - NOT USED

STRUCTURAL SPECIFICATIONS

- / - | **C** -



City of Puyallup
Development & Permitting Services
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Building	Planning
Engineering	Public Works
Fire	Traffic

PRCTI20221802

LOCATION PLAN

1/8" = 1'-0" / - | **A** -

GF
www.greenbergfarrow.com
21 South Evergreen Ave.
Suite 200
Arlington Heights, IL 60005

Project 2021012

expires 6/18/24
date 12/23/22

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

PROJECT INFORMATION:
SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 231So.00
A/E PROJECT #: 20221012.0

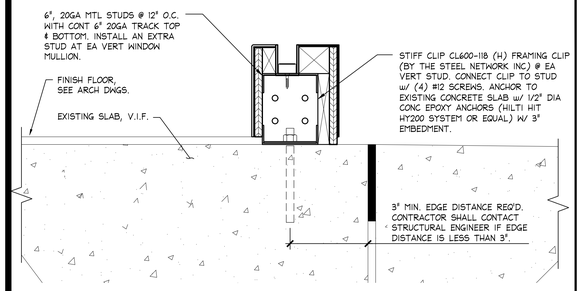
REVISIONS:

	REQUIRED BY:	DATE:
1	REV1 - POR REVISION & DESIGN UPDATES	12/23/2022

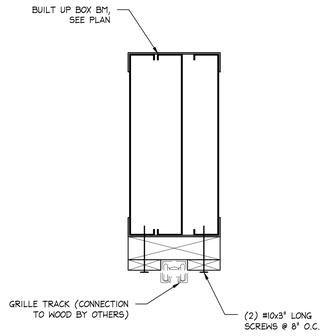
DATE ISSUED: 11/04/2022
DESIGNED BY: AD
DRAWN BY: AD
CHECKED BY: MH

STRUCTURAL SPECIFICATIONS AND NOTES

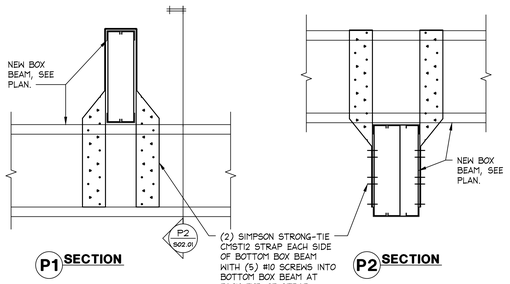
DRAWING NUMBER:
S01.01



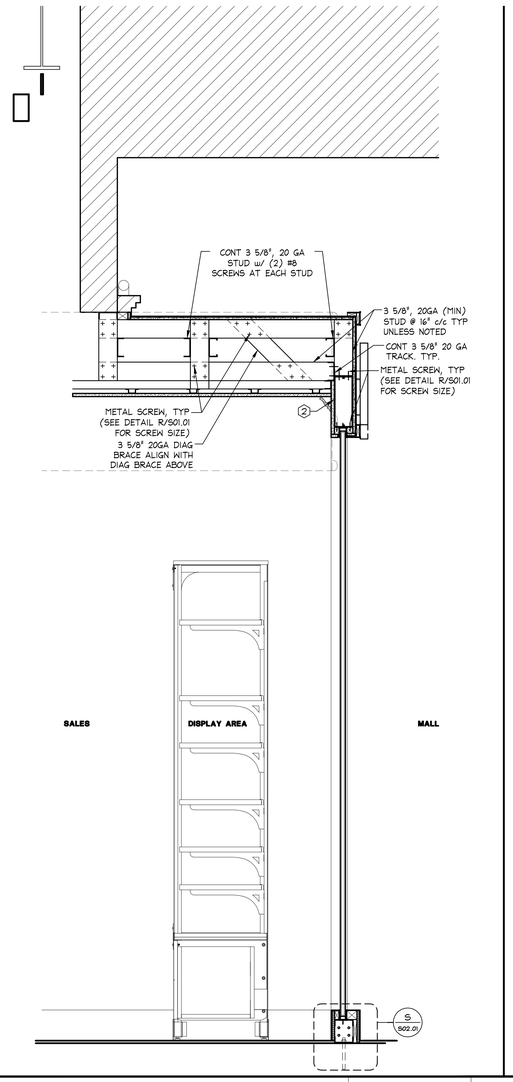
KNEE WALL DETAIL | 3"=1'-0" | - | **S**



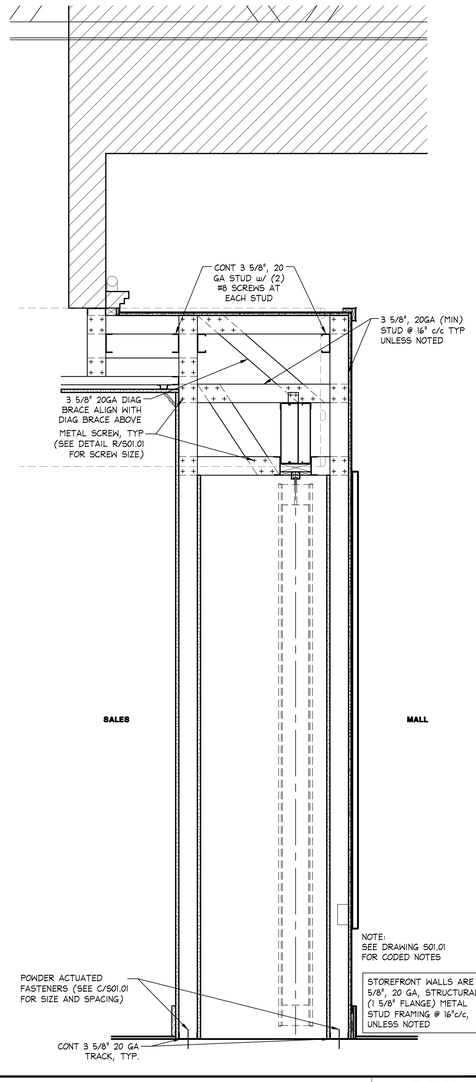
BLOCKING DETAIL | 3"=1'-0" | - | **R**



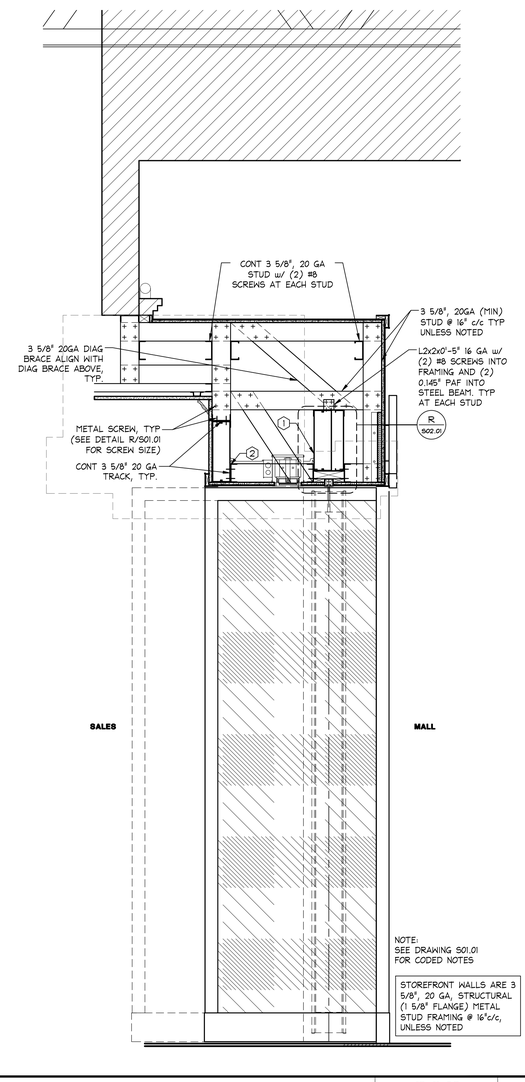
BOX HEADER CONNECTION | 1 1/2"=1'-0" | P



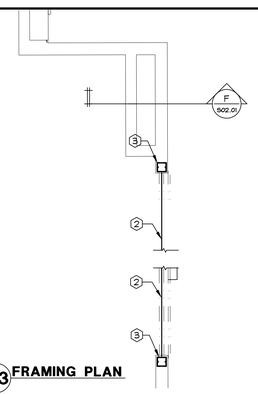
STOREFRONT SECTION - BBW | 1"=1'-0" | - | **J**



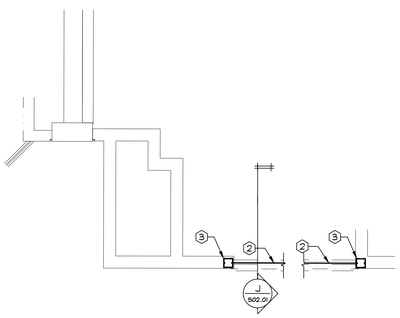
STOREFRONT SECTION - BBW | 1"=1'-0" | - | **F**



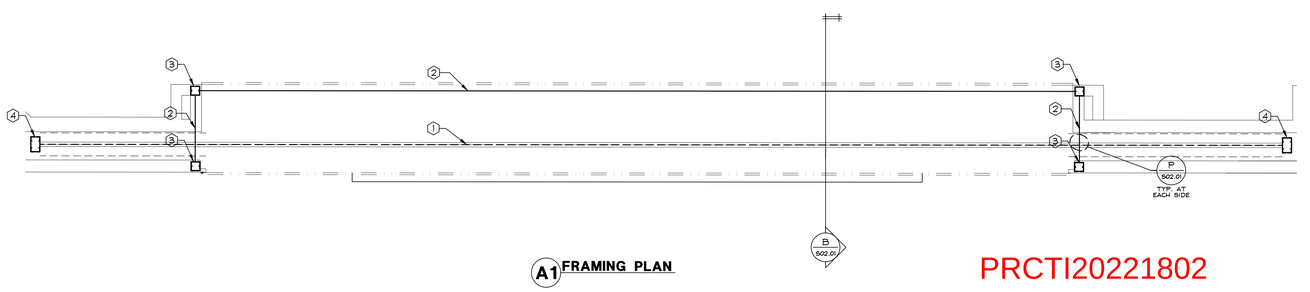
STOREFRONT SECTION - BBW | 1"=1'-0" | - | **B**



A3 FRAMING PLAN



A2 FRAMING PLAN



A1 FRAMING PLAN

NOTE: SEE DRAWING S01.01 FOR CODED NOTES

STOREFRONT WALLS ARE 3 5/8", 20 GA, STRUCTURAL (1 5/8" FLANGE) METAL STUD FRAMING @ 16"c/c, UNLESS NOTED

PRCTI20221802

STOREFRONT FRAMING PLAN | 1/2"=1'-0" | - | **A**

City of Puyallup
Development & Permitting Services
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Engineering	Public Works
Fire	Traffic

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21 South Evergreen Ave.
Suite 200
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date 12/23/22

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 231So.00
A/E PROJECT #: 20221012.0

REVISIONS:

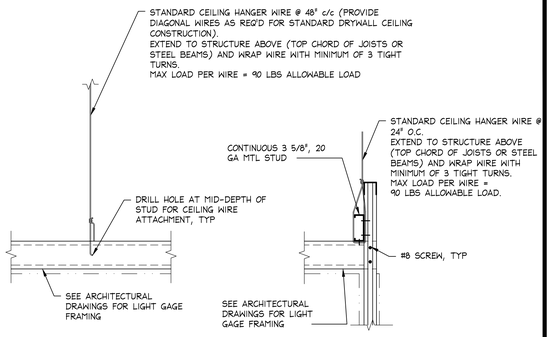
	REQUIRED BY:	DATE
1	REV1 - POR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: AD
DRAWN BY: AD
CHECKED BY: MH

STOREFRONT FRAMING PLAN

DRAWING NUMBER:
S02.01

S02.01 Type I ceiling grid



SUSPENDED FRAMING DETAILS

1 1/2":1'-0"

00DS031S00DETL

S 11.11.16

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

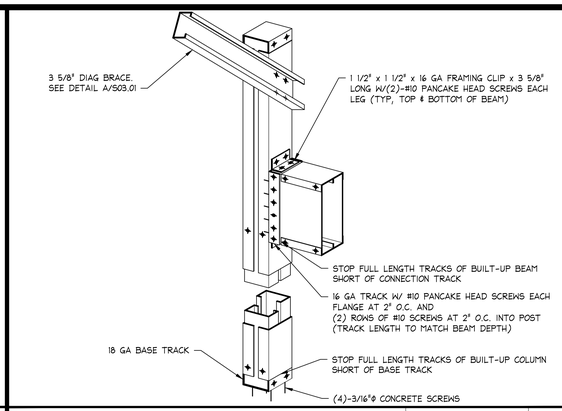
Building	Planning
Engineering	Public Works
Fire	Traffic

NOT USED

-

-

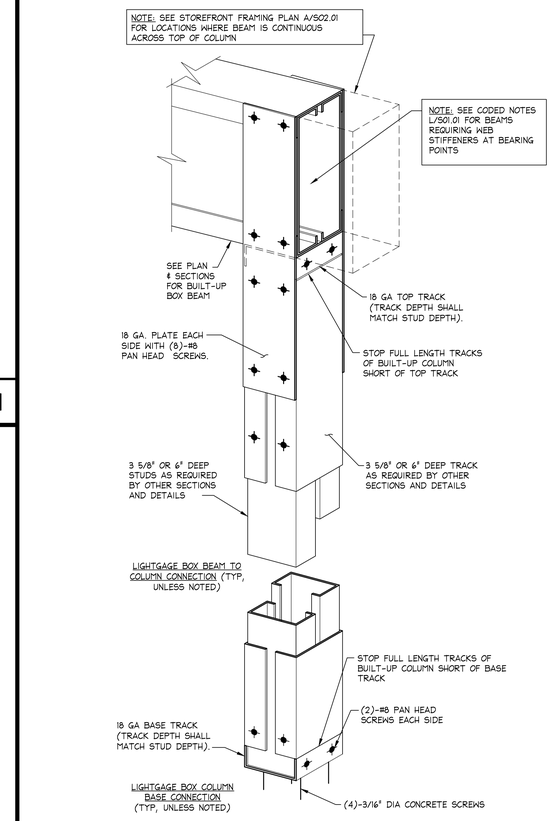
M -



COLUMN CONNECTIONS

1/2":1'-0"

H

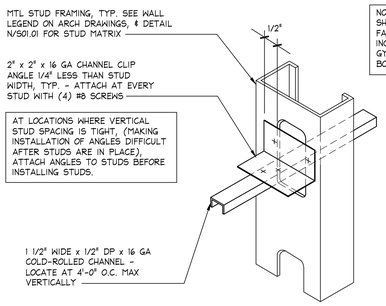


LIGHTGAGE BOX COLUMN DETAIL

3"=1'-0"

00DS031C00COLM

C 10.24.17



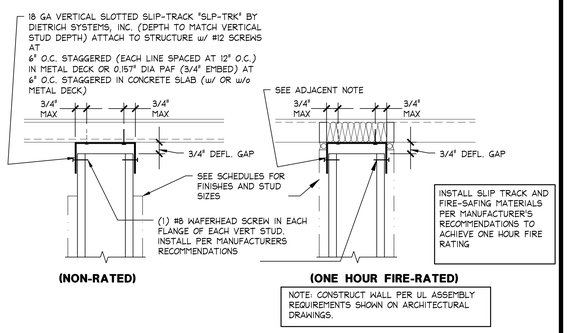
NOTE: BRIDGING IS NOT REQUIRED IF SHEATHING IS ATTACHED TO BOTH FACES OF THE STUD. (SHEATHING INCLUDES, BUT IS NOT LIMITED TO, GYPSOM BOARD, PLYWOOD, CEMENT BOARD, ETC.)

BRIDGING DETAIL

N.T.S

00DS031R00DETL

R 08.14.09



INSTALL SLIP TRACK AND FIRE-SAFING MATERIALS PER MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE ONE HOUR FIRE RATING

NOTE: CONSTRUCT WALL PER UL ASSEMBLY REQUIREMENTS SHOWN ON ARCHITECTURAL DRAWINGS.

DEFLECTION TRACK DESIGN CATEGORIES D, E & F

3"=1'-0"

00DS031L10DETL

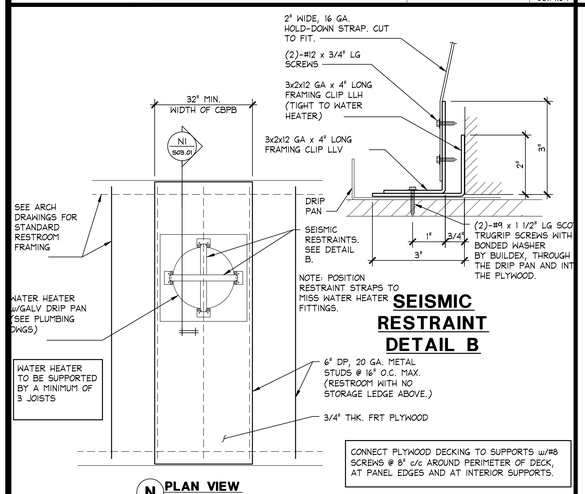
L

NOT USED

N.T.S.

-

G -



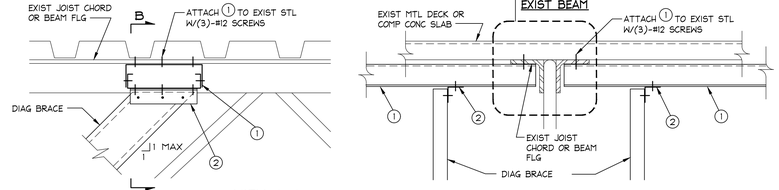
SEISMIC RESTRAINT DETAIL B

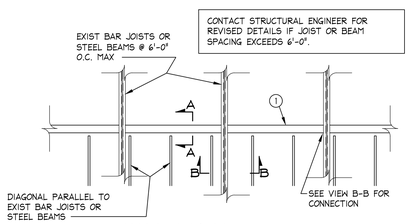
WATER HEATER SUPPORT ABOVE RESTROOM SEISMIC DESIGN CATEGORIES D, E & F

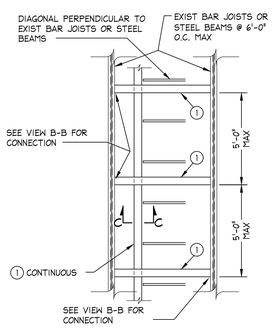
1" = 1'-0"

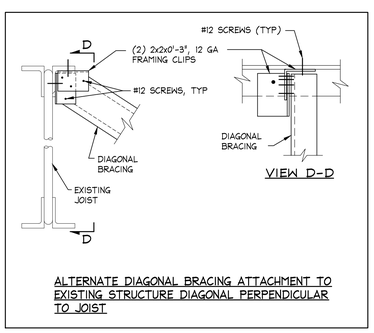
00D-S031-N03-PLAT

N 08.15.11



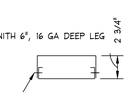






CODED NOTES:

(1) 6", 16 GA MTL STUD WITH 6", 16 GA DEEP LEG TRACK.



(2) 2 x 2 x 12 GA x 6" LG FRAMING CLIP, ONE SIDE OF DIAG, W/(3)-#12 SCREWS EACH LEG.

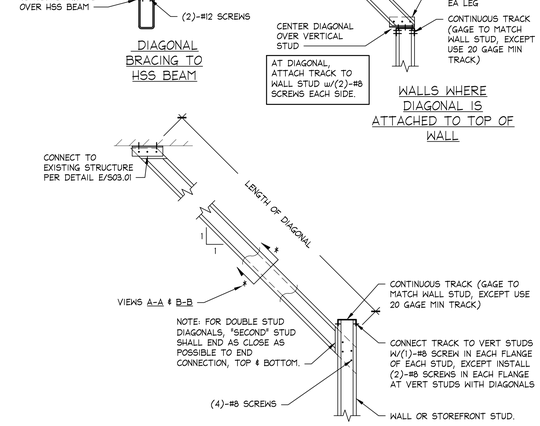
DIAGONAL BRACING ATTACHMENT TO EXISTING BAR JOISTS OR STEEL BEAMS

TYPICAL DIAGONAL BRACE CONNECTION

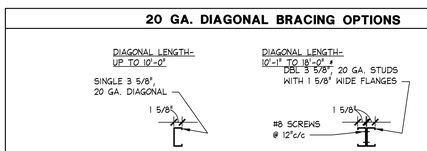
N.T.S.

00DS031E00BRAC

E 08.14.09



20 GA. DIAGONAL BRACING OPTIONS



SPACING OF DIAGONAL BRACING	* CONTACT STRUCTURAL ENGINEER FOR LENGTHS LONGER THAN 18'-0".
INTERIOR PARTITIONS - 48" O.C. MAX STOREFRONT FRAMING - 48" O.C. MAX EXTERIOR WALLS - 48" O.C. MAX	

PRCTI20221802

TYPICAL DIAGONAL BRACING - STRUCTURAL STUDS - SDC D, E & F

1" = 1'-0"

05D-S031-A01-BRAC

A 02.01.16

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Project 2021012

expires 6/18/24
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SIS PKG 2
2315a.00
2022101 2.0

PROJECT INFORMATION:

104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE:
GENERATION: A/E
PROJECT #:

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - PCR REVISION & DESIGN UPDATES	12/23/2022

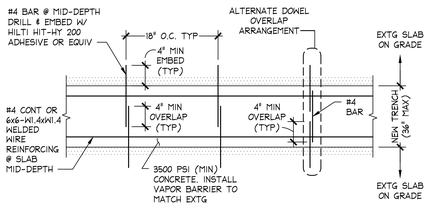
DATE ISSUED: 11/04/2022
DESIGNED BY: AD
DRAWN BY: AD
CHECKED BY: MH

STRUCTURAL CONSTRUCTION DETAILS

DRAWING NUMBER:

S03.01

S005 STRUCTURAL DETAILS

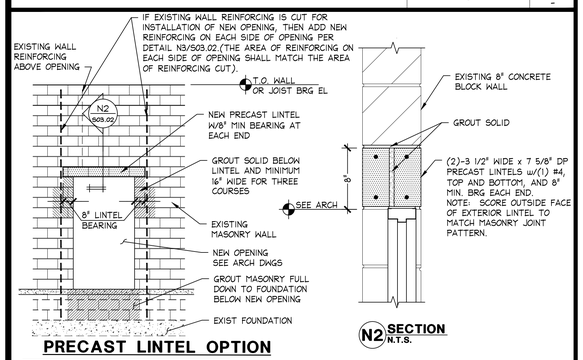


CONTRACTOR TO NOTIFY SEOR IF EXISTING SLAB IS DETERMINED NOT TO BE SLAB ON GRADE.

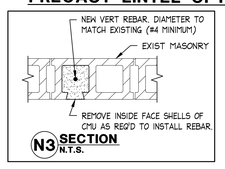
NEW TRENCH IN EXISTING CONCRETE SLAB | 1"=1'-0" | - | **M**

NOT USED | N.T.S. | - | **D**

NOT USED | N.T.S. | - | **R**

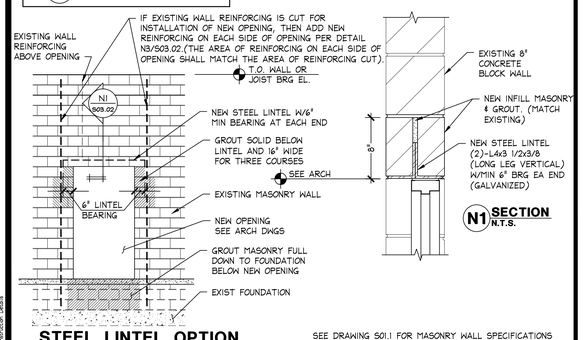


PRECAST LINTEL OPTION



LOCATION OF VERTICAL CONTROL JOINTS IS UNKNOWN. BEFORE CUTTING NEW OPENING, AND FABRICATION OR INSTALLATION OF NEW MATERIALS, THE CONTRACTOR SHALL LOCATE EXISTING VERTICAL CONTROL JOINTS. IF A CONTROL JOINT IS LOCATED ABOVE NEW OPENING, OR WITHIN 8 FEET OF THE EDGE OF THE NEW OPENING, THEN THE CONTRACTOR SHALL CONTACT THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH THE WORK.

NOTE: BEFORE INSTALLING LINTEL, CONTRACTOR SHALL VERIFY WITH MALL MANAGEMENT THE TYPE OF LINTEL ALLOWED.



STEEL LINTEL OPTION

SEE DRAWING S01.1 FOR MASONRY WALL SPECIFICATIONS

LINTEL DETAILS | N.T.S. 00E-S061-J00-LINT | **N**

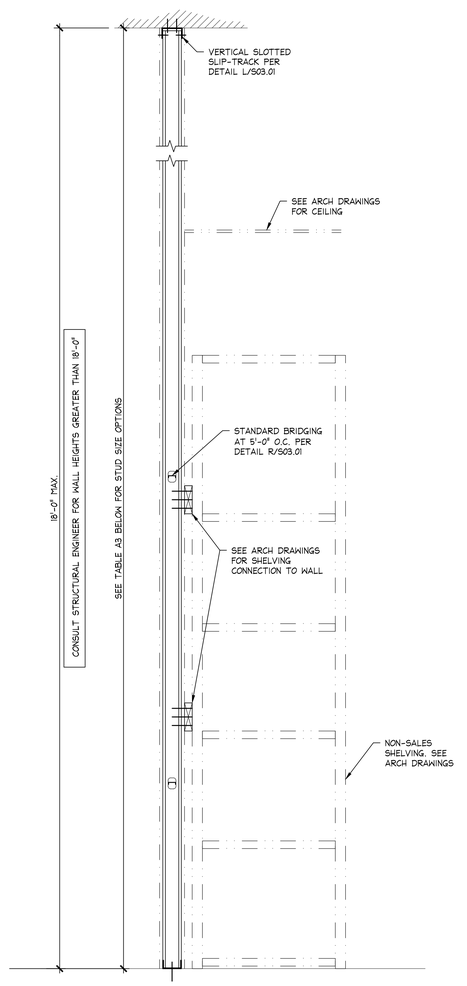


TABLE A3
STUD SIZE MATRIX FOR PARTITIONS THAT LATERALLY SUPPORT FLOOR MOUNTED STOCKROOM SHELVING

SEISMIC DESIGN CATEGORIES D, E & F

STUD DESIGNATION	STUD DEPTH	FLANGE WIDTH	STUD GAUGE	STUD SPACING	MAXIMUM WALL HEIGHT
3625I62-33	3 5/8"	1 5/8"	20	8"	14'-0"
3625I62-43	3 5/8"	1 5/8"	18	12"	14'-0"
3625I62-54	3 5/8"	1 5/8"	16	12"	16'-0"
3625I62-54	3 5/8"	1 5/8"	16	16"	13'-0"
6005I62-43	6"	1 5/8"	18	16"	18'-0"

NOTES:
REFER TO NOTES ON N/S01.01

FULL HEIGHT STUD WITHOUT DIAGONAL BRACING

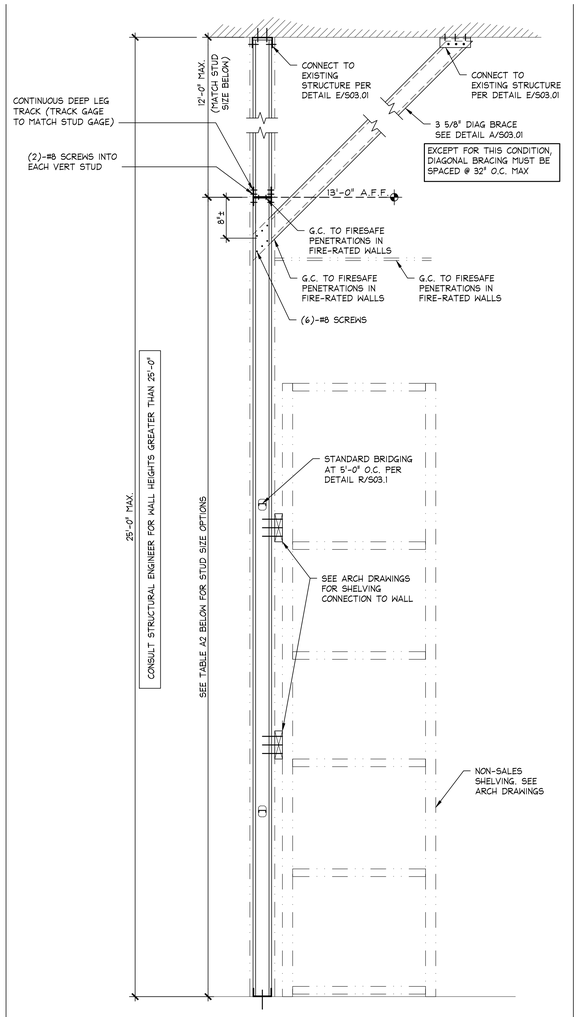


TABLE A2
STUD SIZE MATRIX FOR PARTITIONS THAT LATERALLY SUPPORT FLOOR MOUNTED STOCKROOM SHELVING

SEISMIC DESIGN CATEGORIES D, E & F

STUD DESIGNATION	STUD DEPTH	FLANGE WIDTH	STUD GAUGE	STUD SPACING	MAXIMUM WALL HEIGHT TO DOUBLE TRACK
3625I62-33	3 5/8"	1 5/8"	20	12"	13'-0"
3625I62-43	3 5/8"	1 5/8"	18	16"	13'-0"

NOTES:
REFER TO NOTES ON N/S01.01

FULL HEIGHT STUD WITH DIAGONAL BRACING

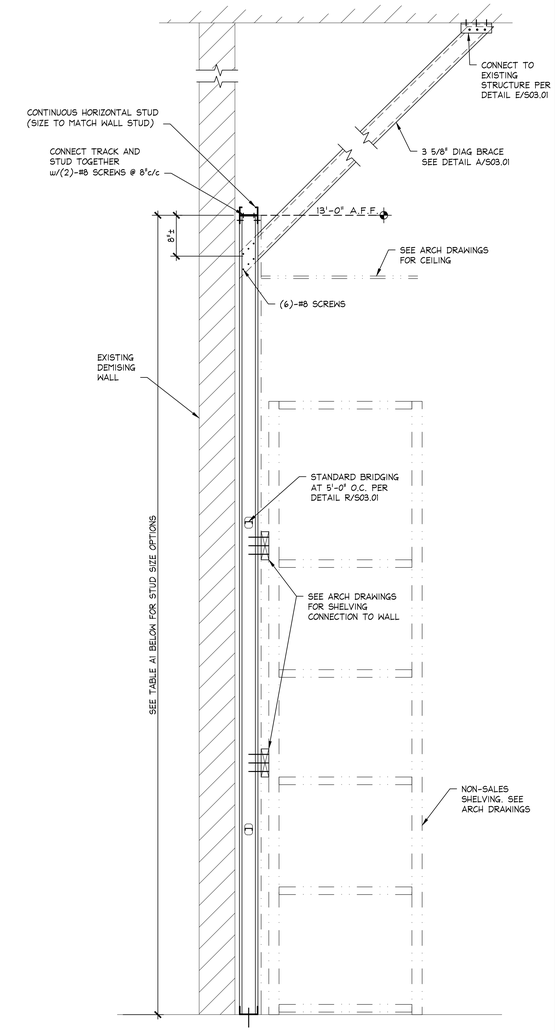


TABLE A1
STUD SIZE MATRIX FOR PARTITIONS THAT LATERALLY SUPPORT FLOOR MOUNTED STOCKROOM SHELVING

SEISMIC DESIGN CATEGORIES D, E & F

STUD DESIGNATION	STUD DEPTH	FLANGE WIDTH	STUD GAUGE	STUD SPACING	MAXIMUM WALL HEIGHT
3625I62-33	3 5/8"	1 5/8"	20	16"	13'-0"

NOTES:
REFER TO NOTES ON N/S01.01

PARTIAL HEIGHT STUD WITH DIAGONAL BRACING

WALL SECTIONS - NON-SALES SHELVING
STRUCTURAL STUDS SDC D, E & F

PRCTI20221802

05D-S032-A02-BRAC | **A** 10.22.2015

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082

SJS PKG 2
2315a.00
20221012.0

PACKAGE:
GENERATION:
A/E PROJECT #:

REVISIONS:

	REQUIRED BY:	DATE:
1	REVI - PDR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: AD
DRAWN BY: AD
CHECKED BY: MH

STRUCTURAL CONSTRUCTION DETAILS

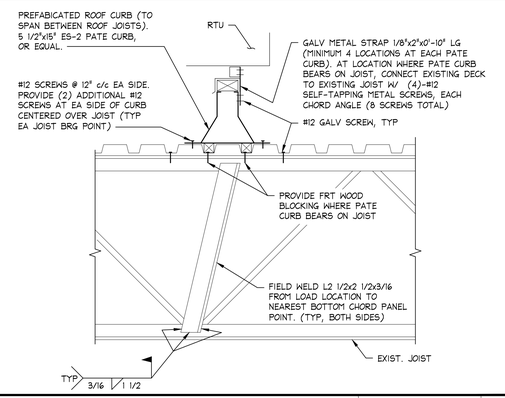
DRAWING NUMBER:
S03.02

A2021 Structural Construction Details

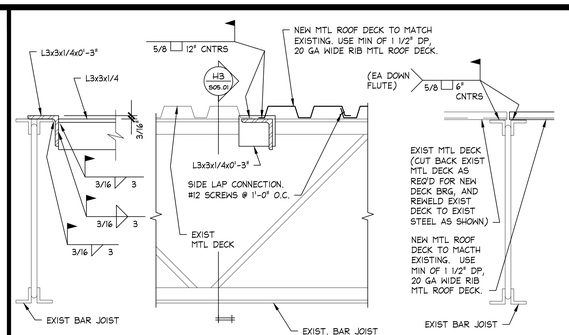
ROOF FRAMING NOTES:

1. CONTROLLING BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE
   ROOF DESIGN LIVE LOAD = 25 PSF
   ROOF DEAD LOAD (ASSUMED) = 12 PSF
   GROUND SNOW LOAD = 20 PSF
   DESIGN WIND SPEED = 97 MPH
2. EXISTING ROOF CONSTRUCTION: METAL DECK, SUPPORTED BY STEEL JOISTS, WIDE FLANGE BEAMS, AND CMU BEARING WALLS
3. ⊠ INDICATES ROOF OPENING. DETERMINE EXACT SIZE AND LOCATION FROM MECHANICAL DRAWINGS
4. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
5. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION. MECH. UNIT DIMENSIONS SHALL BE COORDINATED WITH APPROVED MECH. UNIT MANUFACTURER DRAWINGS.
6. SUPPORT FRAMING SHOWN IS FOR THE MECH. UNIT SPECIFIED ON MECHANICAL DRAWINGS. IF DIFFERENT UNIT IS TO BE USED, CONTACT STRUCTURAL ENGINEER BEFORE PROCEEDING.
7. ALL STEEL SHALL BE ASTM A36 U.N.O.
8. STRUCTURAL STEEL SHALL CONFORM TO THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL OF BUILDINGS". (CURRENT EDITION)
9. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH "AMERICAN WELDING SOCIETY" SPECIFICATIONS (CURRENT EDITION).
10. WELDING ELECTRODES SHALL BE E70XX, LOW HYDROGEN.
11. IF EXISTING STRUCTURE IS DIFFERENT THAN SHOWN, CONTACT STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK IN THAT AREA.

STRUCTURAL NOTES | N.T.S. | 001-S051-S00-NOTE | S | 08.15.11



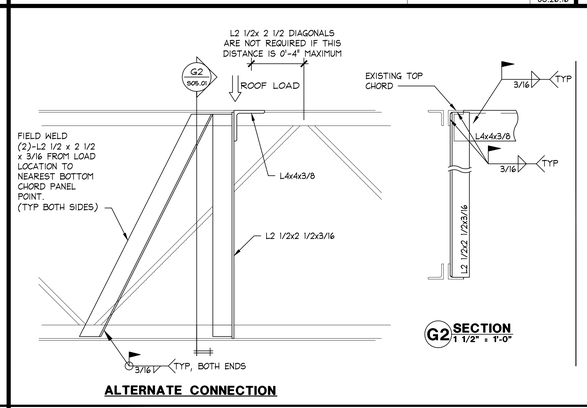
PATE CURB SUPPORT | 1 1/2" = 1'-0" | 008-S051-M00-RTU | M | 08.26.16



ROOF INFILL DETAILS | 1 1/2" = 1'-0" | 008-S051-H00-RTU | H | 08.26.16

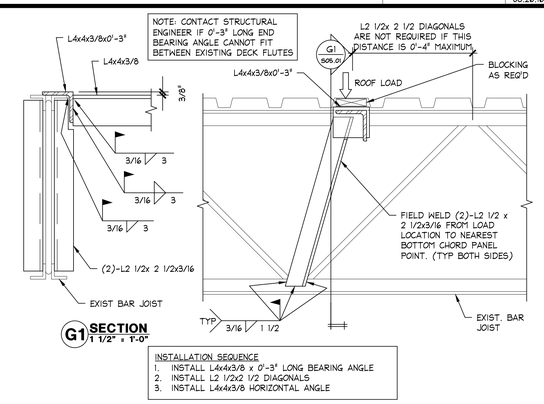
NOT USED | - | - | D | -

NOT USED | - | - | R | -



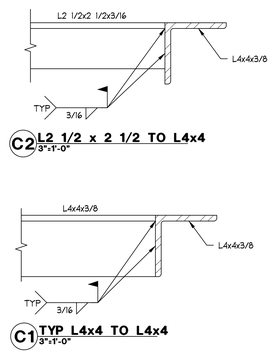
ALTERNATE CONNECTION

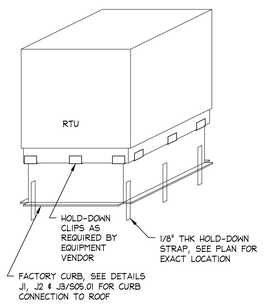
CONNECTION OF MECH UNIT SUPPORT L4x4 TO EXISTING BAR JOIST | 1 1/2" = 1'-0" | 00D-S051-G00-RTU | G | 08.26.16



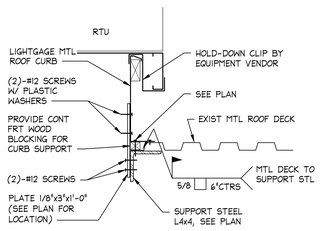
INSTALLATION SEQUENCE
1. INSTALL L4x4x3/8 x 0'-3" LONG BEARING ANGLE
2. INSTALL L2 1/2x2 1/2 DIAGONALS
3. INSTALL L4x4x3/8 HORIZONTAL ANGLE

MECH SUPPORT FRAME CONNECTION DETAILS | 3" = 1'-0" | 00D-S051-C00-RTU | C | 10.15.12



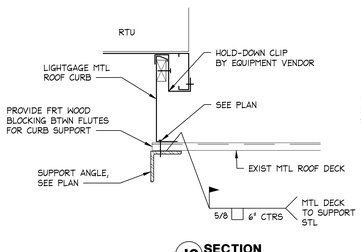


RETENTION STRAPS ROOFTOP HVAC UNITS



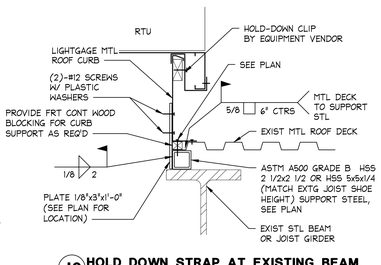
J1 HOLD DOWN STRAP AT NEW ANGLE N.T.S.

CLEAN AND PREPARE WELDS, AND PAINT WITH ZRC COLD GALVANIZING COMPOUND PER MANUFACTURER'S RECOMMENDATIONS.



J2 SECTION N.T.S.

CLEAN AND PREPARE WELDS, AND PAINT WITH ZRC COLD GALVANIZING COMPOUND PER MANUFACTURER'S RECOMMENDATIONS.



J3 HOLD DOWN STRAP AT EXISTING BEAM N.T.S.

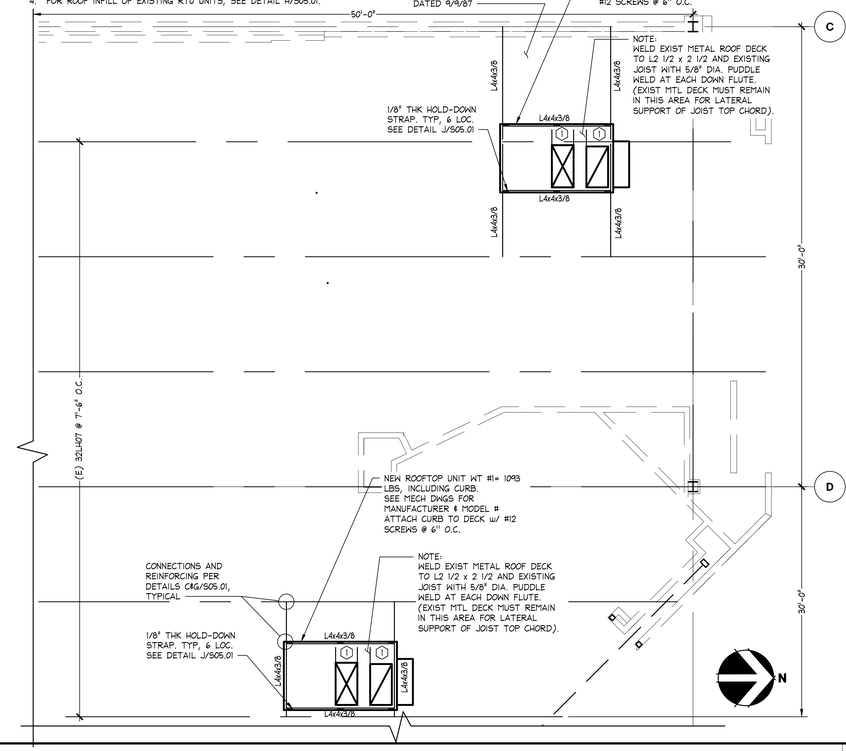
CLEAN AND PREPARE WELDS, AND PAINT WITH ZRC COLD GALVANIZING COMPOUND PER MANUFACTURER'S RECOMMENDATIONS.

TYPICAL HIGH SEISMIC/ HIGH WIND HOLD-DOWN DETAILS | N.T.S. | 00D-S051-J00-RTU | J | 08.15.11

PLAN NOTES:
1. ANY SHIFTING OF RTU UNIT LOCATION MUST BE APPROVED BY EOR.
2. COORDINATE THE SIZE, LOCATION, AND WEIGHT OF ALL MECHANICAL UNITS WITH THE MECHANICAL CONTRACTOR. PROVIDE A ROOF FRAME AT UNIT PER PLAN. PROVIDE RTU CURB TO MATCH SLOPE OF ROOF STRUCTURE (FIELD VERIFY ROOF SLOPE). TOP SURFACE SHALL BE LEVEL FOR MOUNTING EQUIPMENT TO ENSURE PROPER DRAINAGE OF EQUIPMENT.
3. DETERMINE EXACT SIZE AND LOCATION OF ROOF OPENINGS FROM ARCH AND MECHANICAL DRAWINGS.
4. FOR ROOF INFILL OF EXISTING RTU UNITS, SEE DETAIL H/S05.01.

CODED NOTES:
1. L2 1/2x2 1/2x3/16

ROOF FRAMING INFORMATION FROM THE CALLISON PARTNERSHIP DRAWINGS DATED 9/9/87



City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

PARTIAL ROOF FRAMING PLAN | 1/4" = 1'-0" | -- | A | 10.15.12

PRCTI20221802

GF
www.greenbergfarrow.com
21 South Evergreen Ave.
Suite 200
Arlington Heights, IL 60005
Proj: 20221012

expires 6/18/24
date 12/23/22

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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104.01.0737.01

PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082

SIS PKG 2
231Sa.00
20221012.0

PACKAGE:
GENERATION:
A/E PROJECT #:

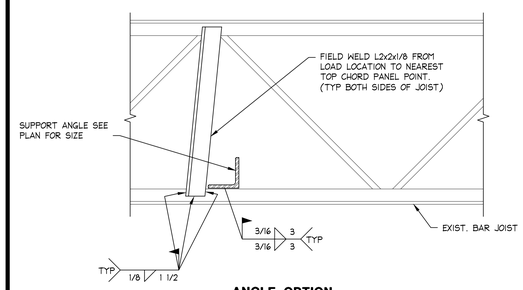
REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - POR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: AD
DRAWN BY: AD
CHECKED BY: MH

MECH SUPPORT FRAMING PLAN AND DETAILS

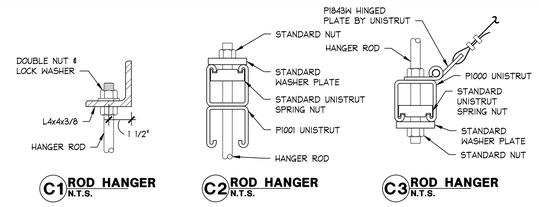
DRAWING NUMBER:
S05.01



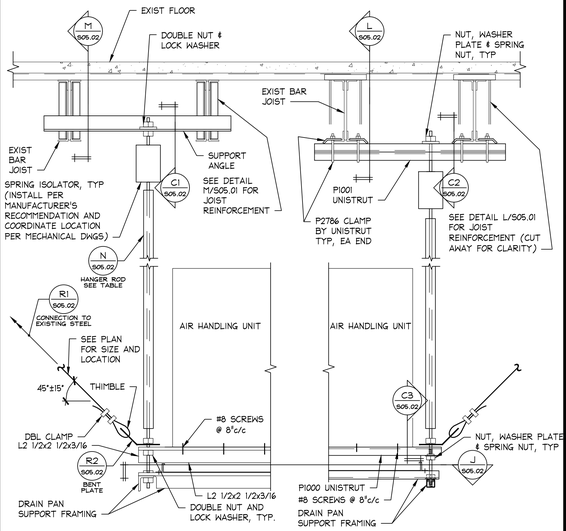
ANGLE OPTION

JOIST REINFORCING

1" = 1'-0" | 00D-S051-M01-RTU | M 08.15.11



C1 ROD HANGER N.T.S. | C2 ROD HANGER N.T.S. | C3 ROD HANGER N.T.S.

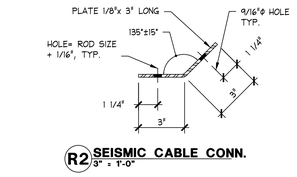


ANGLE SUPPORT OPTION | UNISTRUT SUPPORT OPTION

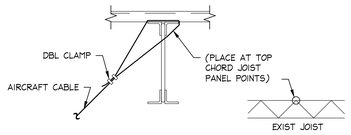
ALL UNISTRUT MATERIALS AND CONNECTIONS SHALL BE INSTALLED WITH STRICT CONFORMANCE TO MANUFACTURER'S RECOMMENDATIONS

HANGING UNIT w/SEISMIC BRACING

1" = 1'-0" | 00D-S051-C01-RTU | G 05.18.18



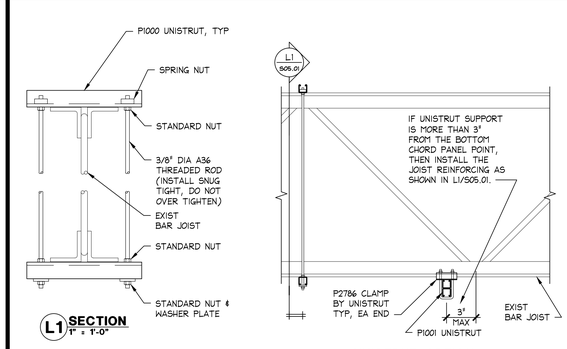
R2 SEISMIC CABLE CONN. 3" = 1'-0"



R1 SEISMIC CABLE CONN. 3" = 1'-0"

SEISMIC CABLE DETAILS

3" = 1'-0" | 00D-S051-R01-RTU | R 08.15.11

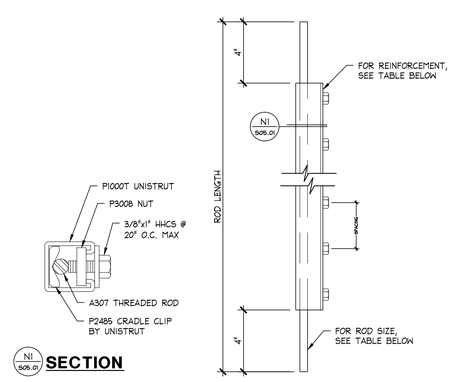


L1 SECTION 1" = 1'-0"

UNISTRUT OPTION

JOIST REINFORCING

1" = 1'-0" | 00D-S051-L01-RTU | L 03.31.17



N1 505.01 SECTION

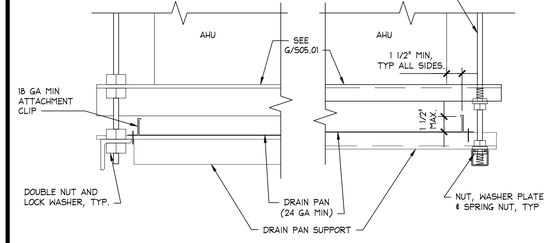
UNIT WEIGHT, LBS.	VERTICAL HANGER ROD	
	ROD SIZE, IN [1]	ROD REINFORCMENT
=<500	3/8"	UNISTRUT P1000T STIFFENER w/P2485 CRADLE CLIP @ 10"c/c (MAX UNBRACED LENGTH = 10'-0")
500#WT.=<1000	1/2"	UNISTRUT P1000T STIFFENER w/P2485 CRADLE CLIP @ 14"c/c (MAX UNBRACED LENGTH = 10'-0")
1000#WT.=<1500	5/8"	UNISTRUT P1000T STIFFENER w/P2485 CRADLE CLIP @ 18"c/c (MAX UNBRACED LENGTH = 9'-0")
1500#WT.=<2000	3/4"	UNISTRUT P1000T STIFFENER w/P2485 CRADLE CLIP @ 20"c/c (MAX UNBRACED LENGTH = 7'-0")

NOTES:
1. ROD SHALL MEET THE MIN. SPECIFICATION OF ASTM A575 AND A576 THREADED ROD.

ALL UNISTRUT MATERIALS AND CONNECTIONS SHALL BE INSTALLED WITH STRICT CONFORMANCE TO MANUFACTURER'S RECOMMENDATIONS

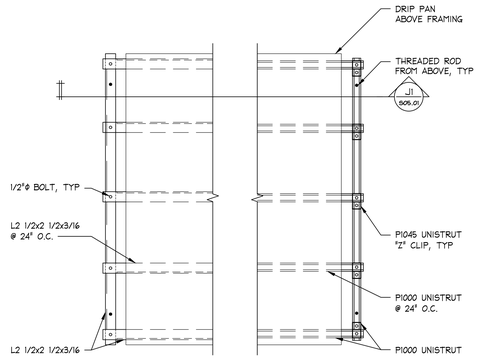
SEISMIC HANGER ROD

6" = 1'-0" | 00D-S051-N00-RTU | N 12.22.17



ANGLE SUPPORT OPTION | UNISTRUT SUPPORT OPTION

J1 SECTION N.T.S.

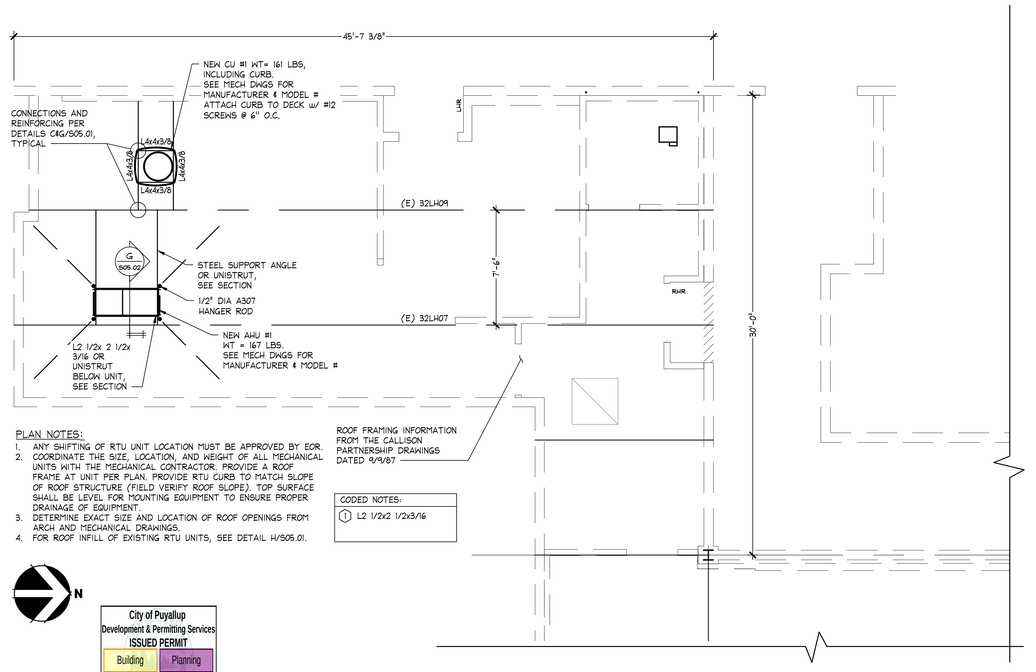


ANGLE SUPPORT OPTION | UNISTRUT SUPPORT OPTION

J PLAN 1"=1'-0"

DRAIN PAN SUPPORT

1" = 1'-0" | -- | J 05.18.18



PLAN NOTES:
1. ANY SHIFTING OF RTU UNIT LOCATION MUST BE APPROVED BY EOR.
2. COORDINATE THE SIZE, LOCATION, AND HEIGHT OF ALL MECHANICAL UNITS WITH THE MECHANICAL CONTRACTOR. PROVIDE A ROOF FRAME AT UNIT PER PLAN. PROVIDE RTU CURB TO MATCH SLOPE OF ROOF STRUCTURE (FIELD VERIFY ROOF SLOPE). TOP SURFACE SHALL BE LEVEL FOR MOUNTING EQUIPMENT TO ENSURE PROPER DRAINAGE OF EQUIPMENT.
3. DETERMINE EXACT SIZE AND LOCATION OF ROOF OPENINGS FROM ARCH and MECHANICAL DRAWINGS.
4. FOR ROOF INFILL OF EXISTING RTU UNITS, SEE DETAIL H/S05.01.

ROOF FRAMING INFORMATION FROM THE CALLISON PARTNERSHIP DRAWINGS DATED 9/9/87

CODED NOTES:
1 L2 1/2x2 1/2x3/16

N

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

PRCTI20221802

PARTIAL ROOF FRAMING PLAN

1/4" = 1'-0" | -- | A 10.15.12

www.greenbergfarrow.com
21 South Evergreen Ave.
Suite 200
Arlington Heights, IL 60005
Proj: 2021012

STATE OF WASHINGTON — MICHAEL E. HARRIS — REGISTERED ARCHITECT
expires 6/18/24
date 12/23/22

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUTALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082

SIS PKG 2
PACKAGE: 231So.00
GENERATION: 20221012.0
A/E PROJECT #:

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - POR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: AD
DRAWN BY: AD
CHECKED BY: MH

MECH SUPPORT FRAMING PLAN AND DETAILS

DRAWING NUMBER:
S05.02

ELECTRICAL SYMBOLS LEGEND

NTS | 00N-E0101-N00-LGND | N | 01/05/20

SYMBOL	ITEM	DESCRIPTION
	RECESSED DOWNLIGHT	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	RECESSED DIRECTIONAL	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	TRACK LIGHT	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	FLUORESCENT STRIP	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	EMERGENCY FLUORESCENT STRIP	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	FLUORESCENT TROFFER	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	SCONCE	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	DECORATIVE PENDANTS	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	DECORATIVE LAMP	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	EXIT SIGN W/ DIRECTIONAL ARROWS	ARROWS OPTIONAL PER PLAN. REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION. IN CANADA, EXIT SIGNS ARE SUPPLIED & INSTALLED BY CONTRACTOR.
	EMERGENCY LIGHT, SURFACE	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	EMERGENCY LIGHT, RECESSED	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
$	SWITCH	
$MS	SWITCH – MOTION SENSOR	HUBBELL AP2000W22 PASSIVE INFRARED, DOUBLE POLE, SINGLE THROW WALL SWITCH SENSOR WITH TWO SEPARATE RELAYS. WHITE COLOR FINISH.
$D	SWITCH – DIMMER	HUBBELL S61W, SINGLE POLE, SINGLE THROW WALL DIMMER SWITCH. WHITE COLOR FINISH.
$K	KEY – SWITCH	HUBBELL HBL1223KNL SINGLE POLE, THREE-WAY BARREL KEY WALL SWITCH FOR STOREFRONT ROLLING GRILLE. WHITE COLOR FINISH.
$RD	SWITCH – DIMMER	ROOM CONTROLLER DIMMER SWITCH. REFER FOR SHEET E05.02 FOR MORE INFORMATION.
	CEILING EXHAUST FAN	REFER TO MECHANICAL SCHEDULE FOR INFORMATION.
TC	TRAFFIC COUNTER	REFER TO ARCHITECTURAL DRAWINGS FOR COLOR INFORMATION
WAP	WIRELESS ACCESS POINT	
	SPEAKER/SUBWOOFER	REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
SC SD	CAMERA/SECURITY DOME	REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
IP, FIX IP PTZ	IP CAMERA	REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
VCS VCC VCI	LVAN	REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
	SINGLE RECEPT. W/ COVERPLATE	20 AMP, 120 VOLT
	DUPLEX RECEPT. W/ COVERPLATE	20 AMP, 120 VOLT, SHALL BE WHITE UNLESS NOTED OTHERWISE
	QUAD. RECEPT. W/ COVERPLATE	20 AMP, 120 VOLT
	FLUSH QUAD FLOOR RECEPT.	20 AMP, 120 VOLT FLOOR BOX
	FLUSH DUPLEX FLOOR RECEPT.	20 AMP, 120 VOLT FLOOR BOX
	FLUSH DUPLEX/DATA FLOOR RECEPT.	20 AMP, 120 VOLT FLOOR BOX
T	TELEPHONE OUTLET	WHITE COLOR RJ14C TELE. JACK IN SALES AND NON-SALES AREA.
	DATA/TELEPHONE OUTLET	WHITE COLOR PLATE IN SALES AND IN NON-SALES AREA.
	JUNCTION BOX	JUNCTION BOX, 4" X 4" X 2 1/8" DEEP MINIMUM
	MAGNETIC STARTER	FULL VOLTAGE STARTER IN A NEMA 1 ENCLOSURE, SIZE 1 MINIMUM
	DISCONNECT SWITCH	HEAVY DUTY, FUSIBLE AND NON-FUSIBLE PROVIDED BY EC
	DISCONNECT SWITCH	HEAVY DUTY, FUSIBLE AND NON-FUSIBLE PREINSTALLED WITH EQUIPMENT
	DELIVERY BUZZER TRANSFORMER	TRANSFORMER AT 8'–0" AFF
	DELIVERY BUZZER	REFER TO POWER PLAN FOR MOUNTING INFORMATION
	PUSHBUTTON	PUSHBUTTON UNIT
S	CEILING SMOKE DETECTOR	SYSTEM CONNECTED CEILING MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR
S	DUCT SMOKE DETECTOR	SYSTEM CONNECTED DUCT MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR COMPLETE WITH SAMPLING TUBES
DC	DOOR CONTACT	FOR SECURITY / CAMERA SYSTEM
MD	MOTION DETECTOR	CEILING MOUNTED
MD	MOTION DETECTOR	WALL MOUNTED
K	KEYPAD	KEYPAD SEE FLOOR PLAN FOR LOCATION
OS	CEILING MOUNTED OCC. SENSOR	LEVITON POWER BASE ADAPTER MODEL OPB15 AND OCCUPANCY SENSOR MODEL OSC–10 MOW. MOUNT SENSOR LEVELED WITH LIGHTS.
OS	CEILING MOUNTED OCC. SENSOR	ROOM CONTROLLER OCCUPANCY SENSOR. REFER FOR SHEET E05.02 FOR MORE INFORMATION.
PP OS OS	CEILING MOUNTED POWER PACK AND OCCUPANCY SENSOR(S)	POWER PACK, LEVITON MODEL OPP20D1 OCCUPANCY SENSOR LEVITON MODEL OSC–10–MOW
PS	DAYLIGHT PHOTO SENSOR	
T/H CO2	COMBINED TEMPERATURE/HUMIDITY AND CARBON MONOXIDE SENSORS	SINGLE GANG BOX (2"x4") FOR SENSOR/THERMOSTAT/HUMIDISTAT/CARBON MONOXIDE WITH FACE FLUSH TO DRYWALL.
S	HVAC MONITORING SENSOR	BULLET TYPE SENSOR DOES NOT REQUIRE JUNCTION BOX, ONLY 1/2" CONDUIT IN WALL TO ABOVE CEILING.
120VAC	ELECTRONICALLY OPERATED DAMPER W/ TOGGLE DISCONNECT	REFER TO MECHANICAL DRAWINGS FOR SPECIFICATIONS.
FACP	FIRE ALARM CONTROL PANEL	INCLUDES BATTERY BACK–UP FURNISHED AND INSTALLED BY FIRE ALARM CONTRACTOR. COORDINATE WITH LANDLORD ALL FINAL SEQUENCES OF OPERATION.
FSA	FIRE ALARM REMOTE ANNUNCIATOR	
F	FIRE ALARM MANUAL PULL STATION	MOUNT CENTER OF DEVICE AT 48" AFF
F	FIRE ALARM HORN/STROBE	DEVICE SHALL BE WALL MOUNTED. MOUNT CENTER OF LENS AT 80" AFF. CANDELA RATING BY FIRE ALARM CONTRACTOR.
S	FIRE ALARM STROBE	DEVICE SHALL BE WALL MOUNTED. MOUNT CENTER OF LENS AT 80" AFF. CANDELA RATING BY FIRE ALARM CONTRACTOR.
HW	FIRE ALARM HORN/STROBE	DEVICE SHALL BE CEILING MOUNTED. CANDELA RATING BY FIRE ALARM CONTRACTOR.
	FIRE ALARM STROBE	DEVICE SHALL BE CEILING MOUNTED. CANDELA RATING BY FIRE ALARM CONTRACTOR.
	FIRE ALARM BELL	DEVICE SHALL BE MOUNTED ABOVE THE CEILING. RATING BY FIRE ALARM CONTRACTOR.
	HEAT DETECTOR	
ELR	END OF LINE RESISTOR	
RELAY	FAN SHUT DOWN RELAY	
FS	FIRE ALARM WATER FLOW SWITCH	
VA	EVACUATION SPEAKER	WHITE FOR LIGHT COLOR CEILINGS. BLACK FOR DARK COLOR CEILINGS.
RMC	ROOM CONTROLLER	ROOM CONTROLLER DIMMING SYSTEM. SEE SHEET E03.01 FOR MORE INFORMATION.

