

# PUYALLUP, WA STORE NO.: 2403-278

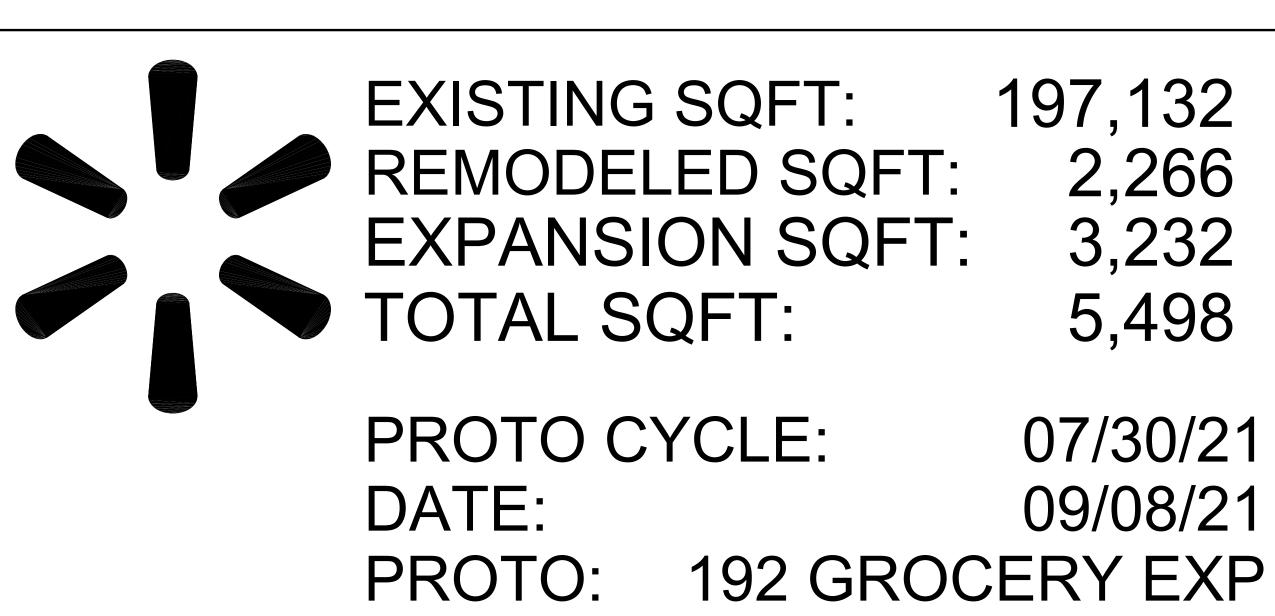
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FP2	FIRE SPRINKLER REMODEL PIPING PLAN				

FP2	FIRE SPRINKLER REMODEL PIPING PLAN

BUILDING CODE SU	MMARY				
	NAME OF PROJECT STREET ADDRESS PROPOSED USE			PUYALLUP, WA 310 31ST AVEN RETAIL	A IUE SE, PUYALLUP, WA 98374
CODES	BUILDING CODE MECHANICAL CODE PLUMBING CODE ELECTRICAL CODE ENERGY CODE FIRE CODE ACCESSIBILITY CODE			2018 WASHING 2018 WASHING 2018 WASHING 2018 WASHING	GTON STATE BUILDING CODE GTON STATE MECHANICAL CODE GTON STATE PLUMBING CODE GTON STATE ELECTRICAL CODE GTON STATE ENERGY CODE GTON STATE FIRE CODE C CHAPTER 11
OCCUPANCY	M - MERCANTILE; WHOLESALE S1 - STORAGE AREA; MOTOR \ STOCKROOMS (MIXED USE)	•	,	SECTION 309.1 SECTION 311.2	
	A2 - ASSEMBLY USE; BREAKRO USE)			SECTION 303.1	
	B - BUSINESS; NON FOOD TEN	,	1AIN USE)	SECTION 304.1	
TYPE OF CONSTRUCTION	II-B UNPROTECTED (SPRINKLE			PER SECTION	602.2 AND TABLES 601 AND 602
FIRE PROTECTION	BUILDING IS EQUIPPED THROU SYSTEM AND IS SURROUNDEE PERMANENT OPEN SPACE. UN	ON ALL SIDES BY 60 F	EET MINIMUM OF		
OCCUPANT LOAD:			BUILDING AREAS	<u>S:</u>	
RETAIL: OFFICES: STORAGE: GARDEN CENTER: TOTAL OCCUPANT LO	4.346 / 38,642 / 19,489	/ 30 = 5,246 100 = 44 300 = 129 / 30 = 650 6,069	EXISTING AR PROPOSED E TOTAL PROP	EXPANSION:	197,132 SF 3,232 SF 200,364 SF
EGRESS WIDTHS REQUIR		0,000			
RETAIL: OFFICES: STORAGE: GARDEN CENTER:	5,246 x .2 44 x .2 129 x .2 650 x .2	= 130 INCHES			
TOTAL WIDTH REQUIF	RED:	1,215 INCHES			
EGRESS WIDTHS PROVID RETAIL/GARDEN CEN		1,384 INCHES			
OFFICES: STORAGE: TOTAL WIDTH PROVID		68 INCHES 101 INCHES 1,553 INCHES			
CHITECTURAL/STRUCTURAL		ELECTRICAL/MECHAN	NICAL/PLUMBING ENGINE	ER:	
D PARTNERS CHITECT OF RECORD D7 DISCOVERY BLVD BLIN, OHIO 43017 ONE: (614) 634-7000		WD PARTNERS ENGINEER OF RECOF 7007 DISCOVERY BLV DUBLIN, OHIO 43017 PHONE: (614) 634-700	′D		
RE PROTECTION ENGINEER:		STRUCTURAL ENGINE	EER (RACKING):		BUILDING REVIEW:
LGIAN ) CIRCLE 75 PARKWAY, SUIT LANTA, GEORGIA 30339 ONE: (770) 432-3882	E 680	JOHNSTON BURKHOL 930 CENTRAL STREE KANSAS CITY, MISSO PHONE: (816) 412-420	URI 64105		CITY OF PUYALLUP PERMIT CENTER 333 S MERIDIAN 2ND FLOOR PUYALLUP, WA 98371 253-841-5481

# Wa mart > Remodeled so EXPANSION SO TOTAL SQFT:



Puyallup pment ering	Refer to approved civil p for sedimentation and erc					
OVED	VED Refer to approved civil plan: PRCCP20220035 for roof downspout control methods					
litional ments. Lian /2023	OCCUPANCY WILL N UNTIL ALL CIVIL WC WITH PRCCP2022003 AND APPROVAL HAS	RK ASSOCIATED 35 IS COMPLETED				
	City of Puvallup					
	Development & F	Permitting Services				
ASHINGO	Development & F	Permitting Services				
UVALLUS	Development & F	Permitting Services				

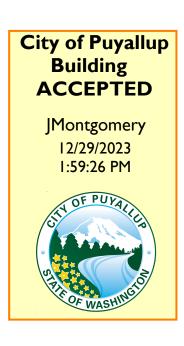
Fire

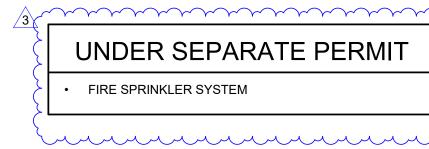
Traffic

City of

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

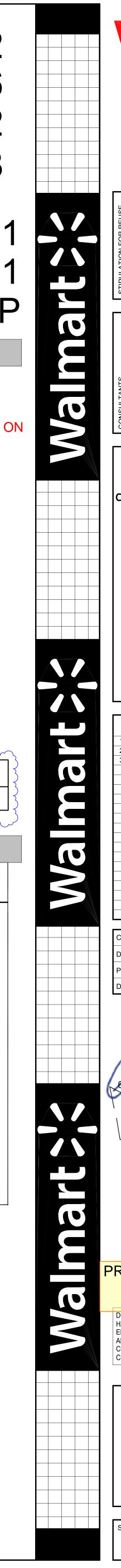
FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS (MIN. PLAN SIZE 24" X 36")





	VICINITY MAP	GENERAL NOTES
WALMART #02403 310 31ST AVENUE SE, PUYALLUP, WA 98374	Belever belever Belever belever belever Belever belever belever belever Belever belever beleve	<ol> <li>BUILDING IS FULLY SPRINKLERED AS REQUIRED BY CONTRACT DOCUMENTS. SUBMIT FIRE SPRINKLER SYSTEM DRAWINGS AND CALCULATIONS TO AUTHORITIES HAVING JURISDICTION (FIRE DEPARTMENT, FIRE MARSHAL, ETC). OBTAIN ALL APPROVALS PRIOR TO FABRICATION OR INSTALLATION.</li> <li>OWNER WILL PROVIDE, OR HAS ALREADY PROVIDED, FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10. AUTHORITY HAVING JURISDICTION WILL APPROVE FINAL FIRE EXTINGUISHER LOCATIONS.</li> <li>WALMART'S ALARM CENTRALS 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 SHOULD BE DIRECTED TO 1-800-530-9924, OPTION 3.</li> <li>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 COMODITIES IN FURE OF 101 STANDARDS IN COMPLETES IN</li> </ol>
5		FIXED, SINGLE AND DOUBLE ROW RACKS. THE STACKING HEIGHT OF THE ROLLING RACK AREA WILL
	<ul> <li>DOORS: REPAIR/REPLACE AS NOTED.</li> <li>PICKUP STORAGE (RIGHT SIDE): REMODEL/INSTALL NEW EQUIPMENT AND WALK-IN AS NOTED</li> <li>ONLINE PICKUP: IMPLEMENT PICKUP 2.0 AND REMODEL EXISTING PICKUP AREA IF EXISTING</li> <li>ROOF: INSTALL EQUIPMENT AS SHOWN</li> <li>FLOORING: REPAIR / REPLACE AS NOTED</li> <li>PICKUP EXTERIOR: REPAINT PARKING AND ACCESS STRIPING AS NOTED. INSTALL NEW SITE DIRECTIONAL SIGNAGE AS NOTED.</li> </ul>	<ul> <li>NOT EXCEED 12 FEET.</li> <li>REINSTALL ALL FIRE EXTINGUISHERS IMMEDIATELY FOLLOWING COMPLETION OF FINAL FINISH TO MOUNTING SURFACE.</li> <li>REFER TO GENERAL CONTRACTOR PERMIT, REGISTRATION, NOTIFICATION INSPECTION &amp; INSTALLER CERTIFICATION (GCPRN) REPORT LOCATED IN GC PERMIT INFORMATION FOLDER ON OWNER'S DOCUMENT DELIVERY WEBSITE.</li> </ul>

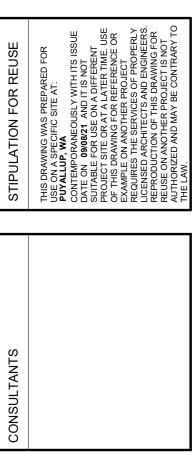
HEALTH REVIEW:	STORE MANAGER:
TACOMA-PIERCE COUNTY HEALTH DEPARTMENT 3629 SOUTH D ST TACOMA, WA 98418 253-649-1706	JASON VAN NESS WALMART STORE NO. 2403-278 310 31ST AVENUE SE, PUYALLUP, WA 98374 PHONE: (253) 770-4399





# 7007 DISCOVERY BLVD DUBLIN, OH 43017 614.634.7000 T

WDPARTNERS.COM





ISSUE BLOCK						
1	PR#1	01/25/22				
2	PR#2	03/18/22				
3	ADD#2	05/11/22				
	· ·					
CHE	ECKED BY:	SME				
DR/	AWN BY:	MA/AK/SH				
PRO	DTO CYCLE:	07/30/21				
DOG	CUMENT DATE:	09/08/21				



PRCA20231436

DOCUMENTS THAT DO NOT HAVE THE ARCHITECT OR ENGINEER OF RECORD SEAL AND SIGNATURE SHALL BE CONSIDERED NOT FOR CONSTRUCTION



SHEET: C1

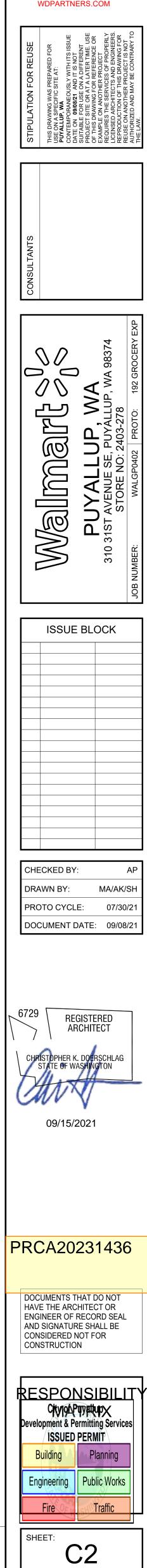
	RESPONSIBILITY MATRIX						
THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE AN EASY ACCESS TO SOME OF THE IMPORTANT INFORMATION NEEDED FOR THIS PROJECT. THIS MATRIX IS NOT AN INCLUSIVE SCOPE OF WORK AND DOES NOT REPLACE THE REQUIREMENTS IDENTIFIED IN THE REST OF THE CONTRACT DOCUMENTS.							
ITEM DESCRIPTION	FURNISHED BY	INSTALLE	BY COORDINATION TASK	CONTACT	PHONE & EMAIL	LOCATION IN DOCUMENTS	
NEW AUTO SLIDING DOOR PACKAGES, INCLUDING NEW PICKUP OR EXPANSION DOORS.	OWNER	OWNER	GC TO CONFIRM DOOR MANUFACTURER'S ROUGH OPENING AND DRAWINGS DIMENSIONS BEFORE DOORS CAN BE BUILT AND SHIPPED. DOOR PRODUCTION DOES NOT BEGIN UNTIL ROUGH OPENINGS ARE CONFIRMED.	STANLEY ACCESS TECHNOLOGIES RECORD-USA	STANLEY ACCESS TECHNOLOGIES, FARMINGTON, CT CONTACT: CARLA MESSINA, NATIONAL ACCOUNTS PROJECT MANAGER, (860) 801-0267 RECORD-USA MONROE, NC CONTACT: DAVID PICKERS, VP OF DIRECT SALES, (704) 315-7392	REF SPECIFICATION 01600 FOR LONG LEAD	
REPLACEMENT OF EXISTING AUTO SLIDING DOOR INCLUDING PICK-UP & OTHER LOCATIONS	OWNER	OWNER	STANLEY DISPATCHES TECHNICIAN TO CONFIRM EXISTING CONDITIONS AND ROUGH OPENINGS	STANLEY ACCESS TECHNOLOGIES RECORD-USA	STANLEY ACCESS TECHNOLOGIES, FARMINGTON, CT CONTACT: CARLA MESSINA, NATIONAL ACCOUNTS PROJECT MANAGER, (860) 801-0267 RECORD-USA MONROE, NC CONTACT: DAVID PICKERS, VP OF DIRECT SALES, (704) 315-7392		
SALVAGE PICKUP REFRIDGERATION EQUIPMENT	N/A	N/A	PROPAK: 1. GC TO REMOVE REFRIDGERATED EQUIPMENT. PROPAK TO DECOMMISSION EQUIPMENT AND REMOVE REFRIDGERANT. 2. GC TO PALLETIZE EQUIPMENT AND CONTACT PROPAK FOR REMOVAL. HUSSMANN 1. HUSSMANN TO DECOMMISSION AND SALVAGE REFRIDGERATED CASES TO BE RE-USED FOR NEW OGP ACTIVATIONS. 2. GC RESPONSIBLE FOR ALL OTHER SCOPE DUE TO OGP CASE REMOVAL, INCLUDING REMOVAL OF DOOR FRAMES AS NEEDED.	PROPAK HUSSMANN	PROPAK CONTACT: DONALD PARTAIN - walmart@propak.com HUSSMANN CONTACT: RANDY BADSKY - Randy.Badsky@Hussmann.com	SPEC SECT 02023	

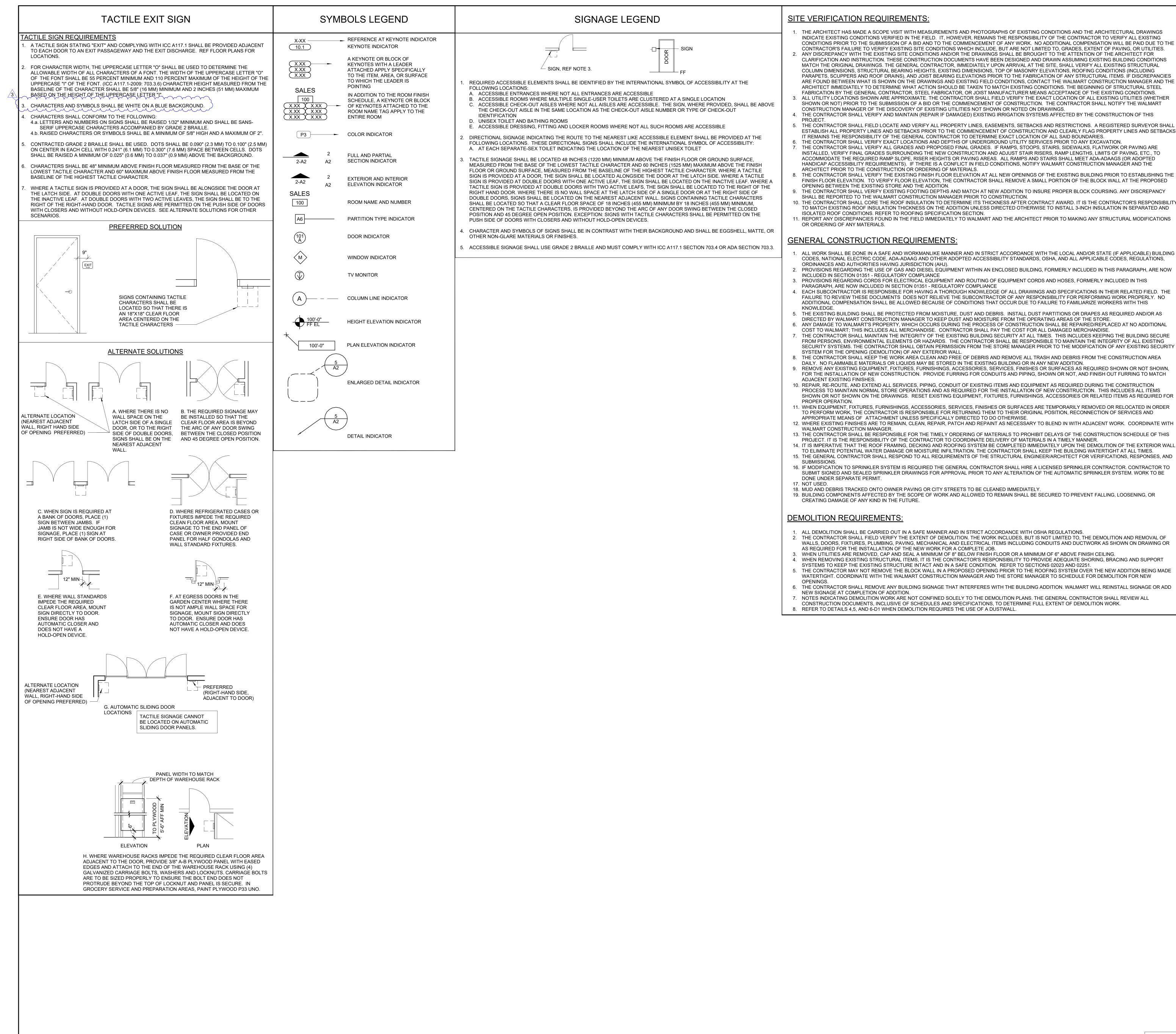
LEAD TIMES



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	AS REQUIRED FOR THE INS
3.	WHEN UTILITIES ARE REMO
4.	WHEN REMOVING EXISTING
	SYSTEMS TO KEEP THE EXIS
5.	THE CONTRACTOR MAY NO
	WATERTIGHT. COORDINATE
	OPENINGS.
6.	THE CONTRACTOR SHALL R
	NEW SIGNAGE AT COMPLET
7.	NOTES INDICATING DEMOLI

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, HOWEVER, 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. 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. 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. . THE CONTRACTOR SHALL VERIFY AND MAINTAIN (REPAIR IF DAMAGED) EXISTING IRRIGATION SYSTEMS AFFECTED BY THE CONSTRUCTION OF THIS

. 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. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DEPTHS OF UNDERGROUND UTILITY SERVICES PRIOR TO ANY EXCAVATION. 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 NEW 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. THE CONTRACTOR SHALL VERIFY THE EXISTING FINISH FLOOR ELEVATION AT ALL NEW 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 THE CONTRACTOR SHALL VERIFY EXISTING FOOTING DEPTHS AND MATCH AT NEW 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. 1. REPORT ANY DISCREPANCIES FOUND IN THE FIELD IMMEDIATELY TO WALMART AND THE ARCHITECT PRIOR TO MAKING ANY STRUCTURAL MODIFICATIONS

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, PROVISIONS REGARDING THE USE OF GAS AND DIESEL EQUIPMENT WITHIN AN ENCLOSED BUILDING, FORMERLY INCLUDED IN THIS PARAGRAPH, ARE NOW 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 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

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. 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 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. 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 NEW ADDITION. REMOVE ANY EXISTING EQUIPMENT, FIXTURES, FURNISHINGS, ACCESSORIES, SERVICES, FINISHES OR SURFACES AS REQUIRED SHOWN OR NOT SHOWN, FOR THE INSTALLATION OF NEW CONSTRUCTION. PROVIDE FURRING FOR CONDUITS AND PIPING, SHOWN OR NOT, AND FINISH OUT FURRING TO MATCH

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 NEW CONSTRUCTION. THIS INCLUDES ALL ITEMS SHOWN OR NOT SHOWN ON THE DRAWINGS. RESET EXISTING EQUIPMENT, FIXTURES, FURNISHINGS, ACCESSORIES OR RELATED ITEMS AS REQUIRED FOR 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.

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 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

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

1. ALL DEMOLITION SHALL BE CARRIED OUT IN A SAFE MANNER AND IN STRICT ACCORDANCE WITH OSHA REGULATIONS. . 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 STALLATION OF THE NEW WORK FOR A COMPLETE JOB. OVED, CAP AND SEAL A MINIMUM OF 8" BELOW FINISH FLOOR OR A MINIMUM OF 6" ABOVE FINISH CEILING. G STRUCTURAL ITEMS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING, BRACING AND SUPPORT ISTING STRUCTURE INTACT AND IN A SAFE CONDITION. REFER TO SECTIONS 02023 AND 02251.

T REMOVE THE BLOCK WALL IN A PROPOSED OPENING PRIOR TO THE ROOFING SYSTEM OVER THE NEW ADDITION BEING MADE WITH THE WALMART CONSTRUCTION MANAGER AND THE STORE MANAGER TO SCHEDULE FOR DEMOLITION FOR NEW REMOVE ANY BUILDING SIGNAGE THAT INTERFERES WITH THE BUILDING ADDITION. WALMART WILL REINSTALL SIGNAGE OR ADD TION OF ADDITION. LITION 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. REFER TO DETAILS 4,5, AND 6-D1 WHEN DEMOLITION REQUIRES THE USE OF A DUSTWALL.

