Walmart

SUPERCENTER REMODEL

PUYALLUP, WA
STORE NO.: 02403 - 254

EXISTING SQFT: 197,124
REMODELED SQFT: 30,000

PROTO CYCLE: 03/29/24
DATE: 05/10/24
PROTO: 192

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City of Puyallup Building REVIEWED FOR COMPLIANCE
SKinnear
10/03/2024 8:05:37 AM

City of Puyallup Development Engineering APPROVED
See permit conditions.
AHunt
09/25/2024 9:28:52 AM

City of Puyallup Planning Division APPROVED
See permit conditions.
RNBrown
09/20/2024 1:40:56 PM

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

Separate Electrical Permit is required with the Washington State Department of Labor & Industries.

https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections

or call for Licensing Information: 1-800-647-0982

The approved construction plans, documents, and all engineering must be posted on the job at all inspections in a visible and readily accessible location.

Full sized legible color plans are required to be provided by the permitee on site for inspection.

Calculations required to be provided by the Permittee on site for all Inspections

BUILDING CODE SUMMARY

	NAME OF PROJECT	02403-254 PUYALLUP, WA
	STREET ADDRESS	310 31ST AVE SE
	PROPOSED USE	RETAIL
CODES	BUILDING CODE	2021 IEBC, WORK AREA METHOD, LEVEL 2 ALTERATION
	ELECTRICAL CODE	2020 NEC
	PLUMBING CODE	2021 UPC
	MECHANICAL CODE	2021 IMC
	FIRE CODE	2021 IFC
	ACCESSIBILITY CODE	2017 ICC A 117.1
	ENERGY CODE	2021 WASHINGTON STATE ENERGY CODES
OCCUPANCY		M - MERCANTILE; WHOLESALE OR RETAIL STORE (MAIN OCCUPANCY) S1 - STORAGE AREA; RECEIVING AND STOCKROOMS (MIXED OCCUPANCY) A2 - ASSEMBLY USE; BREAKROOM AND FOOD TENANT (ACCESSORY TO MAIN OCCUPANCY) B - BUSINESS; NON FOOD TENANT (ACCESSORY TO MAIN OCCUPANCY)
TYPE OF CONSTRUCTION		V-B UNPROTECTED (SPRINKLERED)
ALLOWABLE AREA		UNLIMITED
FIRE PROTECTION		BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM AND IS SURROUNDED ON ALL SIDES BY 60 FEET MINIMUM OF PERMANENT OPEN SPACE. UNLIMITED AREA CRITERIA IS APPLICABLE.

SEPARATE PERMIT

- SIGNAGE
- ELECTRICAL PERMITS 1

DEFERRED SUBMITTALS

- FIRE ALARM
- LAMLITE CEILING FEATURE 2

VICINITY MAP



NORTH

GENERAL SCOPE OF WORK

- INTERIOR WALLS: CLEAN, PREP AND PAINT.
- PHARMACY: PAINT, FIX, AND CLEAN.
- PHOTO LAB: RELOCATE AND REMODEL.
- RESTROOMS: REMODEL EXISTING CUSTOMER RESTROOMS AND FAMILY RESTROOM, INSTALL FIXTURES, EQUIPMENT, AND FINISHES.
- COURTESY DESK: CLEAN, PREP AND PAINT.
- FLOORING: VCT CONVERSION AND PVC.
- GROCERY: REMOVE REFRIGERATED CASES AND EQUIPMENT. ADD REFRIGERATED CASES, EQUIPMENT, DIGITAL DISPLAYS AND FINISHES.
- ENTRY VESTIBULE: CLEAN AND PAINT.
- ROOF: ADD ROOF TOP EQUIPMENT.
- VISION CENTER: REMODEL.
- BREAKROOM: PAINT, FIX, AND CLEAN. ADD DOOR.

GENERAL NOTES

1. BUILDING IS FULLY SPRINKLERED AS REQUIRED BY CONTRACT DOCUMENTS
   - SUBMIT FIRE SPRINKLER SYSTEM DRAWINGS AND CALCULATIONS TO AUTHORITIES HAVING JURISDICTION (FIRE DEPARTMENT AND FIRE MARSHAL)
   - OBTAIN ALL APPROVALS PRIOR TO FABRICATION OR INSTALLATION
2. OWNER WILL PROVIDE, OR HAS ALREADY PROVIDED, FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10
   - AUTHORITY HAVING JURISDICTION WILL APPROVE FINAL FIRE EXTINGUISHER LOCATIONS.
3. WALMART'S ALARM CENTRAL'S ENGINEERING TEAM HAS CONTACTED THE AUTHORITY HAVING JURISDICTION FOR PRE-PLAN DATA ABOUT STATE AND LOCAL REQUIREMENTS THAT DIFFER FROM THE NATIONALLY PUBLISHED CODES AND STANDARDS
   - A COMPLETE SITE SPECIFIC SUBMITTAL IS BEING MADE DIRECTLY TO THE AUTHORITY HAVING JURISDICTION
   - QUESTIONS SHALL BE DIRECTED TO 1-800-530-9924, OPTION 3
4. THE MAXIMUM STORAGE HEIGHT IS TWELVE FEET EXCEPT IN THE GENERAL MERCHANDISE RECEIVING AREA IMMEDIATELY ADJACENT TO THE DOCK DOORS
   - THE STOCKROOM WILL HAVE A STACKING HEIGHT OF 15 FEET OF CLASS I-IV COMMODITIES IN FIXED, SINGLE AND DOUBLE ROW RACKS
   - THE STACKING HEIGHT OF THE ROLLING RACK AREA WILL NOT EXCEED 12 FEET
5. REINSTALL ALL FIRE EXTINGUISHERS IMMEDIATELY FOLLOWING COMPLETION OF FINAL FINISH TO MOUNTING SURFACE
6. REFER TO GENERAL CONTRACTOR PERMIT, REGISTRATION, NOTIFICATION INSPECTION AND INSTALLER CERTIFICATION(GCPRN) REPORT LOCATED IN GC PERMIT INFORMATION FOLDER ON OWNER'S DOCUMENT DELIVERY WEBSITE

ARCHITECTURAL	STRUCTURAL/RACKING	FIRE PROTECTION	PLUMBING	MECHANICAL	REFRIGERATION	ELECTRICAL	CIVIL	BUILDING OFFICIAL
BRR ARCHITECTURE, INC. ARCHITECT OF RECORD 8131 METCALF AVENUE, SUITE 300 OVERLAND PARK, KANSAS 66204	JOHNSTON BURKHOLDER ASSOCIATES ENGINEER OF RECORD 930 CENTRAL KANSAS CITY, MISSOURI 64105	TELGIAN ENGINEERING & CONSULTING ENGINEER OF RECORD 900 CIRCLE 75 PARKWAY SE SUITE 680 ATLANTA, GA 30339	HARGIS ENGINEERS, INC. BRIAN A. HAUGK 1201 THIRD AVE, SUITE 600 SEATTLE, WA 98101	HARGIS ENGINEERS, INC. BRIAN A. HAUGK 1201 THIRD AVE, SUITE 600 SEATTLE, WA 98101	HARGIS ENGINEERS, INC. BRIAN A. HAUGK 1201 THIRD AVE, SUITE 600 SEATTLE, WA 98101	HARGIS ENGINEERS, INC. ROBERT D. SMITH 1201 THIRD AVE, SUITE 600 SEATTLE, WA 98101	GALLOWAY & COMPANY BRANDON ALLEY 6162 S. WILLOW DRIVE, SUITE 320 GREENWOOD VILLAGE, CO 80111	CITY OF PUYALLUP BUILDING SERVICES & FIRE PREVENTION 333 S MERIDIAN, 2ND FLOOR PUYALLUP, WA, 98371

brr
ARCHITECT OF RECORD:
BRR ARCHITECTURE, INC
8131 METCALF AVENUE
SUITE 300
OVERLAND PARK, KS 66204
www.brrarch.com
TEL: 913-262-9095
FAX: 913-262-9044

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

STIPULATION FOR REUSE
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CONSULTANTS

Walmart
PUYALLUP, WA
310 31ST AVE SE
STORE NO: 02403 - 254
JOB NUMBER: 9654624 PROTO: 192

ISSUE BLOCK

1	PR #1	08/20/24
2	ADD #1	09/17/24

CHECKED BY: KJS EK
DRAWN BY: EP
PROTO CYCLE: 03/29/24
DOCUMENT DATE: 05/10/24

PRCTI20241053

13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
09/17/2024

COVER SHEET

SHEET: C1

PRCTI20241053

6/17/2024 12:31:00 PM

PRCTI20241053

RESPONSIBILITY MATRIX

THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE EASY ACCESS TO SOME OF THE IMPORTANT INFORMATION NEEDED FOR THIS PROJECT. THIS MATRIX IS NOT AN INCLUSIVE SCOPE OF WORK AND DOES NOT REPLACE THE REQUIREMENTS IDENTIFIED IN THE REST OF THE CONTRACT DOCUMENTS.

ITEM DESCRIPTION	FURNISHED BY	INSTALLED BY	COORDINATION TASK	CONTACT	PHONE AND EMAIL	LOCATION IN DOCUMENTS
RESTROOM PARTITION FIELD VERIFICATION TEMPLATE - SUBMISSION TO THE PRE-SELECTED SUPPLIER	GC	GC	GC - COMPLETE THE TEMPLATE AND RETURN EARLY TO ENSURE ON-TIME DELIVERIES OF PARTITIONS.	HJC	800-459-7099 WWW.HJCINC.COM/TPDEMS.PDF	SPECIFICATION 10160
SCENT SYSTEM	OWNER	OWNER (THIRD PARTY VENDOR)	COORDINATE INSTALL WITH OWNER SUPPLIED VENDOR AFTER RESTROOM ELECTRICAL WORK IS COMPLETE PER SPEC	PROLITEC, INC	MELISSA MAKER CUSTOMER CARE-DISPATCHER, PROLITEC, INC. 414.615.4602	SPECIFICATIONS APPENDIX A
SALVAGE PICKUP REFRIGERATION EQUIPMENT	N/A	N/A	PROPAK: 1. GC TO REMOVE REFRIGERATED EQUIPMENT. PROPAK TO DECOMMISSION EQUIPMENT AND REMOVE REFRIGERANT. 2. GC TO PALLETIZE EQUIPMENT AND CONTACT PROPAK FOR REMOVAL.	PROPAK	PROPAK CONTACT: DONALD PARTAIN - walmart@propak.com	SPEC SECT 02023
POWER FOR FUTURE SELF SERVICE PROPANE EXCHANGE	GC	GC	IF EXISTING 110V POWER IS NOT AVAILABLE ADD POWER AT EXISTING PROPANE STORAGE UNITS.	BLUE RHINO AMERIGAS	BLUE RHINO: DANNY THURMOND, (336) 608-1585, DTHURMOND@BLUERHINO.COM AMERIGAS: SAMANTHA.BURCKHARD, (510) 589-4575, SAMANTHA.BURCKHARD@AMERIGAS.COM.	E2
REPAIR OF SOLID SURFACE COUNTERS IN VISION CENTER	OWNER	GC	GC TO CONTACT LOCAL QUARTZ COUNTER PROVIDER FOR REPAIR	AUTHORIZED REPAIR REPRESENTATIVE FOR VERONA MARBLE	VERONA MARBLE COMPANY: 214-435-8553	SPECIFICATION 06616
REPLACE SCREW ANCHORED 4" X 32" SS BOLLARDS AT ENTRY SLIDING DOORS BEING UPDATED WITH RUBBER FLOOR AND AT EAS PEDESTALS BEING REPLACED AT EOL.	OWNER	GC	BOLLARDS INDICATED ON THE DRAWINGS WILL BE SHIPPED TO THE STORE FOR GC INSTALL. GC TO VERIFY WITH STORE PLANNER IF EAS PEDESTALS ARE TO BE REPLACED. TYCO IS RESPONSIBLE FOR EAS PEDESTAL REPLACEMENT. GC TO COORDINATE THE FOLLOWING ITEMS WITH TYCO: - INSTALLATION SCHEDULE WHEN EAS PEDESTALS ARE INSTALLED AT LOCATIONS WITH RUBBER FLOORING - VERIFY IF EXISTING CONDUIT IS SUFFICIENT WHEN PEDESTALS ARE TO BE INSTALLED	MCCUE CORPORATION (BOLLARDS) TYCO (EAS PEDESTALS)	MCCUE CORPORATION: KAITLYN THIBAULT, (800) 800-8503, KTHIBAULT@MCCUE.COM TYCO: DAVE KATZ, (561) 212-9932, david.katz@ci.com MARTY MANWILLER, (479) 295-6173, martin.manwiller@ci.com	SA1, A1, AND A5
SPILL STATION ATTACHMENTS	GC	GC	GC TO COORDINATE WITH IN-STORE AP MANAGER ON LOCATION OF WHERE TO ATTACH CLEAN/SPILL STATIONS WITHIN THE STORE	N/A	N/A	SA1 BID ALLOWANCE SCHEDULE
PLUMBING LINE JETTING AND CAMERA SCOPING FOR RESTROOM REFRESH PROJECTS	GC	GC	GC TO JET PLUMBING LINES AND CAMERA SCOPE PLUMBING LINES AFTER WORK IN RESTROOM AREA IS COMPLETE. THE PRIMARY PURPOSE OF SCOPING IS TO ENSURE PLUMBING LINES ARE FREE OF CONSTRUCTION RELATED DEBRIS AND OBSTRUCTIONS. ANY STRUCTURAL ISSUES IDENTIFIED DURING SCOPING TO BE ADDRESSED WITH WM CONSTRUCTION MANAGER.	N/A	N/A	P1.1
DIAMOND PLATE IMPACT PROTECTION	OWNER	GC	GC TO STORE DIAMOND PLATE INSTALLATION SCHEDULING WITH VENDOR. GC TO STORE DIAMOND PLATE ON SITE. THIRD PARTY WILL BE ON SITE 3 TO 6 DAYS FOR INSTALLATION TO BE PERFORMED WITHIN 3 WEEKS OF GRAND OPENING. THIRD PARTY TO REMOVE/DISPOSE OF ALL WASTE MATERIAL AFTER INSTALL.	CSF	CONCEPT STORE FIXTURES: ANDREA WHEELER, (817) 353-3229, AWHEELER@CONCEPTFIXTURES.COM	SPECIFICATIONS: SPEC SECTION 10260, APPENDIX A (SECTIONS 05500 & 10260)
			HIGH TRAFFIC AREAS VISIBLE TO CUSTOMERS: - 3RD PARTY TO ATTACHED DIAMOND PLATE AT BASE OF MILLWORK AND WALL USING ADHESIVE/CONTACT CEMENT - 3RD PARTY TO REMOVE EXISTING PLASTIC BASE IF REQUIRED - IF TOE KICK IS EXISTING, 3RD PARTY TO INFILL WITH CONTINUOUS WOOD BLOCKING FOR INSTALLATION OF DIAMOND PLATE BASE			A5, A6 SPECIFICATIONS: APPENDIX A (SECT 05500) AND SPEC SECT 05500
			REFRIGERATED CASE RAIL: - 3RD PARTY TO REMOVE EXISTING CASE PROTECTION RAIL AND CORNER GUARDS, FILL EXISTING ANCHOR HOLES AND INSTALL NEW DIAMOND PLATE RAIL PROTECTION SYSTEM			GA1, GA2 SPECIFICATIONS: APPENDIX A (SECT 10260)
			STEEL COLUMNS: - GC TO PAINT COLUMNS AS NOTED IN CONSTRUCTION DOCUMENTS - 3RD PARTY TO ADHERE DIAMOND PLATE WAINSCOT TO COLUMNS WITH ADHESIVE, USE H-SEAM TRIM AT SEAMS BETWEEN SHEETS. C CHANNEL TRIM AT TOP OF WAINSCOT, AND PROVIDE RIVETS FOR ADDED ATTACHMENT			A1 SPECIFICATIONS: APPENDIX A (SECT 05500) AND SPEC SECT 05500

brr

ARCHITECT OF RECORD:
BRR ARCHITECTURE, INC
9131 ARTCRAFT AVENUE
SUITE 300
OVERLAND PARK, KS 66204

www.brrarch.com

TEL: 913-262-9095
FAX: 913-262-9044

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STIPULATION FOR REUSE

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CONSULTANTS

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310 31ST AVE SE
STORE NO: 02403 - 254
JOB NUMBER: 9654624 PROTO: 192

ISSUE BLOCK

CHECKED BY: DMJ KJS EK
DRAWN BY: EP
PROTO CYCLE: 03/29/24
DOCUMENT DATE: 05/10/24

PRCTI20241053

13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
06/13/2024

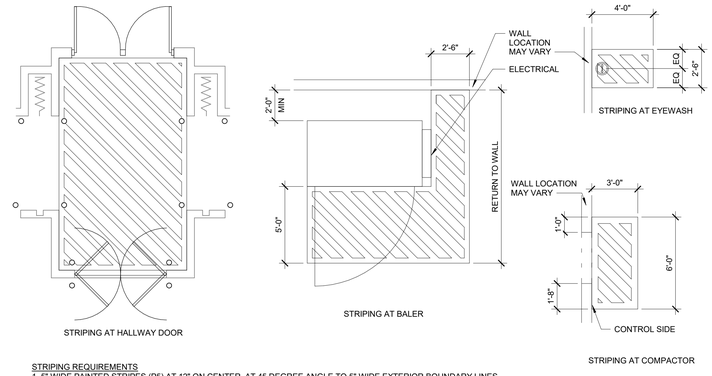
RESPONSIBILITY MATRIX

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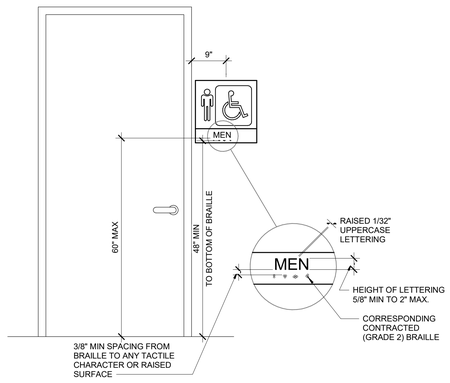
PRCTI20241053

STRIPING CONDITIONS



STRIPING REQUIREMENTS
1. 5" WIDE PAINTED STRIPES (P5) AT 12" ON CENTER, AT 45 DEGREE ANGLE TO 5" WIDE EXTERIOR BOUNDARY LINES
2. IF EXISTING HALLWAY, BALER, COMPACTOR, OR EYEWASH WARNING AREAS ARE PAINTED SOLID OR HAVE INCORRECT PATTERN, REMOVE EXISTING PAINT AND PAINT PER THE STRIPING CONDITIONS SHOWN HERE.

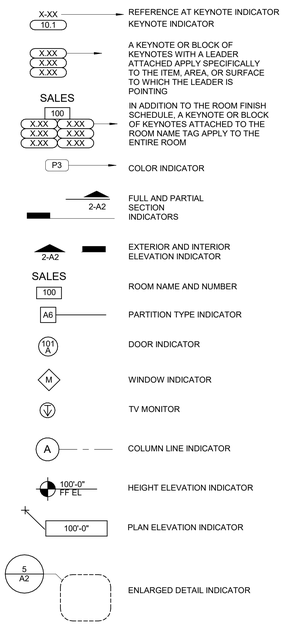
RESTROOM DOOR SYMBOLS



SIGNS AND IDENTIFICATION

1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH IN TITLE III AND AS SPECIFICALLY REQUIRED IN THIS SECTION.
2. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595C.
3. FOR CHARACTER PROPORTION, THE UPPERCASE LETTER "O" SHALL BE USED TO DETERMINE THE ALLOWABLE WIDTH OF ALL CHARACTERS OF A FONT. THE WIDTH OF THE UPPERCASE LETTER "O" OF THE FONT SHALL BE 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".
4. MINIMUM CHARACTER HEIGHT SHALL COMPLY WITH 2017 ICC A117.1 TABLE 703.2.4. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I". CHARACTER HEIGHT MEASURED FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" (16 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM.
5. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND.
6. WHEN RAISED CHARACTERS OR SYMBOLS ARE USED, THEY SHALL CONFORM TO THE FOLLOWING:
   A. CHARACTERS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS. RAISED LETTERS SHALL BE DUPLICATED IN BRAILLE.
   B. RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" HIGH AND 2" MAXIMUM BASED ON THE HEIGHT OF THE LETTER "I".
   C. PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD. PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6" MINIMUM. PICTOGRAMS AND THEIR FIELDS SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST THEIR FIELDS, WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD.
7. CONTRACTED (GRADE 2) BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED. DOTS SHALL BE 0.090" (2.3 MM) TO 0.100" (2.5 MM) ON CENTER IN EACH CELL WITH 0.241" (6.1 MM) TO 0.300" (7.6 MM) SPACE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS. DOTS SHALL BE RAISED A MINIMUM OF 0.025" (0.6 MM) TO 0.037" (0.9 MM) ABOVE THE BACKGROUND.
8. WHEN PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, RAISED LETTERS SHALL BE ACCOMPANIED BY BRAILLE. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES (1220 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASE OF THE LOWEST BRAILLE CELLS AND 60 INCHES (1525 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES (455 MM) MINIMUM BY 18 INCHES (455 MM) MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. EXCEPTION: SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.
9. SIGNS TO BE PROVIDED AT ALL PUBLIC MEN, WOMEN, FAMILY AND UNISEX RESTROOMS. ROOM NAME SHALL BE "RESTROOM" AT UNISEX TOILETS.

SYMBOLS LEGEND

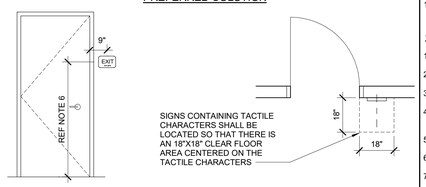


TACTILE EXIT SIGN

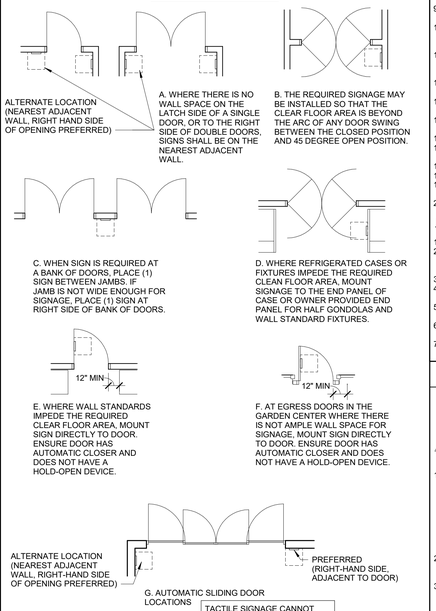
TACTILE SIGN REQUIREMENTS

1. A TACTILE SIGN STATING "EXIT" AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE. REF FLOOR PLANS FOR LOCATIONS.
2. FOR CHARACTER WIDTH, THE UPPERCASE LETTER "O" SHALL BE USED TO DETERMINE THE ALLOWABLE WIDTH OF ALL CHARACTERS OF A FONT. THE WIDTH OF THE UPPERCASE LETTER "O" OF THE FONT SHALL BE 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE "I" OF THE FONT. (ICC A117.1-2017: 703.3.6) CHARACTER HEIGHT MEASURED FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" (16 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".
3. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND.
4. CHARACTERS SHALL CONFORM TO THE FOLLOWING:
   4.a. LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.
   4.b. RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8" HIGH AND A MAXIMUM OF 2".
5. CONTRACTED GRADE 2 BRAILLE SHALL BE USED. DOTS SHALL BE 0.090" (2.3 MM) TO 0.100" (2.5 MM) ON CENTER IN EACH CELL WITH 0.241" (6.1 MM) TO 0.300" (7.6 MM) SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 0.025" (0.6MM) TO 0.037" (0.9 MM) ABOVE THE BACKGROUND.
6. CHARACTERS SHALL BE 48" MINIMUM ABOVE FINISH FLOOR MEASURED FROM THE BASE OF THE LOWEST BRAILLE CELLS AND 60" MAXIMUM ABOVE FINISH FLOOR MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.
7. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE ALONGSIDE THE DOOR AT THE LATCH SIDE. AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT-HAND DOOR. TACTILE SIGNS ARE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES. SEE ALTERNATE SOLUTIONS FOR OTHER SCENARIOS.

PREFERRED SOLUTION



ALTERNATE SOLUTIONS



SITE VERIFICATION REQUIREMENTS:

1. THE ARCHITECT HAS MADE A SCOPE VISIT WITH MEASUREMENTS AND PHOTOGRAPHS OF EXISTING CONDITIONS AND THE ARCHITECTURAL DRAWINGS INDICATE EXISTING CONDITIONS VERIFIED IN THE FIELD. IT REMAINS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE SUBMISSION OF A BID AND TO THE COMMENCEMENT OF ANY WORK. NO ADDITIONAL COMPENSATION WILL BE PAID DUE TO THE CONTRACTOR'S FAILURE TO VERIFY EXISTING SITE CONDITIONS WHICH INCLUDE, BUT ARE NOT LIMITED TO, GRADES, EXTENT OF PAVING, OR UTILITIES.
2. ANY DISCREPANCY WITH THE EXISTING SITE CONDITIONS AND/OR THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION AND INSTRUCTION. THESE CONSTRUCTION DOCUMENTS HAVE BEEN DESIGNED AND DRAWN ASSUMING EXISTING BUILDING CONDITIONS MATCH THE ORIGINAL DRAWINGS. THE GENERAL CONTRACTOR, IMMEDIATELY UPON ARRIVAL AT THE SITE, SHALL VERIFY ALL EXISTING STRUCTURAL COLUMN DIMENSIONS, STRUCTURAL BEARING HEIGHTS, EXISTING DIMENSIONS, TOP OF MASONRY ELEVATIONS, ROOFING CONDITIONS (INCLUDING PARAPETS, SCUPPERS AND ROOF DRAINS), AND JOIST BEARING ELEVATIONS PRIOR TO THE FABRICATION OF ANY STRUCTURAL ITEMS. IF DISCREPANCIES ARE FOUND BETWEEN WHAT IS SHOWN ON THE DRAWINGS AND EXISTING FIELD CONDITIONS, CONTACT THE WALMART CONSTRUCTION MANAGER AND THE ARCHITECT IMMEDIATELY TO DETERMINE WHAT ACTION SHOULD BE TAKEN TO MATCH EXISTING CONDITIONS. THE BEGINNING OF STRUCTURAL STEEL FABRICATION BY THE GENERAL CONTRACTOR, STEEL FABRICATOR, OR JOIST MANUFACTURER MEANS ACCEPTANCE OF THE EXISTING CONDITIONS.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES (WHETHER SHOWN OR NOT) PRIOR TO THE SUBMISSION OF A BID OR THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE WALMART CONSTRUCTION MANAGER OF THE DISCOVERY OF EXISTING UTILITIES NOT SHOWN OR NOTED ON DRAWINGS.
4. THE CONTRACTOR SHALL VERIFY AND MAINTAIN (REPAIR IF DAMAGED) EXISTING IRRIGATION SYSTEMS AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
5. THE CONTRACTOR SHALL FIELD LOCATE AND VERIFY ALL PROPERTY LINES, EASEMENTS, SETBACKS AND RESTRICTIONS. A REGISTERED SURVEYOR SHALL ESTABLISH ALL PROPERTY LINES AND SETBACKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND CLEARLY FLAG PROPERTY LINES AND SETBACKS. IT REMAINS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO DETERMINE EXACT LOCATION OF ALL SAID BOUNDARIES.
6. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DEPTHS OF UNDERGROUND UTILITY SERVICES PRIOR TO ANY EXCAVATION.
7. THE CONTRACTOR SHALL VERIFY ALL GRADES AND PROPOSED FINAL GRADES. IF RAMPS, STOOPS, STAIRS, SIDEWALKS, FLATWORK OR PAVING ARE INSTALLED, VERIFY FINAL GRADES SURROUNDING THE CONSTRUCTION AND ADJUST STAIR RISERS, RAMP LENGTHS, LIMITS OF PAVING, ETC., TO ACCOMMODATE THE REQUIRED RAMP SLOPE, RISER HEIGHTS OR PAVING AREAS. ALL RAMPS AND STAIRS SHALL MEET ADA-ADAAGS (OR ADOPTED HANDICAP ACCESSIBILITY REQUIREMENTS). IF THERE IS A CONFLICT IN FIELD CONDITIONS, NOTIFY WALMART CONSTRUCTION MANAGER AND THE ARCHITECT PRIOR TO THE CONSTRUCTION OR ORDERING OF MATERIALS.
8. THE CONTRACTOR SHALL VERIFY THE EXISTING FINISH FLOOR ELEVATION AT ALL OPENINGS OF THE EXISTING BUILDING PRIOR TO ESTABLISHING THE FINISH FLOOR ELEVATION. TO VERIFY FLOOR ELEVATION, THE CONTRACTOR SHALL REMOVE A SMALL PORTION OF THE BLOCK WALL AT THE PROPOSED OPENING BETWEEN THE EXISTING STORE AND THE ADDITION.
9. THE CONTRACTOR SHALL VERIFY EXISTING FOOTING DEPTHS AND MATCH AT ADDITION TO INSURE PROPER BLOCK COURSING. ANY DISCREPANCY SHALL BE REPORTED TO THE WALMART CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR SHALL CORE THE ROOF INSULATION TO DETERMINE ITS THICKNESS AFTER CONTRACT AWARD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MATCH EXISTING ROOF INSULATION THICKNESS ON THE ADDITION UNLESS DIRECTED OTHERWISE TO INSTALL 3-INCH INSULATION IN SEPARATED AND ISOLATED ROOF CONDITIONS. REFER TO ROOFING SPECIFICATION SECTION.
11. REPORT ANY DISCREPANCIES FOUND IN THE FIELD IMMEDIATELY TO WALMART AND THE ARCHITECT PRIOR TO MAKING ANY STRUCTURAL MODIFICATIONS OR ORDERING OF ANY MATERIALS.

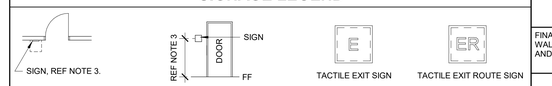
GENERAL CONSTRUCTION REQUIREMENTS:

1. ALL WORK SHALL BE DONE IN A SAFE AND WORKMANLIKE MANNER AND IN STRICT ACCORDANCE WITH THE LOCAL AND/OR STATE (IF APPLICABLE) BUILDING CODES, NATIONAL ELECTRIC CODE, ADA-ADAAG AND OTHER ADOPTED ACCESSIBILITY STANDARDS, OSHA, AND ALL APPLICABLE CODES, REGULATIONS, ORDINANCES AND AUTHORITIES HAVING JURISDICTION (AHJ).
2. PROVISIONS REGARDING THE USE OF GAS AND DIESEL EQUIPMENT WITHIN AN ENCLOSED BUILDING, FORMERLY INCLUDED IN THIS PARAGRAPH, ARE NOW INCLUDED IN SECTION 01351 - REGULATORY COMPLIANCE
3. PROVISIONS REGARDING CORDS FOR ELECTRICAL EQUIPMENT AND ROUTING OF EQUIPMENT CORDS AND HOSES, FORMERLY INCLUDED IN THIS PARAGRAPH, ARE NOW INCLUDED IN SECTION 01351 - REGULATORY COMPLIANCE
4. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO REVIEW THESE DOCUMENTS DOES NOT RELIEVE THE SUBCONTRACTOR OF ANY RESPONSIBILITY FOR PERFORMING WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.
5. THE EXISTING BUILDING SHALL BE PROTECTED FROM MOISTURE, DUST AND DEBRIS. INSTALL DUST PARTITIONS OR DRAPES AS REQUIRED AND/OR AS DIRECTED BY WALMART CONSTRUCTION MANAGER TO KEEP DUST AND MOISTURE FROM THE OPERATING AREAS OF THE STORE.
6. ANY DAMAGE TO WALMART'S PROPERTY, WHICH OCCURS DURING THE PROCESS OF CONSTRUCTION SHALL BE REPAIRED/REPLACED AT NO ADDITIONAL COST TO WALMART; THIS INCLUDES ALL MERCHANDISE. CONTRACTOR SHALL PAY THE COST FOR ALL DAMAGED MERCHANDISE.
7. THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE EXISTING BUILDING SECURITY AT ALL TIMES. THIS INCLUDES KEEPING THE BUILDING SECURE FROM PERSONS, ENVIRONMENTAL ELEMENTS OR HAZARDS. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE INTEGRITY OF ALL EXISTING SECURITY SYSTEMS. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE STORE MANAGER PRIOR TO THE MODIFICATION OF ANY EXISTING SECURITY SYSTEM FOR THE OPENING (DEMOLITION) OF ANY EXTERIOR WALL.
8. THE CONTRACTOR SHALL KEEP THE WORK AREA CLEAN AND FREE OF DEBRIS AND REMOVE ALL TRASH AND DEBRIS FROM THE CONSTRUCTION AREA DAILY. NO FLAMMABLE MATERIALS OR LIQUIDS MAY BE STORED IN THE EXISTING BUILDING OR IN ANY ADDITION.
9. REMOVE ANY EXISTING EQUIPMENT, FIXTURES, FURNISHINGS, ACCESSORIES, SERVICES, SIGNAGE, FINISHES OR SURFACES AS REQUIRED SHOWN OR NOT SHOWN, FOR THE INSTALLATION OF CONSTRUCTION. PROVIDE FURRING FOR CONDUITS AND PIPING, SHOWN OR NOT, AND FINISH OUT FURRING TO MATCH ADJACENT EXISTING FINISHES.
10. REPAIR, RE-ROUTE, AND EXTEND ALL SERVICES, PIPING, CONDUIT OF EXISTING ITEMS AND EQUIPMENT AS REQUIRED DURING THE CONSTRUCTION PROCESS TO MAINTAIN NORMAL STORE OPERATIONS AND AS REQUIRED FOR THE INSTALLATION OF CONSTRUCTION. THIS INCLUDES ALL ITEMS SHOWN OR NOT SHOWN ON THE DRAWINGS. RESET EXISTING EQUIPMENT, FIXTURES, FURNISHINGS, ACCESSORIES OR RELATED ITEMS, INCLUDING SIGNAGE, AS REQUIRED FOR PROPER OPERATION.
11. WHEN EQUIPMENT, FIXTURES, FURNISHINGS, ACCESSORIES, SERVICES, FINISHES OR SURFACES ARE TEMPORARILY REMOVED OR RELOCATED IN ORDER TO PERFORM WORK, THE CONTRACTOR IS RESPONSIBLE FOR RETURNING THEM TO THEIR ORIGINAL POSITION, RECONNECTION OF SERVICES AND APPROPRIATE MEANS OF ATTACHMENT UNLESS SPECIFICALLY DIRECTED TO DO OTHERWISE.
12. WHERE EXISTING FINISHES ARE TO REMAIN, CLEAN, REPAIR, PATCH AND REPAINT AS NECESSARY TO BLEND IN WITH ADJACENT WORK. COORDINATE WITH WALMART CONSTRUCTION MANAGER
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIMELY ORDERING OF MATERIALS TO PROHIBIT DELAYS OF THE CONSTRUCTION SCHEDULE OF THIS PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE DELIVERY OF MATERIALS IN A TIMELY MANNER.
14. IT IS IMPERATIVE THAT THE ROOF FRAMING, DECKING AND ROOFING SYSTEM BE COMPLETED IMMEDIATELY UPON THE DEMOLITION OF THE EXTERIOR WALL TO ELIMINATE POTENTIAL WATER DAMAGE OR MOISTURE INFILTRATION. THE CONTRACTOR SHALL KEEP THE BUILDING WATERTIGHT AT ALL TIMES.
15. THE GENERAL CONTRACTOR SHALL RESPOND TO ALL REQUIREMENTS OF THE STRUCTURAL ENGINEER/ARCHITECT FOR VERIFICATIONS, RESPONSES, AND SUBMISSIONS.
16. IF MODIFICATION TO SPRINKLER SYSTEM IS REQUIRED THE GENERAL CONTRACTOR SHALL HIRE A LICENSED SPRINKLER CONTRACTOR. CONTRACTOR TO SUBMIT SIGNED AND SEALED SPRINKLER DRAWINGS FOR APPROVAL PRIOR TO ANY ALTERATION OF THE AUTOMATIC SPRINKLER SYSTEM. WORK TO BE DONE UNDER SEPARATE PERMIT.
17. ALL ADJACENT BUILDINGS (IF APPLICABLE) SHALL REMAIN IN SERVICE DURING DEMOLITION/CONSTRUCTION.
18. MUD AND DEBRIS TRACKED ONTO OWNER PAVING OR CITY STREETS TO BE CLEANED IMMEDIATELY.
19. BUILDING COMPONENTS AFFECTED BY THE SCOPE OF WORK AND ALLOWED TO REMAIN SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
20. DO NOT UTILIZE WALMART DRAINS WHEN CLEANING TOOLS/EQUIPMENT AND/OR DISPOSING OF CONSTRUCTION DEBRIS.

DEMOLITION REQUIREMENTS:

1. ALL DEMOLITION SHALL BE CARRIED OUT IN A SAFE MANNER AND IN STRICT ACCORDANCE WITH OSHA REGULATIONS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION. THE WORK INCLUDES, BUT IS NOT LIMITED TO, THE DEMOLITION AND REMOVAL OF WALLS, DOORS, FIXTURES, PLUMBING, PAVING, MECHANICAL AND ELECTRICAL ITEMS INCLUDING CONDUITS AND DUCTWORK AS SHOWN ON DRAWING OR AS REQUIRED FOR THE INSTALLATION OF THE WORK FOR A COMPLETE JOB.
3. WHEN UTILITIES ARE REMOVED, CAP AND SEAL A MINIMUM OF 8" BELOW FINISH FLOOR OR A MINIMUM OF 6" ABOVE FINISH CEILING.
4. WHEN REMOVING EXISTING STRUCTURAL ITEMS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING, BRACING AND SUPPORT SYSTEMS TO KEEP THE EXISTING STRUCTURE INTACT AND IN A SAFE CONDITION. REFER TO SECTIONS 02023 AND 02251.
5. THE CONTRACTOR MAY NOT REMOVE THE BLOCK WALL IN A PROPOSED OPENING PRIOR TO THE ROOFING SYSTEM OVER THE ADDITION BEING MADE WATERTIGHT. COORDINATE WITH THE WALMART CONSTRUCTION MANAGER AND THE STORE MANAGER TO SCHEDULE FOR DEMOLITION FOR OPENINGS.
6. THE CONTRACTOR SHALL REMOVE ANY BUILDING SIGNAGE THAT INTERFERES WITH THE BUILDING ADDITION. WALMART WILL REINSTALL SIGNAGE OR ADD SIGNAGE AT COMPLETION OF ADDITION.
7. NOTES INDICATING DEMOLITION WORK ARE NOT CONFINED SOLELY TO THE DEMOLITION PLANS. THE GENERAL CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS, INCLUSIVE OF SCHEDULES AND SPECIFICATIONS, TO DETERMINE FULL EXTENT OF DEMOLITION WORK.

SIGNAGE LEGEND



1. REQUIRED ACCESSIBLE ELEMENTS SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AT THE FOLLOWING LOCATIONS:
   A. ACCESSIBLE ENTRANCES WHERE NOT ALL ENTRANCES ARE ACCESSIBLE
   B. ACCESSIBLE ROOMS WHERE MULTIPLE SINGLE-USER TOILETS ARE CLUSTERED AT A SINGLE LOCATION
   C. ACCESSIBLE CHECK-OUT AISLES WHERE NOT ALL AISLES ARE ACCESSIBLE. THE SIGN, WHERE PROVIDED, SHALL BE ABOVE THE CHECK-OUT AISLE IN THE SAME LOCATION AS THE CHECK-OUT AISLE NUMBER OR TYPE OF CHECK-OUT IDENTIFICATION
   D. UNISEX TOILET AND BATHING ROOMS
   E. ACCESSIBLE DRESSING, FITTING AND LOCKER ROOMS WHERE NOT ALL SUCH ROOMS ARE ACCESSIBLE
2. DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE NEAREST LIKE ACCESSIBLE ELEMENT SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS. THESE DIRECTIONAL SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY:
   A. AT EACH SEPARATE-SEX TOILET INDICATING THE LOCATION OF THE NEAREST UNISEX TOILET.
3. TACTILE SIGNAGE SHALL BE LOCATED 48 INCHES (1220 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASE OF THE LOWEST BRAILLE CELLS AND 60 INCHES (1525 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES (455 MM) MINIMUM BY 18 INCHES (455 MM) MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. EXCEPTION: SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.
4. CHARACTER AND SYMBOLS OF SIGNS SHALL BE IN CONTRAST WITH THEIR BACKGROUND AND SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE MATERIALS OR FINISHES.
5. ACCESSIBLE SIGNAGE SHALL USE GRADE 2 BRAILLE AND MUST COMPLY WITH ICC A117.1 SECTION 703.4 OR ADA SECTION 703.3.

INSECT CONTROL UNIT LEGEND

FINAL NUMBER OF UNITS RECEIVED IS DETERMINED BY WALMART FOOD SAFETY AND HEALTH PEST MANAGEMENT AND PEST ELIMINATION SERVICES PROVIDER

TYPE	TOTAL	
D	1	D

NOTES:
1. ALL UNITS TO BE INSTALLED BY PEST ELIMINATION SERVICES PROVIDER
2. UNITS ARE NOT TO BE INSTALLED ABOVE ANY FOOD SERVICE/PREP EQUIPMENT
3. UNITS ARE TO BE INSTALLED (INDICATED WITH BROWN RECEPTACLES AND COVERS) AS INSTRUCTED WITHIN THE CONSTRUCTION DOCUMENTS. REFERENCE ARCHITECTURAL AND ELEC DRAWINGS FOR PROPER LOCATION

ABBREVIATION LEGEND

GENERAL ABBREVIATIONS

ABBREVIATION	DESCRIPTION
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT

PRCTI20241053

BID ALLOWANCE SCHEDULE

THE QUANTITIES PROVIDED BELOW ARE FOR PRELIMINARY ESTIMATING/BIDDING PURPOSES ONLY.

ITEM DESCRIPTION	QTY	ADDITIONAL NOTES	SHEET REFERENCE
CART CORRALS	13 CORRALS		SP1
DUST WALL	20 LF	TENANT SPACE	D1
	180 LF	REFRIGERATED CASES	
GONDOLA SHELVES	32 SHELVES		A1
CASH WRAPS	31		A1
PIPE INSULATION	24 LF		A1
CLEAN/SPILL STATION ATTACHMENTS	5	COLUMN ATTACHMENT - MOUNTING BRACKET W/ (2) STEEL SELF DRILLING #10 x 1" TEK SCREWS. DRYWALL ATTACHMENT - MOUNTING BRACKET W/ (2) #10 x 1" WOOD SCREWS. INSTALL 2x6 WOOD BLOCKING at 4' TO CENTER AFF	C2
WALL FINISH	100 SF	GYP - SALES FLOOR (CUSTOMER VISIBLE AREAS)	A1
	100 SF	FRP - GROCERY SERVICE (CUSTOMER VISIBLE AREAS)	A1
	100 SF	TILE - GROCERY SERVICE (CUSTOMER VISIBLE AREAS)	A1
	25 LF	BASE - GROCERY SERVICE (CUSTOMER VISIBLE AREAS)	A1
FLOOR FINISH	180 SF	TILE AND/OR EPOXY - GROCERY SERVICE / PREP AREAS	A1
BOLT HOLES/ SPALLS TO REPAIR	120		A1.1
CEILING	---	REF SA1 CEILING SCHEDULE	

CEILING SCHEDULE

FULL CEILING TILE REPLACEMENT, UNO
CLEAN AND PAINT (P8) CEILING GRID PER SPECS IN ALL AREAS REQUIRING CEILING TILE REPLACEMENT

	CEILING TILE REPLACEMENT AREAS	QUANTITY OF TILES
SALES	SALES - 8 TILES AT EACH SUPPLY AND RETURN GRILLE 72 TILES FOR CAMERA UPDATES (REQUIRES SCOPE TO IDENTIFY ADDITIONAL REPLACEMENT. COORDINATE WITH PM)	736
	CHECKOUTS - REPLACE LENGTH OF REGISTERS X 28 FEET OUT FROM FRONT TENANT WALL (REQUIRES SCOPE TO IDENTIFY ADDITIONAL REPLACEMENT. COORDINATE WITH PM)	6,848
	ELECTRONICS (COORDINATE WITH MEP FOR NUMBER OF TILES THAT WILL BE IMPACTED BY ADDITION/RELOCATION OF POWER POLES, REVISIONS TO LIGHTING OR REVISIONS TO HVAC AND ADD TO QUANTITY OF 8) (REQUIRES SCOPE TO IDENTIFY ADDITIONAL REPLACEMENT. COORDINATE WITH PM)	14
NON SALES AREA	OFFICES AND ALCOVES	---
	CASH (TYP GYP CLG)	N/A
	COUNTING (TYP GYP CLG)	N/A
	AD OFFICE	23
	ASSISTANT MANAGER'S OFFICE	28
	TRAINING	66
	MANAGEMENT OFFICE	51
	UPC	13
	INVOICING	26
	UPS	9
	ALCOVES	
	COURTESY DESK (INCLUDING RETURN STORAGE)	71
	VISION CENTER (SALES, WAITING AND OFFICES / EXAM ROOMS)	359
	RESTROOMS (TYP GYP CLG)	N/A
	SITE TO STORE	37
	BREAKROOM	134
	DELI/ BAKERY SERVICE & PREP AREAS	475
	PHARMACY	86
	ALL OTHER ROOMS	ETR (UNO)
CEILING CLEANING		
ALL CEILING TYPES	REFERENCE SPECS	

brr

ARCHITECT OF RECORD:
BRR ARCHITECTURE, INC
9101 ARCALY AVENUE
SUITE 300
OVERLAND PARK, KS 66204

www.brrarch.com

TEL: 913-262-9095
FAX: 913-262-9044

City of Puyallup
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STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THIS PROJECT ONLY AND SHALL NOT BE USED IN CONFORMANCE WITH ITS ISSUE DATE AND REVISION DATE. IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT AND SHALL NOT BE USED AS PART OF THIS DRAWING FOR REFERENCE OR BIDDING PURPOSES ON ANY PROJECT. REQUIRES THE SERVICES OF PROPERLY QUALIFIED PROFESSIONALS FOR PROPER INTERPRETATION OF THIS DRAWING FOR REPRODUCTION OF THIS DRAWING FOR ANY PURPOSE WHATSOEVER IS PROHIBITED AND MAY BE CONTRARY TO THE LAW.

CONSULTANTS

Walmart :

PUYALLUP, WA
310 31ST AVE SE
STORE NO: 02403 - 254

JOB NUMBER: 9654624 PROTO: 192

ISSUE BLOCK

CHECKED BY: DMJ KJS EK
DRAWN BY: EP
PROTO CYCLE: 03/29/24
DOCUMENT DATE: 05/10/24

PRCTI20241053

13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
06/13/2024

SCHEDULES AND ALLOWANCES

SHEET:
SA1

6/6/2024 4:30:44 PM

PRCTI20241053

3302.1 ALTERATIONS, REPAIRS AND ADDITIONS. REQUIRED EXITS, EXISTING STRUCTURAL ELEMENTS, FIRE PROTECTION DEVICES AND SANITARY SAFEGUARDS SHALL BE MAINTAINED AT ALL TIMES DURING ALTERATIONS, REPAIRS OR ADDITIONS TO ANY BUILDING OR STRUCTURE.

EXCEPTIONS:

1.WHERE SUCH REQUIRED ELEMENTS OR DEVICES ARE BEING ALTERED OR REPAIRED, ADEQUATE SUBSTITUTE PROVISIONS SHALL BE MADE.

2.MAINTENANCE OF SUCH ELEMENTS AND DEVICES IS NOT REQUIRED WHERE THE EXISTING BUILDING IS NOT OCCUPIED.

THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING THAT EXIT ACCESS AND EXITING CAPACITY WILL BE MAINTAINED IN A CODE COMPLIANT MANNER WHILE WORK IS BEING PERFORMED ON SITE. COORDINATION WILL BE REQUIRED WITH THE STORE MANAGER AND CLIENT CONSTRUCTION MANAGER, TO ENSURE CUSTOMER AND ASSOCIATE SAFETY IN THE EVENT OF AN EMERGENCY.

OCCUPANCY COLOR LEGEND
A2 - ASSEMBLY
A3 - TRAINING
B - BUSINESS
F1 - KITCHEN
M - INSIDE SEASONAL
M - MERCANTILE
M - OUTSIDE SEASONAL
S1 - STORAGE

DISTANCE OF TRAVEL

SPRINKLERED 250'

OCCUPANCY LOAD CALCULATIONS:

A2 - ASSEMBLY:	1,075	SF/	15 =	72
A3 - TRAINING:	531	SF/	15 =	36
B - BUSINESS:	2,836	SF/	150 =	19
F1 - KITCHEN:	3,380	SF/	200 =	17
M - INSIDE SEASONAL:	3,518	SF/	60 =	59
M - MERCANTILE:	149,544	SF/	60 =	2,492
M - OUTSIDE SEASONAL:	19,161	SF/	60 =	319
S1 - STORAGE:	34,550	SF/	300 =	115
TOTAL OCCUPANCY LOAD				3,129

EGRESS WIDTH REQUIRED:

EGRESS INCHES REQUIRED 0.2 INCHES PER PERSON SERVED

MINIMUM CLEAR WIDTH =
- 33" FOR 3'-0" DOOR OPENING
- 45" FOR 4'-0" DOOR OPENING
- 129" FOR 12'-0" BANK OF SLIDERS

EGRESS WIDTH REQUIRED (INCHES) EQUALS:
(AREA OCCUPANT LOAD) X (EGRESS WIDTH PER PERSON SERVED)

INSIDE SEASONAL/MERCANTILE/OUTSIDE SEASONAL:

(59+2,492+319) = 2,870	OCCUPANTS	X	0.2 =	574	INCHES REQUIRED
2	3'-0" DOORS	X	33 =	66	INCHES PROVIDED
5	6'-0" DOORS	X	66 =	330	INCHES PROVIDED
5	8'-0" DOORS	X	88 =	440	INCHES PROVIDED
	VESTIBULE A		=	176	INCHES PROVIDED
	VESTIBULE B		=	176	INCHES PROVIDED
	TOTAL INCHES PROVIDED		=	1,188	INCHES PROVIDED

ASSEMBLY/TRAINING/BUSINESS/KITCHEN/STORAGE:

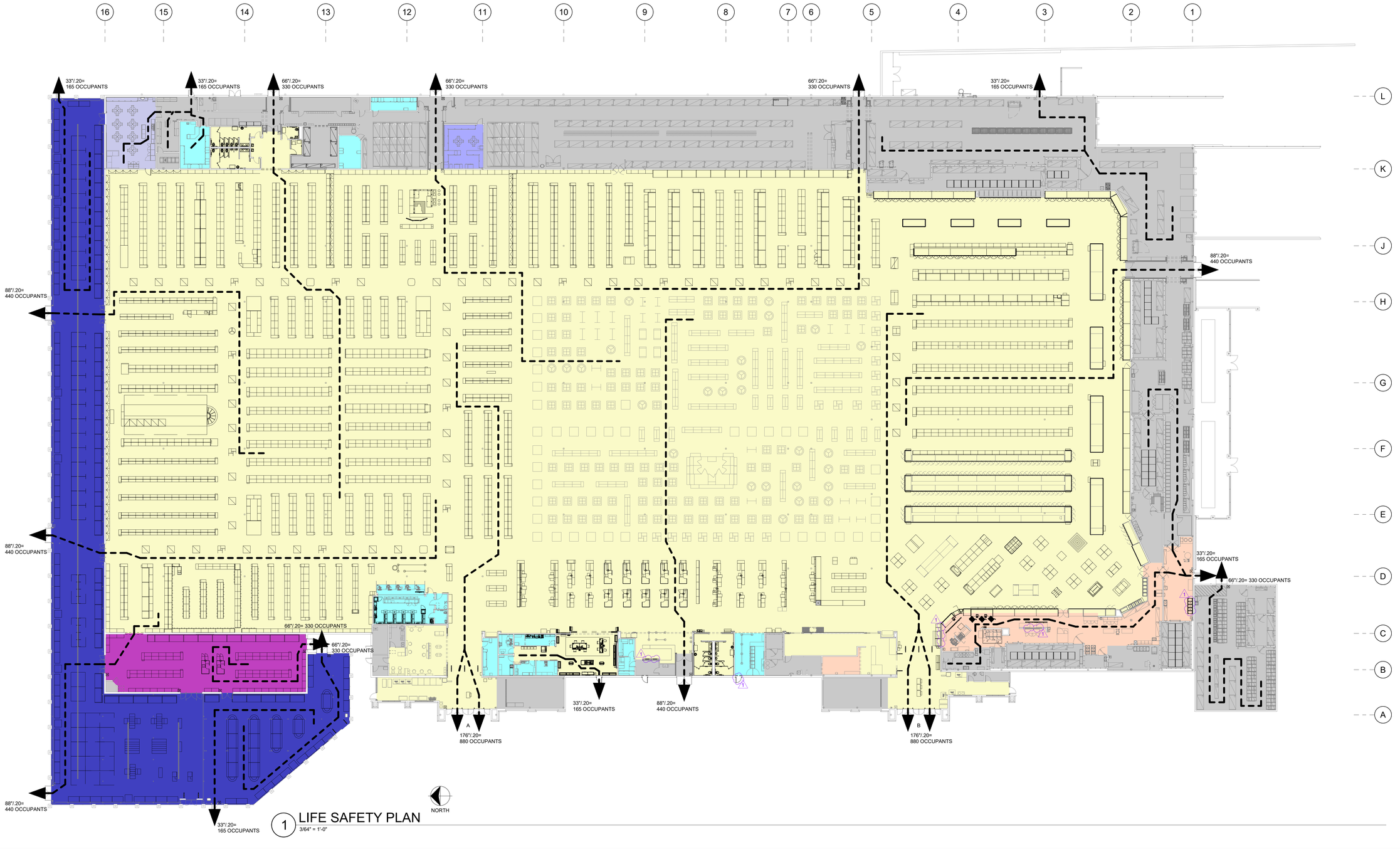
(72+36+19+17+115) = 259	OCCUPANTS	X	0.2 =	52	INCHES REQUIRED
4	3'-0" DOORS	X	33 =	132	INCHES PROVIDED
1	6'-0" DOORS	X	66 =	66	INCHES PROVIDED
	TOTAL INCHES PROVIDED		=	198	INCHES PROVIDED

TOTAL:

3,129	OCCUPANTS	X	0.2 =	626	INCHES REQUIRED
6	3'-0" DOORS	X	33 =	198	INCHES PROVIDED
6	6'-0" DOORS	X	66 =	396	INCHES PROVIDED
5	8'-0" DOORS	X	88 =	440	INCHES PROVIDED
	VESTIBULE A		=	176	INCHES PROVIDED
	VESTIBULE B		=	176	INCHES PROVIDED
	TOTAL INCHES PROVIDED		=	1,386	TOTAL INCHES PROVIDED

SHEET NOTES

1. MAINTAIN A MINIMUM OF 3'-0" AISLE WIDTH ON THE SALES FLOOR WHERE MERCHANDISE OR OTHER OBSTRUCTIONS ARE PLACED ON ONE SIDE OF THE AISLE, AND 2'-6" AISLE WIDTH WHEN SUCH OBSTRUCTIONS ARE PLACED ON BOTH SIDES OF THE AISLE.
2. ALL EXIT SIGNS AND EMERGENCY LIGHTS ARE SHOWN ON SHEET E1, (SYMBOL LEGEND ON E3), AND WILL BE SUBJECT TO INSPECTION FROM THE FIRE MARSHAL HAVING AUTHORITY PRIOR TO FINAL APPROVALS.
3. 250' MAX. TRAVEL DISTANCE IS SHOWN AS A DASHED LINE.
4. REF N1 FOR TACTILE EXIT SIGNAGE.



1 LIFE SAFETY PLAN
3/64" = 1'-0"

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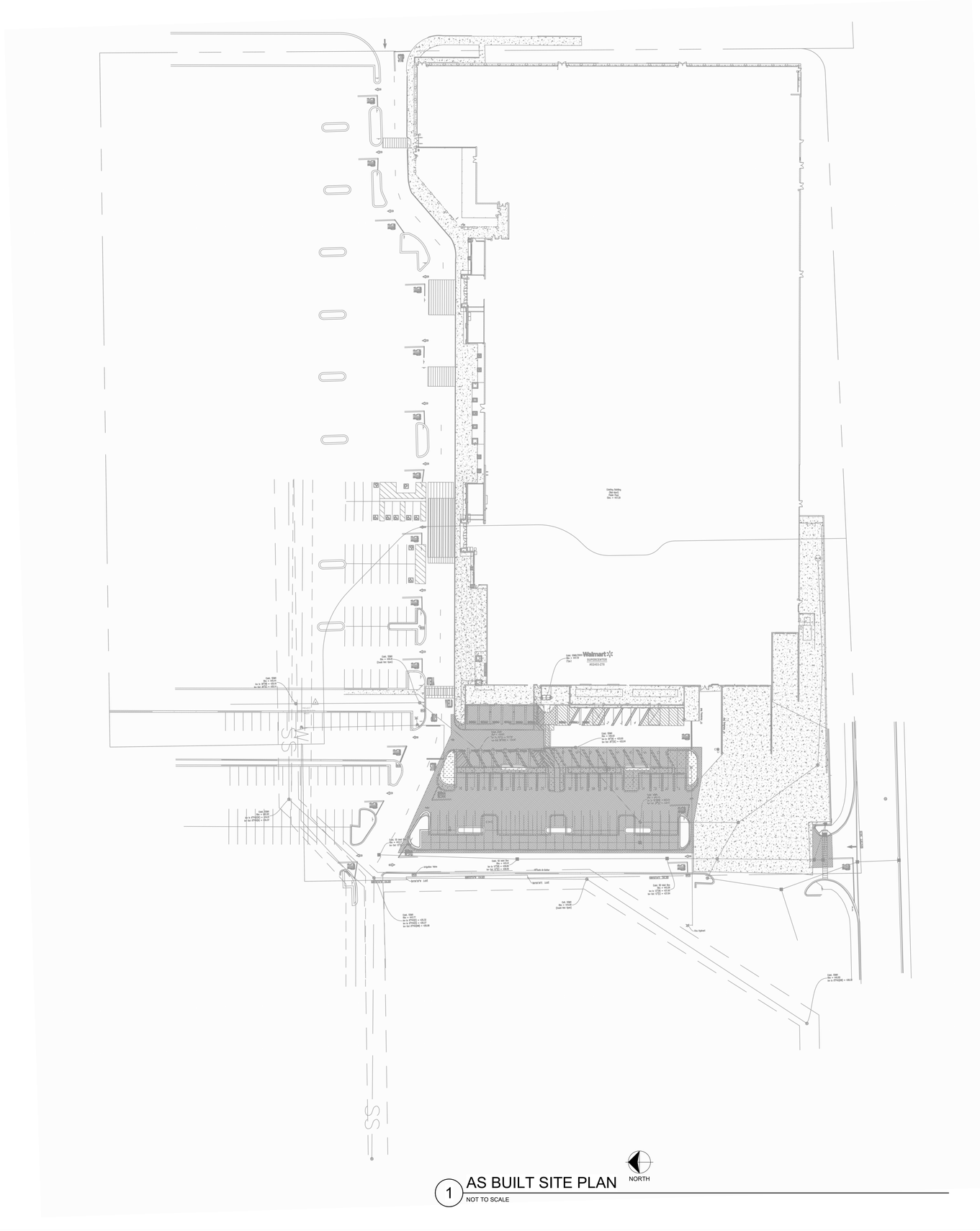
13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
09/06/2024

LIFE SAFETY PLAN

SHEET: LS1

5/28/2024 2:15:09 PM

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1 AS BUILT SITE PLAN
NOT TO SCALE

NORTH

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AS-BUILT SITE PLAN

SHEET: SP1

5/8/2024 4:29:47 PM

PRCTI20241053

SITE SHEET NOTES

1. PREP AND PAINT ALL EXTERIOR LIGHT POLE BASES AND ALL BOLLARDS P5E, UNO
2. POWER WASH SIDEWALK AT FRONT OF BUILDING, AUTO CARE CENTER, AND ONLINE PICKUP DELIVERY
3. FILL RECESSED CONCRETE AT FENCE AND SHADE CLOTH CORE DRILLED POST BASES WITH REPAIR MORTAR SYSTEM, REF SPECS
4. CONCRETE SIDEWALKS ADJACENT TO THE STORE NOT TO EXCEED 2% CROSS SLOPE
5. ALL BOLLARDS, RAILS, BARRIERS, OR GUARDS, ARE USED ONLY TO PROVIDE VISUAL CUES SEPARATING PEDESTRIAN, EQUIPMENT, AND VEHICLE AREA AND ARE NOT INTENDED TO COMPLY WITH ASTM F2016, ASTM F2656, OR ANY PROVISIONS ESTABLISHING TESTING OR RATING REQUIREMENTS FOR VEHICLE IMPACT.

KEYNOTES

3.01 CONCRETE STOOP REF STRUC

REPLACE PRECAST SCREEN CAP AT ENCLOSURES PER DETAIL11 - SP2.1

REPLACE PRECAST SCREEN CAP AT ENCLOSURES PER DETAIL11 - SP2.1

ARCHITECTURAL FINISH FLOOR = 100.00'

NOTE:
FINISH FLOOR ELEVATION AT ALL EXTERIOR DOORS = 100.00' UNLESS NOTED OTHERWISE

REF SPECS FOR DETAILS AND REQUIREMENTS FOR STORMWATER POLLUTION CONTROLS AND SITE STORAGE OF MATERIALS AND EQUIPMENT - DEVIATION(S) FROM DETAILS SHOWN MUST BE SUBMITTED FOR APPROVAL IN ACCORDANCE WITH SPECS

PATCH AND REPAIR CONCRETE, STAMPED CONCRETE, PATTERNED CONCRETE AND ASPHALTIC PAVING TO MATCH ADJACENT EXISTING MATERIALS WHERE BOLLARDS ARE ADDED - MATCH EXISTING COLOR AND FINISHES - MATCH EXISTING SLOPES REF SP2 FOR FLATWORK REPLACEMENT

FUTURE AUTOMATED PROPANE EXCHANGE UNITS, REF MEP FOR POWER

REPLACE JOINT FILLER MATERIAL AT GM AND GR ENTRANCES, AREA TO BE REPLACED FROM PAVING TO STORE ENTRANCE BY WIDTH OF VESTIBULE. REF SHEET SA1 FOR BID ALLOWANCE

REPLACE DAMAGED AND/OR INSTALL OWNER FURNISHED CART CORRAL. COORDINATE SCOPE WITH STORE SETUP, REF SHEET SA1 FOR BID ALLOWANCE

NORTH

1 SITE PLAN
1" = 20'-0"

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SITE PLAN

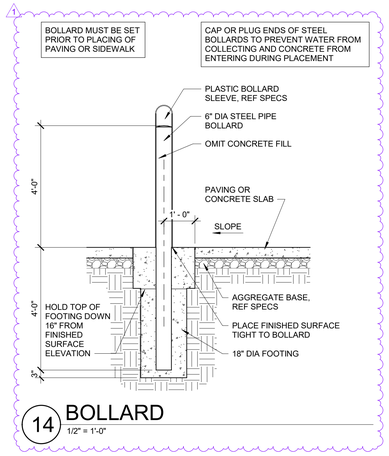
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SP2

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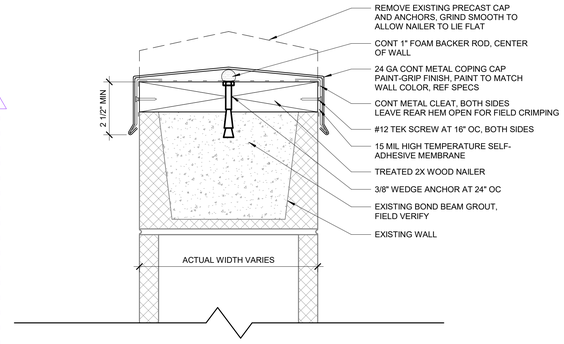
KEYNOTES

5.01	6" PIPE BOLLARD WITH GRAY PLASTIC SLEEVE (REF SPECS FOR HEIGHT OF SLEEVE)

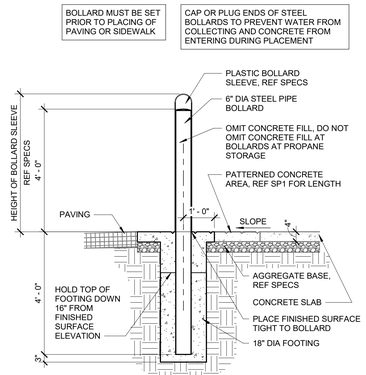
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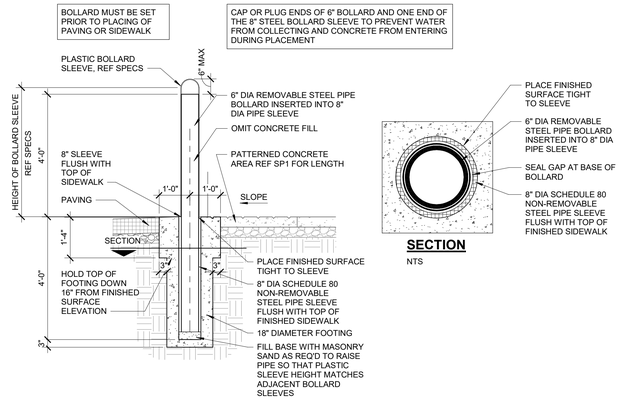
14 BOLLARD
1/2" = 1'-0"



11 SCREEN WALL CAP
3" = 1'-0"

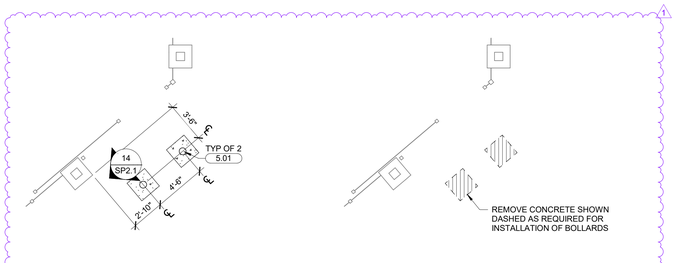


10 BOLLARD
1/2" = 1'-0"



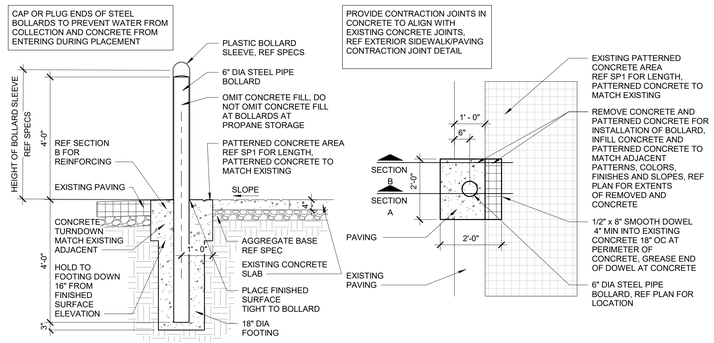
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NTS

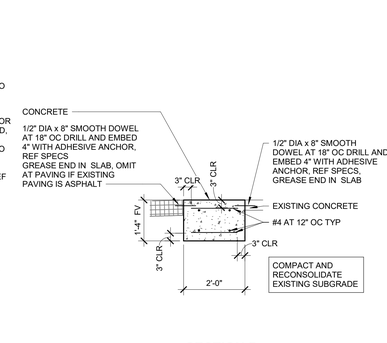
9 REMOVABLE BOLLARD
1/2" = 1'-0"



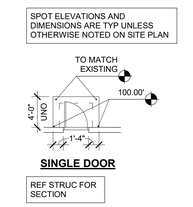
13 GC SIDE ENTRY PLAN
3/16" = 1'-0"

12 GC DEMO SIDE ENTRY PLAN
3/16" = 1'-0"

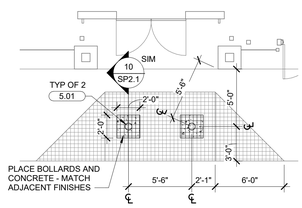




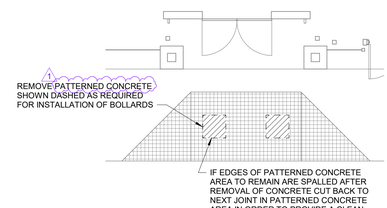
8 BOLLARD
1/2" = 1'-0"



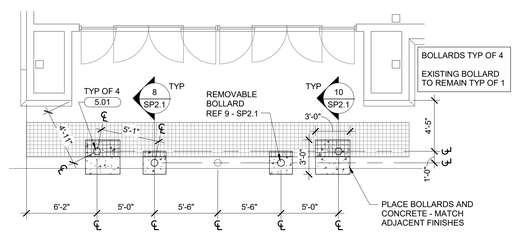
7 STOOP PLANS TYPICAL
1/8" = 1'-0"



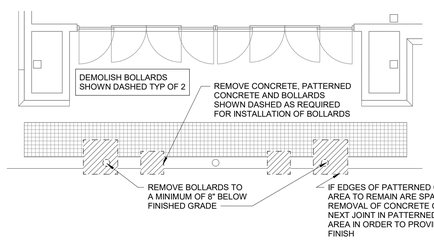
6 GC ENTRY PLAN
3/16" = 1'-0"



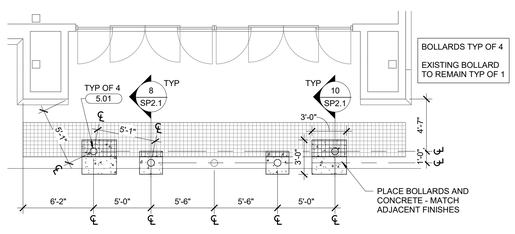
5 GC DEMO ENTRY PLAN
3/16" = 1'-0"



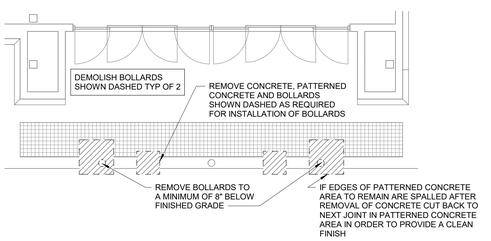
4 GM ENTRY PLAN
3/16" = 1'-0"



3 GM ENTRY DEMO PLAN
3/16" = 1'-0"



2 GR ENTRY PLAN
3/16" = 1'-0"



1 GR ENTRY DEMO PLAN
3/16" = 1'-0"

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09/06/2024

ENLARGED SITE PLAN AND DETAILS

SHEET:
SP2.1

05/2024 11:44:05 AM

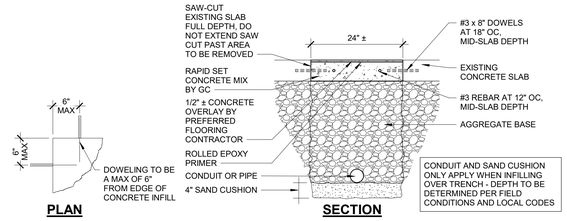
PRCTI20241053

SHEET NOTES

1. DEMOLITION INCLUDES BUT IS NOT LIMITED TO ITEMS SHOWN DASHED, REF DEMOLITION REQUIREMENT NOTE ON N1 SHEET
2. REMOVE ALL DOORS SHOWN DASHED, REF ENLARGED PLANS AND DOOR SCHEDULE FOR DOOR AND FRAME REPLACEMENT

DEMOLITION LEGEND

- EXISTING TO REMAIN
- DEMOLISH/REMOVE
- AREA TO BE DEMOLISHED
- RELOCATE



PLAN

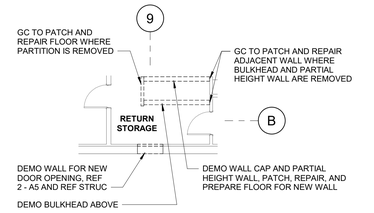
SECTION

CONTRACTOR NOTES:

1. SAWCUT EDGES SHALL BE STRAIGHT AND EITHER PARALLEL EXISTING CONTROL/CONSTRUCTION JOINTS
   - SAWCUTS AT AN ANGLE TO THE EXISTING CONTROL JOINT PATTERN WILL NOT BE ALLOWED UNDER ANY CIRCUMSTANCES
2. PRIOR TO CUTTING, INSTALL 36" WIDE ROSIN PAPER EACH SIDE OF PROPOSED EDGE CUTS IN ORDER TO REDUCE SCARRING OF SLAB THAT IS TO REMAIN
3. NO OVERCUTTING SHALL BE ALLOWED AT EDGES OR CORNERS OF TRENCH AREA TO BE REMOVED
   - PORTIONS OF SLAB WHERE OVERCUTS OCCUR SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE WITH NO EXTENSION OF THE CONSTRUCTION SCHEDULE
4. PERFORM CUTTING OF EXISTING CONCRETE SLABS IN ACCORDANCE WITH THE DETAILS AND SPECS USING SAWS AND/OR CORE DRILLS
   - ALL SLAB CUTTING SHALL BE PERFORMED AT NIGHT AFTER THE BUILDING HAS CLOSED FOR BUSINESS
   - EXPLOSIVES WILL NOT BE ALLOWED AT ANY TIME
   - REF SPECS FOR JACK HAMMER DIRECTION
5. USE REMOVAL METHODS THAT WILL NOT CRACK, UNDERMINE, OR STRUCTURALLY DISTURB ADJACENT SLABS OR PARTITIONS

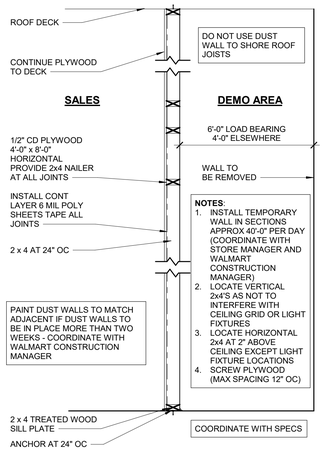
5 SLAB TRENCHING DETAIL

3/4" = 1'-0"



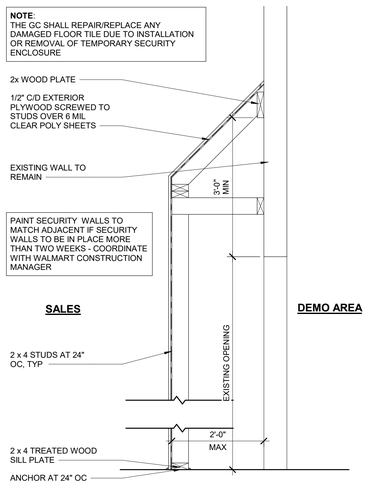
4 CUSTOMER SERVICE DEMO ENLARGED PLAN

1/8" = 1'-0"



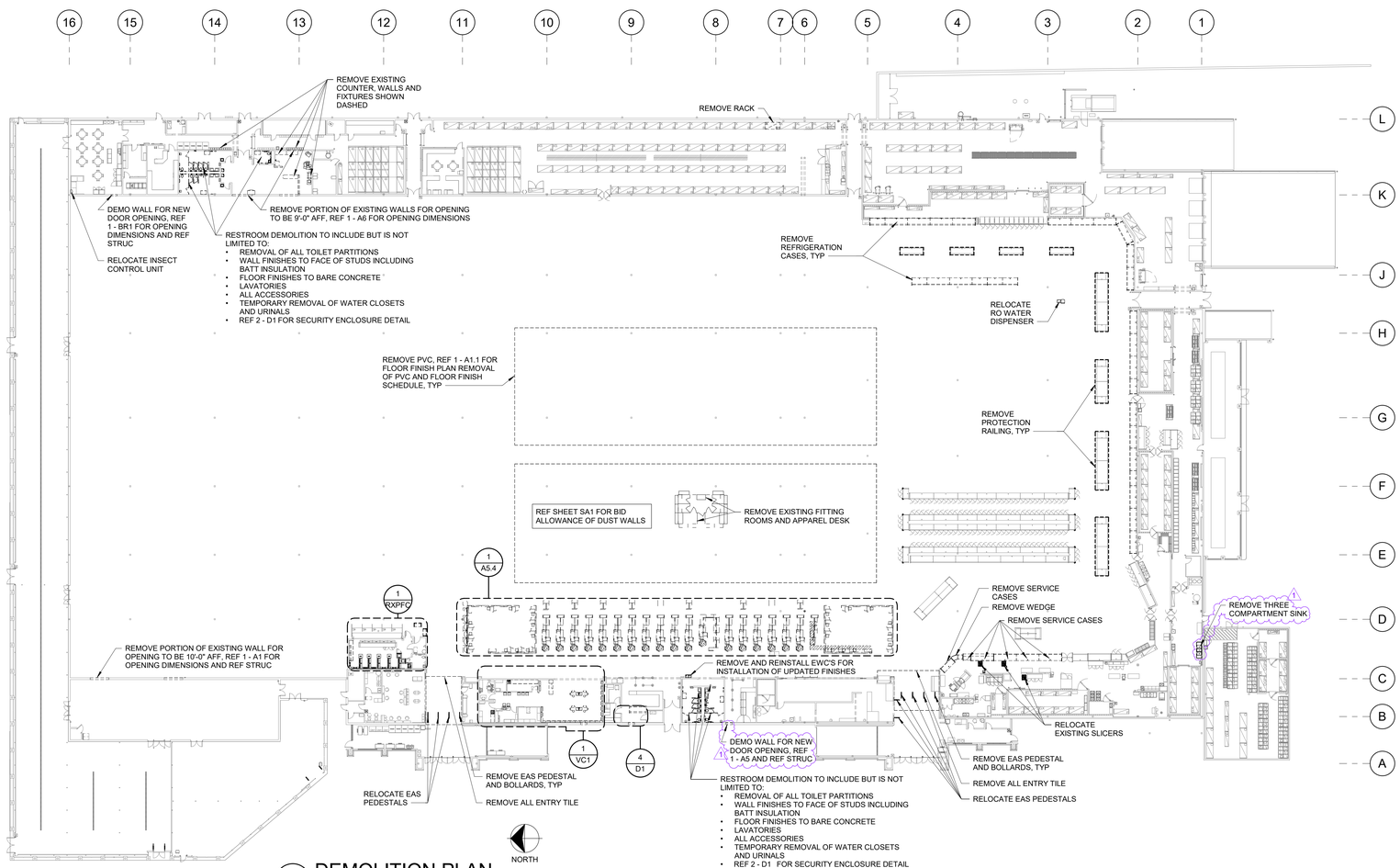
3 DUST WALL SECTION

3/4" = 1'-0"



2 SECURITY ENCLOSURE

3/4" = 1'-0"



1 DEMOLITION PLAN

1" = 30'-0"

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STATE OF WASHINGTON
09/06/2024

DEMOLITION PLAN

SHEET: D1

8/26/2024 2:14:17 PM

PRCTI20241053

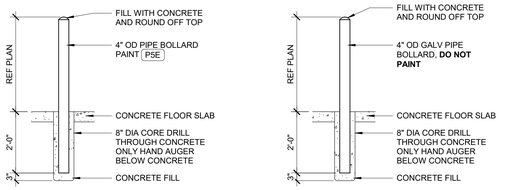
SHEET NOTES

1. ENSURE ALL EXISTING WALL STANDARDS AND HALF GONDOLAS TO REMAIN ARE SECURE TO WALL
2. RELOCATE AND/OR INSTALL PREFABRICATED CASH WRAP(S) FOR CHECKOUTS AND SERVICE COUNTERS
   - CAULK BASE TO FLOOR WHEN LOCATION IS FINALIZED
3. RELOCATION AND SETUP OF GONDOLAS AND/OR RACKING AS INDICATED ON FXS SHEETS WILL BE PERFORMED BY OTHERS
   - ANCHORING OF UPRIGHTS TO BE PERFORMED BY GC
4. IF PRICE READERS, FIRE EXTINGUISHERS, PAPER TOWEL DISPENSERS, ETC ARE STRAPPED TO COLUMNS ON SALES FLOOR, REMOVE AND REINSTALL USING SCREWS. STRAPPED ATTACHMENT TO REMAIN AT BRACE FRAMED COLUMNS. REF SHEET SA1 FOR BID ALLOWANCE

KEYNOTES

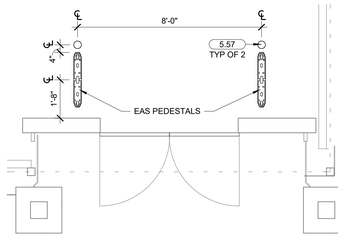
5.57	32" STAINLESS STEEL BOLLARD, 4" OD FURNISHED BY OWNER, INSTALLED BY GC
9.90	FLOOR STRIPES. REF N1 FOR STRIPING CONDITIONS.
10.44	PROVIDE TACTILE "EXIT" SIGN. REF N1.

NOTE TO GC:
CONTRACTOR SHALL VERIFY LOCATIONS OF UTILITIES IN AREA OF BOLLARD BEFORE EXCAVATING

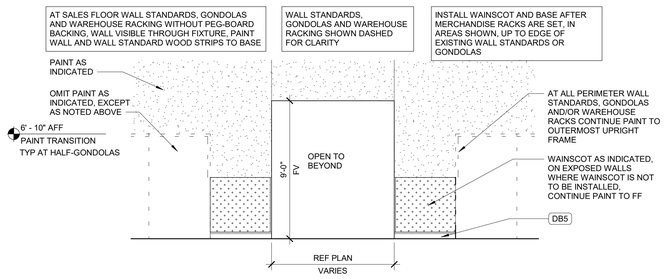


SECTION AT INTERIOR **SECTION AT GARDEN CENTER**

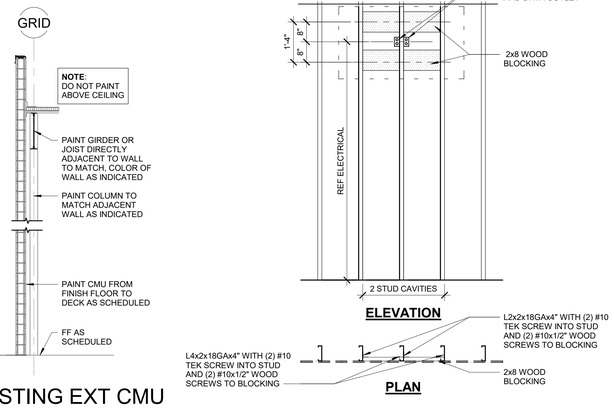
9 GARDEN CENTER/INTERIOR BOLLARD DETAIL
1/2" = 1'-0"



8 BOLLARDS AT GC EAS PEDESTALS
3/8" = 1'-0"

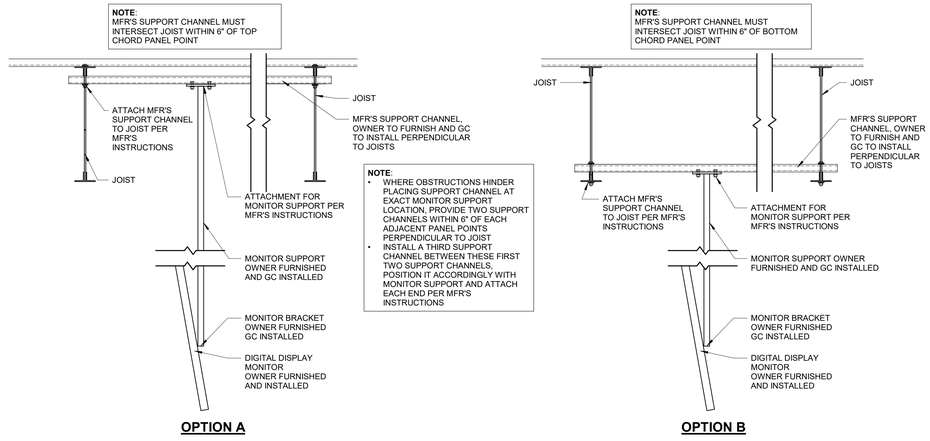


7 SALES WALL FINISHES @ PERIMETER HALF-GONDOLAS
1/4" = 1'-0"

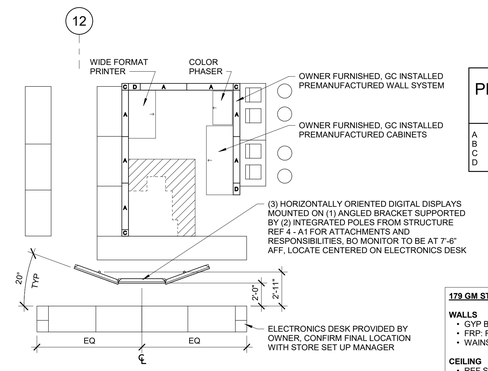


6 EXISTING EXT CMU WALL SECTION
1/4" = 1'-0"

5 TV BRACKET BLOCKING
1/2" = 1'-0"



4 MONITOR SUPPORT BRACKET (OWNER FURNISHED)
3/4" = 1'-0"



PRE-MANUFACTURED WALL SCHEDULE

A	4'-0" LONG WALL PANEL ASSEMBLY
B	2'-0" LONG WALL PANEL ASSEMBLY
C	CORNER ASSEMBLY
D	1'-0" LONG WALL PANEL ASSEMBLY

3 PHOTO LAB PLAN
3/16" = 1'-0"

179 GM STOCKROOM

WALLS
- GYP BD: PATCH AND REPAIR, REF FINISH PLAN
- FRP: REPLACE IF DAMAGED
- WAINSCOT: REPLACE IF DAMAGED, REF FINISH PLAN

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE

REPAIR / REMOVE / REPLACE
- REPLACE MOP SINK IF BROKEN, CRACKED

500 GLAZED CANOPY, 501 GARDEN CENTER

WALLS
- CLEAN ENTIRE STRUCTURE (INTERIOR)

FLOOR
- CLEAN ENTIRE STRUCTURE (INTERIOR)

CEILING
- CLEAN ENTIRE STRUCTURE (INTERIOR)

REPAIR / REMOVE / REPLACE
- DEEP CLEAN ALL FANS
- CONFIRM ALL FANS ARE WORKING, IF DAMAGED REPLACE

100 SALES, 126 SEASONAL SHOP

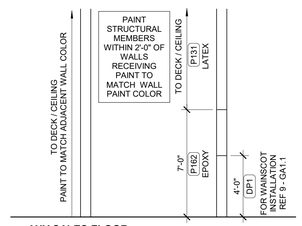
WALLS
- GYP BD: PATCH AND REPAIR DAMAGED AND PAINT TO CEILING OR STRUCTURE, REF A1 FOR PAINT,
- INSTALL PS7 WAINSCOT AND DB5 BASE UNO, EXTEND WAINSCOT AND BASE AT EXPOSED WALL TO NEAREST MERCHANDISE RACK, REF 7-A3
- CMU: REF A1 FOR PAINT, WHERE BASE IS EXISTING, IT IS ETR

FLOOR
- REF FLOOR FINISH PLAN

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE
- REMOVE ANY UNUSED ELECTRICAL DROPS THROUGHOUT SALES FLOOR
- ADD LIGHTING TO SOFFITS GREATER THAN 24" ABOVE BREAD WALL, IF EXISTING LIGHTING IS NON-LED, REPLACE WITH LED

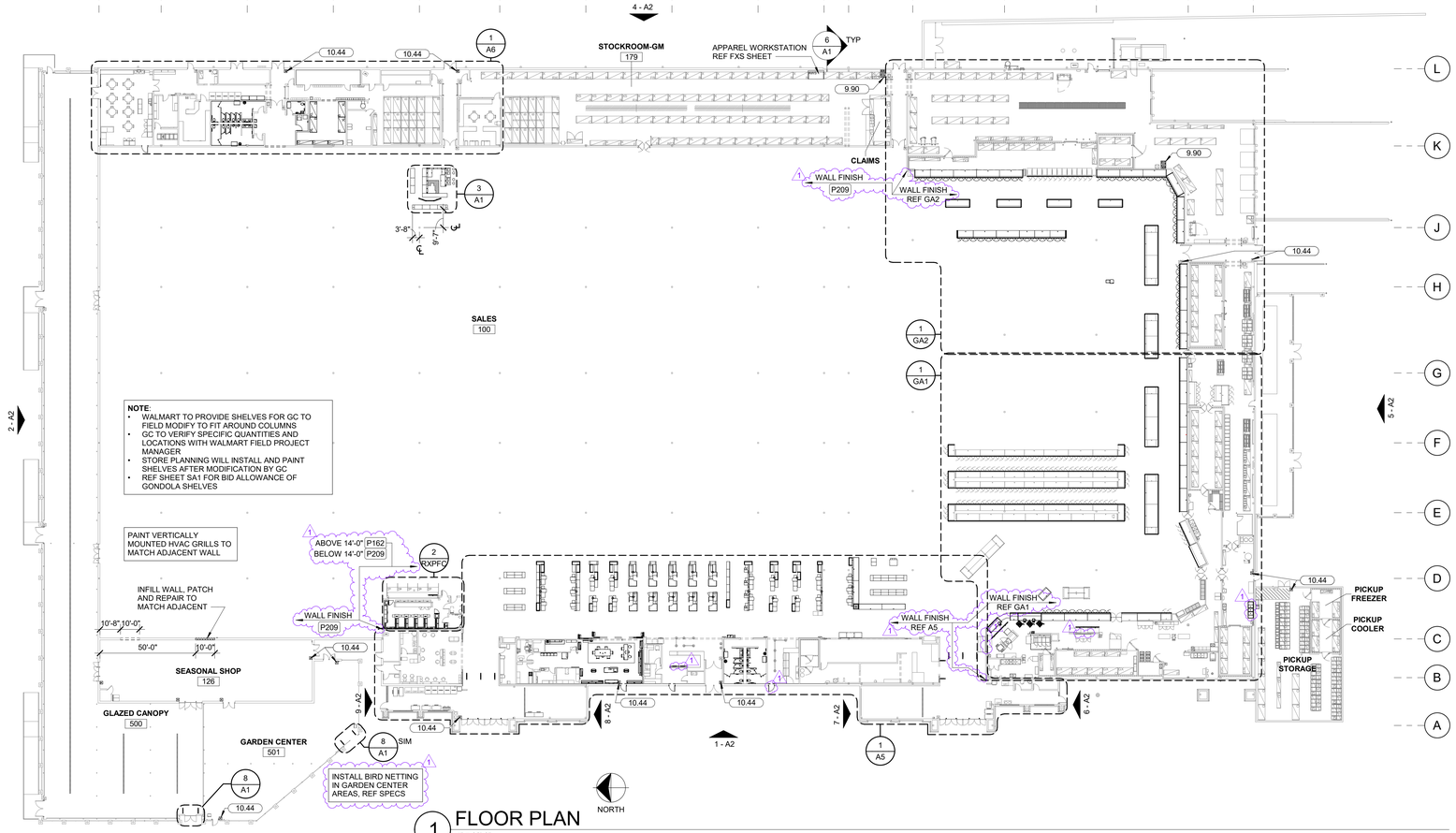
COLUMNS
- REF DETAILS 2-A1

REPAIR / REMOVE / REPLACE
- REPLACE DAMAGED OUTLETS, NON-ALMOND TO MATCH EXISTING COLOR, REPLACE ALMOND WITH WHITE
- REPLACE CUSTOMER VISIBLE ALMOND OUTLETS WITH WHITE
- REPLACE DAMAGED AND CUSTOMER VISIBLE OUTLET COVER PLATES WITH BRUSHED STAINLESS STEEL, INCLUDING BLANK PLATES, INCLUDING COLUMNS
- CLEAN OR REPLACE DAMAGED DIFFUSERS AND RETURNS
- REPLACE DAMAGED PARTS OF IMPACT DOORS



ANY SALES FLOOR COLUMN WHICH FALLS WITHIN 2'-0" OF A PERIMETER WALL **NON PERIMETER SALES FLOOR COLUMNS**

2 COLUMN COLORS
1/4" = 1'-0"



1 FLOOR PLAN
1" = 30'-0"

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192
JOB NUMBER:

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1	PR #1	08/20/24

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PROTO CYCLE: 03/29/24
DOCUMENT DATE: 05/10/24

PRCTI20241053

13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
09/06/2024

FLOOR PLAN

SHEET: A1

04/2025 3:57:57 PM

PRCTI20241053

FLOOR FINISH RESPONSIBILITY MATRIX
VCT CONVERSION

REMODEL PROJECT: 2403 PUYALLUP, WA

PROJECT SCOPE: VCT/PVC CONVERSION

PREFERRED FLOORING CONTRACTOR: A & I FLOORING COVERING

SCOPE OF WORK REMOVAL AND INSTALLATION:	CONTRACTOR RESPONSIBLE FOR WORK LISTED			
	PREFERRED FLOORING CONTRACTOR	GENERAL CONTRACTOR	REFRIGERATION CONTRACTOR	FLOORING NOTES
TENANT SPACES/ THRESHOLD	X			
VISION CENTER	X			
APPAREL PAD - REMOVAL	X			
APPAREL PAD - FLOOR STAIN	X			
PHARMACY CARPET TILE	X			
FLOOR FINISHES IN GROCERY PREP AREAS INCLUDING THRESHOLDS (NON PUBLIC)		X		
RESTROOMS - CONCRETE OVERLAY	X			
RESTROOMS - TILE		X		
VESTIBULE - RUBBER FLOOR	X			1
REMOVAL AND INSTALLATION OF REFRIG. CASE KICK PLATE		X		
FLOOR JOINT REPAIR (WHERE VCT IS REMOVED)	X			
SLAB SURFACE ENHANCEMENT	X			
SEASONAL	X			
REMOVAL AND REPLACEMENT OF REFRIGERATED CASE PROTECTION		X		
REMOVAL AND/OR REPLACEMENT OF THRESHOLDS AT AUTOMATIC SLIDING DOORS BY VENDOR. GC TO SCHEDULE.		X		

FLOORING NOTES

1. THRESHOLD AT AUTOMATIC ENTRANCE SLIDER DOOR TO REPLACED BY VENDOR.

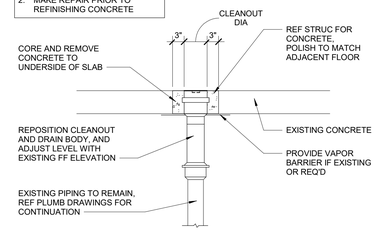
LEGEND

- RUBBER FLOORING — RRF3
- CARPET — C1
- TILE — CT53
- REMOVE EXISTING FLOORING - POLISH EC - REF SPECS — EC
- LVT — LVT2P
- CONCRETE OVERLAY — CO

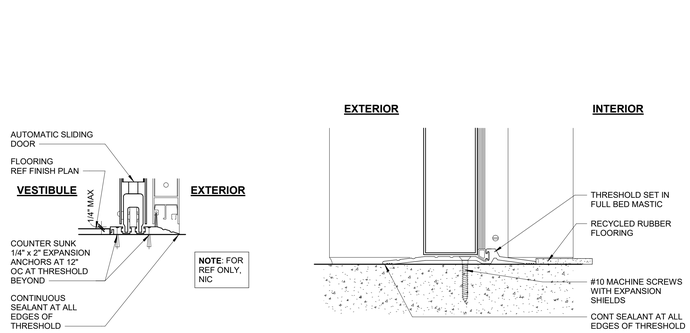
SHEET NOTES

1. REF A8 FOR FINISH KEY AND GENERAL FINISH NOTES
2. SEAL BASE OF ALL COLUMNS ON LVT/PVC PLANK FLOORING WITH GRAY/BROWN SEALANT
3. SEAL BASE OF ALL COLUMNS ON VCT FLOORING WITH WHITE SEALANT
4. REMOVE AND REPLACE DAMAGED TRANSITION STRIPS TO MATCH EXISTING
5. REPAIR BOLT HOLES AND SPALLS RESULTING FROM MERCHANDISE FIXTURE AND OR STORAGE RACK RELOCATION OR REMOVAL. REF SPECS
   a. FILL ALL BOLT HOLES AND SPALLS RESULTING FROM FIXTURE AND OR STORAGE RACK RELOCATION OR REMOVAL IN NON CUSTOMER ACCESSIBLE AREAS WITH NON SHRINK GROUT
   b. REF SHEET SA1 FOR ALLOWANCE OF SPALL HOLES

NOTES:
1. REF PLUMB PLANS FOR LOCATIONS OF ANY CLEANOUTS WHERE LEVELING REPAIR IS NEEDED
2. MAKE REPAIR PRIOR TO REFINISHING CONCRETE

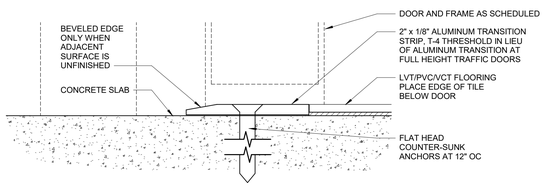


5 CLEANOUT LEVELING DETAIL
3/4" = 1'-0"

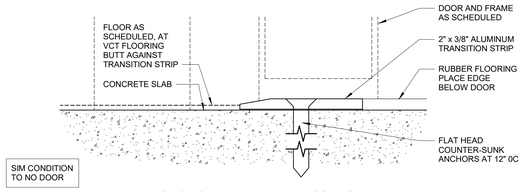


4 THRESHOLD
3" = 1'-0"

3 THRESHOLD
3" = 1'-0"

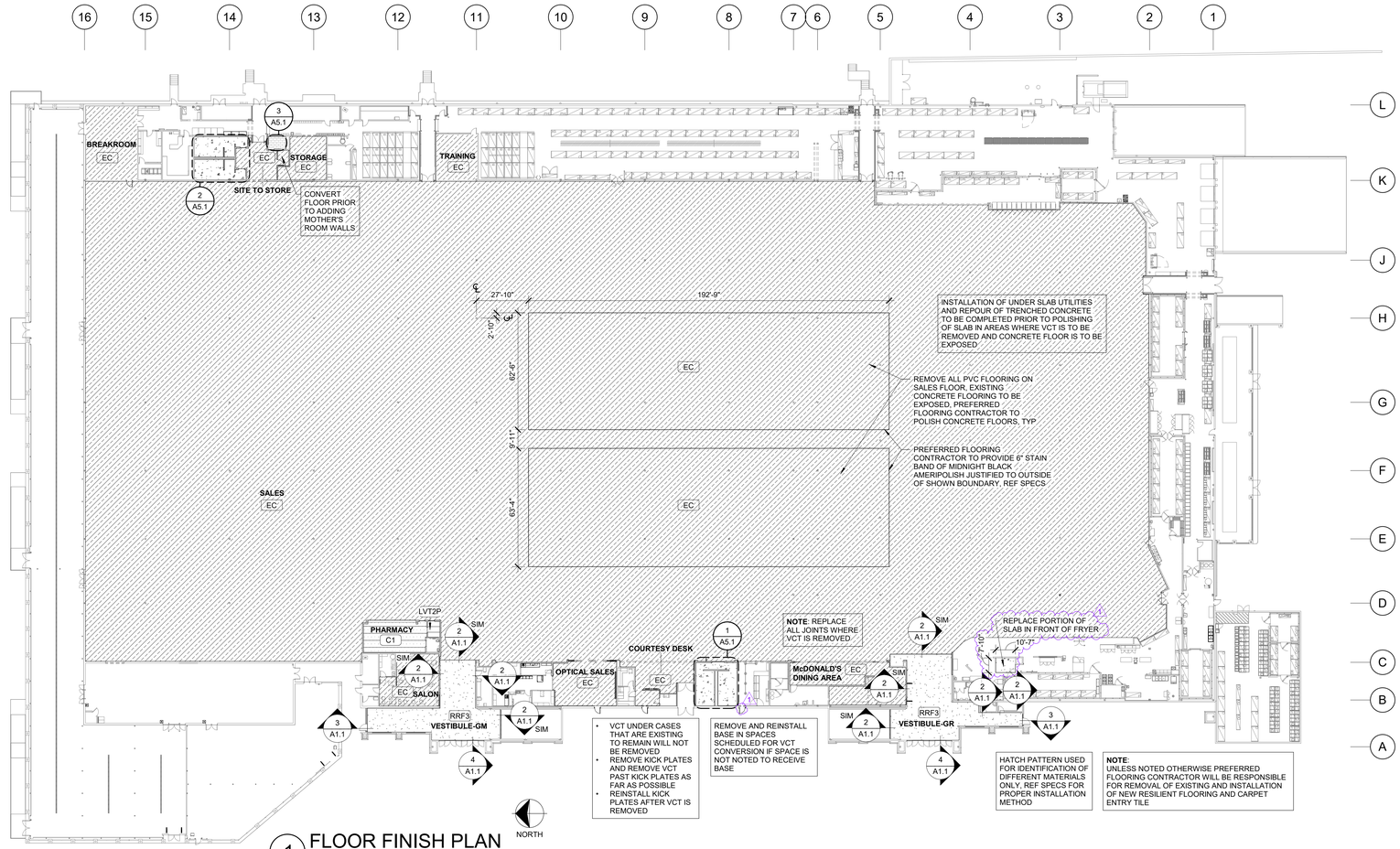


TRANSITION STRIP AT LVT / PVC / VCT FLOORING



TRANSITION STRIP AT RUBBER FLOORING

2 TRANSITION STRIP
12" = 1'-0"



1 FLOOR FINISH PLAN
1" = 30'-0"

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13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
09/06/2024

FLOOR FINISH PLAN

SHEET:
A1.1

8/28/2024 2:13:49 PM

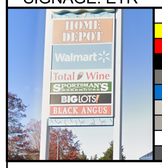
PRCTI20241053

SITE PLAN



- EXISTING OUTDOOR SIGN
- EXISTING WALMART SIGN WITH SPARK
- SITE WALL ETR
- EXISTING PICKUP SIGN
- EXISTING MONUMENT SIGN LOCATION ON SITE REF 10 - A2

MONUMENT SIGNAGE: ETR



COLOR LEGEND

P#	COLOR NAME
P5E	SAFETY YELLOW
P21E	SAFETY RED
P36E	BLACK
P49E	DARK GRAY
P76U	WALMART BLUE (URETHANE-LIKE)
P134E	LIGHT GRAY
P135E	MEDIUM GRAY
P140E	WHITE
P162E	BLACK GRAY

PAINT AND SIGNAGE EXISTING TO REMAIN, PREVIOUSLY COMPLETED

DEMOLITION NOTES

1. NOT USED.
2. REMOVAL OF BUILDING MOUNTED ITEMS, SHOWN OR NOTED TO BE DEMOLISHED OR AS REQUIRED BY SCOPE OF WORK, SHALL OCCUR PRIOR TO PAINTING BUILDING
   - COORDINATE DEMOLITION WORK SO EXTERIOR PAINTING WILL OCCUR PRIOR TO INSTALLATION OF BUILDING MOUNTED ITEMS

HATCH LEGEND

EIFS AREA TO BE RESURFACED (REF SPECS)

SHEET NOTES

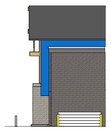
1. POWER WASH 100% OF EXTERIOR WALLS NOTED TO RECEIVE PAINT, PRIOR TO PAINTING.
2. PATCH AND REPAIR EXISTING WALL SURFACES AS DIRECTED IN PAINT EVALUATION REPORTS.
3. PAINT EXTERIOR OF BUILDING AS SHOWN. AT WALL(S) WITH SIGN(S) MASK AND PAINT AROUND SIGN CHARACTERS.
4. PAINT DOOR HOODS, HOLLOW METAL STEEL DOORS AND FRAMES, GUTTERS AND DOWNSPOUTS, EXPOSED METAL FLASHING, HANDRAILS, AND EXPOSED MISCELLANEOUS STEEL TO MATCH ADJACENT BUILDING COLOR UNO.
5. PAINT STRUCTURAL STEEL AND FLASHING TO MATCH ADJACENT WALL UNO.
6. WHERE CANOPIES ARE VISIBLE TO AND ACCESSED BY CUSTOMERS, PAINT UNDERSIDE OF CANOPY DECK P33E, DO NOT PAINT DECK IF NOT PREVIOUSLY PAINTED.
7. PAINT JIB CRANE – P36E ON JIB BOOM, P5E ON HANDRAILS
8. PAINT ALL GAS PIPE ON SIDE WALLS TO MATCH ADJACENT WALL COLOR. DO NOT PAINT METER OR VALVES.
9. PAINT SPRINKLER VALVES P21E. DO NOT PAINT OVER SIGHT GLASS OR FIRE ALARM BELL.
10. NOT USED.
11. DO NOT PAINT LED WALL PACK HOUSINGS.
12. PAINT GARDEN CENTER STEEL DOORS AND FRAMES TO MATCH ADJACENT BUILDING WALL. IF THERE ARE TWO COLORS AT ADJACENT WALL, USE BOTTOM COLOR FOR ENTIRE DOOR AND FRAME.
13. NOT USED.
14. OVERHEAD DOORS PREVIOUSLY PAINTED TO BE PAINTED WHITE P140E.
15. RELOCATE ANY BANNERS OR TEMPORARY SIGNS PRIOR TO PAINTING. REINSTALL BANNER.
16. PAINT ALL REMOTE BUILDINGS, FENCES, OR STRUCTURES NOT SHOWN ON A2, THAT WERE PREVIOUSLY PAINTED, P134E.
17. DO NOT PAINT STONE VENEER, FACE BRICK, QUIK BRIK, AND UNPAINTED PRECAST PANELS.
18. FABRIC PICKUP CANOPY: PAINT ALL STRUCTURAL STEEL AND COLUMNS P76U. FABRIC CANOPY TO REMAIN.
19. NOT USED.
20. PICKUP PARKING STALL SIGNAGE: REPLACE EXISTING PARKING STALL SIGNS ON EXISTING POSTS WITH NEW OWNER FURNISHED SIGNS TO MATCH P76. FIELD VERIFY QUANTITY PRIOR TO ORDERING. PAINT SIGN POST BOLLARDS WHERE EXISTING P5 IF NOT CURRENTLY PAINTED SAFETY YELLOW.
21. PICKUP WAYFINDING SIGNAGE: REPLACE EXISTING WAYFINDING SITE SIGNS ON EXISTING POSTS WITH NEW OWNER FURNISHED SIGNS TO MATCH P76. FIELD VERIFY QUANTITY PRIOR TO ORDERING. PAINT SIGN POST BOLLARDS WHERE EXISTING P5 IF NOT CURRENTLY PAINTED SAFETY YELLOW.
22. PAINT EXTERIOR ROOF ACCESS LADDERS P5E
23. APPLY WATER REPELLENT BRICK/MORTAR SEALER AT UNPAINTED BRICK, UNO
24. EXISTING FENCE SLATS TO REMAIN. WILL BE UPDATED IN SEPARATE FUTURE PROJECT
25. INSTALL GRAY BOLLARD SLEEVES AT ALL ENTRANCE BOLLARDS. PAINT ALL SAFETY BOLLARDS P5E. PAINT ALL OTHER BOLLARDS P135E



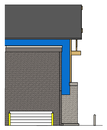
10 MONUMENT SIGN
NOT TO SCALE



9 VESTIBULE SIDE ELEVATION
1" = 20'-0"



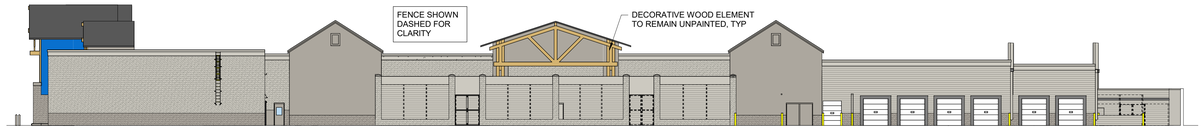
8 VESTIBULE SIDE ELEVATION
1" = 20'-0"



7 VESTIBULE SIDE ELEVATION
1" = 20'-0"



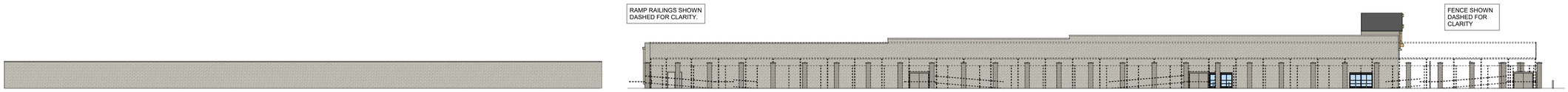
6 VESTIBULE SIDE ELEVATION
1" = 20'-0"



5 RIGHT ELEVATION
1" = 20'-0"



4 REAR ELEVATION
1" = 20'-0"



3 SITE WALL REAR ELEVATION
1" = 20'-0"

2 LEFT ELEVATION
1" = 20'-0"



1 FRONT ELEVATION
1" = 20'-0"

brr

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PRCTI20241053

13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
06/13/2024

EXTERIOR ELEVATIONS

SHEET: A2

6/6/2024 4:28:07 PM

PRCTI20241053

SHEET NOTES

1. INSTALL MOLDED PIPE FLASHING AT ALL PIPE, FLUE, OR CONDUIT PENETRATIONS THROUGH ROOF, REF MEP SHEETS FOR LOCATIONS REF 4 - A4

ROOF LEGEND

EXISTING RTU/AHU

EXISTING SKY LIGHT

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CONSULTANTS

Walmart :

PUYALLUP, WA
310 31ST AVE SE
STORE NO: 02403 - 254

JOB NUMBER: 9654624 | PROTO: 192

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CHECKED BY: DMJ KJS
DRAWN BY: EP
PROTO CYCLE: 03/29/24
DOCUMENT DATE: 05/10/24

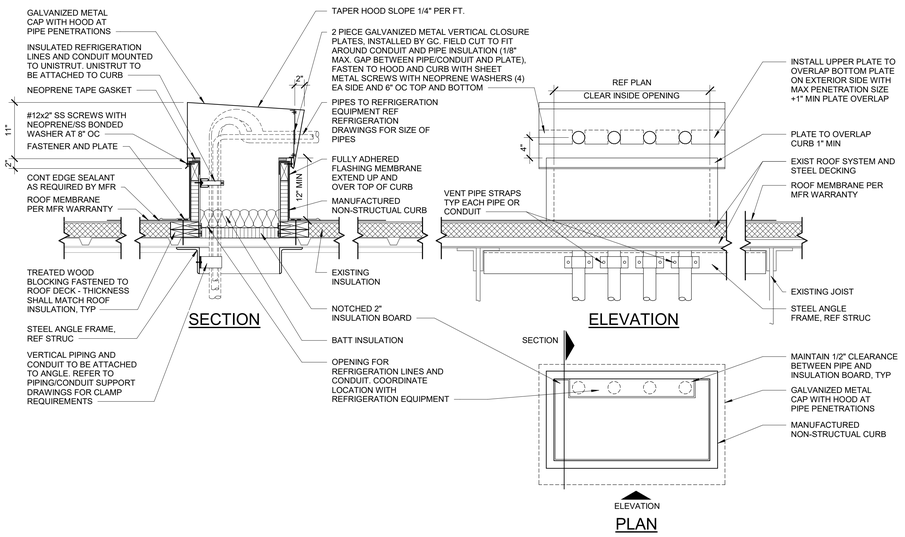
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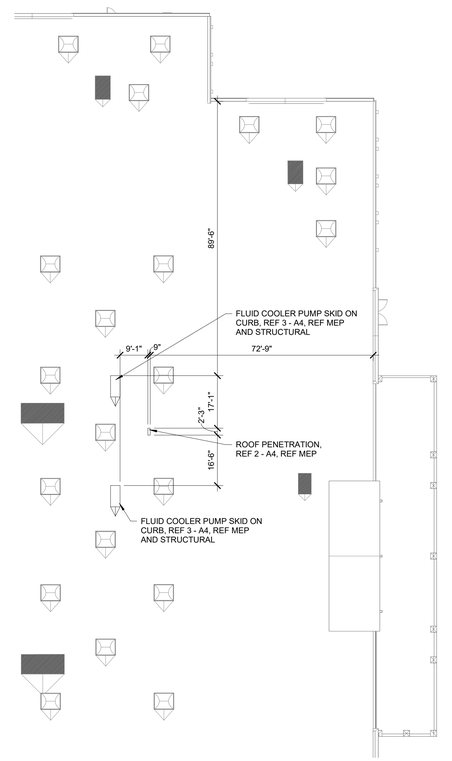
13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
06/13/2024

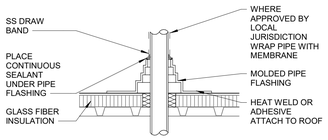
ROOF PLAN AND DETAILS

SHEET: A4

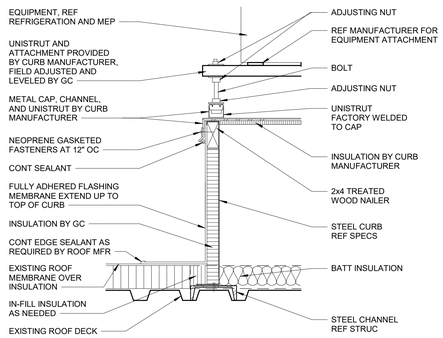
INSTALLATION NOTES:
1. ROOF PENETRATION CURB, HOOD AND CLOSURE PLATES ARE FURNISHED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR
2. ALL HOOD PENETRATIONS SHALL BE THROUGH VERTICAL CLOSURE PLATES ONLY
   - PIPING AND CONDUIT SHALL BE INSTALLED BY TRADE CONTRACTORS WITH PIPE AND CONDUIT CENTERLINES 4" ABOVE TOP OF ROOF CURB WITH MINIMUM OF 1" BETWEEN PIPE AND CONDUIT EXTERNAL SURFACE
3. GENERAL CONTRACTOR SHALL CUT AND INSTALL VERTICAL CLOSURE PLATES AFTER ALL PIPING AND CONDUITS ARE INSTALLED AND SEAL ALL PENETRATIONS AS NOTED IN DETAIL AND PROVIDE CONTINUOUS SEALANT AT PERIMETER JOINT BETWEEN CLOSURE PLATES, HOOD, CURB, AND WHERE CLOSURE PLATES OVERLAP, REF SPECS
   - EXPANDING FOAM SEALANT SHALL NOT BE USED WHERE SEALANT IS EXPOSED TO EXTERIOR
4. EXTEND EXTERIOR REFRIGERANT AND WATER LINE EXTERNAL PVC INSULATION JACKET 1" INSIDE HOOD METAL CLOSURE PLATES







NOTE TO GC:
PROVIDED CURB IS NOT SLOPED
UNISTRUT ASSEMBLY MUST BE LEVELED IN DIRECTION OF ROOF SLOPE PRIOR TO INSTALLATION OF EQUIPMENT



4 ROOF PENETRATION
1" = 1'-0"

3 FLUID COOLER PUMP ROOF CURB
1 1/2" = 1'-0"

2 REFRIGERATION LINE ROOF PENETRATION
NTS

1 ENLARGED ROOF PLAN
1" = 20'-0"

6/13/2024 11:04:38 AM

PRCTI20241053

SHEET NOTES

1. PAINT STRUCTURE AS INDICATED ON 2-A1 AND PAINT GYP BD WALLS TO 6" BEHIND TOP AND SIDES OF REFRIGERATED CASES.
2. CASH RECYCLER OWNER FURNISHED AND INSTALLED

KEYNOTES

6.27 48" HIGH WAINSCOT WITH OUTSIDE CORNER TRIM

REMOVE INTERIOR TENANT SIGNAGE AS INDICATED BELOW:

ALL TENANT SPACES (EXCLUDING FULL SERVICE FOOD TENANTS)-
- REMOVE ALL SIGNS, INCLUDING BLACK PLACARDS AND LIT SIGNS, RETURN TO TENANT
  1. ELECTRICAL FOR REMOVED LIT SIGNS TO BE TERMINATED BACK TO NEAREST JUNCTION BOX
  2. PATCH, REPAIR AND PAINT BULKHEAD WALL AT REMOVED SIGN AND ASSOCIATED ELECTRICAL, WALLPAPER AND/OR ORNAMENTATION TO MATCH ADJACENT CONSTRUCTION AND FINISHES
- REMOVE ALL WALLPAPER AND/OR ORNAMENTS ON BULKHEAD AND WALL BELOW UNO

ALL FULL SERVICE FOOD TENANTS-
- EXISTING LIT TENANT SIGNS, NON-BLACK PLACARD SIGNS AND GRAPHICS ON LOWER BULKHEADS AND AWNINGS TO REMAIN, DO NOT REMOVE, PAINT AROUND SIGN. TREAT TENANTS (I.E. PRETZEL COMPANIES) THAT ARE OCCUPYING FULL SERVICE FOOD TENANT SPACES MAY CONTINUE TO USE LIT SIGNAGE
- REMOVE BLACK PLACARD TENANT SIGNS
- REMOVE MCDONALD'S ARCHES ON UPPER BULKHEAD
- LIT SIGNAGE CAN HAVE TENANT BRANDED BULKHEAD WITH EXCEPTION OF WALMART BLUE, USE OF WALMART BLUE ACCENTS WILL REQUIRE APPROVAL BY WALMART SERVICES
- PATCH, REPAIR AND PAINT BULKHEAD WALL AT REMOVED ELECTRICAL, WALLPAPER AND/OR ORNAMENTATION TO MATCH ADJACENT CONSTRUCTION AND FINISHES, ELECTRICAL FOR REMOVED LIT SIGNS TO BE TERMINATED BACK TO NEAREST JUNCTION BOX

WALMART OWNED TENANT SIGNS AND ORNAMENTS ARE TO BE RETURNED TO FIELD PROJECT SUPERVISOR. THIRD-PARTY TENANT SIGNS AND ORNAMENTS ARE TO BE RETURNED TO TENANT IF THIRD-PARTY TENANT REQUESTS THEIR SIGN, WALLPAPER OR ORNAMENTATION NOT TO BE REMOVED, CONTACT WALMART CONSTRUCTION MANAGER

brr

ARCHITECT OF RECORD:
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JOB NUMBER:

ISSUE BLOCK		
1	PR #1	08/20/24

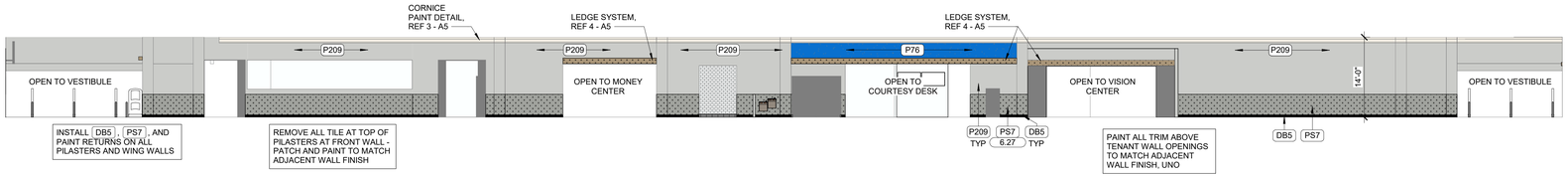
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DRAWN BY: EP
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PRCTI20241053