ELECTRICAL RESPONSIBILITY SCHEDULE

NTS | 00N-E0101-J00-SCHD | J | 04/10/20

ELECTRICAL SERVICE / DISTRIBUTION

ITEM	FURNISHED BY: LANDLORD	FURNISHED BY: CONT'R.	FURNISHED BY: BBWI VENDOR	INSTALLED OR PERFORMED BY: LANDLORD	INSTALLED OR PERFORMED BY: CONT'R.	INSTALLED OR PERFORMED BY: OTHER	RE–USE EXISTING	N/A	REMARKS
MAIN OVER CURRENT DEVICE IN LANDLORD'S ELECTRICAL EQUIPMENT							●		FIELD VERIFY PRIOR TO BID
METER IN LANDLORD'S OR TENANT'S SPACE (VERIFY W/ POWER PLANS, RISER)							●		FIELD VERIFY PRIOR TO BID
C/T'S AND CABINET IN LANDLORD'S OR TENANT'S SPACE (VERIFY W/ POWER PLANS, RISER)							●		FIELD VERIFY PRIOR TO BID
SERVICE ENTRANCE CONDUIT(S) TO LEASE SPACE							●		FIELD VERIFY PRIOR TO BID
SERVICE ENTRANCE FEEDER(S) TO LEASE SPACE							●		FIELD VERIFY PRIOR TO BID
I.F.S. ENCLOSURE (SWITCHGEAR ASSEMBLY)			IF		EC				
277/480 VOLT PANEL OR 347/600 VOLT PANEL			IF			IF			INSTALLED IN FACTORY
STEP DOWN LINE TRANSFORMER & MOUNTING ACCESSORIES			IF			IF			INSTALLED IN FACTORY
120/208 VOLT PANEL(S)			IF			IF			INSTALLED IN FACTORY
SMART BREAKER SYSTEM FOR LIGHTING CONTROL			IF			IF			INSTALLED IN FACTORY
LIGHTING CONTROLLER WITH POWER SUPPLY AND OVERRIDE STATION			EMS			IF			INSTALLED IN FACTORY
BREAKER LOCKS			IF		EC				AS REQUIRED BY ENGINEER

MECHANICAL / PLUMBING EQUIPMENT COORDINATION

ITEM	FURNISHED BY: LANDLORD	FURNISHED BY: CONT'R.	FURNISHED BY: BBWI VENDOR	INSTALLED OR PERFORMED BY: LANDLORD	INSTALLED OR PERFORMED BY: CONT'R.	INSTALLED OR PERFORMED BY: OTHER	RE–USE EXISTING	N/A	REMARKS
POWER WIRING AND CONDUIT / PULL STRING TO ALL HVAC EQUIPMENT		EC			EC				
ROOF TOP UNIT – DISCONNECT SWITCH			ACS			ACS			
ROOF TOP UNIT – WEATHERPROOF GFI SERVICE REC.			ACS			ACS			WIRED BY EC
AIR HANDLING UNIT (CW AND/OR HW, CW WITH ELECTRIC HEAT)–DISCONNECT SWITCH/FAN CONTACTS			ACS			ACS			
AIR HANDLING UNIT (DX SPLIT) – DISCONNECT SWITCH / FAN CONTACTS			ACS			ACS			
CONDENSING UNIT (DX SPLIT) – DISCONNECT SWITCH		EC			EC				
CONDENSING UNIT (DX SPLIT) – WEATHERPROOF GFI SERVICE REC.		EC			EC				
FAN POWERED VAV / VAV SYSTEM (WITH OR WITHOUT ELECTRIC HEAT) – DISCONNECT SWITCH							●		
WATER SOURCE HEAT PUMP – DISCONNECT SWITCH							●		
TOILET EXHAUST FANS (FRACTIONAL HP) WITH DISCONNECT SWITCH		MC			MC				WIRED BY EC
ELECTRONIC CONTROL DAMPERS – DISCONNECT SWITCH		EC			EC				
DUCT HEATERS							●		
HVAC SENSOR JUNCTION BOX AND CONDUIT WITH PULL STRING							●		WIRED BY MC
DEMONSTRATION SINK SOLENOID VALVE		BBWI			PC				CONTROL TRANSFORMER PROVIDED AND WIRED BY EC

LOW VOLTAGE SYSTEMS

ITEM	FURNISHED BY: LANDLORD	FURNISHED BY: CONT'R.	FURNISHED BY: BBWI VENDOR	INSTALLED OR PERFORMED BY: LANDLORD	INSTALLED OR PERFORMED BY: CONT'R.	INSTALLED OR PERFORMED BY: OTHER	RE–USE EXISTING	N/A	REMARKS
BURGLAR / SECURITY SYSTEM – HARDWARE			SSV		SC				
BURGLAR / SECURITY SYSTEM – WIRE			SSV		EC				
BURGLAR / SECURITY SYSTEM – CONDUIT / PULL STRING		EC			EC				IF REQUIRED BY AHJ
WAP – HARDWARE			TELC		TELC				
WAP – WIRE			TELC		TELC				
WAP – CONDUIT / PULL STRING		EC			EC				
LVAN / TRAFFIC & OBSERVATIONS SYSTEM – HARDWARE			TELC		TELC				
LVAN / TRAFFIC & OBSERVATIONS SYSTEM – WIRE			TELC		TELC				
LVAN / TRAFFIC & OBSERVATIONS SYSTEM – CONDUIT / PULL STRING		EC			EC				IF REQUIRED BY AHJ
MUSIC SYSTEM – HARDWARE (SPEAKERS/CONTROLLERS)			MS		EC				
MUSIC SYSTEM – WIRE			MS		EC				
MUSIC SYSTEM – CONDUIT / PULL STRING		EC			EC				IF REQUIRED BY AHJ
DELIVERY BUZZER SYSTEM – HARDWARE		EC			EC				
DELIVERY BUZZER SYSTEM – WIRE		EC			EC				
DELIVERY BUZZER SYSTEM – CONDUIT / PULL STRING		EC			EC				IF REQUIRED BY AHJ
TRAFFIC COUNTER – CONDUIT / PULL STRING		EC			EC				
TRAFFIC COUNTER – COUNTER / WIRE		BBWI			BBWI				

MISCELLANEOUS ELECTRICAL ITEMS

ITEM	FURNISHED BY: LANDLORD	FURNISHED BY: CONT'R.	FURNISHED BY: BBWI VENDOR	INSTALLED OR PERFORMED BY: LANDLORD	INSTALLED OR PERFORMED BY: CONT'R.	INSTALLED OR PERFORMED BY: OTHER	RE–USE EXISTING	N/A	REMARKS
LIGHTING FIXTURES AND LAMPS			LD		EC				
RECEPTACLES, COVERPLATES AND MOTION SENSOR LIGHT SWITCHES		EC			EC				
FLOOR BOXES, COVERS AND FLOOR BOXES WITH DATA		EC			EC				UNLESS OTHERWISE NOTED ON PLANS
JUNCTION BOXES		EC			EC				
DATA AND TELEPHONE SYSTEMS – CABLE AND JACKS		TELC			TELC				
DATA AND TELEPHONE SYSTEMS – CONDUITS / PULL STRING		EC			EC				
TELEPHONE DYNAMIC PANEL – PROTECTION OF DURING CONSTRUCTION / RELOCATION / DEMOLITION		GC			GC				CALL BBWI TO RELOCATE. DO NOT CUT WIRES.
DUCT SMOKE DETECTOR		FAC			MC				
MECHANICAL EQUIPMENT SHUT–DOWN RELAY		FAC			FAC				
FIRE ALARM SYSTEM		FAC			FAC				PROVIDE MUSIC SYSTEM RELAY AND COORDINATE W/ MUSIC VENDOR.
CASHWRAP – POWER WIRING AND CONDUIT / PULL STRING		EC			EC				
ROOM CONTROLLER DEVICES AND WIRING			IF		EC				
NETWORK CABINET		BBWI			GC				
AS–BUILT DRAWINGS		EC			EC				

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ANY ITEM NOT SHOWN IS THE RESPONSIBILITY OF CONTRACTOR.

FIRE PENETRATION SCHEDULE

NTS | 00N-E0101-H00-SCHD | H | 08/13/15

TYPE OF PENETRATION	CONCRETE OR MASONRY: FLOORS UL/ULC SYSTEM #	CONCRETE OR MASONRY: WALLS UL/ULC SYSTEM #	GYPSUM BOARD/FRAME: FLOORS UL/ULC SYSTEM #	GYPSUM BOARD/FRAME: WALLS UL/ULC SYSTEM #	"SPECSEAL FIRESTOP" PRODUCTS
METAL CONDUITS MAX. 4"	CAJ1080	CAJ1080	FC1010	WL1049	SSS100 SEALANT
	CAJ1213	WJ1030		WL1088	LC150 SEALANT
	CAJ1198	CAJ1198		WL1062	PEN300 SILICONE
PVC CONDUIT 2" AND SMALLER	CAJ2031	WJ2018	FC2032	WL2093	SSS100 SEALANT
PVC CONDUITS 2" THRU 4"	CAJ2038	CAJ2038		WL2029	FIRESTOP COLLAR
	CAJ2045	CAJ2045			FIRESTOP COLLAR
	CAJ2124	CAJ2124	FC2033	WL2059	WRAP STRIPS
CABLE TRAY STEEL OR ALUMINUM	CAJ4029	WJ4021		WL4008	FIRESTOP PILLOWS
	CAJ4020	CAJ4020			FIRESTOP MORTAR
		WJ4009		WL4005	SSS100 SEALANT
ELECTRICAL BUS DUCT	CAJ6003	CAJ6003			PEN300 SILICONE
	CAJ6008	CAJ6008		WL6001	SSS100 SEALANT
CABLE BUNDLES MAX. 3"	CAJ3154	WJ3022		WL3076	SSS100 SEALANT

NOTES:

1. ALL U.L./ULC LISTED SYSTEMS SHOWN ABOVE ARE BASED ON PROVIDING A 1 & 2 HOUR RATED FIRESTOP. WHERE 3 HOUR RATING IS REQUIRED, CONTACT FIRESTOP PRODUCT MANUFACTURER FOR DESIGN MODIFICATIONS.
2. ALL U.L./ULC LISTED SYSTEMS SHOWN ABOVE ARE BASED ON "SpecSeal Firestop" PRODUCTS FROM SPECIFIED TECHNOLOGIES, INC. OR APPROVED EQUAL PRODUCTS FROM "3–M" OR HILTI, INC.

ELECTRICAL ABBREVIATIONS

NTS | 00D-E0101-F00-ABBR | G | 08/31/17

A/C	AIR CONDITIONER	FAC	FIRE ALARM CONTRACTOR	NL	NIGHT LIGHT DESIGNATION
AC	ALTERNATING CURRENT	FIXT	FIXTURE	N.O.	NORMALLY OPEN
ACS	HVAC EQUIPMENT SUPPLIER	FLA	FULL LOAD AMPS		
AFF	ABOVE FINISHED FLOOR	G	GROUND	OC	ON CENTER
AHU	AIR HANDLING UNIT	GC	GENERAL CONTRACTOR	OL	OVER LOAD
AHJ	AUTHORITY HAVING JURISDICTION	GFI	GROUND FAULT INTERRUPTER		
AIC	AMPERE INTERRUPTING CAPACITY			P	POLE
AMP. A	AMPERE	HP	HORSEPOWER	PA	PUBLIC ADDRESS
		HV	HIGH VOLTAGE	PC	PLUMBING CONTRACTOR
BBWI	BATH & BODY WORKS, INC.	HZ	HERTZ	PE	PHOTO ELECTRIC
				PNL	PANEL
C	CONDUIT	IP	INTERCOM PHONE	PS	PAGING SYSTEM VENDOR
C.B	CIRCUIT BREAKER	IF	IFS SUPPLIER	PWR	POWER
CCTV	CLOSED CIRCUIT TELEVISION	IFS	INTEGRATED FACILITY SYSTEM		
CIRC.	CIRCUIT			RM	ROOM
CL	CURRENT LIMITER	J–BOX	JUNCTION BOX	RT	RAIN TIGHT
COL.	COLUMN			RTU	ROOF TOP UNIT
COND	CONDUIT	KVA	KILOVOLT–AMPS		
CONT	CONTINUED			SC	SECURITY CONTRACTOR
CU	COPPER	LD	LIGHTING PACKAGE DISTRIBUTOR	SSV	SECURITY SYSTEM VENDOR
		LCL	LONG CONTINUOUS LOAD	SV	SENSORMATIC VENDOR
DET	DETAIL	LL	LANDLORD	SW	SWITCH
DF	DRINKING FOUNTAIN	LTG	LIGHTING	SW BD	SWITCHBOARD
DIA	DIAMETER	LV	LOW VOLTAGE		
DISC	DISCONNECT	LVAN	L–BRANDS VIDEO ANALYTIC NETWORK	TC	TIMECLOCK
DISTR	DISTRIBUTION			TELC	TELEPHONE CONTRACTOR
DWG	DRAWING	MAX	MAXIMUM	TELE	TELEPHONE
		MC	MECHANICAL CONTRACTOR	TYP	TYPICAL
(E). EX	EXISTING	MCA	MINIMUM CIRCUIT AMPACITY		
EC	ELECTRICAL CONTRACTOR	MCC	MOTOR CONTROL CENTER	V	VOLT
EF	EXHAUST FAN	MCB	MAIN CIRCUIT BREAKER		
ELEC	ELECTRICAL	MECH	MECHANICAL	WP	WEATHERPROOF
EM	EMERGENCY LIGHT DESIGNATION	MLO	MAIN LUG ONLY	WAP	WIRELESS ACCESS POINT
EMS	ENERGY MANAGEMENT SYSTEM VENDOR	MH	MOUNTING HEIGHT		
		MOCP	MAXIMUM OVER CURRENT PROTECTION		
EWC	ELECTRIC WATER COOLER	MS	MUSIC SYSTEM VENDOR		
EXO	EXTERNALLY OPERATED				
EXT LOC	EXTERIOR LOCATION	N.C.	NORMALLY CLOSED		
		NF	NON FUSED		
FA	FIRE ALARM	N.I.C.	NOT IN CONTRACT		

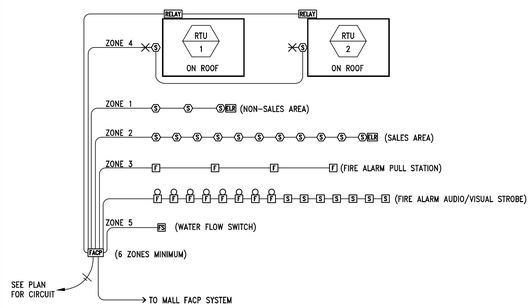
FIRE ALARM GENERAL NOTES

NTS | 00N-E0101-G00-NOTE | F | 08/15/18

1. FIRE ALARM SYSTEM SHALL BE UL/ULC LISTED AND APPROVED BY LOCAL FIRE OFFICIAL AND FIRE DEPARTMENT.
2. FIRE ALARM SYSTEM TO SHUT–DOWN HVAC UNITS AND MUTE MUSIC SYSTEM IN CASE OF ANY ZONE ALARM.
3. FIRE ALARM CONTRACTOR SHALL FURNISH AND INSTALL RELAYS AND DRY CONTACTS FOR HVAC UNITS AND MUSIC SYSTEM AS REQUIRED. RELAYS SHALL SHUT–DOWN HVAC UNITS AND MUTE MUSIC SYSTEM UPON ANY ZONE ALARM.
4. TENANT'S FIRE ALARM SYSTEM SHALL BE PRE–TESTED PER LANDLORD'S CRITERIA AND LOCAL AUTHORITY. TENANT'S FIRE ALARM SYSTEM SHALL BE FINAL TESTED BY THE LOCAL BUILDING AND FIRE MARSHALL AND WITNESSED BY LANDLORD'S ON–SITE REPRESENTATIVE.
5. LANDLORD'S FIRE ALARM CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO LANDLORD'S FIRE ALARM SYSTEM AT THE TENANT'S SOLE COST AND EXPENSE.
6. THESE PLANS MAY BE USED FOR CONSTRUCTION ONLY AFTER APPROVAL IS OBTAINED FROM THE BUILDING DEPARTMENT FIRE ALARM PLAN CHECK DIVISION AND THAT DIVISION'S STAMPED APPROVAL AND AUTHORIZED SIGNATURE APPEAR ON THE PLANS.
7. COORDINATE ALL WORK WITH ALL TRADES INCLUDED BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING, FIRE SPRINKLER, AND STRUCTURAL CONTRACTORS. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL AND STRUCTURAL MEMBERS. NO ITEM SUCH AS PIPE, DUCT, ETC. IS TO BE IN CONTACT WITH ANY EQUIPMENT.
8. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION WORK AND EXACT FIXTURE LOCATIONS.
9. CONTRACTOR SHALL PROVIDE CUT SHEETS TO BBWI FOR ALL EQUIPMENT AND DEVICES FURNISHED BY THE CONTRACTOR THAT DEVIATE FROM SPECIFIED ITEM FOR REVIEW AND APPROVAL PRIOR TO THE PURCHASE OF ANY SUCH EQUIPMENT OR DEVICES.
10. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY THE EXACT LOCATION OF SMOKE DETECTORS AND FIRE ALARM INTERFACE PANEL IN TENANT'S DEMISED PREMISES PRIOR TO SUBMITTING HIS OR HER BID. NO ADDITIONAL COMPENSATION WILL BE MADE FOR ANY EXTRAS DUE TO CONTRACTOR'S FAILURE TO VISIT THE JOB SITE AND/OR FAILURE TO PREDETERMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING HIS OR HER BID.
11. ACCESS TO ALL COMPONENTS AND EQUIPMENT MUST BE PROVIDED TO MEET CODE AND SERVICE/MAINTENANCE EASE.
12. THE CONTRACTOR SHALL VERIFY WITH LOCAL CODES AS TO THE REQUIREMENT/INSTALLATION OF THE FIRE ALARM SYSTEM.
13. UPON COMPLETION OF THE WORK, CONTRACTOR SHALL ENSURE THE PROPER WORKING ORDER OF THE SYSTEM(S) AND MAKE ANY ADJUSTMENTS AS REQUIRED.
14. FIRE ALARM CONTRACTOR SHALL PROVIDE UL/ULC LISTED FIRE STOPPING SYSTEMS AROUND ALL CONDUIT PENETRATIONS THROUGH RATED WALLS.
15. FIRE ALARM CONTRACTOR RESPONSIBLE FOR PULLING LOW VOLTAGE PERMIT.

FIRE ALARM SINGLE LINE DIAGRAM

NTS | 00N-E0101-E00-DIAG | E | 08/12/11

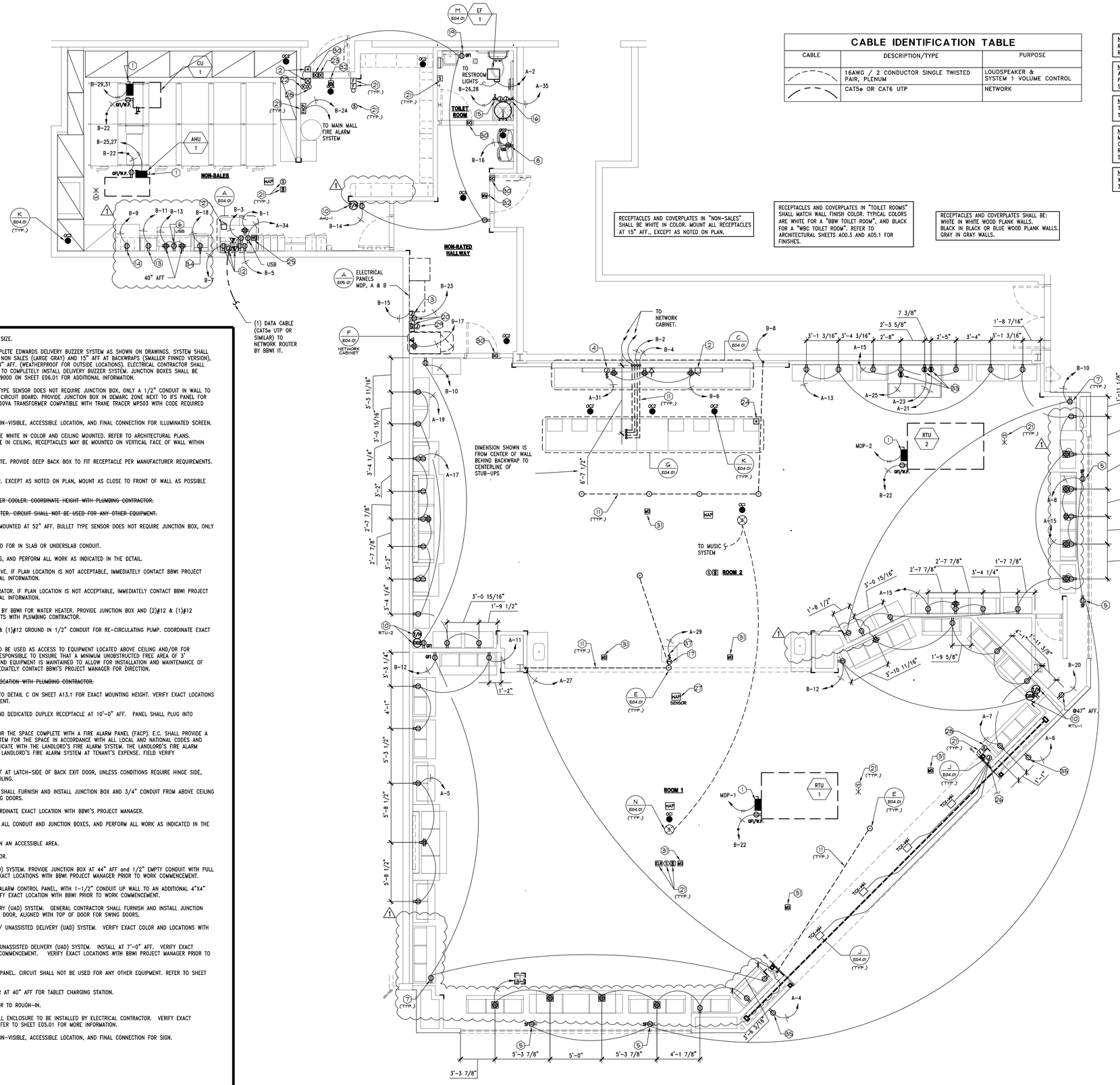


NOTE:
FIRE ALARM SYSTEM SHOWN IS FOR REFERENCE ONLY. GENERAL CONTRACTOR IS TO HIRE MALL FIRE ALARM SYSTEM CONTRACTOR TO PROVIDE A COMPLETE FIRE ALARM SYSTEM LAYOUT AS PER MALL, CITY, NFPA CODE REQUIREMENTS, AND OTHER REQUIREMENTS FROM THE AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT. FIELD VERIFY AND COORDINATE ALL RELATED REQUIREMENTS PRIOR TO BID AND WORK COMMENCEMENT.

ELECTRICAL GENERAL NOTES

NTS | 00N-E0101-C00-NOTE | C | 08/22/18

1. REFER TO LANDLORD'S SPECIFICATIONS AND TENANT DESIGN CRITERIA FOR NECESSARY INFORMATION AND COORDINATION WITH OTHER TRADES. COORDINATE ALL WORK WITH ALL TRADES INCLUDED BUT NOT LIMITED TO MECHANICAL, PLUMBING, FIRE PROTECTION, AND STRUCTURAL CONTRACTORS. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL AND STRUCTURAL MEMBERS. NO ITEM SUCH AS PIPE, DUCT, ETC. IS TO BE IN CONTACT WITH ANY EQUIPMENT.
2. ANY DISCREPANCY BETWEEN BBWI DRAWINGS AND TENANT CRITERIA, BBWI DRAWINGS SHALL TAKE PRECEDENCE.
3. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT ALL INSTALLED ITEMS AND LOCATIONS ARE NOT EXACTLY PLACED AND ARE NOT TO BE SCALED. ALL CONDUITS SHALL BE RUN TO SUIT CONDITIONS IN THE FIELD. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY ON THESE PLANS AND DO NOT NECESSARILY REFLECT THE EXACT CONDUIT LOCATIONS. ALL CONDUITS SHALL BE RUN INSIDE SHELL OF BUILDING AND UNDER INSULATED CEILING TO AVOID HIGH AMBIENT TEMPERATURE CONDITION.
4. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO SCHEDULE ALL ELECTRICAL AND LOW VOLTAGE INSPECTIONS REQUIRED BY THE BUILDING DEPARTMENT AND SERVING UTILITIES, AND EACH CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OR HER PERMITS AND INSPECTION FEES.
5. BEFORE COMMENCING ANY WORK, CONTRACTORS SHALL REVIEW THE LATEST ADOPTED CODE REQUIREMENTS, INCLUDING LANDLORD CRITERIA, AND PERFORM THE WORK IN STRICT ACCORDANCE WITH THESE. IN CASE OF CONFLICT, THE STRICTER REQUIREMENTS WILL PREVAIL.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING HIS OR HER BID. FOR THE PURPOSE OF SURVEYING EXISTING CONDITIONS, WHICH MAY AFFECT THE WORK TO BE DONE UNDER THIS SECTION, ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE GENERAL CONTRACTOR, BBWI, OR THE LANDLORD'S FIELD REPRESENTATIVE FOR CLARIFICATION.
   6.a. AFTER BID, ANY QUESTIONS RELATING TO SPECIFIC M, E, OR P ISSUES ARE TO BE DIRECTED AS RFI'S THROUGH THE BBWI PROJECT MANAGER.
   6.b. SHOULD THE SPACE HAVE BEEN INACCESSIBLE FOR INSPECTION, CONTRACTOR MUST INDICATE SO ON HIS OR HER BID.
   6.c. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR ANY CHANGE ORDERS DUE TO CONTRACTOR'S FAILURE TO VISIT THE JOBSITE AND/OR PREDETERMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING HIS OR HER BID.
7. THE CONTRACTOR, WITHIN FIFTEEN (15) DAYS OF THE AWARD OF THE CONTRACT, SHALL SUBMIT TO THE OWNER SIX (6) COPIES OF A COMPLETE LIST OF MATERIALS AND EQUIPMENT PROPOSED FOR THE JOB INCLUDING ALL DATA, PART NUMBERS, RATING CAPACITY, SIZE, DIMENSIONS, ELECTRICAL DATA, GRADE, MANUFACTURER, AND ANY OTHER DESCRIPTIVE DATA FOR ALL EQUIPMENT OR SYSTEMS THAT DEVIATE FROM SPECIFIED ITEMS. ANY DELAYS OR COSTS DUE TO THESE DEVIATIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. CONTRACTOR SHALL REMOVE ALL ABANDONED WIRING WHICH IS NOT TO BE REUSED. FROM CONDUIT OR RACEWAY. AS IS PRACTICAL, CONDUIT AND/OR RACEWAYS SHALL REMAIN WITH PULL STRING AND CAPPED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL UNUSED OR ABANDONED MATERIALS AND EQUIPMENT AND ITS REMOVAL OFF THE TENANT'S AND LANDLORD'S PREMISES.
9. OWNER RESERVES THE RIGHT TO HAVE CONSTRUCTION REVIEWED BY AN OUTSIDE CONSULTANT PRIOR TO ACCEPTANCE OF THE PROJECT.
10. EACH CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP RELATED TO HIS OR HER WORK FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE WHICH THE OWNER ACCEPTS THE PROJECT. THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER OR TENANT, SHALL CORRECT ANY DEFECTS IN MATERIALS OR WORKMANSHIP DURING THIS GUARANTEE PERIOD.
   10.a. EACH CONTRACTOR SHALL BE RESPONSIBLE AND ENSURE A CLEAN INSTALLATION, ESPECIALLY IN EXPOSED CEILING AREAS. THE FINAL APPROVAL OF THIS WORK WILL BE ISSUED BY BBWI PROJECT MANAGER.
11. PROVIDE THREE SETS OF "AS–BUILT" DRAWINGS AND TWO BOUND SETS OF ALL OPERATIONS MANUALS, DIAGRAMS, SERVICE CONTRACTS, AND GUARANTEES TO BBWI PRECEDENT TO FINAL PAYMENT. A REPORT PREPARED BY AN INDEPENDENT AIR BALANCE CONTRACTOR, HIRED BY GC, MUST BE INCLUDED IN THE CLOSEOUT PACKAGE.
12. THE ABBREVIATION "BBWI", WHEREVER IT APPEARS IN THESE ELECTRICAL DRAWINGS, SHALL REFER TO "BATH & BODY WORKS, INC.".
13. THE CONTRACTOR FOR THIS WORK IS REQUIRED TO READ THE SPECIFICATIONS AND REVIEW DRAWINGS OF ALL DIVISIONS OF WORK AND IS RESPONSIBLE FOR THE COORDINATION OF THIS WORK AND THE WORK OF HIS OR HER SUBCONTRACTORS WITH ALL DIVISIONS OF WORK. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.
14. THESE PLANS MAY BE USED FOR CONSTRUCTION ONLY AFTER APP



RECEPTACLES AND COVERPLATES IN "NON-SALES" SHALL BE WHITE IN COLOR. MOUNT ALL RECEPTACLES AT 15" AFF., EXCEPT AS NOTED ON PLAN.

RECEPTACLES AND COVERPLATES IN "TOILET ROOMS" SHALL MATCH WALL FINISH COLOR. TYPICAL COLORS ARE WHITE FOR A "BBW TOILET ROOM", AND BLACK FOR A "WBC TOILET ROOM". REFER TO ARCHITECTURAL SHEETS A00.3 AND A05.1 FOR FINISHES.

RECEPTACLES AND COVERPLATES SHALL BE:
WHITE IN WHITE WOOD PLANK WALLS.
BLACK IN BLACK OR BLUE WOOD PLANK WALLS.
GRAY IN GRAY WALLS.

CABLE IDENTIFICATION TABLE

CABLE	DESCRIPTION/TYPE	PURPOSE
	16AWG / 2 CONDUCTOR SINGLE TWISTED PAIR, PLENUM	LOUDSPEAKER & SYSTEM 1 VOLUME CONTROL
	CAT5e OR CAT6 UTP	NETWORK

NOTE:
REFER TO RESPONSIBILITY SCHEDULE FOR CONTRACTOR'S RESPONSIBILITIES.

NOTE:
ALL SPEAKER AND SUBWOOFER CABLING IS DAISY-CHAINED IN PARALLEL SPEAKER-TO-SPEAKER WITHIN THE SAME BRAND OF THE STORE.

NOTE:
THERE SHALL NOT BE NO MORE THAN (3) CABLES RUNNING TO/FROM EACH SPEAKER.

NOTE:
MAINTAIN A SINGLE CABLE BETWEEN ROOMS TO AVOID EXCESSIVE CABLE PULLS. SPEAKER-TO-SPEAKER CABLE PULL WITHIN EACH ROOM ARE DISCRETIONARY AS LONG AS EVERY SPEAKER AND SUBWOOFER IS ACCOUNTED FOR.

NOTE:
WIRELESS ACCESS POINT (WAP) DEVICES TO BE PLACED WITHIN 35 FEET RADIUS FROM EACH OTHER.

1. SEE SHEET E05.01 ELECTRICAL EQUIPMENT DATA FOR WIRE SIZE.
2. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE EDWARDS DELIVERY BUZZER SYSTEM AS SHOWN ON DRAWINGS. SYSTEM SHALL INCLUDE TRANSFORMER, BUZZERS MOUNTED AT 96" AFF IN NON SALES (LARGE GRAY) AND 15" AFF AT BACKWRAPS (SMALLER FINNED VERSION), LOUVERED COVERPLATES, AND PUSHBUTTON MOUNTED AT 48" AFF. (WEATHERPROOF FOR OUTSIDE LOCATIONS). ELECTRICAL CONTRACTOR SHALL PROVIDE NECESSARY JUNCTION BOXES, CONDUIT, AND WIRE TO COMPLETELY INSTALL DELIVERY BUZZER SYSTEM. JUNCTION BOXES SHALL BE MOUNTED VERTICALLY. REFER TO SPECIFICATION SECTION 269000 ON SHEET E06.01 FOR ADDITIONAL INFORMATION.
3. HVAC MONITORING SENSOR MOUNTED AT 52" AFF. BULLET TYPE SENSOR DOES NOT REQUIRE JUNCTION BOX, ONLY A 1/2" CONDUIT IN WALL TO ABOVE CEILING. SENSOR TO BE ROUTED BACK TO MONITOR CIRCUIT BOARD. PROVIDE JUNCTION BOX IN DEMARC ZONE NEXT TO IFS PANEL FOR MONITOR CIRCUIT BOARD. PROVIDE AND INSTALL 24 VOLT 150VA TRANSFORMER COMPATIBLE WITH TRANE TRACER MPS03 WITH CODE REQUIRED DISCONNECT SWITCH.
4. PROVIDE JUNCTION BOX, TOGGLE DISCONNECT SWITCH IN NON-VISIBLE, ACCESSIBLE LOCATION, AND FINAL CONNECTION FOR ILLUMINATED SCREEN.
5. RECEPTACLES AND COVERPLATES DESIGNATED "SF" SHALL BE WHITE IN COLOR AND CEILING MOUNTED. REFER TO ARCHITECTURAL PLANS. SUPPORT BOX FROM STRUCTURE. IF NOT FEASIBLE TO PLACE IN CEILING, RECEPTACLES MAY BE MOUNTED ON VERTICAL FACE OF WALL WITHIN 18" FROM THE TOP OF THE SHOW WINDOW GLAZING.
6. USB CHARGER RECEPTACLE AND COVERPLATE SHALL BE WHITE. PROVIDE DEEP BACK BOX TO FIT RECEPTACLE PER MANUFACTURER REQUIREMENTS. MOUNT ABOVE COUNTER AT +40" AFF.
7. RECEPTACLES AND COVERPLATES SHALL BE WHITE IN COLOR. EXCEPT AS NOTED ON PLAN, MOUNT AS CLOSE TO FRONT OF WALL AS POSSIBLE (TO CLEAR BASE CABINET), AT 15" AFF.
8. ~~PROVIDE DUPLEX RECEPTACLE FOR DRINKING FOUNTAIN/WATER COOLER. COORDINATE HEIGHT WITH PLUMBING CONTRACTOR.~~
9. ~~DEDICATED DUPLEX RECEPTACLE FOR SEASONAL CASH REGISTER. CIRCUIT SHALL NOT BE USED FOR ANY OTHER EQUIPMENT.~~
10. MECHANICAL SENSORS (QUANTITY/TYPE AS SHOWN) TO BE MOUNTED AT 52" AFF. BULLET TYPE SENSOR DOES NOT REQUIRE JUNCTION BOX, ONLY A 1/2" CONDUIT IN WALL TO ABOVE CEILING.
11. SAW CUT/CORE DRILL AND PATCH FLOOR SLAB AS REQUIRED FOR IN SLAB OR UNDERSLAB CONDUIT.
12. MUSIC SYSTEM. PROVIDE ALL CONDUIT AND JUNCTION BOXES, AND PERFORM ALL WORK AS INDICATED IN THE DETAIL.
13. 20 AMP, 120 VOLT RECEPTACLE AT 42" AFF. FOR MICROWAVE. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT BBWI PROJECT MANAGER FOR DIRECTION. SEE SHEET A14.02 FOR ADDITIONAL INFORMATION.
14. 20 AMP, 120 VOLT RECEPTACLE AT 18" AFF. FOR REFRIGERATOR. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT BBWI PROJECT MANAGER FOR DIRECTION. SEE SHEET A14.02 FOR ADDITIONAL INFORMATION.
15. INSTALL 20A, 2 POLE 'AC' TOGGLE DISCONNECT FURNISHED BY BBWI FOR WATER HEATER. PROVIDE JUNCTION BOX AND (2)#12 & (1)#12 GROUND IN 1/2" CONDUIT. COORDINATE EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR.
16. PROVIDE JUNCTION BOX, TOGGLE DISCONNECT AND (2)#12 & (1)#12 GROUND IN 1/2" CONDUIT FOR RE-CIRCULATING PUMP. COORDINATE EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR.
17. AIR DEVICE OR ACCESS PANEL BY GENERAL CONTRACTOR TO BE USED AS ACCESS TO EQUIPMENT LOCATED ABOVE CEILING AND/OR FOR TRANSMISSION OF ALARM SOUND. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT A MINIMUM UNOBSTRUCTED FREE AREA OF 3" VERTICALLY AND 3" HORIZONTALLY IN ALL DIRECTIONS AROUND EQUIPMENT IS MAINTAINED TO ALLOW FOR INSTALLATION AND MAINTENANCE OF EQUIPMENT. IF THIS FREE AREA CANNOT BE OBTAINED, IMMEDIATELY CONTACT BBWI'S PROJECT MANAGER FOR DIRECTION.
18. ~~RECEPTACLE FOR DEMO SINK DRAIN PUMP. COORDINATION LOCATION WITH PLUMBING CONTRACTOR.~~
19. PROVIDE GFI DUPLEX RECEPTACLE IN TOILET ROOM. REFER TO DETAIL C ON SHEET A13.1 FOR EXACT MOUNTING HEIGHT. VERIFY EXACT LOCATIONS WITH BBWI PROJECT MANAGER PRIOR TO WORK COMMENCEMENT.
20. BURGLAR ALARM SYSTEM CONTROL PANEL. MOUNT PANEL AND DEDICATED DUPLEX RECEPTACLE AT 10'-0" AFF. PANEL SHALL PLUG INTO ADJACENT DEDICATED RECEPTACLE.
21. FIRE ALARM DEVICE. A FIRE ALARM SYSTEM IS REQUIRED FOR THE SPACE COMPLETE WITH A FIRE ALARM PANEL (FACP). E.C. SHALL PROVIDE A COMPLETE, PERMITTED, AND FULLY TESTED FIRE ALARM SYSTEM FOR THE SPACE IN ACCORDANCE WITH ALL LOCAL AND NATIONAL CODES AND LANDLORD REQUIREMENTS. THE SPACE FACP SHALL COMMUNICATE WITH THE LANDLORD'S FIRE ALARM SYSTEM. THE LANDLORD'S FIRE ALARM CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO THE LANDLORD'S FIRE ALARM SYSTEM AT TENANT'S EXPENSE. FIELD VERIFY ANDCOORDINATE PRIOR TO BID AND WORK COMMENCEMENT.
22. KEYPAD FOR LVAN SYSTEM, MOUNTED WITH TOP AT 42" AFF AT LATCH-SIDE OF BACK EXIT DOOR, UNLESS CONDITIONS REQUIRE HINGE SIDE, WITH 1/2" CONDUIT UP WALL TO JUNCTION BOX ABOVE CEILING.
23. DOOR CONTACT FOR LVAN SYSTEM. GENERAL CONTRACTOR SHALL FURNISH AND INSTALL JUNCTION BOX AND 3/4" CONDUIT FROM ABOVE CEILING TO 6" FROM DOOR, ALIGNED WITH TOP OF DOOR FOR SWING DOORS.
24. INSTALL BUTTON FOR LVAN SYSTEM INSIDE CASHWRAP. COORDINATE EXACT LOCATION WITH BBWI'S PROJECT MANAGER.
25. REMOTE VOLUME CONTROLLER FOR MUSIC SYSTEM. PROVIDE ALL CONDUIT AND JUNCTION BOXES, AND PERFORM ALL WORK AS INDICATED IN THE DETAILS.
26. JUNCTION BOX FOR TRAFFIC COUNTER SHALL BE LOCATED IN AN ACCESSIBLE AREA.
27. WAP SENSOR SHALL BE LOCATED 35 FEET FROM ENTRY DOOR.
28. KEYPAD FOR BURGLAR ALARM / UNASSISTED DELIVERY (UAD) SYSTEM. PROVIDE JUNCTION BOX AT 44" AFF and 1/2" EMPTY CONDUIT WITH PULL STRING TO ACCESSIBLE LOCATION ABOVE CEILING. VERIFY EXACT LOCATIONS WITH BBWI PROJECT MANAGER PRIOR TO WORK COMMENCEMENT.
29. 4"X4" JUNCTION BOX MOUNTED IN WALL BEHIND BURGLAR ALARM CONTROL PANEL, WITH 1-1/2" CONDUIT UP WALL TO AN ADDITIONAL 4"X4" JUNCTION BOX MOUNTED ABOVE ACCESSIBLE CEILING. VERIFY EXACT LOCATION WITH BBWI PRIOR TO WORK COMMENCEMENT.
30. DOOR CONTACT FOR BURGLAR ALARM / UNASSISTED DELIVERY (UAD) SYSTEM. GENERAL CONTRACTOR SHALL FURNISH AND INSTALL JUNCTION BOX AND 3/4" CONDUIT FROM ABOVE CEILING TO 6" FROM DOOR, ALIGNED WITH TOP OF DOOR FOR SWING DOORS.
31. CEILING MOUNTED MOTION DETECTOR FOR BURGLAR ALARM / UNASSISTED DELIVERY (UAD) SYSTEM. VERIFY EXACT COLOR AND LOCATIONS WITH BBWI PROJECT MANAGER PRIOR TO WORK COMMENCEMENT.
32. WALL MOUNTED MOTION DETECTOR FOR BURGLAR ALARM / UNASSISTED DELIVERY (UAD) SYSTEM. INSTALL AT 7'-0" AFF. VERIFY EXACT LOCATIONS WITH BBWI PROJECT MANAGER PRIOR TO WORK COMMENCEMENT. VERIFY EXACT LOCATIONS WITH BBWI PROJECT MANAGER PRIOR TO WORK COMMENCEMENT.
33. DEDICATED DUPLEX RECEPTACLE FOR WALLFLOWER DISPLAY PANEL. CIRCUIT SHALL NOT BE USED FOR ANY OTHER EQUIPMENT. REFER TO SHEET E03.01 FOR ADDITIONAL INFORMATION.
34. PROVIDE A DEDICATED DUPLEX RECEPTACLE ABOVE COUNTER AT 40" AFF FOR TABLET CHARGING STATION.
35. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
36. LIGHTSTAT TRACKMISER CURRENT LIMITING PANEL WITH SMALL ENCLOSURE TO BE INSTALLED BY ELECTRICAL CONTRACTOR. VERIFY EXACT LOCATION WITH LSD&C PRIOR TO WORK COMMENCEMENT. REFER TO SHEET E05.01 FOR MORE INFORMATION.
37. PROVIDE JUNCTION BOX, TOGGLE DISCONNECT SWITCH IN NON-VISIBLE, ACCESSIBLE LOCATION, AND FINAL CONNECTION FOR SIGN.

"VERIFY ALL FIELD CONDITIONS PRIOR TO BID"

City of Puyallup
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ELECTRICAL POWER & LOW VOLTAGE PLAN KEYNOTES | NTS | 42N-E0201-D00-NOTE | D 04/10/20

ELECTRICAL POWER & LOW VOLTAGE PLAN | 1/4" = 1'-0" | A

Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

JUSTIN HOSSINGER — STATE OF WASHINGTON — 23010493 — REGISTERED PROFESSIONAL ENGINEER — 12-29

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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104.01.0737.01

PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO.: 235
3500 S. MERIDIAN STREET
PUTALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 231So.00
A/E PROJECT #: 20221012.0

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - POR REVISION & DESIGN UPDATES	12/13/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: RDW
DRAWN BY: TBA
CHECKED BY: JH

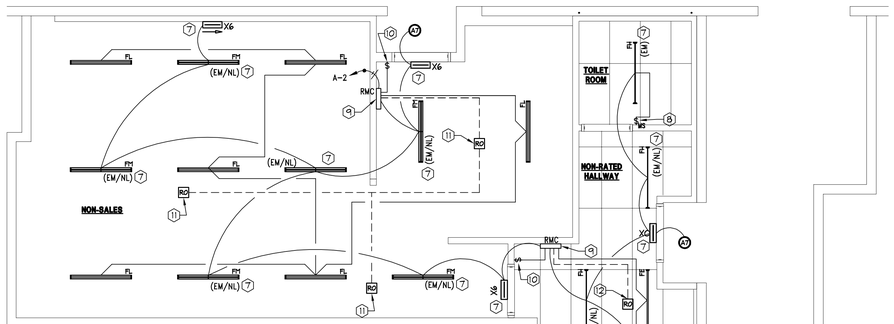
ELECTRICAL POWER & LOW VOLTAGE PLAN

DRAWING NUMBER:
E02.01

1. CIRCUIT SALES EXIT, EMERGENCY (EM) AND NIGHTTIME SECURITY LIGHTS (NL) TO CIRCUIT A-1.
2. ~~BREAK-OFF CIRCUIT.~~
3. FURNISH AND INSTALL JUNCTION BOX, TOGGLE DISCONNECT SWITCH IN NON-VISIBLE LOCATION, AND FINAL CONNECTION FOR 120 VOLT SIGN. SIGN IS FURNISHED WITH INTERNAL GROUND FAULT PROTECTION BY SIGN MANUFACTURER PER N.E.C. ARTICLE 600-23B. VERIFY EXACT LOCATION OF JUNCTION BOX WITH SIGN MANUFACTURER. (REUSE EXISTING JUNCTION BOX AND CONDUIT INTO SPACE IF ALREADY INSTALLED. VERIFY IN FIELD EXACT LOCATION ON CANOPY). FOR CANOPY POWER SEE SHEET A08.01 FOR WALL PENETRATION IN ROUTING CONDUIT. NOTE: THE CIRCUIT FOR SIGNAGE MUST BE A DEDICATED ISOLATED 3-LINE CIRCUIT CONSISTING OF HOT, NEUTRAL, AND GROUND WIRES LEADING DIRECTLY TO THE PANEL.
4. PROVIDE JUNCTION BOX MOUNTED ON INTERIOR OF STORE, ACCESSIBLE ABOVE CEILING, FOR EXTERIOR BLADE SIGN.
5. CIRCUIT SHALL BE CONTROLLED BY SMART BREAKER PANEL. PANEL PROVIDE SCHEDULED ON AND OFF FOR THE STOREFRONT SIGNAGE AND SHOW WINDOW LIGHTING. ALL OTHER LIGHTING ZONES REQUIRE A MANUAL ON INPUT TO INITIATE THE LIGHTS FOR THE DAY, AND HAVE SCHEDULED SHUTOFF, 2-HOUR OVERRIDE SWITCHES SHALL BE UTILIZED TO TEMPORARILY BYPASS THE SYSTEM'S SCHEDULE AND PROVIDE LIGHTING IN THE SPACE.
6. FURNISH AND INSTALL SWITCHING RELAY AND OCCUPANCY SENSOR TO ALLOW THE GENERAL LIGHTING TO BE CONTROLLED BY AN OCCUPANCY SENSOR DURING NORMALLY UNOCCUPIED HOURS, AND BY THE NORMALLY SCHEDULED OPERATION DURING OCCUPIED HOURS. REFER TO THE "SALES AFTER HOURS LIGHTING CONTROL WIRING SCHEMATIC" DETAIL "G" ON THIS SHEET FOR ADDITIONAL INFORMATION.
7. CIRCUIT NON-SALES EXIT, EMERGENCY (EM) AND NIGHTTIME SECURITY LIGHTS (NL) TO CIRCUIT A-2.
8. FURNISH & INSTALL OCCUPANCY MOTION SENSOR SWITCH FOR CONTROL OF LIGHTS AS SHOWN. MOUNT SO THAT BOTTOM OF SWITCH SITS AT 42"AFF. SENSOR SHALL AUTOMATICALLY TURN LIGHTS ON UPON DETECTING AN OCCUPANT. SENSOR SHALL AUTOMATICALLY SHUT OFF LIGHTING WITHIN 15 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.
9. FURNISH & INSTALL ROOM CONTROLLER FOR CONTROL OF LIGHTS AS SHOWN. MOUNT SO THAT CONTROLLER IS TIGHT TO DECK. INSTALL COMPLETE SYSTEM PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. COORDINATE EXACT LOCATION OF EQUIPMENT WITH BBWI PROJECT MANAGER IN FIELD. REFER TO THE "BACK OF HOUSE ROOM CONTROLLER WIRING SCHEMATIC" DETAIL "L" ON THIS SHEET FOR ADDITIONAL INFORMATION.
10. FURNISH & INSTALL LOW VOLTAGE WALL SWITCH FOR MANUAL CONTROL OF LIGHTS AS SHOWN. MOUNT SO THAT BOTTOM OF SWITCH SITS AT 42"AFF. SENSOR SHALL AUTOMATICALLY TURN LIGHTS ON UPON DETECTING AN OCCUPANT. SENSOR SHALL AUTOMATICALLY SHUT OFF LIGHTING WITHIN 15 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.
11. FURNISH & INSTALL CEILING VACANCY SENSOR FOR CONTROL OF LIGHTS AS SHOWN. MOUNT SO THAT BOTTOM OF SENSOR SITS LEVEL WITH LIGHTING. SENSOR SHALL AUTOMATICALLY TURN LIGHTS ON UPON DETECTING AN OCCUPANT. SENSOR SHALL AUTOMATICALLY SHUT OFF LIGHTING WITHIN 15 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.
12. FURNISH & INSTALL CEILING OCCUPANCY SENSOR FOR CONTROL OF LIGHTS AS SHOWN. MOUNT SO THAT BOTTOM OF SENSOR SITS LEVEL WITH LIGHTING. SENSOR SHALL AUTOMATICALLY TURN LIGHTS ON UPON DETECTING AN OCCUPANT. SENSOR SHALL AUTOMATICALLY SHUT OFF LIGHTING WITHIN 15 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.
13. LIGHT FIXTURES TO BE INSTALLED IN MILLWORK FIXTURE, NOT IN CEILING. VERIFY WITH BBWI. REFER TO SHEET E02.01 FOR POWER REQUIREMENTS.
14. LED POWER SUPPLIES SHOWN TO CLARIFY SIZE AND QUANTITY FOR EACH CABINET/CASHWRAP TYPE.
15. FURNISH AND INSTALL JUNCTION BOX, TOGGLE DISCONNECT SWITCH IN NON-VISIBLE LOCATION, AND FINAL CONNECTION FOR 120 VOLT SIGN.

ELECTRICAL LIGHTING PLAN KEYNOTES

NTS | 42N-E0301-D00-NOTE | D | 04/03/20



ELECTRICAL PANELS MDP, A & B

NOTE: REFER TO SHEET E04.03 FOR LIGHT FIXTURE SCHEDULE.

NOTE: REFER TO SHEET E05.01 FOR PANEL SCHEDULE AND LIGHTING ZONE DESIGNATIONS.

NOTE: LENGTH OF FLEXIBLE METAL CONDUIT, MC TYPE CABLE, OR AC90(CANADA) MAY EXCEED 6'-0" IF ALLOWED BY LANDLORD. REFER TO SPECIFICATIONS.

NOTE: ELECTRICAL CONTRACTOR SHALL REFER TO ARCHITECTURAL SHEETS FOR MOUNTING HEIGHTS AND INSTALLATION DETAILS FOR SUSPENDED LIGHTING IN NON-SALES AREA.

NOTE: GENERAL CONTRACTOR SHALL VERIFY CEILING FIRE RATING WITH ARCHITECT, AND BOX OR TENT ALL RECESSED LIGHT FIXTURES, IF REQUIRED, TO MAINTAIN CEILING FIRE RATING.

NOTE: SWITCHES AND COVERPLATES IN "TOILET ROOMS" SHALL MATCH WALL FINISH COLOR. TYPICAL COLORS ARE WHITE FOR A "BBW TOILET ROOM", AND BLACK FOR A "WBC TOILET ROOM". REFER TO ARCHITECTURAL SHEETS A00.3 AND A05.1 FOR FINISHES.

NOTE: CIRCUIT NON-SALES EXIT SIGNS AND EMERGENCY BATTERY BACKUP BALLAST TO LOCAL CIRCUIT AHEAD OF ALL SWITCHING.

NOTE: "NL" DENOTES NIGHTTIME SECURITY LIGHTS.

ASHRAE 90.1-2016 FUNCTIONAL TESTING:

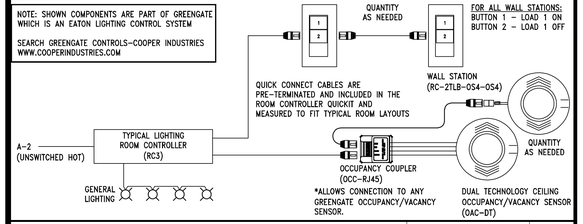
PER ASHRAE 90.1-2016 SECTION 9.4.3, IT IS THIS CONTRACTOR'S RESPONSIBILITY TO HIRE A 3RD PARTY TESTING AGENT TO CONDUCT AND CERTIFY FUNCTIONAL TESTING OF THE LIGHTING CONTROLS IN ACCORDANCE WITH ASHRAE 90.1-2016 ARTICLE 9.4.3. THIS TESTING AGENT IS TO REVIEW THE COMPLETE M.E.P. DESIGN DOCUMENTS, CODE INTERPRETATIONS AND DESIGN ASPECTS PRIOR TO CONSTRUCTION AND CONTACT THE ENGINEER OF RECORD WITH ANY QUESTIONS OR COMMENTS REGARDING THE DESIGN SET.

THE INDIVIDUAL(S) RESPONSIBLE FOR THE FUNCTIONAL TESTING SHALL NOT BE DIRECTLY INVOLVED IN EITHER THE DESIGN OR CONSTRUCTION OF THE PROJECT AND SHALL PROVIDE DOCUMENTATION CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET OR EXCEED ALL DOCUMENTED PERFORMANCE CRITERIA. INCLUDE ALL COSTS OF THIS AGENT IN BID.

1. LIGHTING SHALL BE CIRCUITED EXACTLY AS SHOWN ON PLANS. CIRCUITING SHALL BE "THRU-WIRING" WHERE AND WHENEVER POSSIBLE. MULTIPLE CONNECTIONS TO A SINGLE LIGHT FIXTURE FOR VOLTAGE DROP CONDITIONS OR AS A RESULT OF A FIELD CONDITION ARE ACCEPTABLE. LIGHT FIXTURES SHALL BE MANUFACTURED TO ACCOMMODATE "THRU-WIRING". ANY RELATED COSTS FOR MULTIPLE CONNECTIONS SHOULD BE INCLUDED IN BID.
2. ELECTRICAL CONTRACTOR'S BID SHALL INCLUDE THE INSTALLATION OF ALL LIGHT FIXTURES AND ASSOCIATED LAMPS FURNISHED BY BBWI. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THE ADJUSTABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND AIM THEM PER GC DIRECTION. LIGHT FIXTURE SPECIFICATIONS MAY VARY. IF THIS IS THE CASE, CONTRACTOR IS TO CALL BBWI PURCHASING AGENT WHO WILL THEN CALL THE DISTRIBUTOR FOR EXACT SPECIFICATION OF LIGHTING FIXTURES. IF THE CEILING SYSTEMS ARE FIRE RATED, ELECTRICAL CONTRACTOR IS TO CLOSELY COORDINATE FIXTURE REQUIREMENTS WITH BBWI.
3. EMERGENCY AND EXIT LIGHTS SHALL BE INSTALLED AND CIRCUITED PER LOCAL AND LATEST NATIONAL ELECTRICAL CODES. ALL EMERGENCY AND EXIT FIXTURES SHALL BE DUAL VOLTAGE WITH BATTERY BACK UP (120/277 VOLT INPUT). INSTALL A CENTRAL BATTERY SYSTEM WHERE THE USE OF INDIVIDUAL BATTERY UNITS ARE PROHIBITED BY LOCAL CODES. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT BBWI PROJECT MANAGER FOR DIRECTION.
4. ALL LIGHTING CIRCUITS UP TO 100'-0" IN LENGTH SHALL UTILIZE #12 CONDUCTORS MINIMUM. ALL LIGHTING CIRCUITS FROM 100'-1" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. ALL LIGHTING CIRCUITS 150'-01" UP TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. CIRCUITS ABOVE 251'-0" SHALL UTILIZE #6 CONDUCTORS MINIMUM.
5. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM.
6. EXIT/EMERGENCY LIGHTS AT STOREFRONT ARE TO BE CEILING MOUNTED AND CENTERED OVER OPENING. EXIT/EMERGENCY LIGHTS AT DOOR TO NON-SALES SHALL BE CEILING MOUNTED AND CENTERED ABOVE DOOR. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT THE BBWI PROJECT MANAGER FOR DIRECTION.
7. IT WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO UNLOAD INVENTORY AND STORE LIGHTING PACKAGE. THE ELECTRICAL CONTRACTOR WILL ALSO SHIP ANY EXCESS MATERIALS BACK TO THE ELECTRICAL PACKAGE DISTRIBUTOR.
8. ELECTRICAL CONTRACTOR SHALL REFER BACK TO ARCHITECTURAL SHEETS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED EMERGENCY EGRESS AND EXIT FIXTURES. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT BBWI PROJECT MANAGER FOR DIRECTION.
9. REFER TO ARCHITECTURAL DRAWINGS FOR COORDINATION AND EXACT LOCATION OF EXIT SIGNS, EMERGENCY LIGHTING FIXTURES, SPEAKERS, DIFFUSERS, AND OTHER ARCHITECTURAL ELEMENTS.
10. THE ELECTRICAL CONTRACTOR MUST INCLUDE IN THE BID TWO (2) HOURS OF START-UP TIME FOR THE LIGHTING CONTROL SYSTEM. THE ELECTRICAL CONTRACTOR WILL BE REQUIRED TO REPAIR OR REPLACE COMPONENTS FOUND TO BE DEFECTIVE. THE ELECTRICAL CONTRACTOR MUST COORDINATE LIGHTING CONTROL START-UP WITH BAS SUPPLIER REPRESENTATIVE. FAILURE TO DO SO MAY REQUIRE THE ELECTRICAL CONTRACTOR TO RETURN TO THE JOB SITE TO PERFORM START-UP AT A FUTURE DATE AT THE ELECTRICAL CONTRACTOR'S OWN EXPENSE.
11. ALL APPURTENANCES PROVIDED WITH LIGHT FIXTURES, OR TRACK, ETC. POLARITY REVERSING ENDS, SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

LIGHTING PLAN CONSTRUCTION NOTES

NTS | 42N-E0301-M00-NOTE | M | 08/15/11



BACK OF HOUSE ROOM CONTROLLER WIRING SCHEMATIC

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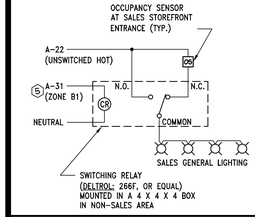

SALES SEQUENCE OF OPERATION:

- FOR STORE OPENING, "MANUAL-ON" / ZONE B1 OVERRIDE SWITCH MOUNTED ON THE IFS IS USED TO TURN ON THE ZONE "B1" GENERAL LIGHTS. THE SWITCH ALSO INITIATES THE SEQUENCE FOR ALL OTHER SALES AREA LIGHTS TO TURN ON. AT THE END OF THE DAY THE LIGHTING TIMER WILL AUTOMATICALLY SHUT OFF ALL LIGHTS.
- AFTER HOURS OPERATION: EACH LIGHTING ZONE INCLUDES A 2 HOUR OVERRIDE SWITCH MOUNTED ON THE IFS EQUIPMENT WHICH IS USED TO TURN ON ANY REQUIRED LIGHTING ZONE AFTER HOURS.

SALES AFTER-HOURS LIGHTING CONTROL WIRING SCHEMATIC

NTS | 42N-E0301-M00-NOTE | G | 04/03/20

ROOM 2
ROOM 1
A-8
A-12
A-16
A-30
A-22
A-28
A-20
A-24
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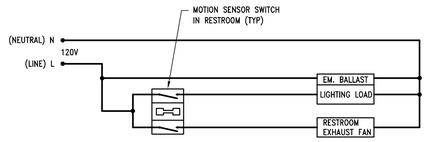
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

SWITCHES AND COVERPLATES IN "TOILET ROOMS" SHALL MATCH WALL FINISH COLOR. TYPICAL COLORS ARE WHITE FOR A "BBW TOILET ROOM", AND BLACK FOR A "WBC TOILET ROOM". REFER TO ARCHITECTURAL SHEETS A00.3 AND A05.1 FOR FINISHES.



SCHEMATIC FOR 1 R.R EXHAUST FAN

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42D-E0402-R01-XFAN
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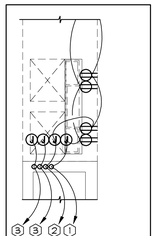
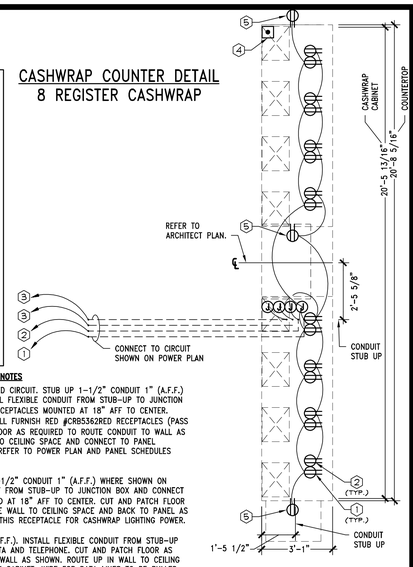
REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF CASHWRAP.



ALTERNATE CONDITION:
WHEN CASHWRAP IS NEXT TO WALL, CONDUIT MAY BE RAN THROUGH BASE OF CASHWRAP INTO ADJACENT WALL. REFER TO REST OF DETAIL FOR WIRING INFORMATION.

CASHWRAP COUNTER DETAIL
8 REGISTER CASHWRAP



1 CASHWRAP POWER

CASHWRAP & TELE/DATA SYSTEM NOTES

1. REGISTERS SHALL SHARE DEDICATED CIRCUIT. STUB UP 1-1/2" CONDUIT 1" (A.F.F.) WHERE SHOWN ON DETAIL. INSTALL FLEXIBLE CONDUIT FROM STUB-UP TO JUNCTION BOX AND CONNECT TO DUPLEX RECEPTACLES MOUNTED AT 18" AFF TO CENTER. THE ELECTRICAL CONTRACTOR SHALL FURNISH RED #CRB5362RED RECEPTACLES (PASS & SEYMOUR). CUT AND PATCH FLOOR AS REQUIRED TO ROUTE CONDUIT TO WALL AS SHOWN. ROUTE UP INSIDE WALL TO CEILING SPACE AND CONNECT TO PANEL LOCATED INSIDE IFS ENCLOSURE. REFER TO POWER PLAN AND PANEL SCHEDULES FOR CIRCUIT DESIGNATIONS.
2. DUPLEX RECEPTACLE. STUB UP 1-1/2" CONDUIT 1" (A.F.F.) WHERE SHOWN ON DETAIL. INSTALL FLEXIBLE CONDUIT FROM STUB-UP TO JUNCTION BOX AND CONNECT TO DUPLEX RECEPTACLES MOUNTED AT 18" AFF TO CENTER. CUT AND PATCH FLOOR AS REQUIRED TO ROUTE UP INSIDE WALL TO CEILING SPACE AND BACK TO PANEL AS INDICATED ON POWER PLAN. USE THIS RECEPTACLE FOR CASHWRAP LIGHTING POWER.
3. STUB UP 1-1/2" CONDUIT 1" (A.F.F.). INSTALL FLEXIBLE CONDUIT FROM STUB-UP TO 4X4 JUNCTION BOXES FOR DATA AND TELEPHONE. CUT AND PATCH FLOOR AS REQUIRED TO ROUTE CONDUIT TO WALL AS SHOWN. ROUTE UP IN WALL TO CEILING SPACE AND CONNECT TO NETWORK CABINET. WIRE FOR DATA LINES TO BE PULLED AND CONNECTED BY P.O.S. CONTRACTOR. IF CONDUIT IS LOCATED BELOW SLAB, INCREASE CONDUIT SIZE TO ACCOMMODATE CABLING RATED FOR WET LOCATIONS.
4. INSTALL BUTTON FOR LVAN SYSTEM INSIDE CASHWRAP. COORDINATE EXACT LOCATION WITH BBWI'S PROJECT MANAGER.
5. EC SHALL FURNISH AND INSTALL BLACK DUPLEX RECEPTACLE IN 2" DEEP OLD WORK SWITCH BOX WITH INTEGRAL SUPPORTS AND A BLACK SINGLE GANG COVERPLATE AT LOCATION OF PRE-CUT HOLE ON EXPOSED SIDES OF CASHWRAP FOR SEASONAL P.O.S. STATION.

GENERAL NOTES

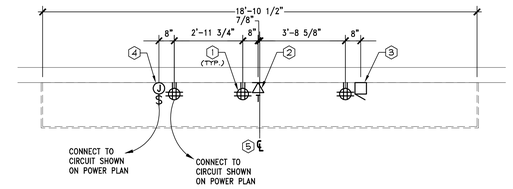
1. WIRING DEVICES ARE SHOWN FOR REFERENCE ONLY. COORDINATE FINAL INSTALLATION LOCATION WITH BBWI PROJECT MANAGER IN FIELD.
2. DATA TERMINALS AND CONNECTIONS BY P.O.S. CONTRACTOR.
3. RUN METAL CLAD (MC) CABLE TO EACH RECEPTACLE FROM JUNCTION BOXES THRU WIREWAY WITHIN CASHWRAP COUNTER.
4. WIRING FROM CONDUIT STUB-UPS TO JUNCTION BOXES ARE TO BE RUN IN FLEXIBLE CONDUIT.
5. LABEL AND TAG ALL PULLWIRE RUNS AT EACH END WITH ORIGIN/DESIGNATION.
6. IF FRONT PORTION OF CASHWRAP IS ADJACENT TO A WALL, CONTRACTOR SHALL ROUTE CONDUIT FROM THE BACKWRAP TO THE FRONT CASHWRAP THROUGH THE WALL ADJACENT TO CASHWRAP INSTEAD OF ROUTING THROUGH FLOOR.

CASHWRAP DETAIL - XXCW8R-VXX-XX

3/8" = 1'-0"
41D-E0401-G05-XXCW8R
G 04/30/202

PRCTI20221802

BACKWRAP COUNTER DETAIL
18.9' BACKWRAP



BACKWRAP & TELE/DATA SYSTEM NOTES

1. QUAD RECEPTACLE INSTALLED AT 15" A.F.F. DIRECTLY BEHIND CUTOUT IN BACKWRAP FOR UTILITY POWER. CONNECT TO CIRCUIT AS SHOWN ON POWER PLAN.
2. TELEPHONE OUTLET ON INSIDE OF BACKWRAP UNIT INSTALLED AT 15" A.F.F. PROVIDE 3/4" TELEPHONE CONDUIT WITH PULLWIRE TO TELEPHONE BOARD. TELEPHONE WIRE AND #RJ14C JACK BY OTHERS.
3. EDWARDS BUZZER INSTALLED BY ELECTRICAL CONTRACTOR AT 15" A.F.F. SEE POWER PLAN FOR ADDITIONAL INFORMATION.
4. FOR HARDWIRED ILLUMINATED FABRIC SCREEN, PROVIDE JUNCTION BOX AND TOGGLE DISCONNECT SWITCH AT 12" A.F.F. CONNECT TO DEDICATED CIRCUIT AS SHOWN ON POWER PLAN. (IF APPLICABLE)
5. CENTERLINE OF BACKWRAP CABINET.

GENERAL NOTES

1. WIRING DEVICES ARE SHOWN FOR REFERENCE ONLY. COORDINATE FINAL INSTALLATION LOCATION WITH BBWI PROJECT MANAGER IN FIELD.
2. DATA TERMINALS AND CONNECTIONS BY P.O.S. CONTRACTOR.
3. LABEL AND TAG ALL PULLWIRE RUNS AT EACH END WITH ORIGIN/DESIGNATION.

BACKWRAP DETAIL - XX18.9-XX-XX

3/8" = 1'-0"
41D-E0401-C05-XXBW18.9
C 04/30/202

Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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20221012.0

PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE:
GENERATION:
A/E PROJECT #:

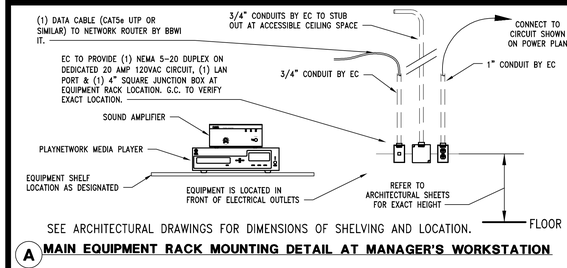
REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - POR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: RDW
DRAWN BY: TBA
CHECKED BY: JH

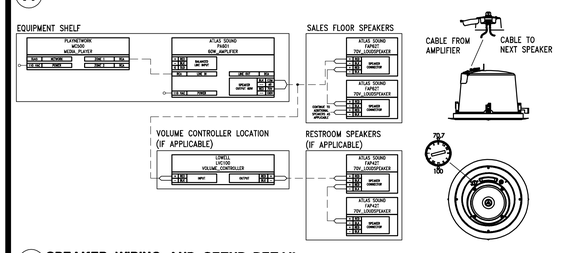
ELECTRICAL DETAILS

DRAWING NUMBER:
E04.01

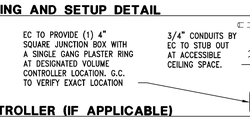


SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF SHELVING AND LOCATION.

A MAIN EQUIPMENT RACK MOUNTING DETAIL AT MANAGER'S WORKSTATION



B SPEAKER WIRING AND SETUP DETAIL



NOTE: ONLY USED FOR STORES WITH RESTROOM SPEAKERS.