GENER	AL ABBREVIATIONS
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUT
ACRYL	ACRYLIC
ADA	AMERICANS WITH DISABILITIES A
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AISC	AMERICAN INSTITUTE OF STEEL
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY OF TESTING
AWS	AMERICAN WELDING SOCIETY
BFF	BELOW FINISHED FLOOR
3L	BLOCK LINTEL
30	BOTTOM OF
30S	BOTTOM OF STEEL
BRG	BEARING
CJ	CONTROL JOINT
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CU	CONDENSING UNIT
DIA	DIAMETER
DSD	DIRECTS SHIPPING DELIVERY
EAS EC	ELECTRONIC ARTICLE SURVEILL
EDC	ELECTRICAL DISTRIBUTION CENT
EIFS	EXTERIOR INSULATION AND FINIS
EF	EXHAUST FAN
EF EJ EL	EXPANSION JOINT ELEVATION
ELEC	ELECTRICAL
EQ	EQUAL
ETR	EXISTING TO REMAIN
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
FDN	FOUNDATION
FF	FINISHED FLOOR
FRP	FIBER REINFORCED PLASTIC
FS	FAR SIDE
FTG	FOOTING
FV	FIELD VERIFY
GA	GAUGE
GC GM	GAUGE GENERAL CONTRACTOR GENERAL MERCHANDISE
GR	GROCERY
GYP BD	GYPSUM BOARD
HC	HANDICAP
HDTV	HIGH DEFINITION TELEVISION
HORIZ	HORIZONTAL HEADED STUD ANCHOR
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
NFO	INFORMATION
SO	ISOLATION
JBE	JOIST BEARING ELEVATION
JST	JOIST
JT	JOINT
KSI	KIPS PER SQUARE INCH
B	LENGTH POUNDS
_LH	LONG LEG HORIZONTAL
_LV	LONG LEG VERTICAL
<u>_ONG</u> MAX	LONGITUDINAL
MAU	MECHANICAL AIR UNIT
ME	MASONRY ELEVATION
MECH	MECHANICAL
MEP	MECHANICAL ELECTRICAL PLUM
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
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 PCF PFC	POWDER ACTUATED FASTENER POUNDS PER CUBIC FOOT
PL PLAM	PAINT, FIX, CLEAN PLATE PLASTIC LAMINATE
PLAST	PLASTIC POUNDS PER LINEAR FOOT
PMEJ	PREMOLDED EXPANSION JOINT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RC	REFRIGERATION CONTRACTOR
REF	REFER TO
REINF	REINFORCING
REQD REV	REQUIRED
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
RXPFC	PHARMACY PAINT FIX CLEAN
SCB	SANITARY COVE BASE
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SPECS	SPECIFICATIONS
SS	STAINLESS STEEL
STD	STANDARD
STRUC	STRUCTURAL
T&B	TOP AND BOTTOM
TEMP	TEMPERED
THK	THICKNESS
TO	TOP OF
TOC/TC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOGB	TOP OF GRADE BEAM
TOM TOP/TP	TOP OF GRADE BEAM TOP OF MASONRY TOP OF PAVING
TOS TRANS	TOP OF PAVING TOP OF STEEL TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VCPFC	VISION CENTER PAINT FIX CLEAN
VERT	VERTICAL
W	WIDTH
WM	WALMART
	DEFINITION LE
FINAI MEP	CHANDISE PLAN - FINALIZED MERC
	ERRED TO AS THE DEAL BOX COPY

ABBREVIATION

WORKERS WITH THIS KNOWLEDGE

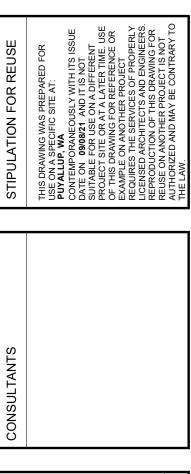
WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

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FOR HAVING A THOROUGH KNOWLEDGE OF HEIR RELATED FIELD. THE FAILURE TO GE DOES NOT RELIEVE THE RESPONSIBILITY	SHE
O ADDITIONAL COMPENSATION SHALL BE OCCUR DUE TO FAILURE TO FAMILIARIZE	



# 007 DISCOVERY BLVD JBLIN, OH 43017 14.634.7000 T

/DPARTNERS.COM





ISSUE BLOCK							
3	ADD#2	05/11/22					
CHE	ECKED BY:	SME					
DR/	WN BY:	MA/AK/SH					
PRC	OTO CYCLE:	07/30/21					
DOC	CUMENT DATE:	09/08/21					



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MENTS THAT DO NOT THE ARCHITECT OR NEER OF RECORD SEAL SIGNATURE SHALL BE SIDERED NOT FOR TRUCTION



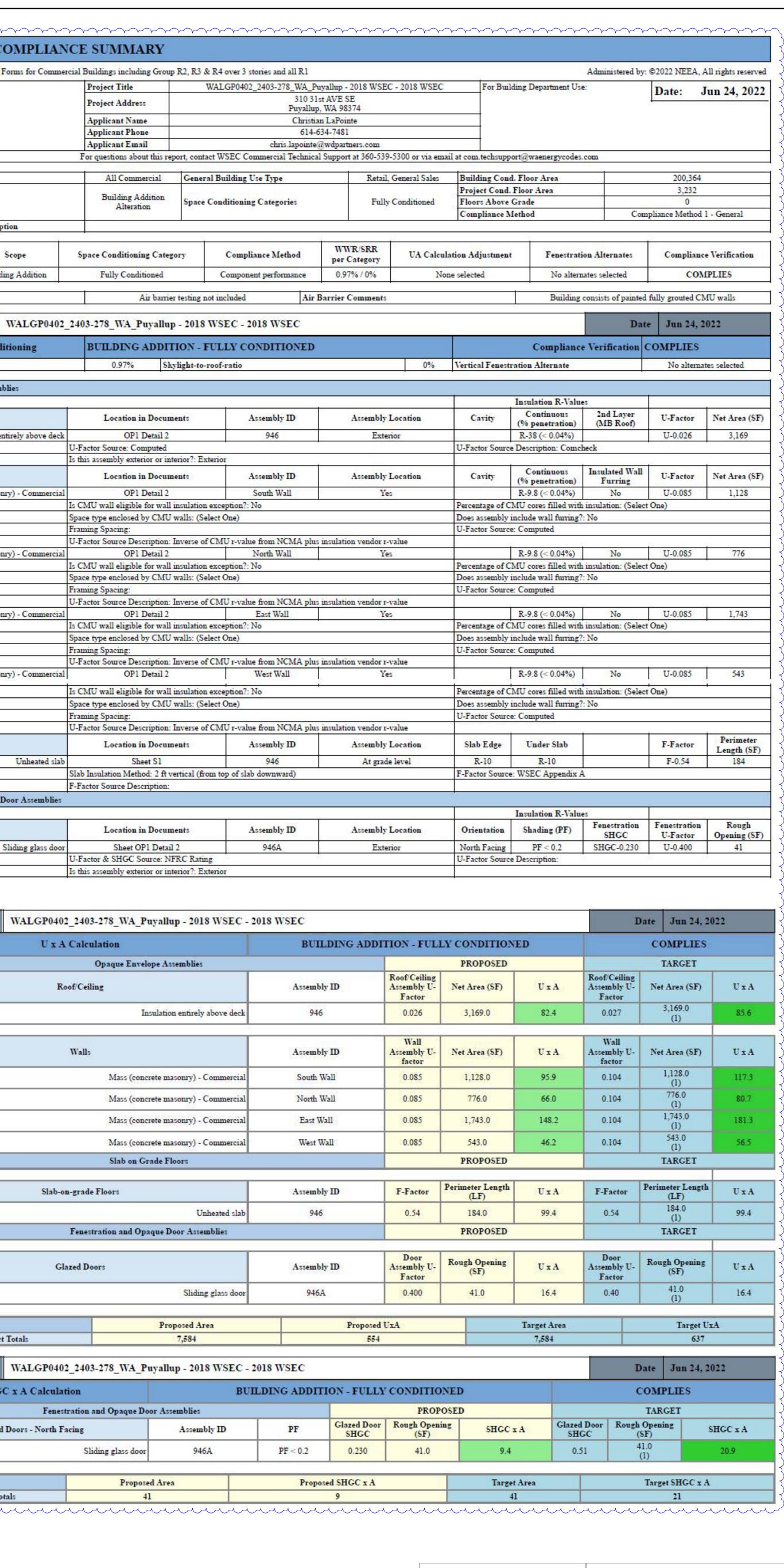
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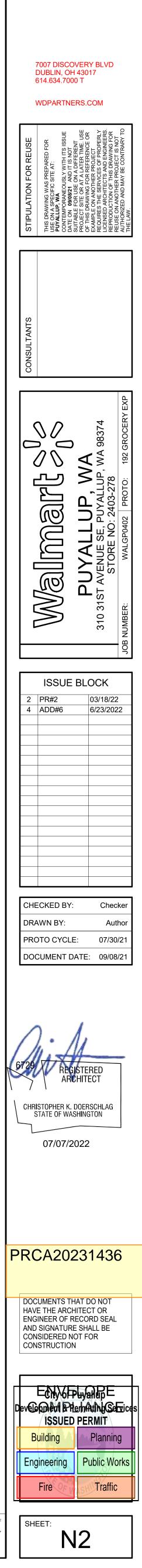
<pre>{</pre>	ENVELOPE CO
2	ENVELOPE CO
	2018 WSEC Compliance For
ξ	
{	Project & Applicant
2	Information
ξ	5
Ş	Sector - Description
2.	General Occupancy
Ę	Project Scope
5	Envelope Project Description
}	
ξ	Envelope Compliance Sco
E	Scope and Method Building
	Air Barrier Testing
2	Project Title W
2	Scope & Space Conditio
Ş	Window-to-wall Ratio
{	Opaque Envelope Assemblie
2	
Š.	Roof/Ceiling
2	Insulation entire
Ś	Walls
5	Mass (concrete masonry)
ξ	
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5	Mass (concrete masonry)
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	Mass (concrete masonry)
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OMPLIAN	CE SUMMARY												
Forms for Comme	reial Buildings including Group	R2, R3 & R4	over 3 stories and all R1							Administered by	: ©20	22 NEEA	.,
	Project Title	WAL	GP0402_2403-278_WA_Pt		VSEC	- 2018 WSEC	For B	uilding l	Department Use	2: //	D	ate:	-
	Project Address			st AVE SE , WA 98374							-	atter	-
	Applicant Name			an LaPointe			-						
	Applicant Phone			53 <mark>4-7481</mark>									
	Applicant Email		chris.lapointe(	@wdpartners.co	m		<u></u>						_
	For questions about this rep	ort, contact W	SEC Commercial Technica	l Support at 360	-539-5	300 or via ema	il at com.techsuj	pport@	waenergycodes.	com			_
	All Commercial	General Bu	uilding Use Type	R	etail. G	eneral Sales	Building Co	nd. Flo	or Area			200,36	4
							Project Con					3,232	-
	Building Addition Alteration	Space Con	ditioning Categories	1	Fully C	onditioned	Floors Abov	e Grad	e			0	
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tion	20 10	982		SX	7-0			0	c		7-12		_
Scope	Space Conditioning Catego	ory	Compliance Method	WWR/SRI per Catego	1000	UA Calcul	ation Adjustme	nt	Fenestrati	on Alternates		Complia	n
ing Addition	Fully Conditioned	(	Component performance	0.97%/09		Not	ne selected		No altern	ates selected	85	CO	))
		1											
	Air barrier	testing not in	cluded Air l	Barrier Comm	ents				Building	consists of painted	l fully	grouted	С.
WALGP0402	2403-278_WA_Puyallup	- 2018 WS	EC - 2018 WSEC					-4.54		Dat	te	Jun 24,	
itioning	BUILDING ADDIT	ION FUI	LY CONDITIONED	1					Compliance	Verification	CON		
moning									1.0	evenineation	COA		
	0.97% Sky	light-to-roof-	-ratio			0%	Vertical Fene	stration	i Alternate		0	No alter	n
blies													
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	Location in Docum	ents	Assembly ID	Assem	bly Lo	ocation	Cavity		ontinuous	2nd Layer	Ţ	J-Factor	
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ntirely above deck	U-Factor Source: Computed		946		Exterio	or	IL-Factor Sou	-	38 (< 0.04%) cription: Comch	ack	1 8	U-0.026	_
	Is this assembly exterior or inte	erior?: Exterio	r				C-1 actor 504	ice Des	cription. courci	Jech .			-
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nry) - Commercial	OP1 Detail 2		South Wall	8	Yes		-	_	0.8 (< 0.04%)	No		U-0.085	
	Is CMU wall eligible for wall i									insulation: (Selec	t One	)	_
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nry) - Commercial	OP1 Detail 2		North Wall		Yes			R-9	0.8 (< 0.04%)	No		U-0.085	
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nry) - Commercial	OP1 Detail 2	inverse of CIM	East Wall	s insulation vend	Yes	uue	-	R-9	.8 (< 0.04%)	No	T o	U-0.085	-
-,,	Is CMU wall eligible for wall i	nsulation exce					Percentage of	-		insulation: (Selec	-		-
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iry) - Commerciar	Concerning and the second second			l. I	res			<u></u>	1		1	10230	_
	Is CMU wall eligible for wall i									insulation: (Selec	t One	)	_
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	Location in Docum	ents	Assembly ID	Assen	ibly Lo	ocation	Slab Edge	τ	Inder Slab		1	F- <mark>F</mark> actor	-
Unheated slab	755004 501.50		946	At	grade l	evel	R-10		R-10		-C	F-0.54	
	Slab Insulation Method: 2 ft ve	ertical (from to	op of slab downward)				F-Factor Sour	ce: WS	EC Appendix A				_
	F-Factor Source Description:						1						
Door Assemblies							1		led D T		T		
		10	Real Property lines	- 	0.2728	(S)	a constant	1 1999	lation R-Value	Fenestration	Fe	nestratio	n
	Location in Docum	ents	Assembly ID	Assen	ibly Lo	ocation	Orientation	SI	nading (PF)	SHGC		U-Factor	
Sliding glass door			946A		Exterio	or	North Facing	-	PF < 0.2	SHGC-0.230		U-0.400	_
	U-Factor & SHGC Source: NF		52. ž	54			U-Factor Sou	rce Des	cription:	5 5	32. 		_
	Is this assembly exterior or inte	enor :: Exteno	r										_

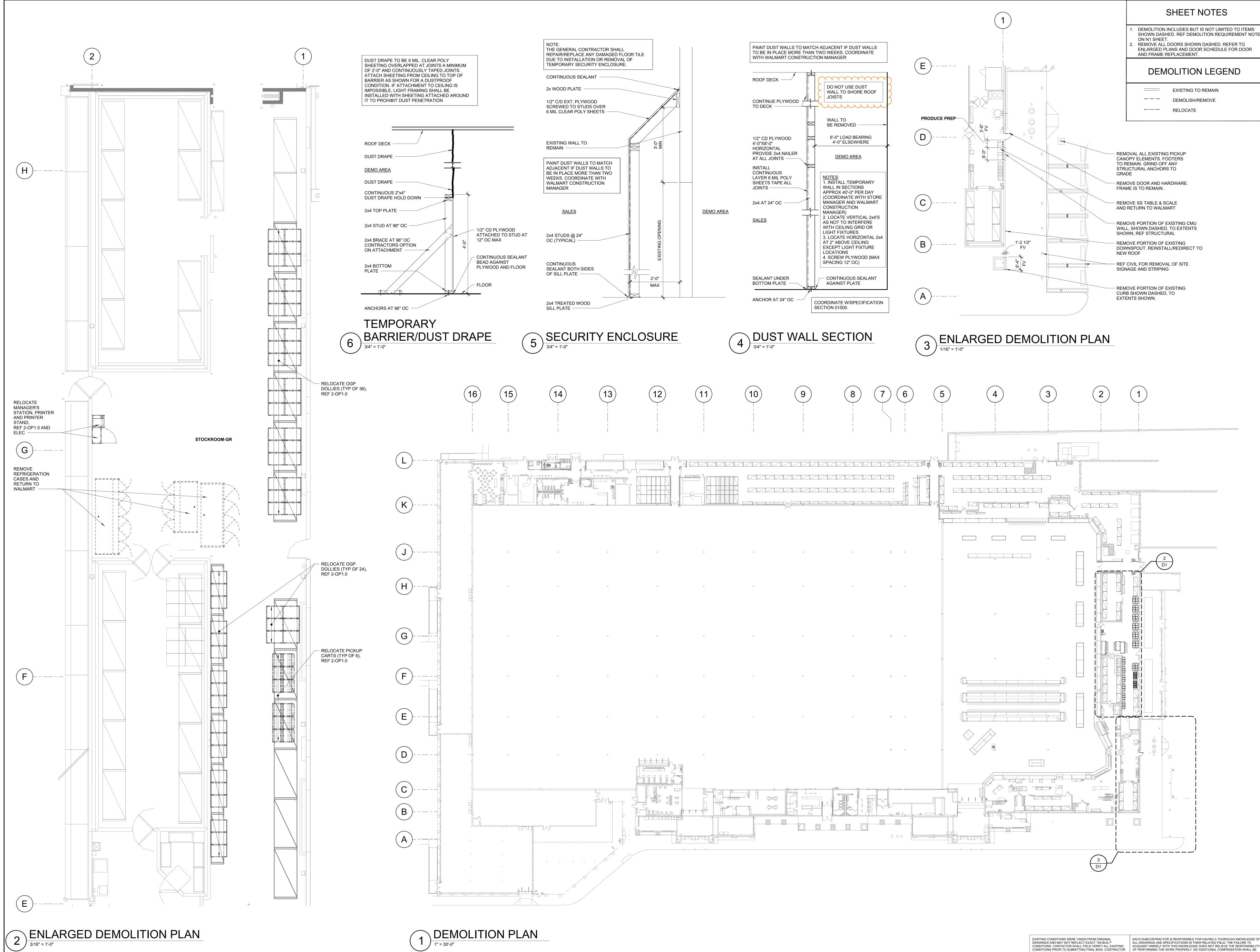
WALGP0402_240	3-278_WA_Puyallup - 2018 WSEC - 2018	8 WSEC				I	Date Jun 24,
U x A Calc	ulation	BUILDING A	DDITION - FUL	LY CONDITIONE	ED		COMPLIE
	Opaque Envelope Assemblies			PROPOSED			TARGET
Roof/Cei	iling	Assembly ID	Roof/Ceiling Assembly U- Factor	Net Area (SF)	UxA	Roof/Ceiling Assembly U- Factor	Net Area (SF)
	Insulation entirely above deck	946	0.026	3,169.0	82.4	0.027	3,169.0 (1)
Wall	s	Assembly ID	Wall Assembly U- factor	Net Area (SF)	UxA	Wall Assembly U- factor	Net Area (SF)
	Mass (concrete masonry) - Commercial	South Wall	0.085	1,128.0	95.9	0.104	1,128.0 (1)
	Mass (concrete masonry) - Commercial	North Wall	0.085	776.0	66.0	0.104	776.0 (1)
	Mass (concrete masonry) - Commercial	East Wall	0.085	1,743.0	148.2	0.104	1,743.0 (1)
	Mass (concrete masonry) - Commercial	West Wall	0.085	543.0	46.2	0.104	543.0 (1)
	Slab on Grade Floors			PROPOSED			TARGET
Slab-on-grad	le Floors	Assembly ID	F-Factor	Perimeter Length (LF)	UxA	F-Factor	Perimeter Leng (LF)
	Unheated slab	946	0.54	184.0	99.4	0.54	184.0 (1)
Fene	stration and Opaque Door Assemblies			PROPOSED			TARGET
			Door			Door	Second and a second second second
Glazed D	loors	Assembly ID	Assembly U- Factor	Rough Opening (SF)	UxA	Assembly U- Factor	Rough Openin (SF)
	Sliding glass door	946A	0.400	41.0	16.4	0.40	41.0 (1)
	Proposed Area	Dura	oosed UxA		Target Area		Target
t Totals	7,584	Proj	554		7,584		1arget 63
		the second se					00

WALGPO	0402_2403-278_WA_Puya	llup - 2018 WSEC -	2018 WSEC					Date	Jun 24,
C x A Calcu	ulation	BU	COMPLIES						
Fe	nestration and Opaque Door 4	Assemblies			PROPOSED			TAR	GET
Doors - North Facing Assembly		Assembly ID	PF	Glazed Door SHGC (SF) SHGC x A		SHGC x A	Glazed Door SHGC	Rough Openi (SF)	ng
Sliding glass door 946A		946A	PF < 0.2	0.230	41.0	9.4	0.51	41.0 (1)	
	Proposed A	rea	Propo	sed SHGC x A		Target Area		Targe	t SHGC x.
tals 41						41			21





innovation at scale



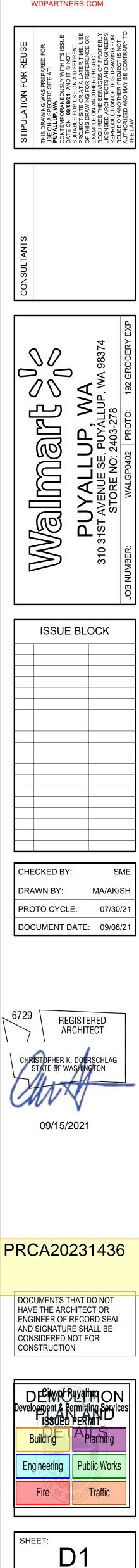
WORKERS WITH THIS KNOWLEDGE.

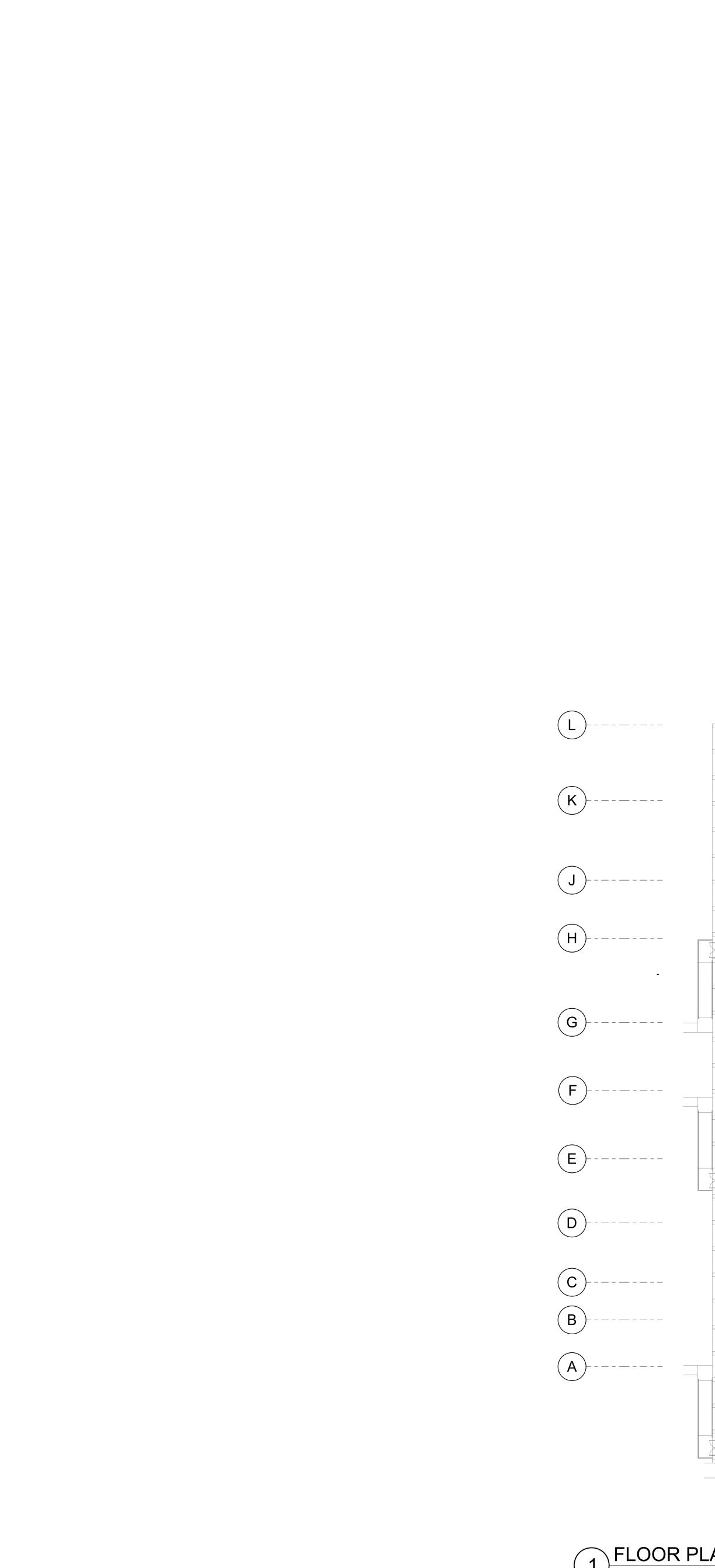
WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