13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
09/06/2024

ENLARGED PLANS, ELEVATIONS AND DETAILS

SHEET: A5



8 INTERIOR ELEVATION
3/32" = 1'-0"

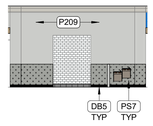
101 VESTIBULE GM, 103 OTHER INCOME, 104 CART STORAGE GM, 116 VESTIBULE GR, 117 OTHER INCOME, 118 CART STORAGE GR

WALLS
- GYP BD:
  - PAINT P131 TO 10'-0" AFF AND P209 FROM 10'-0" AFF TO CEILING OR EXPOSED STRUCTURE UNO
  - INSTALL PS7 WAINSCOT AND DB5 BASE UNO
- CMU:
  - PAINT P209 WAINSCOT TO 4'-0", P131 FROM 4'-0" TO 10'-0" AFF, AND P209 FROM 10'-0" AFF TO CEILING OR EXPOSED STRUCTURE, UNO
- PAINT COLUMNS TO MATCH ADJACENT WALLS
- CLEAN TRANSLUCENT PANELS
- CART STORAGE ONLY: ADD 3/4" PLYWOOD TO 4'-0" AFF WITH TOP EDGE EASED TO ALL GYP BD WALLS
- CART STORAGE WALLS: P209 WAINSCOT TO 4'-0" AFF AND P131 ABOVE
- PAINT INTERIOR OF CART STORAGE OVERHEAD DOOR WHITE P140E

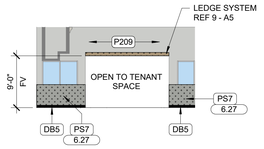
FLOOR
- REF FLOOR FINISH PLAN

CEILING
- GYP BD: REF SHEET SA1 CEILING SCHEDULE FOR CLEANING. PAINT P131
- METAL SOFFIT: REF SHEET SA1 CEILING SCHEDULE FOR CLEANING. IF METAL SOFFIT CEILING IS DAMAGED CONTACT WALMART PROJECT MANAGER FOR DIRECTION

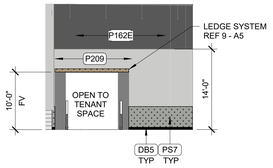
REPAIR / REMOVE / REPLACE
- REPLACE DAMAGED OUTLETS, NON-ALMOND TO MATCH EXISTING COLOR, REPLACE ALMOND WITH WHITE
- REPLACE CUSTOMER VISIBLE ALMOND OUTLETS WITH WHITE
- REPLACE DAMAGED AND CUSTOMER VISIBLE COVER PLATES WITH BRUSHED STAINLESS STEEL, INCLUDING BLANK PLATES
- REPLACE DAMAGED DIFFUSERS AS REQUIRED



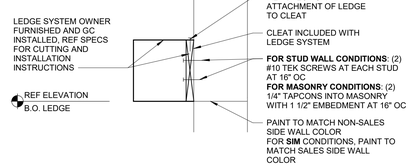
7 FRONT RESTROOM INTERIOR ELEVATION
3/32" = 1'-0"



6 TENANT SPACE INTERIOR ELEVATION
3/32" = 1'-0"



5 FOOD SERVICE INTERIOR ELEVATION
3/32" = 1'-0"



4 LEDGE DETAIL
1 1/2" = 1'-0"

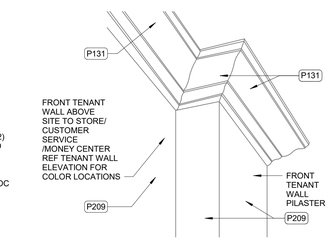
107 CASH, 108 COUNTING

WALLS
- PAINT P131 TO CEILING
- PATCH AND REPAIR

FLOOR
- ETR

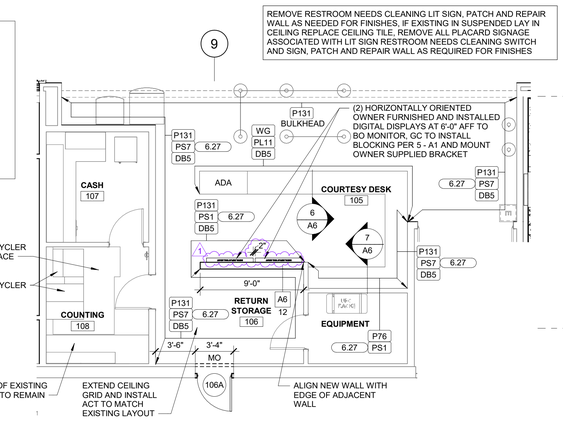
CEILING
- GYP BD: REF SHEET SA1 CEILING SCHEDULE FOR CLEANING. PAINT P131

MILLWORK
- PAINT PIPE SUPPORT COUNTER LEGS P162
- SAND AND VARNISH OAK ON COUNTER TOP



3 CORNICE PAINT DETAIL
1" = 1'-0"

REMOVE RESTROOM NEEDS CLEANING LIT SIGN. PATCH AND REPAIR WALL AS NEEDED FOR FINISHES, IF EXISTING IN SUSPENDED LAY IN CEILING REPLACE CEILING TILE. REMOVE ALL PLACARD SIGNAGE ASSOCIATED WITH LIT SIGN RESTROOM NEEDS CLEANING SWITCH AND SIGN, PATCH AND REPAIR WALL AS REQUIRED FOR FINISHES



2 COURTESY DESK FLOOR PLAN
3/16" = 1'-0"

105 COURTESY DESK, 106 RETURN STORAGE

WALLS
- REF 2-A5 FOR FINISH DETAILS

FLOOR
- VCT: REF FLOOR FINISH PLAN

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE

MILLWORK
- RE-LAMINATE FRONT FACE AND SIDE FACES OF EXISTING CASEWORK. INSTALL NEW WALL GUARD, INFILL TOE KICK AND INSTALL BASE. NO SCOPE OF WORK FOR PHOTO LAB CABINETS
- EXISTING BACK COUNTER: RE-LAMINATE FACE OF DOORS AND FACE OF STILES, IF THERE IS OPEN SHELVING WITHOUT HARDWOOD EDGE TRIM, RE-LAMINATE EDGE OF OPEN SHELVING
- EXISTING SOLID SURFACE OR LAMINATE COUNTERTOP (FRONT AND BACK COUNTER): REPLACE COUNTERTOP WITH NEW SS COUNTERTOP

REPAIR / REMOVE / REPLACE
- REPLACE DAMAGED OUTLETS, NON-ALMOND TO MATCH EXISTING COLOR, REPLACE ALMOND WITH WHITE
- REPLACE CUSTOMER VISIBLE ALMOND OUTLETS WITH WHITE
- REPLACE DAMAGED AND CUSTOMER VISIBLE COVER PLATES WITH BRUSHED STAINLESS STEEL, INCLUDING BLANK PLATES
- REPLACE DAMAGED DIFFUSERS AS REQUIRED

110 CORRIDOR

WALLS
- PAINT P162 WAINSCOT TO 4'-0" AFF, AND P131 FROM 4'-0" AFF TO CEILING OR BOTTOM OF STRUCTURE

FLOOR
- ETR

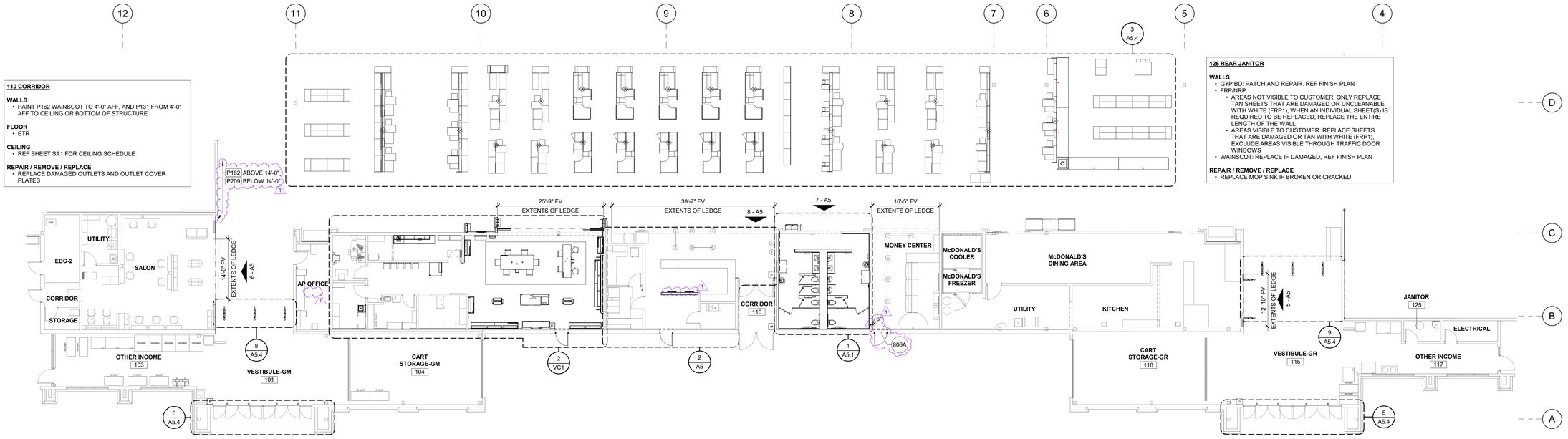
CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE

REPAIR / REMOVE / REPLACE
- REPLACE DAMAGED OUTLETS AND OUTLET COVER PLATES

125 REAR JANITOR

WALLS
- GYP BD: PATCH AND REPAIR. REF FINISH PLAN
- FRP/NRP:
  - AREAS NOT VISIBLE TO CUSTOMER: ONLY REPLACE TAN SHEETS THAT ARE DAMAGED OR UNCLEANABLE WITH WHITE (FRP1), WHEN AN INDIVIDUAL SHEET(S) IS REQUIRED TO BE REPLACED, REPLACE THE ENTIRE LENGTH OF THE WALL
  - AREAS VISIBLE TO CUSTOMER: REPLACE SHEETS THAT ARE DAMAGED OR TAN WITH WHITE (FRP1), EXCLUDE AREAS VISIBLE THROUGH TRAFFIC DOOR WINDOWS
- WAINSCOT: REPLACE IF DAMAGED, REF FINISH PLAN

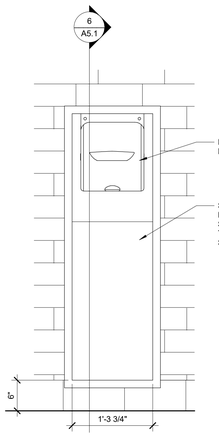
REPAIR / REMOVE / REPLACE
- REPLACE MOP SINK IF BROKEN OR CRACKED



1 FRONT TENANT WALL FLOOR PLAN
3/32" = 1'-0"

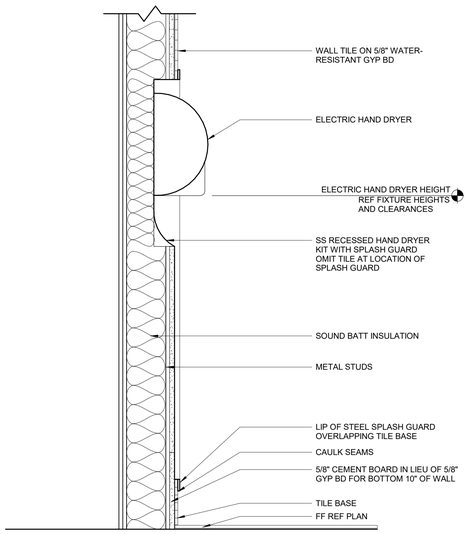
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RECESSED HAND DRYER ELEVATION

7 1" = 1'-0"

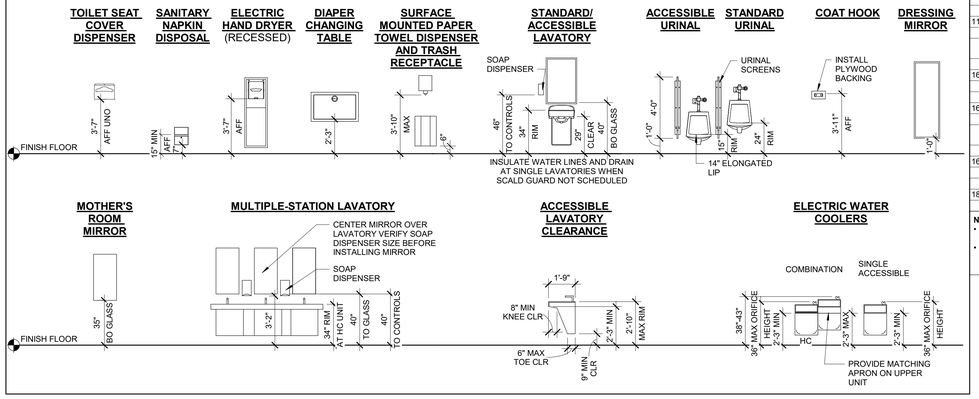


RECESSED HAND DRYER WITH SPLASH GUARD

6 1 1/2" = 1'-0"

FIXTURE HEIGHTS AND CLEARANCES

COMPLY WITH 2017 ICC / A117.1 AND ADA STANDARDS FOR ACCESSIBLE DESIGN



CUSTOMER RESTROOM FIXTURE SCHEDULE

MARK	ROOM NAME	
111	CUSTOMER MEN	
	TYPE OF WATER CLOSET	TANKLESS FLUSH VALVE
	NUMBER OF 18" WIDE LIGHTED MIRRORS	2
112	CUSTOMER WOMEN	
	TYPE OF WATER CLOSET	TANKLESS FLUSH VALVE
	NUMBER OF 20" WIDE DRESSING MIRRORS	1
	NUMBER OF 18" WIDE LIGHTED MIRRORS	2
165	CUSTOMER MEN	
	TYPE OF WATER CLOSET	TANKLESS FLUSH VALVE
	NUMBER OF 18" WIDE LIGHTED MIRRORS	2
166	CUSTOMER WOMEN	
	TYPE OF WATER CLOSET	TANKLESS FLUSH VALVE
	NUMBER OF 20" WIDE DRESSING MIRRORS	1
	NUMBER OF 18" WIDE LIGHTED MIRRORS	2
167	FAMILY	
	TYPE OF WATER CLOSET	TANKLESS FLUSH VALVE
	NUMBER OF 18" WIDE LIGHTED MIRRORS	1
184	MOTHER'S ROOM	
	NUMBER OF 18" WIDE LIGHTED MIRRORS	1

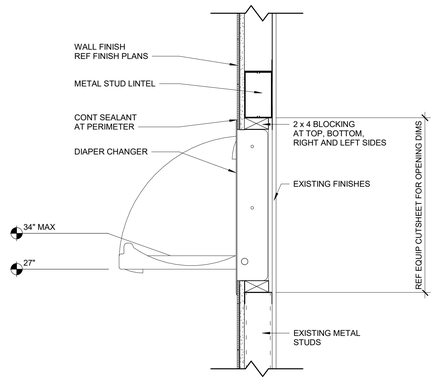
NOTE:
- INFORMATION CONTAINED IN THIS SCHEDULE IS FOR INFORMATIONAL PURPOSES ONLY
- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ACTUAL CONDITIONS, MATERIALS AND DIMENSIONS NECESSARY FOR REPLACEMENT, INSTALLATION OR REFURBISHING

SHEET NOTES

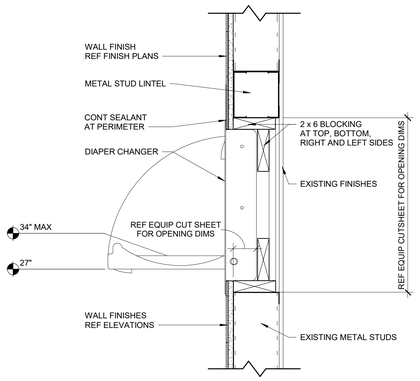
1. INTERIOR PLAN DIMENSIONS ARE TO FACE OF FINISH UNO
2. PROVIDE A CONTINUOUS BEAD OF SEALANT IN FOLLOWING LOCATIONS:
   - PERIMETER OF ALL TOILETS AND URINALS TO WALLS AND FLOORS
   - PERIMETER OF SINK TO WALL
   - PERIMETER OF MIRRORS TO WALL
   - PERIMETER OF DIAPER CHANGING TABLE TO WALL
3. REPLACE ALL TOILET SEATS THROUGHOUT STORE BOTH PUBLIC AND ASSOCIATE RESTROOMS, BEMIS MODEL 1055SSC, MAINLINE ML 10552SSC
4. PROVIDE BATT INSULATION FOR SOUND PROOFING IN TOILET ROOM WALLS
5. PARTITION DOORS ON WHEELCHAIR ACCESSIBLE AND AMBULATORY STALLS SHALL BE 34" WIDE UNO
6. PARTITION DOORS ON STANDARD STALLS SHALL BE 28" WIDE
7. PROVIDE BLOCKING AS REQUIRED AT SINKS AND FIXTURES PER MANUFACTURER'S RECOMMENDATION
8. FLOOR DRAINS IN CUSTOMER RESTROOMS ARE TO BE FLUSH WITH TOP OF FLOOR FINISH.
   - LEVEL SLAB TO DEPTH NEEDED FOR INSTALLATION OF CONCRETE OVERLAY, MATCH EXISTING GRADE
9. PATCH, REPAIR AND REPAINT GYPSUM BOARD CEILING TO MATCH ADJACENT FINISH WHEN LIGHTING IS TO BE REPLACED WITH RECESSED LIGHTS
10. INSTALL OWNER FURNISHED FOOT OPERATED DOOR OPENER ON ALL RESTROOM DOORS WITHOUT A LATCH
    - LOCATE IN LOWER CORNER ON PULL SIDE OF DOOR PER MFR'S RECOMMENDATIONS

KEYNOTES

6.27	48" HIGH WAINSCOT WITH OUTSIDE CORNER TRIM
10.06	TOILET PAPER HOLDER
10.07	SANITARY NAPKIN DISPOSAL
10.09	SOAP DISPENSER
10.10	DIAPER CHANGING TABLE
10.11	MIRROR
10.12	TOILET SEAT COVER DISPENSER
10.13	TOILET PARTITIONS(REF SPECS FOR TYPE AND HEIGHT)
10.14	GRAB BARS
10.15	URINAL SCREEN(REF SPECS FOR TYPE AND HEIGHT) WITH FULL LENGTH ANGLE MOUNTING BRACKETS
10.17	FREE STANDING TRASH RECEPTACLE, OWNER FURNISHED
10.26	COAT HOOK (INSTALL PLYWOOD BACKING)
10.35	ELECTRIC HAND DRYER (RECESSED)
15.02	WALL MOUNTED LAVATORY, REF MECH



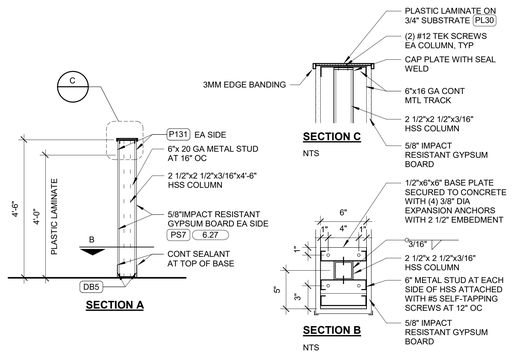
3-5/8" STUD WALL



6" STUD WALL

NON-RATED WALL AT DIAPER STATION

5 1 1/2" = 1'-0"



SECTION A

SECTION C

NTS

SECTION B

NTS

111, 112, 165, 166, 167 (CUSTOMER RESTROOMS), 113, 164 (RESTROOM ALCOVE)

GENERAL
- ALL WATER CLOSETS AND URINALS TO BE TEMPORARILY REMOVED FOR INSTALLATION OF FINISHES AND TO BE REPLACED IN SAME LOCATION

WALLS
- REF FINISH PLANS

FLOOR
- REF FLOOR FINISH PLANS

CEILING
- GYP BD: REF SHEET SA1 CEILING SCHEDULE FOR CLEANING. PAINT CEILING P131

REPAIR / REMOVE / REPLACE
- REPLACE ALL OUTLETS WITH WHITE
- REPLACE ALL COVER PLATES WITH BRUSHED STAINLESS STEEL, INCLUDING BLANK PLATES
- CLEAN OR REPLACE DAMAGED DIFFUSERS AND RETURNS AS REQUIRED
- FLUSH VALVE: REPLACE IF DAMAGED
- WATER CLOSET OR URINAL:
  - CLEAN AND REPAIR, REF SPECS
  - REPLACE IF UNABLE TO RESTORE TO LIKE NEW CONDITION

AIRPORT STYLE ENTRY ALCOVE

WALLS
- REF FINISH PLANS
- REPLACE OAK BOARD TRIM WITH ALUMINUM CORNER GUARDS

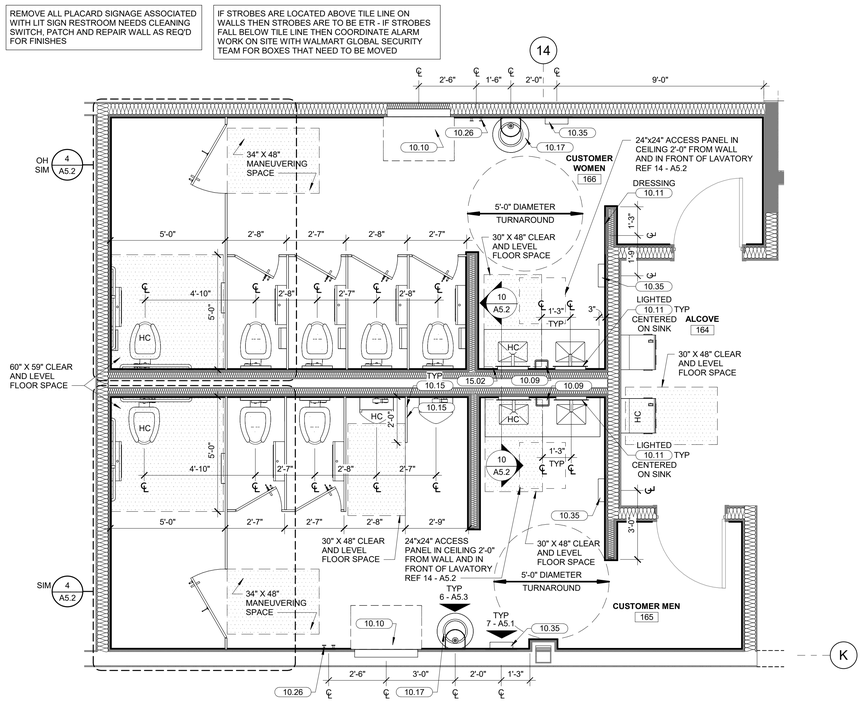
FLOOR
- REF FLOOR FINISH PLANS

KNEEWALL SECTION

4 1/2" = 1'-0"

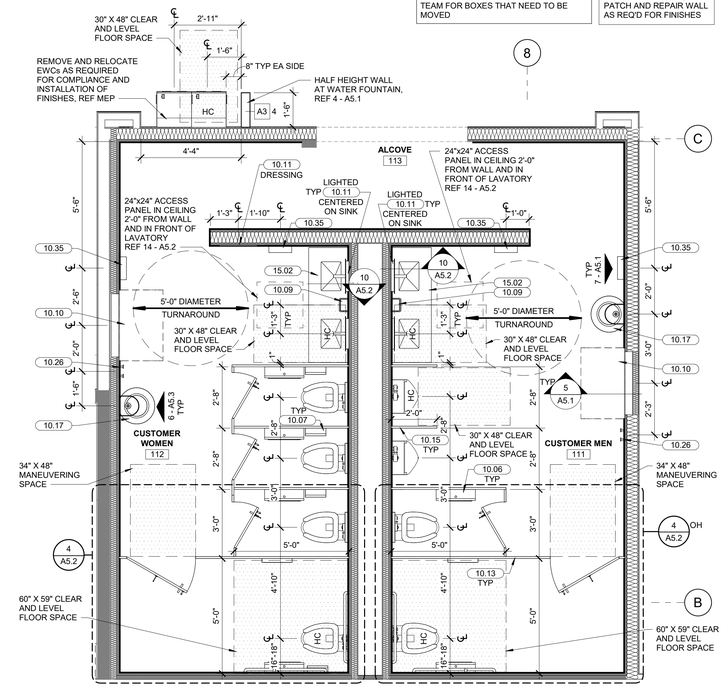
REMOVE ALL PLACARD SIGNAGE ASSOCIATED WITH LIT SIGN RESTROOM NEEDS CLEANING SWITCH, PATCH AND REPAIR WALL AS REQ'D FOR FINISHES

IF STROBES ARE LOCATED ABOVE TILE LINE ON WALLS THEN STROBES ARE TO BE ETR - IF STROBES FALL BELOW TILE LINE THEN COORDINATE ALARM WORK ON SITE WITH WALMART GLOBAL SECURITY TEAM FOR BOXES THAT NEED TO BE MOVED



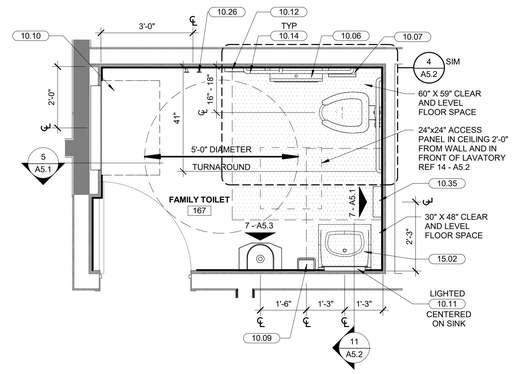
CUSTOMER REAR RESTROOM

2 3/8" = 1'-0"



CUSTOMER FRONT RESTROOM

1 3/8" = 1'-0"



FAMILY RESTROOM FLOOR PLAN

3 1/2" = 1'-0"

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810 ARCHITECTURE AVENUE
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FAX: 913-262-9044

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PROTO CYCLE:	03/29/24
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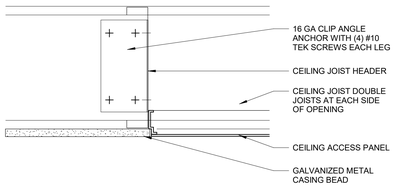
13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
06/13/2024

RESTROOM PLANS AND DETAILS

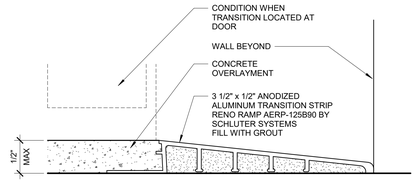
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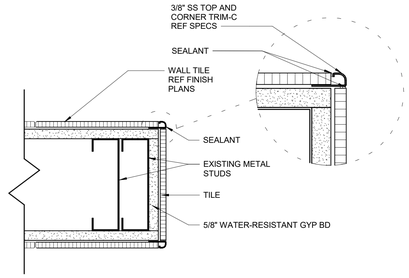
PRCTI20241053



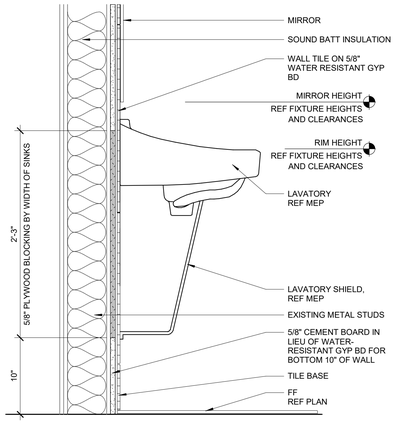
14 CEILING ACCESS PANEL
3" = 1'-0"



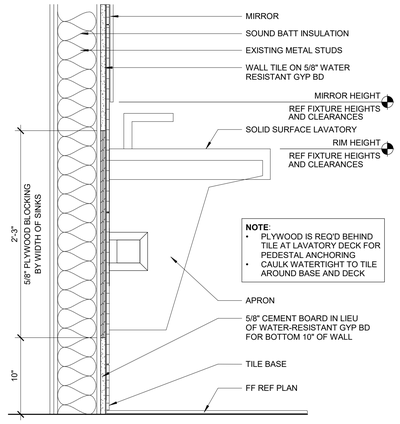
13 TRANSITION AT EXPOSED EDGE OF CONCRETE OVERLAY
12" = 1'-0"



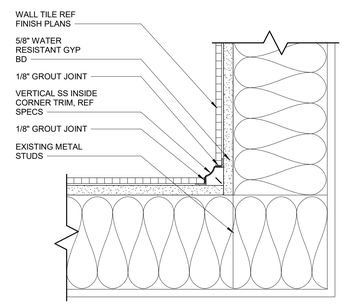
12 OUTSIDE CORNER DETAIL
3" = 1'-0"



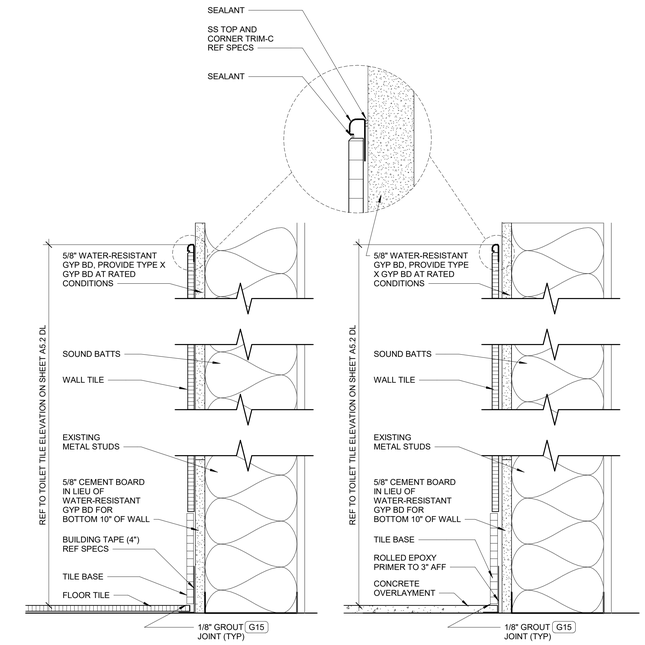
11 SECTION AT LAVATORY
1 1/2" = 1'-0"



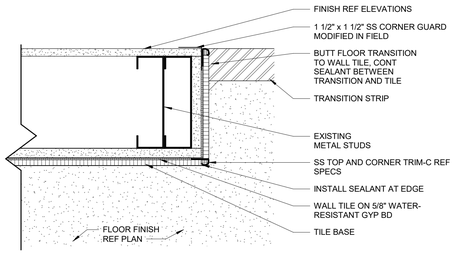
10 SECTION AT LAVATORY
1 1/2" = 1'-0"



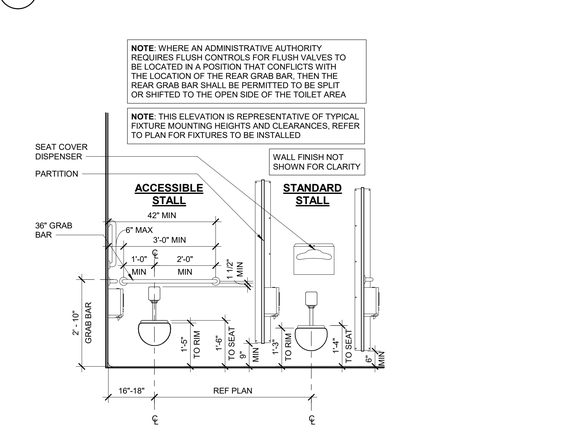
9 INSIDE CORNER SECTION
3" = 1'-0"



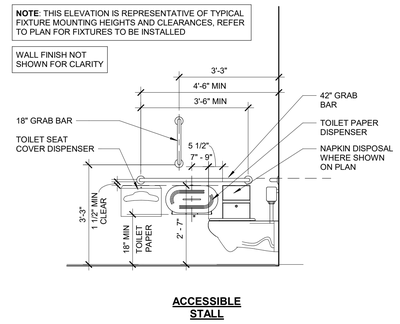
5 ENLARGED WALL SECTION
3" = 1'-0"



6 WALL END CAP
3" = 1'-0"

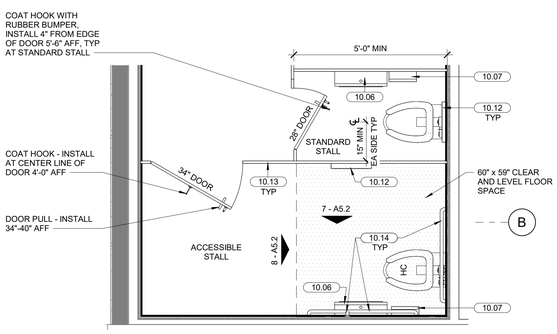


8 ENLARGED STALL ELEVATION
1/2" = 1'-0"

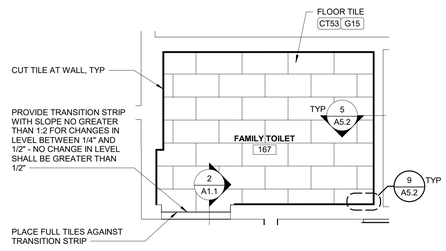


ACCESSIBLE STALL

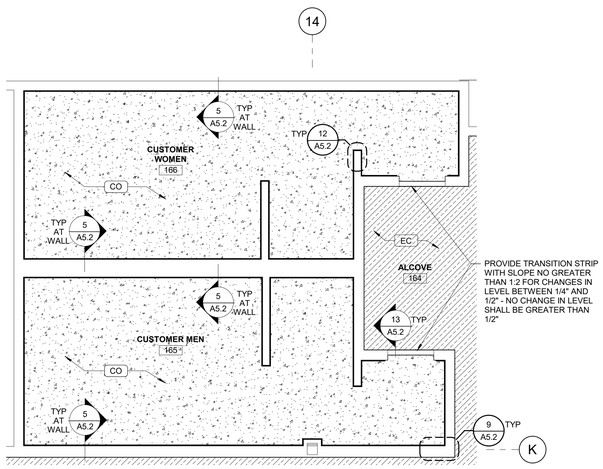
7 ENLARGED STALL ELEVATION
1/2" = 1'-0"



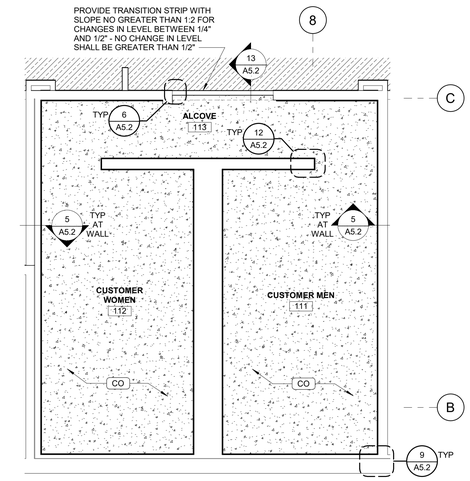
4 ENLARGED STALL PLAN
1/2" = 1'-0"



3 FLOOR FINISH PLAN FAMILY RESTROOM
3/8" = 1'-0"



2 FLOOR FINISH PLAN CUSTOMER REAR RESTROOM
1/4" = 1'-0"



1 FLOOR FINISH PLAN CUSTOMER FRONT RESTROOM
1/4" = 1'-0"

LEGEND

CONCRETE OVERLAY (CO)	REMOVE EXISTING PVC, VCT, TEXTURED VCT AND TILE - POLISH EC - REF SPECS
TILE	

KEYNOTES

10.06	TOILET PAPER HOLDER
10.07	SANITARY NAPKIN DISPOSAL
10.12	TOILET SEAT COVER DISPENSER
10.13	TOILET PARTITIONS(REF SPECS FOR TYPE AND HEIGHT)
10.14	GRAB BARS

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STATE OF WASHINGTON
06/13/2024

RESTROOM FLOOR FINISH PLANS AND DETAILS

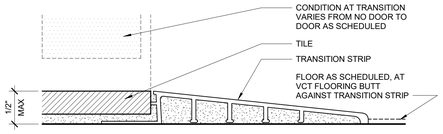
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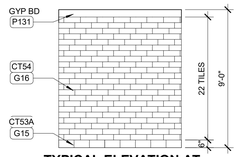
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KEYNOTES

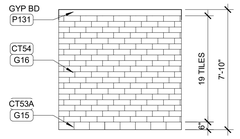
6.27	48" HIGH WAINSCOT WITH OUTSIDE CORNER TRIM



5 TRANSITION AT EXPOSED EDGE OF TILE
1/2" = 1'-0"

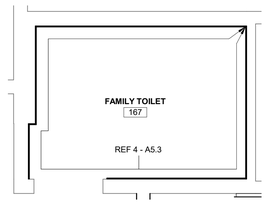


TYPICAL ELEVATION AT CUSTOMER RESTROOMS WITH 9'-0" CEILING HEIGHT

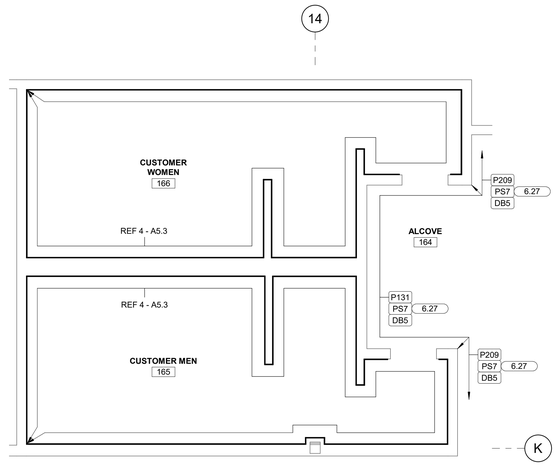


TYPICAL ELEVATION AT CUSTOMER RESTROOMS WITH 8'-0" CEILING HEIGHT

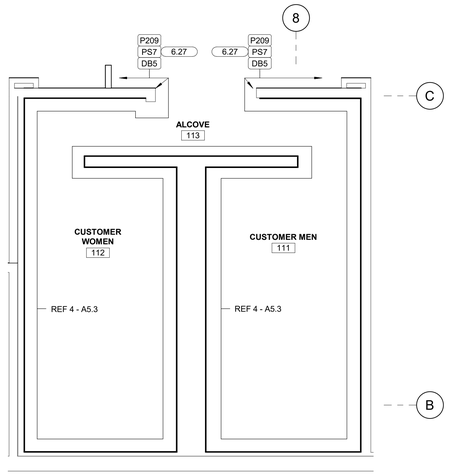
4 TOILET TILE ELEVATION
1/4" = 1'-0"



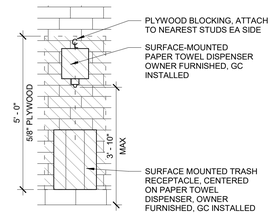
3 FINISH PLAN FAMILY RESTROOM
3/8" = 1'-0"



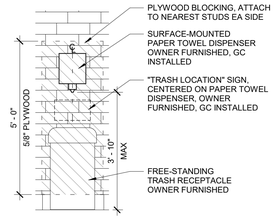
2 FINISH PLAN CUSTOMER REAR RESTROOM
1/4" = 1'-0"



1 FINISH PLAN CUSTOMER FRONT RESTROOM
1/4" = 1'-0"



7 PAPER TOWEL/TRASH
1/2" = 1'-0"



6 PAPER TOWEL/TRASH
1/2" = 1'-0"

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PROTO
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JOB NUMBER:

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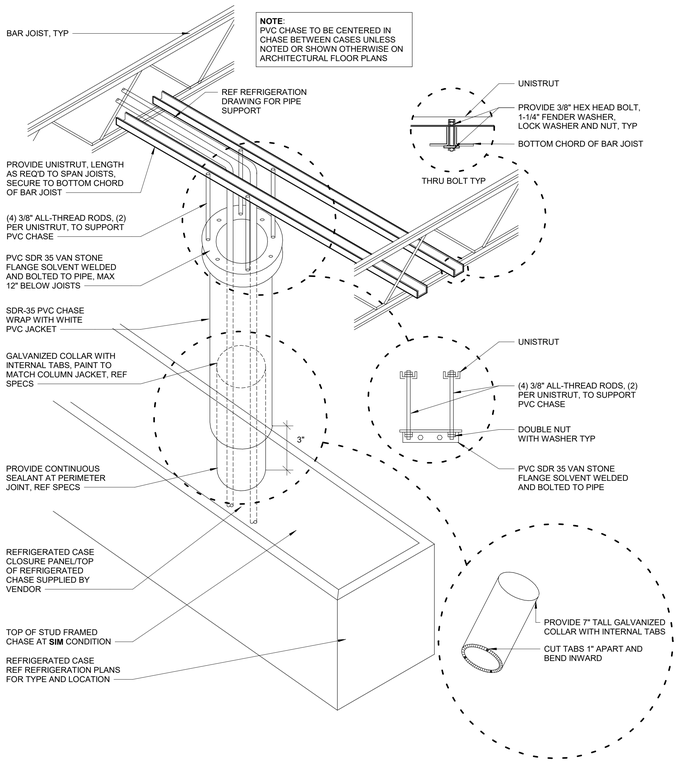
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SHEET NOTES

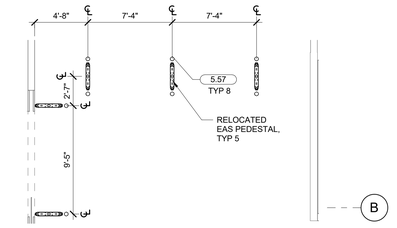
1. ALL ELECTRICAL WORK INCLUDING DATA AND POWER DISCONNECTION BY GC
2. REMOVAL AND REINSTALLATION OF POWER POLES BY GC, INSTALLATION OF POWER POLES BY GC
3. ALL REGISTERS TO BE REMOVED AND REINSTALLED OR INSTALLED BY WALMART
4. GC RESPONSIBLE FOR ALL ELECTRICAL WORK
5. GC RESPONSIBLE FOR ANCHORS AND ALL GONDOLA ANCHORAGE
6. GC TO REPAIR FLOOR AS REQUIRED AT LOCATIONS OF REMOVED REGISTERS AND FIXTURES
7. GC TO REF FIXTURE ANCHORAGE PLAN FOR ANCHORAGE REQUIREMENTS
8. GC TO INSTALL RAILING PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS FOR INSTALLATION AND ANCHORING

KEYNOTES

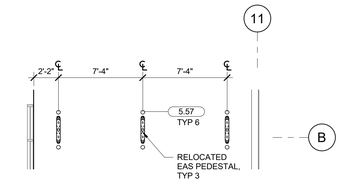
5.57 32" STAINLESS STEEL BOLLARD, 4" OD FURNISHED BY OWNER, INSTALLED BY GC



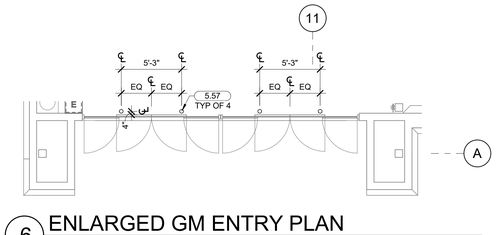
7 PVC REFRIGERATION CHASE
1/2" = 1'-0"



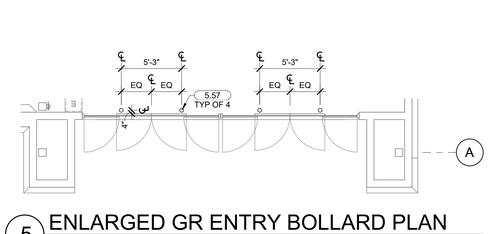
9 ENLARGED GR ENTRY PLAN
3/16" = 1'-0"



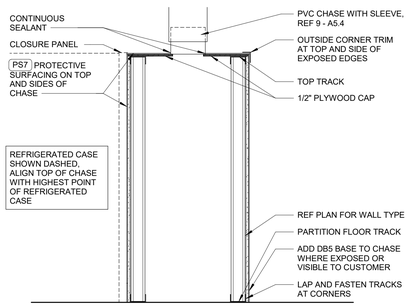
8 ENLARGED GM ENTRY PLAN
3/16" = 1'-0"



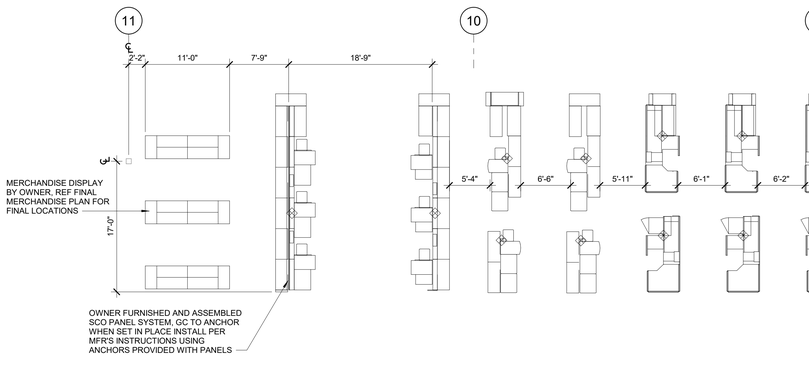
6 ENLARGED GM ENTRY PLAN
3/16" = 1'-0"



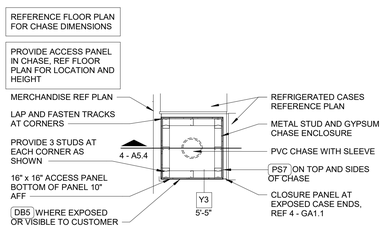
5 ENLARGED GR ENTRY BOLLARD PLAN
3/16" = 1'-0"



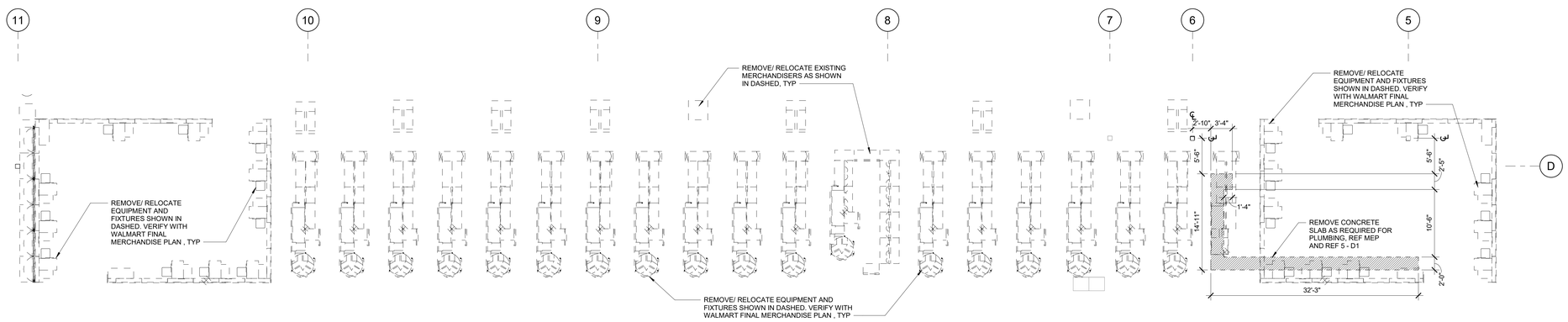
4 SECTION AT CHASE
3/4" = 1'-0"



3 ENLARGED CHECKOUT PLAN
1/8" = 1'-0"



2 REFRIGERATION CHASE
3/8" = 1'-0"



1 ENLARGED CHECKOUT DEMO PLAN
1/8" = 1'-0"

6/6/2024 4:28:41 PM

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STATE OF WASHINGTON
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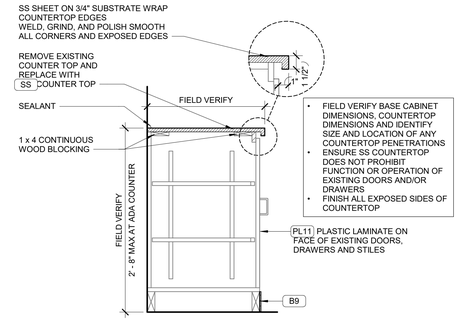
ENLARGED PLANS AND DETAILS

SHEET:
A5.4

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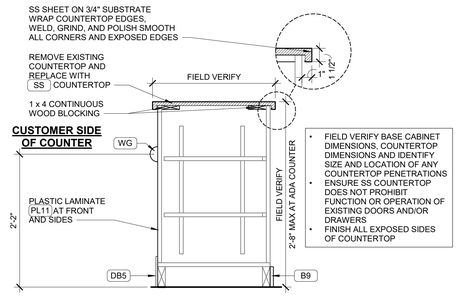
KEYNOTES

6.27	48" HIGH WAINSCOT WITH OUTSIDE CORNER TRIM
10.11	MIRROR
10.26	COAT HOOK (INSTALL PLYWOOD BACKING)



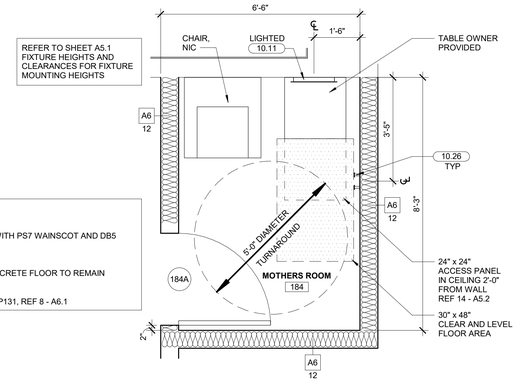
7 BASE CABINET SECTION

1" = 1'-0"



6 BASE CABINET SECTION

1" = 1'-0"



184 MOTHERS ROOM

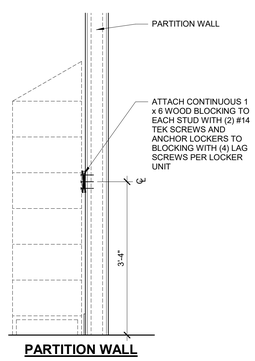
WALLS
- PAINT ALL WALLS P204 WITH PS7 WAINSCOT AND DB5 BASE UNO

FLOOR
- EXISTING EXPOSED CONCRETE FLOOR TO REMAIN

CEILING
- 5/8" GYP BD AT 9'-0" AFF P131, REF 8 - A6.1

5 ENLARGED MOTHER'S ROOM

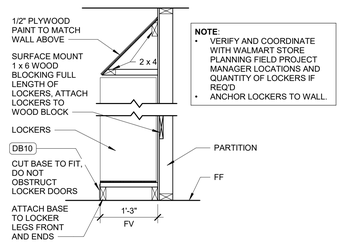
1/2" = 1'-0"



PARTITION WALL

4 LOCKER ANCHORAGE

3/4" = 1'-0"



NOTE:
- VERIFY AND COORDINATE WITH WALMART STORE PLANNING FIELD PROJECT MANAGER LOCATIONS AND QUANTITY OF LOCKERS IF REQ'D
- ANCHOR LOCKERS TO WALL.

3 LOCKER BASE AND TOP

3/4" = 1'-0"

155 STORAGE, 172 TRAINING

WALLS
- REF 1-A6 FOR FINISH DETAILS
- GYP BD: PATCH AND REPAIR, REF FINISH PLAN
- WAINSCOT: REPLACE IF DAMAGED, REF FINISH PLAN

FLOOR
- VCT: REMOVE TILE AND POLISH CONCRETE

CEILING
- 155 STORAGE: OTS
- 172 TRAINING: REF SHEET SA1 FOR CEILING SCHEDULE

MILLWORK
- ETR
- PAINT PIPE SUPPORT COUNTER LEGS P162
- REPLACE DAMAGED COUNTERTOPS

REPAIR / REMOVE / REPLACE
- REPLACE DAMAGED OUTLETS, NON-ALMOND TO MATCH EXISTING COLOR, REPLACE ALMOND WITH WHITE
- REPLACE CUSTOMER VISIBLE ALMOND OUTLETS WITH WHITE
- REPLACE DAMAGED AND CUSTOMER VISIBLE COVER PLATES WITH BRUSHED STAINLESS STEEL, INCLUDING BLANK PLATES
- CLEAN OR REPLACE DAMAGED DIFFUSERS AND RETURNS

120 AD OFFICE, 153 UPS, 170 UPC, 171 INVOICING, 177 ASSISTANT MANAGER'S OFFICE, 183 MANAGEMENT OFFICE

WALLS
- PAINT P131 TO CEILING

FLOOR
- ETR

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE

MILLWORK
- PAINT PIPE SUPPORT COUNTER LEGS P162
- SAND AND VARNISH OAK ON COUNTERTOP
- REPLACE COUNTERTOP TO MATCH EXISTING IF DAMAGED

158 REAR JANITOR

WALLS
- GYP BD: PATCH AND REPAIR. REF FINISH PLAN
- FRP/NRP:
  - AREAS NOT VISIBLE TO CUSTOMER: ONLY REPLACE TAN SHEETS THAT ARE DAMAGED OR UNCLEANABLE WITH WHITE (FRP1), WHEN AN INDIVIDUAL SHEET(S) IS REQUIRED TO BE REPLACED, REPLACE THE ENTIRE LENGTH OF THE WALL
  - AREAS VISIBLE TO CUSTOMER: REPLACE SHEETS THAT ARE DAMAGED OR TAN WITH WHITE (FRP1), EXCLUDE AREAS VISIBLE THROUGH TRAFFIC DOOR WINDOWS
- WAINSCOT: REPLACE IF DAMAGED, REF FINISH PLAN

REPAIR / REMOVE / REPLACE
- REPLACE MOP SINK IF BROKEN OR CRACKED

157, 161, 162, 176 CORRIDOR AND HALLWAY

WALLS
- PAINT P162 WAINSCOT TO 4'-0" AFF, AND P131 FROM 4'-0" AFF TO CEILING OR BOTTOM OF STRUCTURE

FLOOR
- ETR

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE

REPAIR / REMOVE / REPLACE
- REPLACE DAMAGED OUTLETS AND OUTLET COVER PLATES

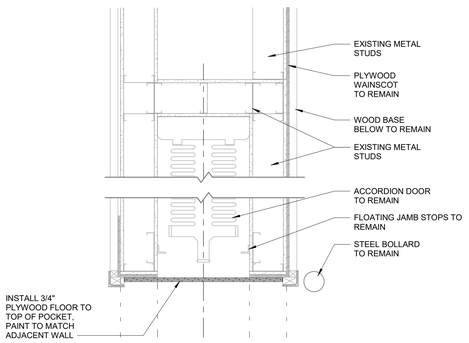
163 SITE TO STORE

WALLS
- GYP BD: PATCH AND REPAIR
  - PAINT ALL WALLS P209
  - INSTALL PS7 WAINSCOT AND DB5 BASE
- DEMISING WALL ON SALES FLOOR: REF 7-A1

FLOOR
- REF FLOOR FINISH PLAN

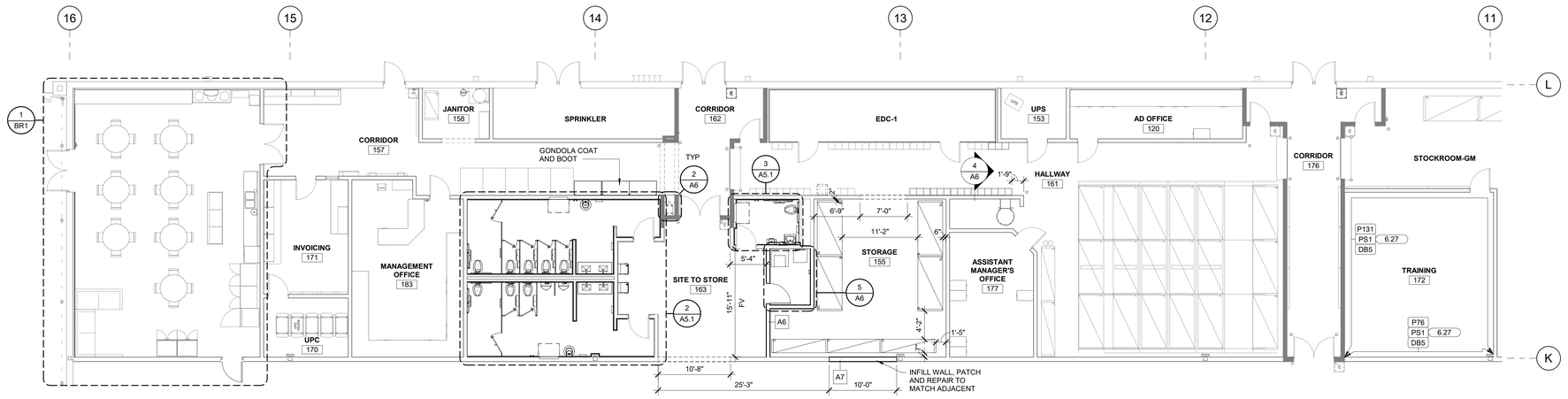
CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE

REPAIR / REMOVE / REPLACE
- REPLACE DAMAGED OUTLETS AND OUTLET COVER PLATES



2 JAMB AT WON DOOR

1" = 1'-0"



1 REAR OFFICE PLAN

1/8" = 1'-0"

ARCHITECT OF RECORD:
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ISSUE BLOCK

1	PR #1	08/20/24

CHECKED BY: ZSM EK KJS
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PROTO CYCLE: 03/29/24
DOCUMENT DATE: 05/10/24

PRCTI20241053

13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
09/06/2024

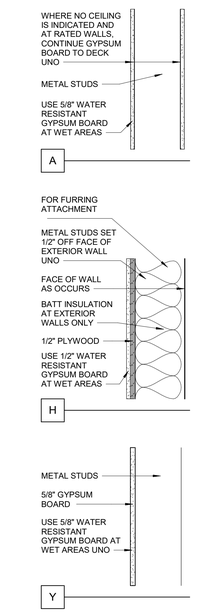
REAR OFFICE PLAN

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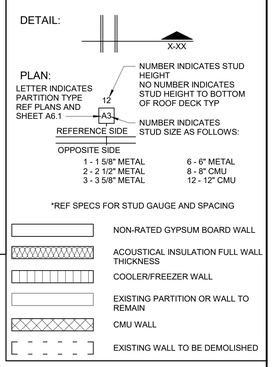
PARTITION TYPES



PARTITION NOTES

1. STUDS CONTINUE TO DECK UNO, REF CAPTURE TRACK DETAILS
2. USE 1/2" GYP BD ON NON-RATED PARTITIONS UNO
3. USE 5/8" TYPE X GYP BD ON FIRE RATED PARTITIONS
4. CONTINUE FINISH MATERIAL TO A MIN OF 4" ABOVE T.O. SUSPENDED CEILING SYSTEMS UNO
5. WHERE NO CEILING IS INDICATED CONTINUE FINISH TO DECK UNO
   a. MAINTAIN CLEARANCE BELOW STRUCTURE PER CAPTURE TRACK DETAILS
6. STUD PARTITIONS REQUIRING A FIRE RATING OF ONE HOUR SHALL COMPLY WITH UL #U419, UL #U465 OR UL#U442, MASONRY PARTITIONS REQUIRING ONE HOUR FIRE RATING SHALL COMPLY WITH UL #U905
7. MAX HEIGHT OF NON LOAD BEARING WALL ABOVE HEADER TO BE 14'-9"
8. REF SPECS FOR LATERAL BRACING OF STUD PARTITIONS
9. PROVIDE ALTERNATING DIAGONAL METAL STUD BRACING ABOVE CEILING FOR INTERIOR WALL STUDS THAT DO NOT GO TO DECK
10. USE GYP BD BEHIND ALL FRP BOARD UNO
11. WHERE NO CEILING IS SCHEDULED, STOP 1/2" PLYWOOD SUBSTRATE AT 10'-0" AFF
12. PROVIDE FIRE BLOCKING AT FLOOR AND ROOF LEVELS, CONCEALED SPACES BETWEEN STAIRWAY STRINGERS, PENETRATIONS IN FLOOR/CEILING ASSEMBLIES AND OTHER LOCATIONS AS REQ'D BY CODE
13. ROOMS THAT HAVE 5/8" IMPACT RESISTANT GYP BD TO 48" AFF NEED 5/8" GYP BD ABOVE 48" AFF
14. ON RESTROOM WALLS RECEIVING PORCELAIN TILE, UPPER PAINTED PORTION IS TO BE WATER RESISTANT GYP BD IN LIEU OF GLASS-MAT BACKER MATERIAL
15. WHEN MODIFYING OR BUILDING ANY FIRE RATED PARTITIONS, ENSURE ALL PENETRATIONS AND JOINTS ARE SEALED IN ACCORDANCE WITH SPECS
16. PROPERLY SEAL ALL EXISTING PENETRATIONS IN EXISTING FIREWALLS TO ACHIEVE 1 HOUR RATING
17. WALLS WITH AN UNSUPPORTED LENGTH GREATER THAN LIMITS LISTED IN SPECS ARE TO BE BRACED ABOVE CEILING AND AT NO GREATER THAN MAX UNSUPPORTED LENGTH
18. FOR PARTITION WALL FRAMING DAMAGE, REF 7 - A6.1

PARTITION LEGEND



brr

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JOB NUMBER: 9654624 PROTO: 192

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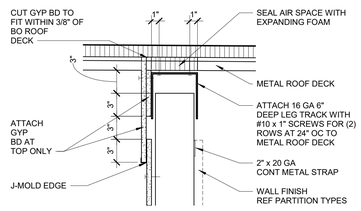
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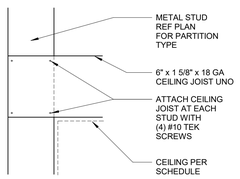
13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
06/13/2024

PARTITION TYPES AND WALL DETAILS

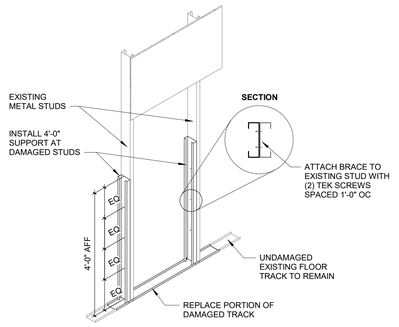
SHEET:
A6.1



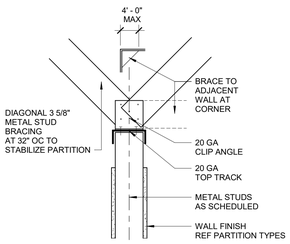
9 NON-RATED CAPTURE TRACK
1 1/2" = 1'-0"



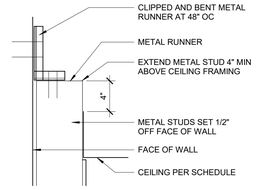
8 CEILING JOIST ATTACHMENT
1 1/2" = 1'-0"



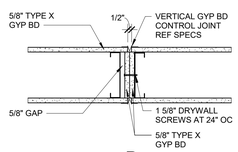
7 REPLACEMENT FRAMING DETAIL
1/2" = 1'-0"



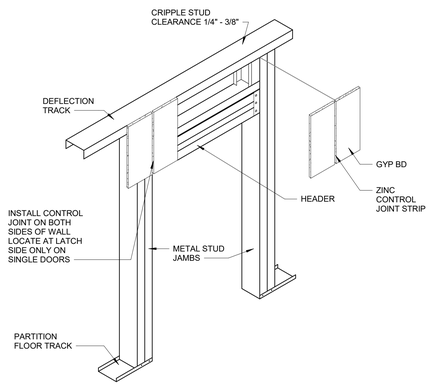
6 PARTITION BRACING
1 1/2" = 1'-0"



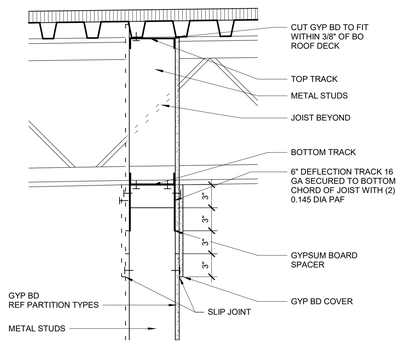
5 FURRING ATTACHMENT TO WALL
1 1/2" = 1'-0"



4 GYPSUM BOARD CONTROL JOINT
1 1/2" = 1'-0"



3 CONTROL JOINT AT DOOR JAMB
12" = 1'-0"

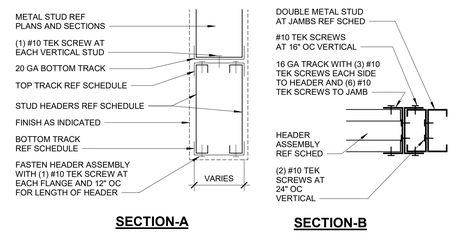


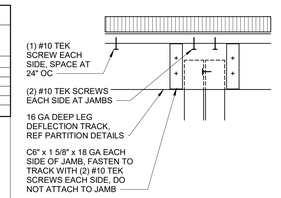
2 PARTITION ATTACHMENT AT PERPENDICULAR JOIST
1 1/2" = 1'-0"

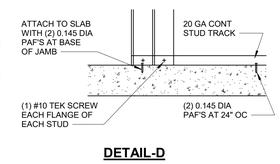
INTERIOR NON-LOAD BEARING PARTITION HEADER SCHEDULE

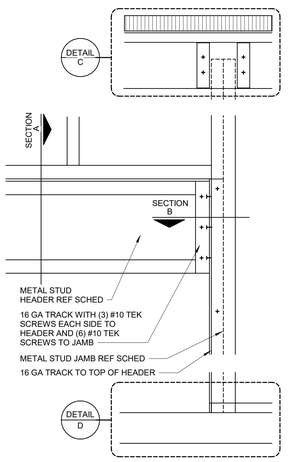
HEADER LENGTH	HEADER MEMBERS	HEADER TRACKS	JAMB STUDS
UP TO 4'-0"	(2) C3 5/8x1 1/4"x20 GA	(2) C3 5/8x20 GA	(2) C3 5/8x1 1/4"x20 GA
UP TO 10'-0"	(2) C6x1 5/8"x18 GA	(2) C6x18 GA	(2) C6x1 5/8"x18 GA
OVER 10'-0" AND UP TO 14'-0"	(2) C8x1 5/8"x18 GA	(2) C6x18 GA	(2) C6x1 5/8"x18 GA
OVER 14'-0" AND UP TO 18'-0"	(2) C8x1 5/8"x16 GA	(2) C6x16 GA	(2) C6x1 5/8"x16 GA
OVER 18'-0" AND UP TO 20'-0"	(2) C10x1 5/8"x16 GA	(2) C6x16 GA	(2) C6x1 5/8"x16 GA
OVER 20'-0" AND UP TO 24'-0"	(2) C12x1 5/8"x16 GA	(2) C6x16 GA	(2) C6x1 5/8"x16 GA

NOTES:
1. MAX WALL HEIGHT ABOVE HEADER ASSEMBLY IS 14'-9"
2. SPLICING OF HEADER AND JAMB MEMBERS IS NOT PERMITTED
3. MAX SPAN FOR OPENINGS TO RECEIVE INFILL BELOW HEADER IS 19'-0"
4. JAMBS NOT TO DECK ARE TO BE BRACED IN ACCORDANCE WITH PARTITION BRACING DETAILS. 3 5/8" JAMBS BEYOND 13'-4" ARE TO BE BRACED ABOVE OPENING AND SUCH THAT MAXIMUM UNBRACED LENGTH IS NOT EXCEEDED
5. FRAMING MEMBERS ARE NOT SIZED FOR VERTICAL LOAD OTHER THAN THAT OF PORTION OF WALL ABOVE OPENING









1 HEADER CONNECTION DETAIL
1 1/2" = 1'-0"

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PRCTI20241053

DOOR AND FRAME SCHEDULE

DETAIL REFERENCES ARE TO SHEET A8 UNO

MARK	ROOM NAME	DOOR NEW/ ETR	DOOR TYPE	DOOR MATERIAL	DOOR QTY	DOOR NOMINAL SIZE WIDTH	DOOR NOMINAL SIZE HEIGHT	DOOR GLASS	FRAME NEW/ ETR	FRAME TYPE	FRAME MATERIAL	DETAIL HEAD	DETAIL JAMB	DETAIL THRESHOLD	FIRE RATING (MIN)	NOTES	MARK
106A	RETURN STORAGE	NEW	F	HM-STL	1	3'-0"	7'-0"	---	NEW	2	HM-STL	1	2	3	---	2, 9, 27	106A
151A	BREAKROOM	NEW	F	HDPE	1	3'-0"	7'-0"	---	NEW	1	HM-STL	4	5	---	---	3	151A
184A	MOTHERS ROOM	NEW	F	HDPE	1	3'-0"	7'-0"	---	NEW	1	HM-STL	4	5	---	---	27, 28	184A
700A	OPTICAL SALES	NEW	F	HM-STL	1	3'-0"	7'-0"	---	NEW	2	HM-STL	1	2	3	---	2, 9, 27	700A
700B	OPTICAL SALES	NEW	X	AL	1	22'-6 1/2"	9'-0"	---	NEW	---	---	6	7	---	---	---	700B
806A	MONEY CENTER	NEW	F	HM-STL	1	3'-0"	7'-0"	---	NEW	2	HM-STL	1	2	3	---	2, 9, 27	806A

DOOR SCHEDULE NOTES

1. BUTTS OR HINGES
2. ALARM OR EXIT DEVICE AS SPECIFIED
3. LATCH OR LOCK SET AS SPECIFIED
4. PUSH AND/OR PULL
5. INSTALL AUTOMATIC CLOSER
6. REMOVE DOOR CLOSER, PATCH AS NEEDED
7. ARMOR PLATE AND/OR KICK PLATE
8. STOP, HOLDER, OR ELECTROMAGNETIC DOOR HOLDER
9. THRESHOLD
10. INSTALL CONTINUOUS GEARED HINGE
11. DOOR COORDINATOR
12. ELECTROMAGNETIC LOCK
13. LOCK GUARD
14. ONE-WAY VIEWER
15. INSTALL 5"X20" WINDOW IN DOOR
16. INSTALL FLEXIBLE STRIP CURTAIN
17. INSTALL SECTIONAL DOOR TRACK RETURN AT MAXIMUM HEIGHT AND AS CLOSE TO ROOF STRUCTURE AS ALLOWABLE BY MANUFACTURER
18. FULLY GASKETED FOR NEUTRALIZATION
19. PROVIDE 1" CLEARANCE BETWEEN EDGE OF STRIKE SIDE OF DOOR AND ADJACENT CASEWORK
20. COORDINATE INSTALLATION OF SIGNAGE WITH DOOR MANUFACTURER: 1" HIGH LETTERS IN CONTRASTING COLORS TO BACKGROUND, TEXT TO READ "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED"
21. REMOVE EXISTING DOOR AND HARDWARE EXISTING FRAME TO REMAIN, INSTALL HINGE FILLER PLATE AND STRIKE FILLER PLATE IN HOLLOW METAL FRAME
22. FLEXIBLE TRAFFIC DOOR COLOR TO BE BLACK PAINT DOOR FRAME P36, DO NOT PAINT STAINLESS STEEL FRAMES
23. INSTALL HINGE FILLER PLATE PRIOR TO INSTALLATION OF CONTINUOUS HINGE
24. PROVIDE VENDOR WITH FIELD VERIFIED DIMENSION OF CLEAR WIDTH AFTER REFRIGERATED CASES HAVE BEEN INSTALLED, DOOR COLOR TO BE BLACK
25. SHELF ON DOOR TO BE STRIPPED, CLEANED, AND REFINISHED
26. SIGNAGE: PROVIDE 1" HIGH LETTERS IN CONTRASTING COLORS TO BACKGROUND, TEXT TO READ "IN EMERGENCY PUSH TO OPEN"
27. DOOR AND DOOR FRAME SHALL BE OWNER FURNISHED, GC INSTALLED, REF SPECS
28. DOOR TO BE FACTORY FINISH, DO NOT PAINT
29. NOT USED
30. NOT USED
31. NOT USED
32. NOT USED
33. NOT USED
34. CONTAINER AND DOOR MANUFACTURERS TO COORDINATE INSTALLATION OF DOORS
35. DOOR TO BE FACTORY FINISHED BLACK COLOR - DO NOT PAINT
36. 32" MIN CLEAR WORTH OF PASSAGEWAY AFTER INSTALLATION
37. NOT USED
38. PREFINISHED DOOR AND HARDWARE FURNISHED AND INSTALLED BY VENDOR
39. DOOR AND HARDWARE FURNISHED, INSTALLED, AND PAINTED BY GC
40. AUTOMATIC OPENER INSTALLED BY VENDOR
41. CARD READER AND STAND ALONE ALARM INSTALLED BY VENDOR
42. INSTALL STOREROOM LOCK
43. DOOR BY IPB MANUFACTURER
44. IPB AND DOOR MANUFACTURERS TO COORDINATE INSTALLATION OF DOORS
45. NOMINAL SIZE FOR HEIGHTS AND WIDTHS ARE DETERMINED BY PACKAGE HEIGHT AND WIDTH FROM DOOR VENDOR
46. NOT USED
47. NOT USED
48. NOT USED
49. NOT USED
50. NOT USED
51. NOT USED
52. NOT USED
53. NOT USED
54. CUSTOMER FACING PUSH-TO- EXIT DOOR LOCK RELEASE HARDWARE AND ACCESSORIES OWNER PROVIDED, GC INSTALLED, REF SPECS.
55. DOOR SHALL BE OWNER FURNISHED, GC INSTALLED

DOOR MATERIAL KEY

MARK	DESCRIPTION
ACRYL	ACRYLIC
AL	ALUMINUM LINK
ALUM	ALUMINUM
CL	CHAIN LINK
HDPE	RECYCLED HDPE (PLASTIC)
HM-STL	HOLLOW METAL - STEEL
OM	ORNAMENTAL METAL
PLAST	PLASTIC
STL	STEEL
STL-P	STEEL PIPE
STL-BP	STEEL BENT PLATE
TEMP	TEMPERED

GENERAL FINISH NOTES

1. PAINT ALL METAL DOOR FRAMES VISIBLE TO CUSTOMER, EXCEPT DOORS IN CMU WALLS, WITH EPOXY PAINT
   - PREP SURFACE TO BE PAINTED PER SPECS
2. PAINT ALL HM DOORS P162 UNO
3. PAINT ALL HM FRAMES LOCATED IN PAINTED WALLS P162 UNO
4. AT ROOMS SCHEDULED TO RECEIVE PAINT: OMIT PAINT AT WALLS CONCEALED BY HALF-GONDOLAS, WALL STANDARDS OR WAREHOUSE RACKING WITH PEG-BOARD BACKING
   - AT WALL STANDARDS, GONDOLAS AND WAREHOUSE RACKING WITHOUT PEG-BOARD BACKING, PAINT WALL TO BASE
5. AT EXPOSED PAINTED STRUCTURE OR DECK, PAINT CONDUIT, DUCTWORK AND FIRE SPRINKLER PIPING (FIRE SPRINKLER HEADS TO REMAIN UNPAINTED) TO MATCH ADJACENT STRUCTURE OR DECK
6. FOR PROTECTIVE WALL SURFACING WAINSCOT, INSTALL OUTSIDE CORNER TRIM, REF SPECS
7. WHERE PROTECTIVE SURFACING WAINSCOT IS TO BE INSTALLED, REMOVE EXISTING LAMINATE AND/OR FINISHES TO BASE SUBSTRATE PRIOR TO INSTALLATION OF PROTECTIVE SURFACING OVER EXISTING IS NOT ACCEPTABLE, NO EXCEPTIONS
8. TAN TRAFFIC DOOR FRAMES TO BE PAINTED BLACK

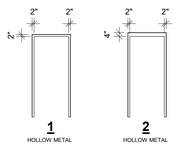
GENERAL DOOR NOTES

1. ALL DOORS SCHEDULED AS NEW ARE TO RECEIVE COMPLETE NEW HARDWARE SETS AS LISTED IN SPECS
2. REFERENCE ELEVATIONS ON A2 FOR EXTERIOR DOOR COLORS
3. SCHEDULED WIDTH AND HEIGHT INDICATE FINISHED OPENING SIZE AT ALL OVERHEAD AND COILING DOOR LOCATIONS
4. SCHEDULED WIDTH AND HEIGHT INDICATE ROUGH OPENING SIZE AT ALL AUTOMATIC SLIDING DOOR LOCATIONS
5. INSTALL DRIP CAP AT ALL NEW EXTERIOR DOORS
6. REPLACE ALL EXTERIOR HM DOOR WEATHERSTRIPPING AND CLEAN THRESHOLDS

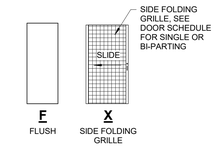
FINISH KEY

REF SPECS FOR EXACT COLORS REQUIRED

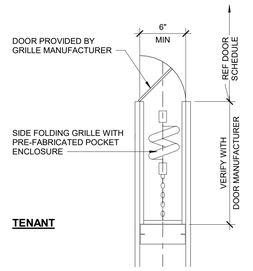
MARK	FINISH	COLOR	DESCRIPTION
ACT1-A	ACOUSTICAL CEILING TILE	WHITE	24"x48"x5/8"
ACT1-B	ACOUSTICAL CEILING TILE	WHITE	24"x24"x5/8"
ACT2-A	ACOUSTICAL CEILING TILE	WHITE	24"x48"x5/8" VINYL FACED NON-PERFORATED
ACT2-B	ACOUSTICAL CEILING TILE	WHITE	24"x24"x5/8" VINYL FACED NON-PERFORATED
ACT3	ACOUSTICAL CEILING TILE	WHITE	24"x48"
ACT4	ACOUSTICAL CEILING TILE	WHITE	24"x48"
ACTG	ACOUSTICAL CEILING GRID	WHITE	
B4	RESILIENT BASE	BLACK	4"
B6	PLASTIC BASE	BLACK	6"x1/4"
B9	PLASTIC BASE	BLACK	4"x1/4"
B10	PLASTIC BASE OUTSIDE CORNER	BLACK	
C1	CUSHION BACK TILE CARPET		
C3	CUSHION BACK TILE CARPET	CHARCOAL	
CC	CONCRETE CURB		
CO	CONCRETE OVERLAY		
CT2	ENTRY TILE	RED	12" x 24" x 3/8"
CT9	ACCENT TILE	ADOBE SUNSET	
CT13	PORCELAIN FLOOR TILE	BROWN	
CT18	SANITARY FLOOR MOLDING	SUNSET	
CT19	PORCELAIN WALL TILE	IVORY	5"
CT43	PORCELAIN WALL TILE	BEIGE	12" x 12" x 3/8"
CT44	PORCELAIN FLOOR TILE	GRAY	12" x 12" x 3/8"
CT45	WALL TILE	WHITE	4" x 8" x 3/8"
CT46	PORCELAIN WALL TILE	GREEN	4" x 8" x 3/8"
CT47	WALL TILE	BLUE	4" x 8" x 3/8"
CT48	FLOOR TILE	TAUPE GRADIENT	12" x 24" x 3/8"
CT48A	COVE BASE	TAUPE GRADIENT	6" x 12" x 3/8"
CT53	FLOOR TILE	DARK GRAY	12 x 24
CT53A	TILE BASE	DARK GRAY	6 x 12
CT53B	COVE BASE	DARK GRAY	6 x 6
CT54	WALL TILE	WHITE	4 x 12 LINEAR
DB5	DURO BASE	BLACK	5"
DB6	DURO BASE	BLACK	6"
DB10	DURO BASE	BLACK	10"
DP1	ALUMINUM DIAMOND (TREAD) PLATE	---	OWNER PROVIDED
EC	EXPOSED CONCRETE	CLEAR SEALER	
ETR	EXISTING TO REMAIN		
FRP1	FIBERGLASS REINFORCED PLASTIC	WHITE	FRP WALL PANEL
FRP2	FIBERGLASS REINFORCED PLASTIC	BEIGE	FRP WALL PANEL
FRP5	FIBERGLASS REINFORCED PLASTIC	ALMOND	FRP WALL PANEL
FT1	FAUX SUBWAY TILE	WHITE	
G1	GROUT	DARK GRAY	
G2	GROUT	DARK GRAY	
G3	GROUT	LIGHT TAN	
G4	GROUT	GRAY	
G7	GROUT	BROWN	
G9	GROUT	LT GRAY	
G13	GROUT	BEIGE	
G15	GROUT	BLACK	
G16	GROUT	GRAY	
HRC1	HEAT RESISTANT COATING	TO MATCH COPPER BROWN BY BERRIDGE	
HRC4	HEAT RESISTANT COATING	MATCH DARK GRAY	
ICC	INTEGRAL COLORED CONCRETE	BROWN	
LVT1	PLANK FLOORING	DARK WOODGRAIN	
LVT 2	PLANK FLOORING	LIGHT GRAY	
P3	PAINT	"LOYAL BLUE" #6510	
P5	PAINT	"SAFETY YELLOW" OSHA STANDARD	
P5E	PAINT	SAFETY YELLOW	
P8	PAINT	"PURE WHITE" # 7005	
P14	PAINT	"GOLDENROD" # 6677	
P15	PAINT	"SUMMIT GRAY" #7669	
P15E	PAINT	GRAY	
P16	PAINT	"SOFTWARE" #7074	
P21	PAINT	"SAFETY RED" #4081	
P21E	PAINT	SAFETY RED	
P33	PAINT	"DOVER WHITE" #6385	
P33E	PAINT	CREAM	
P36	PAINT	"DOMINO" #6989	
P36E	PAINT	BLACK	
P40	PAINT	"GARDENIA" #6665	
P49	PAINT	"GAUNTLET GRAY" #7019	
P49E	PAINT	DARK GRAY	
P57	PAINT	"ROYCROFT PEWTER" #2848	
P59	PAINT	"CLASSIC FRENCH GRAY" #0077	
P76	PAINT	"WALMART BLUE" #076	
P76U	PAINT	WALMART BLUE (URETHANE-LIKE)	
P81	PAINT	"TRICORN BLACK" #6258	
P83	PAINT	"COBBLE BROWN" #6082	
P93	PAINT	"TAMARIND" #7538	
P94	PAINT	"EXT DROMEDARY CAMEL" #7694 (EXT)	
P94E	PAINT	TAN	
P100	PAINT	"NOTABLE HUE" #6521	
P102	PAINT	"BEACH HOUSE" #7518	
P107	PAINT	"STRAW HARVEST" #7698	
P112	PAINT	"BUTTERFIELD" #6676	
P124	PAINT	"MEADOWLARK" #7522	
P124E	PAINT	LIGHT BROWN	
P131	PAINT	"WHITE FLOUR" #7102	
P134	PAINT	"REPOSE GRAY" #7015	
P134E	PAINT	LIGHT GRAY	
P135	PAINT	"DORIAN GRAY" #7017	
P135E	PAINT	MEDIUM GRAY	
P139	PAINT	"MELANGE GREEN" #6710	
P140	PAINT	"SNOWBOUND" #7004	
P140E	PAINT	WHITE	
P150	PAINT	"ONLINE" #7072	
P152	PAINT	NM BRAND GREEN - PANTONE 368C	
P159	PAINT	"CASA BLANCA" #7571	
P162	PAINT	"PEPPERCORN" #7674	
P162E	PAINT	BLACK GRAY	
P163	PAINT	"TURQUISH" #6939	
P164	PAINT	"ESSENTIAL GRAY" #6002	
P204	PAINT	"FESTOON AQUA" #0019	
P206	PAINT	"IBIS WHITE" #7000	
P207	PAINT	"CONTEMPORARY GRAY" #1465	
P208	PAINT	"CANDID BLUE" #6953	
P209	PAINT	"PASSIVE GRAY" #7064	
P213	PAINT	"VAST SKY" #6506	
PF4	LEAD-COTE	METALLIC	
PL3	PLASTIC LAMINATE	"ORGANIC COTTON" WILSONART 4945-38	
PL4	PLASTIC LAMINATE	MAPLE	
PL6	PLASTIC LAMINATE	LIGHT TAN	
PL11	PLASTIC LAMINATE	NORTH SEA GRAY	
PL12	PLASTIC LAMINATE	MYSTED ZEPHYR	
PL15	PLASTIC LAMINATE	BROWN	
PL20	PLASTIC LAMINATE	TAN	
PL22	PLASTIC LAMINATE	DEEPSTAR AGATE	
PL30	PLASTIC LAMINATE	"STEEL MESH" WILSONART 4879	
PL31	PLASTIC LAMINATE	"GREY" WILSONART 1500-60	
PL32	PLASTIC LAMINATE	"VISION VAVA" NEVAMAR VA2002	
PL34	PLASTIC LAMINATE	"DESIGNER WHITE" #D354	
PS1	PROTECTIVE SURFACE	WALMART MED BLUE IMPACT SPECIALTIES	
PS3	PROTECTIVE SURFACE	BRUSHED SURFACING	
PS4	PROTECTIVE SURFACE	"GLOWING EMBER" IMPACT SPECIALTIES	
PS5	PROTECTIVE SURFACE	"FRESH LINEN" IMPACT SPECIALTIES	
PS6	PROTECTIVE SURFACE	YELLOW	
PS7	PROTECTIVE SURFACE	"GRAY PATTERN"	
PS8	PROTECTIVE SURFACE	"MAPLE"	
PS9	PROTECTIVE SURFACE	"GLOSS WHITE"	
PS10	PROTECTIVE SURFACE	"BLACK"	
PS12	PROTECTIVE SURFACE	OAK RIFT NATURAL	
PVC1	PVC PLANK FLOORING	WOODGRAIN	
QT3	QUARRY TILE	GRAY	6"x6" ABRASIVE
QT31	QUARRY TILE	RED	6"x6" ABRASIVE
RB1	RESILIENT BASE	BLACK	4"x1/8"
RB5	RESILIENT BASE	NO. 179 STEEL, WITH TOE	
RCS1	RECYCLED CERAMIC SOLID SURFACE	GRENITE "BIRCH PRADA"	
RF1	RESINOUS FLOOR	GRAY	
RF2	RESINOUS FLOOR	RED	
RRF1	RECYCLED RUBBER FLOORING	BLACK/BLUE	
RRF2	RECYCLED RUBBER FLOORING	BLACK/GREEN	
RRF3	RECYCLED RUBBER FLOORING	GRAY	
SCB1	SANITARY COVE BASE	RED	8" H ANTIMICROBIAL PLASTIC FOR QT
SCB2	SANITARY COVE BASE	GRAY	8" H ANTIMICROBIAL PLASTIC FOR QT
SCB4	SANITARY COVE BASE	RED	8" H ANTIMICROBIAL PLASTIC
SCB5	SANITARY COVE BASE	GRAY	8" H ANTIMICROBIAL PLASTIC
SCB6	SANITARY COVE BASE	TAN	
SS	STAINLESS STEEL		
SST1	SOLID SURFACE		
TC	TEXTURED CONCRETE		
TS1	ALUMINUM TRANSITION STRIP		
VCT9	VINYL COMPOSITION TILE	WHITE	12"x12"x1/8"
VCT11	VINYL COMPOSITION TILE	BEIGE	12"x12"x1/8"
VCT20	VINYL COMPOSITION TILE	GRAY	12"x12"x1/8"
WB	2x8 WOOD BASE		
WB10	2x10 WOOD BASE		
WG	PLASTIC WALL GUARD	BLACK OR GRAY	



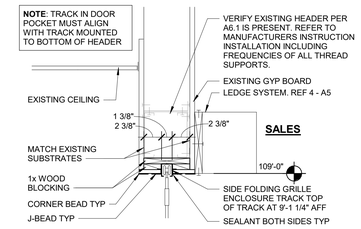
9 FRAME TYPES
3/16" = 1'-0"



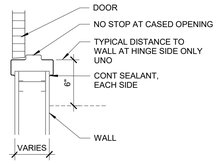
8 DOOR TYPES
3/16" = 1'-0"



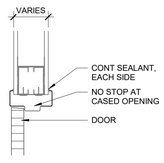
7 JAMB
1 1/2" = 1'-0"



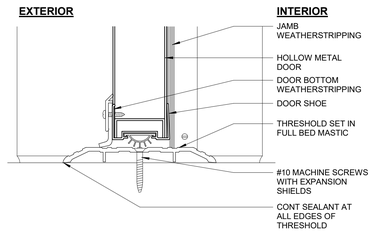
6 HEAD @ FOLDING GRILL
1 1/2" = 1'-0"



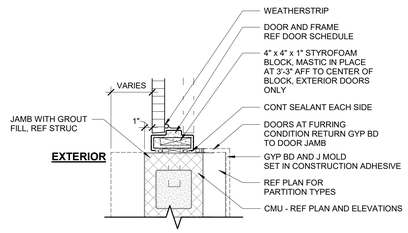
5 JAMB
1 1/2" = 1'-0"



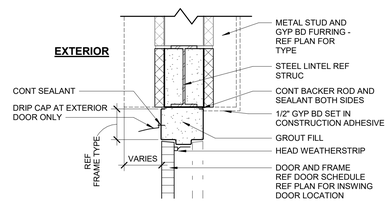
4 HEAD
1 1/2" = 1'-0"



3 THRESHOLD
3" = 1'-0"



2 JAMB
1 1/2" = 1'-0"



1 HEAD
1 1/2" = 1'-0"

brr

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MARIAH MEYER
STATE OF WASHINGTON
09/06/2024

DOOR SCHEDULE AND FINISHES

SHEET: A8

06/2024 3:37:57 PM

PRCTI20241053

151 BREAKROOM

WALLS
- REF FINISH PLAN FOR FINISH INFORMATION

FLOOR
- REMOVE VCT

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE

COLUMNS
- FURRED COLUMNS: REF FINISH PLAN FOR FINISH INFORMATION

MILLWORK
- IF DAMAGED RE-LAMINATE FRONT FACE AND SIDE FACES OF EXISTING CASEWORK
- STAINLESS STEEL COUNTERTOP: ETR, REFURBISH TO LIKE-NEW CONDITION
- EXISTING SOLID SURFACE OR LAMINATE COUNTERTOP: REPLACE COUNTERTOP WITH SS COUNTERTOP

REPAIR / REMOVE / REPLACE
- REPLACE DAMAGED OUTLETS, NON-ALMOND TO MATCH EXISTING COLOR, REPLACE ALMOND WITH WHITE
- REPLACE DAMAGED COVER PLATES WITH BRUSHED SS, INCLUDING BLANK PLATES
- CLEAN OR REPLACE DAMAGED DIFFUSERS AND RETURNS

SHEET NOTES

1. REFERENCE FINISH LEGEND AND SPECS FOR PAINT AND PROTECTIVE SURFACING

KEYNOTES

16.05 INSTALL INSECT CONTROL UNIT TYPE NOTED BESIDE UNIT. REFER TO N1 FOR LEGEND AND NOTES.

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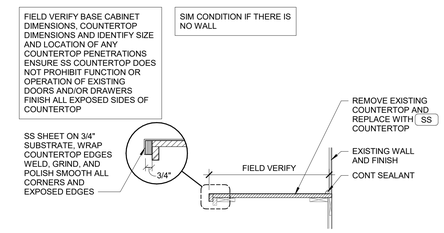
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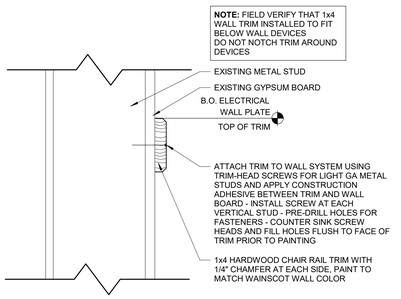
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STATE OF WASHINGTON
06/13/2024

BREAK ROOM PLAN AND DETAILS

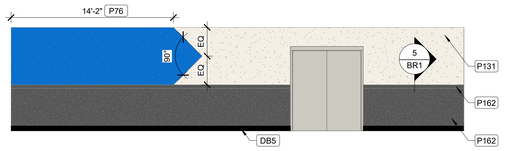
SHEET:
BR1



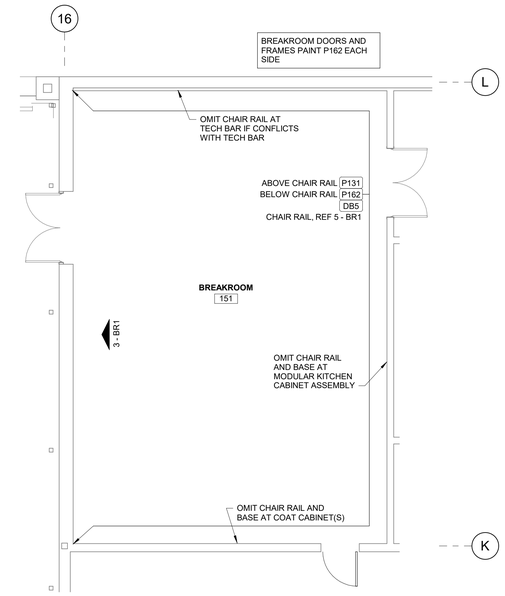
4 SS COUNTER TOP SECTION
1" = 1'-0"



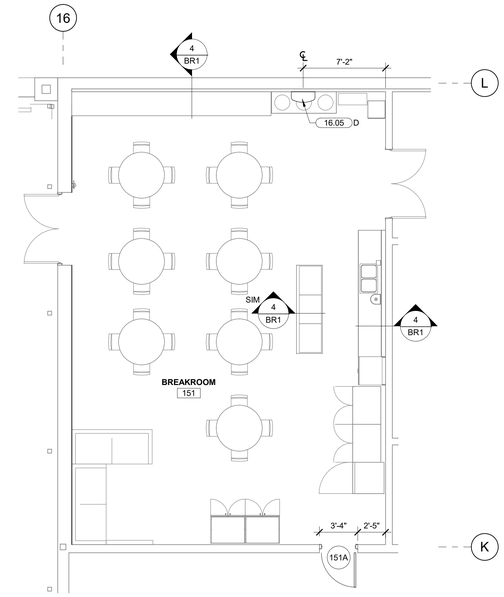
5 CHAIR RAIL WALL SECTION
3" = 1'-0"



3 BREAKROOM ELEVATION
3/16" = 1'-0"



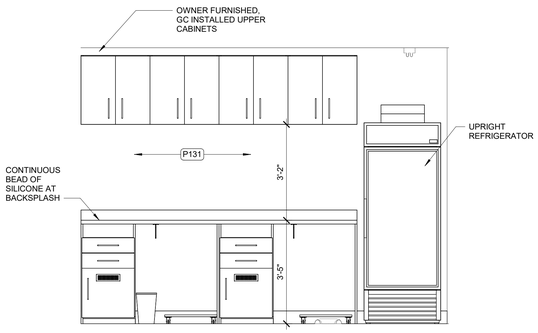
2 ENLARGED BREAKROOM FINISH PLAN
3/16" = 1'-0"



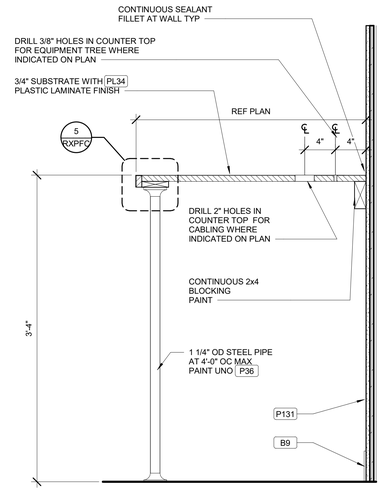
1 ENLARGED BREAKROOM PLAN
3/16" = 1'-0"

6/13/2024 11:15:02 AM

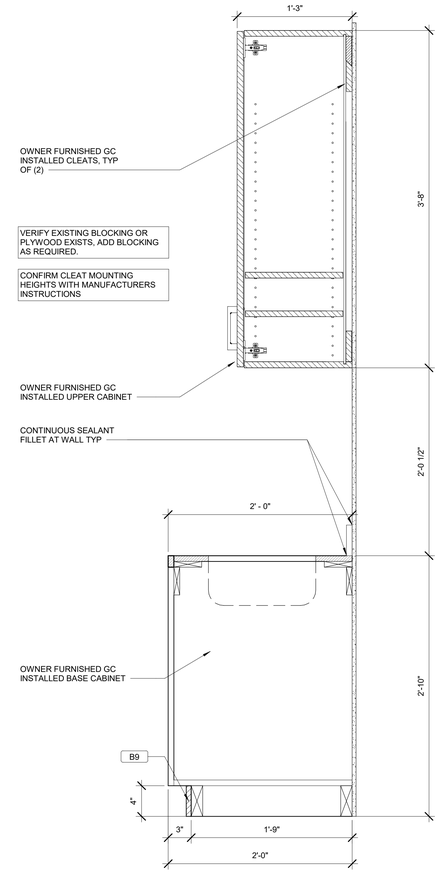
PRCTI20241053



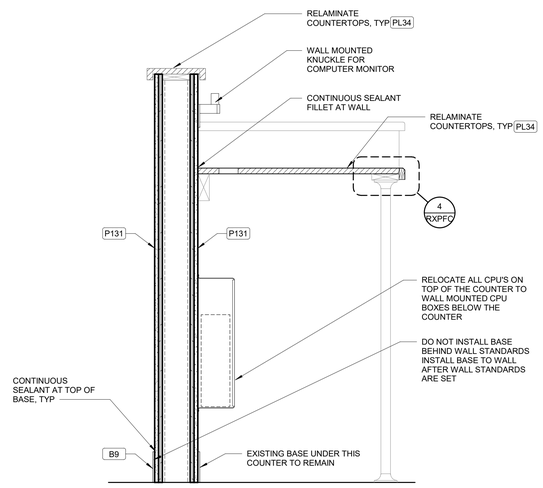
11 SIDE COUNTER ELEVATION
1/2" = 1'-0"



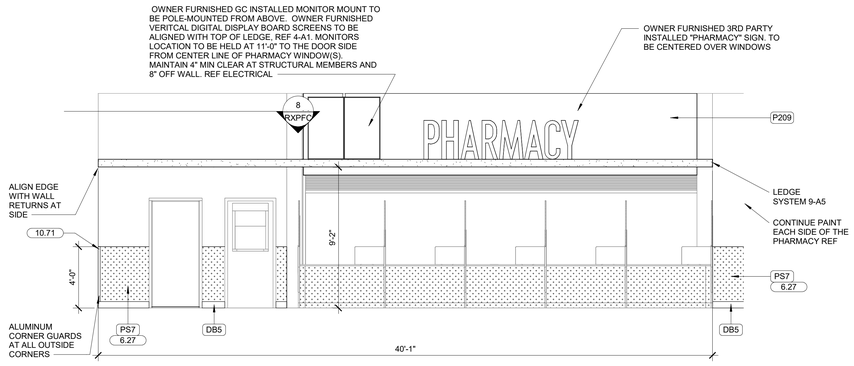
10 SECTION AT COUNTER
1 1/2" = 1'-0"



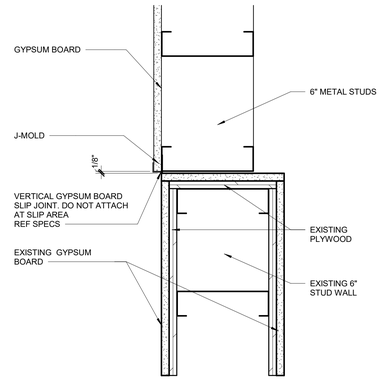
7 SINK CABINET SECTION
1 1/2" = 1'-0"



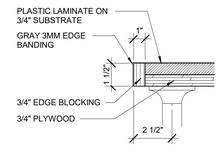
6 COUNTER SECTION
1 1/2" = 1'-0"



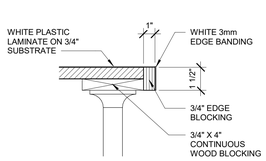
9 PHARMACY EXTERIOR ELEVATION
1/4" = 1'-0"



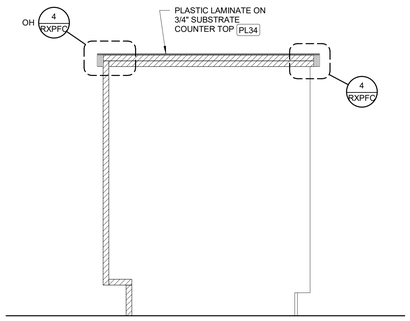
8 BULKHEAD CONTROL JOINT
3" = 1'-0"



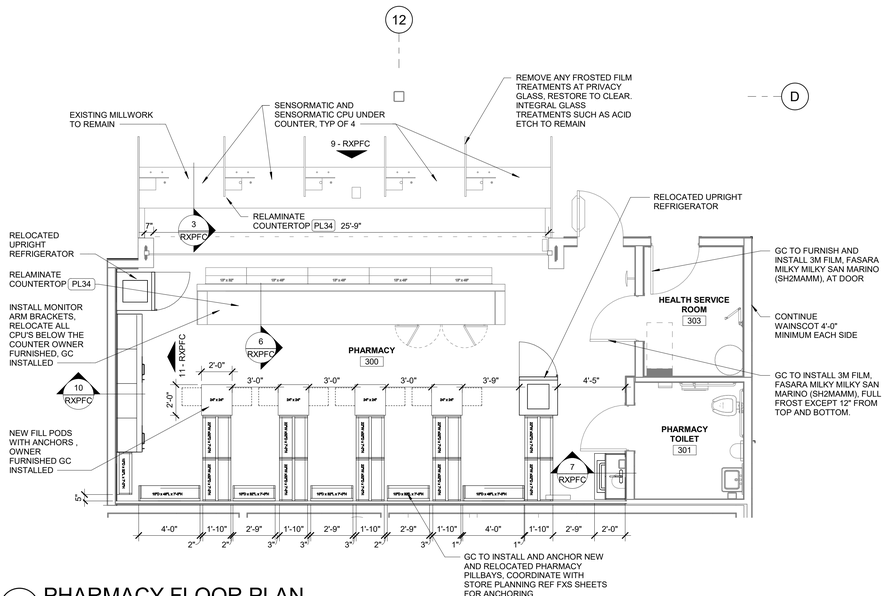
5 SECTION AT COUNTER EDGE
3" = 1'-0"



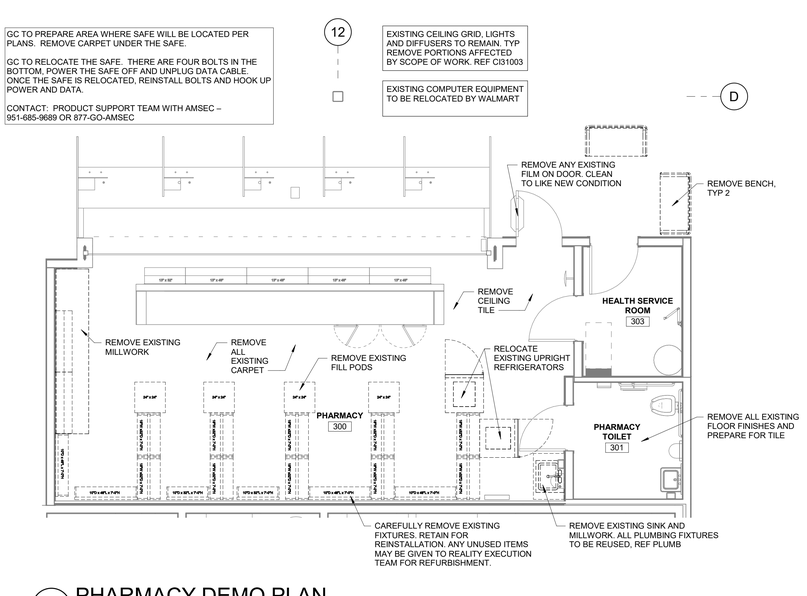
4 EDGE SECTION
3" = 1'-0"



3 COUNTER SECTION
1 1/2" = 1'-0"



2 PHARMACY FLOOR PLAN
1/4" = 1'-0"



1 PHARMACY DEMO PLAN
1/4" = 1'-0"

KEYNOTES

6.27	48" HIGH WAINSCOT WITH OUTSIDE CORNER TRIM
10.71	ALUMINUM CORNER GUARD

300 PHARMACY

WALLS
- PAINT ALL WALLS P131 SEMIGLOSS.
- INSTALL B9 ON ALL WALLS EXCEPT BEHIND PHARMACY RACKS
- REPAIR DAMAGED WALLS, BOTH INTERIOR AND EXTERIOR, TYP.

FLOOR
- REPLACE CUSHION BACK CARPET TILE C1 AND TRANSITION STRIP. REF A1.1 FOR FLOOR FINISH RESPONSIBILITY MATRIX.

CEILING
- REPLACE ALL CEILING TILE WITH ACT3. PAINT EXISTING GRID (P8)
- REF SHEET 9A1 FOR CEILING SCHEDULE.
- CLEAN EXISTING GRID, LIGHT LENSES, SECURITY GLOBES, SPRINKLER HEADS AND HVAC FIXTURES TO REMAIN.
- EXISTING LED LIGHTS TO REMAIN. REPLACE ALL NON-LED LIGHT FIXTURES WITH LED. REF ELEC.

MILLWORK
- RELAMINATE COUNTERTOPS PL34. REF 2-RXPFC FOR LOCATIONS.
- REF 4-RXPFC FOR EDGES AT ALL TOPS RECEIVING PLASTIC LAMINATE.

CUSTOMER FACING
- PAINT EXTERIOR WALL AT PHARMACY P209 BELOW 14'-0" AND P162 ABOVE 14'-0".
- INSTALL PLASTIC LAMINATE PS7 AND PLASTIC BASE DB5

PFC NOTES

1. WORK SHALL BE ACCOMPLISHED IN A MANNER THAT WILL NOT AFFECT CURRENT PHARMACY OPERATIONS.
2. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PROTECT PHARMACY EQUIPMENT DURING REPAIR WORK.
3. GENERAL CONTRACTORS SHALL LEAVE PHARMACY IN A CLEAN AND OPERATIONAL MANNER AT THE END OF EACH WORK SESSION
4. CUT CARPET AROUND FIXTURES AND SAFE.
5. REPLACE ALL GROMMET HOLES TO MATCH EXISTING LOCATIONS AND SIZES IN COUNTERS TO RECEIVE NEW WORK.
6. PAINT ALL EXISTING COUNTERTOP POST P36.
7. PAINT BOTH SIDES OF EXISTING DOORS AND FRAMES P162, TYP. ALL DOORS.

301 PHARMACY TOILET

WALLS
- CLEAN EXISTING WALLS. REF SPEC 01740.

FLOOR
- INSTALL FLOORING CT53A, G15
- INSTALL BASE CT33A, G15

CEILING
- PAINT P131. CLEAN EXISTING LIGHT LENSES, SPRINKLER HEADS AND HVAC FIXTURES TO REMAIN.

303 HEALTH SERVICE ROOM

WALLS
- PAINT ALL WALLS P131 AND 48" HIGH PS7 WAINSCOT ON ALL WALLS

FLOOR
- PIECE REPLACE DAMAGED

CEILING
- ETR

brr

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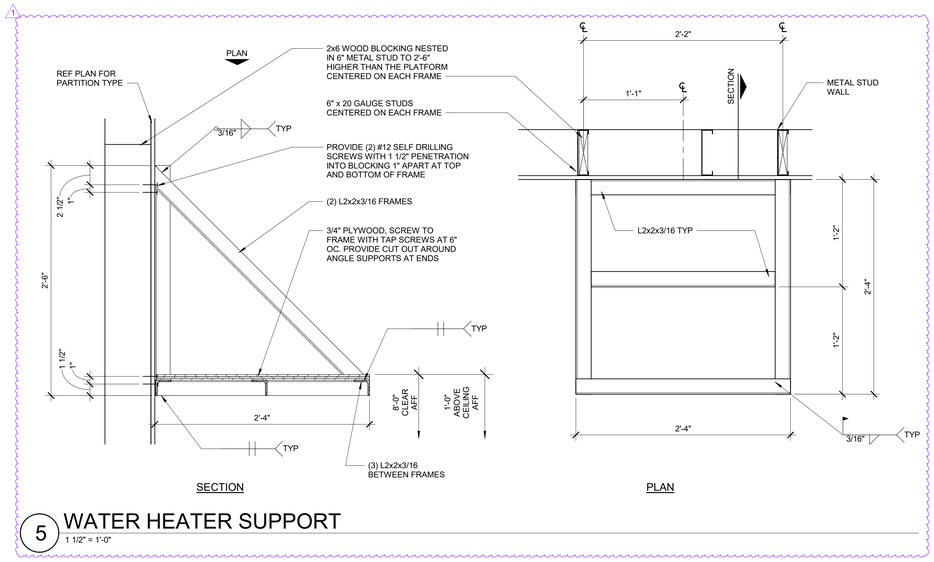
PRCTI20241053

13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
06/13/2024

PAINT, FIX, CLEAN (PFC) PLAN AND DETAILS

SHEET:
RXPFC

6/11/2024 3:43:49 PM



5 WATER HEATER SUPPORT

1 1/2" = 1'-0"

700 OPTICAL SALES

WALLS
- PAINT ALL WALLS P207, UNO.
- REFERENCE PLAN FOR LOCATIONS OF ACCENT WALL COLOR, P208.
- INSTALL BASE RB5.
- MATCH ADJACENT WALL TEXTURE FOR NEW WALLS.

FLOOR
- REMOVE ALL PVC FLOORING. EXISTING CONCRETE TO BE POLISHED CONCRETE.
- TRANSITION STRIPS REFERENCE 8-VC2.

CEILING
- INSTALL ACT3 TILES AND INTERMEDIATE TEES, AS REQUIRED FOR LIGHT FIXTURES.
- PAINT EXISTING GRID (P8).
- REFERENCE ELECTRICAL AND MECHANICAL FOR LIGHT AND DIFFUSER LOCATIONS.
- REFERENCE FIRE PROTECTION FOR MODIFICATIONS TO THE PSRINKLER SYSTEM.
- INSTALL CEILING FEATURE, EXISTING GRID TO REMAIN.

MILLWORK
- ALL OWNER FURNISHED, GC INSTALLED CASEWORK.

701 ADJUSTMENTS

WALLS
- PAINT ALL WALLS P207, UNO.
- INSTALL BASE RB5

FLOOR
- REMOVE ALL PVC FLOORING AND REPLACE W/ LVT2P
- CLEAN ICC TO LIKE NEW CONDITION
- TRANSITION STRIPS REFERENCE 8-VC2.

CEILING
- INSTALL ACT3 TILES AND INTERMEDIATE TEES, AS REQUIRED FOR NEW LIGHT FIXTURES.
- PAINT EXISTING GRID (P8).
- CLEAN AIR GRILLES AND DIFFUSERS, SECURITY GLOBES, AND SPRINKLER HEADS. REPLACE ANY DAMAGED ITEMS.
- INSTALL LED LIGHT FIXTURES IF EXISTING ARE NON-LED. CLEAN ALL EXISTING LED LIGHT FIXTURES.

MILLWORK
- ALL OWNER FURNISHED, GC INSTALLED CASEWORK.

702 CONTACTS, 703 PRETEST, 704 STORAGE, 705 EXAM #1, 706 EXAM #2, 707 WAITING

WALLS
- PAINT ALL WALLS P207, UNO.
- PLASTIC BASE IS EXISTING TO REMAIN. REPLACE DAMAGED PORTIONS.
- REPAIR DAMAGED WALLS. REFERENCE PLAN FOR LOCATIONS OF ACCENT WALL COLOR P213.

FLOOR
- EXISTING LAMINATE TO REMAIN.
- REPLACE EXISTING FLOORING WITH LVT2P.
- REPLACE CARPET PIECES AT AREAS OF DAMAGE. PROFESSIONALLY CLEAN.
- CLEAN ICC TO LIKE NEW CONDITION

CEILING
- INSTALL ACT3 TILES AND INTERMEDIATE TEES, AS REQUIRED FOR LIGHT FIXTURES.
- PAINT EXISTING GRID (P8).
- CLEAN AIR GRILLES AND DIFFUSERS, SECURITY GLOBES, AND SPRINKLER HEADS. REPLACE ANY DAMAGED ITEMS.
- REF MEP FOR LED LIGHT REPLACEMENTS. CLEAN ALL EXISTING LED LIGHT FIXTURES REMAINING.

MILLWORK
- EXISTING CASEWORK TO REMAIN, UNO.

DEMOLITION NOTES

1. ALL WALL COVERING TO BE REMOVED FROM EXISTING WALLS. PATCH AND REPAIR ALL GYPSUM BOARD SURFACES TO MATCH ADJACENT AND READY TO RECEIVE FINISHES.
2. REMOVE ALL ELECTRICAL OUTLETS ABOVE EXISTING SLAT WALL. REMOVE OUTLET BOX, CONDUIT, AND ELECTRICAL WIRE BACK TO NEAREST J-BOX. CAP WIRE AT J-BOX. PATCH AND REPAIR WALL TO MATCH ADJACENT.

PFC NOTES

1. WORK SHALL BE ACCOMPLISHED IN A MANNER THAT WILL NOT AFFECT CURRENT VISION CENTER OPERATIONS.
2. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PROTECT VISION CENTER EQUIPMENT DURING REPAIR WORK.
3. GENERAL CONTRACTORS SHALL LEAVE VISION CENTER IN A CLEAN AND OPERATIONAL MANNER AT THE END OF EACH WORK SESSION.
4. PATCH AND REPAIR ANY EXISTING DAMAGED WALLS AND PREPARE TO RECEIVE FINISHES TO MATCH ADJACENT EXISTING WALL.

SHEET NOTES

1. ALL ELECTRICAL WORK INCLUDING DATA AND POWER DISCONNECTION BY GC.
2. REMOVAL OF POWER POLES AND REINSTALLATION OF NEW POLES BY GC. DATA LINES BY OTHERS.
3. GENERAL CONTRACTOR RESPONSIBLE FOR ALL ELECTRICAL AND PLUMBING WORK.
4. GC RESPONSIBLE FOR ANCHORING ALL MILLWORK TO PREVENT OVERTURNING. REFERENCE MILLWORK MANUFACTURERS INSTRUCTIONS FOR CLEAT HEIGHTS.
5. CAULK ALL COUNTERS AND BACKSPLASHES TO THE WALL.
6. PATCH AND REPAIR WALLS AT ANY REMOVED ELECTRICAL BOXES.
7. ALL NEW COUNTERS, CASEWORK, SHELVES, MILLWORK, DISPENSERS, ARE TO BE FURNISHED BY WALMART AND INSTALLED BY GC.
8. COMPUTER SYSTEMS AND EQUIPMENT FURNISHED AND INSTALLED BY OWNER UNO.
9. INTERIOR PLAN DIMENSIONS ARE TO FACE OF FINISH AT EXISTING WALLS.
10. IF SOUND ATTENUATION INSULATION DOES NOT EXIST IN EXISTING EXAM ROOM WALLS ADJACENT TO RESTROOM, INSTALL CONTINUOUS SOUND ATTENUATION INSULATION FLOOR TO CEILING.
11. IF SOUND ATTENUATION INSULATION DOES NOT EXIST IN EXISTING EXAM ROOM CEILING, INSTALL NEW SOUND ATTENUATION INSULATION ABOVE THE CEILING.
12. UNLESS FLOOR BOXES ARE STILL IN SERVICE EXISTING FLOOR BOXES IN VISION CENTER TO BE ABANDONED, REF ELECTRICAL FOR DEMOLITION OF EXISTING CIRCUITRY. REMOVE AND INFILL ABANDONED FLOOR RECESSED ELECTRICAL AND DATA OUTLETS. PATCH AND REPAIR SUBSTRATE FOR NEW FLOOR FINISHES.
13. ALL NEW WALLS IN OPTICAL SALES SHALL HAVE 1/2" PLYWOOD TO UNDER 1/2" GYPSUM BOARD.
14. PATCH AND REPAIR ALL WALL AREAS TO MATCH ADJACENT SURFACES AND FINISHES. NEW WALL SURFACES IN OFFICES TO RECEIVE MATCHING ORANGE PEEL TEXTURE IF EXISTING.
15. INSTALL BASE AFTER INSTALLATIONS OF OWNER FURNISHED CABINETS.
16. RELOCATE EXISTING PAPER TOWEL AND SOAP DISPENSERS.
17. PAINT ALL HOLLOW METAL DOORS AND FRAMES P182 INCLUDING DOCTORS AREA. DO NOT PAINT PLASTIC DOOR SLABS.
18. ALL WOOD MATERIAL SHOWN IN DETAILS ON THIS SHEET SHALL BE FIRE RETARDANT TREATED WOOD (FRTW) IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE SECTION 603.1. THIS INCLUDES ALL REFERENCES TO "BLOCKING", "NAILERS", "PLYWOOD", "SHEATHING", AND IF APPLICABLE "WOOD STUDS"
19. DO NOT DISTURB / MOVE DOCTORS EQUIPMENT IN EXAM / PRETEST. CAREFULLY PAINT AROUND AND DO NOT REPLACE FLOOR TILE THAT WOULD DISTURB DOCTORS EQUIPMENT.
20. PROVIDE ADEQUATE PROTECTION FOR EQUIPMENT.

ITEMS TO BE RELOCATED FROM THE EXISTING VISION CENTER: STORE PLANNING TO RELOCATE EQUIPMENT. GC TO RELOCATE MILLWORK AND CONNECT TEMPORARY POWER. WM TO INSTALL TEMPORARY DATA. COORDINATE WITH VC MANAGER.