C VOLUME CONTROLLER (IF APPLICABLE)

MUSIC SYSTEM GENERAL NOTES

1. ANY CONDUIT DESIGNATED FOR 70V SPEAKER CABLES SHALL ONLY CONTAIN SUCH TYPE. NO OTHER LOW VOLTAGE CABLES/WIRE SHALL BE BUNDLED WITH OR IN A SHARED CONDUIT WITH 70V SPEAKER CABLES.
2. ALL AUDIO CABLES SHALL BE PROVIDED AND INSTALLED AS INDICATED ON RESPONSIBILITY SCHEDULE. AUDIO CABLES SHALL BE PROVIDED BY MS VENDOR PRIOR TO CEILING ROUGH-IN FOR INSTALLATION BY EC. ALL DATA CABLES AND LAN PORTS SHALL BE PROVIDED AND INSTALLED BY TELECOMMUNICATION VENDOR.
3. ALL SPEAKERS SHALL BE MANUALLY SET TO THE 8W (70.7V) TAP SETTING. THE TAP DIAL IS LOCATED ON THE SPEAKER FACE UNDER THE SPEAKER GRILLE. ALL SPEAKERS WITHIN 10'-0" OF A CASHWRAP SHALL BE TAPPED AT 3.8W AS NOTED ON MS VENDOR'S SHOP DRAWINGS.
4. ALL AUDIO SPECIFIC CABLES SHALL BE INSTALLED BY EC PER WIRING AND SETUP DETAIL WITHOUT ANY DEVIATIONS. SPEAKERS SHALL BE DAISY-CHAINED WHERE INDICATED. CABLE HOMERUNS TO AUDIO EQUIPMENT CABINET SHALL BE PULLED INTO CABINET AND PROPERLY IDENTIFIED. CABLES SHALL THEN BE TERMINATED TO EQUIPMENT BY MS VENDOR.
5. GC SHALL INSTALL SPEAKER PRE-INSTALLED BRACKETS FOR ALL SPEAKERS AND SUBWOOFERS IN GYPSUM WALLBOARD CEILINGS. PRE-INSTALL BRACKETS SHALL BE PROVIDED BY MS VENDOR PRIOR TO CEILING ROUGH IN.
6. EC SHALL INSTALL MUSIC ON HOLD CABLE AS SHOWN ON THE MS VENDOR'S SHOP DRAWINGS. INSTALLER SHALL LEAVE A 4' CABLE LOOP ON BOTH ENDS AND SHALL CLEARLY MARK CABLE AS "MUSIC ON HOLD". CABLE TO BE INSTALLED BETWEEN AUDIO CABINET AND TELEPHONE BOARD. MS VENDOR SHALL TERMINATE CABLE TO AUDIO EQUIPMENT AND TELECOMMUNICATION VENDOR SHALL TERMINATE TO TELEPHONE EQUIPMENT. TELECOMMUNICATION VENDOR SHALL PROVIDE AND INSTALL AN FCL TX-1A (OR SIMILAR) IN-LINE AT THE TELEPHONE BOARD FOR ANY NECESSARY SIGNAL ATTENUATION.

MUSIC SYSTEM INSTALLATION DETAILS - SYSTEM 1

1/2" = 1'-0"
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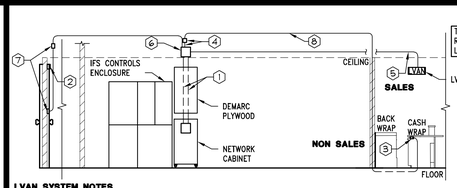
N 12/22/17



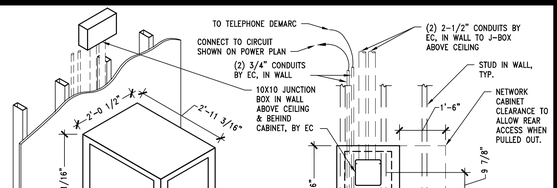
THIS DETAIL IS DIAGRAMMATIC. REFER TO PLAN FOR ACTUAL LOCATION OF ELEMENTS.

LVAN SYSTEM NOTES

1. (2) 2-1/2" CONDUITS AND PULL STRING IN WALL FROM 10X10 JUNCTION BOX BEHIND NETWORK CABINET TO 10X10 JUNCTION BOX ABOVE CEILING OF DEMARC ZONE.
2. PROVIDE DOOR CONTACTOR AT REAR EXIT DOOR.
3. LVAN SYSTEM PUSH-BUTTON TO BE INSTALLED INSIDE OF CASHWRAP AT END OF CASHWRAP CLOSEST TO SALE-TO-NONSALES DOOR.
4. PROVIDE 4X4 JUNCTION BOX ABOVE CEILING OF NETWORK CABINET CONNECTED TO 10X10 JUNCTION BOX WITH 3/4" CONDUIT AND PULLSTRING.
5. IF REQUIRED BY LOCAL CODE, FURNISH AND INSTALL 4X4 JUNCTION BOX AT EACH LVAN DEVICE (PLASTER RING NOT REQUIRED) WITH 1/2" CONDUIT BACK TO 10X10 J-BOX.
6. 10X10 JUNCTION BOX ABOVE CEILING. E.C. TO DETERMINE BOX DEPTH BASED ON THE NUMBER OF 1/2" CONDUIT ENTRIES REQUIRED. 1 ENTRY PER CAMERA ON ALL 3 SIDES. 4TH SIDE IS FOR THE 2-1/2" CONDUITS.
7. KEYPAD PROVIDED AT LATCH SIDE OF BACKDOOR MOUNTED WITH TOP AT 48" A.F.F. PROVIDE 4X4 JUNCTION BOX ABOVE CEILING AT KEYPAD LOCATION WITH 1/2" CONDUIT AND PULLSTRING DOWN WALL TERMINATING NO LOWER THAN 50" A.F.F. CONTROLLER DEVICE IS MOUNTED TO THE FACE OF THE JUNCTION BOX. CONNECT 4X4 JUNCTION BOX TO 10X10 JUNCTION BOX ABOVE DEMARC ZONE WITH 1/2" CONDUIT AND PULLSTRING. ENSURE THAT A MINIMUM 18X18 ACCESS PANEL IS PROVIDED IN CEILING FOR CONTROLLER.
8. PROVIDE 1-1/2" CONDUIT AND PULLSTRING FROM 4X4 JUNCTION BOX TO BE STUBBED UP INTO CASHWRAP FOR PUSH-BUTTON INSTALLATION. (CONDUIT SHALL RUN ADJACENT TO OTHER CONDUIT IN CASHWRAP).

LVAN SYSTEM

3/16" = 1'-0"
42D-E0402-K00-LVAN
K 08/09/18



A NETWORK CABINET MOUNTING DETAIL

NOTE: PROVIDE MINIMUM OF 3' SERVICE LOOP TO ALLOW CABINET TO BE PULLED OUT FOR MAINTENANCE.

NOTE: USE MANUFACTURER'S SHOP DRAWINGS FOR FINAL INSTALLATION. CABINET CAN BE ORDERED TO SWING IN EITHER DIRECTION.

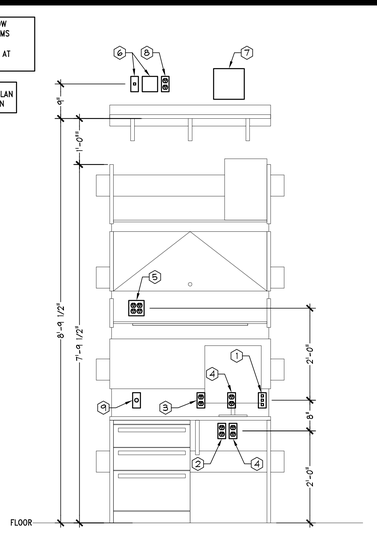
NOTE: CABINET MUST BE IN PLACE PRIOR TO HVAC START UP. BASE PLATE CAN REMAIN LOOSE UNTIL FLOORING IS COMPLETE.

NETWORK CABINET INSTALLATION DETAIL

1/2" = 1'-0"
42D-E0402-S00-NETCAB
F 08/10/18

FOR INFORMATION REGARDING LOW VOLTAGE AND TELEPHONE SYSTEMS CONTACT STORE SYSTEMS IMPLEMENTATION SUPPORT (LTS) AT 1-877-415-5285.

REFER TO ELECTRICAL POWER PLAN SHEET FOR CIRCUIT INFORMATION

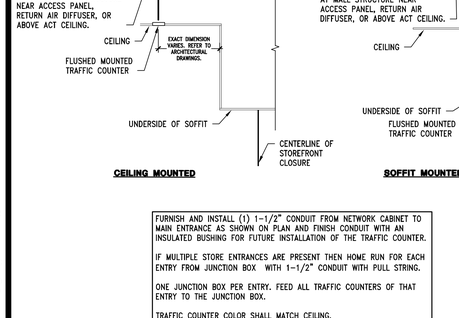


MANAGER'S WORKSTATION NOTES

1. JUNCTION BOX FOR DATA, TELEPHONE, FAX, AND POLLING. INSTALL EMPTY 1" CONDUIT, WITH PULLWIRE, BACK TO NETWORK CABINET. DATA/TELEPHONE WIRE AND COVERPLATE BY OTHERS.
2. DEDICATED, ALWAYS ON, GREEN, DUPLEX RECEPTACLE (PASS & SEYMOUR MODEL #: 5362GN) FOR COMPUTER TERMINAL, IN A SINGLE 1/2" CONDUIT BACK TO PANELBOARD SECTION OF IFS ENCLOSURE. COVERPLATE SHALL BE WHITE. DO NOT SHARE ANY PART OF THIS CIRCUIT WITH ANY OTHER BRANCH CIRCUITS.
3. USB CHARGER RECEPTACLE TO BE LOCATED IN A COMMON AREA ON WORK STATION. GENERAL RECEPTACLE SHALL BE CONTROLLED BY TIME OF DAY SWITCHED CIRCUIT. LABEL RECEPTACLE AS "CONTROLLED".
4. ALWAYS ON, GREEN, DUPLEX RECEPTACLE (PASS & SEYMOUR MODEL #: 5362GN) FOR UTILITY POWER, IN A SINGLE 1/2" CONDUIT BACK TO PANELBOARD SECTION OF IFS ENCLOSURE. COVERPLATE SHALL BE WHITE.
5. DEDICATED, ALWAYS ON, GREEN, QUAD RECEPTACLE (PASS & SEYMOUR MODEL #: 5362GN) FOR WALKIE TALKIE, IN A SINGLE 1/2" CONDUIT BACK TO PANELBOARD SECTION OF IFS ENCLOSURE. COVERPLATE SHALL BE WHITE.
6. 4X4 J-BOX W/ PULL-WIRE AND DATA CONNECTION BOX FOR MUSIC SYSTEM.
7. 8X8 J-BOX W/ PULL-WIRE FOR MUSIC SYSTEM.
8. DEDICATED DUPLEX RECEPTACLE FOR MUSIC SYSTEM, IN A SINGLE 1/2" CONDUIT BACK TO PANELBOARD SECTION OF IFS ENCLOSURE.
9. PROVIDE 4" SQUARE JUNCTION BOX WITH SINGLE GANG PLASTER RING FOR VOLUME CONTROL. PROVIDE 3/4" EMPTY CONDUIT WITH PULL STRING TO MUSIC SYSTEM.

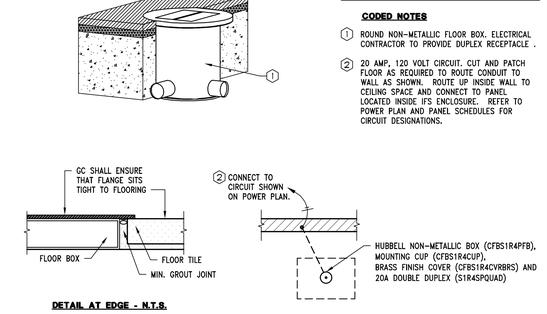
MANAGER'S WORKSTATION WITH MUSIC ONLY SYSTEM ABOVE

3/4" = 1'-0"
42D-E0402-A01-MANG
A 05/20/22



TRAFFIC COUNTER DETAIL

1/2" = 1'-0"
42D-E0402-J00-TRAF
J 06/20/19



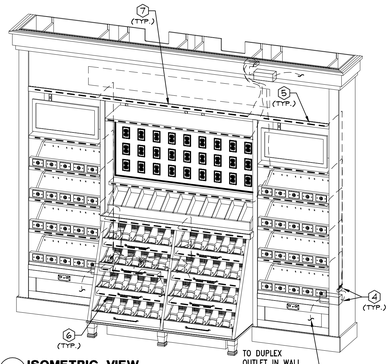
CODED NOTES

1. ROUND NON-METALLIC FLOOR BOX. ELECTRICAL CONTRACTOR TO PROVIDE DUPLEX RECEPTACLE .
2. 20 AMP, 120 VOLT CIRCUIT. CUT AND PATCH FLOOR AS REQUIRED TO ROUTE CONDUIT TO WALL AS SHOWN. ROUTE UP INSIDE WALL TO CEILING SPACE AND CONNECT TO PANEL LOCATED INSIDE IFS ENCLOSURE. REFER TO POWER PLAN AND PANEL SCHEDULES FOR CIRCUIT DESIGNATIONS.

DETAIL AT EDGE - N.T.S.

SLAB-ON-GRADE FLOORBOX RECEPTACLE

3" = 1'-0"
42D-E0402-E00-RECP
E 10/26/18

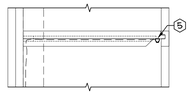


1 ISOMETRIC VIEW
4 BAY WALLFLOWER FOCAL

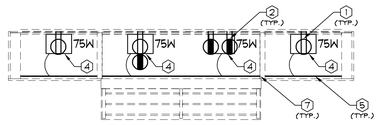
WBC WALLFLOWER GABLE CABINET – TALL 4 BAY WIRING NOTES

1. DUPLEX RECEPTACLE IN WALL. REFER TO POWER PLAN FOR LOCATIONS.
2. DEDICATED DUPLEX RECEPTACLE IN WALL FOR WALLFLOWER DISPLAY PANEL. CIRCUIT SHALL BE DEDICATED TO WALLFLOWER CABINET.
3. ILLUMINATED SIGN (IF APPLICABLE) SHALL BE PLUGGED INTO QUAD RECEPTACLE.
4. 75W LED PLUG–IN POWER SUPPLY WITH 12–WAY DISTRIBUTOR. LOCATE DRIVER/DISTRIBUTOR IN VOID BEHIND BASE CABINET DRAWER AND SECURE TO REAR SURFACE – OR – IN CAVITY ON TOP OF THE CABINET.
5. LED LIGHTING. MOUNT (1) 24" LED STRIP TO THE UNDERSIDE OF EACH OF THE (4) SHELVES AND (1) 24" LED STRIP AT THE TOP OF THE CABINET.
6. LED LIGHTING. MOUNT (1) 24" LED STRIP TO THE UNDERSIDE OF EACH OF THE (4) BASE SHELVES.
7. LED LIGHTING. MOUNT (2) 24" LED STRIPS AND (1) 12" LED STRIP TO THE UNDERSIDE OF EACH OF THE (2) SHELVES AND AT THE TOP OF THE CABINET.
8. OWNER PROVIDED WALLFLOWER DISPLAY PANEL, WITH PRE–INSTALLED DUPLEX RECEPTACLES. RECEPTACLES ARE PRE–WIRED FOR (2) 15A CIRCUITS, EACH WITH THEIR OWN ENCLOSED 15A CIRCUIT BREAKER, AND PLUG IN CONNECTION. EC SHALL PLUG IN WALLFLOWER DISPLAY PANEL TO DEDICATED RECEPTACLES ABOVE FOCAL CABINET.

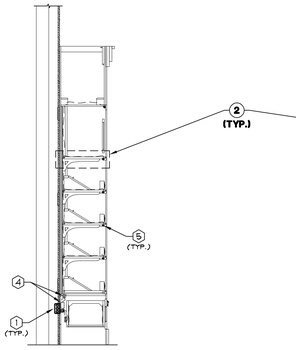
NOTE:
EACH SHELF WILL COME PRE–WIRED WITH CORD TO CONNECT LIGHT TO POWER SUPPLY.



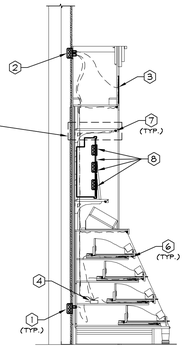
2 ENLARGED SECTION VIEW
SHELF W/ LIGHT FED THRU



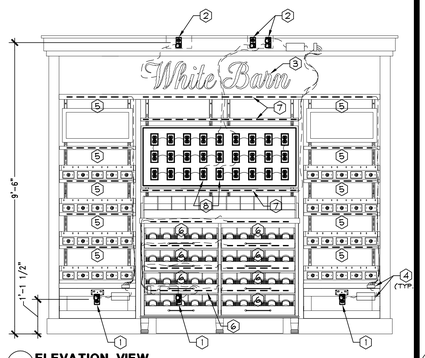
3 PLAN VIEW
TALL 4 BAY WALLFLOWER GABLE



4 SECTION VIEW
TALL 4 BAY WALLFLOWER FOCAL WINGS



5 SECTION VIEW
TALL 4 BAY WALLFLOWER FOCAL



6 ELEVATION VIEW
TALL 4 BAY WALLFLOWER FOCAL

WBC WALLFLOWER FOCAL CABINET - TALL 4 BAY WIRING DETAIL

1/2" = 1'-0" | 43D-E0404-D00-DETL | L | 04/30/21

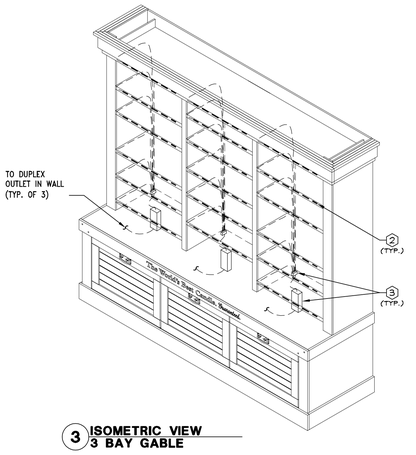
WBC GABLE CABINET – 3 BAY WIRING NOTES

1. QUAD RECEPTACLE IN WALL. REFER TO POWER PLAN FOR LOCATIONS.
2. LED LIGHTING. WITHIN EACH 30" CABINET BAY, MOUNT (1) 24" LED STRIP TO THE UNDERSIDE OF EACH OF THE (5) SHELVES AND (1) 24" LED STRIP AT THE TOP OF THE CABINET. FEED WIRES INTO ELECTRICAL CHASE ON SIDE OF CABINET DOWN TO POWER SUPPLY.
3. 75W LED PLUG–IN POWER SUPPLY WITH 12–WAY DISTRIBUTOR. LOCATE DRIVER/DISTRIBUTOR IN VOID BEHIND BASE CABINET DRAWER AND SECURE TO REAR SURFACE.
4. DUPLEX RECEPTACLE IN WALL. REFER TO POWER PLAN FOR LOCATIONS.
5. LIGHTING AT TOP OF CABINET TO BE FED UP THROUGH HOLE, ACROSS TOP OF CABINET, BACK DOWN THROUGH HOLE INTO ELECTRICAL CHASE AND DOWN TO POWER SUPPLY BELOW.

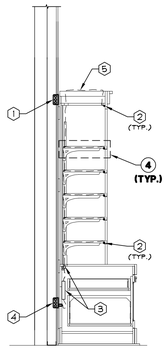
NOTE:
EACH SHELF WILL COME PRE–WIRED WITH CORD TO CONNECT LIGHT TO POWER SUPPLY.

NOTE:
EACH BAY OF A GABLE CABINET (WBMGCx–xx–Vxx) WILL EACH HAVE THE SAME LIGHTING COMPONENTS AS SHOWN. REFER TO THIS DETAIL FOR ALL GABLE CABINETS OTHER THAN TALL GABLE CABINETS.

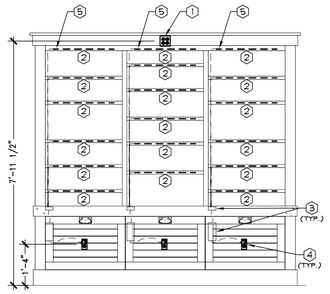
NOTE:
THIS DETAIL APPLIES TO THE STANDARD DEPTH FIXTURE (SHOWN HERE), AS WELL AS THE SHALLOW FIXTURE VERSION.



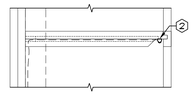
3 ISOMETRIC VIEW
3 BAY GABLE



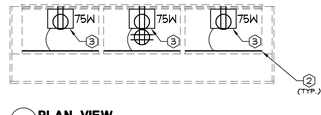
1 SECTION VIEW
3 BAY GABLE



2 ELEVATION VIEW
3 BAY GABLE



4 ENLARGED SECTION VIEW
SHELF W/ LIGHT FED THRU



5 PLAN VIEW
3 BAY GABLE

WBC GABLE CABINET - 3 BAY WIRING DETAIL

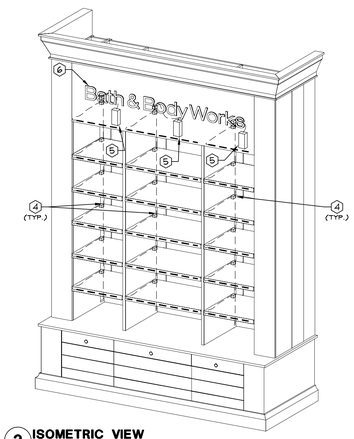
1/2" = 1'-0" | 43D-E0404-C00-DETL | C | 04/30/21

BBW FOCAL CABINET – 3 BAY WIRING NOTES

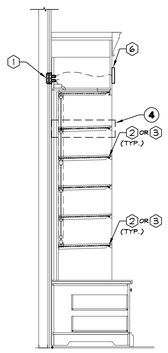
1. QUAD RECEPTACLE IN WALL. REFER TO POWER PLAN FOR LOCATIONS.
2. LED LIGHTING. WITHIN EACH 20" CABINET BAY, MOUNT (1) 16" LED STRIP TO THE UNDERSIDE OF EACH OF THE (5) SHELVES AND (1) 16" LED STRIP AT THE TOP OF THE CABINET.
3. LED LIGHTING. WITHIN EACH 30" CABINET BAY, MOUNT (1) 16" & (1) 12" LED STRIP LINKED TOGETHER TO THE UNDERSIDE OF EACH OF THE (5) SHELVES AND AT THE TOP OF THE CABINET.
4. LED LIGHTING IS POWERED FROM SMART TRACK SYSTEM MOUNTED IN THE CHANNEL, IN REAR LEFT CORNER OF EACH CABINET BAY. RUN WIRE THROUGH SHELF AND CONNECT TO FIXTURE. REFER TO LIGHTING PLAN AND FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
5. 60W LED PLUG–IN POWER SUPPLY FOR EACH CABINET BAY. LOCATE DRIVER IN VOID BEHIND CABINET HEADER.
6. ILLUMINATED SIGN (IF APPLICABLE) SHALL BE PLUGGED INTO QUAD RECEPTACLE.

NOTE:
THE 3 BAYS OF A LARGE 3 BAY FOCAL CABINET (BWXFC3L–VXX–XX) WILL EACH HAVE THE SAME LIGHTING COMPONENTS AS SHOWN IN CENTER BAY OF THE SMALL 3 BAY FOCAL CABINET (BWXFC3S–VXX–XX).

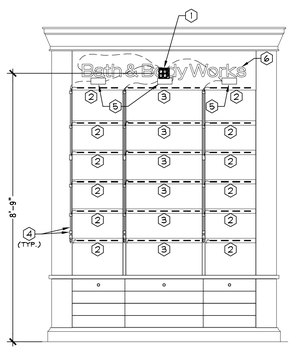
NOTE:
THIS DETAIL APPLIES TO THE STANDARD DEPTH FIXTURE (SHOWN HERE), AS WELL AS THE SHALLOW FIXTURE VERSION.



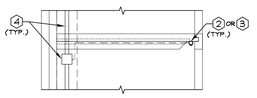
3 ISOMETRIC VIEW
SMALL 3 BAY FOCAL



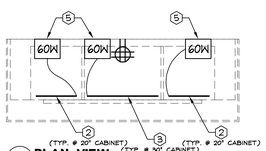
1 SECTION VIEW
SMALL 3 BAY FOCAL



2 ELEVATION VIEW
SMALL 3 BAY FOCAL



4 ENLARGED SECTION VIEW
SHELF W/ LIGHT FED THRU



5 PLAN VIEW
SMALL 3 BAY FOCAL

BBW FOCAL CABINET - SMALL/LARGE 3 BAY WIRING DETAIL

1/2" = 1'-0" | 42D-E0402-J01-DETL | J | 01/31/22

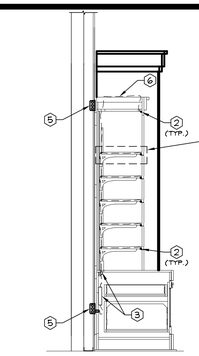
WBC GABLE CABINET – TALL 5 BAY WIRING NOTES

1. QUAD RECEPTACLE IN WALL. REFER TO POWER PLAN FOR LOCATIONS.
2. LED LIGHTING. WITHIN EACH 30" CABINET BAY, MOUNT (1) 24" LED STRIP TO THE UNDERSIDE OF EACH OF THE (5) SHELVES AND (1) 24" LED STRIP AT THE TOP OF THE CABINET. FEED WIRES INTO ELECTRICAL CHASE ON SIDE OF CABINET DOWN TO POWER SUPPLY.
3. 75W LED PLUG–IN POWER SUPPLY WITH 12–WAY DISTRIBUTOR. LOCATE DRIVER/DISTRIBUTOR IN VOID BEHIND BASE CABINET DRAWER AND SECURE TO REAR SURFACE.
4. ILLUMINATED SIGN (IF APPLICABLE) SHALL BE PLUGGED INTO QUAD RECEPTACLE.
5. DUPLEX RECEPTACLE IN WALL. REFER TO POWER PLAN FOR LOCATIONS.
6. LIGHTING AT TOP OF CABINET TO BE FED UP THROUGH HOLE, ACROSS TOP OF CABINET, BACK DOWN THROUGH HOLE INTO ELECTRICAL CHASE AND DOWN TO POWER SUPPLY BELOW.

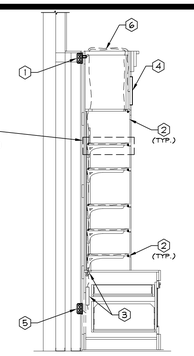
NOTE:
EACH SHELF WILL COME PRE–WIRED WITH CORD TO CONNECT LIGHT TO POWER SUPPLY.

NOTE:
EACH BAY OF A GABLE CABINET (WBMGCx–xx–Vxx) WILL EACH HAVE THE SAME LIGHTING COMPONENTS AS SHOWN. REFER TO THIS DETAIL FOR ALL TALL GABLE CABINETS.

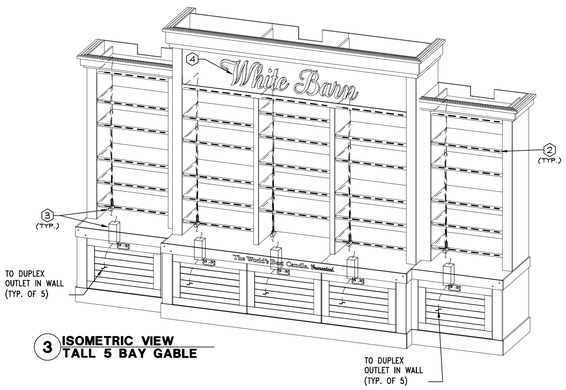
NOTE:
THIS DETAIL APPLIES TO THE STANDARD DEPTH FIXTURE (SHOWN HERE), AS WELL AS THE SHALLOW FIXTURE VERSION.



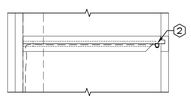
1 SECTION VIEW
TALL 5 BAY GABLE WINGS



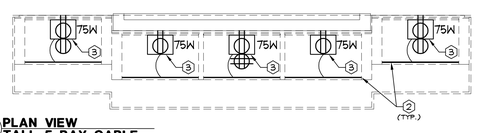
2 SECTION VIEW
TALL 5 BAY GABLE



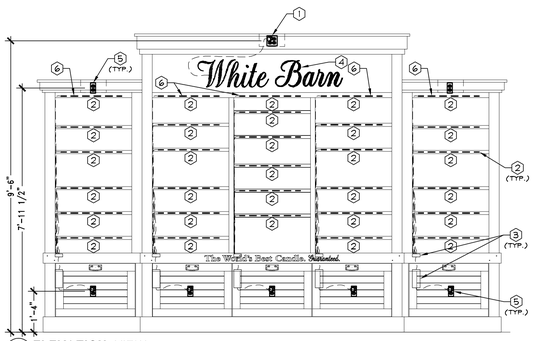
3 ISOMETRIC VIEW
TALL 5 BAY GABLE



4 ENLARGED SECTION VIEW
SHELF W/ LIGHT FED THRU



5 PLAN VIEW
TALL 5 BAY GABLE



6 ELEVATION VIEW
TALL 5 BAY GABLE

WBC GABLE CABINET - TALL 5 BAY WIRING DETAIL

PRCTI20221802

1/2" = 1'-0" | 43D-E0404-A00-DETL | A | 04/30/21

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CONSULTING ENGINEERS
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104.01.0737.01

PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082

SIS PKG 2
231So.00
20221012.0

PACKAGE:
GENERATION:
A/E PROJECT #:

REVISIONS:

	REQUIRED BY:	DATE:
1	REVI – PER REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: RDW
DRAWN BY: TBA
CHECKED BY: JH

ELECTRICAL DETAILS

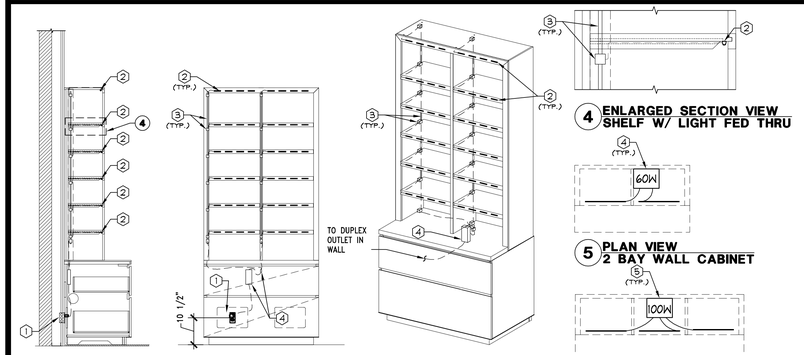
DRAWING NUMBER:
E04.02

SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NUMBER	LAMP	WATTAGE
A7	4" RECESSED LED DOWNLIGHT, 2700K, 1200 LUMENS, MEDIUM REFLECTOR BEAM WITH SILVER CONE AND WHITE FLANGE, WITH EMERGENCY BALLAST, 120V, DIMMABLE VIA 0-10V	ELITE: L-HH4-LED-1200L-DIM10-120-MD -27K-85-EMG-LED (HOUSING) ELITE: L-HH4-4501-CL-WH	1-17 WATT INTEGRAL 2700K PHILIPS LUMILED, 85 CRI, 50,000 HRS.	17 WATTS
BJ5	3" ROUND FIXED DOWNLIGHT, SILVER FLANGE, 3000K, 25 DEGREE FLOOD BEAM, 120V, DIMMABLE VIA 2-WIRE REVERSE PHASE (ELV)	SOLAIS: LBR3DNC (HOUSING) SOLAIS: LBR3-DC-SV-SV (TRIM) SOLAIS: LB20/25C/30K/1100/BK (LED MODULE)	1-15 WATT INTEGRAL 3000K LED, 83 CRI, 50,000 HR, MFG CREE	15 WATTS
CC	CERAMIC METAL HALIDE TRACKHEAD, INTERGRAL ELECTRONIC BALLAST, CLEAR REFLECTOR, SNOOT, WHITE FINISH, BLACK SWITCH	AMERLUX:CYLT20T4GU6.5-E-WT-TJ1-120-FL-UBP-SN WT BLACK SWITCH	20 WATT, CERAMIC METAL HALIDE, T4, GU6.5 TAL BASE 3000K, 80CRI	25 WATTS
EA2	2 HEADED FULLY-RECESSED LED MULTIPLE FIXTURE, SILVER FINISH, 3000K, (2) 25 DEGREE BEAMS, WITH HEXCELL LOUVERS, 120V, DIMMABLE VIA 2-WIRE REVERSE PHASE (ELV)	SOLAIS: LB12-SV (HOUSING) SOLAIS: LBFR12-SV-SV (TRIM) SOLAIS: (2) LB20/25C/30K/1100/SV/HL (LED MODULE)	2-15 WATT INTEGRAL 3000K LED, 83 CRI, 50,000 HRS., MFG CREE	30 WATTS
EA3	2 HEADED SEMI-RECESSED LED MULTIPLE FIXTURE, WHITE FINISH, 3000K, (2) 40 DEGREE BEAMS, WITH HEXCELL LOUVERS, 120V, DIMMABLE VIA 2-WIRE REVERSE PHASE (ELV)	SOLAIS: LB12-WH (HOUSING) SOLAIS: LBSR12-WH-WH (TRIM) SOLAIS: (2) LB20/40W/30K/1450/WH/HL (LED MODULE)	2-17 WATT INTEGRAL 3000K LED, 83 CRI, 50,000 HRS., MFG CREE	34 WATTS
FE	4' SURFACE MOUNTED LED STRIP WITH HIGH TRANSMISSION WHITE ACRYLIC LENS, 3000K, 3300 LUMENS, 120V, DIMMABLE VIA 0-10V	MERCURY: LSA-4-3300-30K-HTA-1X-UNI	1-30 WATT, INTEGRAL LED, 3000K	30 WATTS
FH	4' SURFACE MOUNTED LED STRIP WITH HIGH TRANSMISSION WHITE ACRYLIC LENS, 3000K, 3300 LUMENS, WITH PHILIPS BODINE EMERGENCY DRIVER, 120V, DIMMABLE VIA 0-10V	MERCURY: LSA-4-3300-30K-HTA-1X-UNI-BSL310	1-30 WATT, INTEGRAL LED, 3000K	30 WATTS
FL	4' CHAIN HUNG LED STRIP WITH HIGH TRANSMISSION WHITE ACRYLIC LENS, 3000K, 3300 LUMENS, 120V, DIMMABLE VIA 0-10V	MERCURY: LSA-4-3300-30K-HTA-1X-UNI	1-30 WATT, INTEGRAL LED, 3000K	30 WATTS
FM	4' CHAIN HUNG LED STRIP WITH HIGH TRANSMISSION WHITE ACRYLIC LENS, 3000K, 3300 LUMENS, WITH PHILIPS BODINE EMERGENCY DRIVER, 120V, DIMMABLE VIA 0-10V	MERCURY: LSA-4-3300-30K-HTA-1X-UNI-BSL310	1-30 WATT, INTEGRAL LED, 3000K	30 WATTS
PB	14" OLD BRONZE AND GLASS PENDANT, CLER GLASS WITH MEDIUM BASE SOCKET BULB INCLUDED	HUDSON VALLEY: 7214-OB	INCLUDED	60 WATTS
PR	DECORATIVE PENDANT WHITE FINISH WITH 18" WHITE STEM 25 WATT MAX STICKER DIMMABLE VIA INCANDESCENT LOAD & 48" LEAD WIRE	HOLOPHANE: (FIXTURE) PON3DDN1292W2AL-WH-25W	9.5 WATT DIMMABLE LED A19 LAMP 2200K-2700K E26 BASE 80 CRI 25,000 HOURS	10 WATTS
PS	18" DIAMETER DECORATIVE PENDANT CLEAR ACRYLIC DOME WITH BLACK FINISH HARDWARE AND 16.5" STEM ALSO BLACK FINISH	BASELITE: RP16/41/LL16/ST16.5/SLC/150WATT INC	9.5 WATT DIMMABLE LED A19 LAMP 2200K-2700K E26 BASE 80 CRI 25,000 HOURS	150 WATTS
SD2	BBW 20" CABINET 16" MAGNETIC LINKABLE LED LIGHTS, 4000K, WITH ALL ACCESSORIES FOR TRACK PLUG AND PLAY SYSTEM, 120V	JESCO: (6) SG01-16/40-MAG JESCO: (1) ST-T-5-WH JESCO: (6) ST-PF-O-WH JESCO: (6) SG01-CC-24-W JESCO: (1) DL-PS-EXT48-WH JESCO: (1) ST-PF-I-WH JESCO: DL-PS-2Y (WHEN NEEDED) JESCO: DL-PS-3Y (WHEN NEEDED)	6-4 WATTS, 80 CRI, 50,000 HR MFG: JESCO	SEE WATTAGE & QUANTITY OF POWER SUPPLY USED ON SHEET E03.01
SD5	BBW 20" BLUE CABINET 16" MAGNETIC LINKABLE LED LIGHTS, 4000K, WITH ALL ACCESSORIES FOR TRACK PLUG AND PLAY SYSTEM, BLACK CORD, 120V	JESCO: (6) SG01-16/40-MAG JESCO: (1) ST-T-5-WH JESCO: (6) ST-PF-O-WH JESCO: (6) SG01-CC-24-BK JESCO: (1) DL-PS-EXT48-WH JESCO: (1) ST-PF-I-WH JESCO: DL-PS-2Y (WHEN NEEDED) JESCO: DL-PS-3Y (WHEN NEEDED)	6-4 WATTS, 80 CRI, 50,000 HR MFG: JESCO	SEE WATTAGE & QUANTITY OF POWER SUPPLY USED ON SHEET E03.01
SF4	BBW 30" CABINET 16" & 12" MAGNETIC LINKABLE LED LIGHTS, 4000K, WITH ALL ACCESSORIES FOR TRACK PLUG AND PLAY SYSTEM, BLACK CORD, 120V	JESCO: (6) SG01-16/40-MAG JESCO: (6) SG01-12/40-MAG JESCO: (1) ST-T-5-WH JESCO: (6) ST-PF-O-WH JESCO: (6) SG01-CC-24-BK JESCO: (1) DL-PS-EXT48-WH JESCO: (1) ST-PF-I-WH	6-4 WATT LED, 6-3 WATT LED, 80 CRI 50,000 HR MFG: JESCO	SEE WATTAGE & QUANTITY OF POWER SUPPLY USED ON SHEET E03.01
SG1	WBC 4 BAY TALL WALLFLOWER CABINET LINEAR LINKABLE LED LIGHTS, 2700K, WITH SUPPLY AND CONNECTOR CORDS, 120V	FEELUX: (24) NDP7-27K-24V-C90 FEELUX: (3) NDP4-27K-24V-C90 FEELUX: (3) NDPPC8'-BK	24-7 WATT LED STICKS, 3-4 WATT LED STICKS, 2700K, 90 CRI, 50,000 HRS. MFG: FEELUX	SEE WATTAGE & QUANTITY OF POWER SUPPLY USED ON SHEET E03.01
SP2	CABINET LIGHTING POWER SUPPLY 75 WATT, 24V DC, PLUG AND PLAY POWER SUPPLY WITH 12 PORT TERMINAL BLOCK, WHITE FINISH. USED WITH FIXTURES: SG1,SG2,SM2,SM3,SY1,SW4,SW5, SZ2	FEELUX: FLC75-24V/XL	REFER TO E03.01 FOR QTY.- 75 WATTS MFG: FEELUX	75 WATTS
SR1	CABINET LIGHTING POWER SUPPLY 60 WATT, 24V DC, PLUG AND PLAY POWER SUPPLY, BLACK FINISH. USED WITH FIXTURES: SD2,SD3,SD4,SD5,SD6,SD7,SF4	JESCO: DL-PS-60/24	REFER TO E03.01 FOR QTY.- 60 WATTS MFG: JESCO	60 WATTS
SV1	WBC 1 BAY GABLE CABINET 1 BAY LINEAR LINKABLE LED LIGHTS WITH POWER SUPPLY AND CONNECTOR CORDS 2700K, 120V.	FEELUX: (6) NDPPC8'-BK FEELUX: (6) NDP7-27K-24V-C90	6-7 WATT LED STICKS, 2700K, 90 CRI 50,000 HRS. MFG: FEELUX	SEE WATTAGE & QUANTITY OF POWER SUPPLY USED ON SHEET E03.01
SZ2	WBC METAL TOWER LINEAR LINKABLE LED LIGHTS WITH POWER SUPPLY AND CONNECTOR CORDS 2700K, 120V.	FEELUX: (4) NDP11-27K-24V-C90 FEELUX: (2) NDPPC8'-BK	4-11 WATT LED STICKS, 2700K, 90 CRI 50,000 HRS. MFG: FEELUX	SEE WATTAGE & QUANTITY OF POWER SUPPLY USED ON SHEET E03.01
TU	SURFACE MOUNTED SINGLE CIRCUIT TRACK, SILVER FINISH. 120V.	LIGHTOLIER: 6000NAL, 6004NBAL, 6006NAL, 6008NAL (AS REQUIRED)	–	–
TUF	SURFACE MOUNTED FLEX CONNECTOR FOR SINGLE CIRCUIT TRACK, SILVER FINISH. 120V.	LIGHTOLIER: 6053NAL	–	–
TUL	SURFACE MOUNTED "L" CONNECTOR FOR SINGLE CIRCUIT TRACK, SILVER FINISH. 120V.	LIGHTOLIER: 6050NAL	–	–
U6	BBW-15 WATT, VERTICAL BALLAST, 25 DEGREE FLOOD TRACK FIXTURE, SILVER FINISH, 3000K, 120V, DIMMABLE VIA 2-WIRE FORWARD PHASE (MLV/TRIAC)	SOLAIS: LB20/25C/30K/1100/SV/L	1-15 WATT INTEGRAL 3000K, 83 CRI, 50,000 HRS MFG CREE:	15 WATTS
U8	BBW-15 WATT, VERTICAL BALLAST, 25 DEGREE FLOOD TRACK FIXTURE, SILVER FINISH, 3000K, WITH HEXCELL LOUVER, 120V, DIMMABLE VIA 2-WIRE FORWARD PHASE (MLV/TRIAC)	SOLAIS: LB20/25C/30K/1100/SV/L/HL	1-15 WATT INTEGRAL 3000K, 83 CRI, 50,000 HRS MFG CREE:	15 WATTS
UC	BBW-15 WATT, VERTICAL BALLAST, 15 DEGREE SPOT TRACK FIXTURE, SILVER FINISH, 3000K, WITH SNOOT, 120V, DIMMABLE VIA 2-WIRE FORWARD PHASE (MLV/TRIAC)	SOLAIS: LB20/15C/30K/1100/SV/L/TS	1-15 WATT INTEGRAL LED, 3000K, 83 CRI, 50,000 HRS., MFG: CREE	15 WATTS
UD	BBW-15 WATT, VERTICAL BALLAST, 15 DEGREE SPOT TRACK FIXTURE, SILVER FINISH, 3000K, WITH SNOOT AND HEXCELL LOUVER, 120V, DIMMABLE VIA 2-WIRE FORWARD PHASE (MLV/TRIAC)	SOLAIS: LB20/15C/30K/1100/SV/L/HL/TS	1-15 WATT INTEGRAL LED, 3000K, 83 CRI, 50,000 HRS., MFG: CREE	15 WATTS
WZ2	ONE LIGHT SHAW SCONCE AGED BRASS FINISH MEDIUM BASE SOCKET	HUDSON VALLEY: 1200-AGB	6 WATT E26 MEDIUM BASE T8	6 WATTS
WZ3	ONE LAMP WALL SCONCE AGED BRASS FINISH ADA COMPLIANT MEDIUM BASE SOCKET WITH LAMP INCLUDED	HUDSON VALLEY: 1201-AGB	75 WATT E26 T10 HALOGEN	75 WATTS
X6	THERMOPLASTIC EXIT SIGN, UNIVERSAL MOUNTING CEILING/WALL, LED LAMPS AND INTEGRAL BATTERY BACK UP FOR 90 MINUTES. 120V.	LIGHTALARMS: QLXN500R-N	1-3 WATT LED MFG: SUPPLIED WITH FIXTURE	3 WATTS
XK	FULLY RECESSED EMERGENCY LIGHT 90 MIN BATTERY BACK UP. BLACK FINISH 2 (25W) MR11 LAMPS. 120V	APERION: APAL-BLK-UI	2-4.5 WATT, INTEGRAL LED LAMPS	9 WATTS

NOTES:
1. ALL FIXTURES ARE FURNISHED BY BBWI UNLESS OTHERWISE NOTED.
2. ALL LIGHT FIXTURES AND WIRING METHODS WITHIN PLENUM CEILING SHALL BE "PLENUM APPROVED" AS PER LOCAL ORDINANCES.
3. ALL LIGHT FIXTURES WITH 'EM' AFTER FIXTURE DESIGNATION SHALL BE PROVIDED WITH AN EMERGENCY BALLAST, PRODUCING A MINIMUM OF 1000 LUMENS FOR ONE (1) 48" LAMP.
4. ALL FIXTURES SHALL BE 120 VOLT UNLESS OTHERWISE NOTED.

LIGHTING PLAN FIXTURE SCHEDULE

NTS | 42N-E0301-S00-NOTE | A 04/02/20



BBW WALL CABINET – 2 BAY WIRING NOTES

1. DUPLEX OUTLET IN WALL. REFER TO POWER PLAN FOR LOCATIONS.
2. LED LIGHTING. WITHIN EACH 20" CABINET BAY, MOUNT (1) 16" LED STRIP TO THE UNDERSIDE OF EACH OF THE (5) SHELVES AND (1) 16" LED STRIP AT THE TOP OF THE CABINET.
3. LED LIGHTING IS POWERED FROM SMART TRACK SYSTEM MOUNTED IN THE CHANNEL, IN REAR LEFT CORNER OF EACH CABINET BAY. RUN WIRE THROUGH SHELF AND CONNECT TO FIXTURE. REFER TO LIGHTING PLAN AND FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
4. 60W LED POWER SUPPLY WITH 2-WAY SPLITTER. LOCATE DRIVER/SPLITTER IN BASE OF CABINET BEHIND DRAWERS.
5. 100W LED POWER SUPPLY WITH 3-WAY SPLITTER. LOCATE DRIVER/SPLITTER IN BASE OF CABINET BEHIND DRAWERS.

NOTE:
THIS DETAIL APPLIES TO THE STANDARD DEPTH FIXTURE (SHOWN HERE), AS WELL AS THE SHALLOW FIXTURE VERSION.

NOTE:
HALF OF A 4 BAY WALL CABINET (BWWC4-V01-XX) WILL HAVE THE SAME LIGHTING COMPONENTS AS SHOWN IN THE 2 BAY WALL CABINET (BWWC2-V01-XX).

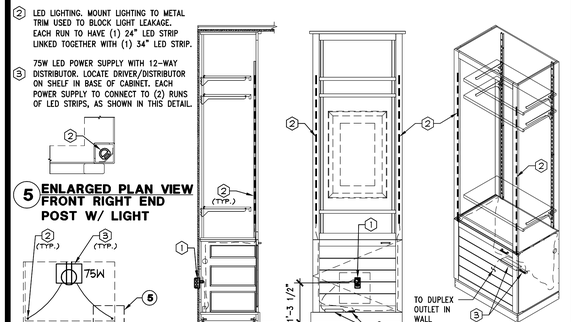
NOTE:
THE MINOR HALF OF A 5 BAY WALL CABINET (BWWC5-V01-XX) WILL HAVE THE SAME LIGHTING COMPONENTS AS SHOWN IN THE 2 BAY WALL CABINET (BWWC2-V01-XX). SEE 3 BAY WALL CABINET (BWWC3-V01-XX) WIRING DETAIL FOR MAJOR HALF LIGHTING COMPONENTS.

BBW WALL CABINET - 2 BAY WIRING DETAIL

1/2" = 1'-0" | 43D-E0403-J00-DETL | J 01/28/19

BBW/WBC ARMOIRE WIRING NOTES

1. DUPLEX OUTLET IN WALL. REFER TO POWER PLAN FOR LOCATIONS.
2. LED LIGHTING. MOUNT LIGHTING TO METAL TRIM USED TO BLOCK LIGHT LEAKAGE. EACH RUN TO HAVE (1) 24" LED STRIP LINKED TOGETHER WITH (1) 34" LED STRIP.
3. 75W LED POWER SUPPLY WITH 12-WAY DISTRIBUTOR. LOCATE DRIVER/DISTRIBUTOR ON SHELF IN BASE OF CABINET. EACH POWER SUPPLY TO CONNECT TO (2) RUNS OF LED STRIPS, AS SHOWN IN THIS DETAIL.



ARMOIRE WIRING DETAIL

1/2" = 1'-0" | 41D-E0401-L00-XXARM | K 05/06/21

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic
PRCTI20221802

Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 2315a.00
A/E PROJECT #: 20221012.0

PROJECT INFORMATION:

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 – PCR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: RDW
DRAWN BY: TBA
CHECKED BY: JH

ELECTRICAL DETAILS

DRAWING NUMBER: E04.03

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

PANELBOARD MDP

LOCATION: WR ENCLOSURE (IFS)

VOLTAGE 277/480V., 3PH, 4W
MOUNTING SURFACE
BUS RATING 200A

200A M.C.B
A.I.C.: 65,000A

NOTE	CCT NO.	LOAD DESCRIPTION	CB AMP	CB POLE	LOAD A	LOAD B	LOAD C	CB AMP	CB POLE	LOAD DESCRIPTION	CCT NO.	NOTE
HACR	1	RTU-1	40	3	11,085 16,904	11,085 16,904	11,085 16,904	70	3	RTU-2	2	HACR
	3	SPACE			0 0	0 0	0 0			SPACE		
	7	SPACE			0 21,505	0 20,650	0 13,811	125	3	TRANSFORMER	8	
		LOAD/PH: (NEC CONNECTED)			49,494	48,639	41,800			**TOTAL VA:** 139,932 VA		
		LCL @ 25% PER PHASE								**TOTAL AMPS:** 168 A		
		TOTAL LOAD/PH: (NEC DEMAND)			49,494	48,639	41,800					

NOTES:
ALL CIRCUITS BREAKERS TO BE 20 AMP, 1-POLE UNLESS OTHERWISE NOTED.

ACTUAL LOAD
A 49,494 kW
B 48,639 kW
C 41,800 kW
TOTAL 139,932 kW

NEC CONNECTED TOTALS
A 49,494 kW
B 48,639 kW
C 41,800 kW
TOTAL 139,932 kW

(ALL PHASES SHALL BE BALANCED WITH 7% USING ACTUAL LOAD TOTALS)

BREAKER OPTIONS:
BABR - SOLENOID OPERATED BABR
LO - HANDLE LOCK-OFF DEVICE
ST - SHUNT TRIP
AUX - AUXILIARY CONTACTS
PA - HANDLE PADLOCK ATTACHMENT
GFCI - GROUND FAULT INTERRUPT
HACR - HEATING, A/C & REFRIGERATION
LCL - CONTINUOUS LOAD

ELECTRICAL LOAD SUMMARY

DESCRIPTION	CONNECTED (kW/kVA)	POWER FACTOR	DEMAND FACTOR		DEMAND (kVA)
LIGHTING	10.871	1.0	1.25		13.589
TRACK LIGHTING	5.385	1.0	56 A	***	6.720
SHOW WINDOW	1.440	1.0	52 FT	200VA/FT **	8.960
RECEPTACLES	14.000	1.0	1.0< 10Kw 0.5 REMAINING		12.000
MOTORS	0.254	1.0	1.25		0.318
AIR CONDITIONING *	94.367	1.0	1.0 ****		94.367
ELECTRIC HEATING *	0.000	1.0	1.0		0.000
WATER HEATER	3.000	1.0	1.0		3.000
MISCELLANEOUS	6.180	1.0	1.0		6.180
TOTAL	135.497				145.133

NOTES:
* USE GREATER LOAD OF THE TWO CATAGORIES
** 200VA PER FOOT OR ACTUAL CONNECTED
*** 150VA/2FT OR ACTUAL CONNECTED
**** 125% OF THE LARGEST MOTOR OR COMPRESSOR IN SYSTEM

NEC DEMAND kW *1000 / SYSTEM VOLTAGE * 1.732 = MINIMUM FEEDER AMPERAGE

145.133 *1000 / 480 *1.732 = **175 A**

EXISTING 200A SERVICE

TRANSFORMER LOAD SUMMARY

DESCRIPTION	CONNECTED (kW/kVA)	POWER FACTOR	DEMAND FACTOR		DEMAND (kVA)
LIGHTING	12.311	1.0	1.25		15.389
TRACK LIGHTING	5.385	1.0	56 A	120V *****	6.720
SHOW WINDOW	1.440	1.0	11 FT	200VA/FT **	0.760
RECEPTACLES	14.000	1.0	1.0< 10Kw 0.5 REMAINING		12.000
MOTORS	0.254	1.0	1.25		0.318
AIR CONDITIONING	10.400	1.0	1.0		10.400
WATER HEATER	3.000	1.0	1.0		3.000
MISCELLANEOUS	6.180	1.0	1.0		6.180
TOTAL	52.970				54.766

USE 75 KVA 600-120/208V, 3 PHASE TRANSFORMER

ELECTRICAL EQUIPMENT DATA

ITEM	VOLTAGE	FEEDERS WIRE	FEEDERS CONDUIT	BRANCH BREAKER	DISC. SW.	BUS/ FUSES	NOTE
EF-1	120V, 1#	(2)#12 & (1)#12G	1/2"	20A-1P	-	-	1
RTU-1	480V, 3#	(3)#8 & (1)#10G	3/4"	40A-3P	-	-	2
RTU-2	480V, 3#	(3)#4 & (1)#8G	1-1/4"	70A-3P	-	-	2
AHU-1	208V, 1#	(2)#8 & (1)#10G	3/4"	40A-2P	-	-	2
CU-1	208V, 1#	(2)#12 & (1)#12G	1/2"	20A-2P	-	-	2

NOTE:
1. "AC" TOGGLE SWITCH TO BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
2. DISCONNECT SWITCH TO BE FURNISHED AND INSTALLED BY MECHANICAL SUPPLIER.

ELECTRICAL POWER GENERAL NOTES

1. HVAC CIRCUIT BREAKERS SHALL BE "HACR" TYPE WHEN REQUIRED BY EQUIPMENT NAMEPLATE PER ADOPTED ELECTRICAL CODE
2. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXACT K.A.I.C. RATING (BUILDING SERVICE AVAILABLE FAULT CURRENT) OF LANDLORDS DISTRIBUTION EQUIPMENT PRIOR TO BID AND WORK COMMENCEMENT. IF FOUND TO BE HIGHER THAN PANEL RATING, NOTIFY YOUR BBWI PROJECT MANAGER IMMEDIATELY.
3. ELECTRICAL CONTRACTOR SHALL BALANCE ALL PANELS AND ELECTRICAL EQUIPMENT TO 7% (+/-) BETWEEN PHASES: A/B, B/C, A/C, REGARDLESS OF CIRCUITING INDICATED.
4. PROPER CLEARANCE MUST BE MAINTAINED ABOUT ELECTRICAL EQUIPMENT PER ADOPTED ELECTRICAL CODE. FIELD VERIFY EXACT MOUNTING SPACE AVAILABLE IN ELECTRICAL ROOM/AREA PRIOR TO INSTALLATION OF ELECTRICAL EQUIPMENT.
5. ALL PANEL BRANCH CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE.
6. ALL PANEL BUS BARS SHALL BE COPPER.
7. MOUNT A TYPEWRITTEN DIRECTORY BEHIND GLASS OR PLASTIC ON THE INSIDE OF EACH PANEL DOOR AND, ON THE DIRECTORY, SHOW THE CIRCUIT NUMBER AND COMPLETE DESCRIPTION OF ALL OUTLETS ON EACH CIRCUIT.
8. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS FOR A COMPLETE AND OPERABLE ELECTRICAL DISTRIBUTION SYSTEM.
9. ALL PANELBOARDS, SWITCHBOARDS AND LINE VOLTAGE CONTROL EQUIPMENT SHALL BE FACTORY MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTING, SERVICING OR MAINTENANCE OF EQUIPMENT.
10. ELECTRICAL CONTRACTOR SHALL MAKE SURE ENTIRE INSTALLATION CONFORMS TO ADOPTED ELECTRICAL CODE – EXAMINATION, IDENTIFICATION, INSTALLATION, AND USE OF EQUIPMENT.
11. SWITCHBOARDS, PANELBOARDS, DISCONNECT SWITCHES, AND CONTACTORS ARE TO BE "LISTED" AND "IDENTIFIED" AS RATED FOR A MINIMUM OF 75°C CONDUCTOR TERMINATION.
12. IFS ENCLOSURE LIGHTING CONTROLS: SOLENOID OPERATED BABR BREAKERS ARE PROVIDED WITH IFS PANELS FOR STORE LIGHTING CONTROLS AND STOREFRONT SIGNS. SEE PANEL SCHEDULES FOR LIGHTING ZONE DESIGNATIONS (ie: ZONE A, B1, B2, C, D, E)
13. IFS ENCLOSURE FURNISHED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR IS HEREIN DESCRIBED:
    A. UNIT WILL BE SHIPPED TO PROJECT IN MULTIPLE SECTIONS AND THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR OFF-LOADING OF EQUIPMENT, INSPECTION OF EQUIPMENT FOR DAMAGE, VERIFICATION OF EQUIPMENT RECEIVED FOR PROPER STORAGE, SETTING AND MOVING OF EQUIPMENT INTO SPACE AS WELL AS REASSEMBLING OF SECTIONS INTO ONE COMPLETE UNIT PER MANUFACTURER'S DOCUMENTATION.
    B. ELECTRICAL CONTRACTOR SHALL CONNECT ALL PROVIDED INTERCONNECTING CABLES BETWEEN SECTIONS AND TORQUE CONNECTIONS PER MANUFACTURER'S REQUIREMENTS.
    C. ALL CONNECTIONS WITHIN THE TELEPHONE/DATA SECTION AND HVAC CONTROL SECTION OF THE IFS ENCLOSURE WILL BE DONE BY OTHERS. ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLATION OF LOW VOLTAGE CONDUIT SYSTEM (IF REQUIRED BY CODE OR LANDLORD) INTO THESE SECTIONS ONLY.
    D. SWITCHBOARD WILL BE SHIPPED ON AN ENCLOSED SEMI-TRAILER. ELECTRICAL CONTRACTOR MUST ARRANGE FOR A FORKLIFT TO OFF-LOAD AT JOB SITE. ELECTRICAL CONTRACTOR WILL RECEIVE 24 NOTICE PRIOR TO DELIVERY.
14. ELECTRICAL CONTRACTOR SHALL INCLUDE ALL COSTS TO FURNISH AND INSTALL ALL LOW VOLTAGE WIRING IN CONDUIT, AS PART OF BASE BID.

DEMARC DEMOLITION NOTES

1. THE GC SHALL NOT CUT THE MAIN TELEPHONE WIRES LEADING TO THE TERMINATION STRIP (DEMARC BLOCK) OR PHONE SYSTEM.
2. IF THE DEMARC IS TO BE RELOCATED, IT SHALL BE COORDINATED WITH LIMITED TECHNICAL SERVICES (LTS). FOR BBW CALL 1-877-415-7911 AND SELECT OPTION 2. FOR BBW CANADIAN STORE CALL LASENZA 1-877-211-5151 THEN 877#, 3. FOR VS CALL 1-614-415-1011.
3. THE GC SHALL ALLOW ADEQUATE TIME FOR RELOCATION IN THE CONSTRUCTION SCHEDULE.
4. IF THE WALL WITH THE TELEPHONE BLOCK IS SCHEDULED FOR DEMOLITION, THE ENTIRE BACKING PANEL SHALL BE REMOVED FROM THE WALL (WITHOUT DISCONNECTING THE WIRING) AND IT SHALL BE SAFELY SECURED IN THE CEILING UNTIL IT CAN BE RELOCATED TO THE NEW AREA OR REINSTALLED ON WALL.

SERIES RATED NOTES

480-208/120V:
1. ALL CIRCUIT BREAKERS IN 'PANEL MDP' SHALL BE FULLY RATED TO PROVIDE AN INTERRUPTING RATING OF **65,000** AMPS RMS.
2. MAIN BREAKERS IN 'PANEL A' AND 'PANEL B' (AND 'PANEL C') SHALL BE "SERIES" RATED WITH ALL PANEL BRANCH BREAKERS TO PROVIDE AN INTERRUPTING RATING OF **65,000** AMPS RMS.
3. PANELBOARDS OR OTHER EQUIPMENT THAT IS PROTECTED BY "SERIES" RATED OVERCURRENT PROTECTED DEVICES UPSTREAM SHALL BE MARKED WITH A PERMANENT LABEL THAT INDICATES THE SHORT-CIRCUIT RATING OF THE SERIES COMBINATION AND CALLS OUT THE SPECIFIC REPLACEMENT OVERCURRENT DEVICE(S) THAT CAN BE UTILIZED.