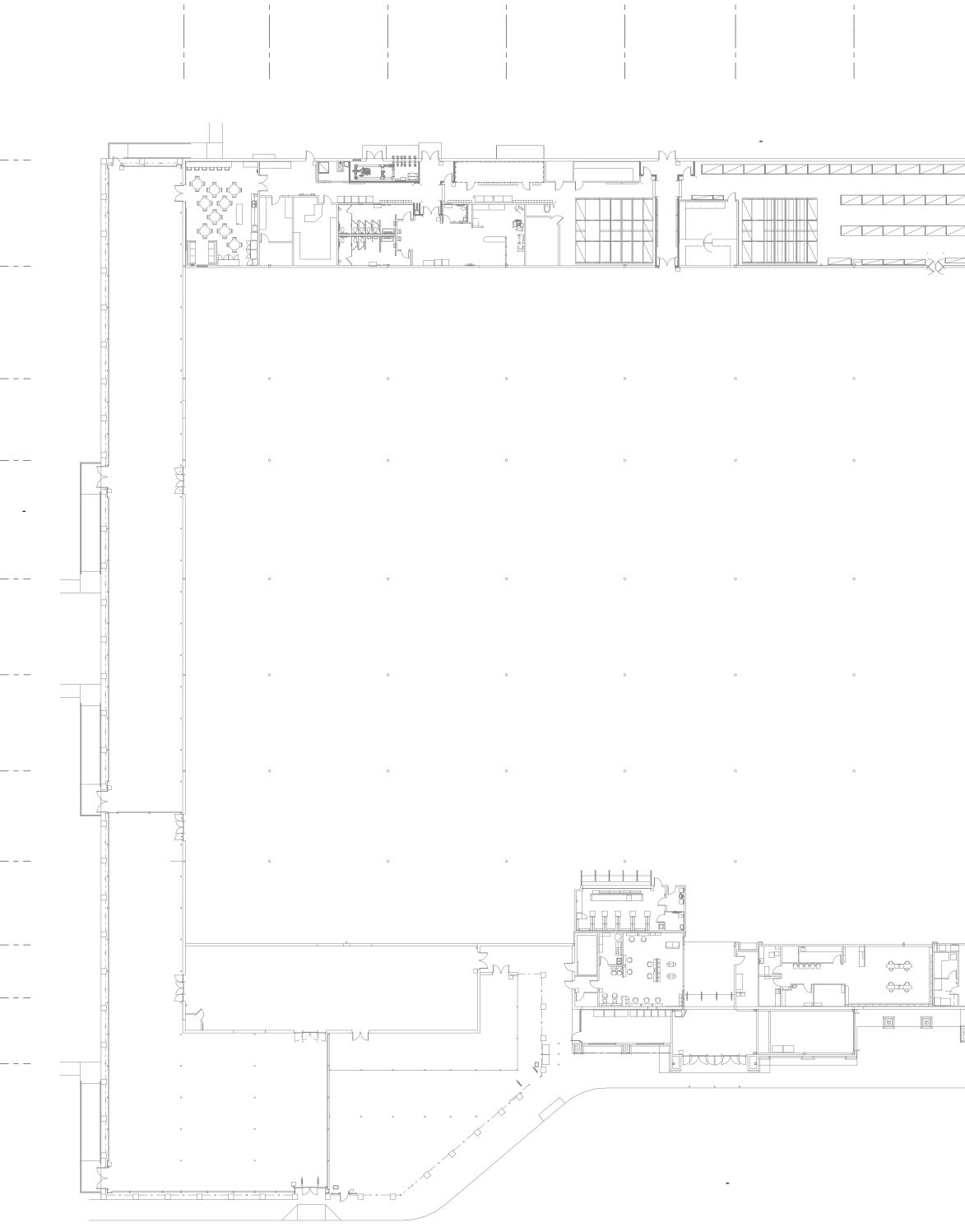


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(12)

(13)

(15)

(14)

(16)

(11)

(10)

(1) FLOOR PLAN 1" = 30'-0"

			10.44 PROVIDE TACTILE "EXIT" SIG	<b>NOTES</b>	SHEET NOT
					<ol> <li>NOT USED.</li> <li>NOT USED.</li> <li>NOT USED.</li> <li>RELOCATION AND SETUP OF GONDO RACKING AS INDICATED ON FXS SHE DEDEODMED BY OTHERS ANCHORIN</li> </ol>
					PERFORMED BY OTHERS. ANCHORIN BE PERFOMED BY GENERAL CONTRA
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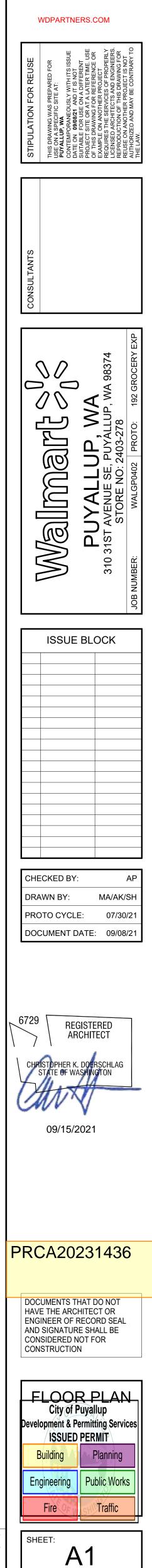
1 - OP1.3

# NOTES

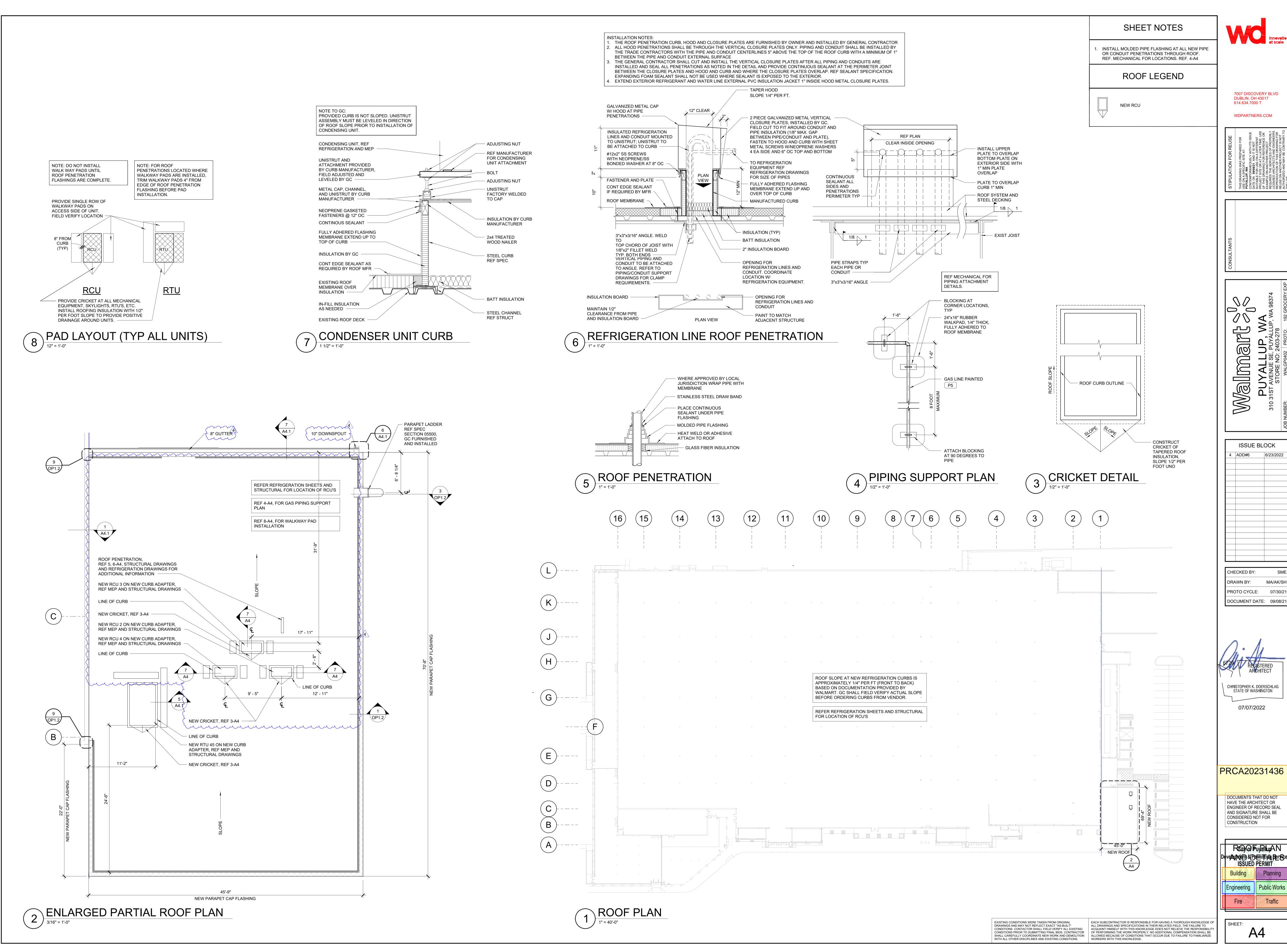
# DF GONDOLAS AND/OR N FXS SHEETS WILL BE ANCHORING OF UPRIGHTS TO AL CONTRACTOR.

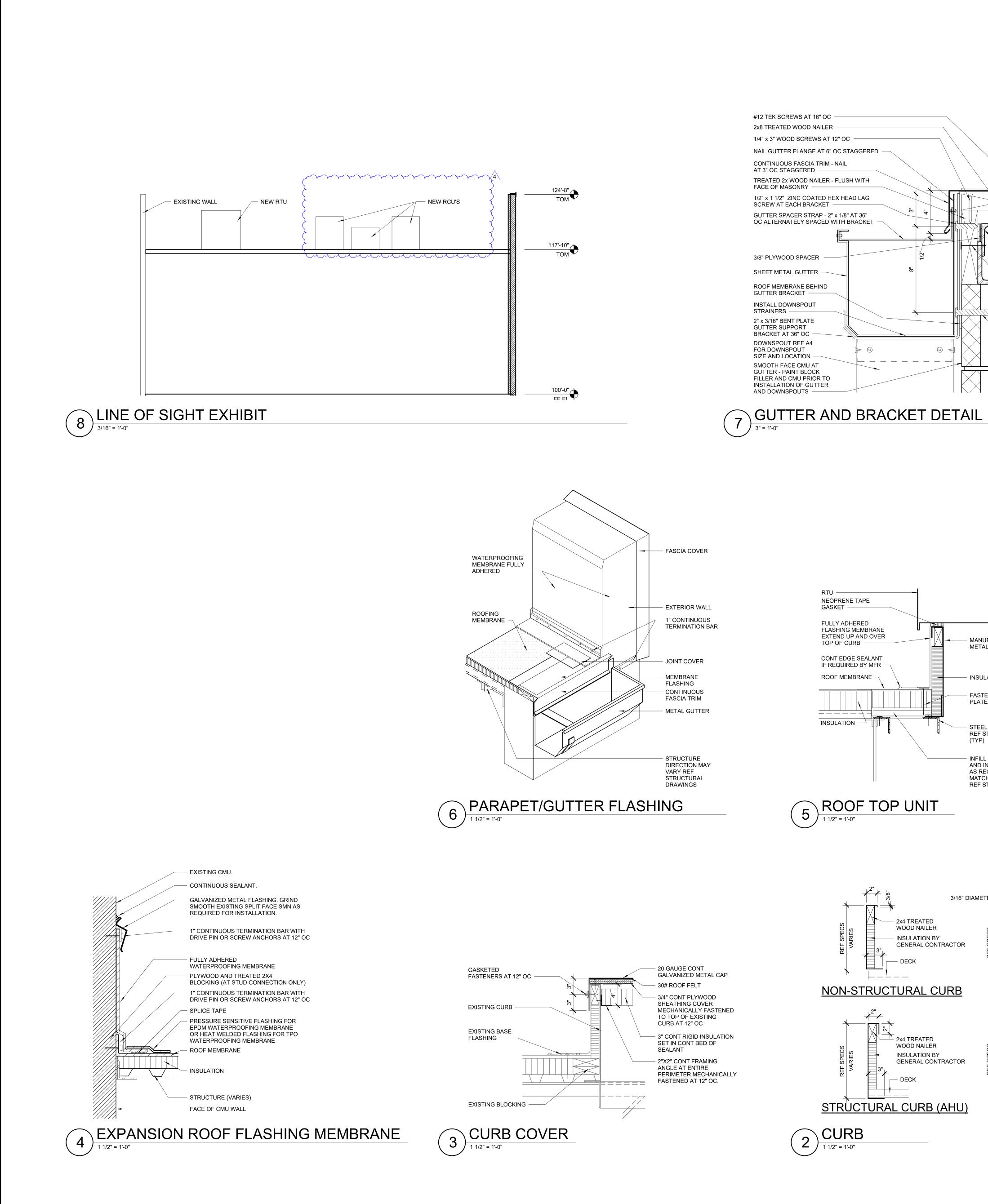


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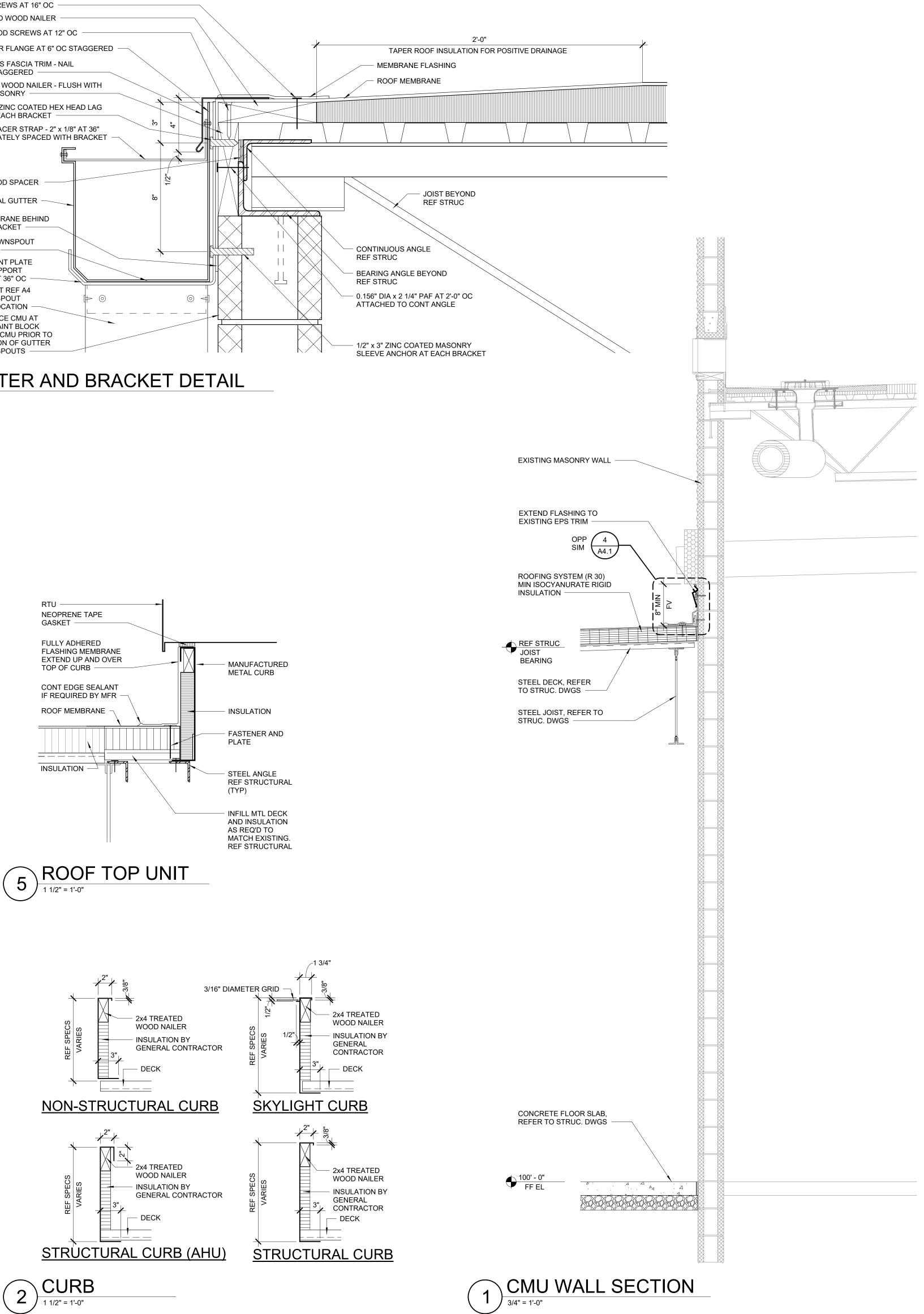


2 0P1.0



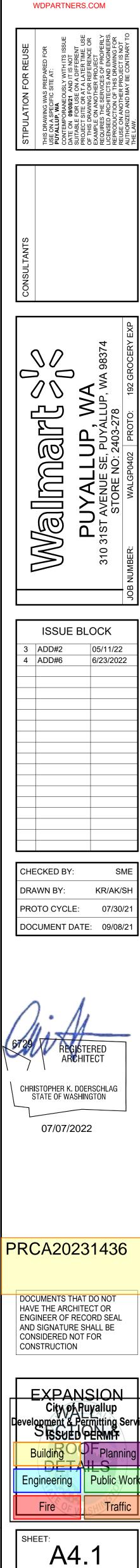


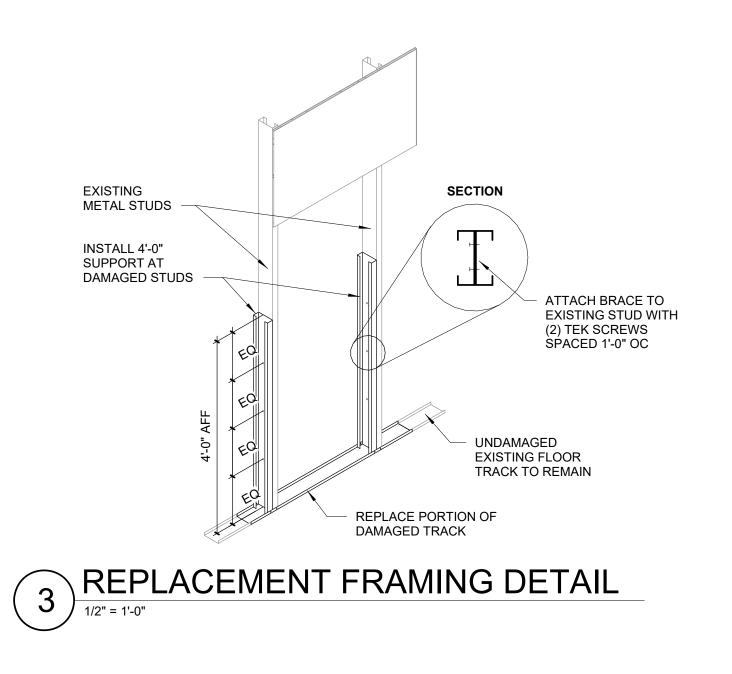
GENERAL CONTRACTOR NON-STRUCTURAL CURB GENERAL CONTRACTOR STRUCTURAL CURB (AHU)



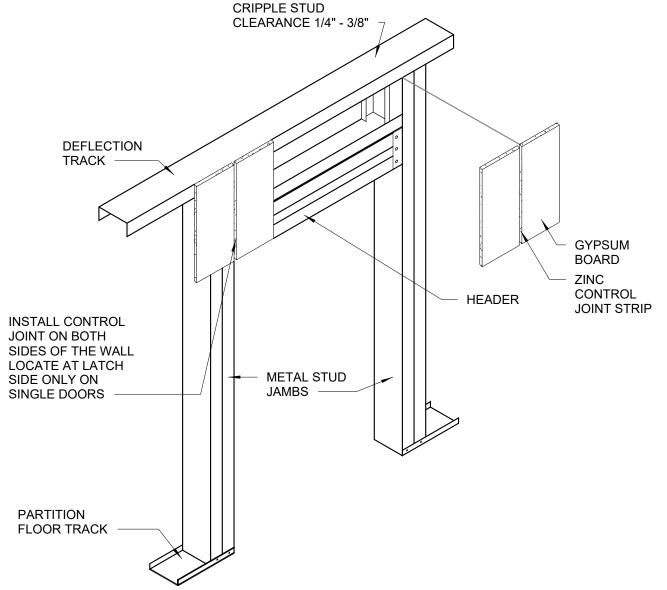


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# 2 CONTROL JOINT AT DOOR JAMB



	SECTION-A	SECTIC
1 HEADEF	R CONNECT	ION DETAIL

OVER 18'-0" & UP TO 20'-0"	(2) C10x1 5/8"x16
OVER 20'-0" & UP TO 24'-0"	(2) C12x1 5/8"x16
NOTES:	
1. MAX WALL HEIGHT ABOV	
2. SPLICING OF HEADER AN 3. MAX SPAN FOR OPENING	
4. JAMBS NOT TO DECK AR	
DETAILS. 3 5/8" JAMBS BEY	OND 13'-4" ARE TO
THAT THE MAXIMUM UNBRA	
5. FRAMING MEMBERS ARE OF WALL ABOVE THE OPEN	
METAL STUD REF PLANS AND SECTIONS —	
(1) #10 TEK SCREW AT FACH VERTICAL STUD	
20 GA BOTTOM TRACK —	
TOP TRACK REF SCHEDUL	Е
STUD HEADERS REF SCHE	
FINISH AS INDICATED —	
BOTTOM TRACK REF SCHEDULE	
FASTEN HEADER ASSEMBI	IY /
WITH (1) #10 TEK SCREW A	
EACH FLANGE AND 12" OC	
FOR THE LENGTH OF THE HEADER	

HEADER

LENGTH

UP TO 4'-0"

UP TO 10'-0"

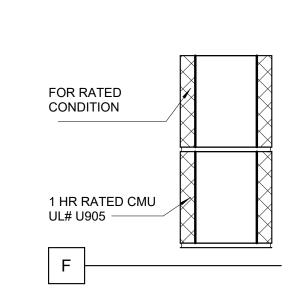
INTERIOR NON-LOAD BEARING PARTITION HEADER SCHEDULE

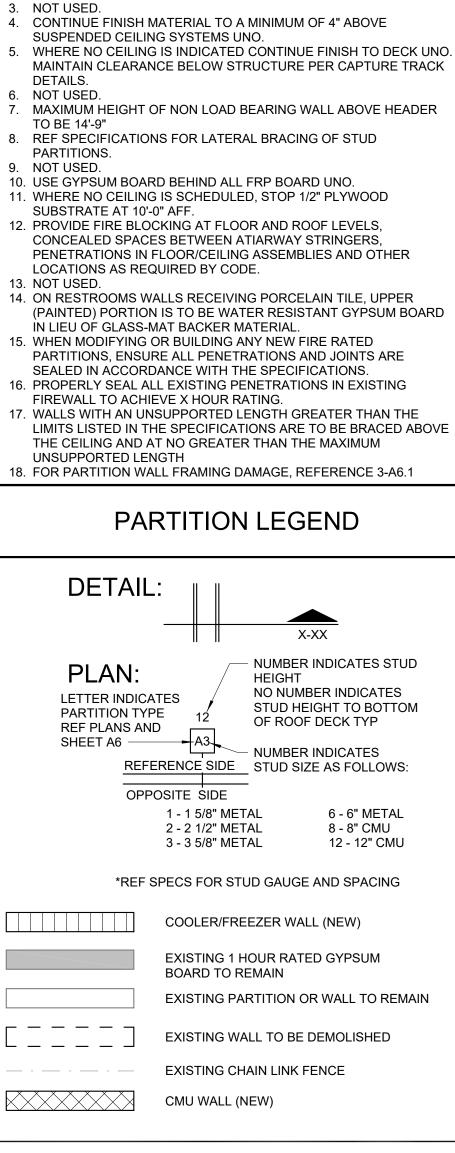
HEADER

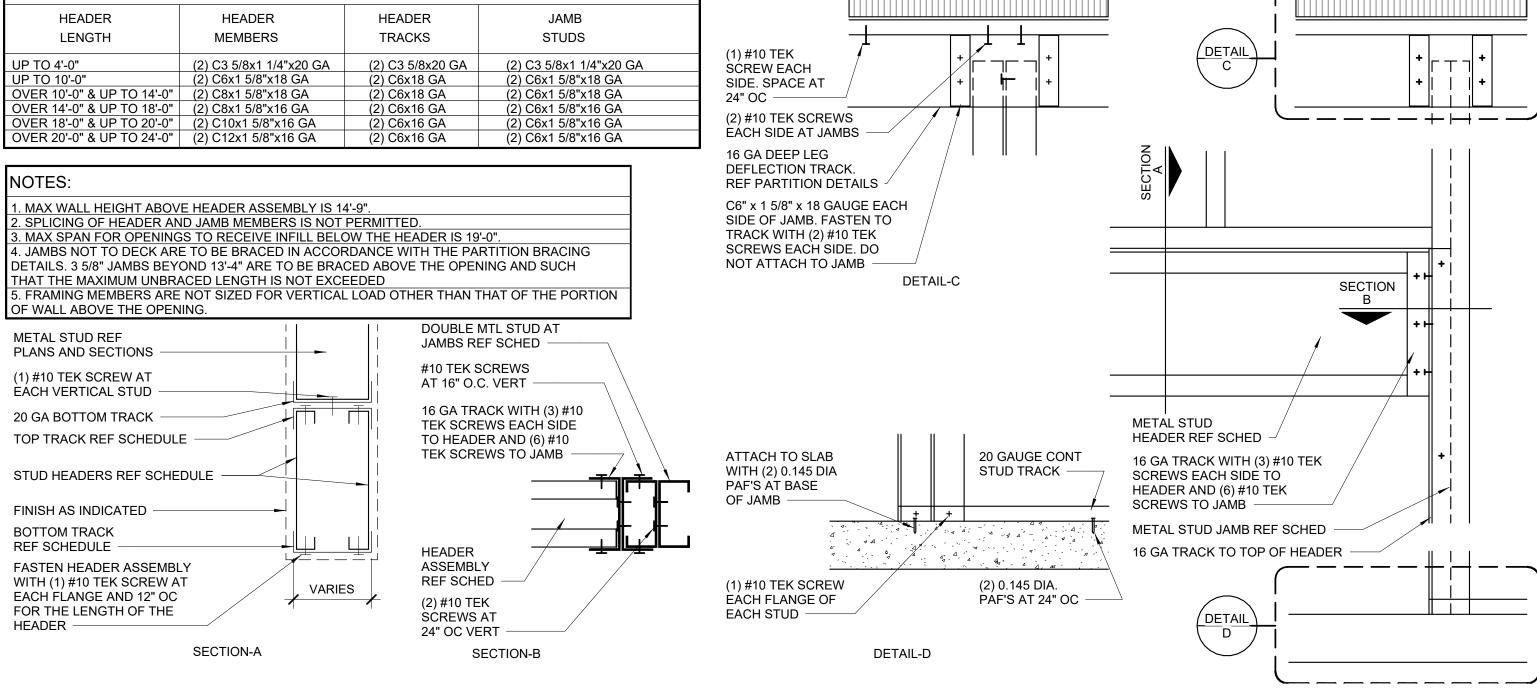
MEMBERS

# PARTITION NOTES

# PARTITION TYPES







EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL

DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTACTOR SHALL FIELD VERIFY ALL EXISTING

STUDS CONTINUE TO DECK UNO. REF CAPTURE TRACK DETAILS. 2. USE 1/2" GYPSUM BOARD ON NON-RATED PARTITIONS UNO.