CURRENT POS CASH WRAP:
- REGISTER
- PIN PAD
- SCANNER
- PRINTER / FAX
- CISCO PHONE
- BLACK BOX FOR HIPAA STORAGE OR SHREDDER
- IPADS

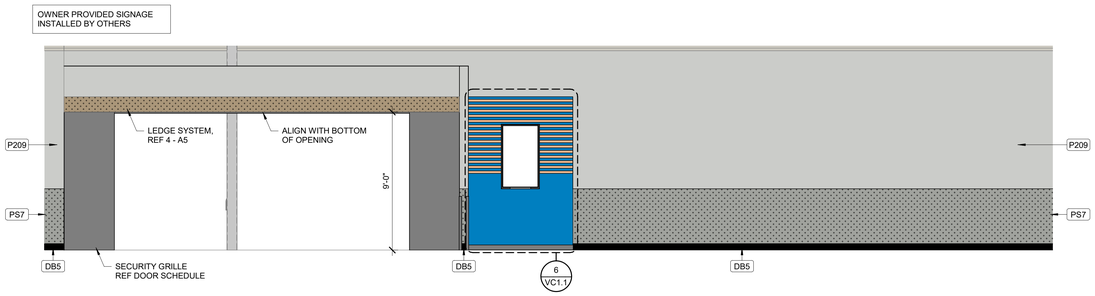
FITTING TABLE:
- ONE BOSS TERMINAL WITH PRIVACY SCREEN
- 2-3 CHAIRS
- PATIENT MIRRORS

FILING CABINETS:
- 2 DRAWER FILING CABINET FOR CURRENT PATIENT RECORDS AWAITING ORDER PICK UP / CAN ALSO BE USED FOR STORAGE OF CONTACT LENSES

CABINET:
- ONE TRAY PROCESSING LOCKING CABINET TO STORE DISPENSING TRAYS FOR PATIENT ORDERS / CAN ALSO BE USED FOR STORAGE OF CONTACT LENSES

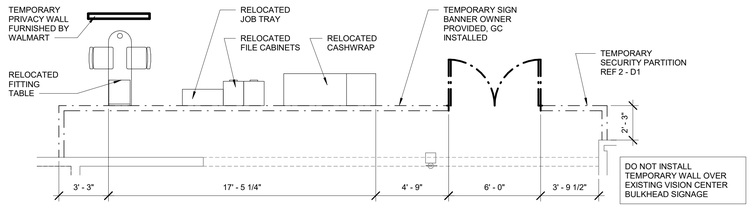
OPTICAL EQUIPMENT:
- LENSOMETER
- FRAME WARMER
- CURRENT TOOLS FOR ADJUSTMENTS (TOOLS, SCREWS, PARTS, ETC)
- ULTRASONIC CLEANER
- TRACER
- PUPILOMETER
- TC70 OR MC40

SPACE ON CASH WRAP AREA TO DISPLAY:
- LICENSES (VC AND OPTICIAN LICENSES AS REQUIRED BY LAW)
- HOURS OF OPERATIONS SIGN
- HIPAA, LEP, ADA AND OTHER COMPLIANCE SIGNS



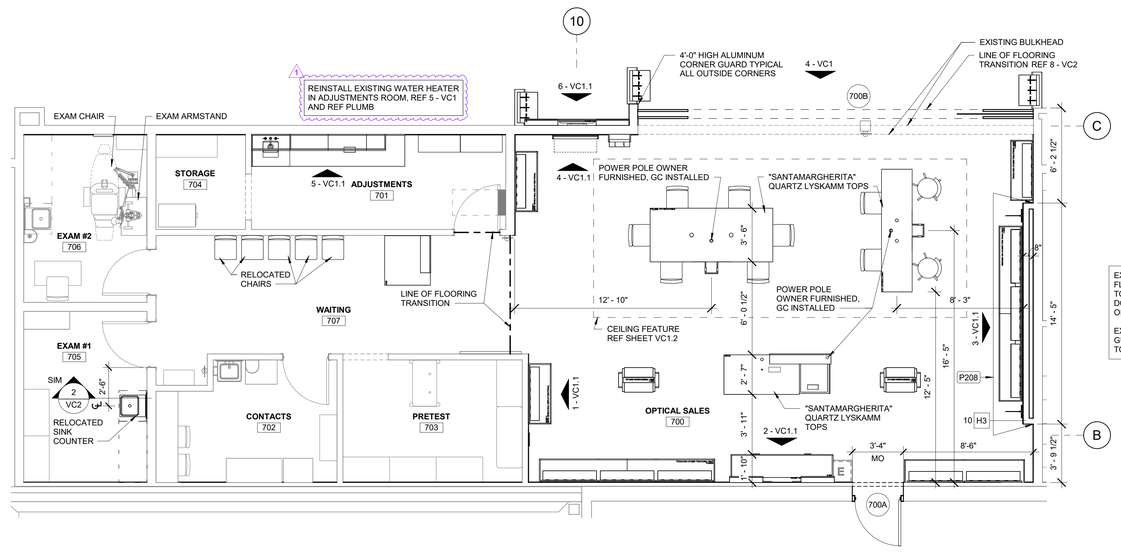
4 EXTERIOR ELEVATION

1/4" = 1'-0"



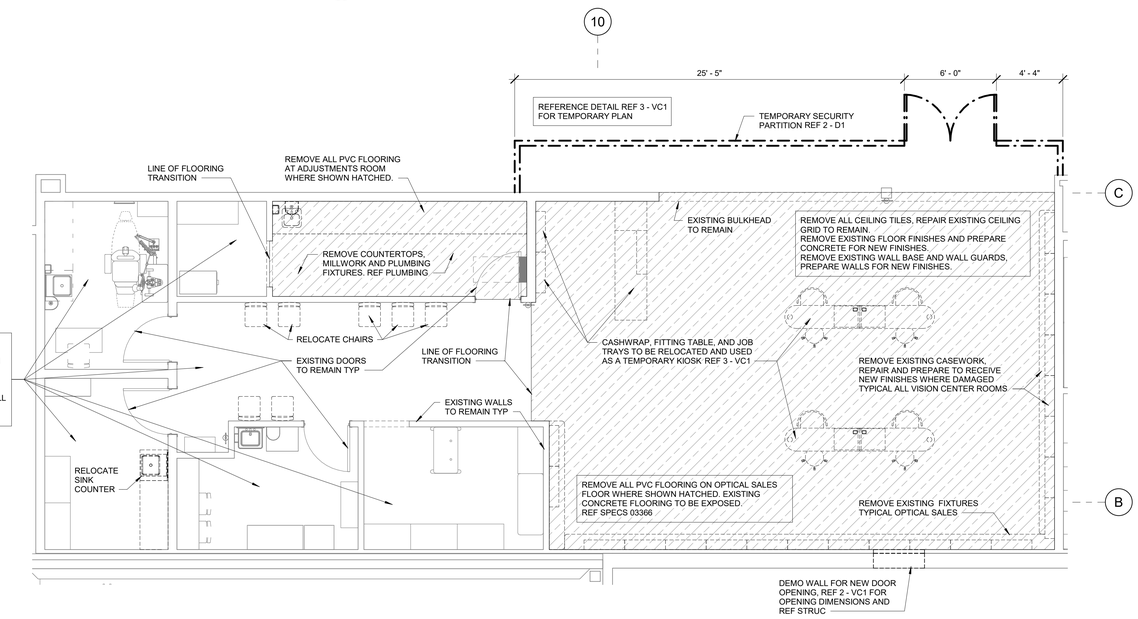
3 TEMPORARY VISION CENTER PLAN

1/4" = 1'-0"



2 VISION CENTER FLOOR PLAN

1/4" = 1'-0"



1 VISION CENTER DEMO PLAN

1/4" = 1'-0"

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10/01/2024

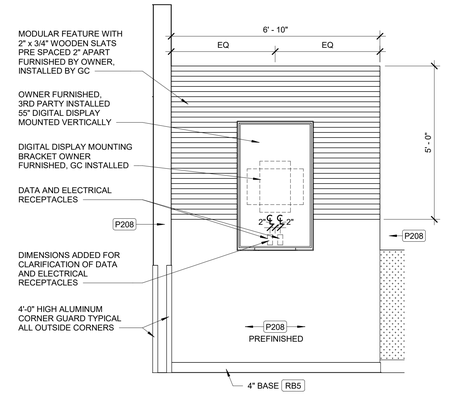
VISION CENTER PLANS AND DETAILS

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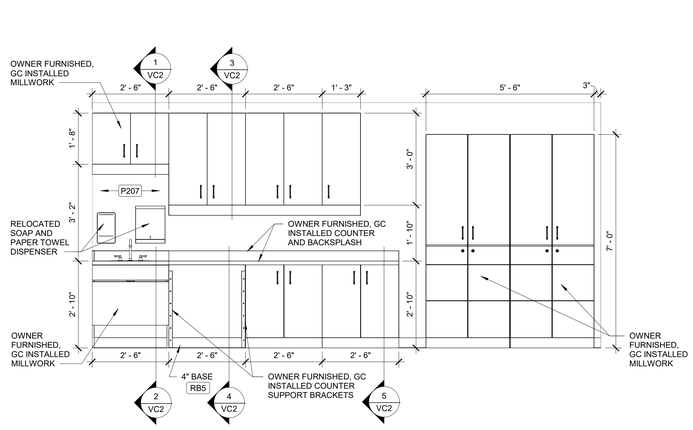
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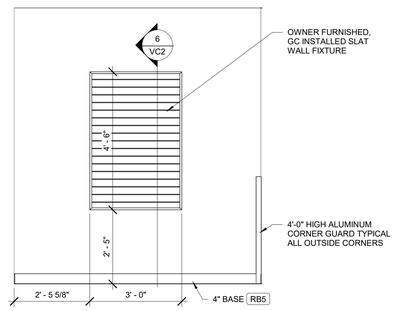
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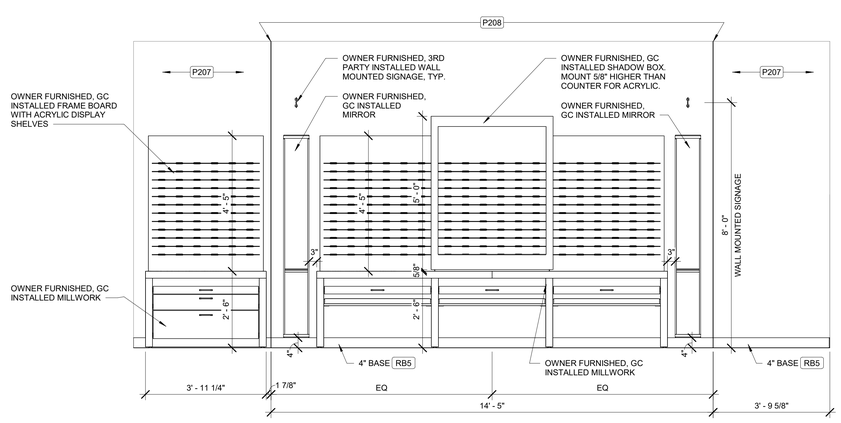
6 ENTRY ELEVATION
1/2" = 1'-0"



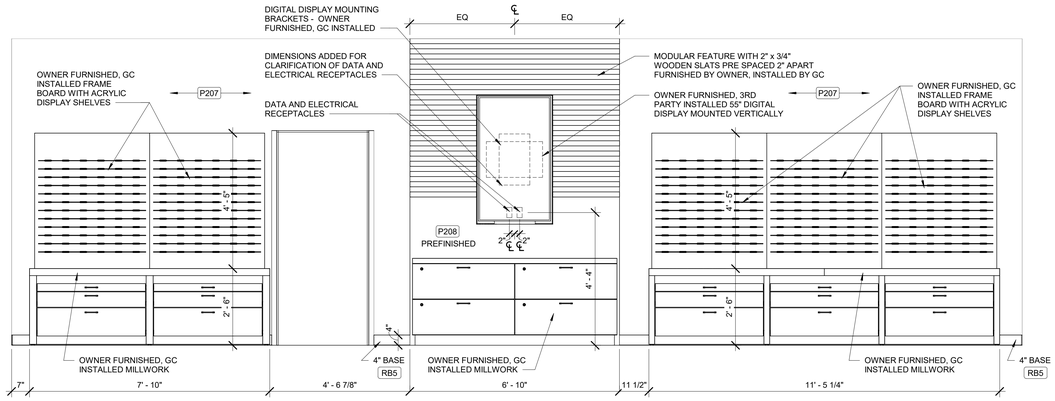
5 ADJUSTMENTS ELEVATION
1/2" = 1'-0"



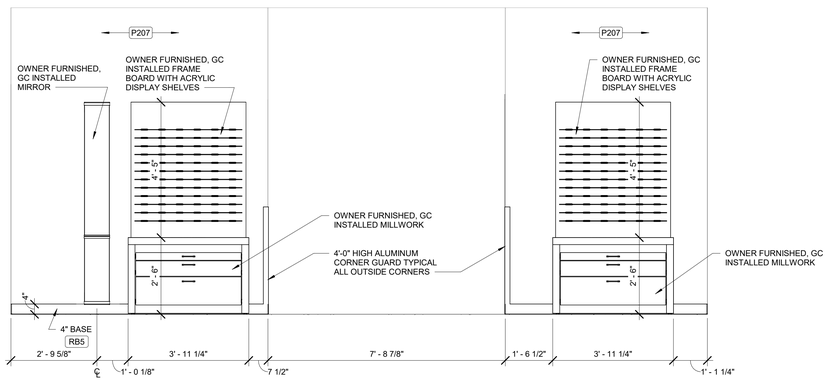
4 OPTICAL SALES ELEVATION
1/2" = 1'-0"



3 OPTICAL SALES ELEVATION
1/2" = 1'-0"



2 OPTICAL SALES ELEVATION
1/2" = 1'-0"



1 OPTICAL SALES ELEVATION
1/2" = 1'-0"

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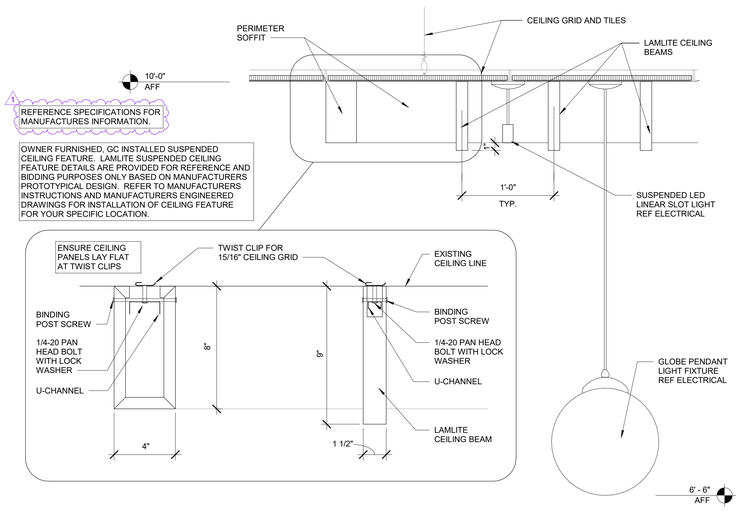
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MARIAH MEYER
STATE OF WASHINGTON
06/13/2024

VISION CENTER ELEVATIONS

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3 LAMLITE CEILING FEATURE - DIRECT MOUNT

1 1/2" = 1'-0"

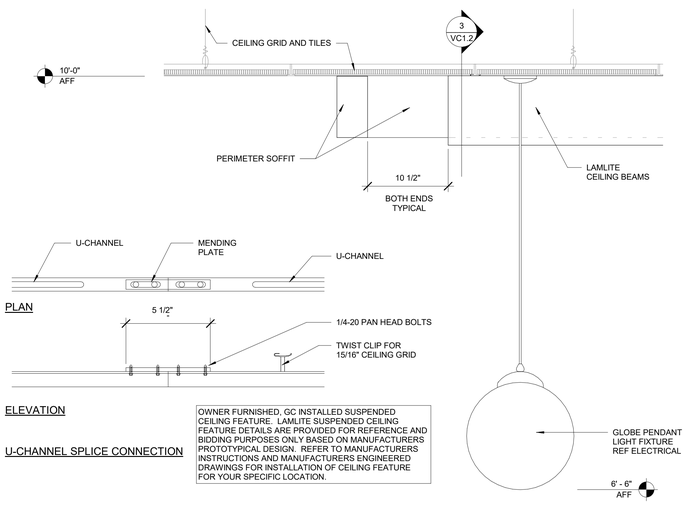
CONTRACTOR TO ENSURE EXISTING CEILING GRID SUPPORTS ARE INSTALLED IN ACCORDANCE WITH ASTM C636 AND ASCE 7. ADD AND/OR MODIFY SUPPORTS AS NEEDED FOR COMPLIANCE WITH STANDARDS.

REFERENCE MECHANICAL, ELECTRICAL, AND FIRE PROTECTION FOR ADDITIONAL INFORMATION.

CEILING GRID IS EXISTING TO REMAIN, VERIFY CEILING GRID IS LEVEL AND SQUARE PRIOR TO ATTACHMENT OF CEILING FEATURE. CONTACT WALMART CM IF THE EXISTING CEILING GRID REQUIRES CORRECTION. ENSURE ALL CEILING TILES LAY FLAT AT TWIST CLIPS AND THE GRID IS LEVEL AFTER CEILING FEATURE IS INSTALLED.

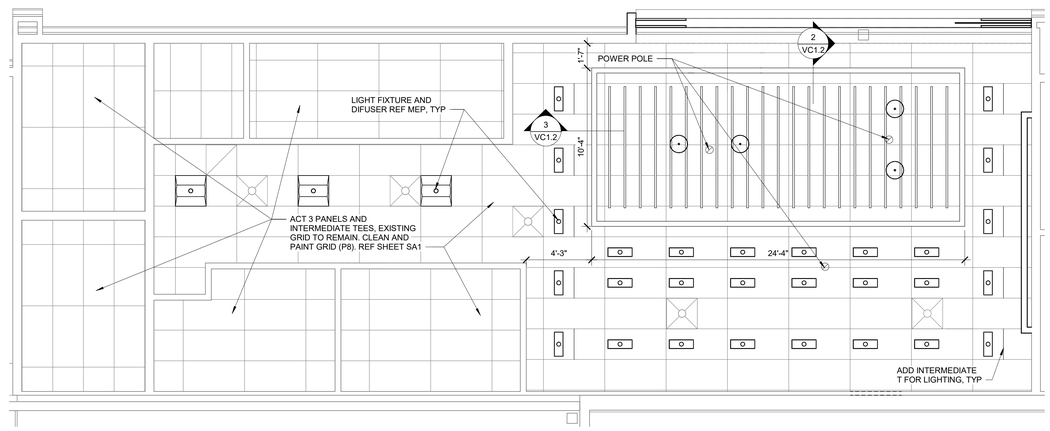
ADD INTERMEDIATE ACT GRID AT NEW 2x2 LIGHT FIXTURES

CEILING FEATURE(S) ARE OWNER FURNISHED, GC INSTALLED. COORDINATE MODIFICATIONS TO FIRE PROTECTION



2 LAMLITE CEILING FEATURE - DIRECT MOUNT

1 1/2" = 1'-0"



LAMLITE CEILING FEATURE, IN ACCORDANCE WITH UL 1975
EPS:
FLAME SPREAD: <25
SMOKE DEVELOPED: <450
PAINTS AND LAMINATES APPLIED TO EPS:
FLAME SPREAD: <25
SMOKE DEVELOPED: <450

1 REFLECTED CEILING PLAN

1/4" = 1'-0"

brr

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BRR ARCHITECTURE, INC
9101 ARTCLAY AVENUE
SUITE 300
OVERLAND PARK, KS 66204

www.brrarch.com

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STORE NO: 02403 - 2S4

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1	PR #1	08/20/24

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REFLECTED CEILING PLANS AND DETAILS

SHEET:
VC1.2

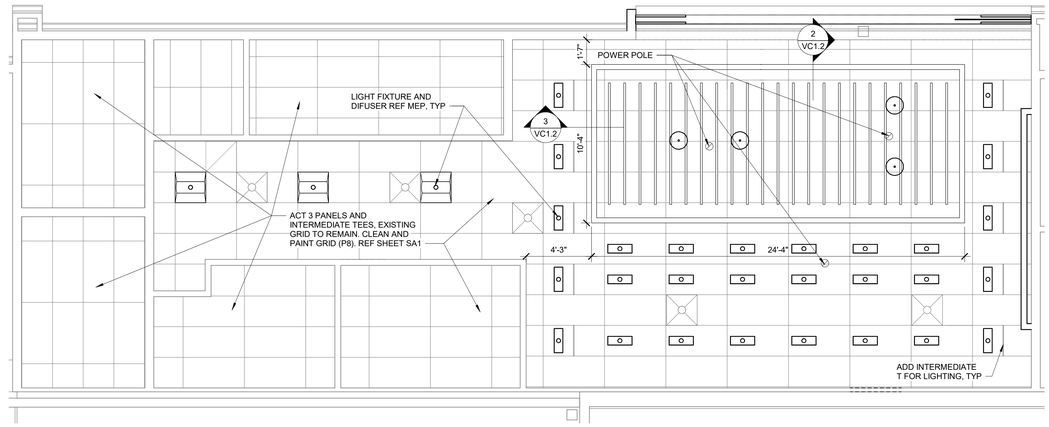
06/28/24 3:38:11 PM

PRCTI20241053

CONTRACTOR TO ENSURE EXISTING CEILING GRID SUPPORTS ARE INSTALLED IN ACCORDANCE WITH ASTM C636 AND ASCE 7. ADD AND/OR MODIFY SUPPORTS AS NEEDED FOR COMPLIANCE WITH STANDARDS.

REFERENCE MECHANICAL, ELECTRICAL, AND FIRE PROTECTION FOR ADDITIONAL INFORMATION.

ADD INTERMEDIATE ACT GRID AT NEW 2x2 LIGHT FIXTURES



1 REFLECTED CEILING PLAN
1/4" = 1'-0"

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13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
06/13/2024

REFLECTED CEILING PLANS AND DETAILS

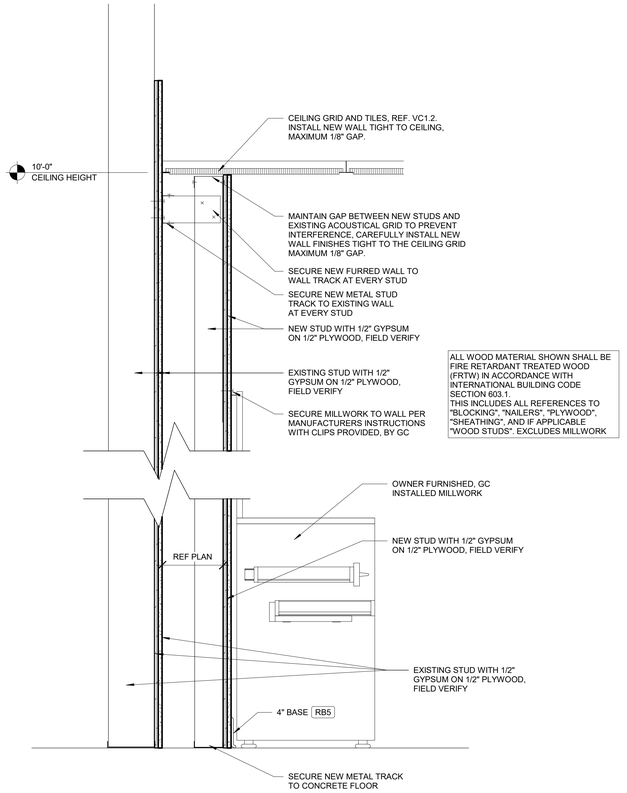
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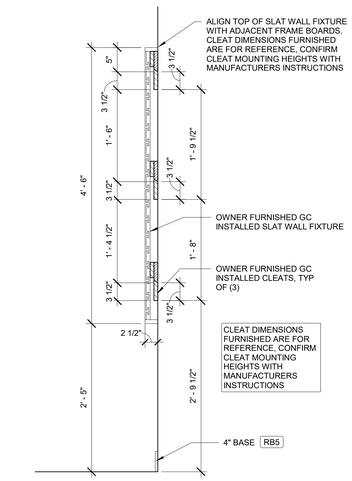
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SHEET NOTES

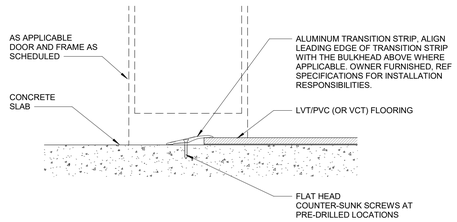
1. ALL ELECTRICAL WORK INCLUDING DATA AND POWER DISCONNECTION BY GC.
2. REMOVAL AND INSTALLATION OF NEW POWER POLES BY GC. DATA LINES BY OTHERS.
3. GENERAL CONTRACTOR RESPONSIBLE FOR ALL ELECTRICAL AND PLUMBING WORK.
4. GC RESPONSIBLE FOR ANCHORING ALL MILLWORK TO PREVENT OVERTURNING. REFERENCE MILLWORK MANUFACTURERS INSTRUCTIONS FOR CLEAT HEIGHTS.
5. CAULK ALL COUNTERS AND BACKSPLASHES TO THE WALL



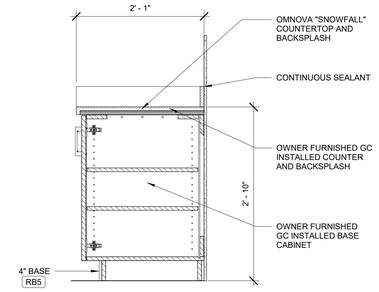
7 FEATURE WALL DETAIL
1 1/2" = 1'-0"



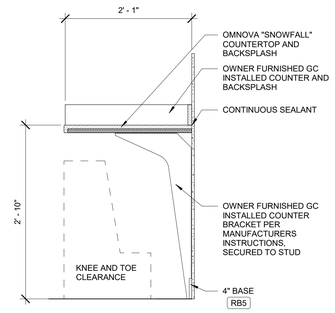
6 MILLWORK ACCESSORY SLAT WALL(OWNER FURNISHED, GC INSTALLED)
1" = 1'-0"



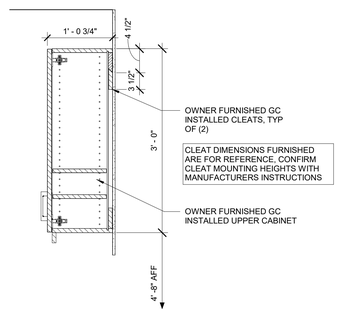
8 TRANSITION STRIP
1/2" = 1'-0"



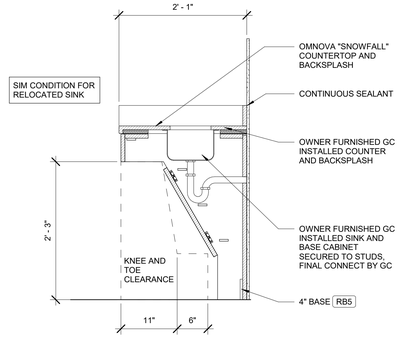
5 MILLWORK SECTION (OWNER FURNISHED, GC INSTALLED)
1" = 1'-0"



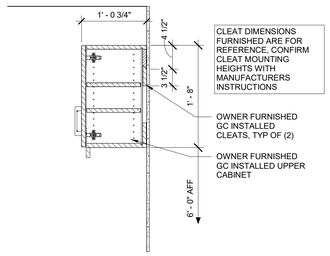
4 MILLWORK SECTION (OWNER FURNISHED, GC INSTALLED)
1" = 1'-0"



3 MILLWORK SECTION (OWNER FURNISHED, GC INSTALLED)
1" = 1'-0"



2 MILLWORK SECTION (OWNER FURNISHED, GC INSTALLED)
1" = 1'-0"



1 MILLWORK SECTION (OWNER FURNISHED, GC INSTALLED)
1" = 1'-0"

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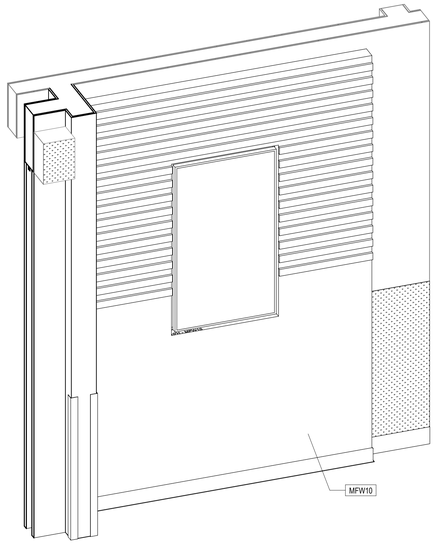
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06/13/2024

SECTIONS

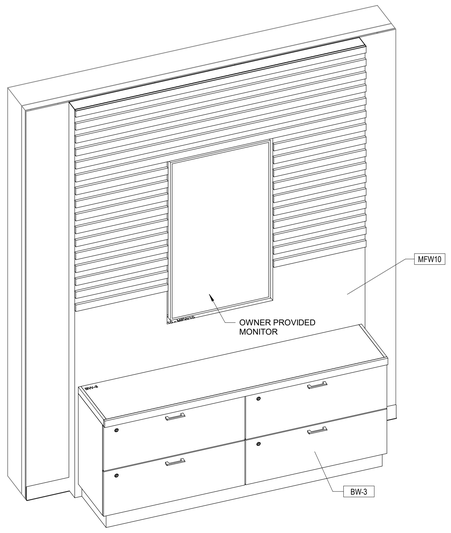
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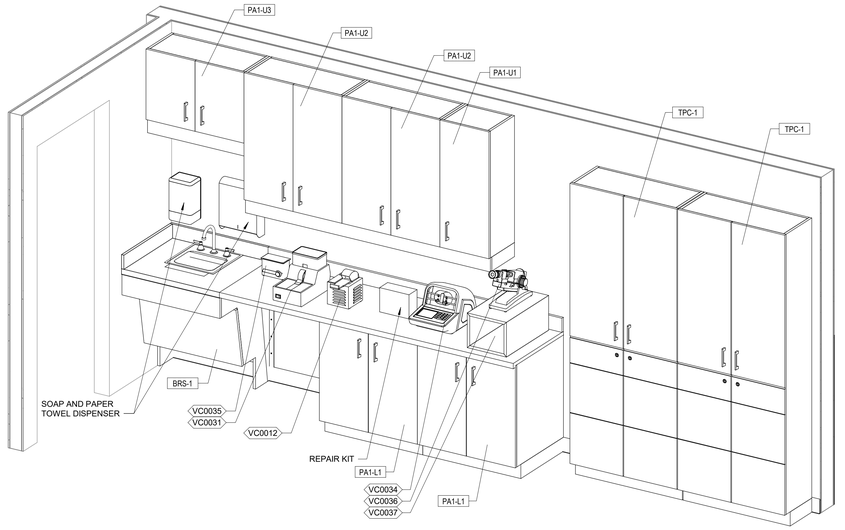
PRCTI20241053



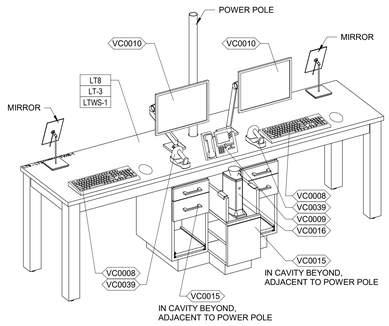
8 EQUIPMENT - DIGITAL DISPLAY

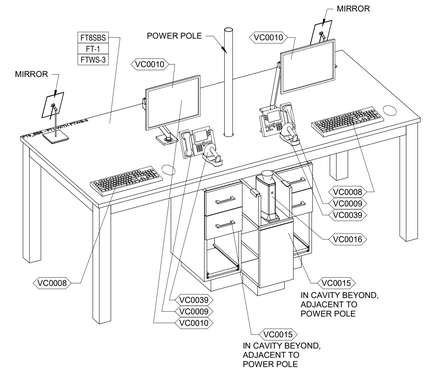


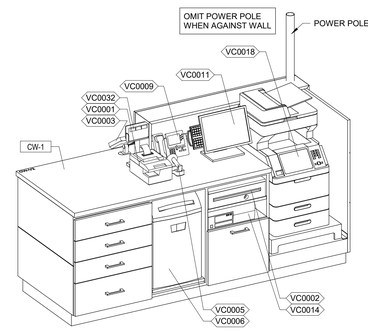
7 EQUIPMENT - BACKWRAP



6 EQUIPMENT - ADJUSTMENTS







DATA SCHEDULE		
CABLE	LOCATION	DEVICE
D-VCPC01	VISION CENTER	TERM
D-VCPC02	VISION CENTER	TERM
D-VCPC03	VISION CENTER	TERM
D-VCPC04	VISION CENTER	TERM
D-VCPC05	VISION CENTER	TERM
D-VCPC06	VISION CENTER	TERM
D-VCPRT01	VISION CENTER	PRT
D-VCTV-1A	VISION CENTER	TV
D-VCTV-1B	VISION CENTER	TV
D-VCTV-2A	VISION CENTER	TV
D-VCTV-2B	VISION CENTER	TV
D-OPT01	VISION CENTER	TERM

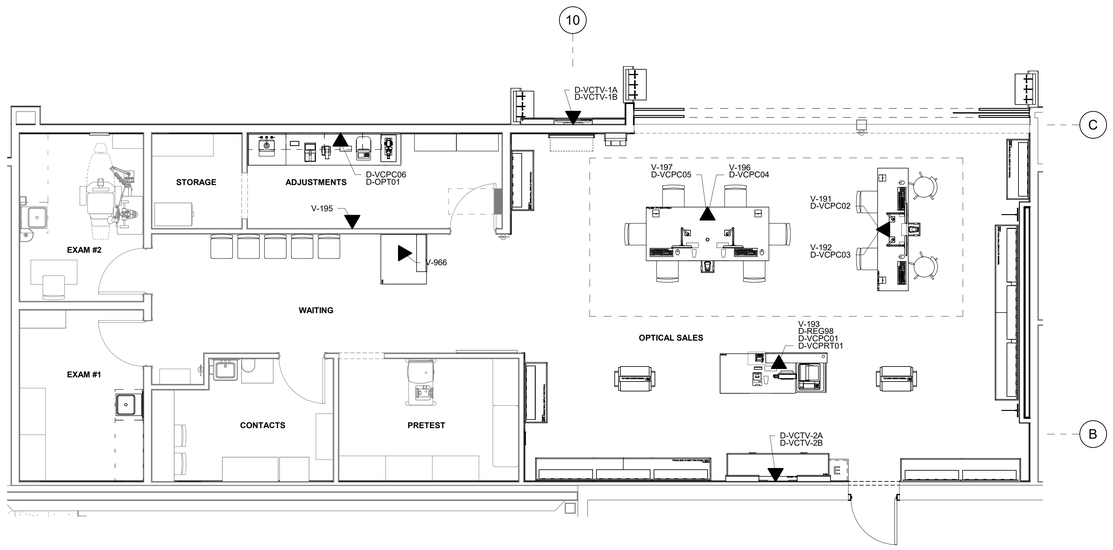
VOICE SCHEDULE			
CABLE	LOCATION	PHONE	TYPE
V-191	VISION CENTER	IP PHONE	DESK
V-192	VISION CENTER	IP PHONE	DESK
V-193	VISION CENTER	IP PHONE	DESK
V-195	VISION CENTER	IP PHONE	WALL
V-196	VISION CENTER	IP PHONE	DESK
V-197	VISION CENTER	IP PHONE	DESK
V-966	VISION CENTER	MODEM	

10	POS
20	NON POS
25	DHCP NET
50	PHONES
200	IPTV
	NON NETWORK

5 EQUIPMENT - LOW STABLE

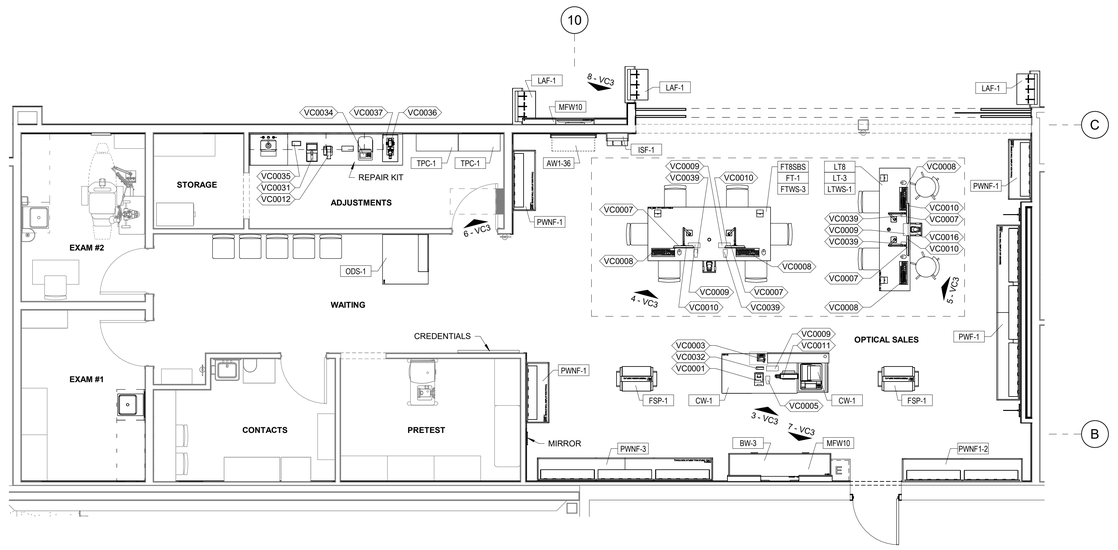
4 EQUIPMENT - FAMILY TABLE

3 EQUIPMENT - CASHWRAP



2 VISION CENTER EQUIPMENT PLAN

1/4" = 1'-0"



1 VISION CENTER EQUIPMENT PLAN

1/4" = 1'-0"

EQUIPMENT SCHEDULE	
VC0001	REGISTER PRINTER
VC0002	CASH DRAWER
VC0003	DEBIT READER
VC0005	POS SCAN GUN
VC0006	SHREDDER
VC0007	FLAT PANEL MONITOR
VC0008	KEYBOARD AND MOUSE
VC0009	DESK PHONE
VC0010	MONITOR ARM
VC0011	REGISTER KEYPAD MONITOR
VC0012	COMPACT FRAME WARMER
VC0014	REGISTER CPU
VC0015	MINI CPU
VC0016	FRAME WARMER
VC0018	PHOTO COPIER
VC0021	AUTO KERATO-REFRACTOMETER
VC0022	OPTICAL COHERENCE TOMOGRAPH
VC0023	FIELD ANALYZER
VC0024	PRETEST TABLE
VC0031	HAND EDGER
VC0032	POS FLAG DISPLAY
VC0033	PHOROPTOR
VC0034	REMOTE TRACER
VC0035	CLEANER
VC0036	MANUAL LENSOMETER
VC0037	MANUAL LENSOMETER STAND
VC0038	CREDENTIALS BOARD
VC0039	BLUETOOTH IMAGER OPT SCAN GUN

OWNER FURNISHED, GC INSTALLED CASEWORK	
AW1-36	36" WIDE ACCESSORY FIXTURE
BRS-1	BACKROOM SINK
BW-3	BACKWRAP
CW-1	CASHWRAP
FSP-1	FREE STANDING PRODUCT FIXTURE
FT8SBS	8' FAMILY TABLE SIDE BY SIDE
FT-1	FAMILY TABLE SIDE BY SIDE
FTWS-3	FAMILY TABLE WORKSTATION
ISF-1	IMPULSE SUN FIXTURE
LAF-1	LOOSE ACCESSORY FIXTURE
LT8	8' LOW TABLE
LT-3	LOW TABLE
LTWS-1	LOW TABLE WORKSTATION
MFW10	10FT MONITOR FOCAL WALL
ODS-1	PODIUM RECEPTION STAND
PA1-L1	2 DOOR BASE CABINET
PA1-U1	1 DOOR UPPER CABINET
PA1-U2	2 DOOR UPPER CABINET (36" TALL)
PA1-U3	2 DOOR UPPER CABINET (20" TALL)
PWF-1	PERIMETER FOCAL WALL
PWNF1-2	PERIMETER NON-FOCAL WALL
PWNF-1	PERIMETER NON-FOCAL WALL - SINGLE
PWNF-3	NON-FOCAL WALL - TRIPLE
TPC-1	TRAY PROCESSING CABINET

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EQUIPMENT

SHEET: VC3

6/6/2024 4:31:26 PM

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REFRIGERATED CASE LEGEND

WDS NUMBER	QTY.	CASE LENGTH/ DOOR NO.	DESCRIPTION	MFR OR SUPPLIER	MODEL NO.	NOTES
RD2020.642	1	12FT	SERVICE	HILL PHOENIX SPECIALTY PRODUCTS	BMD-R	5,15
RD9009.005	1	6FT	SINGLE DECK ISLAND	STRUCTURAL CONCEPTS CORP	MIR	5,15
RH0122.000	1	4FT	SELF-SERVICE	CUSTOM DELIS EQUIPMENT CO INC	DILW-SS	5,7,15
RH0135.000	1	8FT	SERVICE SELF-SERVICE	CUSTOM DELIS EQUIPMENT CO INC	ILW-CB-SS	5,15
RS1069.652	4	12FT	SELF-SERVICE MULTI-DECK	HILL PHOENIX INC	QC-R-35	5,15
RS3007.042	6	8FT	REACH-IN (FRENCH DOORS)	KYSOR/WARREN	DX6LD	5,15
RS3007.042	18	12FT	REACH-IN (FRENCH DOORS)	KYSOR/WARREN	DX6LD	5,15
RS4038.352	1	8FT	MULTI-DECK	KYSOR/WARREN	MX5XG	5,15
RS4038.352	6	12FT	MULTI-DECK	KYSOR/WARREN	MX5XG	5,15

EQUIPMENT NOTES

1. REF SHEET A1 FOR EQUIPMENT LOCATION
2. 3-COMPARTMENTS, PREP SINKS, AND MOP SINKS TO BE FURNISHED WITH FAUCETS WITH INTEGRAL CHECK VALVES
3. OWNER DETERMINES FINAL QUANTITY BETWEEN SLICERS AND/OR AUTO SLICERS
4. QUANTITY AND TYPE BY OWNER - RACKS/SHELVING SHOWN ARE FOR POSSIBLE STORAGE AND PREP LOCATIONS
5. FINISHES FOR OWNER SUPPLIED EQUIPMENT ARE SPECIFIED PER BID ALIGNMENT BETWEEN OWNER AND OEM
6. HAND SINK INSTALLED TO 2'-9" WORKING HEIGHT
7. SPLIT-TEMP APPLICATION SHOWN BY PRODUCT LISTING ASSIGNED ABOVE AND BELOW THE EQUIPMENT NUMBER, REF REFRIGERATION DRAWINGS FOR SPLIT-TEMP APPLICATION
8. GC TO INSTALL OWNER FURNISHED SOAP AND PAPER TOWEL DISPENSER, REF GROCERY INTERIOR ELEVATIONS FOR MOUNTING LOCATIONS
9. OWNER TO SUPPLY COMPACTORS AND BALERS BY JV MFG (CRAM-A-LOT) OR PHILADELPHIA TRAMRAIL
10. EQUIPMENT SUPPLIED BY OWNER
11. EQUIPMENT INSTALLED BY EQUIPMENT SUPPLIER
12. EQUIPMENT INSTALLED BY OWNER
13. REFRIGERATED CASE FASCIA INSTALLED BY RC - COORDINATE WITH OWNER TO INSTALL FASCIA FROM CASE CANOPY EDGE TO FACILITATE INSTALLATION OF OWNER INSTALLED SIGNAGE - INSTALL PER MANUFACTURER'S INSTRUCTIONS AND COORDINATE WITH UTILITY CONNECTIONS
14. SCALE STAND FURNISHED BY OEM AND INSTALLED BY GC
15. RETROFIT DOORS/LIDS PROVIDED BY OWNER AND INSTALLED BY EQUIPMENT SUPPLIER
16. REF SPECS FOR SPECIAL INSTRUCTIONS

GENERAL EQUIPMENT NOTES

A. ALL EQUIPMENT IS SUPPLIED BY OWNER, INSTALLED BY GC, GC TO MAKE FINAL UTILITY CONNECTIONS, UNLESS OTHERWISE NOTED
B. REF SPECS FOR REFRIGERATED AND HOT DISPLAY CASES FOR SUPPLIED BY, INSTALLED BY, AND FINAL CONNECT BY
C. REF SPECS FOR MFR AND MODEL NUMBERS NOT LISTED IN EQUIPMENT LEGENDS
D. OWNER TO SUPPLY SS FIXTURES BY WIN-HOLT

WEDGE EQUIPMENT LEGEND

WDS NO.	QTY.	DESCRIPTION	MFR OR SUPPLIER	MODEL NO.
W502	1	24 X 34 WEDGE	QUALSERV SOLUTIONS LLC	WMDW24ANG
W506	1	46" PREBUILT WEDGE ASSEMBLY	QUALSERV SOLUTIONS LLC	WMWG46ST

GENERAL WEDGE NOTES:
A. GC FURNISHED AND INSTALLED
B. SIDE SCRIBE PIECES PROVIDED WITH WEDGE, FIELD CUT TO FIT
C. WEDGE TOP AND BACK PIECE PROVIDED WITH WEDGE, FIELD CUT TO FIT

GROCERY DRY WEDGE KIT CONTACT:
QUALSERV
(479) 646-8386 x-310 ATTN: DION CHAMBERS
TWO WEEK MINIMUM LEAD TIME

STAINLESS STEEL EQUIPMENT LEGEND

WDS NUMBER	QTY.	DESCRIPTION	Manufacturer	NOTES
SS004L	2	HAND SINK 16X14 (14X10) WALL MOUNTED	WIN-HOLT EQUIPMENT GROUP	
SS023	2	3-COMPARTMENT 34X104 (20X28) WITH 20IN DB	WIN-HOLT EQUIPMENT GROUP	
SS032	1	TABLE 36X30 FLAT TOP WITH UNDERSHELF WITH CASTERS	WIN-HOLT EQUIPMENT GROUP	

KEYNOTES

1.55 DIAMOND PLATE REFRIGERATED CASE FLOOR MOUNTED RAILING OWNER FURNISHED GC INSTALLED

SHEET NOTES

1. STUD WALL DIMENSIONS ARE TO FACE OF STUDS
2. ROUTE ALL UTILITY SERVICE LINES, PIPES AND CONDUIT WITHIN STUD WALLS WHEREVER POSSIBLE ON COOLER/FREEZER PANELS IN FOOD PREP AREAS WHERE UTILITIES MUST BE EXPOSED, CONTRACTOR TO HAVE OPTION OF FOLLOWING:
   a. SURFACE MOUNT UTILITIES WITH NON-CORROSIVE ANCHORS; SEAL BOTH SIDES OF PIPE/CONDUIT TO PANEL CONTINUOUSLY WITH SEALANT
   b. INSTALL UTILITIES 1/2" OFF FACE OF PANEL TO ALLOW FOR CLEANING; USE ONLY NON-CORROSIVE MATERIALS FOR SPACERS AND ANCHORS
   c. COVER UTILITIES WITH 20 GAUGE STAINLESS STEEL BENT PLATES MOUNTED TO WALL WITH NON-CORROSIVE ANCHORS; APPLY CONTINUOUS SEALANT ALONG EDGES AND JOINTS
3. PROVIDE CONT USDA APPROVED SEALANT AT ALL JOINTS BETWEEN MATERIALS ON WALLS AND FLOORS IN FOOD PREPARATION COOLER AND FREEZER AREAS
4. NOT USED
5. PROPER INSTALLATION OF JOINT SEALANTS IS CRITICAL TO MEETING WALMART QUALITY ASSURANCE STANDARDS
   a. PROVIDE SEALANTS IN ACCORDANCE WITH DRAWINGS AND SPECS, REF SPECS FOR SEALANT SCHEDULE
6. ALL JOINTS BETWEEN DISSIMILAR MATERIALS SHALL BE SEALED AS REQD FOR A COMPLETE AND PROPER INSTALLATION, REGARDLESS OF WHETHER SHOWN ON DRAWINGS OR INDICATED IN SPECS
   a. SUCH JOINTS NOT SHOWN OR SCHEDULED SHALL BE SEALED WITH SEALANTS AS RECOMMENDED BY MFR FOR SPECIFIC APPLICATION
7. INTERIOR SEALANTS USED IN FOOD PREPARATION AREAS SHALL MEET REQUIREMENTS FOR USE IN USDA REGULATED FACILITIES
8. PROVIDE STEEL CLOSURE PANELS AT ALL VERTICAL GAPS AND HORIZONTAL GAPS 52" OR LOWER BETWEEN REFRIGERATED CASES, WALLS AND/OR EQUIPMENT, REF 4 - GA1.1
9. COORDINATE REMOVAL AND DISPOSAL OF EXISTING REFRIGERATED CASES AND FIXTURES WITH MECHANICAL SERVICES CONSTRUCTION MANAGER.
10. COORDINATE REMOVAL AND DISPOSAL OF EXISTING REFRIGERATED CASES AND FIXTURES WITH INSTALLATION OF REFRIGERATED CASES AND FIXTURES
    a. EXISTING REACH-IN FROZEN CASES TO BE RELOCATED OR REMOVED SHALL BE USED ON A TEMPORARY BASIS DURING CONSTRUCTION OF NON-SERVICE SEAFOOD AREA
    b. TEMPORARY CASES SHALL BE REMOVED ONCE CASES ARE DELIVERED AND OPERATIONAL
11. DIMENSIONS OF REFRIGERATED CASES ARE TO OUTERMOST POINTS OF CASES; ENDCAPS AND BUMPERS ARE CONSIDERED PART OF CASE, WHERE THEY OCCUR
12. ALL NON-MOVEABLE EQUIPMENT INCLUDING SINKS, OVENS, AND REFRIGERATED EQUIPMENT SHALL BE SEALED TO WALLS
    a. BASE OR LEGS SHALL BE SET IN A BED OF SEALANT WITH EXCESS REMOVED
    b. MOVEABLE EQUIPMENT SHALL NOT BE SEALED
13. ALL COOLER BOX MODIFICATIONS TO BE PERFORMED BY COOLER/FREEZER MANUFACTURER, RELATED SLAB WORK BY GC
14. COOLER PANEL MFR'S TO FURNISH AND INSTALL LINERS, DOORS, PANELS, DOOR HARDWARE, STRIP CURTAINS, BATTEN STRIPS, MATERIALS, ETC. (WHERE INDICATED ON DRAWINGS)
15. COORDINATE RE-SKINNING OF EXISTING CASES TO REMAIN WITH SEPARATE CONTRACTOR
16. REPLACE DAMAGED OVERHEAD REFRIGERATION PIPE INSULATION, REF SHEET SA1 FOR BID ALLOWANCE

900 GROCERY SALES

WALLS
- GYP BD: PATCH AND REPAIR DAMAGED AND PAINT TO CEILING OR STRUCTURE, REF A1 FOR PAINT.
- INSTALL PS7 WAINSCOT AND DB5 BASE UNO, EXTEND WAINSCOT AND BASE AT EXPOSED WALL TO NEAREST MERCHANDISE RACK, REF 3-A3
- CMU: REF A1 FOR PAINT, WHERE BASE IS EXISTING, IT IS ETR

FLOOR
- REF FLOOR FINISH PLAN

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE
- REMOVE ANY UNUSED ELECTRICAL DROPS THROUGHOUT SALES FLOOR
- ADD LIGHTING TO SOFFITS GREATER THAN 24" ABOVE BREAD WALL, IF EXISTING LIGHTING IS NON-LED, REPLACE WITH LED

COLUMNS
- REF DETAILS 2-A1, 3-A1

REPAIR / REMOVE / REPLACE
- REPLACE DAMAGED OUTLETS, NON-ALMOND TO MATCH EXISTING COLOR, REPLACE ALMOND WITH WHITE
- REPLACE CUSTOMER VISIBLE ALMOND OUTLETS WITH WHITE
- REPLACE DAMAGED AND CUSTOMER VISIBLE OUTLET COVER PLATES WITH BRUSHED STAINLESS STEEL, INCLUDING BLANK PLATES, INCLUDING COLUMNS
- CLEAN OR REPLACE DAMAGED DIFFUSERS AND RETURNS
- REPLACE DAMAGED PARTS OF IMPACT DOORS

902 DELI PREP, 903 DELI UTILITY, 908 BAKERY UTILITY, 909 PRODUCE PREP

WALLS
- FRP/NRP:
  - AREAS NOT VISIBLE TO CUSTOMER: ONLY REPLACE TAN SHEETS THAT ARE DAMAGED OR UNCLEANABLE WITH WHITE (FRP1), WHEN AN INDIVIDUAL SHEET(S) IS REQUIRED TO BE REPLACED, REPLACE THE ENTIRE LENGTH OF THE WALL
  - AREAS VISIBLE TO CUSTOMER: REPLACE SHEETS THAT ARE DAMAGED OR TAN WITH WHITE (FRP1), EXCLUDE AREAS VISIBLE THROUGH TRAFFIC DOOR WINDOWS
- INSTALL FAUX TILE PANELS, REF FINISH PLAN FOR EXTENTS, REMOVE AND REPLACE WALL ACCESSORIES AS REQ'D
- TILE: SPOT REPLACE DAMAGED WALL FINISHES, REF SHEET SA1 FOR BID ALLOWANCE
- GYP BD: PATCH AND REPAIR
- WAINSCOT: REPLACE IF DAMAGED, REF FINISH PLAN
- CUSTOMER VISIBLE BASE: ETR IF GRAY OR BLACK, FULL REPLACEMENT IF TAN
- BASE: SPOT REPLACE DAMAGED, REF SHEET SA1 FOR BID ALLOWANCE

FLOOR
- ETR, SPOT REPLACE DAMAGED FLOORING, REF SHEET SA1 FOR BID ALLOWANCE

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE

REPAIR / REMOVE / REPLACE
- SS HAND SINKS AND COMPARTMENT SINKS: CLEAN, REPAIR, RESET, AND RE-CAULK DAMAGED SINKS
- REPLACE DAMAGED OUTLETS
- REPLACE DAMAGED OUTLET COVER PLATES WITH BRUSHED SS, INCLUDING BLANK PLATES AND COLUMNS
- CLEAN OR REPLACE DAMAGED DIFFUSERS AND RETURNS
- REPLACE DAMAGED PARTS FOR IMPACT DOORS

901 SERVICE DELI, 906 BAKERY

WALLS
- INSTALL FAUX TILE PANELS, REF FINISH PLAN FOR EXTENTS, REMOVE AND REPLACE WALL ACCESSORIES AS REQ'D
- TILE: SPOT REPLACE DAMAGED WALL FINISHES, REF SHEET SA1 FOR BID ALLOWANCE
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- BASE: SPOT REPLACE DAMAGED, REF SHEET SA1 FOR BID ALLOWANCE

FLOOR
- ETR, SPOT REPLACE DAMAGED FLOORING, REF SHEET SA1 FOR BID ALLOWANCE

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE

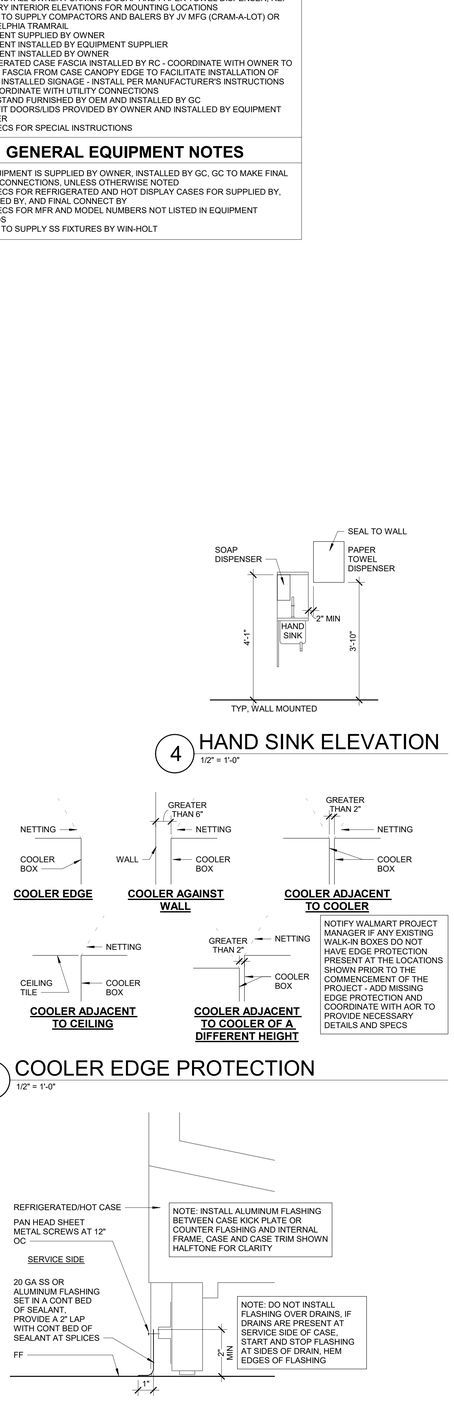
REPAIR / REMOVE / REPLACE
- REPLACE DAMAGED OUTLETS, NON-ALMOND TO MATCH EXISTING COLOR, REPLACE ALMOND WITH WHITE
- REPLACE CUSTOMER VISIBLE ALMOND OUTLETS WITH WHITE.
- REPLACE DAMAGED AND CUSTOMER VISIBLE OUTLET COVER PLATES WITH BRUSHED SS, INCLUDING BLANK PLATES AND COLUMNS
- CLEAN OR REPLACE DAMAGED DIFFUSERS AND RETURNS
- REPLACE DAMAGED PARTS FOR IMPACT DOORS

916 GR STOCKROOM

WALLS
- GYP BD: PATCH AND REPAIR, REF FINISH PLAN
- FRP: REPLACE IF DAMAGED
- WAINSCOT: REPLACE IF DAMAGED, REF FINISH PLAN

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE

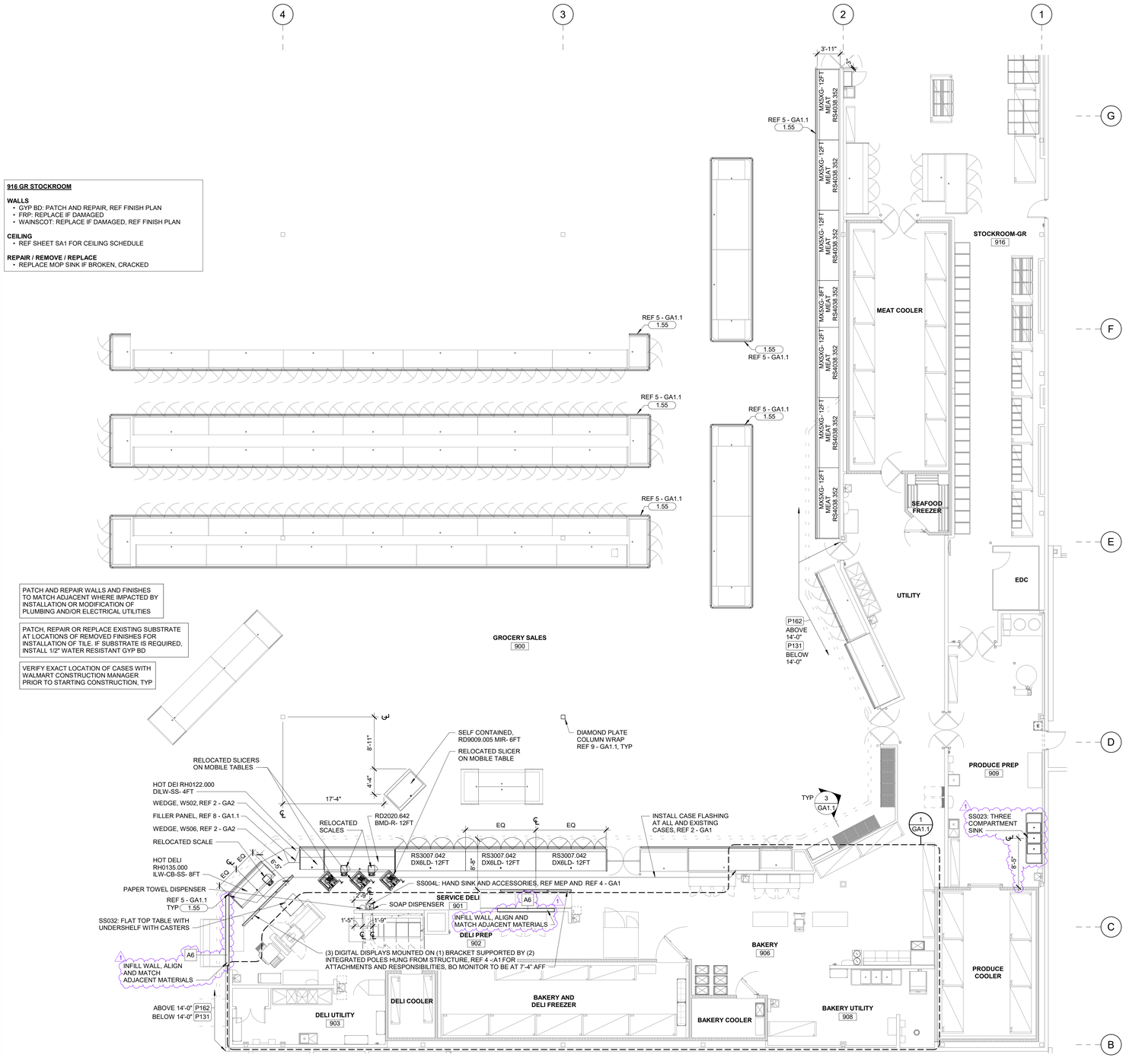
REPAIR / REMOVE / REPLACE
- REPLACE MOP SINK IF BROKEN, CRACKED



4 HAND SINK ELEVATION
1/2" = 1'-0"

3 COOLER EDGE PROTECTION
1/2" = 1'-0"

2 CASE FLASHING AT SERVICE DEPT
3" = 1'-0"



1 FRONT GROCERY FLOOR PLAN
1/8" = 1'-0"

brr
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ISSUE BLOCK

1	PR #1	08/20/24

CHECKED BY: ZSM KJS EK
DRAWN BY: EP
PROTO CYCLE: 03/29/24
DOCUMENT DATE: 05/10/24

PRCTI20241053

13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
09/06/2024

FRONT GROCERY PLAN

SHEET: GA1

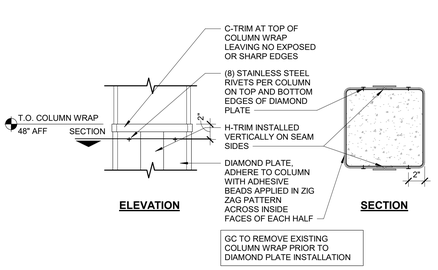
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PRCTI20241053

KEYNOTES

10.73	STANDARD OUTSIDE CORNER GUARD TRIM "E", FULL HEIGHT UNLESS NOTED OTHERWISE
10.76	INSIDE CORNER GUARD TRIM "J", FULL HEIGHT UNLESS NOTED OTHERWISE
10.81	CORNER GUARD TRIM "G", FULL HEIGHT UNLESS NOTED OTHERWISE

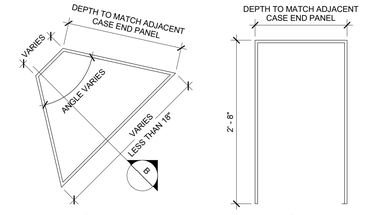
NOTE:
1. REFRIGERATED AND HOT CASES ARE SET, DETAILS AND NOTES FOR DRY WEDGES ARE GENERIC AND INDICATE MINIMUM DESIGN REQUIREMENTS
2. MATERIAL TO BE 5/8" BLACK PLAS-TEX PANEL BY PARKLAND PLASTICS OR 5/8" BLACK HDPE
3. USE 3/4" x 3/4" ALUMINUM ANGLE FOR ATTACHMENT OF FIXED PANELS AND SHELVES
4. ATTACH ANGLE TO PANELS USING #8 x 1/2" PAN HEAD SCREWS AT 1" MAX FROM ANGLE EDGES AND 3" MAX OC
5. PANEL TO PANEL CONNECTIONS USE #6 x 1 1/4" FLAT HEAD SCREWS
6. USE 9/16" BLACK DOTS TO CONCEAL EXPOSED FASTENERS
7. CONT SEALANT BETWEEN WEDGE AND ADJACENT CASE, REF SPECS



ELEVATION **SECTION**

GC TO REMOVE EXISTING COLUMN WRAP PRIOR TO DIAMOND PLATE INSTALLATION

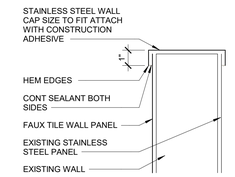
9 DIAMOND PLATE COLUMN WRAP
1 1/2" = 1'-0"



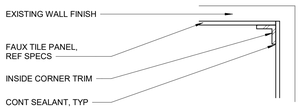
A **B**

CUSTOMER OR ASSOCIATE FACING

8 FILLER AT SERVICE LINEUP
1" = 1'-0"

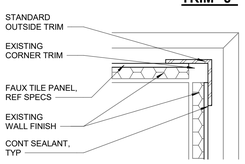


7 WALL CAP
3" = 1'-0"

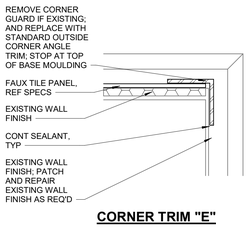


INSIDE CORNER TRIM "J"



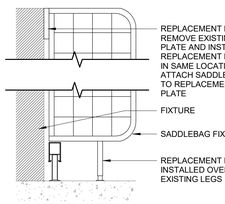


CORNER TRIM "G"

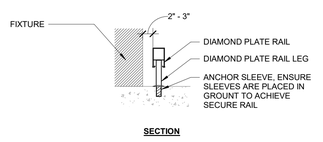


CORNER TRIM "E"

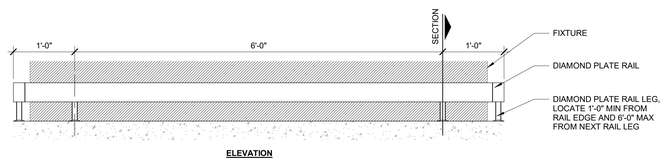
6 CORNER GUARD AND TRIM
6" = 1'-0"



SADDLEBAG SECTION



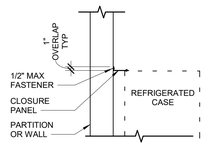
SECTION



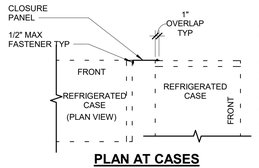
ELEVATION

5 DIAMOND PLATE PROTECTION RAIL
1" = 1'-0"

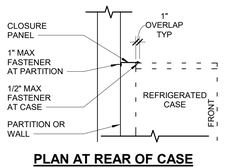
NOTES:
1. REFRIGERATION CONTRACTOR TO PROVIDE GALVANIZED CLOSURE PANELS AT ALL VERTICAL GAPS AND AT ALL HORIZONTAL GAPS 52" OR LOWER AFF BETWEEN REFRIGERATED CASE, WALLS, AND/OR EQUIPMENT
2. PROVIDE SS CLOSURE PANELS LOCATED IN PREP AREAS
3. REF FLOOR PLANS FOR ALL PARTITION TYPES AND LOCATIONS
4. EASE EXPOSED EDGES TO SMALL UNIFORM RADIUS
5. SET CLOSURE PANEL IN A BED OF SEALANT EACH SIDE
6. FASTEN CLOSURE PANELS WITH #6 PAN HEAD SCREWS AT 9" OC
7. CLOSURE PANELS TO BE FASTENED ONLY TO BACK OF REFRIGERATED CASE OR END PANEL SKINS AS INDICATED IN DRAWINGS



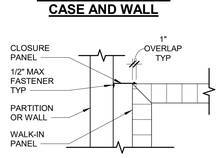
SECTION AT TOP OF CASE AND WALL



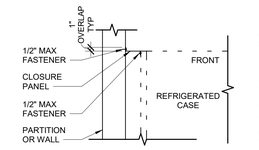
PLAN AT CASES



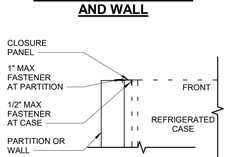
PLAN AT REAR OF CASE AND WALL



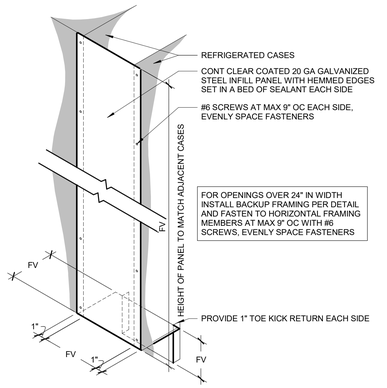
PLAN AT WALK-IN



PLAN AT FRONT OF CASE AND WALL

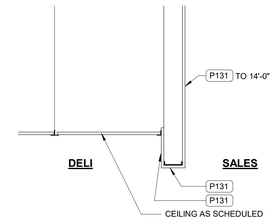


PLAN AT FRONT OF CASE AND END OF WALL

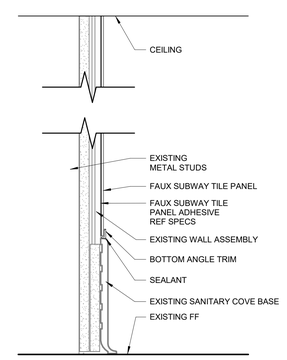


FOR OPENINGS OVER 24" IN WIDTH INSTALL BACKUP FRAMING PER DETAIL AND FASTEN TO HORIZONTAL FRAMING MEMBERS AT MAX 9" OC WITH #6 SCREWS, EVENLY SPACE FASTENERS

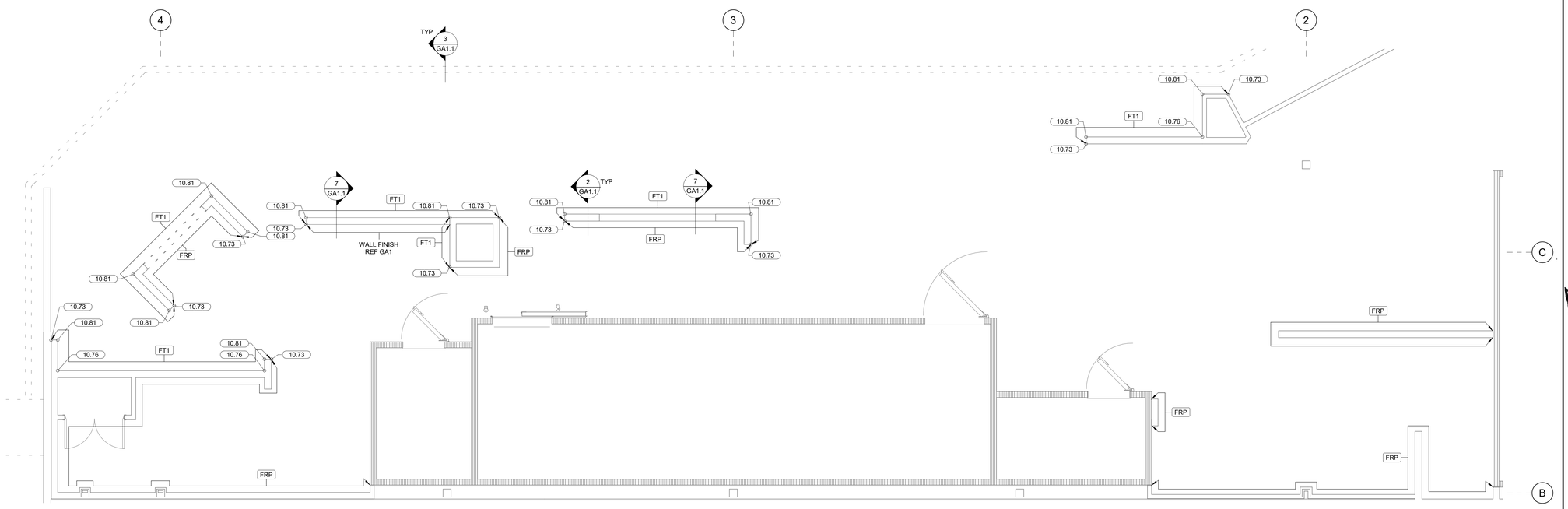
4 CLOSURE PANEL DETAIL
3/4" = 1'-0"



6 CORNER GUARD AND TRIM
6" = 1'-0"



3 SECTION AT DELI BULKHEAD
1" = 1'-0"



1 FRONT GROCERY FINISH PLAN
1/4" = 1'-0"

2 FAUX TILE ENLARGED SECTION
3" = 1'-0"

6/4/2024 8:45:5 PM

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PROTO: 9654624
JOB NUMBER: 192

ISSUE BLOCK

CHECKED BY: DMJ KJS
DRAWN BY: EP
PROTO CYCLE: 03/29/24
DOCUMENT DATE: 05/10/24

PRCTI20241053

13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
06/13/2024

FRONT GROCERY FINISH PLAN

SHEET
GA1.1

PRCTI20241053

SHEET NOTES

1. REF SHEET GA1 FOR GROCERY NOTES PERTAINING TO THIS SHEET

KEYNOTES

1.55	DIAMOND PLATE REFRIGERATED CASE FLOOR MOUNTED RAILING OWNER FURNISHED GC INSTALLED
6.27	48" HIGH WAINSCOT WITH OUTSIDE CORNER TRIM

150, 918 CORRIDOR
WALLS
- PAINT P162 WAINSCOT TO 4'-0" AFF, AND P131 FROM 4'-0" AFF TO CEILING OR BOTTOM OF STRUCTURE

FLOOR
- ETR

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE

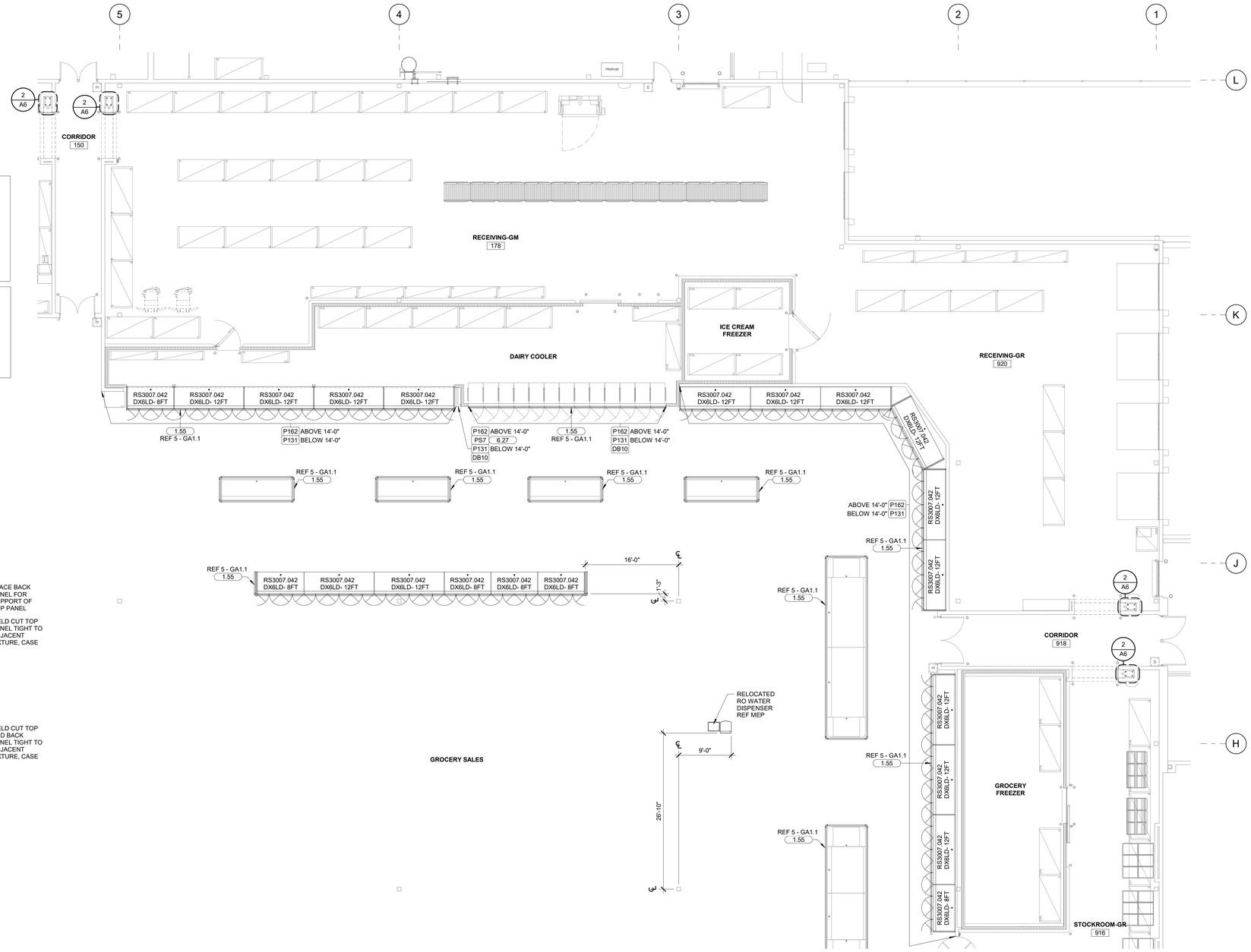
REPAIR / REMOVE / REPLACE
- REPLACE DAMAGED OUTLETS AND OUTLET COVER PLATES

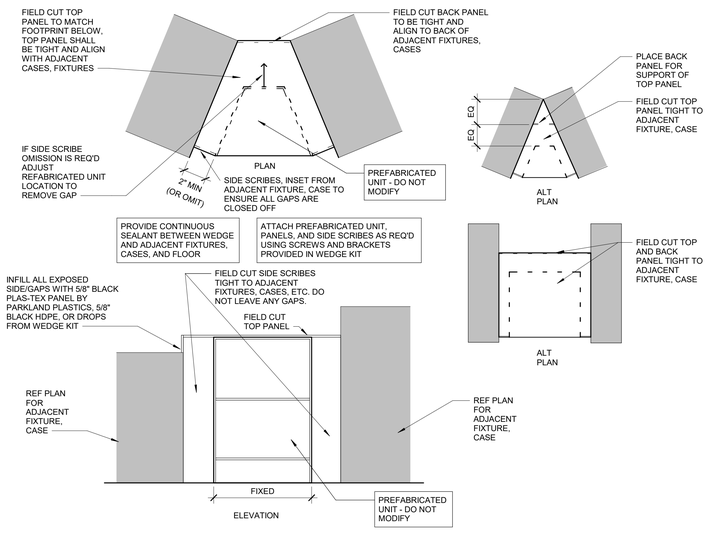
178 GM RECEIVING, 920 GR RECEIVING

WALLS
- GYP BD: PATCH AND REPAIR, REF FINISH PLAN
- FRP: REPLACE IF DAMAGED
- WAINSCOT: REPLACE IF DAMAGED, REF FINISH PLAN

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE

REPAIR / REMOVE / REPLACE
- REPLACE MOP SINK IF BROKEN, CRACKED





2 WEDGE KIT
3/4" = 1'-0"

1 REAR GROCERY FLOOR PLAN
1/8" = 1'-0"

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13088 REGISTERED ARCHITECT
MARIAH MEYER
STATE OF WASHINGTON
06/13/2024

REAR GROCERY PLAN

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CASE INSTALLATION

*****NOTE*****
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#	SCOPE OF WORK	RESPONSIBLE PARTY	
		REPLACEMENTS	NEW EQUIPMENT
		REMODEL	REMODEL
1	FURNISH THE CASES.	OEM/WMT	OEM/WMT
2	FURNISH AND INSTALL ALL (REFRIGERANT AND DRAIN) PIPING.	RC	RC
3	FURNISH ALL FIELD-INSTALLED REFRIGERATION VALVES.	OEM/WMT	OEM/WMT
4	FURNISH AND INSTALL ALL ISOLATION BALL VALVES.	RC	RC
5	INSTALL ALL FIELD INSTALLED REFRIGERATION VALVES.	RC	RC
6	FURNISH AND INSTALL ALL FACTORY INSTALLED REFRIGERATION VALVES.	OEM/WMT	OEM/WMT
7	FURNISH ALL CONTROLS CABLING AS NECESSARY TO COMPLETE THE WORK. (24 VOLTS OR LESS)	EMS	EMS
8	PROVIDE TYPEWRITTEN SCHEDULES FOR ALL AFFECTED ELECTRICAL PANELBOARDS.	GC	GC
9	INSTALL AND TERMINATE FURNISHED CONTROLS WIRING (24 VOLTS OR LESS) AS DETAILED ON THE PRINTS.	RC	RC
10	PROVIDE ELECTRICAL POWER CABLING FROM POWER SOURCE TO THE FIRST CASE IN THE CIRCUIT.	GC	GC
11	PROVIDE ALL "SLAVE" WIRING FROM FIRST CASE TO REMAINING CASES ON THE CIRCUIT.	RC	RC
12	PREFABRICATE AS MUCH OF THE PIPE WORK AND ELECTRICAL CONDUIT AS POSSIBLE AND MOUNT ANY DEVICES IN ORDER TO REDUCE THE AMOUNT OF "DOWN TIME" NEEDED TO COMPLETE THE INSTALLATION.	RC	RC
13	COORDINATE THE INSTALLATION TIME WITH STORE MANAGEMENT.	GC	GC
14	OBTAIN HOT WORK PERMITS AS REQUIRED.	GC	GC
15	NOTIFY THE EMS VENDOR 24 HRS. IN ADVANCE OF THE WORK - TELL THEM WHAT CASES ARE BEING INSTALLED AND WHAT SYSTEMS WILL BE IMPACTED.	RC	RC
16	NOTIFY THE WMT BUILDING CONTROLS TEAM AND ADVISE THEM WHICH SYSTEMS AND WHICH CASES WILL BE IMPACTED BY THE WORK.	RC	N/A
17	REMOVE ALL OF REFRIGERATED PRODUCTS FROM THE CASES THAT ARE BEING REPLACED.	WMT	N/A
18	REMOVE ALL OF THE ASSET PROTECTION (BUMP GUARDS) FROM AROUND THE CASES.	GC	N/A
19	DECOMMISSION AND REMOVE THE OLD CASES. IN TEXAS, ALL DECOMMISSIONED CASES WILL BE REMOVED FROM THE STORE BY QUICK REFRIGERATION. COORDINATE REMOVAL AND DISPOSAL WITH WMT CONSTRUCTION MANGER. WHEN REPLACING PRODUCE CASES, REMOVE WATER SUPPLY FROM MISTING SYSTEM. WHEN REPLACING DELI SERVE OVER CASES, COORDINATE THE REMOVAL OF THE DATA CABLING FOR THE DELI SCALES.	RC	N/A
20	CLEAN THE FLOOR UNDER THE CASES AND JET THE DRAINS.	RC	N/A
21	WHEN REPLACING MULTI-DECK AND / OR GLASS DOOR CASES, AND REUSING EXISTING PIPEWORK, RE-INSULATE THE REFRIGERATION PIPING BEHIND THE CASES. THIS APPLIES TO ALL PIPING THAT IS ACCESSIBLE WITHOUT DISTURBING EXISTING CASES, INSIDE PITS / TUNNELS OR IN A CHASE THAT IS NOT BEING OTHERWISE DISTURBED.	RC	N/A
22	SET THE CASES IN THE POSITION DICTATED BY THE CONSTRUCTION PRINTS. ENSURE CASES ARE STRAIGHT AND LEVEL, AND SHIMMED PER THE MANUFACTURER'S GUIDANCE. SEAL ALL CASES WITH BUTYL SEALANT. ALIGN GLASS DOORS PLUMB AND LEVEL TO PREVENT "SAW-TOOTHING" OF THE DOORS.	RC	RC
23	CONNECT THE CASES (MECHANICAL, ELECTRICAL, PLUMBING AND CONTROLS) AS DETAILED ON THE PRINTS.	RC	RC
24	EVACUATE AND PRESSURE TEST THE CASES AND ANY PIPING MODIFIED OR DISTURBED DURING THE WORK.	RC	RC
25	SWITCH ON AND COMMISSION THE CASES, VALVES AND CONTROLS AS REQUIRED. CHECK AND ADJUST MECHANICAL TXV SUPERHEATS TO OEM RECOMMENDATIONS AND EPR SETTINGS PER LEGEND.	RC	RC
26	INSTALL FURNISHED LIDS TO REFRIGERATED BUNKERS.	RC	RC
27	FURNISH CONTROLS SUPPORT TO THE INSTALLING CONTRACTOR.	OEM	OEM
28	WHEN REPLACING PRODUCE CASES, INSTALL MISTING SYSTEM TO CASES AND CONNECT TO DEDICATED WATER SUPPLY.	RC	RC
29	WHEN REPLACING DELI SERVE OVER CASES, COORDINATE THE INSTALLATION OF THE DATA CABLING FOR THE DELI SCALES.	WMT	WMT
30	NOTIFY WMT BUILDING CONTROLS THAT THE CASES ARE RUNNING AND ONLINE.	RC	RC
31	CARRY OUT A THOROUGH LEAK TEST ON ALL WELDED AND MECHANICAL JOINTS INSTALLED OR DISTURBED DURING THE PROJECT.	RC	RC
32	HANDOVER THE CASES TO THE STORE. (CASES MUST BE CLEAN, AT OPERATIONAL TEMPERATURE AND FULLY FUNCTIONAL WITH ALL PANS AND SHELVING IN PLACE.)	RC	RC
33	FILL THE CASE WITH PRODUCT.	WMT	WMT
34	REPLACE MISSING OR DAMAGED FLOOR TILES OR REPAIR VISIBLE, DAMAGED CONCRETE FLOOR AROUND THE CASES. (AS NEEDED)	GC (OR WMT PREFERRED FLOORING INSTALLER)	N/A
35	INSTALL CIRCUIT LABELS TO THE CASES AS REQUIRED.	RC	RC
36	COMPLETE ASSET TAGGING PROCESS	RC	RC
37	REPLACE THE SHOP FLOOR DRAWINGS AND INSTALL REPLACEMENT LEGENDS.	RC	RC
38	REINSTALL ANY PREVIOUSLY REMOVED (UNDAMAGED) ASSET PROTECTION (BUMP GUARDS). INSTALL OWNER FURNISHED PROTECTION EQUIPMENT AS NEEDED.	RC	RC
39	AFTER ALL CHANGES HAVE BEEN MADE TO A RACK, REMOVE ANY COMPRESSOR SUCTION FILTERS / SOCKS AND REPLACE THE RACK LIQUID LINE FILTERS. LEAVE THE OLD FILTERS / DRIERS IN THE RACK HOUSE TO BE INSPECTED BY THE MCM.	RC	RC
40	SUBMIT REQUIRED VERISAE AND OTHER REGULATORY FORMS AS REQUIRED BY THE END OF COMMISSIONING WEEK. COMPLETED VERISAE FORMS ARE TO BE EMAILED TO MCEQUIP@WAL-MART.COM.	RC	RC
41	REMOVE ALL OF THE OLD CASES AND CLEAR SITE OF ALL TOOLS, UNUSED INSTALLATION MATERIALS AND TRASH.	GC	GC

MATRIX LEGEND

ABBREVIATION	DESCRIPTION
RC	REFRIGERATION CONTRACTOR AND SUB-CONTRACTORS
GC	GENERAL CONTRACTOR AND SUB-CONTRACTORS
EMS	EMS VENDOR
OEM	ORIGINAL RACK EQUIPMENT MANUFACTURER, ORIGINAL CASE EQUIPMENT MANUFACTURER, AHU MANUFACTURER, RTU MANUFACTURER
PS	WALK-IN BOX PANEL SUPPLIER
WMT	WALMART
AES	SUPPLIER OF AHU ADAPTER CURBS, RTU ADAPTER CURBS AND WALMART'S EQUIPMENT SALVAGE PARTNER
WTC	WATER TREATMENT CONTRACTOR
MC	MECHANICAL CONTRACTOR AND SUB-CONTRACTORS

REFRIGERATION PIPE RE-INSULATION

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#	SCOPE OF WORK	RESPONSIBLE PARTY
		REMODEL
1	FURNISH AND INSTALL ALL MATERIALS NECESSARY TO COMPLETE THE WORK.	RC
2	COORDINATE THE INSTALLATION TIME WITH STORE MANAGEMENT. OBTAIN HOT WORK PERMITS AS REQUIRED.	RC
3	NOTIFY THE WMT BUILDING CONTROLS TEAM AND ADVISE THEM WHICH SYSTEMS AND WHICH CASES WILL BE IMPACTED BY THE WORK.	RC
4	WHEN REPLACING MULTI-DECK AND / OR GLASS DOOR CASES, AND REUSING EXISTING PIPEWORK, THE REFRIGERATION PIPING BEHIND THE CASES SHALL BE RE-INSULATED. THIS APPLIES TO ALL PIPING THAT IS ACCESSIBLE WITHOUT DISTURBING EXISTING CASES, INSIDE PITS / TUNNELS OR IN A CHASE THAT IS NOT BEING OTHERWISE DISTURBED.	RC
5	CONFIRM WITH STORE MANAGEMENT THAT THE WORK IS COMPLETE AND ALL SYSTEMS IMPACTED BY THE WORK ARE FULLY FUNCTIONAL.	RC
6	CLEAR SITE OF ALL TOOLS, OLD INSULATION, UNUSED INSTALLATION MATERIALS AND TRASH.	RC

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RESPONSIBILITY SCHEDULES

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ABBREVIATIONS

AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
AFF	ABOVE FINISHED FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
BFF	BELOW FINISHED FLOOR
BL	BLOCK LINTEL
BM	BEAM
BO	BOTTOM OF
BOM	BOTTOM OF MASONRY
BOS	BOTTOM OF STEEL
BRG	BEARING
CJ	CONTRACTION JOINT
CL	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
COND	CONDENSER UNIT
CONST	CONSTRUCTION
CONT	CONTINUOUS
DIA	DIAMETER
EF	EXHAUST FAN
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
EQ	EQUAL
ETR	EXISTING TO REMAIN
EW	EACH WAY
FDN	FOUNDATION
FF	FINISHED FLOOR
FS	FAR SIDE
FTG	FOOTING
FV	FIELD VERIFY
GA	GAUGE
GC	GENERAL CONTRACTOR
H	HEIGHT
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHOR
HSS	HOLLOW STRUCTURAL SHAPE
INFO	INFORMATION
ISO	ISOLATION
JBE	JOIST BEARING ELEVATION
JST	JOIST
JT	JOINT
KSI	KIPS PER SQUARE INCH
L	LENGTH
LB	POUNDS
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANOUS
MO	MASONRY OPENING
MTL	METAL
NIC	NOT IN CONTRACT
NO	NUMBER
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
PAF	POWER ACTUATED FASTENER
PCF	POUNDS PER CUBIC FOOT
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PLUMB	PLUMBING
PMEJ	PREMOLDED EXPANSION JOINT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
QTY	QUANITY
RACK	REFRIGERATION RACK
REF	REFER TO
REINF	REINFORCING
REQD	REQUIRED
REV	REVERSE
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SPCS	SPACES
SPECS	SPECIFICATIONS
STRUC	STRUCTURAL
T&B	TOP AND BOTTOM
THK	THICKNESS
TO	TOP OF
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W	WIDTH
WP	WORK POINT

GENERAL NOTES

GENERAL

1. FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHOWN OR IMPLIED BY THESE DRAWINGS. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.
2. EXISTING CONDITIONS SHOWN MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. BIDDERS SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BID. WITHIN ONE WEEK FROM THE START OF CONSTRUCTION DATE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING MATERIAL, MEASUREMENTS, AND ELEVATIONS AND SHALL NOTIFY THE ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE OWNER'S CONSTRUCTION MANAGER OF ANY DISCREPANCIES OR FORESEEN PROBLEMS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD MEASUREMENTS, EXISTING CONDITIONS, AND KNOWN COMPLICATIONS WITH THE MATERIAL SUPPLIERS.
3. GENERAL CONTRACTOR SHALL CAREFULLY COORDINATE DEMOLITION AND NEW CONSTRUCTION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.
4. GENERAL CONTRACTOR SHALL PROTECT EXISTING STRUCTURES, UTILITIES, PROPERTY, ETC DURING CONSTRUCTION. RESTORE ALL ITEMS DAMAGED, AS REQUIRED BY OWNER'S REPRESENTATIVE, TO THE OWNER'S SATISFACTION AT NO COST TO OWNER OR WITHOUT EXTENSION OF CONTRACT TIME.
5. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
6. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SUPPORT AND MAINTAINING STABLITY OF EXISTING STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
7. BEFORE OR CONCURRENT WITH ANY EXCAVATIONS ADJACENT TO THE EXISTING BUILDING FOUNDATION OR SLAB, GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SUPPORT FOR THE BASE AND SUBGRADE OF THE EXISTING SLAB AND FOUNDATIONS TO PREVENT UNDERMINING.
8. GENERAL CONTRACTOR SHALL PROVIDE FIRE PROTECTION FOR THE EXISTING STRUCTURE AND BUILDING CONTENTS DURING WELDING OR ANY OTHER CONSTRUCTION ACTIVITY THAT GENERATES SPARKS OR INTENSE HEAT.
9. GENERAL CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF PENETRATIONS THROUGH THE STRUCTURE FOR MECHANICAL, ELECTRICAL AND PLUMBING WORK.
10. THE STRUCTURAL ENGINEER OF RECORD, ITS EMPLOYEES, AND REPRESENTATIVES SHALL NOT BE RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK; NOR WILL THEY BE RESPONSIBLE FOR ANY FAILURE BY THE CONTRACTOR TO PERFORM OR COMPLETE CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

CONCRETE AND REINFORCING STEEL

1. MINIMUM COMPRESSIVE STRENGTH (f'c) AT THE END OF 28 DAYS SHALL BE AS FOLLOWS:
   - A. INTERIOR CAST-IN-PLACE CONCRETE SLABS — 4000 PSI — SPECIFICATION SECTION 03314
   - B. EXTERIOR CAST-IN-PLACE CONCRETE SLABS — REF SPECS — SPECIFICATION SECTION 03310

   FOR ALL OTHER CONCRETE PROPERTIES REFER TO SPECIFICATIONS.
2. CONCRETE FREEZING AND THAWING EXPOSURE CLASS SHALL BE F2 AND SULFATE EXPOSURE CLASS SHALL BE S0.
3. REINFORCING STEEL SHALL MEET ASTM SPECIFICATION A 615, DEFORMED BAR, GRADE 60 OR ASTM SPECIFICATION A 706, DEFORMED BAR, GRADE 60.
4. REFER TO ACI 315 FOR DETAILING PRACTICES AND FABRICATION, AND ACI 301 FOR STANDARD PRACTICE FOR MIXING AND PLACING CONCRETE AND CONCRETE COVER.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL MEET THE FOLLOWING MINIMUM YIELD STRENGTH AND SPECIFICATIONS. FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "AISC CODE OF STANDARD PRACTICE".

STRUCTURAL STEEL	YIELD	ASTM SPECIFICATION
A. PLATES, CHANNELS, ANGLES, & ANCHOR BOLTS:	36 KSI	A 36, UNO
B. WIDE FLANGE STEEL SHAPES:	50 KSI	A 992

2. ALL STRUCTURAL STEEL SHALL HAVE ONE SHOP COAT OF RUST INHIBITOR PRIMER PAINT CONFORMING TO THE SPECIFICATIONS. FIELD TOUCH UP ALL UNPAINTED, NICKED AND WELDED AREAS. PAINT ALL STEEL EXPOSED TO VIEW TO MATCH EXISTING.
3. WELDING SHALL MEET ANSI/AWS D1.1 STRUCTURAL WELDING CODE. ELECTRODES SHALL BE 70 KSI LOW HYDROGEN.

STEEL JOISTS AND JOIST GIRDERS

1. EXISTING STEEL JOISTS AND JOIST GIRDERS ARE ASSUMED TO BE IN GOOD CONDITION AND IN COMPLIANCE WITH THE STEEL JOIST INSTITUTE SPECIFICATIONS. ANY DAMAGE TO EXISTING JOISTS OR GIRDERS SHALL BE REPORTED PRIOR TO ADDING LOAD TO FRAMING.
2. ALL WELDING SHALL CONFORM TO THE CURRENT AMERICAN WELDING SOCIETY SPECIFICATIONS AND BE PERFORMED BY CERTIFIED WELDERS. DO NOT OVER WELD OR BURN THRU JOIST MATERIAL. ANY DAMAGE TO EXISTING JOIST SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

MASONRY

1. CONCRETE MASONRY UNITS SHALL MEET ASTM SPECIFICATION C 90. THE SPECIFIED DESIGN COMPRESSIVE STRENGTH OF CONCRETE MASONRY (f'm) SHALL BE 1500 PSI. THE NET AREA COMPRESSIVE STRENGTH OF THE CONCRETE MASONRY UNITS SHALL BE 2000 PSI.
2. MORTAR SHALL BE A PREBLENDED DRY MIX CONFORMING TO ASTM C 1714 AND MEETING THE PROPERY SPECIFICATIONS OF ASTM C 270 TYPE "S" MORTAR. REF SPECIFICATION 04200 FOR ADDITIONAL REQUIREMENTS.
3. GROUT SHALL MEET ASTM SPECIFICATION C 476 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI. REF SPECIFICATION SECTION 04200 FOR ADDITIONAL REQUIREMENTS.
4. GROUT SHALL BE MECHANICALLY CONSOLIDATED USING A VIBRATOR WITH A MAXIMUM 3/4" DIAMETER HEAD. REF SPECIFICATION SECTION 04200.
5. HORIZONTAL JOINT REINFORCEMENT SHALL BE LADDER TYPE SPACED AT 16" OC VERTICALLY FOR THE ENTIRE HEIGHT OF THE WALL.
6. CONCRETE MASONRY SHALL BE LAID IN RUNNING (COMMON) BOND.
7. CONCRETE MASONRY ABOVE FINISHED FLOOR SHALL BE LIGHT WEIGHT OR NORMAL WEIGHT AND SHALL BE GROUTED ONLY AT REINFORCED CELLS AND BOND BEAMS, UNO.

SUBGRADE AND BASE

1. PRIOR TO PLACEMENT OF SLABS IN SLAB REMOVAL AREAS, EXPOSED SUBGRADE SHALL BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698). WHERE SOILS ARE DISTURBED TO A DEPTH GREATER THAN 1'-0", COMPACTION SHALL BE PERFORMED IN A MAXIMUM 8 INCH LOOSE LIFTS.
2. IN SLAB REMOVAL AREAS WHERE SUBGRADE IS NEEDED TO RAISE PAD TO PROPER ELEVATION, PROVIDE BASE AND/OR CHOKER MATERIAL AS INDICATED IN SPECS.

DESIGN LOADS

1. BUILDING CODE	
A. BUILDING CODE	2021 IBC
2. GRAVITY LOADS	
1. ORIGINAL	18 PSF (PER EXISTING DRAWINGS)
2. EXPANSION	17.8 PSF (PER EXISTING DRAWINGS)
B. ROOF LIVE LOADS	
1. ROOF	25 PSF (MIN OR SNOW LOAD)
C. SNOW LOADS	
1. GROUND SNOW LOAD (Pg)	25 PSF
2. IMPORTANCE FACTOR (I)	1.0
3. SNOW EXPOSURE FACTOR (Ce)	1.0
4. ROOF THERMAL FACTOR (Ct)	1.0
5. FLAT ROOF SNOW LOAD (Pf) (PER CODE)	20 PSF
6. FLAT ROOF SNOW LOAD (Pf) (PER EXISTING DRAWINGS)	25 PSF
3. LATERAL LOADS	
A. WIND LOADS	
1. BASIC WIND SPEED (3-SECOND GUST)	
- ULTIMATE WIND SPEED	110 MPH
- NOMINAL WIND SPEED	85 MPH
2. WIND EXPOSURE CATEGORY	C
3. RISK CATEGORY	II
B. SEISMIC LOADS (SERVICE)	
1. 5% DAMPED MAPPED ACCELERATION PARAMETER (Ss)	1.261
2. 1-SEC PERIOD MAPPED ACCELERATION PARAMETER (S1)	0.435
3. 5% DAMPED SPECTRAL RESPONSE COEFF. (Sds)	0.841
4. 1-SEC PERIOD SPECTRAL RESPONSE COEFF. (Sd1)	0.541
5. SITE CLASS	D
6. RISK CATEGORY	II
7. IMPORTANCE FACTOR (Ie)	1.0
8. SEISMIC DESIGN CATEGORY	D

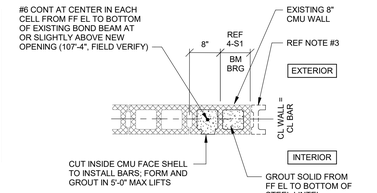
STATEMENT OF SPECIAL INSPECTIONS

SPECIAL INSPECTIONS ARE REQUIRED. REFER TO APPENDIX B OF THE PROJECT SPECIFICATIONS FOR THE FOLLOWING INFORMATION REGARDING THE REQUIREMENTS OF SPECIAL INSPECTIONS:

1. THE MATERIALS, SYSTEMS, COMPONENTS AND WORK REQUIRED TO HAVE SPECIAL INSPECTIONS.
2. THE TYPE AND EXTENT OF EACH SPECIAL INSPECTION.
3. THE TYPE AND EXTENT OF EACH TEST.
4. ADDITIONAL SPECIAL INSPECTION REQUIREMENTS FOR WIND OR SEISMIC RESISTANCE (WHEN APPLICABLE).
5. THE FREQUENCY OF SPECIAL INSPECTIONS AND TESTING.

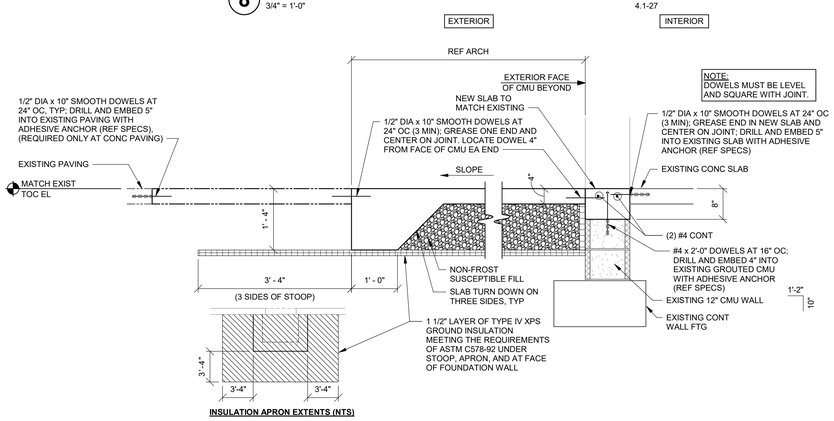
THE SPECIAL INSPECTION REQUIREMENTS ARE BASED ON CHAPTER 17 OF THE IBC.

NOTES:
1. COMPLETE INTERIOR FACE ONLY SHALL BE REMOVED.
2. ALL WORK SHOWN IN THIS DETAIL SHALL BE DONE ON INSIDE FACE OF WALL, UNLESS APPROVED BY ARCHITECT OF RECORD.
3. PARTIAL CMU CELL MAY BE PRESENT AT EDGE OF NEW OPENING DUE TO NEW OPENING SIZE. IF PARTIAL CMU CELL IS PRESENT, FORM EDGE AND GROUT SOLID TO BOTTOM OF STEEL LINTEL.
4. IF EXISTING CELL(S) IS REINFORCED AND GROUTED SOLID, REINFORCING SHOWN FOR THAT CELL IS NOT REQUIRED.



8 JAMB REINFORCING AT NEW OPENING

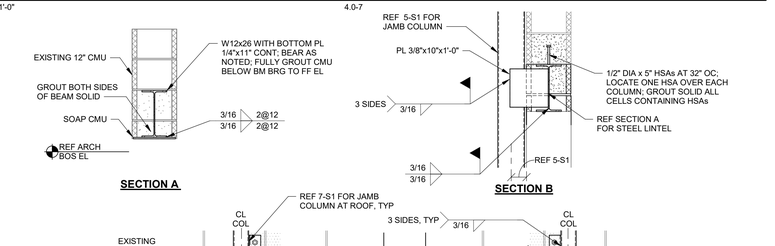
3/4" = 1'-0" — 4.1-27

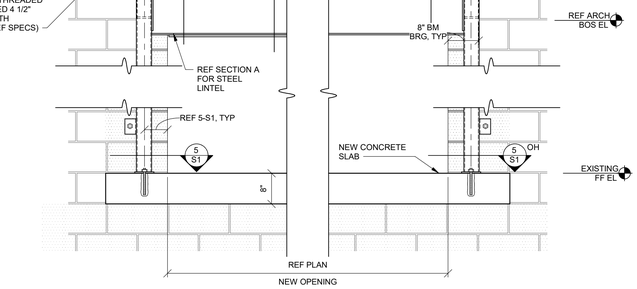


INSULATION APRON EXTENTS (NTS)

7 SLAB AT OPENING WITH STOOP

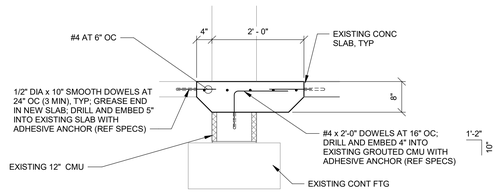
3/4" = 1'-0" — 4.0-7



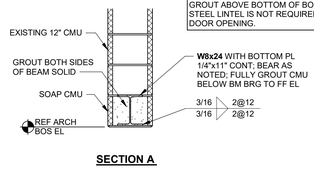


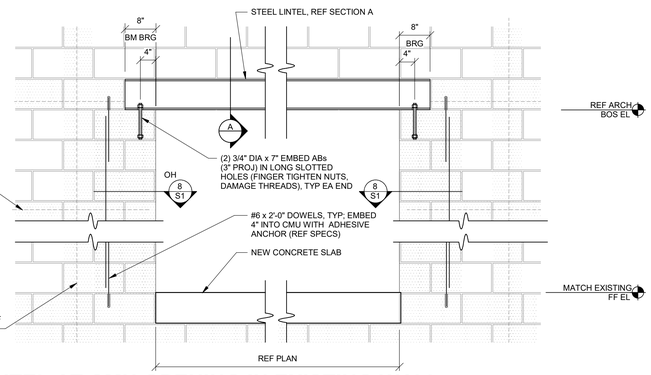
6 SLAB INFILL AT NEW OPENING IN INTERIOR EXIST WALL

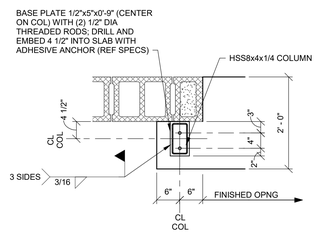
3/4" = 1'-0" — 4.1-22



NOTE:
AS-BUILT DRAWINGS INDICATE EXISTING BOND BEAMS AT 4'-0" OC VERT. IF A STEEL REINFORCING SCAN IS PERFORMED WHICH CONFIRMS THAT BOND BEAM REINFORCEMENT IS LOCATED IN COURSE DIRECTLY ABOVE THE NEW OPENING AND THERE IS AT LEAST 8" OF GROUT ABOVE BOTTOM OF BOND BEAM, THE STEEL LINTEL IS NOT REQUIRED AT NEW DOOR OPENING.







5 JAMB COLUMN AT NEW OPENING

3/4" = 1'-0"

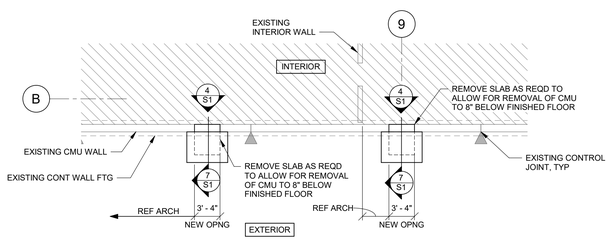
4 STEEL LINTEL AT CMU OPENING IN EXISTING WALL

3/4" = 1'-0" — 4.1-7

3 STEEL FRAMING AT CMU OPENING IN EXISTING WALL

3/4" = 1'-0" — 4.1-3

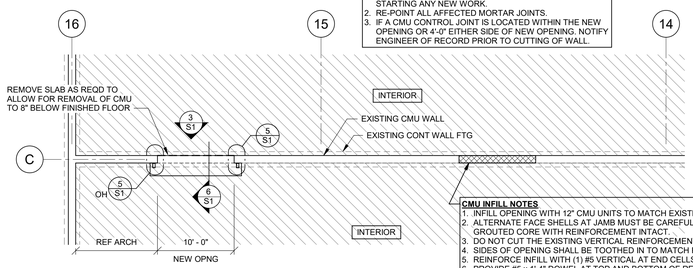
NOTES:
1. SHORE EXISTING STRUCTURE AS REQUIRED PRIOR TO STARTING ANY NEW WORK.
2. RE-POINT ALL AFFECTED MORTAR JOINTS.
3. IF A CMU CONTROL JOINT IS LOCATED WITHIN THE NEW OPENING OR 4'-0" EITHER SIDE OF NEW OPENING. NOTIFY ENGINEER OF RECORD PRIOR TO CUTTING OF WALL.



2 NEW OPENING PLAN

1/8" = 1'-0"

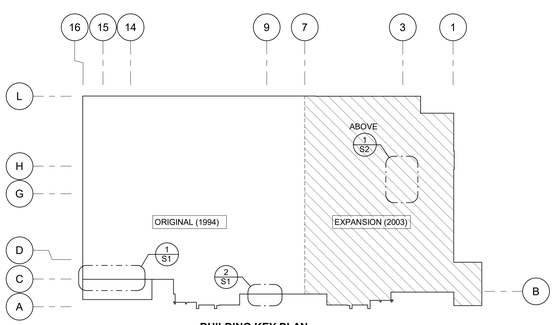
NOTES:
1. SHORE EXISTING STRUCTURE AS REQUIRED PRIOR TO STARTING ANY NEW WORK.
2. RE-POINT ALL AFFECTED MORTAR JOINTS.
3. IF A CMU CONTROL JOINT IS LOCATED WITHIN THE NEW OPENING OR 4'-0" EITHER SIDE OF NEW OPENING. NOTIFY ENGINEER OF RECORD PRIOR TO CUTTING OF WALL.



CMU INFILL NOTES
1. INFILL OPENING WITH 12" CMU UNITS TO MATCH EXISTING.
2. ALTERNATE FACE SHELLS AT JAMB MUST BE CAREFULLY REMOVED TO LEAVE GROUTED CORE WITH REINFORCEMENT INTACT.
3. DO NOT CUT THE EXISTING VERTICAL REINFORCEMENT.
4. SIDES OF OPENING SHALL BE TOOTHED IN TO MATCH RUNNING BOND.
5. REINFORCE INFILL WITH (1) #5 VERTICAL AT END CELLS AND AT 24" OC IN BETWEEN.
6. PROVIDE #5 x 1'-4" DOWEL AT TOP AND BOTTOM OF REINFORCED CELLS; EMBED 4" INTO EXISTING CMU/CONC WITH ADHESIVE ANCHOR (REF SPECS); CONTACT MANUFACTURER REPRESENTATIVE FOR PROPER OVERHEAD INSTALLATION.

1 NEW OPENING AND INFILL PLAN

1/8" = 1'-0"



BUILDING KEY PLAN

brr
ARCHITECT OF RECORD:
BRR ARCHITECTURE, INC
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OVERLAND PARK, KS 66204
www.brrarch.com
TEL: 913-262-9095
FAX: 913-262-9044

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consulting structural engineers
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PHONE: (816) 221-1122 FAX: (816) 221-1166
JBA NO. 2401802403

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310 31ST AVE SE
STORE NO: 02403 - 254
JOB NUMBER: 9654624 PROTO: 192

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PROTO CYCLE:	03/29/24
DOCUMENT DATE:	05/10/24

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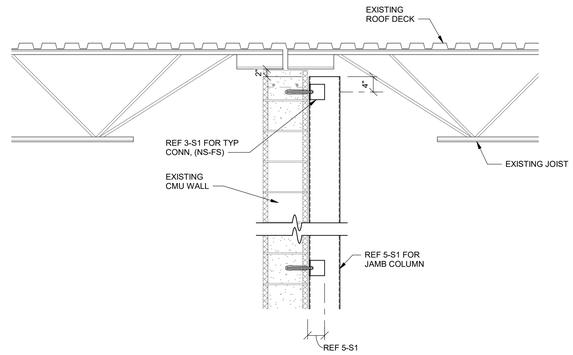
BRIAN C. BELT — STATE OF WASHINGTON — 20019445 — REGISTERED PROFESSIONAL ENGINEER
05/09/24

NEW OPENING AND INFILL PLAN AND DETAILS

SHEET: S1

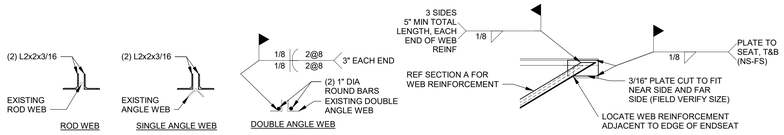
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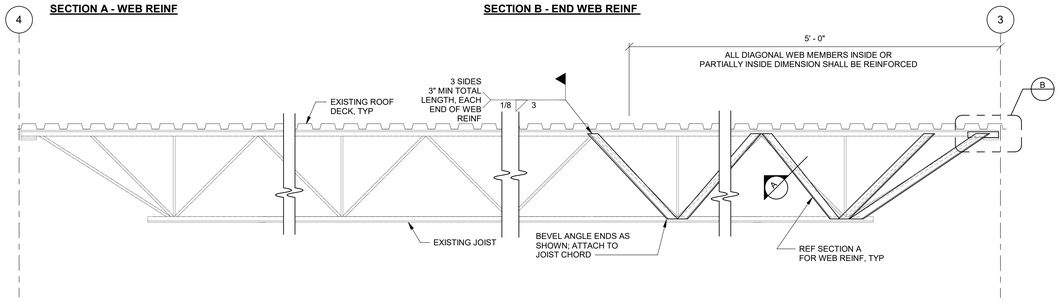
7 JAMB COLUMN AT ROOF

3/4" = 1'-0" 4.1-32



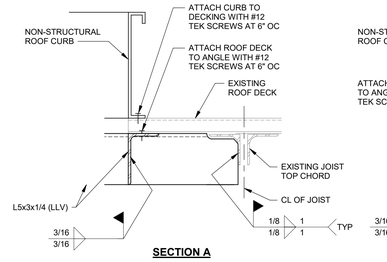
SECTION A - WEB REINF

SECTION B - END WEB REINF

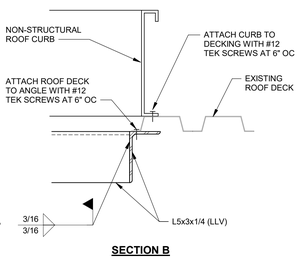


6 JOIST DIAGONAL WEB REINFORCEMENT (SINGLE)

3/4" = 1'-0" 5.0-1

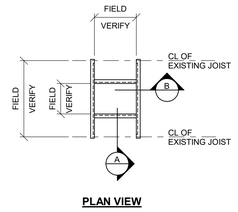


SECTION A



SECTION B

NOTE:
REF ARCH/REFRIGERATION FOR EXACT LOCATIONS OF ROOF PENETRATION.

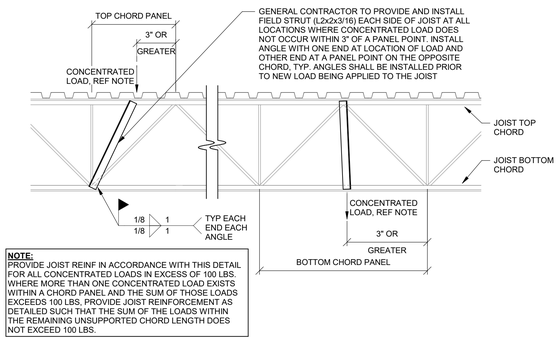


PLAN VIEW

5 SUPPORT FRAMING AT PIPE PENETRATION

1 : 6 6.0-2

Welding to be done by an individual or fabricator who is WABO certified or approved by the Building Official to perform the work. All welds must be inspected and approved by a WABO certified special inspector.

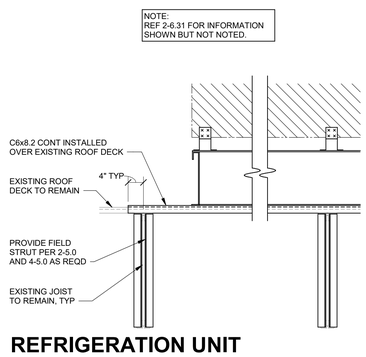


NOTE:
PROVIDE JOIST REINF IN ACCORDANCE WITH THIS DETAIL FOR ALL CONCENTRATED LOADS IN EXCESS OF 100 LBS. WHERE MORE THAN ONE CONCENTRATED LOAD EXISTS WITHIN A CHORD PANEL AND THE SUM OF THOSE LOADS EXCEEDS 100 LBS, PROVIDE JOIST REINFORCEMENT AS DETAILED SUCH THAT THE SUM OF THE LOADS WITHIN THE REMAINING UNSUPPORTED CHORD LENGTH DOES NOT EXCEED 100 LBS.

4 JOIST REINFORCING AT CONCENTRATED LOAD

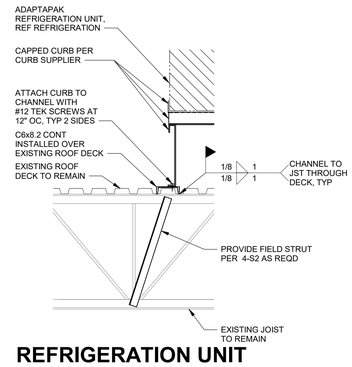
3/4" = 1'-0" 5.0-2

NOTE:
REF 2-6.31 FOR INFORMATION SHOWN BUT NOT NOTED.



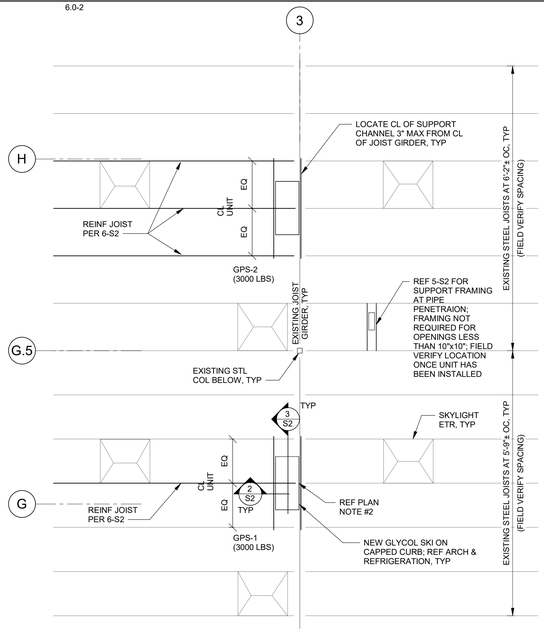
3 REFRIGERATION UNIT ROOF CURB SUPPORT

3/4" = 1'-0" 6.3-3



2 REFRIGERATION UNIT ROOF CURB SUPPORT

3/4" = 1'-0" 6.3-2



1 ROOF FRAMING PLAN - GLYCOL SKID SUPPORT FRAMING

1/8" = 1'-0"

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Walmart

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310 31ST AVE SE
STORE NO: 02403 - 254
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DOCUMENT DATE:	05/10/24

PRCTI20241053

BRIAN C. BELDEN
STATE OF WASHINGTON
20034440
REGISTERED PROFESSIONAL ENGINEER
05/09/24

PARTIAL ROOF PLAN AND DETAILS

SHEET: S2

5/9/2024 10:35:56 AM

PRCTI20241053

HYDROSTATIC TEST

BUILDING SPRINKLER SYSTEM(S) INVOLVED IN THIS SCOPE OF WORK SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH NFPA 13. MOREOVER, THE FOLLOWING TWO (2) HYDROSTATIC TESTS SHALL BE PERFORMED BY THE CONTRACTOR:

1. THE FIRST HYDROSTATIC TEST SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO START OF SPRINKLER SYSTEM SCOPE OF WORK (" PRE-SCOPE HYDRO TEST "); AND
2. THE SECOND HYDROSTATIC TEST SHALL BE PERFORMED BY THE CONTRACTOR AFTER COMPLETION OF CONTRACT SCOPE OF WORK (" POST-SCOPE HYDRO TEST ").