PANELBOARD A

LOCATION: WR ENCLOSURE (IFS)

VOLTAGE 120/208V., 3PH, 4W
MOUNTING SURFACE
BUS RATING 100A

150A M.C.B.
A.I.C.: 10,000A

LCL	CL	LTG ZONE	CCT NO.	LOAD DESCRIPTION	CB AMP	CB POLE	LOAD A	LOAD B	LOAD C	CB AMP	CB POLE	LOAD DESCRIPTION	CCT NO.	LTG ZONE	CL	LCL
LO X			1	SALES EM LTS/EXIT SIGN	20	1	63 630			20	1	NON-SALES LTS / EF	2			X LO
		B2	3	CIRCULATION PUMP	20	1		210 1,200		20	1	STOREFRONT LIGHTBOX	4	A		X
		D	5	BBW CABINET LT RCPTS	20	1			240 1,200	20	1	STOREFRONT LIGHTBOX	6	A		X
X		D	7	BBW CABINET LT RCPTS	20	1	480 720			20	1	SHOW WINDOW RECEPT	8	A		X
X		D	9	BBW CABINET LT RCPTS	20	1		880 720		20	1	STOREFRONT LIGHTS	10	A		X
X		D	11	BBW CABINET LT RCPTS	20	1			220 135	20	1	WALL DISPLAY LTS	12	D		X
X		D	13	WBC CABINET LT RCPTS	20	1	525 945			20	1	WALL DISPLAY TK	14	D	10	X
X		D	15	WBC CABINET LT RCPTS	20	1		525 960		20	1	WALL DISPLAY TK	16	D	10	X
X		D	17	WBC CABINET LT RCPTS	20	1			585 690	20	1	FLOOR DISPLAY TK	18	C	8	X
X		D	19	WBC CABINET LT RCPTS	20	1	1,095 750			20	1	FLOOR DISPLAY TK	20	C	8	X
		D	21	WALLFLOWER	20	1		620 825		20	1	GENERAL TK	22		8	X
		D	23	WALLFLOWER	20	1			1,620 855	20	1	GENERAL TK	24	B2	8	X
		D	25	WALLFLOWER	20	1	1,620 360			20	1	STOREFRONT TK	26	A	4	X
			27	FLOORBOX RCPT	20	1		360 1,072		20	1	PENDANT LITS	28	D		X
X		D	29	INTERIOR SIGN	20	1			500 105	20	1	CASHWRAP LIGHTS	30	B1		X
X		D	31	LIGHTBOX	20	1	500 100			20	1	LIGHTCONTROL RELAY	32	B1		
X		E	33	SF SIGN	20	1		1,200 180		20	1	WINGR CONTROLLED RCPT	34	B2		
			35	SPARE	20	1			0 0	20	1	SPARE	36			
			37	SPARE	20	1	0 0			20	1	SPARE	38			
			39	SPARE	20	1		0 0		20	1	SPARE	40			
			41	SPARE	20	1			0 0	20	1	SPARE	42			
				LOAD/PH:			7,788	8,752	6,150			**TOTAL VA:** 27,125 VA				
				LCL @ 25% PER PHASE			1,517	1,846	1,073			**TOTAL AMPS:** 75 A				
				TOTAL LOAD/PH:			9,305	10,598	7,223							

NOTES:
ALL CIRCUITS BREAKERS TO BE 20 AMP, 1-POLE UNLESS OTHERWISE NOTED.
(ALL PHASES SHALL BE BALANCED WITH 7% USING ACTUAL LOAD TOTALS)

BREAKER OPTIONS:
BABR - SOLENOID OPERATED BABR
LO - HANDLE LOCK-OFF DEVICE
IL - CIRCUIT SHALL ROUTE THRU ILUMIN PANEL
AUX - AUXILIARY CONTACTS
PA - HANDLE PADLOCK ATTACHMENT
GFCI - GROUND FAULT INTERRUPT
HACR - HEATING, A/C & REFRIGERATION
LCL - CONTINUOUS LOAD
CL - CURRENT LIMITING BREAKER IN AMPS

PANELBOARD B

LOCATION: WR ENCLOSURE (IFS)

VOLTAGE 120/208V., 3PH, 4W
MOUNTING SURFACE
BUS RATING 100A

100A M.C.B.
A.I.C.: 10,000A

LCL	LTG ZONE	CCT NO.	LOAD DESCRIPTION	CB AMP	CB POLE	LOAD A	LOAD B	LOAD C	CB AMP	CB POLE	LOAD DESCRIPTION	CCT NO.	LTG ZONE	CL	LCL
		1	WALKIE TALKIE	20	1	360 1,800			20	1	CASHWRAP RCPTS	2			
LO		3	MANAGER'S RCPTS	20	1		360 1,080		20	1	CASHWRAP REG.	4			LO
LO		5	MANAGER'S RCPT	20	1			180 900	20	1	BACKWRAP RCPTS	6			LO
		7	MUSIC SYSTEM	20	1	360 1,080			20	1	SEASONAL POS	8			
GFCI		9	REFRIGERATOR	20	1		1,200 720		20	1	GENERAL SALES RCPTS	10			
		11	MICROWAVE	20	1			1,200 720	20	1	GENERAL SALES RCPTS	12			
		13	DESK RCPTS	20	1	900 540			20	1	NON-SALES RCPTS	14			
		15	MONITOR SENSOR	20	1		100 600		20	1	DRINKING FOUNTAIN	16			
LO		17	NETWORK CABINET	20	1			1,800 180	20	1	CHARGING STATION	18			
LO		19	(WR) TEMP. CONTROLS	20	1	100 360			20	1	CLOSET RECPT	20			
LO		21	(WR) TELEPHONE BRD.	20	1		180 360		20	1	MECHANICAL RECPT	22			
LO		23	BURGLAR ALARM	20	1			180 180	20	1	FACP	24			
HACR		25	AHU-1	40	2	3,952 1,500			20	2	WATER HEATER	26			
		27					3,952 1,500					28			
HACR		29	CU-1	20	2			1,248 0	20	1	SPARE	30			
		31				1,248 0						32			
		33	SPACE				0 0				SPACE	34			
		35	SPACE					0 0			SPACE	36			
		37	SPACE			0 0					SPACE	38			
		39	SPACE				0 0				SPACE	40			
		41	SPACE					0 0			SPACE	42			
			LOAD/PH:			12,200	10,052	6,588			**TOTAL VA:** 28,840 VA				
			LCL @ 25% PER PHASE			0	0	0			**TOTAL AMPS:** 80 A				
			TOTAL LOAD/PH:			12,200	10,052	6,588							

NOTES:
ALL CIRCUITS BREAKERS TO BE 20 AMP, 1-POLE UNLESS OTHERWISE NOTED.
(ALL PHASES SHALL BE BALANCED WITH 7% USING ACTUAL LOAD TOTALS)

BREAKER OPTIONS:
BABR - SOLENOID OPERATED BABR
LO - HANDLE LOCK-OFF DEVICE
ST - SHUNT TRIP
AUX - AUXILIARY CONTACTS
PA - HANDLE PADLOCK ATTACHMENT
GFCI - GROUND FAULT INTERRUPT
HACR - HEATING, A/C & REFRIGERATION
LCL - CONTINUOUS LOAD

LIGHTING TIME CONTROL LEGEND:

A – INTERNALLY ILLUMINATED TRANSOMS (INCLUDING SLIDING LIGHT BOXES), STOREFRONT DOWNLIGHTING, SHOW WINDOW LIGHTS, SHOW WINDOW RECEPTACLES, ADDITIONAL ILLUMINATED SIGNAGE AT THE STOREFRONT

B1 – STOCKING LEVEL LIGHTING (BI-LEVEL GENERAL LIGHTING)

B2 – STOCKING LEVEL LIGHTING (BI-LEVEL GENERAL LIGHTING)

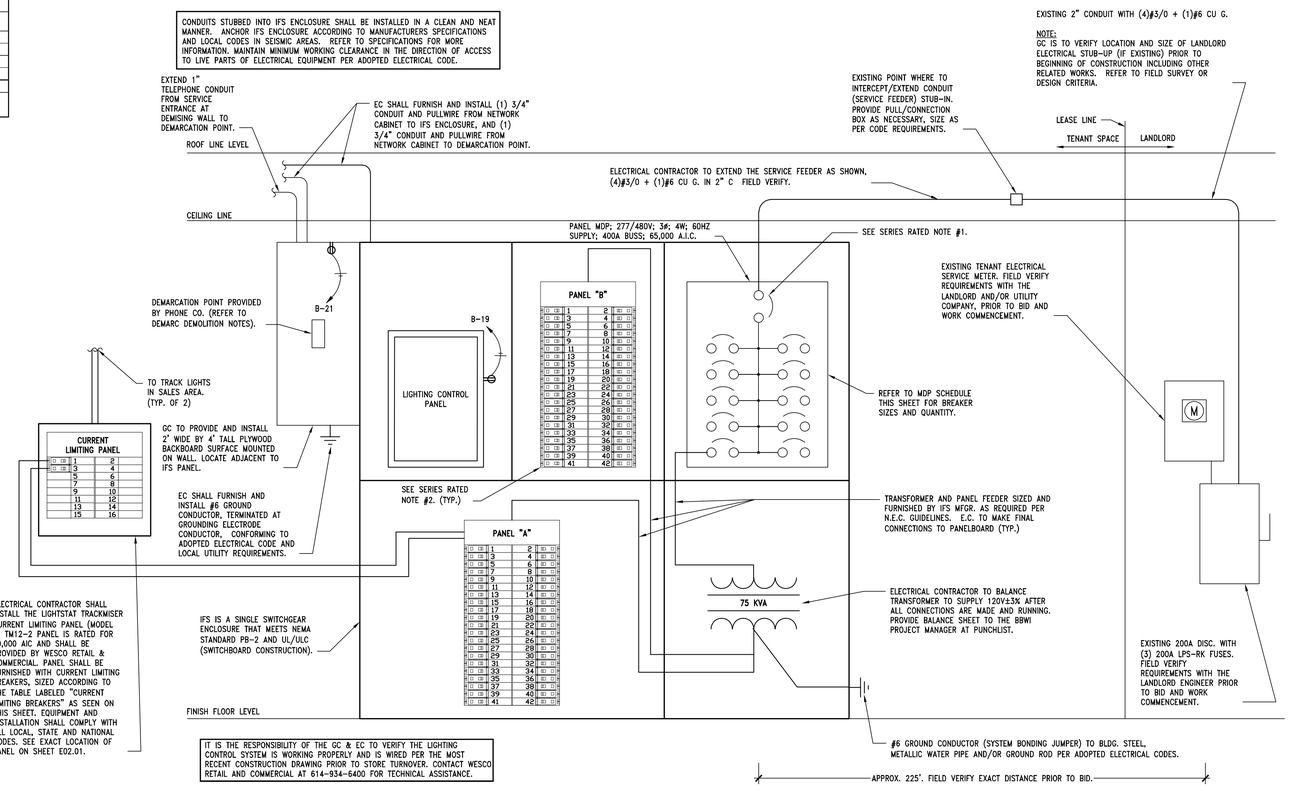
C – TASK LEVEL: SALES LIGHTING EVENLY DISTRIBUTED.

D – SALES LEVEL LIGHTING: BALANCE OF SALES LIGHTING, CABINET LIGHTING, CABINET LIGHTING RECEPTACLES, AND INTERIOR DISPLAY LIGHTING (CHANDELIERS, NEON, INTERIOR SIGNS, ETC).

E – EXTERIOR SIGNAGE, BLADE SIGNS, ADDITIONAL ILLUMINATED SIGNAGE ON THE EXTERIOR OF THE STORE.

NOTE:
ALL LIGHTING CIRCUITS CONNECTED TO LIGHTING ZONES ARE CONNECTED AND CONTROLLED AUTOMATICALLY THROUGH THE BUILDING CONTROL TIME CLOCK. REFER TO ELECTRICAL POWER GENERAL NOTE #12 ON THIS SHEET.

CONDUITS STUBBED INTO IFS ENCLOSURE SHALL BE INSTALLED IN A CLEAN AND NEAT MANNER. ANCHOR IFS ENCLOSURE ACCORDING TO MANUFACTURERS SPECIFICATIONS AND LOCAL CODES IN SEISMIC AREAS. REFER TO SPECIFICATIONS FOR MORE INFORMATION. MAINTAIN MINIMUM WORKING CLEARANCE IN THE DIRECTION OF ACCESS TO LIVE PARTS OF ELECTRICAL EQUIPMENT PER ADOPTED ELECTRICAL CODE.



IT IS THE RESPONSIBILITY OF THE GC & EC TO VERIFY THE LIGHTING CONTROL SYSTEM IS WORKING PROPERLY AND IS WIRED PER THE MOST RECENT CONSTRUCTION DRAWING PRIOR TO STORE TURNOVER. CONTACT WESCO RETAIL AND COMMERCIAL AT 614-934-6400 FOR TECHNICAL ASSISTANCE.

TBA
Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

JUSTIN HOSSELKUS — STATE OF WASHINGTON — 23010405 — REGISTERED PROFESSIONAL ENGINEER — 11-29-22

Bath&BodyWorks
Three Limited Parkway • Columbus, Ohio 43230
Telephone: 614.415.7000 • Fax: 614.415.7349

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SIS PKG 2
2315s.00
20221012.0

PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL | PACKAGE:
DESIGN TYPE: BBW ES/WBC 2021 | GENERATION:
BBWI PROJECT #: 00116082 | A/E PROJECT #:

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 – PER REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: RDW
DRAWN BY: TBA
CHECKED BY: JH

ELECTRICAL PANELS AND RISER DIAGRAM

DRAWING NUMBER:
E05.01

ELECTRICAL RISER DIAGRAM, PANEL SCHEDULES, AND NOTES

PRCTI20221802

NTS
00D-E0501-A00-DETL
A 08/10/18

LIGHTING COMPLIANCE SUMMARY

2018 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1 — Administered by: ©2022 NEEA, All rights reserved

Project & Applicant Information	**Project Title**	Bath & Body Works - South Hill - 2018 WSEC	For Building Department Use: **Date: Nov 03, 2022**
	Project Address	3500 S Meridian St. Puyallup, WA 98373	
	Applicant Name		
	Applicant Phone	614-389-3144	
	Applicant Email		

For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

General Occupancy	All Commercial	**General Building Use Type**		Retail, General Sales	**Building Cond. Floor Area**	4,777
General Project Types	Alteration	**New Building or Addition Lighting Scope**		**Alteration Lighting Scope** Interior Lighting	**Project Cond. Floor Area**	4,777
					Floors Above Grade	1
					Compliance Method	Compliance Method 1 - General
Lighting Project Description	Complete tenant fit out of an existing space.					

Lighting Compliance Scope and Method	Project Type	Interior / Exterior (interior includes both interior & parking)	Luminaire Replacement Scope	Compliance Method	LPA Calculation Adjustment	Compliance Verification
	Alteration	Interior Lighting	50% or more replaced	Space by space	No Calculation Adjustments allowed	**COMPLIES**
Additional Efficiency Options Included						

Project Title	**Bath & Body Works - South Hill - 2018 WSEC**	**Date**	**Nov 03, 2022**
Lighting Power Calculation	**ALTERATION - INTERIOR LIGHTING (50% or more replaced)**	**Compliance Verification**	**COMPLIES**
Compliance Method	**Space by space**	**LPA Calculation Adjustment**	**none**

Interior Lighting Power Allowance - Space by Space

General Space Type	Specific Space Type	Ceiling Height (Ft)	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 1)	Total Proposed Watts (LPD = Display LPD)	Compliance Status
Corridors	General		231	0.41	95		
Restroom	General		68	0.63	43		
Storage room	General		725	0.38	276		
Retail	General sales		3,781	1.05	3,970		
Retail	Sales display - Furniture/clothing/cosmetics/art		3,781	1.05	3,970	4,368	
				Retail Display Extra Allowance	500		
				Proposed Total LPD		**2646**	
	Totals				**8,853**	**7,014**	**COMPLIES**

Proposed Lighting Power Density

Fixture Type	Fixture ID	Quantity of Fixtures (#F)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (#F x WpF) or (LF x WpLF)
Individual Fixtures						
Decorative	PR	4	10			40
Decorative	PB	2	60			120
Horizontal surface-mount	FE	2	30			60
Horizontal surface-mount	FH	4	30			120
Recessed downlight	EA3	5	34			170
Recessed downlight	BJ5	7	15			105
Recessed downlight	CC	3	25			75
Recessed downlight	EA2	2	30			60
Suspended	FL	6	30			180
Suspended	FM	6	30			180
Linear Fixtures						
Line voltage track (120V)	A-22	1	768			768
Line voltage track (120V)	A-24	1	768			768
Exempt Fixtures						
Furniture mounted supplemental task (auto off)	100W	4				
Furniture mounted supplemental task (auto off)	75W	30				
Furniture mounted supplemental task (auto off)	60W	18				
					Proposed Total LPD	**2646**

Proposed Additional Allowance Lighting (Display/Highlight/Ornamental)

Fixture Type	Fixture ID	General and Specific Space Type	Quantity of Fixtures (#F)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (#F x WpF) or (LF x WpLF)
Individual Fixtures							
Suspended	PS	Retail - Sales display - Furniture/clothing/cosmetics/art	5	150			750
Wall-mounted	W22	Retail - Sales display - Furniture/clothing/cosmetics/art	2	6			12
Wall-mounted	W23	Retail - Sales display - Furniture/clothing/cosmetics/art	2	75			150
Linear Fixtures							
Line voltage track (120V)	A-16	Retail - Sales display - Furniture/clothing/cosmetics/art	1	960			960
Line voltage track (120V)	A-20	Retail - Sales display - Furniture/clothing/cosmetics/art	1	768			768
Line voltage track (120V)	A-14	Retail - Sales display - Furniture/clothing/cosmetics/art	1	960			960
Line voltage track (120V)	A-18	Retail - Sales display - Furniture/clothing/cosmetics/art	1	768			768

Project Title	**Bath & Body Works - South Hill - 2018 WSEC**	**Date**	**Nov 03, 2022**
Proposed Fixtures Details	**ALTERATION - INTERIOR LIGHTING (50% or more replaced)**		

Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	New or Existing-to-Remain
Individual Fixtures				
Decorative	PR	E03.01	LED	New
	Fixture Description: LED Pendant			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?:			
Decorative	PB	E03.01	LED	New
	Fixture Description: LED Pendant			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?:			
Horizontal surface-mount	FE	E03.01	LED	New
	Fixture Description: 4' LED strip			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?:			
Horizontal surface-mount	FH	E03.01	LED	New
	Fixture Description: 4' LED strip			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?:			
Recessed downlight	EA3	E03.01	LED	New
	Fixture Description: Semi recessed LED			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?:			
Recessed downlight	BJ5	E03.01	LED	New
	Fixture Description: 3" round LED downlight			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?:			
Recessed downlight	CC	E03.01	LED	New
	Fixture Description: Recessed LED			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?:			
Recessed downlight	EA2	E03.01	LED	New
	Fixture Description: Recessed LED			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?:			
Suspended	FL	E03.01	LED	New
	Fixture Description: 4' LED strip			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?:			
Suspended	FM	E03.01	LED	New
	Fixture Description: 4' LED strip			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?:			
Linear Fixtures				
Line voltage track (120V)	A-22	E03.01	LED	New
	How is linear fixture quantity defined?: Quantity of fixtures with current limiting device			Length of track (LT):
	Fixture Description: Track light for general lighting			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?:			
Line voltage track (120V)	A-24	E03.01	LED	New
	How is linear fixture quantity defined?: Quantity of fixtures with current limiting device			Length of track (LT):
	Fixture Description: Track light for general lighting			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?:			
Exempt Fixtures				
Furniture mounted supplemental task (auto off)	100W	E03.01		New
	Fixture Description: 100W power supply for SD2 furniture LED lights			Do these fixtures require specific application lighting controls?: Lighting for sale/demo, occupancy controls
Furniture mounted supplemental task (auto off)	75W	E03.01		New
	Fixture Description: 75W power supply for SZ2, SG1, SV1 furniture LED light fixtures			Do these fixtures require specific application lighting controls?: Lighting for sale/demo, occupancy controls
Furniture mounted supplemental task (auto off)	60W	E03.01		New
	Fixture Description: 60w power supply for SD2, SD5, SF4 furniture light fixtures.			Do these fixtures require specific application lighting controls?: Lighting for sale/demo, occupancy controls

Lighting, Motor and Electrical Requirements List, pg 1 of 10

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2022 NEEA, All rights reserved
The following information is necessary to check a permit application for compliance with the lighting systems, motors and electrical system requirements in the Washington State Energy Code, Commercial Provisions.
For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

Project:
Bath & Body Works - South Hill - 2018 WSEC
3500 S Meridian St.
Puyallup, WA 98373

Date: 2022-11-03

Applies	Code Section	Component	Compliance Information Required In Permit Documentation	Location in Documents	Building Department Notes
LIGHTING SCOPE					
NA	C103.1	Construction documents - General	For a shell & core or tenant space (first build-out) project, indicate if there is no lighting scope included in the project.		
YES	C103.1	Construction documents - General	For an alteration project, indicate if there is no lighting scope included in the project.		
LIGHTING CONTROLS					
YES	C405.2	Lighting controls, general	For all lighting fixtures, indicate lighting control method on plans for spaces and lighting zone(s) served, or exception taken	See pages E03.01 and E05.01	
NA	C405.2, Option 2	Luminaire level lighting controls (LLLC)	Indicate on plans all fixtures provided with LLLC in lieu of C405.2 lighting controls; provide description of control capabilities and performance parameters		
NA	C405.2.5, Item 3 C405.2.1.1 C405.2.3.1	Lighting in dwelling units (dormitory, hotel and all other than multifamily)	Indicate method of automatic control of all installed luminaires in dwelling units in buildings other than multifamily (occupancy or light reduction controls)		
NA	C405.2.5, Item 2	Lighting in sleeping units	Indicate method of automatic off control of all installed luminaires in sleeping units (vacancy or key card control); also refer to Receptacles		
YES	C405.2.3 C405.2.3.1 C405.2.5	Manual controls	Indicate on plans the method of manual lighting control, location of manual control device and the area or specific application it serves	See pages E03.01 and E05.01	
YES	C405.2.3.1 C405.2.1.1 C405.2.4	Manual interior light reduction controls	Indicate on plans which method of manual 50% lighting load reduction is provided, or indicate applicable exception	See pages E03.01 and E05.01	
YES	C405.2.1 C405.2.2.1 C405.2.1, Exception 3	Method of automatic shut-off control	Indicate on plans the method of automatic shut-off control during unoccupied periods (occupancy sensor, time switch or digital timer switch) For all lighting zones	See pages E03.01 and E05.01	
YES	C405.2.1	Occupant sensor controls	Indicate on plans all luminaires that are controlled by occupant sensor controls; indicate controls are configured to turn luminaires 100% off when the space is unoccupied	See pages E03.01 and E05.01	
YES	C405.2.1 C405.2.1.1	Occupant sensor controls	Indicate if occupant sensor controls are configured to be manual on or automatic on to not more than 50% power; indicate spaces eligible for exception that allows automatic on to 100% power	See pages E03.01 and E05.01	

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NA	C405.2.1.2	Occupant sensor controls - warehouses spaces	Indicate each aisleway and corridor within a warehouse space are designated as separate zones that are independently controlled		
YES			Indicate occupant sensors are configured to automatically reduce lighting power by 50% when the zone is unoccupied and 100% off after the zone is unoccupied for over 20 minutes; indicate controls are configured to automatically restore lighting to full power when the zone or space is occupied		
NA	C405.2.1.3	Occupant sensor controls - open plan office areas	For open plan office areas larger than 300 sf, indicate general lighting is provided with vacancy controls that reduce lighting power by not less than 80% and are configured to turn luminaires 100% off when the space is unoccupied; indicate that no individual control zone area exceeds 600 sf		
NA	C405.2.1.4	Occupant sensor controls - parking garages	Indicate parking garage general lighting is provided with vacancy controls that reduce lighting power by not less than 30% and are configured to turn luminaires 100% off when no vehicles or pedestrians are present, unless eligible for an exception; indicate that no individual control zone area exceeds 3,600 sf		
NA	C405.2.1.5	Occupant sensor controls - enclosed fire-rated stairwells	Indicate stairway lighting is provided with vacancy controls that reduce lighting power by not less than 50% when the stairway in unoccupied		
YES	C405.2.2.1	Automatic time switch controls	Indicate spaces on plans where time switch controls turn luminaires 100% off during unoccupied hours	See pages E03.01 and E05.01	
YES			Indicate spaces on plans where time switch controls are configured to turn on lighting to full power versus 50% power	See pages E03.01 and E05.01	
YES			Indicate locations of override switches on plans and the lighting zone(s) served; indicate that the area(s) served by each override switch does not exceeds 5,000 sf	See pages E03.01 and E05.01	
YES	C405.2.1, Exception 3	Digital timer switch	Indicate digital timer switch control includes: manual on/off, time delay, audible and visual indication of impending time-out	See pages E03.01 and E05.01	
NA	C405.2.4.2 C405.2.4.3	Daylight zones - Sidelit and toplit	Indicate primary and secondary sidelit daylight zone floor areas on plans		
NA			Indicate toplit daylight zone floor areas on plans		
NA			For small vertical fenestration assemblies (rough opening less than 10 percent of primary daylight zone floor area) where daylight responsive controls are not required, provide fenestration area to daylight zone floor area calculation(s)		

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NA	C405.2.4	Daylight responsive controls	Indicate on plans lighting zone(s) served by daylight responsive controls; indicate that the area served by each control device does not exceeds 2,500 sf		
NA			Identify sidelit and toplit daylight zones that are not provided with daylight sensing controls and the exception(s) that apply		
NA	C405.2.4.1.1	Daylight responsive controls	Indicate on plans the lighting load reduction method (continuous dimming, or stepped dimming that provides at least two even steps between 0%-100% of rated power)		
NA	C405.2.4.1	Daylight responsive controls	Indicate that daylight sensing controls are configured to completely shut off all controlled lights in the lighting zone		
NA	C405.2.5	Additional controls - Specific application lighting controls	Identify spaces and lighting fixtures on plans that require specific application lighting controls per this section		
YES	C405.2.5, Item 1	Display and accent lighting	Indicate on plans that manual controls are provided that control display, accent lighting and display case lighting independently from both general area lighting and other lighting applications within the same space		
YES			Indicate manual and automatic (occupant sensor or time switch) lighting control methods		
NA	C405.2.5, Item 3	Hotel/motel guest rooms	Indicate method of automatic control - vacancy or captive key control of all installed luminaires and switched receptacles in guest room		
NA	C405.2.5, Item 1	Supplemental task lighting	Indicate method and location of manual and automatic shut-off control (occupant sensor or time switch) for supplemental task lighting, including under-shelf or under-cabinet lighting		
YES	C405.2.5, Item 1	Lighting equipment for sale or demonstration	Indicate on plans that lighting equipment for sale or demonstration are controlled independently from both general area lighting and other lighting applications within the same space	See pages E03.01 and E05.01	
YES			Indicate manual and automatic (occupant sensor or time switch) lighting control methods	See pages E03.01 and E05.01	
NA	C405.2.5, Item 4	Lighting for non-visual applications	Identify all eligible non-visual lighting applications on plans; indicate that the area served by each control device does not exceeds 4,000 sf		
NA			Indicate on plans that non-visual lighting are controlled independently from both general area lighting and other lighting applications within the same space		

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NA			Indicate method of manual lighting control and applicable automatic lighting control		
YES	C405.2.5, Item 5	Means of egress lighting	Identify on plans egress fixtures that function as both normal and emergency means of egress illumination	See pages E03.01 and E05.01	
NA			Provide calculation of lighting power density of total egress lighting		
YES			If total egress lighting power density is greater than 0.02 W/sq. ft., indicate on plans egress fixtures requiring automatic shut-off during unoccupied periods	See pages E03.01 and E05.01	
YES			Indicate method of automatic shut-off control	See pages E03.01 and E05.01	
YES	C405.4.1 C405.4.2	Lighting control of/ exempt interior lighting	Indicate that exempt interior lighting equipment and lighting located within spaces that are eligible for a lighting power exemption are controlled independently from non-exempt and general area lighting	See pages E03.01 and E05.01	
NA	C405.2.6	Exterior lighting controls	For decorative exterior lighting, indicate on plans automatic daylight shut-off controls, or exception taken		
NA			For exterior lighting that is not decorative, indicate on plans automatic daylight or time-switch shut-off controls and setback controls; or indicate exception taken		
NA			For lighting requiring setback controls, include control sequence that reduces lighting power by at least 30% between 12am-6am, or from 1 hour after closing to 1 hour before opening, or based upon motion sensor		
NA			For building facade and landscape lighting, indicate control sequence for shut-off control is based on dawn-to-dusk and business opening/closing schedule; indicate whether automatic or time switch controls will be provided for this function		
NA	C405.5.2	Lighting control of exempt exterior lighting	Indicate that exempt exterior lighting and lighting located within exterior areas/surfaces that eligible for a lighting power exemption are controlled independently from non-exempt exterior lighting		
NA	C405.5.4	Exterior gas-fired lighting appliances	Indicate ignition system is a method other then continuously burning pilot light		
YES	C405.2.7	Area controls - Master control switches and circuit power limit	Indicate location(s) of master control switch(es) intended to control multiple independent switches; circuit breaker may not be used as a master control switch	See pages E03.01 and E05.01	
YES			Verify that no 20 amp circuit controlled by a single switch or automatic control is loaded beyond 80%	See page E05.01	
ADDITIONAL EFFICIENCY CREDIT - ENHANCED INTERIOR LIGHTING CONTROLS					

OCCUPANT SENSORS CONTROLS ARE REQUIRED IN THE RESTROOMS, HALLWAYS, AND NON-SALES STORAGE AREAS PER 2018WSEC SECTION C405.2

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ELECTRICAL LIGHTING COMPLIANCE

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08/10/18

Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

JUSTIN HOSSELKUS — STATE OF WASHINGTON — 22010405 — REGISTERED PROFESSIONAL ENGINEER — 11-2-22

Bath&BodyWorks
Three Limited Parkway • Columbus, Ohio 43230
Telephone: 614.415.7000 • Fax: 614.415.7349

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NA	C406.4	Enhanced digital lighting controls	To comply with additional efficiency credit, indicate on plans that interior lighting fixtures are configured with all of the following control functions, as applicable: 1) Each fixture is individually addressed, or exception taken; 2) Fixtures are configured for continuous dimming; 3) No more than eight fixtures are controlled by a single daylight sensor; 4) In enclosed and open office areas, illumination levels of overhead general area lighting is configured to be individually adjusted by occupants		
NA			Include calculations that demonstrate the total lighting power of all interior lighting fixtures configured with enhanced lighting controls is no less than 90% of the total interior lighting power for the area the enhanced lighting controls credit is being applied to		
INTERIOR LIGHTING POWER & EFFICACY					
YES	C405.4.1 C405.4.2	Total connected interior lighting power	Include all luminaires in interior lighting fixture schedule; indicate fixture types, lamps, ballasts, and manufacturer's watts per fixture for the installed lamp	See page E04.03	1
YES			Identify spaces eligible for lighting power exemption on plans and in WSEC interior lighting compliance reports; indicate the exception applied		
YES			Identify lighting equipment eligible for lighting power exemption in fixture schedule and in WSEC interior lighting compliance reports; indicate the exception applied		
NA	C405.1 C405.1.1	Lighting in dwelling units (multifamily)	For all installed luminaires, include lamp type and number of lamps in lighting fixture schedule; for lamps that are not LED, T-8 or small diameter fluorescent, indicate efficacy of other lamp types is 65 lumens per watt or greater		
NA			For all installed luminaires, indicate in lighting fixture schedule whether complying via lighting power density or by qualifying lump type; if by lump type, include number of lamps		
NA			For all installed luminaires, indicate in lighting fixture schedule whether complying via lighting power density or by qualifying lump type; if by lump type, include number of lamps		
INTERIOR LIGHTING POWER CALCULATION - INDICATE COMPLIANCE PATH TAKEN					
NO	C405.4.2.1	Building Area Method	Demonstrate that total proposed wattage per building area does not exceed maximum allowed wattage per building area; identify locations of building areas on plans; provide WSEC exterior lighting compliance reports		

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YES	C405.4.2.2	Space-By-Space Method	Demonstrate that total proposed wattage does not exceed maximum allowed wattage; identify locations of space types on plans, including retail display areas and areas with display, highlight and decorative lighting; provide WSEC exterior lighting compliance reports	See pages E03.01 and E05.01	1
ADDITIONAL EFFICIENCY CREDITS - REDUCED INTERIOR LIGHTING POWER DENSITY					
NA	C406.3.1 C406.3.2	Reduced interior lighting power density	To comply with additional efficiency credit, demonstrate that total connected interior lighting wattage is 10% or 20% less than the total maximum allowed lighting wattage for the area the reduced lighting power credit is being applied to; indicate whether lighting power allowance is based on the building area method or space-by-space method; provide WSEC exterior lighting compliance reports		
NA	C406.3	Reduced interior lighting power density - dwelling unit lamp efficacy	For project with dwelling units, to comply with additional efficiency credit indicate in lighting fixture schedule that lamps within installed interior luminaires have an efficacy rating of at least 65 lumens per watt; include number of lamps and provide calculations that demonstrate at least 95% of lamps have this efficacy rating		
EXTERIOR LIGHTING POWER & EFFICACY					
NA	C405.5.2	Total connected exterior lighting power	Include all luminaires in exterior lighting fixture schedule; indicate fixture types, lamps, ballasts, and manufacturer's watts per fixture for the installed lamp		
NA			Identify exterior applications eligible for lighting power exemption on plans and in WSEC exterior lighting compliance reports; indicate exception applied		
NA	C405.5.3(1)	Exterior lighting zone	Indicate building exterior lighting zone as specified by the AHJ		
NA	C405.5.1	Exterior building grounds lighting	For building grounds fixtures rated at greater than 50 watts, indicate rated lamp efficacy (in lumens per watt) in fixture schedule		
EXTERIOR LIGHTING POWER CALCULATION					
NA	C405.5.3	Tradable allowances	Demonstrate that total proposed tradable surface wattage does not exceed maximum allowed tradable surface wattage (including base site allowance); identify locations of tradable surfaces on plans; provide WSEC exterior lighting compliance reports		

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NA			Demonstrate that proposed wattage per non-tradable surface type does not exceed maximum allowed wattage per non-tradable surface type (including base site allowance remaining after tradable allowance calculation); identify locations of non-tradable surfaces on plans; provide WSEC exterior lighting compliance reports		
LIGHTING ALTERATIONS					
NA	C503.6.1	Interior and parking garage lighting fixture alterations	Where ≥ 50% of existing luminaires in an interior space or parking garage are replaced; indicate compliance path (building area or space-by-space method); include all new and existing-to-remain luminaires in WSEC interior lighting compliance reports; indicate proposed lighting wattage does not exceed maximum allowed per compliance path		
NA			Where < 50% of existing luminaires in an interior space or parking garage are replaced; indicate total existing lighting wattage in each space prior to alteration; include all new and existing-to-remain luminaires in WSEC interior lighting compliance reports; indicate proposed total lighting wattage in alteration area does not exceed total existing lighting wattage prior to alteration		
NA			Where ≥ 50% of existing exterior lighting wattage is replaced; include all new and existing-to-remain luminaires in WSEC exterior lighting compliance reports; indicate proposed total exterior lighting wattage does not exceed maximum allowed		
NA			Where < 50% of existing exterior lighting wattage is replaced; indicate total existing lighting wattage prior to alteration; include all new and existing-to-remain luminaires in WSEC interior exterior compliance reports; indicate proposed total exterior lighting wattage does not exceed total existing wattage prior to alteration		
YES	C503.6.2	Interior lighting wiring and circuiting alterations	Where new wiring is installed to serve new interior luminaires and /or luminaires are relocated to a new circuit; indicate manual and automatic lighting controls are provided (as applicable) - manual (C405.2.3); occupancy sensor (C405.2.1); light reduction (C405.2.3); daylight responsive (C405.2.4); specific application (C405.2.5)	See page E03.01	1
NA			Where new wiring is installed to serve new exterior luminaires and /or luminaires are relocated to a new circuit; indicate automatic lighting controls are provided (C405.2.6)		

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YES	C503.6.3	Lighting panel alterations	Where a new interior and/or exterior lighting panel is installed or an existing panel is moved (all new raceway and conductor wiring), indicate all applicable lighting controls requirements apply	See page E03.01	1
NA	C503.6.4	Newly-created rooms	Where interior space(s) is reconfigured (permanently installed walls or ceiling-height partitions) to create new enclosed spaces, indicate all applicable lighting controls requirements apply		
NA	C504.2	Lighting repairs	Identify existing luminaires being upgraded with bulb and / or ballast replacement; indicate fixture alteration does not increase existing fixture wattage		
NA	C505.1	Change of interior space use	Identify spaces on plans where the building area type or space use type is being changed from one type to another per Tables C405.4.2(1) or (2)		
NA			Indicate compliance method (building area or space-by-space); include all new and existing-to-remain luminaires in WSEC interior lighting compliance reports; indicate proposed lighting wattage does not exceed maximum allowed per compliance path		
RECEPTACLES					
YES	C405.10	Controlled receptacles	Identify all controlled and uncontrolled receptacles on electrical plans in each space in which they are required; include receptacle configuration such as spacing between controlled and uncontrolled, duplex devices, etc	See pages E03.01 and E05.01	1
NA			Provide schedule that lists the number of controlled and uncontrolled receptacles in each space where controlled receptacles are required - classrooms, private offices, open office areas, conference rooms, copy rooms, break rooms and modular partitions/workstations		
YES			Indicate on plans the method of automatic control for each controlled receptacle zone (occupant sensor or programmable time-of-day control); indicate that each zone served by a single controller does not exceed 5,000 sf	See pages E03.01 and E05.01	1
NA	C405.2.5, Item 2	Switched receptacles in sleeping units	Indicate method of automatic off control of all switched receptacles in sleeping units (vacancy or key card control)		
NA	C503.6.6	Electrical receptacle alterations	Where new receptacles are added or replaced within an alteration project that is 5,000 sf or larger, indicate receptacles are provided with automatic controls per C405.10, or exception taken		
MOTORS, TRANSFORMERS, ELECTRIC METERS, INTERIOR TRANSPORTATION					

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YES	C405.6	Electrical transformers	Include electrical transformer schedule on electrical plans; indicate transformer type, size, efficiency, or exception taken	See page E05.01	1
YES	C405.11	Feeders and branch circuits	Provide documentation that demonstrates maximum voltage drop across feeders and branch circuits does not exceed 5%	See pages E03.01 and E05.01	
NA	C405.7	Dwelling unit electrical energy consumption	Indicate on electrical plans that each dwelling unit in Group R-2 has a separate electrical energy meter		
NA	C405.8	Electric motor efficiency	Include all motors, including fractional hp motors, in electric motor schedule on electrical plans; indicate motor type, horsepower, rpm, rated efficiency, or exception applied		
NA	C405.9.1	Elevator cabs	For luminaires in each elevator cab, provide calculations that demonstrate average efficacy is not less than 35 lumens per watt		
NA			For elevators that do not have an integral air conditioning system, indicate rated watts per cfm for elevator cab ventilation fans do not exceed 0.33 watts per cfm		
NA			Indicate automatic controls that de-energize lighting and ventilation fans when elevator is stopped and unoccupied for a period of 15 minutes or more		
NA	C405.9.2	Escalators and moving walks	Indicate escalators comply with ASME A17.1/CSA B44; automatic controls are configured to reduce operational speed to the minimum permitted when not in use		
NA	C405.9.3	Regenerative drive	Indicate all one-way down or reversible escalators are provided with a variable frequency regenerative drive		
DOCUMENTATION AND SYSTEM REQUIREMENTS TO SUPPORT COMMISSIONING (CX)					
YES	C408.4	Scope of electrical power and lighting systems commissioning	Indicate that all electrical systems (receptacles, transformers, motors, vertical and horizontal transportation) for which the WSEC requires control functions and / or configuration to perform specific functions are required to be commissioned		
NO			Where total building lighting load is > 20 kW, or where total lighting load of luminaires requiring daylight sensing and / or occupancy control > 10 kW, indicate that all automatic lighting control systems are required to be commissioned; or provide building lighting power calculation demonstrating eligibility for exception		
NA	C405.13 C408.1.1 C408.1.2 C408.1.4.2 C103.6.3	Commissioning requirements in construction documents	Indicate Cx requirements in plans and specifications for all applicable electrical and lighting control systems per C408		

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NA	C408.1.2 C408.1.2.1 C408.1.4 C103.6.3	Commissioning requirements in construction documents	Include general summary of Cx plan per C408.1.2 including: 1) Narrative description of activities; 2) Responsibilities of the Cx team; 3) Schedule of activities including verification of project close out documentation per C103.6; 4) Conflict of interest plan (if required)		
NA	C408.1.2 C408.1.4 C103.6.3	Commissioning requirements in construction documents	Include in general summary that a Cx project report and Compliance Checklist (Figure C408.1.4.1) shall be completed by the Certified Cx Professional and provided to the owner prior to the final electrical inspection		
YES	C408.4.1	Functional performance testing criteria	Identify in plans and specifications the intended operation of all equipment and controls during all modes of operation, including interfacing between new and existing-to-remain systems	See pages E03.01 and E05.01	1
PROJECT CLOSE OUT DOCUMENTATION					
YES	C103.6.3	Project close out documentation requirements	Indicate in plans that project close out documentation is required including WSEC lighting compliance reports that document all interior and exterior lighting area and / or surface types, lighting power allowances and installed densities		
If "no" is selected for any question, provide explanation.					

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Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

Bath&BodyWorks
Three Limited Parkway • Columbus, Ohio 43230
Telephone: 614.415.7000 • Fax: 614.415.7349

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PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373
SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 2315a.00
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1	REV1 - POR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: RDW
DRAWN BY: TBA
CHECKED BY: JH

ELECTRICAL LIGHTING COMPLIANCE

DRAWING NUMBER:
E05.03

ELECTRICAL LIGHTING COMPLIANCE

NTS
00D-E0501-A00-DETL
A
08/10/18

SECTION 260000 - BASIC ELECTRICAL REQUIREMENTS

A. NOTE

1. THE ABBREVIATION BBWI WHEREVER IT APPEARS IN THESE ELECTRICAL DRAWINGS AND/OR SPECIFICATIONS SHALL REFER TO "BATH & BODY WORKS, INC.". ANY REFERENCE TO TENANT'S PROJECT MANAGER OR FURNISHED BY ANY OF THE ABOVE REFERS TO BBWI.
2. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND ALL OTHER SPECIFICATION SECTIONS, APPLY TO THIS AND THE OTHER SECTIONS OF DIVISION 26.
3. THE CONTRACTOR FOR THIS DIVISION OF WORK IS REQUIRED TO READ THE SPECIFICATIONS AND REVIEW DRAWINGS FOR ALL DIVISIONS OF WORK AND IS RESPONSIBLE FOR THE COORDINATION OF THIS WORK AND THE WORK OF HIS OR HER SUBCONTRACTORS WITH ALL DIVISIONS OF WORK. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDE HIS OR HER SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.
4. THIS ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE COMPLETION AND INSPECTION OF THIS WORK TO COMPLY WITH THE BBWI SCHEDULE AND THE PROJECT COMPLETION DATE.
5. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK. ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF HIS OR HER WORK.
6. REFER TO RESPONSIBILITY SCHEDULE ON SHEET E01.01 OF THIS SET FOR INFORMATION IN REGARD TO RESPONSIBILITY OF WORK OR ITEMS WHICH MAY AFFECT BID.

B. GENERAL REQUIREMENTS

1. THIS CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS. ALL WORK NOT SPECIFICALLY NOTED AS BEING BY THE LANDLORD OR BBWI SHALL BE PROVIDED BY THIS CONTRACTOR. CLOSELY COORDINATE THE ENTIRE INSTALLATION WITH THE LANDLORD AND THE BBWI PROJECT MANAGER, AS REQUIRED.
2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED AND INSTALLED EVEN THOUGH NOT SPECIFICALLY MENTIONED IN BOTH. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK, AND WHICH IS USUALLY INCLUDED IN WORK OF SIMILAR CHARACTER, SHALL BE FURNISHED AND INSTALLED AS PART OF CONTRACT.
3. WHERE THE DRAWINGS OR SPECIFICATIONS CALL FOR ITEMS WHICH EXCEED CODES OR THE LANDLORD'S TENANT CRITERIA, THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE SYSTEM WITH THE MORE STRINGENT REQUIREMENTS AS DESIGNED AND DESCRIBED ON THESE DRAWINGS, UNLESS SPECIFICALLY NOTED OTHERWISE.
4. ALL WORK IN THIS SECTION SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING, AND REPAIRING. THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT SERVICE ACCESS TO ALL EQUIPMENT.
5. ALL WORK SHALL BE PERFORMED IN A NEAT PROFESSIONAL MANNER USING GOOD CONSTRUCTION PRACTICES.
6. UNLESS SPECIFICALLY NOTED OTHERWISE, MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW, UNDERWRITERS LABORATORIES LISTED AND LABELED AND SIZED IN CONFORMITY WITH REQUIREMENTS OF STATE AND LOCAL CODES, WHICHEVER IS MORE STRINGENT.
7. THIS CONTRACTOR SHALL DO ALL CUTTING, CHASING AND CHANNELING REQUIRED FOR ANY WORK UNDER THIS DIVISION. CUTTING SHALL HAVE PRIOR APPROVAL BY BBWI PROJECT MANAGER AND THE LANDLORD. ALL PATCHING SHALL BE BY G.C. AND SHALL MATCH THE SURROUNDING SURFACES.
8. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.

C. TEMPORARY LIGHT AND POWER

1. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL TEMPORARY WIRING AND RELATED GROUND FAULT INTERRUPTION PROTECTION FOR LIGHT AND POWER FOR ALL CONTRACTORS AND IS RESPONSIBLE FOR ITS REMOVAL
2. ALL TEMPORARY LIGHTING WILL CONFORM WITH OSHA STANDARDS.
3. THE GENERAL CONTRACTOR SETS UP ALL ELECTRICAL UTILITIES IN THE NAME OF BATH & BODY WORKS, INC. BATH & BODY WORKS, INC. PAYS FOR ALL UTILITIES THROUGHOUT CONSTRUCTION.

D. CODES

1. ALL WORK SHALL CONFORM TO THE LANDLORDS' CRITERIA, THE STATE'S, COUNTY'S, CITY'S, PROVINCE AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA/NFPAC CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. THIS CONTRACTOR SHALL INQUIRE INTO AND COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. THIS CONTRACTOR SHALL INCLUDE ANY CHANGES REQUIRED BY CODES IN THE BID AND IF THESE CHANGES ARE NOT INCLUDED IN THE BID, THEY SHALL BE QUALIFIED AS A SEPARATE LINE ITEM IN THE BID. AFTER CONTRACT IS AWARDED, CHANGE ORDERS FOR INCREASED COSTS DUE TO CODE ISSUES WILL NOT BE ACCEPTED BY BBWI, UNLESS ALLOWANCES HAVE PREVIOUSLY BEEN AGREED UPON.

E. LICENSES, PERMITS, INSPECTIONS & FEES

1. THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED OR RELATED TO HIS OR HER WORK.
2. FURNISH TO THE BBWI'S PROJECT MANAGER ALL CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT COMPLETION OF PROJECT.

F. TRADE NAMES, MANUFACTURERS AND SHOP DRAWINGS

1. WHERE TRADE NAMES AND MANUFACTURERS ARE USED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE USED AS A MINIMUM FOR THE BASE BID. MANUFACTURERS CONSIDERED AS AN EQUAL OR BETTER IN ALL ASPECTS TO THAT SPECIFIED WILL BE SUBJECT TO APPROVAL IN WRITING BY BBWI'S PROJECT MANAGER THROUGH SHOP DRAWING SUBMITTAL PROCESS FOR ACCEPTANCE PRIOR TO INSTALLATIONS. THE USE OF ANY UNAUTHORIZED EQUIPMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
2. GENERAL CONTRACTOR SHALL SUBMIT ONLY SUBSTITUTION REQUESTS TO BBWI PROJECT MANAGER FOR APPROVAL. SUBMISSIONS SHALL BE MADE EARLY ENOUGH IN PROJECT TO ALLOW FOUR (4) WORKING DAYS FOR BBWI PROJECT MANAGER'S REVIEW WITHOUT CAUSING DELAYS OR CONFLICTS TO THE JOB'S PROGRESS. SUBMITTALS SHALL BEAR THE STAMP OF THE GENERAL CONTRACTOR AND THE SUBCONTRACTOR SHOWING THAT HE HAS REVIEWED AND CONFIRMED THAT THE SUBMITTALS ARE IN CONFORMANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS OR INDICATE WHERE EXCEPTIONS HAVE BEEN TAKEN.

G. GUARANTEE

1. THIS CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORK PROVIDED UNDER HIS OR HER CONTRACT AND SHALL MAKE GOOD, REPAIR OR REPLACE AT HIS OR HER OWN EXPENSE, ANY DEFECTIVE WORK, MATERIAL, OR EQUIPMENT WHICH MAY BE DISCOVERED WITHIN A PERIOD OF 12 MONTHS FROM THE DATE OF ACCEPTANCE OF THE INSTALLATION BY BBWI'S PROJECT MANAGER (IN WRITING). EXTENDED WARRANTIES ARE AS SPECIFIED WITH INDIVIDUAL EQUIPMENT.
2. THE EQUIPMENT MANUFACTURER SHALL GUARANTEE AND PROVIDE A 12 MONTH GUARANTEE TO BBWI FROM THE DATE OF ACCEPTANCE. THE CONTRACTOR SHALL WARRANT THE INSTALLATION OF THIS EQUIPMENT AND WILL BE RESPONSIBLE FOR ANY DAMAGE AND/OR MALFUNCTION CAUSED BY THE INSTALLATION. THIS CONTRACTOR SHALL NOT BEAR ADDITIONAL WARRANTIES BEYOND A COMPLETE WORKING SYSTEM.

H. RECORD DRAWINGS

1. THIS CONTRACTOR SHALL MAINTAIN ONE SET OF DRAWINGS ON THE JOB SITE UPDATED WEEKLY TO RECORD ALL DEVIATIONS FROM CONTRACT DRAWINGS, SUCH AS:
   a. LOCATION OF CONCEALED PULLBOXES.
   b. REVISIONS, ADDENDUMS, AND CHANGE ORDERS.
   c. SIGNIFICANT DEVIATIONS MADE NECESSARY BY FIELD CONDITIONS, APPROVED EQUIPMENT SUBSTITUTIONS, AND CONTRACTOR'S COORDINATION WITH OTHER TRADES.
2. AT COMPLETION OF THE PROJECT AND BEFORE FINAL APPROVAL, THIS CONTRACTOR SHALL MAKE ANY FINAL CORRECTIONS TO DRAWINGS AND CERTIFY THE ACCURACY OF EACH PRINT BY SIGNATURE THEREON. FAILURE TO KEEP THESE RECORDS WILL ALLOW BBWI TO DIRECT THE GENERAL CONTRACTOR TO PROVIDE THESE RECORDS AT HIS OR HER EXPENSE PRIOR TO FINAL PAYMENT.

I. DISCREPANCIES IN DOCUMENTS

1. DRAWINGS (PLANS, SPECIFICATIONS, AND DETAILS) ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE MECHANICAL SYSTEMS. WHERE DRAWINGS, EXISTING SITE CONDITIONS, SPECIFICATIONS OR OTHER TRADES CONFLICT OR ARE UNCLEAR, ADVISES THE GENERAL CONTRACTOR IN WRITING, PRIOR TO SUBMITTAL OF BID. THE GENERAL CONTRACTOR IS RESPONSIBLE TO ADVISE BBWI'S PROJECT MANAGER, IN WRITING, OF VARIATIONS TO CONTRACT DOCUMENTS PRIOR TO SUBMISSION OF BID. OTHERWISE, BBWI PROJECT MANAGER'S INTERPRETATION OF CONTRACT DOCUMENTS OR CONDITIONS SHALL BE FINAL WITH NO ADDITIONAL COMPENSATION PERMITTED.

J. PHASING REQUIREMENTS

1. THIS CONTRACTOR IS TO INCLUDE IN HIS OR HER BID ALL NECESSARY SERVICE REQUIRED TO KEEP THE OPERATING PHASE OF THE STORE'S HVAC, ELECTRICAL, PLUMBING AND SPRINKLER SERVICE IN OPERATION. CONTRACTOR SHALL SCHEDULE IN WRITING WITH BBWI'S PROJECT MANAGER AND THE LANDLORD ONE WEEK PRIOR TO ANY SHUT DOWN OF THE HVAC, PLUMBING OR FIRE PROTECTION SYSTEMS.

K. DEMOLITION

1. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE DEMOLITION OF EXISTING WORK AND THE DEMOLITION PROVIDED BY THE GENERAL CONTRACTOR. COORDINATE WITH THE GENERAL CONTRACTOR ANY EXISTING EQUIPMENT REQUIRED TO BE LEFT INTACT.
2. THIS CONTRACTOR SHALL INCLUDE, AND WILL BE HELD RESPONSIBLE FOR, THE REMOVAL OF ALL EXISTING CONDUIT, FIRE ALARM SYSTEM, SWITCH GEAR, PITCH POCKETS AND EQUIPMENT ETC.. UNLESS SPECIFICALLY NOTED OTHERWISE. CONTRACTOR SHALL VERIFY WITH THE LANDLORD ALL PRESUMED ABANDONED EQUIPMENT, CONDUIT AND SWITCH GEAR PRIOR TO REMOVAL. PITCH POCKETS SHALL BE REMOVED AND THE ROOF PATCHED, AS REQUIRED BY THE LANDLORD. ALL EXTRANEOUS ITEMS IN THE SPACE OR ON THE ROOF NOT APPLICABLE TO THE NEW WORK SHALL BE REMOVED AND ROOF/WALL/FLOOR PATCHED/REPAIRED TO LIKE NEW CONDITION. EXISTING ABANDONED CONDUIT OR EQUIPMENT IN THE FLOOR, EMBEDDED IN CONCRETE, OR OTHERWISE INACCESSIBLE, ARE TO BE CUT OFF AND SEALED BELOW OR WITHIN FLOOR OR WALL LEVEL WHEN THEY ARE NOT TO BE REUSED IN THIS PROJECT. IF REQUIRED BY LANDLORD OR CODES, ABANDONED CONDUIT SHALL BE REMOVED TO POINT OF ORIGINATION. CONFIRM EXTENT OF DEMOLITION PRIOR TO BID AND INCLUDE IN PROPOSAL.
3. ALL UNUSED COMMUNICATION, DATA, AND LOW VOLTAGE CABLING IS TO BE REMOVED IN ACCORDANCE WITH N.E.C. 725.(3)B AND 760.3(A).

L. SLEEVES

1. THIS CONTRACTOR SHALL PROVIDE SLEEVES TO PROTECT EQUIPMENT OR FACILITIES IN THE INSTALLATION. EACH SLEEVE SHALL EXTEND THROUGH ITS RESPECTIVE FLOOR, WALL OR PARTITION AND SHALL BE CUT FLUSH WITH EACH SURFACE EXCEPT SLEEVES THAT PENETRATE THE FLOOR, WHICH SHALL EXTEND 2" ABOVE THE FLOOR. CONTRACTOR SHALL COORDINATE THROUGH THE LANDLORD ANY CORE DRILLING OR CUTTING OF OPENINGS IN MASONRY FLOORS OR WALLS.
2. ALL SLEEVES AND OPENINGS THROUGH FIRE RATED WALLS AND/OR FLOORS SHALL BE FIRE SEALED WITH CALCIUM SILICATE, SILICONE "RTV" FOAM, "3M" FIRE RATED SEALANTS OR EQUAL, SO AS TO RETAIN THEIR FIRE RATING.
3. SLEEVES IN BEARING AND MASONRY WALLS, FLOORS, AND PARTITIONS SHALL BE STANDARD WEIGHT STEEL PIPE FINISHED WITH SMOOTH EDGES. FOR OTHER THAN MASONRY PARTITIONS, THROUGH SUSPENDED CEILINGS, OR FOR CONCEALED VERTICAL PIPING, SLEEVES SHALL BE NO. 22 U.S.G. GALVANIZED STEEL MINIMUM.

M. HANGERS

1. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL SUCH AS ANGLE IRON, BANDS, C-CLAMPS WITH RETAINING CLIPS, CHANNELS, HANGER RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK.
2. HANGERS SHALL BE FASTENED TO BUILDING STEEL, CONCRETE, OR MASONRY, BUT NOT TO PIPING. HANGING FROM METAL DECK IS NOT PERMITTED. HANGERS SHALL BE ATTACHED TO UPPER CHORD OF BAR JOIST. WHERE INTERFERENCES OCCUR, AND IN ORDER TO SUPPORT DUCTWORK OR PIPING, THE CONTRACTOR SHALL INSTALL TRAPEZE TYPE HANGERS OR SUPPORTS WHICH SHALL BE LOCATED WHERE THEY DO NOT INTERFERE WITH ACCESS TO FIRE DAMPERS, VALVES, AND OTHER EQUIPMENT. HANGER TYPES AND INSTALLATION METHODS ARE ALSO SUBJECT TO LANDLORD CRITERIA.
3. HANGERS FOR ALL INSULATED PIPING SHALL BE SIZED AND INSTALLED FOR THE OUTER DIAMETER OF INSULATION. INSTALL 6" LONG SPLIT CIRCLE GALVANIZED SADDLE BETWEEN THE HANGER AND THE PIPE INSULATION.
4. HANGERS AND PIPING OF DISSIMILAR METALS SHALL BE DI-ELECTRICALLY SEPARATED.

N. FINAL ELECTRICAL INSPECTION

1. ASIDE FROM NORMAL INTERIM INSPECTIONS OF WORK IN PLACE, BBWI MAY HAVE AN INDEPENDENT ELECTRICAL CONTRACTOR INSPECT THE FINISHED ELECTRICAL INSTALLATION UPON COMPLETION FOR COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODES. THE INSTALLING CONTRACTOR WILL BE RESPONSIBLE TO BRING ALL ITEMS REPORTED BY THE INDEPENDENT ELECTRICAL CONTRACTOR UP TO PLANS AND SPECIFICATION REQUIREMENTS.

O. SCOPE OF WORK

1. THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, AND FACILITIES NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL THE WORK FOR THE ELECTRICAL SYSTEMS AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
   a. A COMPLETE ELECTRICAL DISTRIBUTION SYSTEM INCLUDING THE INSTALLATION OF BBWI FURNISHED POWER DISTRIBUTION SYSTEM UNIT, SAFETY SWITCHES, DISCONNECT SWITCHES AND MOTOR STARTERS (SOMETIMES FURNISHED AND INSTALLED BY CONTRACTOR), AND LIGHTING. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO INCLUDE IN HIS OR HER BID FOR PROVIDING SERVICE EQUIPMENT NECESSARY FOR TIE-IN TO LANDLORD'S DISTRIBUTION EQUIPMENT OR TO OBTAIN SERVICE FROM LOCAL UTILITY COMPANY. REFER TO ELECTRICAL RESPONSIBILITY SCHEDULE AND ELECTRICAL POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
   b. CONTRACTOR SHALL INCLUDE IN BID ALL NECESSARY MATERIALS REQUIRED TO COMPLETE THE SYSTEM INCLUDING, BUT NOT LIMITED TO, FEEDERS, BRANCH CIRCUITS, JUNCTION BOXES, OUTLET BOXES, WIRING DEVICES, COVERPLATES, CONDUITS, MOTOR STARTERS, DISCONNECTS, ETC.
   c. METERING AND CURRENT TRANSFORMERS AS REQUIRED BY DRAWINGS, BBWI, UTILITY COMPANY, AND/OR LANDLORD.
   d. THE WIRING OF MECHANICAL EQUIPMENT AS OUTLINED ON THE BID SET DRAWINGS AND IN THE SPECIFICATIONS. WORK SHALL INCLUDE WIRING OF ALL STARTERS, DISCONNECTS, AND POWER WIRING OF MECHANICAL EQUIPMENT EXCEPT AS SPECIFICALLY NOTED OTHERWISE. ALL LOW VOLTAGE (24 VOLT) EMS TEMPERATURE CONTROL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR UNLESS NOTED SPECIFICALLY ON DRAWING.
   e. INSTALLATION OF LIGHT FIXTURES AND LAMPS AS SHOWN ON THE DRAWINGS INCLUDING ALL DEVICES, EQUIPMENT, ETC. REQUIRED FOR MOUNTING.
   f. A COMPLETE CONDUIT SYSTEM FOR TELEPHONE/DATA AND TRAFFIC COUNTER INCLUDING BRANCH CONDUITS, OUTLET BOXES, PULL WIRES, GROUND CONDUCTORS, COVER PLATES, ETC. OR AS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
   g. A COMPLETE EMERGENCY AND EXIT LIGHTING SYSTEM AS SHOWN ON THE DRAWINGS.
   h. TEMPORARY SERVICE AS INDICATED IN THE SPECIFICATIONS, INCLUDING ITS REMOVAL.
   i. FINAL CONNECTIONS TO ALL SIGNS, CORNICE LIGHTING, CASE LIGHTING, ETC. AS SHOWN ON DRAWINGS.
   j. INSTALLATION AND WIRING OF SPEAKERS, AMPLIFIERS, CONDUIT AND FINAL CONNECTIONS FOR SOUND SYSTEM AS SHOWN.
   k. SMOKE/FIRE ALARM WIRING, DEVICES AND CONDUIT, AS SHOWN OR DESCRIBED ON DRAWINGS OR AS NECESSARY TO MEET LANDLORD, STATE, LOCAL, INSURANCE AND FIRE DEPARTMENT REQUIREMENTS.
   l. INSTALLATION OF CONDUITS STUBBED TO ABOVE CEILING FOR HVAC. ALSO, ANY ADDITIONAL CONDUIT FOR HVAC CONTROL EQUIPMENT WHERE PLENUM RATED CABLES ARE NOT PERMITTED.
   m. BALANCING LOADS.
   n. AS-BUILT, PANEL DESCRIPTION AND CIRCUIT BREAKER SPECIFIC LABELING.
2. WORK NOT INCLUDED: THE FOLLOWING ITEMS OF ELECTRICAL CONSTRUCTION ARE NOT INCLUDED IN THIS CONTRACT:
   a. TELEPHONE INSTRUMENTS AND WIRING UNLESS NOTED OTHERWISE.
   b. DATA CABLE WIRING UNLESS NOTED OTHERWISE.
3. BEFORE STARTING WORK, THIS CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, STRUCTURAL, FIRE PROTECTION, MECHANICAL AND PLUMBING PLANS, SHOP DRAWINGS AND SPECIFICATIONS TO SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF THE ELECTRICAL SYSTEM, MATERIALS AND EQUIPMENT WITH OTHER CONTRACTORS TO AVOID INTERFERENCES AND CONFRONTATIONS.

P. CLEANING

1. AT THE END OF THE PROJECT, THIS CONTRACTOR SHALL CLEAN ALL EQUIPMENT, INCLUDING LIGHT FIXTURES, TO THE SATISFACTION OF BBWI. ALL DUST, DIRT, DEBRIS, AND FOREIGN MATTER SHALL BE REMOVED FROM ALL EQUIPMENT.

SECTION 260126 - MAINTENANCE TESTING OF ELECTRICAL SYSTEMS

A. ALL CONNECTIONS AT PANELS, LIGHTING CONTACTORS AND SWITCHES ARE TO BE MADE, ALL SPLICES COMPLETE, ALL FUSES IN PLACE, AND ALL CIRCUITS CONTINUOUS FROM POINT OF SERVICE CONNECTION TO ITS FINAL DESTINATION, AND ALL COVERS AND PLATES INSTALLED PRIOR TO THE TIME OF FINAL INSPECTION BY BBWI'S PROJECT MANAGER.

B. UPON COMPLETION OF THE WORK, ALL PARTS OF THE ELECTRICAL INSTALLATION SHALL BE TESTED AND PROVED FREE OF UNWANTED GROUNDS AND OTHER DEFECTS.

C. ALL OVERLOAD DEVICES, INCLUDING EQUIPMENT FURNISHED UNDER OTHER CONTRACTS, SHALL BE SET AND ADJUSTED TO SUIT THE LOAD CONDITIONS.

D. TEST AND MAKE CORRECTIONS/ADJUSTMENTS FOR PHASE BALANCING.

E. THIS CONTRACTOR IS TO BALANCE THE VOLTAGE LEAVING THE STEP-DOWN TRANSFORMER TO PROVIDE A SECONDARY VOLTAGE OF 120 MINIMUM TO 125 VOLTS MAXIMUM BY ADJUSTING THE TRANSFORMER TAPS ONCE ALL THE FINAL CONNECTIONS HAVE BEEN MADE TO THE LOW VOLTAGE PANELBOARD. INCLUDE FINAL BALANCE REPORT WITH AS-BUILT DRAWINGS.

SECTION 260519 - ELECTRICAL POWER CONDUCTORS AND CABLES

A. CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER AND THE AWG SIZE AND TYPE AS SHOWN ON DRAWINGS. MINIMUM WIRE SIZE SHALL BE #12 AND THE CONDUCTORS SHALL BE 600 VOLT INSULATION TYPE THW, THWN, THHN, OR RW90(CANADA).

B. MINIMUM WIRE SIZE – 20 AMP BRANCH CIRCUIT SHALL BE AWG LISTED. SIZE PER DISTANCE SHOWN BELOW. DISTANCE SHALL BE MEASURED FROM THE PANELBOARD CIRCUIT BREAKER TO THE FARTHEST OUTLET.
   1. #12 LESS THAN 100 FEET
   2. #10 BETWEEN 100 – 150 FEET
   3. #8 BETWEEN 150 – 250 FEET
   4. #6 OVER 250 FEET

C. ON ALL 20 AMP BRANCH CIRCUITS, CONDUCTORS LARGER THAN #10 AWG SHALL BE REDUCED TO #10 AWG WITHIN 10 FEET OF PANELBOARD AND DEVICE IN JUNCTION BOXES ON RATED TERMINAL STRIPS.

D. CONDUCTORS MAY BE STRANDED FOR SIZES #10 AWG AND LARGER. CONDUCTORS' SIZE #12 SHALL BE SOLID.

E. ALUMINUM CONDUCTORS ARE NOT PERMITTED, EXCEPT AT SERVICE ENTRANCE, WHERE REQUIRED BY LANDLORD. CONDUCTOR CONNECTION SHALL BE PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM GENERAL CONTRACTOR AND BBWI'S PROJECT MANAGER WHEN USED.

F. ALL WIRING SHALL BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE (I.E. LOW VOLTAGE PLENUM RATED WIRE).

G. THE USE OF ROMEX OR BX CABLE IS NOT PERMITTED. THE USE OF MC CABLE IS NOT PERMITTED IN CANADA.

H. WIRE CONNECTORS SHALL BE EQUAL TO "SCOTCH LOCK" FOR #8 AWG WIRE AND SMALLER AND EQUAL TO T & B "LOCKTIGHT" FOR #6 AWG AND LARGER.

SECTION 260523 - CONTROL VOLTAGE ELECTRICAL POWER CABLES

A. UNITED STATES

1. FURNISH AND INSTALL A SYSTEM OF CONDUIT RACEWAYS, OUTLET BOXES AND PULL WIRES AS SHOWN ON THE DRAWINGS UNLESS OTHERWISE NOTED ON PLANS. TELEPHONE SWITCHING APPARATUS, CONDUCTORS, INSTRUMENTS, MISCELLANEOUS EQUIPMENT AND APPURTENANCES ARE NOT PART OF THIS CONTRACT AND WILL BE PROVIDED AND INSTALLED BY BBWI.
2. OUTLET BOXES TO BE 4" SQUARE MINIMUM WITH SINGLE DEVICE COVER AND TELEPHONE PLATE.
3. CONDUIT RUNS FROM IFS ENCLOSURE OR MANAGER'S OFFICE FOR TELEPHONE AND DATA LINES TO CASHWRAPS ARE TO BE CONTINUOUS WITH NO JUNCTION BOXES EXCEPT AS NOTED OTHERWISE ON DRAWINGS.
4. ALL PULL WIRES ARE TO BE LABELED FOR PURPOSE DESIGNATED.
5. ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL ELECTRICAL WORK TO BE INCLUDED IN HIS OR HER BID.
6. ELECTRICAL CONTRACTOR SHALL DO ALL POWER WIRINGS, LINE VOLTAGE WIRINGS, AND LINE VOLTAGE CONTROL WIRING INDICATED UNDER THE HEATING, VENTILATION AND AIR CONDITIONING, PLUMBING AND FIRE PROTECTION SPECIFICATIONS AND DRAWINGS. THIS CONTRACTOR SHALL ALSO DO ALL INTERCONNECTING LINE VOLTAGE WIRINGS BETWEEN RELAYS AND SWITCHES AS REQUIRED.
7. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING CONDUIT FOR HVAC CONTROL WIRING WHERE REQUIRED BY CODE OR SHOWN ON PRINTS TO BE IN CONDUIT. REFER TO PLANS FOR REQUIREMENTS AND SIZE.
8. FIRE AND/OR SMOKE DAMPERS SHALL BE WIRED BY ELECTRICAL CONTRACTOR. COORDINATE WITH HVAC CONTRACTOR FOR POWER REQUIREMENTS.
9. REFER TO MECHANICAL DRAWINGS FOR AVAILABLE SCHEMATIC WIRING DIAGRAMS OF EQUIPMENT.

B. CANADA

1. ALL CCTV CABLES TO BE CATSE TYPE AND WHITE IN COLOR. 5'-0" LOOP OF CABLE TO BE LEFT AT DVR AND 10'-0" LOOP OF CABLE TO BE LEFT AT EQUIPMENT LOCATION END COILED UP IN CEILING.
2. ALL SECURITY/ADT CABLING TO BE 22/4 NON-SHIELDED FT6 TYPE. NO CONDUIT REQUIRED IF RUN WITHIN THE PLENUM. 5'-0" LOOP OF CABLE TO BE LEFT AT THE CONTROL PANEL END AND 5'-0" TO BE LEFT AT THE EQUIPMENT LOCATION COILED IN CEILING.

SECTION 260526-GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS

A. FURNISH AND INSTALL COMPLETE WIRED GROUNDING CONDUCTOR SYSTEM, #12 AWG MINIMUM, SIZED AND INSTALLED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES, THE LANDLORD'S TENANT CRITERIA, AS NOTED IN THE SPECIFICATIONS, AND AS INDICATED ON THE DRAWINGS.

B. ALL CONDUITS, INCLUDING FLEXIBLE METAL CONDUIT, SHALL BE GROUNDED WITH A GREEN GROUNDING CONDUCTOR.

C. GROUNDING CONNECTIONS MADE TO THE WATER PIPING SYSTEM SHALL BE COORDINATED WITH THE PLUMBING CONTRACTOR AND A BONDING JUMPER INSTALLED AROUND WATER METER PER CODES AND AS INDICATED ON DRAWINGS.