# X-XX

- NUMBER INDICATES STUD NO NUMBER INDICATES STUD HEIGHT TO BOTTOM OF ROOF DECK TYP - NUMBER INDICATES

# 6 - 6" METAL 8 - 8" CMU 12 - 12" CMU

EXISTING PARTITION OR WALL TO REMAIN

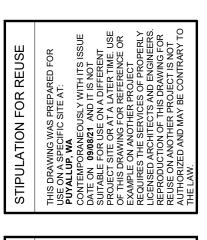
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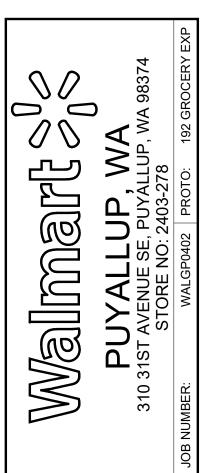
EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT HIMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILI CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS. 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.

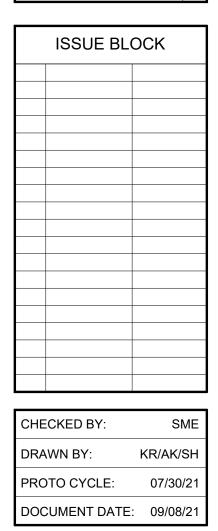


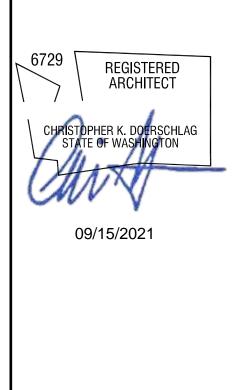
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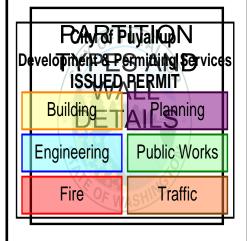






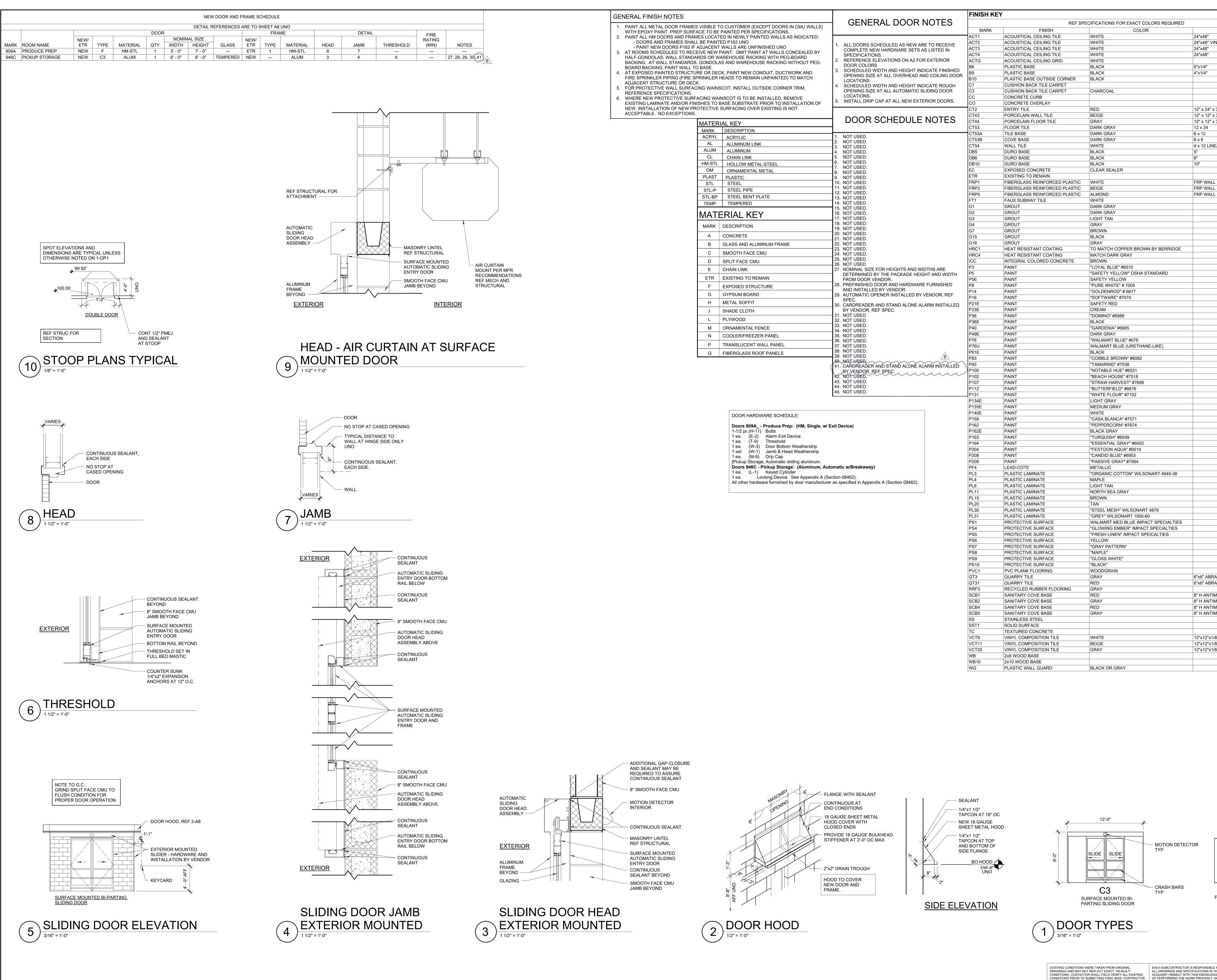
PRCA20231436

DOCUMENTS THAT DO NOT HAVE THE ARCHITECT OR ENGINEER OF RECORD SEAL AND SIGNATURE SHALL BE CONSIDERED NOT FOR CONSTRUCTION



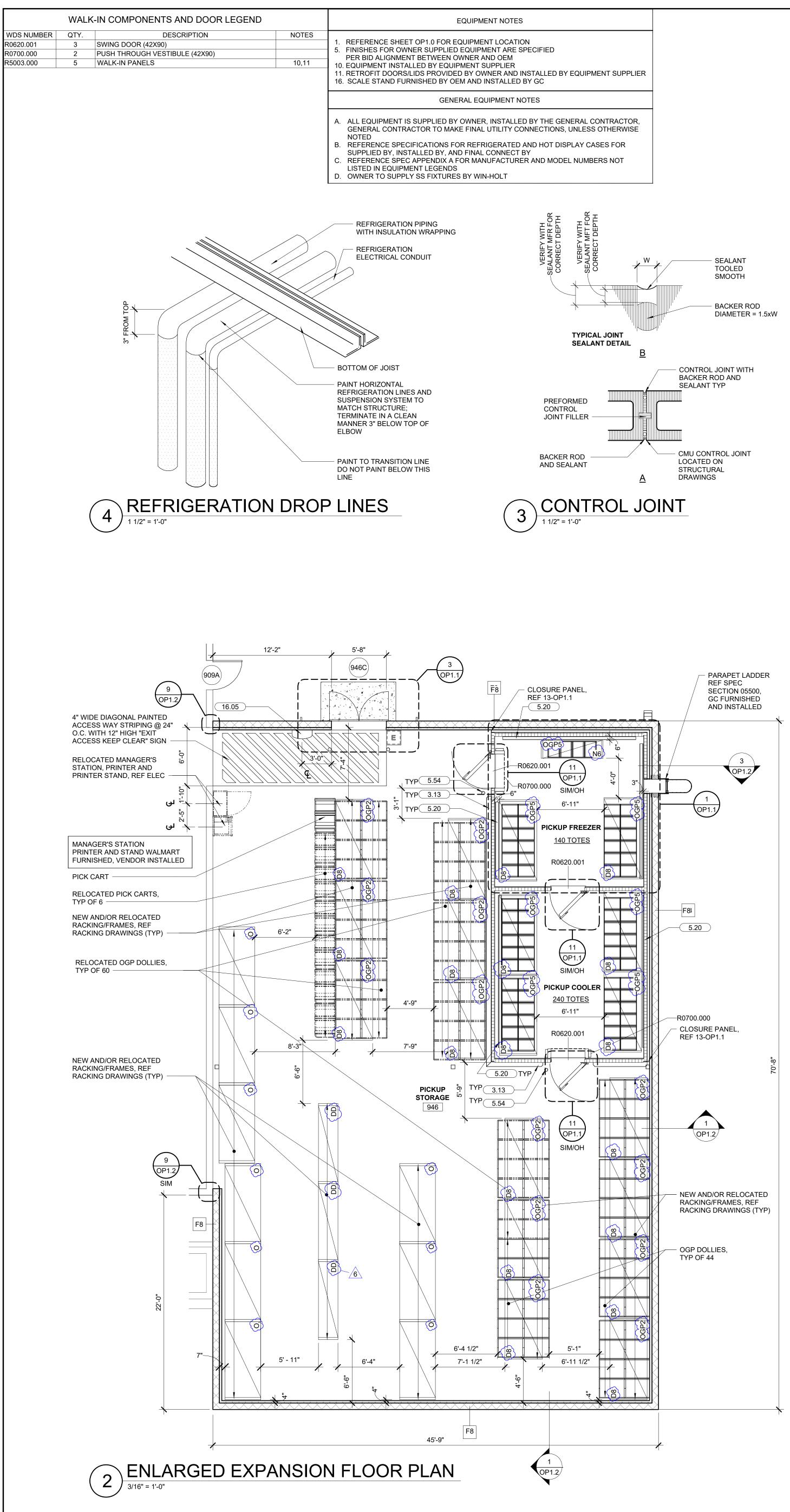
A6.1

SHEET:



		FINISH KEY	,		
	GENERAL DOOR NOTES			CIFICATIONS FOR EXACT COLORS REQUIRED	
CMU WALLS)		MARK	FINISH	COLOR	
NDICATED:		ACT1		WHITE	24"x48"
	1. ALL DOORS SCHEDULED AS NEW ARE TO RECEIVE	ACT2 ACT3	ACOUSTICAL CEILING TILE ACOUSTICAL CEILING TILE	WHITE	24"x48" VINY 24"x48"
CEALED BY DARD	COMPLETE NEW HARDWARE SETS AS LISTED IN SPECIFICATIONS.	ACT4	ACOUSTICAL CEILING TILE	WHITE	24"x48"
HOUT PEG-	2. REFERENCE ELEVATIONS ON A2 FOR EXTERIOR DOOR COLORS	ACTG	ACOUSTICAL CEILING GRID	WHITE	
RK AND	3. SCHEDULED WIDTH AND HEIGHT INDICATE FINISHED	B6 B9	PLASTIC BASE	BLACK	6"x1/4" 4"x1/4"
MATCH	OPENING SIZE AT ALL OVERHEAD AND COILING DOOR LOCATIONS	B10	PLASTIC BASE OUTSIDE CORNER	BLACK	4 × 1/4
RIM,	4. SCHEDULED WIDTH AND HEIGHT INDICATE ROUGH	C1	CUSHION BACK TILE CARPET		
	OPENING SIZE AT ALL AUTOMATIC SLIDING DOOR LOCATIONS.	C3	CUSHION BACK TILE CARPET	CHARCOAL	
VE LLATION OF	5. INSTALL DRIP CAP AT ALL NEW EXTERIOR DOORS.	CC CO	CONCRETE CURB CONCRETE OVERLAY		
Г		CT2	ENTRY TILE	RED	12" x 24" x 3/8
	DOOR SCHEDULE NOTES	CT43		BEIGE	12" x 12" x 3/8
		CT44 CT53	PORCELAIN FLOOR TILE FLOOR TILE	GRAY DARK GRAY	12" x 12" x 3/8
	1. NOT USED.	CT53A	TILE BASE	DARK GRAY	6 x 12
	2. NOT USED.	CT53B	COVE BASE	DARK GRAY	6 x 6
	3. NOT USED. 4. NOT USED.	CT54 DB5	WALL TILE DURO BASE	WHITE BLACK	4 x 12 LINEAF
	5. NOT USED.	DB6	DURO BASE	BLACK	6"
	6. NOT USED. 7. NOT USED.	DB10	DURO BASE	BLACK	10"
	8. NOT USED.	EC ETR	EXPOSED CONCRETE EXISTING TO REMAIN	CLEAR SEALER	
	9. NOT USED. 10. NOT USED.	FRP1	FIBERGLASS REINFORCED PLASTIC	WHITE	FRP WALL PA
	11. NOT USED.	FRP2	FIBERGLASS REINFORCED PLASTIC	BEIGE	FRP WALL PA
	12. NOT USED. 13. NOT USED.	FRP5 FT1	FIBERGLASS REINFORCED PLASTIC FAUX SUBWAY TILE	ALMOND WHITE	FRP WALL PA
	14. NOT USED. 15. NOT USED.	G1	GROUT	DARK GRAY	
	16. NOT USED.	G2	GROUT	DARK GRAY	
	17. NOT USED. 18. NOT USED.	G3	GROUT		
	19. NOT USED.	G4 G7	GROUT	GRAY BROWN	
	20. NOT USED. 21. NOT USED.	G15	GROUT	BLACK	
	22. NOT USED.	G16	GROUT	GRAY	
	23. NOT USED. 24. NOT USED.	HRC1 HRC4	HEAT RESISTANT COATING HEAT RESISTANT COATING	TO MATCH COPPER BROWN BY BERRIDGE MATCH DARK GRAY	
	25. NOT USED.	ICC	INTEGRAL COLORED CONCRETE	BROWN	
	26. NOT USED 27. NOMINAL SIZE FOR HEIGHTS AND WIDTHS ARE	P3	PAINT	"LOYAL BLUE" #6510	
	DETERMINED BY THE PACKAGE HEIGHT AND WIDTH	P5 P5E	PAINT	"SAFETY YELLOW" OSHA STANDARD	
	FROM DOOR VENDOR. 28. PREFINISHED DOOR AND HARDWARE FURNISHED	PSE P8	PAINT	SAFETY YELLOW "PURE WHITE" # 7005	
	AND INSTALLED BY VENDOR. 29. AUTOMATIC OPENER INSTALLED BY VENDOR, REF	P14	PAINT	"GOLDENROD" # 6677	
	SPEC.	P16	PAINT	"SOFTWARE" #7074	
	30. CARDREADER AND STAND ALONE ALARM INSTALLED BY VENDOR, REF SPEC.	P21E P33E	PAINT	SAFETY RED CREAM	
	31. NOT USED	P36	PAINT	"DOMINO" #6989	
	32. NOT USED 33. NOT USED.	P36E	PAINT	BLACK	
	34. NOT USED.	P40 P49E	PAINT	"GARDENIA" #6665 DARK GRAY	
	35. NOT USED. 36. NOT USED.	P76	PAINT	"WALMART BLUE" #076	
	37. NOT USED.	P76U	PAINT	WALMART BLUE (URETHANE-LIKE)	
	38. NOT USED.	P81E P83	PAINT	BLACK COBBLE BROWN" #6082	
	40. NOT USED. 41. CARDREADER AND STAND ALONE ALARM INSTALLED	P93	PAINT	"TAMARIND" #7538	
S	BY VENDOR, REF SPEC.	P100	PAINT	"NOTABLE HUE" #6521	
	42. NOT USED. 43. NOT USED.	P102	PAINT	"BEACH HOUSE" #7518	
	44. NOT USED.	P107 P112	PAINT	"STRAW HARVEST" #7698 "BUTTERFIELD" #6676	
	45. NOT USED.	P131	PAINT	"WHITE FLOUR" #7102	
		P134E	PAINT	LIGHT GRAY	
		P135E P140E	PAINT	MEDIUM GRAY WHITE	
Ξ:		P159	PAINT	"CASA BLANCA" #7571	
(HM, Single, w/ E	xit Device)	P162	PAINT	"PEPPERCORN" #7674	
се		P162E P163	PAINT	BLACK GRAY "TURQUISH" #6939	
		P164	PAINT	"ESSENTIAL GRAY" #6002	
eatherstrip Veatherstrip		P204	PAINT	"FESTOON AQUA" #0019	
		P208	PAINT	"CANDID BLUE" #6953	
ng aluminum. <b>(Aluminum, Auto</b>	omatic w/Breakaway)	P209 PF4	PAINT LEAD-COTE	"PASSIVE GRAY" #7064 METALLIC	
Appendix A (Sec	ntion 09462)	PL3	PLASTIC LAMINATE	"ORGANIC COTTON" WILSONART 4945-38	
e Appendix A (Sec door manufacturer	as specified in Appendix A (Section 08462).	PL4		MAPLE	
		PL6 PL11	PLASTIC LAMINATE PLASTIC LAMINATE	LIGHT TAN NORTH SEA GRAY	
		PL15	PLASTIC LAMINATE	BROWN	
		PL20	PLASTIC LAMINATE	TAN	
		PL30 PL31	PLASTIC LAMINATE	"STEEL MESH" WILSONART 4879 "GREY" WILSONART 1500-60	
		PS1	PROTECTIVE SURFACE	WALMART MED BLUE IMPACT SPECIALTIES	
		PS4	PROTECTIVE SURFACE	"GLOWING EMBER" IMPACT SPECIALTIES	
		PS5		"FRESH LINEN" IMPACT SPEICALTIES	
		PS6 PS7	PROTECTIVE SURFACE PROTECTIVE SURFACE	YELLOW "GRAY PATTERN"	
		PS8	PROTECTIVE SURFACE	"MAPLE"	
		PS9		"GLOSS WHITE"	
		PS10 PVC1	PROTECTIVE SURFACE PVC PLANK FLOORING	"BLACK" WOODGRAIN	
		QT3	QUARRY TILE	GRAY	6"x6" ABRASI
		QT31		RED	6"x6" ABRASI
		RRF3 SCB1	RECYCLED RUBBER FLOORING SANITARY COVE BASE	GRAY RED	8" H ANTIMIC
		SCB1 SCB2	SANITARY COVE BASE	GRAY	8" H ANTIMIC
		SCB4	SANITARY COVE BASE	RED	8" H ANTIMIC
		SCB5 SS	SANITARY COVE BASE STAINLESS STEEL	GRAY	8" H ANTIMIC
		SS SST1	SOLID SURFACE		
		тс	TEXTURED CONCRETE		
		VCT9		WHITE	12"x12"x1/8"
		VCT11 VCT20	VINYL COMPOSITION TILE	BEIGE GRAY	12"x12"x1/8" 12"x12"x1/8"
		WB	2x8 WOOD BASE		
		WB10	2x10 WOOD BASE		
		WG	PLASTIC WALL GUARD	BLACK OR GRAY	

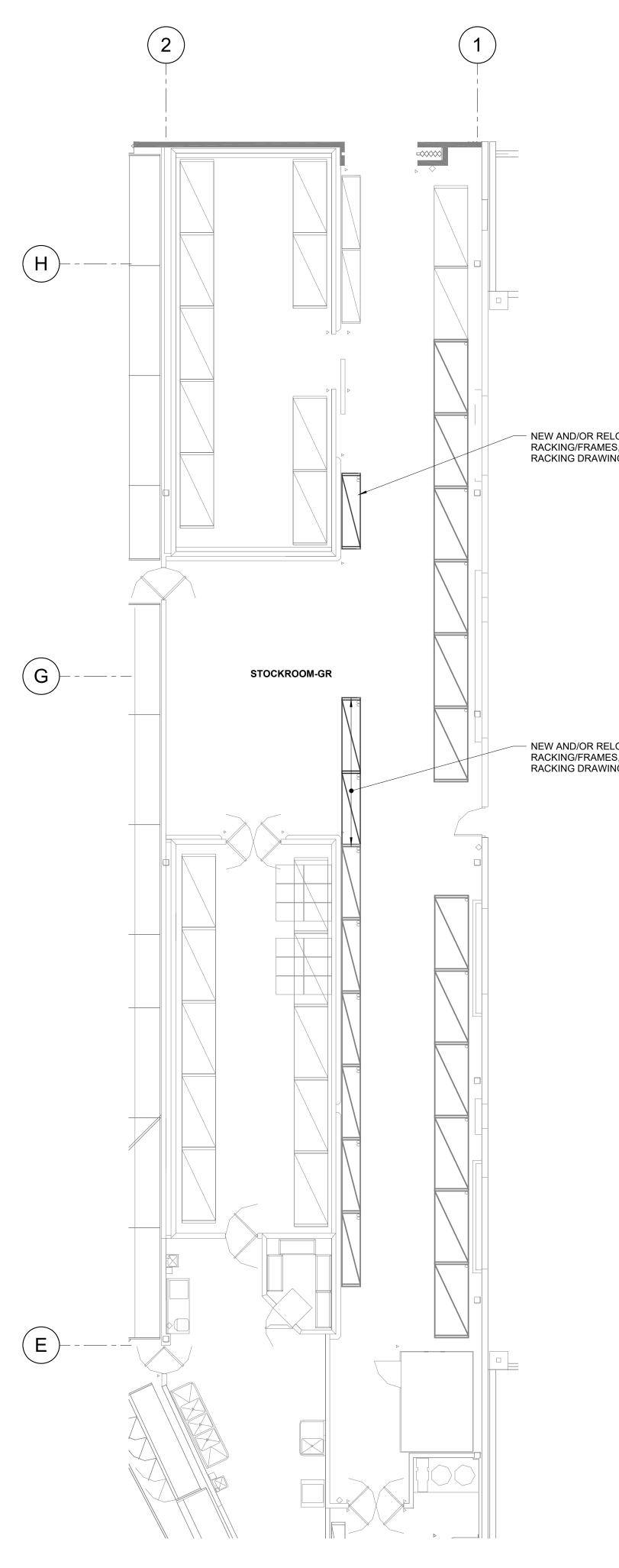
DESCRIPTION	innevatien at scale
	7007 DISCOVERY BLVD DUBLIN, OH 43017
3/8" 3/8" 3/8"	614.634.7000 T WDPARTNERS.COM
AR	STIPULATION FOR REUSE THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT: <b>PUYALLUP, WA</b> CONTEMPORANEOUSLY WITH IT'S ISSUE DATE ON <b>D90821</b> AND IT'S ISSUE SUITABLE FOR USE ON A DIFFERENT PROLECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REURES ON ANOTHER PROJECT IS NOT REURES ON ANOTHER PROJECT IS NOT THE LAW.
PANEL PANEL PANEL	STIPULATION FOR REU STIPULATION FOR REU THIS DRAWING WAS PREPARED F USE ON A SPECIFIC SITE AT: PUYALLUP, WA CONTEMPORANEOUSLY WITH ITS DATE ON A990821 AND ITIS NOT SUITABLE FOR USE ON AND THE RATE PROJECT SITE OR AT A LATER TIN OF THIS DRAWING FOR REFERENT PROJECT SITE OR AT A LATER TIN OF THIS DRAWING FOR REFERENCE REQUIRES THE SERVICES OF PROJECT REPRODUCTION OF THIS DRAWING REUSE ON ANOTHER PROJECT IS AUTHORIZED AND MAY BE CONTR THE LAW.
	LTANTS
	CONSULTANTS
	Main and Construction       Source         Main and Construction       Source         PUYALUP, WA       98374         STORE NO: 2403-278       192 GROCERY EXP         R:       Waldpage       192 GROCERY EXP
	BUYA 310 31ST AVENU STOR JOB NUMBER: WAI
	ISSUE BLOCK           2         PR#2         03/18/22           6         CCD#3         03/09/23
SIVE SIVE IICROBIAL PLASTIC FOR QT	
IICROBIAL PLASTIC FOR QT IICROBIAL PLASTIC IICROBIAL PLASTIC	CHECKED BY: SME DRAWN BY: MA/AK/SH PROTO CYCLE: 07/30/21 DOCUMENT DATE: 09/08/21
3"	6729 REGISTERED ARCHITECT CHRISTOPHER K, DOERSCHLAG STATE OE WASHINGTON 03/09/2023
	PRCA20231436
	DOCUMENTS THAT DO NOT HAVE THE ARCHITECT OR ENGINEER OF RECORD SEAL AND SIGNATURE SHALL BE CONSIDERED NOT FOR CONSTRUCTION
<b>F</b> FLUSH	DOOR SCom/ En DayallupE,
	Develop the Bernh Hing Service
	BuildingPlanningEngineeringPublic Works
FOR HAVING A THOROUGH KNOWLEDGE OF HEIR RELATED FIELD. THE FAILURE TO	Fire Traffic SHEET:
E DOES NOT RELEVE THE RESPONSIBILITY O ADDITIONAL COMPENSATION SHALL BE OCCUR DUE TO FAILURE TO FAMILIARIZE	A8