THE HYDROSTATIC TESTS SHALL BE COMPLETED AS FOLLOWS;

WHERE EXISTING SYSTEM AND/OR NEW WORK COMPONENTS CANNOT BE ISOLATED IN ACCORDANCE WITH NFPA 13, TEST SYSTEM TO NORMAL WORKING PRESSURE (140 PSI).

WHERE NEW WORK/SYSTEM CAN BE ISOLATED, TEST SYSTEM TO 200 PSI. ALL HYDROSTATIC TESTING SHALL BE PERFORMED IN ACCORDANCE WITH NFPA 13.

THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR DAMAGE TO CONTENTS OR BUILDING OCCURRING DURING THE PRE-SCOPE HYDRO TEST " PROVIDED ALL COMMERCIALLY REASONABLE MEASURES NECESSARY OR PRUDENT TO PROTECT CONTENTS OR BUILDING COMPONENTS WERE FOLLOWED FOR APPROPRIATE TEST PROCESS. CONTRACTOR SHALL COMPLETE REPAIRS AND / OR REMEDIATION TO EXISTING SYSTEMS REQUIRED AS A RESULT OF DEFICIENCIES IDENTIFIED DURING PRE-SCOPE TESTING AS AN ADDITIONAL SERVICE. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DAMAGE TO CONTENTS OR BUILDING OCCURRING DURING THE " POST-SCOPE HYDRO TEST " PROCEDURE ORIGINATING IN EXISTING OR NEW SYSTEM COMPONENTS. CONTRACTOR SHALL COMPLETE REPAIRS AND / OR REMEDIATION TO EXISTING SYSTEMS REQUIRED AS A RESULT OF DEFICIENCIES IDENTIFIED DURING POST-SCOPE TESTING AT NO ADDITIONAL COST TO WALMART. WHEN CONDUCTING HYDROSTATIC TESTING ON EXISTING SYSTEMS AS REQUIRED BY NFPA 13, CONTRACTOR SHALL TAKE SUCH ACTIONS AS MAY BE NECESSARY TO REDUCE POTENTIAL DAMAGE TO CONTENTS AND BUILDING DURING EXECUTION OF SCOPE OF WORK, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. USE OF LOW CAPACITY PRESSURE PUMP TO INCREASE PRESSURE IN SYSTEM AT INCREMENTAL RATE TO LIMIT SURGES IN SYSTEM; AND
2. PROVISION OF WORK STAFF DEDICATED TO MONITORING THE IMPACTED SYSTEM AREA DURING PRESSURE APPLICATION AND DURING HYDROSTATIC TEST FOR SIGNS OF SYSTEM COMPROMISE (MINIMUM 1 PERSON / 20,000 SQ. FT. AREA) ; AND
3. MAINTAINING DEDICATED PERSON AT SYSTEM CONTROL VALVE IN CONSTANT COMMUNICATION WITH SYSTEM MONITORS TO SHUT OFF TEST PUMP AND DRAIN SYSTEM IN EVENT OF SYSTEM FAILURE OR LEAK; AND
4. PROVISION OF READY SUPPLIES PRIOR TO START OF TESTING TO LIMIT DAMAGE MINIMIZATION IN EVENT OF SYSTEM FAILURE (TARPS / PLASTIC SHEETING, WET / DRY VACUUM ETC.); AND
5. COVERING HIGH VALUE EQUIPMENT PRIOR TO TESTING; AND
6. LIMITATION OF TESTING TO ONE SYSTEM AT A TIME; AND
7. TESTING OF SYSTEMS DURING OFF HOURS / OVERNIGHT.

PIPE DIMENSION TABLES

REFER TO HYDRAULIC CALCULATIONS FOR PIPE TYPE

NOMINAL SIZE	SCHEDULE 40 INSIDE DIAMETER	SCHEDULE 10 INSIDE DIAMETER
1"	1.049"	1.097"
1 1/4"	1.380"	1.442"
1 1/2"	1.610"	1.682"
2"	2.067"	2.157"
2 1/2"	2.469"	2.635"
3"	3.068"	3.260"
4"	4.026"	4.260"
6"	5.995"	6.357"
8"		8.249"

SYMBOL LEGEND

SYMBOL	DESCRIPTION
	EXISTING BRANCH LINE TO REMAIN
	EXISTING MAIN LINE TO REMAIN
	DEMO PIPING
	DEMO SPRINKLERS
	EXISTING OVERHEAD SPRINKLERS
	EXISTING PENDENT SPRINKLERS
	BRANCH LINE TO BE INSTALLED
	MAIN LINE TO BE INSTALLED
	HYDRAULIC CALCULATION AREA
X	HYDRAULIC REFERENCE POINT
	1" OUTLET WITH ARM-OVER TO NEW PENDENT SPRINKLER
	NEW DRILLED 1" MECHANICAL TEE WITH ARM-OVER TO NEW PENDENT SPRINKLER
	AIR RELEASE VALVE
	PLUG EXISTING OUTLET

SHEET INDEX

SHEET NUMBER	SHEET NAME
FP1	FIRE SPRINKLER SITE PLAN
FP2	FIRE SPRINKLER DEMOLITION PLAN NORTH
FP3	FIRE SPRINKLER DEMOLITION PLAN SOUTH
FP4	OVERALL FIRE SPRINKLER UPGRADE PLAN
FP5	FIRE SPRINKLER UPGRADE PLAN NORTH
FP6	FIRE SPRINKLER UPGRADE PLAN SOUTH
FP7	FIRE SPRINKLER DETAILS

OWNER FURNISHED SPRINKLERS AND ACCESSORIES

SYMBOL	SIZE	K-FACTOR	FINISH	MFR	MAKE	S.I.N.	TEMP	STYLE	QTY	SPARE QTY	ESCH STYLE	ESCH FINISH	ESCH QTY
▲	3/4"	16.8	WHITE	TYCO	K17-231	TY7258	200	PENDENT	938	12	STYLE 30	WHITE	938
⊗	3/4"	16.8	BRASS	TYCO	TY7158	TY7158	155	UPRIGHT	275	6	---	---	---
⊗*	3/4"	16.8	BRASS	TYCO	TY7158	TY7158	200	UPRIGHT	10	6	---	---	---
⊗**	3/4"	16.8	BRASS	TYCO	TY7158	TY7158	286	UPRIGHT	10	6	---	---	---
◈	3/4"	11.2	BRASS	TYCO	ELO-231 FRB	TY5131	155	UPRIGHT	350	12	---	---	---
◈*	3/4"	11.2	BRASS	TYCO	ELO-231 FRB	TY5131	200	UPRIGHT	8	6	---	---	---
◘	3/4"	11.2	BRASS	TYCO	ELO-231 FRB ON SPRIG	TY5131	155	UPRIGHT	66	---	---	---	---

SUBSTITUTIONS WILL NOT BE PERMITTED. REFERENCE SPECIFICATIONS APPENDIX B FOR ADDITIONAL INFORMATION.

WHERE SPRINKLERS ARE INSTALLED BELOW OBSTRUCTIONS (REFRIGERATION PIPING, RTUs, CABLE TRAYS, ETC.) THESE SPRINKLERS SHALL BE REPLACED WITH SPRINKLERS MATCHING THE NEW SPRINKLERS BEING INSTALLED AT THE ROOF DECK LEVEL.

* INTERMEDIATE TEMPERATURE SPRINKLERS TO BE FURNISHED BY OWNER FOR INSTALLATION BELOW SKYLIGHTS.

**HIGH TEMPERATURE SPRINKLERS TO BE FURNISHED BY OWNER FOR INSTALLATION AROUND UNIT HEATERS.

THE OWNER WILL FURNISH ONE (1 QTY) SPRINKLER WRENCH (TYPE 38) FOR INSTALLATION PURPOSES FOR THE TY7258 WHEN INSTALLING WITH STYLE 30 ESCUTCHEONS. THE CONTRACTOR IS REQUIRED TO SAVE THE OWNER FURNISHED SPRINKLER WRENCH INSIDE THE SPARE HEAD CABINET AFTER INSTALLATION HAS BEEN COMPLETED.

THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO OWNER FURNISHED SPRINKLERS DURING INSTALLATION. TO REPLACE DAMAGED SPRINKLERS CONTACT HAINES, JONES, CADBURY 1-800-459-7099.

THE OWNER WILL FURNISH ADDITIONAL (OWNER-FURNISHED) SPRINKLERS FOR THE SPARES CABINET. INSTALL SPARE SPRINKLER QUANTITY INDICATED ON CONTRACT DOCUMENTS PRIOR TO FIRE PROTECTION CONSULTANT SITE OBSERVATION.

AUTOMATIC FIRE SPRINKLER LEGEND

NOTE: NO O-RING SPRINKLERS ARE TO BE USED ON THIS PROJECT

SYMBOL	THD	MFR	MODEL	S.I.N.	FINISH	ESC	TEMP	K-FAC	TOTAL
●	1/2"	TYCO	TY-FRB	TY323	WHITE	RECESSED	155'	5.6	5
⊘	1/2"	TYCO	TY-FRB	TY323	WHITE	401	155'	5.6	1
◢	**	TYCO	PEND	**	**	NONE	**	**	2
⬢	**	TYCO	PEND	**	**	**	**	**	10

** INDICATES MATCH EXISTING

WHERE SPRINKLERS ARE CALLED OUT TO "MATCH EXISTING," THE CONTRACTOR SHALL PROVIDE SPRINKLERS MANUFACTURED BY TYCO, WHICH ARE EQUIVALENT TO THE EXISTING TO REMAIN SPRINKLERS. SUBSTITUTIONS WILL NOT BE PERMITTED.

SYSTEM IMPAIRMENT REQUIREMENTS

1. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION, VERIFICATION AND PROVISION OF A FIRE WATCH SUBJECT TO THE REQUIREMENTS OF THE LOCAL JURISDICTION. ALL FIRE WATCH COSTS INCURRED AS A RESULT OF THIS PROJECT SHALL BE INCLUDED IN THE PROJECT BID AS A SEPARATE LINE ITEM. COORDINATION AND VERIFICATION AS TO WHEN A FIRE WATCH MAY BE NEEDED SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
2. THE GENERAL CONTRACTOR SHALL REQUEST THE STORE MANAGER TO NOTIFY ALARM CENTRAL OF THE SYSTEM(S) BEING SHUT OFF FOR WORK AND THE DURATION OF THE SHUT OFF.
3. THE GENERAL CONTRACTOR SHALL CALL DIRECT TO THE FIRE DEPARTMENT AND ADVISE THAT THE FIRE ALARM SYSTEM IS IN TEST.
4. AT THE END OF EACH NIGHTS WORK, THE GENERAL CONTRACTOR SHALL CALL DIRECT TO THE FIRE DEPARTMENT AND ALARM CENTRAL TO ADVISE WORK IS COMPLETE.
5. A FIRE WATCH SHALL BE REQUIRED WHEN ANY FIRE PROTECTION SYSTEM IS IMPAIRED OR OTHERWISE DOWN FOR ALTERATION PER IFC 2021 EDITION. THE APPROVED FIRE WATCH SHALL BE CONDUCTED BY A DEDICATED, TRAINED WALMART EMPLOYEE WHOSE SOLE RESPONSIBILITY WILL BE TO PERFORM HOURLY PATROLS OF THE PREMISES AND KEEP WATCH FOR FIRES AND WILL NEED TO DOCUMENT THEIR WALK AND REPORT BACK TO THE GENERAL CONTRACTOR AND WALMART MANAGEMENT. THIS PERSON SHALL BE PROVIDED WITH A PHONE APPROVED MEANS FOR NOTIFICATION TO THE FIRE DEPARTMENT.
6. ONLY (1) ONE SYSTEM IS PERMITTED TO BE SHUT DOWN AT ONE TIME.
7. ANY FIRE DEPARTMENT FEES FOR FAILURE TO FOLLOW PROCEDURES WILL BE AT THE GENERAL CONTRACTORS EXPENSE.
8. REQUIRED MEANS OF EGRESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, DEMOLITION, REMODELING OR ALTERATIONS AND ADDITIONS TO THE WALMART. ALL EXITS SHALL NOT BE BLOCKED, REDUCED OR OTHERWISE MADE INOPERABLE WHICH ALSO INCLUDES THE EXIT ACCESS, THE EXIT AND EXIT DISCHARGE TO THE PUBLIC WAY. TEMPORARY MEANS OF EGRESS ARE ALLOWED.
9. ALL SYSTEMS TO BE LEFT IN SERVICE PRIOR TO THE END OF EACH WORKDAY.

AIR RELEASE VENT

ONE AIR VENT MUST BE INSTALLED ON ALL WET TYPE FIRE PROTECTION SYSTEMS INCLUDING SYSTEMS NOT AFFECTED BY THE REMODEL SCOPE OF WORK. EACH AIR VENT IS TO BE INSTALLED AT THE HIGHEST POINT OF THE SYSTEM AND PREFERABLY ON THE MAINS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING THE HIGHEST POINT OF EACH SYSTEM AND INSTALLING THE AIR VENT IN AN ACCESSIBLE LOCATION. IF THE AIR VENT IS TO BE INSTALLED ABOVE AN EXISTING CEILING THE CONTRACTOR MUST PROVIDE SIGNAGE PER NFPA 13. REF 4-FP7.

PLACARD INFORMATION

THE FOLLOWING INFORMATION MUST BE SHOWN ON THE PLACARDS FOR EACH UL PERFORMANCE BASE DESIGNS. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION. PLACARDS THAT ARE INSTALLED WITH INFORMATION WRITTEN PERMANENT MARKER WILL NOT BE ACCEPTED.

SYSTEM #: X AREA: X
SPRINKLERS CALCULATED: X
SPRK END HEAD PRESSURE: X
HOSE DEMAND: X
SYSTEM FLOW DEMAND: X
SYSTEM PRESSURE DEMAND: X
SYSTEM SAFETY FACTOR: X
INSTALLING CONTRACTOR: X

UL PERFORMANCE BASE DESIGN
PROJECT 4788122552, NC27954

SCOPE OF WORK

1. CONTRACTOR TO FIELD VERIFY EXTENT OF WORK.
2. UPGRADE THE EXISTING FIRE SPRINKLER SYSTEM IN THE GROCERY STOCKROOM, GENERAL MERCHANDISING STOCKROOM, SALES FLOOR AND SEASONAL SHOP TO MEET THE DISCHARGE PRESSURE HOSE ALLOWANCE AND MAXIMUM SPRINKLER SPACING AS REFERENCED IN THE PROTECTION CRITERIA LEGEND.
3. THE EXISTING FIRE SPRINKLER SYSTEMS WILL BE MODIFIED AS INDICATED ON THE PROJECT CONTRACT DOCUMENTS. THE SCOPE OF WORK MAY INCLUDE THE MODIFICATION OF EXISTING BRANCHLINES, INSTALLATION OF NEW BRANCHLINES, MODIFICATION OF EXISTING RISER(S), THE REMOVAL AND INSTALLATION OF NEW SPRINKLERS, MODIFICATION OF EXISTING MAINS, INSTALLATION OF NEW MAINS, REPLACEMENT OF THE EXISTING BACKFLOW PREVENTOR.
4. ALL NEW PIPING SHALL HAVE HANGERS INSTALLED IN ACCORDANCE TO THE DETAILS LOCATED ON THE FIRE PROTECTION DETAILS SHEET.
5. ALL 1-INCH ARMOVERS (IF APPLICABLE) SHALL HAVE A HANGER SECURED TO THE STRUCTURAL STEEL ONLY, NOT TO THE DECK WHEN THE LENGTH EXCEEDS 2'-0" WHERE STATIC PRESSURES ARE UP TO 100 PSI AND 1'-0" WHERE STATIC PRESSURES EXCEEDS 100 PSI.
6. WHEN REQUIRED EARTHQUAKE BRACING SHALL BE INSTALLED, REFERENCE EARTHQUAKE BRACING NOTES AND DETAILS LOCATED ON THE FIRE FIRE PROTECTION DETAILS SHEET.
7. CEILING GRID SHALL BE PERMITTED TO BE REMOVED IN AREAS WHERE REQUIRED IN ORDER TO COMPLETE THE WORK NEEDED SUCH AS DEMO AND INSTALLATION OF NEW MAINS OR LONG DROPS. IN THIS CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING DAMAGED CEILING TILE OR GRID DURING THE INSTALLATION. ALL REMOVED CEILING TILES MUST BE REPLACED AT THE END OF BUSINESS DAY. AREAS LEFT EXPOSED SUCH AS BUT NOT LIMITED TO REMOVED CEILING GRID AND CEILING TILES SHALL NOT BE PERMITTED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PURCHASING AND INSTALLING MATCHING CEILING TILES TO REPLACE ANY CEILING TILES THAT HAVE EMPTY HOLES DUE TO SPRINKLER REPLACEMENT.
9. USE EACH EXISTING OUTLETS FOR ONE NEW ARM OVER TO NEW SPRINKLER LOCATION UNLESS HYDRAULICALLY CALCULATED. CONTRACTOR SHALL INSTALL 1" INCH MECHANICAL TEES IF ADDITIONAL OUTLETS ARE REQUIRED. AFTER THE DEMOLITION IS COMPLETE, THE NEW SPRINKLER SYSTEM SHALL MEET ALL REQUIREMENTS OF NFPA 13.
10. CONTRACTOR SHALL PROVIDE NEW SPRINKLERS AS NECESSARY DUE TO PAINT, DAMAGE, ETC., CONTRACTOR SHALL COORDINATE.
11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE FIRE LANES DURING THE SPRINKLER SYSTEM UPGRADE PROCESS. THE CONTRACTOR SHALL COORDINATE WITH THE STORE MANAGER A STAGING AREA FOR MATERIALS AND TOOLS TO BE USED FOR PROJECT PRIOR TO START OF WORK.
12. THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING THE SHOP DRAWINGS, HYDRAULIC CALCULATIONS AND APPROVAL (BY THE ENGINEER OF RECORD AND AHJ) AS WELL AS INSTALLATION.
13. THE SPRINKLER CONTRACTOR MUST FIRST SUBMIT DOCUMENTS, AS OUTLINED IN THE PROJECT SPECIFICATIONS, TO THE FIRE PROTECTION ENGINEER OF RECORD FOR APPROVAL. AFTER THE APPROVAL IS GIVEN, THE CONTRACTOR MUST SUBMIT TO THE AUTHORITY HAVING JURISDICTION FOR INSTALLATION PERMIT.
14. THE CONTRACTOR SHALL COORDINATE WITH THE STORE MANAGER ON THE AREA TO BE WORKED ON AT LEAST 24 HOURS IN ADVANCE.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY CONTENT OR BUILDING COMPONENTS DUE TO CONTRACTOR NEGLIGENCE IN EXECUTION OF THE SCOPE OF WORK SHOWN IN CONTRACT DOCUMENTS. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO REDUCE POTENTIAL DAMAGE TO CONTENTS AND BUILDING DURING EXECUTION OF SCOPE OF WORK. WHERE POTENTIAL FOR DAMAGE TO CONTENTS OR BUILDING COMPONENTS IS CONSIDERED LIKELY DUE TO EXISTING SYSTEM CONDITION OR CONFIGURATIONS, CONTRACTOR SHALL DOCUMENT AND REVIEW CONCERNS WITH WALMART CONSTRUCTION MANAGER PRIOR TO INITIATING AFFECTED WORK.
16. THE CONTRACTOR SHALL REPAIR ANY LEAKS OR REPLACE ANY LEAKING COMPONENTS AFFECTED BY THIS SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.

GENERAL UNDERGROUND NOTES

1. ALL UNDERGROUND IS SHOWN FOR HYDRAULIC REFERENCE ONLY.
2. SEE CIVIL DRAWINGS FOR EXACT LOCATIONS IF AVAILABLE.
3. NO NEW WORK UNLESS OTHERWISE NOTED.

SEISMIC REQUIREMENTS

THE SPRINKLER CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS PER NFPA 13 " PROTECTION OF PIPING AGAINST DAMAGE WHERE SUBJECT TO EARTHQUAKES " . THE SPRINKLER CONTRACTOR MUST ALSO TAKE INTO ACCOUNT THE LIMITATIONS OF THE STRUCTURAL ELEMENTS PRIOR TO SIZING, FASTENING AND/OR LOCATING SEISMIC ASSEMBLIES, RESTRAINTS, ETC. ON THEIR PLANS. STRUCTURAL REQUIREMENTS AND LIMITATIONS MAY BE MORE STRINGENT THAN NFPA.

GENERAL NOTES

1. THE DESIGN SHOWN ON THESE CONTRACT DOCUMENTS HAS BEEN PREPARED FOR APPROVAL BY THE AUTHORITY HAVING JURISDICTION AND TO PROVIDE GUIDANCE FOR BIDDING. SUBMIT COMPLETE FIRE SPRINKLER SHOP DRAWINGS AS REQUIRED BY CONTRACT DOCUMENTS TO THE OWNERS DESIGNATED REVIEWERS. BASE SPRINKLER DESIGN UPON THESE DRAWINGS AND AS REQUIRED BY THE SPECIFICATIONS. SHOP DRAWINGS MUST INCLUDE ELEVATIONS, HANGER LOCATIONS, PIPE LENGTHS, DIMENSIONS, FABRICATIONS METHODS, MATERIAL DATA, AND ADDITIONAL INFORMATION NECESSARY TO CLARIFY THE INTENT OF INSTALLATION. CONTRACTOR SHALL PROVIDE PIPE SIZE, SPRINKLER SPACING, AND SYSTEM CONFIGURATION AS SHOWN. ALTERNATE MATERIALS MUST BE SENT TO THE FIRE PROTECTION ENGINEER OF RECORD OR VIA THE RFI PROCESS AND MUST BE APPROVED IN RECORD DOCUMENTS PRIOR TO BID.
2. COORDINATE LOCATIONS OF FIRE PROTECTION COMPONENTS, INCLUDING PIPING, ALARMS, DRAINS, TEST POINTS, ETC. WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS. OBSTRUCTION TO SPRINKLER DISCHARGE MUST BE CONSIDERED DURING SHOP DRAWING PRODUCTION AND INSTALLATION. ADDITIONAL SPRINKLERS MAY BE REQUIRED AT NO ADDITIONAL COST TO OWNER. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. CONTRACTOR MUST VISIT THE BUILDING SITE TO DETERMINE THE FULL EXTENT OF THE EXISTING FIRE PROTECTION WORK AND EXISTING CONDITIONS, BECOME TOTALLY FAMILIAR WITH THE DISCONNECTIONS, REMOVALS, RELOCATIONS AND/OR RECONNECTIONS OF EXISTING FIRE PROTECTION EQUIPMENT REQUIRED, AND CONDITIONS IN THE PROPOSAL FOR THIS PROJECT. NO EXTRA COMPENSATION WILL BE PAID FOR LACK OF SUCH DETERMINATION, FAMILIARIZATION, AND/OR ALLOWANCE.
4. SUBMIT A REQUEST FOR INFORMATION FOR QUESTIONS REGARDING THE FIRE PROTECTION DOCUMENTS OR RFI PROCESS LOCATED IN THE FIRE PROTECTION SPECIFICATIONS.
5. NEUTRALIZATION WALLS, IF PROVIDED, ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR NEUTRALIZATION WALL PENETRATION DETAIL.
6. PENETRATIONS OF "RATED ASSEMBLIES" SHALL BE FIRE STOPPED WITH AN APPROVED MATERIAL PER METHODS REQUIRED BY PROJECT SPECIFICATIONS AND THE AUTHORITY HAVING JURISDICTION.

FIRE SPRINKLER PIPING AND DEMOLITION NOTES

1. CONTRACTOR MUST VISIT THE BUILDING SITE TO DETERMINE THE FULL EXTENT OF THE EXISTING FIRE PROTECTION WORK AND EXISTING CONDITIONS, BECOME TOTALLY FAMILIAR WITH THE DISCONNECTIONS, REMOVALS, RELOCATIONS AND/OR RECONNECTIONS OF EXISTING FIRE PROTECTION EQUIPMENT REQUIRED, AND CONDITIONS IN THE PROPOSAL FOR THIS PROJECT. NO EXTRA COMPENSATION WILL BE PAID FOR LACK OF SUCH DETERMINATION, FAMILIARIZATION, AND/OR ALLOWANCE.
2. UNLESS INDICATED OTHERWISE, DISCONNECT AND REMOVE ALL EXISTING FIRE PROTECTION COMPONENTS NOT INTENDED TO BE REUSED.
3. DISCONNECT, RELOCATE, AND RECONNECT EXISTING FIRE PROTECTION SYSTEMS AND EQUIPMENT WHERE REQUIRED.
4. NOTE CAREFULLY THAT THE FIRE PROTECTION DRAWINGS ARE INTENDED TO INDICATE, ONLY DIAGRAMMATICALLY, THE EXTENT AND THE GENERAL CHARACTER AND LOCATIONS OF THE WORK INCLUDED. PROVIDE ALL WORK OBVIOUSLY INTENDED, BUT HAVING MINOR DETAILS OMITTED OR NOT SHOWN, COMPLETE AS REQUIRED TO PERFORM THE FUNCTIONS INTENDED. FOLLOW THE CONTRACT DOCUMENTS FOR BUILDING DETAILS AND FIT THE WORK OF THE FIRE PROTECTION DRAWINGS AND SPECIFICATIONS THERETO.
5. REMOVE ALL DEMOLITION MATERIALS AND DEBRIS TO AN APPROVED DUMPING SITE AND CLEAN ALL FIRE PROTECTION WORK PRIOR THE PROJECT COMPLETION.
6. PERFORM ALL WORK ACCORDING TO THE PROJECT PHASING SCHEDULE INFORMATION FOR THIS PROJECT. PROVIDE ALL NECESSARY FIRE PROTECTION WORK, TEMPORARY AND/OR OTHERWISE, AND USE WHATEVER MEANS NECESSARY, TO CONFORM TO THE REQUIRED CONSTRUCTION PHASING OF THE PROJECT.
7. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING ITEMS DAMAGED DURING DEMOLITION AND CONSTRUCTION.
8. CONTRACTOR SHALL PATCH ALL HOLES TO MATCH ADJACENT SURFACES LEFT UNUSED AFTER EXISTING SPRINKLER PIPING OR EQUIPMENT IS REMOVED AND VACATED FROM THESE HOLES.
9. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING FIRE DEPARTMENT ACCESS ROADS THROUGHOUT THE PROJECT.
10. SPRINKLER SYSTEMS NOT ASSOCIATED WITH THE DEMOLITION SHALL BE LEFT IN SERVICE.
11. THE CONTRACTOR SHALL PROPERLY NOTIFY THE LANDLORD, THE LESSOR AND THE ADJACENT TENANTS A MINIMUM OF 48 HOURS IN ADVANCE BEFORE PROCEEDING WITH THIS WORK. ALL WORK SHALL BE SCHEDULED IN ADVANCE.

CONTACT INFORMATION

DOCUMENTS INCLUDE JURISDICTIONAL REQUIREMENTS PROVIDED BY THE FOLLOWING CONTACTS:

FIRE SPRINKLER REVIEWING AUTHORITY: DAVID DRAKE, FIRE INSPECTOR/PLAN REVIEW
(253) 864-4171 / ddrake@puyallupwa.gov

APPLICABLE CODES

NFPA STANDARD: NFPA 13 — EDITION: 2019

UL GUIDELINE:
UL LLC TECHNICAL REPORT PROJECT 4788122552

FIRE CODE:
2021 INTERNATIONAL FIRE CODE

BUILDING CODE:
2021 INTERNATIONAL BUILDING CODE

PUMP TEST DATA

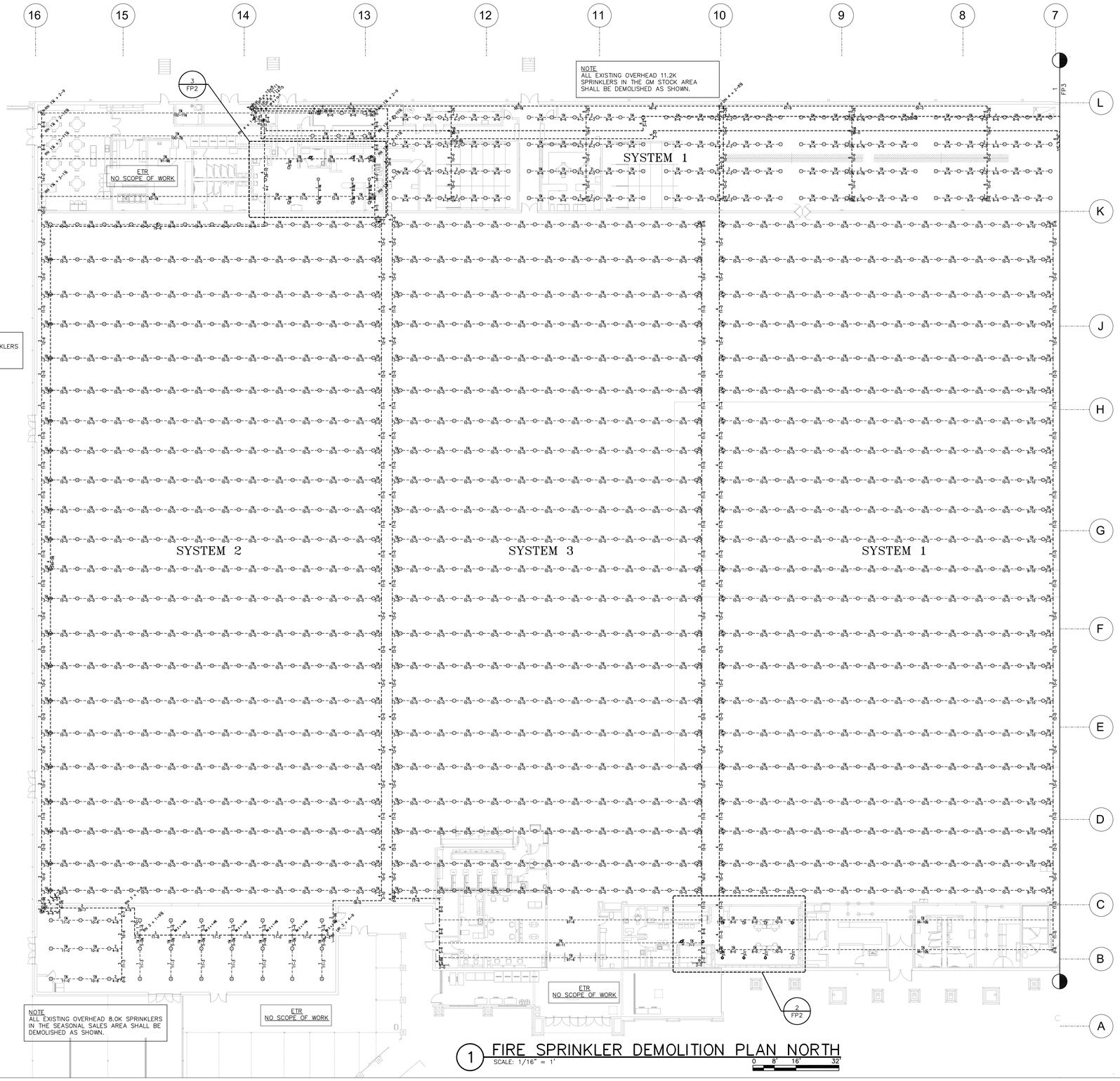
DISCHARGE PSI	SUCTION PSI	NET HEAD PSI	FLOW
125	36	89	0
100	24	76	1500
70	11	59	2250

TEST DATE: 07/13/2023
PUMP RATING: 80 PSI @ 1500 GPM
PUMP TYPE: DIESEL

GENERAL NOTES CONT.

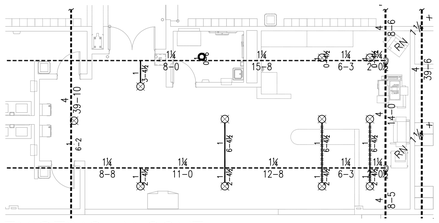
7. THE FIRE PROTECTION ENGINEER OF RECORD SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NOR SHALL THEY BE REQUIRED TO SUPERVISE THE CONDUCT OF THE WORK, THE CONSTRUCTION PROCEDURES FOLLOWED BY THE CONTRACTOR, SUBCONTRACTORS, THEIR RESPECTIVE EMPLOYEES OR ANY OTHER PERSON AT THE JOB SITE OTHER THAN THAT OF THE ENGINEER'S EMPLOYEES.
8. CONTRACTOR MUST REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO BID. SHOULD MODIFICATIONS TO THESE PLANS BECOME NECESSARY TO PROPERLY COORDINATE THE SYSTEM WITH ALL OTHER TRADES, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF THE CHANGES FROM BOTH THE AUTHORITY HAVING JURISDICTION AND THE OWNER'S DESIGNATED REVIEW CONSULTANT IN ADDITION TO OBTAINING THE NECESSARY APPROVALS, THE CONTRACTOR MUST MAKE NOTE OF ANY FIELD OR COORDINATION CHANGES ON THE INSTALLATION DRAWINGS, AND THEN MUST PROVIDE A SET OF AS-BUILT DRAWINGS ONCE COMPLETED.
9. CONTRACTOR MUST VERIFY ALL DROP DOWN LOCATIONS AT EXTERIOR WALLS WITH THE PROJECT MANAGER PRIOR TO INSTALLATION.
10. ALL PIPING MUST BE COORDINATED AROUND FRAMING MEMBERS AND PROPERLY INSTALLED INSIDE THE BAR JOIST.
11. CONTRACTOR SHALL ROUTE PIPING AROUND ALL OBSTRUCTIONS AND PROVIDE SPRINKLER PROTECTION UNDER OBSTRUCTIONS, AS DETAILED IN NFPA 13 STANDARDS AS PART OF THE FIELD COORDINATION AT NO ADDITIONAL COST TO OWNER.
12. ALL SPRINKLER DEFLECTOR DISTANCE REQUIREMENTS SHALL BE IN ACCORDANCE TO THE STANDARDS OUTLINED IN NFPA 13.
13. ALL PIPING PASSING THROUGH CMU WALLS SHALL BE INSTALLED WITH ONE INCH CLEARANCE ON ALL SIDES. CORE DIAMETER EQUAL TO PIPE +2"). ALL CORES SHALL BE COORDINATED WITH STRUCTURAL REINFORCING. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CORING WITH PROPER CLEARANCE AT ALL CMU WALLS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A TWO INCH CLEARANCE AROUND ALL PIPING PASSING THROUGH CONCRETE SLABS. THE SPRINKLER CONTRACTOR SHALL FILL ALL CLEARANCES WITH APPROVED MASTIC.
14. PROVIDE FLUSHING CONNECTIONS IN ACCORDANCE WITH THE STANDARDS OUTLINED IN NFPA 13.
15. PROVIDE ALL NECESSARY OFFSETS, RISES OR DROPS IN PIPING AND AUXILIARY DRAINS REQUIRED BY BUILDING CONDITIONS.
16. EXAMINE THE JOB CONDITIONS AND VERIFY ALL MEASUREMENTS, DISTANCES, ELEVATIONS, CLEARANCES, ETC.
17. ARCHITECTURAL AND ELECTRICAL BACKGROUND INFORMATION IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO THE CONTRACT DOCUMENTS FOR LOCATIONS, SIZES AND QUANTITIES OF OTHER TRADE WORK.
18. SPRINKLER SPACING SHALL BE PER NFPA 13 UNLESS OTHERWISE NOTED ON PLANS AND/ OR PROTECTION CRITERIA LEGEND.
19. INTERFACE SPRINKLER SYSTEM WITH FIRE PROTECTION SUPERVISORY SYSTEM.
20. ALL MATERIALS SHALL BE UL LISTED OR FM APPROVED. SPRINKLER PIPE SHALL BE MANUFACTURED TO STANDARDS RECOGNIZED BY NFPA 13., THREADED PIPE SHALL HAVE A CORROSION RESISTANCE RATING OF 1.0 OR GREATER. CRIMP-TYPE COUPLINGS SHALL NOT BE USED. THREADABLE THINWALL PIPE WITH CORROSION RESISTANCE RATING OF LESS THAN 1.0 SHALL BE USED ONLY WITH ROLL GROOVE FITTINGS.
21. IF REQUIRED, PROVIDE 24 VOLT AC, ELECTRIC BELL, MODEL NO. PBA24B, ELECTRIC BELL BY POTTER ELECTRIC SIGNAL OF ST. LOUIS, MISSOURI, LOCATE AS REQUIRED BY AUTHORITIES HAVING JURISDICTION. PROVIDE NEW DOUBLE POLE VANE TYPE FLOW DETECTOR, MODEL NO. VSR-F, BY POTTER ELECTRIC SIGNAL OF ST. LOUIS, MISSOURI. SET ADJUSTABLE DELAYED SIGNAL AT 30 SECONDS. MOUNT WATER FLOW INDICATORS NO HIGHER THAN 6 FEET ABOVE FINISH FLOOR.
22. ALL SPRINKLER SYSTEMS THAT ARE TO BE MODIFIED SHALL BE HYDROSTATICALLY TESTED PER NFPA 13 PRIOR TO SPRINKLER SYSTEM MODIFICATION AND SHALL BE REHYDROSTATICALLY TESTED AFTER COMPLETION OF WORK. REFERENCE HYDROSTATIC BOX NOTE FOR ADDITIONAL INFORMATION.
23. DO NOT HANG OR SUPPORT ANY LOADS OR MAKE ANY ATTACHMENTS TO THE METAL ROOF DECK OR JOIST BRIDGING.
24. SAMMY SCREWS ARE NOT PERMITTED.
25. CEILING FLANGES ARE NOT PERMITTED.
26. PROVIDE RETAINING STRAPS ON HANGERS WHERE REQUIRED.
27. CONTRACTOR IS TO COORDINATE FINAL SPRINKLER HEAD LOCATIONS AND PIPE ROUTING SUCH THAT THEY DO NOT INTERFERE WITH NOR RECEIVE DAMAGE FROM THE NORMAL OPERATIONS OF THE AREA.
28. WHERE THE DESIGN IS SHOWN TO REPLACE SPRINKLERS IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE SIZE OF THE EXISTING SPRINKLER FITTING PRIOR TO BID. WHEN THE DESIGN SHOW TO REPLACE PENDENT SPRINKLERS ON THE SALES FLOOR, THE CONTRACTOR IS RESPONSIBLE FOR REPLACING THE EXISTING REDUCING COUPLING IF THE SPRINKLER OUTLET THREAD IS LARGER THAN WHA

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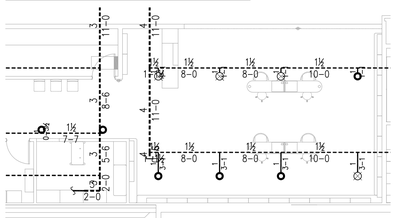
1 FIRE SPRINKLER DEMOLITION PLAN NORTH
SCALE: 1/16" = 1'
0 8' 16' 32

NOTE:
REMOVE EXISTING PENDENT SPRINKLERS AND PLUG OUTLETS AT THE BRANCHLINES. REF NEW SPRINKLER LOCATIONS AND TIE-INS 3/FP5



3 EXISTING ALCOVE FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'
0 4' 8' 16'

NOTE:
REMOVE EXISTING PENDENT SPRINKLERS AND PLUG OUTLETS AT THE BRANCHLINES. REF NEW SPRINKLER LOCATIONS AND TIE-INS 2/FP5



2 EXISTING VISION CENTER FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'
0 4' 8' 16'

brr

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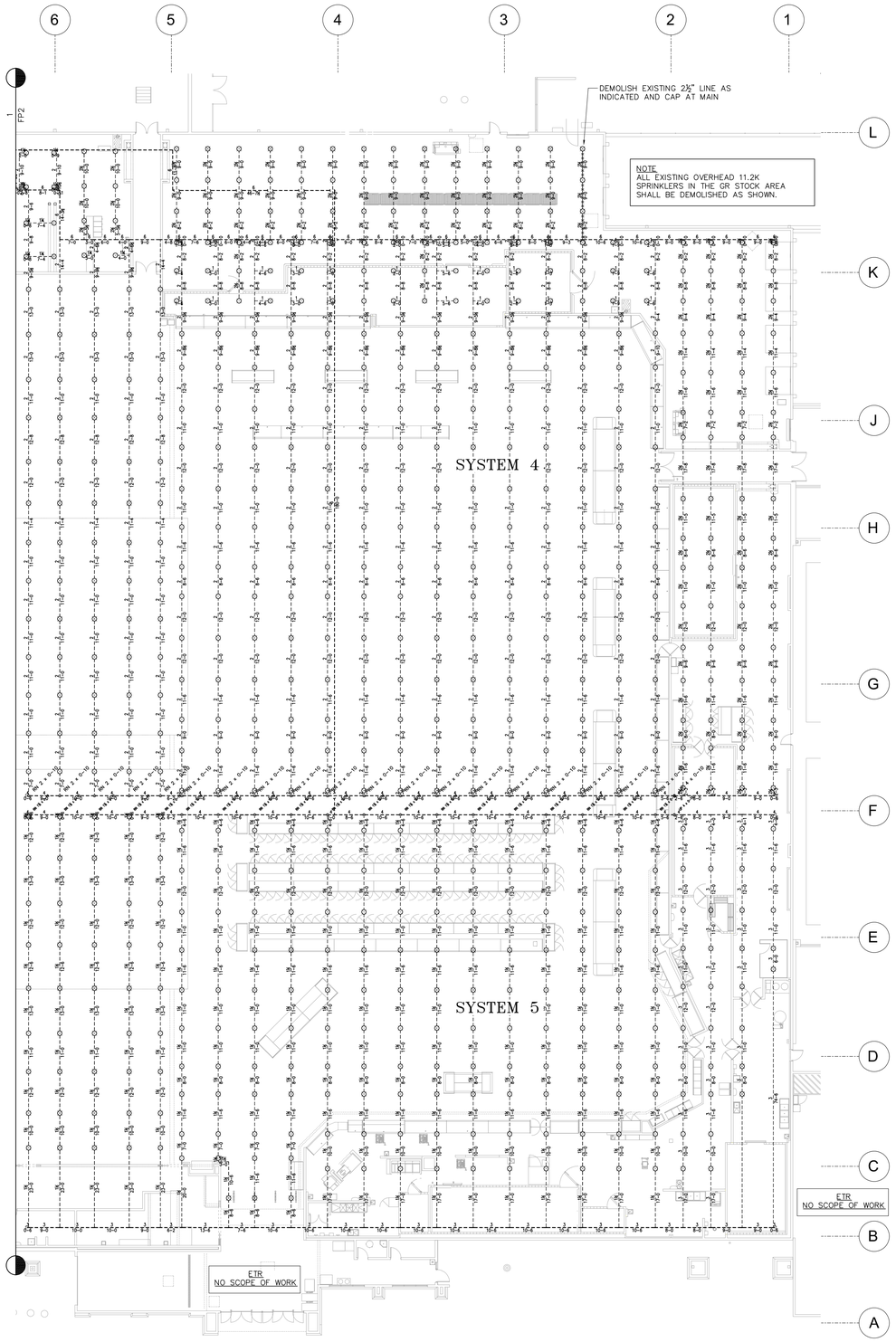
Walmart

PUYALLUP, WA
310 31ST AVE SE
STORE NO: 02403 - 254

JOB NUMBER: 95546804 | PROTO: 192

ISSUE BLOCK

PRCTI20241053



NOTE
ALL EXISTING OVERHEAD 8.0K SPRINKLERS IN THE GM SALES AREA SHALL BE DEMOLISHED AS SHOWN.

NOTE
ALL EXISTING OVERHEAD 8.0K SPRINKLERS IN THE GR SALES AREA SHALL BE DEMOLISHED AS SHOWN.

1 FIRE SPRINKLER DEMOLITION PLAN SOUTH
SCALE: 1/16" = 1'
0 8' 16 32

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JOB NUMBER: 96546804 | PROTO: 192

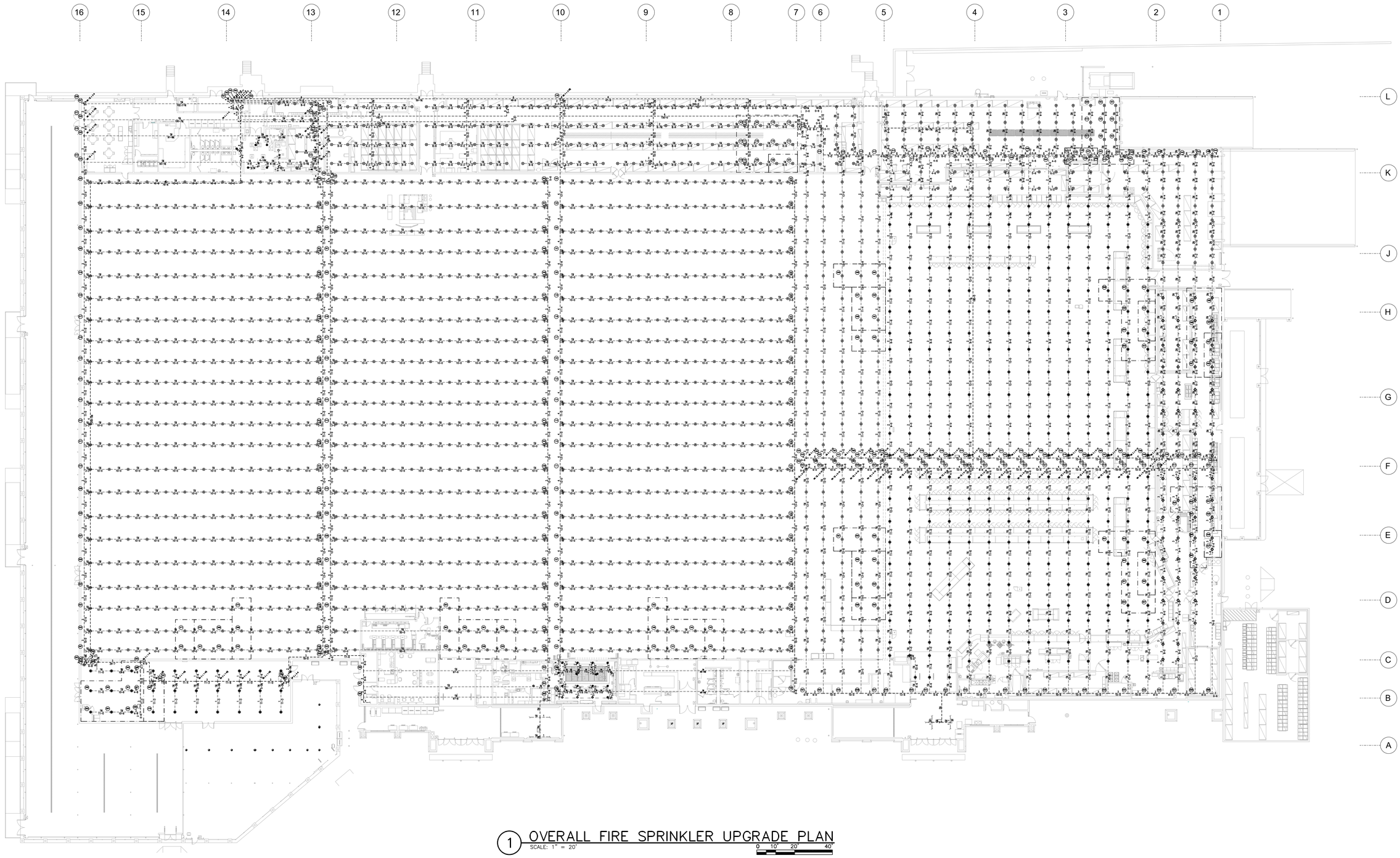
ISSUE BLOCK

PRCTI20241053

PROTECTION CRITERIA LEGEND

	OCCUPANCY CLASSIFICATION	DISCHARGE PRESSURE (# OPERATING SPRINKLERS – DESIGN AREA)	HOSE ALLOWANCE (GPM)	MAXIMUM SPRINKLER SPACING (SQ FT)	DESIGN BASIS
1)	SALES FLOOR	11 PSI (4 AS–2S/2L) 8 PSI (9 AS–4S/2L & 1S/1L)	250	140	CLASS I–IV ON SHELF TO 12'–0" (14'–0" CEILING HEIGHT), 5'–0" AISLES; UL LLC TECHNICAL REPORT PROJECT 4788122552, NC27954 – TABLE 2 SUMMARY OF TESTS, TEST 06091702
2)	SALES FLOOR & INTERIOR GARDEN CENTER	30 PSI (2 AS–2S/1L) 18 PSI (9 AS–4S/2L & 1S/1L)	250	140	CLASS I–IV ON SHELF TO 12'–0" (25'–0" CEILING HEIGHT), 5'–0" AISLES; UL LLC TECHNICAL REPORT PROJECT 4788122552, NC27954 – TABLE 2 SUMMARY OF TESTS, TESTS GONDOLA 10021702 & 10031702 / SRR 06151702
3)	STOCKROOM – GR	30 PSI (2 AS–2S/1L) 21 PSI (8 AS–4S/2L)	250	140	CLASS I–IV RACK STORAGE TO 12'–0" (25'–0" CEILING HEIGHT), 5'–0" AISLES; UL LLC TECHNICAL REPORT PROJECT 4788122552, NC27954 – TABLE 2 SUMMARY OF TESTS, TEST SRR 06151702
4)	STOCKROOM – GM/GR	12 PSI (2 AS–2S/1L) 7 PSI (12 AS–4S/3L)	250	96	CLASS I–IV RACK STORAGE TO 15'–0"/12'–0" (22'–0" CEILING HEIGHT), 4'–0"/0'–6" AISLES; UL LLC TECHNICAL REPORT PROJECT 4788122552, NC27954 – TABLE 2 SUMMARY OF TESTS, TEST SRR 04191702 / DRR 09191702 & 09261702 / MRR 09211702
5)	CORRIDORS/TENANT SPACES/GROCERY PREP/FOOD TENANT/OFFICES (MISCELLANEOUS STORAGE)	0.20/1500 SQ FT	250	130	CLASS I–IV AND GROUP A PLASTIC TO 5'–0"; NFPA 13 2019: TABLE 4.3.1.7.1 & FIGURE 19.3.3.1.1

SRR = SINGLE ROW RACK
DRR = DOUBLE ROW RACK
MRR = MULTIPLE ROW RACK



1 OVERALL FIRE SPRINKLER UPGRADE PLAN
SCALE: 1" = 20'
0 10' 20' 40'

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PRCTI20241053

WATER-BASED SYSTEMS LAYOUT
NICET CERTIFIED
NO. 322714
Level III
05/13/24

STATE OF WASHINGTON
FIRE SPRINKLER
CERTIFICATE OF COMPETENCY
FSCC–29366
EXPIRES 12–31–2024

OVERALL FIRE SPRINKLER UPGRADE PLAN

SHEET: FP4

PRCTI20241053

HYDRAULIC DESIGN	
SYSTEM #1:	AREA #1 GM SALES
SPRINKLERS CALCULATED:	9 SPRINKLERS
MINIMUM PRESSURE:	8 PSI
AREA OF DISCHARGE:	9 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR1:	453.96 GPM
DEMAND PRESSURE @ BR1:	42.123 PSI
CALC FILE:	SYS1 SALES 9

HYDRAULIC DESIGN	
SYSTEM #1:	AREA #1 GM SALES
SPRINKLERS CALCULATED:	4 SPRINKLERS
MINIMUM PRESSURE:	11 PSI
AREA OF DISCHARGE:	4 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR1:	222.93 GPM
DEMAND PRESSURE @ BR1:	29.271 PSI
CALC FILE:	SYS1 SALES 4

HYDRAULIC DESIGN	
SYSTEM #1:	AREA #2 GM STOCK
SPRINKLERS CALCULATED:	12 SPRINKLERS
MINIMUM PRESSURE:	7 PSI
AREA OF DISCHARGE:	12 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR1:	628.59 GPM
DEMAND PRESSURE @ BR1:	24.219 PSI
CALC FILE:	SYS1 STOCK 12

HYDRAULIC DESIGN	
SYSTEM #1:	AREA #2 GM STOCK
SPRINKLERS CALCULATED:	2 SPRINKLERS
MINIMUM PRESSURE:	12 PSI
AREA OF DISCHARGE:	2 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR1:	121.28 GPM
DEMAND PRESSURE @ BR1:	26.470 PSI
CALC FILE:	SYS1 STOCK 2

HYDRAULIC DESIGN	
SYSTEM #2:	AREA #3 GM SALES
SPRINKLERS CALCULATED:	9 SPRINKLERS
MINIMUM PRESSURE:	8 PSI
AREA OF DISCHARGE:	9 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR2:	453.93 GPM
DEMAND PRESSURE @ BR2:	37.398 PSI
CALC FILE:	SYS2 SALES 9

HYDRAULIC DESIGN	
SYSTEM #2:	AREA #3 GM SALES
SPRINKLERS CALCULATED:	4 SPRINKLERS
MINIMUM PRESSURE:	11 PSI
AREA OF DISCHARGE:	4 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR2:	222.89 GPM
DEMAND PRESSURE @ BR2:	28.011 PSI
CALC FILE:	SYS2 SALES 4

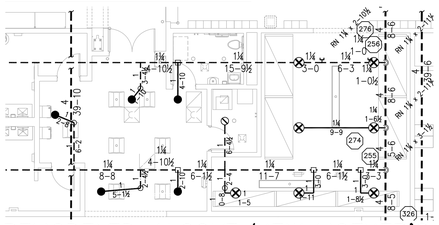
HYDRAULIC DESIGN	
SYSTEM #2:	AREA #4 SEASONAL SALES
SPRINKLERS CALCULATED:	9 SPRINKLERS
MINIMUM PRESSURE:	18 PSI
AREA OF DISCHARGE:	9 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR2:	483.09 GPM
DEMAND PRESSURE @ BR2:	54.233 PSI
CALC FILE:	SYS2 SEASONAL 9

HYDRAULIC DESIGN	
SYSTEM #2:	AREA #4 SEASONAL SALES
SPRINKLERS CALCULATED:	2 SPRINKLERS
MINIMUM PRESSURE:	30 PSI
AREA OF DISCHARGE:	2 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR2:	133.67 GPM
DEMAND PRESSURE @ BR2:	65.037 PSI
CALC FILE:	SYS2 SEASONAL 2

HYDRAULIC DESIGN	
SYSTEM #3:	AREA #5 GM SALES
SPRINKLERS CALCULATED:	9 SPRINKLERS
MINIMUM PRESSURE:	8 PSI
AREA OF DISCHARGE:	9 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR3:	452.21 GPM
DEMAND PRESSURE @ BR3:	45.463 PSI
CALC FILE:	SYS3SALES 9

HYDRAULIC DESIGN	
SYSTEM #3:	AREA #5 GM SALES
SPRINKLERS CALCULATED:	4 SPRINKLERS
MINIMUM PRESSURE:	11 PSI
AREA OF DISCHARGE:	4 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR3:	223.03 GPM
DEMAND PRESSURE @ BR3:	30.234 PSI
CALC FILE:	SYS3 SALES 4

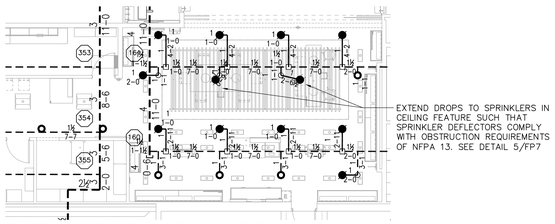
NOTE:
ALCOVE/MOTHER'S ROOM
ORDINARY HAZARD GROUP 2 – 0.20 GPM/FT² DESIGNED PER NFPA 13 2019 EDITION. INSTALL NEW SPRINKLER AS SHOWN AT THE REMODELED ALCOVE/NEW MOTHER'S ROOM PER NFPA 13 AND STATE AND LOCAL ORDINANCES. USE EACH EXISTING OUTLET FOR ONE NEW ARMOVER TO NEW SPRINKLER LOCATION UNLESS HYDRAULICALLY CALCULATED. CONTRACTOR TO INSTALL MECHANICAL TEE FOR ADDITIONAL OUTLETS REQUIRED.
REF 1/FP7 FOR HANGER DETAIL.



3 REMODELED ALCOVE/NEW MOTHER'S ROOM & STORAGE FIRE SPRINKLER PLAN

SCALE: 1/8" = 1' 0 4' 8' 16'

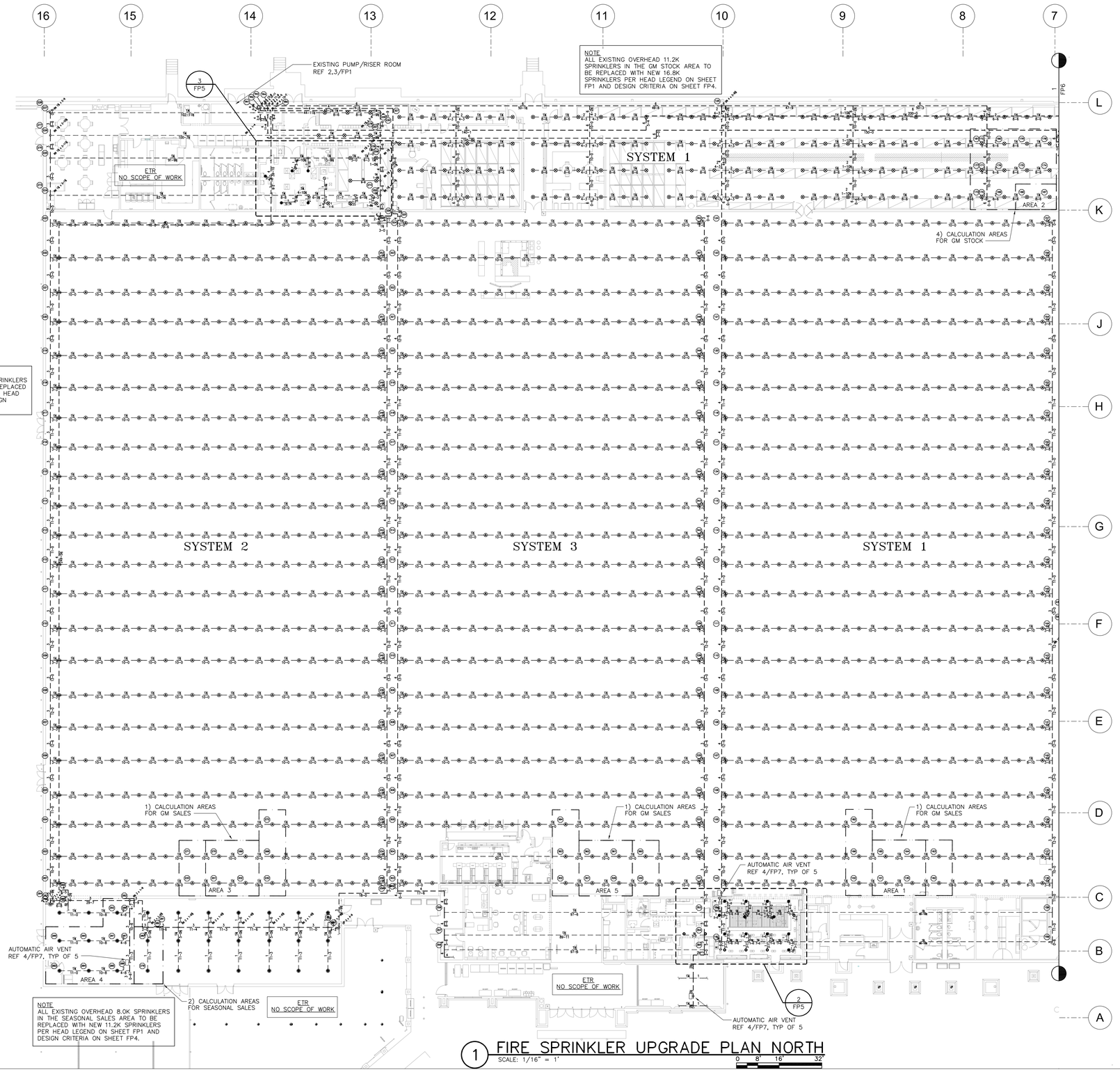
NOTE:
VISION CENTER
ORDINARY HAZARD GROUP 2 – 0.20 GPM/FT² DESIGNED PER NFPA 13 2019 EDITION. INSTALL NEW SPRINKLER AS SHOWN AT THE REMODELED VISION CENTER PER NFPA 13 AND STATE AND LOCAL ORDINANCES. USE EACH EXISTING OUTLET FOR ONE NEW ARMOVER TO NEW SPRINKLER LOCATION UNLESS HYDRAULICALLY CALCULATED. CONTRACTOR TO INSTALL MECHANICAL TEE FOR ADDITIONAL OUTLETS REQUIRED.
REF 1/FP7 FOR HANGER DETAIL.



2 REMODELED VISION CENTER FIRE SPRINKLER PLAN

SCALE: 1/8" = 1' 0 4' 8' 16'

NOTE
ALL EXISTING OVERHEAD 8.0K SPRINKLERS IN THE GM SALES AREA TO BE REPLACED WITH NEW 16.8K SPRINKLERS PER HEAD LEGEND ON SHEET FP1 AND DESIGN CRITERIA ON SHEET FP4.



1 FIRE SPRINKLER UPGRADE PLAN NORTH

SCALE: 1/16" = 1' 0 8' 16' 32'

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FSSC-29366
EXPIRES 12-31-2024

FIRE SPRINKLER UPGRADE PLAN NORTH

SHEET: FP5

PRCTI20241053

HYDRAULIC DESIGN	
SYSTEM #4:	AREA #6 GR RECEIVING
SPRINKLERS CALCULATED:	13 SPRINKLERS
MINIMUM PRESSURE:	7 PSI
AREA OF DISCHARGE:	12 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR4:	658.8 GPM
DEMAND PRESSURE @ BR4:	26.134 PSI
CALC FILE:	SYS4 GR REC 12+1

HYDRAULIC DESIGN	
SYSTEM #4:	AREA #6 GR RECEIVING
SPRINKLERS CALCULATED:	2 SPRINKLERS
MINIMUM PRESSURE:	12 PSI
AREA OF DISCHARGE:	2 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR4:	118.69 GPM
DEMAND PRESSURE @ BR4:	26.032 PSI
CALC FILE:	SYS4 GR REC 2

HYDRAULIC DESIGN	
SYSTEM #4:	AREA #7 GR STOCK
SPRINKLERS CALCULATED:	8 SPRINKLERS
MINIMUM PRESSURE:	21 PSI
AREA OF DISCHARGE:	8 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR4:	411.32 GPM
DEMAND PRESSURE @ BR4:	36.871 PSI
CALC FILE:	SYS4 GR STOCK 8

HYDRAULIC DESIGN	
SYSTEM #4:	AREA #7 GR STOCK
SPRINKLERS CALCULATED:	2 SPRINKLERS
MINIMUM PRESSURE:	30 PSI
AREA OF DISCHARGE:	2 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR4:	122.74 GPM
DEMAND PRESSURE @ BR4:	44.668 PSI
CALC FILE:	SYS4 GR STOCK 2

HYDRAULIC DESIGN	
SYSTEM #4:	AREA #8 GM SALES
SPRINKLERS CALCULATED:	9 SPRINKLERS
MINIMUM PRESSURE:	8 PSI
AREA OF DISCHARGE:	9 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR4:	439.50 GPM
DEMAND PRESSURE @ BR4:	28.530 PSI
CALC FILE:	SYS4 GM SALES 9

HYDRAULIC DESIGN	
SYSTEM #4:	AREA #8 GM SALES
SPRINKLERS CALCULATED:	2 SPRINKLERS
MINIMUM PRESSURE:	11 PSI
AREA OF DISCHARGE:	2 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR4:	223.25 GPM
DEMAND PRESSURE @ BR4:	27.589 PSI
CALC FILE:	SYS4 GM SALES 4

HYDRAULIC DESIGN	
SYSTEM #4:	AREA #9 GR SALES
SPRINKLERS CALCULATED:	9 SPRINKLERS
MINIMUM PRESSURE:	18 PSI
AREA OF DISCHARGE:	9 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR4:	435.61 GPM
DEMAND PRESSURE @ BR4:	34.727 PSI
CALC FILE:	SYS4 GR SALES 9

HYDRAULIC DESIGN	
SYSTEM #4:	AREA #9 GR SALES
SPRINKLERS CALCULATED:	2 SPRINKLERS
MINIMUM PRESSURE:	30 PSI
AREA OF DISCHARGE:	2 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR4:	122.75 GPM
DEMAND PRESSURE @ BR4:	40.062 PSI
CALC FILE:	SYS4 GR SALES 2

ADDITIONAL SPRINKLER INCLUDED IN REMOTE AREA PER NFPA 13 SECTION 24.1.8.2

HYDRAULIC DESIGN	
SYSTEM #5:	AREA #10 GR STOCK
SPRINKLERS CALCULATED:	9 SPRINKLERS
MINIMUM PRESSURE:	21 PSI
AREA OF DISCHARGE:	8 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR5:	463.71 GPM
DEMAND PRESSURE @ BR5:	42.836 PSI
CALC FILE:	SYS5 GR STOCK 8+1

HYDRAULIC DESIGN	
SYSTEM #5:	AREA #10 GR STOCK
SPRINKLERS CALCULATED:	2 SPRINKLERS
MINIMUM PRESSURE:	30 PSI
AREA OF DISCHARGE:	2 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR5:	122.72 GPM
DEMAND PRESSURE @ BR5:	44.858 PSI
CALC FILE:	SYS5 GR STOCK 2

HYDRAULIC DESIGN	
SYSTEM #5:	AREA #11 GM SALES
SPRINKLERS CALCULATED:	9 SPRINKLERS
MINIMUM PRESSURE:	8 PSI
AREA OF DISCHARGE:	9 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR5:	453.09 GPM
DEMAND PRESSURE @ BR5:	41.073 PSI
CALC FILE:	SYS5 GM SALES 9

HYDRAULIC DESIGN	
SYSTEM #5:	AREA #11 GM SALES
SPRINKLERS CALCULATED:	4 SPRINKLERS
MINIMUM PRESSURE:	11 PSI
AREA OF DISCHARGE:	4 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR5:	223.31 GPM
DEMAND PRESSURE @ BR5:	33.325 PSI
CALC FILE:	SYS5 GM SALES 4

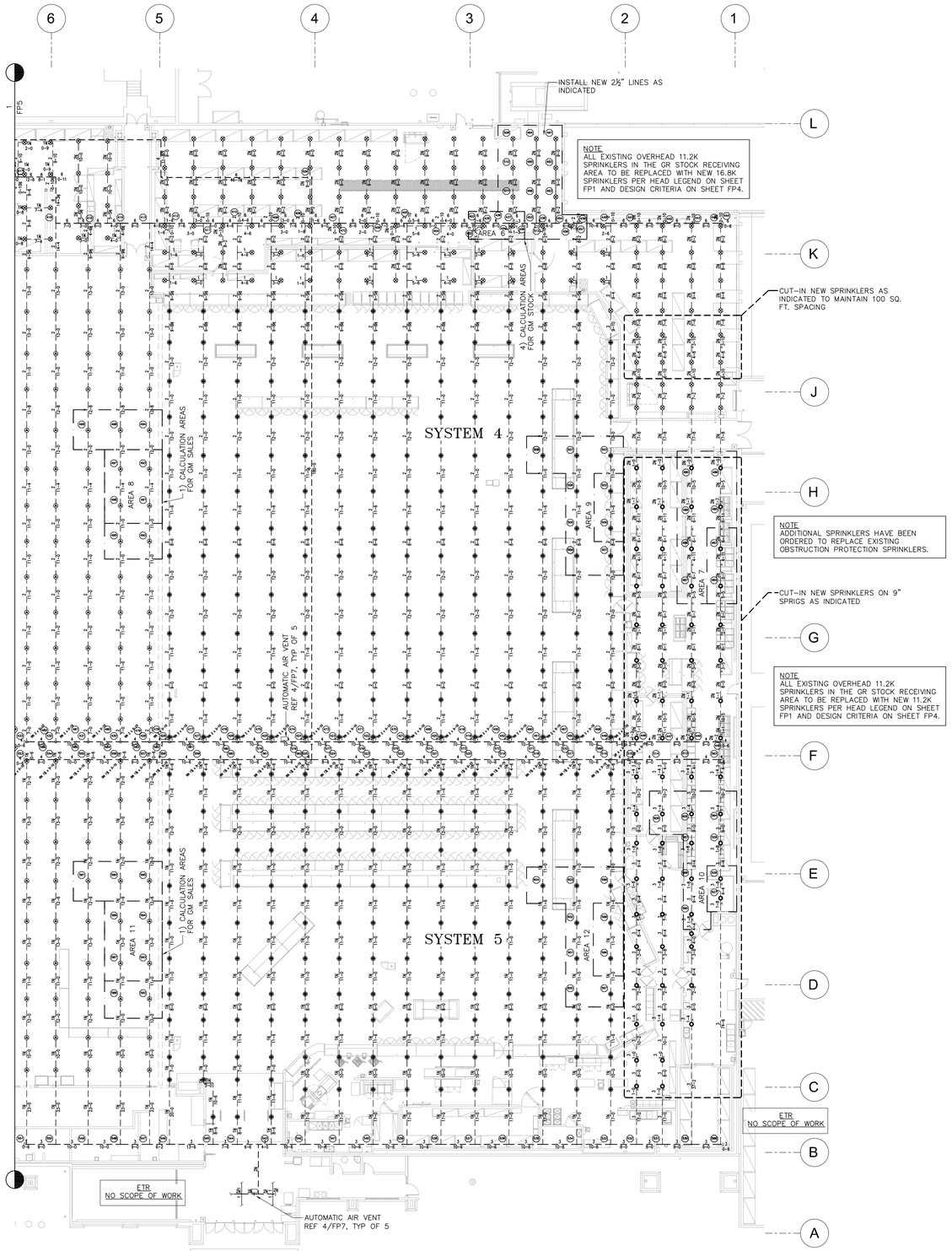
HYDRAULIC DESIGN	
SYSTEM #5:	AREA #12 GR SALES
SPRINKLERS CALCULATED:	9 SPRINKLERS
MINIMUM PRESSURE:	18 PSI
AREA OF DISCHARGE:	9 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR5:	446.01 GPM
DEMAND PRESSURE @ BR5:	46.946 PSI
CALC FILE:	SYS5 GR SALES 9

HYDRAULIC DESIGN	
SYSTEM #5:	AREA #12 GR SALES
SPRINKLERS CALCULATED:	2 SPRINKLERS
MINIMUM PRESSURE:	30 PSI
AREA OF DISCHARGE:	2 SPRINKLERS
HOSE ALLOWANCE	250 GPM
SPRINKLER SYSTEM DEMAND @ BR5:	122.75 GPM
DEMAND PRESSURE @ BR5:	45.222 PSI
CALC FILE:	SYS5 GR SALES 2

ADDITIONAL SPRINKLER INCLUDED IN REMOTE AREA PER NFPA 13 SECTION 24.1.8.2

NOTE
ALL EXISTING OVERHEAD 8.0K SPRINKLERS IN THE GM SALES AREA TO BE REPLACED WITH NEW 16.8K SPRINKLERS PER HEAD LEGEND ON SHEET FP1 AND DESIGN CRITERIA ON SHEET FP4.

NOTE
ALL EXISTING OVERHEAD 8.0K SPRINKLERS IN THE GR SALES AREA TO BE REPLACED WITH NEW 11.2K SPRINKLERS PER HEAD LEGEND ON SHEET FP1 AND DESIGN CRITERIA ON SHEET FP4.



1 FIRE SPRINKLER UPGRADE PLAN SOUTH
SCALE: 1/16" = 1'
0 8" 16" 32"

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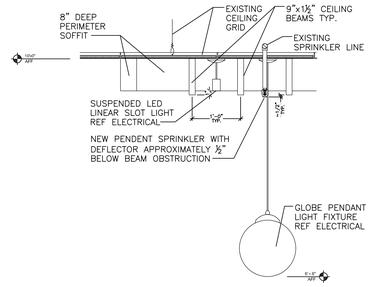
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05/13/24

STATE OF WASHINGTON
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CERTIFICATE OF COMPETENCY
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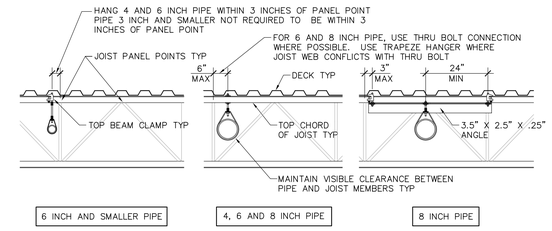
FIRE SPRINKLER UPGRADE PLAN SOUTH

SHEET: FP6

PRCTI20241053

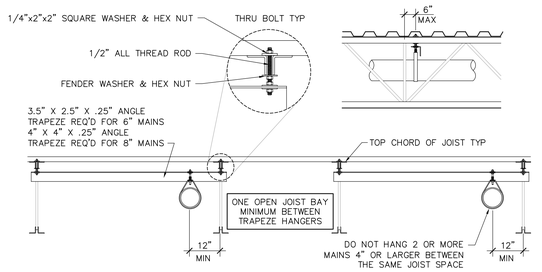


5 VISION CENTER CEILING FEATURE DETAIL
NOT TO SCALE



MAXIMUM HANGER SPACING FOR PIPING PERPENDICULAR TO JOISTS		
BEAM CLAMP NOT TRAPEZED	THRU-BOLT NOT TRAPEZED	BEAM CLAMP TRAPEZED
4" PIPE EVERY 12'-0" EVERY OTHER JOIST 6" PIPE EVERY 6'-0" EVERY JOIST 8" PIPE NOT ALLOWED	4" PIPE EVERY 12'-0" EVERY OTHER JOIST 6" PIPE EVERY 12'-0" EVERY OTHER JOIST 8" PIPE EVERY 6'-0" EVERY JOIST	4" PIPE NOT NECESSARY 6" PIPE NOT NECESSARY 8" PIPE EVERY 6'-0" EVERY JOIST

PIPE RUNNING PERPENDICULAR TO JOISTS



MAXIMUM HANGER SPACING FOR PIPES PARALLEL TO JOISTS		
4" PIPE EVERY 12'-0" NOT TRAPEZED BEAM CLAMP	6" PIPE EVERY 12'-0" TRAPEZED THRU BOLT	8" PIPE EVERY 12'-0" TRAPEZED THRU BOLT

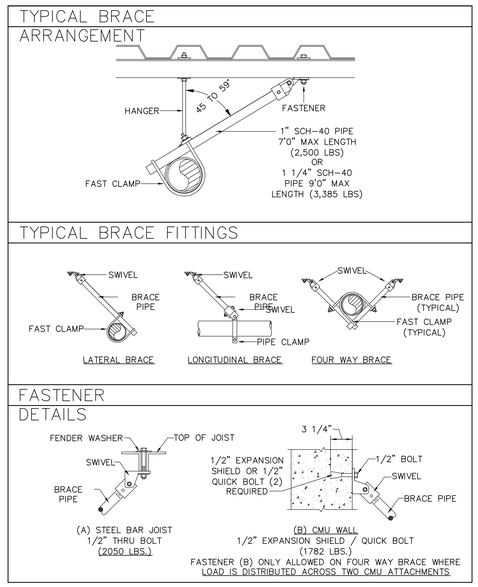
PIPE RUNNING PARALLEL TO JOIST

CONTRACTOR MAY SUBSTITUTE ANGLE IRON TRAPEZE MEMBER WITH PIPE MEMBER. SIZE PIPE MEMBER IN ACCORDANCE WITH NFPA-13 AND MAINTAIN 12 INCH MAXIMUM DEFLECTOR DISTANCE

UTILIZE THESE HANGING METHODS FOR ALL SPRINKLER PIPING. SPACE TRAPEZE HANGERS IN ACCORDANCE WITH SCHEDULE. LOCATE HANGERS WITHIN 3 INCHES OF JOIST PANEL POINTS U.N.O.

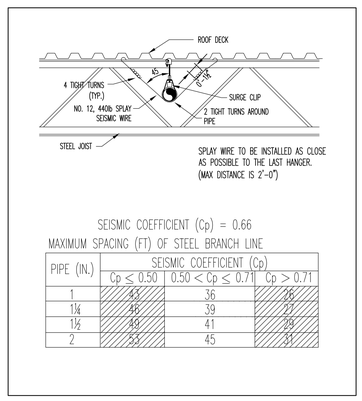
NOTE: DO NOT SUPPORT SPRINKLER PIPING FROM BOTTOM CHORD OF BAR JOISTS

1 PIPE SUPPORT
NTS 10.30.07 F02-1



NOTE: RETAINING STRAP REQUIRED FOR BEAM CLAMPS

2 SEISMIC BRACING
NTS 10.30.07 F02-2

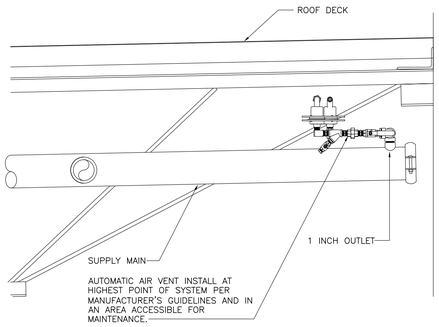


SEISMIC COEFFICIENT (Cp) = 0.66

MAXIMUM SPACING (FT) OF STEEL BRANCH LINE

PIPE (IN.)	SEISMIC COEFFICIENT (Cp)		
	Cp ≤ 0.50	0.50 < Cp ≤ 0.71	Cp > 0.71
1	47	36	26
1¼	50	39	27
1½	53	41	29
2	57	45	31

3 BRANCHLINE RESTRAINT
NTS



4 AIR RELEASE VALVE DETAIL
NOT TO SCALE

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05/13/24

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FIRE SPRINKLER
CERTIFICATE OF COMPETENCY
FSCC-29366
EXPIRES 12-31-2024

FIRE SPRINKLER DETAILS

SHEET: FP7

PRCTI20241053

KEYNOTES

15.406 MAKE ALL NECESSARY DISCONNECTS AND RECONNECTS OF PLUMBING FIXTURES BEING RELOCATED OR NEW. PROVIDE CONTINUOUS SEALANT ALONG THE EDGES OF RECONNECTED FIXTURES.

15.425 REMOVE CONCRETE CLOSE TO RIM OF EXISTING FLOOR CLEANOUT. CONTRACTOR SHALL BID TO ADJUST TOP OF FLOOR CLEANOUT FLUSH WITH FINISHED FLOOR. IF FLOOR CLEANOUT CANNOT BE ADJUSTED FLUSH WITH FINISHED FLOOR, REPLACE EXISTING FLOOR CLEANOUT WITH NEW FCO1 AND SUBMIT CHANGE ORDER FOR WORK DIFFERENCE.

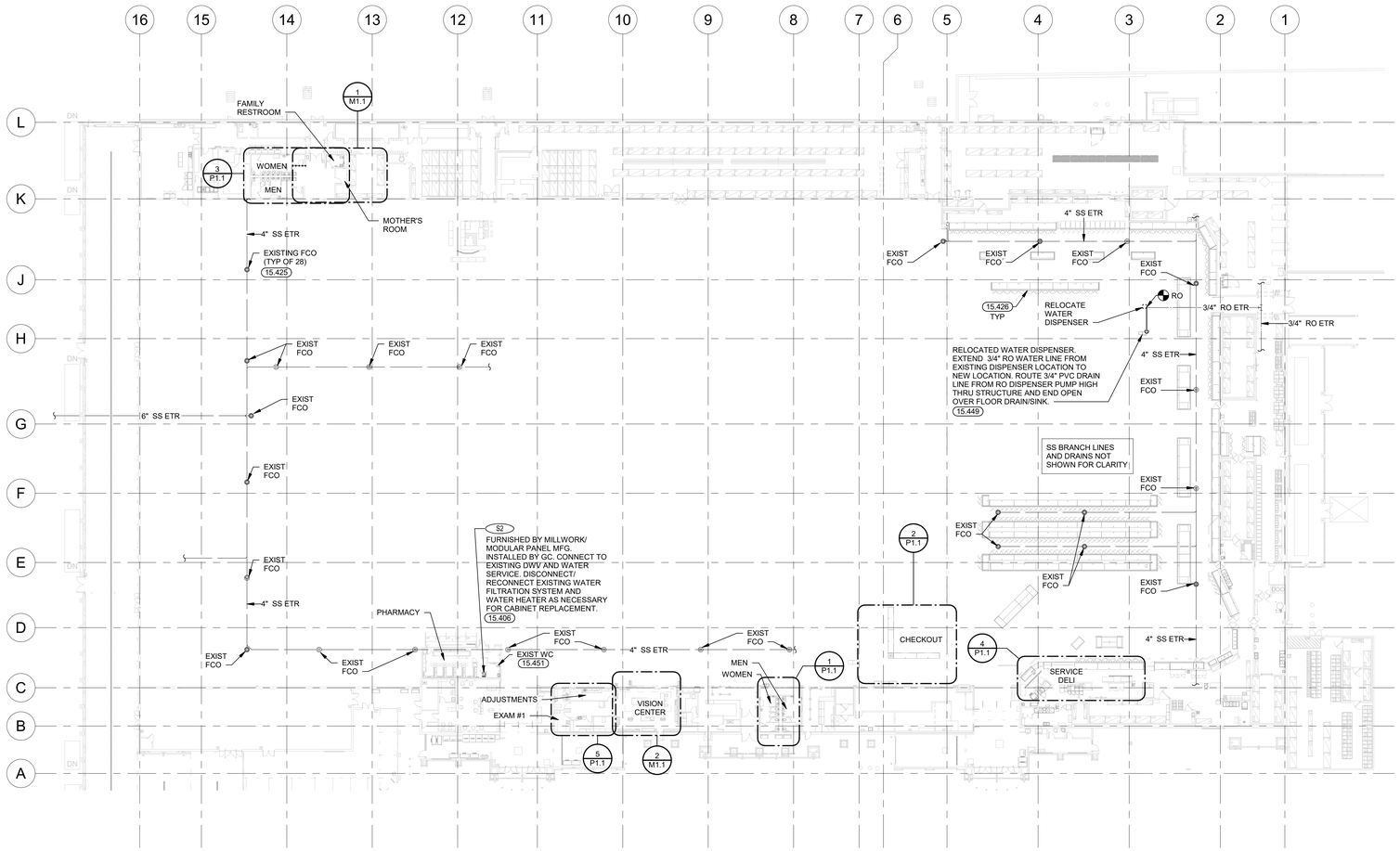
15.426 WHERE NEW REFRIGERATED CASES ARE REPLACING EXISTING CASES AT SAME LOCATION, EXISTING FLOOR DRAINS MAY BE REUSED IF EXISTING DRAIN IS IN A REUSABLE LOCATION (VERIFY IN FIELD).

15.449 RO VENDOR SHALL BE RESPONSIBLE FOR LOCATIONS OF DRINK DISPENSER AND ALL FINAL CONNECTIONS.

15.451 MAKE NECESSARY DISCONNECTS AND RECONNECTS OF PLUMBING FIXTURES FOR FINISHES WORK. PROVIDE CONTINUOUS SEALANT ALONG THE EDGES OF RECONNECTED FIXTURES. REPLACE URINAL AND WATER CLOSET FLUSH VALVES ONLY IF DAMAGED.

GENERAL NOTES

1. GENERAL NOTES ARE APPLICABLE TO ALL MECHANICAL AND PLUMBING DRAWINGS.
2. PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS AND READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES AND MANUFACTURERS RECOMMENDATIONS.
3. STORE MUST BE KEPT IN OPERATION ARRANGE ALL WORK TO KEEP DISRUPTIONS TO STORE OPERATIONS TO A MINIMUM. COORDINATE WITH EXISTING AND NEW CONSTRUCTION. PAY ALL NECESSARY FEES AND PERMITS.
4. IF NEW CONSTRUCTION DISRUPTS EXISTING UNDERGROUND SERVICES (GAS, SEWER, DOMESTIC WATER, FIRE SPRINKLER, ETC.), PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO MAINTAIN THEIR PROPER OPERATION.
5. CONTRACTOR IS RESPONSIBLE FOR UTILIZING OWNER APPROVED ROOFING CONTRACTORS FOR CUTTING AND PATCHING ROOF.
6. INSTALL VTR'S A MINIMUM OF 24" AND FLUES A MINIMUM OF 36" FROM ROOF EDGE AND/OR PARAPET WALLS. INSTALL VTR'S, FLUES AND EXHAUST FANS A MINIMUM OF 10 FT FROM OUTSIDE AIR INTAKE OF ROOF TOP UNITS. INSTALL EXHAUST FANS AND ROOF TOP UNITS A MINIMUM OF 10 FT FROM ROOF EDGE OR A MINIMUM OF 60" FROM PARAPET WALLS THAT ARE AT LEAST 42" HIGH.
7. COORDINATE LOCATION OF DUCTWORK AND DIFFUSERS WITH LIGHT FIXTURES TO PREVENT EXCESSIVE SHADOWING OF THE SALES OR STOCK FLOORS. LIGHT FIXTURE LOCATIONS TAKE PRECEDENCE. FIELD VERIFY STRUCTURAL CONDITIONS BEFORE FABRICATION OF DUCTWORK.
8. FLEXIBLE DUCT CONNECTIONS TO NEW OR RELOCATED DIFFUSERS AND GRILLES ARE PROHIBITED. INSPECT CONDITION OF EXISTING DUCT AND REPLACE DAMAGED DUCT WITH EQUIVALENT TYPE OF DUCT AS REQUIRED.
9. DUCT SIZES SHOWN ON DRAWINGS ARE NET FREE AREA. CONTRACTOR'S OPTION, ROUND DUCTWORK OF EQUIVALENT FREE AREA MAY BE USED IN LIEU OF RECTANGULAR. INCREASE RECTANGULAR SHEET METAL SIZE AS REQUIRED FOR LINER. REFER TO SPECIFICATIONS FOR THE INSULATION THICKNESS.
10. DUCT SUPPORT AND GRILLE DETAIL IS APPLICABLE THROUGHOUT THE STORE. DO NOT USE FASTENERS THAT PENETRATE ROOF DECK.
11. TYPICAL BRANCH DUCT FITTING DETAIL IS APPLICABLE THROUGHOUT THE STORE.
12. EXISTING PIPE SIZES AND LOCATIONS HAVE NOT BEEN FIELD VERIFIED. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATION AND SIZES OF ALL EXISTING PIPING THAT IS BEING CONNECTED TO OR MODIFIED, AND TO VERIFY THAT PROPER SLOPES AND ELEVATIONS ARE AVAILABLE. MAINTAIN MINIMUM SLOPE OF 1/8" PER FOOT FOR SAN SEWER PIPING 4" OR LARGER. MAINTAIN MINIMUM SLOPE OF 1/4" PER FOOT FOR SAN SEWER PIPING SMALLER THAN 4". REF ARCH. FOR TRENCHING REQUIREMENTS.
13. PLUMBING CONTRACTOR SHALL VERIFY EXISTING SEWER AND VENT PIPE SIZE AND ELEVATION AND SHALL VERIFY THAT PROPER SLOPES ARE AVAILABLE BEFORE CUTTING FLOOR SLAB FOR NEW SEWER PIPING.
14. PROVIDE ACCESS DOORS TO NEW WATER VALVES AND CLEANOUTS AS NECESSARY WHEN INSTALLED IN INACCESSIBLE AREAS.
15. PLUMBING CONTRACTOR SHALL PROVIDE ONE YEAR WARRANTY FOR PROPER SEWER SYSTEM OPERATION.
16. SANITARY DRAINAGE LINES AND FITTINGS (DRAIN, WASTE AND VENT) SHALL BE CAST IRON, COATED INSIDE AND OUTSIDE. WHERE PERMITTED BY LOCAL CODES, PVC-DWV PLASTIC SCHEDULE 40 MAY BE USED IN LIEU OF CAST IRON. ALL PHOTOLAB PLUMBING SHALL BE PVC.
17. WATER PIPING ABOVE GRADE SHALL BE TYPE "L" HARD DRAWN COPPER JOINED WITH WROUGHT COPPER FITTINGS. MAKE JOINTS USING LEAD-FREE SOLDER AND A NON-CORROSIVE, PASTE-TYPE FLUX. MAKE PIPING CONNECTIONS TO A FIXTURE WITH CHROME-PLATED SEAMLESS BRASS TUBE. INSULATE HOT & COLD WATER PIPING WITH RIGID GLASS FIBER A MINIMUM OF 1/2" THICK WITH WHITE ALL-SERVICE JACKET (VAPOR RETARDER).
18. PROVIDE AUTOMATIC TRAP PRIMERS ON FLOOR DRAINS IF REQUIRED BY LOCAL PLUMBING CODES.
19. ALL FLOOR CLEANOUTS SHALL BE INSTALLED FLUSH WITH FLOOR FINISH MATERIAL OR FLUSH WITH CONCRETE SLAB IF NO FLOOR FINISH MATERIAL IS CALLED OUT FOR ON ARCHITECTURAL DRAWINGS.
20. LOCATE ALL FLOOR CLEAN-OUTS OUT OF TRAFFIC WAYS, WHILE MAINTAINING ACCESSIBILITY. LOCATE PER DIMENSIONS IF SHOWN ON PLANS.
21. FLOOR CUTS SHALL BE STRAIGHT AND CLEAN, REPLACE REMOVED SLAB WITH CONCRETE FLUSH AND SMOOTH WITH ADJACENT FLOOR SLAB. REFERENCE ARCHITECTURAL SHEETS. COORDINATE WITH GENERAL CONTRACTOR.
22. CAP ALL PIPING OPENINGS DURING CONSTRUCTION UNTIL FINAL CONNECTIONS TO EQUIPMENT AND ACCESSORIES ARE MADE.
23. CUT AND PATCH EXISTING CONCRETE FLOOR SLAB FOR INSTALLATION OF NEW UNDERGROUND PLUMBING PIPE. MATCH EXISTING CONSTRUCTION.
24. DO NOT INSTALL PIPING WITHIN COOLER PANELS. INSTALL EXPOSED PIPING IN PREP AREAS A MINIMUM OF 1" FROM PANEL WALL AND 6" ABOVE FINISHED FLOOR TO ALLOW FOR CLEANING. USE ONLY NON-CORROSIVE MATERIALS FOR SPACERS AND ANCHORS.
25. PROVIDE ESCUTCHEON PLATES FOR PLUMBING PENETRATIONS THROUGH GROCERY CEILINGS AND WALLS.
26. PROVIDE AIR TIGHT SEAL AROUND PIPING PENETRATIONS THROUGH COOLER/FREEZER WALLS AND CEILINGS. FINISH WITH ESCUTCHEON PLATE.
27. PROVIDE HEAT TAPE AND INSULATION ON ALL WATER AND DRAIN PIPING EXPOSED TO FREEZING.
28. INSTALL CONTINUOUS SEALANT JOINT AT ALL EXTERIOR WALL PENETRATIONS.
29. AT CONTRACTOR'S OPTION (U.N.O), IN LIEU OF COPPER WATER PIPING, PEX OR AQUATHERM PIPING MAY BE USED. REFER TO EQUIVALENT NOMINAL PIPE SIZES SCHEDULE AND SPECIFICATIONS.
30. PROVIDE SEISMIC BRACING BASED ON APPROPRIATE SEISMIC ZONE REQUIREMENTS PER SMACNA PUBLISHED SEISMIC DETAILS, LOCAL AND NATIONAL CODES. CONTRACTOR'S RESPONSIBILITY INCLUDES STRUCTURAL ENGINEER'S CERTIFICATION ON DETAILS SUBMITTED FOR PERMITTING.
31. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.



1 MECHANICAL AND PLUMBING PLAN
1" = 30'-0"

AHJ NOTES:

EACH PLUMBING FIXTURE TRAP, EXCEPT AS OTHERWISE PROVIDED IN THIS CODE, SHALL BE PROTECTED AGAINST SIPHONAGE AND BACKPRESSURE, AND AIR CIRCULATION SHALL BE ENSURED THROUGHOUT ALL PARTS OF THE DRAINAGE SYSTEMS BY MEANS OF VENT PIPES INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS CHAPTER AND AS OTHERWISE REQUIRED BY THIS CODE.

PLUMBING FIXTURES SHALL BE INSTALLED IN A MANNER TO AFFORD EASY ACCESS FOR REPAIRS AND CLEANING. PIPES FROM FIXTURES SHALL BE RUN TO THE NEAREST WALL.

WHERE A FIXTURE COMES IN CONTACT WITH THE WALL OR FLOOR, THE JOINT BETWEEN THE FIXTURE AND THE WALL OR FLOOR SHALL BE MADE WATERTIGHT.

WATER HAMMER ARRESTERS SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO QUICK-ACTING VALVES OR, WHERE LISTED MECHANICAL DEVICES ARE USED, FOLLOW THE MANUFACTURER'S SPECIFICATIONS AS TO LOCATION AND METHOD OF INSTALLATION.

PROVIDE CROSS CONNECTION IN ACCORDANCE WITH THE 2021 UNIFORM PLUMBING CODE W/ WASHINGTON STATE AMENDMENTS FOR ALL APPLICABLE WATER CONNECTIONS.

FIXTURES SHALL BE SET LEVEL AND IN PROPER ALIGNMENT WITH REFERENCE TO ADJACENT WALLS. NO WATER CLOSET OR BIDET SHALL BE SET CLOSER THAN 15 INCHES FROM ITS CENTER TO A SIDE WALL OR OBSTRUCTION, OR CLOSER THAN 30 INCHES CENTER TO CENTER TO A SIMILAR FIXTURE. THE CLEAR SPACE IN FRONT OF A WATER CLOSET, LAVATORY, OR BIDET SHALL BE NOT LESS THAN 24 INCHES. NO URINAL SHALL BE SET CLOSER THAN 12 INCHES FROM ITS CENTER TO A SIDE WALL OR PARTITION OR CLOSER THAN 24 INCHES CENTER TO CENTER.

ALL EXISTING PLUMBING AND VENTILATION LINES AT REMOVED FIXTURES MUST BE PROPERLY CAPPED OR RE-ROUTED. SCHEDULE INSPECTIONS PRIOR TO COVERING OR CONCEALING.

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS. A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

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MECHANICAL AND PLUMBING PLAN

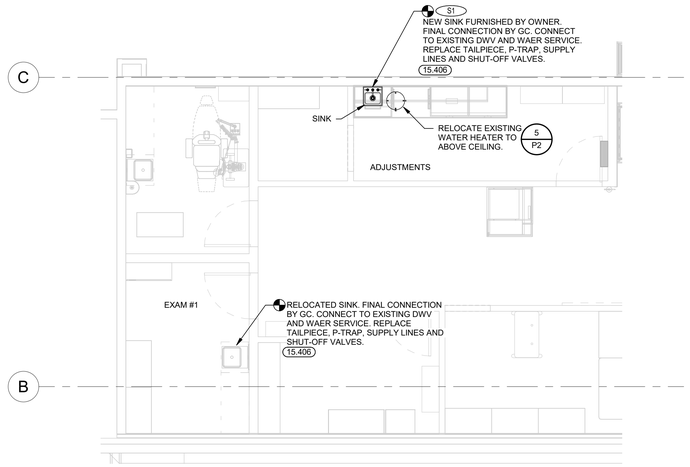
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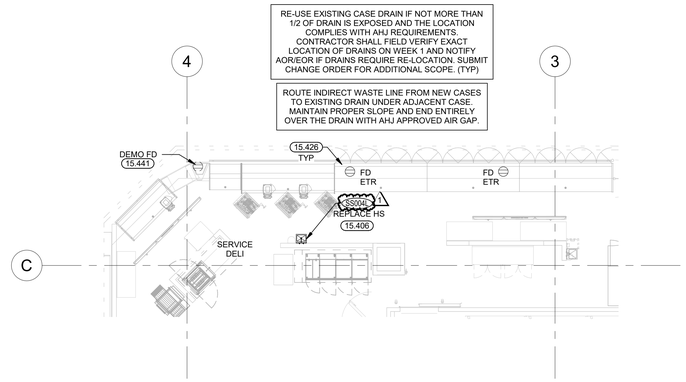
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KEYNOTES

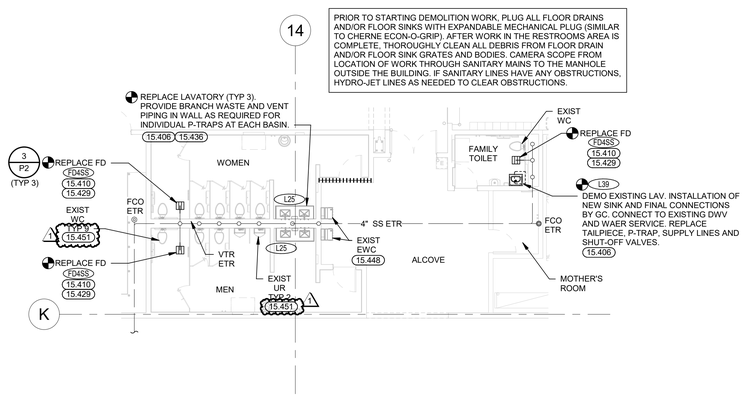
15.403	CONNECT TO EXISTING SANITARY PIPE OF EQUAL OR LARGER SIZE. VERIFY SIZE, LOCATION, ELEVATION, AND FLOW DIRECTION AT SITE.
15.404	CONNECT TO EXISTING VENT PIPE OF EQUAL OR LARGER SIZE. VERIFY SIZE AND LOCATION AT SITE.
15.406	MAKE ALL NECESSARY DISCONNECTS AND RECONNECTS OF PLUMBING FIXTURES BEING RELOCATED OR NEW. PROVIDE CONTINUOUS SEALANT ALONG THE EDGES OF RECONNECTED FIXTURES.
15.410	PROVIDE BARRIER-TYPE TRAP SEAL PROTECTION. IF REQUIRED BY AHJ, USE TRAP PRIMER IN LIEU OF BARRIER-TYPE TRAP SEAL PROTECTION.
15.426	WHERE NEW REFRIGERATED CASES ARE REPLACING EXISTING CASES AT SAME LOCATION, EXISTING FLOOR DRAINS MAY BE REUSED IF EXISTING DRAIN IS IN A REUSABLE LOCATION (VERIFY IN FIELD).
15.429	CUT AND PATCH EXISTING CONCRETE FLOOR SLAB FOR INSTALLATION OF NEW UNDERGROUND PLUMBING PIPE. MATCH EXISTING CONSTRUCTION AND FINISHES.
15.436	REPLACE SINK AND ASSOCIATED TRIM, INCLUDING THE FAUCET, TAILPIECE, P-TRAP, SUPPLY LINES, AND SHUT-OFF VALVES.
15.441	REMOVE EXISTING FLOOR DRAIN GRATE, INSTALL TEST PLUG IN DRAIN, AND REPLACE GRATE WITH SOLID COVER.
15.442	TRENCHING AND BACKFILL BY GC, REF ARCH PLANS. COORDINATE WITH GC FOR INSTALLATION SCHEDULE.
15.448	MAKE NECESSARY DISCONNECTS AND RECONNECTS OF PLUMBING FIXTURES FOR RESET AND/OR OR FINISHES WORK. PROVIDE CONTINUOUS SEALANT ALONG THE EDGES OF RECONNECTED FIXTURES.
15.451	MAKE NECESSARY DISCONNECTS AND RECONNECTS OF PLUMBING FIXTURES FOR FINISHES WORK. PROVIDE CONTINUOUS SEALANT ALONG THE EDGES OF RECONNECTED FIXTURES. REPLACE URINAL AND WATER CLOSET FLUSH VALVES ONLY IF DAMAGED.



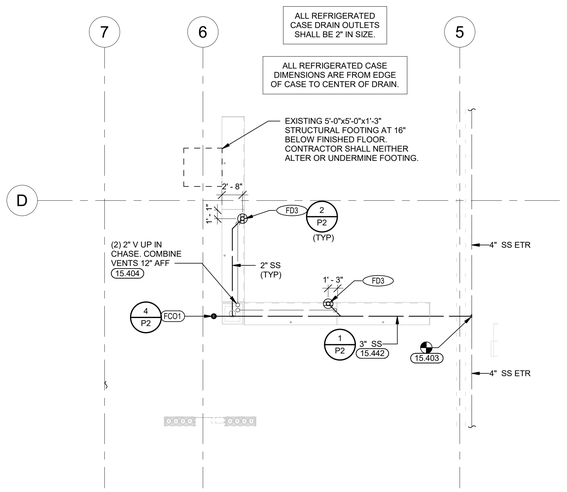
5 ADJUSTMENTS PLUMBING PLAN
1/4" = 1'-0"



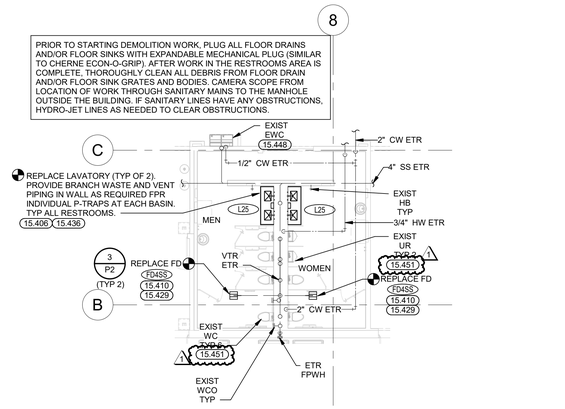
4 FRONT GROCERY DELI PLUMBING PLAN
1/8" = 1'-0"



3 REAR RESTROOM PLUMBING PLAN
1/8" = 1'-0"



2 ENLARGED CHECKOUT PLUMBING PLAN
1/8" = 1'-0"



1 FRONT RESTROOM PLUMBING PLAN
1/8" = 1'-0"

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ENLARGED PLUMBING PLANS

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FLOOR DRAIN SCHEDULE

ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. REFER TO SPECIFICATIONS.

MARK	MANUFACTURER	MODEL	DESCRIPTION
FD3	SIOUX CHIEF JOSAM	860 FD-370	LIGHT DUTY PVC WITH 9" DIAMETER LOOSE SET PVC HALF GRATE
FD4SS	JOSAM ZURN	3090-S-SS ZS415-3NH-6S-P	STAINLESS STEEL FLOOR DRAIN, 6" X 6" SQUARE TOP, SECURED GRATE

CLEANOUT SCHEDULE

ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. REFER TO SPECIFICATIONS.

MARK	MANUFACTURER	MODEL	DESCRIPTION
FCO1	ZURN SIOUX CHIEF MIFAB JAY R. SMITH JOSAM WATTS OATEY	Z1400 852 C1100 4231 55000 CO-200-RX-4 74000	CAST IRON OR PVC BODY, ROUND EXTRA HEAVY-DUTY CAST OR DUCTILE IRON TOP, POLYPROPYLENE OR ABS PLUG, ADJUSTABLE TO FINISH SURFACE.

GENERAL INFORMATION (AS APPLICABLE):
1. REFER TO PLANS FOR DRAIN OUTLET SIZE.
2. LOAD CLASSIFICATIONS: LIGHT DUTY <2000 LBS, MEDIUM DUTY 2000 TO 4999 LBS, HEAVY DUTY 5000 TO 7499 LBS, EXTRA HEAVY DUTY 7500 TO 9999 LBS.

TOILET PLUMBING FIXTURE SCHEDULE

ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. REFER TO SPECIFICATIONS.

MARK	FIXTURE	BRANCH SIZES (MIN) CW	HW	WASTE	VENT	MANUFACTURER	MODEL	TRIM AND ACCESSORIES	NOTES
L25	LAVATORY DECK 2-STATION	1/2"	1/2"	1 1/2"	1 1/2"	VERONA REMBRANDT	SMQ0046-2S RSM-UM7200-60"-00-SB	VERONA: WALL MOUNTED, ONE-PIECE QUARTZIA DECK (BIANCO SAND) REMBRANDT: WALL MOUNTED, ONE-PIECE QUARTZ DECK (SNOW BLIND) BOWL: CHINA SHELL CH-6360 UNDERMOUNT 18"x13" CHINA BOWL(S) VERONA BASE: ACORN EN1121A0-002 ENVIRO-GLAZED WHITE ENCLOSURE. REMBRANDT BASE: METZFAB MET-PRT-420-000 WHITE ENCLOSURE. FAUCET: TOTO T2SS51ERCP - 0.5 GPM SENSOR OPERATED SELF-GENERATING POWER SYSTEM. CHROME PLATED BRASS P-TRAP WITH CLEANOUT, GRID STRAINER WITH TAILPIECE. CONNECTION ACCESSORIES: (2) STOP VALVES PER DECK, THERMOSTATIC MIXING VALVE KIT (TMV, HOSES & FITTINGS) SET TMV TO 105°F. TMV: ZURN ZW1070XL	E
L39	LAVATORY (ADA)	1/2"	1/2"	1 1/2"	1 1/2"	AMERICAN STANDARD	0321.075	FAUCET: TOTO TEL3LS-10 - 0.5 GPM SENSOR OPERATED SELF- GENERATING POWER SYSTEM, STANDARD SPOUT, 4" COVER PLATE, GRID STRAINER WITH TAILPIECE, P-TRAP WITH CLEANOUT, STOP VALVES, SS BRAIDED WATER SUPPLIES AND ESCUTCHEONS. CARRIER: JOSAM 17100, WADE W-520. LAVATORY ENCLOSURE: TRUEBRO LAV-SHIELD 2018. L39 ASSE 1070 THERMOSTATIC MIXING VALVE: ZURN ZW3870XLT SET TO 105°F.	A

GENERAL INFORMATION (ALL FIXTURES):
1. SUBSTITUTIONS NOT PERMITTED. REF SPECIFICATIONS FOR APPROVED MANUFACTURERS OF THE FOLLOWING TRIM AND ACCESSORIES:
   -P-TRAP WITH CLEANOUT PLUG: POLISHED CHROME-PLATED TUBULAR BRASS, 17 GAUGE WITH BRASS NUTS AND SLIP INSERTS.
   -SS BRAIDED WATER SUPPLY: FLEXIBLE BRAIDED STAINLESS STEEL (SS) OUTER SHEATHING WITH REINFORCED PVC INNER TUBING.
   -STOP VALVES: CHROME PLATED BRASS, QUARTER TURN ANGLE STOP VALVES.

NOTES:
A. FURNISH WITH 1/2" X 3 3/4" STAINLESS STEEL SIMPSON WEDGE-ALL WEDGE ANCHORS FOR ALL FIOOR MOUNTED FIXTURE CARRIERS.
B. REFERENCE ARCHITECTURAL DRAWINGS FOR EWC2 ORIENTATION.
C. COORDINATE WATER ROUGH-IN HEIGHT FROM MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH GRAB BAR LOCATION. REF ARCH.
D. USE SAME MANUFACTURER FOR UR1 AND UR2.
E. FURNISH WITH LAVATORY DECK ASSEMBLY FIXTURE AND TRIM.

PLUMBING FIXTURE SCHEDULE

ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. REFER TO SPECIFICATIONS.

MARK	FIXTURE	BRANCH SIZES (MIN) CW	HW	WASTE	VENT	MANUFACTURER	MODEL	DESCRIPTION, TRIM AND ACCESSORIES	NOTES
S1	SINK (VC) 1- COMPARTMENT STAINLESS STEEL	1/2"	1/2"	2"	1 1/2"	JUST MANUFACTURING	SL-1515-B-GR	3 HOLES, 0.5 GPM FLOW RESTRICTOR AND AERATOR FAUCET LEAD FREE: ELKAY LK-600GN05L2 DRAIN: JUST MANUFACTURING J-35	C, D, H
S2	SINK (PHARMACY) 1-COMPARTMENT STAINLESS STEEL	1/2"	1/2"	2"	1 1/2"	DAYTON BY ELKAY KOHLER	D-12521 K-3348	4 HOLES, 2.2 GPM FLOW RESTRICTOR AND AERATOR FAUCET LEAD FREE: ELKAY LK-1000, KOHLER K15071-P DRAIN: ELKAY LK-35, KOHLER K8801	C, D, H

GENERAL INFORMATION (ALL FIXTURES):
1. SUBSTITUTIONS NOT PERMITTED. REF SPECIFICATIONS FOR APPROVED MANUFACTURERS OF THE FOLLOWING TRIM AND ACCESSORIES:
   -P-TRAP WITH CLEANOUT PLUG AND SINK CONTINUOUS WASTES: POLISHED CHROME-PLATED TUBULAR BRASS, 17 GAUGE WITH BRASS NUTS AND SLIP INSERTS.
   -SS BRAIDED WATER SUPPLY: FLEXIBLE BRAIDED STAINLESS STEEL (SS) OUTER SHEATHING WITH REINFORCED PVC INNER TUBING.
   -STOP VALVES: CHROME PLATED BRASS, QUARTER TURN ANGLE STOP VALVES.

NOTES:
A. MOUNT EYEWASH 36" AFF TO TOP OF HEAD SPRAY.
B. INSTALL MOP SINK FAUCET AT 32" AFF AND LOCATE TWO MOP HANGER BRACKETS SIDE BY SIDE NEAR MOP SINK.
C. FURNISH WITH ZURN TMV (MODEL ZW3870XLT) UNLESS SERVED WITH TEMPERED WATER OR NOTED OTHERWISE ON PLUMBING DRAWINGS. SET AT 120° F.
D. TRIM WITH OFFSET TAILPIECE, 5/8" ARMAFLEX INSULATION ON EXPOSED HOT WATER AND DRAIN LINES. HOLD ALL EXPOSED PIPING HIGH AS POSSIBLE.
E. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ACTUAL ROUGH-IN HEIGHT REQUIREMENTS.
F. FURNISH WITH 1/2" X 2 1/2" STAINLESS STEEL SIMPSON WEDGE-ALL ANCHORS FOR ALL FIXTURES.
G. CONTRACTOR TO COORDINATE THE REQUIRED CARRIER PRIOR TO ORDERING.
H. SINK FURNISHED WITH CABINET ASSEMBLY. INSTALLATION BY CONTRACTOR.

GROCERY PLUMBING EQUIPMENT CONNECTION SCHEDULE

ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. REFER TO SPECIFICATIONS.

MARK	FIXTURE	BRANCH SIZES (MIN) RO	CW	HW	WASTE	VENT	GAS	ROUGH-IN REQUIREMENTS	NOTES
SS004L	WALL MOUNTED HAND SINK WITH LH SPLASH		1/2"	1/2"	1 1/2"	1 1/4"		WATER: 18" AFF; WASTE: 18" AFF	B, C, F, J, N
SS023	3-COMPARTMENT 34X104 WITH 20" DB		3/4"	3/4"	3"	1 1/2"		WATER: 12" AFF; WASTE: 12" AFF	B, C, D, F, S, Y

GENERAL INFORMATION (ALL EQUIPMENT):
1. EQUIPMENT AND TRIM FURNISHED BY OWNER. ROUGH-IN AND FINAL CONNECTIONS BY PLUMBING CONTRACTOR, UNLESS NOTED OTHERWISE.

NOTES:
A. PROVIDE SHUT-OFF VALVES.
B. PROVIDE P-TRAP WITH CLEANOUT PLUG AND ESCUTCHEON.
C. PROVIDE CHROME PLATED ANGLE SUPPLY, FLEXIBLE RISER, AND WHEEL HANDLE WITH ESCUTCHEON.
D. SINK FAUCETS PROVIDED WITH INTEGRAL CHECK VALVES.
E. PROVIDE FULL-SIZE DRAIN LINE FROM EQUIPMENT, END OPEN OVER RECEPTOR WITH 2" AIR GAP.
F. IF PLUMBING PLAN SHOWS THE SINK INDIRECTLY CONNECTED TO FLOOR SINK, THEN WASTE ROUGH-IN HEIGHT AND VENT SIZE AND NOTE B DO NOT APPLY.
G. PROVIDE DOUBLE CHECK BACKFLOW PREVENTER ON WATER SUPPLY. PROVIDE FEMALE NPT VALVE DOWNSTREAM OF BACKFLOW PREVENTER FOR CONNECTION BY OTHERS.
H. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL FLEXIBLE WATER PIPING AND QUICK DISCONNECT TO EQUIPMENT.
I. PROVIDE STAINLESS STEEL DOUBLE CHECK BACKFLOW PREVENTER EQUAL TO WATTS SS007QT-S ON RO WATER SUPPLY. PROVIDE PEX TUBING ON DOWNSTREAM SIDE OF BACKFLOW PREVENTER.
J. INSTALL THERMOSTATIC MIXING VALVE FURNISHED WITH SINK WITH HARD-PIPED CONNECTIONS TO ANGLE STOPS AND FLEXIBLE CONNECTIONS BETWEEN THERMOSTATIC MIXING VALVE, FOOT PEDAL (PEDESTAL HAND SINK) OR KNEE LEVER (WALL MOUNTED HAND SINK) OR WRIST BLADE LEVERS (ADA WALL MOUNTED HAND SINK) AND SINK. SET AT 105°F.
K. IF RO WATER IS NOT AVAILABLE, PROVIDE INDIVIDUAL WATER FILTER PACKS AS REQUIRED BY WALMART CONSTRUCTION MANAGER.
L. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL EXPOSED DOUBLE CHECK BACKFLOW PREVENTER (WATTS #007 OR EQUAL).
M. PROVIDE COLD WATER INJECTOR OPTION IF ON PLAN OR REQUIRED BY AHJ. REQUIRES 1/2" CW LINE AT FLOOR DRAIN. MODEL #CWI-500.
N. REFER TO ARCHITECTURAL DRAWINGS FOR HAND SINK LEFT (L) AND RIGHT (R) DESIGNATIONS WHICH INDICATE INTEGRAL SPLASHGUARD LOCATIONS OR HAND SINK (H) FOR ADA DESIGNATION.
O. REFRIGERATION CONTRACTOR TO INSTALL MISTING SYSTEM. SUPPLY SIDE ROUGH-IN AND FINAL CONNECTION BY PLUMBING CONTRACTOR.
P. RO VENDOR SHALL BE RESPONSIBLE FOR LOCATIONS OF DRINK DISPENSER AND WATER FILTRATION EQUIPMENT AND ALL FINAL CONNECTIONS.
Q. PROVIDE 1 1/2" P-TRAP AT 12"AFF WITH 1 1/2" TO 3/4" REDUCER FOR CONNECTION TO RO WATER DISPENSER DRAIN.
R. PROVIDE 3/4" I.D. FEMALE FITTING AND SHUT-OFF FOR RO DISPENSER WATER CONNECTION AT 18"AFF.
S. INSTALL 1.2 GPM SPRAY HEAD ON PRE-RINSE SPRAYER FURNISHED BY FIXTURE MANUFACTURER. PLUMBING CONTRACTOR SHALL FURNISH ORIGINAL SPRAY HEAD TO OWNER.
T. EQUIPMENT FURNISHED WITH INTEGRAL BACKFLOW PREVENTER FOR CARBONATED WATER LINE.
U. FILTERED WATER PIPING TO EQUIPMENT IS PROVIDED UNDER SEPARATE CONTRACT.
V. PLUMBING CONTRACTOR SHALL PROVIDE INLINE FILTER PER MANUFACTURE'S RECOMMENDATIONS.
W. PROVIDE 36" FLEXIBLE GAS CONNECTION
X. PROVIDE 48" FLEXIBLE GAS CONNECTION WITH QUICK DISCONNECT AND UPSTREAM GAS SHUT-OFF VALVE.
Y. ATTACH SINK TO WALL WITH CONTRACTOR-PROVIDED STAINLESS STEEL SLOTTED ROUND HEAD FASTENERS OR SHEET METAL SCREWS INSTALLED THROUGH HOLES DRILLED BY CONTRACTOR THROUGH TOP FLANGE OF SINK BACKSPLASH. FOR FRAMED WALLS, USE TWO EVENLY SPACED FASTENERS FOR PREP SINKS AND THREE EVENLY SPACED FASTENERS FOR 3-COMPARTMENT SINKS TO WALL STUDS. FOR SINKS INSTALLED ON COOLER PANEL WALLS, ATTACH SINKS TO COOLER PANEL OUTER SHEET METAL WITH SCREWS AT 12" CENTERS ALONG BACKSPLASH.
Z. SUPPORT INDIRECT DRAIN LINE FROM FLOOR AND INSTALL LINE AS CLOSE TO EQUIPMENT AS POSSIBLE.

PLUMBING SYMBOLS

SS	SANITARY SEWER
GW	GREASE WASTE
OW	OIL WASTE
ST	STORM SEWER
RD	ROOF DRAIN LINE
ORD	OVERFLOW ROOF DRAIN LINE
–	DOMESTIC COLD WATER
– – –	DOMESTIC HOT WATER
– – –	DOMESTIC HOT WATER RETURN
IW	IRRIGATION WATER
T	TEPID OR TEMPERED WATER
F	FILTERED WATER
G	NATURAL GAS
A	COMPRESSED AIR
CD	CONDENSATE DRAIN
RO	REVERSE OSMOSIS WATER
V	PLUMBING VENT
VAC	PLUMBING VACUUM
	UNION
	GAS PRESSURE REGULATOR
	GAS COCK
	ELBOW - TURNED DOWN
	ELBOW - TURNED UP
	TEE - TURNED DOWN
	TEE - TURNED UP
	BALL VALVE
	FLOW CONTROL VALVE
	PLUG VALVE
	CHECK VALVE
	SHUT-OFF VALVE IN VERTICAL LINE
	BACKFLOW PREVENTER
M	WATER METER
WHA	WATER HAMMER ARRESTOR
	THERMOMETER
	T & P RELIEF VALVE
TMV	THERMOSTATIC MIXING VALVE
FD	FLOOR DRAIN
RD	ROOF DRAIN/OVERFLOW ROOF DRAIN
FS	FLOOR SINK
FCO	FLOOR CLEANOUT
YCO	YARD CLEANOUT
FPWH	FREEZE PROOF WALL HYDRANT
HB	HOSE BIBB
WCO	WALL CLEANOUT
	CONNECT TO EXISTING
ETR	EXISTING TO REMAIN
	DEMO PIPE
	AREA OF SLAB CUT
VBF	VENT BELOW FLOOR

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ISSUE BLOCK

1	PR#1	08/20/24
2	ADD#2	09/30/24

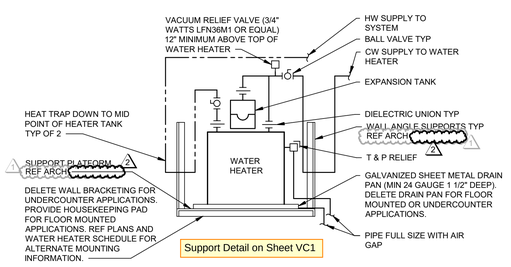
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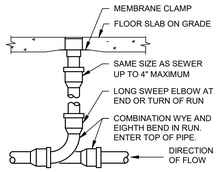
BRIAN A. HALLOCK
STATE OF WASHINGTON
15235
REGISTERED
PROFESSIONAL ENGINEER
9/30/2024

PLUMBING SCHEDULES AND DETAILS

SHEET: P2



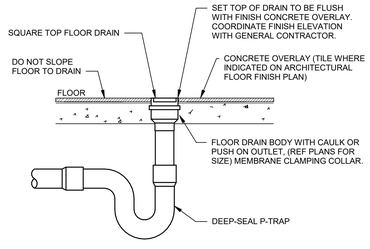
5 WATER HEATER
NTS



4 FLOOR CLEANOUT
NTS

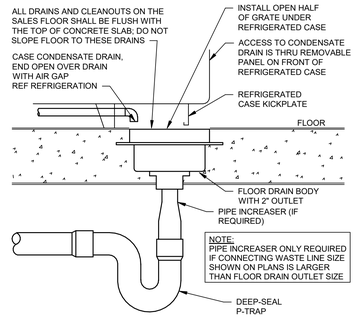
NOTE: IF EXIST FLOOR SLOPES TO DRAIN, COORDINATE WITH ARCHITECTURAL FOR FLOOR DRAIN TO BE FLUSH WITH FINISH FLOOR.