D. ALL DEVICES SHALL BE BONDED TO THE CONDUIT SYSTEM. USE A BONDING JUMPER BETWEEN THE OUTLET BOX AND THE DEVICE GROUNDING TERMINAL. METAL-TO-METAL CONTACT BETWEEN THE DEVICE YOKE AND THE OUTLET BOX IS NOT ACCEPTABLE AS A BOND FOR EITHER SURFACE MOUNTED BOXES OR FLUSH TYPE BOXES. ALL JUNCTION BOXES, OUTLET BOXES, AND PULL BOXES SHALL BE BONDED TO THE CONDUIT SYSTEM.

E. ALL ENCLOSURES AND NON-CURRENT CARRYING METAL PARTS ARE TO BE GROUNDED. CONDUIT SYSTEM IS TO BE ELECTRICALLY CONTINUOUS. ALL LOCKNUTS SHALL CUT THROUGH ENAMELED OR PAINTED SURFACES ON ENCLOSURES. WHERE ENCLOSURES AND NON-CURRENT CARRYING METAL PARTS ARE ISOLATED FROM THE CONDUIT SYSTEM, USE BONDING JUMPERS WITH APPROVED CLAMPS. ALL GROUND CLAMPS SHALL BE "PENN-UNION" OR EQUAL, SIMILAR TO "GPL" TYPE.

SECTION 260533-RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS

A. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUITS SERVING ALL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, LIGHTING, RECEPTACLES, HEATING, AIR CONDITIONING, PLUMBING EQUIPMENT, TELEPHONE, DATA, SPEAKERS, SECURITY, PAGER, TRAFFIC COUNTING SYSTEM AND ELECTRICAL EQUIPMENT.

B. ALL CONDUITS SHALL BE GALVANIZED IMC OR EMT UNLESS OTHERWISE SPECIFIED IN SPECIFICATIONS OR ON DRAWINGS. ALL CONDUIT IS TO BE UL/ULC LABELED. EMT CONNECTORS SHALL BE STEEL COMPRESSION OR SET SCREW TYPE. CONDUIT UNDER SLAB ON GRADE SHALL BE RIGID STEEL, OR SCHEDULE 40 PVC WITH RIGID STEEL ELLS WHERE PERMITTED BY LANDLORD OR CODE.

C. MINIMUM SIZE OF CONDUIT SHALL BE:
   1. MAIN FEEDER CONDUIT TO 2" OR LARGER FOR ALL APPLICATIONS.
   2. 1/2" MINIMUM FOR ALL LOCATIONS (IF ACCEPTABLE BY THE LANDLORD AND LOCAL CODE OFFICIALS), UNLESS NOTED OTHERWISE IN PLANS, SPECIFICATIONS, OR DRAWINGS.
   3. IF HVAC CONTROL WIRING IS REQUIRED TO BE RUN IN CONDUIT, IT SHALL BE A MINIMUM OF 3/4", UNLESS NOTED OTHERWISE ON DRAWINGS.
   4. ALL IN/UNDER FLOOR CONDUIT SHALL BE OF MINIMUM 3/4" SIZE.
   5. ALL FIRE ALARM CONDUIT SHALL BE OF MINIMUM 3/4" SIZE.

D. SUPPORT ALL CONDUIT, INCLUDING SEISMIC AND SWAY BRACING, IN ACCORDANCE WITH THE LOCALLY ADAPTED CODES.

E. GENERALLY, ALL CONDUIT SHALL BE CONCEALED EXCEPT FOR UNFINISHED AREAS, SUCH AS EQUIPMENT ROOMS. EXPOSED CONDUIT SHALL BE ALLOWED ONLY AS NOTED ON PLAN AND AS APPROVED BY BBWI'S PROJECT MANAGER. PAINT

GENERAL NOTES

ALL NOTES INCLUDED HEREIN ARE MADE PART OF EACH AND ALL MECHANICAL, ELECTRICAL AND PLUMBING SECTIONS OF WORK.

1. REFER TO LANDLORD'S SPECIFICATIONS AND TENANT DESIGN CRITERIA FOR NECESSARY INFORMATION AND COORDINATION WITH OTHER TRADES.
2. THE ABBREVIATION BBWI WHEREVER IT APPEARS IN THE DRAWINGS, SHALL REFER TO "BATH & BODY WORKS, INC.". ANY REFERENCE TO TENANT, BRAND SPECIFIC (VICTORIA'S SECRET, ETC.) OR FURNISHED BY ANY OF THE ABOVE REFERS TO BBWI.
3. ANY DISCREPANCY BETWEEN BBWI DRAWINGS AND TENANT CRITERIA, BBWI DRAWINGS SHALL TAKE PRECEDENCE.
4. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT ALL INSTALLED ITEMS AND LOCATIONS ARE NOT EXACTLY PLACED AND ARE NOT TO BE SCALED.
5. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELATED PERMITS AND INSPECTION FEES.
6. BEFORE COMMENCING ANY WORK, CONTRACTORS SHALL REVIEW THE LATEST NATIONAL, STATE AND LOCAL CODE REQUIREMENTS INCLUDING LANDLORD CRITERIA AND PERFORM THE WORK IN STRICT ACCORDANCE WITH THESE. IN CASE OF CONFLICT THE STRICTER REQUIREMENTS WILL PREVAIL.
7. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR ANY CHANGE ORDERS DUE TO CONTRACTOR'S FAILURE TO VISIT THE JOBSITE AND/OR PREDETERMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING HIS BID.
   A. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. FOR THE PURPOSE OF SURVEYING EXISTING CONDITIONS, WHICH MAY AFFECT THE WORK TO BE DONE UNDER THIS SECTION, ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE GENERAL CONTRACTOR, BBWI OR THE LANDLORD'S FIELD REPRESENTATIVE FOR CLARIFICATION.
   B. AFTER BID, ANY QUESTIONS RELATING TO SPECIFIC M, E, OR P ISSUES ARE TO BE DIRECTED AS RFI'S THROUGH THE BBWI PROJECT MANAGER.
   C. SHOULD THE SPACE HAVE BEEN INACCESSIBLE FOR INSPECTION CONTRACTOR MUST INDICATE SO ON HIS BID.
8. THE GENERAL CONTRACTOR'S FIRE SPRINKLER SUBCONTRACTOR SHALL DESIGN AND INSTALL FIRE SPRINKLER SYSTEM CONFORMING TO LANDLORD'S CRITERIA, TENANT'S REQUIREMENTS AND PER LOCAL CODES AND NFPA STANDARDS.
9. THE CONTRACTOR, WITHIN FIFTEEN (15) DAYS OF THE AWARD OF THE CONTRACT, SHALL SUBMIT TO THE OWNER, SIX (6) COPIES OF A COMPLETE LIST OF MATERIALS AND EQUIPMENT PROPOSED FOR THE JOB INCLUDING ALL DATA, PART NUMBERS, RATING CAPACITY, SIZE, DIMENSIONS, ELECTRICAL DATA, GRADE, MANUFACTURER, AND ANY OTHER DESCRIPTIVE DATA FOR ALL EQUIPMENT OR SYSTEMS THAT DEVIATE FROM SPECIFIED ITEMS. ANY DELAYS OR COSTS DUE TO THESE DEVIATIONS, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL UNUSED OR ABANDONED MATERIALS AND EQUIPMENT, AND ITS REMOVAL OFF THE LANDLORD'S PREMISES.
11. OWNER RESERVES THE RIGHT TO HAVE CONSTRUCTION REVIEWED BY AN OUTSIDE CONSULTANT PRIOR TO ACCEPTANCE OF THE PROJECT.
12. EACH CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP RELATED TO HIS WORK FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE WHICH THE OWNER ACCEPTS THE PROJECT. THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER OR TENANT SHALL CORRECT ANY DEFECTS IN MATERIALS OR WORKMANSHIP DURING THIS GUARANTEE PERIOD.
13. EACH CONTRACTOR SHALL BE RESPONSIBLE AND ENSURE A CLEAN INSTALLATION ESPECIALLY IN EXPOSED CEILING AREAS. THE FINAL APPROVAL OF THIS WORK WILL BE ISSUED BY BBWI PROJECT MANAGER.
14. PROVIDE ONE SETS OF "AS-BUILT" DRAWINGS INTO PLAN TUBE AND ONE BOUND SETS OF ALL OPERATIONS MANUALS, DIAGRAMS, SERVICE CONTRACTS AND GUARANTEES IN BINDER TO STORE MANAGER. A REPORT PREPARED IN ACCORDANCE WITH MECHANICAL SPECIFICATIONS BY AN INDEPENDENT AIR BALANCE CONTRACTOR, HIRED BY GC, MUST BE INCLUDED IN THE CLOSE-OUT PACKAGE.

HVAC GENERAL NOTES

1. THESE PLANS MAY BE USED FOR CONSTRUCTION ONLY AFTER APPROVAL IS OBTAINED FROM THE BUILDING DEPARTMENT MECHANICAL PLAN CHECK DIVISION AND THAT DIVISION'S STAMPED APPROVAL AND AUTHORIZED SIGNATURE APPEAR ON THE PLANS.
2. COORDINATE ALL WORK WITH ALL TRADES INCLUDED BUT NOT LIMITED TO ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL CONTRACTORS. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL AND STRUCTURAL MEMBERS. NO ITEM SUCH AS PIPE, DUCT, ETC. IS TO COME IN CONTACT WITH ANY EQUIPMENT.
3. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION WORK.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE LOCATION.
5. CONTRACTOR SHALL PROVIDE CUT SHEETS TO BBWI FOR ALL EQUIPMENT AND DEVICES FURNISHED BY THE CONTRACTOR THAT DEVIATE FROM SPECIFIED ITEM FOR REVIEW AND APPROVAL PRIOR TO THE PURCHASE OF ANY SUCH EQUIPMENT OR DEVICES.
6. HVAC CONTRACTOR IS RESPONSIBLE TO INQUIRE WITH THE LANDLORD'S REPRESENTATIVE ON ANY SMOKE EVACUATION SYSTEM IN USE AT THE MALL AT THE TIME OF THE BID. IF THE SAID SYSTEM IS NOT ADEQUATELY DESCRIBED ON THE DRAWINGS, THE MECHANICAL CONTRACTOR IS RESPONSIBLE TO INFORM THE GENERAL CONTRACTOR AND INCLUDE THE COST AS A SEPARATE LINE ITEM IN THE BID. NO ADDITIONAL MONEYS SHALL BE AWARDED FOR TIE-IN REQUIREMENTS TO A LANDLORD'S SMOKE EVACUATION SYSTEM THAT IS IN EXISTENCE AT THE TIME OF THE BID, WITHOUT HAVING IDENTIFIED A SEPARATE LINE ITEM FOR THE SMOKE EVACUATION SYSTEM AT THE TIME OF THE BID.
7. ACCESS TO ALL COMPONENTS AND EQUIPMENT MUST BE PROVIDED TO MEET CODE AND SERVICE/MAINTENANCE EASE.
8. PRIOR TO STARTUP OF HVAC EQUIPMENT, MECHANICAL CONTRACTOR WILL CONFIRM WITH ONE OF THE LISTED HVAC MANUFACTURER REPRESENTATIVES THAT CORRECT POWER FOR EQUIPMENT HAS BEEN PROVIDED TO BBWI PROVIDED HVAC UNITS AND HAS BEEN TURNED ON FOR A MINIMUM OF 24 HOURS. BBWI RESERVES THE RIGHT TO CHECK CONSTRUCTION COMPLIANCE WITH PLANS AND SPECIFICATIONS. SHOULD THE OWNER FIND CORRECTIVE WORK TO BE NECESSARY, HE WILL NOTIFY CONTRACTOR OF SUCH WORK IN WRITING AND EXPECT COMPLIANCE PERFORMED WITH DUE DILIGENCE. IF ANY CORRECTIVE WORK IS DEEMED TO BE NECESSARY, THE COST OF REINSPECTIONS WILL BE BORNE BY THE CONTRACTOR. THE MECHANICAL CONTRACTOR WILL THEN ENSURE THAT THE EQUIPMENT IS POWERED FOR A MINIMUM OF 24 HRS BEFORE START-UP.
9. IF WORK IS REQUIRED BY BBWI IN ORDER TO IMPROVE, CHANGE OR CORRECT AIR CONDITIONING OPERATIONAL CONDITIONS DUE TO: PART MALFUNCTION, WARRANTY OR OTHER INABILITY TO PROVIDE THE COMFORT CONDITIONS REQUIRED BY THE STORE, CONTRACTOR SHALL BE DIRECTED BY BBWI TO ADDRESS THIS WORK IN A TIMELY MANNER. IF IT BECOMES EVIDENT THAT THE CONTRACTOR CANNOT ACCOMPLISH THE TASK, THEN AFTER 72 HOURS OF WRITTEN NOTICE THE OWNER MAY, AT HIS DISCRETION, TAKE OVER SUCH WORK AND BACK CHARGE THE CONTRACTOR FOR ANY CORRECTIVE WORK THAT WAS REQUIRED DUE TO LACK OF PERFORMANCE, WORKMANSHIP AND/OR ADHERENCE TO PLANS AND SPECIFICATIONS.
10. UPON COMPLETION OF THE WORK, CONTRACTOR SHALL VERIFY THE PROPER WORKING ORDER OF THE SYSTEM(S) AND MAKE ANY ADJUSTMENTS AS REQUIRED.
11. PROVIDE FILTER CHANGES THROUGHOUT CONSTRUCTION AS REQUIRED FOR ALL HVAC EQUIPMENT. PROVIDE FILTER CHANGES AT LEAST TWICE MONTHLY ONCE STARTED, PRIOR TO TEST AND BALANCE, AND LASTLY, PRIOR TO MERCHANDISING. ANY EQUIPMENT OR DUCTWORK THAT BECOMES SOILED DUE TO A LACK OF FILTER CHANGES, AS DETERMINED SOLELY BY THE BBWI PROJECT MANAGER, SHALL BE CORRECTED ON BEHALF OF THE CONTRACTOR AND CHANGES BILLED TO THE CONTRACTOR.
12. NOTES TO EQUIPMENT SCHEDULES USE THE WORDS "FURNISH" AND "PROVIDE". WHERE THE WORD "FURNISH" IS USED, SOME FIELD INSTALLATION IS REQUIRED BY THE CONTRACTOR. WHERE THE WORD "PROVIDE" IS USED, NO FIELD INSTALLATION IS REQUIRED AS THE DEVICES OR ACCESSORIES ARE FURNISHED AND INSTALLED BY THE MANUFACTURER AS PART OF THE EQUIPMENT WHEN SHIPPED.
13. UNLESS OTHERWISE SPECIFIED, CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, MATERIAL, LABOR AND SUPERVISION NECESSARY TO COMPLETE THE HEATING, VENTILATING AND AIR CONDITIONING WORK IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARDS AS OUTLINED HEREIN. SEE RESPONSIBILITY SCHEDULE ON SHEET M04.01.
14. MECHANICAL CONTRACTOR SHALL FIELD MEASURE EXISTING ROOF CURB(S) FOR CURB ADAPTER(S), WHERE APPLICABLE, AND SHALL SUPPLY DIMENSIONS TO BBWI HVAC SUPPLIER PRIOR TO START OF CONSTRUCTION.
15. ALL HEATING VENTILATING AND AIR CONDITIONING EQUIPMENT SHALL BE CLEARLY IDENTIFIED WITH TENANT'S NAME, SPACE NUMBER AND UNIT DESIGNATION AND SHALL BE STENCILED IN 4" HIGH BLACK LETTERS.
16. FURNISH AND INSTALL ALL NEW DUCTWORK INCLUDING INSTALLATION OF OWNER SUPPLIED ITEMS.
   A. ALL MATERIAL SHALL BE NEW AND OF COMMERCIAL GRADE AND BEAR UNDERWRITER'S LABORATORY AND UNION LABELS WHERE SUCH LABELING APPLIES.
   B. ALL PLENUMS SHALL BE FABRICATED FROM GALVANIZED SHEET METAL OF THE APPROPRIATE GAUGE AND BE INSULATED WITH A MINIMUM OF 1" THICK, 0.75 LB/CU.FT. DENSITY FIBERGLASS INSULATION WITH ALUMINUM FOIL BACKED VAPOR BARRIER.
   C. WHERE DESIGNATED, BRANCHES FROM MAIN LOW VELOCITY TRUNK DUCTWORK SHALL BE FURNISHED WITH SPLITTERS, DAMPERS OR SIMILAR BALANCING DEVICES IN ACCORDANCE WITH THE STANDARDS OF SMACNA.
   D. ALL DUCTS FOR FINAL CONNECTION TO DIFFUSERS SHALL BE CLASS 1. UL LISTED (SL 181) FLEXIBLE AIR DUCT NOT TO EXCEED 4'-0" IN LENGTH (THERMAFLEX, GLASFLEX, OR APPROVED EQUAL).
   E. RECTANGULAR SUPPLY AND RETURN AIR DUCTS – PLENUM OR DUCTED RETURN AIR SYSTEM: DUCT SIZES SHOWN ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. ALL RECTANGULAR DUCTWORK (SUPPLY AND RETURN) SHALL BE EXTERNALLY INSULATED PER SPECIFICATIONS.
   F. HANGER WIRES, DUCT STRAPS, FASTENING DEVICES, ETC. SHALL BE FASTENED TO THE STEEL JOISTS AND/OR BEAMS ABOVE. DO NOT ATTACH ANY SUCH ITEMS DIRECTLY TO FLOOR SLABS, PIPING, OTHER DUCTWORK, ELECTRICAL CONDUITS OR THE ROOF DECK ABOVE.
   G. ADDITIONAL FIRE DAMPERS SHOULD BE INSTALLED AS REQUIRED BY ANY APPLICABLE CODES AND/OR JURISDICTIONAL AUTHORITIES.
17. SEAL AROUND PIPES AND DUCTS PENETRATING FIRE SEPARATIONS WITH LISTED AND APPROVED FIRE SEAL MATERIAL. ONLY LISTED AND APPROVED SEALANTS AND METHODS FOR THE SPECIFIC USE WILL BE PERMITTED.
18. MECHANICAL CONTRACTOR SHALL INSTALL TEMPERATURE SENSORS AND AS SHOWN ON THE PLAN (VERIFY LOCAL CODES. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT BBWI PROJECT MANAGER FOR DIRECTION.)
19. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL FULLY PRESSURE CHECK AND CHARGE ALL REFRIGERANT SYSTEMS (IF REQUIRED).
20. THE CONTRACTOR SHALL ENGAGE THE SERVICES OF, AIR/WATER BALANCING COMPANY THAT IS PROVIDED BY LDS&C. THIS COMPANY SHALL PERFORM THE BALANCING OF AIR/WATER SYSTEM(S) AND MAKE ANY REQUIRED ADJUSTMENTS TO ENSURE PROPER WORKING ORDER. UPON COMPLETION, THE BALANCING COMPANY SHALL PROVIDE A COMPLETE SYSTEM REPORT.

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PRCTI20221802

MECHANICAL GENERAL NOTES | NTS | 00N-M0101-J00-NOTE | N 02/22/16

(1)
WSEC REQUIREMENTS:
- INDICATE IN PLANS THAT PROJECT CLOSE OUT DOCUMENTATION AND TRAINING OF BUILDING OPERATIONS PERSONNEL IS REQUIRED FOR ALL MECHANICAL COMPONENTS, EQUIPMENT, AND SYSTEMS GOVERNED BY THIS CODE; INDICATE CLOSE OUT DOCUMENTATION SHALL INCLUDE: RECORD DOCUMENTS, O&M MANUALS, APPLICABLE WSEC MECHANICAL EQUIPMENT COMPLIANCE REPORTS AND CALCULATIONS.
- ECONOMIZER SHALL SHUT OFF WHEN THE OUTSIDE AIR ENTHALPY EXCEEDS 28 BTU/LB OF DRY AIR OR OUTDOOR AIR TEMPERATURE EXCEEDS 75°F.

ABBREVIATIONS - MECHANICAL

AABC	AMERICAN AIR BALANCE COUNCIL	FPM	FEET PER MINUTE	OA	OUTDOOR AIR
AFF	ABOVE FINISH FLOOR	FPS	FEET PER SECOND	OAT	OUTDOOR AIR TEMPERATURE
AHU	AIR HANDLING UNIT	FV	FACE VELOCITY	OBD	OPPOSED BLADE DAMPER
APD	AIR PRESSURE DROP			OD	OUTSIDE DIMENSION OR DIAMETER
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS	GAL	GALLONS	OPNG	OPENING
		GALV	GALVANIZED		
		GC	GENERAL CONTRACTOR	P	PUMP
		GPM	GALLONS PER MINUTE	PD	PRESSURE DROP
BDD	BACK DRAFT DAMPERS			PLBG	PLUMBING
BHP	BRAKE HORSEPOWER	HD	HEAD	PSI	POUNDS PER SQUARE INCH
BLDG	BUILDING	HP	HORSEPOWER		
BOD	BOTTOM OF DUCT	HTR	HEATER	RA	RETURN AIR
BOP	BOTTOM OF PIPE	HVAC	HEATING VENTILATING AND AIR CONDITIONING	RG	RETURN GRILLE
BTUH	BRITISH THERMAL UNIT PER HOUR			RH	RELATIVE HUMIDITY
BBWI	BATH & BODY WORKS, INC.	HWR	HOT WATER RETURN	RPM	REVOLUTIONS PER MINUTE
		HWS	HOT WATER SUPPLY		
CAP	CAPACITY			SA	SUPPLY AIR
CD	CEILING DIFFUSER OR CONDENSATE DRAIN	ID	INSIDE DIAMETER	SENS	SENSIBLE
		IN	INCH	SF	SUPPLY FAN
CFM	CUBIC FEET PER MINUTE			SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
CHWR	CHILLED WATER RETURN	KW	KILOWATT		
CHWS	CHILLED WATER SUPPLY				
CO2	CARBON DIOXIDE	LL	LANDLORD	SP	STATIC PRESSURE
CONTR	CONTRACTOR	L	LONG	SQ	SQUARE
COP	COEFFICIENT OF PERFORMANCE	LB	POUND	SQ FT	SQUARE FEET
CWR	CONDENSER WATER RETURN	LD	LINEAR DIFFUSER	SS	STAINLESS STEEL
CWS	CONDENSER WATER SUPPLY	LF	LINEAR FEET		
		LWT	LEAVING WATER TEMPERATURE	TEMP	TEMPERATURE
DB	DRY BULB, DECIBEL			TSP	TOTAL STATIC PRESSURE
DEG	DEGREE	MAX	MAXIMUM	TSTAT	THERMOSTAT
DIA	DIAMETER	MBH	THOUSAND BTU PER HOUR	TYP	TYPICAL
DWG	DRAWING	MCA	MINIMUM CIRCUIT AMPACITY		
DX	DIRECT EXPANSION	MECH	MECHANICAL	UC	UNDERCUT
		MFR	MANUFACTURER	UH	UNIT HEATER
EA	EXHAUST AIR	MOCP	MAXIMUM OVER CURRENT PROTECTION	UON	UNLESS OTHERWISE NOTED
EAG	EXHAUST AIR GRILLE				
EAT	ENTERING AIR TEMPERATURE	MTD	MOUNTED	VAV	VARIABLE AIR VOLUME
EC	ELECTRICAL CONTRACTOR	MTR	MOTOR	VENT	VENTILATION, VENTILATOR
EER	ENERGY EFFICIENCY RATIO			VFD	VARIABLE FREQUENCY DRIVE
EF	EXHAUST FAN	NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU	VTR	VENT THRU ROOF
EFF	EFFICIENCY				
EOD	ELECTRICALLY OPERATED DAMPER	N.C.	NORMALLY CLOSED	W	WATT
ESP	EXTERNAL STATIC PRESSURE	N.I.C.	NOT IN CONTRACT	WB	WET BULB
EWT	ENTERING WATER TEMPERATURE	N.O.	NORMALLY OPEN	WG	WATER GAUGE
		N/A	NOT APPLICABLE	WPD	WATER PRESSURE DROP
F	FAHRENHEIT			WT	WEIGHT
FCU	FAN COIL UNIT	NTS	NOT TO SCALE		
FLA	FULL LOAD AMPS				
FLEX	FLEXIBLE				

	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	ACCESS PANEL
	EXHAUST AIR REGISTER
S OR R	LINEAR DIFFUSER S=SUPPLY, R=RETURN
	NEW DUCTWORK
	EXISTING DUCTWORK TO REMAIN
	EXISTING DUCTWORK TO BE REMOVED
	FLEXIBLE AIR DUCT 4'-0" MAX.

	MANUAL VOLUME DAMPER
CFSD	COMBINATION FIRE/SMOKE DAMPER
FD	FIRE DAMPER
ABD	AUTOMATIC BACKDRAFT DAMPER
EOD	ELECTRONICALLY OPERATED DAMPER
	UNDERCUT DOOR
CO2	CARBON DIOXIDE SENSOR
H	HUMIDISTAT
S	TEMPERATURE SENSOR
T	THERMOSTAT
T/H	TEMPERATURE/HUMIDITY SENSOR
	DUCT SMOKE DETECTOR
	POINT OF CONNECTION

NOTE: (N)=NEW, (R)=RELOCATED, (E)=EXISTING

ABBREVIATIONS AND SYMBOLS LEGEND | NTS | 00N-M0101-J00-LGND | J 8/26/15

ROOFTOP HEAT PUMP SCHEDULE

MARK (HP-#)	1	2
MODEL / (IEER/SEER)	WHC048H / (16.5)	WHC092H / 15.5
AIR FLOW (CFM)	1,600	3,000
OA FLOW / MIN. OA FLOW (CFM)*	430 / 220	480 / 245
AMBIENT OAT (F)	95	95
EXT. S.P. (IN. W.C.)	1.0	1.0
DX COOLING COIL		
EAT (°FDB/WB)	80.0 / 67.0	80.0 / 67.0
GROSS TOTAL (BTU/ HR)	48,800	96,200
GROSS SENSIBLE CAPACITY (BTU/HR)	39,100	74,700
HEAT PUMP HEATING		
OUTPUT @ 17°F	23,360	50,400
OUTPUT @ DESIGN (18°F)	23,970	55,512
OUTPUT @ 47°F	42,020	84,300
COP @ 47°F	3.60	3.50
AUXILIARY ELECTRIC HEAT		
INPUT (WATTS)	17,400	27,000
OUTPUT (BTU/ HR)	59,371	92,127
STAGES	2	2
ELECTRICAL		
VOLTS/Ø/HZ	480/3/60	480/3/60
MOTOR (HP)	1	2.75
MCA (AMPS)	40	61
MOCP (AMPS)	40	70
APPROX. WEIGHT (LBS)	1,093	1,252
ACCESSORIES	1,3-10,12-14	1,3-10,12-14
NOTES	1-2	1-2

ACCESSORIES ("S" INDICATES STANDARD; "O" INDICATES OPTIONAL):
1. S-FACTORY PROVIDED DISCONNECT SWITCH.
2. ~~S-FACTORY PROVIDED DUCT SMOKE DETECTOR IN RETURN AIR AND REMOTE TEST STATION, (MODEL SSK451).~~
3. S-FACTORY PROVIDED SUPPLY AIR SENSOR.
4. S-FACTORY PROVIDED COMP. ENTH. ECONOMIZER AND HOOD WITH BIRDSCREEN. SOME FIELD ASSEMBLY REQUIRED.
5. S-FACTORY PROVIDED NON-POWERED GFI CONVENIENCE OUTLET.
6. S-FACTORY PROVIDED CONDENSATE OVERFLOW SWITCH.
7. O-FACTORY PROVIDED POWER EXHAUST FOR RELIEF AIR. SOME FIELD ASSEMBLY REQUIRED.
8. O-FACTORY PROVIDED COASTAL CONDENSER COIL AND EVAPORATOR COIL COATING.
9. O-FACTORY HAIL GUARD.
10. O-FURNISHED WITH 14" HIGH FACTORY FABRICATED SEISMIC ROOF CURB.
11. ~~O-CURB ADAPTER PROVIDED BY MECHANICAL CONTRACTOR.~~
12. O-SINGLE ZONE VAV: MINIMUM FAN SPEED IS ≤66% OF FULL SPEED DRAWING ≤40% OF FULL SPEED FAN POWER DURING PERIODS OF OW COOLING OR VENTILATION ONLY. (1)
13. O-FACTORY PROVIDED LOW LEAK DAMPERS. LOW LEAK DAMPERS SHALL BE CLASS ONE.
14. ~~O-FACTORY PROVIDED ECONOMIZER FAULT DETECTION.~~

NOTES:
1. REFER TO CONTROL WIRING SCHEMATICS FOR ANY FIELD INSTALLED CONTROL DEVICES NOT FACTORY INSTALLED.
2. FIELD SET MINIMUM OUTSIDE AIR AS SPECIFIED ABOVE. OUTSIDE AIR DAMPER SHALL FULLY CLOSE ON UNIT SHUTDOWN.

* MINIMUM OA FLOW IS THE AREA COMPONENT OF THE MINIMUM VENTILATION RATE BASED ON ASHRAE STANDARD 62.1–2013 FOR RETAIL SALES SPACE (0.12 CFM/SQFT), TABLE6–1.

AIR HANDLING UNIT SCHEDULE (SPLIT DX)

MARK (AHU-#)	
MODEL	TEM6A0B24H21
AIR FLOW (CFM)	600
OA FLOW / MIN. OA FLOW (CFM)*	90 / 90
EXT. SP. (IN W.C.)	1.0
DX COOLING COIL	
EAT (°FDB/WB)	80.0 / 67.0
GROSS TOTAL (BTU/HR)	19,003
GROSS SENSIBLE (BTU/HR)	13,716
ELECTRIC HEAT	
INPUT (WATTS)	5,700
OUTPUT (BTU/HR)	19,449
STAGES	1
ELECTRICAL	
VOLTS/Ø/HZ	208/1/60
MOTOR HP	1/3
MCA (AMPS)	38
MOCP (AMPS)	40
APPROX. WEIGHT (LBS)	167
ACCESSORIES	1,2,4-8,10-16
NOTES	1

ACCESSORIES ("S" INDICATES STANDARD; "O" INDICATES OPTIONAL):
1. S-COMBINATION FAN CONTACTOR/DISCONNECT SWITCH (IN HEATER CONTROL CABINET WHERE APPLICABLE).
2. S-FACTORY PROVIDED 1" MATT INSULATION.
3. ~~S-FACTORY FURNISHED MIXING BOX WITH ACTUATOR AND 0-10 VOLT ADAPTER.~~
4. S-FACTORY FURNISHED INTERNAL VIBRATION ISOLATORS.
5. S-FACTORY FURNISHED FAN PROOVING SWITCH.
6. S-FACTORY PROVIDED CONDENSATE PAN OVERFLOW SWITCH.
7. S-FACTORY FURNISHED THERMAL EXPANSION VALVE.
8. S-FOUR ROW DX COIL.
9. ~~O-TWO ROW HOT WATER COIL.~~
10. O-FACTORY PROVIDED ELECTRIC HEATER WITH SINGLE POINT CONNECTION (REHEAT POSITION).
11. O-FACTORY FURNISHED SECONDARY CONDENSATE PAN OVERFLOW SWITCH.
12. O-FACTORY PROVIDED COASTAL EVAPORATOR COIL COATING.
13. S-FACTORY SUPPLIED/CONTRACTOR INSTALLED CONTROLLER ENCLOSURE.
14. S-FACTORY SUPPLIED/CONTRACTOR INSTALLED RETURN AIR TEMPERATURE SENSORS.
15. S-FACTORY SUPPLIED/CONTRACTOR INSTALLED RELAYS (FAN ENABLE, COOLING ENABLE, AND HEATING ENABLE).
16. S-FACTORY SUPPLIED/CONTRACTOR INSTALLED CURRENT SWITCHES (FAN STATUS, COOLING STATUS, AND HEATING STATUS).
17. S-PROVIDE WITH ECM MOTOR (1)

NOTES:
1. REFER TO CONTROL WIRING SCHEMATICS FOR ANY FIELD INSTALLED CONTROL DEVICES NOT FACTORY INSTALLED.

* MINIMUM OA FLOW IS THE AREA COMPONENT OF THE MINIMUM VENTILATION RATE BASED ON ASHRAE STANDARD 62.1–2013 FOR RETAIL SALES SPACE (0.12 CFM/SQFT), TABLE6–1.

CONDENSING UNIT SCHEDULE

MARK (CU-#)	1
MODEL / SEER (EER)	4TTR6018J1/17.0
AMBIENT OA TEMP (DEG F DB)	95
TOTAL CAPACITY (BTU/HR)	19,003
PHYSICAL DATA	
NO. OF FANS	1
NO. OF COMP.	1
ELECTRICAL	
VOLTS/Ø/HZ	208/1/60
MCA (AMPS)	12
MOCP (AMPS)	20
APPROX. WEIGHT (LBS)	161
ACCESSORIES	1-7

ACCESSORIES ("S" INDICATES STANDARD; "O" INDICATES OPTIONAL):
1. S-FACTORY FURNISHED TRANSFORMER FOR FIELD APPLIED CONTROLS.
2. S-PROVIDE DUAL COMPRESSORS WITH DUAL CIRCUITS FOR ALL UNITS 6 TONS & ABOVE.
3. S-FACTORY PROVIDED 5 MINUTE DELAY OFF TIMING ON COMPRESSOR RESTART.
4. S-FACTORY FURNISHED LOW AMBIENT CONTROL.
5. S-FACTORY PROVIDED HIGH AND LOW PRESSURE SWITCHES.
6. S-FACTORY HAIL GUARD.
7. O-FACTORY PROVIDED COASTAL CONDENSER COIL COATING.

EXHAUST AND VENTILATION FAN SCHEDULE

MARK (EF-#)					
MANUFACTURER	COOK				
MODEL	GC-148				
TYPE	CEILING FAN				
DRIVE TYPE	DIRECT				
PERFORMANCE					
AIR FLOW (CFM)	120				
EXT. STATIC (IN W.C.)	0.35				
FAN SPEED (RPM)	1,075				
ELECTRICAL					
VOLTS/Ø/HZ	120/1/60				
FAN MOTOR WATTS	43.9				
APPROX. WEIGHT (LBS)	15				
SERVES	RESTROOM				
ACCESSORIES	1,2				
NOTES	1,3				

ACCESSORIES ("S" INDICATES STANDARD; "O" INDICATES OPTIONAL):
1. S-BACKDRAFT DAMPER
2. S-DISCONNECT PLUG.
3. S-SPEED CONTROLLER.

NOTES:
1. INTERLOCK WITH LIGHTS.
2. DISCONNECT SWITCH PROVIDED BY EC.
3. NO SUBSTITUTIONS

MECHANICAL EQUIPMENT SCHEDULES | NTS | 00N-M0101-E01-SCHD | E 09/15/22

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

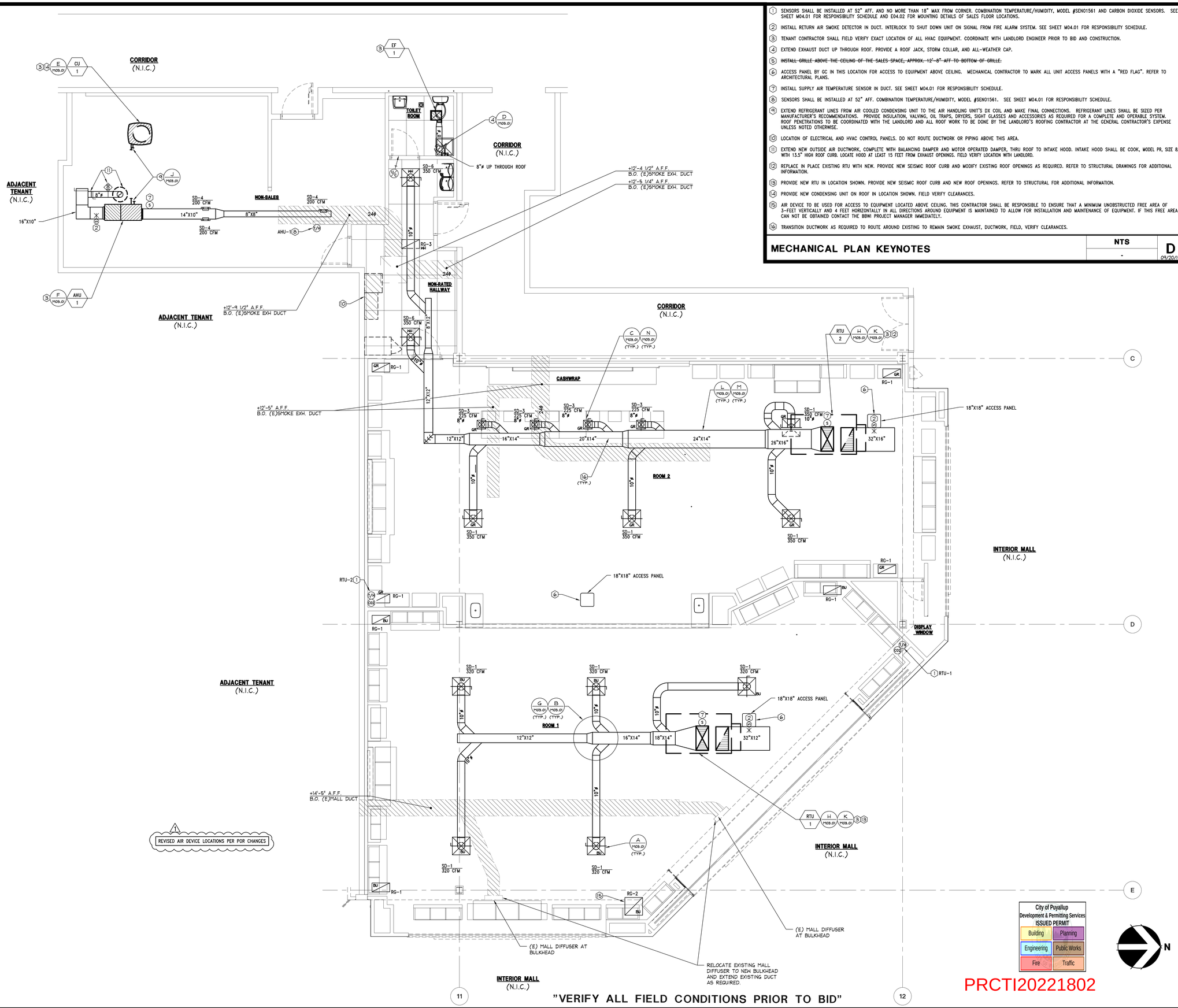
MARK	SD-1	SD-2	SD-3	SD-4	SD-5
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	OMNI	OMNI (2-WAY)	OMNI (3-WAY)	300RS	350RS
NECK SIZE (L"XW")	SEE PLAN	8"X	8"X	8"X6"	SEE PLAN
FRAME SIZE (L"XW")	24"X24"	12"X12"	12"X12"	10"X8"	24"X24"
FRAME TYPE	LAY-IN	LAY-IN	LAY-IN	SURFACE	LAY-IN
FINISH*	PRIMER	PRIMER	PRIMER	TITUS #26	TITUS #26
NOISE CRITERIA LEVEL	<30	<30	<30	<30	<30
ACCESSORIES	2,5	4-8,6	4,5,6	1	2,5
NOTES	1,3	1,3	3		1,3

MARK	SD-6	SD-7	SD-8		
MANUFACTURER	TITUS	TITUS	TITUS		
MODEL	TMSA	OMNI	OMNI (3-WAY)		
NECK SIZE (L"XW")	SEE PLAN	SEE PLAN	SEE PLAN		
FRAME SIZE (L"XW")	24"X24"	24"X24"	24"X24"		
FRAME TYPE	LAY-IN	LAY-IN	LAY-IN		
FINISH*	TITUS #26	TITUS #26	TITUS #26		
NOISE CRITERIA LEVEL	<30	<30	<30		
ACCESSORIES	2	2	2		
NOTES	1	1	1,6		

MARK	RG-1	RG-2	RG-3	RG-4	RG-5
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	355RL	355RL	50F	355RL	355RL
NECK SIZE (L"XW")	22"X10"	22"X22"	22"X10"	12"X12"	22"X10"
FRAME SIZE (L"XW")	24"X12"	24"X24"	24"X12"	10"X10"	24"X12"
FRAME TYPE	LAY-IN	LAY-IN	LAY-IN	SURFACE	LAY-IN
FINISH*	PRIMER	PRIMER	TITUS #26	TITUS #26	TITUS #26
NOISE CRITERIA LEVEL	<30	<30	<30	<30	<30
ACCESSORIES	5	5		2	1
NOTES	2,3	2,3		2	1

MARK	EAG-1	EAG-2			
MANUFACTURER	TITUS	TITUS			
MODEL	350RL	350RL			
NECK SIZE (L"XW")	10"X10"	10"X10"			
FRAME SIZE (L"XW")	12"X12"	12"X12"			
FRAME TYPE	LAY-IN	LAY-IN			
FINISH*	PRIMER	TITUS #26			
NOISE CRITERIA LEVEL	<30	<30			
ACCESSORIES	1,5	1			
NOTES	2,3,4	3,4			

ACCESSORIES:
1. OBD–OPPOSED BLADE DAMPER.
2. LOD–LOCKING QUADRANT VOLUME DAMPER (PROVIDED BY MECHANICAL CONTRACTOR). SEE MECHANICAL SPECIFICATIONS SECTION



1. SENSORS SHALL BE INSTALLED AT 52" AFF. AND NO MORE THAN 18" MAX FROM CORNER. COMBINATION TEMPERATURE/HUMIDITY, MODEL #SEN01561 AND CARBON DIOXIDE SENSORS. SEE SHEET M04.01 FOR RESPONSIBILITY SCHEDULE AND E04.02 FOR MOUNTING DETAILS OF SALES FLOOR LOCATIONS.
2. INSTALL RETURN AIR SMOKE DETECTOR IN DUCT. INTERLOCK TO SHUT DOWN UNIT ON SIGNAL FROM FIRE ALARM SYSTEM. SEE SHEET M04.01 FOR RESPONSIBILITY SCHEDULE.
3. TENANT CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL HVAC EQUIPMENT. COORDINATE WITH LANDLORD ENGINEER PRIOR TO BID AND CONSTRUCTION.
4. EXTEND EXHAUST DUCT UP THROUGH ROOF. PROVIDE A ROOF JACK, STORM COLLAR, AND ALL-WEATHER CAP.
5. ~~INSTALL GRILLE ABOVE THE CEILING OF THE SALES SPACE, APPROX. 12'-8" AFF TO BOTTOM OF GRILLE.~~
6. ACCESS PANEL BY GC IN THIS LOCATION FOR ACCESS TO EQUIPMENT ABOVE CEILING. MECHANICAL CONTRACTOR TO MARK ALL UNIT ACCESS PANELS WITH A "RED FLAG". REFER TO ARCHITECTURAL PLANS.
7. INSTALL SUPPLY AIR TEMPERATURE SENSOR IN DUCT. SEE SHEET M04.01 FOR RESPONSIBILITY SCHEDULE.
8. SENSORS SHALL BE INSTALLED AT 52" AFF. COMBINATION TEMPERATURE/HUMIDITY, MODEL #SEN01561. SEE SHEET M04.01 FOR RESPONSIBILITY SCHEDULE.
9. EXTEND REFRIGERANT LINES FROM AIR COOLED CONDENSING UNIT TO THE AIR HANDLING UNIT'S DX COIL AND MAKE FINAL CONNECTIONS. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE INSULATION, VALVING, OIL TRAPS, DRYERS, SIGHT GLASSES AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. ROOF PENETRATIONS TO BE COORDINATED WITH THE LANDLORD AND ALL ROOF WORK TO BE DONE BY THE LANDLORD'S ROOFING CONTRACTOR AT THE GENERAL CONTRACTOR'S EXPENSE UNLESS NOTED OTHERWISE.
10. LOCATION OF ELECTRICAL AND HVAC CONTROL PANELS. DO NOT ROUTE DUCTWORK OR PIPING ABOVE THIS AREA.
11. EXTEND NEW OUTSIDE AIR DUCTWORK, COMPLETE WITH BALANCING DAMPER AND MOTOR OPERATED DAMPER, THRU ROOF TO INTAKE HOOD. INTAKE HOOD SHALL BE COOK, MODEL PR, SIZE 8, WITH 13.5" HIGH ROOF CURB. LOCATE HOOD AT LEAST 15 FEET FROM EXHAUST OPENINGS. FIELD VERIFY LOCATION WITH LANDLORD.
12. REPLACE IN PLACE EXISTING RTU WITH NEW. PROVIDE NEW SEISMIC ROOF CURB AND MODIFY EXISTING ROOF OPENINGS AS REQUIRED. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
13. PROVIDE NEW RTU IN LOCATION SHOWN. PROVIDE NEW SEISMIC ROOF CURB AND NEW ROOF OPENINGS. REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION.
14. PROVIDE NEW CONDENSING UNIT ON ROOF IN LOCATION SHOWN. FIELD VERIFY CLEARANCES.
15. AIR DEVICE TO BE USED FOR ACCESS TO EQUIPMENT LOCATED ABOVE CEILING. THIS CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT A MINIMUM UNOBSTRUCTED FREE AREA OF 3-FEET VERTICALLY AND 4 FEET HORIZONTALLY IN ALL DIRECTIONS AROUND EQUIPMENT IS MAINTAINED TO ALLOW FOR INSTALLATION AND MAINTENANCE OF EQUIPMENT. IF THIS FREE AREA CAN NOT BE OBTAINED CONTACT THE BBWI PROJECT MANAGER IMMEDIATELY.
16. TRANSITION DUCTWORK AS REQUIRED TO ROUTE AROUND EXISTING TO REMAIN SMOKE EXHAUST, DUCTWORK, FIELD, VERIFY CLEARANCES.

MECHANICAL PLAN KEYNOTES

NTS — D — 09/20/19

MECHANICAL PLAN

1/4" = 1'-0" — A — 03/31/17

Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

NATHANIEL J. KOPP — REGISTERED PROFESSIONAL ENGINEER — 51970 — STATE OF OHIO

Bath&BodyWorks
Three Limited Parkway • Columbus, Ohio 43230
Telephone: 614.415.7000 • Fax: 614.415.7349

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104.01.0737.01

SIS PKG 2
231So.00
20221012.0

PROJECT INFORMATION:

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL | PACKAGE:
DESIGN TYPE: BBW ES/WBC 2021 | GENERATION:
BBWI PROJECT #: 00116082 | A/E PROJECT #:

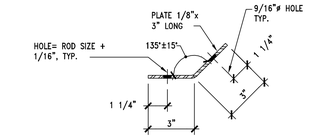
REVISIONS:

	REQUIRED BY:	DATE:
1	REV1 - POR REVISION & DESIGN UPDATES	12/23/2022

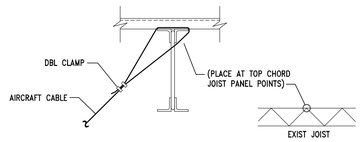
DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

MECHANICAL PLAN

DRAWING NUMBER:
M02.01



2 SEISMIC CABLE CONN.

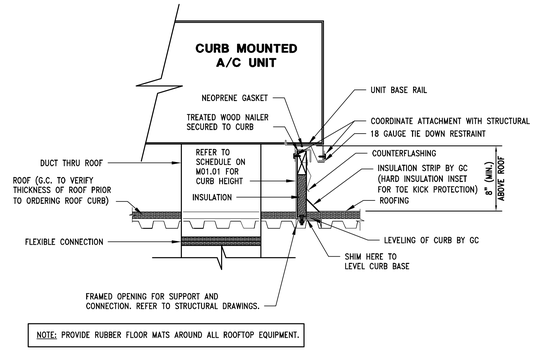


1 SEISMIC CABLE CONN.

SEISMIC CABLE DETAILS

NTS | -

M

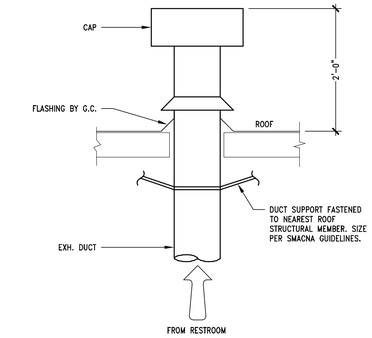


NOTE: PROVIDE RUBBER FLOOR MATS AROUND ALL ROOFTOP EQUIPMENT.

ROOFTOP UNIT CURB ASSEMBLY DETAIL

NTS | 00D-M0301-H00-UNIT

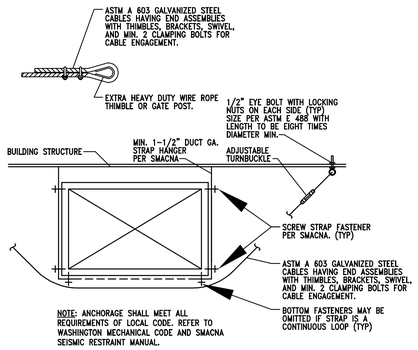
H 12/22/17



EXHAUST AIR DUCT ASSEMBLY DETAIL

1" = 1'-0" | 00D-M0301-D00-EXDT

D 09/13/13



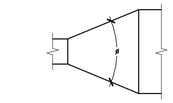
NOTE: ANCHORAGE SHALL MEET ALL REQUIREMENTS OF LOCAL CODE. REFER TO WASHINGTON MECHANICAL CODE AND SMACNA SEISMIC RESTRAINT MANUAL.

MECHANICAL DUCT ANCHORAGE DETAIL

NTS | -

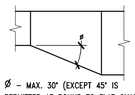
L

Duct Main – Transitions



A CONCENTRIC TRANSITION

Ø – MAX. 45° DIVERGING,
60° CONVERGING



Ø – MAX. 30° (EXCEPT 45° IS PERMITTED AT ROUND TO FLAT OVAL).

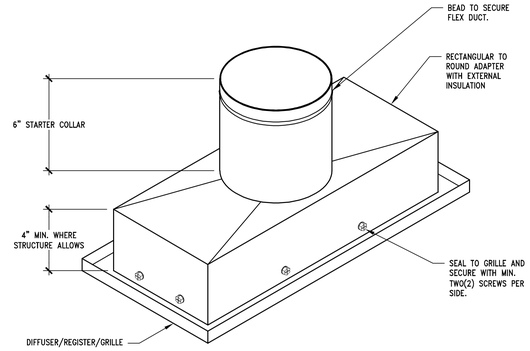
B ECCENTRIC TRANSITION

DUCT DETAILS

NOTE: USE PLAN AS GUIDE TO FITTING TYPE.

NTS | 00D-M0301-G00-DUCT

G 04/02/18



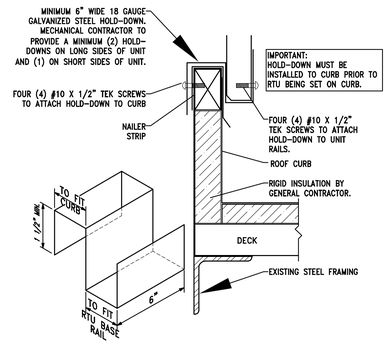
DUCTED GRILLE DETAIL

3" = 1'-0" | 00D-M0301-C00-GRIL

C 08/26/15

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

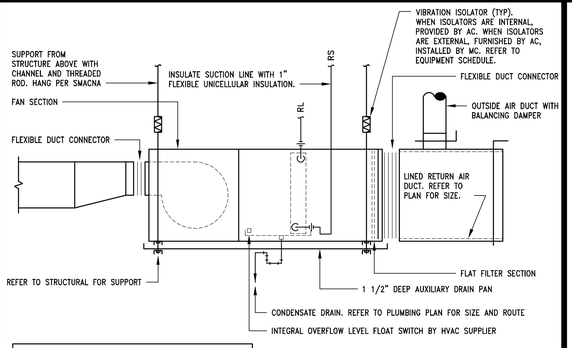
PRCTI20221802



RTU-TO-CURB HOLD DOWN DETAIL

NTS | -

K



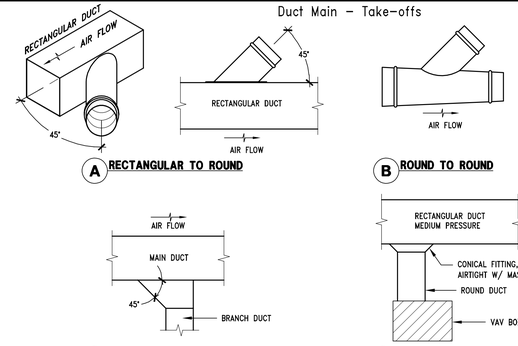
NOTES:
1) REFER TO PIPING DETAILS FOR ADDITIONAL REQUIREMENTS.
2) REFER TO PLUMBING DRAWINGS FOR CONDENSATE PAN AND PIPE ROUTING REQUIREMENTS.

SPLIT DX AHU MOUNTING DETAIL

NTS | 00D-M0301-H04-UNIT

F 09/15/22

Duct Main – Take-offs



A RECTANGULAR TO ROUND

B ROUND TO ROUND

C RECTANGULAR TO RECTANGULAR

WHEN SHOWN

D RECTANGULAR TO ROUND

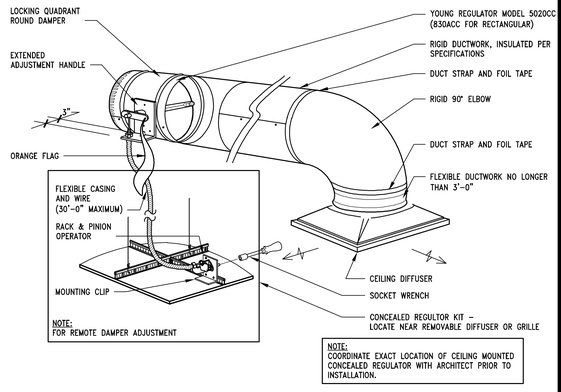
TAPS TO VAV TRUNK ONLY

DUCT DETAILS

NOTE: USE PLAN AS GUIDE TO FITTING TYPE.

NTS | 00D-M0301-B01-DUCT

B 04/02/18

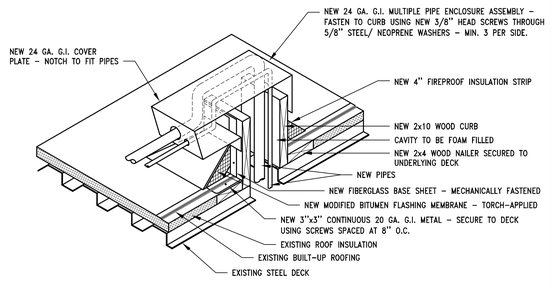


NOTE:
COORDINATE EXACT LOCATION OF CEILING MOUNTED CONCEALED REGULATOR WITH ARCHITECT PRIOR TO INSTALLATION.

YOUNG REGULATOR REMOTE DAMPER

NTS | 00D-M0301-F00-DAMP

N 12/11/13

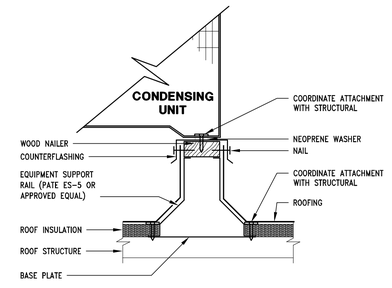


NOTE:
ALL PIPES ENTERING THE PIPE ENCLOSURE ASSEMBLY SHALL BE SLOPED UPWARD AS THEY ENTER THE FLASHING SO THAT WATER WILL NOT BE ABLE TO RUN INTO THE BUILDING.

PIPE THROUGH ROOF DETAIL

NTS | 00D-M0301-J00-PTRD

J 08/26/15

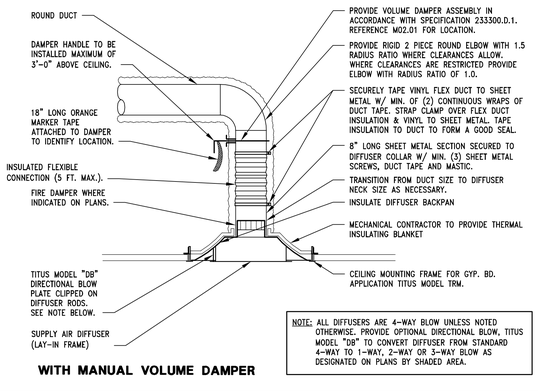


NOTE: PROVIDE RUBBER FLOOR MATS AROUND ALL ROOFTOP EQUIPMENT.

MOUNTING DETAIL FOR CONDENSING UNIT

NTS | 00D-M0301-M00-UNIT

E 09/15/22



NOTE: ALL DIFFUSERS ARE 4-WAY BLOW UNLESS NOTED OTHERWISE. PROVIDE OPTIONAL DIRECTIONAL BLOW, TITUS MODEL "DB" TO CONVERT DIFFUSER FROM STANDARD 4-WAY TO 1-WAY, 2-WAY OR 3-WAY BLOW AS DESIGNATED ON PLANS BY SHADED AREA.

WITH MANUAL VOLUME DAMPER

CEILING DIFFUSER MOUNTING DETAIL

NTS | 00D-M0301-A00-DIFF

A 02/08/18

TBA
Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road
Richfield, Ohio 44286
(330) 659-6688 Ph.
(330) 659-6675 Fax

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:

104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

SIS PKG 2
PACKAGE: 2315s.00
GENERATION: 20221012.0
A/E PROJECT #:

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 – PER REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

MECHANICAL DETAILS

DRAWING NUMBER:

M03.01

Zone Name / Space Name	Floor Area (ft²)	Maximum Occupants	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)
01 ROOM 1	1832.0	27.5	7.5	0.12	426.0
02 ROOM 2	1526.0	22.9	7.5	0.12	355.0
03 CASHWRAP	394.0	8.0	7.5	0.12	108.0
04 NON-RATED HALLWAY	227.0	0.8	0.00	0.06	13.6
05 NON-SALES 1	727.0	2.4	0.00	0.12	87.2
06 TOILET ROOM	68.0	0.0	0.00	0.00	0.0
Totals					**989.9**

1 VENTILATION RATES FOUND USING 2018 IMC TABLE 403.3.1.1.

OUTSIDE AIR CALCULATIONS

NTS | 00D-M0401-M00-OACA | M 09/13/13

DESIGN WEATHER PARAMETERS

City Name	Puyallup	
Location	Washington	
Latitude	47.2	Deg.
Longitude	122.3	Deg.
Elevation	322.0	ft
Summer Design Dry-Bulb	86.0	°F
Summer Coincident Wet-Bulb	65.0	°F
Summer Daily Range	22.5	°F
Winter Design Dry-Bulb	19.0	°F
Winter Design Wet-Bulb	14.8	°F
Atmospheric Clearness Number	1.10	
Average Ground Reflectance	0.20	
Soil Conductivity	0.800	BTU/(hr·ft·°F)
Local Time Zone (GMT +/- N hours)	8.0	hours
Consider Daylight Savings Time	No	
Simulation Weather Data	N/A	
Current Data is	2018 WSEC	
Design Cooling Months	January to December	

HVAC LOAD CALCULATIONS

Air System Information

Air System Name	ALL ZONES	Number of zones	1
Equipment Class	PKG ROOF	Floor Area	4774.0 ft²
Air System Type	SZCAV	Location	Tacoma, Washington

Sizing Calculation Information

Calculation Months	Jan to Dec	Zone CFM Sizing	Sum of space airflow rates
Sizing Data	Calculated	Space CFM Sizing	Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load	10.8 Tons	Load occurs at	Jun 1500
Total coil load	129.3 MBH	OA DB / WB	85.0 / 65.0 °F
Sensible coil load	113.6 MBH	Entering DB / WB	81.6 / 64.4 °F
Coil CFM at Jun 1500	3921 CFM	Leaving DB / WB	54.5 / 52.9 °F
Max block CFM	3921 CFM	Coil ADP	51.5 °F
Sum of peak zone CFM	3921 CFM	Bypass Factor	0.100
Sensible heat ratio	0.878	Resulting RH	49 %
CFM/Ton	363.9	Design supply temp.	55.0 °F
ft²/Ton	443.1	Zone T-stat Check	1 of 1 OK
BTU/(hr·ft²)	27.1	Max zone temperature deviation	0.0 °F
Water flow @ 10.0 °F rise	N/A		

Central Heating Coil Sizing Data

Max coil load	60.3 MBH	Load occurs at	Des Htg
Coil CFM at Des Htg	3921 CFM	BTU/(hr·ft²)	12.6
Max coil CFM	3921 CFM	Ent. DB / Lvg DB	57.0 / 71.4 °F
Water flow @ 20.0 °F drop	N/A		

Supply Fan Sizing Data

Actual max CFM	3921 CFM	Fan motor BHP	2.15 BHP
Standard CFM	3875 CFM	Fan motor kW	1.70 kW
Actual max CFM/ft²	0.82 CFM/ft²	Fan static	2.00 in wg

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1500			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 85.0 °F / 65.0 °F			HEATING OA DB / WB 19.0 °F / 14.8 °F		
ZONE LOADS	Details	Sensible (BTU/hr)	Latent (BTU/hr)	Details	Sensible (BTU/hr)	Latent (BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	0	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	4774 ft²	4691	-	4774 ft²	11317	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	4774 ft²	0	-	4774 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	10913 W	26064		0	0	-
Task Lighting	0 W	0		0	0	-
Electric Equipment	5700 W	19448	-	0	0	-
People	79	19438	16265	0	0	0
Infiltration		0	0	-	0	0
Miscellaneous	-	2500	0	-	0	0
Safety Factor	10% / 10%	7214	1626	10%	1132	0
>> Total Zone Loads	-	79356	17891	-	12449	0
Zone Conditioning	-	80827	17891	-	12385	0
Plenum Wall Load	10%	0	-	0	0	-
Plenum Roof Load	70%	10947	-	0	0	-
Plenum Lighting Load	30%	11171	-	0	0	-
Return Fan Load	3921 CFM	0	-	3921 CFM	0	-
Ventilation Load	990 CFM	4801	-2178	990 CFM	53716	0
Supply Fan Load	3921 CFM	5813	-	3921 CFM	-5813	-
Space Fan Coil Fans	-	0	-	-	0	-
Duct Heat Gain / Loss	0%	0	-	0%	0	-
>> Total System Loads	-	113558	15713	-	60287	0
Central Cooling Coil	-	113558	15718	-	0	0
Central Heating Coil	-	0	-	-	60287	-
>> Total Conditioning	-	113558	15718	-	60287	0
Key:	Positive values are clg loads Negative values are htg loads			Positive values are htg loads Negative values are clg loads		

PRCTI20221802

HVAC LOAD CALCULATIONS

NTS | 00D-M0401-N00-LOAD | N 10/31/2014

SPLIT DX AIR HANDLING UNIT (AHU) SEQUENCE OF OPERATIONS

MANUFACTURER SHALL FURNISH AND/OR INSTALL ALL NECESSARY CONTROL DEVICES TO ACCOMPLISH THE FOLLOWING SEQUENCE OF OPERATION (REFER TO RESPONSIBILITY SCHEDULE FOR FIELD INSTALLATION REQUIREMENTS):

DURING OCCUPIED HOURS THE SUPPLY FANS SHALL OPERATE CONTINUOUSLY, AND THE OUTSIDE AIR DAMPER SHALL OPEN TO THE MINIMUM SCHEDULED POSITION (ADJUSTABLE). WHEN THE OUTDOOR TEMPERATURE IS ABOVE 55 DEGREES FAHRENHEIT (ADJUSTABLE), AND THE SPACE TEMPERATURE IS 1°F ABOVE COOLING SETPOINT, COOLING SHALL BE ENERGIZED IN STAGES (WHERE APPLICABLE) UNTIL 1°F BELOW SETPOINT IS ACHIEVED. WHEN THE OUTDOOR TEMPERATURE IS BELOW 55 DEGREES FAHRENHEIT (ADJUSTABLE), AND SPACE TEMPERATURE IS ABOVE COOLING SETPOINT, COOLING SHALL DEENERGIZE, AND OUTSIDE AIR DAMPERS AND RETURN AIR DAMPERS SHALL MODULATE TO PROVIDE A SUPPLY AIR TEMPERATURE TO SATISFY THE DEMAND FOR COOLING. IF THE SPACE TEMPERATURE FALLS 1°F BELOW THE HEATING SETPOINT, AND THE OUTDOOR DAMPER IS AT THE MINIMUM POSITION, ELECTRIC HEAT SHALL BE ENERGIZED IN STAGES (WHERE APPLICABLE) UNTIL 1°F ABOVE SETPOINT IS ACHIEVED.

DURING UNOCCUPIED HOURS, THE SUPPLY FANS SHALL DEENERGIZE AND THE OUTDOOR DAMPER SHALL CLOSE. IF THE SPACE TEMPERATURE RISES 1°F ABOVE THE COOLING SETPOINT, THE FANS SHALL ENERGIZE, AND THE OUTSIDE AIR DAMPERS SHALL REMAIN CLOSED. COOLING SHALL BE ENERGIZED IN STAGES (WHERE APPLICABLE). WHEN THE SPACE TEMPERATURE FALLS BELOW COOLING SETPOINT, COOLING AND FANS SHALL DEENERGIZE. IF THE SPACE TEMPERATURE FALLS BELOW THE HEATING SETPOINT, THE FANS SHALL ENERGIZE, AND THE OUTSIDE AIR DAMPERS SHALL REMAIN CLOSED. ELECTRIC HEAT SHALL BE ENERGIZED IN STAGES (WHERE APPLICABLE). WHEN THE SPACE TEMPERATURE RISES ABOVE THE HEATING SETPOINT, ELECTRIC HEAT AND FANS SHALL BE DEENERGIZED.

RELIEF FAN (WHERE APPLICABLE) SHALL BE ENERGIZED WHENEVER THE SUPPLY FANS ARE OPERATING, AND THE UNIT IS IN THE ECONOMIZER MODE OF OPERATION. THE RELIEF FAN SPEED SHALL BE VARIED THROUGH A VARIABLE FREQUENCY DRIVE CONTROLLED BY SPACE PRESSURE DIFFERENTIAL RELATIVE TO OUTDOOR PRESSURE. FAN SPEED SHALL MODULATE TO MAINTAIN A SPACE PRESSURE OF 0.05" POSITIVE RELATIVE TO OUTDOOR PRESSURE. RELIEF DAMPER SHALL OPEN WHENEVER RELIEF FAN IS ENERGIZED.