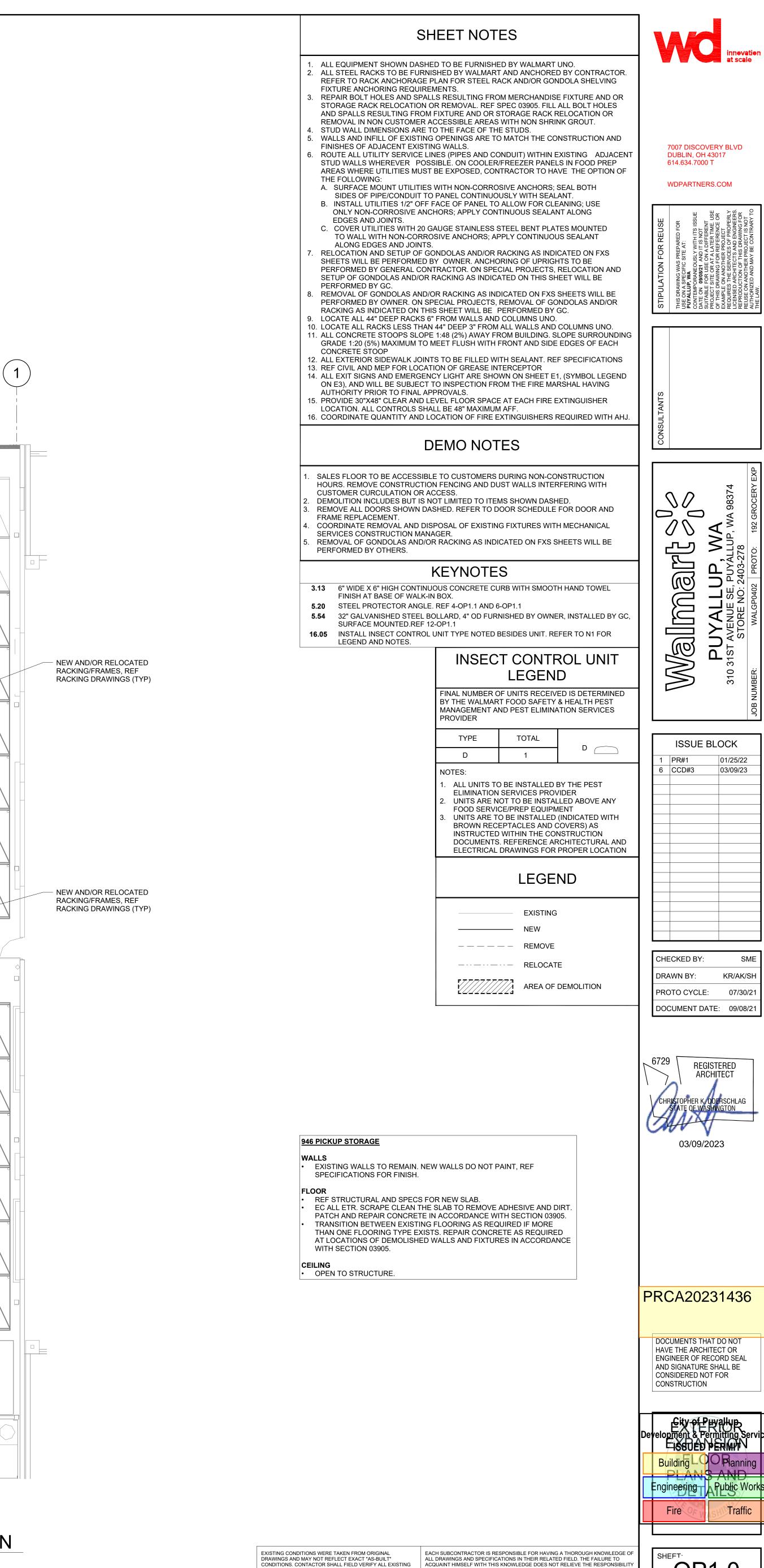


AT EXPOSED PAINTED STRUCTURE OR DECK PAINT NEW CONDUIT, DUCTWORK AND FIRE SPRINKLER PIPING (FIRE SPRINKLER HEADS TO REMAIN UNPAINTED) TO MATCH ADJACENT STRUCTURE OR DECK
SLOPE ALL EXTERIOR SLABS AWAY FROM BUILDING SLOPE. ALL SLOPES SHALL BE A MIN 1:100 (1%) AND SHALL NOT EXCEED 1:48 (2%). ALL SLABS SHALL MEET BUILDING AT ELEVATIONS 100.00 (UNO) WHERE SLAB EDGE MEETS PAVING. COORDINATE TOP OF SLAB WITH CIVIL DRAWINGS.
NOTE: ELECTRICAL, FIRE PROTECTION PIPING & PLUMBING WILL GO THRU EXISTING OPENING, IF AN OPENING EXISTS. REF MEP. IF ONE DOES NOT EXIST, REF STRUCTURAL.
NOTE: ALL PIPING PENETRATIONS THRU WALL ONLY. COORDINATE WITH VENDOR IF ANY PENETRATIONS ARE REQUIRED THRU THE ROOF. REF MEP
REF TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SITE-RELATED SCOPE OF WORK
NOTE: ARCHITECTURAL FINISH FLOOR=100.00' CIVIL FINISH FLOOR =REF CIVIL ALL EXTERIOR DOORS =100.00' UNO
NOTE: PROVIDE CONT. BACKER ROD AND SEALANT FROM SIDES OF CMU AT JUNCTURE OF NEW AND EXISTING CMU WALLS
NEW LOCATION OF RACK BEAMS AND UPRIGHT FRAMES PER FXS SHEETS. REF SHEET NOTES
FOR ENLARGED WALK IN PLAN, REF 2-OP1.1
NOTE : FOR REFRIGERATION LINE DETAIL, REF 4-OP1.0
NOTE : NEW LINERS ONLY INSTALLED ON WALK-IN WALLS. NEW LINERS WILL NOT BE INSTALLED ON WALK-IN CEILING. ALL CEILING JOINTS TO BE SEALED BY THE PANEL VENDOR
NEW EVAPORATORS TO BE FURNISHED BY RACK MANUFACTURER AND INSTALLED BY CONTRACTOR
REF 4-A8 , FOR NEW SLIDER DOOR
REF SHEET OP1.1 FOR PROTECTION

ANGLE DETAILS

AT EXPOSED PAINTED STRUCTURE OR

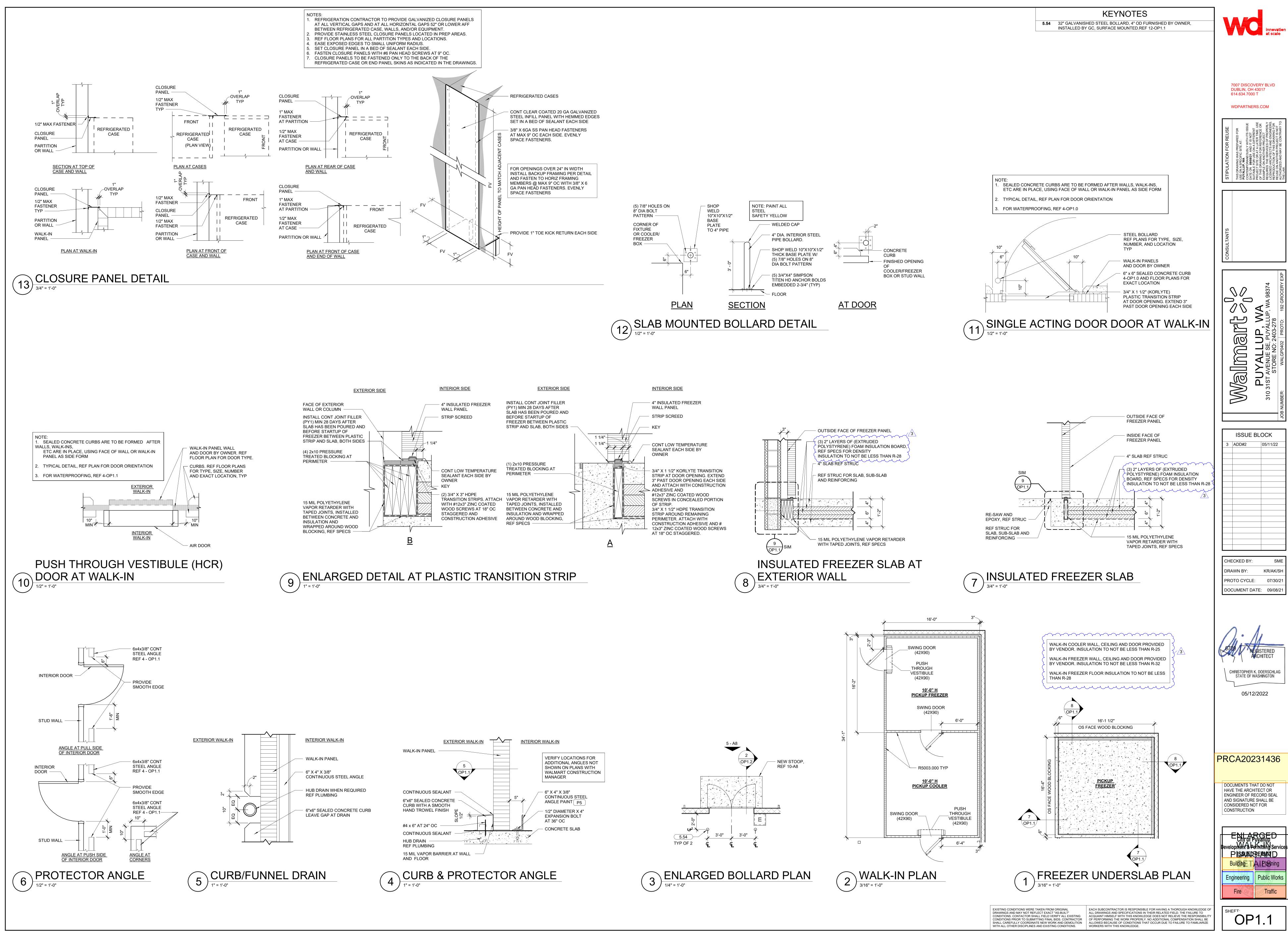


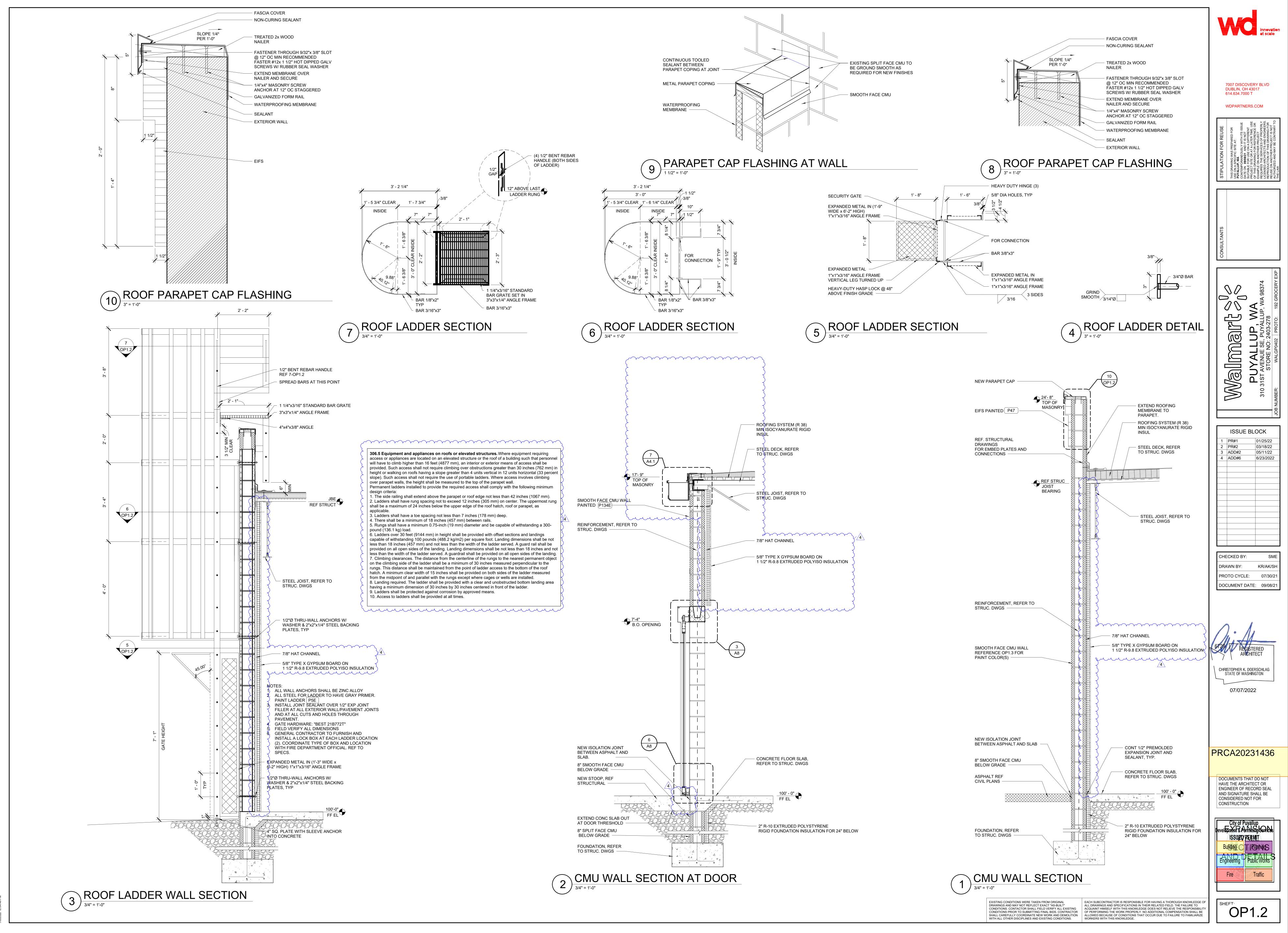


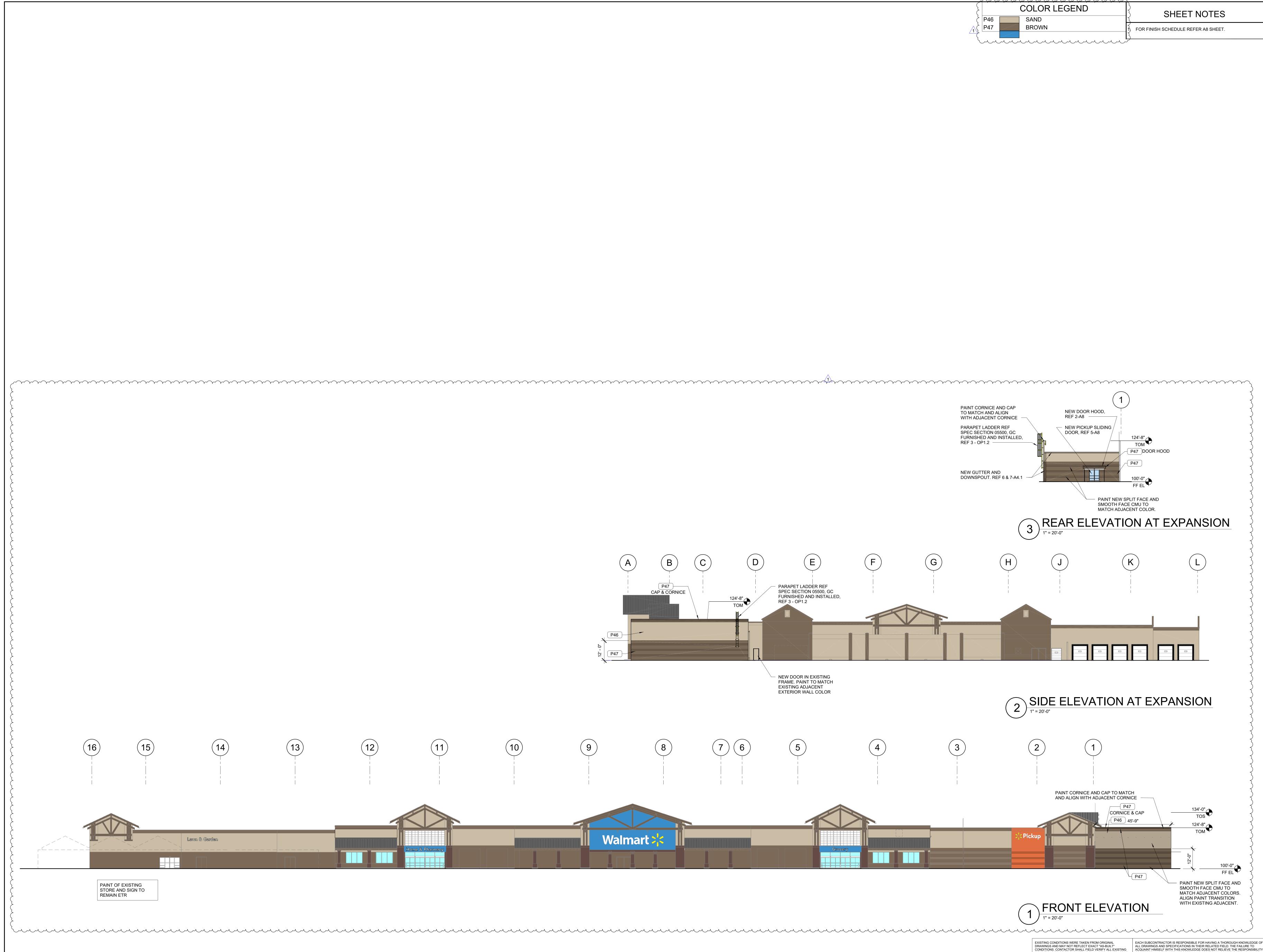
WORKERS WITH THIS KNOWLEDGE.

WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE





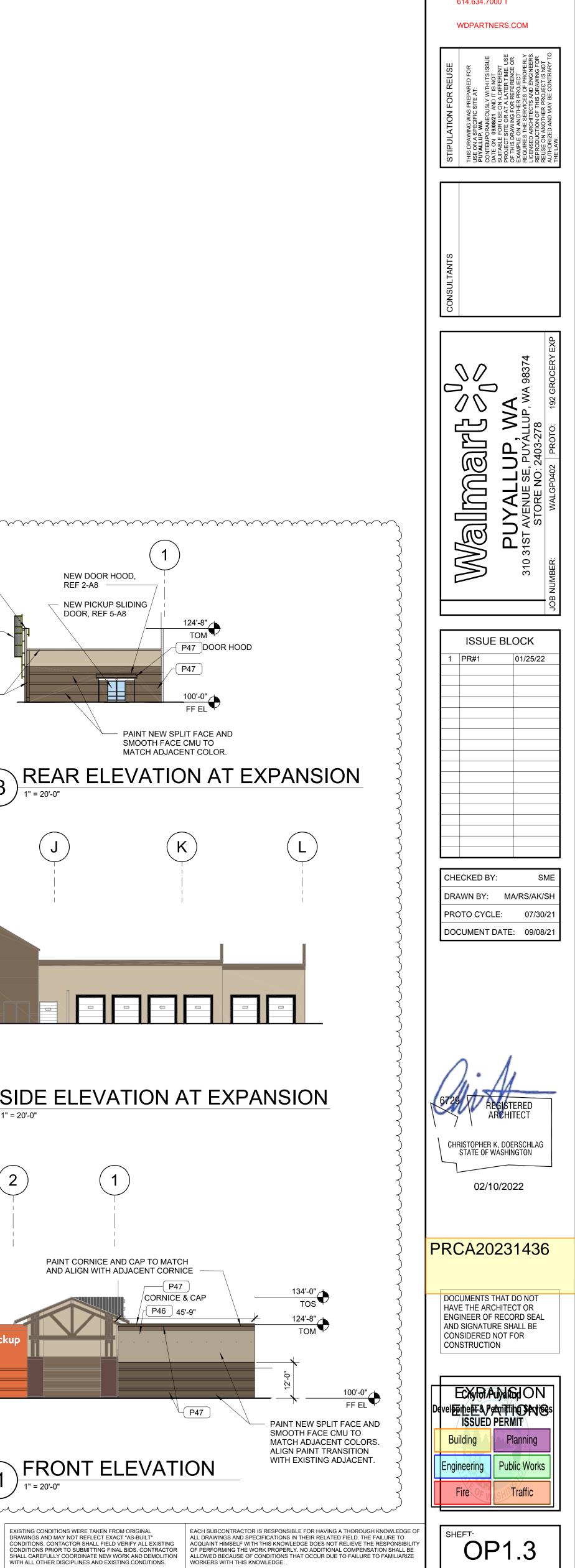


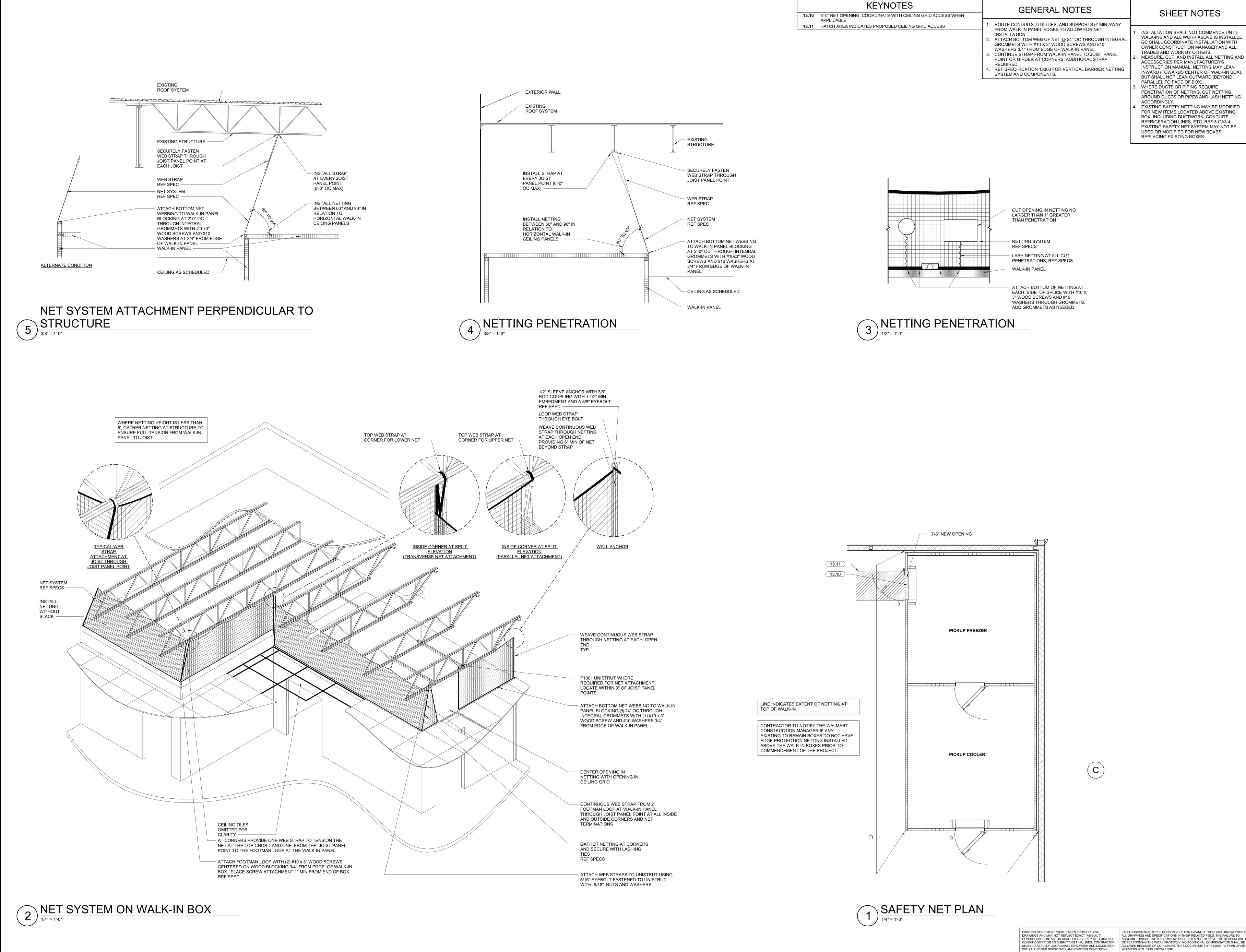
E COLOR LEGEND	SHEET N
Č P46 SAND	
BROWN	TOR FINISH SCHEDULE REFER
	<u> </u>

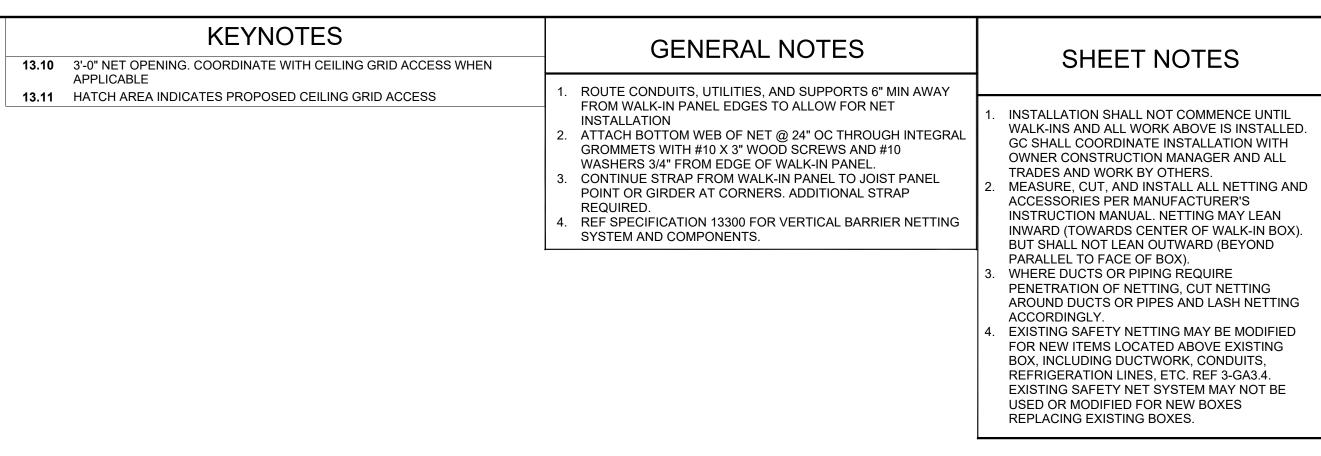


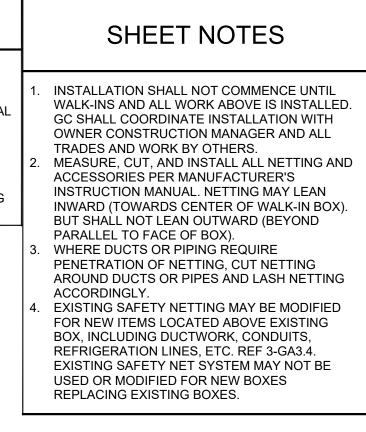


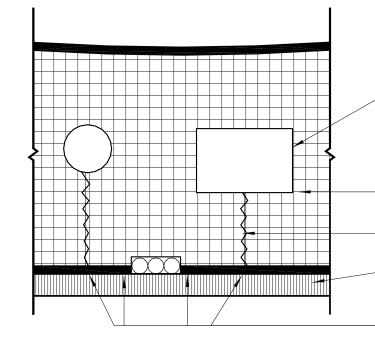
# 7007 DISCOVERY BLVD DUBLIN, OH 43017 614.634.7000 T









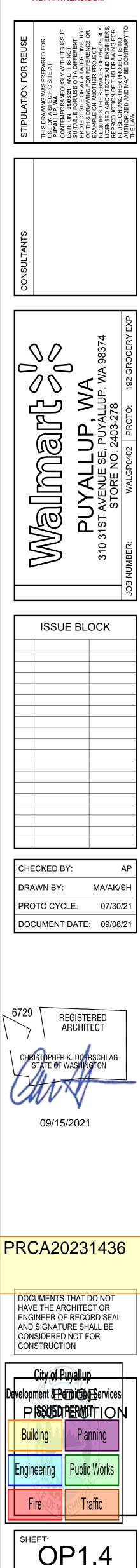




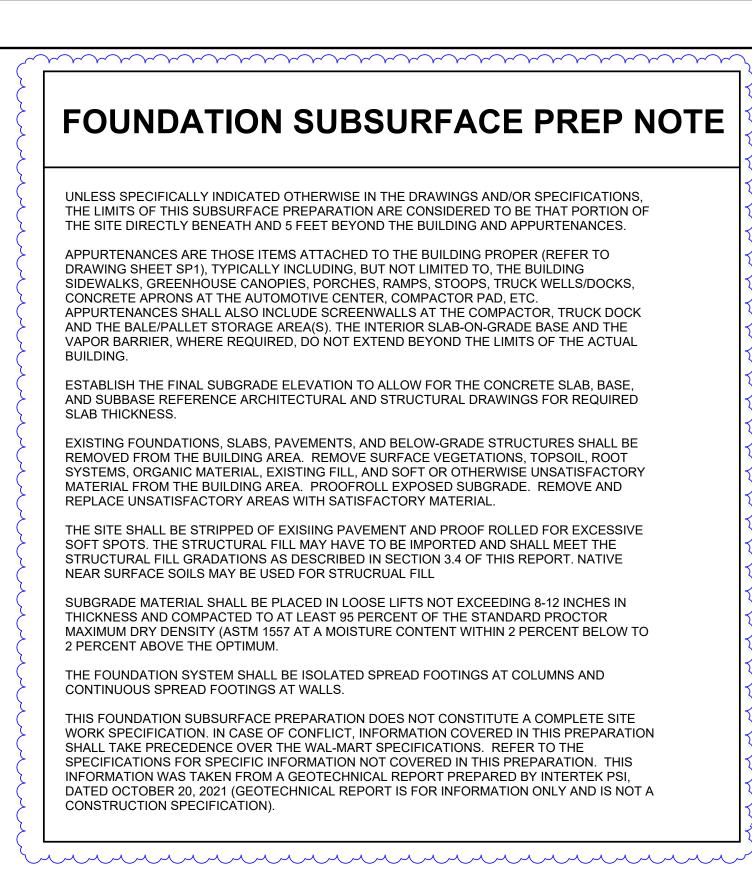


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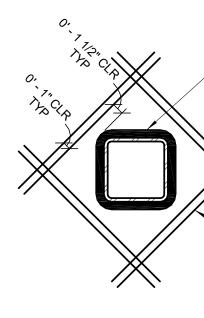


EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT HIMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBIL

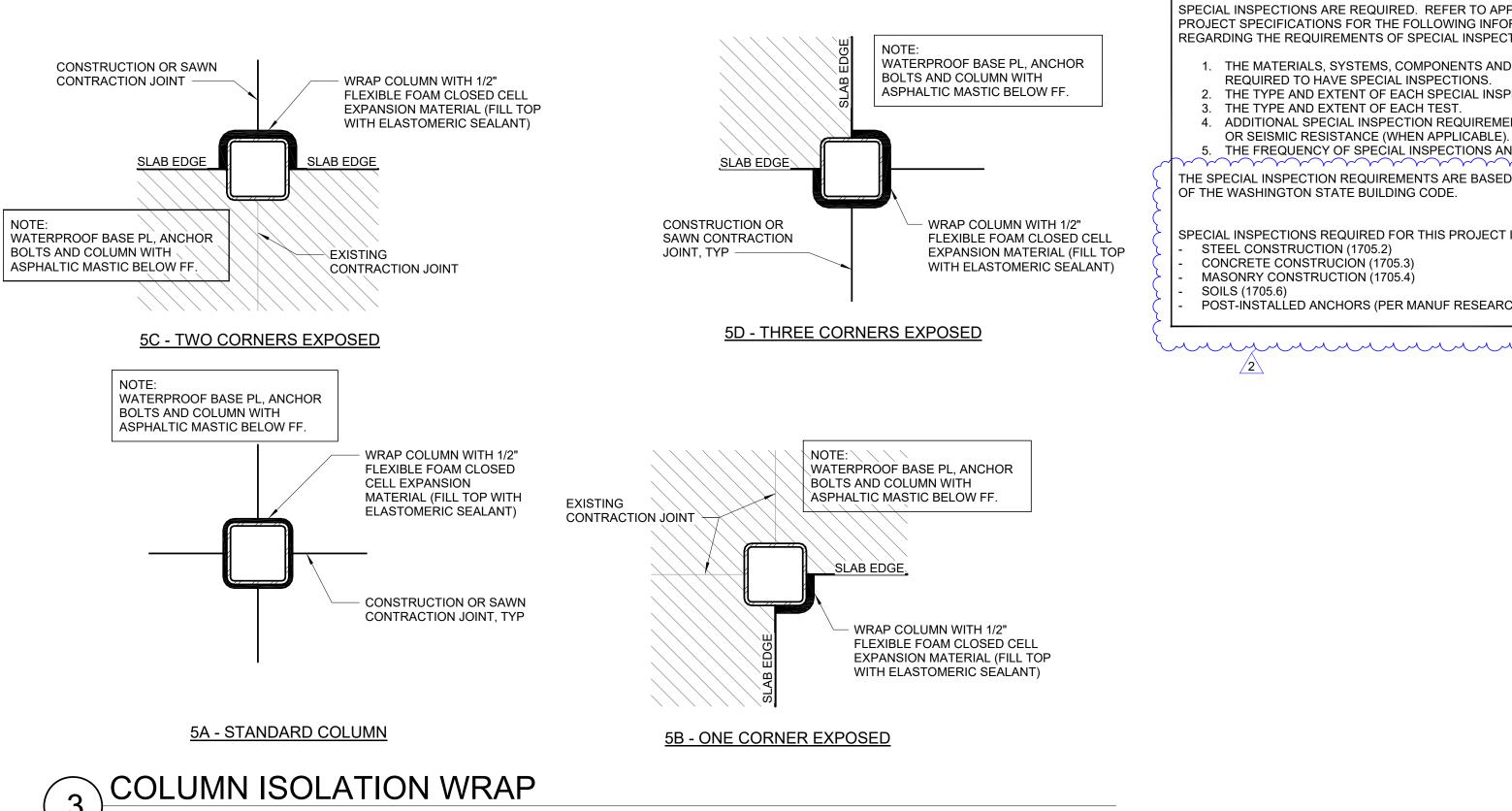


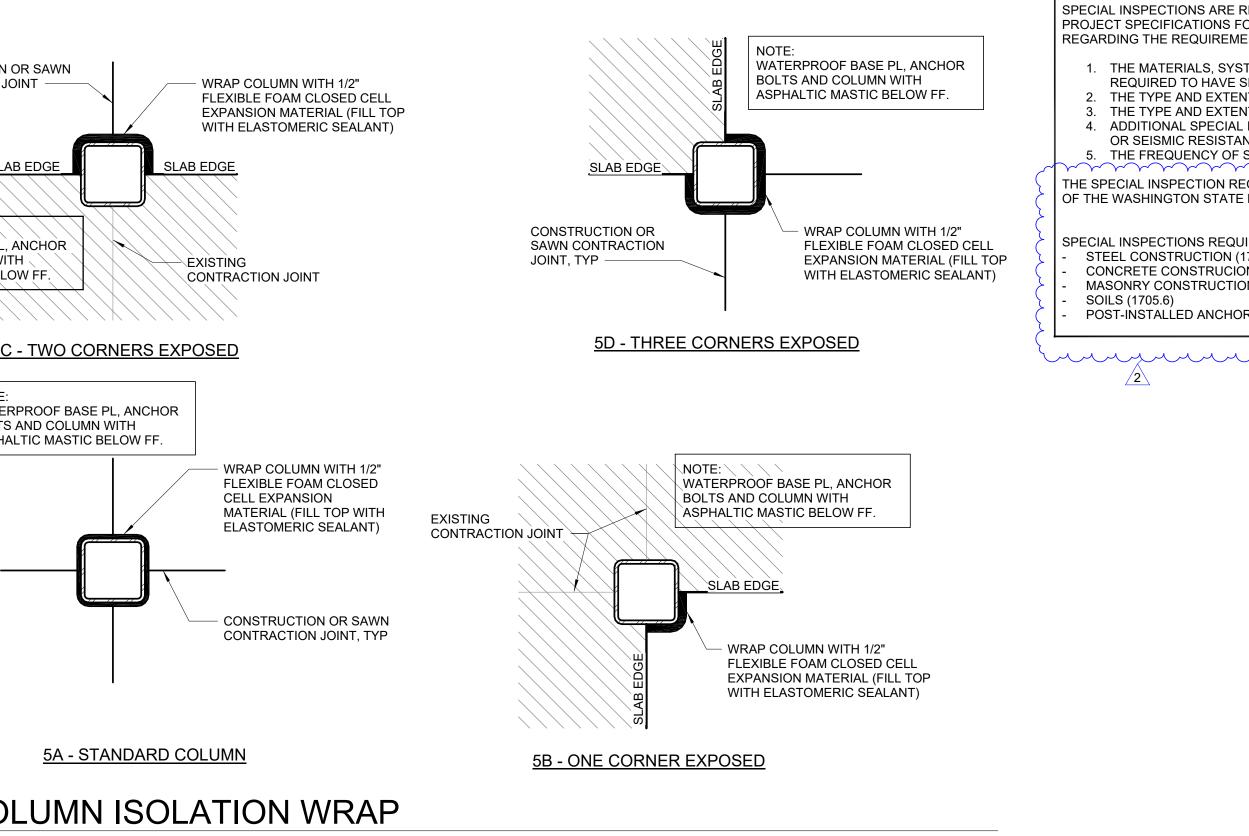
# ABE

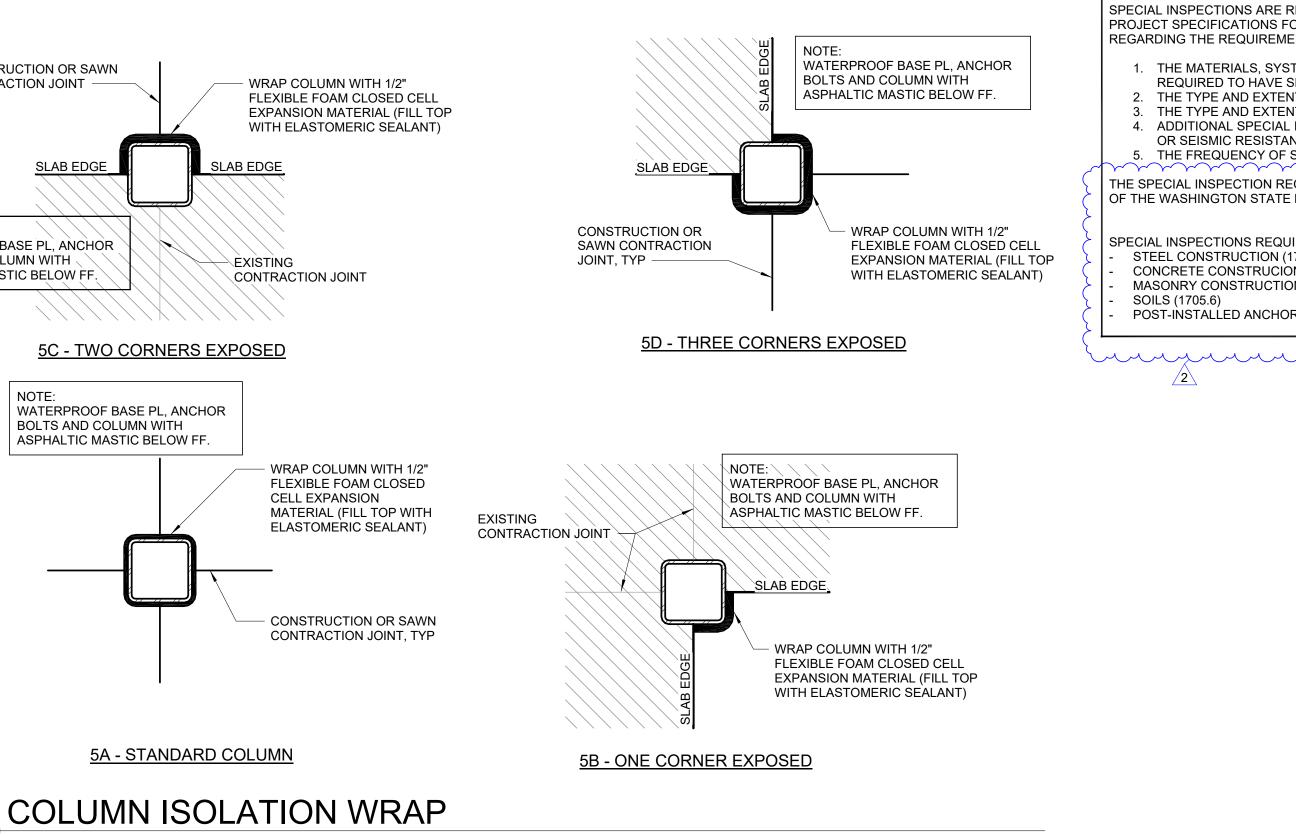
	STEEL REINF LAP SCHEDULE										
				CONCRE	ETE LAP SP	LICE (CLAS	SB) (IN)				СМИ
BAR SIZE	1C = 5 UUUDSI		f'c = 3	,500psi	f'c = 4	000psi	f'c = 4,	ťc = 4,500psi		,000psi	LAP SPLICE
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	(IN)
3	17	16	16	16	16	16	16	16	16	16	20
4	23	18	21	16	20	16	19	16	18	16	26
5	28	22	26	20	25	19	23	18	22	17	32
6	34	26	31	24	29	23	28	21	26	20	39
7	49	38	45	35	43	33	40	31	38	29	45
8	56	43	52	40	49	37	46	35	44	34	52

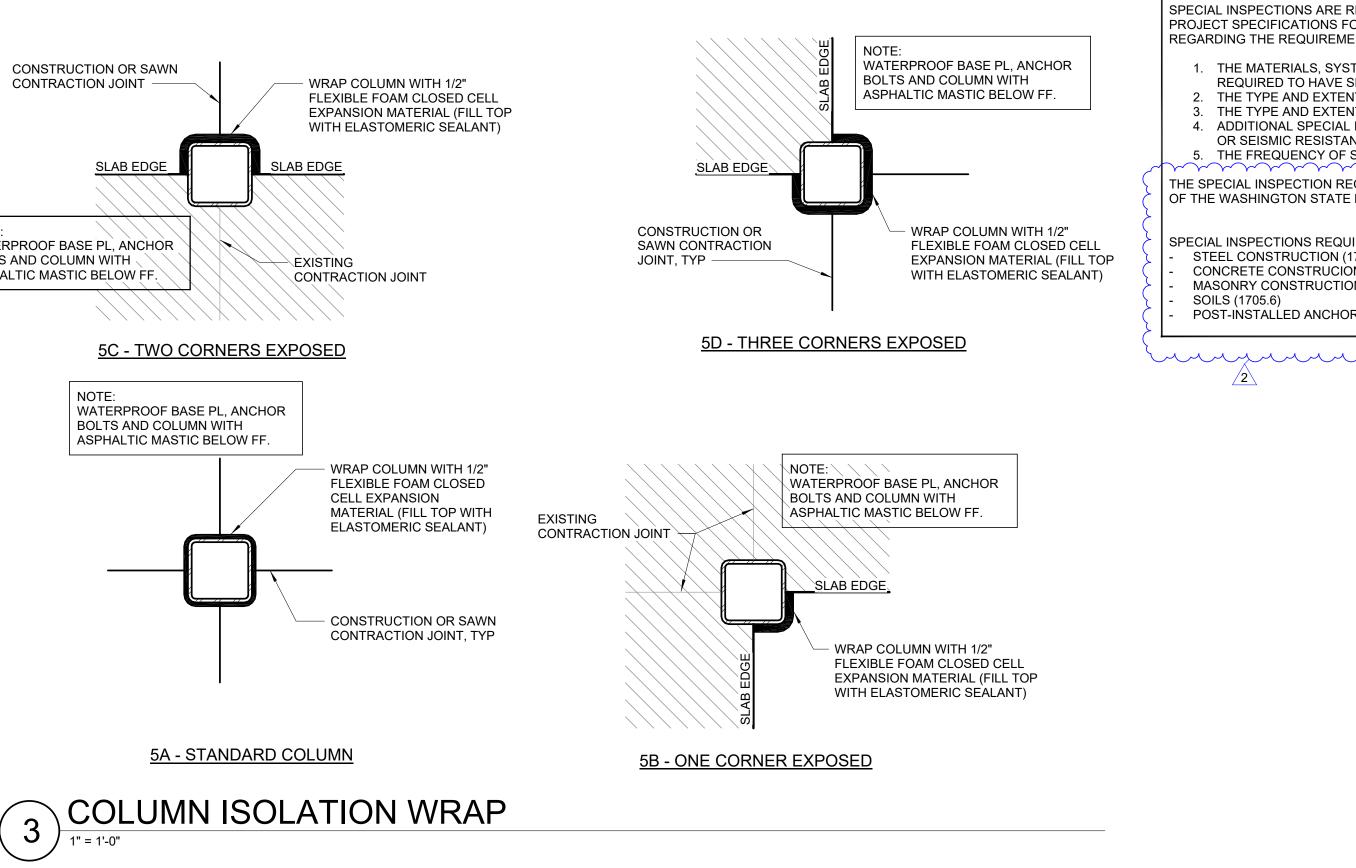


5E - NO JOINT INTERSECTION









	ABBREVIATIONS		ABBREVIATIONS	DESIGN LOADS
AB	ANCHOR BOLT	LLV	LONG LEG VERTICAL	1. BUILDING CODE
ACI	AMERICAN CONCRETE INSTITUTE	LONG	S LONGITUDINAL	A. BUILDING CODE 2018 W
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM	BUILDI
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	MECI		
AISI	AMERICAN IRON AND STEEL INSTITUTE	MFR		2. GRAVITY LOADS
ARCH	ARCHITECTURAL	MIN	MINIMUM	A. ROOF DEAD LOAD 17.8 PS DRAWI
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MISC		DINAWI
AWS	AMERICAN WELDING SOCIETY	MO	MASONRY OPENING	B. ROOF LIVE LOADS
BFF	BELOW FINISHED FLOOR	MTL	METAL	1. ROOF 20 PSF
BL	BLOCK LINTEL	NIC	NOT IN CONTRACT	
BM	BEAM	NO	NUMBER	C. ROOF SNOW LOADS
BO	BOTTOM OF	NS	NEAR SIDE	1. GROUND SNOW LOAD (Pg) 20 PSF
BOM	BOTTOM OF MASONRY	NTS	NOT TO SCALE	2. IMPORTANCE FACTOR (I) 1.0
BOS	BOTTOM OF STEEL	00		3. SNOW EXPOSURE FACTOR (Ce) 1.0
BRG	BEARING	OD		4. ROOF THERMAL FACTOR (Ct) 1.0
CJ		OH		5. FLAT ROOF SNOW LOAD (Pf) (PER CODE) 14.0
CL	CENTER LINE	PAF		
CLR	CLEAR CONCRETE MASONRY UNIT	PCF	POUNDS PER CUBIC FOOT	3. LATERAL LOADS
CMU COL	COLUMN	PL PLF	PLATE POUNDS PER LINEAR FOOT	A. WIND LOADS
COL	CONCRETE	PLUM		1. BASIC WIND SPEED (3-SECOND GUST)
CONC	CONDENSER UNIT	PME		- ULTIMATE DESIGN WIND SPEED 97 MPH
CONST	CONSTRUCTION	PSF	POUNDS PER SQUARE FOOT	- BASIC DESIGN WIND SPEED (SERVICE) 75.14 M
CONT	CONTINUOUS	PSI	POUNDS PER SQUARE INCH	2. WIND EXPOSURE CATEGORY C
DIA	DIAMETER	QTY	QUANITY	3. RISK CATEGORY II
EF	EXHAUST FAN	RAC		
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	REF		B. SEISMIC LOADS (SERVICE)
EJ	EXPANSION JOINT	REIN		1. 5% DAMPED MAPPED ACCELERATION PARAMETER (Ss) 1.261
EL	ELEVATION	REQI		2. 1-SEC PERIOD MAPPED ACCELERATION PARAMETER (S1) 0.435
ELEC	ELECTRICAL	REV	REVERSE	3. 5% DAMPED SPECTRAL RESPONSE COEFF. (Sds) 0.841
EQ	EQUAL	RO	ROUGH OPENING	4. 1-SEC PERIOD SPECTRAL RESPONSE COEFF. (Sd1) 0.541 (F
ETR	EXISTING TO REMAIN	RTU		OF ASC FOR MI
EW	EACH WAY	SCHE	D SCHEDULE	FOR Cs
FDN	FOUNDATION	SDI	STEEL DECK INSTITUTE	SECTIO
FF	FINISHED FLOOR	SIM	SIMILAR	5. SITE CLASS D (SOIL
FS	FAR SIDE	SJI	STEEL JOIST INSTITUTE	M6-RISK GATEGORY
FTG	FOOTING	SPCS	S SPACES	7. IMPORTANCE FACTOR (le) 1.0
FV	FIELD VERIFY	SPEC	S SPECIFICATIONS	8. SEISMIC DESIGN CATEGORY D
GA	GAUGE	STRU	C STRUCTURAL	9. SEISMIC RESISTING SYSTEM SPECIA
GC	GENERAL CONTRACTOR	T&B	TOP AND BOTTOM	MASON
н	HEIGHT	THK		
HORIZ	HORIZONTAL	то	TOP OF	
HSA	HEADED STUD ANCHOR	TOC		
HSS	HOLLOW STRUCTURAL SHAPE	TOF	TOP OF FOOTING	
INFO	INFORMATION	TOM		
ISO	ISOLATION	TOS		
JBE	JOIST BEARING ELEVATION	TOW		
JST	JOIST	TRAN		
JT		TYP	-	
KSI	KIPS PER SQUARE INCH			
		VER		
LB		W		
LLH	LONG LEG HORIZONTAL	WP	WORK POINT	