NOTE: THIS DETAIL APPLIES ONLY TO KEYNOTED RESTROOM FLOOR DRAINS AND SHALL NOT BE USED FOR DRAINS AND CLEANOUTS ON THE SALES FLOOR.



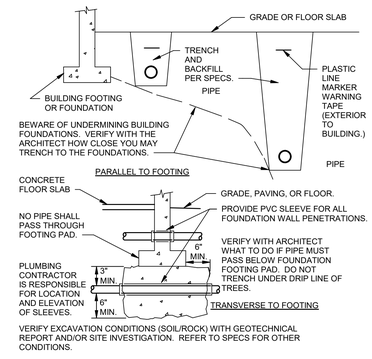
LOCATE FLOOR DRAIN WHERE SHOWN ON DIMENSIONED PLUMBING FLOOR PLAN.

3 OPEN FLOOR AREA DRAIN - RR
NTS



LOCATE FLOOR DRAIN WHERE SHOWN ON DIMENSIONED PLUMBING FLOOR PLAN

2 REFRIGERATED CASE DRAIN
NTS



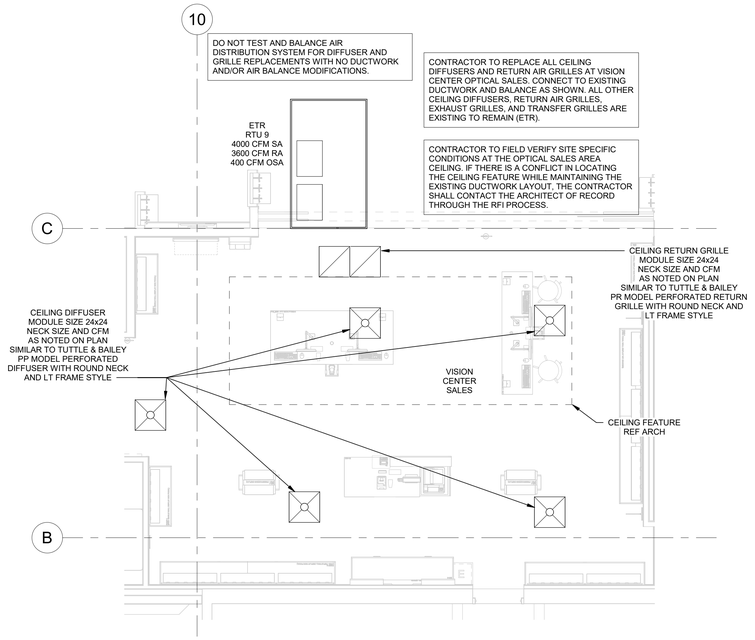
1 PIPE AND TRENCH LOCATION
NTS

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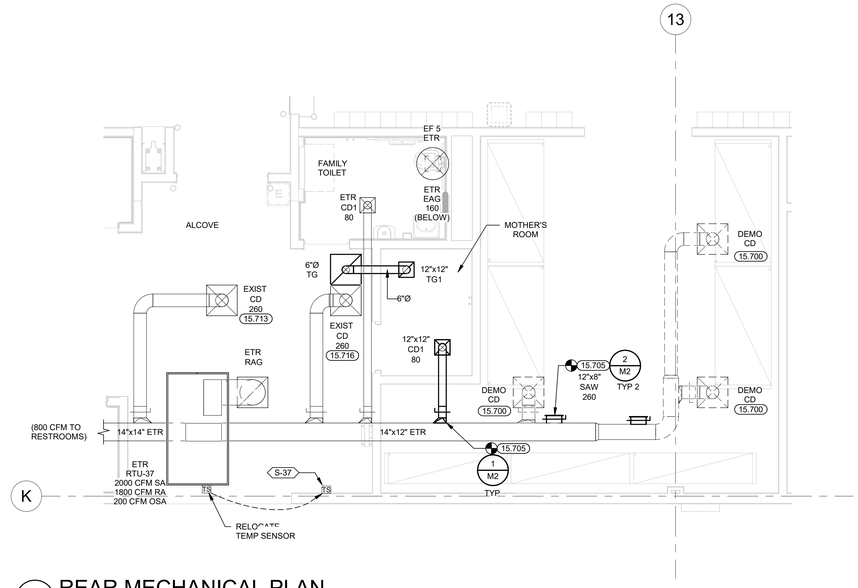
KEYNOTES

15.700	REMOVE AIR DEVICES AND DUCTWORK SHOWN DASHED UNLESS OTHERWISE NOTED AND CAP OFF DUCTWORK TO REMAIN. PATCH AND SEAL DUCTWORK AS NEEDED INCLUDING SEALING DUCTWORK TO REMAIN PER SPECIFICATIONS.
15.705	CONNECT TO EXISTING SUPPLY/RETURN DUCTWORK INDICATED.
15.713	REBALANCE AIR DEVICE TO CFM SHOWN. REDISTRIBUTE AIR FROM EXISTING DUCTWORK TO MATCH NEW CFM REQUIREMENTS.
15.716	RELOCATE AIR DEVICE. MODIFY EXISTING DUCTWORK AS SHOWN.



2 VISION CENTER MECHANICAL PLAN

1/4" = 1'-0"



1 REAR MECHANICAL PLAN

1/4" = 1'-0"

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.	EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

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BRIAN ALAN HAMM
STATE OF WASHINGTON
36235
REGISTERED
PROFESSIONAL ENGINEER
5/10/24

ENLARGED MECHANICAL PLANS

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PRCTI20241053

AIR DEVICE SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	STYLE	FRAME TYPE	FACE SIZE	NOTES
CD1	SUPPLY AIR	TUTTLE & BAILEY E.H.PRICE CARNES	M SMD SKFA	ROUND NECK CEILING DIFFUSER	SURFACE MOUNT	REFER TO DRAWINGS	B, E, I, L, M, N
SAW	SUPPLY AIR	TUTTLE & BAILEY E.H.PRICE CARNES	T64 520DS RTDBV	LOUVERED FACE REGISTER	SURFACE MOUNT	REFER TO DRAWINGS	B, E, F, I
TG	TRANSFER AIR	TUTTLE & BAILEY E.H.PRICE CARNES	CRE500 80TB RAPAH	1/2"x1/2"x1/2" EGGCRATE CEILING GRILLE	LAY-IN	24"x24"	C, D, E, M
TG1	TRANSFER AIR	TUTTLE & BAILEY E.H.PRICE CARNES	CRE500 80F RAPAF	1/2"x1/2"x1/2" EGGCRATE CEILING GRILLE	SURFACE MOUNT	REFER TO DRAWINGS	C, E

VOLUME / BALANCE DAMPER SCHEDULE

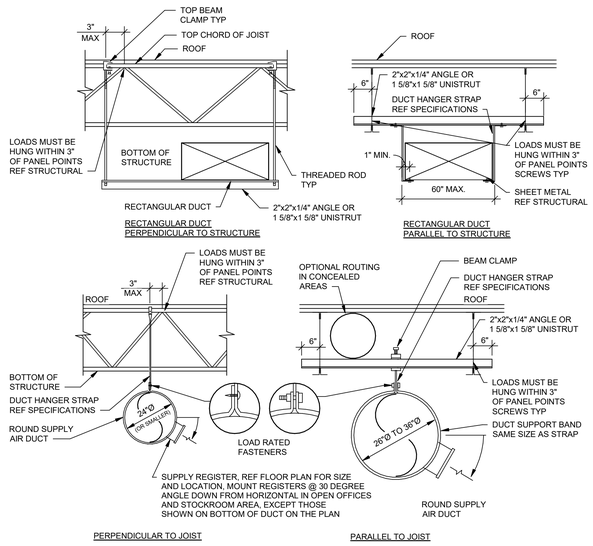
TYPE	MANUFACTURER / MODEL
ROUND	AES / WMVCD RUSKIN / WMR525
RECTANGULAR	AES / AMD4 RUSKIN / WMD25

GENERAL INFORMATION (ALL DEVICES):
1. INSTALL BOTTOM OF WALL MOUNTED AIR DEVICES AT ELEVATION INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
2. BALANCE DAMPER CONTACTS:
   AES - (800) 786-0402
   RUSKIN - (816) 761-7476

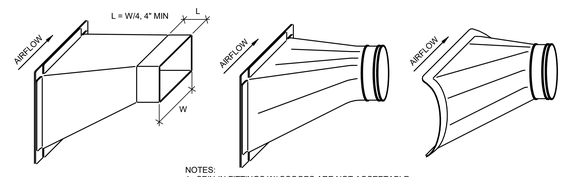
NOTES:
A. 6-WAY (DB1-DB3) OR 4-WAY (DB4-DB8) THROW UNLESS SHOWN OTHERWISE WITH FLOW ARROWS ON PLAN.
B. ALL STEEL CONSTRUCTION.
C. ALL ALUMINUM CONSTRUCTION.
D. BRANCH DUCT SIZE SHALL BE SAME AS NOTED DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE.
E. STANDARD WHITE FINISH.
F. PROVIDE NECK FOR DUCT CONNECTION.
G. DROP BOX DIFFUSERS FURNISHED BY OWNER INSTALLED BY CONTRACTOR. REFERENCE SPECIFICATIONS.
H. PROVIDE INTEGRAL OPPOSED BLADE DAMPERS ON ALL DRUM LOUVERS ON DROP BOXES WITH BRANCH DUCTWORK ATTACHED TO THE SUPPLY PLENUM.
I. PROVIDE MANUFACTURER'S OPPOSED BLADE DAMPER ACCESSIBLE THROUGH FACE UNLESS NOTED OTHERWISE.
J. PROVIDE WITH FASTENERS FOR COMPLETE (NON-HINGED) REMOVABILITY OF GRILLE. DO NOT PROVIDE FILTER UNLESS NOTED OTHERWISE.
K. TWO 2" SLOTS WITH MANUFACTURER'S INSULATED PLENUM (TUTTLE & BAILEY LP, PRICE JSPI, CARNES CXPC.)
L. REFER TO PLANS FOR DIRECTIONAL ARROWS INDICATING CFM THROWS FOR PROPER GRILLE SELECTION.
M. PROVIDE ROUND NECK ADAPTER
N. PROVIDE CEILING TRANSITION REGISTER BOX WITH 16" OR 24" PLATE FOR ROUGH-IN.

MECHANICAL SYMBOLS

18"x12"	RECTANGULAR DUCT 18" WIDE BY 12" DEEP
12" Ø	12" DIAMETER ROUND DUCT
	SUPPLY DUCT IN SECTION
	RETURN OR EXHAUST DUCT IN SECTION
	ELBOW WITH TURNING VANES
	TEE WITH TURNING VANES
	ROUND (OR OVAL) ELBOW
	VOLUME/BALANCE DAMPER
	SUPPLY AIR DIFFUSER WITH ROUND SUPPLY DUCT
	RETURN OR EXHAUST AIR DIFFUSER WITH ROUND DUCT
24"x24" CD 450	BRANCH DUCT AND/OR NECK SIZE DIFFUSER OR GRILLE TYPE CFM
T	THERMOSTAT
S	TIMER
S#	TEMPERATURE SENSOR
	CONNECT TO EXISTING
ETR	EXISTING TO REMAIN
FD	FIRE DAMPER



2 DUCT SUPPORT AND GRILLE
NTS



NOTES:
1. SPIN-IN FITTINGS W/ SCOOPS ARE NOT ACCEPTABLE
2. REF PLANS FOR RUNOUT SIZES
3. 45° LEAD IN

1 HIGH EFFICIENCY BRANCH DUCT FITTING
NTS

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BRIAN ALAN HATCH
STATE OF WASHINGTON
19235
REGISTERED
PROFESSIONAL ENGINEER
5/10/24

MECHANICAL SCHEDULES AND DETAILS

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PRCTI20241053

OWNER FURNISHED REFRIGERATION CONTROLS EQUIPMENT

VENDOR	VENDOR SAP #	Type	QTY	NOTES
HONEYWELL INTERNATIONAL INC	1000211094	KE2 Evap (20178/20844)	3	

BAS EQUIPMENT SALVAGE REQUIREMENTS

04.25.22

ALL DEMOLISHED NOVAR BAS EQUIPMENT SHALL BE RETURNED TO WALMART MECHANICAL SERVICES CONSTRUCTION MANAGER. EQUIPMENT TO BE RETURNED INCLUDES: EXECUTIVE CONTROLLER(S), IOM(S), CIM(S), COM(S), RCC(S), CMS(S), ETC. PROVIDE DOCUMENTATION FOR ALL EQUIPMENT REMOVED IN ACCORDANCE WITH SPECIFICATIONS AND REQUIRED THE BAS SUPPLIER CONFIGURATION SHEETS.

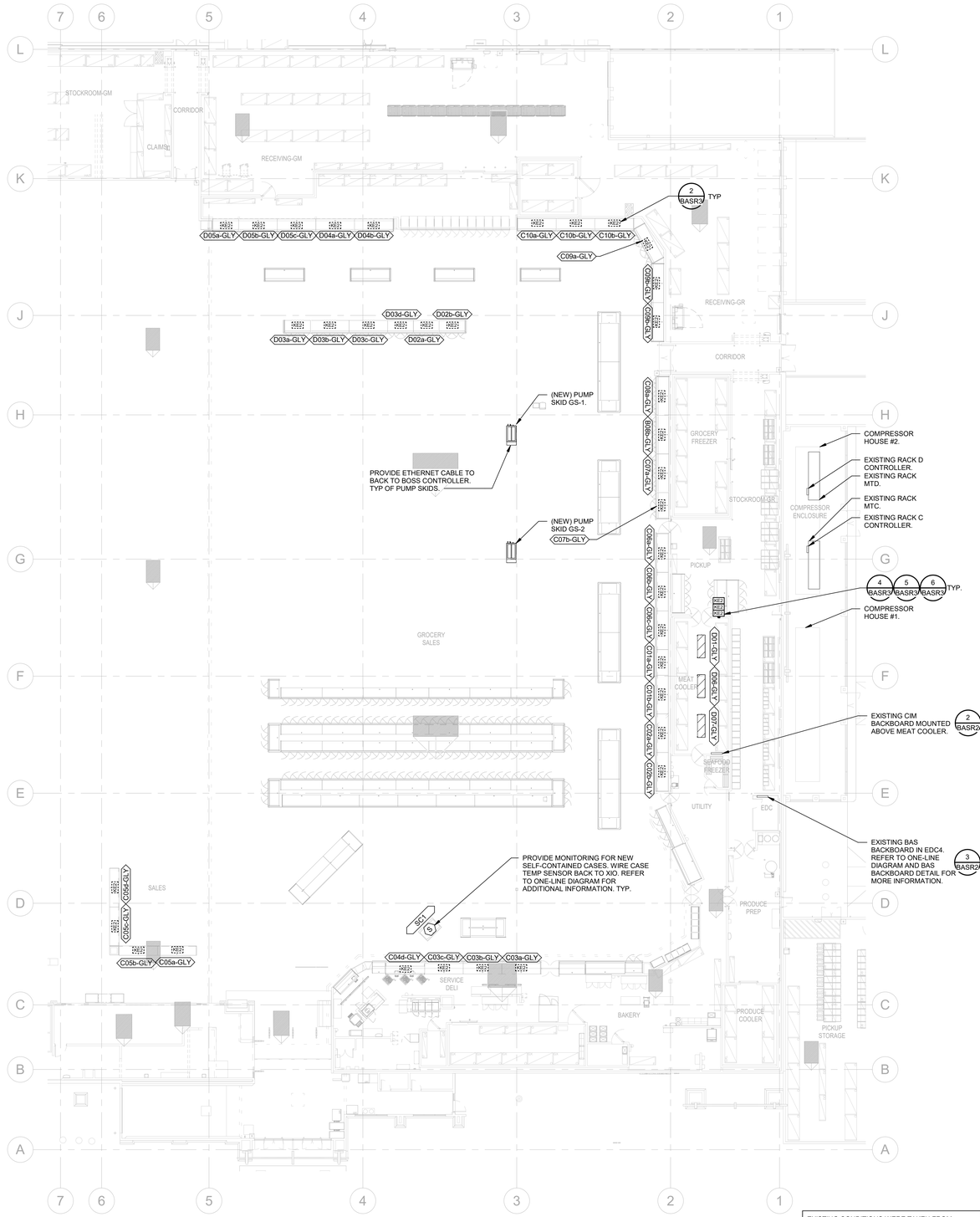
CONTRACTOR SHALL SEND EQUIPMENT TO ASSET TECHNOLOGIES AT THE ADDRESS BELOW. CONTRACTOR SHALL APPLY FOR CHANGER ORDER FOR SHIPPING REIMBURSEMENT. BEFORE SENDING, CALL FOR "RMA" NUMBER AT 502-425-8702.

3600 CHAMBERLAIN LANE
STE. 122, LOUISVILLE, KY 40241

GENERAL REFRIGERATION BAS NOTES

03.12.18

1. BAS CONTRACTOR SHALL CONTACT THE BAS SUPPLIER(S) TO OBTAIN A CURRENT MODULE CONFIGURATION PRINTOUT BEFORE TERMINATING SENSOR LEADS AT INPUT MODULES. THE REQUEST FOR THE CONFIGURATION PRINTOUT SHALL BE MADE PRIOR TO THE INSTALLATION OF BAS CABLES. WIRING TERMINATIONS SHALL BE LANDED ACCORDING TO THE BAS SUPPLIER CONFIGURATION SHEETS.
2. BAS CONTRACTOR SHALL PROVIDE COMPLETED REFRIGERATION SENSOR INPUT VERIFICATION FORMS TO THE BAS SUPPLIER(S) AT THE BEGINNING OF THE REFRIGERATION EQUIPMENT STARTUP. BAS INSTALLER SHALL PROVIDE ASSISTANCE TO THE BAS SUPPLIER(S) FOR SPOT CHECKING OF SENSORS FOR ACCURACY.
3. ALL BAS CABLE ON THE SALES FLOOR SHALL BE ROUTED IN CONDUIT AND CONCEALED FROM VIEW AND ROUTED ALONGSIDE OTHER PIPING OR CONDUIT AS MUCH AS POSSIBLE.
4. BAS CONTRACTOR SHALL BE PRESENT AND AVAILABLE TO RESOLVE ISSUES AND PROVIDE REFRIGERATION STARTUP ASSISTANCE UNTIL RELEASED BY THE BAS SUPPLIER AND WALMART MECHANICAL CONSTRUCTION MANAGER.
5. DURING THE REFRIGERATION STARTUP, BAS CONTRACTOR SHALL COMPLETE ALL UNRESOLVED REFRIGERATION WORK PRIOR TO WORKING ON OTHER BAS INSTALLATION ITEMS.
6. WHEN THE BAS SUPPLIER IS NOT SCHEDULED TO PERFORM THE ON SITE REFRIGERATION STARTUP, THE BUILDING AUTOMATION CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL CHECKS AND TEST TO ENSURE A FULLY FUNCTIONAL REFRIGERATION CONTROL SYSTEM. CONTACT THE BAS SUPPLIER FOR THE BLANK TEST VERIFICATION FORMS AND INSTRUCTIONS FOR COMPLETING. ALL COMPLETED TEST VERIFICATION FORMS SHALL BE RETURNED TO THE WALMART MECHANICAL CONSTRUCTION MANAGER.
7. REFER TO ARCHITECTURAL DRAWINGS FOR PIPING INSTALLATION AND SEALING REQUIREMENTS FOR DEVICES SHOWN ON COOLER/FREEZER PANELS. DO NOT INSTALL PIPING WITHIN COOLER/FREEZER PANELS.
8. ROUTE ALL UTILITY SERVICE LINES (PIPES AND CONDUIT) WITHIN STUD WALLS WHEREVER POSSIBLE. ON COOLER/FREEZER PANELS IN FOOD PREP AREAS WHERE UTILITIES MUST BE EXPOSED, CONTRACTOR TO HAVE THE OPTION OF THE FOLLOWING:
   A. SURFACE MOUNT UTILITIES WITH NON-CORROSIVE ANCHORS; SEAL BOTH SIDES OF PIPE/CONDUIT TO PANEL CONTINUOUSLY WITH SEALANT.
   B. INSTALL UTILITIES 1/2" OFF FACE OF PANEL TO ALLOW FOR CLEANING; USE ONLY NON-CORROSIVE MATERIALS FOR SPACERS AND ANCHORS.
   C. COVER UTILITIES WITH 20 GAUGE STAINLESS STEEL BENT PLATES MOUNTED TO WALL WITH NON-CORROSIVE ANCHORS; APPLY CONTINUOUS SEALANT ALONG EDGES AND JOINTS.
9. REFERENCE ARCHITECTURAL DEMOLITION PLANS FOR FULL EXTENT OF DEMOLITION WORK REQUIRED.


STOCKROOM-GM
CORRIDOR
CLAIMS
RECEIVING-GM
RECEIVING-GR
CORRIDOR
GROCERY FREEZER
STOCKROOM-GR
COMPRESSOR ENCLOSURE
PICKUP
GROCERY SALES
MEAT COOLER
SEAFOOD FREEZER
UTILITY
EDC
SALES
SERVICE DELI
BAKERY
PRODUCE PREP
PRODUCE COOLER
PICKUP STORAGE
D05a-GLY
D05b-GLY
D05c-GLY
D04a-GLY
D04b-GLY
C10a-GLY
C10b-GLY
C10b-GLY
2 BASR3 TYP
C09a-GLY
C09b-GLY
C09c-GLY
D03d-GLY
D02b-GLY
D03a-GLY
D03b-GLY
D03c-GLY
D02a-GLY
(NEW) PUMP SKID GS-1.
PROVIDE ETHERNET CABLE TO BACK TO BOSS CONTROLLER. TYP OF PUMP SKIDS.
C08a-GLY
C08b-GLY
C07a-GLY
(NEW) PUMP SKID GS-2
C07b-GLY
C06a-GLY
C06b-GLY
C05a-GLY
C05b-GLY
D01-GLY
D06-GLY
D07-GLY
C04a-GLY
C04b-GLY
C03a-GLY
C03b-GLY
C03c-GLY
C03d-GLY
C05c-GLY
C05d-GLY
C05e-GLY
C05f-GLY
C02a-GLY
C02b-GLY
C01a-GLY
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PRCTI20241053

RACK MTC DISCHARGE AIR TEMPERATURE AND DEFROST PARAMETERS

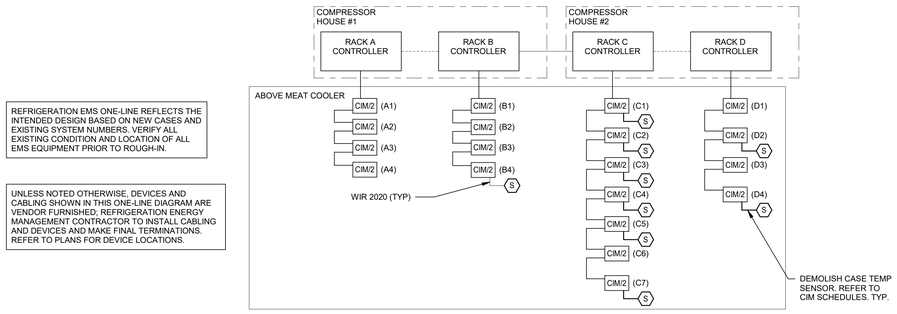
CIRCUIT #	APPLICATION	MODEL NUMBER	MFR	EQUIP NUMBER	DISCHARGE AIR TEMP SETTINGS FOR CASES/ RETURN AIR TEMP SETTING FOR WALK IN BOXES: MANUFACTURER TARGET (°F)	OPERATING SETPOINT (°F)	DUAL TEMP TARGET (°F)	DEFROST: DEFROST TYPE	FREQUENCY PER DAY	MAX DURATION (MIN)	TERMINATION TEMP (°F)	DRIP TIME (MIN)	DEFROST SCHEDULE: Defrost 1	Defrost 2	Defrost 3	Defrost 4	Defrost 5	Defrost 6	Defrost 7	Defrost 8
**C01-GLY MD MEAT	M/D Fresh Meat	**MXWG-VOP	KYSOR/WARREN	RS4038.352 - 08/28/2023	20	28	-	OT	6	30	47	0	0:00	4:00	8:00	12:00	16:00	20:00		
**C02-GLY MD MEAT	M/D Fresh Meat	**MXWG-VOP	KYSOR/WARREN	RS4038.352 - 08/28/2023	20	28	-	OT	6	30	47	0	0:35	4:35	8:35	12:35	16:35	20:35		
**C03-GLY MD DELI	M/D Deli	**DWLD-VCT	KYSOR/WARREN	RS3007.042 - 11/13/2023	20	32	-	OT	3	35	47	0	3:00	11:00	19:00					
**C04-GLY MD DELI	Service Deli	**BMD-EOC	HILLPHOENIX	RS3035.642 - 04/24/2024	20	26	-	OT	6	30	45	0	0:03	4:03	8:03	12:03	16:03	20:03		
**C05-GLY MD DELI	Grab n' Go	**OC-R-35-VOP	HILLPHOENIX	RS1069.652 - 12/06/2023	20	28	-	OT	6	30	45	0	1:00	5:00	9:00	13:00	17:00	21:00		
**C06-GLY MD MEAT	M/D Fresh Meat	**MXWG-VOP	KYSOR/WARREN	RS4038.352 - 08/28/2023	20	32	-	OT	6	30	47	0	2:30	6:30	10:30	14:30	18:30	22:30		
**C07-GLY MD DELI	M/D Deli	**DWLD-VCT	KYSOR/WARREN	RS3007.042 - 11/13/2023	20	32	-	OT	3	35	47	0	3:15	11:15	19:15					
**C08-GLY MD DELI	M/D Deli	**DWLD-VCT	KYSOR/WARREN	RS3007.042 - 11/13/2023	20	32	-	OT	3	35	47	0	4:00	12:00	20:00					
**C09-GLY MD DELI	M/D Deli	**DWLD-VCT	KYSOR/WARREN	RS3007.042 - 11/13/2023	20	32	-	OT	3	35	47	0	1:20	9:20	17:20					
**C10-GLY MD DELI	M/D Deli	**DWLD-VCT	KYSOR/WARREN	RS3007.042 - 11/13/2023	20	ETR	-	OT	3	35	47	0	4:35	12:35	20:35					
C1	Deli Promo Island	ONJUMEM	HILL PHOENIX	ETR	20	ETR	-	OT	4	45	45	0	4:15	10:00	16:15	22:00				
C2	Poultry Cooler	WKE100B	BOHN	ETR	20	ETR	-	OT	3	40	55	3	7:28	15:51	23:31					
C5	M.T. Cake	B31-UN	KYSOR/WARREN	ETR	18	ETR	-	EL	4	40	55	0	0:15	6:00	12:15	18:00				
C11	M.T. Narrow Coffin	NFN	HUSSMANN	ETR	13	ETR	-		1	36	60	3	1:43							
C12	M.T. Coffins W/ Ends	NFJNFJE	HUSSMANN	ETR	13	ETR	-	EL	1	36	60	3	3:51							
C14	M.T. Coffins W/ Ends	NFJNFJE	HUSSMANN	ETR	13	ETR	-		1	36	60	3	5:46							
C17	M.T. Coffins W/ Ends	NFN	HUSSMANN	ETR	13	ETR	-	EL	2	40	50	3	4:30	16:30						

Information included in this schedule is taken from manufacturer's submittals.
Contractor to verify information against latest submittals available at time cases/coils are delivered.
Parameters above are to be used in programming new/replaced cases/coils only.

RACK MTD DISCHARGE AIR TEMPERATURE AND DEFROST PARAMETERS

CIRCUIT #	APPLICATION	MODEL NUMBER	MFR	EQUIP NUMBER	DISCHARGE AIR TEMP SETTINGS FOR CASES/ RETURN AIR TEMP SETTING FOR WALK IN BOXES: MANUFACTURER TARGET (°F)	OPERATING SETPOINT (°F)	DUAL TEMP TARGET (°F)	DEFROST: DEFROST TYPE	FREQUENCY PER DAY	MAX DURATION (MIN)	TERMINATION TEMP (°F)	DRIP TIME (MIN)	DEFROST SCHEDULE: Defrost 1	Defrost 2	Defrost 3	Defrost 4	Defrost 5	Defrost 6	Defrost 7	Defrost 8
**D01-GLY MEAT CLR	1/3 Meat Cooler	**GHA46D-270BDAA	KRACK	-	-	28	-	EL	DEMAND DEFROST EMPLOYED BY KE2 CONTROLLER											
**D02-GLY MD BEER	M/D Beer	**DWLD-VCT	KRACK	RS3007.042 - 11/13/2023	-	32	-	OT	3	35	47	0	1:00	9:00	17:00					
**D03-GLY MD BEER	M/D Beer	**DWLD-VCT	KYSOR/WARREN	RS3007.042 - 11/13/2023	-	32	-	OT	3	35	47	0	3:45	11:45	19:45					
**D04-GLY RL MD DAIRY	M/D Rear Load Dairy	**DWRLD-VCT	KYSOR/WARREN	RS3026.042 - 02/07/2024	-	32	-	OT	3	35	47	0	0:00	8:00	16:00					
**D05-GLY RL MD DAIRY	M/D Rear Load Dairy	**DXWRLD-VCT	KYSOR/WARREN	RS3026.042 - 02/07/2024	-	32	-	OT	3	35	47	0	2:25	10:25	18:25					
**D06-GLY MEAT CLR	1/3 Meat Cooler	**GHA46D-270BDAA	KRACK	-	-	28	-	EL	DEMAND DEFROST EMPLOYED BY KE2 CONTROLLER											
**D07-GLY MEAT CLR	1/3 Meat Cooler	**GHA46D-270BDAA	KRACK	-	-	28	-	EL	DEMAND DEFROST EMPLOYED BY KE2 CONTROLLER											
0	0	0	TYLER	ETR	19	ETR	-	OT	4	24	-	0	0:00	6:00	14:00	20:00				
D1	M/D Produce	N6DL	TYLER	ETR	19	ETR	-	OT	4	24	-	0	0:36	6:36	12:36	18:36				
D2	M/D Produce	N6DL	BOHN	ETR	25	ETR	-	OT	3	40	50	0	7:34	15:34	23:34					
D3	Produce Cooler	WKF70A	BOHN	ETR	25	ETR	-	OT	3	40	50	0	2:58	10:58	18:58					
*D8	Spare	-	BOHN	ETR	25	ETR	-	OT	3	45	50	0	1:34	9:34	17:34					
D9	2/3 Dairy Cooler	(2) AD7260A	BOHN	ETR	25	ETR	-	OT	3	45	50	0	4:58	12:58	20:58					
D10	Dairy Cooler	AD7130A	TYLER	ETR	19	ETR	-	OT	4	24	-	0	4:56	10:56	16:56	22:56				

Information included in this schedule is taken from manufacturer's submittals.
Contractor to verify information against latest submittals available at time cases/coils are delivered.
Parameters above are to be used in programming new/replaced cases/coils only.



REFRIGERATION EMS ONE-LINE REFLECTS THE INTENDED DESIGN BASED ON NEW CASES AND EXISTING SYSTEM NUMBERS. VERIFY ALL EXISTING CONDITION AND LOCATION OF ALL EMS EQUIPMENT PRIOR TO ROUGH-IN.

UNLESS NOTED OTHERWISE, DEVICES AND CABLING SHOWN IN THIS ONE-LINE DIAGRAM ARE VENDOR FURNISHED; REFRIGERATION ENERGY MANAGEMENT CONTRACTOR TO INSTALL CABLING AND DEVICES AND MAKE FINAL TERMINATIONS. REFER TO PLANS FOR DEVICE LOCATIONS.

CIM SCHEDULES

CIM/2-C1 SCHEDULE (E)			
1	MTC-1a	(SENSOR)	(E)
2	MTC-1b	(SENSOR)	(E)
3	MTC-1c	(SENSOR)	(E)
4	MTC-1d	(SENSOR)	(E)
5	MTC-2	(SENSOR)	(E)
6	**SPARE**		
7	**SPARE**		
8	SPARE		
AUX	SPARE		

CIM/2-C2 SCHEDULE (E)			
1	**SPARE**		
2	**SPARE**		
3	MTC-5a	(SENSOR)	(E)
4	MTC-5b	(SENSOR)	(E)
5	MTC-6	(SENSOR)	(E)
6	SPARE		
7	SPARE		
8	SPARE		
AUX	SPARE		

CIM/2-C3 SCHEDULE (E)	
1	**SPARE**
2	**SPARE**
3	**SPARE**
4	**SPARE**
5	**SPARE**
6	**SPARE**
7	**SPARE**
8	SPARE
AUX	SPARE

CIM/2-C4 SCHEDULE (E)			
1	**SPARE**		
2	**SPARE**		
3	MTC-11a	(SENSOR)	(E)
4	MTC-11b	(SENSOR)	(E)
5	SPARE		
6	SPARE		
7	SPARE		
8	SPARE		
AUX	SPARE		

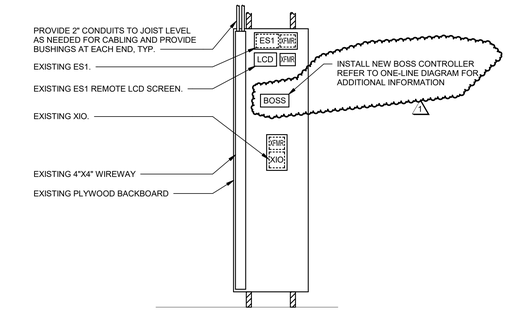
CIM/2-C5 SCHEDULE (E)			
1	MTC-12a	(SENSOR)	(E)
2	MTC-12b	(SENSOR)	(E)
3	MTC-12c	(SENSOR)	(E)
4	MTC-12d	(SENSOR)	(E)
5	MTC-12e	(SENSOR)	(E)
6	MTC-12f	(SENSOR)	(E)
7	**SPARE**		
8	**SPARE**		
AUX	SPARE		

CIM/2-C7 SCHEDULE (E)			
1	**SPARE**		
2	**SPARE**		
3	**SPARE**		
4	**SPARE**		
5	**SPARE**		
6	**SPARE**		
7	MTC-17a	(SENSOR)	(E)
8	MTC-17b	(SENSOR)	(E)
AUX	SPARE		

CIM/2-D2 SCHEDULE (E)	
1	**SPARE**
2	**SPARE**
3	**SPARE**
4	**SPARE**
5	**SPARE**
6	**SPARE**
7	**SPARE**
8	SPARE
AUX	SPARE

CIM/2-D4 SCHEDULE (E)	
1	**SPARE**
2	**SPARE**
3	**SPARE**
4	**SPARE**
5	SPARE
6	SPARE
7	SPARE
8	SPARE
AUX	SPARE

2 REFRIGERATION EMS ONE-LINE DIAGRAM (NOVAR)
NTS



3 EXISTING EDC4 BAS BACKBOARD
NTS 12/04/17

IF WIRING LENGTH BETWEEN DEVICES EXCEEDS 328', OBTAIN SPORLAN-APPROVED NETWORK SWITCH TO INCREASE MAXIMUM WIRING LENGTH TO 650'. INSTALL ONE ADDITIONAL SWITCH FOR EACH SUBSEQUENT INCREMENT OF 325' OF RUN BETWEEN DEVICES.

REFRIGERATION BAS ONE-LINE REFLECTS THE INTENDED DESIGN BASED ON NEW CASES AND EXISTING SYSTEM NUMBERS. VERIFY ALL EXISTING CONDITION AND LOCATION OF ALL BAS EQUIPMENT PRIOR TO ROUGH-IN.

UNLESS NOTED OTHERWISE, DEVICES AND CABLING SHOWN IN THIS ONE-LINE DIAGRAM ARE VENDOR FURNISHED; REFRIGERATION BUILDING AUTOMATION CONTRACTOR TO INSTALL CABLING AND DEVICES AND MAKE FINAL TERMINATIONS. REFER TO PLANS FOR DEVICE LOCATIONS.

COORDINATE WITH LEGACY BAS VENDOR (NOVAR) FOR THE REPROGRAMMING OF THEIR RACK CONTROLLER WITH THE REMOVAL OF CIRCUITS FROM THEIR CONTROL. VERIFY DEFROST SCHEDULES ARE COORDINATED BETWEEN THE EXISTING RACK CONTROLLER AND THE NEW CASE CONTROLS.

WIRE LEGEND
WIR-1010 (TAN CABLE 18-2, 20-2 TWISTED PAIR)
WIR-2020 (BLUE CABLE 22-2 TWISTED PAIR)

NOTES:
1. ALL CABLE WIR-2020 UNLESS NOTED OTHERWISE.
2. ALL WIR-1010 AND WIR-2020 CABLE FURNISHED BY OWNER FOR INSTALLATION BY CONTRACTOR.
3. ALL OTHER CABLE FURNISHED AND INSTALLED BY CONTRACTOR.

EXISTING XIO-80 (XIO-02)	
UNIVERSAL INPUTS/ANALOG OUTPUTS	
U1/A1	LDP PICKUP COOLER (AI)
U2/A2	LDP PICKUP COOLER (DI)
U3/A3	LDP PICKUP FREEZER (AI)
U4/A4	LDP PICKUP FREEZER (DI)
U5/A5	SC-1 (DI)
U6/A6	SPARE
U7/A7	SPARE
U8/A8	SPARE

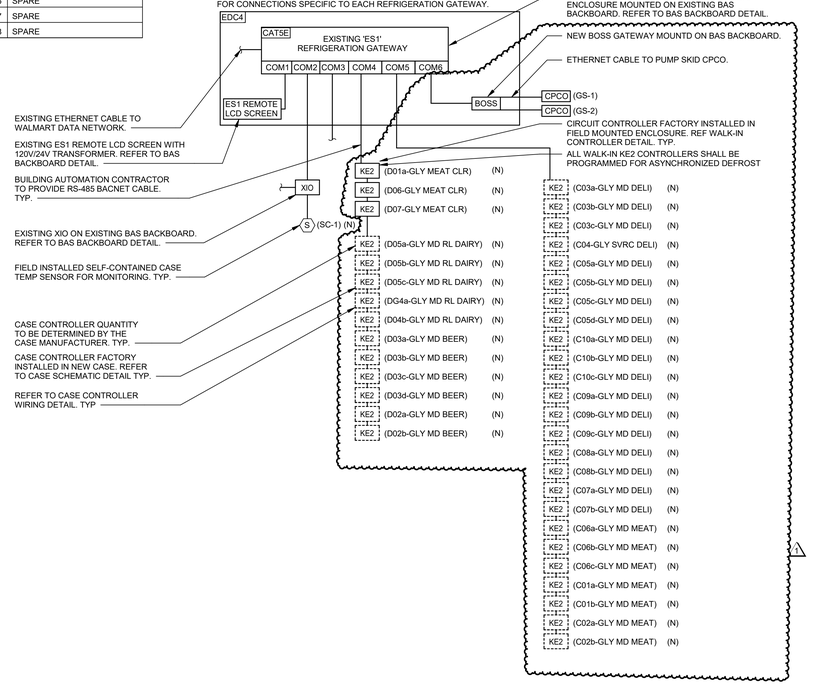
ES-1	
	COMMUNICATION PORT
COM1	LCD / BACNET LOOP
COM2	XIO / KE2

COM MODULE 1	
	COMMUNICATION PORT
COM3	XCM
COM4	RACK D KE2 LOOP

COM MODULE 2	
	COMMUNICATION PORT
COM5	RACK C KE2 LOOP
COM6	OPEN

BAS ONE-LINE AND SCHEDULE NOTES		
E	-----	EXISTING BAS DEVICE, SENSOR, OR WIRE FOR REUSE.
RL		EXISTING BAS DEVICE OR SENSOR TO RELOCATE AND RECONNECT. INSTALL NEW CABLE FOR RELOCATED DEVICE OR SENSOR AS NECESSARY.
RD		REDESIGNATED BAS DEVICE OR SENSOR.
RP		REPLACED BAS DEVICE OR SENSOR.
N		NEW BAS DEVICE OR SENSOR.
FI	——	NEW FIELD INSTALLED BAS DEVICE, SENSOR, OR WIRE.
FA	------	NEW FACTORY INSTALLED BAS DEVICE, SENSOR, OR WIRE.
M		BAS DEVICE OR SENSOR USED FOR MONITORING ONLY.
DI		DIGITAL INPUT.
AI		ANALOG INPUT.

NOTE:
1.) NOT ALL CONNECTIONS SHOWN ON THIS SCHEDULE ARE PRESENT AT EACH REFRIGERATION GATEWAY. REFER TO ONE-LINE DIAGRAM FOR CONNECTIONS SPECIFIC TO EACH REFRIGERATION GATEWAY.



1 REFRIGERATION BAS ONE-LINE DIAGRAM (NOVAR / SPORLAN)
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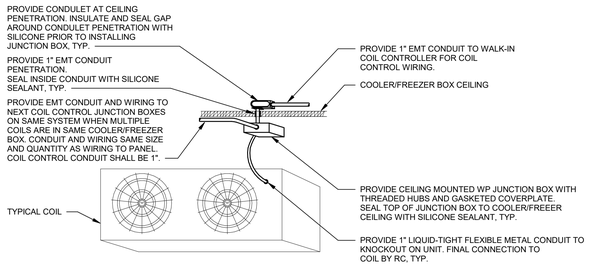


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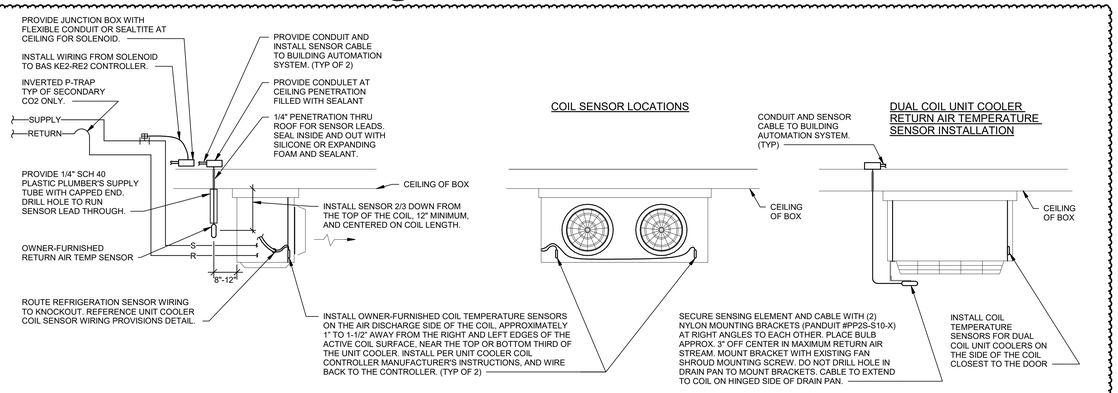


NOTE: DO NOT LOCATE WP JUNCTION BOX DIRECTLY IN FRONT OF DISCHARGE FAN, OFFSET TO SIDE.

NOTE: THE CONDUIT AND WIRING IN THIS DETAIL IS FOR LOW VOLTAGE AND CONTROL VOLTAGE WIRING ONLY. EVAPORATOR COIL POWER LINE VOLTAGE WIRING SHALL BE INSTALLED IN SEPARATE CONDUIT. REFER TO ELECTRICAL.

6 EVAPORATOR COIL SENSOR WIRING PROVISIONS

NTS

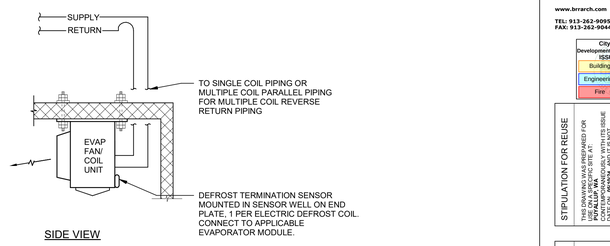


REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ALL FIELD INSTALLED ITEMS. BAS CONTRACTOR SHALL CARRY OUT ALL FURNISHING, INSTALLATION, AND WIRE TERMINATIONS UNLESS NOTED OTHERWISE.

REFER TO WALK-IN CONTROLLER WIRING DETAIL FOR TERMINATIONS

4 WALK-IN EVAPORATOR TEMPERATURE SENSOR LOCATION

NTS

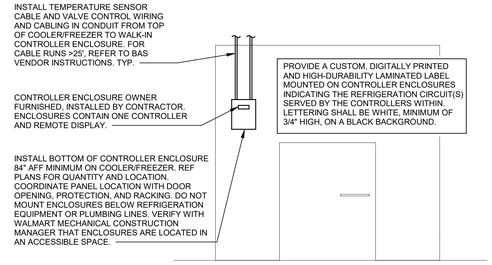


SIDE VIEW

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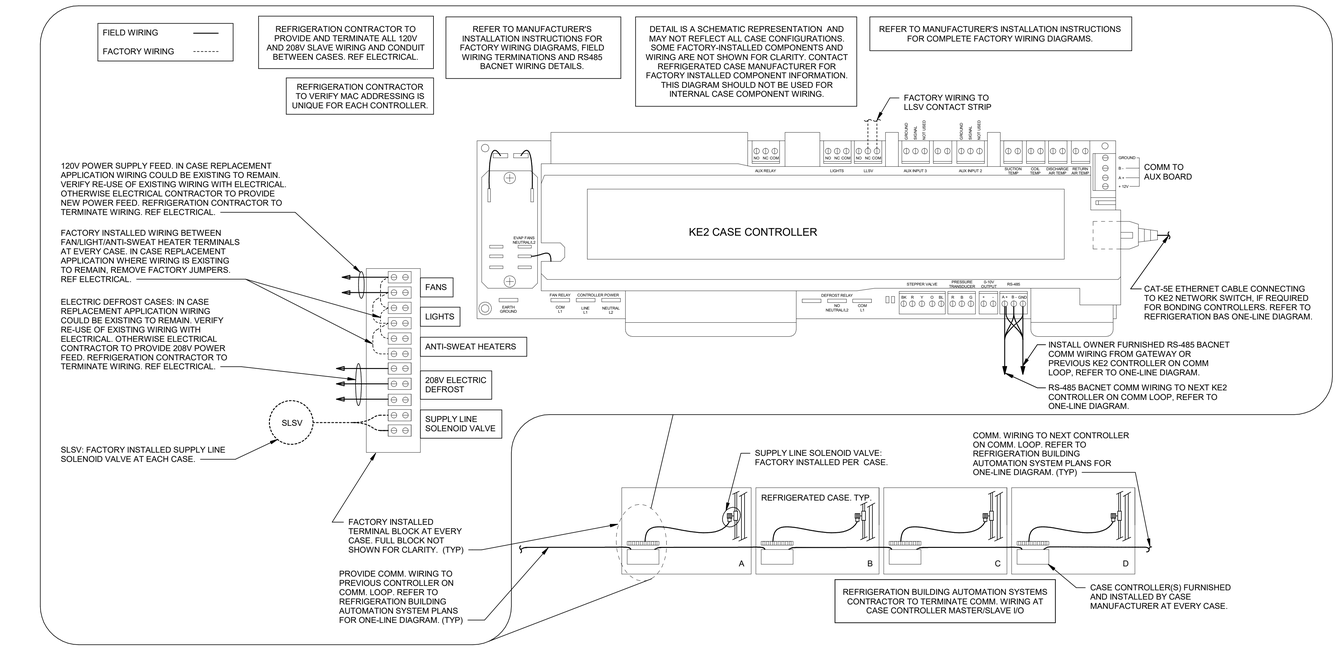
5 ELECTRIC DEFROST TERMINATION SENSOR

NTS



3 WALK-IN COOLER/FREEZER COIL CONTROLLER ENCLOSURE MOUNTING (KE2)

NTS 11.30.17



2 CASE CONNECTION SCHEMATIC (KE2, SECONDARY)

NTS 01.28.22

THIS DETAIL IS A SCHEMATIC REPRESENTATION AND MAY NOT REFLECT ALL WALK-IN COIL CONTROLLER CONFIGURATIONS. REFERENCE MANUFACTURER FOR FACTORY INSTALLED COMPONENT INFORMATION.

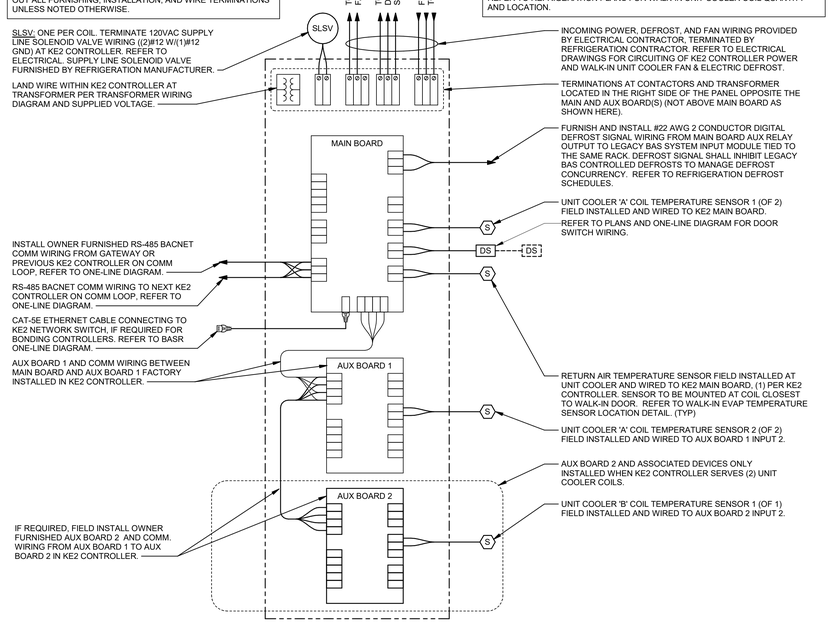
CONTACT NOVAR (NOVARTEC28@wal-mart.com, 800-341-7795) FOR INSTRUCTIONS REGARDING THE INSTALLATION AND START-UP OF THE KE2THERM CONTROLLER AT THIS PARTICULAR SITE.

REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ALL FIELD INSTALLED ITEMS. BAS CONTRACTOR SHALL CARRY OUT ALL FURNISHING, INSTALLATION, AND WIRE TERMINATIONS UNLESS NOTED OTHERWISE.

TEMPERATURE SENSORS, DOOR SWITCH, AND ASSOCIATED WIRING FURNISHED BY OWNER WITH KE2 CONTROLLER, INSTALLED BY CONTRACTOR. SENSORS AND SWITCH ARE NOT SHOWN ON PLANS FOR CLARITY. REFER TO MANUFACTURERS INSTALLATION AND WIRING INSTRUCTIONS.

WHEN LOW VOLTAGE CABLING INSTALLATION RUNS EXCEED THE MAXIMUM LENGTHS ALLOWED FOR THE CABLING FURNISHED BY OWNER WITH THE KE2 CONTROLLER, FURNISH CABLE PER MANUFACTURER'S RECOMMENDATIONS FOR DISTANCES REQUIRED. REFER TO MANUFACTURER'S INSTRUCTION FOR MAXIMUM DISTANCES ALLOWED FOR OWNER FURNISHED CABLES.

REFER TO REFRIGERATION PLANS FOR WALK-IN UNIT COOLER COIL QUANTITY AND LOCATION.



1 WALK-IN CONTROLLER WIRING (KE2, SECONDARY)

NTS 01.28.22

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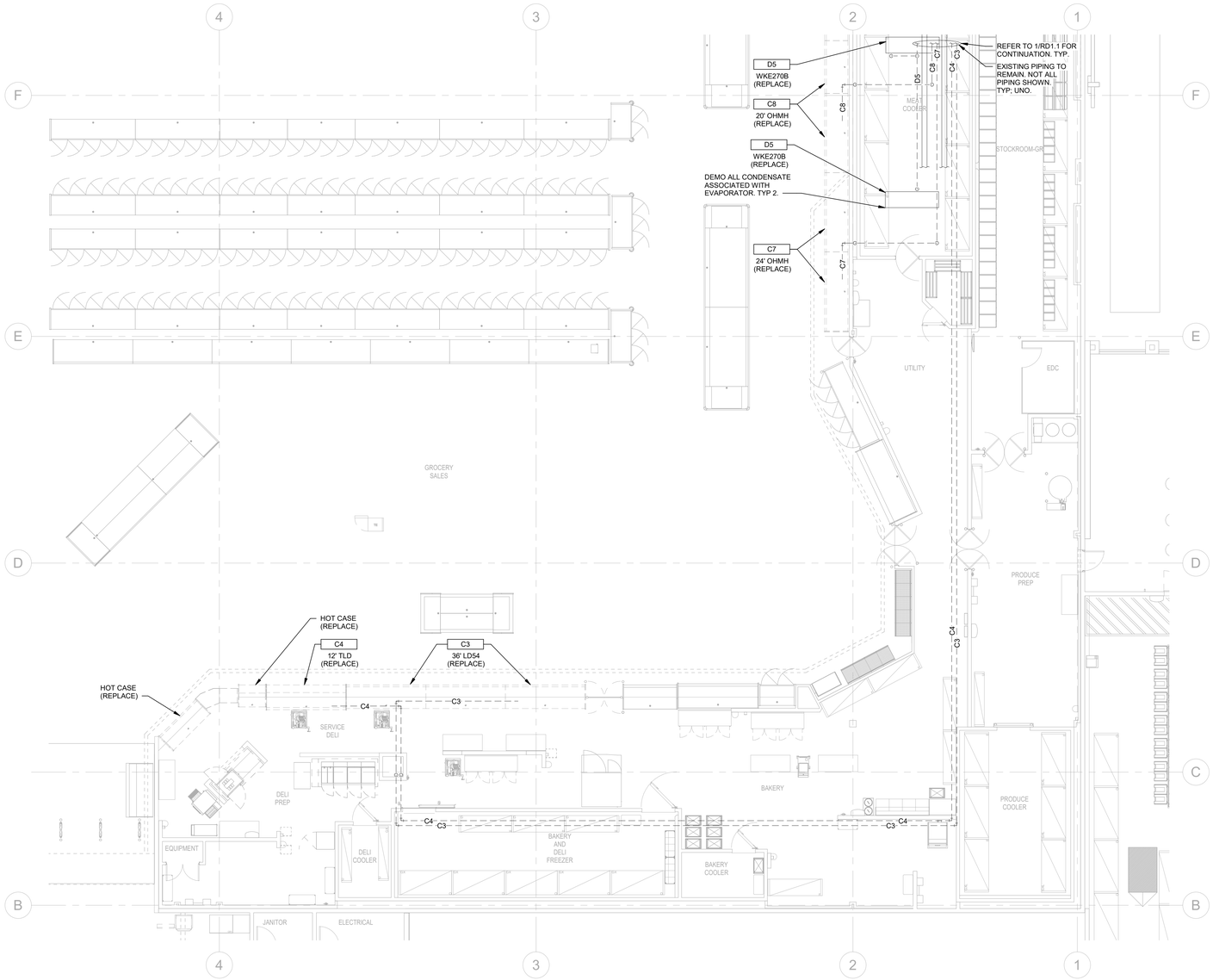


BUILDING AUTOMATION SYSTEM

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1 FRONT REFRIGERATION DEMOLITION PLAN
1/8" = 1'-0"

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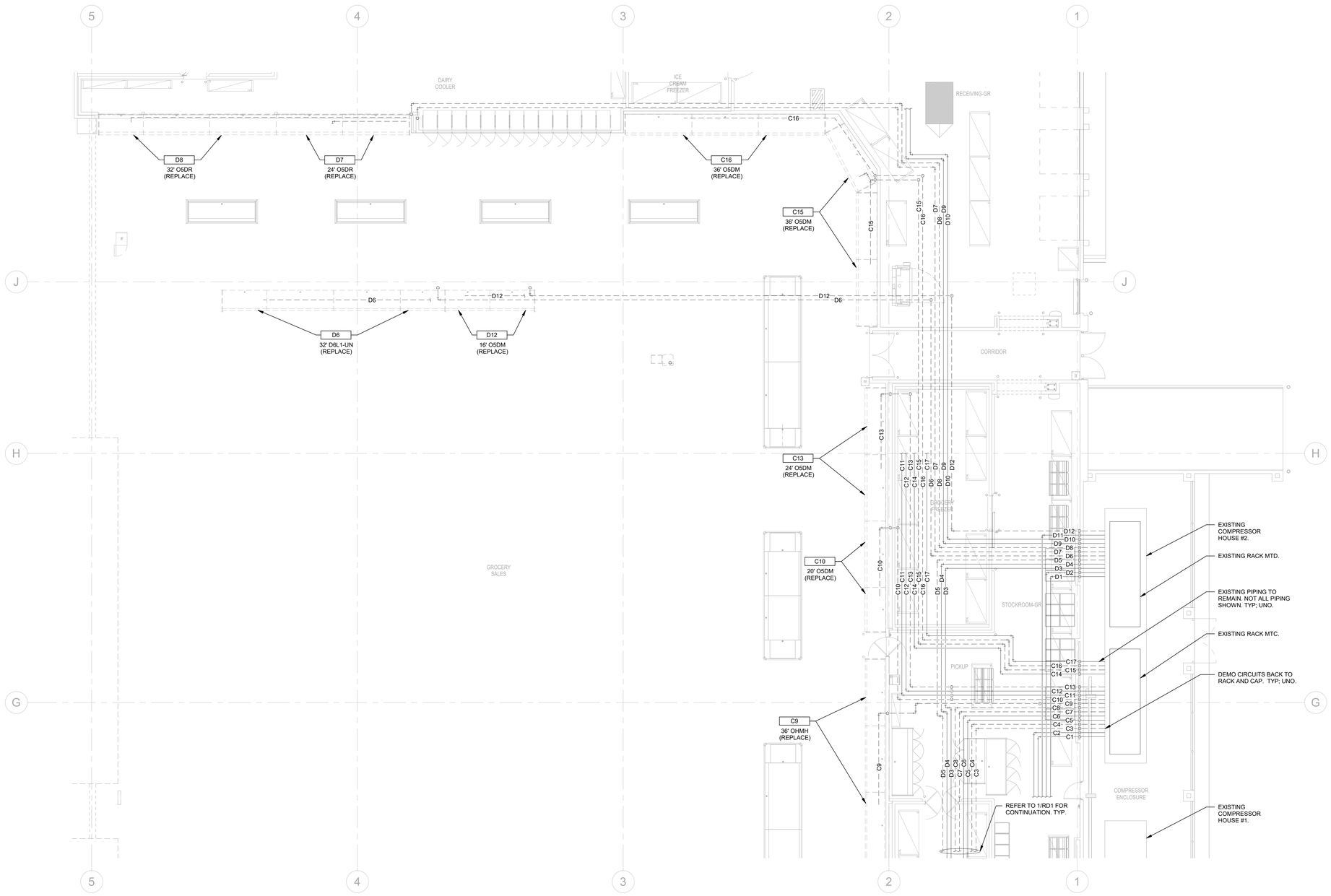
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STATE OF WASHINGTON
18226
REGISTERED
PROFESSIONAL ENGINEER
5/10/24

FRONT REFRIGERATION DEMOLITION PLAN

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1 REAR REFRIGERATION DEMOLITION PLAN
1/8" = 1'-0"

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END OF LOOP BALANCE VALVE SCHEDULE

REFRIGERATION SYSTEM	FLOW RATE (GPM)	SIZE
CEOLF1	2	3/4
CEOLF2	2	3/4
DEOLF2	2	3/4

1) BALANCING VALVES SHALL BE VENTURI TYPE MANUAL BALANCING VALVES. MANUFACTURER SHALL BE HAYS FLUID CONTROL.
2) BALANCING VALVES ADJUSTED BY CONTRACTOR IN FIELD SHALL ONLY BE ADJUSTED UPWARD FROM FLOW RATE SPECIFIED.

PIPING SCHEDULE RACK MTD (DX)

PIPE DESIGNATION	HORIZONTAL SUCTION	VERTICAL SUCTION RISER AS REQUIRED	LIQUID	ESTIMATED TOTAL LENGTH
****/~C03	2-1/8	^2-1/8	1-5/8	150
****C03a	2-1/8	^2-1/8	1-3/8	5
****C03b	2-1/8	^2-1/8	1-3/8	5

1) ESTIMATED TOTAL LENGTH INCLUDES HORIZONTAL AND VERTICAL PIPE SECTIONS. THIS IS ONLY AN ESTIMATE AND ACTUAL LENGTH WILL VARY.

2) ALL EXISTING PIPE SIZES ARE BASED ON ORIGINAL REFRIGERATION LEGENDS

~CONTRACTOR SHALL ROUTE TWO SUCTION LINES BACK TO RACK HEADER AT SPECIFIED SIZE.
**** NEW PIPING
^^ NEW PIPING CONNECTED TO EXISTING PIPING TO REMAIN. REFER TO REFRIGERATION PIPING PLAN FOR APPROXIMATE LOCATION OF NEW AND EXISTING PIPING.
^ RISER SIZE IS SHOWN EVEN WHERE A RISER IS NOT EXPECTED. THIS IS FOR REFERENCE ONLY AND IS TO BE USED IN THE EVENT THAT A PIPING CONFLICT CAUSES THE NEED FOR A RISER. IF RISER LENGTH EXCEEDS 4 FEET, IT MUST BE APPROVED BY ENGINEER OF RECORD.

PIPING SCHEDULE RACK MTD (DX)

PIPE DESIGNATION	HORIZONTAL SUCTION	VERTICAL SUCTION RISER AS REQUIRED	LIQUID	ESTIMATED TOTAL LENGTH
****/~D06	2-1/8	^2-1/8	1-5/8	150
****D06a	2-1/8	^2-1/8	1-3/8	5
****D06b	2-1/8	^2-1/8	1-3/8	5

1) ESTIMATED TOTAL LENGTH INCLUDES HORIZONTAL AND VERTICAL PIPE SECTIONS. THIS IS ONLY AN ESTIMATE AND ACTUAL LENGTH WILL VARY.

2) ALL EXISTING PIPE SIZES ARE BASED ON ORIGINAL REFRIGERATION LEGENDS

~CONTRACTOR SHALL ROUTE TWO SUCTION LINES BACK TO RACK HEADER AT SPECIFIED SIZE.
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PIPING SCHEDULE RACK MTD (GLYCOL)

PIPE DESIGNATION	GPM	SUPPLY AND RETURN SIZE	LENGTH HORIZONTAL	LENGTH VERTICAL
1D-GLY	43.4	4	10	5
1.01D-GLY	36.0	2-1/2	85	0
D01-GLY	12.0	1-1/4	10	10
D06-GLY	12.0	1-1/4	15	10
D07-GLY	12.0	1-1/4	30	10
1.1D-GLY	7.4	1-1/2	74	1
1.11D-GLY	3.1	1	4	1
D02-GLY	0.9	3/4	15	15
D03-GLY	2.2	1	50	15
1.2D-GLY	4.3	1-1/2	49	1
D04-GLY	1.0	1	25	15
D05-GLY	1.3	1	50	15

1) RISER SIZE IS SHOWN EVEN WHERE A RISER IS NOT EXPECTED. THIS IS FOR REFERENCE ONLY AND TO BE USED IN THE EVENT THAT A PIPING CONFLICT CAUSES THE NEED FOR A RISER. IF RISER LENGTH EXCEEDS 4 FEET, IT MUST BE APPROVED BY ENGINEER OF RECORD.

2) ESTIMATED TOTAL LENGTH INCLUDES HORIZONTAL AND VERTICAL PIPE SECTIONS. THIS IS ONLY AN ESTIMATE AND ACTUAL LENGTH WILL VARY.

PIPING SCHEDULE RACK MTC (GLYCOL)

PIPE DESIGNATION	GPM	SUPPLY AND RETURN SIZE	LENGTH HORIZONTAL	LENGTH VERTICAL
1C-GLY	120.6	4	100	5
1.01CG	81.6	3	23	1
C01-GLY	17.0	2	20	15
1.02C-GLY	64.6	3	20	0
C02-GLY	20.4	2	20	15
1.03C-GLY	44.2	3	140	0
1.04C-GLY	6.2	1-1/2	4	1
C03-GLY	2.0	1	30	15
C04-GLY	4.2	1-1/2	10	15
C05-GLY	36.0	3	150	15
1.1C-GLY	39.0	2-1/2	15	0
C06-GLY	30.6	2-1/2	40	15
1.2C-GLY	8.4	1-1/2	8	0
C07-GLY	1.1	1	20	15
1.3C-GLY	7.3	1-1/2	20	0
C08-GLY	1.3	1	25	15
1.4C-GLY	6.0	1-1/2	35	0
C09-GLY	2.0	1	30	15
C10-GLY	2.0	1	65	15

1) RISER SIZE IS SHOWN EVEN WHERE A RISER IS NOT EXPECTED. THIS IS FOR REFERENCE ONLY AND TO BE USED IN THE EVENT THAT A PIPING CONFLICT CAUSES THE NEED FOR A RISER. IF RISER LENGTH EXCEEDS 4 FEET, IT MUST BE APPROVED BY ENGINEER OF RECORD.

2) ESTIMATED TOTAL LENGTH INCLUDES HORIZONTAL AND VERTICAL PIPE SECTIONS. THIS IS ONLY AN ESTIMATE AND ACTUAL LENGTH WILL VARY.

PIPING SYMBOLS

*	MODIFY CIRCUIT
**	NEW CASE, COIL, CIRCUIT OR VALVE
****	CHANGE EXISTING PIPE SIZE AS INDICATED
^^	NEW PIPING CONNECTED TO EXISTING PIPING TO REMAIN. REFER TO REFRIGERATION PIPING PLAN FOR APPROXIMATE LOCATION OF NEW AND EXISTING PIPING.
^	RISER SIZE IS SHOWN EVEN WHERE A RISER IS NOT EXPECTED. THIS IS FOR REFERENCE ONLY AND IS TO BE USED IN THE EVENT THAT A PIPING CONFLICT CAUSES THE NEED FOR A RISER. IF THE RISER LENGTH EXCEEDS 4 FEET, IT MUST BE APPROVED BY ENGINEER OF RECORD.
#	CONTRACTOR TO FIELD VERIFY EXISTING RISER SIZE. IF EXISTING PIPE SIZE DOES NOT MATCH SCHEDULE, REPLACE EXISTING RISER WITH NEW SIZE AS SHOWN.

EPA CLEAN AIR ACT

COMPLY WITH CLEAN AIR ACT, TITLE VI, SECTION 608 AND CODE OF FEDERAL REGULATION TITLE 40, PART 82 WHEN ADDING OR REMOVING REFRIGERATED EQUIPMENT. RECORD ALL EQUIPMENT IDENTIFICATION NUMBERS, MODEL AND SERIAL NUMBERS, THE AMOUNT OF REFRIGERANT RECOVERED FROM EACH UNIT, THE DATE OF DECOMMISSIONING, COMPANY NAME AND SIGNATURE OF ON-SITE SUPERVISOR.

11.02.10

KEYNOTES

10.12.17

15.602 SUPPORT HORIZONTAL RUNS OF REFRIGERANT LINES ON 1-5/8" X 1-5/8" UNISTRUT CHANNELS ON MAXIMUM OF 6 FOOT CENTERS.

15.604 PROVIDE AIRTIGHT SEAL AROUND ALL PIPING AND BOLT PENETRATIONS THROUGH COOLER/FREEZER BOX WALLS OR CEILINGS.

15.605 SUPPORT EVAPORATORS WITH BOLTS THROUGH ROOF TO 1-5/8" X 1-5/8" X 10' LONG 14 GA. GALVANIZED UNISTRUT SPANNING THREE ROOF PANELS. PROVIDE DOUBLE NUTS ON EACH BOLT.

15.606 CONDENSATE DRAIN; PITCH DRAIN LINES DOWN APPROXIMATELY 1/8" PER 12" TOWARD DRAIN. PROVIDE COPPER PIPING WITH ELECTRIC HEAT TAPE AND INSULATION ON ALL CONDENSATE LINES EXPOSED TO FREEZING TEMPERATURES.

15.607 SEE SCHEDULES FOR EVAPORATOR TYPES, SIZES, AND CAPACITIES; CONTROL METHOD; AND ALL REFRIGERATION PIPING SIZES, ETC.

15.609 PROVIDE PVC DRAIN LINE FROM EACH CASE DRAIN CONNECTION SAME SIZE AS CASE OUTLET, AND END OVER FLOOR RECEPTOR W/AIR GAP; PITCH DRAINS 1/8" PER 12". PROVIDE DRAIN COVER GRATE TO MATCH EXISTING. CONTRACTOR SHALL ENSURE RECEPTOR(S) AND DRAIN LINE(S) SERVING CASE LINE-UP ARE FREE OF OBSTRUCTIONS AND FUNCTION PROPERLY. WHERE EXTENSIVE DAMAGE EXISTS AND/OR PROPER DRAINAGE CANNOT BE OBTAINED COORDINATE WITH WALMART MECHANICAL CONSTRUCTION MANAGER.

15.621 REFRIGERATION CONTRACTOR SHALL RECEIVE, SET EQUIPMENT IN PLACE, LEVEL AND START UP OWNER'S SELF-CONTAINED REFRIGERATED EQUIPMENT. INSTALLATION AND START-UP SHALL BE IN STRICT CONFORMANCE WITH THE EQUIPMENT MANUFACTURER'S WRITTEN INSTALLATION AND START-UP INSTRUCTIONS. CONTRACTOR SHALL VERIFY CASE OPERATION AND NOTIFY WALMART MECHANICAL CONSTRUCTION MANAGER IF EQUIPMENT IS NOT OPERATING PROPERLY.

REFRIGERATION SYMBOLS

01.31.18

X-## / # XXX	CIRCUIT NUMBER (CIRCUIT INFO) QUANTITY & MODEL NUMBER
CO	CLEANOUTS (CO)
	CONDENSATE DRAIN LINE (CD)
	CONNECT TO EXISTING
	CONTINUATION
#/X#	DETAIL NUMBER / SHEET NUMBER (DETAIL REFERENCE)
	EVAPORATOR COIL
	ISOLATION VALVE
	SOLENOID VALVE
	EVAPORATOR PRESSURE REGULATOR
	BALANCING VALVE
	ELBOW - TURNED DOWN
	ELBOW TURNED UP
##.####	REFRIGERATION KEYNOTE REFERENCE
	REFRIGERATION PIPING (ABOVE)
	REFRIGERATION PIPING (BELOW)
	DEMO REFRIGERATION PIPING
ETR	EXISTING TO REMAIN
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
SIM	SIMILAR

GENERAL NOTES

01.31.18

1. PLANS INDICATE GENERAL ROUTING OF REFRIGERANT LINES, WITH A SINGLE LINE SHOWN INDICATING BOTH SUCTION AND LIQUID LINE ROUTING FOR EACH SYSTEM.
2. REFRIGERATION SYSTEM INSTALLATION SHALL BE IN COMPLETE CONFORMANCE WITH SPECIFICATIONS, AND WITH ALL REQUIREMENTS OF REFRIGERATION EQUIPMENT MANUFACTURER.
3. REFRIGERATION DRAWINGS ARE PROVIDED AS AN AID TO BIDDERS AND TO INDICATE DESIRED ROUTING OF REFRIGERATION LINES; CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR CORRECT INSTALLATION OF PIPING AND ACCESSORIES TO PROVIDE A COMPLETE AND FULLY OPERATING SYSTEM.
4. REFER TO SPECIFICATION 15600 FOR INSULATION THICKNESS. INSIDE DIAMETER OF INSULATION SHALL MATCH PIPE DIAMETER TO MINIMIZE AIR GAPS BETWEEN PIPING AND INSULATION. PROVIDE FACTORY PRE-MANUFACTURED FITTINGS AT ALL TRAPS AND ELBOWS. WHERE PRE-MANUFACTURED FITTINGS ARE UNAVAILABLE MITER CUT ALL FITTINGS TO ENSURE PROPER SEAL BETWEEN INSULATION SEGMENTS.
5. PIPE INSULATION SHALL MATCH EXISTING COLOR UNLESS NOTED OTHERWISE ON PLANS OR SPECIFICATIONS.
6. COORDINATE REFRIGERATION DEMOLITION ISSUES WITH THE ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL PLANS FOR REFRIGERATION EQUIPMENT DEMOLITION AND COOLER REPAIR AND REMODELING.
7. REFRIGERATION SYSTEM SHALL REMAIN OPERATIONAL DURING REMODELING. DURING THE PHASING OF OLD TO NEW SYSTEMS, BOTH NEW AND OLD REFRIGERATION SYSTEMS MAY BE REQUIRED TO OPERATE AT THE SAME TIME FOR A SHORT PERIOD.
8. WHERE NEW REFRIGERATED EQUIPMENT IS INDICATED ON THE DRAWINGS, PROVIDE DEMOLITION, REMOVAL, AND TEMPORARY STORAGE OF OLD EQUIPMENT PER WALMART MECHANICAL SERVICES CONSTRUCTION MANAGER'S INSTRUCTIONS, AND REFRIGERATION DEMO NOTES.
9. COORDINATE REMOVAL AND DISPOSAL OF EXISTING EVAPORATORS, REFRIGERATED CASES, AND CONDENSING UNITS, WITH WALMART MECHANICAL SERVICES CONSTRUCTION MANAGER.
10. REMOVE COPPER LINES, EVAPORATORS, AND CONDENSATE LINES FROM COOLERS/ FREEZERS BEING REMOVED FROM SITE. COORDINATE WITH WALK-IN PANEL VENDOR FOR TIME LINE OF REPLACEMENT. REFERENCE SPECIFICATION FOR CONTACT INFORMATION.
11. WALK-IN PANEL VENDOR SHALL PROPERLY PREPARE ALL COOLER/FREEZER PANELS, GLASS DOORS, SLIDER OR SWING DOORS, PALLETIZE, AND PREPARE THE EQUIPMENT TO SHIP OFF SITE.
12. COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR THE REMOVAL OF SPRINKLERS FOR ALL REMOVED COOLER/FREEZER BOXES.
13. COORDINATE WITH ELECTRICAL CONTRACTOR FOR THE REMOVAL OF ALL REMOVED COOLER/FREEZER BOXES ELECTRICAL WIRING DEVICES.
14. COORDINATE WITH BAS CONTRACTOR FOR THE REMOVAL OF ALL REMOVED COOLER/FREEZER BOXES BAS WIRING AND DEVICES.
15. EXISTING REFRIGERATION PIPING MAY BE RE-USED UNLESS OTHERWISE NOTED ON PLANS. REFER TO SCHEDULES FOR PIPE SIZE REQUIREMENTS.
16. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
17. IF ANY RACK SYSTEMS WILL BE OPENED TO ADD OR REPLACE CASES, EVAPORATORS, ETC. THEN 24 TO 48 HOURS AFTER THE WORK IS COMPLETED AND ALL FINAL ADJUSTMENTS HAVE BEEN MADE, PROVIDE AND CHANGE LIQUID LINE FILTER CORES, OIL SYSTEM FILTER USING SPORLAN OF STYLE FILTER, AND REPLACE SUCTION FILTERS. FILTERS ARE TO BE RATED FOR WAX REMOVAL. CONTRACTOR TO PROPERLY DISPOSE OF OIL AND COMPONENTS REPLACED. REFER TO SPECIFICATION 15600.
18. REFER TO GROCERY ARCHITECTURAL DRAWINGS FOR ADDITIONAL WORK BY REFRIGERATION CONTRACTOR.
19. COMPLETE ASSET TAGGING PROCESS FOR ALL NEW REFRIGERATED CASES. REFER TO SPECIFICATIONS.

REMOVE EXISTING REFRIGERATION EQUIPMENT NOTED FOR DEMO OR REPLACEMENT, INCLUDING (BUT NOT LIMITED TO): REFRIGERATED CASES, WALK-IN COILS, ASSOCIATED VALVES, REFRIGERATION AND CONDENSATE PIPING, HANGERS AND SUPPORTS, AND CONTROLS NOT BEING REUSED. COORDINATE DISPOSAL OF EQUIPMENT WITH CONSTRUCTION MANAGER. PATCH PENETRATIONS TO MATCH EXISTING. REFER TO ARCHITECTURAL DRAWINGS.

24 HOURS PRIOR TO SHUTTING DOWN ANY REFRIGERATION SYSTEMS, HVAC SYSTEMS OR BUILDING AUTOMATION CONTROLS SYSTEMS, SEND EMAIL TO NSRM@WALMART.COM. THE E-MAIL SHALL STATE WHAT, WHY, AND WHEN IT IS BEING SHUT DOWN AND HOW LONG IT IS ANTICIPATED TO BE SHUT DOWN. THEN SEND A FOLLOW UP EMAIL TO NSRM@WALMART.COM AFTER THE WORK IS COMPLETE AND THE SYSTEM IS BACK UP AND RUNNING.

ALL EXISTING REFRIGERATED CASES ARE TO REMAIN UNLESS NOTED OTHERWISE.

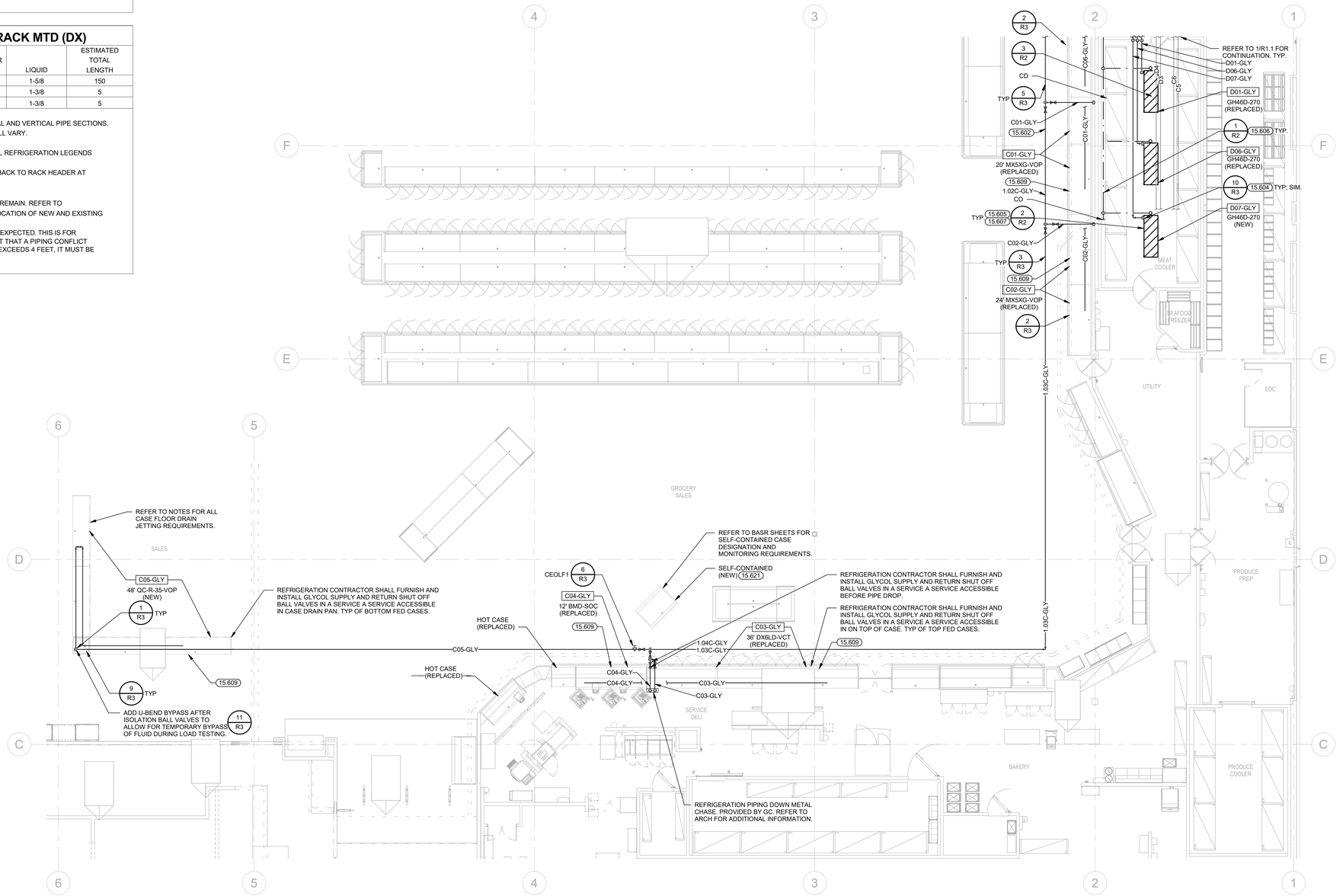
COORDINATE LOCATION OF REFRIGEATED CASES WITH PLUMBING CONTRACTOR PRIOR TO CUTTING OF FLOOR AND SETTING DRAINS.

REFRIGERATION CONTRACTOR IS RESPONSIBLE FOR ALL FINAL REFRIGERATION ELECTRICAL TERMINATIONS TO REFRIGERATION EQUIPMENT.

DISCONNECT AND RECONNECT REFRIGERATED CASE(S) AS REQUIRED FOR INSTALLATION OF NEW PIT AND TUNNEL FOR NEW REFRIGERATED CASE(S). COORDINATE SCHEDULE WITH WALMART CONSTRUCTION MANAGER.

PRIOR TO SETTING NEW REFRIGERATED CASES, THOROUGHLY CLEAN ALL DEBRIS FROM FLOOR DRAIN AND/OR FLOOR SINK GRATES AND BODIES. HYDRO-JET EACH FLOOR DRAIN AND/OR FLOOR SINK TO THE MAIN.

PRIOR TO STARTING DEMOLITION WORK, PLUG ALL FLOOR DRAINS AND/OR FLOOR SINKS UNDER REFRIGERATED CASES TO BE REPLACED WITH EXPANDABLE MECHANICAL PLUG (SIMILAR TO CHERNE ECON-O-GRIP). AFTER WORK IN THE AREA IS COMPLETE, AND PRIOR TO SETTING NEW REFRIGERATED CASES, THOROUGHLY CLEAN ALL DEBRIS FROM FLOOR DRAIN AND/OR FLOOR SINK GRATES AND BODIES, REMOVE PLUG AND HYDRO-JET EACH FLOOR DRAIN AND/OR FLOOR SINK TO THE MAIN. CAMERA SCOPE MAIN LINE TO CONFIRM LINE IS CLEAR. IF MAIN LINE HAS ANY OBSTRUCTIONS, COORDINATE SOW WITH CM AS AN ADDITIONAL SERVICE.



1 FRONT REFRIGERATION PLAN
1/8" = 1'-0"

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JOB NUMBER: 192.SC

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DOCUMENT DATE:	05/10/24

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BRIAN A. HAGIN STATE OF WASHINGTON 31035 REGISTERED PROFESSIONAL ENGINEER
8/22/2024

REFRIGERATION PLANS AND PIPING SCHEDULES

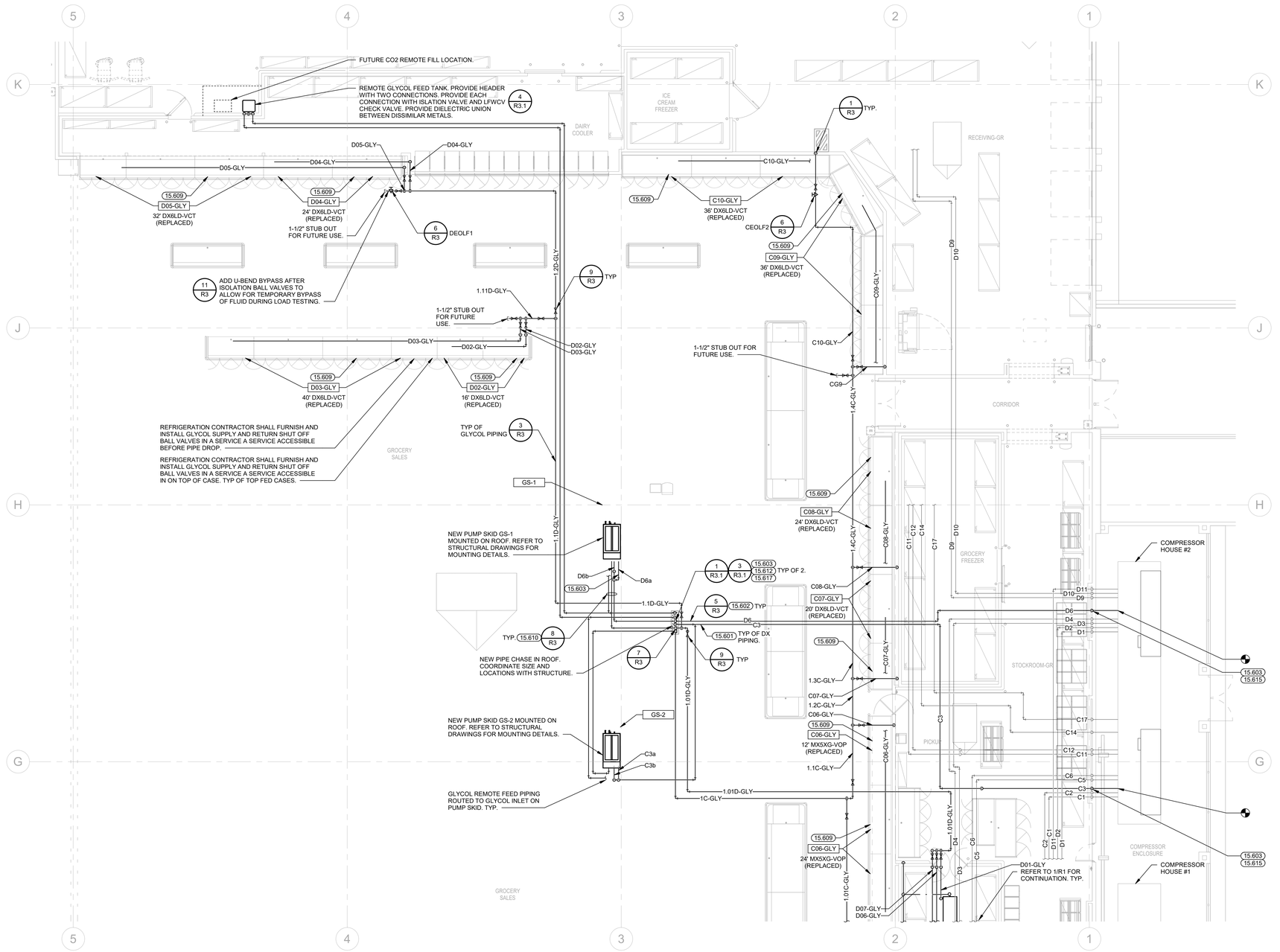
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WHEN REPLACING MULTI-DECK CASES AND DOOR CASES, AND REUSING PIPING; RE-INSULATE THE REFRIGERATION PIPING BEHIND THE CASES. THIS APPLIES TO THE PIPING FOR THE CASES BEING REPLACED AND TO EXPOSED PIPING FOR ADJACENT CASES. IT ONLY APPLIES TO THAT PORTION OF THE PIPING THAT IS ACCESSIBLE WITHOUT DISTURBING EXISTING CASES TO REMAIN AND THAT IS NOT INSIDE OR PART OF A REFRIGERATION RISER IN A CHASE. REFER TO GENERAL PIPING RE-INSULATION NOTES. TYP.



1 REAR REFRIGERATION PLAN
1/8" = 1'-0"

RE-INSULATION SCOPE OF WORK

07.17.17

1. WHEN REPLACING, REMOVING, OR RELOCATING MULTI-DECK AND DOOR CASES, RE-INSULATE ANY EXISTING OR REUSED PIPING LOCATED BEHIND THE AFFECTED CASES. THIS APPLIES TO PIPING SERVING THE AFFECTED CASES AND ANY ETR ADJACENT CASES. CONTRACTOR TO INSPECT CONDITION OF INSULATION LOCATED IN THOSE CHASES EXPOSED BY CASE AND WALK-IN WORK, AND RE-INSULATE CHASE PIPING AT THE DIRECTION OF THE OWNER'S MECHANICAL CONSTRUCTION MANAGER.

GENERAL PIPING RE-INSULATION NOTES

RE-INSULATION NOTES ARE APPLICABLE FOR PIPING THAT IS INDICATED TO BE RE-INSULATED, OR PIPING THAT REQUIRES RE-INSULATION DUE TO MODIFICATIONS SHOWN ON PLANS. REFER TO SPECIFICATIONS FOR NEW PIPING INSULATION REQUIREMENTS.

1. REFER TO SPECIFICATION 15600 FOR INSULATION AND JACKETING REQUIREMENTS. INSIDE DIAMETER OF INSULATION SHALL MATCH PIPE DIAMETER TO MINIMIZE AIR GAPS BETWEEN PIPING AND INSULATION. PROVIDE FACTORY PRE-MANUFACTURED FITTINGS AT ALL TRAPS AND ELBOWS. WHERE PRE-MANUFACTURED FITTINGS ARE UNAVAILABLE, MITER CUT ALL FITTINGS TO ENSURE PROPER SEAL BETWEEN INSULATION SEGMENTS.
2. ALL SALES FLOOR WORK SHALL BE PERFORMED AT NIGHT AND/OR ACCOMODATE STORE MANAGER AS THEY DIRECT. DETERMINE THIS ASPECT PRIOR TO BID.
3. PIPE INSULATION SHALL BE BLACK. REFER TO SPECIFICATION 15600.
4. KEEP SEAMS AT OR NEAR 12 O'CLOCK POSITION. USE NOMACO K-FLEX R320 (YELLOW), R620 (BLACK), OR ARMAFLEX 520 INSULATION ADHESIVE ON BUTT JOINTS.
5. PUMP DOWN, DEFROST, AND CLEAN OLD COPPER BEFORE REINSULATING. IF POSSIBLE, DO NOT CUT ANY COPPER. CONTACT OWNER'S MECHANICAL CONSTRUCTION MANAGER IF COPPER MUST BE CUT.
6. INSTALL WITH VAPOR STOPS AT EVERY 18' OF INSULATION RUNS. (GLUE INSULATION TO PIPE BY APPLYING 2" BAND OF INSULATION ADHESIVE TO THE COPPER PIPING EVERY 18').
7. FREEZER WALK-INS AND LT CASE PENETRATIONS REQUIRE THE HOLE TO BE PATCHED WITH 26 GAUGE GALVANIZED SHEET METAL TRIM, FOAM SEALED AND TRIMMED FLUSH, THEN COATED WITH SILICONE SEALANT ON BOTH THE INSIDE AND OUTSIDE OF THE BOX.
8. INSTALL PIPE INSULATION IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
9. REPLACE ALL PIPE SADDLES WITH PREMANUFACTURED PIPE SADDLE SECURED TO UNISTRUT OF ADEQUATE SIZE TO ACCOMMODATE NEW INSULATION THICKNESS. COORDINATE WITH OWNER'S MECHANICAL CONSTRUCTION MANAGER THE EXTENT OF REPLACEMENT.

KEYNOTES

15.601 SLOPE REFRIGERANT LINES BACK TO COMPRESSORS AT 1" PER 20' OF RUN. LOCATE HIGHEST POINT OF REFRIGERATION LINES JUST BELOW BOTTOM CHORD OF JOIST OR BEAM. COORDINATE ELEVATION TO AVOID CONFLICTS WITH DUCTWORK, LIGHTING, SKYLIGHTS, ETC.

15.602 SUPPORT HORIZONTAL RUNS OF REFRIGERANT LINES ON 1-5/8" X 1-5/8" UNISTRUT CHANNELS ON MAXIMUM OF 6 FOOT CENTERS.

15.603 AT ALL POINTS WHERE SUCTION LINES RISE, PROVIDE A SUCTION LINE TRAP AT THE BASE OF THE RISER.

15.609 PROVIDE PVC DRAIN LINE FROM EACH CASE DRAIN CONNECTION SAME SIZE AS CASE OUTLET, AND END OVER FLOOR RECEPTOR W/AIR GAP, PITCH DRAINS 1/8" PER 12". PROVIDE DRAIN COVER GRATE TO MATCH EXISTING. CONTRACTOR SHALL ENSURE RECEPTOR(S) AND DRAIN LINE(S) SERVING CASE LINE-UP ARE FREE OF OBSTRUCTIONS AND FUNCTION PROPERLY. WHERE EXTENSIVE DAMAGE EXISTS AND/OR PROPER DRAINAGE CANNOT BE OBTAINED COORDINATE WITH WALMART MECHANICAL CONSTRUCTION MANAGER.

15.610 PROVIDE 0.020" PVC JACKET ON ALL REFRIGERATION LINES EXTERIOR TO BUILDING.

15.612 PROVIDE INTERMEDIATE SUCTION LINE TRAP IN WALL OR VOID SPACE. INTERMEDIATE TRAP SHOULD BE PLACED AT THE MIDPOINT OF ANY SUCTION LINE RISE WHICH EXCEEDS 16 FEET.

15.615 UTILIZE EXISTING ROOF OPENING AS INDICATED WHEN POSSIBLE. IF LARGER OPENING IS REQUIRED REINFORCE ROOF STRUCTURE AS NECESSARY, CUT THE ROOF FOR THE REFRIGERATION PIPE PENETRATION, AND SUPPLY THE PIPE PENETRATION RAIN HOOD. PROPERLY FLASH, PATCH, AND REPAIR ROOF AS REQUIRED FOR NEW PENETRATION. SEAL THE ROOF OPENING WITH FOAM AS SOON AS THE PIPING THROUGH THE ROOF OPENING IS COMPLETE.

15.617 COORDINATE REFRIGERATION LINE PENETRATIONS THROUGH ROOF. REINFORCE ROOF STRUCTURE AS NECESSARY. CUT ROOF OPENING FOR THE REFRIGERATION PIPE PENETRATION AND SUPPLY ROOF CURB WITH WEATHERTIGHT SHEETMETAL COVER. PROPERLY FLASH, PATCH, AND REPAIR ROOF AS REQUIRED FOR NEW PENETRATION. COORDINATE EXACT SIZE AND LOCATION OF ROOF PENETRATIONS WITH STRUCTURAL DRAWINGS.

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8/22/2024

REAR REFRIGERATION AND DETAILS

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GLYCOL SKID SCHEDULE

MARK	REFRIGERATION SYSTEM SERVED	MANUFACTURER	Model	Skid Capacity (MBH)	Design Capacity (MBH)	Skid Max Flow (GPM)	Skid Design Flow (GPM)	Skid Max Head (FT)	Skid Max RPM	V/PH	MCA	MOPD
GS-1	MTD	RAE Corporation	WMT-SEC-GLY-20/95	308.2	91.7	95	29.1	100	3530	480/3	15	20
GS-2	MTC	RAE Corporation	WMT-SEC-GLY-32/95	432.5	267.6	180	120.8	100	3530	480/3	25	30

GENERAL NOTES:
1. UNIT DESIGN HEAD AND RPM ARE ESTIMATES TO ASSIST WITH UNIT STARTUP.
2. UNIT SUPPLIED BY MANUFACTURER WITH SHIP LOOSE SPOOLS. FIELD INSTALLED BY CONTRACTOR.
3. CONVENIENCE RECEPTACLE FILED PROVIDED BY CONTRACTOR. REFER TO MAUFACTURER'S ONE-LINE DIAGRAM CONNECTION TO SKID CIRCUITRY.
4. ROOF CURB AND ANCHOR BRACKETS FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. IF UNITS ARE TO BE INSTALLED WITHIN 5 MILES OF ANY SALT OR BRACKISH WATER, UNITS SHALL BE FURNISHED WITH FACTORY CORROSION PROTECTION OPTIONS PER EQUIPMENT SPECIFICATION.
6. UNITS SHALL BE FURNISHED WITH ACCESS DOORS OVER EACH COIL AND FILTER TO ALLOW REMOVAL AND CLEANING.

OWNER FURNISHED WALK-IN EVAPORATOR COIL SCHEDULE

Manufacturer	VENDOR	Type	VOLTAGE	QTY	NOTES
KRACK	HUSSMANN CORPORATION	GH46D-270	208 V	3	A

GENERAL INFORMATION (ALL COILS):
1. COILS FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.
2. INFORMATION CONTAINED WITHIN THIS SCHEDULE IS FOR OWNER'S PURCHASING REPRESENTATIVE. REFER TO REFRIGERATION SCHEDULE(S) FOR SPECIFIC INFORMATION REGARDING EQUIPMENT.
3. SUPPLIER SHALL VERIFY PRODUCT REQUIREMENTS INCLUDING BUT NOT LIMITED TO LIQUID TO SUCTION HEAT EXCHANGER, EXPANSION DEVICE TYPE, ELECTRICAL REQUIREMENTS, ETC. WITH REFRIGERATION SCHEDULE(S).

NOTES:

A. EVAPORATOR COIL SHALL BE FURNISHED WITH FACTORY INSTALLED VALVES, SENSORS, TRANSDUCERS, AND ALL OTHER APPURTENANCES, AS OUTLINED IN THE 15699 EQUIPMENT SPECIFICATION, INCLUDING: ELECTRONIC EXPANSION VALVE (EEV), SCHRADER VALVES (TWO IN THE SUCTION LINE, ONE IN THE LIQUID LINE, UPSTREAM OF THE EEV), SUCTION PRESSURE TRANSDUCER, AIR TEMPERATURE SENSOR, SUCTION TEMPERATURE SENSOR, DEFROST TERMINATION TEMPERATURE SENSOR AND ALL OTHER COMPONENTS. REFER TO DETAILS FOR FIELD INSTALLED CONTROL WIRING BETWEEN EVAPORATOR COIL AND WALK-IN UNIT CONTROLLER.

REFRIGERATION SCHEDULE - EXISTING RACK MTC

Format: SC | Store#: 02403 | System Type: **Rackhouse** | **Secondary Refrigerant: 35% Glycol** | Refrig. EMS: Novar | Condenser Type: Air | H/R Media: N/A | Subcooler Liquid Temps | SG1 Comp RGT °F: -- | DESIGN DB °F : 100 | EXTERIOR DRY BULB (DB) °F : 98.7

Proto Size: 192 | City/State: Puyallup, WA | Consultant: Hargis Engineers | Primary Refrigerant: R404a | System Elec: 460V 3Ph 60 Hz | Sat. Cond. Temp °F: 115 | H/R Use: N/A | SG1 Liq Temp °F: -- | SG2 Comp RGT °F: -- | DESIGN WB °F : -- | Based on 5 yr Extreme DB-ASHRAE Pub.: 2021

Proto Cycle Date: 03/29/2024 | Date Prepared: 05/01/2024 | Prepared by: Jordan Crowe | Estimated Refrigerant Charge: -- | Defrost Elec: 208V 60 Hz 1 or 3Ph | Cond Design TD °F: 15 | H/R Water GPM: -- | SG2 Liq Temp °F: -- | SG3 Comp RGT °F: -- | DESIGN INTERIOR DRY BULB °F : 75 | EXTERIOR WET BULB (WB) °F : 71.4

Rack and Condenser (lbs): -- | Sys.Pilot Elec: 208V 1Ph | Summer H/R Avail: N/A | H/R Glycol Type: N/A | SG3 Liq Temp °F: -- | Evap. Superheat °F: -- | DESIGN INTERIOR RH %: 55% | Based on 0.4% Monthly Max WB-ASHRAE Pub.: 2021

Fixture and Field Piping (lbs): -- | Cond. Elec: 460V 3Ph 60 Hz | Winter H/R Avail: N/A | H/R Glycol %: N/A | ASHRAE Design Conditions Weather Station: Pierce County AP, WA WMO: 720388 | ELEVATION ft: 539 | Climate Zone: 4C

CIRCUIT INFORMATION | FIXTURE ELECTRICAL INFORMATION | MISC INFORMATION

CKT #	Case Fixture Length / Quantity: FT /# of Doors	2 Dr/4'	3 Dr/6'	4 Dr/8'	5 Dr/12'	Walk-In Box Size: L	W	H	Case/Coil Model	Case/Coil Manuf.	Application	LSHX Y or N? & Model # W/ Evaps	Evaporator Coil TXV / Distributor Nozzle	Sub-Circuit Load (MBH)	Circuit Load (MBH)	Evap. SST	Case/ Walk-In Air Temp	Glycol Flow (GPM)	Circuit Control Valves: EPR	LLSV	Defrost Type	Defrost Heaters: Amps	Defrost Heaters: Voltage	Fans: Amps	Fans: Voltage	Lights Amps (120v)	Anti-Sweat Amps (120v)	Drain Pan Amps (120v)	Comments	Equip Number	CKT #
**C01-GLY	20 FT			1	1				**MMXG-VOP	KYSOR/WARREN	**M/D Fresh Meat	-	-	-	29.4	-	28	17.0	-	-	OT	-	-	2.3	120/1	2.7	-	-	NEW GLYCOL CASES	RS4038.352 - 09/28/2023	**C01-GLY
**C02-GLY	24 FT				1				**MXXG-VOP	KYSOR/WARREN	**M/D Fresh Meat	-	-	-	35.3	-	28	20.4	-	-	OT	-	-	3.0	120/1	3.2	-	-	NEW GLYCOL CASES	RS4038.352 - 09/28/2023	**C02-GLY
**C03-GLY	36 FT				3				**DXILD-VCT	KYSOR/WARREN	M/D Deli	-	-	-	11.1	-	32	2.0	-	-	OT	-	-	1.7	120/1	1.2	-	-	NEW GLYCOL CASES	RS3007.042 - 11/13/2023	**C03-GLY
**C04-GLY	12 FT				1				**RMD-SOC	HILLPHOENIX	Service Deli	-	-	-	8.3	-	28	4.2	-	-	OT	-	-	1.0	120/1	0.7	-	-	NEW GLYCOL CASES	RS2005.842 - 04/24/2024	**C04-GLY
**CEOLF1											End of Loop Flow	-	-	-	-	-	-	2.0	-	-		-	-	-	-	-	-	-	-		**CEOLF1
**C05-GLY	48 FT			4					**QC-R-35-VOP	HILLPHOENIX	Grab n' Go	-	-	-	60.3	-	32	36.0	-	-	OT	-	-	7.2	120/1	3.8	-	-	NEW GLYCOL CASES	RS1569.652 - 12/06/2023	**C05-GLY
**C06-GLY	36 FT			3					**MXXG-VOP	KYSOR/WARREN	M/D Fresh Meat	-	-	-	52.9	-	28	30.6	-	-	OT	-	-	4.5	120/1	4.9	-	-	NEW GLYCOL CASES	RS4038.352 - 09/28/2023	**C06-GLY
**C07-GLY	20 FT		1		1				**DXILD-VCT	KYSOR/WARREN	M/D Deli	-	-	-	6.2	-	32	1.1	-	-	OT	-	-	0.8	120/1	0.7	-	-	NEW GLYCOL CASES	RS3007.042 - 11/13/2023	**C07-GLY
**C08-GLY	24 FT				2				**DXILD-VCT	KYSOR/WARREN	M/D Deli	-	-	-	7.4	-	32	1.3	-	-	OT	-	-	1.1	120/1	0.8	-	-	NEW GLYCOL CASES	RS3007.042 - 11/13/2023	**C08-GLY
**C09-GLY	36 FT				3				**DXILD-VCT	KYSOR/WARREN	M/D Deli	-	-	-	11.1	-	32	2.0	-	-	OT	-	-	1.7	120/1	1.2	-	-	NEW GLYCOL CASES	RS3007.042 - 11/13/2023	**C09-GLY
**C10-GLY	36 FT				3				**DXILD-VCT	KYSOR/WARREN	M/D Deli	-	-	-	11.1	-	32	2.0	-	-	OT	-	-	1.7	120/1	1.2	-	-	NEW GLYCOL CASES	RS3007.042 - 11/13/2023	**C10-GLY
**CEOLF2											End of Loop Flow	-	-	-	-	-	-	2.0	-	-		-	-	-	-	-	-	-	-		**CEOLF2
											System Heat Gain (Pump and Piping)		-		34.5	-	-					-	-	-	-	-	-	-		-	-
															Glycol Load (MBH):	267.6	20	Glycol Temp (°F):		128.6	Glycol Total Flow (GPM):										
C1	16 / 2 FT / ENDS								ONXUMEM	HILL PHOENIX	Deli Promo Island	-	-	-	24.2	20	ETR	-	MES	SORIT12	OT	-	-	0.9	-	-	-	-	ETR	ETR	C1
C2						8	12	10	WKE103B	BOHN	Poultry Cooler	-	-	-	10.2	20	ETR	-	MES	SORIT12	OT	12.3	208/1	2.2	-	-	-	-	-	ETR	ETR	C2
*C3									-	-	Glycol Skid / GS-1	-	-	-	-	267.6	14	-	-			-	-	-	-	-	-	-		GLYCOL SKID MAIN	-	*C3
**C3a									-	-	1/2 Glycol Skid / GS-1	-	-	-	233.1	-	14	-	-	BY SKID OEM		-	-	-	-	-	-	-		GLYCOL SKID CIRCUIT 1	-	**C3a
**C3b									-	-	1/2 Glycol Skid / GS-1	-	-	-	-	-	14	-	-	BY SKID OEM		-	-	-	-	-	-	-		GLYCOL SKID CIRCUIT 2 - STUB FOR FUTURE USE	-	**C3b
*C4									-	-	Spare	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-		CASES REMOVED FROM CIRCUIT	-	*C4
C5	20 FT								B31-UN	KYSOR/WARREN	M.T. Cake	-	-	-	20.0	18	ETR	-	MES	SORIT12	EL	-	-	2.7	120/1	-	-	-	ETR	ETR	C5
C6	8 FT								LPFDT	HILL PHOENIX	Service Cake	-	-	-	6.9	18	ETR	-	MES	SORIT12		-	-	0.2	120/1	-	-	-	ETR	ETR	C6
*C7									-	-	Spare	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-		CASES REMOVED FROM CIRCUIT	-	*C7
*C8									-	-	Spare	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-		CASES REMOVED FROM CIRCUIT	-	*C8
*C9									-	-	Spare	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-		CASES REMOVED FROM CIRCUIT	-	*C9
*C10									-	-	Spare	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-		CASES REMOVED FROM CIRCUIT	-	*C10
C11	24 FT								NFN	HUSSMANN	M.T. Narrow Coffin	-	-	-	9.1	13	ETR	-	MES	SORIT12		20.6	208/1	3.0	120/1	-	-	-	ETR	ETR	C11
C12	16 / 2 FT / ENDS								NFJNFJE	HUSSMANN	M.T. Coffins W/ Ends	-	-	-	12.7	13	ETR	-	MES	SORIT15	EL	26.9	208/3	6.0	120/1	-	-	-	ETR	ETR	C12
*C13									-	-	Spare	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-		CASES REMOVED FROM CIRCUIT	-	*C13
C14	24 / 2 FT / ENDS								NFJNFJE	HUSSMANN	M.T. Coffins W/ Ends	-	-	-	16.5	13	ETR	-	MES	SORIT15		34.2	208/3	8.0	120/1	-	-	-	ETR	ETR	C14
*C15									-	-	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		CASES REMOVED FROM CIRCUIT	-	*C15
*C16									-	-	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		CASES REMOVED FROM CIRCUIT	-	*C16
C17	24 FT								NFN	HUSSMANN	M.T. Coffins W/ Ends	-	-	-	9.1	13	ETR	-	MES	SORIT12	EL	20.6	208/1	3.0	120/1	-	-	-	ETR	ETR	C17
															Total Load (MBH):	376.3	13	Saturated Suction Temp (°F):													

General Notes:
1.) Refrigeration OEM: Hussmann
2.) Lowest sp changes result in a net INCREASE of 103.5 MBH.
3.) Refer to Detail S2-1 for Secondary Glycol Schematic.
4.) *Hays secondary auto flow balance valve.

REFRIGERATION SCHEDULE - EXISTING RACK MTD

Format: SC | Store#: 02403 | System Type: **Rackhouse** | **Secondary Refrigerant: 35% Glycol** | Refrig. EMS: Novar | Condenser Type: Air | H/R Media: N/A | Subcooler Liquid Temps | SG1 Comp RGT °F: -- | DESIGN DB °F : 100 | EXTERIOR DRY BULB (DB) °F : 98.7

Proto Size: 192 | City/State: Puyallup, WA | Consultant: Hargis Engineers | Primary Refrigerant: R404a | System Elec: 460V 3Ph 60 Hz | Sat. Cond. Temp °F: 115 | H/R Use: N/A | SG1 Liq Temp °F: -- | SG2 Comp RGT °F: -- | DESIGN WB °F : -- | Based on 5 yr Extreme DB-ASHRAE Pub.: 2021

Proto Cycle Date: 03/29/2024 | Date Prepared: 05/01/2024 | Prepared by: Jordan Crowe | Estimated Refrigerant Charge: -- | Defrost Elec: 208V 60 Hz 1 or 3Ph | Cond Design TD °F: 15 | H/R Water GPM: -- | SG2 Liq Temp °F: -- | SG3 Comp RGT °F: -- | DESIGN INTERIOR DRY BULB °F : 75 | EXTERIOR WET BULB (WB) °F : 71.4

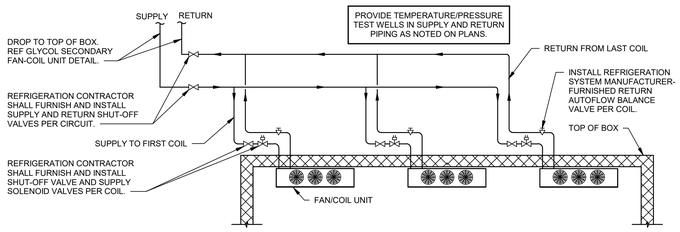
Rack and Condenser (lbs): -- | Sys.Pilot Elec: 208V 1Ph | Summer H/R Avail: N/A | H/R Glycol Type: N/A | SG3 Liq Temp °F: -- | Evap. Superheat °F: -- | DESIGN INTERIOR RH %: 55% | Based on 0.4% Monthly Max WB-ASHRAE Pub.: 2021

Fixture and Field Piping (lbs): -- | Cond. Elec: 460V 3Ph 60 Hz | Winter H/R Avail: N/A | H/R Glycol %: N/A | ASHRAE Design Conditions Weather Station: Pierce County AP, WA WMO: 720388 | ELEVATION ft: 539 | Climate Zone: 4C

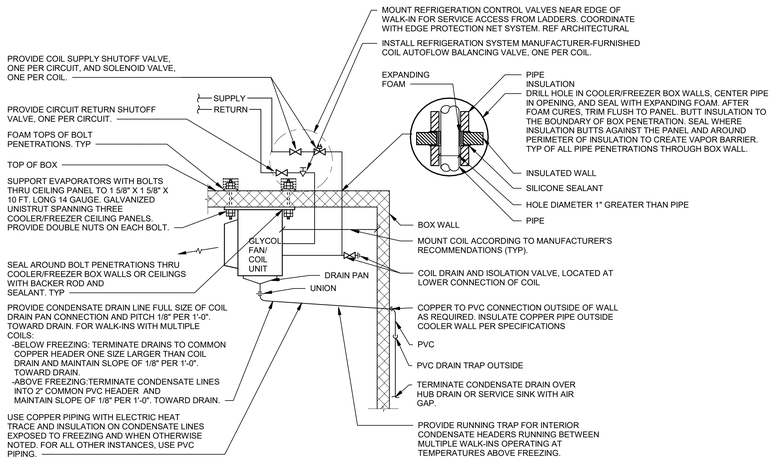
CIRCUIT INFORMATION | FIXTURE ELECTRICAL INFORMATION | MISC INFORMATION

CKT #	Case Fixture Length / Quantity: FT /# of Doors	2 Dr/4'	3 Dr/6'	4 Dr/8'	5 Dr/12'	Walk-In Box Size: L	W	H	Case/Coil Model	Case/Coil Manuf.	Application	LSHX Y or N? & Model # W/ Evaps	Evaporator Coil TXV / Distributor Nozzle	Sub-Circuit Load (MBH)	Circuit Load (MBH)	Evap. SST	Case/ Walk-In Air Temp	Glycol Flow (GPM)	Circuit Control Valves: EPR	LLSV	Defrost Type	Defrost Heaters: Amps	Defrost Heaters: Voltage	Fans: Amps	Fans: Voltage	Lights Amps (120v)	Anti-Sweat Amps (120v)	Drain Pan Amps (120v)	Comments	Equip Number	CKT #
**D01-GLY	4 FT					104	29	18	**GHA46D-270BDAA	KRACK	1/3 Meat Cooler	-	-	-	14.5	-	28	12.0	-**7520-LT	-**22EHSC2-R1021E	EL	17.4	208/1	4.4	208/1	-	-	-	NEW EVAP	-	**D01-GLY
**D02-GLY	16 FT			2					**DXILD-VCT	KYSOR/WARREN	M/D Beer	-	-	-	5.0	-	32	0.9	-	-	OT	-	-	0.6	120/1	0.6	-	-	NEW GLYCOL CASES	RS3007.042 - 11/13/2023	**D02-GLY
**D03-GLY	40 FT			2	2				**DXILD-VCT	KYSOR/WARREN	M/D Beer	-	-	-	12.4	-	32	2.2	-	-	OT	-	-	1.7	120/1	1.4	-	-	NEW GLYCOL CASES	RS3007.042 - 11/13/2023	**D03-GLY
**D04-GLY	24 FT				2				**DXIRLD-VCT	KYSOR/WARREN	M/D Rear Load Dairy	-	-	-	4.7	-	32	1.0	-	-	OT	-	-	1.1	120/1	0.8	-	-	NEW GLYCOL CASES	RS3026.042 - 02/07/2024	**D04-GLY
**D05-GLY	32 FT			1	2				**DXIRLD-VCT	KYSOR/WARREN	M/D Rear Load Dairy	-	-	-	6.2	-	32	1.3	-	-	OT	-	-	1.4	120/1	1.1	-	-	NEW GLYCOL CASES	RS3026.042 - 02/07/2024	**D05-GLY
**D06-GLY						104	29	18	**GHA46D-270BDAA	KRACK	1/3 Meat Cooler	-	-	-	14.5	-	28	12.0	-**7520-LT	-**22EHSC2-R1021E	EL	17.4	208/1	4.4	208/1	-	-	-	NEW EVAP	-	**D06-GLY
**D07-GLY						104	29	18	**GHA46D-270BDAA	KRACK	1/3 Meat Cooler	-	-	-	14.5	-	28	12.0	-**7520-LT	-**22EHSC2-R1021E	EL	17.4	208/1	4.4	208/1	-	-	-	NEW EVAP	-	**D07-GLY
**DEOLF1									-	-	End of Loop Flow	-	-	-	-	-	-	2.0	-	-		-	-	-	-	-	-	-	-		**DEOLF1
											System Heat Gain (Pump and Piping)		-		20.1	-	-					-	-	-	-	-	-	-		-	-
															Glycol Load (MBH):	91.8	20	Glycol Temp (°F):		43.4	Glycol Total Flow (GPM):										
D1	24 FT								N6DL	TYLER	MID Produce	-	-	-	38.0	19	ETR	-	ME14	SORIT20	OT	-	-	3.6	120/1	-	-	-	ETR	ETR	D1
D2	36 FT								N9DL	TYLER	MID Produce	-	-	-	57.0	19	ETR	-	ME19	SORIT20	OT	-	-	5.4	120/1	-	-	-	ETR	ETR	D2
D3						18	26	12	WK270A	BOHN	Produce Cooler	HXP250A	SSSE3C	-	21.4	25	ETR	-	ME9	SORIT12	OT	-	-	6.4	120/1	-	-	-	ETR	ETR	D3
D4						7	15	10	WK100A	BOHN	Bakery Cooler	HXR100	EGSE1C	-	10.0	25	ETR	-	ME6	SORIT12	OT	-	-	4.2	120/1	-	-	-	ETR	ETR	D4
*D5						-	-	-	-	-	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EVAPS REMOVED FROM CIRCUIT	-	*D5
*D6						-	-	-	-	-	Glycol Skid / GS-1	-	-	-	91.8	-	14	-	-	-		-	-	-	-	-	-	-		GLYCOL SKID MAIN	-	*D6
**D6a						-	-	-	-	-	1/2 Glycol Skid / GS-1	-	-	-	91.7	-	14	-	-	BY SKID OEM		-	-	-	-	-	-	-		GLYCOL SKID CIRCUIT 1	-	**D6a
**D6b						-	-	-	-	-	1/2 Glycol Skid / GS-1	-	-	-	-	-	14	-	-	BY SKID OEM		-	-	-	-	-	-	-		GLYCOL SKID CIRCUIT 2 - STUB FOR FUTURE USE	-	**D6b
*D7	20 FT					-	-	-	-	-	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		CASES REMOVED FROM CIRCUIT	-	*D7
*D8	8 FT					-	-	-	-	-	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		CASES REMOVED FROM CIRCUIT	-	*D8
D9						18	62	11	(2) ADT260A	BOHN	2/3 Dairy Cooler	HXR250A	SSSE3C	-	54.8	25	ETR	-	ME14	SORIT15	OT	-	-	21.0	120/1	-	-	-	ETR	ETR	D9
D10						18	62	11	ADT260A	BOHN	2/3 Dairy Cooler	HXR250A	SSSE3C	-	40.4	25	ETR	-	ME14	SORIT15	OT	-	-	14.7	120/1	-	-	-	ETR	ETR	D10
D11						6	36	11	ADT130A	BOHN	Dairy Cooler	HXR75	EGSE1 12C	-	-	-	-	-	-	-		-	-	-	-	-	-	-		-	-	-
D11	24 FT								N6DL	TYLER	MID Produce	-	-	-	38.00	19	ETR	-	ME14	SORIT20	OT	-	-	3.6	120/1	-	-	-	ETR	ETR	D11
*D12						-	-	-	-	-	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		CASES REMOVED FROM CIRCUIT	-	*D12
															Total Load (MBH):	351.4	13	Saturated Suction Temp (°F):													

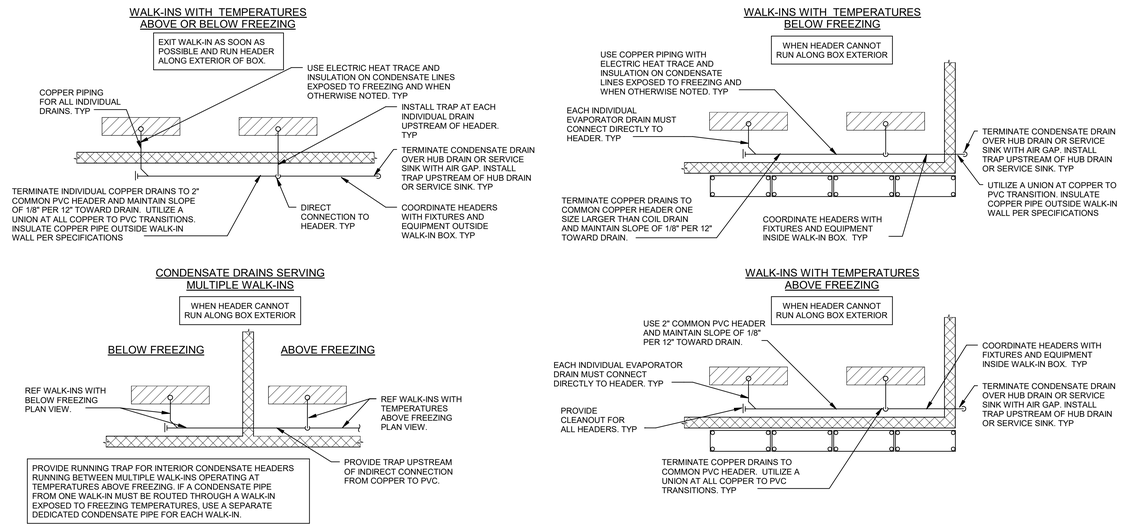
General Notes:
1.) Refrigeration OEM: Hussmann
2.) Lowest sp changes result in a net INCREASE of 103.5 MBH.
3.) Refer to Detail S2-1 for Secondary Glycol Schematic.
4.) *Hays secondary auto flow balance valve.