A MANUFACTURER PROVIDED OR FIELD INSTALLED PAN OVERFLOW SWITCH WILL DISABLE ALL FANS, COOLING, HEATING, AND CLOSE OUTDOOR AIR DAMPER IF HIGH WATER IS SENSED IN THE PAN.

A FIELD INSTALLED CO2 SENSOR SHALL MODULATE THE OUTDOOR AIR DAMPER DURING OCCUPIED OPERATION BETWEEN SCHEDULED OA FLOW CFM AND MIN SCHEDULED OA FLOW TO MAINTAIN A CO2 CONCENTRATION BETWEEN 1000PPM AND 500PPM.

A DUCT MOUNTED SMOKE DETECTOR SHALL DEENERGIZE THE SUPPLY AND RELIEF FAN, AND CLOSE THE OUTDOOR AIR DAMPER WHEN ACTIVATED.

SETPOINTS:

OCCUPIED HEATING: 70°F COOLING: 74°F
UNOCCUPIED HEATING: 60°F COOLING: 85°F

SPLIT DX AIR HANDLING UNIT WITH CONDENSING UNIT RESPONSIBILITY SCHEDULE

ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	BBWI	LANDLORD	CONTR.	LANDLORD	CONTR.	OTHER			
AIR HANDLING UNIT	AC				MC				
AIR HANDLING UNIT DISCONNECT/FAN CONTACTOR	AC					AC			
HIGH AND LOW PRESSURE SWITCHES (FACTORY INSTALLED)	AC					AC			FACTORY INSTALLED
ELECTRIC HEATER WITH SINGLE POINT CONNECTION AND CONTACTOR	AC				MC				
CONDENSATE DRAIN LINES			MC		MC				VERIFY REQUIREMENTS WITH LOCAL CODE
MIXING BOX WITH ACTUATOR AND 0–10 VOLT ADAPTER								●	INTERCONNECTIVE WIRING BY MC
VIBRATION ISOLATORS	AC					AC			
EVAPORATOR FAN MOTOR, SHEAVES AND BELTS	AC					AC			CHANGES REQUIRED FOR BALANCE ARE PROVIDED BY MC
THERMAL EXPANSION VALVE	AC				MC				
PRIMARY CONDENSATE PAN OVERFLOW SWITCH	AC					AC			
SECONDARY CONDENSATE PAN OVERFLOW SWITCH	AC				MC				
FAN PROVING SWITCH	AC					AC			
AIR COOLED CONDENSING UNIT	AC				MC				
CONDENSING UNIT DISCONNECT SWITCH			EC		EC				
CONDENSING UNIT GROUND FAULT OUTLET			EC		EC				
BAS CONTROLLER	AC					AC			
SUPPLY AIR TEMPERATURE SENSOR	AC					AC			
SPACE TEMPERATURE SENSOR								●	
CARBON DIOXIDE SENSOR								●	
HUMIDITY SENSOR								●	ONE PER EACH UNIT WITH DEHUMIDIFICATION
OUTSIDE AIR TEMPERATURE SENSOR	AC				MC				ONE PER PROJECT
LOW AMBIENT KIT	AC				MC				REQUIRES MOTOR CHANGE OUT
SINGLE ZONE VAV CONTROLS								●	UNITS WITH CAPACITY GREATER THAN 54 MBH AT AHRI CONDITIONS
SPLIT SYSTEM COMMISSIONING	AC					AC			CALL HVAC EQUIPMENT SUPPLIER
MONITORING SPACE TEMPERATURE SENSOR								●	
MONITORING CARBON DIOXIDE SENSOR								●	
ROOM TEMPERATURE/HUMIDITY SENSOR	AC				MC				
MONITORING ONLY CONTROLLERS WITH ANALOG INPUTS AND COMMUNICATION CAPABILITY								●	INSTALL MONITORING CONTROLLER AT IFS
CONTROL TRANSFORMERS			MC		MC				AS REQUIRED FOR MONITORING DEVICES
CONTROL SYSTEM WIRE FOR SYSTEM COMPONENTS	CC				MC				FINAL CONN. BY MC

NETWORK WIRING AND SEQUENCE

NTS | 00D-M0401-E04-SCHD | E 02/22/2019

ROOFTOP HEAT PUMP (HP) SEQUENCE OF OPERATIONS

MANUFACTURER SHALL FURNISH AND/OR INSTALL ALL NECESSARY CONTROL DEVICES TO ACCOMPLISH THE FOLLOWING SEQUENCE OF OPERATION (REFER TO RESPONSIBILITY SCHEDULE FOR FIELD INSTALLATION REQUIREMENTS):

DURING OCCUPIED HOURS THE SUPPLY FANS SHALL OPERATE CONTINUOUSLY, AND THE OUTSIDE AIR DAMPER SHALL OPEN TO THE MINIMUM SCHEDULED POSITION (ADJUSTABLE). WHEN THE OUTDOOR TEMPERATURE IS ABOVE 55 DEGREES FAHRENHEIT (ADJUSTABLE), AND THE SPACE TEMPERATURE IS 1°F ABOVE COOLING SETPOINT, COOLING SHALL BE ENERGIZED IN STAGES (WHERE APPLICABLE) UNTIL 1°F BELOW SETPOINT IS ACHIEVED. WHEN THE OUTDOOR TEMPERATURE IS BELOW 55 DEGREES FAHRENHEIT (ADJUSTABLE), AND SPACE TEMPERATURE IS ABOVE COOLING SETPOINT, COOLING SHALL DEENERGIZE, AND OUTSIDE AIR DAMPERS AND RETURN AIR DAMPERS SHALL MODULATE TO PROVIDE A SUPPLY AIR TEMPERATURE TO SATISFY THE DEMAND FOR COOLING. IF THE SPACE TEMPERATURE FALLS 1°F BELOW THE HEATING SETPOINT, AND THE OUTDOOR DAMPER IS AT THE MINIMUM POSITION, THE REVERSING VALVE SHALL BE ENABLED. HEATING SHALL BE ENERGIZED IN STAGES (WHERE APPLICABLE) UNTIL 1°F ABOVE SETPOINT IS ACHIEVED. DURING DEFROST CYCLE, HEATPUMP HEATING SHALL DEENERGIZE AND AUXILIARY ELECTRIC HEAT SHALL BE ENERGIZED IN STAGES (WHERE APPLICABLE).

DURING UNOCCUPIED HOURS, THE SUPPLY FANS SHALL BE DEENERGIZED. IF THE SPACE TEMPERATURE RISES ABOVE THE COOLING SETPOINT, THE FANS SHALL ENERGIZE, AND THE OUTSIDE AIR DAMPERS SHALL REMAIN CLOSED. COOLING SHALL BE ENERGIZED. WHEN THE SPACE TEMPERATURE FALLS 1°F BELOW THE COOLING SETPOINT, COOLING SHALL BE DEENERGIZED, AND THE SUPPLY FANS SHALL STOP. IF THE SPACE TEMPERATURE FALLS 1 °F BELOW THE HEATING SETPOINT, THE FANS SHALL OPERATE, AND THE OUTSIDE AIR DAMPERS SHALL REMAIN CLOSED. THE REVERSING VALVE AHD HEATPUMP HEATING SHALL BE ENERGIZED UNTIL THE SPACE TEMPERATURE RISES 1°F ABOVE THE HEATING SETPOINT, ELECTRIC HEAT SHALL BE DEENERGIZED, AND THE SUPPLY FANS SHALL STOP. DURING DEFROST CYCLE, HEATPUMP HEATING SHALL DEENERGIZE AND AUXILIARY ELECTRIC HEAT SHALL BE ENERGIZED IN STAGES (WHERE APPLICABLE).

POWER EXHAUST FAN (WHERE APPLICABLE) SHALL BE ENERGIZED WHENEVER THE SUPPLY FANS ARE OPERATING, AND THE UNIT IS IN THE ECONOMIZER MODE OF OPERATION. RELIEF DAMPER SHALL OPEN WHEN RELIEF FAN IS ENERGIZED.

A FIELD INSTALLED CO2 SENSOR SHALL MODULATE THE OUTDOOR AIR DAMPER CLOSED DURING OCCUPIED OPERATION FROM SCHEDULED CFM TO CODE ALLOWED MINIMUM, FROM CO2 OF 1000PPM TO 500PPM.

A DUCT MOUNTED SMOKE DETECTOR SHALL DEENERGIZE THE SUPPLY AND RELIEF FAN, AND CLOSE THE OUTDOOR AIR DAMPER WHEN ACTIVATED.

SETPOINTS:

OCCUPIED HEATING: 70°F COOLING: 74°F
UNOCCUPIED HEATING: 60°F COOLING: 85°F
HUMIDITY SETPOINT: 50%RH

ROOFTOP HEAT PUMP RESPONSIBILITY SCHEDULE

ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	BBWI	LANDLORD	CONTR.	LANDLORD	CONTR.	OTHER			
ROOFTOP HEAT PUMP	AC				MC				
ROOFTOP UNIT CONNECTION TO CURB REQUIREMENTS	AC				MC				COORDINATE WITH STRUCTURAL ENGINEER
ROOFCURB FOR RTU AS REQUIRED	AC				MC				
ROOFCURB ADAPTER FOR RTU AS REQUIRED								●	MC TO MEASURE EXISTING CURBS FOR ADAPTERS
STRUCTURAL SUPPORTS FOR HP AS REQUIRED			MC		MC				
ECONOMIZER PACKAGE			MC		MC				SOME MODIFICATIONS BY MC REQUIRED
ECONOMIZER ACTUATOR	AC					AC			
POWER EXHAUST	AC				MC				
EVAPORATOR FAN MOTOR, SHEAVES AND BELTS	AC					AC			CHANGES REQUIRED FOR BALANCE ARE PROVIDED BY MC
NON-POWERED GROUND FAULT SERVICE RECEPTACLE	AC					AC			WIRED BY EC
NON-FUSED ELECTRICAL DISCONNECT	AC					AC			
BAS CONTROLLER	AC					AC			
SUPPLY AIR TEMPERATURE SENSOR	AC					AC			
CONDENSATE OVERFLOW SWITCH	AC					AC			
SPACE TEMPERATURE SENSOR								●	
OUTSIDE AIR TEMPERATURE SENSOR	AC				MC				ONE PER PROJECT
CARBON DIOXIDE SENSOR	CC				MC				
HUMIDITY SENSOR								●	ONE PER EACH UNIT WITH DEHUMIDIFICATION
SINGLE ZONE VAV FAN	AC					AC			UNITS WITH CAPACITY GREATER THAN 54 MBH AT AHRI CONDITIONS
ROOFTOP UNIT COMMISSIONING	AC					AC			CALL HVAC EQUIPMENT SUPPLIER
MONITORING SPACE TEMPERATURE SENSOR								●	
MONITORING CARBON DIOXIDE SENSOR								●	
ROOM TEMPERATURE/HUMIDITY SENSOR	AC				MC				
MONITORING ONLY CONTROLLERS WITH ANALOG INPUTS AND COMMUNICATION CAPABILITY								●	INSTALL MONITORING CONTROLLER AT IFS
CONTROL TRANSFORMERS			MC		MC				AS REQUIRED FOR MONITORING DEVICES
CONTROL SYSTEM WIRE FOR SYSTEM COMPONENTS	CC				MC				FINAL CONN. BY MC

NETWORK WIRING AND SEQUENCE

NTS | 00D-M0401-E02-SCHD | E 02/22/2019

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

NOTE TO CONTRACTOR

ITEM(S) NOT SHOWN ON ANY OF THE RESPONSIBILITY SCHEDULES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

ABBREVIATIONS, RESPONSIBILITY SCHEDULES

AC	HVAC EQUIPMENT SUPPLIER	GC	GENERAL CONTRACTOR
AHJ	AUTHORITY HAVING JURISDICTION	LC	LANDLORD CONTRACTOR
BAS	BUILDING AUTOMATION SYSTEM	LD	LIGHTING PACKAGE DISTRIBUTOR
BBWI	BATH & BODY WORKS, INC.	LL	LANDLORD
EC	ELECTRICAL CONTRACTOR	MC	MECHANICAL CONTRACTOR
FAC	FIRE ALARM CONTRACTOR	CC	CONTROLS CONTRACTOR

HVAC RESPONSIBILITY SCHEDULE

ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	BBWI	LANDLORD	CONTR.	LANDLORD	CONTR.	OTHER			
BAS CONTROLLER	AC				MC				
CONTROLLER ENCLOSURES	AC				MC				
AIR CURTAIN								●	
VIBRATION ISOLATION			AC		AC				
ROOFING CUT & PATCH, INSULATED TOE KICK & CURB LEVELING.			MC		MC				HIRE LANDLORD APPROVED ROOFING CONTRACTOR
DUCT SMOKE DETECTOR			FAC		MC				POWER WIRING PROVIDED BY FAC
SMOKE SYSTEM ACCESSORIES, ETC.			MC		MC				UNLESS FACTORY INSTALLED
DIFFUSERS AND GRILLES			MC		MC				
DIFFUSERS/GRILLES FIRE DAMPERS								●	
WALL FIRE DAMPERS								●	
COMBINATION FIRE/SMOKE DAMPERS								●	
LOW PRESSURE DUCTWORK			MC		MC				
RECTANGULAR TO ROUND DUCT ADAPTER			MC		MC				
HIGH/MEDIUM PRESSURE DUCTWORK								●	
DUCT SUPPORTS			MC		MC				
SEISMIC BRACING			MC		MC				
HURRICANE WIND BRACING								●	
DUCT HEATER(S)								●	
UNIT HEATER(S)								●	
INLINE AND CEILING EXHAUST FAN(S)			MC		MC				
ROOF AND WALL MOUNTED EXHAUST FAN(S) AND CURB								●	
EXHAUST FAN ROOF CURB								●	
TOILET EXHAUST DUCTWORK WALL OR ROOF CAP			MC		MC				
PIPING AND PIPING APPURTENANCES (CIRCUIT SETTERS, ETC.)								●	
BALANCE CONTRACTOR REPORT			GC						AABC OR NEBB CERTIFIED
AS–BUILT DRAWINGS			MC						
LANDLORD REQUIRED TEMPERATURE CONTROL SYSTEM COMPONENTS								●	HIRE LL REQUIRED CONTRACTOR WHEN REQUIRED BY LL
TEMPERATURE CONTROL SYSTEM WIRE FOR LL REQUIRED SYSTEM COMPONENTS								●	HIRE LL REQUIRED CONTRACTOR WHEN REQUIRED BY LL
YOUNG REGULATOR W/ BOWDEN CABLE			MC		MC				
LOCKING QUADRANT VOLUME DAMPER			MC		MC				
PNEUMATIC TUBING								●	
FIRE ALARM SHUTDOWN RELAY			FAC		FAC				WHERE APPLICABLE FOR FIRE ALARM SYSTEMS
RELIEF AIR DAMPER AND ACTUATOR								●	
RELIEF AIR FAN OR RETURN AIR FAN								●	
SMOKE EVACUATION							●		
OUTSIDE AIR INTAKE HOOD/LOUVER WITH DAMPER								●	
OUTSIDE AIR INTAKE DAMPER ACTUATOR								●	
RELIEF AIR HOOD OR LOUVER WITH COUNTER–BALANCED BACKDRAFT DAMPER								●	
DAMPERS FOR FIELD BUILT ECONOMIZER								●	
DAMPER ACTUATORS FOR FIELD BUILT ECONOMIZER								●	
OUTSIDE AIR DAMPER			MC		MC				
OUTSIDE AIR DAMPER ACTUATOR	AC				MC				

HVAC RESPONSIBILITY SCHEDULES

NTS | 00D-M0401-A00-SCHD | A 12/22/2017

TBA
Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

NATHANIEL J. MARTIN — STATE OF OHIO — 51970 — REGISTERED PROFESSIONAL ENGINEER

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98375

PACKAGE: SIS PKG 2
GENERATION: 2315s.00
A/E PROJECT #: 20221012.0

FULL REMODEL
BBW CS/VBC 2021
00116082

SCOPE:
DESIGN TYPE:
BBWI PROJECT #:

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 – PDR REVISION & DESIGN UPDATES	12/22/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

MECHANICAL RESPONSIBILITY SCHEDULES

DRAWING NUMBER:
M04.01

SECTION 230000: BASIC MECHANICAL REQUIREMENTS

A. NOTE

1. THE ABBREVIATION BBWI WHEREVER IT APPEARS IN THESE MECHANICAL DRAWINGS AND/OR SPECIFICATIONS SHALL REFER TO "BATH & BODY WORKS, INC.". ANY REFERENCE TO TENANT'S PROJECT MANAGER OR FURNISHED BY ANY OF THE ABOVE REFERS TO BBWI.
2. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND ALL OTHER SPECIFICATION SECTIONS, APPLY TO THIS AND THE OTHER SECTIONS OF DIVISION 15.
3. THE CONTRACTOR FOR THIS DIVISION OF WORK IS REQUIRED TO READ THE SPECIFICATIONS AND REVIEW DRAWINGS FOR ALL DIVISIONS OF WORK AND IS RESPONSIBLE FOR THE COORDINATION OF THIS WORK AND THE WORK OF HIS SUBCONTRACTORS WITH ALL DIVISIONS OF WORK. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDE HIS SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.
4. THIS CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE COMPLETION AND INSPECTION OF THIS WORK TO COMPLY WITH THE BBWI SCHEDULE AND THE PROJECT COMPLETION DATE.
5. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK. ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF HIS WORK.
6. REFER TO RESPONSIBILITY SCHEDULE ON SHEET M04.01 OF THIS SET FOR INFORMATION IN REGARD TO RESPONSIBILITY OF WORK OR ITEMS WHICH MAY AFFECT THE BID.

B. GENERAL REQUIREMENTS

1. THIS CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE MECHANICAL SYSTEM AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS. ALL WORK NOT SPECIFICALLY NOTED AS BEING BY THE LANDLORD OR BBWI SHALL BE PROVIDED BY THIS CONTRACTOR. CLOSELY COORDINATE THE ENTIRE INSTALLATION WITH THE LANDLORD AND THE BBWI PROJECT MANAGER, AS REQUIRED.
2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED AND INSTALLED EVEN THOUGH NOT SPECIFICALLY MENTIONED IN BOTH. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK, AND WHICH IS USUALLY INCLUDED IN WORK OF SIMILAR CHARACTER, SHALL BE FURNISHED AND INSTALLED AS PART OF CONTRACT.
3. WHERE THE DRAWINGS OR SPECIFICATIONS CALL FOR ITEMS WHICH EXCEED CODES OR THE LANDLORD'S TENANT CRITERIA, THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE SYSTEM WITH THE MORE STRINGENT REQUIREMENTS AS DESIGNED AND DESCRIBED ON THESE DRAWINGS, UNLESS SPECIFICALLY NOTED OTHERWISE.
4. ALL WORK IN THIS SECTION SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING, AND REPAIRING. THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT SERVICE ACCESS TO ALL EQUIPMENT.
5. ALL WORK SHALL BE PERFORMED IN A NEAT PROFESSIONAL MANNER USING GOOD CONSTRUCTION PRACTICES.
6. UNLESS SPECIFICALLY NOTED OTHERWISE, MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW, UNDERWRITER'S LABORATORIES/UNDERWRITER'S LABORATORIES OF CANADA LISTED AND LABELED AND SIZED IN CONFORMITY WITH REQUIREMENTS OF STATE/PROVINCE AND LOCAL CODES, WHICHEVER IS MORE STRINGENT.
7. THIS CONTRACTOR SHALL DO ALL CUTTING, CHASING AND CHANNELING REQUIRED FOR ANY WORK UNDER THIS DIVISION. CUTTING SHALL HAVE PRIOR APPROVAL BY BBWI PROJECT MANAGER AND THE LANDLORD. ALL PATCHING SHALL BE BY G.C. AND SHALL MATCH THE SURROUNDING SURFACES.
8. THE MECHANICAL CONTRACTOR SHALL MAKE ALL FINAL MECHANICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.
   a. THE MECHANICAL CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR TO CONTACT BBWI'S DESIGNATED COMPANY (EMS) FOR START-UP. (REFER TO SHEET M01.01).

C. CODES

1. ALL WORK SHALL CONFORM TO THE LANDLORDS' CRITERIA, THE STATE'S/PROVINCE'S, COUNTY'S, CITY'S AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA/NFPAC CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. THIS CONTRACTOR SHALL INQUIRE INTO AND COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. THIS CONTRACTOR SHALL INCLUDE ANY CHANGES REQUIRED BY CODES IN THE BID AND IF THESE CHANGES ARE NOT INCLUDED IN THE BID, THEY MUST BE QUALIFIED AS A SEPARATE LINE ITEM IN THE BID. AFTER CONTRACT IS AWARDED, CHANGE ORDERS FOR INCREASED COSTS DUE TO CODE ISSUES WILL NOT BE ACCEPTED BY BBWI.

D. LICENSES, PERMITS, INSPECTIONS & FEES

1. THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED OR RELATED TO HIS WORK.
2. FURNISH TO THE BBWI'S PROJECT MANAGER ALL CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT COMPLETION OF PROJECT.

E. TRADE NAMES, MANUFACTURERS AND SHOP DRAWINGS

1. WHERE TRADE NAMES AND MANUFACTURERS ARE USED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE USED AS A MINIMUM FOR THE BASE BID. MANUFACTURERS CONSIDERED AS AN EQUAL OR BETTER IN ALL ASPECTS TO THAT SPECIFIED WILL BE SUBJECT TO APPROVAL IN WRITING BY BBWI'S PROJECT MANAGER THROUGH SHOP DRAWING SUBMITTAL PROCESS FOR ACCEPTANCE PRIOR TO INSTALLATION. THE USE OF ANY UNAUTHORIZED EQUIPMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
2. GENERAL CONTRACTOR SHALL SUBMIT ALL EQUIPMENT AND DEVICES TO BBWI PROJECT MANAGER FOR APPROVAL. SUBMISSIONS SHALL BE MADE EARLY ENOUGH IN PROJECT TO ALLOW FOUR (4) WORKING DAYS FOR BBWI PROJECT MANAGER'S REVIEW WITHOUT CAUSING DELAYS OR CONFLICTS TO THE JOB'S PROGRESS. SUBMITTALS SHALL BEAR THE STAMP AND/OR THE SIGNATURE OF THE GENERAL CONTRACTOR AND THE SUBCONTRACTOR SHOWING THAT THEY HAVE REVIEWED AND CONFIRMED THAT THE SUBMITTALS ARE IN CONFORMANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS OR INDICATE WHERE EXCEPTIONS HAVE BEEN TAKEN.

F. GUARANTEE

1. THIS CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORK PROVIDED UNDER HIS CONTRACT AND SHALL MAKE GOOD, REPAIR OR REPLACE AT HIS OWN EXPENSE, ANY DEFECTIVE WORK, MATERIAL, OR EQUIPMENT WHICH MAY BE DISCOVERED WITHIN A PERIOD OF 12 MONTHS FROM THE DATE OF ACCEPTANCE (IN WRITING) OF THE INSTALLATION BY BBWI'S PROJECT MANAGER. EXTENDED WARRANTIES ARE AS SPECIFIED WITH INDIVIDUAL EQUIPMENT.
2. THE EQUIPMENT MANUFACTURER SHALL GUARANTEE AND PROVIDE A 12 MONTH GUARANTEE TO BBWI FROM THE DATE OF ACCEPTANCE. THIS CONTRACTOR SHALL WARRANTY THE INSTALLATION OF THIS EQUIPMENT AND WILL BE RESPONSIBLE FOR ANY DAMAGE AND/OR MALFUNCTION CAUSED BY THE INSTALLATION. THIS CONTRACTOR SHALL NOT BEAR ADDITIONAL WARRANTIES BEYOND A COMPLETE WORKING SYSTEM.

G. RECORD DRAWINGS

1. THIS CONTRACTOR SHALL MAINTAIN ONE SET OF DRAWINGS ON THE JOB SITE UPDATED WEEKLY TO RECORD ALL DEVIATIONS FROM CONTRACT DRAWINGS, SUCH AS:
   a. LOCATION OF CONCEALED PIPING VALVES AND DUCTS.
   b. REVISIONS, ADDENDUM, AND CHANGE ORDERS.
   c. SIGNIFICANT DEVIATIONS MADE NECESSARY BY FIELD CONDITIONS, APPROVED EQUIPMENT SUBSTITUTIONS, AND CONTRACTOR'S COORDINATION WITH OTHER TRADES.
2. AT COMPLETION OF THE PROJECT AND BEFORE FINAL APPROVAL, THIS CONTRACTOR SHALL MAKE ANY FINAL CORRECTIONS TO DRAWINGS AND CERTIFY THE ACCURACY OF EACH PRINT BY SIGNATURE THEREON. FAILURE TO KEEP THESE RECORDS WILL ALLOW BBWI TO DIRECT THE GENERAL CONTRACTOR TO PROVIDE THESE RECORDS AT HIS EXPENSE PRIOR TO FINAL PAYMENT.

H. DISCREPANCIES IN DOCUMENTS

1. DRAWINGS (PLANS, SPECIFICATIONS, AND DETAILS) ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE MECHANICAL SYSTEMS. WHERE DRAWINGS, EXISTING SITE CONDITIONS, SPECIFICATIONS OR OTHER TRADES CONFLICT OR ARE UNCLEAR, ADVISE THE GENERAL CONTRACTOR IN WRITING, PRIOR TO SUBMITTAL OF BID. THE GENERAL CONTRACTOR IS RESPONSIBLE TO ADVISE BBWI'S PROJECT MANAGER, IN WRITING, OF VARIATIONS TO CONTRACT DOCUMENTS PRIOR TO SUBMISSION OF BID. OTHERWISE, BBWI PROJECT MANAGER'S INTERPRETATION OF CONTRACT DOCUMENTS OR CONDITIONS SHALL BE FINAL WITH NO ADDITIONAL COMPENSATION PERMITTED.

I. PHASING REQUIREMENTS

1. THIS CONTRACTOR IS TO INCLUDE IN HIS BID ALL NECESSARY SERVICE REQUIRED TO KEEP THE OPERATING PHASE OF THE STORE'S HVAC, PLUMBING AND SPRINKLER SERVICE IN OPERATION. CONTRACTOR MUST SCHEDULE IN WRITING WITH BBWI'S PROJECT MANAGER AND THE LANDLORD ONE WEEK PRIOR TO ANY SHUT DOWN OF THE HVAC, PLUMBING OR FIRE PROTECTION SYSTEMS.

J. DEMOLITION

1. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE DEMOLITION OF EXISTING WORK AND THE DEMOLITION PROVIDED BY THE GENERAL CONTRACTOR. COORDINATE WITH THE GENERAL CONTRACTOR ANY EXISTING EQUIPMENT REQUIRED TO BE LEFT INTACT.
2. THIS CONTRACTOR SHALL INCLUDE, AND WILL BE HELD RESPONSIBLE FOR, THE REMOVAL OF ALL EXISTING HVAC UNITS, HYDRONIC PIPING, REFRIGERANT RECAPTURE, EXHAUST FANS, ETC. AND ASSOCIATED ROOF CURBS NOT TO BE REUSED ON THIS PROJECT, UNLESS SPECIFICALLY NOTED OTHERWISE. CONTRACTOR MUST VERIFY WITH THE LANDLORD ALL PRESUMED ABANDONED EQUIPMENT, PIPES, AND DUCTWORK PRIOR TO REMOVAL. ROOF CURBS SHALL BE REMOVED AND THE ROOF PATCHED. ALL EXMANUFACTURERous ITEMS IN THE SPACE OR ON THE ROOF NOT APPLICABLE TO THE NEW WORK MUST BE REMOVED AND ROOF/WALL/FLOOR PATCHED/REPAIRED TO MATCH EXISTING STRUCTURE. EXISTING ABANDONED PIPES, DUCTS, OR EQUIPMENT IN THE FLOOR, EMBEDDED IN CONCRETE OR OTHERWISE INACCESSIBLE ARE TO BE CUT OFF AND SEALED BELOW OR WITHIN FLOOR OR WALL LEVEL WHEN THEY ARE NOT TO BE REUSED IN THIS PROJECT. IF REQUIRED BY LANDLORD OR CODES, ABANDONED PIPING AND/OR DUCTWORK MUST BE REMOVED TO POINT OF ORIGIN. CONFIRM THE EXTENT OF DEMOLITION PRIOR TO BID AND INCLUDE IN BID PROPOSAL.

K. SLEEVES

1. THIS CONTRACTOR SHALL PROVIDE SLEEVES TO PROTECT EQUIPMENT OR FACILITIES IN THE INSTALLATION. EACH SLEEVE SHALL EXTEND THROUGH ITS RESPECTIVE FLOOR, WALL OR PARTITION AND SHALL BE CUT FLUSH WITH EACH SURFACE EXCEPT SLEEVES THAT PENETRATE THE FLOOR, WHICH SHALL EXTEND 2" ABOVE THE FLOOR. CONTRACTOR MUST COORDINATE THROUGH THE LANDLORD ANY CORE DRILLING OR CUTTING OF OPENINGS IN MASONRY FLOORS OR WALLS.
2. ALL SLEEVES AND OPENINGS THROUGH FIRE RATED WALLS AND/OR FLOORS SHALL BE FIRE SEALED WITH CALCIUM SILICATE, SILICONE "RTV" FOAM, "3M" FIRE RATED SEALANTS OR EQUAL, SO AS TO RETAIN THEIR FIRE RATING.
3. SLEEVES IN BEARING AND MASONRY WALLS, FLOORS, AND PARTITIONS SHALL BE STANDARD WEIGHT STEEL PIPE FINISHED WITH SMOOTH EDGES. FOR OTHER THAN MASONRY PARTITIONS, THROUGH SUSPENDED CEILINGS, OR FOR CONCEALED VERTICAL PIPING, SLEEVES SHALL BE NO. 22 U.S.G. GALVANIZED STEEL MINIMUM.

L. SCOPE OF WORK

1. THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION AND FACILITIES NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL THE WORK FOR THE HVAC SYSTEMS AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
   a. HVAC UNITS, ALL RELATED EQUIPMENT AND ACCESSORIES (UNLESS NOTED OTHERWISE).
   b. DUCTWORK, FITTINGS, DAMPERS, AND INSULATION.
   c. HYDRONIC PIPING. (AS APPLICABLE, REFER TO PLANS).
   d. REFRIGERANT PIPING (AS APPLICABLE, REFER TO PLANS).
   e. CURBS, ROOFING, AND STEEL FRAMING FOR SUPPORT (AS APPLICABLE, REFER TO PLANS).
   f. TESTING, ADJUSTING, AND BALANCING.
   g. KEEPING A RECORD SET AND PREPARE AS-BUILT DRAWINGS.
2. BEFORE STARTING WORK, THIS CONTRACTOR SHALL VISIT THE JOB SITE AND EXAMINE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS TO SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF THE HVAC SYSTEM, MATERIALS, AND EQUIPMENT WITH OTHER CONTRACTORS TO AVOID INTERFERENCES AND CONFRONTATIONS.
3. RELOCATION OF EXISTING DUCT MAINS OR BRANCHES TO MEET STORE DESIGN CRITERIA MUST BE INCLUDED IN BID PROPOSAL.

M. HVAC EQUIPMENT

1. PRIMARY HEATING AND AIR CONDITIONING UNITS ARE TO BE FURNISHED BY BBWI AS SCHEDUDED UNLESS NOTED OTHERWISE. REFER TO PLANS FOR REQUIREMENTS. ALL EQUIPMENT SHALL INCLUDE A FIVE (5) YEAR COMPRESSOR AND TEN (10) YEAR HEAT EXCHANGER WARRANTY.
2. ALL EQUIPMENT SHALL BE COMPLETE IN EVERY RESPECT WITH ALL DEVICES AND ACCESSORIES PROVIDED TO MEET THE DESIGN INTENT AND OPERATION OF THE SYSTEMS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
3. EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

N. EQUIPMENT FURNISHED BY BATH & BODY WORKS, INC.

1. THE FOLLOWING EQUIPMENT IS FURNISHED BY BBWI AND INSTALLED BY THIS CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO RESPONSIBILITY SCHEDULE AND PLANS FOR APPLICABILITY.
   a. HVAC UNITS.
   b. TEMPERATURE CONTROLS.
2. ALL DUCTWORK, ROOF OPENINGS AND CAPS, DIFFUSERS, FANS AND ACCESSORIES NECESSARY TO PROVIDE A COMPLETE TOILET EXHAUST SYSTEM SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.

O. CURBS FOR SUPPORT

1. THIS CONTRACTOR SHALL FURNISH AND INSTALL CURB ADAPTORS ON EXISTING CURBS WHERE ALLOWED BY LANDLORD. CURB ADAPTORS MUST BE MANUFACTURED BY THYBAR, MICROMETL, OR BBWI APPROVED EQUAL.
2. WHERE EXISTING CURBS ARE NOT AVAILABLE OR WHERE CURB ADAPTORS ARE NOT ALLOWED THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY CURBS REQUIRED TO INSTALL ALL HVAC EQUIPMENT AS DESCRIBED ON THE DRAWINGS. CURBS SHALL BE A MINIMUM OF 14" HIGH (SEE M04.01 "LOCAL AREA REQUIREMENTS" ITEM # 5), OF THE SAME MANUFACTURER OF THE EQUIPMENT UNLESS NOTED OTHERWISE. CURBS SHALL ELEVATE THE UNIT(S) A MINIMUM OF 8" ABOVE ROOF LINE.
3. ALL CURBS AND CURB ADAPTORS SHALL BE INSTALLED SUCH THAT TOP OF CURBS ARE LEVEL. ALL PENETRATIONS OF EXISTING STRUCTURE SHALL BE DONE IN ACCORDANCE WITH THE LANDLORD'S GUIDELINES AT THIS CONTRACTOR'S EXPENSE. THIS CONTRACTOR SHALL RECEIVE BBWI PROJECT MANAGER'S WRITTEN APPROVAL BEFORE ANY WORK TAKES PLACE. THIS CONTRACTOR IS ALSO RESPONSIBLE FOR ALL SEISMIC, HURRICANE OR OTHER SECURING DEVICES REQUIRED BY LOCAL OR OTHER CODES.

P. LABELS/PIPE MARKERS

1. FURNISH AND INSTALL PIPE IDENTIFICATION MARKERS ON ALL PIPES INSTALLED UNDER THIS CONTRACT. MARKERS SHALL BE A MINIMUM OF 1-1/2" X 8" AND IDENTIFIED IN ACCORDANCE WITH THE BACKGROUND AND LETTER COLORS ISSUED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
2. PIPING SHALL BE IDENTIFIED AS FOLLOWS: CHILLED WATER RETURN, CHILLED WATER SUPPLY, CONDENSATE, HOT WATER RETURN, HOT WATER SUPPLY, CONDENSER WATER RETURN, CONDENSER WATER SUPPLY, REFRIGERANT LIQUID, REFRIGERANT SUCTION, AND DIRECTIONAL ARROWS. ALL IDENTIFICATIONS MUST BE VISIBLE AT EQUIPMENT.

Q. FINAL HVAC INSPECTIONS

1. ASIDE FROM NORMAL INTERIM INSPECTIONS OF WORK IN PLACE, BBWI SHALL HAVE AN INDEPENDENT HVAC CONTRACTOR INSPECT THE FINISHED HVAC INSTALLATION UPON COMPLETION FOR COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODES. THE INSTALLING CONTRACTOR WILL BE RESPONSIBLE TO BRING ALL ITEMS REPORTED BY THE INDEPENDENT HVAC CONTRACTOR UP TO PLANS AND SPECIFICATION REQUIREMENTS.

SECTION 230500: COMMON WORK RESULTS FOR HVAC

A. HANGERS

1. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL SUCH AS ANGLE IRON, BANDS, C-CLAMPS WITH RETAINING CLIPS, CHANNELS, HANGER RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK.
2. HANGERS SHALL BE FASTENED TO BUILDING STEEL, CONCRETE, OR MASONRY, BUT NOT TO PIPING. HANGING FROM METAL DECK IS NOT PERMITTED. HANGERS MUST BE ATTACHED TO UPPER CHORD OF BAR JOIST. WHERE INTERFERENCES OCCUR, AND IN ORDER TO SUPPORT DUCTWORK OR PIPING, THE CONTRACTOR MUST INSTALL TRAPEZE TYPE HANGERS OR SUPPORTS WHICH SHALL BE LOCATED WHERE THEY DO NOT INTERFERE WITH ACCESS TO FIRE DAMPERS, VALVES, AND OTHER EQUIPMENT. HANGER TYPES AND INSTALLATION METHODS ARE ALSO SUBJECT TO LANDLORD CRITERIA.
3. HANGERS FOR ALL INSULATED PIPING SHALL BE SIZED AND INSTALLED FOR THE OUTER DIAMETER OF INSULATION. INSTALL 6" LONG SPLIT CIRCLE GALVANIZED SADDLE BETWEEN THE HANGER AND THE PIPE INSULATION.
4. HANGERS AND PIPING OF DISSIMILAR METALS SHALL BE DI-ELECTRICALLY SEPARATED.

B. VIBRATION ISOLATION DEVICES

1. SPRING VIBRATION ISOLATION DEVICES SHALL BE FURNISHED AND INSTALLED IN ALL SUPPORTS BETWEEN VIBRATING EQUIPMENT (FANS, AIR HANDLERS, ETC.) AND STRUCTURE. ISOLATORS TO BE SIZED ACCORDING TO LOAD WITH A MIN. 1" DEFLECTION. VIBRATING EQUIPMENT HUNG FROM STRUCTURE SHALL BE ISOLATED WITH RUBBER AND SPRING DEVICES. VIBRATING EQUIPMENT SUPPORTED FROM FLOOR OR DECK SHALL BE ISOLATED WITH HOUSED SPRING MOUNT DEVICES.
2. EXAMINE DEAD LOAD AND OPERATING LOAD CONDITIONS WHEN SELECTING DEVICES. ADJUST FOR PROPER ALIGNMENT AND LOADING. AVOID "GROUNDING" THE ISOLATOR.
3. CHECK HANGER ROD SIZE FOR ALLOWABLE LOADS AT THE ISOLATING DEVICE AND AT THE UPPER AND LOWER ATTACHMENTS TO STRUCTURES, DUCTS, EQUIPMENT, ETC.
4. CONSULT MANUFACTURER FOR APPLICATION DATA.

C. TESTING, ADJUSTING, AND BALANCING

1. TESTING, ADJUSTING AND BALANCING OF ALL WORK SHALL BE MADE BY AN INDEPENDENT CONTRACTOR WHO IS A CURRENTLY LICENSED ASSOCIATED AIR BALANCING COUNCIL (AABC) OR NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) BALANCING CONTRACTOR. NO OTHER BALANCE REPORTS WILL BE ACCEPTED. ALL BALANCING WORK MUST BE COMPLETE AND DONE IN ACCORDANCE WITH THE MOST RECENT STANDARDS OF THEIR SOCIETY. TEST AND BALANCE TO BE PROVIDED BY BBWI.
2. FINAL TESTING, ADJUSTING AND BALANCING REPORT MUST BE COMPLETE AND SUBMITTED WITH FINAL CLOSE-OUT DOCUMENTS TO BBWI 1 WEEK PRIOR TO MERCHANDISING DATE.
3. THE HVAC CONTRACTOR SHALL BE PRESENT FOR AIR BALANCE TO VERIFY ACCESSIBILITY TO ALL DEVICES, VERIFY ALL OPERATING SEQUENCES (WITH CONTROLS WINDING REMOTELY SUPPORTING THE SEQUENCES) AND INSTALL NEW FILTERS IN ALL UNITS JUST PRIOR TO THE AIR BALANCE. THE COMPLETE AIR BALANCE SHALL TAKE PLACE WITH OUTSIDE AIR DAMPERS IN MINIMUM POSITION, EXCEPT AS NOTED OTHERWISE. HVAC CONTRACTOR SHALL ALSO INSTALL A NEW SET OF FILTERS ONE DAY PRIOR TO MERCHANDISING.
4. THE BALANCE REPORT SHALL INCLUDE AS A MINIMUM THE FOLLOWING INFORMATION:
   a. AABC OR NEBB CERTIFICATION NUMBER AND SIGNATURE OF BALANCING CONTRACTOR.
   b. INSTRUMENTATION LIST WITH LAST CALIBRATION DATES.
   c. MAKE AND MODEL NUMBERS OF ALL HVAC EQUIPMENT TESTED.
   d. AIR CFM AND STATIC PRESSURE READINGS (DISCHARGE AND SUCTION) AS MEASURED BY PITOT TUBE DUCT TRAVERSE AT THE UNIT.
   e. MOTOR NAMEPLATE DATA WITH ACTUAL FIELD VOLTAGE AND AMPERAGE READINGS FOR EACH LEG.
   f. MOTOR AND FAN RPMS, SHEAVE SIZES AND BELT SIZES.
   g. OUTSIDE, RETURN, MIXED AND SUPPLY AIR TEMPERATURES AT FULL COOLING.
   h. WATER BALANCE DATA INCLUDING GPM WITH INLET AND OUTLET TEMPERATURE AND PRESSURE READINGS (WHERE APPLICABLE).
   i. MAKE AND MODEL NUMBERS OF ALL AIR DISTRIBUTION EQUIPMENT.
   j. FINAL BALANCED AIR VOLUMES AT ALL OUTLETS (INCLUDING RETURNS WHERE DUCTED).
   k. INDEXED PLAN WITH DIFFUSER AND RETURN LOCATIONS.
   l. MAXIMUM AND MINIMUM SET POINTS FOR DEMAND CONTROL VENTILATION SYSTEMS INCLUDING CFM, FAN SPEED, AND OUTDOOR AIR DAMPERS POSITIONS.
5. BALANCE ALL MEDIA QUANTITIES TO WITHIN 5% OF THAT INDICATED ON THE DRAWINGS WITH STORE IN OPERATING CONDITION (SALES/NON-SALES, OFFICE, AND RESTROOM DOORS CLOSED). ANY REQUIRED CHANGES IN SHEAVES, BELTS OR PULLEYS NEEDED TO ACHIEVE SPECIFIED FLOW RATES SHALL BE PERFORMED BY THE HVAC CONTRACTOR WITH NO ADDITIONAL COST TO BBWI.
6. ALL CONTROL SEQUENCES SHALL BE TESTED (INTERLOCKED EQUIPMENT, SMOKE DETECTORS, SMOKE EVACUATION, ECONOMIZER, ETC.) AND OPERATING STATUS RECORDED IN THE BALANCE REPORT.
7. AIR BALANCING CONTRACTOR IS TO CONFIRM OVERRIDE OF MINIMUM OUTSIDE AIR INTAKE UPON CO2 MONITORING CONFIRMATION. FOR CO2 MONITORING CONTACT, SEE CONTACT INFORMATION ON SHEET M01.01.
8. THREE COPIES (ELECTRONIC COPIES ARE ACCEPTABLE) OF THE BALANCE REPORT SHALL BE SUBMITTED THROUGH THE GENERAL CONTRACTOR TO BBWI FOR APPROVAL. THE GENERAL CONTRACTOR SHALL VERIFY THE COMPLETENESS OF THE REPORTS PRIOR TO SUBMITTING TO BBWI. SUBMIT ONE COPY OF FINAL APPROVED AIR BALANCE REPORT TO MALL GENERAL MANAGER.
9. EQUIPMENT SUPPLIER SHALL BE RESPONSIBLE FOR ENSURING PROGRAMMING FOR ALL OUTDOOR AIR DAMPERS REFLECTS THE APPROVED CERTIFIED AIR BALANCE. CONTROLS VENDOR SHALL PROVIDE REMOTE SUPPORT AS NEEDED TO TAB CONTRACTOR TO ENSURE DAMPER SETPOINT.
10. THE BALANCING CONTRACTOR SHALL PERFORM ALL APPLICABLE TESTING AND BALANCING FUNCTIONS REQUIRED FOR THE SYSTEM DESIGNED ON THESE DRAWINGS. ALL SYSTEMS UNABLE TO BE COMPLETELY BALANCED AT THE TIME OF ORIGINAL BALANCE MUST BE BALANCED IN FUTURE AT NO ADDITIONAL EXPENSE TO BBWI THE BALANCING CONTRACTOR SHALL RECHECK ANY ITEMS THAT BBWI DEEMS NECESSARY AT NO ADDITIONAL COST TO BBWI.

D. VALVES

1. GATE VALVES, 2-INCH AND SMALLER: CLASS 150, BODY AND UNION BONNET OF ASTM B 62 CAST BRONZE WITH THREADED OR SOLDER ENDS, INTEGRAL SEAT, RENEWABLE SOLID BRONZE WEDGE DISC, RISING STEM, SOLDERED BONNET AND GE-PACKABLE UNDER PRESSURE. BALL VALVES ARE ACCEPTED AS AN EQUAL SUBSTITUTION.
2. GATE VALVES, 2-1/2-INCH AND LARGER: CLASS 125 CAST IRON BODY, RENEWABLE BRONZE SEATS AND SOLID WEDGE DISC, RISING STEM, FLANGED ENDS, AND BE-PACKABLE UNDER PRESSURE.
3. SWING CHECK VALVES, 2-INCH AND SMALLER: CLASS 150, CAST BRONZE BODY AND CAP CONFORMING TO ASTM B 62 WITH HORIZONTAL SWING, Y-PATTERN, RENEWABLE BRONZE DISC, AND HAVING THREADED OR SOLDERED ENDS.
4. SWING CHECK VALVE, 2-1/2-INCH AND LARGER: CLASS 125 CAST IRON BODY AND BOLTED CAP, HORIZONTAL SWING, RENEWABLE BRONZE DISC, FLANGED ENDS AND CAPABLE OF BEING REFITTED WHILE THE VALVE REMAINS IN THE LINE.
5. COMBINATION BALANCING AND SHUTOFF VALVES: BELL & GOSSETT CIRCUIT SETTER WITH LOCKING SET POINT. A CIRCUIT SETTER BALANCE WHEEL MUST BE INCLUDED WITH D & M MANUAL. TACO OR ORISWOLD ARE CONSIDERED AS EQUAL.

SECTION 230700: HVAC INSULATION

A. DUCTWORK INSULATION

1. FURNISH AND INSTALL INSULATION PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES. INSULATION MUST COMPLY WITH NFPA/NFPAC 90A.
2. ALL INSULATION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NO HIGHER THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84-05, OR AS REQUIRED BY LOCAL CODES.
3. DUCTWORK SHALL BE INSULATED ACCORDING TO THE ENERGY CODE ADOPTED BY LOCAL AHJ. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM CODE AND PROVIDE ADEQUATE INSULATION AS INDICATED BELOW (WITHIN ASSUMED PARAMETERS).THIS SPEC DOES NOT INCLUDE REQUIREMENTS FOR DUCTWORK LOCATED WITHIN A VENTILATED ATTIC OR OUTSIDE. IN SUCH INSTANCES, REFER DIRECTLY TO CODE ADOPTED BY LOCAL AHJ.
   a. RECTANGULAR SUPPLY AND RETURN AIR DUCTS - PLENUM OR DUCTED RETURN AIR SYSTEM: DUCT SIZES SHOWN ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. ALL RECTANGULAR DUCTWORK (SUPPLY AND RETURN) SHALL BE EXTERNALLY INSULATED TO THICKNESS LISTED BELOW.
      (1) ASHRAE 90.1-2007, 2010, 2013 & 2016 IECC-2009, 2012, 2015 & 2018 OREGON ENERGY CODE-2014. WASHINGTON STATE ENERGY CODE-2015: PROVIDE 2" THICK, 1.0 LB/FT^3 (R=7.6, R=6.1 INSTALLED) DUCT WRAP WITH VAPOR BARRIER
   4. ALL OUTDOOR AIR (ROUND, OVAL, AND RECTANGULAR) AND ROUND/OVAL SUPPLY AIR DUCTWORK SHALL BE EXTERNALLY INSULATED AS INDICATED:
      a. PLENUM AND DUCTED RETURN AIR SYSTEMS: ALL OUTDOOR AIR (ROUND, OVAL, AND RECTANGULAR) AND ROUND/OVAL SUPPLY AIR DUCTWORK SHALL BE EXTERNALLY INSULATED WITH A DUCT WRAP WITH VAPOR BARRIER. REFER TO THICKNESS BELOW. VAPOR BARRIER IS TO BE MAINTAINED THROUGHOUT DUCT SYSTEM. ALL JOINTS MUST BE OVERLAPPED AND TUCKED SO THAT NO INSULATION FIBER IS VISIBLE (TAPING OR MASTIC IS REQUIRED. OVERLAP WITH WIRE IS NOT ACCEPTABLE). EXTEND DUCTWORK INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS AND OTHER PENETRATIONS.
         (1) ASHRAE 90.1-2007, 2010, 2013. & 2016 INTERNATIONAL ENERGY CODE-2009, 2012,

MECHANICAL COMPLIANCE SUMMARY

2018 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1

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Project & Applicant Information				
	Project Title	Bath & Body Works - South Hill - 2018 WSEC	For Building Department Use:	Date: Oct 31, 2022
	Project Address	3500 South Meridian Street Space 235 Puyallup, WA 98373		
	Applicant Name	Chase Beardsley		
	Applicant Phone	330-659-6688		
	Applicant Email	CBeardsley@thorsenbaker.com		

For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

General Occupancy	All Commercial		General Building Use Type	Retail, Enclosed Mall		Building Cond. Floor Area	4,774
General Project Types	Alteration	New Building or Addition Mechanical Scope		Alteration Mechanical Scope	Single Zone Systems & Equipment	Project Cond. Floor Area	4,774
						Floors Above Grade	1
						Compliance Method	Compliance Method 1 - General
Mechanical Project Description	Remodel of a current Bath & Body Works taking over an adjacent tenant space. Two new heat pump RTUs and one split system are conditioning the space.						

Mechanical Compliance Scope and Method	Project Type	Mechanical Scope	Economizer Exception(s) Applied?	DOAS Ventilation Provided?	Higher Equipment Efficiency Option Applied?	Equipment Efficiency Compliance Verification
	Alteration	Single Zone Systems & Equipment	Yes	No	NA	COMPLIES
Additional Efficiency Credits Included (AEC)						
Does building include occupancy classifications requiring DOAS?	Yes		Does project include DOAS equipment?			No
Based on project scope do TSPR requirements apply?	No		Do all systems comply with Appendix D standard reference design or qualify for an exception to TSPR?			No

Scope & Space Conditioning	ALTERATION - SINGLE ZONE SYSTEMS & EQUIPMENT	Compliance Verification	COMPLIES

Single Zone Air Systems Category - Air handling unit, hydronic

Air System Summary Information

System/Equip ID	Supply Airflow Control	Ventilation Standard	Ventilation CFM	Ventilation Air Source	Paired with DOAS	Ventilation energy recovery	Energy Recovery Efficiency (%)
AHU-1	Constant volume	OSHA or WAC	600	Integral		Not provided, not required	

Air Systems & Equipment - Cooling

System/ Equip ID	Cooling System/Equip Type	Specific Type	Cooling Capacity per item (Btu/h)	AEC Efficiency Multiplier	Econo Exception Multiplier (FI. & PI.)	Combined Efficiency Multiplier (AEC & Econo)	Proposed Cooling Efficiency	CE Units	Proposed Part Load Efficiency	PL Units	Efficiency Compliance Verification
AHU-1	Air conditioner, air cooled	Split system DX	19,003	1	0	1	17.0	SEER		IEER	COMPLIES

Air Systems & Equipment Details

System/Equip ID	Area(s) Served	Location In Project Documents - Plan/Detail #	
AHU-1	Non-Sales	M02.01	
	Heating Section/Auxiliary Heating Type: Electric resistance (or None)		Economizer Compliance Method: Economizer not required
	WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(1)A - Unitary Air Conditioners & Condensing Units		

Single Zone Air Systems Category - Heat pump, packaged (PTHP, SPVHP, room)

Air System Summary Information

System/Equip ID	Quantity	Supply Airflow	Ventilation Standard	Ventilation CFM	Ventilation	Paired with DOAS	Ventilation energy recovery	Energy Recovery
RTU-2		Variable air volume	OSHA or WAC	3,000	Integral			
RTU-1		Variable air volume	IMC Ventilation	1,600	Integral			

Air Systems & Equipment - Cooling

System/ Equip ID	Cooling System/Equip Type	Specific Type	Cooling Capacity per item (Btu/h)	AEC Efficiency Multiplier	Econo Exception Multiplier (FI. & PI.)	Combined Efficiency Multiplier (AEC & Econo)	Proposed Cooling Efficiency	CE Units	Proposed Part Load Efficiency	PL Units	Efficiency Compliance Verification
RTU-2	Heat pump, vertical (SPVHP)	Single package, vertical	96,200	1	0	1	11.8	EER			COMPLIES
RTU-1	Heat pump, vertical (SPVHP)	Single package, vertical	48,800	1	0	1	13.0	EER			COMPLIES

Air Systems & Equipment - Heating

System /Equip ID	Heating System/Equip Type	Specific Type	Heat Pump Heating Capacity (Btu/h)	Cooling Capacity (Btu/h)	AEC Efficiency Multiplier	Proposed Heat Pump Heating Efficiency	HPH Units	Proposed Low ONA Temp Efficiency	ETH Units	Efficiency Compliance Verification
RTU-1	Heat pump, vertical (SPVHP), heating	Single package, vertical heat pump	42,020	48,800	1	3.6	COP			COMPLIES
RTU-2	Heat pump, vertical (SPVHP), heating	Single package, vertical heat pump	84,300	96,200	1	3.5	COP			COMPLIES

Air Systems & Equipment Details

System/Equip ID	Area(s) Served	Location In Project Documents - Plan/Detail #	
RTU-2	Sales and Restroom	M02.01	
	System Equip ID for a single or multiple items?: Single item		
	Economizer Compliance Method: Air-side economizer provided		WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(3) - Packaged Terminal and Vertical AC and HP
	WSEC Equip Efficiency Reference Table - Heating: Table C403.3.2(3) - Packaged Terminal and Vertical AC and HP		
RTU-1	Sales	M02.01	
	System Equip ID for a single or multiple items?: Single item		
	Economizer Compliance Method: Air-side economizer provided		WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(3) - Packaged Terminal and Vertical AC and HP
	WSEC Equip Efficiency Reference Table - Heating: Table C403.3.2(3) - Packaged Terminal and Vertical AC and HP		

Mechanical Requirements List, pg 1 of 25

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2022 NEEA, All rights reserved

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Project:
Bath & Body Works - South Hill - 2018 WSEC
3500 South Meridian Street
Space 235
Puyallup, WA 98373

Date: 2022-11-03

Applies	Code Section	Code Provision	Compliance Information Required In Permit Documentation	Location in Documents	Building Department Notes
SCOPE					
NA	C103.1	Construction documents - General	For a shell & core or tenant space (first build-out) project, indicate if there is no mechanical scope included in the project.		
NA	C103.1	Construction documents - General	For an alteration project, indicate if there is no mechanical scope included in the project.		
PERFORMANCE CRITERIA & SYSTEM DESIGN					
NA	C403.1	Exempt process equipment	Identify equipment used by manufacturing, industrial or commercial processes that are not for space conditioning or maintaining comfort and amenities for occupants; identify provisions applicable to this equipment per C403.1 exception		
NA	C403.1.1	HVAC total system performance ratio (TSPR)	For systems serving office, retail, library or education occupancies, provide a TSPR report that demonstrates the proposed design ratio is equal to or greater than the standard reference design ratio, or exception applied		
YES	C403.1.2	Calculation of heating and cooling loads	Provide load calculations performed per ASHRAE Std 183 or equivalent, using design parameters per C302 and Appendix C; include load adjustments to account for energy recovery	M04.01	
NA	C403.1.3	Data centers	Provide documentation that demonstrates that data center systems comply with the maximum allowed Design MLC and Annualized MLC per ASHRAE 90.4 with 2018 WSEC adjustments per climate zone		
NA	C403.2.1 C403.4.2.2	Zone isolation	If there are HVAC zones that are intended to be occupied non-simultaneously, identify isolation zone areas on plans; if multiple zones intended to be occupied simultaneously will be combined into a single isolation zone, include on plans that the combined zone area does not exceed 25,000 sf and does not include more than one floor; or exception applied		
NA			Indicate locations of associated zone isolation dampers in HVAC distribution system		
YES			Refer to HVAC Controls section in Requirements List for applicable automatic setback and shutdown controls requirements	M04.01	
EQUIPMENT SELECTION & PERFORMANCE					

Mechanical Requirements List, pg 2 of 25

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Applies	Code Section	Code Provision	Compliance Information Required In Permit Documentation	Location in Documents	Building Department Notes
YES	C403.3.1	Equipment and system sizing	Indicate that output capacities of heating and cooling equipment and systems are no greater than the smallest available equipment size that exceeds the calculated loads; note exceptions applied	M01.01	
YES	C403.3.2 C403.9.1	HVAC equipment performance requirements (efficiency)	Provide equipment schedules on plans and in WSEC mechanical equipment compliance reports; indicate equipment type, calculated loads, capacity, rated and WSEC minimum efficiencies for all heating and cooling equipment; include supply and ventilation air cfms and operating hours for all air systems; identify heating and cooling equipment that does not have a corresponding WSEC minimum efficiency (manufacturer rated)	M01.01	
NA	C405.8	Electric motor efficiency	List all motors ≥ 1/12 hp (that are not integral to a rated piece of equipment) in the mechanical or electrical equipment schedules on plans; indicate motor type and applicable efficiency table, hp, rpm, number of poles and rated efficiency, or exception applied		
NA	C403.3.2	Gas and oil-fired forced air furnace and unit heaters	For forced air furnaces with capacity ≥ 225,000 Btu/h and all unit heaters, indicate in equipment schedule intermittent ignition or IID, flue or draft damper, and rated jacket loss		
YES	C403.3.2.4	Packaged electric heating / cooling equipment	Verify all packaged electric equipment with > 6,000 Btu/h cooling capacity and any amount of heating is a heat pump; include in equipment schedules	M01.01	
YES	C403.3.3	Hot gas bypass limitation for DX cooling equipment	For cooling equipment with hot gas bypass, provide either multiple step unloading or continuous capacity modulation; indicate bypass capacity per Table C403.3.3	M01.01	
NA	C403.3.2.5	Humidification	For cooling systems with humidification equipment that are also required to have air economizer, indicate humidifier is adiabatic (direct evaporative or fog atomization), or exception applied		
NA	C403.3.2	Hydronic equipment	Refer to Requirements List section Hydronic Systems - Equipment Selection & Performance for selection criteria specific to chillers and boilers		
NA	C403.9	Heat rejection equipment	Refer to Requirements List section Heat Rejection Systems - Equipment Selection & Performance for selection criteria specific to cooling towers, dry coolers and condensers (air-cooled and evaporative)		
EQUIPMENT SELECTION & PERFORMANCE - DEDICATED OUTSIDE AIR SYSTEMS (DOAS)					

Mechanical Requirements List, pg 3 of 25

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2022 NEEA, All rights reserved

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Applies	Code Section	Code Provision	Compliance Information Required In Permit Documentation	Location in Documents	Building Department Notes
NA	C403.3.5 C403.3.5.4	Dedicated outdoor air systems	For buildings with occupancies required to comply with the DOAS provisions per Table C403.3.5, identify on plans all occupancies in the building and indicate which occupied spaces are required to have ventilation air delivered by a DOAS; or exception applied		
NA			If natural ventilation exception is applied, identify these spaces on plans; indicate operable window area complies with IMC Section 402; provide documentation describing how required ventilation will be provided during all occupied hours, including during inclement weather		
NA			If high efficiency VAV exception is applied, identify these spaces on plans; refer to Single Zone VAV section for Groups A-1, A-2 and A-3 occupancy classifications, or Multiple Zone VAV for other than Groups A-1, A-2 and A-3 (per Table C403.3.5)		
NA			If compliance with the DOAS provisions is deemed to be impractical, provide documentation that demonstrates the alternate design strategy applied that achieves a comparable level of energy efficiency, as pre-approved by the AHJ		
NA			Refer to Requirements List section after Multiple-Zone Air Systems for High Efficiency Multiple-Zone VAV Systems exception to C403.3.5 DOAS		
NA			Refer to Requirements List section after High Efficiency Multiple-Zone Air Systems for High Efficiency Single-Zone VAV Systems exception to C403.3.5 DOAS		
NA	C403.3.5.1	DOAS energy recovery method and effectiveness	For all DOAS systems, indicate exhaust air ER method and basis of rated effectiveness (sensible or latent); indicate ≥ 60% sensible or ≥ 50% enthalpy ER effectiveness based on delta between outdoor air and return air enthalpies at design conditions; or exception applied		
NA			If applying exception for DCV, identify occupant load in space and airflow control configured to reduce ventilation rate by ≥ 50% when occupancy is less than design occupancy		
NA	C403.3.5.1	DOAS fan power	For DOAS with total system fan hp < 5 hp, indicate total system fan power does not exceed 1 watt per cfm		
NA			For DOAS with total system fan hp ≥ 5 hp, indicate total system fan power complies with fan power limitation per Section C403.8.1		

Mechanical Requirements List, pg 4 of 25

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Applies	Code Section	Code Provision	Compliance Information Required In Permit Documentation	Location in Documents	Building Department Notes
NA	C403.3.5.2	Heating / cooling system controls with DOAS	Indicate systems and equipment associated with the delivery of zone level heating and cooling (fans, hydronic pumps, primary air dampers, etc) are configured to shut off, and central equipment is configured to turn down, when there is no call for heating or cooling in the zone they serve		
NA			If applying Exception to heating / cooling fans used for air mixing in the space during deadband periods, include fan watts per cfm in equipment schedule		
NA	C403.3.5.3	Decoupled DOAS supply air	Indicate method of delivery of DOAS supply air to the occupied space (directly into space, downstream of terminal heating / cooling coils); or exception applied		
NA	C403.6.1	Multiple zone DOAS	For DOAS serving multiple zones, indicate controls configured to reduce the volume of outdoor air in each zone independently when the zone is unoccupied; or exception applied		
ADDITIONAL EFFICIENCY CREDITS - DEDICATED OUTSIDE AIR SYSTEMS (DOAS)					
NA	C406.6	DOAS	For building occupancies not subject to the requirements of Section C403.3.5, to comply with this additional efficiency credit, provide calculations that demonstrate 90% or more of the total floor area of all occupied, conditioned spaces are served by a DOAS per C403.3.5		
NA	C406.7	High performance DOAS - Energy recovery effectiveness and fan power	For all building occupancies, to comply with this additional efficiency credit, demonstrate compliance with C406.6		
NA			Indicate energy recovery sensible effectiveness of all DOAS is ≥ 80%		
NA			For each system, indicate that total system fan power does not exceed 0.5 watts per cfm		
FANS AND FAN CONTROLS					
YES	C403.8.1	Fan power limitation	For all HVAC fan systems that provide heating and / or cooling and all DOAS, provide system total nameplate hp in equipment schedules on project plans	M01.01	
NA			For all applicable HVAC systems with total fan motor nameplate hp > 5hp, verify fan system motor hp or bhp complies with fan power limits per equations in Table C403.8.1(1)		
NA			Terminal units installed in conjunction with a DOAS (hydronic heat pumps, VRF heat pumps, chilled/hot water terminal units, variable volume terminal units) shall be treated as independent air-handling units for purposes of fan power calculations		

REVISED WSEC REQUIREMENT FORMS PER BUILDING DEPARTMENT COMMENTS.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

PRCTI20221802

MECHANICAL SPECIFICATIONS

NTS
00D-M0601-A00-DETL
A
12/22/17

Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 231So.00
A/E PROJECT #: 20221012.0

104.01.0737.01

REVISIONS:

!	REQUIRED BY:	DATE:
1	REV1 - POR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

WSEC REQUIREMENTS

DRAWING NUMBER:
M06.01

Mechanical Requirements List, pg 5 of 25

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NA	C403.8.2	Motor nameplate hp	For all applicable HVAC systems with total fan motor nameplate hp > 5hp, indicate fan motors specified are the smallest available motor hp size greater than fan bhp, note exceptions applied	
YES	C405.8	Fractional hp fan motors	For all fractional hp fan motors (1/12 - 1 hp), indicate that motors comply with applicable WSEC efficiency tables; if motor type is not listed in an efficiency table, indicate whether fan has an electronically commutated motor, has motor rated efficiency of at least 70%, or exception applied	M01.01
NA	C403.8.3	Fan efficiency	For individual fans > 5hp, and multiple fans combined in series or parallel that operate as the functional equivalent of a single fan with a combined total motor hp > 5hp, indicate in equipment schedule that rated FEG for all applicable fans is ≥ 67, or exception applied; indicate these fans are sized so total efficiency is within 15% of the fan maximum total efficiency	
NA	C403.8.4	Group R occupancy exhaust fan efficacy	For all exhaust fans ≤ 400 cfm in Group R occupancies, indicate in equipment schedule the fan flow rate and efficacy (cfm/watt), or exception applied; refer to Table C403.8.4	
NA	C403.2.3	Variable flow capacity - fans	For fan motors ≥ 7.5 hp, indicate method of variable flow control (VSD or equivalent method) in equipment schedule, or exception applied	
YES	C403.8.5.1	Fan airflow control	For DX air handling units with cooling capacity ≥ 42,000 Btu/h and evaporative and chilled water air handling units with fan ≥ 0.25 hp, indicate whether system is single zone or multiple zone and related control method (cooling capacity controlled in response to space temperature, space temperature is controlled by modulating supply airflow, or both)	M04.01
YES			For mechanical cooling systems (includes DX and chilled water coils) that control cooling capacity in response to space temperature - Provide a minimum of two stages of fan control; indicate minimum fan speed is ≤ 66% of full speed drawing ≤ 40% of full speed fan power during periods of low cooling or ventilation only	M01.01