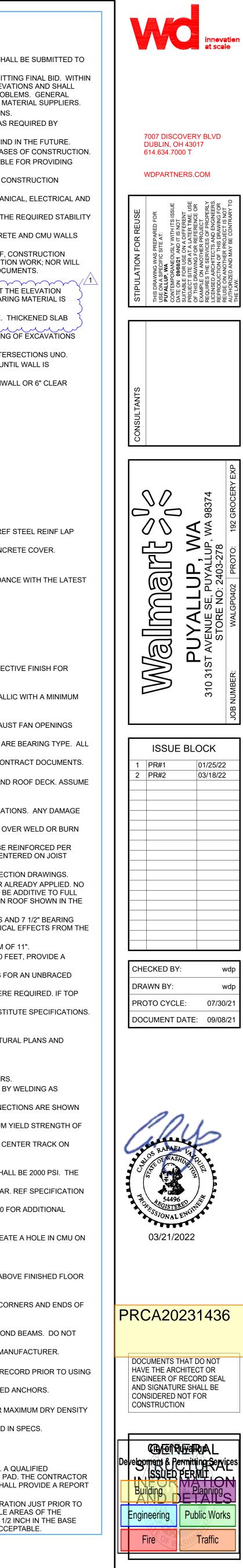
# WRAP COLUMN WITH 1" FLEXIBLE FOAM CLOSED CELL EXPANSION MATERIAL (FILL TOP WITH ELASTOMERIC SEALANT)

NOTE: WATERPROOF BASE PL, ANCHOR BOLTS AND COLUMN WITH ASPHALTIC MASTIC BELOW FF.

(2) #4x2'-0" BARS PLACED 1 1/2" BELOW TOP OF SLAB AT EACH CORNER OF COLUMN (DO NOT ALLOW REINF TO CROSS JOINT), TYP

DESIGN LOADS	S	GENERAL NOTES
DDE	2018 WASHINGTON STATE BUILDING CODE (ASCE 7-16)	GENERAL 1. FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHOWN OR IMPLIED BY THESE DRAWINGS. SHOP DRAWINGS SHA THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.
LOAD	17.8 PSF (PER EXISTING DRAWINGS)	2. EXISTING CONDITIONS SHOWN MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. BIDDERS SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMIT ONE WEEK FROM THE START OF CONSTRUCTION DATE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING MATERIAL, MEASUREMENTS, AND ELEV NOTIFY THE ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE OWNER'S CONSTRUCTION MANAGER OF ANY DISCREPANCIES OR FORESEEN PROI CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD MEASUREMENTS, EXISTING CONDITIONS, AND KNOWN COMPLICATIONS WITH THE M
OADS	20 PSF (MIN OR SNOW LOAD)	<ol> <li>GENERAL CONTRACTOR SHALL CAREFULLY COORDINATE DEMOLITION AND NEW CONSTRUCTION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITION 4. GENERAL CONTRACTOR SHALL PROTECT EXISTING STRUCTURES, UTILITIES, PROPERTY, ETC DURING CONSTRUCTION. RESTORE ALL ITEMS DAMAGED, AS OWNER'S REPRESENTATIVE, TO THE OWNER'S SATISFACTION AT NO COST TO OWNER OR WITHOUT EXTENSION OF CONTRACT TIME.</li> </ol>
V LOADS SNOW LOAD (Pg)	20 PSF	<ol> <li>5. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING OR CREATING DAMAGE OF ANY KIN</li> <li>6. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SUPPORT AND MAINTAINING STABLITY OF EXISTING STRUCTURE DURING ALL PHAS</li> <li>7. BEFORE OR CONCURRENT WITH ANY EXCAVATIONS ADJACENT TO THE EXISTING BUILDING FOUNDATION OR SLAB, GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SUPPORT AND MAINTAINING STABLITY OF EXISTING STRUCTURE DURING ALL PHAS</li> <li>7. BEFORE OR CONCURRENT WITH ANY EXCAVATIONS ADJACENT TO THE EXISTING BUILDING FOUNDATION OR SLAB, GENERAL CONTRACTOR IS RESPONSIBILIED TEMPORARY SUPPORT FOR THE BASE AND SUBGRADE OF THE EXISTING SLAB AND FOUNDATIONS TO PREVENT UNDERMINING.</li> </ol>
NCE FACTOR (I) (POSURE FACTOR (Ce) ERMAL FACTOR (Ct)	1.0 1.0 1.0	<ol> <li>8. GENERAL CONTRACTOR SHALL PROVIDE FIRE PROTECTION FOR THE EXISTING STRUCTURE AND BUILDING CONTENTS DURING WELDING OR ANY OTHER C ACTIVITY THAT GENERATES SPARKS OR INTENSE HEAT.</li> <li>9. GENERAL CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF EQUIPMENT PADS AND PENETRATIONS THROUGH THE STRUCTURE FOR MECHAN</li> </ol>
DF SNOW LOAD (Pf) (PER CODE)	14.0	PLUMBING WORK. 10. STEEL FRAMING IS NON-SELF SUPPORTING AND REQUIRES INTERACTION WITH OTHER ELEMENTS NOT CLASSIFIED AS STRUCTURAL STEEL TO PROVIDE TH AND RESISTANCE TO LATERAL FORCES.
3 ND SPEED (3-SECOND GUST) DESIGN WIND SPEED	97 MPH	<ol> <li>THE STEEL FRAMING AND ALL CONCRETE AND CMU WALLS SHALL BE TEMPORARILY BRACED UNTIL ALL STEEL BRACING, FLOOR AND DECKS, AND CONCRE HAVE BEEN INSTALLED AND ALL CONNECTIONS BETWEEN THESE ELEMENTS HAVE BEEN MADE.</li> <li>THE STRUCTURAL ENGINEER OF RECORD, ITS EMPLOYEES, AND REPRESENTATIVES SHALL NOT BE RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTI</li> </ol>
IGN WIND SPEED (SERVICE) POSURE CATEGORY EGORY	75.14 MPH C II	THEY BE RESPONSIBLE FOR ANY FAILURE BY THE CONTRACTOR TO PERFORM OR COMPLETE CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOC FOUNDATIONS 1. FOOTING DESIGNS ARE BASED ON A NET ALLOWABLE SOIL BEARING PRESSURE OF 3,000 PSF. IF SUITABLE BEARING MATERIAL IS NOT ENCOUNTERED AT
ADS (SERVICE) ED MAPPED ACCELERATION PARAMETER (Ss) RIOD MAPPED ACCELERATION PARAMETER (S	N	<ul> <li>INDICATED ON THE DRAWINGS AS INDICATED BY A LICENSED GEOTECHNICAL ENGINEER, THE CONTRACTOR SHALL OVEREXCAVATE UNTIL SUITABLE BEAR ENCOUNTERED.</li> <li>2. EXTERIOR FOOTINGS SHALL BEAR AT OR BELOW MINIMUM BEARING DEPTH. MINIMUM BEARING DEPTH IS 18 INCHES BELOW ADJACENT FINISHED GRADE.</li> <li>EDGES FOR STOOPS, CANOPIES, ETC, SHALL BE 18 INCHES (UNO).</li> </ul>
RIOD MAPPED ACCELLINATION PARAMETER (S ED SPECTRAL RESPONSE COEFF. (Sds) RIOD SPECTRAL RESPONSE COEFF. (Sd1)	0.841 0.541 (REFER TO EXCEPTION 2 OF ASCE 7-16 SECTION 11.4.8 FOR MINIMUM PERIOD T USED FOR Cs EQUATIONS IN SECTION 12.8)	<ol> <li>STANDARD PROCEDURES OF FROST PROTECTION FOR FOUNDATIONS AND EXCAVATIONS SHALL BE EMPLOYED FOR WINTER CONSTRUCTION. BACKFILLING SHALL BE DONE AS SOON AS POSSIBLE TO PROTECT FOUNDATIONS FROM FROST.</li> <li>HORIZ BARS IN FOOTINGS AND CONCRETE STEM WALLS, WHEN APPLICABLE, SHALL BE CONTINUOUS. PROVIDE CORNER BARS AT ALL CORNERS AND INTE</li> <li>FOUNDATION WALLS SHALL HAVE TEMPORARY BRACING BEFORE BACKFILL IS PLACED AGAINST THEM. TEMPORARY BRACING SHALL NOT BE REMOVED UN PERMANENTLY BRACED.</li> <li>FOUNDATION PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/ENGINEER. PENETRATIONS SHALL BE THROUGH FOUNDATION STEMW</li> </ol>
SS EGORY NCE FACTOR (le)	D (SOILS REPORT)	<ul> <li>BELOW FOOTING.</li> <li>CONCRETE SLABS-ON-GRADE</li> <li>1. SLABS-ON-GRADE ARE UNREINFORCED CONCRETE UNLESS NOTED OTHERWISE.</li> </ul>
DESIGN CATEGORY RESISTING SYSTEM	D SPECIAL REINFORCED MASONRY SHEAR WALLS	<ol> <li>PROVIDE SAW CUT JOINTS AT 12'-0" OC MAXIMUM SPACING UNLESS NOTED OTHERWISE ON THE CONTRACT DRAWINGS.</li> <li>PROVIDE (2) #4x2'-0" BARS PLACED 1 1/2" BELOW TOP OF SLAB AND LOCATED DIAGONALLY AT REENTRANT CORNERS.</li> <li>"CJ" INDICATES SAW CUT CONTRACTION JOINT IN SLAB-ON-GRADE, "CONST JT" INDICATES DOWELED CONSTRUCTION JOINT IN SLAB-ON-GRADE.</li> <li>CONCRETE AND REINFORCING STEEL</li> </ol>
		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
		C. STRUCTURAL CAST-IN-PLACE CONCRETE FOOTINGS 3000 PSI SPECIFICATION SECTION 03310 D. STRUCTURAL FORMED CONCRETE WALLS REF SPECS SPECIFICATION SECTION 03310 FOR ALL OTHER CONCRETE PROPERTIES REFER TO SPECIFICATIONS. 2. CONCRETE FREEZING AND THAWING EXPOSURE CLASS SHALL BE F0 AND SULFATE EXPOSURE CLASS SHALL BE S0.
		<ol> <li>2. CONCRETE FREEZING AND THAWING EXPOSORE CLASS SHALL BE FOUND SULFATE EXPOSURE CLASS SHALL BE SU.</li> <li>2. REINFORCING STEEL SHALL MEET ASTM SPECIFICATION A 615, DEFORMED BAR, GRADE 60 OR ASTM SPECIFICATION A 706, DEFORMED BAR, GRADE 60. RE SCHEDULE FOR LAP LENGTHS, UNO ON DETAILS.</li> <li>3. REFER TO ACI 315 FOR DETAILING PRACTICES AND FABRICATION, AND ACI 301 FOR STANDARD PRACTICE FOR MIXING AND PLACING CONCRETE AND CONC</li> </ol>
		<ul> <li>4. LEAN CONCRETE - MIN 2 1/2 SACKS PORTLAND CEMENT PER CUBIC YARD.</li> <li>STRUCTURAL STEEL</li> <li>1. STRUCTURAL STEEL SHALL MEET THE FOLLOWING MINIMUM YIELD STRENGTH AND SPECIFICATIONS. FABRICATION AND ERECTION SHALL BE IN ACCORDA</li> </ul>
		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. ROUND BARS FOR JOIST REINFORCEMENT:50 KSIA 529C. WIDE FLANGE STEEL SHAPES:50 KSIA 992D. SQUARE AND RECTANGULAR HOLLOW STRUCTURAL SHAPES:50 KSIA 500 GRADE C
		<ul> <li>E. ROUND HOLLOW STRUCTURAL SHAPES:</li> <li>46 KSI</li> <li>A 500 GRADE C</li> <li>F. HEADED STUD ANCHORS:</li> <li>50 KSI</li> <li>A 108 (GRADE DESIGNATIONS 1010 TO 1020, INCLUSIVE)</li> <li>2. ALL STRUCTURAL STEEL SHALL HAVE ONE SHOP COAT OF RUST INHIBITOR PRIMER PAINT CONFORMING TO THE SPECIFICATIONS. REF SPECS FOR PROTECENTERIOR STEEL, FIELD TOUCH UP ALL UNPAINTED, NICKED AND WELDED AREAS. PAINT ALL STEEL EXPOSED TO VIEW TO MATCH EXISTING.</li> </ul>
		<ol> <li>WELDING SHALL MEET ANSI/AWS D1.1 STRUCTURAL WELDING CODE. ELECTRODES SHALL BE 70 KSI LOW HYDROGEN.</li> <li>PROVIDE 1 1/2 INCH NON-SHRINK GROUT UNDER BASE PLATE AFTER ERECTION. NON-SHRINK GROUT, WHERE INDICATED ON PLANS, SHALL BE NON-METAL COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS.</li> </ol>
		<ol> <li>5. PROVIDE DOUBLE NUTS AND DOUBLE WASHERS FOR STEEL COLUMN ANCHOR BOLTS TO ALLOW FOR ADJUSTMENT IN BASE PLATE ELEVATION.</li> <li>6. PROVIDE L3x3x3/16 FIELD-FABRICATED FRAME BETWEEN JOISTS AT OPENINGS IN ROOF GREATER THAN 10"x10", UNO, (INCLUDING ROOF DRAIN AND EXHAU REGARDLESS OF OPENING SIZE).</li> </ol>
		<ol> <li>BOLTS FOR STEEL BEAM AND COLUMN CONNECTIONS SHALL BE 3/4" DIAMETER ASTM A 325-N HIGH-STRENGTH BOLTS, UNO. ALL BOLTED CONNECTIONS A BOLTS SHALL BE TIGHTENED SNUG TIGHT, UNO.</li> <li>THE FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN AND ADEQUACY OF CONNECTIONS THAT ARE NOT DESIGNED OR FULLY DETAILED ON THE COLUMN CONNECTIONS AND ADEQUACY OF CONNECTIONS THAT ARE NOT DESIGNED OR FULLY DETAILED ON THE COLUMN CONNECTIONS AND ADEQUACY OF CONNECTIONS THAT ARE NOT DESIGNED OR FULLY DETAILED ON THE COLUMN CONNECTIONS AND ADEQUACY OF CONNECTIONS THAT ARE NOT DESIGNED OR FULLY DETAILED ON THE COLUMN CONNECTIONS AND ADEQUACY OF CONNECTIONS THAT ARE NOT DESIGNED OR FULLY DETAILED ON THE COLUMN CONNECTIONS AND ADEQUACY OF CONNECTIONS THAT ARE NOT DESIGNED OR FULLY DETAILED ON THE COLUMN CONNECTIONS AND ADEQUACY OF CONNECTIONS THAT ARE NOT DESIGNED OR FULLY DETAILED ON THE COLUMN CONNECTIONS AND ADEQUACY OF CONNECTIONS THAT ARE NOT DESIGNED OR FULLY DETAILED ON THE COLUMN CONNECTIONS AND ADEQUACY OF CONNECTIONS THAT ARE NOT DESIGNED OR FULLY DETAILED ON THE COLUMN CONNECTIONS AND ADEQUACY OF CONNECTIONS THAT ARE NOT DESIGNED OR FULLY DETAILED ON THE COLUMN CONNECTIONS AND ADEQUACY OF CONNECTIONS AND ADEQUACY ADA ADA ADA ADEQUACY ADA ADA ADA ADA ADA ADA ADA ADA ADA AD</li></ol>
		STRUCTURAL ROOF CURBS 1. COLD FORM STRUCTURAL CURB BY SUPPLIER SHALL BE CAPABLE OF SPANNING BETWEEN BAR JOISTS AND CANTILEVERING TO PICK UP EDGE OF RTU ANI ROOF LOADS OF 16 PSF DEAD LOAD AND 20 PSF LIVE/SNOW LOAD. STEEL JOISTS AND JOIST GIRDERS
		<ol> <li>EXISTING STEEL JOISTS AND JOIST GIRDERS ARE ASSUMED TO BE IN GOOD CONDITION AND IN COMPLIANCE WITH THE STEEL JOIST INSTITUTE SPECIFICATION EXISTING JOISTS OR GIRDERS SHALL BE REPORTED PRIOR TO ADDING LOAD TO FRAMING.</li> <li>ALL WELDING SHALL CONFORM TO THE CURRENT AMERICAN WELDING SOCIETY SPECIFICATIONS AND BE PERFORMED BY CERTIFIED WELDERS. DO NOT O</li> </ol>
		THRU JOIST MATERIAL. ANY DAMAGE TO EXISTING JOIST SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. 3. HANGERS SUPPORTING MECHANICAL EQUIPMENT FROM JOIST CHORDS SHALL BE LOCATED WITHIN 3 INCHES OF JOIST PANEL POINTS OR JOIST SHALL BE JOIST REINFORCING DETAIL. HANGER LOADS GREATER THAN 100 POUNDS SHALL NOT BE ATTACHED TO THE EDGE OF CHORD ANGLES AND SHALL BE CEN CHORD.
		<ol> <li>SPECIAL JOISTS AND JOIST GIRDERS THAT REQUIRE SPECIFIC ORIENTATION SHALL BE TAGGED AT ONE END. DEFINE LOCATION OF TAGGED END ON ERECT 5. ALL LOADS SHOWN ON THE DRAWINGS ARE DESIGN WORKING LOADS FOR WORKING STRESS DESIGN WITH APPROPRIATE BUILDING CODE LOAD FACTOR A INCREASE IN STRESS OR LOAD REDUCTION IS ALLOWED FOR WIND OR SEISMIC LOAD COMBINATIONS. ALL ADDITIONAL SPECIFIED AXIAL LOADS ARE TO B GRAVITY AND FULL UPLIFT LOADS TO PRODUCE THE WORST CASE CONDITION. JOISTS AND JOIST GIRDERS SHALL RESIST THE NET UPLIFT PRESSURE ON DESIGN LOADS.</li> </ol>
NOTE TO BIDDE	RS	6. THE LIVE LOAD DEFLECTION LIMIT FOR JOIST AND JOIST GIRDERS IS L/240, UNLESS NOTED OTHERWISE. PROVIDE 2 1/2" BEARING SEATS FOR ALL JOISTS AND SEATS FOR ALL JOISTS AND JOIST GIRDERS. LIMIT JOIST GIRDER SEAT WIDTH TO A MAXIMUM OF 11". ALL JOISTS AND JOIST GIRDERS SHALL RESIST THE MOST CRITIC LOAD COMBINATIONS LISTED IN THE APPLICABLE BUILDING CODE. 7. ALL JOISTS AND JOIST CIPPERS AT DEPLICABLE BUILDING CODE.
EXISTING CONDITIONS MAY NOT REFLECT E "AS-BUILT" CONDITIONS. CONTRACTOR SHA VERIFY ALL EXISTING CONDITIONS PRIOR TO FINAL BIDS. CONTRACTOR SHALL CAREFULL	LL FIELD O SUBMITTING	<ol> <li>ALL JOISTS AND JOIST GIRDERS AT PERIMETER WALLS SHALL BE LIMITED TO A LIVE LOAD DEFLECTION OF L/360. LIMIT TOP CHORD WIDTH TO A MAXIMUM ( 8. WHERE JOISTS ARE PARALLEL TO AND NEAR WALLS, 50 FEET OR LESS IN LENGTH, PROVIDE A MAXIMUM 1/2" CAMBER AND FOR JOISTS GREATER THAN 50 F MAXIMUM 3/4" CAMBER.</li> <li>JOIST MANUFACTURER SHALL DESIGN THE COMPRESSION CHORD OF ALL JOISTS SUPPORTING ROOF TOP UNITS, SKY LIGHTS, AND OTHER STRUCTURES F</li> </ol>
COORDINATE NEW WORK AND DEMOLITION OTHER DISCIPLINES AND EXISTING CONDITI DAMAGE CAUSED BY CONTRACTOR SHALL E TO OWNER'S SATISFACTION.	WITH ALL ONS. ANY	<ul> <li>LENGTH APPLICABLE TO THE CONDITIONS AT THE PROJECT WHERE THE UNBRACED LENGTH IS GREATER THAN THE SJI MAXIMUM.</li> <li>10. JOISTS SUPPORTING ROOF TOP EQUIPMENT SHALL HAVE A MINIMUM TOP CHORD WIDTH OF 6" TO ALLOW FOR PROPER INSTALLATION OF HEADERS WHER CHORD WIDTH IS GREATER THAN 9" COORDINATE HEADER OFFSET WITH STEEL SUPPLIER.</li> <li>11. STEEL JOISTS AND JOIST GIRDERS SHALL HAVE BRIDGING AND BOTTOM CHORD BRACING DESIGNED AND PROVIDED PER THE CURRENT STEEL JOIST INST DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.</li> </ul>
		STEEL ROOF DECK 1. ROOF DECK SHALL BE PAINTED TYPE "B" (WIDE RIB) AS SHOWN ON THE STRUCTURAL PLAN OR DETAILS, UNLESS NOTED OTHERWISE. REFER TO STRUCTU DETAILS FOR ROOF DECK ATTACHMENT.
STATEMENT OF		<ol> <li>WHEN THE ROOF DECK IS WELDED, WELDING RODS SHALL BE E 6022.</li> <li>LIGHT GAUGE STEEL FRAMING</li> <li>FOR 18 GAUGE AND LIGHTER FRAMING, CONNECTIONS SHALL BE MADE USING SELF-DRILLING, SELF-TAPPING SCREWS OR POWDER ACTUATED FASTENERS</li> <li>FOR 16 GAUGE AND HEAVIER FRAMING, CONNECTIONS SHALL BE MADE BY SELF-DRILLING SELF-TAPPING SCREWS, POWDER ACTUATED FASTENERS, OR B</li> </ol>
SPECIAL INSPECTIONS ARE REQUIRED. REFE PROJECT SPECIFICATIONS FOR THE FOLLOW	ER TO APPENDIX B OF THE	<ol> <li>INDICATED ON THE DRAWINGS.</li> <li>SELF-DRILLING SELF-TAPPING SCREW OR POWDER ACTUATED FASTENER CONNECTIONS ARE NOT PERMITTED TO BE USED WHERE WELDED STUD CONNE ON THE DRAWINGS.</li> </ol>
REGARDING THE REQUIREMENTS OF SPECIAL 1. THE MATERIALS, SYSTEMS, COMPONE REQUIRED TO HAVE SPECIAL INSPECT	L INSPECTIONS: ENTS AND WORK	<ol> <li>ALL 18 GAUGE AND LIGHTER FRAMING SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI. ALL 16 GAUGE AND HEAVIER FRAMING SHALL HAVE A MINIMUM 50 KSI.</li> <li>WHERE DETAILED CONNECTIONS OCCUR AT BRIDGING HOLES, INSTALL 16 GA x 1'-0" TRACK OVER STUD WITH (4) #10 SELF DRILLING SCREWS EACH LEG. C</li> </ol>
<ol> <li>THE TYPE AND EXTENT OF EACH SPEC</li> <li>THE TYPE AND EXTENT OF EACH TEST</li> <li>ADDITIONAL SPECIAL INSPECTION REC</li> </ol>	CIAL INSPECTION. T. QUIREMENTS FOR WIND	CONNECTION. MASONRY 1. CONCRETE MASONRY UNITS SHALL MEET ASTM SPECIFICATION C 90. THE SPECIFIED DESIGN COMPRESSIVE STRENGTH OF CONCRETE MASONRY (fm) SHA NET AREA COMPRESSIVE STRENGTH OF THE CONCRETE MASONRY UNITS SHALL BE 2800 PSI.
OR SEISMIC RESISTANCE (WHEN APPI 5. THE FREQUENCY OF SPECIAL INSPEC THE SPECIAL INSPECTION REQUIREMENTS AF	TIONS AND TESTING. RE BASED ON CHAPTER 17	<ol> <li>MORTAR SHALL BE A PREBLENDED DRY MIX CONFORMING TO ASTM C 1714 AND MEETING THE PROPERY SPECIFICATIONS OF ASTM C 270 TYPE "S" MORTAF 04200 FOR ADDITIONAL REQUIREMENTS.</li> <li>GROUT SHALL MEET ASTM SPECIFICATION C 476 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI. REF SPECIFICATION SECTION 04200</li> </ol>
OF THE WASHINGTON STATE BUILDING CODE		REQUIREMENTS. 4. GROUT SHALL BE MECHANICALLY CONSOLIDATED USING A VIBRATOR WITH A MAXIMUM 3/4" DIAMETER HEAD. REF SPECIFICATION SECTION 04200. 5. WHERE NEW GROUT IS REQUIRED FOR CAST-IN-PLACE OR POST INSTALLED ANCHORS, PROVIDE 12" GROUT COVER ON ALL SIDES OF THE ANCHORS. CREA INTERIOR SIDE OF WALL FOR GROUT INSERTION. PROVIDE PLUG AT BOTTOM. REPAIR HOLE AS REQUIRED.
STEEL CONSTRUCTION (1705.2) CONCRETE CONSTRUCION (1705.3) MASONRY CONSTRUCTION (1705.4) SOILS (1705.6)		<ol> <li>HORIZONTAL JOINT REINFORCEMENT SHALL BE LADDER TYPE SPACED AT 16" OC VERTICALLY FOR THE ENTIRE HEIGHT OF THE WALL.</li> <li>CONCRETE MASONRY SHALL BE LAID IN RUNNING (COMMON) BOND.</li> <li>CONCRETE MASONRY BELOW FINISHED FLOOR SHALL BE NORMAL WEIGHT UNITS AND SHALL HAVE ALL CELLS FULLY GROUTED. CONCRETE MASONRY AB</li> </ol>
POST-INSTALLED ANCHORS (PER MANUF	RESEARCH REPORTS)	SHALL BE LIGHT WEIGHT OR NORMAL WEIGHT AND SHALL BE GROUTED ONLY AT REINFORCED CELLS AND BOND BEAMS, UNO. 9. REFER TO CMU WALL REINFORCING DIAGRAM AND DETAILS FOR PRIMARY WALL REINFORCEMENT. 10. REFER TO CMU WALL REINFORCING DIAGRAM AND MASONRY WALL OPENING DETAILS FOR ADDITIONAL REINFORCING AT OPENINGS, CONTROL JOINTS, CO
2		WALL PANELS. 11. REFER TO WALL FOUNDATION AND FRAMING DETAILS FOR ADDITIONAL BOND BEAM LOCATIONS AND EMBEDDED ITEMS. 12. USE OPEN KNOCK OUT BOND BEAM BLOCK WHERE HORIZONTAL BOND BEAM REINFORCEMENT IS REQUIRED. DO NOT USE TROUGH TYPE BLOCKS FOR BOI CONTINUE BOND BEAM BEINFORCING TURQUEU CONTROL JOINTS, UND
		CONTINUE BOND BEAM REINFORCING THROUGH CONTROL JOINTS, UNO. 13. INSTALL EMBEDDED STEEL ITEMS FOR OVERHEAD DOORS IN GROUTED CELLS. COORDINATE LOCATIONS OF EMBEDDED ITEMS WITH OVERHEAD DOOR MA POST-INSTALLED ANCHORS 1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER OF RE
		<ol> <li>POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER OF RE POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. REFER TO SPECIFICATION 05090 FOR ADDITIONAL INFORMATION.</li> <li>WHERE THE DRAWINGS INDICATE GROUT TO BE ADDED TO MASONRY WALLS, 7 DAY CURED GROUT MUST BE PRESENT WHEN INSTALLING POST-INSTALLED SUBGRADE AND BASE</li> </ol>
		<ol> <li>PRIOR TO PLACEMENT OF SLABS IN SLAB REMOVAL AREAS, EXPOSED SUBGRADE SHALL BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR M (ASTM D698). WHERE SOILS ARE DISTURBED TO A DEPTH GREATER THAN 1'-0", COMPACTION SHALL BE PERFORMED IN A MAXIMUM 8 INCH LOOSE LIFTS.</li> <li>IN SLAB REMOVAL AREAS WHERE SUBGRADE IS NEEDED TO RAISE PAD TO PROPER ELEVATION, PROVIDE BASE AND/OR CHOKER MATERIAL AS INDICATED</li> <li>NOTIFY IMMEDIATELY THE OWNER'S REPRESENTATIVE AND ENGINEER IF UNUSUAL SOIL CONDITIONS ARE FOUND.</li> </ol>
		<ol> <li>4. DO NOT ALLOW STORED EXCAVATION MATERIAL TO DISRUPT PROPER DRAINAGE OF AREA.</li> <li>5. DISPOSE OF EXCAVATED MATERIAL AS REQUIRED BY OWNER'S REPRESENTATIVE.</li> <li>6. THE TESTING AGENCY SHALL VERIFY THE SUBGRADE IS COMPACTED TO THE OPTIMUM MAXIMUM DRY DENSITY AS SPECIFIED IN THE PAD PREPARATION. A REPRESENTATIVE OF THE TESTING AGENCY SHALL WITNESS PROOF ROLLING OF THE SUBGRADE TO IDENTIFY UNACCEPTABLE AREAS OF THE BUILDING P</li> </ol>
		SHALL RECOMPACT OR REMOVE AND REPLACE SOFT AREAS AS DETERMINED TO BE UNACCEPTABLE BY THE TESTING AGENCY. THE TESTING AGENCY SHA TO THE OWNER. 7. THE TESTING AGENCY SHALL VERIFY THE AGGREGATE BASE IS COMPACTED TO THE OPTIMUM MAXIMUM DRY DENSITY AS SPECIFIED IN THE PAD PREPARA PLACING THE SLAB. A QUALIFIED REPRESENTATIVE OF THE TESTING AGENCY SHALL WITNESS PROOF ROLLING OF THE BASE TO IDENTIFY UNACCEPTABLE
		BUILDING PAD. THE CONTRACTOR SHALL REPAIR SOFT AREAS AS DIRECTED BY THE TESTING AGENCY. RUTTING DUE TO PROOF ROLLING DEEPER THAN 1/ SHALL BE UNACCEPTABLE.THE TESTING AGENCY SHALL PROVIDE A REPORT TO THE OWNER AND THE ENGINEER STATING THE SUBGRADE AND BASE IS ACC