3 SECONDARY GLYCOL COOLING FAN-COIL PIPING
NTS



2 SECONDARY GLYCOL COOLING FAN-COIL UNIT
NTS



1 EVAPORATOR COIL CONDENSATE PIPING
NTS

11.17.17

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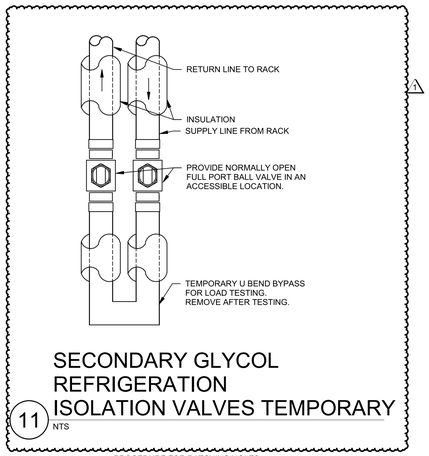
Walmart
PUYALLUP, WA
310 31ST AVE SE
STORE NO: 02403 - 254
9654624
PROTO: 192 SC
JOB NUMBER:

ISSUE BLOCK

1	PR#1	08/20/24

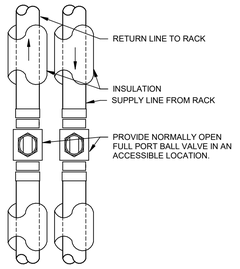
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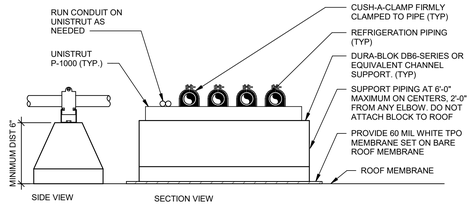
11 SECONDARY GLYCOL REFRIGERATION ISOLATION VALVES TEMPORARY

NTS



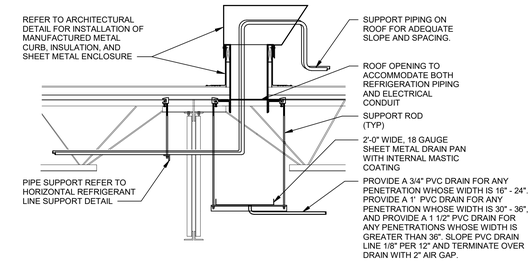
9 SECONDARY GLYCOL REFRIGERATION ISOLATION VALVES

NTS



8 REFRIGERATION PIPING SUPPORT (ON ROOF)

NTS 03/07/18

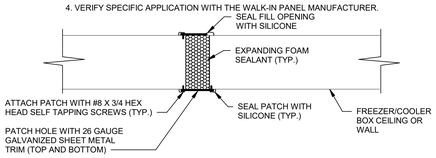


7 ROOF PENETRATION (SINGLE CIRCUIT, SECONDARY)

NTS 03/07/18

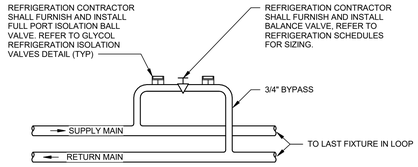
PROCEDURE FOR PATCHING HOLES:

1. ATTACH 26 GAUGE GALVANIZED SHEET METAL TRIM TO BOTTOM OF HOLE AND PARTIALLY TRIM TOP OF HOLE LEAVING 1" GAP AT TOP FOR EXPANDING FOAM SEALANT FILL.
2. FILL OPENING WITH EXPANDING FOAM SEALANT, LET EXPAND AND CURE AND TRIM EXCESS FOAM FROM FILL OPENING.
3. SEAL ALL EDGES AND EXPANDING FOAM SEALANT OPENING WITH SILICONE SEALANT.
4. VERIFY SPECIFIC APPLICATION WITH THE WALK-IN PANEL MANUFACTURER.



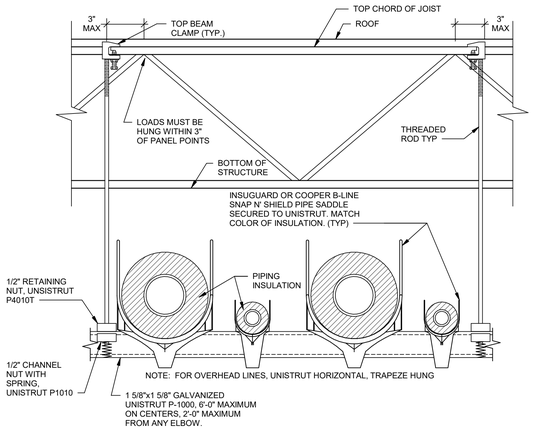
10 COOLER/FREEZER BOX PENETRATION PLUG

NTS 07.07.17



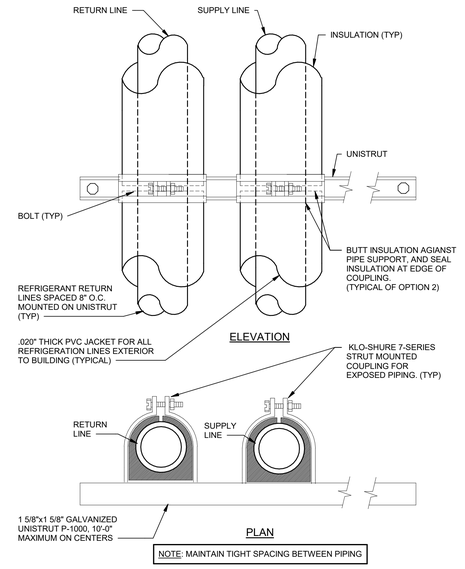
6 SECONDARY GLYCOL END-OF-LOOP BALANCE VALVE

NTS



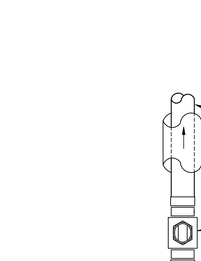
5 HORIZONTAL REFRIGERANT LINE SUPPORT DETAIL

NTS 07.07.17



4 UNISTRUT PIPING SUPPORT DETAIL (SECONDARY)

NTS 07.29.22



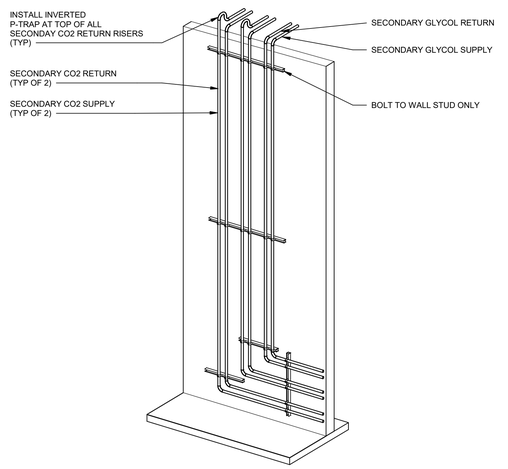
VENT & DRAIN

1. REFRIGERATION CONTRACTOR TO FURNISH AND INSTALL 3/8" VENT VALVES AT ALL HIGH POINTS OF THE PIPING TO REMOVE AIR DURING INSTALLATION AND MAINTENANCE. HIGH POINTS ARE ANY PLACE ON A REFRIGERATION LINE THAT AIR POCKETS COULD FORM. PROVIDE DROP-DOWN LINE FOR CONVENIENT ACCESS TO THE VALVE AS REQUIRED.
2. REFRIGERATION CONTRACTOR TO FURNISH AND INSTALL 1/2" DRAIN VALVES AT ALL LOW POINTS OF THE PIPING. LOW POINTS ARE DEFINED AS ANY PLACE ON A REFRIGERATION LINE THAT CAN POOL GLYCOL AS SYSTEM IS DRAINED.
3. THE VENT AND DRAIN VALVES TO HAVE THREADED CONNECTIONS FOR HOSES OR PIPES. THEY SHALL REMAIN CAPPED DURING NORMAL OPERATION.
4. AVOID CHANGE IN ELEVATION FOR THE PIPE RUN.

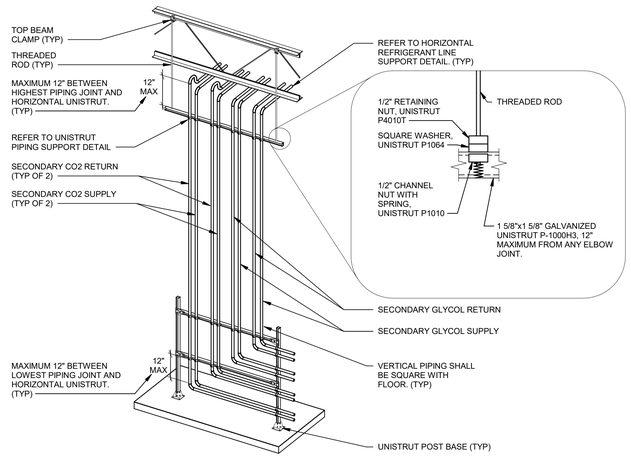
3 SECONDARY GLYCOL PIPING VENT AND DRAIN INSTALLATION

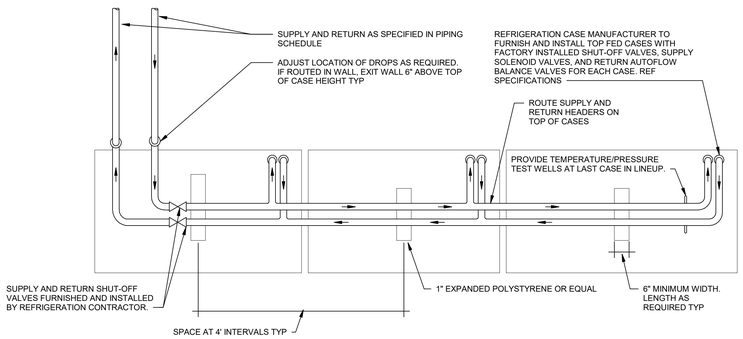
NTS

OPTION 1: VERTICAL REFRIGERATION PIPING MOUNTED TO WALL



OPTION 2: VERTICAL REFRIGERATION PIPING SUSPENDED VIA HANGERS





2 SECONDARY GLYCOL CASE PIPING

NTS

1 VERTICAL REFRIGERANT LINE SUPPORT (SECONDARY)

NTS 07/29/22

brr

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BRR ARCHITECTURE, INC
9131 METCALF AVE
SUITE 300
OVERLAND PARK, KS 66204

www.brrarch.com

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FAX: 913-262-9044

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seattle, washington 98101
t 206.448.3376 w hargis.biz

Walmart
PUYALLUP, WA
310 31ST AVE SE
STORE NO: 02403 - 254
JOB NUMBER: 9654624 PROTO: 182 SC

ISSUE BLOCK

1	PR#1	08/20/24

CHECKED BY:	EJM
DRAWN BY:	JTC
PROTO CYCLE:	03/29/24
DOCUMENT DATE:	05/10/24

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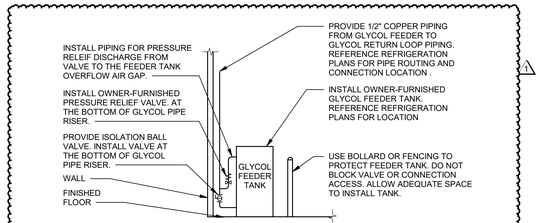
BRIAN A. HARGIS STATE OF WASHINGTON 36235 REGISTERED PROFESSIONAL ENGINEER
8/22/2024

REFRIGERATION DETAILS

SHEET: R3

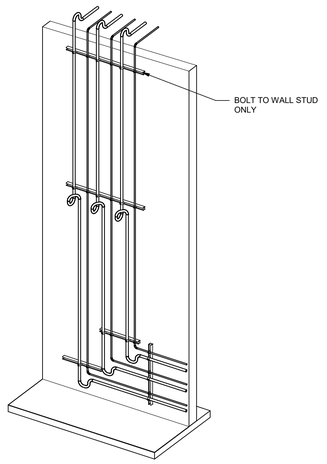
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PRCTI20241053

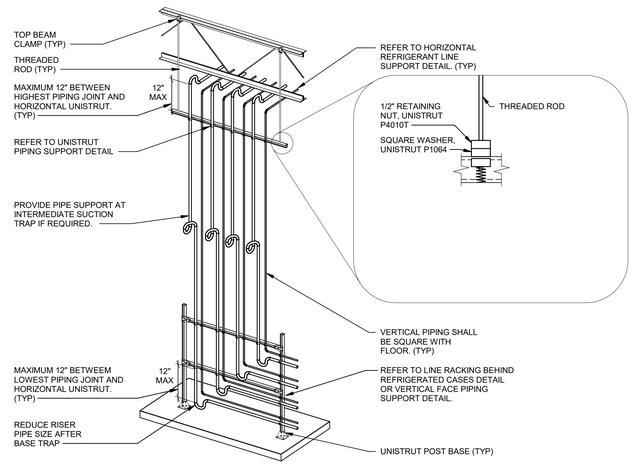


4 GLYCOL FEEDER TANK DETAIL
NTS 05/31/24

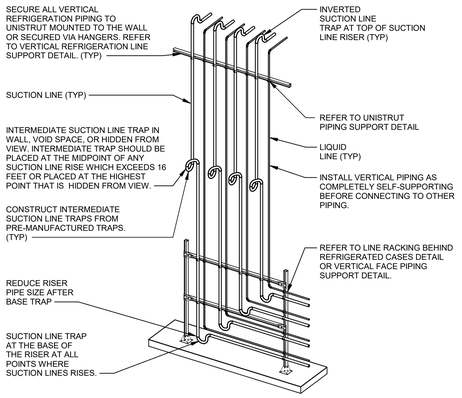
OPTION 1: VERTICAL REFRIGERATION PIPING MOUNTED TO WALL



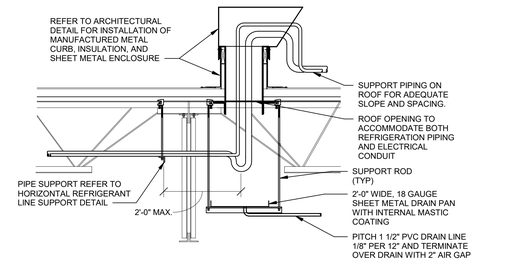
OPTION 2: VERTICAL REFRIGERATION PIPING SUSPENDED VIA HANGERS



3 VERTICAL REFRIGERANT LINE SUPPORT
NTS 11/17/17



2 INTERMEDIATE SUCTION LINE TRAP
NTS



1 ROOF PENETRATION
NTS

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BRR ARCHITECTURE, INC
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PUYALLUP, WA
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STORE NO: 02403 - 254
JOB NUMBER: 96546824 PROTO: 182 SC

ISSUE BLOCK

1	PR#1	08/20/24

CHECKED BY: EJM
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PROTO CYCLE: 03/29/24
DOCUMENT DATE: 05/10/24

PRCTI20241053

BRIAN A. HARGIS
STATE OF WASHINGTON
20235
REGISTERED
PROFESSIONAL ENGINEER
8/22/2024

REFRIGERATION DETAILS

SHEET:
R3.1

8/1/2024 12:09:28 PM
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PRCTI20241053

Hill PHOENIX
709 SIGMAN ROAD
CONYERS, GEORGIA 30208
(770)285-3100 Fax: (770)285-3076

Store / Cust: WAL*MART 192-2002 SUPERCENTER
Location: PUYALLUP, WA
Store #: 2403
Job #: MS27190
Proto Directory: 7-31-03

Page 3 of 4

Original issue date: 11-2-04
Printed on: 02-18-10

HOUSE #2/RACK C

WAL-MART
Stores Inc.

Prepared By: NICK SHOCKLEY Date: 11-18-03 Field Connection: [X] Horizontal, [ ] Vertical

Rev.	Date	By:	Revision:
0	02-17-10	CCE	Rev 0
1	02-18-10	AGG	Changed Ckt C1 new cases; Ckt C6 from LPFDT. [Proj. Sol.]
	08-09-10	LKW	Changed C6 from 8' SHVSS & C18 from spare [Proj. Sol.]
2	8/21/24	TW	Required load and conditions changes per EOR specs. [HUSS]

460/60/3 MAIN	
MCA	429
MOPD	450
CONNECTED	418

208/60/3 STANDBY	
MCA	24
MOPD	30

Sys No.	Size	Model	Heat Exchr.	Expan Valve	Dist Noz	Application	MBTUH	SST °F	Type Of Defrost	Fans Amps	Fans Volts/#	Defrost Amps	Defrost Volts/#	Refrig. Valves Liquid	Refrig. Valves Suction	Est. length	Suction Trunk Horiz	Suction Trunk Riser	Suction Bran Horiz	Suction Bran Riser	Liquid Main	Liquid Bran
																				NEW PIPING****		

Model No: PS515SMRAD RACK C

	1	2	3	4	5	6	7
Compressor	06DR725	06DR228	06DM337	06EM750	06EM450		
Kit Number							
Capacity MBTUH	64.7	79.7	58.7	119.0	119.0		
Suction Temp.	+13	+13	+13	+13	+13		
Horsepower/RPM	6.5	7.5	10	15	15		
RLA / LRA	14.1/80.0	17.8/99.0	19.9/114.0	33.9/150.0	33.9/150.0		
Circuit Breaker	20A	30A	30A	HHB3XB695	HHB3XB695		
Contactor	25A	25A	25A	40A	40A		
Wire Size (AWG)	#12	#10	#10	#8	#8		
Head Fan	NO	NO	NO	NO	NO		
Crankcase Heater	YES	YES	YES	YES	YES		
Unloader	1 STEP	–	1 STEP	1 STEP	–		
DesuperHeat Valve	NO	NO	NO	NO	NO		
DesuperHeat Sol.	NO	NO	NO	NO	NO		
Condenser/Split	50	50	–	Suction	1	2	3
Model #	BRH106C	10 FPI		Evap. Temp	+13		
T.D.	13.7	1140 RPM	MOTORS	Line Size	3 1/8		
FLA	28.0	460/60/3		Manif. Size	3 1/8		
Max. Overcur. Prot.				Filter	5" BRS 3 1/8		
Weight				Accum.	A-12318		
Inverter	–	–		Notes			
Solenoid	(2)OE-42	(2)OE-42		* X55-CR0-6-80/200 TO BE INSTALLED IN			
Isol. Valve To	2 1/8	2 1/8		SORT PILOT LINE			
Pump Out Sol.	E3S120	N/A					
Isol. Valve From	1 5/8	1 5/8					
Check Valve From	1 5/8	1 5/8		R404A ORIGINAL REFRIGERANT			

General Specifications	
Refrigerant Type	R-404A
Suction Temp.	+13
Sat. Suction Temp.	–
Condensing Temp.	115
Outside Air Temp.	100
Req'd. MBTUH (Main)	**376.3
Req'd. MBTUH (Sat.)	
Avail. MBTUH (Main) CC	481.1
Avail. MBTUH (Main) NRE	423.7
Subcooling factor	
Total Rej. Heat (MBH)	711.0
ADJUSTED THR	–
Defrost MCA (208)	
Evaporator MCA (208)	

Discharge	
Manifold Size	2 1/8
Oil Separator	927
Disch. Check Valve	2 1/8
Disch. Regulator	N/A
Bypass Regulator	ORD-4-20
Condenser Supply	2 1/8
Condenser Return	2 5/8

Heat Reclaim	
Kit Number	
Water / Air	
Heat Reclaim Valve	
Isol. Valve To	
Isol. Valve From	

Liquid	
Line Size	2 1/8
Manif. Size	2 5/8
Drier / Sig.	4 CORE 2 1/8
Master Sol.	N/A
Drain Regulator	AB2R-1 5/8 x 2 5/8
Surge Solenoid	ME42
Surge Ball Valve	2 1/8
Surge Check Valve	2 1/8

Receiver	
Horiz / Vert	HORIZONTAL
Dia. x Length	14 X 108
Lbs @ 90% FD	490

Notes
* 3/8" FILTER IN OIL RETURN LINE OFF OIL RESERVOIR
* ALL SOLENOID VALVES TO HAVE SCHRAEDER VALVES ON OUTLET
* 3/8" CHARGING VALVE LOCATED ON SUCTION AND LIQUID LINES PRIOR TO DRIER OR FILTER
* MOUNT SIGHT GLASS VERTICALLY
* DANFOSS OIL PRESSURE CONTROL – MP54-060B2008 PRS #10312
* DANFOSS HIGH PRESSURE CONTROL – KP7B-060-2004 PRS #11060-1
* DANFOSS LOW PRESSURE CONTROL – KP2-060-2013 PRS# 10438
****USE ONLY VIRGINIA KMP EMKARATE LEA8H1 POE OIL WITH CARLYLE RECIPROCATING COMPRESSORS****

Hill PHOENIX
709 SIGMAN ROAD
CONYERS, GEORGIA 30192
(770)285-3100 Fax: (770)285-3076

Store / Cust: WAL*MART 192-2002 SUPERCENTER
Location: PUYALLUP, WA
Store #: 2403
Job #: MS27190
Proto Directory: 7-31-03

Page 4 of 4

Original issue date: 11-2-04
Printed on: 02-24-10

HOUSE #2/RACK D

WAL-MART
Stores Inc.

Prepared By: NICK SHOCKLEY Date: 11-18-03 Field Connection: [X] Horizontal, [ ] Vertical

Rev.	Date	By:	Revision:
0	02-17-10	CCE	Rev 0
1	02-24-10	AGG	Changed Ckt D12 from Spare. [Project Solutions]
	06-02-10	LKW	Changed D12 from HQDAL [Proj. Sol.]
2	8/21/24	TW	Required load and conditions changes per EOR specs. [HUSS]

Sys No.	Size	Model	Heat Exchr.	Expan Valve	Dist Noz	Application	MBTUH	SST °F	Type Of Defrost	Fans Amps	Fans Volts/#	Defrost Amps	Defrost Volts/#	Refrig. Valves Liquid	Refrig. Valves Suction	Est. length	Suction Trunk Horiz	Suction Trunk Riser	Suction Bran Horiz	Suction Bran Riser	Liquid Main	Liquid Bran

Model No: PS425SMRAD RACK D

	1	2	3	4	5	6	7
Compressor	06DR228	06DR228	06DR337	06EM775			
Kit Number							
Capacity MBTUH	**79.9	**79.9	**38.8	**186.9			
Suction Temp.	**+13	**+13	**+13	**+13			
Horsepower/RPM	7.5	7.5	10	25			
RLA / LRA	17.8/99.0	17.8/99.0	19.9/114.0	45.7/210.0			
Circuit Breaker	30A	30A	30A	HHR3XB607			
Contactor	25A	25A	25A	50A			
Wire Size (AWG)	#10	#10	#10	#6			
Head Fan	NO	NO	NO	NO			
Crankcase Heater	YES	YES	YES	YES			
Unloader	1 STEP	–	–	1 STEP			
DesuperHeat Valve	NO	NO	NO	NO			
DesuperHeat Sol.	NO	NO	NO	NO			
Condenser/Split	50	50	–	Suction	1	2	3
Model #				Evap. Temp	**+13		
T.D.	**12.5	1140 RPM	MOTORS	Line Size	3 1/8		
FLA	28.0	460/60/3		Manif. Size	3 1/8		
Max. Overcur. Prot.				Filter	5" BRS 3 1/8		
Weight				Accum.	A-12318		
Inverter	–	–		Notes			
Solenoid	(2)OE-42	(2)OE-42		* X55-CR0-6-80/200 TO BE INSTALLED IN			
Isol. Valve To	2 1/8	2 1/8		SORT PILOT LINE			
Pump Out Sol.	E3S120	N/A					
Isol. Valve From	1 5/8	1 5/8					
Check Valve From	1 5/8	1 5/8					

General Specifications	
Refrigerant Type	R-404A
Suction Temp.	**+13
Sat. Suction Temp.	–
Condensing Temp.	115
Outside Air Temp.	100
Req'd. MBTUH (Main)	**351.3
Req'd. MBTUH (Sat.)	
Avail. MBTUH (Main) CC	**445.4
Avail. MBTUH (Main) NRE	**391.2
Subcooling factor	
Total Rej. Heat (MBH)	**853.8
ADJUSTED THR	–
Defrost MCA (208)	
Evaporator MCA (208)	

Discharge	
Manifold Size	2 1/8
Oil Separator	927
Disch. Check Valve	2 1/8
Disch. Regulator	N/A
Bypass Regulator	ORD-4-20
Condenser Supply	2 1/8
Condenser Return	2 5/8

Heat Reclaim	
Kit Number	
Water / Air	
Heat Reclaim Valve	
Isol. Valve To	
Isol. Valve From	

Liquid	
Line Size	2 1/8
Manif. Size	2 5/8
Drier / Sig.	4 CORE 2 1/8
Master Sol.	N/A
Drain Regulator	AB2R-1 1/8 x 2 5/8
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Surge Ball Valve	2 1/8
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Receiver	
Horiz / Vert	HORIZONTAL
Dia. x Length	14 X 108
Lbs @ 90% FD	490

Notes
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* DANFOSS LOW PRESSURE CONTROL – KP2-060-2013 PRS# 10438
****USE ONLY VIRGINIA KMP EMKARATE LEA8H1 POE OIL WITH CARLYLE RECIPROCATING COMPRESSORS****

Separate Electrical Permit is required with the Washington State Department of Labor & Industries.

https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections

or call for Licensing Information: 1-800-647-0982

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

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JOB NUMBER: 192 SC

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1	PR#1	08/20/24

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PROTO CYCLE:	03/29/24
DOCUMENT DATE:	05/10/24

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NOTE: FOR INFORMATION ONLY
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REFRIGERATION SUBMITTALS

SHEET: R4

9/21/2024 12:05:20 PM
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PRCTI20241053

OCCUPANCY SENSOR NOTES

12.17.21

1. OCCUPANCY SENSORS IN RESTROOMS SHALL BE PROGRAMMED FOR AUTOMATIC ON AND MAXIMUM AVAILABLE TIME DELAY SETTINGS.
2. OCCUPANCY SENSORS IN DELI, PRODUCE, AND BAKERY PREP AREAS SHALL BE PROGRAMMED WITH MAXIMUM AVAILABLE TIME DELAY SETTINGS.
3. OCCUPANCY SENSORS IN WALK-IN COOLERS/FREEZERS SHALL BE LOW TEMPERATURE RATED AND CEILING MOUNTED WITH INCLUDED BRACKET. ADJUST AIMING FOR MAXIMUM COVERAGE, 10 MINUTE TIME DELAY.
4. ALL OTHER OCCUPANCY SENSORS SHALL BE PROGRAMMED WITH THE MINIMUM AVAILABLE TIME DELAY SETTING UNLESS NOTED OTHERWISE.
5. ALL SINGLE-POLE OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR MANUAL ON LIGHTING CONTROL UNLESS NOTED OTHERWISE.
6. ALL BI-LEVEL OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR AUTOMATIC ON LIGHTING CONTROL FOR 50% OF FIXTURES AND WITH MANUAL ON MODE FOR REMAINING FIXTURES.
7. WHERE TWO OCCUPANCY SENSORS ARE SHOWN IN THE SAME LOCATION WIRE FOR PARALLEL OPERATION.

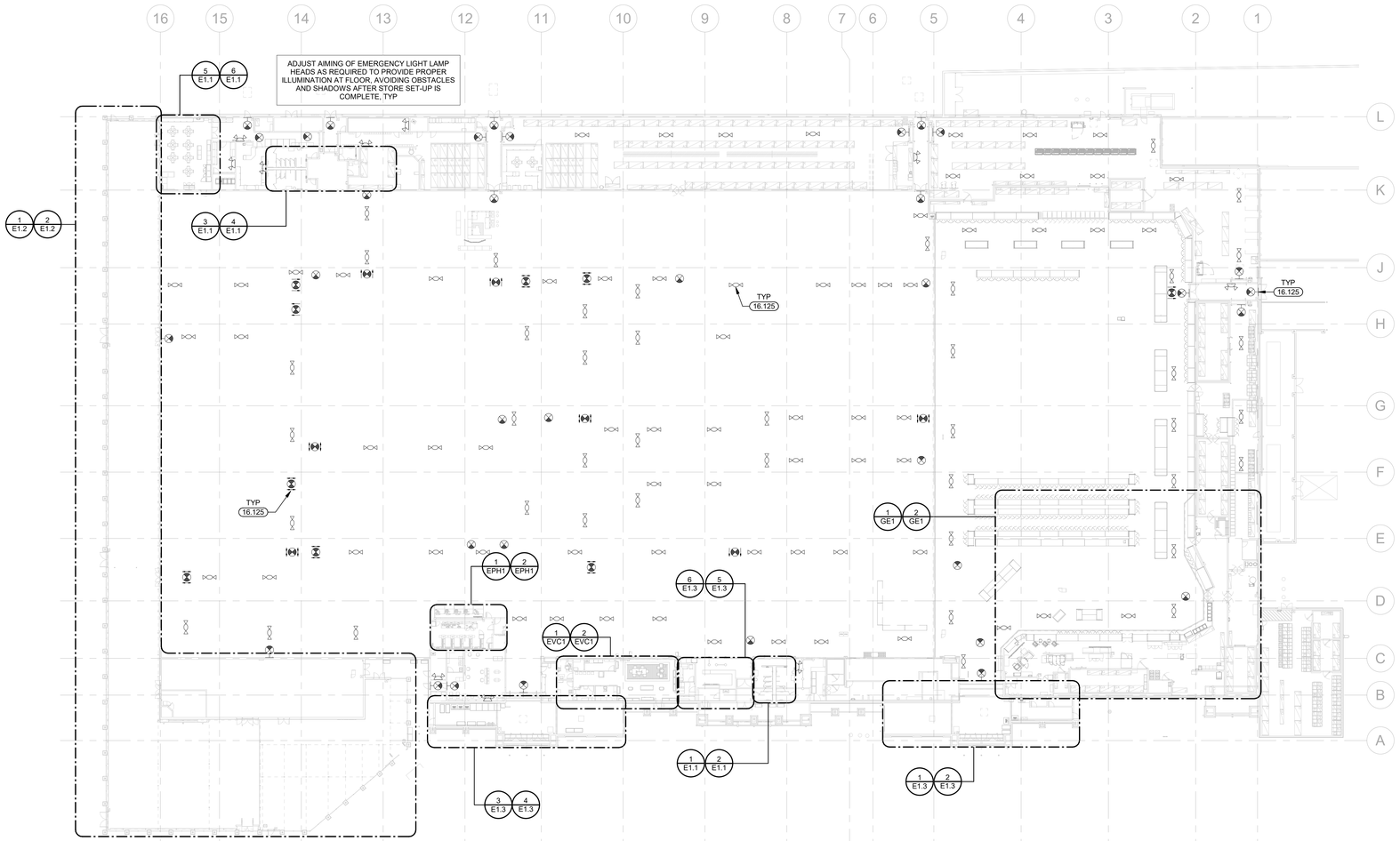
GENERAL LIGHTING NOTES

12.17.21

1. EXIT SIGN MOUNTING
   A. WALL FIXTURE: CENTER 12" ABOVE DOOR OPENING.
   B. CEILING FIXTURE: ON CEILING OR AT HEIGHT SPECIFIED ON DRAWINGS.
   C. PENDANT FIXTURE: MATCH HEIGHT OF EXISTING PENDANT MOUNTED EXIT SIGNS. IF STORE DOES NOT HAVE PENDANT MOUNTED EXIT SIGNS, THEN PENDANT MOUNT SIGN 24" BELOW BOTTOM OF BAR JOIST.
   D. VERIFY MOUNTING HEIGHT WITH AHJ.
   E. COORDINATE LOCATIONS OF EXIT SIGNS TO ENSURE STORE SIGNAGE DOES NOT OBSTRUCT THEIR VIEW.
   F. THE USE OF TRITIUM BASED RADIOACTIVE EXIT SIGNAGE IS PROHIBITED.
2. EMERGENCY LIGHT FIXTURE INSTALLATION
   A. EXIT SIGNS, EMERGENCY LIGHTS AND NIGHT LIGHTS SHALL NOT BE SWITCHED.
   B. MOUNTING
      a. WALL FIXTURE: 12" BELOW FINISHED CEILING OR +10'-0" IN AREAS OF EXPOSED STRUCTURE, UNLESS NOTED OTHERWISE.
      b. PENDANT FIXTURE: BOTTOM CHORD OF BAR JOIST OR AT HEIGHT SPECIFIED ON DRAWINGS.
      c. REMOTE HEAD FIXTURE: HEADS CENTERED ABOVE DOOR OPENING +9'-0", UNLESS NOTED OTHERWISE AND BATTERY PACK MOUNTED ON INTERIOR SIDE OF WALL 12" BELOW FINISHED CEILING OR AT BAR JOIST IN AREAS OF EXPOSED STRUCTURE.
   C. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS. ALLOW BATTERY TO CHARGE CONTINUOUSLY FOR A MINIMUM OF 24 HOURS BEFORE INITIAL TESTING.
   D. AFTER EMERGENCY LIGHT HAS BEEN POWERED DO NOT TURN OFF FOR EXTENDED PERIODS OF TIME.
3. IN AREAS OF OPEN STRUCTURE, MOUNT STRIP FIXTURE TO BOTTOM CHORD OF BAR JOIST, UNLESS NOTED OTHERWISE.
4. FIXTURES DENOTED WITH "ABJ" ARE TO BE FASTENED ON UNISTRUT CHANNELS MOUNTED TO THE BOTTOM SIDE OF THE TOP CHORD OF BAR JOISTS. LOCATE THE FIXTURES RUNNING PERPENDICULAR TO BAR JOISTS WITHIN BAR JOISTS WEBBING SPACES. DO NOT FASTEN FIXTURE OR UNISTRUT CHANNELS TO ROOF DECK.
5. CONTRACTOR SHALL PROVIDE ALL UNISTRUT AND HARDWARE NECESSARY TO SPAN BAR JOIST AS REQUIRED FOR A COMPLETE INSTALLATION OF THE LIGHTING SYSTEM.
6. PROVIDE SEPARATE BOXES FOR GANGED SWITCHES ON SEPARATE BRANCH CIRCUITS.
7. CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE INSTALLATION OF THE LIGHTING SYSTEM AS INDICATED ON PLANS AND/OR AS MODIFIED TO ACCOMMODATE EXISTING OBSTRUCTIONS. IDENTIFY CONFLICTS PRIOR TO ROUGH-IN. WHERE CONFLICTS WITH EXISTING UTILITIES OCCUR, ADJUST FIXTURE LOCATION AS REQUIRED. FIXTURES SHALL BE INSTALLED AS NEAR AS POSSIBLE TO LOCATIONS INDICATED ON PLANS

KEYNOTES

16.125 EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE.



EXISTING LIGHTING FIXTURES NOT SHOWN ARE EXISTING TO REMAIN AND ARE NOT AFFECTED BY THE SCOPE OF WORK ON THIS PROJECT. THIS INCLUDES ALL GENERAL LIGHTING, EGRESS LIGHTING AND EXIT LIGHTING.

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

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ROBERT DALE SMITH — STATE OF WASHINGTON — 35736 — REGISTERED PROFESSIONAL ENGINEER
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LIGHTING PLAN

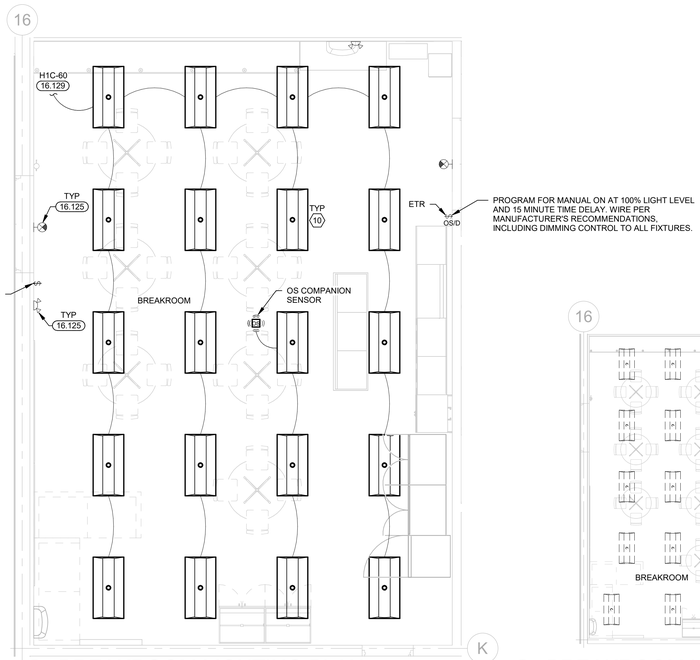
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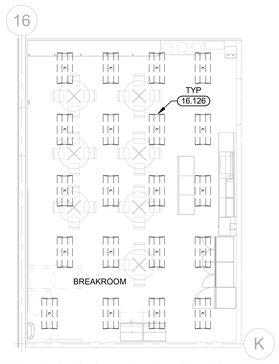
PRCTI20241053

KEYNOTES

16.090	REPLACE EXISTING LIGHT FIXTURES IN THIS AREA WITH TYPE AND QUANTITY INDICATED. INSTALL NEW LIGHT FIXTURE IN SAME LOCATION AS EXISTING LIGHT FIXTURE BEING REPLACED. RECONNECT TO EXISTING CIRCUITRY AND CONTROLS.
16.125	EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE.
16.126	EXISTING LIGHT FIXTURE TO BE DEMOLISHED.
16.129	CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING AREA LIGHTING THAT WAS REMOVED. MAINTAIN EXISTING CIRCUIT CONTROL UNLESS NOTED OTHERWISE. PROVIDE CONSTANT HOT FOR EMERGENCY EXIT AND LOCALLY CONTROLLED LIGHT FIXTURES.
16.147	BACKLIT MIRROR 120V/12V LED DRIVER AND RELAY (RIB24020 277V COIL) INSTALLED ABOVE CEILING. LED DRIVER FURNISHED BY OTHERS, INSTALLED BY EC. RELAY, WIRING AND ALL FINAL CONNECTIONS FURNISHED AND INSTALLED BY EC. ROUTE 120V LED DRIVER CIRCUIT THROUGH RELAY. RELAY COIL SHALL BE CONTROLLED BY EXISTING 277V LIGHTING CONTROL. COORDINATE EXACT LOCATION OF CEILING ACCESS PANEL WITH GC AS REQUIRED.



6 BREAKROOM LIGHTING PLAN
1/4" = 1'-0"



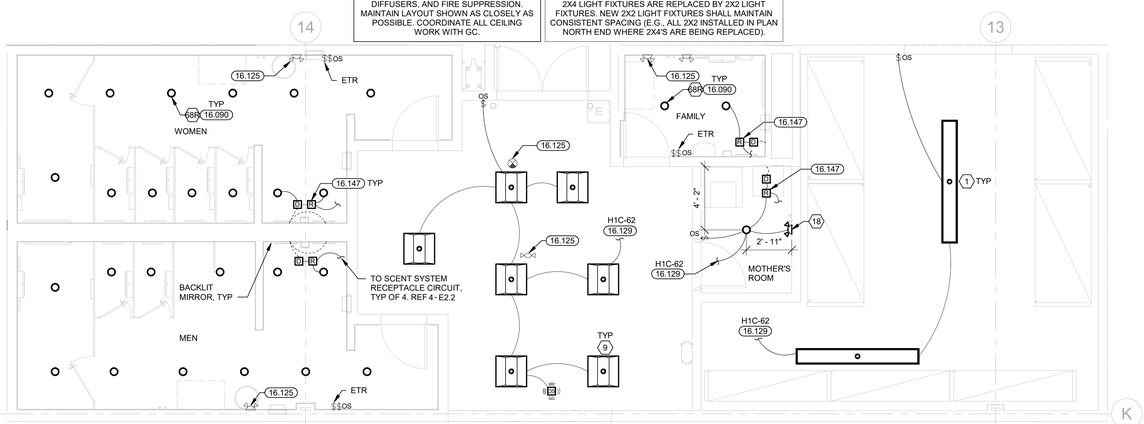
5 BREAKROOM LIGHTING DEMO PLAN
1/8" = 1'-0"

4 REAR RESTROOM LIGHTING DEMO PLAN
1/8" = 1'-0"

COORDINATE LIGHT FIXTURE LOCATIONS WITH CEILING FRAMING, DUCT WORK, DIFFUSERS, AND FIRE SUPPRESSION. MAINTAIN LAYOUT SHOWN AS CLOSELY AS POSSIBLE. COORDINATE ALL CEILING WORK WITH GC.

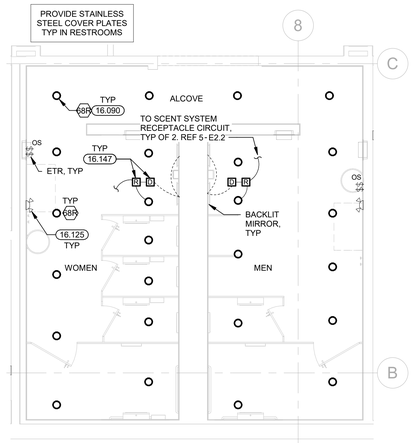
PROVIDE STAINLESS STEEL COVER PLATES TYP IN RESTROOMS AND FAMILY TOILET

ADD T-BAR AND CEILING TILE TO PATCH CEILING WHERE 2X4 LIGHT FIXTURES ARE REPLACED BY 2X2 LIGHT FIXTURES. NEW 2X2 LIGHT FIXTURES SHALL MAINTAIN CONSISTENT SPACING (E.G., ALL 2X2 INSTALLED IN PLAN NORTH END WHERE 2X4'S ARE BEING REPLACED).

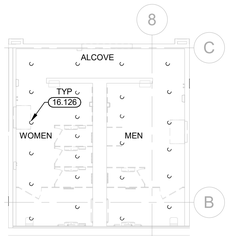


3 REAR RESTROOM LIGHTING PLAN
1/4" = 1'-0"

PROVIDE STAINLESS STEEL COVER PLATES TYP IN RESTROOMS



2 FRONT RESTROOM LIGHTING PLAN
1/4" = 1'-0"



1 FRONT RESTROOM LIGHTING DEMO PLAN
1/8" = 1'-0"

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

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REGISTERED PROFESSIONAL ENGINEER
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ENLARGED LIGHTING PLAN

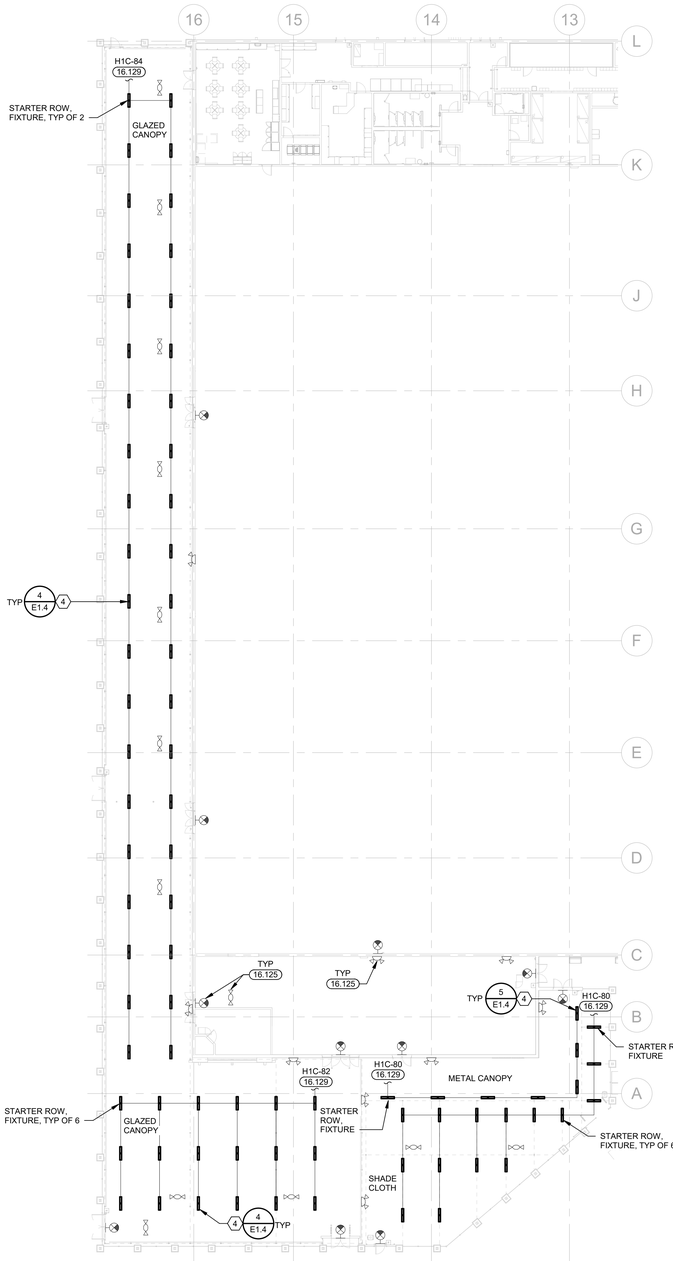
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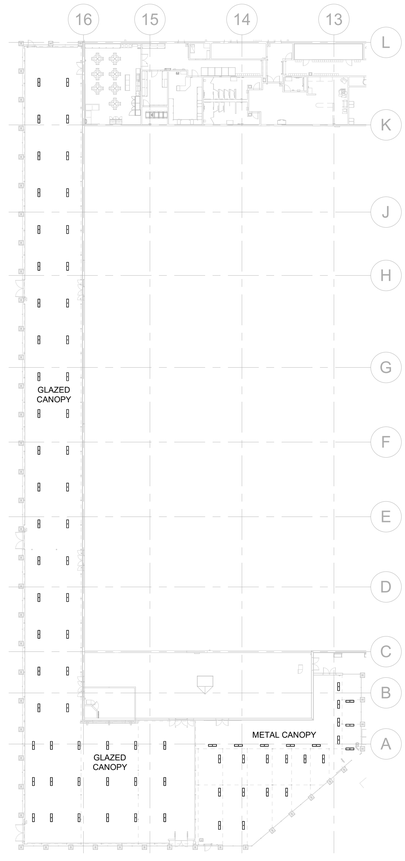
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2 GARDEN CENTER LIGHTING PLAN
1" = 20'-0"



1 GARDEN CENTER LIGHTING DEMO PLAN
1" = 30'-0"

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REGISTERED PROFESSIONAL ENGINEER
05/10/2024

ENLARGED LIGHTING PLAN

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KEYNOTES

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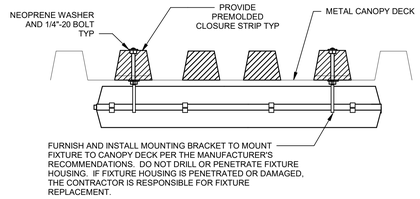
LIGHT FIXTURE SCHEDULE

"OW" FIXTURES AND LAMPS ARE FURNISHED BY THE OWNER FOR INSTALLATION BY THE CONTRACTOR. "GC" FIXTURES AND LAMPS ARE FURNISHED AND INSTALLED BY THE CONTRACTOR.

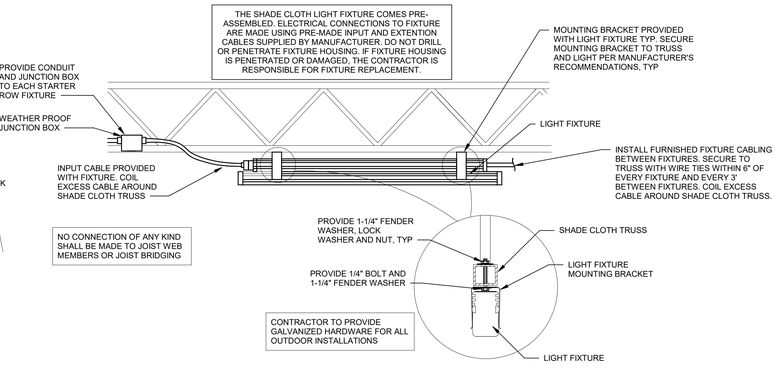
TYPE	SUPPLIED BY	DESCRIPTION	VENDOR / MANUFACTURER	MODEL	VOLTAGE	INPUT VA	COLOR TEMP	LIGHT SOURCE	LAMP QTY	MOUNTING	COUNT
1	OW	8' STRIP	ACUITY BRANDS LIGHTING INC	CLX L96 10000LM HEF RDL MVOLT GZ10 40K 80CRI PLR1G WH	120/277	67 VA	4000K	INTEGRAL LED	-	SURFACE	5
4	OW	4' SEALED STRIP W/CORD	LOEB ELECTRIC CO	NX1 11W 40K 00 S FX1 S	120/277	44 VA	4000K	INTEGRAL LED	-	SURFACE	80
7	OW	1' x 4' VOLUMETRIC TROFFER	LOEB ELECTRIC CO	BLT4 40L ADSM GZ1 LP840	120/277	33 VA	4000K	INTEGRAL LED	-	RECESSED	31
8	OW	1' x 4' FLAT PANEL	REXEL USA INC	PT14030W	120/277	30 VA	4000K	INTEGRAL LED	-	RECESSED	10
9	OW	2' x 2' VOLUMETRIC TROFFER	LOEB ELECTRIC CO	2BLT2 40L ADSM GZ1 LP840	120/277	32 VA	4000K	INTEGRAL LED	-	RECESSED	109
10	OW	2' x 4' VOLUMETRIC TROFFER	LOEB ELECTRIC CO	2BLT4 40L ADSM GZ1 LP840	120/277	32 VA	4000K	INTEGRAL LED	-	RECESSED	20
16	OW	EXIT SIGN (SINGLE FACE)	ACUITY BRANDS LIGHTING INC	RED: LQM S W 1 R 120/277 EL N SD90 M6 GREEN: LQM S W 1 G 120/277 EL N SD90 M6	120/277	4 VA	-	INTEGRAL LED	-	WALL	2
18	OW	EMERGENCY LIGHT	REXEL USA INC	EVHC6IDP-WM	120/277	3 VA	-	INTEGRAL LED	-	WALL / CEILING	2
19	OW	EMERGENCY LIGHT	REXEL USA INC	EVHC6IDP-WM W/ T BAR HANGER	120/277	3 VA	-	INTEGRAL LED	-	CEILING	2
24	OW	CIRCULAR RECESSED DOWNLIGHT	LOEB ELECTRIC CO	LBR6 10LM 35K WR MWD MVOLT 90CRI UGZ	120/277	13 VA	3500K	INTEGRAL LED	-	RECESSED	6
27	OW	EMERGENCY LIGHT - REMOTE HEADS	REXEL USA INC	EVHC6IDP-0-WM W/ EVODW	120/277	3 VA	-	INTEGRAL LED	-	WALL	2
39	OW	8' STRIP (18% UPLIGHT)	GE LIGHTING SOLUTIONS LLC	LUSC8A0A0V1T40VQCSWHTE	120/277	80 VA	4000K	INTEGRAL LED	-	REF DETAILS	30
68R	OW	CIRCULAR RECESSED DOWNLIGHT	ACUITY BRANDS LIGHTING INC	LBR6 07LM 40K AR LSS MWD MVOLT UGZ	120/277	8 VA	4000K	INTEGRAL LED	-	RECESSED	53
85	OW	13' GLOBE PENDANT LIGHT WITH MEDIUM BASE LAMP SOCKET, CORD MOUNT, WHITE FINISH	LOEB ELECTRIC CO	HQ00006-WH-14-MED5-643WH-G1	120	14 VA	3000k	14A21DIM/830 [GRC] (LED A19 LAMP, 1600L)	-	SUSPENDED	4
87	OW	3 LIGHT RECESSED MUTIPLE, WHITE FINISH	LOEB ELECTRIC CO	3LH-N1N2N3-15LM-30K-MVOLT-SPW-ZT-WH-HBTL-MEZ136454	120/277	48 VA	3000K	MODULAR LED	-	RECESSED	28
92	OW	8FT SUSPENDED LED LINEAR SLOT LIGHT	LOEB ELECTRIC CO	S1LD-LLP-8FT-MSLX-90CRI-30K-700LMF-MIN1-MVOLT-WHT-ZT-F1/72A-RDCY -WCRD	120/277	50 VA	3000K	INTEGRAL LED	-	SUSPENDED	8
94	OW	UNDER CABINET LIGHTING - 58"	QUALSERV SOLUTIONS LLC	RTSHO-LED58-30FR-2-000	120	24 VA	3000K	INTEGRAL LED	-	SURFACE	2

LIGHT FIXTURE NOTES (APPLIES TO ALL LIGHT FIXTURES):

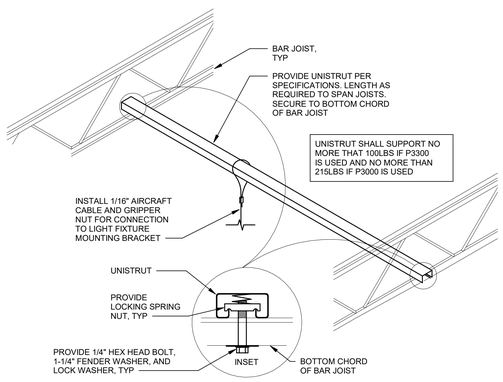
A. SUPPORT ALL RECESSED OR LAY-IN LIGHT FIXTURES DIRECTLY FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE, WITH A MINIMUM OF TWO 12-GAUGE STEEL WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE GRID GRID SYSTEM. ATTACH LIGHT FIXTURES TO THE SUSPENDED CEILING SYSTEM TO RESIST 100 PERCENT OF THE FIXTURE WEIGHT ACTING IN ANY DIRECTION. COMPLETE IN ACCORDANCE WITH APPLICIABLE BUILDING CODE REQUIREMENTS.



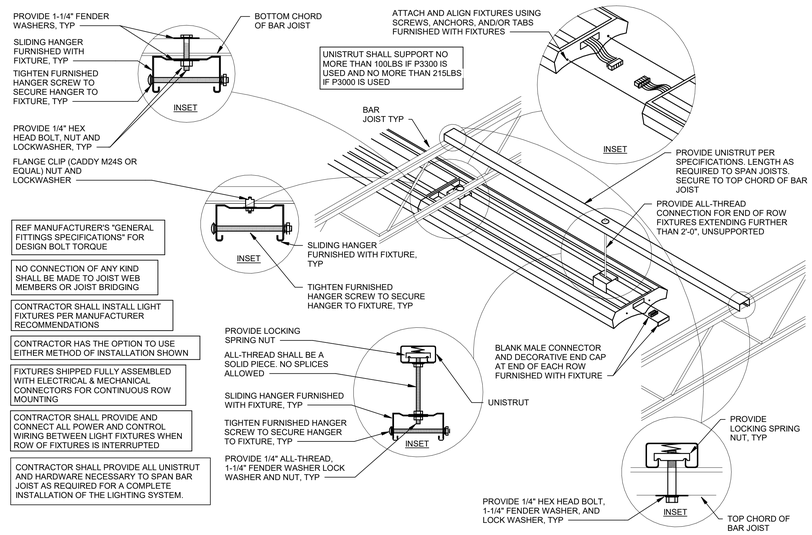
5 CANOPY LIGHTING
1/8" = 1'-0" 07/27/18



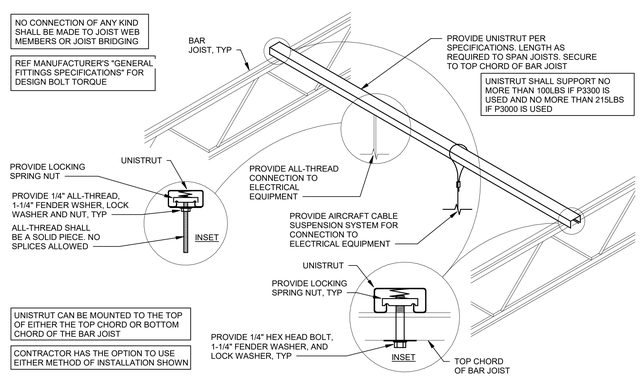
4 SHADE CLOTH LIGHTING
NTS 07/27/18



3 SUSPENDED LIGHTING CONNECTIONS TO STRUCTURE
NTS 09/27/19



2 SALES FLOOR LIGHTING
NTS 07/27/18



1 GENERAL ELECTRICAL CONNECTIONS TO STRUCTURE
NTS 07/27/18

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ROBERT DALE SWANSON
STATE OF WASHINGTON
16736
REGISTERED PROFESSIONAL ENGINEER
05/10/2024

LIGHTING DETAILS AND SCHEDULES

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FEEDER SCHEDULE

ALL CONDUIT AND CONDUCTOR SIZES ARE BASED ON EMT WITH 40% FILL, 75°C RATED TERMINATIONS AND TYPE THHN/THWN-2 INSULATION. FOR NON-EMT CONDUIT OR TERMINATIONS OR INSULATION TYPES RATED LESS THAN 75°C, MODIFY SIZES ACCORDING TO NEC.

XXX **FEEDER OR GROUND SIZE**

GENERAL POWER NOTES

12.17.21

1. TELEPOWER POLE(S): MOUNT JUNCTION BOX(ES) TO TOP SIDE OF BOTTOM CHORD OF BAR JOIST. INSTALL FURNISHED POWER POLE AND TERMINATE WIRING TO JUNCTION BOX. PROVIDE UNISTRUT SUPPORTS AND HARDWARE TO SECURE TELEPOWER POLE PLUMB TO BUILDING STRUCTURE. REF POWER POLE CONNECTION DETAIL.
2. PROVIDE LIQUID-TIGHT FLEXIBLE METAL CONDUIT AND WIRING FROM DISCONNECT SWITCH OR JUNCTION BOX TO EQUIPMENT KNOCKOUT OR ELECTRICAL CONNECTION POINT.
3. WHERE EQUIPMENT NAMEPLATE PROTECTIVE DEVICE RATING DIFFERS FROM SIZE PROVIDED, NOTIFY WALMART CONSTRUCTION MANAGER IMMEDIATELY TO COORDINATE RESOLUTION.
4. ELECTRONIC FIRE PROTECTION/SECURITY ALARM BOXES AND CONDUITS SHOWN ON POWER PLANS SHALL BE PROVIDED UNDER THIS CONTRACT. IN ADDITION, UNLESS NOTED OTHERWISE, THE FOLLOWING GENERAL NOTES APPLY:
   A. ALL ALARM JUNCTION BOXES SHALL BE 4"X4"X2-1/8" MINIMUM.
   B. ALARM RACEWAYS SHALL BE 3/4" MINIMUM WITH PULL WIRE AND INSULATING BUSHINGS AT END OF VERTICAL RACEWAY RUN.
   C. VERTICAL RACEWAYS FROM ALARM BOXES SHALL BE EITHER CONCEALED INSIDE WALL OR SURFACE MOUNTED (TO MATCH JUNCTION BOX MOUNTING). ALL VERTICAL RUNS SHALL BE TURNED 90-DEGREES AT TOP SIDE OF BOTTOM CHORD OF BAR JOIST AND EXTENDED HORIZONTALLY TO A LOCATION ACCESSIBLE BY VERTICAL FLOOR TYPE LIFT.
5. UPON COMPLETION OF ELECTRICAL INSTALLATION AND PRIOR TO ENERGIZING CIRCUIT:
   A. INSPECT WIRE AND CABLE FOR PHYSICAL DAMAGE.
   B. PERFORM CONTINUITY TEST.
   C. VERIFY PROPER PHASING CONNECTION TO ALL THREE PHASE MOTOR LOADS.
6. CONDUIT AND WIRING TO RTU'S AND AHU'S SHALL BE THROUGH EQUIPMENT CURB. NO ROOF PENETRATIONS OR CONDUITS ROUTED ACROSS ROOF ARE PERMITTED.

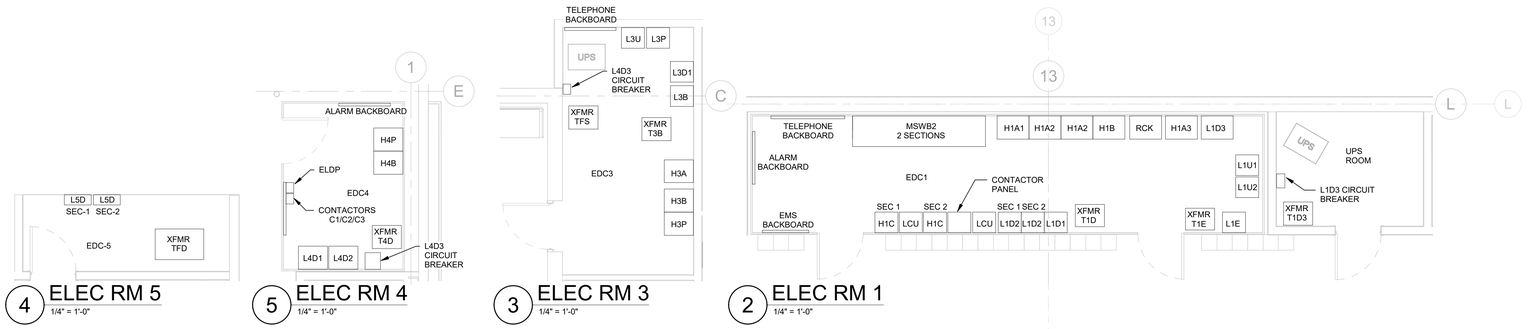
KEYNOTES

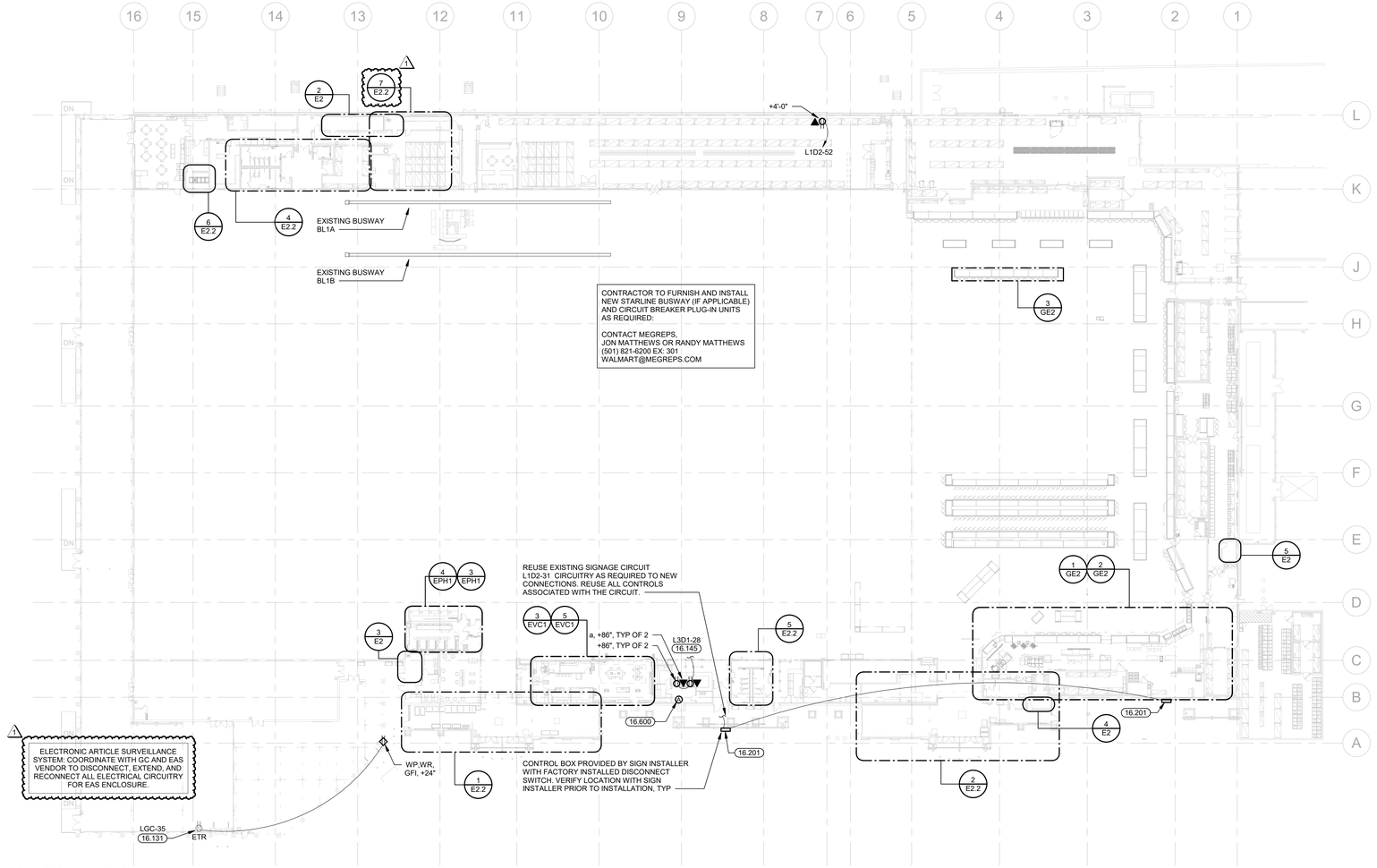
16.131 CONNECT TO EXISTING CIRCUIT.

16.145 CONNECT CIRCUIT(S) TO EXISTING BRANCH CIRCUITRY. MINIMUM WIRE SIZE AND PANELBOARD CIRCUIT ARE NOTED. VERIFY SIZE, RATING AND CONDITION OF EXISTING BRANCH CIRCUIT CONDUIT AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET REQUIRED SIZE, AND ALL U.L. RATINGS AND REPLACE AS REQUIRED.

16.201 EXTERIOR SIGN POWER: WHERE ELECTRICAL CONNECTIONS FOR SIGNAGE OCCUR BELOW ROOF LINE, ROUTE POWER TO WALL AT SIGN CONTROL BOX(ES). WHERE ELECTRICAL CONNECTIONS FOR SIGNAGE OCCUR ABOVE ROOF LINE, PROVIDE UNISTRUT TO MOUNT CONTROL BOX(ES) TO BACK SIDE OF PARAPET. LOW VOLTAGE WIRING FROM CONTROL BOX(ES) TO SIGN PROVIDED AND INSTALLED BY OTHERS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT SIGN LOCATION(S) PRIOR TO INSTALLATION. PROVIDE ONLY ONE PENETRATION THROUGH THE ROOF. REF ARCHITECTURAL EXTERIOR WALL SECTIONS AND SIGN ATTACHMENT FOR ROOF AND PARAPET PENETRATION REQUIREMENTS.

16.600 PROVIDE SURFACE MOUNTED ALARM JUNCTION BOX (WITH VERTICAL RACEWAY) MOUNTED 2" ABOVE AND 8" IN FROM STRIKE SIDE OF DOOR FRAME.





1 POWER PLAN
1" = 30'-0"

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POWER PLAN

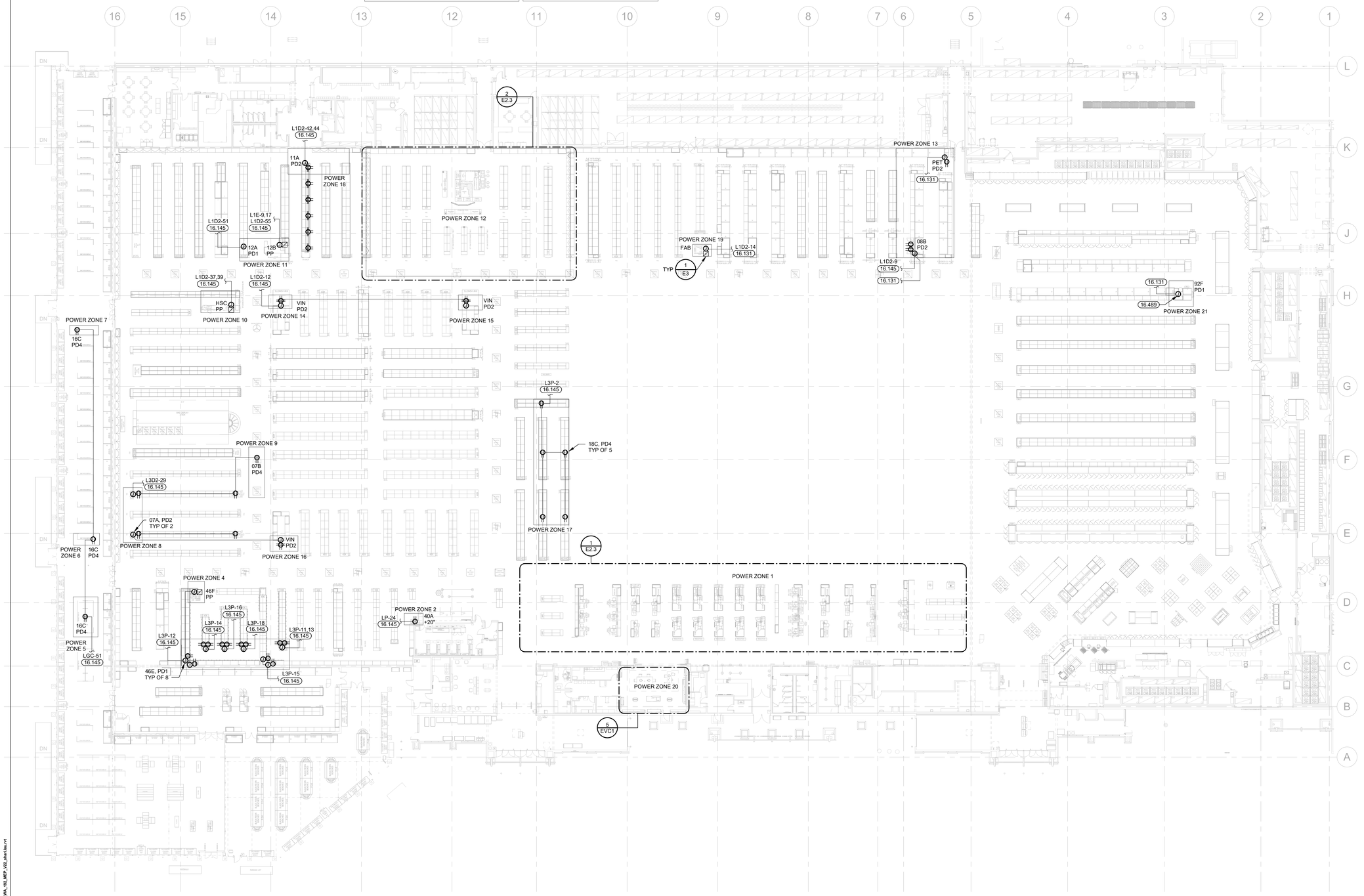
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PRCTI20241053

EXISTING TELEPOWER POLES: ALL EXISTING TELEPOWER POLES IN OPEN STRUCTURE AREAS THROUGHOUT THE STORE SHALL BE SECURED SIMILAR TO DETAIL 1-E3 WITH OPTION OF UTILIZING 2-1 1/2 INCH RIGID PVC SPLIT DUCT TYPE SLEEVE FROM PRIME CONDUIT MWE INC, VIKIMATIC, OR INNERDUCT. COORDINATE WORK WITH WALMART STORE MANAGER AND CONSTRUCTION MANAGER TO MINIMIZE DISRUPTIONS TO STORE OPERATION AND ANY EQUIPMENT SERVED BY EACH POWER POLE.

ON SALES FLOOR COLUMNS, REMOVE UNUSED PHONE OUTLETS ALONG WITH ASSOCIATED JUNCTION BOXES AND CONDUITS. REMOVE ALL EMPTY CONDUITS AND ABANDONED JUNCTION BOXES. TELEPHONE CABLES ARE TO BE REMOVED BACK TO STRUCTURE AND SECURED.



1 POWER DROP PLAN
1" = 20'-0"

FEEDER SCHEDULE

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XXX	FEEDER OR GROUND SIZE

POWER DROP SCHEDULE

07.28.17

NO.	DESCRIPTION
PD1	MOUNT RECEPTACLE(S) ON TOP OF DISPLAY UNIT(S)
PD2	MOUNT RECEPTACLE(S) 6" ABOVE BASE OF DISPLAY ON UNIT(S) SO THAT RECEPTACLE(S) AND CONDUIT DO NOT INTERFERE WITH SHELF HEIGHT ADJUSTMENTS
PD3	PROVIDE DIRECT CONNECTION TO EQUIPMENT
PD4	OPEN STRUCTURE: MOUNT RECEPTACLE AT BAR JOIST AND INSTALL FURNISHED CORD REEL LAY-IN CEILING: PROVIDE RECESSED CEILING RECEPTACLE AND INSTALL FURNISHED CORD REEL BELOW CEILING. CORD REEL SHALL BE MOUNTED TO CEILING FAN RATED JUNCTION BOX SECURED TO LAY-IN CEILING WITH T-BAR BOX HANGER. PROVIDE 1/2" THREADED STEEL ROD FROM JUNCTION BOX TO BOTTOM OF STRUCTURAL JOIST OR CHANNEL STRUT BRIDGING ABOVE FOR SUPPORT.

POWER DROP NOTES

09.25.20

1. POWER DROPS WILL BE IDENTIFIED BY AN IPTV TAG OR POWER TAG, I.E. 44A, 46E, ETC. ALL CHECKOUT POWER SHALL BE CONSIDERED POWER DROPS.
2. A REVISION OF THIS PLAN BASED ON THE FINAL MERCHANDISE LAYOUT MAY BE ISSUED TO SHOW FINAL LOCATIONS FOR THE POWER DROPS. IF THE MERCHANDISE PLAN DOES NOT CHANGE, THIS PLAN WILL NOT BE REISSUED. PROVIDE CIRCUITRY TO DISPLAY RACKS AS THE RACKS ARE SET. IN ADDITION, THE FOLLOWING POWER DROP NOTES APPLY:
   A. THERE WILL BE NO ADDITIONAL CHARGE FOR DROP RELOCATION WITHIN POWER DROP ZONES DEFINED ON DRAWING.
   B. AT CLOSE OF PROJECT THE GENERAL CONTRACTOR AND CONSTRUCTION MANAGER SHALL REVIEW ADDITIONAL OR DELETED POWER DROPS WITHIN EACH ZONE TO VERIFY ANY ADDITIONAL CHARGES OR CREDITS THAT APPLY DUE TO CHANGES.
   C. ADDING OR SUBTRACTING A POWER DROP TO ANY ZONE WILL RESULT IN A CHARGE OR CREDIT ACCORDING TO SPECIAL CONDITIONS.
3. PROVIDE JUNCTION BOX AND CIRCUITRY TO NEAREST JOIST ABOVE LOCATION SHOWN ON DRAWING. EXTEND CONDUIT AND CIRCUITRY FROM JUNCTION BOX TO ENDCAP OF DISPLAY RACK.
4. WHEN EXPOSED VERTICAL CONDUIT FROM STRUCTURAL CONNECTION TO GONDOLA/EQUIPMENT EXCEEDS 10 FEET, PROVIDE SUPPORT AS NECESSARY TO MEET NEC REQUIREMENTS.
5. PROVIDE CONDUIT, RECEPTACLE(S) AND FINAL CONNECTIONS AT DISPLAY RACK SHELVING PER POWER DROP SCHEDULE UNLESS NOTED OTHERWISE ON DRAWING. VERIFY EXACT HEIGHT AND LOCATION OF RECEPTACLE(S) WITH STORE PLANNING SET-UP SUPERVISOR PRIOR TO INSTALLATION.
6. POWER DROPS FED FROM TRACK BUSWAY: INSTALL PLUG-IN UNIT AT A POINT ON TRACK BUSWAY NEAREST POWER DROP(S).

KEYNOTES

16.131	CONNECT TO EXISTING CIRCUIT.
16.145	CONNECT CIRCUIT(S) TO EXISTING BRANCH CIRCUITRY. MINIMUM WIRE SIZE AND PANELBOARD CIRCUIT ARE NOTED. VERIFY SIZE, RATING AND CONDITION OF EXISTING BRANCH CIRCUIT CONDUIT AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET REQUIRED SIZE, AND ALL U.L. RATINGS AND REPLACE AS REQUIRED.
16.489	RELOCATE, EXTEND, AND RECONNECT CIRCUITRY AND ELECTRICAL DEVICES FOR RELOCATED AND/OR NEW EQUIPMENT. VERIFY CONDITION OF BRANCH CIRCUITRY, CONDUIT AND WIRE TO ENSURE THEY MEET ALL U.L. RATINGS AND REPLACE AS REQUIRED. VERIFY FINAL LOCATION OF RELOCATED/NEW EQUIPMENT WITH WALMART CONSTRUCTION MANAGER PRIOR TO ROUGH-IN.

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POWER DROP PLAN

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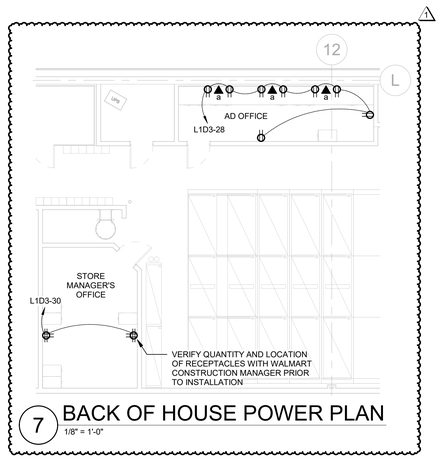
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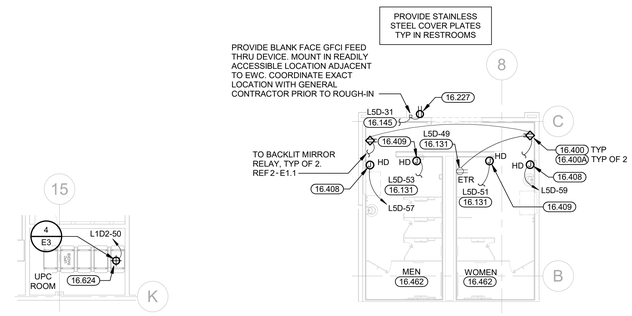
XXX	FEEDER OR GROUND SIZE

KEYNOTES

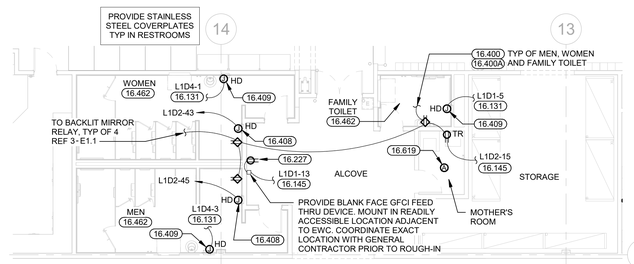
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16.227	ELECTRIC WATER COOLER RECEPTACLE: CONCEAL WITHIN CABINET PER MANUFACTURER'S REQUIREMENTS.
16.400	SCENT SYSTEM: ONCE INSTALLATION OF ALL SCENT SYSTEM RECEPTACLES HAS BEEN FINALIZED, CONTACT OWNERS SCENT SYSTEM VENDOR FOR INSTALLATION OF SCENT SYSTEMS PER SPEC SECTION APPENDIX A.
16.400A	SCENT SYSTEM RECEPTACLES: MOUNT AT 13" BELOW CEILING AND ENSURE NO OBSTRUCTIONS WITHIN 4" LEFT AND RIGHT OF RECEPTACLE.
16.408	NEW HAND DRYER: REFER TO ARCHITECTURAL DETAILS AND MANUFACTURER'S INSTRUCTIONS FOR ROUGH-IN AND MOUNTING REQUIREMENTS.
16.409	HAND DRYER TO BE REPLACED: REFER TO ARCHITECTURAL DETAILS AND MANUFACTURER'S INSTRUCTIONS FOR ROUGH-IN AND MOUNTING REQUIREMENTS.
16.462	EXISTING OFFICE AREAS AND/OR RESTROOMS, WILL BE REFURBISHED BY OTHERS. REMOVE ALL ELECTRICAL ITEMS FROM WALLS AND CEILING, INCLUDING HAND DRYERS, RECEPTACLES, SWITCHES, AND LIGHTING FIXTURES AS REQUIRED. INSTALL AND RECONNECT AFTER NEW FINISHES ARE IN PLACE. COORDINATE EXTENT OF WORK WITH GENERAL CONTRACTOR AND WAL-MART CONSTRUCTION MANAGER.
16.492	E.C. SHALL COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECTURAL DEMOLITION PLANS THE EXTENT OF ELECTRICAL DEMOLITION. REMOVE UNUSED DEVICES, BOXES, CONDUITS, AND WIRING BACK TO ORIGINATING JUNCTION BOXES OR PANELBOARDS. REFERENCE POWER PLANS FOR CIRCUITRY TO BE REUSED. DEMOLITION SHALL NOT AFFECT ACTIVE CIRCUITS. IF CIRCUIT IS DEMOLISHED ALL THE WAY TO PANELBOARD, REMOVE CIRCUIT BREAKER AND REPLACE WITH FILLER PLATE. UPDATE TYPEWRITTEN CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPACE". COORDINATE EXACT REQUIREMENTS WITH EXISTING CONDITIONS PRIOR TO BID.
16.619	PROVIDE RECESSED ALARM JUNCTION BOX IN CEILING WITH 4"x4"x1-1/2" EXTENSION RING WITH RACEWAY ROUTED TO NEAREST ACCESSIBLE CEILING SPACE.
16.624	FURNISH AND INSTALL RACK MOUNTED PDU TRIPP LITE MODEL# PDU1220T OR EQUAL COORDINATE CEILING RECEPTACLE AND PDU LOCATION WITH WALMART SECURITY MANAGER DURING PRE-CONSTRUCTION. ALL WORK SHALL BE COMPLETED AND AVAILABLE FOR SOUND SYSTEM INSTALLATION NO LATER THAN 21 DAYS FROM CONSTRUCTION START DATE. SOUND SYSTEM EQUIPMENT BY OTHERS.
16.775	E.C. SHALL DISCONNECT, EXTEND, AND RECONNECT ALL ELECTRICAL CIRCUITRY FOR NEW OR RELOCATED EQUIPMENT. REFERENCE POWER PLANS AS APPLICABLE. VERIFY CONDITION OF BRANCH CIRCUIT, CONDUIT, AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET ALL U.L. RATINGS AND REPLACE AS REQUIRED. COORDINATE THIS PROCESS WITH CONSTRUCTION MANAGER TO MINIMIZE DOWNTIME. LABEL ALL ASSOCIATED PANELBOARD SCHEDULES TO REFLECT LOAD DESCRIPTIONS.



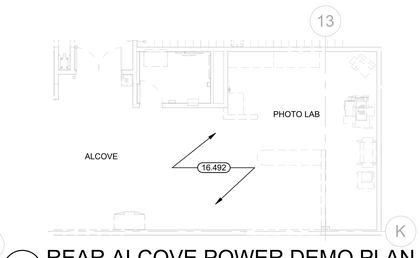
7 BACK OF HOUSE POWER PLAN
1/8" = 1'-0"



5 FRONT RESTROOM POWER PLAN
1/8" = 1'-0"

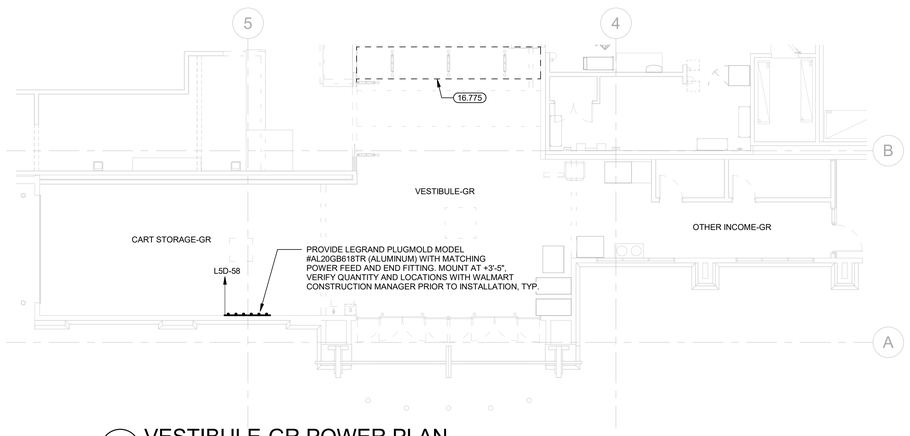


4 REAR RESTROOM POWER PLAN
1/8" = 1'-0"

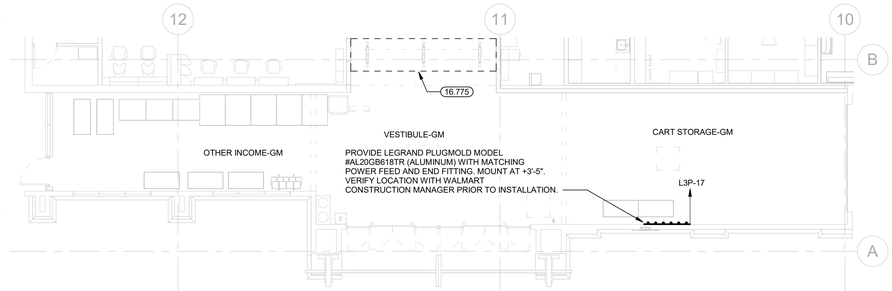


3 REAR ALCOVE POWER DEMO PLAN
1/8" = 1'-0"

6 UPC POWER PLAN
1/8" = 1'-0"



2 VESTIBULE-GR POWER PLAN
1/8" = 1'-0"



1 VESTIBULE-GM POWER PLAN
1/8" = 1'-0"

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ROBERT DALE HARGIS
STATE OF WASHINGTON
35736
REGISTERED PROFESSIONAL ENGINEER
08/22/2024

ENLARGED POWER PLANS

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FEEDER SCHEDULE

ALL CONDUIT AND CONDUCTOR SIZES ARE BASED ON EMT WITH 40% FILL, 75ºC RATED TERMINATIONS AND TYPE THHN/THWN-2 INSULATION. FOR NON-EMT CONDUIT OR TERMINATIONS OR INSULATION TYPES RATED LESS THAN 75ºC, MODIFY SIZES ACCORDING TO NEC.

XXX **FEEDER OR GROUND SIZE**

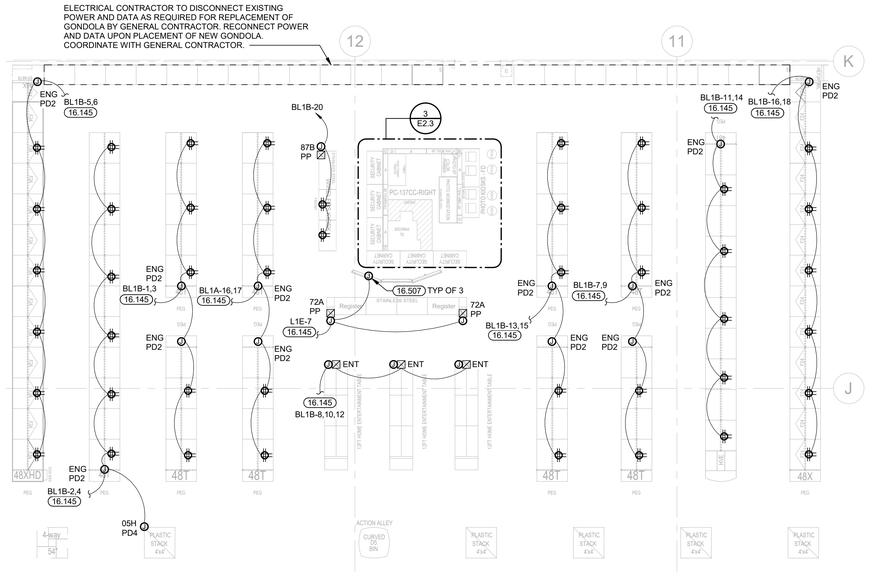
KEYNOTES

16.145 CONNECT CIRCUIT(S) TO EXISTING BRANCH CIRCUITRY. MINIMUM WIRE SIZE AND PANELBOARD CIRCUIT ARE NOTED. VERIFY SIZE, RATING AND CONDITION OF EXISTING BRANCH CIRCUIT CONDUIT AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET REQUIRED SIZE, AND ALL U.L. RATINGS AND REPLACE AS REQUIRED.

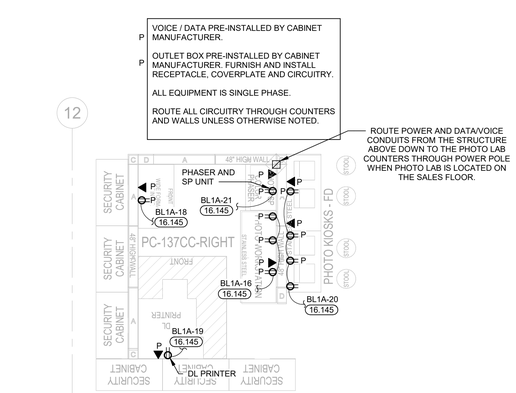
16.489 RELOCATE, EXTEND, AND RECONNECT CIRCUITRY AND ELECTRICAL DEVICES FOR RELOCATED AND/OR NEW EQUIPMENT. VERIFY CONDITION OF BRANCH CIRCUITRY, CONDUIT AND WIRE TO ENSURE THEY MEET ALL U.L. RATINGS AND REPLACE AS REQUIRED. VERIFY FINAL LOCATION OF RELOCATED/NEW EQUIPMENT WITH WALMART CONSTRUCTION MANAGER PRIOR TO ROUGH-IN.

16.492 E.C. SHALL COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECTURAL DEMOLITION PLANS THE EXTENT OF ELECTRICAL DEMOLITION. REMOVE UNUSED DEVICES, BOXES, CONDUITS, AND WIRING BACK TO ORIGINATING JUNCTION BOXES OR PANELBOARDS. REFERENCE POWER PLANS FOR CIRCUITRY TO BE REUSED. DEMOLITION SHALL NOT AFFECT ACTIVE CIRCUITS. IF CIRCUIT IS DEMOLISHED ALL THE WAY TO PANELBOARD, REMOVE CIRCUIT BREAKER AND REPLACE WITH FILLER PLATE. UPDATE TYPEWRITTEN CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPACE". COORDINATE EXACT REQUIREMENTS WITH EXISTING CONDITIONS PRIOR TO BID.

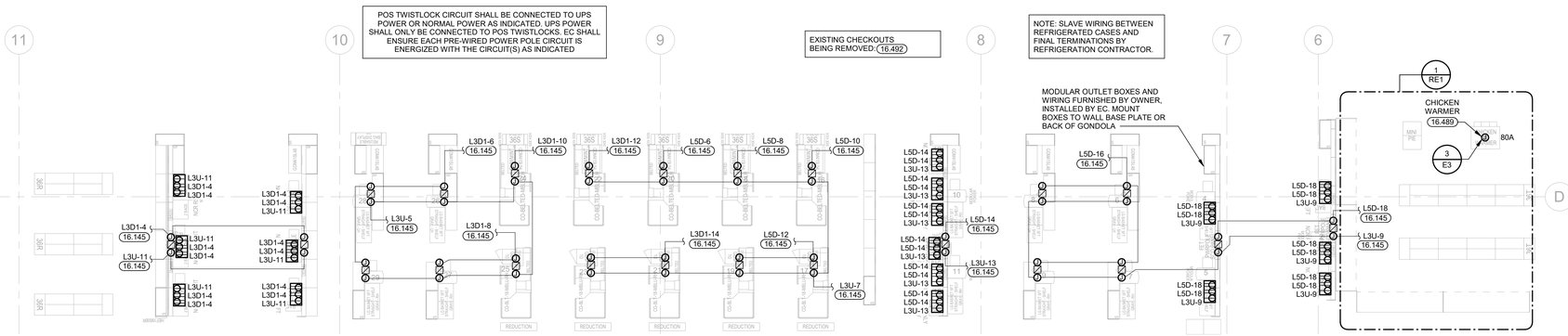
16.507 DIGITAL DISPLAYS: MOUNT JUNCTION BOX AT STRUCTURE. AFTER INSTALLATION OF DROP POLE AND DISPLAY MOUNTING BRACKET, EXTEND CONDUCTORS IN ½" FLEXIBLE METAL CONDUIT, ROUTED INSIDE DROP POLE, TO EACH DISPLAY MOUNTING BRACKET. PROVIDE 120V, 20A DUPLEX RECEPTACLE ON REAR OF EACH DISPLAY MOUNTING BRACKET AND MAKE FINAL TERMINATIONS. COORDINATE DISPLAY LOCATIONS WITH STORE SETUP SUPERVISOR.



2 ELECTRONICS POWER PLAN
1/8" = 1'-0"



3 PHOTO CENTER POWER PLAN
1/4" = 1'-0"



1 CHECKSTAND POWER PLAN
1/8" = 1'-0"

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ROBERT DALE SCHNEIDER
REGISTERED PROFESSIONAL ENGINEER
36736
REGISTERED PROFESSIONAL ENGINEER
05/10/2024

ENLARGED POWER PLANS

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ELECTRICAL SYMBOLS LEGEND

12.17.21

(SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)

SYMBOL	DESCRIPTION
	LIGHT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
	LIGHT FIXTURE
	LIGHT FIXTURE, NIGHT LIGHT
	VOLUMETRIC LIGHT FIXTURE
	TRACK LIGHTING
	EXIT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
	EMERGENCY LIGHT (WALL MOUNTED/CEILING MOUNTED)
	EMERGENCY LIGHT REMOTE HEADS (WALL MOUNTED/CEILING MOUNTED)
$	SINGLE POLE SWITCH
$3	3-WAY SWITCH
$4	4-WAY SWITCH
$K	KEYED SWITCH
$D	DIMMER SWITCH
$VS	VARIABLE SPEED SWITCH
$M	MANUAL MOTOR SWITCH
$OS	SINGLE POLE OCCUPANCY SENSOR SWITCH
$OS2	DOUBLE POLE OCCUPANCY SENSOR SWITCH
OS	OCCUPANCY SENSOR SWITCH, FOUR-DIRECTION SENSING
OS	OCCUPANCY SENSOR SWITCH, ONE-DIRECTION SENSING
	RECEPTACLE, DUPLEX
	RECEPTACLE, DUPLEX, MOUNTED HORIZONTALLY
	RECEPTACLE, GFI
	RECEPTACLE, DUPLEX FLUSH FLOOR
	RECEPTACLE, DUPLEX ISOLATED GROUND FLUSH FLOOR
	RECEPTACLE, DOUBLE DUPLEX
	RECEPTACLE, DUPLEX ISOLATED GROUND
	RECEPTACLE, DOUBLE DUPLEX, ISOLATED GROUND
	RECEPTACLE, SIMPLEX TWIST LOCK, L5-15R, UNO
	RECEPTACLE, SIMPLEX TWIST LOCK, ISOLATED GROUND, L5-15R, UNO
	RECEPTACLE, DUPLEX TWIST LOCK, L5-15R, UNO
	RECEPTACLE, DUPLEX TWIST LOCK, ISOLATED GROUND, L5-15R, UNO
	RECEPTACLE, SPECIAL
	RECEPTACLE, SIMPLEX
	RECEPTACLE, PLUG-MOLD
J	JUNCTION BOX (WALL MOUNTED/CEILING MOUNTED)
T	THERMOSTAT (WALL MOUNTED/CEILING MOUNTED)
A	ALARM JUNCTION BOX, (WALL MOUNTED/CEILING MOUNTED)
R	ALARM JUNCTION BOX, FOR REMOTE TEST/RESET (WALL MOUNTED/CEILING MOUNTED)
S	SMOKE DETECTOR
	NON-FUSED DISCONNECT
	FUSED DISCONNECT
	EQUIPMENT CONNECTION POINT (PROVIDED WITH EQUIPMENT)
	CIRCUIT, CONCEALED IN WALLS OR CEILING, E INDICATES EXISTING WIRING
	CIRCUIT, CONCEALED IN SLAB FLOOR, E INDICATES EXISTING WIRING
	CIRCUIT, EXPOSED, E INDICATES EXISTING WIRING
	LOW VOLTAGE WIRING
	CONDUIT SLEEVE
	FLUSH MOUNTED PANELBOARD
	SURFACE MOUNTED PANELBOARD
	TELEPHONE / DATA BOX FOR ISD
	LOW VOLTAGE CABLE BOX FOR OTHER
	TELEPHONE, FLUSH FLOOR
	MOTOR
	TELEPOWER POLE
	PUSH BUTTON
B	BUZZER
SS	SAIL SWITCH JUNCTION BOX
	HORN / STROBE
DH	DOOR HOLD OPEN
TC	TIME CLOCK

ABBREVIATIONS

a, b, c	LOWER CASE LETTERS INDICATE SWITCHING CONFIGURATION
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
C	CONDUIT
CCT	CIRCUIT
CF	CEILING FAN
CW	CASH WRAP
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
G	GROUND
GC	GENERAL CONTRACTOR
GFEP	GROUND FAULT EQUIPMENT PROTECTION
GFI	GROUND FAULT CIRCUIT INTERRUPTER
HD	HAND DRYER
IG	ISOLATED GROUND
LCU	LIGHTING CONTROL UNIT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
REC	REFRIGERATION ELECTRICAL CONTRACTOR
RC	REFRIGERATION CONTRACTOR
RH	RADIANT HEATER
SC	SECURITY CAMERA
TR	TAMPER RESISTANT
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
WH	WATER HEATER
WP	WEATHER PROOF
WR	WEATHER RESISTANT

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VOICE/DATA ROUGH-IN SCHEDULE

06.24.22

DROP	ROUGH-IN NOTES:
▼a	FLUSH MOUNT JUNCTION BOX AT +20" (UNO) WITH (1) 3/4" CONDUIT STUBBED 12" ABOVE LAY-IN CEILING.
▼b	FLUSH MOUNT JUNCTION BOX AT +20" (UNO) WITH (1) 3/4" CONDUIT ROUTED TO NEAREST ACCESSIBLE CEILING SPACE.
▼c	SURFACE MOUNT JUNCTION BOX AT +66" (UNO) WITH (1) 3/4" CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE.
▼j	SURFACE MOUNT JUNCTION BOX ADJACENT TO PACK CONTROLLER WITH (1) 3/4" CONDUIT STUBBED TO BUILDING ACCESSIBLE CEILING SPACE. COORDINATE PACK CONTROLLER JUNCTION BOX LOCATION WITH BAS INSTALLER.

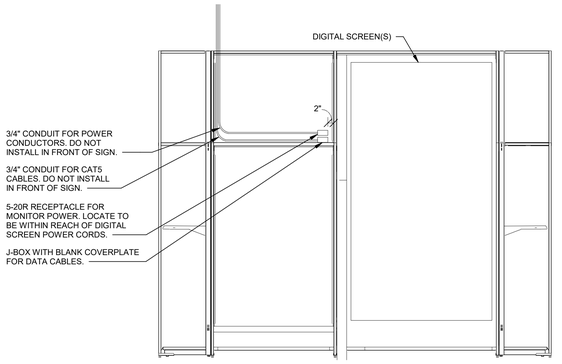
SCHEDULE GENERAL NOTES:

1. ALL JUNCTION BOXES SHALL BE DOUBLE GANG WITH SINGLE GANG PLASTER RING UNLESS NOTED OTHERWISE ON SCHEDULE.
2. ALL JUNCTION BOXES TO BE ROUGHED IN AT SCHEDULED HEIGHT UNLESS NOTED OTHERWISE ON DRAWINGS.
3. ALL CONDUITS SHALL BE TERMINATED WITH BUSHINGS.
4. PROVIDE PULL WIRE WITH EACH EMPTY RACEWAY (JUNCTION BOX/CONDUIT) INSTALLED.
5. CONDUIT RUNS SHALL HAVE NO MORE THAN 90 DEGREES OF TRANSITION BETWEEN PULL BOXES.
6. WHERE CONDUIT(S) TRAVERSE AREAS WITH CEILINGS OPEN TO STRUCTURE, CONDUIT(S) SHALL BE CONCEALED AS WELL AS POSSIBLE FROM VIEW FROM CUSTOMER AREA.
7. FOR CONDUIT RUNS SCHEDULED WITH 1-1/2" OR LARGER CONDUIT UTILIZE LARGE RADIUS SWEEPS AT POINTS OF TRANSITION.
8. ACCESSIBLE CEILING SPACE SHALL BE CONSIDERED 12 INCHES ABOVE A LAY-IN CEILING OR ABOVE BAR JOIST ACCESSIBLE BY A SCISSOR LIFT FOR AREAS OPEN TO STRUCTURE.

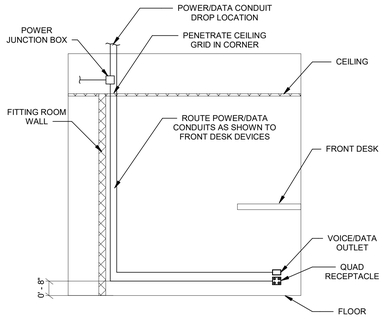
GENERAL NOTES

08.28.20

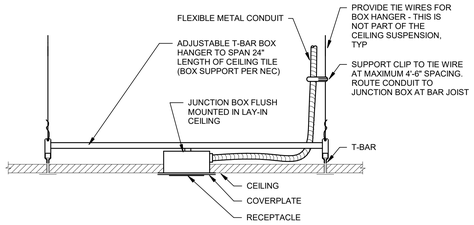
1. FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT, AND LABOR, FOR A COMPLETE INSTALLATION IN ALL RESPECTS, READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH NEC, NESC, STATE, AND LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS. PAY ALL NECESSARY FEES AND PERMITS.
   A. NO CIRCUITRY SHALL BE ALLOWED TO BE ROUTED ACROSS THE ROOF OR THE EXTERIOR SIDE OF THE EXTERIOR WALLS.
   B. ALL EQUIPMENT SHALL BE UL LISTED WHERE APPLICABLE.
   C. ARRANGE ALL WORK TO MINIMIZE DISRUPTIONS TO STORE OPERATIONS. COORDINATE ALL DISRUPTIONS WITH WALMART CONSTRUCTION MANAGER AND STORE MANAGER.
   D. CONTRACTOR SHALL VERIFY ALL WALL FINISH THICKNESS BEFORE INSTALLING BOXES. FURNISH AND INSTALL EXTENDED BOXES OR BOX EXTENDERS WHERE REQUIRED.
   E. CONTRACTOR SHALL VERIFY THAT ALL AFFECTED PANELBOARDS HAVE CIRCUIT BREAKER KNOCKOUTS PROPERLY COVERED AND ALL TRIM IS IN GOOD CONDITION, ALLOWING NO ACCESS TO LIVE PARTS.
2. PROVIDE SEALS AT RACEWAY PENETRATIONS AS FOLLOWS:
   A. FIRE RATED WALLS: SEAL PER SPECIFICATIONS FOR FIRE STOPPING.
   B. NEUTRALIZATION AREA: SEAL PER MECHANICAL DETAIL.
   C. FREEZER/COOLER BOXES: SEAL WITH EXPANDING FOAM SEALANT.
   D. EXTERIOR: REFER TO ARCHITECTURAL DOCUMENTS FOR SEALING REQUIREMENTS AT ALL EXTERIOR MOUNTED DEVICES, FIXTURES, ENCLOSURES, AND RACEWAY PENETRATIONS.
3. PROVIDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR (SIZE PER NEC) IN PVC TYPE CONDUIT, POWER AND LIGHTING CIRCUITS, ISOLATED GROUND CIRCUITS, OR AS SHOWN ON PLANS. CONDUIT SHALL BE SIZED PER NEC BASED ON THWN 600 VOLT COPPER SINGLE CONDUCTORS, PLUS THE EQUIPMENT GROUNDING CONDUCTOR.
4. WIRING DEVICES: DEVICE MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTER OF OUTLET BOX UNLESS NOTED OTHERWISE ON PLANS. COORDINATE THE STANDARD MOUNTING HEIGHTS WITH MASONRY:
   A. SWITCHES +44"
   B. RECEPTACLES +20"
   C. VOICE/DATA +20"
5. WIRING SHALL INCLUDE FINAL CONNECTION TO ALL EQUIPMENT IN CONFORMANCE WITH EQUIPMENT SUPPLIER WIRING DIAGRAMS.
6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AN UPDATED AND COMPLETE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE FOR EVERY PANELBOARD AFFECTED BY THIS PROJECT.
7. NEW OVERCURRENT PROTECTIVE DEVICES INSTALLED IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTIVE DEVICES.
8. BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE IN SCHEDULES. WHERE 20A BRANCH CIRCUITS HAVE #8 AND LARGER WIRE SPECIFIED, #10 AWG WIRE SHALL BE USED FOR THE FINAL CONNECTION (15-FT MAXIMUM).
9. WHERE BRANCH CIRCUITS ARE GROUPED, SIZE CONDUIT AND DERATE CURRENT CARRYING CONDUCTORS PER NEC.
10. PROVIDE UL LISTED HANDLE TIES ON ALL MULTIWIRE BRANCH CIRCUITS PER NEC REQUIREMENTS.
11. SUPPORTS FROM STRUCTURE: NO ATTACHMENT OF ANY TYPE SHALL BE MADE TO BRIDGING OR JOIST WEB MEMBERS. UTILIZE ONLY THE TOP AND BOTTOM CHORDS FOR SUPPORTING THE ELECTRICAL SYSTEM INSTALLATIONS.
12. DEVICES SHOWN ON COOLER/FREEZER PANELS SHALL BE SURFACE MOUNTED UNLESS NOTED OTHERWISE. SEAL DEVICES TO COOLER/FREEZER PANELS WITH SILICONE SEALANT.
13. SURFACE MOUNTED CONDUIT ON COOLER/FREEZER PANELS OR IN FOOD PREP AREAS SHALL BE INSTALLED WITH GALVANIZED 1/2" STANDOFF CONDUIT HANGERS TO ALLOW FOR CLEANING.
14. ONLY FEEDER CIRCUITS NOTED ON THE ONE LINE DIAGRAM AND BRANCH CIRCUITS NOTED BY LEGEND SHALL BE INSTALLED UNDER SLAB. PROVIDE EXTERIOR COATED GRC BENDS ON ALL CONDUIT RUNS THAT HAVE 45 DEGREE BENDS OR GREATER. REFER TO SPECIFICATION SECTION 16.100 FOR UNDER SLAB.
15. SEISMIC ZONE REQUIREMENTS: PROVIDE EXPANSION COUPLINGS AND BRACING FOR ELECTRICAL EQUIPMENT AS REQUIRED BY LOCAL CODES.
16. EXISTING ELECTRICAL AND ALARM:
   A. WHERE DEMOLITION OR NEW CONSTRUCTION INTERRUPTS EXISTING ELECTRICAL CIRCUITS FEEDING EXISTING EQUIPMENT, DEVICES, OR LIGHTING TO REMAIN, BUT NOT SHOWN ON DRAWINGS, PROVIDE LABOR AND MATERIALS TO REWORK CIRCUITRY, AS REQUIRED, TO MAINTAIN EXISTING OPERATION.
   B. IF DEMOLITION OR NEW CONSTRUCTION WILL DISRUPT EXISTING UNDERGROUND SERVICES (ELECTRICAL, TELEPHONE, PARKING LOTLIGHTING CIRCUITRY, ETC.) PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO REROUTE, SLEEVE, OR OTHERWISE REWORK THESE SERVICES TO MAINTAIN THEIR EXISTING OPERATION.
   C. EXERCISE CAUTION AROUND ALARM AND SECURITY CABLES DURING DEMOLITION AND CONSTRUCTION. PROTECT ALARM AND SECURITY CABLES FROM ACCIDENTAL DAMAGE SO THAT SYSTEMS REMAIN OPERATIONAL AT ALL TIMES.
   D. DISPOSE OF ALL REMOVED MATERIALS, UNLESS OTHERWISE NOTED.
17. EXISTING ELECTRICAL DEMOLITION:
   A. GENERAL: REMOVE OR RELOCATE EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND CONDUCTORS AS INDICATED ON THE DRAWINGS, OR ONLY AS REQUIRED BY DEMOLITION. REMOVE ALL PANELBOARDS, DISCONNECT SWITCHES, BOXES, RELAYS, TIME SWITCHES, LIGHTS, DEVICES, ETC., WHICH WILL NOT BE REUSED.
   B. SALES FLOOR: REMOVE UNUSED POWER DROP CONDUIT, CONDUCTORS AND RELATED DEVICES SERVING SALES AREA GONDOLAS BEING RELOCATED OR REMOVED. EXISTING CONDUIT AND CONDUCTORS MAY BE REUSED FOR NEW POWER DROPS WHERE SIZE, RATING, AND CONDITION MEET REQUIREMENTS INDICATED ON PLANS AND ALL U.L. RATINGS. REMOVE ALL UNUSED CONDUIT AND CONDUCTORS BACK TO POINT OF ORIGIN WHENEVER FEASIBLE. IF CIRCUIT IS NOT REUSED, REMOVE CIRCUIT BREAKER AND REPLACE WITH FILLER PLATE. EXCEPTION: DISTRIBUTION AND POWER SWITCH BREAKERS SHALL BE ETR AS "SPARE". PROVIDE HANDLE LOCK OFF DEVICE TO LOCK "SPARE" CIRCUIT BREAKER IN THE "OFF" POSITION. UPDATE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE AS "SPACE" OR "SPARE".
   C. CONDUIT AND WIRING TO BE ABANDONED IN CEILING SPACES AND OTHER NON-PUBLIC AREAS (I.E., THROUGH STOCKROOM AREA): CUT WIRING LOOSE AND REMOVE FROM RACEWAY(S), LEAVING RACEWAY(S) IN PLACE. CONDUIT TO BE ABANDONED IN WALLS OR FLOORS SHALL BE REMOVED BACK TO FINISHED SURFACE AND CAPPED INSIDE. REPAIR SURFACE(S) TO MATCH ADJACENT.
   D. ALL CIRCUIT BREAKERS SERVING BRANCH CIRCUITS TO BE REMOVED SHALL ALSO BE REMOVED. REMOVE CIRCUIT BREAKER AND REPLACE WITH FILLER PLATE. EXCEPTION: DISTRIBUTION AND POWER SWITCH BREAKERS SHALL BE ETR AS "SPARE". PROVIDE HANDLE LOCK OFF DEVICE TO LOCK "SPARE" CIRCUIT BREAKER IN THE "OFF" POSITION. UPDATE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE AS "SPACE" OR "SPARE".
   E. DEMOLISHED FLORESCENT LIGHT FIXTURES: REFER TO SELECTIVE SITE DEMOLITION SPECIFICATION FOR DISPOSAL OF LIGHT FIXTURE.
   F. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
18. DATA AND PHONE CONDUIT INSTALLATION MILESTONE DATE: ALL RACEWAY AND CONDUIT SLEEVES FOR DATA AND PHONE CABLING TO BE INSTALLED 3 WEEKS PRIOR TO CONTRACT SUBSTANTIAL COMPLETION DATE.
19. ETHERNET CABLE:
   A. FURNISH AND INSTALL JUNCTION BOXES AS SHOWN ON PLANS. PROVIDE CONDUIT AS REQUIRED BY LOCAL CODES AND/OR ORDINANCES.
   B. ETHERNET CABLE IS FURNISHED BY OTHERS.
   C. ELECTRICAL CONTRACTOR SHALL INSTALL CABLE IN POWER POLES.
   D. ELECTRICAL CONTRACTOR SHALL INSTALL OTHER CABLE AS DIRECTED BY WALMART CONSTRUCTION MANAGER.



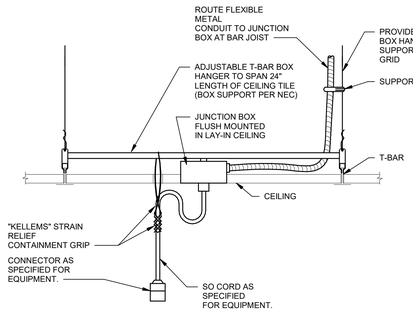
6 FOCAL WALL ELEVATION
NTS 07/27/18



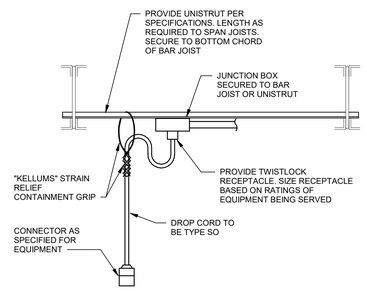
5 FITTING ROOM ELEVATION
NTS 07/27/18



4 CEILING MOUNTED RECEPTACLE
NTS 07/27/18



3 SUSPENDED DROP CORD - LAY-IN CEILING
NTS 07/27/18

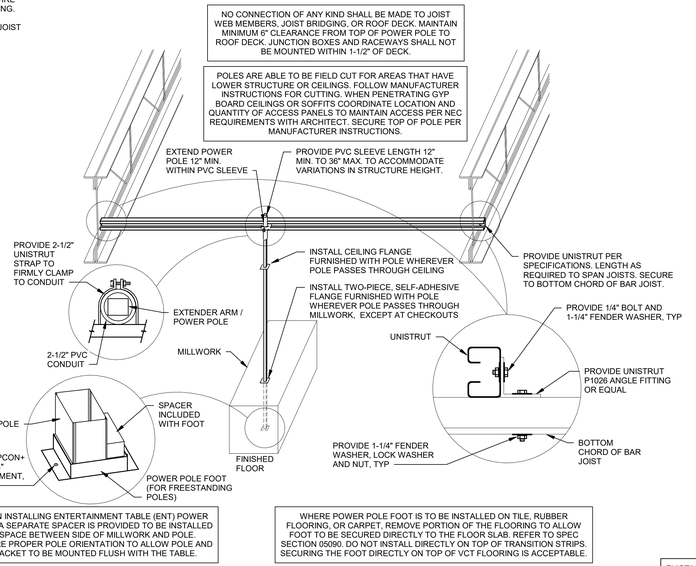


2 SUSPENDED DROP CORD - OPEN STRUCTURE
NTS 07/27/18

INSTALL FURNISHED POWER POLE. MOUNT JUNCTION BOX(ES) TO TOP SIDE OF BOTTOM CHORD OF BAR JOIST. PROVIDE 3/8" FLEXIBLE METAL WHIPS FROM JUNCTION BOX AND CONNECT AT TOP OF POWER POLE. CABLE WHIPS TO POWER POLE SHALL BE INSTALLED IN A NEAT AND WORKMAN-LIKE MANNER. ROUTE WHIPS TO TERMINATIONS ALONG UNISTRUT OR STRUCTURE AND SUPPORT EVERY 12" TO 24" ALONG THE ENTIRE UNCONCEALED LENGTH. EXCESS CABLE SHALL BE KEPT TO A MINIMUM AND TIGHTLY COILED AND ATTACHED TO UNISTRUT OR JOIST.

NO CONNECTION OF ANY KIND SHALL BE MADE TO JOIST WEB MEMBERS, JOIST BRIDGING, OR ROOF DECK. MAINTAIN MINIMUM 6" CLEARANCE FROM TOP OF POWER POLE TO ROOF DECK. JUNCTION BOXES AND RACEWAYS SHALL NOT BE MOUNTED WITHIN 1-1/2" OF DECK.

POLES ARE ABLE TO BE FIELD CUT FOR AREAS THAT HAVE LOWER STRUCTURE OR CEILINGS. FOLLOW MANUFACTURER INSTRUCTIONS FOR CUTTING. WHEN PENETRATING GYP BOARD CEILINGS OR SOFFITS COORDINATE LOCATION AND QUANTITY OF ACCESS PANELS TO MAINTAIN ACCESS PER NEC REQUIREMENTS WITH ARCHITECT. SECURE TOP OF POLE PER MANUFACTURER INSTRUCTIONS.



WHEN INSTALLING ENTERTAINMENT TABLE (ENT) POWER POLE, A SEPARATE SPACER IS PROVIDED TO BE INSTALLED IN SPACE BETWEEN SIDE OF MILLWORK AND POLE. ENSURE PROPER POLE ORIENTATION TO ALLOW POLE AND BRACKET TO BE MOUNTED FLUSH WITH THE TABLE.

WHERE POWER POLE FOOT IS TO BE INSTALLED ON TILE, RUBBER FLOORING, OR CARPET, REMOVE PORTION OF THE FLOORING TO ALLOW FOOT TO BE SECURED DIRECTLY TO THE FLOOR SLAB. REFER TO SPEC SECTION 05090. DO NOT INSTALL DIRECTLY ON TOP OF TRANSITION STRIPS. SECURING THE FOOT DIRECTLY ON TOP OF VCT FLOORING IS ACCEPTABLE.

1 POWER POLE CONNECTION
12" = 1'-0" 07/26/19

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

brr
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City of Puyallup
Development & Permitting Services
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STIPULATION FOR REUSE
THE DRAWING SHEETS PREPARED FOR THIS PROJECT ARE TO BE USED CONFORMANCIOUSLY WITH ITS ISSUE AND ARE NOT SUITABLE FOR USE ON ANOTHER SUITABLE FOR USE ON A DIFFERENT PROJECT WITHOUT THE EXPRESS WRITTEN USE OF THIS DRAWING FOR REFERENCE OR INFORMATION. ALL RIGHTS ARE RESERVED. THE SERVICES OF PROPERTY OF HARGIS ENGINEERS. NO PART MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE PRIOR WRITTEN PERMISSION OF HARGIS ENGINEERS. THIS DRAWING IS NOT TO BE USED AND MAY BE CONTRARY TO THE LAW.