Mechanical Requirements List, pg 6 of 25

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NA			For other mechanical cooling systems (includes DX and chilled water coils) that control space temperature by modulating airflow (in lieu of, or in addition to, controlling capacity in response to space temperature) - Provide fan controls for modulating supply airflow; indicate minimum fan speed is ≤ 50% of full speed drawing ≤ 30% of full speed fan power during periods of low cooling or ventilation only; or exception applied	
ADDITIONAL EFFICIENCY PACKAGE OPTION, MORE EFFICIENT HVAC EQUIPMENT & FAN PERFORMANCE - MUST COMPLY WITH ALL 3 PROVISIONS TO BE ELIGIBLE				
NA	C406.2.1	HVAC system selection	To comply with this additional efficiency credit, provide calculations that demonstrate (based on heating and cooling output capacity) that 90% or more of all HVAC equipment serving conditioned floor areas have a corresponding WSEC listed efficiency; or exception applied	
NA	C406.2.2	Minimum equipment efficiency	In addition to system selection requirement, indicate that all associated heating and cooling equipment have a rated efficiency for all equipment performance criteria (heating, cooling, full load, part load) that is at least 15% better than the listed WSEC efficiency; include specific equipment exceptions applied	
NA			For systems required to provide a TSPR report per C403.1.1, demonstrate that the proposed design ratio is at minimum 10% higher than the standard reference design ratio	
NA			For projects complying via weighted average efficiency exception, include calculations that demonstrate the overall average better than code efficiency of all equipment performance criteria for all equipment is ≥ 15%; indicate that all equipment has at least 5% better than code efficiency	
NA			For systems serving low energy and semi-heated spaces, indicate that 90% or more of installed heating output capacity is provided by electric infrared or gas-fired radiant equipment for localized heating applications only	
NA	C406.2.3	Minimum fan efficiency grade	In addition to system selection and efficiency requirements, indicate rated FEG of all ≥ 1 hp (750 watt) stand alone supply, return and exhaust fans is ≥ 71; indicate these fans are sized so the fan efficiency at design conditions is within 10% of the maximum total or static efficiency	
VENTILATION, EXHAUST & ENERGY RECOVERY				
YES	C403.2.2.1	Ventilation	Indicate method of ventilation air delivery (natural or mechanical) for each zone	M01.01/M04.01

Mechanical Requirements List, pg 7 of 25

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YES			If mechanically delivered, indicate that ventilation systems are configured to provide not more than 150% of, but at least the minimum required volume of outdoor air to each zone per IMC, ASHRAE 62.1 or other applicable code (WAC, OSHA, etc); or exception applied	M04.01
NA			If delivered via natural ventilation, identify required elements per IMC including: minimum openable area to the outdoors or qualifying adjoining spaces; criteria for ensuring required ventilation is provided during all occupied hours of the year (including during inclement outdoor conditions)	
YES	C403.2.2.2	Exhaust	Indicate that exhaust systems are configured to provide not more than 150% of, but at least the minimum required volume from each zone per IMC, or other applicable code (WAC, OSHA, etc); or exception applied	M04.01
YES	C403.4.2.4	Exhaust system off-hour controls	Refer to Requirements List section HVAC Controls for off-hour controls requirements for exhaust systems	M04.01
NA	C403.3.6	Balanced ventilation for Group R-2 occupancy	For Group R-2 dwelling and sleeping units, indicate that each habitable space is provided with a balanced ventilation system; indicate system is provided with energy recovery with 60% sensible recovery effectiveness	
NA	C403.7.1	Demand controlled ventilation	Identify spaces > 500 sf with occupant load ≥ 25 people/1,000 sf per IMC; for each space indicate whether it is served by an HVAC system with total design ventilation air > 3,000 cfm, and / or the system has airside economizer or automatic modulating outdoor air damper; indicate controls are configured to provide demand controlled ventilation or provide supporting documentation for applied exception	
NA	C403.7.2	Occupancy sensors	For gyms, classrooms, auditoriums, conference rooms and other spaces with occupant load ≥ 25 people/1,000 sf per IMC, that have an area > 500 sf, indicate occupancy-based ventilation air control when space is unoccupied and method (closes outdoor air damper or shuts-off equipment); or alternate means provided to automatically reduce ventilation air when space is partially occupied; or exception applied	
YES	C403.7.3	Ventilation air heating control	For ventilation air systems that operate in conjunction with heating and cooling systems, indicate that ventilation air is tempered (via heating or heat recovery) to no greater than 60F when the space conditioning system is in cooling mode	M04.01

Mechanical Requirements List, pg 8 of 25

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NA	C403.7.4.2	Ventilation controls for Group R-1 guestrooms	Refer to Requirements List section HVAC Controls for Group R-1 temperature setback and set-up controls	
NA			Indicate method of ventilation and exhaust isolation for each guest room and automatic controls that are configured to turn off ventilation and exhaust airflow when each room is unoccupied	
NA	C403.8.4	Group R occupancy exhaust fan efficacy	Refer to Requirements List section Fans & Fan Controls	
NA	C403.7.5 C403.7.5.1	Enclosed loading dock ventilation	For enclosed loading docks, indicate ventilation / exhaust system method of activation (gas detection system for CO and NO2, or occupancy sensors), and control method (staged or modulating)	
NA	C403.7.5 C403.7.5.2	Enclosed parking garage ventilation	For enclosed parking garages, indicate ventilation / exhaust system activated by gas detection system for CO and NO2, and control method (staged or modulating); or exception applied	
NA	C403.7.6	Ventilation / exhaust systems energy recovery	For systems with design ventilation air > 5,000 cfm, or design supply air cfm and % ventilation air exceeding the values in Tables C403.7.6(1) or (2), indicate exhaust air energy recovery method; or exception applied with supporting calculations	
NA			For rooms served by multiple systems with aggregate design ventilation air > 5,000 cfm, or aggregate design supply air cfm and % ventilation air exceeding the values in Tables C403.7.6(1) or (2), indicate exhaust air energy recovery method; or exception applied with supporting calculations	
NA			Indicate energy recovery rated effectiveness that increases outdoor air enthalpy by ≥ 50% based on delta between outdoor air and return air enthalpies at design conditions	
NA	C403.7.7.1.1 C403.7.7.1.2 C403.7.7.1.3	Kitchen exhaust hood system	Indicate on plans the type, duty, UL rating and exhaust airflow rate of each kitchen hood	
NA			Provide calculations that show a balanced accounting of total kitchen exhaust (include all hoods) with % of: supply air, transfer air from adjacent spaces, and make-up air	
NA			For hoods with make-up air drawn directly into the exhaust air cavity of each hood, indicate that replacement air does not exceed 10% of hood exhaust airflow rate	
NA			For kitchens with total hood exhaust exceeding 2,000 cfm, indicate that each hood is UL 710 rated and maximum exhaust airflow rate of each hood is per Table C403.7.7.1.2; or exception applied	

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NA			For kitchens with total hood exhaust exceeding 2,000 cfm, indicate energy efficiency compliance method (demand ventilation, energy recovery, or transfer air that would otherwise be exhausted); or exception applied	
NA	C403.7.7.2	Laboratory exhaust systems energy recovery	For buildings with total lab exhaust > 5,000 cfm, indicate method of energy recovery used to pre-condition laboratory make-up air; energy recovery effectiveness (min 25°F increase in outside air temperature); or alternative method per exception (VAV exhaust, semi-conditioned makeup, or CERM calculation)	
NA	C403.7.7.3	Transfer air	For spaces where conditioned supply air is utilized as transfer air to balance mechanical exhaust, indicate basis of transfer airflow (supply required to meet loads, health/safety requirement, air that would normally be exhausted); or exception applied	
YES	C403.7.8.1 C403.7.8.3	Shutoff dampers for building isolation	Indicate locations of outdoor air intake, exhaust and relief outlet dampers on plans; indicate whether dampers are Class 1 motorized, or gravity and exception applied (include leakage rating, cfm/sf)	M01.01/M02.01
NA			Indicate location of stairway and elevator hoistway shaft vent dampers on plans; verify dampers are Class 1 motorized; or exception applied	
YES	C403.7.8.2 C403.7.8.3	Shutoff dampers for return air	Indicate locations of return air dampers that are integral to airside economizer operation; verify dampers are motorized; indicate whether dampers are Class 1, or within packaged equipment eligible for leakage rating exception (include leakage rating, cfm/sf)	M02.01/M04.01
YES	C403.7.8.4	Damper actuation	Indicate automatic controls configured to close outdoor air intake, exhaust and relief outlet dampers during unoccupied equipment operation; not including economizer cooling, night flush or IMC required outdoor air / exhaust	M04.01
NA			Indicate method of activation of stairway and elevator hoistway shaft vent dampers (fire alarm or interruption of power)	
NA	C404.11.4	Exhaust system energy recovery for heated indoor pools and permanent spas	For buildings with pools or spas with water surface area > 200 sf, indicate exhaust air energy recovery method and use of waste heat (preheat ventilation air, pool water or service hot water); or exception applied	
NA			Indicate energy recovery system has the rated effectiveness and is configured to decrease the exhaust air temperature at design conditions by ≥ 36°F	

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HVAC CONTROLS				
YES	C403.4.1	Thermostatic controls (thermostats and humidistats)	Indicate locations of thermostatic and humidity control devices and the zones they serve on plans, including perimeter system zones	M02.01
NA			Where adjacent (neighboring) zones are controlled by separate thermostats (including perimeter systems used to offset heat gain or loss), and are connected by permanent openings > 10% of either zone sf area, indicate controls configured to prevent adjacent zones from operating in conflicting modes (one in heat, other in cool); applies to adjacent perimeter zones, adjacent nonperimeter zones, and adjacent perimeter and nonperimeter zones	
NA			If applying Exception 2 to nonperimeter zones adjacent to perimeter zones, indicate that setpoints and deadband settings in these zones are coordinated so cooling in a nonperimeter zone does not occur until the temperature in that zone is 5°F higher than the adjacent perimeter zone temperature in heating	
YES			If applying Exception 3 for DOAS, indicate supply air temperature heating setpoint is ≤ 65°F and cooling setpoint is ≥ 72°F, or method of supply air temperature reset	M04.01
YES	C403.4.1.1	Heat pump supplementary heat	Indicate staged heating operation with compression as the first stage of heating and supplemental heating controlled with outdoor lock-out temperature set to 40°F or less	M04.01
NA	C403.4.1.2	Deadband	Indicate zone thermostatic controls configured with 5°F minimum deadband for systems that control both heating and cooling	
NA	C403.4.1.3	Setpoint overlap restriction (thermostats)	If separate heating and cooling thermostatic control devices are used to serve a zone, indicate locations of both thermostatic control devices and the zone they serve on plans	
NA			Indicate a limit switch, mechanical stop or DDC control with programming to prevent simultaneous heating and cooling	
NA	C403.4.1.4	Heated or cooled vestibules	Indicate thermostatic controls within heating or cooled vestibules with a heating setpoint ≤ 60°F and cooling setpoint ≥ 85°F; indicate controls are configured to turn off heating when outdoor temperature is > 45°F; or note exception applied	
NA	C403.4.1.4	Heated air curtains	Indicate controls are configured to turn off air curtain heating when outdoor temperature is > 45°F	

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NA	C403.4.1.6	Door switches for HVAC system thermostatic control	Where doors open to the outdoors from a conditioned space, indicate automatic controls configured to setback the HVAC system(s) when the door is open for > 5 minutes; indicate method of HVAC system setback control (turns off the HVAC system or resets the heating setpoint to 55°F and cooling setpoint to 85°F), or exception applied	
YES	C403.4.2 C403.4.2.1 C403.4.2.2	Automatic setback and shutdown	Indicate zone thermostatic controls configured with required automatic setback and manual override functions, setback temperatures, and control method (automatic time clock or 7 day programmable controls); note exceptions applied	M04.01
YES	C403.4.2.3	Automatic (optimum) start and stop	Indicate all HVAC systems are provided with automatic start and stop controls; indicate start controls are configured to adjust the equipment start time as required to bring each area served up to design temperature just prior to scheduled occupancy; indicate stop controls are configured to reduce heating setpoint and increase cooling setpoint by at least 2°F prior to scheduled unoccupied periods	M04.01
YES	C403.4.2.4	Exhaust system off-hour controls	For exhaust systems serving conditioned spaces in all occupancies other than Group R, indicate method of control and that controls are configured to turn exhaust systems on and off in concert with the ventilation air systems providing their make-up air, or exception applied	M04.01
NA	C403.4.2.5	Transfer and destratification fan system off-hour controls	For transfer fan or mixing fan systems serving conditioned spaces in all occupancies other than Group R, indicate method of control and that controls are configured to turn fans on and off in concert with the associated HVAC systems, or exception applied	
NA	C403.4.7	Combustion heating equipment	For combustion heating equipment other than boilers or radiant heaters with output capacity > 225,000 Btu/h, indicate modulating or staged combustion control	
NA	C403.4.7.1	Combustion decorative vented appliance, combustion fireplace and fire pit controls	Indicate controls that are configured to limit operation of combustion appliance, fireplace and fire pit to ≤ 1 hour without override, or that occupancy sensor controls are provided	

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NA	C403.7.4.1	Temperature setpoint controls for Group R-1 guestrooms	For hotels / motels with over 50 guest rooms, indicate automatic controls for HVAC equipment serving guest rooms are configured to setback (heating) and set-up (cooling) temperature setpoint by at least 4°F when room is unoccupied, and adjust setpoint to 60°F (heating) and 80°F (cooling) when room is unrented / vacated; indicate control method – activated by room entry, occupancy sensor or networked guestroom control system	
NA	C403.7.4.2	Ventilation controls for Group R-1 guestrooms	Refer to Requirements List section Ventilation, Exhaust & Energy Recovery	
NA	C403.4.9 C403.4.10	Thermostatic controls for Group R2 / R3 dwelling units and Group R2 sleeping units	For primary space conditioning systems, indicate 5-2 programmable thermostats capable of two setback periods per day; indicate each non-primary system is provided with at minimum an adjustable thermostat, or exception applied. For all thermostats indicate purpose (heating only, cooling only, or both) and required temperature range; indicate thermostats are configured for at minimum a 5°F deadband	
YES	C403.4.11.1 C403.4.11.2 C403.4.11.3	DDC system applications, controls and display	Provide central and zone level DDC controls as required based on system application, capacity or size thresholds and other qualification per Table C403.4.11.1	M02.01/M04.01
YES			Identify all DDC system input / output control points in project documents	M02.01/M04.01
YES			Indicate control capability includes monitoring zone and system level demand for fan pressure, pump pressure, heating and cooling; indicate capability to transfer demand information from zones to air / hydronic distribution system controllers, and to central plant systems and equipment controllers.	M04.01
YES			Indicate system has the capability for trending and graphically displaying input / output points	M04.01
NA	C403.5.1	DX air handler variable cooling control(Located under Integrated Economizer Control)	For DX air handlers with cooling capacity ≥ 65,000 Btu/h, indicate number of cooling stages provided and method (multiple compressors and / or variable speed compressors); indicate minimum displacement (capacity reduction) as % of full load; indicate thermostats are configured with the same number of cooling stages and displacement	
NA			Indicate control method (cooling capacity controlled in response to space temperature, space temperature controlled by modulating supply airflow, or both)	
DUCTWORK, SHAFTS AND PLENUMS				

REVISED WSEC REQUIREMENT FORMS PER BUILDING DEPARTMENT COMMENTS.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

PRCTI20221802

MECHANICAL SPECIFICATIONS

NTS

00D-M0601-A00-DETL

A 12/22/17

Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

Bath&BodyWorks
Three Limited Parkway • Columbus, Ohio 43230
Telephone: 614.415.7000 • Fax: 614.415.7349

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PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98375

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 2315s.00
A/E PROJECT #: 20221012.0

104.01.0737.01

REVISIONS:

	REQUIRED BY:	DATE
1	REVI - PER REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

WSEC REQUIREMENTS

DRAWING NUMBER:
M06.02

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YES	C403.10.1.1 C403.10.2	Duct construction	Indicate on plans that all ductwork is constructed and sealed per IMC	M05.01
YES			For outdoor air ductwork, also indicate on plans that ductwork meets air leakage requirements per C402.5 and vapor retarder requirements per the IBC	M05.01
YES	C403.10.2.1 C403.10.2.2 C403.10.2.3	Duct pressure classifications	Identify location of low, medium and high pressure ductwork on plans	M02.01/M04.01
NA	C403.10.2.3	High pressure duct leakage test	Indicate high pressure duct leakage testing requirements on plans; provide test results to jurisdiction when completed	
YES	C403.10.1.1 C403.10.1.2	Duct insulation	For outdoor air ductwork located within conditioned space (upstream or downstream of shutoff damper), identify climate zone and indicate ductwork insulation R-value per Table C403.10.1.1 on plans; or exception applied	M05.01
NA			For supply and return air ductwork located within unconditioned space or outdoors, identify climate zone and indicate ductwork insulation R-value per Table C403.10.1.2 on plans; or exception applied	
NA			For supply air ductwork located within conditioned space, identify on plans if design supply air temperature is < 55°F or > 105°F; indicate ductwork insulation R-value per Table C403.10.1.2 on plans; or exception applied	
YES			For return and exhaust air ductwork located within conditioned space (upstream of the shutoff damper) and downstream of an energy recovery media, indicate ductwork insulation R-value per Table C403.10.1.2; or exception applied	M05.01
YES			For exhaust and relief air ductwork located within conditioned space and downstream of the shutoff damper, indicate ductwork insulation R-value per Table C403.10.1.2; or exception applied	M05.01
NA	C403.10.1.1 C402.1.3	Shaft and plenum insulation	For outdoor air shafts and plenums, indicate on plans that the R-value of insulation on these elements complies with Table C402.1.3 for steel-framed walls	
PIPING				
NA	C403.10.3	Piping insulation	Indicate design temperature range of fluid conveyed in piping and thickness of insulation (in inches) on hydronic piping plans; or exception applied	
NA	C403.10.3.1	Protection of piping insulation	Indicate method of protection of pipe insulation from damage / degredation on hydronic piping plans	

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ECONOMIZERS				
YES	C403.5	Air economizer required	Identify all cooling systems requiring air economizer controls in equipment schedules on plans and in WSEC mechanical equipment compliance reports	M01.01
YES			Indicate all systems utilizing air economizer exceptions in WSEC mechanical equipment compliance report, including those with water-side economizer in lieu of air economizer; indicate on plans and in WSEC mechanical equipment compliance reports all eligible exception(s) taken and measures to comply with exception(s)	M01.01
YES	C403.4.1 C403.5.1	Integrated economizer operation - air and water	Indicate air and water-side economizers are configured for partial cooling operation even where additional mechanical cooling is required to meet the load	M01.01/M04.01
YES			For DX air handlers with single or multiple stages of mechanical cooling; indicate controls are configured with air economizer as the first stage of cooling	M04.01
YES			Refer to Requirements List section HVAC Controls for additional requirements for DX air handlers	M04.01
YES	C403.5.2	Economizer heating system impact - air and water	Verify control method of HVAC systems with economizers does not increase building heating energy usage during normal operation	M04.01
YES	C403.5.3.1	Air economizer capacity	Indicate modulating outdoor air and return air dampers are configured to provide up to 100% outdoor air for cooling	M04.01
YES	C403.5.1 C403.5.3.2	Air economizer controls and integrated operation	Indicate that economizer controls are configured to provide partial economizer cooling when additional mechanical cooling is also required to meet the cooling load	M04.01
YES			Indicate that control of economizer dampers is not based only on mixed air temperature; or exception applied for systems with cooling capacity ≤ 65,000 Btu/h	M04.01
YES	C403.5.3.3	Air economizer high limit controls	Indicate high limit shut-off control method and required high limit per Table C403.5.3.3	M01.01
YES	C403.5.3.4	Relief of excess outdoor air	Refer to Requirements List section Ventilation, Exhaust & Energy Recovery	M04.01
YES			Indicate relief air outlets are sized and configured to relieve excess building air during air economizer operation to prevent building over-pressurization	M04.01
YES			Indicate relief air outlet are located to avoid recirculation into the building	M02.01

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NA	C403.5.4.1	Water economizer capacity	For eligible systems where water-side economizer may be provided in lieu of air economizer, indicate system is capable of 100% design cooling capacity at 50°F db / 45°F wb outdoor air temperatures; indicate if threshold for 100% design cooling capacity via economizer must be lowered to 45°F db / 40°F wb due to dehumidification requirements	
NA	C403.5.4.2	Water economizer maximum pressure drop	Indicate that the pressure drop across precooling coils and heat exchangers in water economizer systems do not exceed 15 feet (4572 mm)	
YES	C403.5.5	DX equipment economizer fault detection and diagnostics	For DX air handlers with economizer and cooling capacity ≥ 54,000 Btu/h, provide a fault detection and diagnostics (FDD) system to monitor economizer system operation and report faults	M01.01/M04.01
HYDRONIC SYSTEMS - EQUIPMENT SELECTION & PERFORMANCE				
NA	C403.3.2.1	Maximum air cooled chiller capacity	For chilled water plants and buildings with > 500 tons of cooling capacity, indicate air-cooled chiller capacity is ≤ 100 tons, or exception applied	
NA	C403.6.7	Large capacity cooling systems	For buildings ≥ 300 tons of cooling capacity, indicate method of multi-stage or variable capacity control (VSD, multiple staged compressors, or max capacity of any single unit	
NA	C403.3.2.2	Non-standard water-cooled centrifugal chillers	For water-cooled centrifugal chillers not designed for operation at standard conditions, provide calculations documenting maximum full load and part load rated equipment performance requirements	
NA	C403.3.3	Hot gas bypass limitation for chillers	For cooling equipment with hot gas bypass, provide either multiple step unloading or continuous capacity modulation; indicate bypass capacity per Table C403.3.3	
NA	C403.4.3 C403.3.4	Large capacity boiler systems	For hydronic systems with only a single boiler that has > 500,000 Btu/h input capacity, indicate multi-stage or modulating burner	
NA			For boiler system (single or multiple) with > 1,000,000 Btu/h input capacity, indicate turndown ratio per Table C403.3.4 and method (multiple single input boilers, modulating boilers, or combination)	
NA	C403.2.3	Variable flow capacity - pumps	For pump motors ≥ 7.5 hp, indicate method of variable flow control (VSD or equivalent method) in equipment schedule, or exception applied	
HYDRONIC SYSTEMS - CONTROLS				
NA	C403.4.3	Boiler sequencing	Indicate automatic controls that sequence operation of multiple boilers	

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NA	C403.4.3.2	Two-pipe changeover systems	Indicate changeover deadband is ≥ 15°F outdoor air temperature; indicate controls are configured so that heating / cooling modes are active for at minimum 4 hours before changeover and that the delta between heating / cooling supply temperatures at changeover point is	
NA	C403.4.1.5	Heating water temperature setback	For boilers that provide building heating via one- or two-pipe systems, indicate controls that provide heating water temperature setback based on outdoor temperature	
NA	C403.4.4	Hydronic system part load controls and supply-water temperature reset	For heating and chilled water systems with ≥ 300,000 Btu/h output capacity, indicate system controls are configured to automatically reset supply water temperature based upon demand; or exception applied	
NA			Indicate automatic pump flow controls are configured to reduce system flow rate by ≥ 50%, or the maximum allowed by the equipment manufacturer, based upon the heating or cooling loads; or decribe why not required	
NA			For hydronic systems with output capacity ≥ 300,000 Btu/h that serve heating water systems, chilled water systems and water-cooled unitary air conditioners, indicate that pumps are provided with a variable speed drive if one of the following conditions apply: 1) System pump motor hp is ≥ 2 hp and pumps are designed to operate continuously or per time schedule; 2) System pump motor hp is ≥ 7.5 hp and pumps are controlled by automatic DDC configured to only operate pumps when there is a call for zone heating or cooling	
NA			Where variable speed drives are required, indicate system is configured so that pump motor power is ≤ 30% of design wattage at 50% of design flow rate; indicate pump flow is controlled to maintain one control valve nearly wide open, or to maintain a minimum differential pressure; or exception applied	
NA	C403.4.6	Hydronic system variable pump flow control	For individual pumps required to have variable speed controls, indicate manner of pump speed control (differential pressure, static pressure setpoint, zone heating or cooling demand, or based on the relationship between variable speed controller frequency and power)	
NA	C403.4.5	Chiller / boiler plant pump isolation	Indicate controls are configured to automatically reduce overall plant flow and shut-off flow through individual chillers and boilers when not in use	

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NA	C403.4.3.3.1	Water loop heat pump - temperature deadband	Indicate method of water loop temperture control (central plant equipment controls are configured to provide ≥ 20°F water supply temperature deadband between heat rejection and heat addition modes, or controls are configured for system loop temperature optimization	
NA	C403.4.3.3.2	Water loop heat pump - heat rejection equipment	Indicate type of cooling tower (open- or closed-circuit) in equipment schedule; indicate whether the cooling tower is used directly in the heat pump loop or in conjunction with a separate heat exchanger; indicate method used to limit system heat loss when heat rejection is not needed	
NA	C403.4.3.3.3	Water loop heat pump - isolation valves	For hydronic heat pump systems with total system power > 10 hp, indicate 2-way isolation valves on each heat pump and variable flow system control	
HEAT REJECTION SYSTEMS - EQUIPMENT SELECTION & PERFORMANCE				
NA	C403.9.1.3	Centrifugal fan open-circuit cooling towers	For open-circuit centrifugal fan cooling towers with ≥ 1,100 gpm capacity, indicate cooling towers comply with efficiency requirements for axial fan open circuit cooling towers	
HEAT REJECTION & RECOVERY - CONTROLS				
NA	C403.9.1.1C 403.9.1.2	Fan speed control	For each fan powered by an individual motor or array of motors, with total connected fan power ≥ 5 hp (including motor service factor), indicate method of automatic fan speed control (adjusted based on leaving fluid temperature or condenser temperature / pressure of heat rejection device); verify fan selection provides ≤ 30% design wattage at 50% design airflow	
NA			For multiple-cell heat rejection equipment with VSD, indicate controls are configured to ramp all fans in unison (not staged on / off operation)	
NA	C403.9.1.4	Cooling tower flow turndown	For open-circuit cooling towers configured with multiple- or variable-speed condenser water pumps, indicate system is designed so all cells can be run in parallel; indicate method of condenser pump turn down control	
NA	C403.9.2.1	Heat recovery for service water heating	For buildings with 24-hour operation and > 1,500,000 Btu/h of heat rejection capacity and design service hot water load > 250,000 Btu/h, indicate condenser heat recovery to pre-heat service water; or exception applied. Provide calculations showing the amount of recovered heat that is utilized (60% of peak heat rejection load or pre-heat service water to 85°F).	

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NA	C403.9.2.2	Steam condensate systems heat recovery	For buildings with on-site steam heating systems, indicate condensate water heat recovery and use of recovered heat	
NA			For buildings that use off-site generated steam where condensate is not returned to the source, indicate on-site condensate water heat recovery	
NA	C403.9.2.3	Refrigeration condenser heat recovery	For buildings with food service, meat or deli departments that have ≥ 500,000 Btu/h of remote refrigeration capacity for coolers / freezers, indicate condenser heat recovery and use of captured energy (service water heating, space heating, or dehumidification reheating)	
NA			For buildings with ≥ 40,000 sf conditioned floor area and ≥ 1,000,000 Btu/h of remote refrigeration capacity, indicate condenser heat recovery to pre-heat service water; indicate remaining recovered heat is applied to space heating or dehumidification reheating	
NA	C403.9.2.4	Heat recovery for space heating	For buildings that operate > 70 hour per week, that are not served by a DOAS with energy recovery, and have > 1,500,000 Btu/h of heat rejection capacity and ≥ 0.45 cfm per sf of design minimum supply airflow with reheat, indicate condenser heat recovery is provided for space heating that complies with Sections C403.9.2.4.1 or C403.9.2.4.2 or C403.9.2.4.4	
NA	C403.9.2.4.1 C403.9.2.4.4	Water to water heat recovery	Indicate that 90% or more of the total building space heating and ventilation air design loads are served by heat energy rejected from either a heat recovery chiller or the cooling loop of water to water heat pump equipment	
NA	C403.9.2.4.2	Exhaust heat recovery	Indicate that waste heat is recovered from least 90% of the total building exhaust airflow such that leaving exhaust air temperature while in heat recovery mode is 55 deg F dry bulb; note exhaust air systems eligible for exception to this requirement	
NA	C403.9.2.4.3	Process heat recovery	In spaces with 5 watts per sf year-round cooling loads from lights and equipment, indicate these spaces are served by water-cooled equipment configured for heat recovery	
NA			If these spaces are served by economizer (air or water), indicate automatic controls are configured to disable economizer operation while system is in heat recovery mode	
MULTIPLE ZONE AIR SYSTEMS				

Mechanical Requirements List, pg 19 of 25

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NA	C403.6.1	Air systems serving multiple zones	Identify supply air systems serving multiple zones and the zones they serve on plans; indicate whether system is VAV and method of primary air control; or provide supporting documentation for applied exception to VAV	
NA	C403.6.1	VAV air terminal primary supply airflow	Provide equipment schedules on plans that list all VAV air terminals and types (fan-powered series and parallel air terminals, single duct and dual duct air terminals, etc)	
NA			For each air terminal include: maximum primary supply airflow rates during zone peak heating and zone peak cooling; maximum terminal airflow during reheating, recooling or mixing; minimum ventilation airflow rate, and the basis for these values; if IMC or ASHRAE 62.1 multiple zone equation is the basis for minimum flow rates, provide this calculation on plans	
NA	C403.6.2	Single duct VAV terminal units	Indicate single duct terminal units are configured to reduce primary supply air before reheating or recooling	
NA	C403.6.3	Dual duct systems - terminal units	For systems with separate warm air and cool air ducts, indicate terminal units are configured to reduce the flow from one duct to minimum before mixing with air from the other duct	
NA	C403.6.8C403.6.9	VAV system static - pressure sensors and DDC set points	Indicate locations of duct static pressure sensors on plans; include at least one sensor per major duct branch; verify controller setpoint pressure at each sensor is ≤ 1.2 inch w.g.	
NA			For systems with zone level DDC, indicate controls are configured to monitor zone damper positions and reset static pressure setpoint based on the zone requiring most pressure; include control logic that automatically detects and generates an alarm if any zone excessively drives reset logic, and allows building operators to exclude zones from reset logic	
NA	C403.6.4	VAV system supply air reset	Indicate controls automatically reset supply air temperature in response to building loads or outdoor air temperature; or exception applied	
NA	C403.6.5	Multiple-zone VAV system ventilation optimization controls	For systems with zone level DDC controls, indicate controls are configured to automatically reduce outdoor airflow in response to changes in system ventilation efficiency; or exception applied	

Mechanical Requirements List, pg 20 of 25

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NA	C403.6.6	Parallel fan powered VAV air terminals	Indicate controls automatically activate or shut off the air terminal fan based on call for heating and / or ventilation; indicate controls are configured to activate the terminal fan as the first stage of heating prior to activating the heating coil; indicate control method of primary air during warmup or temperature setback mode	
HIGH EFFICIENCY MULTIPLE-ZONE VAV SYSTEMS - EXCEPTION TO C403.3.5 DOAS, MUST COMPLY WITH ALL 15 PROVISIONS TO BE ELIGIBLE				
NA	C403.6.10,Item 1	Minimum area served and zoning	Indicate that each high efficiency multiple-zone VAV systems serves an area ≥ 3,000 sf and includes ≥ 5 zones	
NA	C403.6.10, Item 2	Air economizer	Indicate system is configured for 100% air economizer operation and complies with all related economizer requirements per C403.5 (without economizer exceptions)	
NA	C403.6.10, Item 3	Direct digital controls (DDC)	Provide DDC controls for all components of system per C403.4.11 (regardless of system size); identify all DDC system input / output control points; indicate capability for trending and graphical display	
NA	C403.6.10, Items 4 and 5	Supply and outdoor airflow measurement and control	For systems with minimum required outdoor air > 2,500 cfm, provide an airflow monitoring station that is configured to measure outdoor air intake under all load conditions; indicate control sequence that increases or reduces outdoor air cfm based on VAV terminal feedback of ventilation efficiency (per C403.6.5 without exceptions) or and DCV (per C403.7.1)	
NA			Provide a suppy airflow monitoring station that is configured to measure supply air delivered to VAV terminals under all load conditions	
NA	C403.6.10,Item 6	Zone isolation and maximum area served	Verify maximum area served by a single VAV system is ≤ 50,000 sf, or one entire floor, whichever is greater; in addition if a system serves > 25,000 sf, that includes areas that are expected to be occupied non-simultaneously, indicate zone isolation controls per C403.2.1	
NA	C403.6.10, Item 7	Interior / exterior zone design supply air temperature	Verify that VAV terminals serving interior cooling driven loads are sized per a design supply air temperature that is 5°F higher than VAV terminals serving exterior zones while in cooling mode	
NA	C403.6.10, Item 8	Maximum air terminal inlet velocity and fan power	Identify all air terminals with minimum primary airflow setpoints > 50% of maximum setpoint in mechanical equipment schedule for these air terminals indicate inlet velocity does not exceed 900 fpm	

REVISED WSEC REQUIREMENT FORMS PER BUILDING DEPARTMENT COMMENTS.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

PRCTI20221802

Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

Bath&BodyWorks
Three Limited Parkway • Columbus, Ohio 43230
Telephone: 614.415.7000 • Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98375

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082

SIS PKG 2
2315a.00
20221012.0

PACKAGE:
GENERATION:
A/E PROJECT #:

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 - PCR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

WSEC REQUIREMENTS

DRAWING NUMBER:
M06.03

MECHANICAL SPECIFICATIONS

NTS
00D-M0601-A00-DETL
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12/22/17

Mechanical Requirements List, pg 21 of 25

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NA	C403.6.10,Item 8	Maximum allowable system brake horsepower	For each multiple-zone VAV system, provide calculations that verify total fan system bhp is ≤ 90% of the total allowable fan system bhp per Option 2 equation in Table C403.8.1.1			
NA	C403.6.10,Item 9	Fan-powered terminal unit motor and control	Indicate all series and parallel fan-powered terminals have electronically commutated motors (ECM); indicate DDC control system is configured to vary air terminal fan speed as a function of the load; indicate fan speed during periods of low heating, low cooling, or ventilation-only mode is ≤ 66% of peak design air flow, or provide supporting documentation for applied exception			
NA	C403.6.10, Item 10	Application of single duct and fan-powered terminal units	Indicate VAV terminal types on plans; verify fan-powered terminal units only serve perimeter zones with envelope loads and interior zones with high occupant density and DCV per C403.7.1; verify all other zones are served by single duct terminal units			
NA	C403.6.10, Item 11	Fan-powered terminal unit primary air reset	Indicate DDC controls are configured to automatically reset the primary supply air cfm setpoint of all fan-powered terminal units to the minimum required to maintain ventilation during occupied heating or deadband mode, based upon the VAV air handling unit minimum ventilation air fraction			
NA	C403.6.10,Item 12	Controls for high occupant density spaces	For zones > 150 sf with high occupant density (≥ 25 people / 1000 sf), indicate zone is served by a dedicated terminal unit with DCV control that resets terminal unit ventilation setpoint based on measured CO2; also indicate occupancy sensor control that automatically reduces minimum ventilation to zero and sets back room heating and cooling setpoints by ≥ 5°F when space in unoccupied			
NA	C403.6.10, Item 13	Dedicated cooling systems serving data centers and server, electronic equipment and telecom spaces	For data centers and server, electronic equipment, telecom or similar spaces with design cooling loads > 5 W/sf, indicate spaces are served by dedicated cooling systems that are independent of the HPVAV systems serving the rest of building			
NA			Indicate dedicated cooling systems are configured for 100% air economizer operation and comply with all related economizer requirements per C403.5 (without economizer exceptions), or heat recovery per C403.5, Exception 9			
NA	C403.6.10, Item 14	Central plant efficiency	Indicate whether systems are served by a high efficiency heating water plant, or a high efficiency chilled water plant			

Mechanical Requirements List, pg 22 of 25

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NA			If complying via high efficiency heating water plant: Indicate all VAV terminals have hydronic heating coils served by a heating water system with either gas-fired boiler(s) with thermal efficiency (Et) ≥ 92%, air-to-water heat pumps, or heat recovery chillers; indicate hydronic heating coils are sized per a maximum 120°F entering water temperature during peak demand			
NA			If complying via high efficiency chilled water plant: Indicate all VAV air handlers have cooling coils served by chillers with rated IPLV efficiency that exceeds WSEC listed IPLV by at least 25% per Table C403.3.2(7) (note water-cooled IPLV is max, all others are min); indicate smallest chiller or compressor in plant is ≤ 20% of the total plant capacity, or provide thermal storage sized for ≥ 20% of total plant capacity			
NA	C403.6.10, Item 15	Fault detection and diagnostics	Indicate DDC system includes automatic fault detection and diagnostics (FDD) configured to monitor operation and provide fault reporting of all required parameters for all VAV air handlers and VAV air terminal units in the HPVAV system			
HIGH EFFICIENCY SINGLE-ZONE VAV SYSTEMS - EXCEPTION TO C403.3.5 DOAS, MUST COMPLY WITH ALL 8 PROVISIONS TO BE ELIGIBLE						
NA	C403.12, Item 1	Air economizer	Indicate system is configured for 100% air economizer operation and complies with all related economizer requirements per C403.5 (without economizer exceptions)			
NA	C403.12, Item 2	Direct digital controls (DDC)	Provide DDC controls for all components of system per C403.4.11 (regardless of system size); identify all DDC system input / output control points; indicate capability for trending and graphical display			
NA	C403.12,Item 3	Outdoor airflow measurement and control	For systems with minimum required outdoor air ≥ 1,000 cfm, provide an airflow monitoring station that is configured to measure outdoor air intake under all load conditions; indicate controls that adjust outdoor air cfm via DCV per C403.7.1			
NA	C403.12,Item 4	Maximum allowable system brake horsepower	For each single-zone VAV system, provide calculations that verify total fan system bhp is ≤ 90% of the total allowable fan system bhp per Option 2 equation in Table C403.8.1.1			
NA	C403.12, Item 5	Supply airflow control	Provide controls that adjust supply airflow based on the heating and cooling loads; indicate control sequence that limits minimum fan speed to 30% of peak design airflow or required ventilation during unoccupied mode, whichever is less			

Mechanical Requirements List, pg 23 of 25

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NA	C403.12,Item 6	Controls for high occupant density spaces	For zones > 150 sf with high occupant density (≥ 25 people / 1000 sf), indicate DCV control that resets ventilation setpoint based on measured CO2; also indicate occupancy sensor control that automatically reduces minimum ventilation to zero and sets back room heating and cooling setpoints by ≥ 5°F when space in unoccupied			
NA	C403.12, Item 7	High efficiency system option	Indicate which system performance option is applied - high efficiency DX cooling and heat pump or high efficiency gas heating; or heating coils served by a high efficiency heating water plant; or cooling coils served by high efficiency chilled water plant			
NA			If complying via high efficiency DX; Indicate full load and part load rated cooling efficiency exceeds WSEC listed efficiency by at least 15%; if heating is supplied by a gas-fired furnace, indicate thermal efficiency (Et) is ≥ 90%; if system is a heat pump, indicate heating efficiency (HSPF or COP) exceeds WSEC listed efficiency by at least 10%; control of cooling and heating coil output shall be configured with a minimum of 2 stages or modulating			
NA			If complying via high efficiency heating water plant: Indicate hydronic heating coils are served by a heating water system with either gas-fired boiler(s) with thermal efficiency (Et) ≥ 92%, air-to-water heat pumps, or heat recovery chillers; indicate hydronic heating coils are sized per a maximum 120°F entering water temperature during peak demand			
NA			If complying via high efficiency chilled water plant: Indicate cooling coils are served by chillers with rated IPLV efficiency that exceeds WSEC listed IPLV by at least 25% per Table C403.3.2(7) (note water-cooled IPLV is max, all others are min); indicate smallest chiller or compressor in plant is ≤ 20% of the total plant capacity, or provide thermal storage sized for ≥ 20% of total plant capacity			
NA	C403.12, Item 8	Fault detection and diagnostics	Indicate DDC system includes automatic fault detection and diagnostics (FDD) configured to monitor operation and provide fault reporting of all required parameters for all HPVAV single-zone air systems			
EXTERIOR HEATING SYSTEMS						
NA	C403.11.1	Heating outside a building	Indicate systems providing heating in non-enclosed outdoor occupied spaces are radiant systems			

Mechanical Requirements List, pg 24 of 25

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NA			Indicate occupancy sensing or timer switch controls configured to automatically shut off heating system when area served is unoccupied			
NA	C403.11.2	Snow melt systems	Indicate automatic controls configured to shut off system when pavement temperature exceeds 50°F and no precipitation is falling, and when outdoor air temperature exceeds 40°F			
NA	C403.11.3	Freeze protection system controls	Indicate automatic controls to shut off system when outdoor temperature exceeds 40°F, or conditions protect fluid from freezing			
HVAC EQUIPMENT ENERGY USE METERING						
NA	C409.3.1	HVAC equipment energy use metering	For new buildings > 50,000 sf and building additions > 25,000 sf, verify energy use metering of all equipment used to provide space heating and cooling, dehumidification and ventilation will be provided per C409; indicate equipment eligible for exception			
DOCUMENTATION AND SYSTEM SPECIFIC REQUIREMENT TO SUPPORT COMMISSIONING (CX)						
NA	C408.1	Scope of mechanical systems commissioning	For buildings with ≥ 240,000 Btu/h total output cooling capacity or ≥ 300,000 Btu/h total output heating capacity, indicate that all mechanical systems regardless of individual capacity are required to be commissioned; or provide building heating / cooling capacity calculation demonstrating eligibility for exception			
NA			Indicate that all systems, equipment and controls for which the WSEC requires control functions and / or configuration to perform specific functions are included in the Cx scope			
NA	C408.1.1 C408.1.4.1	Commissioning requirements in construction documents	Indicate in plans and specifications that Cx per C408 is required for all applicable mechanical systems			
NA			Include general summary that includes at minimum: narrative description of activites, responsibilities of the Cx team, schedule of activities including verification of project close out documentation per C103.6, and conflict of interest plan (if required)			
NA			Include in general summary that a Cx project report or Compliance Checklist (Figure C408.1.4.1) shall be completed by the Certified Cx Professional and provided to the owner prior to the final mechanical inspection.			

Mechanical Requirements List, pg 25 of 25

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NA	C408.1.2.2	Functional performance testing criteria	Identify in plans and specifications the intended operation of all equipment and controls during all modes of operation, including interfacing between new and existing-to-remain systems			
NA	C408.2.2	Air system and hydronic system balancing	Indicate in plans that air and fluid flow rates shall be tested and balanced within the tolerances defined in the specifications; indicate systems shall be balanced in a manner to first minimize throttling losses, then adjusted to meet design flow conditions			
NA	C408.2.2.1	Air system balancing devices	Indicate devices that provide the capability to balance all supply air outlets, zone terminals and air handling equipment requiring system balancing			
NA	C408.2.2.2	Hydronic system balancing devices	Indicate devices that provide the capability to isolate, balance and measure flow across all hydronic equipment requiring system balancing including heating and cooling coils and pumps; or exception applied			
PROJECT CLOSE OUT DOCUMENTATION						
YES	C103.6	Documentation and project close out submittal requirements	Indicate in plans that project close out documentation and training of building operations personnel is required for all mechanical components, equipment and systems governed by this code; indicate close out documentation shall include: record documents, O&M manuals, applicable WSEC mechanical equipment compliance reports and calculations	M01.01		

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

1
REVISED WSEC REQUIREMENT FORMS PER BUILDING DEPARTMENT COMMENTS.

PRCTI20221802

MECHANICAL SPECIFICATIONS

NTS
00D-M0601-A00-DETL
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12/22/17

Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

Bath&BodyWorks
Three Limited Parkway • Columbus, Ohio 43230
Telephone: 614.415.7000 • Fax: 614.415.7349

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104.01.0737.01

PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98375

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 2315s.00
A/E PROJECT #: 202210120

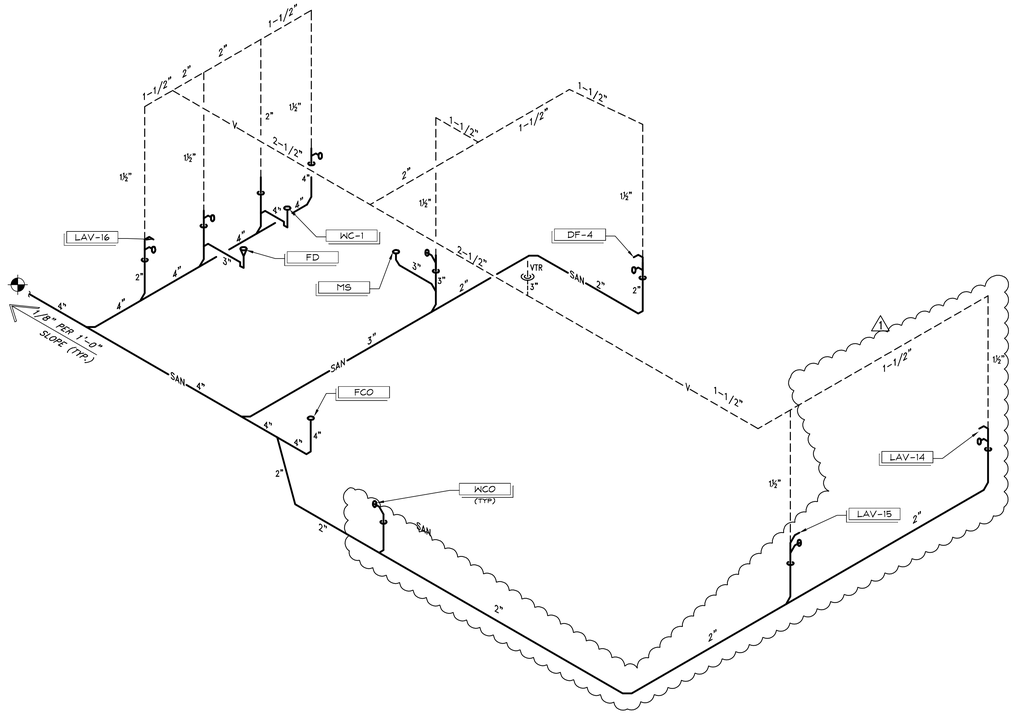
REVISIONS:

	REQUIRED BY:	DATE
1	REVI - PDR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

WSEC REQUIREMENTS

DRAWING NUMBER:
M06.04



NOTE:
CONNECTIONS TO HORIZONTAL DRAIN LINES SHOULD BE MADE WITH WYE (Y) FITTINGS. DO NOT USE DOUBLE-WYE (Y) FITTINGS

WASTE & VENT PIPING DIAGRAM

NTS
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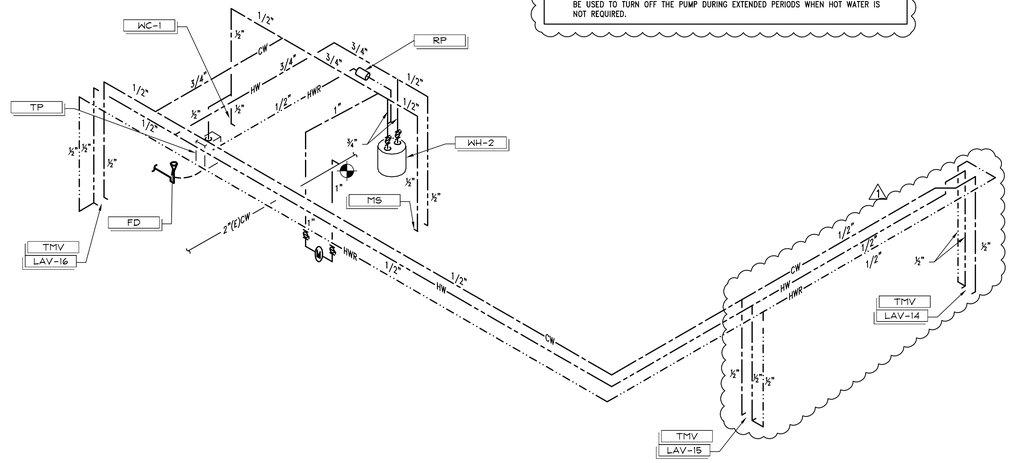
04/10/15

1 EXTENDED HOT WATER RECIRCULATION LINE TO ALL SINKS PER BUILDING DEPARTMENT COMMENTS.

1 BUILDING DEPARTMENT COMMENTS: (PER 2018 WSEC REQUIREMENTS BELOW)

- HEATED-WATER CIRCULATION SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION C404.7.1. CONTROLS FOR HOT WATER STORAGE SHALL BE IN ACCORDANCE WITH SECTION C404.7.5. AUTOMATIC CONTROLS, TEMPERATURE SENSORS AND PUMPS SHALL BE IN A LOCATION WITH ACCESS. MANUAL CONTROLS SHALL BE IN A LOCATION WITH READY ACCESS.
- HEATED-WATER CIRCULATION SYSTEMS SHALL BE PROVIDED WITH A CIRCULATION PUMP. THE SYSTEM RETURN PIPE SHALL BE A DEDICATED RETURN PIPE. GRAVITY AND THERMO-SYPHON CIRCULATION SYSTEMS SHALL BE PROHIBITED. CONTROLS SHALL START THE PUMP BASED ON THE IDENTIFICATION OF A DEMAND FOR HOT WATER WITHIN THE OCCUPANCY.
- WHERE THE CIRCULATION SYSTEM SERVES ONLY A SINGLE DOMESTIC HOT WATER RISER OR ZONE, THE FOLLOWING CONTROLS SHALL BE PROVIDED:
  1. CONTROL TO AUTOMATICALLY TURN OFF THE PUMP WHEN THE WATER IN THE CIRCULATION LOOP IS AT THE SUPPLY TEMPERATURE AND SHALL NOT TURN THE PUMP BACK ON UNTIL THE TEMPERATURE IS A MINIMUM OF 10°F LOWER THAN THE SUPPLY TEMPERATURE OR HAVE CONTROLS EQUIPPED WITH AUTOMATIC TIME SWITCHES OR OTHER CONTROLS THAT CAN BE SET TO SWITCH OFF THE PUMP DURING UNOCCUPIED HOURS WHEN HOT WATER IS NOT REQUIRED.
  2. CONTROL SHALL BE EQUIPPED WITH MANUAL SWITCH OR OTHER CONTROLS THAT CAN BE USED TO TURN OFF THE PUMP DURING EXTENDED PERIODS WHEN HOT WATER IS NOT REQUIRED.



NOTE(S):
PROVIDE AN APPROVED BACKFLOW PREVENTER FOR MAIN DOMESTIC WATER LINE, IN ACCORDANCE WITH LOCAL CODE AND LANDLORD REQUIREMENTS.
FOR WATER HAMMER ARRESTER (WHA) REQUIREMENTS REFER TO PLUMBING SCHEDULE AND SEE DETAIL R/P03.01.

DOMESTIC WATER PIPING DIAGRAM

PRCTI20221802

NTS
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11/11/11

ITEM	FURNISHED BY			INSTALLED BY			RE-USE EXISTING	N/A	REMARKS
	BBWI	LANDLORD	CONT'R.	LANDLORD	CONT'R.	OTHER			
PLUMBING FIXTURES & TRIM			GC		GC				UNLESS OTHERWISE NOTED
DRINKING FOUNTAIN & ASSOCIATED ACCESSORIES	BBWI								
SEWER AND VENT PIPING			GC		GC				
TANK WATER HEATER			GC		GC				
DOMESTIC HOT AND COLD WATER PIPING			GC		GC				
CONDENSATE DRAIN PIPING			GC		GC				
SECOND CONDENSATE DRAIN PIPING			GC		GC				
CONDENSATE DRAIN PUMP								●	
HOT WATER CIRCULATION PUMP			GC		GC				
GAS PIPING								●	
FLOOR DRAINS, CLEANOUTS, WATER HAMMER ARRESTORS, ETC.			GC		GC				
INSTANTANEOUS WATER HEATER								●	
DEMO SINK LAV AND FAUCET	BBWI				GC				
ELEVATED RESTROOM SINK AND FAUCET								●	
NON-PUBLIC RESTROOM SINK AND FAUCET			GC		GC		1		
DRAIN PUMP			GC		GC				PROVIDE DP AND SV IN LIEU OF GRAVITY DRAIN UNDER ALTERNATE BID
SPRINKLER PIPING			FPC		FPC				
SPRINKLER HEADS			FPC		FPC				
FIRE EXTINGUISHERS			FPC		FPC				
AS-BUILTS DRAWINGS			GC						

ANY ITEM NOT SHOWN IS THE RESPONSIBILITY OF THE CONTRACTOR.

PLUMBING & FIRE PROTECTION RESPONSIBILITY SCHEDULE

NTS
42N-P0101-H00-SCHD

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02/08/16

ITEM	FIXTURE	ROUGH-IN SERVICES CW	HW	W	V	IW	GAS	DESCRIPTION	REMARKS
WC-1	WATER CLOSET TANK TYPE	½"	–	4"	2"	–	–	KOHLER "HIGHLINE PRESSURE LITE" MODEL NO. K-3519, 1.0 GPF, PRESSURE ASSISTED WHITE WATER CLOSET WITH ELONGATED VITREOUS CHINA BOWL, (OR ZURN MODEL Z5561, 1.0 GPF WITH HIGH PERFORMANCE ECOFLUSH TECHNOLOGY), 17⅞" HIGH, WHITE OPEN FRONT SEAT AND COVER #K-4650. FURNISH WITH BOLT CAPS AND CHROME SUPPLY STOP. (FOR PUBLIC AND NON-PUBLIC RESTROOMS). FLUSH LEVER SHALL BE LOCATED ON THE WIDE SIDE OF THE TOILET.	ACCESSIBLE TYPE
LAV-6A (SENSORED FAUCET)	BBW ELEVATED RESTROOM	½"	½"	–	2"	1½"	–	JUARAVIT WALL-MOUNTED LAVATORY MODEL NO. #045460-00721, WHITE, FURNISH WITH CHROME SUPPLY STOPS, P-TRAP, CHROME PLATED GRID DRAIN, SINK-MOUNTED, MAC SENSOR FAUCET, MODEL NO. FA444-NU-65, CHROME AND 0.5 GPM AERATOR, INSULATE, P-TRAP, AND SUPPLY LINES WITH WHITE INSULATION ½" PLUMBERFX "HANDY-SHIELD MAX" PIPING INSULATION OR EQUIVALENT.	ACCESSIBLE TYPE
LAV-6A (SENSORED FAUCET)	WB RESTROOM SINK	½"	½"	–	2"	1½"	–	JUARAVIT WALL-MOUNTED LAVATORY MODEL NO. #045460-0588, WHITE, FURNISH WITH CHROME SUPPLY STOPS, P-TRAP, GOLD PLATED GRID DRAIN AND TRIM PINO 1565326-BGD, MAC SENSOR #FA444-NU-65-CP WITH 8" GOLD PLATE A-15800-AB, ANTIQUE BRASS AND 0.5 GPM AERATOR, MIXING VALVE 1704-LF AND DRAIN 7124-4-GOL, INSULATE, P-TRAP, AND SUPPLY LINES WITH BEACH INSULATION ½" PLUMBERFX "HANDY-SHIELD MAX" PIPING INSULATION OR EQUIVALENT.	ACCESSIBLE TYPE
LAV-9A (SENSORED FAUCET)	BBW 36" DEMO TABLE	½"	½"	–	2"	1½"	–	KOHLER VOX BOWL ABOVE-COUNTER LAVATORY, MODEL NO. K-14808 IN WHITE. FURNISH WITH CHROME SUPPLY STOP AND P-TRAP. KOHLER #K-8018-CP, CHROME PLATED GRID DRAIN, MAC #4400-1/DL, POLISHED CHROME. INSULATE P-TRAP AND SUPPLY LINES WITH WHITE INSULATION ½" PLUMBERFX "HANDY-SHIELD MAX" PIPING INSULATION OR EQUIVALENT.	ACCESSIBLE TYPE
LAV-14 (SENSORED FAUCET)	BBW / WB WALL MOUNTED SHALLOW DEMO SINK 1	½"	½"	2"	1½"	–	–	KOHLER "CARILLON" BASIN MODEL NO. #K-7799, WHITE, FURNISH WITH CHROME SUPPLY STOPS AND P-TRAP, KOHLER OVERFLOW DRAIN K-7129-CP (POLISHED CHROME), WALL MOUNTED KOHLER "OBLO" TOUCHLESS MODEL #K-124816-SANA-CP (POLISHED CHROME), AA BATTERY POWERED, 0.5 GPM AERATOR, INSULATE P-TRAP AND SUPPLY LINES WITH WHITE INSULATION ½" PLUMBERFX "HANDY SHIELD MAX" PIPING INSULATION OR EQUIVALENT.	ACCESSIBLE TYPE
LAV-15 (SENSORED FAUCET)	BBW / WB COUNTER MOUNTED DEMO SINK	½"	½"	2"	1½"	–	–	KOHLER "CARILLON" BASIN MODEL NO. #K-7799, WHITE, FURNISH WITH CHROME SUPPLY STOPS AND P-TRAP, KOHLER OVERFLOW DRAIN K-7129-CP (POLISHED CHROME), COUNTER MOUNTED KOHLER "OBLO" TOUCHLESS MODEL #K-104877-SANA-CP (POLISHED CHROME), AA BATTERY POWERED, 0.5 GPM AERATOR, INSULATE P-TRAP AND SUPPLY LINES WITH WHITE INSULATION ½" PLUMBERFX "HANDY SHIELD MAX" PIPING INSULATION OR EQUIVALENT.	ACCESSIBLE TYPE
LAV-16 (SENSORED FAUCET)	STANDARD RESTROOM SINK	½"	½"	2"	1½"	–	–	KOHLER "CHESAPEAKE" 19 1/4"x17 1/4" LAVATORY, MODEL NO. K-1722 (OR AMERICAN STANDARD "COMPANION" WALL-MOUNT SINK, MODEL NO. 0124.131). FURNISH WITH CONCEALED ARM WALL HANGER, CHROME SUPPLY STOPS AND P-TRAP, KOHLER SCULPTED INSIGHT TOUCHLESS FAUCET MODEL NO. K-13461 WITH 0.5 GPM AERATOR. INSULATE P-TRP AND SUPPLY LINES WITH 1/2" ARMSTRONG "ARMAFLEX" PIPING OR EQUIVALENT. SINK-MOUNTED. (FOR NON-PUBLIC RESTROOMS).	ACCESSIBLE TYPE
WH-1	WATER HEATER INSTANTANEOUS	½"	½"	–	–	–	–	CHRONOMITE INSTANT-FLOW #C-40L, 0.5 GPM @ 63° RISE, 4900 WATTS, 30 AMP BREAKER, 208V-1Φ-60. (CA SPEC)	INSTALL BELOW SINK
WH-1	WATER HEATER INSTANTANEOUS	½"	½"	–	–	–	–	CHRONOMITE INSTANT-FLOW #C-40L, 0.5 GPM @ 63° RISE, 4900 WATTS, 30 AMP BREAKER, 208V-1Φ-60. (CA SPEC)	
WH-2	WATER HEATER TANK TYPE	¾"	¾"	–	–	¾"	–	RHEEM WATER HEATER MODEL NO. EGSP-10, 10 GALLON WITH FACTORY EQUIPPED HEAT TRAPS INSIDE NIPPLES, 208V-1Φ-60, 3 KW AND 14.4 AMPS.	
TP	TRAP PRIMER	½"	–	–	–	–	–	PRECISION PLUMBING PRODUCTS TRAP PRIMER, MODEL NO. P-2, COPPER BODY, ADJUSTABLE WITH ¾" COPPER TYPE "L" TO FLOOR DRAIN.	
FD	FLOOR DRAIN	–	–	2"	1½"	–	–	ZURN FLOOR DRAIN MODEL NO. Z-415-6B, CAST IRON BODY, COMBINATION INVERTIBLE CLAMP AND ADJUSTABLE COLLAR, 2" BOTTOM OUTLET WITH 6" ROUND NICKEL BRONZE STRAINER.	WITH DEEP SEAL P-TRAP
WHA	WATER HAMMER ARRESTER	–	–	–	–	–	–	SIOUX CHIEF 650 SERIES WATER HAMMER ARRESTER OR EQUAL. *SIZE & INSTALL PER PDI #WH-201 STANDARD OR MANUFACTURER'S INSTRUCTION.	*
WCO	WALL CLEANOUT	–	–	–	–	–	–	ZURN ZN-1446-BP CLEANOUT TEE, DURA-COATED CAST IRON BODY, GAS AND WATER TIGHT BRONZE PLUG AND STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.	
FCO	FLOOR CLEANOUT	–	–	–	–	–	–	ZURN FLOOR CLEANOUT MODEL NO. ZN-1400 WITH GAS-TIGHT AND WATER-TIGHT TAPERED THREADED PLUG AND ROUND POLISHED NICKEL BRONZE SCORIATED ADJUSTABLE TOP.	
CO	CLEANOUT	–	–	–	–	–	–	ZURN CLEANOUT FERRULE WITH PLUG #Z1440 WITH DURA-COATED CAST IRON BODY, WITH GAS-TIGHT AND WATER-TIGHT ABS TAPERED THREADED PLUG.	
SK-1	BREAK SINK	½"	½"	2"	1½"	–	–	DAYTON D12743 SINGLE BOWL SINK (15" x 17" x 9½" BOWL) WITH ELKAY MODEL NO. LKD232S DUAL HANDLE GOOSENECK FAUCET	ACCESSIBLE TYPE
DF-2	"ELEVATED" DRINKING FOUNTAIN (CHILLED)	½"	–	–	2"	1½"	–	HALSEY TAYLOR #OVL-HI SERP BI-LEVEL BARRIER FREE WATER COOLER, PROVIDE CHROME SUPPLY STOP AND P-TRAP. FURNISH WITH #SJ8-Q REMOTE CHILLER. SEE MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION PER ACCESSIBILITY REQUIREMENTS.	ACCESSIBLE TYPE
DF-3	DRINKING FOUNTAIN	½"	–	–	–	–	–	OASIS ATLANTIS #PDOU12HS "HOT 'N COLD" WATER COOLER. PROVIDE CHROME SUPPLY STOP. SEE MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION.	
DF-4	DRINKING FOUNTAIN	½"	–	2"	1½"	–	–	ELKAY VERSATILE COOLER WALL MOUNT BI-LEVEL ADA NON-FILTERED, REFRIGERATED, LIGHT GRAY GRANITE, MODEL EZSTL8C. FURNISH WITH PLUG-IN, 3-WIRE GROUNDING TYPE SERVICE CORD. PROVIDE CHROME SUPPLY STOP AND P-TRAP. SEE MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION PER ACCESSIBILITY REQUIREMENTS.	ACCESSIBLE TYPE
UR	URINAL WALL MOUNTED	¾"	–	2"	1¼"	–	–	KOHLER "BARDON SUPERIOR" URINAL MODEL NO. K-4969-ET FLUSHER WITH KOHLER K-13484 0.5 GPF FLUSH VALVE. (OR ZURN #Z5768, 0.125 GPF, WHITE VITREOUS CHINA, WITH ZEMS03EV FLUSHOMETER VALVE)	0.5 GPF MAX ACCESSIBLE TYPE
MS	MOP SINK	½"	½"	3"	1½"	–	–	FIAT MOP MOLDED STONE SERVICE BASIN MODEL NO. MSB-2424 WITH VINYL BUMPERGUARD. FURNISH WITH AMERICAN STANDARD FAUCET MODEL NO. 8354.112 WITH INTEGRAL VACUUM BREAKER AND STOPS. PROVIDE 42" RUBBER HOSE WITH FAUCET.	
DP	DRAIN-PUMP BASIN	–	–	VN.T 1½" DISC 1½"	–	–	–	ZOELLER #131, FLOOR MOUNTED 5 GAL. POLYETHYLENE BASIN WITH GASKETED POLYETHYLENE LID. ZOELLER #98, 115V-1Φ, 1/2 HP, 1725 RPM, 23 FT. HD. U.L. LISTED. PUMP PASSES 1/2" SPHERICAL SOLIDS. ELECTRICAL CONNECTION TO BE MADE WITH 15 FT. U.L. LISTED 3 WIRE CORD AND PLUG. BASIN AND PUMP TO BE TEMPERATURE RATED TO 150° F. UNIT IS FURNISHED WITH CHECK VALVE, MODEL #15-0032-115V-15FT NORMALLY OPEN (N.O.) SINGLE PIGGYBACK FLOAT SWITCH, MODEL #15-0064-115V-15FT NORMALLY CLOSED (N.C.) SINGLE PIGGYBACK FLOAT SWITCH.	PROVIDE DP AND SV IN LIEU OF GRAVITY DRAIN UNDER ALTERNATE BID. COORDINATE POWER WITH ELECTRICAL.
SV	SOLENOID VALVE	–	–	–	–	–	–	GENERAL CONTRACTOR SHALL PROVIDE 115V-2"NPT (TWO WAY) NORMALLY OPEN (N.O.) SOLENOID VALVE FOR EACH DEMO SINK. BASIS OF DESIGN IS DANFOSS MODEL EVSI-15-NO-24. EQUALS ARE ACCEPTABLE. VALVE SHALL BE PROVIDED WITH 6 FT. U.L. LISTED 3-WIRE CORD AND PLUG. PLUMBING CONTRACTOR TO INSTALL.	
TMV	THERMOSTATIC MIXING VALVE							SYMMONS MIXING VALVE #7-225-CK "MAXLINE", ½" INLETS AND OUTLET, THERMOSTATIC CONTROLLER WITH INTEGRAL CHECKS, ALL BRASS BODY WITH DUAL STAINLESS STEEL STRAINER, VANDAL-RESISTANT TEMPERATURE ADJUSTMENT HANDLE. SET TO 105°. MOUNT IN ACCESSIBLE LOCATION.	
RP	CIRCULATION PUMP	¾"	¾"	–	–	–	–	BELL & GOSSETT #100, BRONZE PUMP WITH A CAPACITY OF 1.4 GPM @ 7.9 FT. HEAD, ½ HORSEPOWER, 1750 RPM, 115V-1#. INSTALL NEAR WATER HEATER PER MANUFACTURER'S INSTRUCTIONS.	