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Walmart
PUYALLUP, WA
310 31ST AVE SE
STORE NO: 02403 - 254
JOB NUMBER: 9654624 PROTO: 182 SC

ISSUE BLOCK

PRCTI20241053

CONTACTOR SCHEDULE

LABEL AS SHOWN:		ENCLOSURE	COIL VOLTS	CONTACTS	NOTES
NO.	LOAD SERVED				
C1	SUSPENDED PRODUCE LIGHTING	NEMA-1	120V	600V, 20A-2P	MECHANICALLY HELD
C2	SUSPENDED PRODUCE LIGHTING	NEMA-1	120V	600V, 20A-2P	MECHANICALLY HELD

NOTE: E.C. TO FURNISH AND INSTALL CONTACTORS. REFER TO BAS SHEETS FOR CONTROL INFORMATION.

FEEDER SCHEDULE

ALL CONDUIT AND CONDUCTOR SIZES ARE BASED ON EMT WITH 40% FILL, 75ºC RATED TERMINATIONS AND TYPE THHN/THWN-2 INSULATION. FOR NON-EMT CONDUIT OR TERMINATIONS OR INSULATION TYPES RATED LESS THAN 75ºC, MODIFY SIZES ACCORDING TO NEC.

XXX FEEDER OR GROUND SIZE

ARC FLASH

ARC FLASH HAZARD WARNING LABELING REQUIREMENTS PER NEC ARE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.

TRANSFORMER

PROVIDE LAMINATED NAMEPLATE FOR ALL TRANSFORMERS WHERE PRIMARY DISCONNECTING MEANS IS NOT LOCATED IN SIGHT OF TRANSFORMER. NAMEPLATE SHALL INDICATE PRIMARY SOURCE OF POWER AND LOCATION OF DISCONNECTING MEANS.

KEYNOTES

POWER INTERRUPTION NOTE

11.30.18

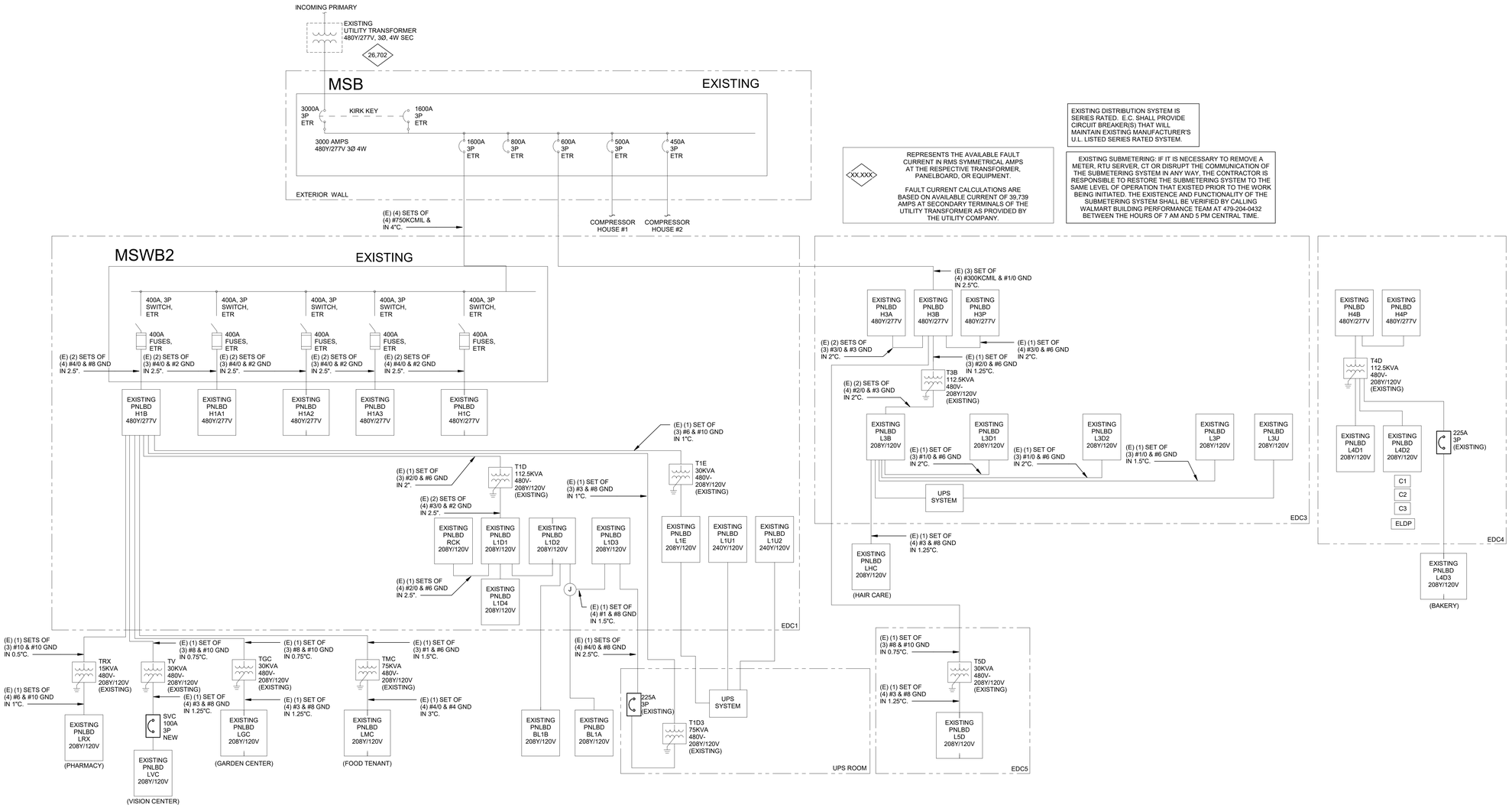
COORDINATE ALL WORK THAT REQUIRES POWER INTERRUPTIONS TO THE STORE WITH THE STORE MANAGER AND THE WALMART CONSTRUCTION MANAGER A MINIMUM OF 48 HOURS IN ADVANCE OF ALL STORE POWER INTERRUPTIONS. IN ADDITION, IF THE MAIN ELECTRICAL SWITCHGEAR REQUIRES WORK AND DOES NOT HAVE A MAIN SERVICE DISCONNECTING MEANS, COORDINATE WITH THE UTILITY COMPANY A MINIMUM OF TWO WEEKS IN ADVANCE OF THE STORE POWER INTERRUPTION. IF STORE IS NOT OPEN 24 HOURS PER DAY, ALL STORE POWER INTERRUPTIONS ARE TO BE ACCOMPLISHED AFTER NORMAL STORE BUSINESS HOURS. PROVIDE TEMPORARY POWER AS REQUIRED PER SPECIFICATIONS. INSTALLATION OF NEW EQUIPMENT SHALL BE COMPLETED AND THE POWER SYSTEM TESTED AND RE-ENERGIZED PRIOR TO THE TIME ESTABLISHED BY THE STORE MANAGER AND THE WALMART CONSTRUCTION MANAGER.

ONE-LINE DIAGRAM LEGEND

11.19.10

- NEW EQUIPMENT
- EXISTING EQUIPMENT
- EQUIPMENT TO BE DEMOLISHED

NOTE:
ALL OF THE ELECTRICAL DEVICES SHOWN ON THE RISER DIAGRAM ARE EXISTING AND ARE BASED UPON AS-BUILT DRAWINGS. E.C. SHALL VERIFY THE EXACT EXISTING CONDITIONS, SIZES AND LOCATIONS OF EQUIPMENT PRIOR TO ROUGH-IN. THIS RISER IS SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ANY NEW DEVICES ARE SHOWN IN BOLD AND ARE NOTED. DURING CONSTRUCTION, THE STORE SHALL STAY OPEN FOR BUSINESS. ANY NECESSARY POWER DOWNTIME SHALL BE SCHEDULED AND APPROVED BY WALMART CONSTRUCTION MANAGER.



1 PARTIAL ONE-LINE DIAGRAM
NTS

REPRESENTS THE AVAILABLE FAULT CURRENT IN RMS SYMMETRICAL AMPS AT THE RESPECTIVE TRANSFORMER, PANELBOARD, OR EQUIPMENT.

FAULT CURRENT CALCULATIONS ARE BASED ON AVAILABLE CURRENT OF 39,739 AMPS AT SECONDARY TERMINALS OF THE UTILITY TRANSFORMER AS PROVIDED BY THE UTILITY COMPANY.

EXISTING DISTRIBUTION SYSTEM IS SERIES RATED. E.C. SHALL PROVIDE CIRCUIT BREAKER(S) THAT WILL MAINTAIN EXISTING MANUFACTURER'S U.L. LISTED SERIES RATED SYSTEM.

EXISTING SUBMETERING: IF IT IS NECESSARY TO REMOVE A METER, RTU SERVER, CT OR DISRUPT THE COMMUNICATION OF THE SUBMETERING SYSTEM IN ANY WAY, THE CONTRACTOR IS RESPONSIBLE TO RESTORE THE SUBMETERING SYSTEM TO THE SAME LEVEL OF OPERATION THAT EXISTED PRIOR TO THE WORK BEING INITIATED. THE EXISTENCE AND FUNCTIONALITY OF THE SUBMETERING SYSTEM SHALL BE VERIFIED BY CALLING WALMART BUILDING PERFORMANCE TEAM AT 479-204-0432 BETWEEN THE HOURS OF 7 AM AND 5 PM CENTRAL TIME.

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

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STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THIS PROJECT ONLY AND SHALL NOT BE USED IN WHOLE OR IN PART ON ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ARCHITECT. ANY REUSE WITHOUT SUCH PERMISSION SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO THE ARCHITECT. THE USER SHALL INDEMNIFY AND HOLD HARMLESS THE ARCHITECT AGAINST ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM. ANY REPRODUCTION OF THIS DRAWING FOR REUSE OR OTHER PURPOSES REQUIRES THE SERVICES OF PROPERLY REGISTERED ARCHITECT AND ENGINEER. ALTERATION OF THIS DRAWING IN ANY WAY, INCLUDING REMOVAL OF THIS NOTICE, IS PROHIBITED AND MAY BE CONTRARY TO STATE AND FEDERAL LAW.

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Walmart
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310 31ST AVE SE
STORE NO: 02403 - 254
JOB NUMBER: 9654624 PROTO: 182 SC

ISSUE BLOCK

CHECKED BY:	RS
DRAWN BY:	AT
PROTO CYCLE:	03/29/24
DOCUMENT DATE:	05/10/24

PRCTI20241053

ROBERT DALE PETERSEN
STATE OF WASHINGTON
16736
REGISTERED PROFESSIONAL ENGINEER
05/10/2024

ELECTRICAL ONE-LINE, DETAILS AND SCHEDULES

SHEET: E4

5/10/2024 2:14:49 PM
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PRCTI20241053

(E) PANEL 'L1D2 SEC-1'

PANEL SCHEDULE : 04/22/2024 — PROJECT: 02403 Puyallup WA

CLASSIFICATION: NORMAL — VOLTAGE: 208Y/120V 3Ø, 4-WIRE — SECTION: 1 OF 2
FED FROM: — MAINS: 175A MLO + FEED-THRU LUGS
MOUNTING: FIELD VERIFY — NEUTRAL: 100% RATED

NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER AMPS	POLE	LOAD (VA)	Ø	LOAD (VA)	BREAKER AMPS	POLE	CKT NO.	ITEM DESCRIPTION	NOTE
	RTU RECEPTACLES	1	20	1	1280	A	1600	20	1	2	FIRE ALARM	
	RTU RECEPTACLES	3	20	1	1280	B	1600	20	1	4	FIRE ALARM	
	EDC LIGHTS	5	20	1	360	C	1600	20	1	6	FIRE ALARM	
	SPARE	7	20	1		A	2250	50	2	8	WATER HEATER	
	998 DOG FOOD COOLER	9	20	1	**1296**	B	2250			10		
	SPARE	11	20	1		C	**128**	20	1	12	**VIGNETTE**	
	WATER HEATER	13	25	1	2000	A	360	20	1	14	VENDING	
	SPARE	15	20	1		B	1000	20	1	16	VENDING	
	SPARE	17	20	1		C	1440	20	1	18	99A AQUARIUM WALL	
	SPARE	19	20	1		A	240	20	1	20	99A AQUARIUM WALL	
	ICU3	21	20	1	180	B		20	1	22	SPARE	
	L.CMFP	23	20	1	360	C	960	20	1	24	FIRE DOORS	
	EPG	25	20	1	50	A	50	20	1	26	50VA XFMR	
	WIRE/PCIS/PROMO/SEASONAL	27	20	1	1080	B	500	20	1	28	BATTERY CHARGER	
	91A SEASONAL DROP	29	20	1	1080	C	500	20	1	30	BATTERY CHARGER	

LOAD CALCULATIONS

LOAD DESCRIPTION	CONN. (VA)	DEMAND FACTOR	CALC. (VA)
MISCELLANEOUS CONTINUOUS		125%	
EQUIPMENT & MISCELLANEOUS	53810	100%	53810
LIGHTING	3280	125%	4100
LARGEST MOTOR	-	125%	-
MOTORS	-	100%	-
RECEPTACLE	3460	100%	3460
RECEPTACLES OVER 10KVA	-	50%	-
TOTALS:	**60,550**		**61,370**

CONNECTED LOAD - SEC. 2 : 38,466 VA

LOAD SUMMARY

TOTAL CONNECTED LOAD	AMPS
PHASE A: 21,840 VA	182 A
PHASE B: 21,742 VA	181 A
PHASE C: 16,968 VA	141 A

TOTAL CALCULATED LOAD: 61,370 VA

TOTAL CALCULATED AMPS: 170 A

NOTES:
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(E) PANEL 'L1D2 SEC-2'

PANEL SCHEDULE : 04/24/2024 — PROJECT: 02403 Puyallup WA

CLASSIFICATION: NORMAL — VOLTAGE: 208Y/120V 3Ø, 4-WIRE — SECTION: 2 OF 2
FED FROM: (E) PANEL 'L1D2 SEC-1' — MAINS: 175A main LUGS ONLY
MOUNTING: FIELD VERIFY — NEUTRAL: 100% RATED

NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER AMPS	POLE	LOAD (VA)	Ø	LOAD (VA)	BREAKER AMPS	POLE	CKT NO.	ITEM DESCRIPTION	NOTE
	FRONT CANOPY SIGNAGE	31	20	1	1200	A	360	20	1	32	SAMPS (25)	
	11A SEASONAL DROP	33	20	1	1080	B	360	20	1	34	LAMPS (25)	
	91A SEASONAL DROP	35	20	1	1080	C	720	20	1	36	MUSIC EISC/SEASONAL/PTV	
	HARDLINE SERVICES	37	20	1	**720**	A		20	1	38	SPARE (24)	
	HARDLINE SERVICES	39	20	1	**720**	B	1000	20	1	40	SECURITY LIGHTING	
	SPARE (24)	41	20	1		C	**900**	20	1	42	11A SEASONAL DROP	
	HAND DRYER	43	20	1	**1450**	A	**900**	20	1	44	11A SEASONAL DROP	
	HAND DRYER	45	20	1	**1450**	B	650	20	1	46	PAINT BOOTH	
	PAINT & PAINT MIXER	47	20	1	1000	C	900	20	1	48	GARDEN RECEPTS	
	10B AUTO SOUND	49	20	1	180	A	**1000**	**20**	**1**	50	**SOUND SYSTEM**	**1**
	T2A COLOR CHIP BOARD	51	20	1	**456**	B	**360**	**20**	**1**	52	**APPAREL WORK STATION**	**1**
	EDC RECEPT	53	20	1		C		20	1	54	SPACE	
	12B PAINT MIXING BOOTH	55	20	1	1580	A	7980	100	3	56	E) PANEL 'BL1B'	
	FIRE DOORS	57	20	1		B	6480	-	-	58		
	DISTRICT MANAGER	59	20	1	360	C	5580	-	-	60		

LOAD CALCULATIONS

LOAD DESCRIPTION	CONN. (VA)	DEMAND FACTOR	CALC. (VA)
MISCELLANEOUS CONTINUOUS		125%	
EQUIPMENT & MISCELLANEOUS	34646	100%	34646
LIGHTING	2920	125%	3650
LARGEST MOTOR	-	125%	-
MOTORS	-	100%	-
RECEPTACLE	900	100%	900
RECEPTACLES OVER 10KVA	-	50%	-
TOTALS:	**38,466**		**39,196**

LOAD SUMMARY

TOTAL CONNECTED LOAD	AMPS
PHASE A: 15,370 VA	128 A
PHASE B: 12,556 VA	105 A
PHASE C: 10,540 VA	88 A

TOTAL CALCULATED LOAD: 39,196 VA

TOTAL CALCULATED AMPS: 109 A

NOTES:
1. PROVIDE AND INSTALL NEW BREAKER, AIC AND MANUFACTURER TO MATCH EXISTING
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(E) PANEL 'BL1B'

PANEL SCHEDULE : 05/09/2024 — PROJECT: 02403 Puyallup WA

CLASSIFICATION: NORMAL — VOLTAGE: 208Y/120V 3Ø, 4-WIRE — SECTION: 1 OF 1
FED FROM: (E) PANEL 'L1D2 SEC-2' — MAINS: 100A MAIN LUGS ONLY
MOUNTING: FIELD VERIFY — NEUTRAL: 100% RATED

NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER AMPS	POLE	LOAD (VA)	Ø	LOAD (VA)	BREAKER AMPS	POLE	CKT NO.	ITEM DESCRIPTION	NOTE
	ENG ELECTRONICS GONDOLA	1	20	1	**900**	A	**1080**	20	1	2	ENG ELECTRONICS GONDOLA	
	ENG ELECTRONICS GONDOLA	3	20	1	**900**	B	**1260**	20	1	4	ENG ELECTRONICS GONDOLA	
	ENG ELECTRONICS GONDOLA	5	20	1	**900**	C	**1080**	20	1	6	**ENG ENTERTAINMENT GONDOLA**	
	ENG ENTERTAINMENT GONDOLA	7	20	1	**900**	A	1080	20	1	8	ELECT ENTERTAINMENT TABLE	
	ENG ENTERTAINMENT GONDOLA	9	20	1	**900**	B	1080	20	1	10	ELECT ENTERTAINMENT TABLE	
	ENG ELECTRONICS GONDOLA	11	20	1	**900**	C	1080	20	1	12	ELECT ENTERTAINMENT TABLE	
	ENG ELECTRONICS GONDOLA	13	20	1	**900**	A	1080	20	1	14	ENG ELECTRONICS GONDOLA	
	ENG ELECTRONICS GONDOLA	15	20	1	**900**	B	1440	20	1	16	ENG ELECTRONICS GONDOLA	
	SPARE	17	20	1		C	1440	20	1	18	ENG ELECTRONICS GONDOLA	
1	**BEER SIGN RECEPTACLE (6)**	19	**20**	1	840	A	**840**	**20**	1	20	**87B CONNECTION CENTER**	1
	SPACE	21	20	1		B		20	1	22	SPACE	
	SPACE	23	20	1		C		20	1	24	SPACE	

LOAD CALCULATIONS

LOAD DESCRIPTION	CONN. (VA)	DEMAND FACTOR	CALC. (VA)
MISCELLANEOUS CONTINUOUS		125%	
EQUIPMENT & MISCELLANEOUS	20040	100%	20040
LIGHTING	-	125%	-
LARGEST MOTOR	-	125%	-
MOTORS	-	100%	-
RECEPTACLE	-	100%	-
RECEPTACLES OVER 10KVA	-	50%	-
TOTALS:	**20,040**		**20,040**

LOAD SUMMARY

TOTAL CONNECTED LOAD	AMPS
PHASE A: 7,960 VA	67 A
PHASE B: 6,480 VA	54 A
PHASE C: 5,580 VA	47 A

TOTAL CALCULATED LOAD: 20,040 VA

TOTAL CALCULATED AMPS: 56 A

NOTES:
1. PROVIDE AND INSTALL NEW BREAKER, AIC AND MANUFACTURER TO MATCH EXISTING
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(E) PANEL 'LP'

PANEL SCHEDULE : 04/22/2024 — PROJECT: 02403 Puyallup WA

CLASSIFICATION: NORMAL — VOLTAGE: 208Y/120V 3Ø, 4-WIRE — SECTION: 1 OF 1
FED FROM: — MAINS: 60A MAIN CIRCUIT BREAKER
MOUNTING: FIELD VERIFY — NEUTRAL: 100% RATED

NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER AMPS	POLE	LOAD (VA)	Ø	LOAD (VA)	BREAKER AMPS	POLE	CKT NO.	ITEM DESCRIPTION	NOTE
	FRONT CHECKOUT	1	20	1	**720**	A	**720**	20	1	2	FRONT CHECKOUT	
	TOILET EF	3	20	1	750	B	**720**	20	1	4	RECEPTACLES	
	HSR COMPUTER	5	20	1	180	C	**720**	20	1	6	RECEPTACLES	
	FRONT ROLLUP DOOR	7	20	1	1200	A		20	1	8	SPARE (24)	
	WATER HEATER	9	25	1	2000	B	180	20	1	10	COUNTER RECEPTACLES	
	PILL RACK RECEPTACLES	11	20	1	900	C	540	20	1	12	COUNTER RECEPTACLES	
	SPARE (24)	13	20	1		A	**720**	20	1	14	LASER PRINTER	
	SPARE (24)	15	20	1		B	**720**	20	1	16	LASER PRINTER	
	SPARE (24)	17	20	1		C	540	20	1	18	COUNTER RECEPTACLES	
	HEALTH SERVICES RECEPT	19	20	1	**720**	A	180	20	1	20	RECEPTACLE	
	RECEPTACLES	21	20	1	**1440**	B	**650**	20	1	22	REFRIGERATOR	
	HEALTH SERVICES LIGHTING	23	20	1	90	C	**768**	20	1	24	**4KV RX KIOSK**	
	SPACE	25	20	1		A	**650**	**20**	**1**	26	**REFRIGERATOR**	**1**
	SPACE	27	20	1		B		20	1	28	SPACE	
	SPACE	29	20	1		C		20	1	30	SPACE	

LOAD CALCULATIONS

LOAD DESCRIPTION	CONN. (VA)	DEMAND FACTOR	CALC. (VA)
MISCELLANEOUS CONTINUOUS		125%	
EQUIPMENT & MISCELLANEOUS	9798	100%	9798
LIGHTING	90	125%	113
LARGEST MOTOR	-	125%	-
MOTORS	-	100%	-
RECEPTACLE	5220	100%	5220
RECEPTACLES OVER 10KVA	-	50%	-
TOTALS:	**15,108**		**15,131**

LOAD SUMMARY

TOTAL CONNECTED LOAD	AMPS
PHASE A: 4,910 VA	41 A
PHASE B: 6,460 VA	54 A
PHASE C: 3,738 VA	31 A

TOTAL CALCULATED LOAD: 15,131 VA

TOTAL CALCULATED AMPS: 42 A

NOTES:
1. PROVIDE AND INSTALL NEW BREAKER, AIC AND MANUFACTURER TO MATCH EXISTING
2.
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(E) PANEL 'L3D2'

PANEL SCHEDULE : 04/18/2024 — PROJECT: 02403 Puyallup WA

CLASSIFICATION: NORMAL — VOLTAGE: 208Y/120V 3Ø, 4-WIRE — SECTION: 1 OF 1
FED FROM: — MAINS: 150A MAIN LUGS ONLY
MOUNTING: FIELD VERIFY — NEUTRAL: 100% RATED

NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER AMPS	POLE	LOAD (VA)	Ø	LOAD (VA)	BREAKER AMPS	POLE	CKT NO.	ITEM DESCRIPTION	NOTE
	RTU RECEPTACLES	1	20	1	1080	A	1410	20	2	2	ICE MACHINE	
	GM VESTIBULE	3	20	1	360	B	1410	-	-	4		
	AIR CURTAINS	5	30	1	2350	C	430	20	1	6	BEVERAGE DISPENSER	
	EXTERIOR RECEPTACLE	7	20	1	180	A	2080	30	2	8	ICE MACHINE	
	AIR CURTAINS	9	30	1	2350	B	2080	-	-	10		
	LPTV/PICS MONITOR	11	20	1	1080	C	670	20	2	12	LOW PROFILE FLORAL	
	HIRING KIOSK	13	20	1	360	A	590	-	-	14		
	SPACE	15	20	1	180	B	670	20	2	16	LOW PROFILE FLORAL	
	ICE COOLER	17	20	1	600	C	590	-	-	18		
	VENDING MACHINE	19	20	1	1500	A		20	1	20	SPACE	
	VENDING MACHINE	21	20	1	1500	B		20	1	22	SPACE	
	VENDING MACHINE	23	20	1	1500	C		20	1	24	SPACE	
	CASH RECYCLER	25	20	1	1200	A		20	1	26	SPACE	
1	**HOT CASE**	27	**20**	**3**	1200	B		20	1	28	SPACE	
		29	-	-	1200	C		20	1	30	SPACE	
		31	-	-	1200	A		20	1	32	SPACE	
1	**DAIRY COOLER**	33	**20**	2	**1061**	B		20	1	34	SPACE	
		35	-	-		C		20	1	36	SPACE	
	SPACE	37	20	1		A		20	1	38	SPACE	
	SPACE	39	20	1		B		20	1	40	SPACE	
	SPACE	41	20	1		C		20	1	42	SPACE	

LOAD CALCULATIONS

LOAD DESCRIPTION	CONN. (VA)	DEMAND FACTOR	CALC. (VA)
MISCELLANEOUS CONTINUOUS		125%	
EQUIPMENT & MISCELLANEOUS	28011	100%	28011
LIGHTING	-	125%	-
LARGEST MOTOR	-	125%	-
MOTORS	-	100%	-
RECEPTACLE	1260	100%	1260
RECEPTACLES OVER 10KVA	-	50%	-
TOTALS:	**29,271**		**29,271**

LOAD SUMMARY

TOTAL CONNECTED LOAD	AMPS
PHASE A: 9,600 VA	80 A
PHASE B: 11,251 VA	94 A
PHASE C: 8,420 VA	70 A

TOTAL CALCULATED LOAD: 29,271 VA

TOTAL CALCULATED AMPS: 81 A

NOTES:
1. PROVIDE AND INSTALL NEW BREAKER, AIC AND MANUFACTURER TO MATCH EXISTING
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HARGIS ENGINEERS, INC.
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(E) PANEL 'L3P'

PANEL SCHEDULE : 04/24/2024 — PROJECT: 02403 Puyallup WA

CLASSIFICATION: NORMAL — VOLTAGE: 208Y/120V 3Ø, 4-WIRE — SECTION: 1 OF 1
FED FROM: — MAINS: 150A MAIN LUGS ONLY
MOUNTING: FIELD VERIFY — NEUTRAL: 100% RATED

NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER AMPS	POLE	LOAD (VA)	Ø	LOAD (VA)	BREAKER AMPS	POLE	CKT NO.	ITEM DESCRIPTION	NOTE
	46E COSMECTICS	1	20	1	1000	A	**900**	20	1	2	**T6C SEASONAL STACK BASE**	
	46E COSMECTICS	3	20	1	800	B		20	1	4	SPARE (24)	
	46E COSMECTICS	5	20	1	1200	C		20	1	6	SPARE (24)	
	46E COSMECTICS	7	20	1	800	A	1200	20	1	8	TENANT SIGNAGE	
	46E COSMECTICS	9	20	1	1200	B	1200	20	1	10	TENANT SIGNAGE	
	46E COSMECTICS	11	20	1	**910**	C	**1680**	20	1	12	46E COSMECTICS	
	46E COSMECTICS	13	20	1	**910**	A	**1680**	20	1	14	46E COSMECTICS	
	46E COSMECTICS	15	20	1	**1495**	B	**1680**	20	1	16	46E COSMECTICS	
	GM VESTIBULE	17	**20**	1	**180**	C	**1495**	20	1	18	46E COSMECTICS	
	SPACE	19	20	1		A		20	1	20	SPACE	
	SPACE	21	20	1		B		20	1	22	SPACE	
	SPACE	23	20	1		C		20	1	24	SPACE	
	SPACE	25	20	1		A		20	1	26	SPACE	
	SPACE	27	20	1		B		20	1	28	SPACE	
	SPACE	29	20	1		C		20	1	30	SPACE	
	SPACE	31	20	1		A		20	1	32	SPACE	
	SPACE	33	20	1		B		20	1	34	SPACE	
	SPACE	35	20	1		C		20	1	36	SPACE	
	SPACE	37	20	1		A		20	1	38	SPACE	
	SPACE	39	20	1		B		20	1	40	SPACE	
	SPACE	41	20	1		C		20	1	42	SPACE	

LOAD CALCULATIONS

LOAD DESCRIPTION	CONN. (VA)	DEMAND FACTOR	CALC. (VA)
MISCELLANEOUS CONTINUOUS		125%	
EQUIPMENT & MISCELLANEOUS	18330	100%	18330
LIGHTING	-	125%	-
LARGEST MOTOR	-	125%	-
MOTORS	-	100%	-
RECEPTACLE	-	100%	-
RECEPTACLES OVER 10KVA	-	50%	-
TOTALS:	**18,330**		**18,330**

LOAD SUMMARY

TOTAL CONNECTED LOAD	AMPS
PHASE A: 6,490 VA	54 A
PHASE B: 6,375 VA	53 A
PHASE C: 5,465 VA	46 A

TOTAL CALCULATED LOAD: 18,330 VA

TOTAL CALCULATED AMPS: 51 A

NOTES:
1. PROVIDE AND INSTALL NEW BREAKER, AIC AND MANUFACTURER TO MATCH EXISTING
2.
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(E) PANEL 'L5D SEC 1'

PANEL SCHEDULE : 05/09/2024 — PROJECT: 02403 Puyallup WA

CLASSIFICATION: NORMAL — VOLTAGE: 208Y/120V 3Ø, 4-WIRE — SECTION: 1 OF 2
FED FROM: — MAINS: 225A MLO + FEED-THRU LUGS
MOUNTING: FIELD VERIFY — NEUTRAL: 100% RATED

NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER AMPS	POLE	LOAD (VA)	Ø	LOAD (VA)	BREAKER AMPS	POLE	CKT NO.	ITEM DESCRIPTION	NOTE
	AIR CURTAIN FANS	1	40	1	3530	A	960	20	1	2	FRONT CASH WRAPS	
	AIR CURTAIN FANS	3	20	1	1600	B	**1008**	20	1	4	FRONT CASH WRAPS	
	DOOR OPERATOR	5	20	1	600	C	**1008**	20	1	6	FRONT CASH WRAPS	
	DOOR OPERATOR	7	20	1	600	A	**1008**	20	1	8	FRONT CASH WRAPS	
	VENDING MACHINE	9	20	1	1500	B	**1008**	20	1	10	FRONT CASH WRAPS	
	VENDING MACHINE	11	20	1	1500	C	600	20	1	12	SELF SCAN CHECKOUTS	
	EXTERIOR RECEPTACLE	13	20	1	180	A	**1128**	20	1	14	SELF SCAN CHECKOUTS	
	NESTLE COOLER	15	20	1	60	B	**1080**	20	1	16	SELF SCAN CHECKOUTS	
	MECHANICAL ROOM EF	17	20	1	420	C	**660**	20	1	18	SELF SCAN CHECKOUTS	
	RECIRCULATION PUMP REC.	19	20	1	180	A	360	20	1	20	SEC CAMERA	
	VENDING MACHINE	21	20	1	750	B	960	20	1	22	SELF SCAN CHECKOUT	
	VENDING MACHINE	23	20	1	750	C	420	20	1	24	FRONT TOILET EF	
	GR VESTIBULE UNIT HEATERS	25	20	1	960	A	960	20	1	26	SELF SCAN CHECKOUTS	
	ICE MERCHANDISER	27	20	1	1560	B	360	20	1	28	MONEY CENTER RECEPTS	
	ELECTRICAL ROOM RECEPT	29	20	1	180	C	360	20	1	30	MONEY CENTER RECEPTS	

LOAD CALCULATIONS

LOAD DESCRIPTION	CONN. (VA)	DEMAND FACTOR	CALC. (VA)
MISCELLANEOUS CONTINUOUS		125%	
EQUIPMENT & MISCELLANEOUS	30850	100%	30850
LIGHTING	-	125%	-
LARGEST MOTOR	-	125%	-
MOTORS	-	100%	-
RECEPTACLE	10000	100%	10000
RECEPTACLES OVER 10KVA	800	50%	400
COOLING	9780	100%	9780
TOTALS:	**51,430**		**51,030**

CONNECTED LOAD - SEC. 2 : 25,160 VA

LOAD SUMMARY

TOTAL CONNECTED LOAD	AMPS
PHASE A: 16,026 VA	134 A
PHASE B: 18,456 VA	154 A
PHASE C: 16,948 VA	141 A

TOTAL CALCULATED LOAD: 51,030 VA

TOTAL CALCULATED AMPS: 142 A

NOTES:
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(E) PANEL 'L5D SEC 2'

PANEL SCHEDULE : 05/09/2024 — PROJECT: 02403 Puyallup WA

CLASSIFICATION: NORMAL — VOLTAGE: 208Y/120V 3Ø, 4-WIRE — SECTION: 2 OF 2
FED FROM: (E) PANEL 'L5D SEC 1' — MAINS: 225A MAIN LUGS ONLY
MOUNTING: FIELD VERIFY — NEUTRAL: 100% RATED

NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER AMPS	POLE	LOAD (VA)	Ø	LOAD (VA)	BREAKER AMPS	POLE	CKT NO.	ITEM DESCRIPTION	NOTE
	EWC'S	31	20	1	650	A	360	20	1	32	MONEY CENTER RECEPTS	
	ICE MAKER	33	20	2	1350	B	540	20	1	34	SURVEILLANCE SYSTEM	
		35	-	-	1350	C	1440	20	1	36	MONEY CENTER RECEPTS	
	ICE MAKER	37	20	2	1350	A	1080	20	1	38	EXISTING COLUMN RECEPT	
		39	-	-	1350	B	1080	20	1	40	EXISTING COLUMN RECEPT	
	SIDEWALK CASH WRAP	41	20	1	60	C	1080	20	1	42	EXISTING COLUMN RECEPT	
	EXTERIOR CASH WRAP	43	20	1	540	A	1080	20	1	44	EXISTING COLUMN RECEPT	
	RTU RECEPTACLES	45	20	1	900	B	1080	20	1	46	EXISTING COLUMN RECEPT	
	RTU RECEPTACLES	47	20	1	900	C	1080	20	1	48	EXISTING COLUMN RECEPT	
	SPARE (24)	49	20	1		A		20	1	50	PRODUCE LIGHTING	
	HAND DRYER	51	20	1	**1450**	B		20	1	52	PRODUCE LIGHTING	
	HAND DRYER	53	20	1	**1450**	C	540	20	1	54	MOTORIZED CART/SWEECT	
	SPARE (24)	55	20	1		A	1080	20	1	56	EXISTING RTU RECEPT	
1	**HAND DRYER**	57	**20**	1	**1450**	B	1080	20	1	58	**DR VESTIBULE PLUGMOLD**	1
1	**HAND DRYER**	59	**20**	1	**1450**	C	1080	20	1	60	EXISTING RTU RECEPT	

LOAD CALCULATIONS

LOAD DESCRIPTION	CONN. (VA)	DEMAND FACTOR	CALC. (VA)
MISCELLANEOUS CONTINUOUS		125%	
EQUIPMENT & MISCELLANEOUS	10130	100%	10130
LIGHTING	-	125%	-
LARGEST MOTOR	-	125%	-
MOTORS	-	100%	-
RECEPTACLE	10000	100%	10000
RECEPTACLES OVER 10KVA	440	50%	220
COOLING	4590	100%	4590
TOTALS:	**25,160**		**24,940**

LOAD SUMMARY

TOTAL CONNECTED LOAD	AMPS
PHASE A: 6,140 VA	51 A
PHASE B: 8,570 VA	71 A
PHASE C: 10,450 VA	87 A

TOTAL CALCULATED LOAD: 24,940 VA

TOTAL CALCULATED AMPS: 69 A

NOTES:
1. PROVIDE AND INSTALL NEW BREAKER, AIC AND MANUFACTURER TO MATCH EXISTING
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(E) PANEL 'LVC'

PANEL SCHEDULE : 05/09/2024 — PROJECT: 02403 Puyallup WA

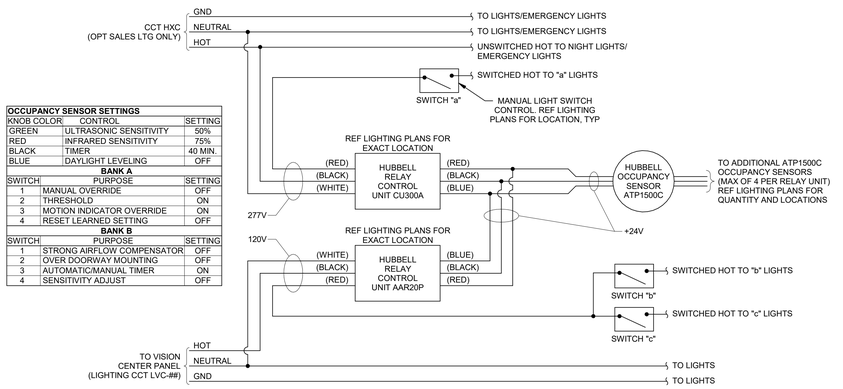
CLASSIFICATION: NORMAL — VOLTAGE: 208Y/120V 3Ø, 4-WIRE — SECTION: 1 OF 1
FED FROM: — MAINS: 100A MAIN LUGS ONLY
MOUNTING: FIELD VERIFY — NEUTRAL: 100% RATED

NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER AMPS	POLE	LOAD (VA)	Ø	LOAD (VA)	BREAKER AMPS	POLE	CKT NO.	ITEM DESCRIPTION	NOTE
	RECEPTACLES	1	20	1	720	A	900	20	1	2	OPTICAL SALES RECPTS	
	RECEPTACLES	3	20	1	900	B	540	20	1	4	DISPENSING TABLE RECPTS	
	RECEPTACLES	5	20	1	720	C	1250	20	1	6	REMOTE TRACER	
	LAB PLUGMOLD	7	20	1	540	A	360	20	1	8	DISPENSING TABLE RECPTS	
	TINT BATH	9	20	1	1930	B	720	20	1	10	PRETEST RECEPTION RECPTS	
	FAX MACHINE	11	20	1	540	C	540	20	1	12	SALES RECEPTION RECPTS	
	WATER HEATER	13	25	1	2000	A	360	20	1	14	SALES RECEPTION RECPT	
	OPTICAL SALES LIGHTING	15	20	1	1170	B	540	20	1	16	DOC RECEPTION RECPTS	
	EXAM ROOM DOWNLIGHTS	17	20	1	360	C	360	20	1	18	DOC RECEPTION RECPTS	
	EXHAUST FAN	19	20	1	400	A		20	1	20	FINAL FIT TABLE RECPTS	
	SPARE (24)	21	20	1		B		20	1	22	FINAL FIT TABLE RECPTS	
	SPARE (24)	23	20	1		C		20	1	24	SPARE (24)	
1	**ADJUSTMENTS PLUGMOLD**	25	**20**	1	**180**	A		20	1	26	SPARE (24)	
1	**POWER POLE RECEPTACLES**	27	**20**	1	**1200**	B		20	1	28	SPARE (24)	
1	**POWER POLE RECEPTACLES**	29	**20**	1	**700**	C		20	1	30	SPARE (24)	

LOAD CALCULATIONS

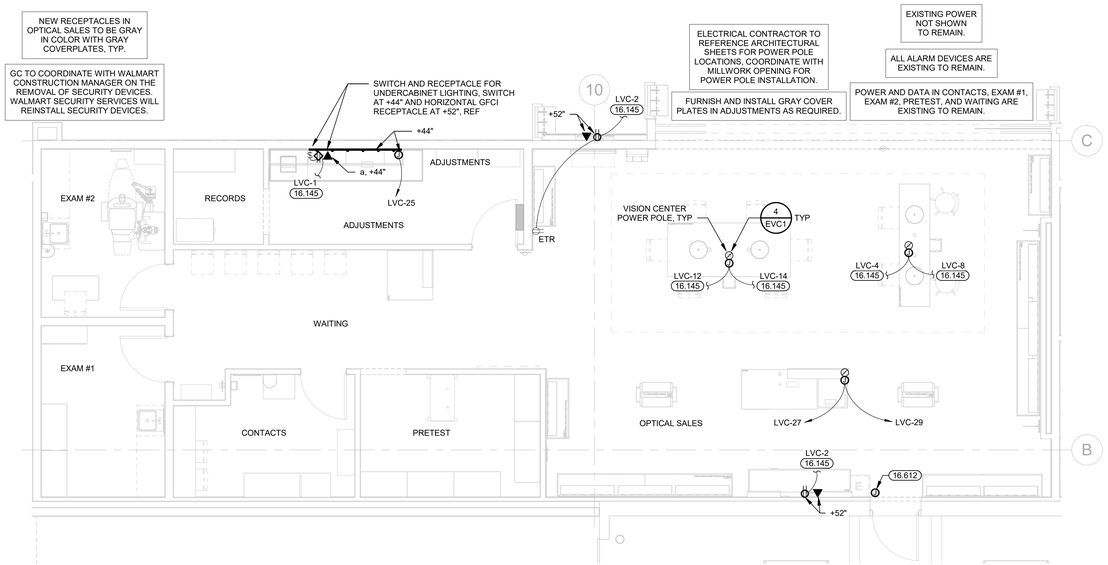
LOAD DESCRIPTION	CONN. (VA)	DEMAND FACTOR	CALC. (VA)
MISCELLANEOUS CONTINUOUS		125%	
EQUIPMENT & MISCELLANEOUS	2300	100%	2300
LIGHTING	1530

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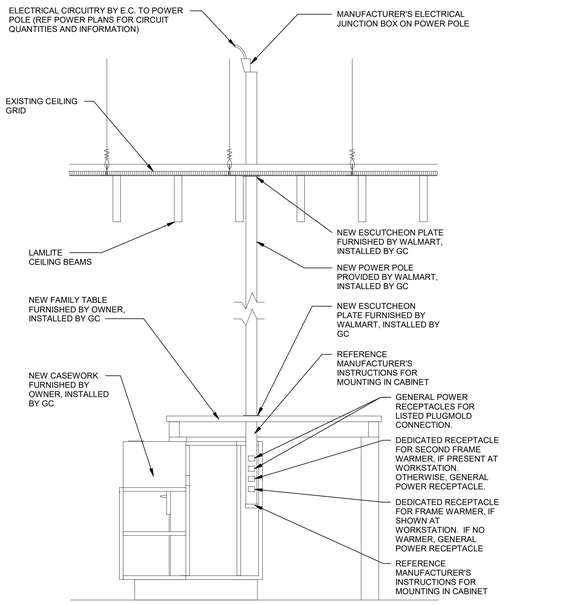


OCCUPANCY SENSOR SETTINGS		
KNOB COLOR	CONTROL	SETTING
GREEN	ULTRASONIC SENSITIVITY	50%
RED	INFRARED SENSITIVITY	75%
BLACK	TIMER	40 MIN.
BLUE	DAYLIGHT LEVELING	OFF
BANK A		
SWITCH	PURPOSE	SETTING
1	MANUAL OVERRIDE	OFF
2	THRESHOLD	ON
3	MOTION INDICATOR OVERRIDE	ON
4	RESET LEARNED SETTING	OFF
BANK B		
SWITCH	PURPOSE	SETTING
1	STRONG AIRFLOW COMPENSATOR	OFF
2	OVER DOORWAY MOUNTING	OFF
3	AUTOMATIC/MANUAL TIMER	ON
4	SENSITIVITY ADJUST	OFF

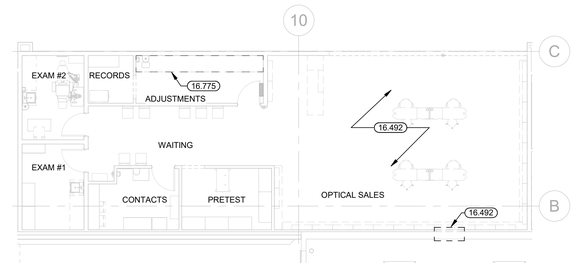
6 OCCUPANCY SENSOR/RELAY WIRING DIAGRAM AND SETTINGS
NTS



5 VISION CENTER POWER PLAN
1/4" = 1'-0"

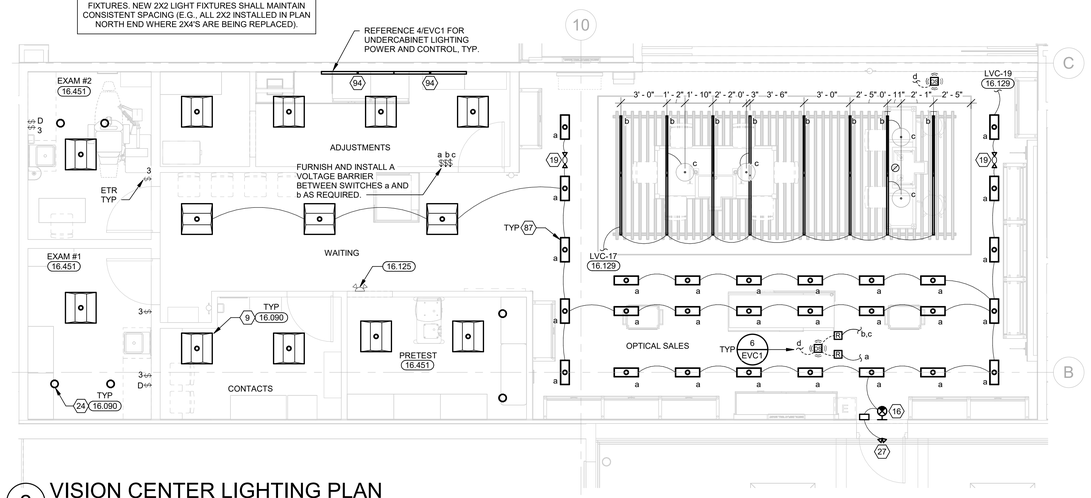


4 VISION CENTER POWER POLE CONNECTIONS DETAIL
NTS



3 VISION CENTER POWER DEMO PLAN
1/8" = 1'-0"





2 VISION CENTER LIGHTING PLAN
1/4" = 1'-0"

1 VISION CENTER LIGHTING DEMO PLAN
1/8" = 1'-0"

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

KEYNOTES

16.090	REPLACE EXISTING LIGHT FIXTURES IN THIS AREA WITH TYPE AND QUANTITY INDICATED. INSTALL NEW LIGHT FIXTURE IN SAME LOCATION AS EXISTING LIGHT FIXTURE BEING REPLACED. RECONNECT TO EXISTING CIRCUITRY AND CONTROLS.
16.125	EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE.
16.126	EXISTING LIGHT FIXTURE TO BE DEMOLISHED.
16.129	CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING AREA LIGHTING THAT WAS REMOVED. MAINTAIN EXISTING CIRCUIT CONTROL UNLESS NOTED OTHERWISE. PROVIDE CONSTANT HOT FOR EMERGENCY EXIT AND LOCALLY CONTROLLED LIGHT FIXTURES.
16.145	CONNECT CIRCUIT(S) TO EXISTING BRANCH CIRCUITRY. MINIMUM WIRE SIZE AND PANELBOARD CIRCUIT ARE NOTED. VERIFY SIZE, RATING AND CONDITION OF EXISTING BRANCH CIRCUIT CONDUIT AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET REQUIRED SIZE, AND ALL U.L. RATINGS AND REPLACE AS REQUIRED.
16.451	PROVIDE EMT WITH PROPERLY INSTALLED COMPRESSION OR SET-SCREW TYPE FITTINGS AND AN INSULATED EQUIPMENT GROUNDING CONDUCTOR FOR ALL RACEWAYS SERVING THIS ROOM TO COMPLY WITH NEC, HEALTH CARE FACILITIES.
16.492	E.C. SHALL COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECTURAL DEMOLITION PLANS THE EXTENT OF ELECTRICAL DEMOLITION. REMOVE UNUSED DEVICES, BOXES, CONDUITS, AND WIRING BACK TO ORIGINATING JUNCTION BOXES OR PANELBOARDS. REFERENCE POWER PLANS FOR CIRCUITRY TO BE REUSED. DEMOLITION SHALL NOT AFFECT ACTIVE CIRCUITS. IF CIRCUIT IS DEMOLISHED ALL THE WAY TO PANELBOARD, REMOVE CIRCUIT BREAKER AND REPLACE WITH FILLER PLATE. UPDATE TYPEWRITTEN CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPACE". COORDINATE EXACT REQUIREMENTS WITH EXISTING CONDITIONS PRIOR TO BID.
16.612	PROVIDE RECESSED ALARM JUNCTION BOX (WITH VERTICAL RACEWAY) MOUNTED 2" ABOVE AND 8" IN FROM STRIKE SIDE OF DOOR FRAME.
16.775	E.C. SHALL DISCONNECT, EXTEND, AND RECONNECT ALL ELECTRICAL CIRCUITRY FOR NEW OR RELOCATED EQUIPMENT. REFERENCE POWER PLANS AS APPLICABLE. VERIFY CONDITION OF BRANCH CIRCUIT, CONDUIT, AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET ALL U.L. RATINGS AND REPLACE AS REQUIRED. COORDINATE THIS PROCESS WITH CONSTRUCTION MANAGER TO MINIMIZE DOWNTIME. LABEL ALL ASSOCIATED PANELBOARD SCHEDULES TO REFLECT LOAD DESCRIPTIONS.

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

STIPULATION FOR REUSE
THIS DRAWING (AS) PREPARED FOR THE WALMART STORE NO. 02403 - 254 CONTEMPORANEOUSLY WITH ITS ISSUE FOR CONSTRUCTION, IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT OR EXTENSION OF THIS PROJECT OR THIS DRAWING FOR REFERENCE OR USE BY ANY PERSON OR ENTITY FOR ANY PURPOSE WITHOUT THE EXPRESS AND RECORDED THE SERVICES OF PROPERLY QUALIFIED PROFESSIONALS. ANY UNAUTHORIZED REPRODUCTION OF THIS DRAWING FOR USE ON ANY PROJECT NOT DESIGNED BY THE ARCHITECT IS PROHIBITED AND MAY BE CONTRARY TO THE LAW.

CONSULTANTS
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1201 third avenue, suite 600
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Walmart
PUYALLUP, WA
310 31ST AVE SE
STORE NO: 02403 - 254
JOB NUMBER: 96546824 PROTO: 182 SC

ISSUE BLOCK

CHECKED BY:	RS
DRAWN BY:	AT
PROTO CYCLE:	03/29/24
DOCUMENT DATE:	05/10/24

PRCTI20241053

ROBERT D. AU
STATE OF WASHINGTON
26736
REGISTERED
PROFESSIONAL ENGINEER
05/10/2024

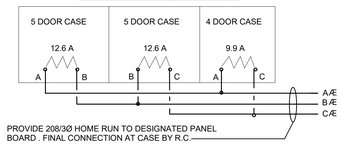
VISION CENTER ELECTRICAL PLANS

SHEET:
EVC1

5/10/2024 2:15:01 PM
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TYPICAL REFRIGERATED CASE SYSTEM

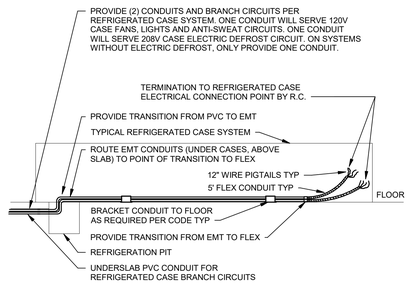


PROVIDE 208/3Ø HOME RUN TO DESIGNATED PANEL BOARD . FINAL CONNECTION AT CASE BY R.C.--

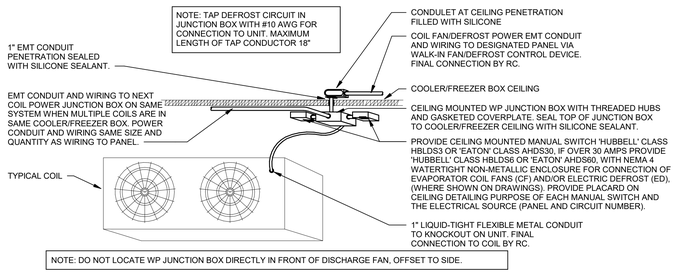
NOTES:
ON SYSTEMS WITH UNEQUAL LOADS, REC (REFRIGERATION ELECTRICAL CONTRACTOR) SHALL ARRANGE CONNECTIONS FOR MAXIMUM BALANCE

CALCULATION OF 3Ø UNBALANCED LOAD
A LOAD = (12.6 A + 9.9 A) x .866 = 19.5 A
B LOAD = (12.6 A + 12.6 A) x .866 = 21.8 A (HIGH LEG)
C LOAD = (12.6 A + 9.9 A) x .866 = 19.5 A

6 CASE DEFROST WIRING
NTS

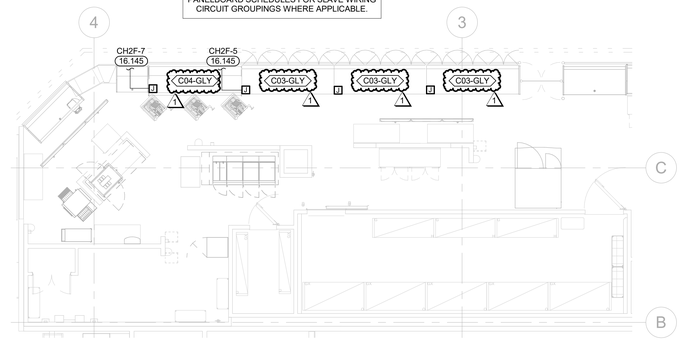


5 UNDERSLAB CASE CONNECTION WIRING
NTS

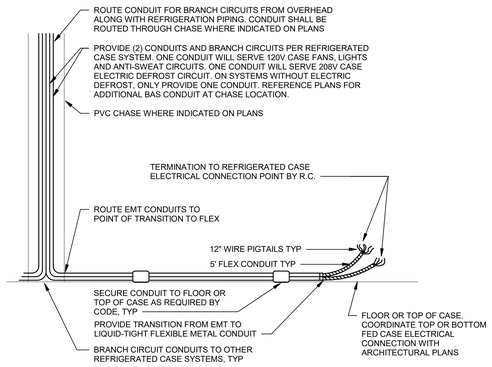


4 EVAPORATOR COIL WIRING
12" = 1'-0"

SLAVE WIRING BETWEEN REFRIGERATED CASES IN WIREWAY PROVIDED BY REFRIGERATION CONTRACTOR NOT SHOWN FOR CLARITY. R.C. SHALL REFER TO PANELBOARD SCHEDULES FOR SLAVE WIRING CIRCUIT GROUPINGS WHERE APPLICABLE.

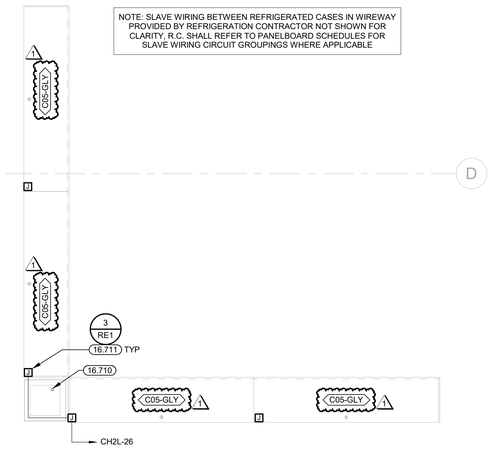


2 REFRIGERATION ELECTRICAL PLAN
1/8" = 1'-0"



3 OVERHEAD CASE CONNECTION WIRING
NTS

NOTE: SLAVE WIRING BETWEEN REFRIGERATED CASES IN WIREWAY PROVIDED BY REFRIGERATION CONTRACTOR NOT SHOWN FOR CLARITY. R.C. SHALL REFER TO PANELBOARD SCHEDULES FOR SLAVE WIRING CIRCUIT GROUPINGS WHERE APPLICABLE



1 GR CHECKOUT REFRIGERATION ELECTRICAL PLAN
1/4" = 1'-0"

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

KEYNOTES

16.145 CONNECT CIRCUIT(S) TO EXISTING BRANCH CIRCUITRY. MINIMUM WIRE SIZE AND PANELBOARD CIRCUIT ARE NOTED. VERIFY SIZE, RATING AND CONDITION OF EXISTING BRANCH CIRCUIT CONDUIT AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET REQUIRED SIZE, AND ALL U.L. RATINGS AND REPLACE AS REQUIRED.

16.710 BUILDING AUTOMATION CONDUITS: PROVIDE 1" (UNLESS NOTED OTHERWISE) CONDUIT (WITH PULL WIRE) ROUTED FROM 6" ABOVE BOTTOM OF BAR JOIST IN SALES FLOOR ACCESSIBLE CEILING SPACE THROUGH PVC CHASE.

16.711 POINT OF TRANSITION FROM EMT TO FLEX. PROVIDE CONDUIT AND BRANCH CIRCUITS FOR REFRIGERATED CASE FANS, LIGHTS, ANTI-SWEAT HEATERS, AND ELECTRICAL DEFROST (IF REQUIRED). TERMINATION TO REFRIGERATED CASE ELECTRICAL CONNECTION POINT BY R.C. REFER TO CASE CONNECTION WIRING DETAIL.

GENERAL REFRIGERATION ELECTRICAL NOTES

12.21.18

1. COORDINATE ALL WORK WITH REFRIGERATION CONTRACTOR (R.C.) PRIOR TO INSTALLATION.
2. REFRIGERATED CASES: E.C. SHALL PROVIDE CONDUIT AND WIRE FOR REFRIGERATED CASE FANS, LIGHTS AND ANTI-SWEAT HEATERS, AND (IF APPLICABLE) ELECTRICAL DEFROST. PROVIDE ADEQUATE CONDUCTOR LENGTH TO ALLOW TERMINATION. NEATLY BUNDLE CIRCUITS AND CLEARLY TAG AND LABEL EACH CIRCUIT WITH BRANCH CIRCUIT DESIGNATION AND REFRIGERATION SYSTEM NUMBER FOR FINAL TERMINATION AT CASE BY R.C. REF CASE CONNECTION WIRING DETAIL.
3. IF NEW CASES ARE PROVIDED WITH A FACTORY INSTALLED TERMINAL STRIP AND JUMPERS FOR CONNECTION TO A SINGLE CIRCUIT FOR 120V CASE LOADS. RC SHALL REMOVE FACTORY INSTALLED JUMPERS AS REQUIRED TO UTILIZE EXISTING SEPARATE 120V FAN/LIGHT/ANTI-SWEAT CIRCUITS AS INDICATED ON PLANS AND/OR PANELBOARD SCHEDULES. ANY EXISTING ANTI-SWEAT CONTROL (SWEATMISER) SHALL BE BY-PASSED. CASES UTILIZING ELECTRICAL DEFROST WILL BE PROVIDED WITH SEPARATE 208V TERMINATIONS AT THE TERMINAL STRIP FOR CONNECTION TO THE 208V ELECTRIC DEFROST CIRCUIT. RC SHALL MAKE FINAL TERMINATIONS OF 120V AND 208V POWER CIRCUIT(S) AT CASE TERMINAL STRIP. REFER TO CASE CONNECTION SCHEMATIC ON REFRIGERATION SHEETS.
4. WALK-IN UNITS: PROVIDE CONDUIT AND WIRE FOR EVAPORATOR COIL FANS (CF) AND (IF APPLICABLE) ELECTRIC DEFROST (ED). PROVIDE ADEQUATE CONDUCTOR LENGTH TO ALLOW TERMINATION. NEATLY BUNDLE CIRCUITS AND CLEARLY TAG AND LABEL EACH CIRCUIT WITH BRANCH CIRCUIT DESIGNATION AND REFRIGERATION SYSTEM NUMBER FOR FINAL TERMINATION AT COIL BIL BY R.C. REF EVAPORATOR COIL WIRING DETAIL.
5. ROUTE REFRIGERATED CASE AND WALK-IN UNIT COIL FAN, LIGHTS, ANTI-SWEAT AND DEFROST BRANCH CIRCUITS TO WIREWAYS PROVIDED AT REFRIGERATION EQUIPMENT AND/OR PANELBOARDS AS REQUIRED.
6. REFRIGERATED CASE WIRING COMPARTMENT REPRESENTED ON DRAWING BY JUNCTION BOX.
7. KEEP PENETRATIONS THROUGH WALK-IN UNITS TO A MINIMUM. ROUTE ALL CONDUITS SERVING FREEZERS AND COOLERS ON INSIDE OF BOX.
8. ALL CONDUITS INSTALLED ON TOP OF WALK-IN UNITS SHALL BE A MINIMUM OF 6" FROM ANY EDGE TO ALLOW SPACE FOR EDGE PROTECTION NETTING. DO NOT ROUTE CONDUITS ABOVE THE CEILING GRID ACCESS UNLESS CONDUITS ARE INSTALLED IN JOIST SPACE, REF ARCH.
9. UNDERSLAB CIRCUITS SHALL NOT BE ROUTED UNDER WALK-IN FREEZERS AND SHALL BE ROUTED ABOVE REFRIGERANT LINES WHERE THEY CROSS.
10. CIRCUITS FOR REFRIGERATED CASES SERVED BY UNDERSLAB REFRIGERATION PIPING ARE TO BE ROUTED UNDERSLAB AND EXTENDED TO THE FIRST CASE IN EACH SYSTEM. WIRING AND CONDUIT FOR SLAVE WIRING BETWEEN CASES SHALL BE PROVIDED BY R.C. REFER TO UNDERSLAB CASE CONNECTION WIRING DETAIL.
11. ALL UNDERSLAB CONDUITS SHALL BE 3/4" MIN.
12. CIRCUITS FOR REFRIGERATED CASES SERVED BY OVERHEAD REFRIGERATION PIPING ARE TO BE ROUTED DOWN FROM STRUCTURE AT THE SAME LOCATION AS THE REFRIGERATION PIPING AND EXTENDED TO THE FIRST CASE IN EACH SYSTEM. WIRE AND CONDUIT FOR SLAVE WIRING BETWEEN CASES SHALL BE PROVIDED BY THE R.C. REFER TO OVERHEAD CASE CONNECTION WIRING DETAIL.
13. ON GROUPS OF THREE OR MORE REFRIGERATED CASES WITH ELECTRIC DEFROST, R.C. SHALL CONNECT CASES TO CREATE A THREE-PHASE HEATER CIRCUIT. HEATER LOADS SHALL BE BALANCED BETWEEN PHASES AS EVENLY AS POSSIBLE. REF CASE DEFROST WIRING DETAIL.
14. PROVIDE A SEPARATE NEUTRAL FOR EACH NEW BRANCH CIRCUIT SERVING REFRIGERATED CASES OR WALK-IN UNITS AS INDICATED ON PLANS.
15. PROVIDE CIRCUIT BREAKER LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE) ON NEW AND/OR EXISTING CIRCUIT BREAKERS SERVING REFRIGERATED CASES.
16. REFERENCE ARCHITECTURAL DEMOLITION PLANS FOR FULL EXTENT OF DEMOLITION WORK REQUIRED.

CIRCUIT SCHEDULE

XXXX INDICATE WIRE SIZE FOR CIRCUIT HERE. AS REQUIRED FOR CASE/COIL FAN AND DEFROST FED FROM RACK CONTROLLERS.

ALL CONDUCTOR SIZES ARE BASED ON 75 DEG C RATED TERMINATIONS AND TYP THHN/THWN-2 INSULATION; FOR TERMINATIONS OR INSULATION TYPES RATED LESS THAN 75 DEG C. MODIFY SIZES ACCORDING TO NFPA 70.

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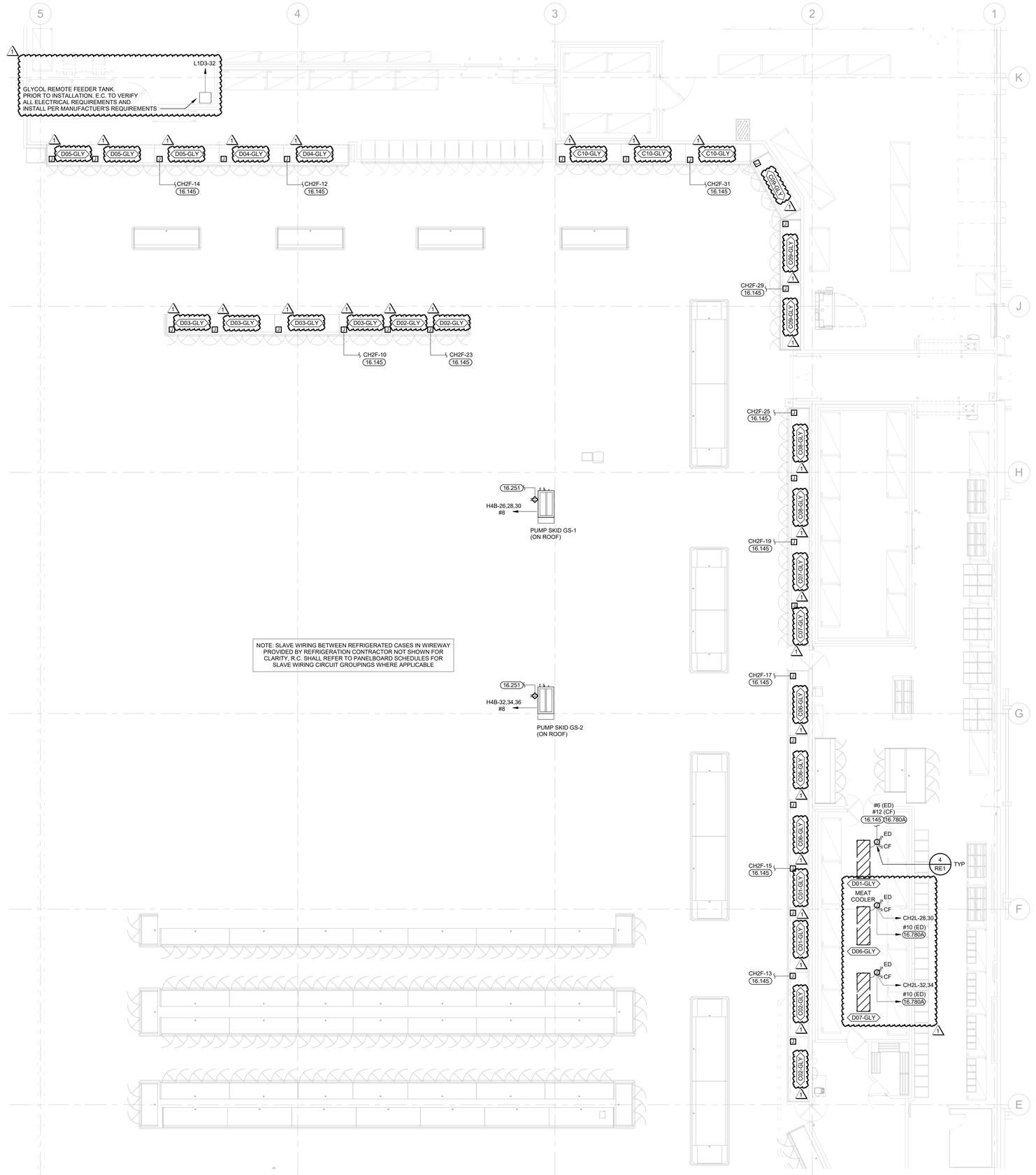
ROBERT DAVID SMITH
STATE OF WASHINGTON
35730
REGISTERED
PROFESSIONAL ENGINEER
08/22/2024

REFRIGERATION ELECTRICAL PLAN

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1 REAR REFRIGERATION ELECTRICAL PLAN
1/8" = 1'-0"

KEYNOTES

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16.251 EXTEND AND RECONNECT EXISTING CIRCUITRY TO FACTORY PROVIDED GFI MAINTENANCE RECEPTACLE. IF EXISTING CIRCUIT IS NOT PRESENT, ROUTE NEW CIRCUITRY TO NEAREST RTU OR AHU MAINTENANCE RECEPTACLE CIRCUIT.

16.780A E.C. SHALL REMOVE EXISTING CONTACTOR IN RACK CABINET AND CONNECT CIRCUITRY DIRECTLY TO CIRCUIT OVERCURRENT PROTECTION DEVICE. REFRIGERATION SYSTEM EVAPORATOR FAN/DEFROST CIRCUITS SHALL BE CONTROLLED BY FACTORY INSTALLED CONTROLS IN NEW CASES OR BY FIELD INSTALLED CONTROLS AT WALK-INS. IF REQUIRED, E.C. SHALL INSTALL NEW VENDOR FURNISHED OVERCURRENT PROTECTION DEVICE FOR REFRIGERATION SYSTEM EVAPORATOR FAN/DEFROST CIRCUIT. PROVIDE A NEW NEMA 1 ENCLOSURE FOR FAN/DEFROST CIRCUIT OVERCURRENT PROTECTION DEVICE, IF NEEDED. MOUNT NEMA 1 ENCLOSURE AS CLOSE AS POSSIBLE TO EXISTING RACK CABINET. REFER TO REFRIGERATION LEGEND(S).

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12.21.18

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STATE OF WASHINGTON
25736
REGISTERED PROFESSIONAL ENGINEER
08/22/2024

REFRIGERATION ELECTRICAL PLAN

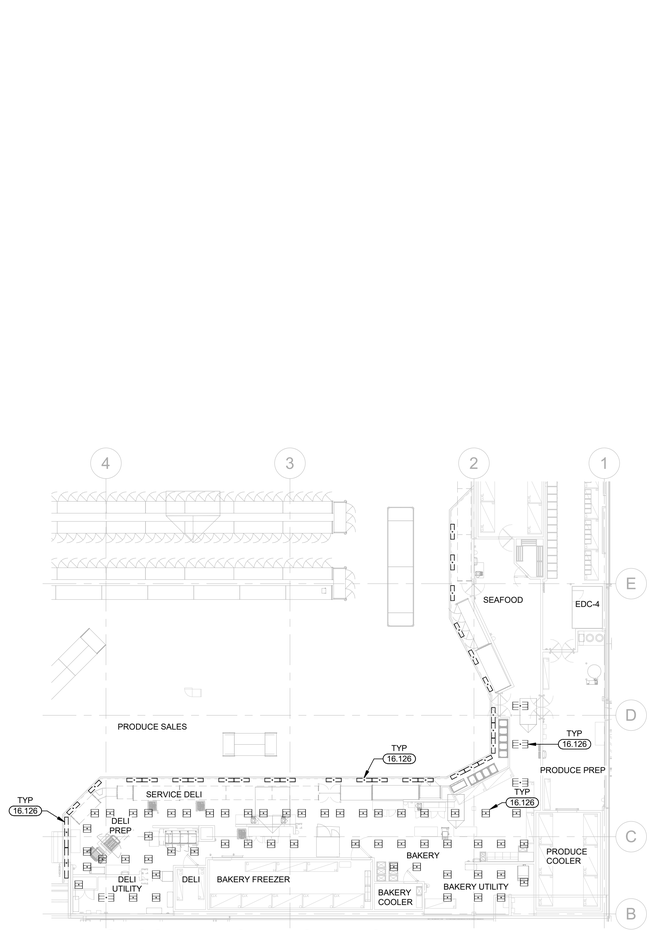
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KEYNOTES

16.090	REPLACE EXISTING LIGHT FIXTURES IN THIS AREA WITH TYPE AND QUANTITY INDICATED. INSTALL NEW LIGHT FIXTURE IN SAME LOCATION AS EXISTING LIGHT FIXTURE BEING REPLACED. RECONNECT TO EXISTING CIRCUITRY AND CONTROLS.
16.125	EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE.
16.126	EXISTING LIGHT FIXTURE TO BE DEMOLISHED.



2 GROCERY LIGHTING DEMO PLAN
1/16" = 1'-0"



1 GROCERY LIGHTING PLAN
1/8" = 1'-0"

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ROBERT DALE SMITH
STATE OF WASHINGTON
15736
REGISTERED
PROFESSIONAL ENGINEER
05/10/2024

GROCERY LIGHTING PLANS

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KITCHEN DEVICE SCHEDULE

NUMBER	DESCRIPTION	MANUFACTURER	MODEL	VOLT/PHASE	AMPS	TERMINATION	MTG. HT.	NOTES
DELI EQUIPMENT SCHEDULE								
D007B.1	SLICER	BIZERBA	GSP H/GSP HD	120/1	3.50 A	WP CONNECTOR, NEMA: 5-20C	44"	K
REFRIGERATED AND HOT CASE SCHEDULE								
RD9009 - 6'	ISLAND MERCHANDISER	STRUCTURAL CONCEPTS	MI46R	208/1	10.20 A	NEMA 6-20R	10"	C, K
RH0122 - 4'	4' HOT DELI SELF-SERVICE MULTI-DECK	CUSTOM DELI'S	DILW-SS	120/208/3	10.00 A	WP JUNCTION BOX	12"	E,F
RH0135 - 8'	8' HOT DELI SELF-SERVICE MULTI-DECK	CUSTOM DELI'S	ILW-CB-SS	120/208/3	26.00 A	WP JUNCTION BOX	12"	E,F

A. PROVIDE CORROSION RESISTANT PLUG, CONNECTOR, AND WEATHERPROOF BOOTS. CONNECTOR AND WEATHERBOOTS SHALL BE FROM THE SAME MANUFACTURER.
B. PROVIDE MATCHING CORD AND MALE PLUG.
C. WIRING DEVICE ON DROP CORD FROM CEILING. REFER TO SUSPENDED DROP CORD DETAILS.
D. WIRING DEVICE CIRCUITED TO SHUNT-TRIP BREAKER.
E. PROVIDE WEATHERTIGHT FLEX CONDUIT AND WIRING FROM DISCONNECT SWITCH OR JUNCTION BOX TO EQUIPMENT KNOCKOUT OR ELECTRICAL CONNECTION POINT.
F. MAKE FINAL CONNECTIONS TO EQUIPMENT.
G. PROVIDE CORROSION PROOF PLUGS AND RECEPTACLES FOR EQUIPMENT SPECIFIED ON ELECTRICAL EQUIPMENT SCHEDULE NOTES.
H. VERIFY EXACT POINT(S) OF CONNECTION(S) AND FIELD WIRING REQUIREMENTS WITH EQUIPMENT INSTALLER.
I. IF NOT FURNISHED WITH EQUIPMENT, FURNISH AND INSTALL 6'-0" LONG SJO CORD WITH GROUNDING CONDUCTOR, SIZED AS FOLLOWS:
5 CONDUCTORS: #8W,(28A), #10W,(20A), #12W,(16A), #14W,(12A). 4 CONDUCTORS: #4,(60A), #8W,(35A), #10W,(25A), #12W,(20A), #14W,(15A).
3 CONDUCTORS: #8W,(40A), #10W,(30A), #12W,(25A), #14W,(18A). FURNISH AND INSTALL GROUNDING TYPE ATTACHMENT CAP
J. SEE ELECTRICAL SPECIFICATIONS FOR RECEPTACLE, CONNECTOR, AND PLUG INFORMATION. PROVIDE AS REQUIRED.
K. CORD AND PLUG FURNISHED WITH EQUIPMENT.
L. FAN CONNECTED THROUGH 120V RELAY, 10A MAX

FEEDER SCHEDULE

ALL CONDUIT AND CONDUCTOR SIZES ARE BASED ON EMT WITH 40% FILL, 75ºC RATED TERMINATIONS AND TYPE THHN/THWN-2 INSULATION. FOR NON-EMT CONDUIT OR TERMINATIONS OR INSULATION TYPES RATED LESS THAN 75ºC, MODIFY SIZES ACCORDING TO NEC.

XXX	FEEDER OR GROUND SIZE
42	(2)#8, (1)#10 G, 1/2" C

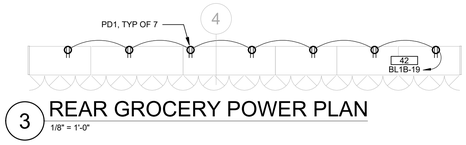
KEYNOTES

16.145 CONNECT CIRCUIT(S) TO EXISTING BRANCH CIRCUITRY. MINIMUM WIRE SIZE AND PANELBOARD CIRCUIT ARE NOTED. VERIFY SIZE, RATING AND CONDITION OF EXISTING BRANCH CIRCUIT CONDUIT AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET REQUIRED SIZE, AND ALL U.L. RATINGS AND REPLACE AS REQUIRED.

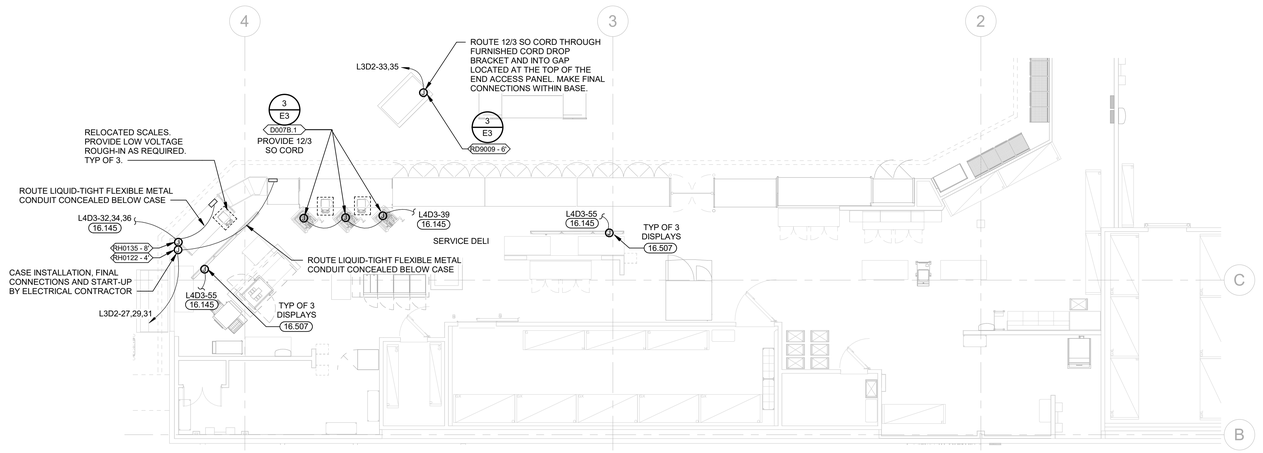
16.489 RELOCATE, EXTEND, AND RECONNECT CIRCUITRY AND ELECTRICAL DEVICES FOR RELOCATED AND/OR NEW EQUIPMENT. VERIFY CONDITION OF BRANCH CIRCUITRY, CONDUIT AND WIRE TO ENSURE THEY MEET ALL U.L. RATINGS AND REPLACE AS REQUIRED. VERIFY FINAL LOCATION OF RELOCATED/NEW EQUIPMENT WITH WALMART CONSTRUCTION MANAGER PRIOR TO ROUGH-IN.

16.492 E.C. SHALL COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECTURAL DEMOLITION PLANS THE EXTENT OF ELECTRICAL DEMOLITION. REMOVE UNUSED DEVICES, BOXES, CONDUITS, AND WIRING BACK TO ORIGINATING JUNCTION BOXES OR PANELBOARDS. REFERENCE POWER PLANS FOR CIRCUITRY TO BE REUSED. DEMOLITION SHALL NOT AFFECT ACTIVE CIRCUITS. IF CIRCUIT IS DEMOLISHED ALL THE WAY TO PANELBOARD, REMOVE CIRCUIT BREAKER AND REPLACE WITH FILLER PLATE. UPDATE TYPEWRITTEN CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPACE". COORDINATE EXACT REQUIREMENTS WITH EXISTING CONDITIONS PRIOR TO BID.

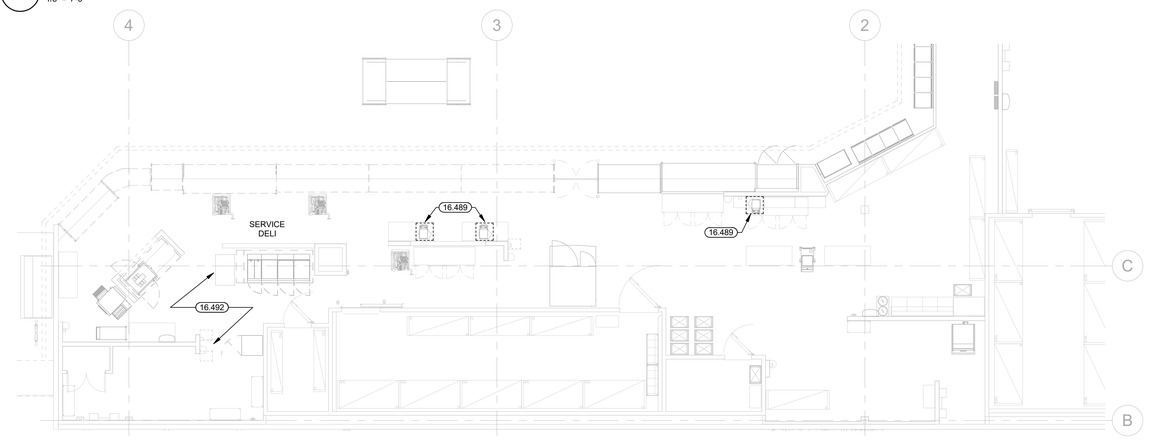
16.507 DIGITAL DISPLAYS: MOUNT JUNCTION BOX AT STRUCTURE. AFTER INSTALLATION OF DROP POLE AND DISPLAY MOUNTING BRACKET, EXTEND CONDUCTORS IN ½" FLEXIBLE METAL CONDUIT, ROUTED INSIDE DROP POLE, TO EACH DISPLAY MOUNTING BRACKET. PROVIDE 120V, 20A DUPLEX RECEPTACLE ON REAR OF EACH DISPLAY MOUNTING BRACKET AND MAKE FINAL TERMINATIONS. COORDINATE DISPLAY LOCATIONS WITH STORE SETUP SUPERVISOR.



3 REAR GROCERY POWER PLAN
1/8" = 1'-0"



2 GROCERY POWER PLAN
1/8" = 1'-0"



1 GROCERY DEMO PLAN
1/8" = 1'-0"

brr
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PROTO CYCLE:	03/29/24
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PRCTI20241053

ROBERT DALE SCHEIDT
STATE OF WASHINGTON
16736
REGISTERED PROFESSIONAL ENGINEER
05/10/2024

GROCERY POWER PLANS

SHEET: GE2

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

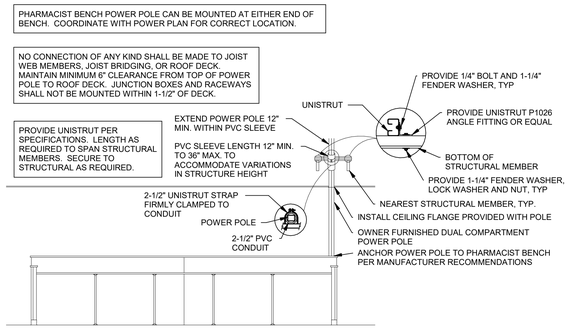
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GENERAL MODULAR NOTES

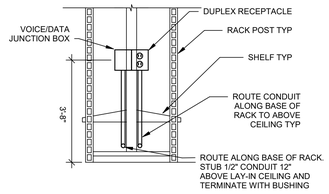
1. COORDINATE AREA OF EXISTING CEILING GRID TO BE REPLACED WITH GENERAL CONTRACTOR. COORDINATE ANY REQUIRED ELECTRICAL WORK INCLUDING REMOVAL OF EXISTING FIXTURES. MAINTAIN EXISTING LAYOUT, CIRCUITRY, AND CONTROLS UNLESS OTHERWISE NOTED.
2. COORDINATE WITH GENERAL CONTRACTOR FOR PHARMACY DEMOLITION REQUIREMENTS.
3. ELECTRICAL CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR ON ACTUAL PHASING OF PHARMACY CONSTRUCTION. REUSE EXISTING COUNTER BRANCH CIRCUITRY AS MUCH AS POSSIBLE.
4. ELECTRICAL CONTRACTOR TO RELOCATE ALL DRIVE THRU EQUIPMENT POWER AND DATA AS REQUIRED. COORDINATE WITH GENERAL CONTRACTOR AND CONSTRUCTION MANAGER.PROVIDE LISTED HANDLE-TIE BETWEEN FRONT COUNTER CIRCUIT BREAKERS THAT SHARE COMMON NEUTRAL FOR SIMULTANEOUS TRIP.
5. PHARMACY REFRIGERATION SYSTEMS TO REMAIN ENERGIZED DURING ALL PHASES OF CONSTRUCTION.
6. PHARMACIST BENCH CAN BE RELOCATED PER THE FOLLOWING MAXIMUM DIMENSIONS, AS NEEDED TO RELOCATE THE POWER POLE THAT IS PLACED OPPOSITE END OF BENCH FROM HEALTH SERVICE ROOM TO MISS OBSTRUCTIONS IN THE CEILING ABOVE POWER POLE (LIGHTING AND/OR DIFFUSERS). THE BENCH CAN SLIDE A MAXIMUM 6" TO EITHER SIDE. THE BENCH MUST BE A MINIMUM OF 4'-0" FROM FRONT OF WILL CALL TO THE FRONT COUNTER, AND A MINIMUM OF 4'-0" FROM REAR OF BENCH TO FILL POD. COORDINATE WITH GENERAL CONTRACTOR PRIOR TO PHARMACIST BENCH ANCHORING
7. PROVIDE LISTED HANDLE-TIE BETWEEN FRONT COUNTER CIRCUIT BREAKERS THAT SHARE COMMON NEUTRAL FOR SIMULTANEOUS TRIP.
8. BRANCH CIRCUITRY AT FRONT COUNTER TO BE RUN THROUGH SIDEWALLS. COORDINATE DEVICE MOUNTING WITH JUNCTION BOXES PRE INSTALLED IN PANELS.
9. VENDOR FURNISHED MODULAR POWER DISTRIBUTION INCLUDES ALL REQUIRED LINE ENTRY CABLES, POWER-TO-POWER CABLE ASSEMBLIES, POWER DISTRIBUTION MODULES, POWER STRIPS AND OUTLETS. REFER TO MANUFACTURER'S INSTRUCTIONS FOR PROPER MOUNTING OF MODULAR POWER DISTRIBUTION.
10. WHEN MAKING FINAL CONNECTIONS, ELECTRICAL CONTRACTOR TO CONNECT DEVICES TO MODULAR POWER IN THAT SECTION OF COUNTER ONLY. DO NOT CONNECT TO OTHER SECTIONS OF FRONT COUNTER.
11. ELECTRICAL CONTRACTOR TO INSTALL VENDOR FURNISHED 50' WHIP FOR PHARMACIST BENCH. IF PANELBOARD BEING USED TO SERVE WHIP CIRCUITS IS MORE THAN 50' CIRCUIT FEET, ELECTRICAL CONTRACTOR TO SPLICE FEEDER TO WHIP PER NEC. DO NOT SPLICE WHIP IF PANELBOARD IS LESS THAN 50' CIRCUIT FEET FROM PHARMACIST BENCH.

LEGEND FOR MODULAR COMPONENTS

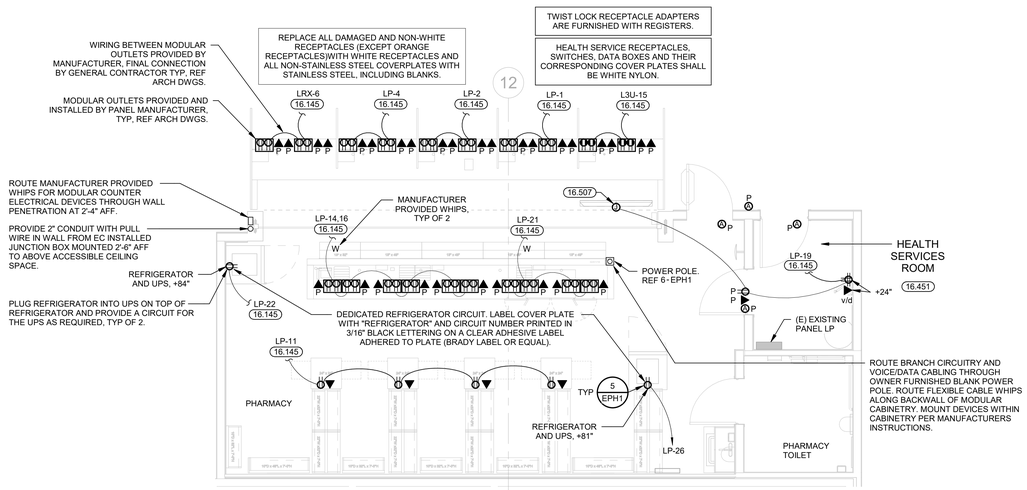
- RECEPTACLE INSTALLED IN POWER STRIP
- SINGLE CIRCUIT POWER STRIP
- MODULAR POWER DISTRIBUTION SYSTEM FURNISHED BY VENDOR, INSTALLED BY E.C.
- CIRCUIT 1
- DOUBLE CIRCUIT POWER STRIP
- CIRCUIT 2
- CIRCUIT 1
- P $, P $OS/D — JUNCTION BOX FOR SWITCH PRE-INSTALLED BY MODULAR MANUFACTURER.
- ▼P — VOICE/DATA BOX PRE-INSTALLED BY MODULAR MANUFACTURER.
- P — OUTLET, BOX, AND WIRING BETWEEN DEVICES PRE-INSTALLED BY MODULAR MANUFACTURER. E.C. TO MAKE FINAL CONNECTION AS REQUIRED.
- Ⓐ P — ALARM SYSTEM JUNCTION BOX PRE-INSTALLED BY MODULAR MANUFACTURER.
- W — PRE-MANUFACTURED WHIP. E.C. TO PROVIDE CONNECTION TO WHIP AS SHOWN.
- IG, W → PNL-#1G
- W → PNL-#1,#2



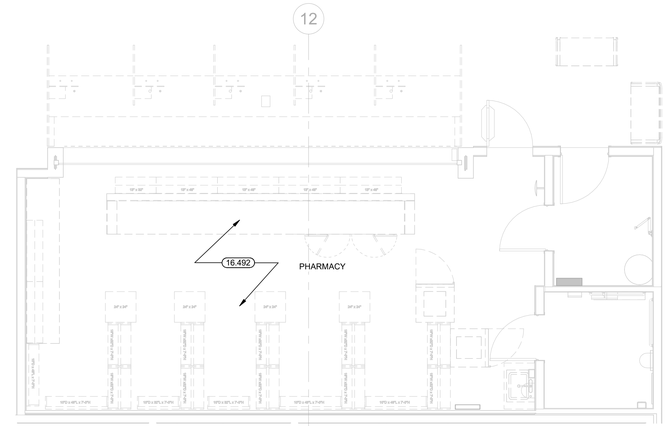
6 PHARMACIST BENCH POWER POLE
1/4" = 1'-0"



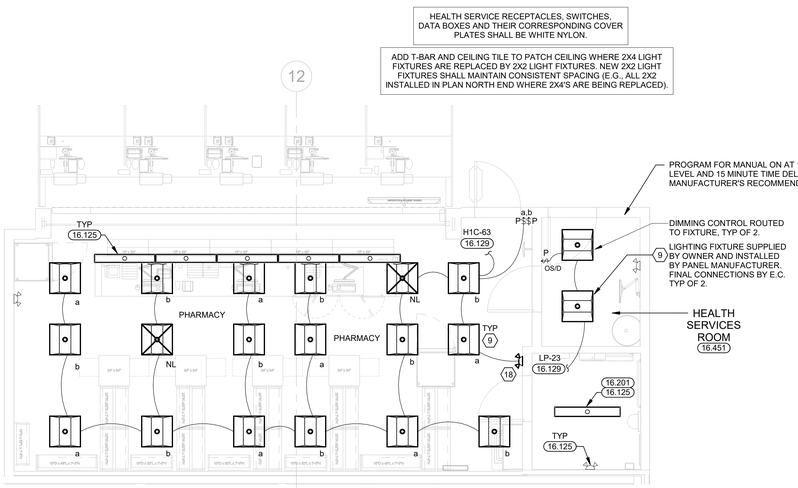
5 PHARMACY RACK POWER
12" = 1'-0"



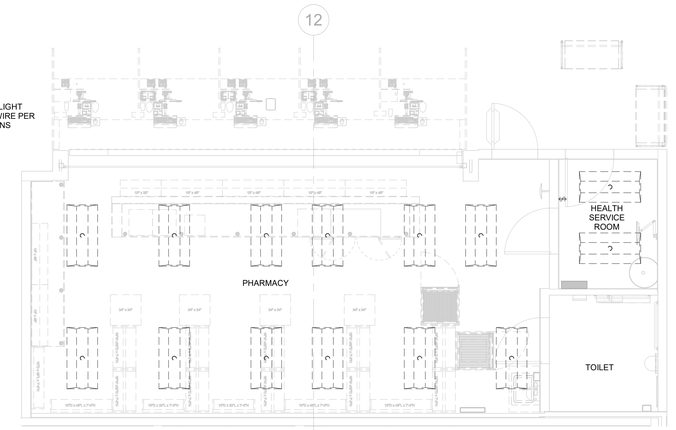
4 PHARMACY POWER PLAN
1/4" = 1'-0"



3 PHARMACY POWER DEMO PLAN
1/4" = 1'-0"



2 PHARMACY LIGHTING PLAN
1/4" = 1'-0"



1 PHARMACY LIGHTING DEMO PLAN
1/4" = 1'-0"

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

KEYNOTES

16.125 EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE.

16.129 CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING AREA LIGHTING THAT WAS REMOVED. MAINTAIN EXISTING CIRCUIT CONTROL UNLESS NOTED OTHERWISE. PROVIDE CONSTANT HOT FOR EMERGENCY EXIT AND LOCALLY CONTROLLED LIGHT FIXTURES.

16.145 CONNECT CIRCUIT(S) TO EXISTING BRANCH CIRCUITRY. MINIMUM WIRE SIZE AND PANELBOARD CIRCUIT ARE NOTED. VERIFY SIZE, RATING AND CONDITION OF EXISTING BRANCH CIRCUIT CONDUIT AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET REQUIRED SIZE, AND ALL U.L. RATINGS AND REPLACE AS REQUIRED.

16.201 EXTERIOR SIGN POWER: WHERE ELECTRICAL CONNECTIONS FOR SIGNAGE OCCUR BELOW ROOF LINE, ROUTE POWER TO WALL AT SIGN CONTROL BOX(ES). WHERE ELECTRICAL CONNECTIONS FOR SIGNAGE OCCUR ABOVE ROOF LINE, PROVIDE UNISTRUT TO MOUNT CONTROL BOX(ES) TO BACK SIDE OF PARAPET. LOW VOLTAGE WIRING FROM CONTROL BOX(ES) TO SIGN PROVIDED AND INSTALLED BY OTHERS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT SIGN LOCATION(S) PRIOR TO INSTALLATION. PROVIDE ONLY ONE PENETRATION THROUGH THE ROOF. REF ARCHITECTURAL EXTERIOR WALL SECTIONS AND SIGN ATTACHMENT FOR ROOF AND PARAPET PENETRATION REQUIREMENTS.

16.451 PROVIDE EMT WITH PROPERLY INSTALLED COMPRESSION OR SET-SCREW TYPE FITTINGS AND AN INSULATED EQUIPMENT GROUNDING CONDUCTOR FOR ALL RACEWAYS SERVING THIS ROOM TO COMPLY WITH NEC, HEALTH CARE FACILITIES.

16.492 E.C. SHALL COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECTURAL DEMOLITION PLANS THE EXTENT OF ELECTRICAL DEMOLITION. REMOVE UNUSED DEVICES, BOXES, CONDUITS, AND WIRING BACK TO ORIGINATING JUNCTION BOXES OR PANELBOARDS. REFERENCE POWER PLANS FOR CIRCUITRY TO BE REUSED. DEMOLITION SHALL NOT AFFECT ACTIVE CIRCUITS. IF CIRCUIT IS DEMOLISHED ALL THE WAY TO PANELBOARD, REMOVE CIRCUIT BREAKER AND REPLACE WITH FILLER PLATE. UPDATE TYPEWRITTEN CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPACE". COORDINATE EXACT REQUIREMENTS WITH EXISTING CONDITIONS PRIOR TO BID.

16.507 DIGITAL DISPLAYS: MOUNT JUNCTION BOX AT STRUCTURE. AFTER INSTALLATION OF DROP POLE AND DISPLAY MOUNTING BRACKET, EXTEND CONDUCTORS IN ½" FLEXIBLE METAL CONDUIT, ROUTED INSIDE DROP POLE, TO EACH DISPLAY MOUNTING BRACKET. PROVIDE 120V, 20A DUPLEX RECEPTACLE ON REAR OF EACH DISPLAY MOUNTING BRACKET AND MAKE FINAL TERMINATIONS. COORDINATE DISPLAY LOCATIONS WITH STORE SETUP SUPERVISOR.

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ROBERT DALE SHERMAN
STATE OF WASHINGTON
16736
REGISTERED PROFESSIONAL ENGINEER
05/10/2024

PHARMACY ELECTRICAL PLAN

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GENERAL NOTES

1.0 GENERAL
- 1.1 ALL FIXTURES SHALL BE DESIGNED TO MEET ALL BUILDING CODE REQUIREMENTS INCLUDING SECTION 2209.1 OF THE 2021 IBC.
- 1.2 JOHNSTON BURKHOLDER ASSOCIATES HAS DESIGNED THE BASE ANCHORAGE, MEMBERS AND CONNECTIONS FOR THE FIXTURES SHOWN ON THIS INSTALLATION DRAWING TO RESIST DESIGN SEISMIC LATERAL FORCES FOR THE BUILDING CODES NOTED IN THE "DESIGN LOADS" TABLE ON THIS SHEET. INSTALLATION OF THE FIXTURES SHALL MEET THE LAYOUT SHOWN ON THE FIXTURE LAYOUT PLAN, PROVIDED BY OWNER.

2.0 SLAB AND FOUNDATION
- 2.1 SLAB ON GRADE IS ASSUMED TO HAVE A MINIMUM OF 3,500 PSI COMPRESSIVE STRENGTH.
- 2.2 THE SLAB ON GRADE IS ASSUMED TO BE A MINIMUM OF 4 INCHES THICK (5 1/2 INCHES THICK MINIMUM AT THE EXTERIOR GARDEN CENTER AND RECEIVING AREAS), UNREINFORCED AND PLACED OVER A MINIMUM OF 4 INCHES OF DRAINAGE FILL.
- 2.3 THE SLAB ON GRADE IS DESIGNED TO BEAR ON A NET SOIL BEARING CAPACITY OF 1500 PSF MINIMUM.

3.0 MATERIAL FOR RACKS AND ANCHORAGE
- 3.1 ALL ANCHORS TO THE SLAB SHALL BE AS NOTED ON THESE PLANS.
- 3.2 OWNER IS TO PROVIDE MAINTENANCE PER RMI/ANSI MH16.1 SECTION 1.4.1.
- 3.3 FIXTURE INSTALLER SHALL OBTAIN OUT-OF-PLUMB INSTALLATION TOLERANCE FROM FIXTURE SUPPLIER PRIOR TO INSTALLATION PER RMI/ANSI MH16.1 SECTION 1.4.11.1.
- 3.4 NO FIELD WELDING IS PERMITTED. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS, IN AN APPROVED SHOP. USE E70xx WELD RODS OR EQUAL TO TENSILE STRENGTH OF BASE METAL OF WELDMENTS. PER AWS D1.1 OR D1.3.
- 3.5 PROVIDE 6" AT 120° TALL RACKS AND 4 1/2" AT RACKS LESS THAN 120° (OR EQUAL TO 5% OF THE UPRIGHT FRAME HEIGHT) MINIMUM CLEARANCE BETWEEN OTHER RACK FIXTURES OR ADJACENT BUILDING ELEMENTS PER ASCE 7-16, SECTION 15.5.3.3.4.

4.0 ROLES AND RESPONSIBILITIES FOR DEMOLITION AND INSTALLATION OF SHELVING AND RACKING FIXTURES
- 4.1 RELOCATION AND SETUP OF GONDOLAS AND/OR RACKING AS INDICATED ON FXS SHEETS WILL BE PERFORMED BY OTHERS. ANCHORING OF UPRIGHTS TO BE PERFORMED BY GENERAL CONTRACTOR.
- 4.2 GENERAL CONTRACTOR TO ANCHOR ALL SHELVING AND RACKING FIXTURES ACCORDING TO THE REQUIREMENTS NOTED ON THE FXS SHEETS.
- 4.3 FIXTURE ANCHORING SHALL BE ACCOMPLISHED SIMULTANEOUSLY WITH FIXTURE INSTALLATION.
- 4.4 ENSURE ALL EXISTING WALL STANDARDS AND HALF GONDOLAS TO REMAIN ARE SECURE TO WALL.
- 4.5 GENERAL CONTRACTOR SHALL ENSURE THAT PROPER PROCEDURES AND WORK SEGREGATION ARE IN PLACE DURING ALL FIXTURE ANCHORING PROCEDURES.
- 4.6 GENERAL CONTRACTOR TO CLEAN ALL RESIDUE FROM SURROUNDING FIXTURES AND AREA AS ANCHORING IS COMPLETED (CLEAN AS YOU GO).
- 4.7 GENERAL CONTRACTOR IS TO PERFORM ALL REMOVAL AND INSTALLATION OF ANCHOR STRAPS AND/OR BOLTS AT FIXTURES REQUIRING PERMANENT OR TEMPORARY RELOCATION.

DESIGN LOADS

1. BUILDING CODE
   - A. BUILDING CODE — 2021 IBC
2. GRAVITY LOADS
   - A. REFER TO MANUFACTURER'S RATED LOADS.
3. LATERAL LOADS
   - A. SEISMIC LOADS

1.	5% DAMPED SPECTRAL RESPONSE COEFF (Sds)	0.841 g
2.	1-SEC PERIOD SPECTRAL RESPONSE COEFF (Sd1)	0.541 g
3.	SEISMIC DESIGN CATEGORY	D
4.	SEISMIC SITE CLASS	D (DEFAULT)
5.	NON-BUILDING STRUCTURAL SYSTEM AND SEISMIC RESISTING SYSTEM	STEEL STORAGE RACKS
6.	RESPONSE MODIFICATION FACTOR (R)	4.0
7.	OVERSTRENGTH FACTOR (Oo)	2.0
8.	IMPORTANCE FACTOR (Ip)	
	- SALES FLOOR & GARDEN CENTER AREA	1.5 (PUBLIC ACCESS AREA)
	- STORAGE AREA	1.0 (NO PUBLIC ACCESS)
9.	ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
10.	DESIGN BASE SHEAR (PER RMI 2.6.2)	
	- SALES FLOOR & GARDEN CENTER FIXTURES	0.315W (PUBLIC ACCESS AREA)
	- STORAGE AREA RACKS	0.210W (NO PUBLIC ACCESS)

SPECIAL INSPECTIONS REQUIRED

SPECIAL INSPECTION AS REQUIRED BY SECTION 1704 OF THE 2021 INTERNATIONAL BUILDING CODE OR BY THE ENGINEER OF RECORD:

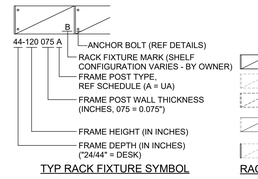
PERIODIC SPECIAL INSPECTIONS:

1. POST INSTALLED ANCHORS - MECHANICAL - USED FOR THE ANCHORAGE OF STORAGE RACK OR SALES FLOOR SHELVING FIXTURES, PER SECTION 1705.3, TABLE 1705.3(4.b.) AND 1705.13.7 OF THE 2021 INTERNATIONAL BUILDING CODE FOR EACH ANCHOR LISTED IN THE "ANCHOR BOLT DETAIL" ON SHEET FXS2.

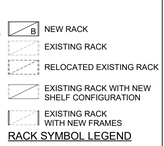
NOTES:
1. SPECIAL INSPECTIONS NOTED ABOVE SHALL BE PROVIDED BY, BUT NOT LIMITED TO, THE OWNER'S CONSTRUCTION TESTING LABORATORY (CTL). REFERENCE SPECIFICATIONS FOR DETAILS.

RACK FIXTURE SCHEDULE

FIXTURE MARK	FIXTURE DESCRIPTION	TOP SHELF HEIGHT	FRAME MARK	MAX SHELF LOAD (LBS)
AWS	DESK STORAGE RACK	120"	DESK : 24/44-120 075A	1035
B	STORAGE RACK	120"	FRAME : 44-120 125S	3300
D	STORAGE RACK	120"	FRAME : 24-120 075A	1035
T	SALES FLOOR RACK	60"	FRAME : 36-60 075B	600
W-int	SALES FLOOR RACK	84"	FRAME : 44-84 075B	1200
W-int	SALES FLOOR RACK	84"	FRAME : 48-84 075B	1200



TYP RACK FIXTURE SYMBOL



RACK SYMBOL LEGEND

RACK FRAME & ANCHORAGE SCHEDULE

FRAME MARK	ANCHOR DETAIL	FRAME COUNT
24-120 075A	2-FXS2 & 6A-FXS2	4
24/44-120 075A	2-FXS2 & 6A-FXS2	2
36-60 075B	2-FXS2 & 6B-FXS2	12
44-84 075B	2-FXS2 & 6B-FXS2	28
44-120 125S	2-FXS2 & 6A-FXS2	6
48-84 075B	2-FXS2 & 6B-FXS2	36

ANCHORAGE BILL OF MATERIALS

USAGE	MATERIAL TYPE	COUNT
ANCHOR	HILTI KWIK BOLT TZ2 – 1/2" DIAMETER x 3 3/4"	59
ANCHOR	HILTI KWIK BOLT TZ2 – 3/8" DIAMETER x 3 3/4"	3886
STRAP	ANCHOR STRAPS (GONDOLA)	3428
WALL ANCHOR	CMU - 3/8" DIA x 5" ITW RED HEAD LARGE DIAMETER TAPCON (#LDT3850)	95
WALL ANCHOR	MTL STUD WALLS – 1/4" DIA x 6" LAG SCREWS	121

NOTES:
1. ANCHOR BOLTS AND STRAPS AS NOTED ARE FURNISHED BY AND INSTALLED BY THE GENERAL CONTRACTOR (GC).
2. ANCHOR STRAP SUPPLIER CONTACT INFORMATION:
   LOZIER: JOSH GOEDKEN, joshua.goedken@lozier.biz, (402) 457-8379
   MADIX: CHERI BAGLEY, cbagley@madixinc.com, (256) 839-6354

TEMPORARY ANCHORAGE BILL OF MATERIALS

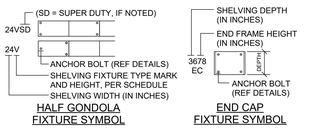
USAGE	MATERIAL TYPE	COUNT
TEMP ANCHOR	HILTI KWIK HUS-EZ - 3/8" DIAMETER x 3"	1656
TEMP STRAP	ANCHOR STRAPS (GONDOLA)	1460

RACK'S LENGTH BY TYPE

RACK MARK	RACK'S SHELF ENGTH	RACK'S FRAME POST WIDTH	RACK LENGTH
AWS	7' - 9"	3"	8' - 3"
B	7' - 9"	3"	8' - 3"
D	7' - 9"	3"	8' - 3"
T	3' - 9"	3"	4' - 3"
T	7' - 9"	3"	8' - 3"
W-int	3' - 9"	3"	4' - 3"
W-int	7' - 9"	3"	8' - 3"

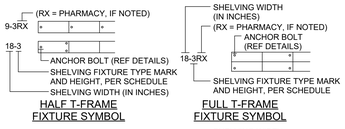
SHELVING FIXTURE & ANCHORAGE SCHEDULE

FIXTURE MARK	FIXTURE DESCRIPTION	FIXTURE HEIGHT	ANCHORAGE DETAIL
9-3RX	PHARMACY HALF T-FRAME	84"	1B-FXS2
18-3RX	PHARMACY FULL T-FRAME	84"	1B-FXS2
18R	HALF GONDOLA	48"	1A-FXS2
18S	HALF GONDOLA	54"	1A-FXS2
18T	HALF GONDOLA	60"	1A-FXS2
18V	HALF GONDOLA	78"	1A-FXS2
24T	HALF GONDOLA	60"	1A-FXS2
24U	HALF GONDOLA	66"	1A-FXS2
24V	HALF GONDOLA	78"	1A-FXS2
24W	HALF GONDOLA	84"	1A-FXS2
24X	HALF GONDOLA	90"	1A-FXS2
24XSD	SUPER DUTY HALF GONDOLA	90"	1D-FXS2
30YZ	HALF GONDOLA	120"	1A-FXS2
36R	FULL GONDOLA	48"	1E-FXS2
36T	FULL GONDOLA	60"	1E-FXS2
36V	HALF GONDOLA	78"	1A-FXS2
36X	FULL GONDOLA	90"	1E-FXS2
48V	FULL GONDOLA	78"	1E-FXS2
48X	FULL GONDOLA	90"	1E-FXS2
54X	FULL GONDOLA	90"	1E-FXS2
2490 EC	END CAP	90"	1C-FXS2
3678 EC	END CAP	78"	1C-FXS2
4878 EC	END CAP	78"	1C-FXS2



HALF GONDOLA FIXTURE SYMBOL

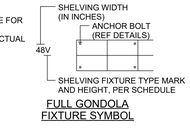
END CAP FIXTURE SYMBOL



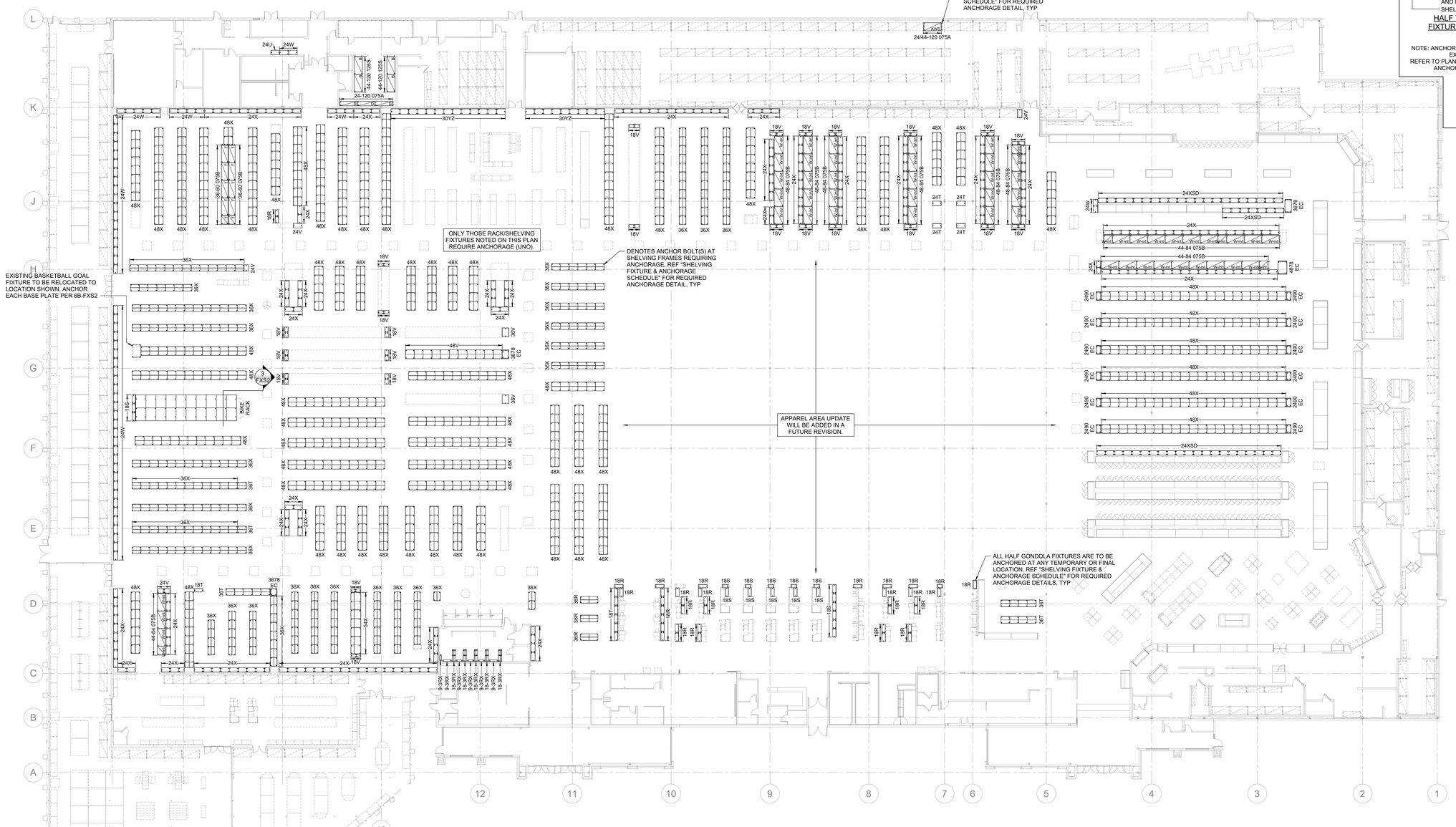
HALF T-FRAME FIXTURE SYMBOL

FULL T-FRAME FIXTURE SYMBOL

NOTE: ANCHORS SHOWN ABOVE ARE FOR EXAMPLE ONLY, REFER TO PLAN AND DETAILS FOR ACTUAL ANCHOR CONFIGURATION.



FULL GONDOLA FIXTURE SYMBOL



1 **RACK AND SHELVING FIXTURE ANCHOR PLAN**
1" = 20'-0"

brr
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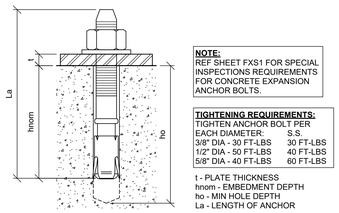
BRIAN C. HELDEN — STATE OF WASHINGTON — 22018443 — REGISTERED PROFESSIONAL ENGINEER
04/25/24

FIXTURE ANCHORAGE PLAN AND NOTES

SHEET: FXS1

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PRCTI20241053



NOTE:
REF SHEET FXS1 FOR SPECIAL INSPECTIONS REQUIREMENTS FOR CONCRETE EXPANSION ANCHOR BOLTS.

TIGHTENING REQUIREMENTS:
TIGHTEN ANCHOR BOLT PER

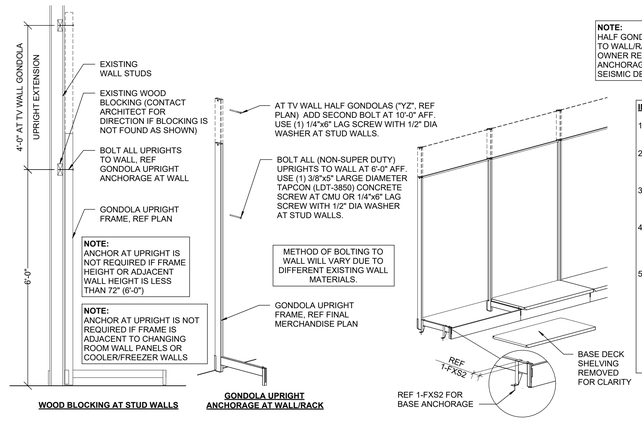
EACH DIAMETER:	S.S.
3/8" DIA - 30 FT-LBS	30 FT-LBS
1/2" DIA - 50 FT-LBS	40 FT-LBS
5/8" DIA - 40 FT-LBS	60 FT-LBS

t - PLATE THICKNESS
hnom - EMBEDMENT DEPTH
ho - MIN HOLE DEPTH
La - LENGTH OF ANCHOR

NOTE:
ALL ANCHOR BOLTS SHALL BE HILTI KWIK BOLT TZ2. THE ANCHORS MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND PER ICC ESR-4266 REPORT. (IN CASE OF CONFLICT THE ICC ESR-4266 REPORT GOVERNS). REF BASE PLATE DETAIL FOR DIAMETER AND EMBEDMENT.

NOTE:
IF CENTERLINE OF ANCHOR BOLTS FALLS WITHIN 1" OF CONTROL JOINT, SHIFT FIXTURE 2" (MAX) PERPENDICULAR TO THE JOINT, OTHERWISE SUBMIT RFI TO THE ARCHITECT FOR ALTERNATE INSTALLATION BEFORE INSTALLING BOLTS.

12 CONCRETE EXPANSION ANCHOR BOLT DETAIL
NTS



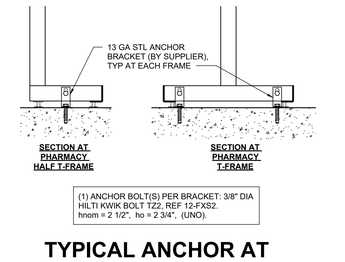
NOTE:
HALF GONDOLAS SHALL BE ANCHORED TO WALL/RACK AS SHOWN TO SATISFY OWNER REQUIREMENTS. WALL/RACK ANCHORAGE IS NOT REQUIRED FOR SEISMIC DESIGN OR CODE COMPLIANCE.

INSTALLATION NOTES:
1. GAPS BETWEEN SHELVES SHALL NOT EXCEED 5/8".
2. UPRIGHT DEFLECTION SHALL NOT EXCEED 1 3/8" IN A HORIZONTAL PLANE.
3. SHELVES SHALL NOT SLOPE DOWN TO THE FRONT DUE TO UPRIGHT DEFLECTION.
4. SHELVES ABOVE BASE DECK SHELVING LEVEL SHALL NOT EXTEND BEYOND BASE DECK SHELVING AT ANY TIME.
5. EXTENDERS SHALL NOT BE USED ON ANY HALF GONDOLA THAT WILL CREATE A HEIGHT OF 72" OR TALLER UNLESS IT IS ANCHORED TO THE WALL. ALL HALF GONDOLAS 72" OR TALLER MUST BE ANCHORED TO THE WALL AT 72" AFF, REF GONDOLA UPRIGHT ANCHORAGE AT WALL/RACK.

WOOD BLOCKING AT STUD WALLS

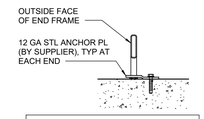
GONDOLA UPRIGHT ANCHORAGE AT WALL/RACK

10 WALL ANCHOR AT HALF GONDOLA UPRIGHT
NTS



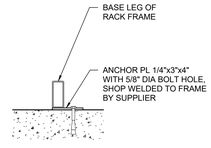
(1) ANCHOR BOLT(S) PER BRACKET: 3/8" DIA HILTI KWIK BOLT TZ2, REF 12-FXS2. hnom = 2 1/2", ho = 2 3/4", (UNO).

9 TYPICAL ANCHOR AT PHARMACY T-FRAMES
1 1/2" = 1'-0"



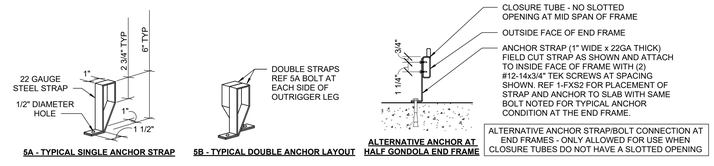
(1) ANCHOR BOLT(S) PER PLATE: 3/8" DIA HILTI KWIK BOLT TZ2, REF 12-FXS2. hnom = 2 1/2", ho = 2 3/4", (UNO).

8 ANCHOR AT END CAP FRAMES
1 1/2" = 1'-0"



(1) ANCHOR BOLT(S) PER PLATE: 3/8" DIA HILTI KWIK BOLT TZ2, REF 12-FXS2. hnom = 2 1/2", ho = 2 3/4", (UNO).

7 ANCHOR AT BIKE RACK
1 1/2" = 1'-0"

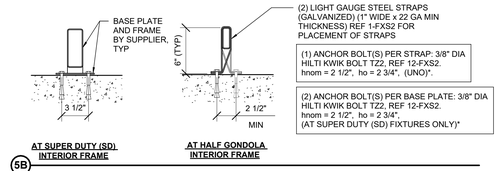


ALTERNATIVE ANCHOR STRAP/BOLT CONNECTION AT END FRAMES - ONLY ALLOWED FOR USE WHEN CLOSURE TUBES DO NOT HAVE A SLOTTED OPENING

5A - TYPICAL SINGLE ANCHOR STRAP

5B - TYPICAL DOUBLE ANCHOR LAYOUT

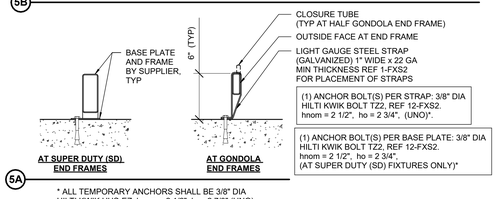
ALTERNATIVE ANCHOR AT HALF GONDOLA END FRAME



AT SUPER DUTY (SD) INTERIOR FRAME

AT HALF GONDOLA INTERIOR FRAME

5B



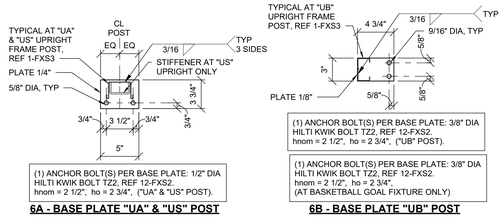
AT SUPER DUTY (SD) END FRAMES

AT GONDOLA END FRAMES

5A

* ALL TEMPORARY ANCHORS SHALL BE 3/8" DIA HILTI KWIK HUS-EZ. hnom = 2 1/2", ho =2 7/8" (UNO) REF DETAIL 4-FXS2

5 TYPICAL ANCHOR AT GONDOLA FRAMES
1 1/2" = 1'-0"



(1) ANCHOR BOLT(S) PER BASE PLATE: 1/2" DIA HILTI KWIK BOLT TZ2, REF 12-FXS2. hnom = 2 1/2", ho = 2 3/4", ("UA" & "US" POST).

6A - BASE PLATE "UA" & "US" POST

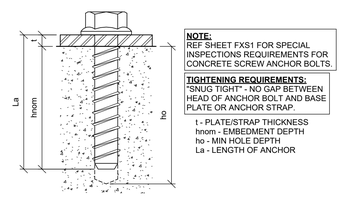
(1) ANCHOR BOLT(S) PER BASE PLATE: 3/8" DIA HILTI KWIK BOLT TZ2, REF 12-FXS2. hnom = 2 1/2", ho = 2 3/4", ("UB" POST).

(1) ANCHOR BOLT(S) PER BASE PLATE: 3/8" DIA HILTI KWIK BOLT TZ2, REF 12-FXS2. hnom = 2 1/2", ho = 2 3/4", (AT BASKETBALL GOAL FIXTURE ONLY)

6B - BASE PLATE "UB" POST

NOTES:
1. PROVIDE SIZE AND QUANTITY OF ANCHORS AS NOTED ABOVE AT EACH UPRIGHT FRAME POST.
2. WHEN BASE PLATE CONTAINS GREATER NUMBER OF BOLT HOLES THAN ANCHORS SPECIFIED. ADDITIONAL HOLES IN BASE PLATE NEED NOT BE FILLED WITH ANCHOR BOLTS.
3. PROVIDE WASHERS AS REQUIRED TO ESTABLISH REQUIRED EMBEDMENT DEPTH "hnom".

6 TYPICAL ANCHOR AT RACK FRAMES
1 1/2" = 1'-0"



NOTE:
REF SHEET FXS1 FOR SPECIAL INSPECTIONS REQUIREMENTS FOR CONCRETE SCREW ANCHOR BOLTS.

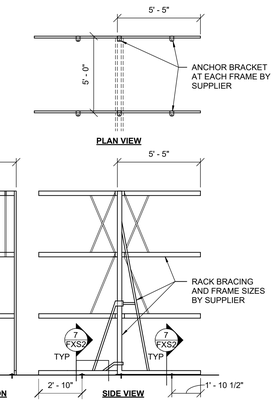
TIGHTENING REQUIREMENTS:
"SNUG TIGHT" - NO GAP BETWEEN HEAD OF ANCHOR BOLT AND BASE PLATE OR ANCHOR STRAP.

t - PLATE/STRAP THICKNESS
hnom - EMBEDMENT DEPTH
ho - MIN HOLE DEPTH
La - LENGTH OF ANCHOR

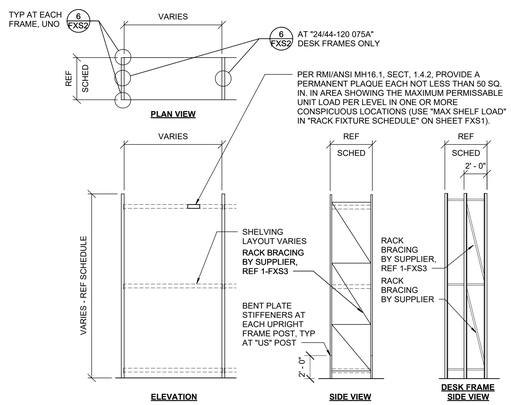
NOTE:
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NOTE:
IF CENTERLINE OF ANCHOR BOLTS FALLS WITHIN 1 3/4" OF CONTROL JOINT, SHIFT FIXTURE 2" (MAX) PERPENDICULAR TO THE JOINT, OTHERWISE SUBMIT RFI TO THE ARCHITECT FOR ALTERNATE INSTALLATION BEFORE INSTALLING BOLTS.

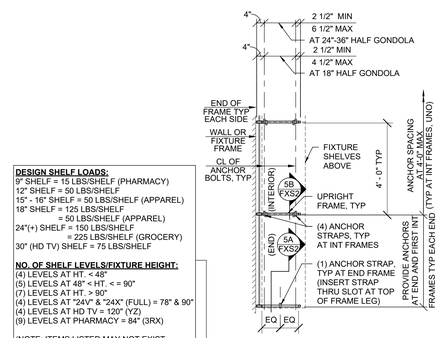
4 ANCHOR BOLT DETAIL
NTS



3 BIKE RACK ELEVATION
1/4" = 1'-0"



2 SALES FLOOR AND STORAGE AREA RACK ELEVATIONS
3/16" = 1'-0"

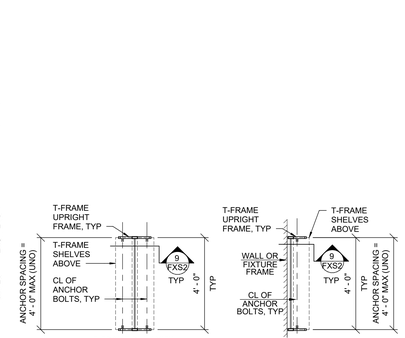


DESIGN SHELF LOADS:
9" SHELF = 15 LBS/SHELF (PHARMACY)
12" SHELF = 50 LBS/SHELF
15" - 16" SHELF = 50 LBS/SHELF (APPAREL)
18" SHELF = 125 LBS/SHELF
= 50 LBS/SHELF (APPAREL)
24"(+) SHELF = 150 LBS/SHELF
= 225 LBS/SHELF (GROCERY)
30" (HD TV) SHELF = 75 LBS/SHELF

NO. OF SHELF LEVELS/FIXTURE HEIGHT:
(4) LEVELS AT HT. < 48"
(5) LEVELS AT 48" < HT. < = 90"
(7) LEVELS AT HT. > 90"
(4) LEVELS AT "24V" & "24X" (FULL) = 78" & 90"
(4) LEVELS AT HD TV = 120" (YZ)
(9) LEVELS AT PHARMACY = 84" (3RX)

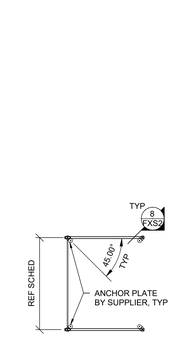
(NOTE: ITEMS LISTED MAY NOT EXIST IN PROJECT)

HALF GONDOLA PLAN VIEW

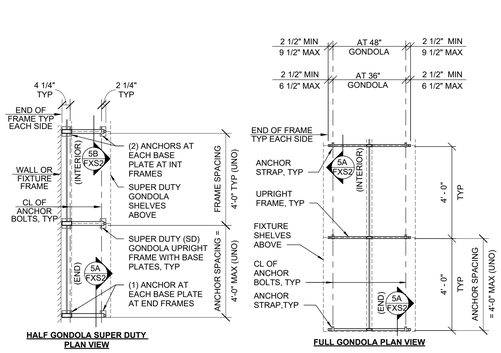


T-FRAME PLAN VIEW AT PHARMACY

HALF T-FRAME PLAN VIEW AT PHARMACY WALL

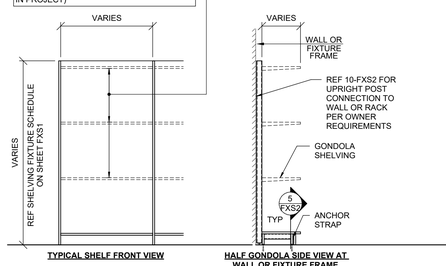


END CAP PLAN VIEW

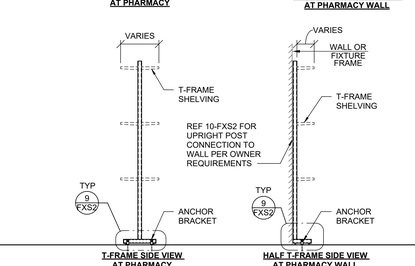


HALF GONDOLA SUPER DUTY PLAN VIEW

FULL GONDOLA PLAN VIEW

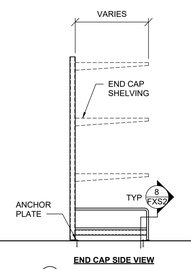


HALF GONDOLA SIDE VIEW AT WALL OR FIXTURE FRAME

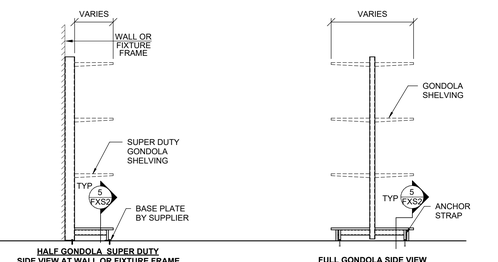


T-FRAME SIDE VIEW AT PHARMACY

HALF T-FRAME SIDE VIEW AT PHARMACY WALL



END CAP SIDE VIEW



HALF GONDOLA SUPER DUTY SIDE VIEW AT WALL OR FIXTURE FRAME

FULL GONDOLA SIDE VIEW

1 TYPICAL GONDOLA, PHARMACY T-FRAME AND END CAP SHELVING ELEVATIONS
3/8" = 1'-0"

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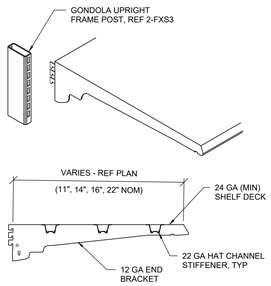
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04/25/24

FIXTURE ANCHORAGE DETAILS

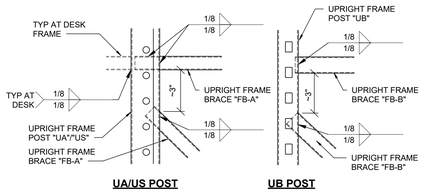
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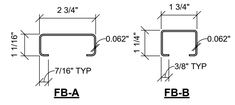
TYPICAL GONDOLA SHELF SECTION

7 1 1/2" = 1'-0"



UPRIGHT FRAME - HORIZ/DIAGONAL BEAM-TO-POST CONNECTION DETAILS

6 3" = 1'-0"

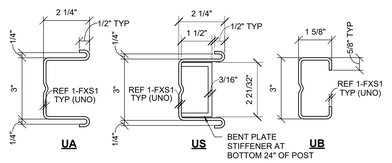


NOTE: ASTM A570, GRADE 55, Fy = 55 KSI

UPRIGHT FRAME BRACE SECTIONS

5 4" = 1'-0"

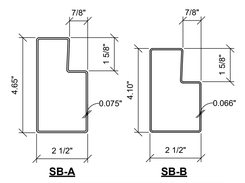
POST SCHEDULE			
MARK	WIDTH	DEPTH	THICKNESS
UA-075	3"	2 1/4"	0.075"
UB-075	3"	1 5/8"	0.075"
US-125	3"	2 1/4"	0.125"



NOTE: ASTM A570, GRADE 55, Fy = 55 KSI

UPRIGHT FRAME POST SECTIONS

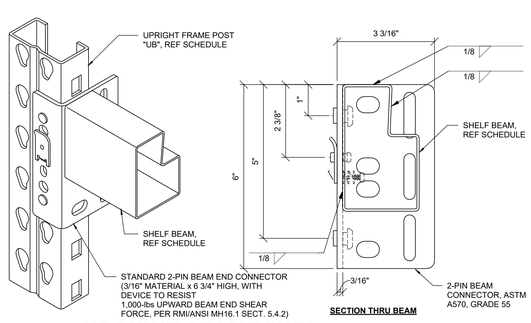
4 4" = 1'-0"



NOTE: ASTM A570, GRADE 55, Fy = 55 KSI

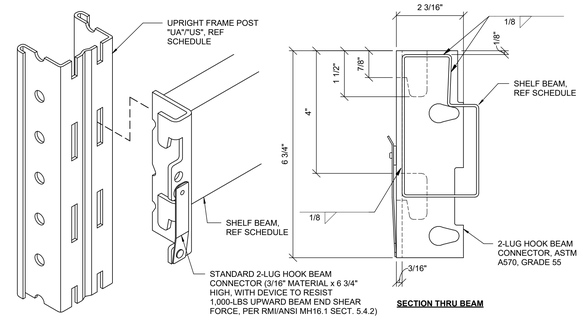
RACK SHELF BEAM SECTIONS

3 4" =1'-0"



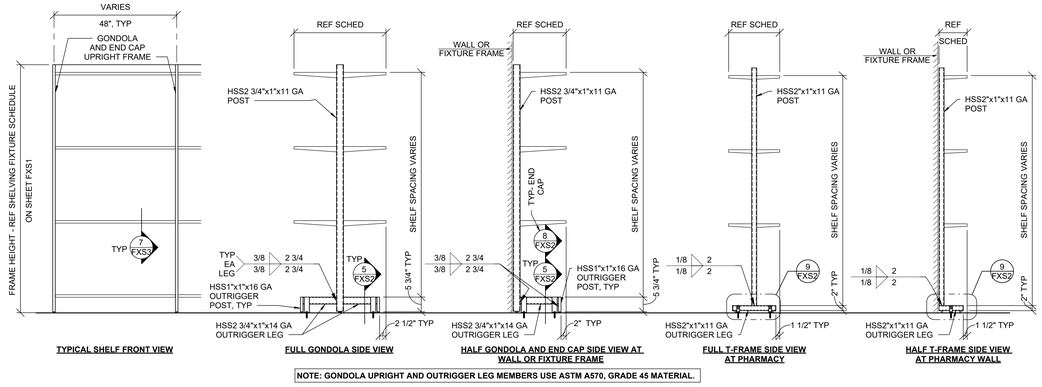
UPRIGHT FRAME "UB" POST TO SHELF BEAM CONNECTION

9 6" = 1'-0"



UPRIGHT FRAME "UA"/"US" POST TO SHELF BEAM CONNECTION

8 6" = 1'-0"



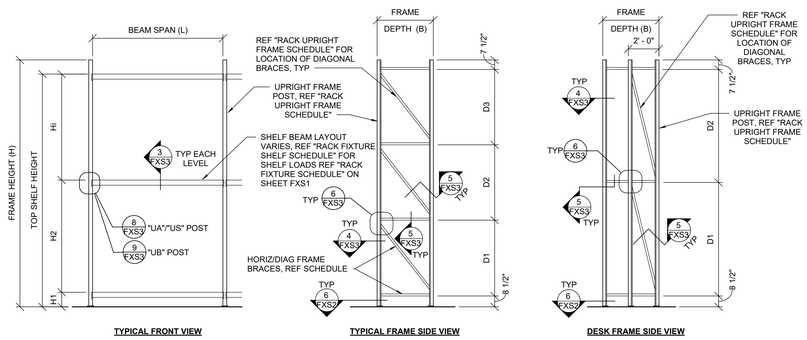
NOTE: GONDOLA UPRIGHT AND OUTRIGGER LEG MEMBERS USE ASTM A570, GRADE 45 MATERIAL.

TYPICAL GONDOLA, PHARMACY T-FRAME AND END CAP FRAMING ELEVATIONS

2 1/2" = 1'-0"

RACK FIXTURE SHELF SCHEDULE											
				RACK FIXTURE SHELF BEAM							
FIXTURE MARK	FRAME DEPTH (B)	FRAME HEIGHT (H)	TOP SHELF HEIGHT	BEAM MARK	BEAM SPAN (L)	H1	H2	H3	H4	H5	H6
AWS	44"	120"	120"	BEAM : SB-A	93"	36"	48"	36"	0"	0"	0"
B	44"	120"	120"	BEAM : SB-A	93"	12"	36"	36"	36"	0"	0"
D	24"	120"	120"	BEAM : SB-A	93"	12"	36"	36"	36"	0"	0"
T	36"	60"	60"	BEAM : SB-B	45"	8"	26"	26"	0"	0"	0"
T	36"	60"	60"	BEAM : SB-B	93"	8"	26"	26"	0"	0"	0"
W-int	44"	84"	84"	BEAM : SB-B	45"	12"	36"	36"	0"	0"	0"
W-int	48"	84"	84"	BEAM : SB-B	45"	12"	36"	36"	0"	0"	0"
W-int	44"	84"	84"	BEAM : SB-B	93"	12"	36"	36"	0"	0"	0"
W-int	48"	84"	84"	BEAM : SB-B	93"	12"	36"	36"	0"	0"	0"

RACK UPRIGHT FRAME SCHEDULE										
					HORIZ/DIAG FRAME BRACES				FRAME DIAGONALS		
FRAME MARK	FRAME DEPTH (B)	FRAME HEIGHT (H)	POST TYPE	BASE PLATE TYPE	BRACE TYPE	D1	D2	D3	D1	D2	D3
24-120 075A	24"	120"	POST : UA-075	BASE : BP-UA	BRACE : FB-A	40"	40"	24"	Yes	Yes	No
24/44-120 075A	44"	120"	POST : UA-075	BASE : BP-UA	BRACE : FB-A	52"	52"	0"	Yes	Yes	No
36-60 075B	36"	60"	POST : UB-075	BASE : BP-UB	BRACE : FB-B	44"	0"		Yes	No	No
44-84 075B	44"	84"	POST : UB-075	BASE : BP-UB	BRACE : FB-B	40"	28"	0"	Yes	No	No
44-120 125S	44"	120"	POST : US-125	BASE : BP-US	BRACE : FB-A	40"	40"	24"	Yes	Yes	No
48-84 075B	48"	84"	POST : UB-075	BASE : BP-UB	BRACE : FB-B	40"	28"	0"	Yes	No	No



STORAGE AREA AND SALES FLOOR RACK FRAMING ELEVATIONS

1 1/4" = 1'-0"

brr

ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
SUITE 300
OVERLAND PARK, KS 66204

www.brrarch.com

TEL: 913-262-9095
FAX: 913-262-9044

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

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Engineering	Public Works
Fire	Traffic

STIPULATION FOR REUSE

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consulting structural engineers
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913.421.6200 WWW.JBAUSA.COM
JBA NO. 24018024O3

Walmart
PUYALLUP, WA
310 31ST AVE SE
STORE NO: 02403-254
JOB NUMBER: 96546824 PROTO: 192

ISSUE BLOCK

CHECKED BY:	BBB
DRAWN BY:	KSH
PROTO CYCLE:	03/29/24
DOCUMENT DATE:	05/10/24

PRCTI20241053

FOR CONSTRUCTION

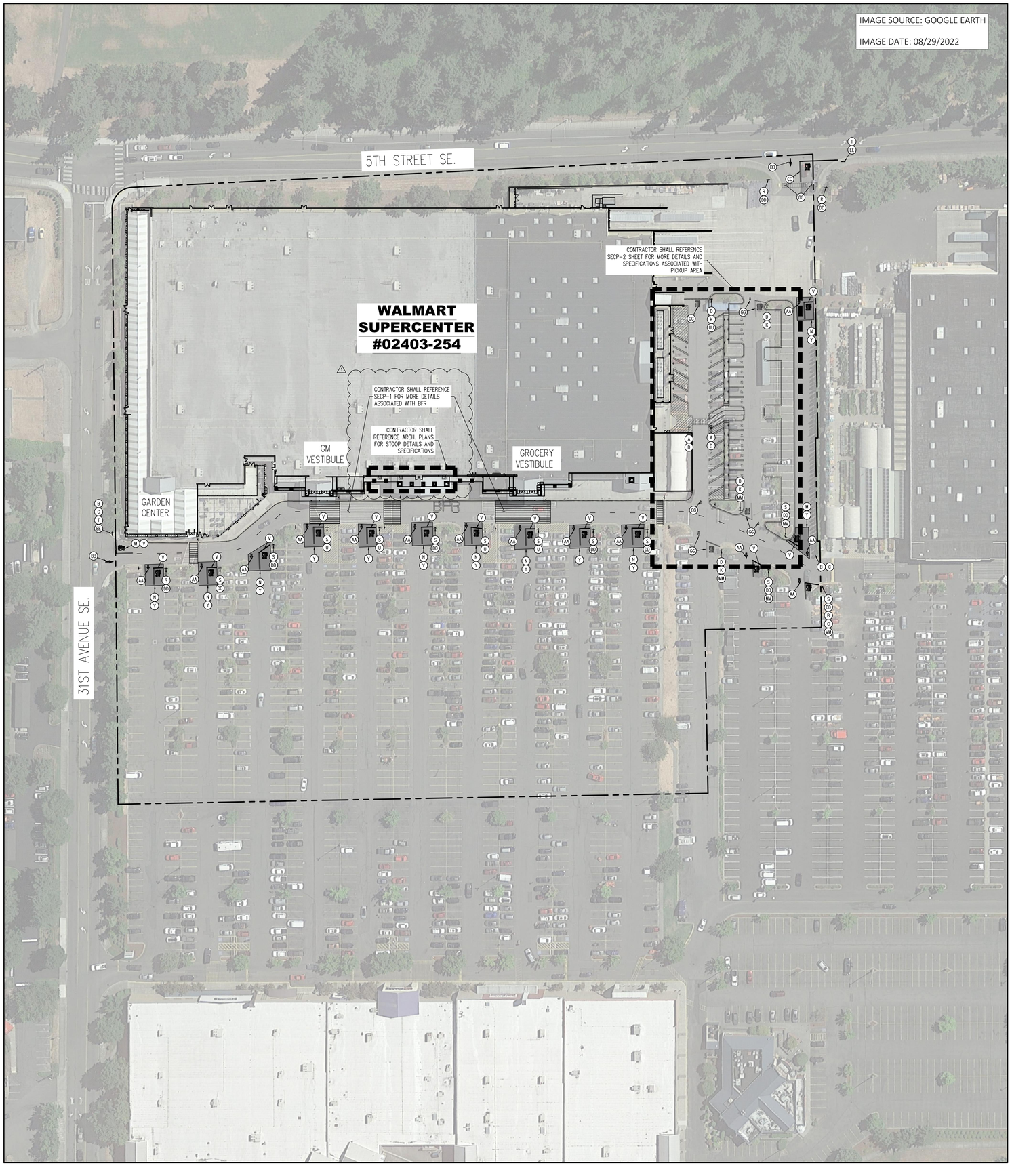
04/25/24

FIXTURE FRAMING DETAILS

SHEET: FXS3

4/25/2024 1:10:04 PM
C:\Users\kyanawa\ActiDocuments\24043_PUYALLUP_WA_WM-Black_V23_kyanawa.rvt

PRCTI20241053



SITE AND DEMOLITION LEGEND

REFERENCE DETAIL SHEET

(A) EXISTING PEDESTRIAN CROSSING SIGN TO BE REMOVED.

(B) EXISTING STOP SIGN TO BE REMOVED.

(C) EXISTING SIGN POST, BASE, AND BOLLARD BASE (WHERE APPLICABLE) TO BE REMOVED.

(D) EXISTING SIGN POST AND BASE TO REMAIN. BOLLARD (WHERE APPLICABLE) TO BE RE-PAINTED.

(E) EXISTING CROSSWALK STRIPING TO BE REMOVED.

(F) EXISTING YELD PAVEMENT MARKING TO BE REMOVED.

(G) EXISTING CENTERLINE STRIPING TO BE REMOVED

(H) EXISTING CENTERLINE STRIPING TO REMAIN AND BE RE-PAINTED.

(J) EXISTING SOLID DOUBLE YELLOW STRIPING TO BE REMOVED.

(K) EXISTING STOP SIGN TO REMAIN.

(L) EXISTING PEDESTRIAN CROSSING SIGN TO REMAIN.

(M) EXISTING STOP BAR AND STOP TEXT PAVEMENT MARKING TO BE REMOVED.

(N) EXISTING ARROW PAVEMENT MARKINGS TO BE REMOVED.

(P) EXISTING FIRE LANE STRIPING TO REMAIN AND BE RE-PAINTED.

(Q) EXISTING STOP SIGN TO BE RAISED TO MATCH CURRENT DETAILS/GUIDELINES.

(R) NEW "STOP HERE FOR PEDESTRIANS" (R1-5B) SIGN.

(S) NEW 30"X30" STOP SIGN.

(T) NEW 36"X36" STOP SIGN.

(U) NEW SIGN MOUNTING AND BASE WITH BOLLARD.

(V) NEW STOP TEXT AND STOP BAR PAVEMENT MARKINGS.

(W) NEW 4" WIDE PAINTED YELLOW STRIPES AT 45° @ 2'-0" O.C.

(X) NEW CROSSWALK MARKINGS – 6" WIDE PAINTED WHITE STRIPING PARALLEL TO DIRECTION OF TRAFFIC AT 2'-0" O.C. AND (1)-8" WHITE STRIPE PERPENDICULAR ON BOTH ENDS UNLESS NOTED OTHERWISE. ENTIRE CROSSWALK SHALL BE RE-STRIPED.

(Y) LIMITS OF SEAL COAT. APPLY SEAL COAT OVER WHERE STRIPING AND PAVEMENT MARKINGS WERE REMOVED AND WHERE NEW STRIPING AND PAVEMENT MARKINGS WILL BE APPLIED. APPLY NEW STRIPING AND PAVEMENT MARKINGS OVER SEAL COAT.

(Z) NEW 4" WIDE PAINTED YELLOW STRIPES – 6' LONG WITH 18' GAPS.

(AA) NEW OPEN ARROW PAVEMENT MARKINGS.

(BB) NEW SOLID ARROW PAVEMENT MARKINGS.

(CC) NEW 4" WIDE DOUBLE SOLID YELLOW STRIPE.

(DD) NEW SIGN MOUNTING AND BASE WITH BREAK AWAY POST.

(EE) NEW SIGN MOUNTING AND BASE WITH DOUBLE BREAK AWAY POSTS.

(FF) NEW FIRE LANE STRIPING.

(GG) EXISTING PAVEMENT MARKINGS/STRIPING TO BE INSPECTED AND REVISED/REFRESHED TO MATCH CURRENT DETAILS/GUIDELINES.

(HH) EXISTING VISIBILITY CONFLICT WITH SIGNAGE. CONTRACTOR SHALL TRIM LANDSCAPING AS REQUIRED TO CREATE UNOBSTRUCTED VIEW OF SIGNAGE.

(JJ) NEW "ONCOMING TRAFFIC DOES NOT STOP" PLAQUE.

(KK) NEW "TRAFFIC FROM LEFT DOES NOT STOP" PLAQUE.

(LL) NEW "TRAFFIC FROM RIGHT DOES NOT STOP" PLAQUE.

(MM) NEW "CROSS TRAFFIC DOES NOT STOP" PLAQUE.

(NN) EXISTING "PICK-UP" PAVEMENT MARKINGS TO BE REMOVED.

(PP) EXISTING ISLAND STRIPING TO BE REMOVED.

(QQ) NEW OCP CROSSWALK MARKINGS.

(RR) NEW CHANNELIZATION AT OCP DOOR. SEE DETAIL.

(SS) EXISTING PICKUP DIRECTIONAL SIGNAGE (NON-PROTO) TO BE REMOVED.

(TT) PROPOSED PICKUP DIRECTIONAL SIGNAGE.

(UU) EXISTING "DO NOT ENTER" SIGN TO REMAIN.

NOTES TO CONTRACTOR

1. BFR (BUILDING FRONTAGE ROAD)
   OCR (OUTER CIRCULATION ROAD)
2. CONTRACTOR SHALL INSTALL 'NEW' STOP BARS, SIGNS, AND TEXT TO MATCH CURRENT DETAILS AT THE LOCATIONS SHOWN ON THESE PLANS.
3. ALL SIGNS LOCATED ON THE BUILDING SIDE OF THE BFR SHALL BE INSTALLED ON A SINGLE POST.
4. ALL LIGHT POLE BASES SHALL BE REPAINTED AND BOLT COVERS REPLACED WHERE MISSING OR DAMAGED. PREVIOUS OR NEW OVERSPRAY ON SURROUNDING PAVEMENT SHALL BE REMOVED. SEE ARCHITECTURAL SPECIFICATION SECTION 099000 FOR ADDITIONAL INFORMATION.
5. REFRESH ENTIRE PARKING LOT STRIPING AND MARKINGS. MATCH EXISTING EXCEPT WHERE MODIFIED IN THESE DRAWINGS OR PICKUP PLAN SET (SEPARATE PLAN SET). SEE PAVEMENT MARKING SPECIFICATIONS PROVIDED WITH THIS PLAN SET.
6. IF SIMILAR WORK SEEMS TO HAVE BEEN PERFORMED WITHIN THE LAST YEAR, CONTRACTOR SHALL NOT PLAN TO RE-STRIPE/REFRESH PAVEMENT MARKINGS. CONTRACTOR SHALL COORDINATE WITH THE PROJECTS CONSTRUCTION MANAGER FOR CONFIRMATION OF THIS SCOPE OF WORK.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

Gateway
City of Puyallup
Development & Permit Service
ISSUED Permit
Building | Planning
Engineering | Public Works
Fire | Traffic
Gateway
2601 Fairmount Place Blvd, Suite 200
Lynnwood Village, CO 80111
(720) 810.6884
GatewayUS.com

STIPULATION FOR REUSE

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Walmart
PUYALLUP, WA
310 31ST AVENUE SE
STORE NUMBER: 02403-254
JOB NUMBER: WMT0002403.00 PROTO: 102
SUPERCENTER SSM SECP

ISSUE BLOCK

1	PR #1	08/20/2024

CHECKED BY:	BDA
DRAWN BY:	NJG
PROTO CYCLE:	03/29/2024
DOCUMENT DATE:	05/10/2024

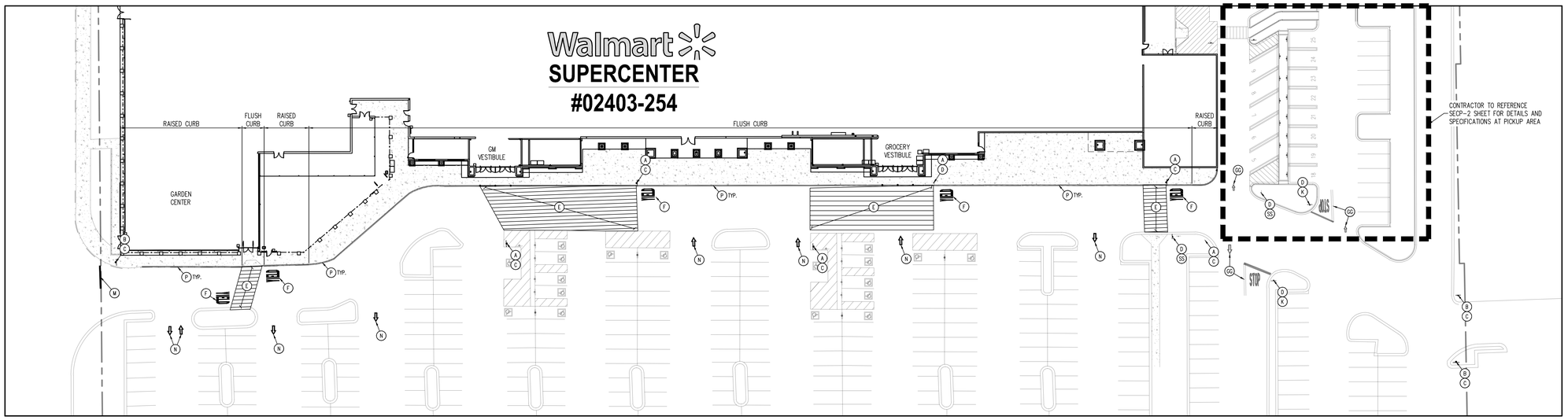
BRANDON ALLEY
STATE OF WASHINGTON
56686
REGISTERED PROFESSIONAL ENGINEER
08/22/2024

PRCTI20241053

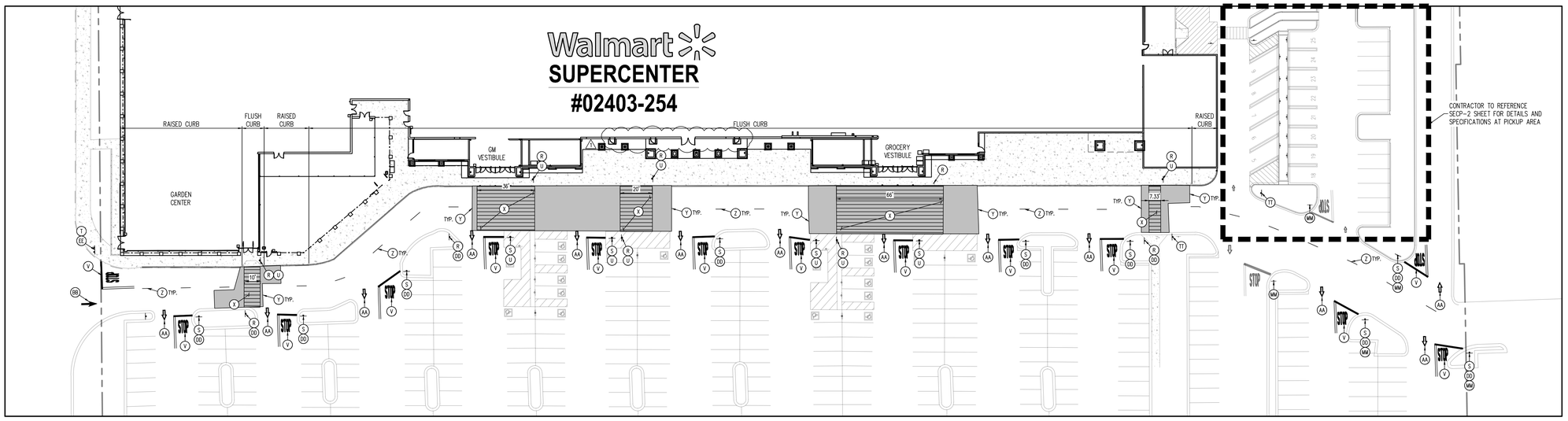
STOP SIGNS AND MARKINGS PLAN

SHEET:
SSM-1

PRCTI20241053



DEMOLITION PLAN



SITE CONSTRUCTION PLAN

SITE AND DEMOLITION LEGEND

REFERENCE DETAIL SHEET

- (A) EXISTING PEDESTRIAN CROSSING SIGN TO BE REMOVED.
- (B) EXISTING STOP SIGN TO BE REMOVED.
- (C) EXISTING SIGN POST, BASE, AND BOLLARD BASE (WHERE APPLICABLE) TO BE REMOVED.
- (D) EXISTING SIGN POST AND BASE TO REMAIN. BOLLARD (WHERE APPLICABLE) TO BE RE-PAINTED.
- (E) EXISTING CROSSWALK STRIPING TO BE REMOVED.
- (F) EXISTING YIELD PAVEMENT MARKING TO BE REMOVED.
- (G) EXISTING CENTERLINE STRIPING TO BE REMOVED
- (H) EXISTING CENTERLINE STRIPING TO REMAIN AND BE RE-PAINTED.
- (J) EXISTING SOLID DOUBLE YELLOW STRIPING TO BE REMOVED.
- (K) EXISTING STOP SIGN TO REMAIN.
- (L) EXISTING PEDESTRIAN CROSSING SIGN TO REMAIN.
- (M) EXISTING STOP BAR AND STOP TEXT PAVEMENT MARKING TO BE REMOVED.
- (N) EXISTING ARROW PAVEMENT MARKINGS TO BE REMOVED.
- (P) EXISTING FIRE LANE STRIPING TO REMAIN AND BE RE-PAINTED.
- (Q) EXISTING STOP SIGN TO BE RAISED TO MATCH CURRENT DETAILS/GUIDELINES.
- (R) NEW "STOP HERE FOR PEDESTRIANS" (R1-5B) SIGN.
- (S) NEW 30"X30" STOP SIGN.
- (T) NEW 36"X36" STOP SIGN.
- (U) NEW SIGN MOUNTING AND BASE WITH BOLLARD.
- (V) NEW STOP TEXT AND STOP BAR PAVEMENT MARKINGS.
- (W) NEW 4" WIDE PAINTED YELLOW STRIPES AT 45° @ 2'-0" O.C.
- (X) NEW CROSSWALK MARKINGS – 6" WIDE PAINTED WHITE STRIPING PARALLEL TO DIRECTION OF TRAFFIC AT 2'-0" O.C. AND (1)–8" WHITE STRIPE PERPENDICULAR ON BOTH ENDS UNLESS NOTED OTHERWISE. ENTIRE CROSSWALK SHALL BE RE-STRIPED.
- (Y) LIMITS OF SEAL COAT. APPLY SEAL COAT OVER WHERE STRIPING AND PAVEMENT MARKINGS WERE REMOVED AND WHERE NEW STRIPING AND PAVEMENT MARKINGS WILL BE APPLIED. APPLY NEW STRIPING AND PAVEMENT MARKINGS OVER SEAL COAT.
- (Z) NEW 4" WIDE PAINTED YELLOW STRIPES – 6' LONG WITH 18' GAPS.
- (AA) NEW OPEN ARROW PAVEMENT MARKINGS.
- (BB) NEW SOLID ARROW PAVEMENT MARKINGS.
- (CC) NEW 4" WIDE DOUBLE SOLID YELLOW STRIPE.
- (DD) NEW SIGN MOUNTING AND BASE WITH BREAK AWAY POST.
- (EE) NEW SIGN MOUNTING AND BASE WITH DOUBLE BREAK AWAY POSTS.
- (FF) NEW FIRE LANE STRIPING.
- (GG) EXISTING PAVEMENT MARKINGS/STRIPING TO BE INSPECTED AND REVISED/REFRESHED TO MATCH CURRENT DETAILS/GUIDELINES.
- (HH) EXISTING VISIBILITY CONFLICT WITH SIGNAGE. CONTRACTOR SHALL TRIM LANDSCAPING AS REQUIRED TO CREATE UNOBSTRUCTED VIEW OF SIGNAGE.
- (JJ) NEW "ONCOMING TRAFFIC DOES NOT STOP" PLAQUE.
- (KK) NEW "TRAFFIC FROM LEFT DOES NOT STOP" PLAQUE.
- (LL) NEW "TRAFFIC FROM RIGHT DOES NOT STOP" PLAQUE.
- (MM) NEW "CROSS TRAFFIC DOES NOT STOP" PLAQUE.
- (NN) EXISTING "PICK-UP" PAVEMENT MARKINGS TO BE REMOVED.
- (PP) EXISTING ISLAND STRIPING TO BE REMOVED.
- (QQ) NEW OGP CROSSWALK MARKINGS.
- (RR) NEW CHANNELIZATION AT OGP DOOR. SEE DETAIL.
- (SS) EXISTING PICKUP DIRECTIONAL SIGNAGE (NON-PROTO) TO BE REMOVED.
- (TT) PROPOSED PICKUP DIRECTIONAL SIGNAGE.
- (UU) EXISTING "DO NOT ENTER" SIGN TO REMAIN.

NOTES TO CONTRACTOR

1. REFERENCE SITE CONSTRUCTION PLAN FOR SITE SPECIFIC DIMENSIONS OF CROSSWALK STRIPING AND LOCATION OF SIGNAGE.
2. PROVIDE A COMPREHENSIVE CONSTRUCTION PHASING PLAN FOR THIS WORK TO THE STORE MANAGER 7 DAYS PRIOR TO STARTING ANY WORK. IT IS TO PROVIDE FOR DATE, TIMES AND DURATIONS OF LANE CLOSURES, TEMPORARY VEHICLE AND TRAFFIC CONTROL.
3. ALL EXISTING STRIPING AND PAVEMENT MARKINGS OR TEXT ALONG THE BFR (BUILDING FRONTAGE ROAD) SHALL BE REMOVED. GRIND OUT ANY DIRECTIONAL ARROWS OR STOP BARS/TEXT THAT ARE NOT CORRECTLY LOCATED ON OR INCONSISTENT WITH THE DETAILS PROVIDED. APPLY SEAL COAT TO THE COMPLETE EXTENT THAT THE STRIPING OR TEXT HAS BEEN REMOVED IN A SINGLE COMPLETE RECTANGLE TO COVER ALL REMOVED STRIPING (DO NOT APPLY SEAL COAT OVER EXISTING STRIPING OR CONCRETE). INSTALL NEW STRIPING AND SIGNAGE AS SHOW ON THE SITE CONSTRUCTION PLAN.
4. ALL SIGNS LOCATED ON THE BUILDING SIDE OF THE BFR SHALL BE INSTALLED ON A SINGLE POST WITH BOLLARD.
5. ALL LIGHT POLE BASES SHALL BE REPAINTED AND BOLT COVERS REPLACED WHERE MISSING OR DAMAGED. PREVIOUS OR NEW OVERSPRAY ON SURROUNDING PAVEMENT SHALL BE REMOVED. SEE ARCHITECTURAL SPECIFICATION SECTION 099000 FOR ADDITIONAL INFORMATION.
6. REFRESH ENTIRE PARKING LOT STRIPING AND MARKINGS. MATCH EXISTING EXCEPT WHERE MODIFIED IN THESE DRAWINGS OR PICKUP PLAN SET (SEPARATE PLAN SET). SEE PAVEMENT MARKING SPECIFICATIONS PROVIDED WITH THIS PLAN SET.
7. IF SIMILAR WORK SEEMS TO HAVE BEEN PERFORMED WITHIN THE LAST YEAR, CONTRACTOR SHALL NOT PLAN TO RE-STRIPE/REFRESH PAVEMENT MARKINGS. CONTRACTOR SHALL COORDINATE WITH THE PROJECTS CONSTRUCTION MANAGER FOR CONFIRMATION OF THIS SCOPE OF WORK.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

Gallowway
City of Puyallup
Permit & Plan Review Service
ISSUED Pursuant to:
Building | Planning
Engineering | Public Works
Fire | Traffic
Gallowway
1155 Kelly Johnson Blvd, Suite 200
Colorado Springs, CO 80920
719.900.6884
GallowayUS.com

STIPULATION FOR REUSE

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Walmart
PUYALLUP, WA
310 31ST AVENUE SE
STORE NUMBER: 02403-254
PROTO: 102
JOB NUMBER: WMT0024030

SUPERCENTER SSM SECP

ISSUE BLOCK

1	PR #1	08/20/2024

CHECKED BY:	BDA
DRAWN BY:	NJG
PROTO CYCLE:	03/29/2024
DOCUMENT DATE:	05/10/2024

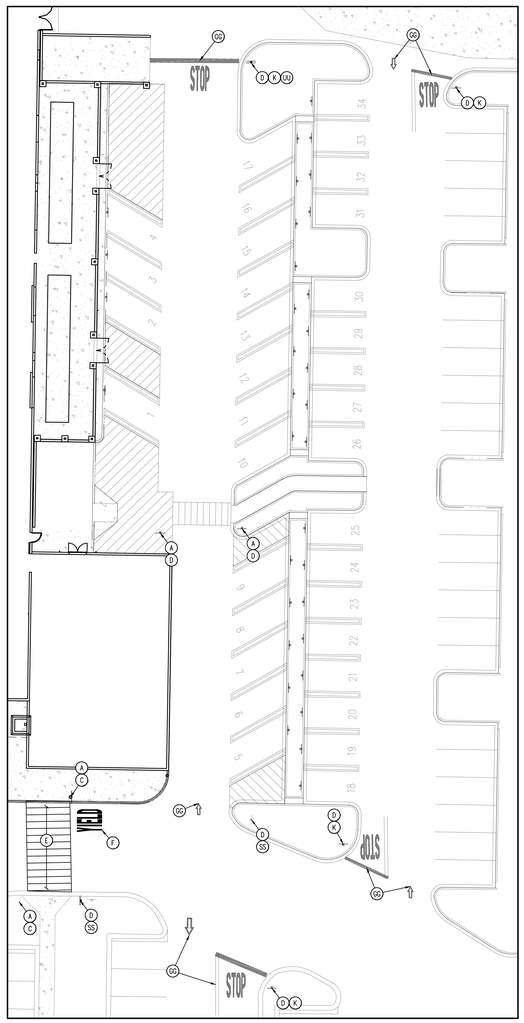
BRANDON ALLEN
STATE OF WASHINGTON
22668
REGISTERED
PROFESSIONAL ENGINEER
08/22/2024

PRCTI20241053

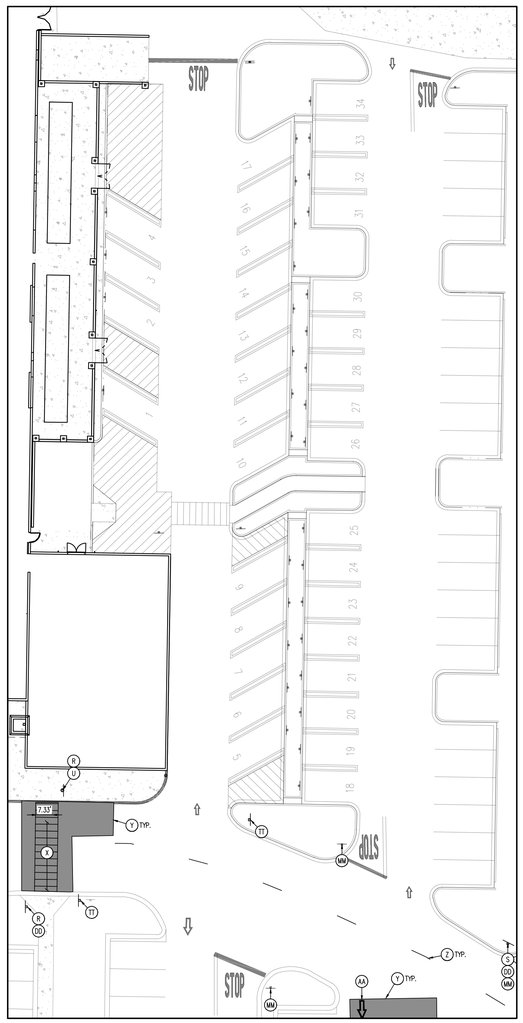
DEMOLTION AND SITE CONSTRUCTION PLAN

SHEET:
SECP-1

PRCTI20241053



DEMOLITION PLAN



SITE CONSTRUCTION PLAN

SITE AND DEMOLITION LEGEND

REFERENCE DETAIL SHEET

(A) EXISTING PEDESTRIAN CROSSING SIGN TO BE REMOVED.

(B) EXISTING STOP SIGN TO BE REMOVED.

(C) EXISTING SIGN POST, BASE, AND BOLLARD BASE (WHERE APPLICABLE) TO BE REMOVED.

(D) EXISTING SIGN POST AND BASE TO REMAIN. BOLLARD (WHERE APPLICABLE) TO BE RE-PAINTED.

(E) EXISTING CROSSWALK STRIPING TO BE REMOVED.

(F) EXISTING YIELD PAVEMENT MARKING TO BE REMOVED.

(G) EXISTING CENTERLINE STRIPING TO BE REMOVED

(H) EXISTING CENTERLINE STRIPING TO REMAIN AND BE RE-PAINTED.

(J) EXISTING SOLID DOUBLE YELLOW STRIPING TO BE REMOVED.

(K) EXISTING STOP SIGN TO REMAIN.

(L) EXISTING PEDESTRIAN CROSSING SIGN TO REMAIN.

(M) EXISTING STOP BAR AND STOP TEXT PAVEMENT MARKING TO BE REMOVED.

(N) EXISTING ARROW PAVEMENT MARKINGS TO BE REMOVED.

(P) EXISTING FIRE LANE STRIPING TO REMAIN AND BE RE-PAINTED.

(Q) EXISTING STOP SIGN TO BE RAISED TO MATCH CURRENT DETAILS/GUIDELINES.

(R) NEW "STOP HERE FOR PEDESTRIANS" (R1-5B) SIGN.

(S) NEW 30"x30" STOP SIGN.

(T) NEW 36"x36" STOP SIGN.

(U) NEW SIGN MOUNTING AND BASE WITH BOLLARD.

(V) NEW STOP TEXT AND STOP BAR PAVEMENT MARKINGS.

(W) NEW 4" WIDE PAINTED YELLOW STRIPES AT 45° @ 2'-0" O.C.

(X) NEW CROSSWALK MARKINGS – 6" WIDE PAINTED WHITE STRIPING PARALLEL TO DIRECTION OF TRAFFIC AT 2'-0" O.C. AND (1)–8" WHITE STRIPE PERPENDICULAR ON BOTH ENDS UNLESS NOTED OTHERWISE. ENTIRE CROSSWALK SHALL BE RE-STRIPED.

(Y) LIMITS OF SEAL COAT. APPLY SEAL COAT OVER WHERE STRIPING AND PAVEMENT MARKINGS WERE REMOVED AND WHERE NEW STRIPING AND PAVEMENT MARKINGS WILL BE APPLIED. APPLY NEW STRIPING AND PAVEMENT MARKINGS OVER SEAL COAT.

(Z) NEW 4" WIDE PAINTED YELLOW STRIPES – 6' LONG WITH 18' GAPS.

(AA) NEW OPEN ARROW PAVEMENT MARKINGS.

(BB) NEW SOLID ARROW PAVEMENT MARKINGS.

(CC) NEW 4" WIDE DOUBLE SOLID YELLOW STRIPE.

(DD) NEW SIGN MOUNTING AND BASE WITH BREAK AWAY POST.

(EE) NEW SIGN MOUNTING AND BASE WITH DOUBLE BREAK AWAY POSTS.

(FF) NEW FIRE LANE STRIPING.

(GG) EXISTING PAVEMENT MARKINGS/STRIPING TO BE INSPECTED AND REVISED/REFRESHED TO MATCH CURRENT DETAILS/GUIDELINES.

(HH) EXISTING VISIBILITY CONFLICT WITH SIGNAGE. CONTRACTOR SHALL TRIM LANDSCAPING AS REQUIRED TO CREATE UNOBSTRUCTED VIEW OF SIGNAGE.

(JJ) NEW "ONCOMING TRAFFIC DOES NOT STOP" PLAQUE.

(KK) NEW "TRAFFIC FROM LEFT DOES NOT STOP" PLAQUE.

(LL) NEW "TRAFFIC FROM RIGHT DOES NOT STOP" PLAQUE.

(MM) NEW "CROSS TRAFFIC DOES NOT STOP" PLAQUE.

(NN) EXISTING "PICK-UP" PAVEMENT MARKINGS TO BE REMOVED.

(PP) EXISTING ISLAND STRIPING TO BE REMOVED.

(QQ) NEW OCP CROSSWALK MARKINGS.

(RR) NEW CHANNELIZATION AT OCP DOOR. SEE DETAIL.

(SS) EXISTING PICKUP DIRECTIONAL SIGNAGE (NON-PROTO) TO BE REMOVED.

(TT) PROPOSED PICKUP DIRECTIONAL SIGNAGE.

(UU) EXISTING "DO NOT ENTER" SIGN TO REMAIN.

NOTES TO CONTRACTOR

1. REFERENCE SITE CONSTRUCTION PLAN FOR SITE SPECIFIC DIMENSIONS OF CROSSWALK STRIPING AND LOCATION OF SIGNAGE.
2. PROVIDE A COMPREHENSIVE CONSTRUCTION PHASING PLAN FOR THIS WORK TO THE STORE MANAGER 7 DAYS PRIOR TO STARTING ANY WORK. IT IS TO PROVIDE FOR DATE, TIMES AND DURATIONS OF LANE CLOSURES, TEMPORARY VEHICLE AND TRAFFIC CONTROL.
3. ALL EXISTING STRIPING AND PAVEMENT MARKINGS OR TEXT ALONG THE BFR (BUILDING FRONTAGE ROAD) SHALL BE REMOVED. GRIND OUT ANY DIRECTIONAL ARROWS OR STOP BARS/TEXT THAT ARE NOT CORRECTLY LOCATED ON OR INCONSISTENT WITH THE DETAILS PROVIDED. APPLY SEAL COAT TO THE COMPLETE EXTENT THAT THE STRIPING OR TEXT HAS BEEN REMOVED IN A SINGLE COMPLETE RECTANGLE TO COVER ALL REMOVED STRIPING (DO NOT APPLY SEAL COAT OVER EXISTING STRIPING OR CONCRETE). INSTALL NEW STRIPING AND SIGNAGE AS SHOW ON THE SITE CONSTRUCTION PLAN.
4. ALL SIGNS LOCATED ON THE BUILDING SIDE OF THE BFR SHALL BE INSTALLED ON A SINGLE POST WITH BOLLARD.
5. ALL LIGHT POLE BASES SHALL BE REPAINTED AND BOLT COVERS REPLACED WHERE MISSING OR DAMAGED. PREVIOUS OR NEW OVERSPRAY ON SURROUNDING PAVEMENT SHALL BE REMOVED. SEE ARCHITECTURAL SPECIFICATION SECTION 099000 FOR ADDITIONAL INFORMATION.
6. REFRESH ENTIRE PARKING LOT STRIPING AND MARKINGS. MATCH EXISTING EXCEPT WHERE MODIFIED IN THESE DRAWINGS OR PICKUP PLAN SET (SEPARATE PLAN SET). SEE PAVEMENT MARKING SPECIFICATIONS PROVIDED WITH THIS PLAN SET.
7. IF SIMILAR WORK SEEMS TO HAVE BEEN PERFORMED WITHIN THE LAST YEAR, CONTRACTOR SHALL NOT PLAN TO RE-STRIPE/REFRESH PAVEMENT MARKINGS. CONTRACTOR SHALL COORDINATE WITH THE PROJECTS CONSTRUCTION MANAGER FOR CONFIRMATION OF THIS SCOPE OF WORK.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

Galloway
Civil Engineering & Planning
Landscape Architecture & Surveying
11807 Northrup Plaza Blvd, Suite 200
Bellevue Village, CO 80111
720.214.8884
GallowayUS.com

ISSUED FOR:
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PUYALLUP, WA
310 31ST AVENUE SE
STORE NUMBER: 02403-254

JOB NUMBER: WMT0002403.00 | PROTO: 192

SUPERCENTER SSM SECP

ISSUE BLOCK

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PROTO CYCLE:	03/29/2024
DOCUMENT DATE:	05/10/2024

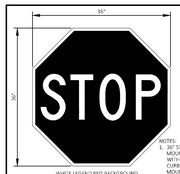
BRANDON ALLEY
STATE OF WASHINGTON
56600
REGISTERED
PROFESSIONAL ENGINEER
05/10/2024

PRCTI20241053

DEMOLTION AND SITE CONSTRUCTION PLAN

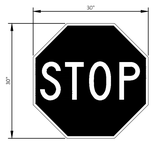
SHEET:
SECP-2

PRCTI20241053



NOTES:
1. 36" STOP SIGN SHALL BE MOUNTED ON A SINGLE POST WITH BOLLARD, WHICH WITH A CURBED ISLAND'S, SIGN CAN BE MOUNTED ON CURB FACE.
2. SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

36"X36" "STOP" SIGN
AT HIGHWAY/STREET INTERSECTIONS
N.T.S.



NOTE:
SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

30"X30" "STOP" SIGN
WITHIN PARKING LOT
N.T.S.



NOTE:
SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

"ALL WAY" PLAQUE
N.T.S.



NOTE:
SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

"CROSS TRAFFIC" PLAQUE
N.T.S.



NOTE:
SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

"LEFT/RIGHT TRAFFIC" PLAQUE
N.T.S.



NOTE:
SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

"ONCOMING TRAFFIC" PLAQUE
N.T.S.



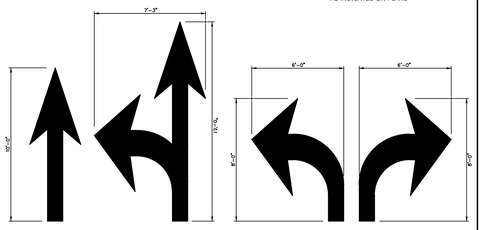
NOTE:
SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

"STOP HERE FOR PEDESTRIANS" SIGN
N.T.S.

NOTES:
1. WORDS AND ARROWS SHALL BE APPLIED IN ACCORDANCE WITH SECTION 3B.20 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. THESE WORDS ARE TO BE PAINTED "RETROREFLECTIVE WHITE WITH GLASS BEADS", PER SPECIFICATIONS, WHEN AT EXITS FROM PARKING LOT TO PUBLIC STREETS.



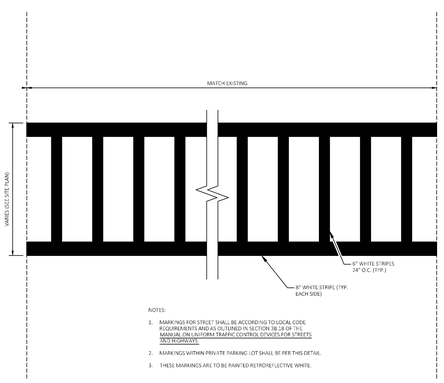
"ONLY" PAVEMENT MARKING
AS INDICATED ON PLANS



SOLID ARROW MARKINGS
AS INDICATED ON PLANS
PAINTED "RETROREFLECTIVE WHITE"

SOLID ARROW PAVEMENT MARKINGS

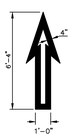
DTR/LTR/RN | 04/28/14 | N.T.S.



NOTES:
1. MARKINGS FOR STREET SHALL BE ACCORDING TO LOCAL CODE REQUIREMENTS AND AS OUTLINED IN SECTION 3B.18 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. MARKINGS WITHIN PRIVATE PARKING LOT SHALL BE PER THIS DETAIL.
3. THESE MARKINGS ARE TO BE PAINTED RETROREFLECTIVE WHITE.

CROSSWALK MARKING
W/ LONGITUDINAL STRIPES
(MODIFIED)
N.T.S.

02/15/19

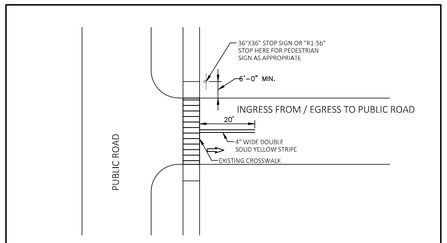


OPEN ARROW MARKINGS
AS INDICATED ON PLANS
PAINTED "WHITE"

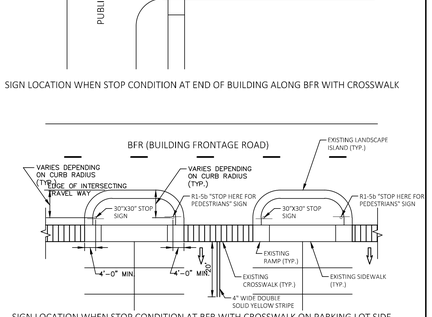
NOTES:
1. WORDS AND ARROWS SHALL BE APPLIED IN ACCORDANCE WITH SECTION 3B.20 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. THESE WORDS ARE TO BE PAINTED "WHITE" WHEN IN PARKING LOT.
3. OPEN ARROWS SHALL CONSIST OF A 4" PERIMETER STRIPE.

OPEN ARROW PAVEMENT MARKINGS
(MODIFIED)
N.T.S.

DTR/LTR/RN | 04/28/14



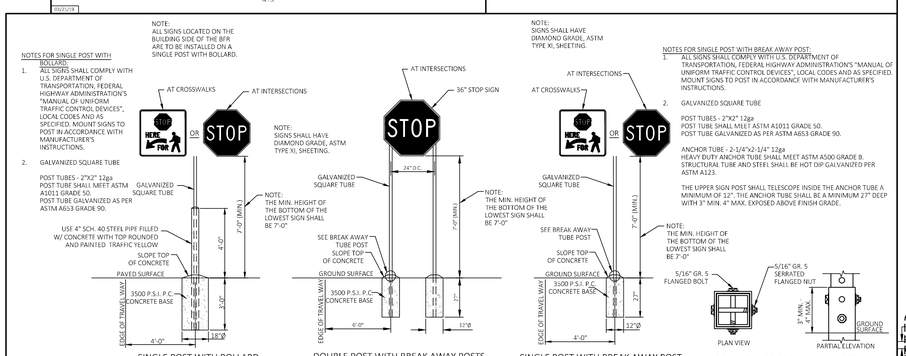
SIGN LOCATION WHEN STOP CONDITION AT END OF BUILDING ALONG BFR WITH CROSSWALK

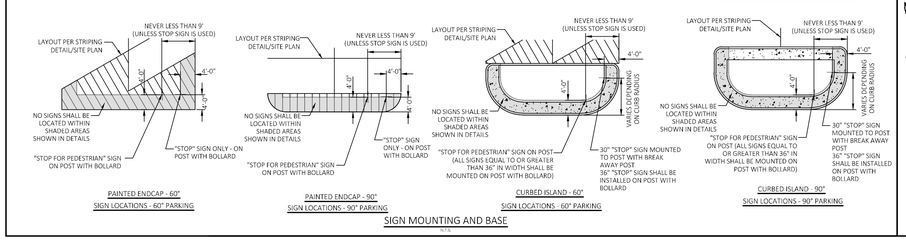


SIGN LOCATION WHEN STOP CONDITION AT BFR WITH CROSSWALK ON PARKING LOT SIDE

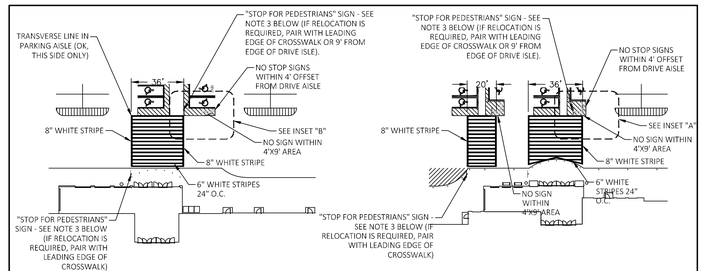
STOP SIGN LOCATION WHERE STOP BAR AND TEXT CONFILTS WITH CROSSWALK MARKINGS
N.T.S.

09/27/19

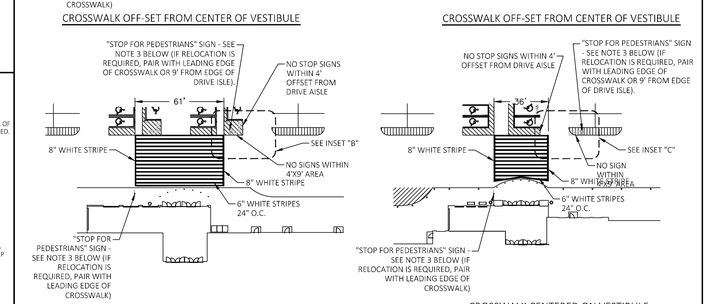




SIGN MOUNTING AND BASE
N.T.S.

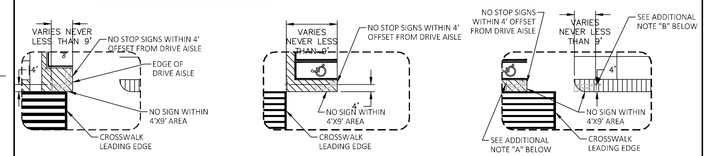


CROSSWALK OFF-SET FROM CENTER OF VESTIBULE



CROSSWALK OFF-SET FROM CENTER OF VESTIBULE

CROSSWALK CENTERED ON VESTIBULE



CROSSWALK CENTERED ON VESTIBULE

NOTES:
1. REFERENCE EACH VESTIBULE ON THE SITE PLAN FOR FINAL LAYOUT, DIMENSIONS AND SIGN LOCATION.
2. SEE INSETS "A", "B" AND "C" FOR SIGN LOCATION FOR EACH OF THE THREE OPTIONS.
3. ONLY RELOCATE SIGN POST IF OFFSET MORE THAN 9' FROM LEADING EDGE OF CROSSWALK (EITHER SIDE IN EITHER DIRECTION) ALONG FRONT DRIVE.

ADDITIONAL NOTES FOR INSET "C":
A. IF CROSSWALK LEADING EDGE IS LESS THAN HALF WAY ACROSS THE DRIVE AISLE, THE CROSSWALK SIGN WILL LAG THE LEADING EDGE.
B. IF CROSSWALK LEADING EDGE IS BEYOND HALF WAY ACROSS THE DRIVE AISLE, THE CROSSWALK SIGN WILL LEAD THE LEADING EDGE.

SIGN LOCATION AND VESTIBULE CROSSWALK STRIPING
(APPLICABLE TO STRIPED OR RAISED ISLANDS BASED ON SITE CONDITIONS)
(MODIFIED)

Gateway
City of Puyallup
Community & Economic Development
ISSUED FOR PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

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310 31ST AVENUE SE
STORE NUMBER: 02403-254
JOB NUMBER: WMT0024403.00 | PROTO - 192

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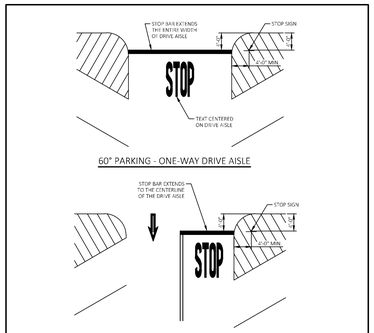
BRANDON ALBERT
STATE OF WASHINGTON
22660
REGISTERED PROFESSIONAL ENGINEER
05/10/2024

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STOP SIGNS AND PAVEMENT MARKINGS DETAILS

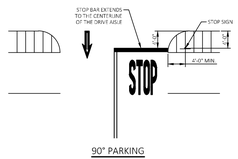
SHEET:
SHEET 1

PRCTI20241053

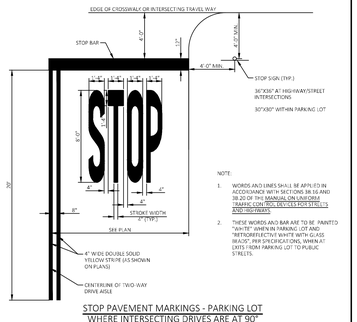


60° PARKING - ONE-WAY DRIVE AISLE

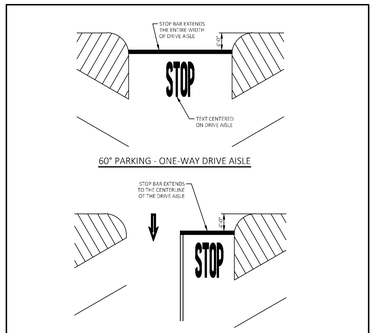
60° PARKING - TWO-WAY DRIVE AISLE



90° PARKING

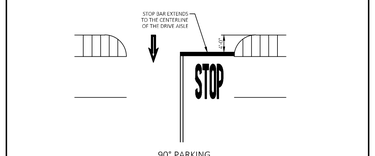


STOP PAVEMENT MARKINGS - PARKING LOT
WHERE INTERSECTING DRIVES ARE AT 90°
WITH STOP SIGN
(AS SHOWN ON PLANS)
N.T.S.

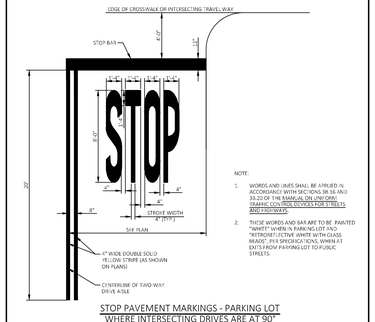


60° PARKING - ONE-WAY DRIVE AISLE

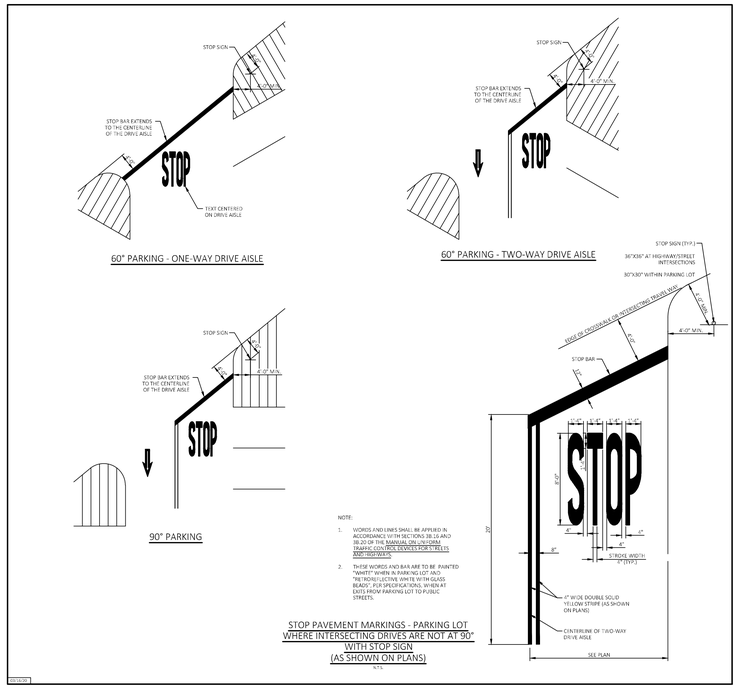
60° PARKING - TWO-WAY DRIVE AISLE



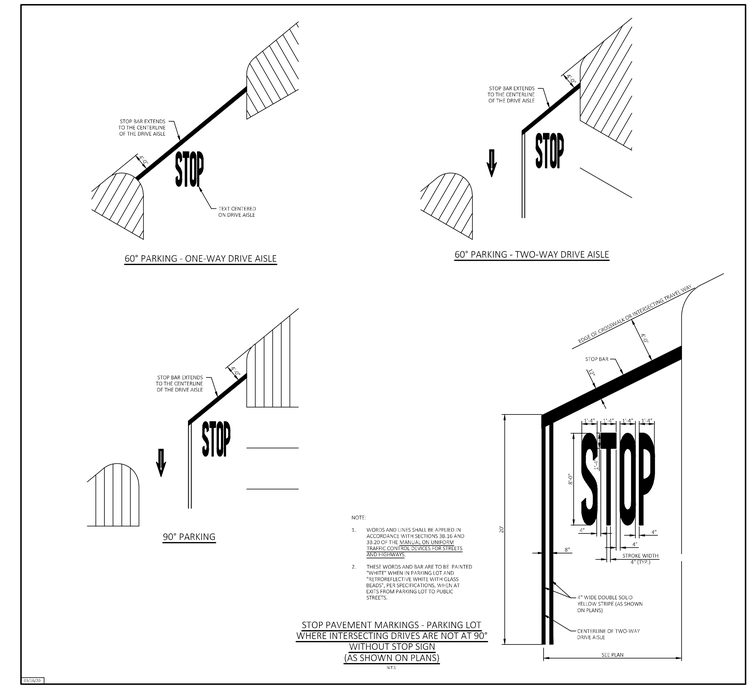
90° PARKING



STOP PAVEMENT MARKINGS - PARKING LOT
WHERE INTERSECTING DRIVES ARE AT 90°
WITHOUT STOP SIGN
(AS SHOWN ON PLANS)
N.T.S.



STOP PAVEMENT MARKINGS - PARKING LOT
WHERE INTERSECTING DRIVES ARE NOT AT 90°
WITH STOP SIGN
(AS SHOWN ON PLANS)
N.T.S.



STOP PAVEMENT MARKINGS - PARKING LOT
WHERE INTERSECTING DRIVES ARE NOT AT 90°
WITHOUT STOP SIGN
(AS SHOWN ON PLANS)
N.T.S.

Gateway
City of Puyallup
Permit & Plan Review Service
Building | Planning
Engineering | Public Works
Fire | Traffic
ISSUED PERMIT
Gateway Engineering Services, PLLC
3315 Richmond Plaza East, Suite 200
Jackson Hole Village, CO 83211
(307) 690.8884
GatewayUS.com

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PUYALLUP, WA
310 31ST AVENUE SE
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PROTO - 102
SUPERCENTER SSM SECP

ISSUE BLOCK

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DOCUMENT DATE:	05/10/2024

BRANDON ALLEY
STATE OF WASHINGTON
56686
REGISTERED
PROFESSIONAL ENGINEER
05/10/2024

PRCTI20241053

STOP SIGNS AND PAVEMENT MARKINGS DETAILS

SHEET:
SHEET 2

PRCTI20241053

SITE DEMOLITION SPECIFICATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Demolition of structures, paving, and utilities.
   2. Patching and filling voids created as a result of removals or demolition.

1.2 REGULATORY REQUIREMENTS

A. Compliance with all laws, including Safety Laws, Environmental Laws, Stormwater Laws and Worker Verification Laws as well as requirements found within the Contract Documents and these Specifications, that pertain to Safety Compliance, Environmental Compliance, Stormwater Compliance and Worker Verification Compliance. Obtain required permits and licenses from appropriate authorities. Pay associated fees including disposal charges.
B. Notify affected utility companies before starting work and comply with their requirements.
C. Do not close or obstruct public or private roadways, sidewalks, or fire hydrants without appropriate permits or written authorization.
D. If hazardous, contaminated materials or other environmental related conditions are discovered, stop work immediately and notify the Wal-Mart Construction Manager for action to be taken. Do not resume work until specifically authorized by the Construction Manager.

1.3 PROJECT CONDITIONS

A. Conditions existing at time of inspection for bidding purposes will be maintained by Owner as reasonably practical.
B. Unless otherwise indicated in Contract Documents or specified by the Owner, items of salvageable value to Contractor shall be removed from site and structures. Storage or sale of removed items on site will not be permitted and shall not interfere with other work specified.

PART 2 - PRODUCTS

2.1 FILL MATERIALS

A. Fill material shall be aggregate fill materials consisting of stone, gravel, or sand free from debris, trash, frozen materials, roots, and other organic matter.

2.2 CONCRETE

A. Mix concrete and deliver in accordance with ASTM C 94.
B. Design mix to produce normal weight concrete consisting of Portland cement, aggregate, water_reducing admixture, air_entraining admixture, and water to produce following:
   1. Compressive Strength: 3,500 psi, minimum at 28 days, unless otherwise indicated on the Drawings.
   2. Slump Range: 1 to 3-inches at time of placement
   3. Air Entrainment: 5 to 8 percent

PART 3 - EXECUTION

3.1 PREPARATION

A. Provide, erect, and maintain erosion control devices, temporary barriers, and security devices at locations indicated on Construction Drawings. Provide a comprehensive construction phasing plan for this work to the store manager 7 days prior to starting any work. It is to provide for dates, times and duration of lane closures, temporary vehicle and pedestrian traffic control.
B. Protect existing landscaping materials, appurtenances, and structures, which are not to be demolished. Repair damage to existing items to remain caused by demolition operations.
C. Prevent movement or settlement of adjacent structures. Provide bracing and shoring as necessary.
D. Mark location of utilities. Protect and maintain in safe and operable condition utilities that are to remain. Prevent interruption of existing utility service to occupied or used facilities, except when authorized in writing by authorities having jurisdiction. Provide temporary services during interruptions to existing utilities as acceptable to governing authorities and Owner.
E. For work on operating Walmart sites, prior to any underground excavation, contractor is expected to obtain current and representative underground utility plans from Walmart for private utilities that are not located by others. This is specifically intended to provide approximate locations for Walmart private utilities including water, sewer, electrical, telephone and data services.
F. Notify adjacent property owners of work that may affect their property, potential noise, utility outages, or other disruptions. Obtain written permission from adjacent property owners when demolition equipment will traverse, infringe upon, or limit access to their property. Coordinate notice with Owner.

3.2 GENERAL DEMOLITION REQUIREMENTS

A. Conduct demolition to minimize interference with adjacent structures or pavements to remain.
B. Cease operations immediately if adjacent structures appear to be in danger. Notify authority having jurisdiction. Do not resume operations until directed by authority.
C. Conduct operations with minimum of interference to public or private access. Maintain ingress and egress at all times other than in specific areas where work is in progress.
D. Sprinkle work with water to minimize dust. Provide hoses and water connections for this purpose.
E. Comply with governing regulations pertaining to environmental protection.
F. Clean adjacent structures and improvements of dust, dirt, and debris caused by demolition operations. Return adjacent areas to condition existing prior to start of work.

3.3 DEMOLITION

A. Demolish site improvements designated to be removed as shown on the drawings. Site improvements shall include but not be limited to structures, foundations, pavements, curbs and gutters, drainage structures, utilities, signage or landscaping.
B. Disconnect and cap or remove utilities to be abandoned as shown on the drawings.
C. Fill or remove piping and appurtenances as shown.
D. Demolish concrete and masonry in small sections. Break up concrete slabs_on_grade that are 2-feet or more below proposed subgrade to permit moisture drainage. Remove slabs-on-grade and below grade construction within 2-feet of proposed subgrade.

3.4 PATCHING

A. Where improvements are removed from paved areas, pavements shall be sawcut in straight lines at the perimeter and patched. Damaged pavement adjacent to removed improvements shall also be removed and patched.
B. Pavement patches shall be paved with minimum 6" concrete, broom finished and flush with adjacent grades.

3.5 FILLING VOIDS

A. Completely fill below grade areas and voids resulting from demolition or removal of structures, etc., using aggregate fill materials consisting of stone, gravel, or sand free from debris, trash, frozen materials, roots, and other organic matter.
B. Areas to be filled shall be free of standing water, frost, frozen or unsuitable material, trash, and debris prior to fill placement.
C. Place fill materials in lifts not to exceed 6 inches loose measure and compacted to 95 percent of maximum laboratory density per ASTM D698 with moisture content of not less than 1 percent below and not more than 3 percent above optimum moisture content.
D. Grade surface to match adjacent grades and to provide flow of surface drainage after fill placement and compaction.

3.6 DISPOSAL OF DEMOLISHED MATERIALS

A. Remove from site debris, rubbish, and other materials resulting from demolition operations. Leave areas of work in clean condition.
B. No burning of any material, debris, or trash on_site or off_site will be allowed.
C. Transport materials removed from demolished structures with appropriate vehicles and dispose off-site to areas that are approved for disposal by governing authorities and appropriate property owners.

END OF SECTION

PAVEMENT MARKINGS SPECIFICATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Painting and marking of pavements, curbs, and guard posts (bollards)..

1.2 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.
B. American Association of State Highway and Transportation (AASHTO):
   1. AASHTO M247 - Glass Beads Used in Traffic Paints
   2. AASHTO M248 - Ready-Mixed White and Yellow Traffic Paints
C. Master Painter's Institute (MPI):
   1. MPI 32 - Traffic Marking Paint, Solvent Based.
   2. MPI 97 - Traffic Marking Paint, Latex.
D. ASTM International (ASTM):
   1. ASTM D4414 - Standard Practice for Measurement of Wet Film Thickness by Notched Gauges.
E. Federal Specifications (FS):
   1. FS A-A-2886 - Paint, Traffic, Solvent Based (supersedes FS TT-P-85 and FS TT-P-115, Type I)
   2. FS TT-B-1325 - Beads (Glass Spheres) Retro-Reflective
   3. FS TT-P-1952 - Paint, Traffic And Airfield Marking, Waterborne

1.3 PROJECT CONDITIONS

A. Maintain access for vehicular and pedestrian traffic as required for other construction activities. Utilize flagmen, barricades, warning signs, and warning lights as required.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Paint shall be waterborne or solvent borne, colors as shown or specified herein. Pavement marking paints shall comply with applicable state and local laws enacted to ensure compliance with Federal Clean Air Standards. Paint materials shall conform to the restrictions of the local Air Pollution Control District.
B. Waterborne Paint: Paints shall conform to FS TT-P-1952 and have MPI 97 approval.
C. Solvent Borne Paint: Paint shall conform to FS A-A-2886 or AASHTO M248 and have MPI 32 approval. Paint shall be non_bleeding, quick_drying, and alkyd petroleum base paint suitable for traffic_bearing surface and be mixed in accordance with manufacturer's instructions before application for colors White, Yellow, Blue, and Red.
D. Glass Beads: AASHTO M 247, Type 1 or FS TT-B-1325, Type 1, Gradation A.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine the work area and correct conditions detrimental to timely and proper completion of the work. Do not proceed until unsatisfactory conditions are corrected.

3.2 PREPARATION

A. Sweep and clean surface to eliminate loose material and dust.
B. Where existing pavement markings are indicated on Construction Drawings to be removed or would interfere with adhesion of new paint, a motorized abrasive device or soda blasting shall be used to remove the markings. Equipment employed shall not damage existing paving or create surfaces hazardous to vehicle or pedestrian traffic.

3.3 CLEANING EXISTING PAVEMENT MARKINGS

A. Remove existing pavement markings which are in good condition but interfere or conflict with the newly applied marking patterns and as noted on plans. Deteriorated or obscured markings that are not misleading or confusing or do not interfere with the adhesion of the new marking material do not require removal. Conduct grinding, soda blasting or other operations in such a manner that the finished pavement surface is not damaged or left in a pattern that is misleading or confusing. Use dust collection system when removing existing pavement markings. Comply with the requirements of Section 01351 Regulatory Compliance Supplement for management and disposal of hazardous wastes.

3.4 APPLICATION

A. Apply two coats of same color of paint as specified below, at manufacturer's recommended rate, without addition of thinner, with maximum of 100 square feet per gallon or as required to provide a minimum wet film thickness of 15 mils and dry film thickness of 7 ½ mils per coat. Paint shall be applied for a total dry film thickness of 15 mils. Apply with mechanical equipment to produce uniform straight edges. At sidewalk curbs and crosswalks, use straightedge to ensure uniform, clean, and straight stripe.
B. Install pavement markings according to manufacturer's recommended procedures for the specified material.
C. Following items shall be painted with colors noted below:
   1. Pedestrian Crosswalks: White
   2. Exterior Sidewalk Curbs and Guard posts: Yellow
   3. Exterior Light Pole Bases: Yellow (unless otherwise noted on Construction Detail).
   4. Fire Lanes: Red or per local code.
   5. Lane Striping where separating traffic moving in opposite directions: Yellow.
   6. Lane Striping where separating traffic moving in the same direction: White.
   7. ADA Symbols: Blue or per local code.
   8. ADA parking space markings as shown on the drawings.
   9. Parking Stall Striping: Yellow, unless otherwise noted on Construction Drawings.
   10. Associate Parking Area: White, unless otherwise noted on Construction Drawings.
D. Apply glass beads at pedestrian crosswalk striping and at lane striping and arrows at driveways connecting to public streets. Broadcast glass beads uniformly into wet markings at a rate of 6 lb/gal.

3.5 FIELD QUALITY CONTROL

A. Field quality control shall be the responsibility of the Contractor. Field quality control testing and inspection shall be at the discretion of the Contractor as necessary to assure compliance with Contract requirements.

3.6 CLEANING

A. Waste materials shall be removed at the end of each workday. Upon completion of the work, all containers and debris shall be removed from the site. Paint spots upon adjacent surfaces shall be carefully removed by approved procedures that will not damage the surfaces and the entire job left clean and acceptable.

END OF SECTION

TRAFFIC SIGNS AND SIGNALS SPECIFICATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Traffic control signs.
B. Related Requirements:
   1. Section 09900 - Painting. Painting for painted posts where shown on the Drawings.

1.2 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.
B. ASTM International (ASTM):
   1. ASTM A53 - Pipe, Steel, Black and Hot_Dipped, Zinc_Coated Welded and Seamless.
   2. ASTM C94 - Ready Mix Concrete
   3. ASTM D4956 - Retroreflective Sheeting for Traffic Control.
C. US Department of Transportation, Federal Highway Administration:
   1. Manual on Uniform Traffic Control Devices (MUTCD).

PART 2 - PRODUCTS

2.1 SIGNS

A. Conform to US Department of Transportation MUTCD, Sign classification, type, size, and color shall be as shown on the drawings
B. Retroreflectivity: Microprismatic type, diamond grade reflective sheeting conforming to ASTM D 4956, Type XI.

2.2 POSTS

A. Square Post: Square tubular steel sign post, galvanized, 12 ga, perforated full-length with 7/16 inch holes on four sides. Post size shall be as shown on the Drawings.
B. Steel Pipe: ASTM A 53, Type E (electric-resistance welded) or Type S (seamless), Grade B, Schedule 40, size as shown on the Drawings.

2.3 CONCRETE

A. Mix concrete and deliver in accordance with ASTM C 94.
B. Design mix to produce normal weight concrete consisting of Portland cement, aggregate, water_reducing admixture, air_entraining admixture, and water to produce following:
   1. Compressive Strength: 3,500 psi, minimum at 28 days, unless otherwise indicated on the Drawings.
   2. Slump Range: 1 to 3-inches at time of placement
   3. Air Entrainment: 5 to 8 percent

PART 3 - EXECUTION

3.1 PREPARATION

A. Field verify underground utilities prior to sign installation. Primary utilities of concern of shallow depths are lawn sprinkler systems, electric, telephone, fiber optic, cable and gas.

3.2 INSTALLATION

A. Install signs as shown on the Drawings and in accordance with MUTCD and manufacturer's instructions.
B. Install signs of the type and at locations shown on the Drawings.
C. Install posts of the type as shown on the drawing.
D. Where shown as painted, field paint steel pipe posts in accordance with Section 09900.

END OF SECTION

SEAL COAT SHALL BE APPLIED WHERE EXISTING MARKINGS ARE REMOVED.

SMALL PROJECT SEAL COAT SPECIFICATION:

IN GENERAL:

· CRACK FILLING AND OIL SPOT TREATMENTS ARE NOT REQUIRED PRIOR TO SEAL COAT. OTHER THAN THESE EXCEPTIONS, PREPARE AND CLEAN AREA TO BE SEAL COATED CONSISTENT WITH MANUFACTURER'S INSTRUCTIONS AND SPECIFICATION.

APPROVED MATERIALS:

1) STAR PRODUCTS
   · MICRO-PAVE PRO-BLEND WITH ADDED SAND
   · SINGLE COAT

2) SEAL MASTER
   · POLYMER MODIFIED MASTERSEAL WITH ADDED SAND
   · SINGLE COAT

3) GEM SEAL BLACK DIAMOND XL
   · WITH ADDED SAND
   · SINGLE COAT

MATERIALS IDENTIFIED IN SPECIFICATION SECTION 02787 CAN BE USED. COAL TAR BASED SEAL COAT MATERIALS IN ANY FORM ARE PROHIBITED.

Galloway
City of Puyallup
Received
ISSUED Planning
Building
Planning
Engineering
Public Works
Fire
Traffic
6300 Richmond Plaza Blvd, Suite 200
Highlands Ranch/Lone Tree/Littleton Village, CO 80111
303.770.8884
GallowayUS.com

STIPULATION FOR REUSE

THE DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT PUYALLUP, WA. IT IS NOT SUITABLE FOR USE ON ANOTHER SITE OR IN A LATER TIME. CONTACT THE ARCHITECT FOR REFERENCE OR EXAMPLE ON ADAPTATIONS OF THE DRAWINGS FOR USE ON ANOTHER SITE. ALL REUSE OR ALTERATION OF PROPERTY LOCKED ARCHITECTS AND ENGINEERS, INC. DRAWINGS FOR REUSE ON ANOTHER PROJECT OR EXTENSION TO THIS PROJECT ARE AT RECIPIENT'S SOLE RISK AND MAY BE CONTRARY TO THE LAW.

Walmart
PUYALLUP, WA
310 31ST AVENUE SE
STORE NUMBER: 02403-254
PROTO: 192
JOB NUMBER: WAT002403.00
SUPERCENTER SSM SECP

ISSUE BLOCK

CHECKED BY:	BDA
DRAWN BY:	NJG
PROTO CYCLE:	03/29/2024
DOCUMENT DATE:	05/10/2024

BRANDON ALLEN
STATE OF WASHINGTON
22686
REGISTERED
PROFESSIONAL ENGINEER
05/10/2024

PRCTI20241053

SPECIFICATIONS SHEET

SHEET:
CSS-1

SEAL COAT SPECIFICATION
PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Seal coats using a polymer-modified asphalt emulsion blended with fine aggregate.
B. Related Requirements:
   1. Site Demolition Specification
   2. Pavement Markings Specification
   3. Traffic Signs and Signals Specification

1.2 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.
B. ASTM International (ASTM)

   1. ASTM C 136 - Method of Sieve Analysis of Fine and Coarse Aggregate
   2. ASTM D 217 - Method for Cone Penetration of Lubricating Grease
   3. ASTM D 244 - Test Methods for Emulsified Asphalts
   4. ASTM D 562 - Method for Consistency of Paints Measuring Krebs Unit (KU) Viscosity Using a Stormer-Type Viscometer
   5. ASTM D 977 - Emulsified Asphalt
   6. ASTM D 2397 - Cationic Emulsified Asphalt
   7. ASTM D 2042 - Method for solubility of Asphalt Materials in Trichloroethylene
   8. ASTM D 3910 - Practice for Design, Testing, and Construction of Slurry Seal
   9. ASTM D 6690 - Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements

1.3 ADMINISTRATIVE REQUIREMENTS

A. Pre_installation Meeting: Convene a pre_installation meeting at the site at least two weeks prior to commencing work of this Section. Require attendance of parties directly affecting work of this Section, including, but not limited to, the store manager, Contractor, and job foreman.
   1. Contact Wal_Mart Construction Manager three weeks prior to pre_installation conference to confirm schedule.
   2. Record discussions of meeting and decisions, agreements reached, and furnish copy of record to each party attending. Review foreseeable methods and procedures related to paving work, including the following:
      a. Review preparation and installation procedures and coordinating and scheduling required with related work (including all required striping).
      b. Review proposed sources of materials.
      c. Tour, inspect, and discuss condition of existing pavement and other preparatory work such as patching and crack sealing. If crack sealing is needed (reference section 2.4.C below) or other areas of pavement distress are noted during tour, submit appropriate RFI to project team for review.
      d. Review requirements for protecting paving work, including restriction and redirection of traffic during installation and curing period.
      e. Review and finalize construction schedule and verify availability of materials, installer's personnel, equipment, traffic control devices, and facilities needed to make progress and avoid delays.
      f. Review paving requirements (drawings, specifications, and other contract documents).
      g. Review weather and forecasted weather conditions, and procedures for coping with unfavorable conditions.
   h. Review health and safety precautions relating to handling and placement of seal coat.

1.4 QUALITY ASSURANCE

A. Contractor Qualifications: The seal coat applicator shall have not less than 3 years documented experience in the application of emulsion seal coats.

1.5 SITE CONDITIONS

A. Weather Limitations: Apply seal coat only under the following weather conditions:
1. The atmospheric temperature is between 50 and 90 F and is expected to remain above 50 F for 24 hours.
2. Pavement temperature is above 55 F.
3. Surface is dry and no moisture is expected within 24 hours.
4. Weather and wind conditions are such that overspray is preventable and will allow proper curing and opening to traffic within a reasonable time.
B. Maintain access for vehicular and pedestrian traffic as required by the Wal-Mart Store and Construction Manager. Utilize temporary striping, flagmen, barricades, warning signs, and warning lights as required.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Aggregate: Aggregate shall be 100 percent passing the No. 16 (1.18 mm) sieve when tested in accordance with ASTM C 136. Aggregate shall consist of hard, washed, dry natural or manufactured particles free of dust, trash, clay, organic materials or other contaminants.
B. Asphalt Emulsion: Comply with ASTM D977 or ASTM D2397 for SS-1h or CSS-1h. The penetration of the residue from the distillation test shall be 20 to 60. Clay stabilized emulsion, with a ph not greater than 7.0, and solids content not less than 45 percent may be used. The polymer material shall be milled or blended into the asphalt or emulsifier solution prior to the emulsification process. The minimum amount and type of polymer modifier shall be determined by the laboratory performing the mix design.
C. Coal Tar: Coal tar emulsion or coal tar/asphalt emulsion shall not be used as a substitute for asphalt emulsion.
D. Water: Water shall be potable and free of harmful soluble salts or reactive chemicals and any other contaminants and at least 50 F.
E. Additives: Additives shall be included and approved as part of the mix design and be compatible with the other components of the mix.
F. Crack Sealant: Crack sealant shall conform to ASTM D6690, Type II or higher and compatible with the specified seal coat emulsion.

2.2 COMPOSITION

A. Composition. Seal coat shall consist of a mixture of the specified emulsion, water, aggregate, and additives and be proportioned to meet the requirements shown in the following Table 1.

TABLE 1 - Undiluted Seal Coat Design Properties

Method	Minimum	Maximum
Weight (per gallon), ASTM D 244, lbs	9.0	
Cone Penetration, ASTM D 217, mm	340	700
% Non-Volatile[1]	50	
% Non-Volatile Residue Soluble in Trichloroethylene, ASTM D 2042	10	35
Wet Track Abrasion Loss, ASTM D 3910, g		35
Viscosity, ASTM D 562, KU	75	
Dried Film Color	Black	

[1]Weigh 10 g of homogeneous product into a previously tared, small ointment can. Place in an oven at 325°F for 90 minutes. Cool, reweigh and calculate non-volatile residue as a percent of the original mass.

2.3 EQUIPMENT

A. Distributors. Distributors or spray units used for the spray application of the seal coat shall be self-propelled and capable of uniformly applying 0.10 to 0.30 gallons per square yard of material over the required width of application. Distributors shall be equipped with tachometers, pressure gauges, and volume measuring devices. The mix tank shall have a mechanically powered, full sweep, mixer with sufficient power to move and homogeneously mix the entire contents of the tank.
B. Spray Nozzles. Nozzles shall be free from clogs and debris and set at the same angle.
C. Mixing Equipment. The mixing machine shall have a continuous flow mixing unit capable of accurately delivering a predetermined proportion of aggregate, water, and emulsion, and of discharging the thoroughly mixed product on a continuous basis. The mixing unit shall be capable of thoroughly blending all ingredients together and discharging the material without segregation.
D. Spreading Equipment. Spreading equipment shall be a mechanical type squeegee/brush distributor attached to the mixing machine, equipped with flexible material in contact with the surface to prevent loss of slurry from the spreader box. It shall be maintained to prevent loss of slurry on varying grades and adjusted to assure uniform spread. There shall be a lateral control device and a flexible strike off capable of being adjusted to lay the slurry at the specified rate of application. The spreader box shall have an adjustable width. The box shall be kept clean. Emulsion and aggregate build up on the box shall not be permitted.
E. Clean equipment with a petroleum solvent if previously used with a different material.
F. Hand Squeegee or Brush Application. Hand spreading application shall be used only in places not accessible to the mechanized equipment or to accommodate neat trim work at curbs, etc. Material that is applied by hand shall meet the same standards as that applied by machine.
G. Calibration. Spreading equipment shall be provided with a method of calibration by the manufacturer. Equipment shall be calibrated to assure that it will produce and apply a mix that conforms to the job mix formula. Calibrations shall be made with the approved job materials prior to application of the seal coat.

2.4 PREPARATION

A. Remove all existing striping in areas subject to seal coating as noted in plans. Reference applicable specification section in Site Demolition.
B. Remediate distressed areas of existing pavement by saw-cutting and removing existing pavement, regrading and compacting the underlying base course and replacing with full depth asphalt at locations and as shown on the drawings.
   1. Repairs not specifically shown on the plans but considered necessary by the contractor, store manager or construction manager (CM) shall be identified and submitted as an RFI to the project team prior to commencement of repairs.
   2. Repairs submitted by RFI and approved shall be performed as directed by the CEC. Cost for such work directed and performed will be paid for in accordance with the "Changes in the Work" Clause of the General Conditions.
C. Longitudinal and traverse cracks in excess of 0.25 inch, but less than 1 inch shall be sealed with a crack sealant. Cracks that contain weed or other live vegetable matter shall be treated with a locally approved, non-oil based sterilant prior to applying the crack filler.
D. Existing crack sealants in the parking lot shall be evaluated for compatibility with the specified emulsion. If not compatible with each other they can't be used together. Immediately prior to applying the seal coat, the surface shall be cleared of all loose material, dirt, dust, grease, oil, vegetation and other objectionable material. If water is used, cracks shall be allowed to dry thoroughly before applying the seal coat.
E. Protect existing manholes, inlets, vaults, valve boxes, meter boxes, etc. as necessary to maintain free accessibility upon completion of seal coat application. Surfaces adjacent to seal coat application areas such as sidewalks, curb and/or gutter, storefronts, etc. shall be protected by use of felt paper anchored with clean aggregate, or by shielding components with plywood during application.
F. Coordinate limits of seal coat application operations with Owner's Construction Manager and Store Manager to avoid interruption to store operations. Protect adjacent areas of the parking lot outside of current seal coat application limits to avoid tracking onto adjacent areas. Partition off limits of current seal coat operations until surface is traffic ready.
G. Coordinate with Store Manager to deactivate lawn sprinkler systems least 48 hours prior to placing the seal coat and remain off for at least 24 hours after the seal coat application.

2.5 APPLICATION

A. Apply seal coat at a total rate (undiluted) of 0.17gal./SY.
B. Dampen pavement with a fog spray of water if ambient temperatures exceed 80°F. No standing water shall remain on the surface.
C. Apply the coat uniformly in a manner such that the combined application of the coat equals the total rate specified above.
D. Suspend application when the distribution tank has less than 100 gallons left and refill to prevent irregular patterns or misses.
E. The coat shall be allowed to dry and cure initially a minimum of 2-4 hours before applying any markings. The initial drying shall allow evaporation of water of the applied mixture, resulting in the coating being able to sustain light foot traffic. The initial curing shall enable the mixture to withstand vehicle traffic without damage to the seal coat.
F. The finished surface shall present a uniform texture with no streaks.
G. The single coat shall be allowed to dry a minimum of eight hours in dry daylight conditions before opening to traffic, and initially cure enough to support vehicular traffic without damage to the seal coat.
H. Where marginal weather conditions exist during the eight hour drying time, additional drying time shall be allowed. The length of time shall be as specified by the supplier. The surface shall be checked after the additional drying time for trafficability before opening the section to vehicle traffic.

END OF SECTION

PRCTI20241053

Galloway
City of Puyallup, WA
Issued & Permitted Service
Building | Planning
Engineering | Public Works
Fire | Traffic

STIPULATION FOR REUSE
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Walmart
PUYALLUP, WA
310 31ST AVENUE SE
STORE NUMBER: 02403-254
JOB NUMBER: WAT002403.00 PROTO: 192
SUPERCENTER SSM SECP

ISSUE BLOCK

CHECKED BY:	BDA
DRAWN BY:	NJC
PROTO CYCLE:	03/29/2024
DOCUMENT DATE:	05/10/2024

BRANDON ALLEN
STATE OF WASHINGTON
26686
REGISTERED PROFESSIONAL ENGINEER
05/10/2024

PRCTI20241053

SPECIFICATIONS SHEET

SHEET:
CSS-2

QUANTITY OF OWNER SUPPLIED ITEMS SHALL BE DETERMINED THROUGH A THOROUGH REVIEW AND ACCOUNTING OF CONTRACT DRAWINGS.

OWNER SUPPLIED ITEMS

WDS #	FAMILY	TYPE	MODEL
ACUITY BRANDS LIGHTING INC			
EL0016	26_Lighting_Exit_Wall_Acuity_LQM	Type16	RED: LQM S W 1 R 120/277 EL N SD90 M6 GREEN: LQM S W 1 G 120/277 EL N SD90 M6
EL068R	26_Lighting_Recessed_Downlight_Acuity_LBR6	Type68R	LBR6 07LM 40K AR LSS MWD MVOLT UGZ
EL0001	26_Lighting_Surface_Strip_Acuity_CLX	Type1	CLX L96 10000LM HEF RDL MVOLT GZ10 40K 80CRI PLR1G WH
AES INDUSTRIES INC			
	23_Refrigeration_ROOF_CURB_CAPPED_AES	RCU_CURB_AES	N/A
CUSTOM DELIS EQUIPMENT CO INC			
RH0122.000	REFR - RH0122	RH0122.000.052040048	DILW-SS
RH0135.000	REFR - RH0135	RH0135.000.054037093	ILW-CB-SS
DH PACE CO INC			
N/A	DOOR - Panel	F - Full Flush_Single	VARIES
DURASERV CORP			
N/A	DOOR - Panel_HDPE	F - Full Flush_Single	VARIES
DYNAMIC CLOSURES CORPORATION			
	DOOR - Side Folding Wall Hosted	X - Single	
GE LIGHTING SOLUTIONS LLC			
EL0039	26_Lighting_Surface_Strip_GE_LUS	Type39	LUSC8A0A0V1T40VQCSWHTE
HAINES JONES & CADBURY LLC HJC			
	22_Clean_Out_Floor	FCO1	Z1400 852 C1100 4231 55000 CO-200-RX-4 74000
	22_Fixture_Floor_Drain_Round_Grocery	FD3	860 FD-370
	22_Fixture_Floor_Drain_Square	FD4SS	3000-S-SS ZS415-3NH-6S-P
PH3000	PHARMACY - Equipment Arm - Track Mounted	EQUIPMENT ARM	UNKNOWN
PH3004	PHARMACY - Wall Mounted Equipment Track - Monitor	PC Monitor	UNKNOWN
N/A	RR - Coat Hook Double	COAT HOOK	VARIES
N/A	RR - Compartments Partition Door	PartitionDoor_23" - 4"_Pilaster	VARIES
N/A	RR - Compartments Partition Door	PartitionDoor_24" - 1 1/2"_Pilaster	VARIES
N/A	RR - Compartments Partition Door	PartitionDoor_24" - 2"_Pilaster	VARIES
N/A	RR - Compartments Partition Door	PartitionDoor_24" - 3 1/2"_Pilaster	VARIES
N/A	RR - Compartments Partition Door	PartitionDoor_24" - 4 1/2"_Pilaster	VARIES
N/A	RR - Compartments Partition Door	PartitionDoor_24" - 7"_Pilaster	VARIES
N/A	RR - Compartments Partition Door	PartitionDoor_24" - 8"_Pilaster	VARIES
N/A	RR - Compartments Partition Door	PartitionDoor_36" - 3"_Pilaster	VARIES
N/A	RR - Compartments Partition Door	PartitionDoor_36" - 4"_Pilaster	VARIES
N/A	RR - Compartments Partition Door	PartitionDoor_36" - 6"_Pilaster	VARIES
N/A	RR - Compartments Partitions	Floating - No Headrail	VARIES
N/A	RR - Compartments Partitions	Floating - No Headrail 10.13	VARIES
N/A	RR - Diaper Changing Table	10_Specialties_Diaper_Changing_Table	VARIES
N/A	RR - Grab Bar	18"	VARIES
N/A	RR - Grab Bar	36"	VARIES
N/A	RR - Grab Bar	42"	VARIES
	RR - Hand Dryer Excel Recessed	Hand Dryer with Splash Guard	
RR2019	RR - Lavatory	L25_2_Station	SMQ0046-2S RSM-UM7200-60"-00-SB
	RR - Lavatory Wall Mount	L39	0321.075
N/A	RR - Mirror Dressing	RR - Mirror Dressing	M2513
N/A	RR - Mirror Lighted	RR - Mirror Lighted	MS-5100-S HALO
	RR - Paper Towel Dispenser_StoneandSteel	RR - Paper Towel Dispenser_StoneandSteel	S2D-PT-2020-SM
N/A	RR - Sanitary Napkin Disposal	SANITARY NAPKIN DISPOSAL	VARIES
N/A	RR - Toilet Paper Holder	RR - Toilet Paper Holder	VARIES
N/A	RR - Toilet Seat Cover Dispenser	10_Toilet_Accessories_Toilet_Seat_Cover_Dispenser	VARIES
	RR - Trash Receptacle Surface Mounted	Surface Mounted	VARIES
	RR - Trash Receptacle_Simplehuman	RR - Trash Receptacle_Simplehuman	CW1471
HEATCRAFT REFRIGERATION PRODUCTS LL			
RS3007.042	REFR - RS3007	RS3007.042.080044096	DX6LD
RS3007.042	REFR - RS3007	RS3007.042.080044144	DX6LD
RS4038.352	REFR - RS4038	RS4038.352.080043096	MX5XG
RS4038.352	REFR - RS4038	RS4038.352.080043144	MX5XG
HILL PHOENIX INC			
RD2020.642	REFR - RD2020	RD2020.642.051045144	BMD-R
RS1069.652	REFR - RS1069	RS1069.652.064034144	QC-R-35
HONEYWELL INTERNATIONAL INC			
	23_Refrigeration_EMS_Evap_Controller_Enclosure_KE2	KE2 Evap (20178/20844)	20178/20844
HUSSMANN CORPORATION			
RE0307	23_Refrigeration_Evaporator_Coil_Krack_GH_D_Hussmann	GH46D-270	GH46D-270
LOEB ELECTRIC CO			
EL0004	26_Lighting_Garden_Center_I2_Gen2	Type4	NX1 11W 40K 00 S FX1 S
EL0085	26_Lighting_Pendant_Loeb_HQ	Type85	HQ00006-WH-14-MED5-643WH-G1
EL0024	26_Lighting_Recessed_Downlight_Loeb_LBR6	Type24	LBR6 10LM 35K WR MWD MVOLT 90CRI UGZ
EL0087	26_Lighting_Recessed_Loeb_3LH	Type87	3LH-N1NZM3-15LM-30K-MVOLT-SPW-ZT-WH-HBTL-MEZ136454
EL0092	26_Lighting_Suspended_Linear_Loeb_S1LD	Type92	S1LD-LLP-8FT-MSLX-90CRI-30K-700LMF-MIN1-MVOLT-WHT-ZT-F1/72A-RDCY -WCRD
EL0007	26_Lighting_Volumetric_Troffer_Loeb_BLT	Type7	BLT4 40L ADSM GZ1 LP840
EL0009	26_Lighting_Volumetric_Troffer_Loeb_BLT	Type9	2BLT2 40L ADSM GZ1 LP840
EL0010	26_Lighting_Volumetric_Troffer_Loeb_BLT	Type10	2BLT4 40L ADSM GZ1 LP840
MADIX			
PH7008	PHARMACY - Fill Pod V2	24"x24"	24"X24"
PH7004	PHARMACY - Rack - Wall Unit V2	32"	UNKNOWN
PH7004	PHARMACY - Rack - Wall Unit V2	48"	UNKNOWN
PH7000	PHARMACY - Rack V2	32"	UNKNOWN
POSITIVE LOCK INC			
	DOOR - Hardware Positive Lock	DOOR - Hardware Positive Lock	

OWNER SUPPLIED ITEMS

WDS #	FAMILY	TYPE	MODEL
QUALSERV SOLUTIONS LLC			
N/A	22_Fixture_Sink_VC_1-Comp_SS	S1	SL-1515-B-GR
EL0094	26_Lighting_Surface_Under_Cabinet_Louisville_RT5_HO	Type94	RT5HO-LED58-30FR-2-000
	PHARMACY - RX2.0 - Counter Top	PHARMACY - RX2.0 - Counter Top	
PH7012	PHARMACY - RX2.0 - Side Counter Storage Assembly - NO Drive-Thru V3	CHECKOUT STORAGE ASSEMBLY	SIDE COUNTER ASSEMBLY NO DRIVE THRU
PH7023	PHARMACY - RX2.0 - Upper Cabinet - 2 Door V2	DRIVETHRU - UPPER CABINET	
PH7024	PHARMACY - RX2.0 - Upper Cabinet - 2 Door V2	SINK - UPPER CABINET	
	PHARMACY - SS Sink 1 COMP	S2	D-12521 K-3348
VC2001	VISION CENTER 2.0 - AW1-36 - Accessory Fixture - 36in Wide	VISION CENTER 2.0 - AW1-36 - Accessory Fixture - 36in Wide	AW1-36
N/A	VISION CENTER 2.0 - Base Cabinet - 2 Door	ADJUSTMENTS	---
VC2006	VISION CENTER 2.0 - BRS-1 - Backroom Sink	VISION CENTER 2.0 - BRS-1 - Backroom Sink	BRS-1
VC2007	VISION CENTER 2.0 - BW-3 - Backwrap	VISION CENTER 2.0 - BW-3 - Backwrap	UNKNOWN
VC2061	VISION CENTER 2.0 - Ceiling Feature - Direct Mounted	10'-4" X 24'-4"	10'-4" X 24'-4"
	VISION CENTER 2.0 - Countertop - Straight	VISION CENTER 2.0 - Countertop - Straight	
N/A	VISION CENTER 2.0 - Countertop Support Bracket	VISION CENTER 2.0 - Countertop Support Bracket	UNKNOWN
VC2017	VISION CENTER 2.0 - CW-1 - Cashwrap V2	VISION CENTER 2.0 - CW-1 - Cashwrap V2	CW-1
VC2024	VISION CENTER 2.0 - Focal Wall Full Height Mirror	VISION CENTER 2.0 - Focal Wall Full Height Mirror	---
VC2025	VISION CENTER 2.0 - FSP-1 - Free Standing Product Fixture	VISION CENTER 2.0 - FSP-1 - Free Standing Product Fixture	FSP-1
VC2065	VISION CENTER 2.0 - FT3WS - Family Table Workstation	VISION CENTER 2.0 - FT3WS - Family Table Workstation	FTWS-3
VC2026	VISION CENTER 2.0 - FT8SBS - Side by Side - Family Table Assembly	VISION CENTER 2.0 - FT8SBS - Side by Side - Family Table Assembly	FT8 SIDE BY SIDE
VC2026	VISION CENTER 2.0 - FT-1 - Family Table	VISION CENTER 2.0 - FT-1 - Family Table	FT-1 SIDE BY SIDE
VC2029	VISION CENTER 2.0 - ISF-1 - Impulse Sun Fixture	VISION CENTER 2.0 - ISF-1 - Impulse Sun Fixture	ISF-1
VC2030	VISION CENTER 2.0 - LAF-1 - Loose Accessory Fixture	VISION CENTER 2.0 - LAF-1 - Loose Accessory Fixture	LAF-1
VC0037	VISION CENTER 2.0 - Lensometer Stand	VISION CENTER 2.0 - Lensometer Stand	UNKNOWN
VC2032	VISION CENTER 2.0 - LT8 - Low Table - Assembly	VISION CENTER 2.0 - LT8 - Low Table - Assembly	LT8
VC2032	VISION CENTER 2.0 - LT-3 - Low Table	VISION CENTER 2.0 - LT-3 - Low Table	LT-3
VC2033	VISION CENTER 2.0 - LTWS-1 - Low Table Workstation	VISION CENTER 2.0 - LTWS-1 - Low Table Workstation	LTWS-1
	VISION CENTER 2.0 - MFW1 - 10ft Monitor Focal Wall	VISION CENTER 2.0 - MFW1 - 10ft Monitor Focal Wall	
	VISION CENTER 2.0 - MFW1 - 10ft Monitor Focal Wall - Backwrap	10FT CEILING	
VC0010	VISION CENTER 2.0 - Monitor Arm	VISION CENTER 2.0 - Monitor Arm	UNKNOWN
VC2071	VISION CENTER 2.0 - ODS-1 - Stand - Millwork	VISION CENTER 2.0 - ODS-1 - Stand - Millwork	
VC2040	VISION CENTER 2.0 - PWF-1 - Perimeter Focal Wall	VISION CENTER 2.0 - PWF-1 - Perimeter Focal Wall	PWF-1
VC2041	VISION CENTER 2.0 - PWNF-1 - Perimeter Non-Focal Wall - Double	VISION CENTER 2.0 - PWNF-1 - Perimeter Non-Focal Wall - Double	PWNF-1
VC2042	VISION CENTER 2.0 - PWNF-1 - Perimeter Non-Focal Wall - Single	VISION CENTER 2.0 - PWNF-1 - Perimeter Non-Focal Wall - Single	PWNF-1
VC2066	VISION CENTER 2.0 - PWNF-3 - Non-Focal Wall - Triple	VISION CENTER 2.0 - PWNF-3 - Non-Focal Wall - Triple	PWNF-3
VC2045	VISION CENTER 2.0 - TPC-1 - Tray Processing Cabinet	VISION CENTER 2.0 - TPC-1 - Tray Processing Cabinet	TPC-1
N/A	VISION CENTER 2.0 - Upper Cabinet - 1 Door	ADJUSTMENTS ROOM	UNKNOWN
N/A	VISION CENTER 2.0 - Upper Cabinet - 2 Door	ADJUSTMENTS ROOM - SHORT CABINET	UNKNOWN
N/A	VISION CENTER 2.0 - Upper Cabinet - 2 Door	ADJUSTMENTS ROOM - TALL CABINET	UNKNOWN
	VISION CENTER 2.0 - Upper Cabinet Valance	VISION CENTER 2.0 - Upper Cabinet Valance	
N/A	VISION CENTER - Paper Towel Dispenser	VISION CENTER - Paper Towel Dispenser	UNKNOWN
RAE CORPORATION			
	23_Refrigeration_SECONDARY_GLYCOL_20-95_RAE Corp_Pump Skid	WMT-SEC-GLY-20/95-460	WMT-SEC-GLY-20/95-460
	23_Refrigeration_SECONDARY_GLYCOL_32-160_RAE Corp_Pump Skid	WMT-SEC-GLY-32/160-460	WMT-SEC-GLY-32/160-460
	23_Refrigeration_SECONDARY_GLYCOL_FEEDER_TANK_RAE Corp	GLA-S-HP-1	GLA-S-HP-1
REXEL USA INC			
EL0027	26_Lighting_Emergency_Battery_Rexel_EVHC	Type27	EVHC6IDP-0-WM W/ EVODW
EL0019	26_Lighting_Emergency_Rexel_EVHC	Type19	EVHC6IDP-WM W/ T BAR HANGER
EL0018	26_Lighting_Emergency_Rexel_EVHC	Type 18 - Wall	EVHC6IDP-WM
EL0008	26_Lighting_Flat_Panel_Rexel	Type8	PT14030W
SBI INDUSTRIAL LLC			
EX5006	PROTECT - Bollard	INT-4" FLOOR MOUNTED SS 32"H-OW	UNKNOWN
STRUCTURAL CONCEPTS CORP			
RD9009.005	REFR - RD9009	RD9009.005.039048074	MIR
WIN-HOLT EQUIPMENT GROUP			
SS004L	GROCERY - SS Hand Sink 16x14	SS004L	100519904
SS023	GROCERY - SS Sink 3 Comp	SS023	3N-2028-2D-20
SS032	GROCERY - Table 3FT Casters	SS032	3SLS30C

THIS PROJECT INCLUDES FIRE SPRINKLER HEADS AS OWNER PROVIDED ITEMS. REFER TO FP DRAWINGS FOR TYPES AND QUANTITIES

ADD EQUIPMENT VENDOR:
- AES INDUSTRIES INC
- RAE CORPORATION

SHEET NOTES

1. REF SPECS TO DETERMINE WHO IS RESPONSIBLE FOR INSTALLATION OF OWNER FURNISHED PRODUCTS

MATERIAL VENDOR LIST

VENDOR	VENDOR SAP #
[CONCEPT STORE FIXTURES][MCCUE CORPORATION]	[1000466238][1000103826]
HAINES JONES & CADBURY LLC HJC	1000121534

EQUIPMENT VENDOR LIST

VENDOR	VENDOR SAP #
ACUITY BRANDS LIGHTING INC	1000041247
AES INDUSTRIES INC	1000059359
CUSTOM DELIS EQUIPMENT CO INC	1000095181
DH PACE CO INC	1000050759
DURASERV CORP	1000103621
DYNAMIC CLOSURES CORPORATION	1000187055
GE LIGHTING SOLUTIONS LLC	1000061693
HAINES JONES & CADBURY LLC HJC	1000121534
HEATCRAFT REFRIGERATION PRODUCTS LL	1000108507
HILL PHOENIX INC	1000073608
HONEYWELL INTERNATIONAL INC	1000211094
HUSSMANN CORPORATION	1000048208
LOEB ELECTRIC CO	1000133741
MADIX	1000084552
POSITIVE LOCK INC	1000102802
QUALSERV SOLUTIONS LLC	1000041874
RAE CORPORATION	1000677320
REXEL USA INC	1000046047
SBI INDUSTRIAL LLC	1001137314
STRUCTURAL CONCEPTS CORP	1000086863
WIN-HOLT EQUIPMENT GROUP	1000147306

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CONSULTANTS

Walmart
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310 31ST AVE SE
STORE NO: 02403 - 254
9654624 PROTO
JOB NUMBER: 192

ISSUE BLOCK

1	PR #1	08/20/24

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DOCUMENT DATE: 05/10/24

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OWNER SUPPLIED ITEMS

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