PLUMBING FIXTURE SCHEDULE-BBW

NTS
42N-P0101-E00-SCHD

E
09/15/22

AD	ACCESS DOOR	G	GAS	P	PUMP
ADA	AMERICAN DISABILITY ACT	GC	GENERAL CONTRACTOR	PC	PLUMBING CONTRACTOR
AFF	ABOVE FINISHED FLOOR	GAL	GALLONS	PD	PRESSURE DROP
AHJ	AUTHORITY HAVING JURISDICTION	GPM	GALLONS PER MINUTE	PLBG	PLUMBING
AP	ACCESS PANEL			PM	PROJECT MANAGER
BBWI	BATH & BODY WORKS, INC.	HB	HOSE BIBB	POC	POINT OF CONNECTION
		HD	HEAD	PRV	PRESSURE REDUCING VALVE
CD	CEILING DIFFUSER OR CONDENSATE DRAIN	HP	HORSEPOWER	PSI	POUNDS PER SQUARE INCH
CFM	CUBIC FEET PER MINUTE	HW	HOT WATER		
CI	CAST IRON	HWR	HOT WATER RETURN	(R)	RELOCATE
CO	CLEANOUT	INV	INVERT	RD	ROOF DRAIN
CONT	CONTINUE			RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
CONTR	CONTRACTOR	LAV	LAVATORY	RPM	REVOLUTION PER MINUTE
COTG	CLEANOUT TO GRADE	LB	POUND		
CW	COLD WATER	LC	LANDLORD CONTRACTOR	SCH	SCHEDULE
		LD	LIGHTING PACKAGE DISTRIBUTOR	SOV	SHUT-OFF VALVE OR SCHEDULE OF VALVE
DET	DETAIL	LF	LINEAL FEET		
DF	DRINKING FOUNTAIN	LL	LANDLORD		
DL	DOOR LOUVER			UH	UNIT HEATER
DS	DREAMSTEAMER	MC	MECHANICAL CONTRACTOR	UON	UNLESS OTHERWISE NOTED
DTR	DOWN THRU ROOF	MECH	MECHANICAL	UTR	UP THRU ROOF
DWG	DRAWING	MFR	MANUFACTURER		
		MTD	MOUNTED	VTR	VENT THRU ROOF
(E)	EXISTING	MTR	MOTOR		
EWC	ELECTRIC WATER COOLER			WC	WATER CLOSET
		(N)	NEW	WCO	WALL CLEANOUT
FCO	FLOOR CLEANOUT	N.C.	NORMALLY CLOSED	WG	WATER GAUGE
FCU	FAN COIL UNIT	N.I.C.	NOT IN CONTRACT	WH	WATER HEATER
FD	FLOOR DRAIN	N.O.	NORMALLY OPEN	WHA	WATER HAMMER ARRESTER
FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	N/A	NOT APPLICABLE	WT	WEIGHT
		NTS	NOT TO SCALE		
FPC	FIRE PROTECTION CONTRACTOR				
FPS	FEET PER SECOND				
FS	FLOOR SINK				

	NEW WASTE OR SAN. SEWER		FLOOR CLEAN-OUT
	EXISTING WASTE OR SAN. SEWER		WALL CLEAN-OUT
D	CONDENSATE DRAIN		FLOOR DRAIN
G	GAS		VENT THRU ROOF
	NEW VENT		POINT OF CONNECTION
	EXISTING VENT	M	WATER METER
	NEW COLD WATER		SHUT-OFF VALVE
	EXISTING COLD WATER		CONCEALED SPRINKLER HEAD
	NEW HOT WATER		RECESSED PENDANT SPRINKLER HEAD
HWR	NEW HOT WATER RETURN		UPRIGHT SPRINKLER HEAD BRASS FINISH
	EXISTING HOT WATER		PENDANT SPRINKLER HEAD BRASS FINISH
	PIPE DROP	E	EXISTING SPRINKLER HEAD
	PIPE RISE	FE	PORTABLE FIRE EXTINGUISHER

FINISH:
WH: WHITE
B: BLACK
C: CHROME
G: CUSTOM FINISH PT-94 = "GRIZZLE GREY"
BU: CUSTOM FINISH PT-20 = "DAY BLUE"

PLUMBING & FIRE PROTECTION LEGEND, SYMBOLS AND ABBREVIATIONS

NTS
00N-P0101-C00-ABBR

C
09/04/15

1. UNLESS OTHERWISE SPECIFIED, CONTRACTOR SHALL PROVIDE ALL NECCSSARY EQUIPMENT, MATERIAL. LABOR AND SUPERVISION NECESSARY TO COMPLETE THE PLUMBING WORK IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARDS.
2. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING WASTE PIPING BELOW SLAB, VENT PIPING ABOVE CEILING AND UP THROUGH ROOF AND COLD WATER SUPPLY PIPING ABOVE CEILING PRIOR TO COMMENCEMENT OF ANY WORK. AFTER INSTALLATION AND FINAL CONNECTION OF NEW WASTE PIPING BELOW SLAB, BACK FILL AND PATCH IN ACCORDANCE WITH THE LANDLORD'S CRITERIA REGARDING SUCH WORK.
3. CONTRACTOR SHALL FURNISH AND INSTALL ALL OF THE NECESSARY PLUMBING FIXTURES (SEE PLUMBING RESPONSIBILITY SCHEDULE ON THIS SHEET) TO SERVE THE TENANT'S DEMISED PREMISES AND MAKE NECESSARY INSTALLATION OF DOMESTIC WATER AND SEWER PIPING FROM TENANT'S DEMISED PREMISE TO CONNECTION PROVIDED BY LANDLORD.
4. SANITARY VENTS SHALL BE ROUTED TO THE EXISTING LANDLORD'S POINT OF CONNECTION WITHIN THE TENANT'S DEMISED PREMISES OR TO A POINT APPROVED BY LOCAL AUTHORITY. THE CONTRACTOR SHALL PROVIDE A CAPPED TEE FOR POSSIBLE FUTURE CONNECTION (IF REQUIRED BY THE LANDLORD). CONTRACTOR SHALL COORDINATE ALL ROOF PENETRATIONS WITH THE LANDLORD'S ROOFING CONTRACTOR, AS REQUIRED. VENT THRU ROOF SHALL BE AT LEAST 15 FEET AWAY FROM A/C UNIT FRESH AIR INTAKE.
5. SEAL AROUND ALL PIPES PENETRATING FIRE SEPARATIONS WITH LISTED AND APPROVED FIRE SEAL MATERIAL. ONLY LISTED AND APPROVED SEALANTS AND METHODS FOR THE SPECIFIC USE WILL BE PERMITTED.
6. THE CONTRACTOR SHALL INSTALL ALL TOILET FIXTURES IN ACCORDANCE WITH ALL CODES AND AS REQUIRED BY LANDLORD'S CRITERIA. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET AND NO MORE THAN 44" A.F.F.
7. THE CONTRACTOR SHALL ENSURE THAT ALL SLAB PENETRATIONS WITHIN THE TENANT'S DEMISED PREMISES ARE PROPERLY SEALED AND REMAIN WATERTIGHT TO PREVENT ANY POSSIBLE DAMAGE TO OTHER TENANTS AND/OR TO THE BUILDING. FAILURE TO DO SO SHALL BE AT THE RISK AND SOLE EXPENSE OF THE CONTRACTOR.
8. ALL MATERIAL SHALL BE NEW AND OF COMMERCIAL GRADE, AND BEAR UNDERWRITER'S LABORATORIES AND UNION LABELS WHERE SUCH LABELING APPLIES.
9. PLUMBING CONTRACTOR TO FIELD VERIFY PROPER SLOPE OF EXISTING SEWER TO MAIN SEWER PRIOR TO ANY NEW PLUMBING INSTALLATION.
10. PLUMBING CONTRACTOR MUST VISIT THE JOBSITE TO BECOME FAMILIAR WITH MAJOR ITEMS SUCH AS STRUCTURAL ELEMENTS AND OTHER EXISTING JOB CONDITIONS THAT MAY AFFECT THE WORK. ADDITIONALLY, PLUMBING CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DIMENSIONS OF SUCH ITEMS AS WASTE, VENTS, WATER LINES, ETC.
11. PLUMBING CONTRACTOR TO FAMILIARIZE AND FOLLOW SPECIFICATIONS AND DETAILS CONTAINED IN DESIGN CRITERIA OF TENANT HANDBOOK.
12. PLUMBING CONTRACTOR TO CLEAR ALL EXISTING AND NEW DRAIN LINES AND FIXTURES, PRIOR TO TURNING OVER SPACE TO TENANT.
13. PLUMBING CONTRACTOR SHALL PROVIDE ACCESS TO VALVES, TRAP PRIMERS, ETC. INSTALLED BEHIND WALLS, FLOORS OR CEILINGS.
14. NO PVC PLASTIC PIPING ALLOWED WITHIN CEILING VOIDS USED FOR NON-DUCTED RETURN AIR PLENUM OR IN WALLS, EXCEPT IN CANADA WHERE XFR-PVC MAY BE USED IF PERMITTED BY THE AUTHORITY HAVING JURISDICTION.
15. THE GENERAL CONTRACTOR'S FIRE SPRINKLER SUB-CONTRACTOR SHALL DESIGN AND INSTALL FIRE SPRINKLER SYSTEM CONFORMING TO LANDLORD'S CRITERIA, TENANT'S REQUIREMENTS, AND PER LOCAL CODES AND NFPA STANDARDS.
16. HEADS MOUNTED UNDER EIGHT FEET (8'-0") ABOVE FINISHED FLOOR SHALL BE CONCEALED OR BE PROVIDED WITH WIRE GUARDS.
17. THESE PLANS MAY BE USED FOR CONSTRUCTION ONLY AFTER APPROVAL IS OBTAINED FROM THE BUILDING DEPARTMENT PLUMBING PLAN CHECK DIVISION AND THAT DIVISION'S STAMPED APPROVAL AND AUTHORIZED SIGNATURE APPEAR ON THE PLANS.
18. COORDINATE ALL WORK WITH ALL TRADES INCLUDED BUT NOT LIMITED TO ELECTRICAL, FIRE PROTECTION, MECHANICAL AND STRUCTURAL CONTRACTORS. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL AND STRUCTURAL MEMBERS. NO ITEM SUCH AS PIPE, DUCT, ETC. IS TO BE IN CONTACT WITH ANY EQUIPMENT.
19. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION WORK.
20. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE LOCATION.
21. CONTRACTOR SHALL PROVIDE CUT SHEETS TO B&BW FOR ALL EQUIPMENT AND DEVICES FURNISHED BY THE CONTRACTOR THAT DEVIATE FROM SPECIFIED ITEM FOR REVIEW AND APPROVAL PRIOR TO THE PURCHASE OF ANY SUCH EQUIPMENT OR DEVICES.
22. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY THE EXACT LOCATIONS, SIZES, INVERTS AND CONDITION OF EXISTING SANITARY WASTE PIPING BELOW SLAB, VENT PIPING ABOVE CEILING AND UP THROUGH ROOF AND DOMESTIC COLD WATER SUPPLY PIPING TO TENANT'S DEMISED PREMISES PRIOR TO SUBMITTING HIS BID. NO ADDITIONAL COMPENSATION WILL BE MADE FOR ANY EXTRAS DUE TO CONTRACTOR'S FAILURE TO VISIT THE JOB SITE AND/OR FAILURE TO PREDETERMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING HIS BID.
23. ACCESS TO ALL COMPONENTS AND EQUIPMENT MUST BE PROVIDED TO MEET CODE AND SERVICE/MAINTENANCE EASE.
24. THE CONTRACTOR SHALL VERIFY WITH LOCAL CODES AS TO THE REQUIREMENT/INSTALLATION OF ANY "WATER SAVING" DEVICES TO THE PLUMBING FIXTURES. (EXAMPLE: TOILET, FAUCETS, ETC.).
25. PLUMBING SYSTEM SHALL BE PRESSURE TESTED AND STERILIZED PER LANDLORD'S CRITERIA AND LOCAL AUTHORITY.
26. UPON COMPLETION OF THE WORK, CONTRACTOR SHALL ENSURE THE PROPER WORKING ORDER OF THE SYSTEM(S) AND MAKE ANY ADJUSTMENTS AS REQUIRED.

PLUMBING GENERAL CONSTRUCTION NOTES

NTS
00N-P0101-A00-NOTE

A
08/10/15

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

TBA
Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 231So.00
A/E PROJECT #: 20221012.0

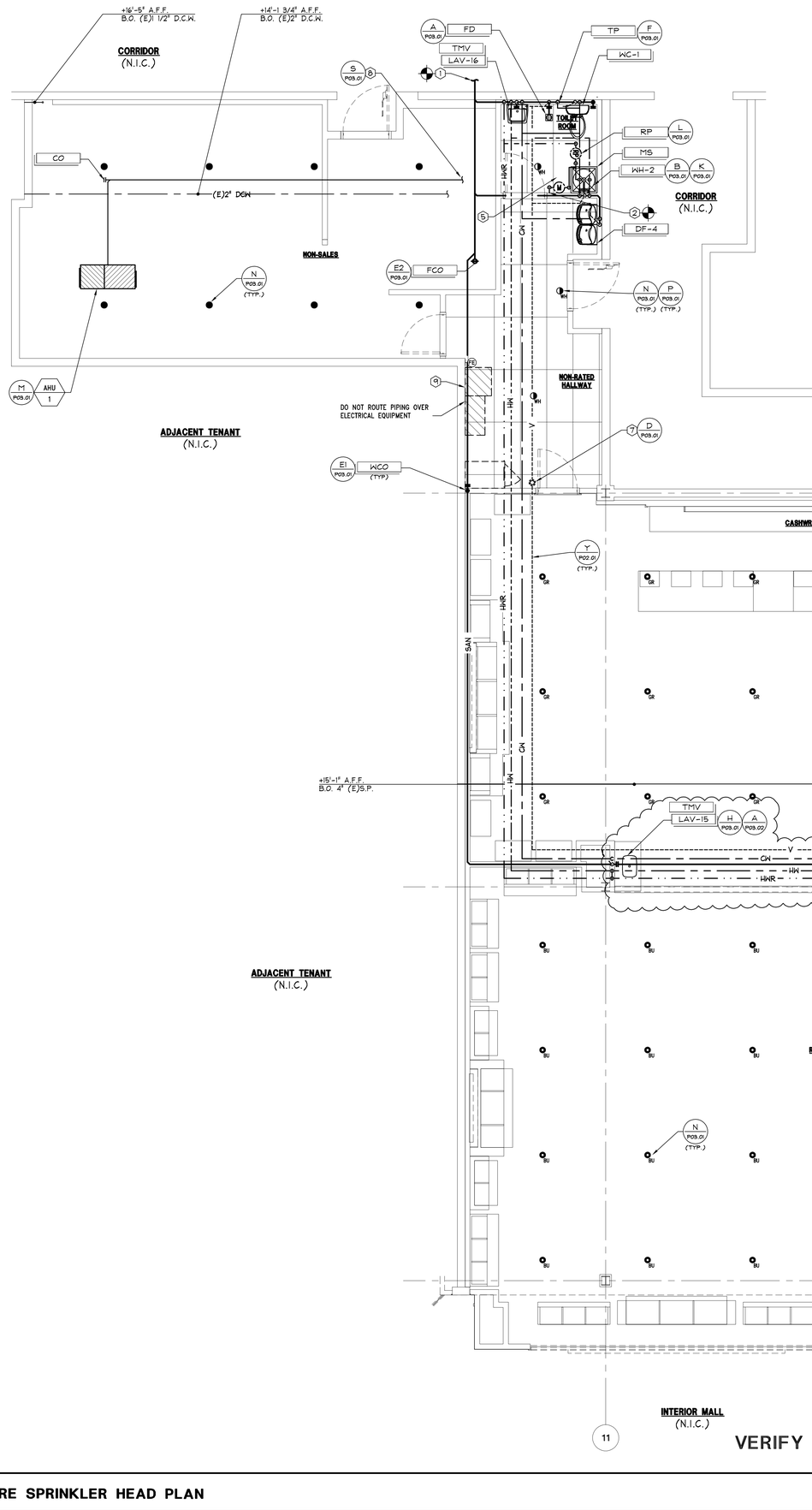
REVISIONS:

	REQUIRED BY:	DATE:
1	REVI - POR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

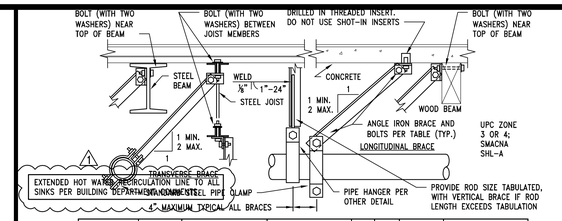
PLUMBING NOTES, SCHEDULES AND ISOMETRICS

DRAWING NUMBER:
P01.01



VERIFY ALL FIELD CONDITIONS PRIOR TO BID

PRCTI20221802



PIPE SIZE	SPACING TR.	SPACING LO.	TRANSVERSE BRACE	LONGITUDINAL BRACE	BOLT SIZE	ROD SIZE	MAX ROD LENGTH	VERTICAL BRACE
1" TO 2"	20'	20'	1"x2"x18GA	1"x2"x18GA	1/4"	3/8"	20"	2"x2"x18GA
2-1/2" TO 3"	40'	40'	2-1/2x2-1/2x16GA	2-1/2x2-1/2x16GA	3/8"	1/2"	25"	2"x2"x16GA
4" TO 5"	40'	40'	2-1/2x2-1/2x16GA	2-1/2x2-1/2x12GA	1/2"	5/8"	31"	2"x2"x16GA
6"	40'	40'	2-1/2x2-1/2x12GA	2-1/2x2-1/2x12GA	1/2"	3/4"	37"	2-1/2x2-1/2x16GA
8"	40'	40'	2-1/2x2-1/2x12GA	2-1/2x2-1/2x12GA	5/8"	7/8"	43"	2-1/2x2-1/2x12GA
10"	20'	20'	2-1/2x2-1/2x12GA	2-1/2x2-1/2x12GA	3/4"	7/8"	43"	2-1/2x2-1/2x12GA
12"	20'	20'	3"x3"x12GA	3"x3"x12GA	3/4"	7/8"	43"	2-1/2x2-1/2x12GA
14"	20'	20'	3"x3"x12GA	3"x3"x12GA	3/4"	1"	50"	2-1/2x2-1/2x12GA

DO NOT BRACE ANY PIPES WHERE TOP OF PIPE TO BOTTOM OF UPPER ATTACHMENT IS LESS THAN 12". BRACE GAS, OIL AND AIR PIPES 1" AND LARGER. BRACE ALL PIPES IN EQUIPMENT ROOMS 1-1/4" AND LARGER. BRACE ALL OTHER PIPE 2-1/2" AND LARGER. BRACE HUBLESS CAST IRON PIPE ON EACH SIDE OF ANY CHANGE IN DIRECTION OF 90 DEGREES OR MORE. MAXIMUM HANGER ROD LENGTH IS 6 FEET. WHERE LENGTH OF RUN EXCEEDS LONGITUDINAL BRACE SPACING, PROVIDE 2 FEET OFFSET IN PIPE AND LOCATE BRACE AT MID RUNS. REFER TO CURRENT EDITION OF SMACNA "SEISMIC RESTRAINT MANUAL" FOR ALTERNATIVE ATTACHMENTS AND ADDITIONAL INFORMATION AND REQUIREMENTS. (THIS DETAIL APPLIES IN THE ABSENCE OF OTHER LOCAL CODE REQUIREMENTS.)

SEISMIC BRACING FOR PIPE

NTS | 00D-P0301-802-SBRC | Y | 11/07/2014

1. CONNECT (N) 4" SANITARY SEWER BELOW SLAB TO (E) SANITARY SEWER LINE. (FIELD VERIFY EXACT SIZE AND LOCATION – MIN. 4")
2. CONNECT (N) 1" COLD WATER TO (E) COLD WATER LINE. (FIELD VERIFY EXACT SIZE AND LOCATION – MIN. 1")
3. ~~P.O.C. OF (N) VENT TO (E) VENT LINE. (FIELD VERIFY EXACT SIZE AND LOCATION – MIN. 2")~~
4. 1" CONDENSATE DRAIN ON ROOF TO DISCHARGE TO SPLASH BLOCK. REFER TO DETAIL J ON SHEET P03.01.
5. PLUMBING CONTRACTOR TO PROVIDE WATER METER – 'HERSEY MODEL NO. ⅝" MVR' AT MINIMUM OF 21 GPM. VERIFY LOCATION. MOUNT 48" ABOVE FINISHED FLOOR. MAKE NECESSARY CONNECTIONS AS REQUIRED. METER TO READ IN GALLONS.
6. ~~ROUTE TO APPROVED GAS METER LOCATION WITH REGULATOR. TOTAL GAS LOAD = 700 CFH AND A TOTAL DEVELOPED LENGTH = 100 FEET. FIELD VERIFY EXACT LOCATION OF METER AND GAS COMPANY REQUIREMENTS.~~
7. PROVIDE NEW VENT THROUGH ROOF, PER DETAIL D ON SHEET P03.01.
8. 1" CONDENSATE DRAIN FROM EQUIPMENT TO DISCHARGE AT MOP SINK. REFER TO DETAILS M & S ON SHEET P03.01.
9. NO PIPING SHALL BE ROUTED OVER ELECTRICAL GEAR. ANY EXISTING PIPING LESS THAN 6'-0" ABOVE SHALL BE RELOCATED. ANY PIPING ABOVE 6'-0" SHALL BE PROVIDED WITH A DRIP PAN.

SUPPORT PLUMBING / FIRE SPRINKLER SYSTEMS PER APPROPRIATE SEISMIC DESIGN CATEGORY (C, D, E, F) WITH SEISMIC RESTRAINTS IN ACCORDANCE WITH THE LOCAL BUILDING CODE AND AHJ.

SPRINKLER HEADS SHOWN FOR REFERENCE, STYLE, FINISH, SUGGESTED LOCATION AND QUANTITY ONLY. FILED UNDER SEPARATE PERMIT.

GC SHALL PROVIDE COVERS ON ALL FLOOR DRAINS DURING CONSTRUCTION TO PREVENT DEBRIS IN PIPES.

GC TO PROVIDE WRITTEN REPORT TO BBWI PM ON CONDITION OF EXISTING SEWER TIE-IN REGARDING SLOPE AND FLOW.
- SCOPE WITH CAMERA PRIOR TO CONNECTION
- DO NOT CONNECT WITHOUT BBWI PM AUTHORIZATION IF SPECS NOT MET

PLUMBING AND FIRE SPRINKLER HEAD PLAN KEYNOTES

NTS | - | D | 11/11/11

PLUMBING AND FIRE SPRINKLER HEAD PLAN

1/4" = 1'-0" | A

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

NATHANIEL J. KOSCHAK — 51970 — REGISTERED PROFESSIONAL ENGINEER — STATE OF OHIO

Bath&BodyWorks
Three Limited Parkway · Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 231So.00
A/E PROJECT #: 20221012.0

REVISIONS:

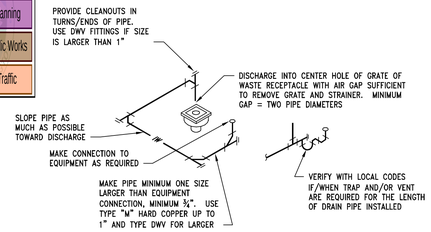
	REQUIRED BY:	DATE:
1	REV1 - POR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

PLUMBING AND FIRE SPRINKLER HEAD PLAN

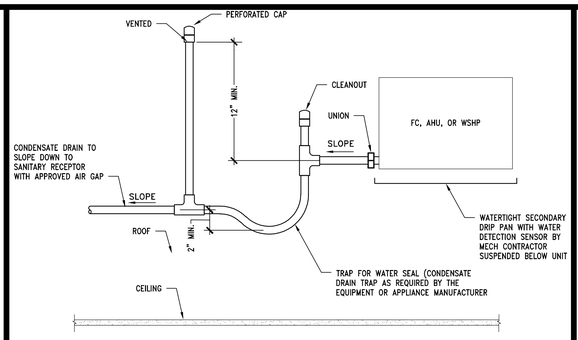
DRAWING NUMBER:
P02.01

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic



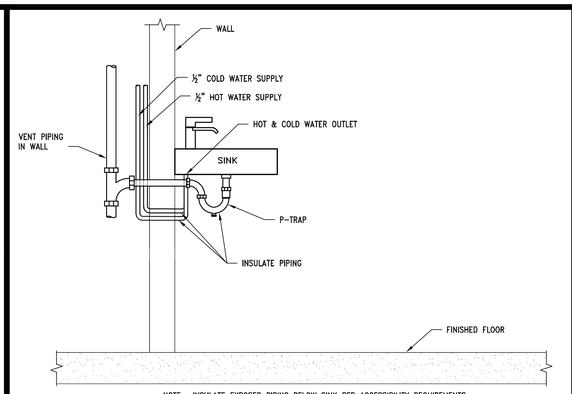
ROUTE PIPE INCONSPICUOUSLY AND UNOBTRUSIVELY. HANG PIPE AS REQUIRED. REFER TO LOCAL CODES FOR FURTHER INFORMATION.

CONDENSATE DRAIN DETAIL
NTS | 00D-P0301-K01-COND | S | 09/03/2015



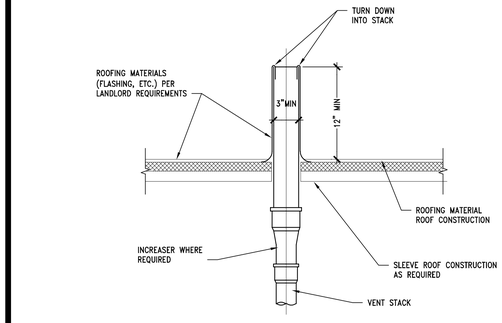
CONDENSATE DRAIN TO AN INTERIOR APPROVED SANITARY RECEPTOR SHALL BE COPPER.

CONDENSATE DRAIN DETAIL
1" = 1'-0" | 00D-P0301-J02-COND | M | 09/03/2015

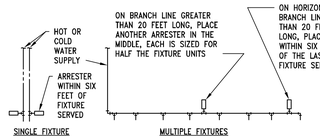


NOTE: INSULATE EXPOSED PIPING BELOW SINK PER ACCESSIBILITY REQUIREMENTS.

DEMONSTRATION SINK DETAIL
NTS | 42D-P0301-H03-DEMO | H | 09/04/20



VENT THRU ROOF DETAIL
1-1/2"=1'-0" | 00D-P0301-D00-VTR | D | 09/03/2015

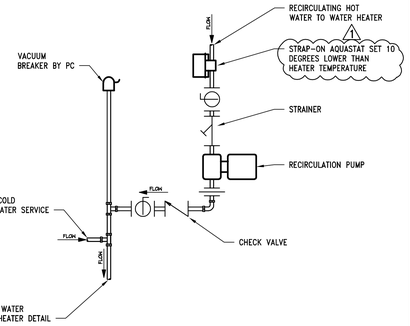


PDI SIZE	FIXTURE UNIT LOAD
AA	1–3
A	4–11
B	12–32
C	33–60
D	61–113
E	114–154
F	155–330

FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
VALVE WATER CLOSET	10	–
TANK WATER CLOSET	5	–
URINAL	5	–
LAVATORY	1.5	1.5
SINK	2	2
MOP BASIN	3	3
SHOWER/BATHTUB	2	3
DRINKING FOUNTAIN	0.5	–

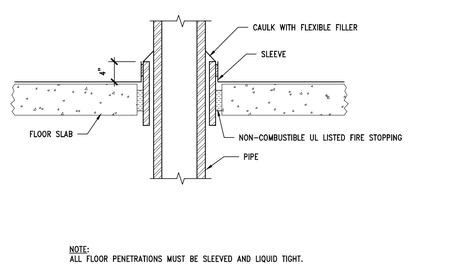
PC TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 OR ANSI #A112.26.1M CERTIFICATION. SIZE AND INSTALL PER PDI #WH-201 STANDARD OR MANUFACTURER'S INSTRUCTION. THE TABLES ABOVE ARE BASED ON THE SIOUX CHIEF PRODUCT LINE. IF PRESSURE IS IN EXCESS OF 65 PSIG THEN UPSIZE THE ARRESTER BY ONE (EXAMPLE: AN 'A' ARRESTER WOULD BECOME A 'B' ARRESTER.)

WATER HAMMER ARRESTERS
NTS | 00D-P0301-R00-WHAI | R | 10/30/2014



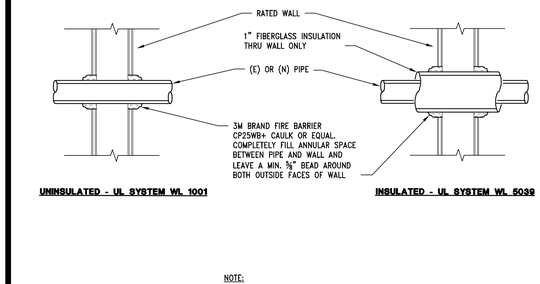
NOTE:
INSULATE ALL PIPING IN ACCORDANCE WITH SPECIFICATIONS. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. MAKE PIPE SAME SIZE AS PUMP FITTING. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION PROCEDURE. VERIFY PROPER OPERATION WHEN INSTALLED.

HOT WATER RECIRC. PUMP DETAIL
NTS | L | 08/11/15



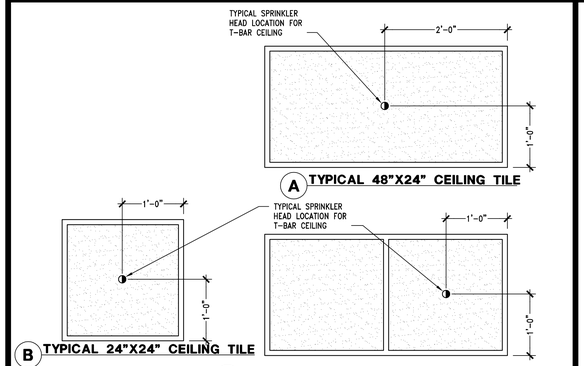
NOTE:
ALL FLOOR PENETRATIONS MUST BE SLEEVED AND LIQUID TIGHT.

PIPE FLOOR PENETRATION DETAIL
NTS | 00D-P0301-G00-PPEN | G | 09/03/2015



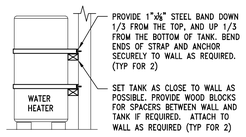
NOTE:
INSTALLATION TO FOLLOW UL SYSTEM WL 1001 OR WL 5039 AND BE A UL TESTED ASSEMBLY.

PIPE THRU FIRE WALL PENETRATION DETAIL
NTS | 00D-P0301-C00-PTFW | C | 09/03/2015



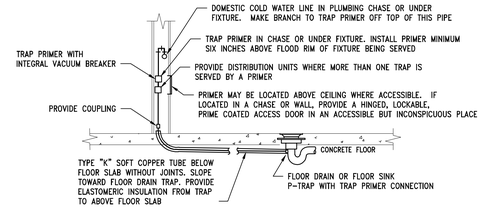
FIRE SPRINKLER HEAD LOCATION DETAILS
1" = 1'-0" | 00D-P0301-P00-FSHL | P | 09/03/2015

WATER HEATER SHALL BE ANCHORED OR STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION PER LOCAL CODE.



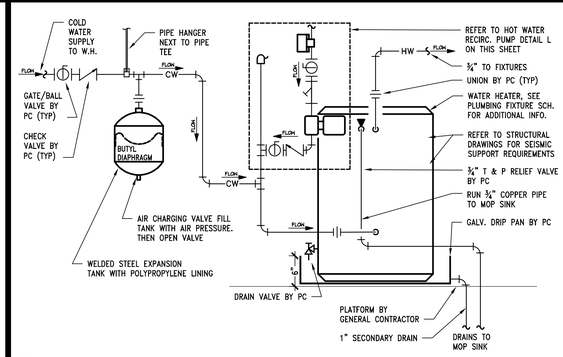
ANCHOR TANK LEGS TO FLOOR OR PLATFORM OR AS REQUIRED BY LOCAL CODE AUTHORITIES.

TANK SEISMIC RESTRAINT
NTS | 00D-P0301-M01-TSRT | K | 11/07/2014



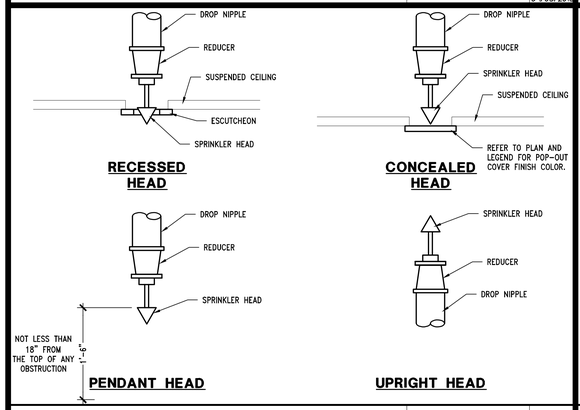
TRAP PRIMER MAY BE LOCATED ABOVE CEILING WHERE ACCESSIBLE.

TRAP PRIMER
1" = 1'-0" | 00D-P0301-F01-TRAP | F | 09/03/2015

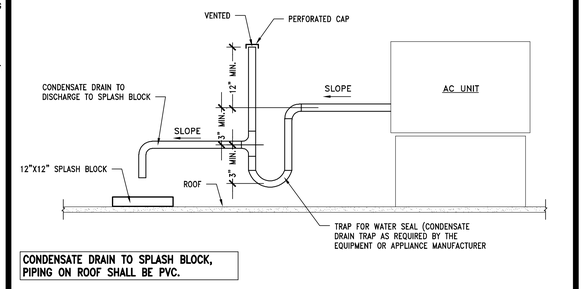


NOTE:
INSULATE ALL PIPING IN ACCORDANCE WITH SPECIFICATIONS. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. MAKE PIPE SAME SIZE AS TANK FITTINGS. FITTINGS COME FACTORY EQUIPPED WITH HEAT TRAPS IN NIPPLES. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION PROCEDURE. VERIFY PROPER OPERATION WHEN INSTALLED.

WATER HEATER DETAIL
1" = 1'-0" | 00D-P0301-B00-WTHR | B | 09/27/15

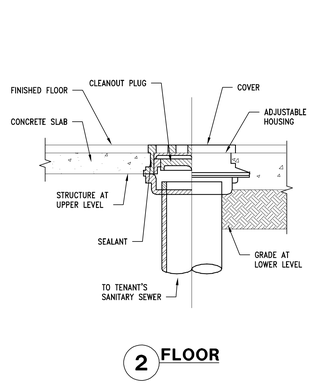


FIRE SPRINKLER HEAD DETAILS
NTS | 00D-P0301-N00-FSHD | N | 02/14/2014

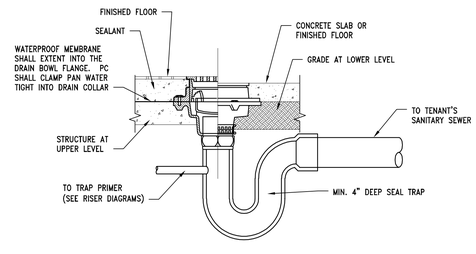


CONDENSATE DRAIN TO SPLASH BLOCK, PIPING ON ROOF SHALL BE PVC.

CONDENSATE DRAIN DETAIL
1" = 1'-0" | 00D-P0301-J00-COND | J | 09/03/2015



CLEANOUT DETAILS
NTS | 00D-P0301-E00-FWCO | E | 09/03/2015



PRCTI20221802

FLOOR DRAIN DETAIL
NTS | 00D-P0301-A00-FDRN | A | 09/03/2015

TBA
Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

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Three Limited Parkway • Columbus, Ohio 43230
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SIS PKG 2
2315s.00
20221012.0

104.01.0737.01

PROJECT INFORMATION:
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE:
GENERATION:
A/E PROJECT #:

REVISIONS:

	REQUIRED BY:	DATE
1	REV1 – POR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

PLUMBING AND FIRE PROTECTION DETAILS

DRAWING NUMBER:
P03.01

Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road
Richfield, Ohio 44286
(330) 659-6688 Ph.
(330) 659-6675 Fax

Bath&BodyWorks
Three Limited Parkway • Columbus, Ohio 43230
Telephone: 614.415.7000 • Fax: 614.415.7349

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PROJECT INFORMATION:

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBWI PROJECT #: 00116082

PACKAGE: SIS PKG 2
GENERATION: 231So.00
A/E PROJECT #: 20221012.0

104.01.0737.01

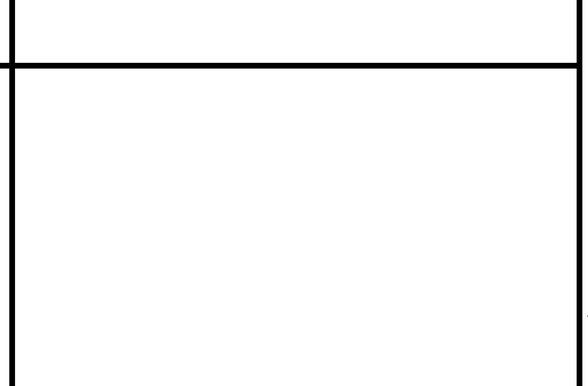
REVISIONS:

	REQUIRED BY:	DATE:
1	REV1 - POR REVISION & DESIGN UPDATES	12/23/2022

DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

PLUMBING AND FIRE PROTECTION DETAILS

DRAWING NUMBER:
P03.02



NOTE: INSULATE EXPOSED PIPING BELOW SINK PER ADA REQUIREMENTS.

DEMONSTRATION SINK DETAIL

NTS
42D-P0301-H00-DEMO
A
09/04/15

1 ADDED NEW SHEET AND DETAIL PER POR CHANGES.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

PRCTI20221802

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

SECTION 210000: FIRE PROTECTION

A. SCOPE OF WORK

1. PROVIDE A COMPLETE AND OPERABLE FIRE PROTECTION SYSTEM AS IT APPLIES TO THE DEMISED PREMISE.
2. WHERE APPLICABLE, THE CONTRACTOR SHALL CONTRACT THIS WORK WITH A LANDLORD APPROVED FIRE PROTECTION CONTRACTOR, ALL MATERIALS AND EQUIPMENT UNDER THIS SECTION SHALL BE NEW AND LISTED BY UNDERWRITERS LABORATORIES/OF CANADA, INC. FOR FIRE PROTECTION SYSTEM INSTALLATION.
3. THE FIRE PROTECTION SYSTEM SHALL BE AS FOLLOWS:
   a. NEW WET SPRINKLER FIRE PROTECTION SYSTEM FOR ALL AREAS OF THE RETAIL SPACE, PORTIONS THAT ARE UNHEATED OR EXPOSED TO FREEZING TEMPERATURES SHALL BE PROVIDED WITH AN AUTOMATIC DRY PIPE SYSTEM COMPLYING WITH NFPA/NFPAC 13.
   b. COVERAGE SHALL BE IN ACCORDANCE WITH EXISTING CONDITIONS, NFPA/NFPAC 13, LOCAL CODES, LANDLORD'S CRITERIA, MALL INSURANCE AND BBWI'S STANDARDS AND SHALL INCLUDE:
      (1) ALL PIPE TAPS, RISERS, LATERALS, BRANCHES, VALVES, HANGERS, ALARMS, SPRINKLER HEADS AND ALL COMPONENTS REQUIRED.
      (2) PROVIDE PROFESSIONALLY DESIGNED AND SEALED DRAWINGS, HYDRAULIC CALCULATIONS, SUBMITTALS AND APPROVALS AS NEEDED INCLUDING ANY SEALS, PERMITS, FEES, AND CHARGES.
   c. FIRE EXTINGUISHERS SHALL BE PROVIDED. REFER TO INSTALLATION SECTION OF THIS SPECIFICATION.
4. EXAMINE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DOCUMENTS TO PROPERLY SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF THE FIRE PROTECTION SYSTEM WITH OTHER CONTRACTORS TO AVOID INTERFERENCES AND CONFRONTATIONS.
5. CONTRACTOR SHALL USE APPROVED INDUSTRY FIRE SPRINKLER STANDARDS FOR REUSING EXISTING FIRE SPRINKLER BRANCHES AND SUBMIT CALCULATIONS TO THE BBWI'S PROJECT MANAGER UPON REQUEST OR REWORK SYSTEM TO THE BBWI PROJECT MANAGER'S SATISFACTION.
6. RELOCATION OF EXISTING MAINS, LATERALS, BRANCHES AND RISERS TO FACILITATE STORE DESIGN CRITERIA SHALL BE INCLUDED AS PART OF THIS WORK.

B. SHOP DRAWINGS AND DESIGN

1. IN ACCORDANCE WITH THE PREVAILING STANDARDS, BUT NO LESS THAN THAT REQUIRED BY NFPA/ NFPAC 13, THIS FIRE PROTECTION CONTRACTOR SHALL PREPARE COMPLETE CALCULATIONS AND SHOP DRAWINGS. SIX (6) COPIES SHALL BE SUBMITTED TO THE GENERAL CONTRACTOR AND ADDITIONAL SETS AS REQUIRED TO THE PROPER CODE AUTHORITIES FOR APPROVAL (NO WORK SHALL BEGIN UNTIL ALL APPROVALS HAVE BEEN RECEIVED).
2. COPY OF THE LETTER OF APPROVAL FROM THE LANDLORD'S INSURANCE RATING BUREAU SHALL BE FORWARDED TO THE LANDLORD'S AGENT AND TO THE BBWI PROJECT MANAGER.
   a. REQUIREMENTS IF PROJECT IS A SIMON MALL: A MINIMUM OF FIVE SETS OF SHOP DRAWINGS ALONG WITH HYDRAULIC CALCULATIONS (IF APPLICABLE) SHALL BE SUBMITTED TO GLOBAL RISK CONSULTANTS FOR APPROVAL. HYDRAULIC CALCULATIONS SHALL BE SUBMITTED REGARDLESS OF THE SCOPE OF WORK INVOLVED.
   b. REQUIREMENTS IF PROJECT IS A SIMON MALL: FIVE SETS OF MATERIAL BROCHURES SHALL ALSO BE SUBMITTED TO GRC FOR REVIEW. BROCHURES SHALL BE LIMITED TO NEW SPRINKLER HEADS, FLEXIBLE DROPS AND VALVES. PLANS SHALL INDICATE THE TYPE OF PIPING BEING UTILIZED WITH THE GAUGE INDICATED.
3. LISTED BELOW ARE MINIMUM REQUIREMENTS FOR SPRINKLER SYSTEM DESIGN AND INSTALLATION. SYSTEM SHALL BE HYDRAULICALLY DESIGNED:
   a. ORDINARY HAZARD, GROUP 2: PROVIDE A 0.20 GPM/SF PER 1,500 SQUARE FEET DENSITY WITH 165°F RATED 1/2" ORIFICE SPRINKLER HEADS OR FOLLOW NFPA/NFPAC DENSITY/AREA CURVE FOR DENSITY COVERAGE. PROVIDE A MAXIMUM COVERAGE OF 130 SQUARE FEET PER HEAD.
      (1) REQUIREMENTS IF PROJECT IS A SIMON MALL: MINIMUM SPACING SHALL BE 70 SQUARE FEET PER HEAD AND SPACING SHOULD NOT EXCEED 100 SF FOR DENSITIES OVER 0.25 GPM/SF.
      (2) REQUIREMENTS IF PROJECT IS A SIMON MALL: FM GLOBAL REQUIRED DENSITY WILL BE 0.15 GPM/SF OVER THE MOST HYDRAULICALLY REMOTE 2500 SF USING ½" ORIFICE, 165 DEGREE RATED HEADS. HEAD SPACING SHOULD NOT EXCEED 130SF. OPTIMUM SPRINKLER OPERATING AREA SHOULD BE 300SF UNLESS SPECIFIC APPROVAL IS GIVEN OTHERWISE FOR SPECIAL OCCUPANCIES. THE MOST REMOTE AREA SHOULD HAVE THE DIMENSIONS PARALLEL TO THE BRANCH LINE OF AT LEAST 1.4 TIMES THE SQUARE-FOOT OF THE AREA. THE DENSITY DESIGN SHOULD CONFORM TO THE MOST STRINGENT FM GLOBAL OR NFPA/NFPAC 13, ORDINARY HAZARD GROUP TWO OCCUPANCY FOR RETAIL/COMMON/OFFICE AND MECHANICAL EQUIPMENT AREAS.
   b. MAXIMUM HEAD SPACING: 15 FT.
   c. SPRINKLERS SHALL BE TESTED FOR A MINIMUM OF 2 HOURS AT 200 PSI.
   d. DESIGN CALCULATIONS OF INSIDE PIPE SHALL USE C=100 FOR DRY AND C=120 FOR WET SYSTEMS.

C. SPRINKLER HEADS

1. ALL SPRINKLER HEADS SHALL BE NEW (EXISTING HEADS IN EXISTING BBWI STORES ARE NOT TO BE REPLACED UNLESS NOTED OTHERWISE), U.L. AND F.M. LISTED AND APPROVED AUTOMATIC SPRAY TYPE AS MANUFACTURED BY AUTOMATIC SPRINKLER, GRINNELL, RELIABLE, OR VIKING.
2. ALL SPRINKLER HEADS SHALL BE RATED AS FOLLOWS OR AS REQUIRED BY LOCAL CODES:
   a. STORAGE AREAS OR MEZZANINES: 200°F–225°F.
   b. SALES AREA: 150°F–170°F OR 200°F–225°F AS NOTED ON PLANS.
3. MANUFACTURER FOR ALL SPRINKLER HEADS SHALL BE AS FOLLOWS:
   a. SALES AREA: BASE BID SHALL INCLUDE HEADS MANUFACTURED BY RELIABLE WITH ALTERNATE BIDS BASED ON VIKING MICROFAST AND MIRAGE VK SERIES OR GRINNELL MODEL F972 AND SHALL BE APPROVED BY THE BBWI PROJECT MANAGER PRIOR TO ORDERING AND INSTALLATION.
   b. NON-SALES AREA: ROUGH BRASS FINISH AS MANUFACTURED BY AUTOMATIC SPRINKLER, STAR, RELIABLE, GRINNELL OR VIKING SPRINKLER COMPANY ONLY.
4. ALL SALES AREA SPRINKLER HEADS INCLUDING TRIM AND COVER SHALL HAVE FACTORY APPLIED FINISH. REFER TO FIRE SPRINKLER HEAD PLAN FOR FINISH REQUIREMENTS.
5. ALL SPRINKLER HEADS ON THE WALL SIDE OF TENANT'S STOREFRONT ENCLOSURE, IF ANY, SHALL MATCH LANDLORD'S TYPE.

D. PIPING, FITTINGS, & VALVES

1. SCHEDULE 40 BLACK STEEL: ASTM A-53 WELDED AND SEAMLESS, ANSI B-36-10-70 FOR WROUGHT STEEL PIPE.
2. CAST IRON OR MALLEABLE IRON SCREWED FITTINGS FOR PIPES 2 INCHES AND SMALLER, SCREWED OR CAST IRON FLANGED JOINTS FOR PIPES LARGER THAN 2 INCHES. FITTING SHALL BE APPROVED FOR 175 PSI WORKING PRESSURE.
3. GALVANIZED OR BLACK MALLEABLE IRON WITH BRASS SEAT SCREWED UNIONS FOR PIPES 2 INCHES AND SMALLER.
4. VICTAULIC TYPE COUPLINGS ARE ACCEPTABLE WHERE APPROVED BY LOCAL CODE AND THE LANDLORD.
5. REQUIREMENTS IF PROJECT IS A SIMON MALL: APPROVED FM LIGHTWALL PIPING WITH ROLL GROVES MAY BE USED IS SIZES LARGER THAN 2 INCHES, EXCEPT WHERE PIPE IS SUBJECT TO PHYSICAL DAMAGE.
6. REQUIREMENTS IF PROJECT IS A SIMON MALL: ALL HANGERS SHALL CONFORM TO FM GLOBAL GUIDELINES, STRUCTURAL STEEL HEADERS SHALL BE INSTALLED FOR SUPPORTING CROSS MAIN HANGERS WHERE THE MAIN IS NOT DIRECTLY BELOW A STRUCTURAL MEMBER.
7. REQUIREMENTS IF PROJECT IS A SIMON MALL: CAST IRON WALL PLATES SHALL BE PROVIDED ON EXPOSED PIPING WHERE PIPE PASSES THROUGH WALLS, PARTITIONS, CEILINGS, ETC., SECURED BY SETSCREWS.
8. REQUIREMENTS IF PROJECT IS A SIMON MALL: VALVES SHALL BE FM GLOBAL APPROVED AND RATED 175 PSI MINIMUM.

E. INSTALLATION

1. A FIRE PROTECTION SYSTEM TAP IS NORMALLY FURNISHED BY THE LANDLORD, VERIFY IN FIELD PRIOR TO BID.
   a. WHENEVER AN EXISTING SPRINKLER SYSTEM IS BEING RENOVATED, THE INTEGRITY AND RELIABILITY OF THE EXISTING SYSTEM SHALL BE MAINTAINED.
   b. ORIGINAL SPRINKLER SHOP DRAWINGS SHALL BE ACQUIRED THROUGH THE MALL MANAGER/PROJECT MANAGER; HOWEVER, THE SPRINKLER CONTRACTOR SHALL VERIFY THE EXISTING SPRINKLER SYSTEM IN THE FIELD AND SHALL COORDINATE WITH AND SHOW DISCREPANCIES BETWEEN THE ORIGINAL SHOP DRAWINGS AND FIELD CONDITIONS IN THE RENOVATED SHOP DRAWINGS.
2. INSTALLATION SHALL INCLUDE TESTING THE BUILDING SYSTEM PRIOR TO CONNECTING TO MALL SPRINKLER SYSTEM. TESTING SHALL BE APPROVED BY THE FIRE DEPARTMENT AND LANDLORD REPRESENTATIVES. FINAL CONNECTION TO LANDLORD'S SPRINKLER MAIN WILL NOT BE MADE UNTIL THE ENTIRE SYSTEM WITHIN THE DEMISE PREMISES IS TESTED AND READY FOR SERVICE.
3. SPRINKLER HEAD SPACING SHALL COMPLY WITH ORDINARY HAZARD, GROUP 2.
4. SYSTEM SHALL COMPLY WITH THE MOST STRINGENT OF THESE SPECIFICATIONS, THE LANDLORD'S DESIGN CRITERIA OR LOCAL CODES WITH PIPE SIZING BEING BASED ON NFPA/NFPAC ORDINARY HAZARD, GROUP 2 AND COMPLY WITH NFPA/NFPAC 13 LATEST EDITION.
5. ALL SPRINKLER LINES SHALL BE CONCEALED AND MOUNTED AS HIGH AS IS PRACTICAL, AVOIDING INTERFERENCE WITH LIGHTS, DUCTS, PIPES, STORAGE DECK, ETC.
6. FIRE PROTECTION CONTRACTOR SHALL PREPARE COORDINATED SHOP DRAWINGS INDICATING THE LOCATIONS OF ALL SPRINKLER HEADS, SPRINKLER LINES, LIGHTS, DIFFUSERS, GRILLES AND REGISTERS PRIOR TO INSTALLATION.
7. RELOCATE ALL MAINS AND BRANCHES INTERFERING WITH CEILING HEIGHTS, EQUIPMENT AND MAJOR COMPONENTS, INCLUSIVE OF ADJACENT TENANTS AND MALL COMMON AREAS, REMOVE ALL UNUSED PIPING.
8. FASTENING AND/OR SUSPENSION DEVICES MUST BE ATTACHED TO THE BUILDING STRUCTURE ONLY. SUPPORT SHALL BE FROM THE TOP OF ANY BAR JOIST OR AS DIRECTED BY THE LANDLORD OR THE BUILDING STRUCTURAL ENGINEER.
9. FURNISH AND INSTALL A VALVED TEST CONNECTION IN AN ACCESSIBLE LOCATION FOR THE SPRINKLER SYSTEM AS REQUIRED OR REQUESTED BY THE MALL, LOCAL INSPECTOR, OR INSURANCE CARRIER – COORDINATE LOCATION WITH THE BBWI PROJECT MANAGER AND LOCAL FIRE PROTECTION OFFICIAL TO ROUGH-IN.
10. WHEN COMPLETED, THE ENTIRE FIRE PROTECTION PIPING SYSTEM SHALL BE HYDROSTATICALLY TESTED AS REQUIRED BY THE RULES AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION. SYSTEM SHALL SHOW NO SIGNS OF LEAKAGE OR OTHER DEFECTS. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO THE WORK OF THE OTHER CONTRACTORS OR TO THE BUILDING, OR TO ITS CONTENTS, PEOPLE, ETC., EXPENSE. COMPLETELY FLUSH THE SYSTEM UNTIL DISCHARGE SHOWS NO DISCOLORATION.
11. PROPERLY COMPLETED AND SIGNED "SPRINKLER CONTRACTOR'S MATERIAL AND TEST CERTIFICATES SHALL BE FURNISHED TO THE LANDLORD, AUTHORITIES HAVING JURISDICTION, TENANT'S ARCHITECT, INSURANCE REPRESENTATIVE, PROJECT OFFICE AND THE BBWI PROJECT MANAGER.
12. PROVIDE VALVED DRAIN WITH HOSE THREAD AT ALL LOW POINTS OR TRAPS IN SPRINKLER PIPING. IDENTIFY DRAIN VALVES IF ABOVE HARD CEILINGS WITH A SUITABLE CEILING MARKER AND PROVIDE ARCHITECT APPROVED METHOD FOR ACCESS AS REQUIRED.
13. COORDINATE SPRINKLER WORK WITH FIRE/ALARM CONTRACTOR WHERE THERE ARE FLOW AND TAMPER SWITCHES AND ALARM REQUIREMENTS.
14. SPRINKLER SYSTEM SHALL BE INTERFACED WITH BUILDING FIRE/LIFE SAFETY AND SMOKE EXHAUST SYSTEM IF REQUIRED. REFER TO LANDLORD TENANT CRITERIA AND REQUIREMENTS.
15. FURNISH AND INSTALL 10LB. TYPE "ABC" FIRE EXTINGUISHERS WITH CABINETS IF REQUIRED, AND AT LEAST A "4A-80B:C" RATED EXTINGUISHER. LOCATIONS ARE TO BE ESTABLISHED IN THE FIELD BY THE BBWI PROJECT MANAGER AND THE LOCAL FIRE PROTECTION OFFICIAL MAXIMUM TRAVEL DISTANCE BETWEEN EXTINGUISHERS SHALL BE 75 FEET OR LESS AS REQUIRED BY LOCAL CODES.

SECTION 220000: PLUMBING

A. SCOPE OF WORK

1. THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION AND FACILITIES NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL WORK FOR THE PLUMBING SYSTEMS AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
   a. COMPLETE SANITARY PIPING SYSTEMS OF WASTE, DRAINS, AND VENTS.
   b. COMPLETE COLD AND HOT WATER PIPING SYSTEMS, APPURTENANCES AND INSULATION.
   c. FIXTURES AND EQUIPMENT AS SCHEDULED.
   d. COMPLETE NATURAL GAS OR PROPANE PIPING SYSTEMS (AS APPLICABLE, REFER TO PLANS).
   e. CONDENSATE PIPING SYSTEMS (AS APPLICABLE, REFER TO PLANS).
   f. TESTS AND ADJUSTMENTS.
   g. SUBMIT A COMPLETE SET OF REPRODUCIBLE AS-BUILTS.
2. BEFORE STARTING WORK, THIS CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS TO SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF THE PLUMBING SYSTEM, MATERIALS, AND EQUIPMENT WITH OTHER CONTRACTORS TO AVOID INTERFERENCES AND CONFRONTATIONS.
3. ALL EXISTING WASTE LINES NEW OR OLD MUST UNDERGO A SEWER INTERIOR INSPECTION USING COLOR CLOSE CIRCUIT TELEVISION (CCTV) CAMERA A MINIMUM OF 30 PAST LEASE LINE IN ALL DIRECTIONS, DOCUMENT INSPECTION ON DVD WITH AUDIO LOCATION AND DATE INFORMATION, DVD TITLE INFORMATION AND CONTINUOUS TAPE COUNTER. PROVIDE HAR COPY OF ALL INSPECTION LOGS. DO NOT COMMENCE WORK OF SANITARY TIE IN PRIOR TO APPROVAL OF INSPECTION LOGS BY BBWI PROJECT MANAGER. ANY BLOCKAGE WITHIN 30' PERIMETER MUST BE CLEARED. CAMERA LENS MUST PROVIDE NOT LESS THAN 140 DEGREE VIEWING ANGLE WITH AUTOMATIC OR REMOTE FOCUS AND IRIS CONTROLS. POINTS OF INTEREST MAY INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: DEFECTS, CRACKS, VOIDS, CONNECTIONS, ENCRUSTATIONS, MINERAL DEPOSITS, DEPOSITS, DEBRIS, SEDIMENT, AND ANY LOCATION DETERMINED NOT TO BE CLEAN OR PART OF AN IMPROPER LINER INSTALLATION, AND ANY DEFECTS IN LINER THAT INCLUDE BUT ARE NOT LIMITED TO BUMPS, FOLDS, TEARS, AND DIMPLES.
4. RELOCATION OF EXISTING WATER, GAS, WASTE, VENT, OR DRAINAGE LINES TO FACILITATE STORE DESIGN CRITERIA MUST BE INCLUDED IN BID PROPOSAL.

B. EQUIPMENT AND INSTALLATION

1. REFER TO PLANS FOR SCHEDULES OF EQUIPMENT AND FIXTURES. AMERICAN STANDARD AND CRANE MAY BE CONSIDERED WITH APPROVAL FROM BBWI PROJECT MANAGER.
2. SANITARY PIPING
   a. PROVIDE ALL SANITARY WASTE, SEWERS, AND VENTS WITHIN THE PROJECT SPACE WITH CONNECTION TO THE EXISTING DRAINAGE SYSTEMS ON-SITE. SANITARY WASTE AND VENT PIPING ABOVE FLOOR SHALL BE HUBLESS CAST-IRON PIPE, FITTINGS AND CONNECTIONS. SANITARY WASTE AND VENT PIPING BELOW GRADE SHALL BE SCHEDULE 40 PVC PLASTIC PIPE WITH SOLVENT WELD FITTINGS, OR SERVICE-WEIGHT CAST-IRON WITH NEOPRENE GASKET JOINT SYSTEM. NO PVC PLASTIC PIPING ALLOWED WITHIN CEILING VOIDS USED FOR NON-DUCTED RETURN AIR PLENUM OR IN WALLS, EXCEPT IN CANADA WHERE XFR-PVC MAY BE USED IF PERMITTED BY THE AUTHORITY HAVING JURISDICTION. ALL DRAINAGE PIPING SHALL BE UNIFORMLY PITCHED, 1/4" PER FOOT FOR PIPE SIZES 3" AND SMALLER, 1/8" PER FOOT FOR PIPE SIZES 4" AND LARGER, UNLESS OTHERWISE REQUIRED BY EXISTING CONDITIONS, OR INDICATED ON THE DRAWINGS.
   b. INSULATE ALL HORIZONTAL RUNS OF PIPING LOCATED IN CEILING SPACES, WHEN APPLICABLE. INSULATION TO BE AS SPECIFIED FOR WATER PIPING.
   c. CONDENSATE PIPING SHALL BE TYPE 'L' DRAWN COPPER TUBE WITH 95-5 TIN-ANTIMONY SOLDERED JOINTS AND WROUGHT COPPER FITTINGS WITH DIELECTRIC SEPARATION BETWEEN DISSIMILAR METALS.
3. POTABLE WATER PIPING SHALL BE AS FOLLOWS:
   a. BELOW GRADE: TYPE 'K', ANNEALED TYPE TEMPERED COPPER TUBE FOR PIPE SIZES 2 INCHES AND SMALLER, BRAZE ALL JOINTS. (PROPRESS FITTINGS ARE NOT PERMITTED)
   b. ALL OTHER: TYPE 'L' DRAWN COPPER TUBE WITH WROUGHT COPPER FITTINGS AND 95-5 TIN-ANTIMONY SOLDER.
4. PIPING OF DISSIMILAR METALS MUST BE DIELECTRICALLY SEPARATED.
5. GENERALLY, SANITARY AND POTABLE WATER TAPS WILL BE PROVIDED BY THE LANDLORD. FIELD VERIFY EXACT CONNECTION POINTS PRIOR TO SUBMITTING BID. NOTIFY THE BBWI PROJECT MANAGER, IF CONDITIONS ARE NOT AS SHOWN ON THE PLANS OR AS STATED IN THE SPECIFICATIONS. CONTRACTOR MUST VERIFY THE OPERABILITY OF ENTIRE SYSTEM PRIOR TO TIE-IN AS FOLLOWS:
   a. SCOPE SANITARY TO LEASE LINE, SNAKE AS REQUIRED AND REPORT ANY BLOCKAGES.
   b. TEST WATER PRESSURE TO INSURE MINIMUM PSI MATCHES MOST DEMANDED BY EQUIPMENT SUPPLIED.
6. INSULATE ALL HOT WATER, COLD WATER AND CONDENSATE PIPING WITH 1" THICK (K=0.23 @ 75°F) PIPE INSULATION WITH AN ALL SERVICE JACKET. INSULATION AND JACKET TO MEET LOCAL CODES AND UL/ULC FLAME SPREAD AND SMOKE DEVELOPED RATINGS. WHERE LOCAL CODE IS MORE STRINGENT OR INSULATION VALUE OR FLAME AND SMOKE SPREAD COMPLY WITH LOCAL CODE.
7. INSULATE THE TRAP, SANITARY AND SUPPLY PIPES UNDER LAVATORY WITH 1/2" ARMSTRONG "ARMAFLEX" PIPING INSULATION OR TRUEBRO MODEL 102W "HANDI LAV GUARD" INSULATION KIT.
8. INSTALL ALL NECESSARY PIPE HANGERS, SADDLES, AND CARRIERS TO PROPERLY SUPPORT ALL PIPING AND FIXTURES. HANGERS SHALL SUIT TYPE OF PIPING PROVIDED AND BE SPACED AT A MAXIMUM SPAN OF 5 FEET. PROVIDE SWAY AND SEISMIC BRACING WHERE REQUIRED BY CODES.
9. STERILIZE WATER SYSTEM IN ACCORDANCE WITH LOCAL CODES.
10. CLEANOUTS AND FLOOR DRAINS SHALL BE INSTALLED PER LOCAL CODES. WALL COVERS ARE TO BE STAINLESS STEEL AND FLOOR COVERS ARE TO BE BRASS, UNLESS OTHERWISE SPECIFIED. PROVIDE FLOOR COVERS WITH INSET AREA FOR CARPETED LOCATIONS. ALL CLEANOUT LOCATIONS SHALL BE APPROVED BY THE BBWI PROJECT MANAGER.
11. ESCUTCHEONS SHALL BE CHROME PLATED, SIZE AS REQUIRED, AND PLACED AT ALL PIPE PENETRATIONS AT WALLS, FLOORS AND CEILINGS IN FINISHED AREAS.
12. LEAKAGE TESTS SHALL BE PER LOCAL CODES MINIMUM AS FOLLOWS:
   a. TEST WATER PIPING AT 100 PSIG FOR SIX HOURS.
   b. TEST DRAIN, WASTE, VENT PIPING BY A 10' WATER COLUMN FOR TWO HOURS.
13. FLASHING SHALL BE SEALED WATERTIGHT AND PERFORMED IN ACCORDANCE TO THE LANDLORD'S CRITERIA. USE A LANDLORD APPROVED ROOFING CONTRACTOR, WHERE APPLICABLE.
14. PROVIDE WATER METER AND REMOTE READER PER LANDLORD'S CRITERIA OR LOCAL UTILITIES REQUIREMENTS, IF APPLICABLE. REFER TO PLANS TO DETERMINE IF WATER METER IS REQUIRED.

C. GAS PIPING

1. FURNISH AND INSTALL A COMPLETE GAS PIPING SYSTEM, IF APPLICABLE. REFER TO PLANS TO DETERMINE IF A GAS SYSTEM IS REQUIRED.
2. GAS LINES SHALL BE BLACK STEEL, SCHEDULE 40, ASTM A-53, WITH MALLEABLE THREADED FITTINGS FOR 2" AND SMALLER, AND WITH WELDED JOINTS FOR 2-1/2" AND LARGER.
3. FURNISH AND INSTALL A GAS COCK, DRIP LEG AND UNION CONNECTION TO EACH PIECE OF EQUIPMENT.
4. SUPPORT PIPING AS REQUIRED BY CODE OR REQUIRED BY LANDLORD CRITERIA, WHICHEVER IS MORE STRINGENT.
5. GAS PIPING EXPOSED ON ROOF MUST BE PAINTED WITH RUST-INHIBITING PAINT.
6. GAS PIPING INSTALLED IN RETURN AIR PLENUMS SHALL BE SLEEVED AND VENTED, OR WELDED IN ACCORDANCE WITH THE LOCAL GAS COMPANY, LOCAL CODE, AND APPLICABLE NFPA/NFPAC 54 CODES.
7. TESTING AND PURGING OF GAS PIPING SHALL BE DONE PER THE REQUIREMENTS OF THE LOCAL GAS COMPANY, LOCAL CODES, AND APPLICABLE NFPA/NFPAC 54 CODES, UP TO FINAL CONNECTION POINT AT THE APPLIANCE.
8. CONTACT AND COORDINATE GAS SERVICE, METER AND REGULATOR REQUIREMENTS WITH THE LOCAL GAS COMPANY AND THE MALL'S OPERATIONS MANAGER PRIOR TO BID. INCLUDE INSTALLATION COST OF GAS METER AND REGULATOR IN BID.

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TBA
Thorson•Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 Ph.
Richfield, Ohio 44286 (330) 659-6675 Fax

PROFESSIONAL ENGINEER — NATHANIEL R. MARTIN — REGISTERED — 51970 — STATE OF OHIO

Bath&BodyWorks
Three Limited Parkway • Columbus, Ohio 43230
Telephone: 614.415.7000 • Fax: 614.415.7349

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PROJECT INFORMATION:
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BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
PUYALLUP, WA 98373
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PLUMBING AND FIRE PROTECTION SPECIFICATIONS

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