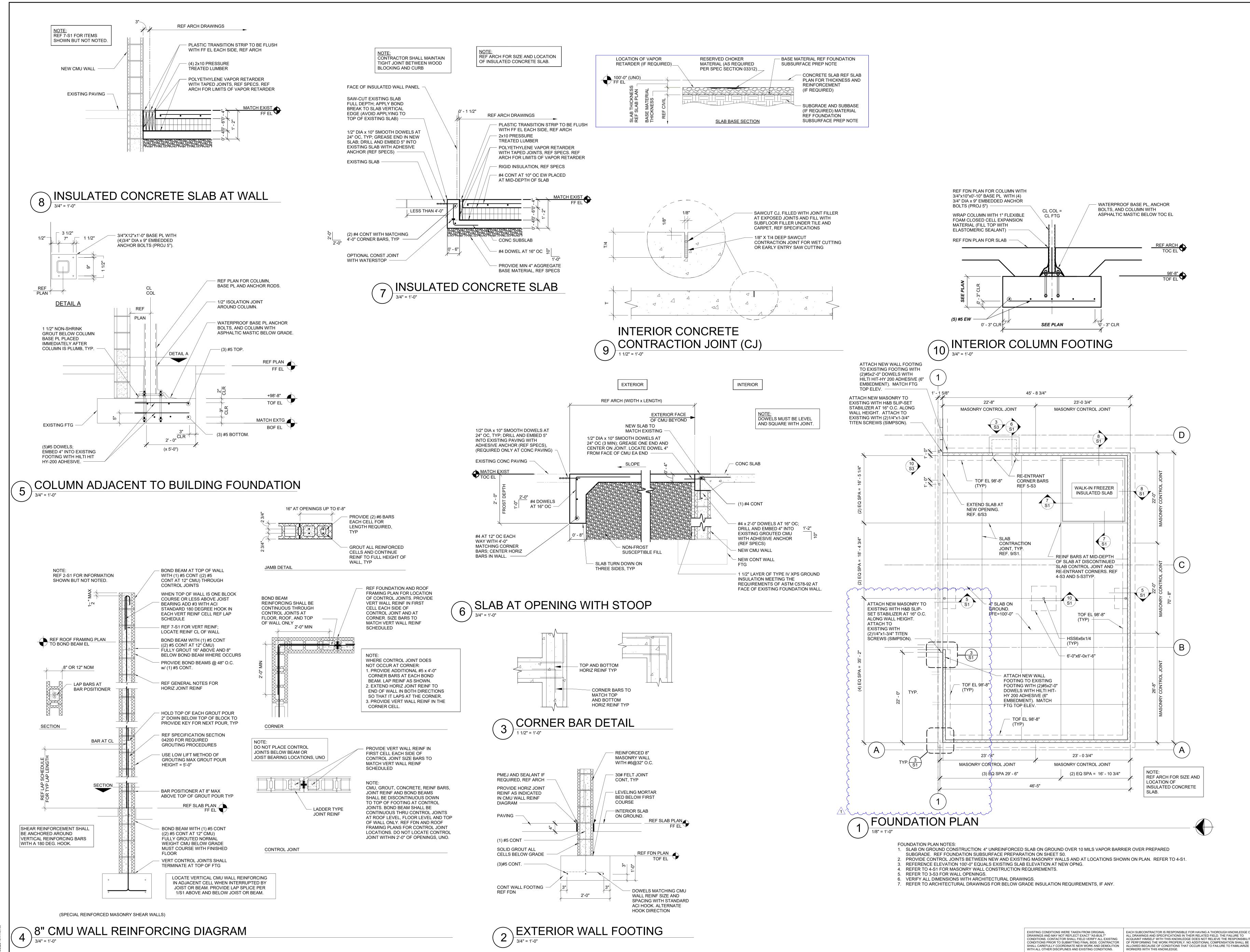
WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.



EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT HIMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBIL

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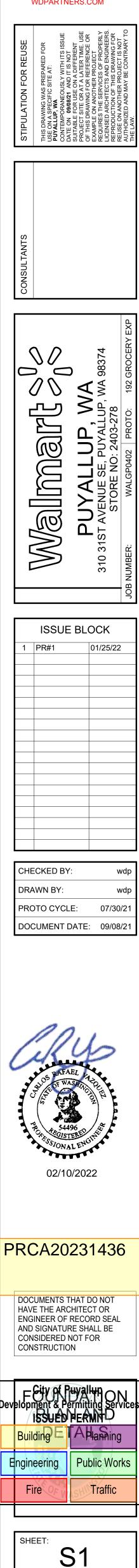
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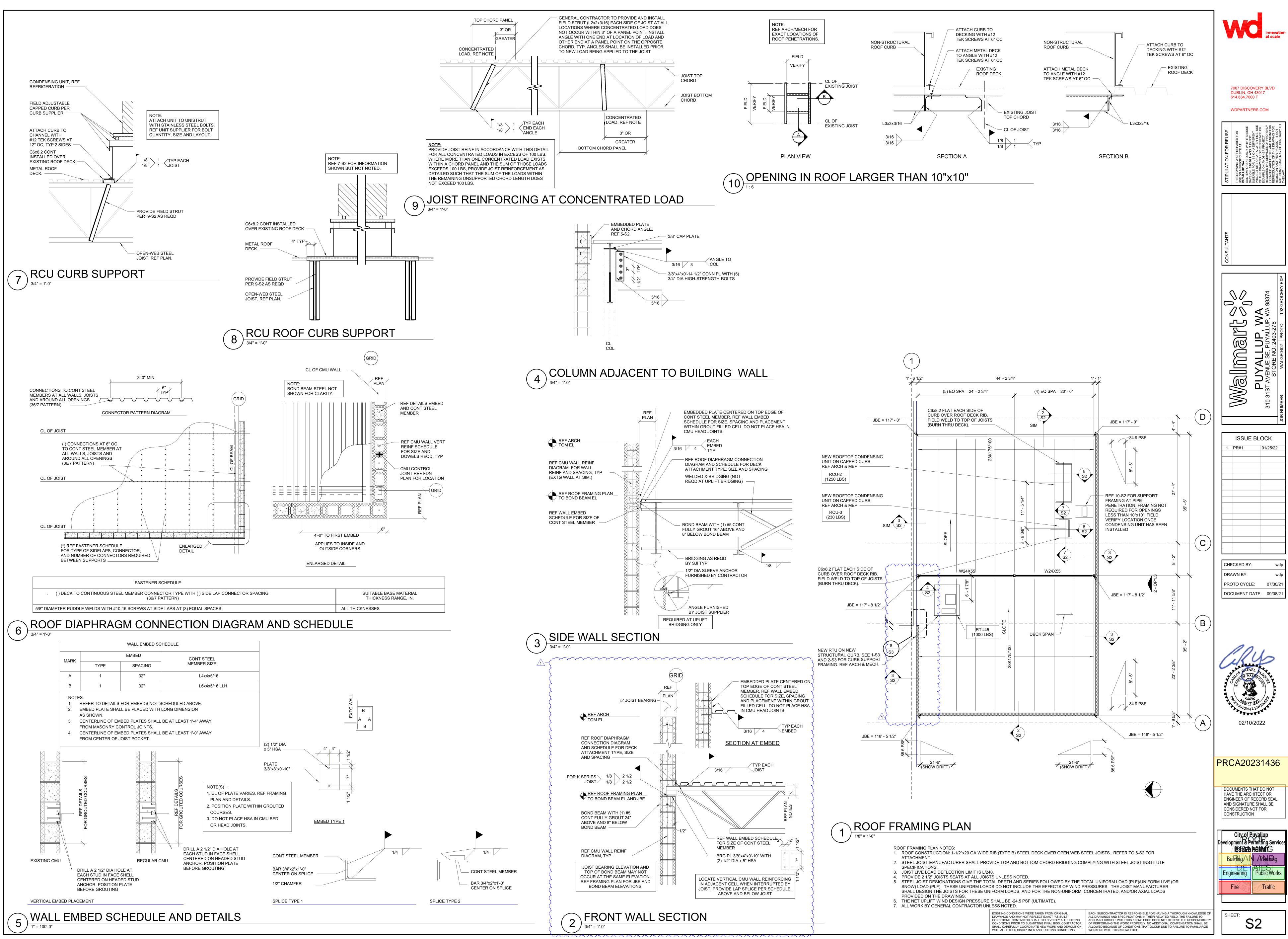


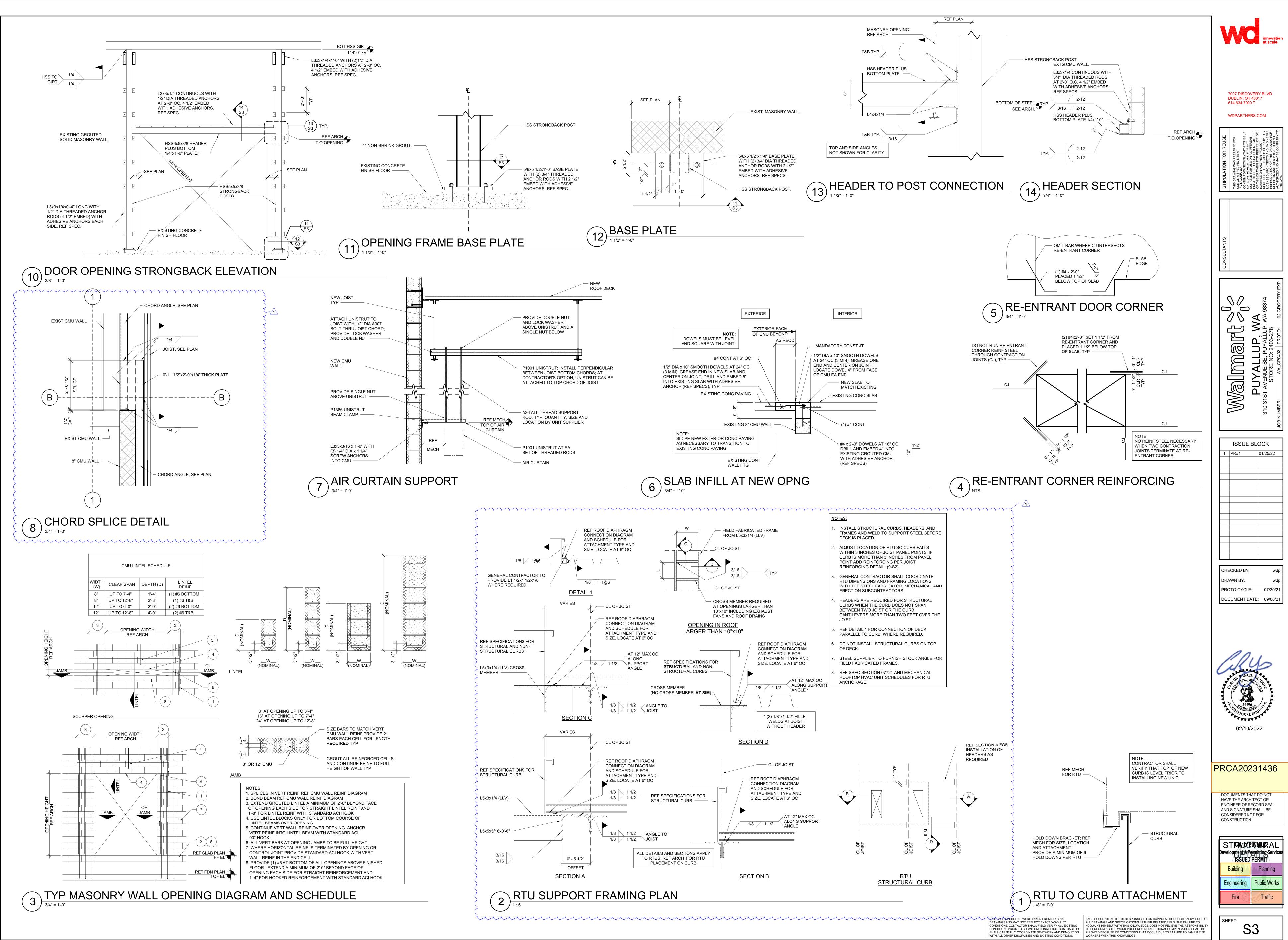


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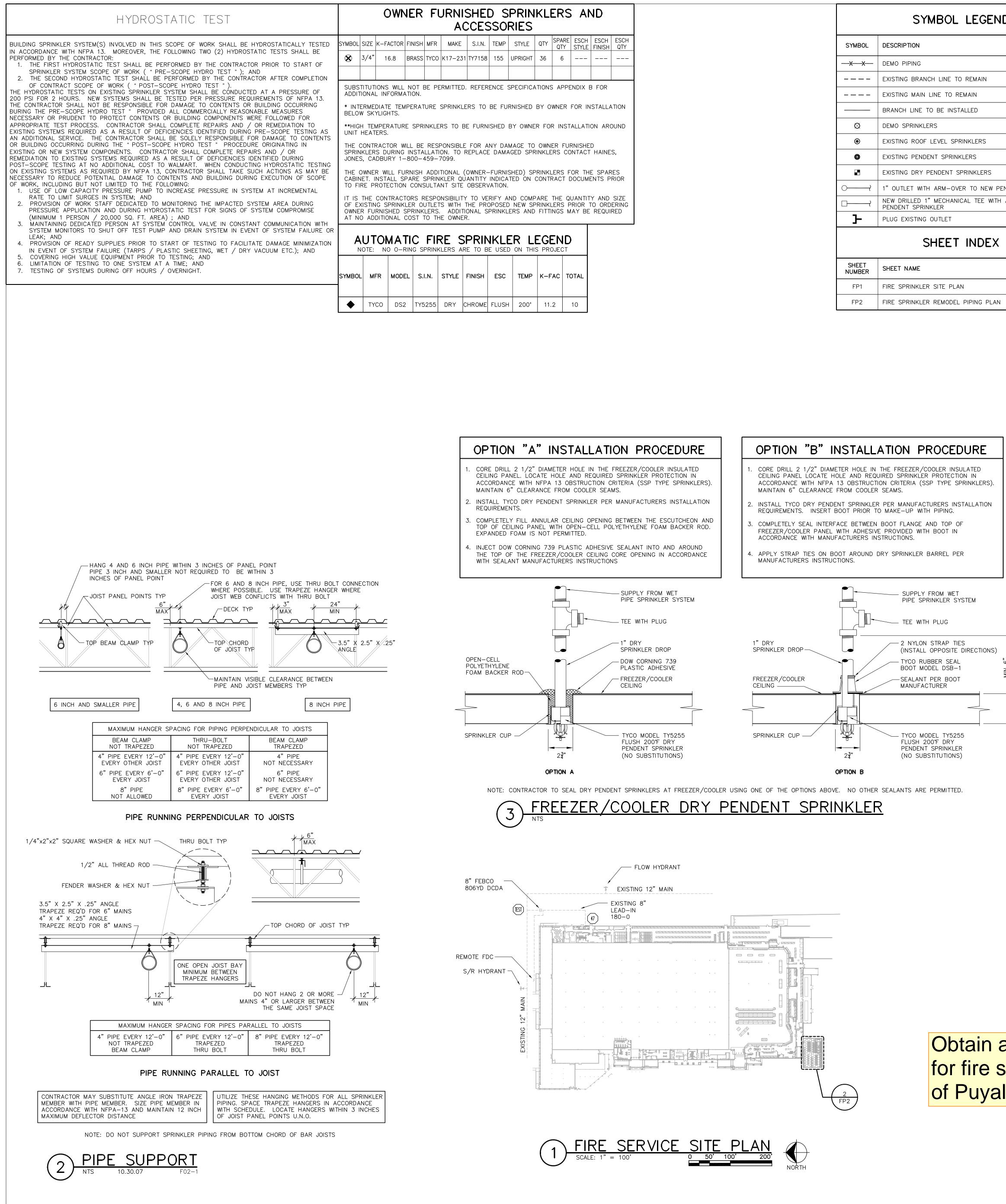






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SYMBOL	DESCRIPTION					
XX	DEMO PIPING					
	EXISTING BRANCH LINE TO REMAIL					
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	BRANCH LINE TO BE INSTALLED					
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۲	EXISTING ROOF LEVEL SPRINKLERS					
0	EXISTING PENDENT SPRINKLERS					
	EXISTING DRY PENDENT SPRINKLE					
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FP1	FIRE SPRINKLER SITE PLAN					
FP2	FIRE SPRINKLER REMODEL PIPING					

GEND	SCOPE OF WORK	GENERAL NOTES	GENERAL N
		1. THE DESIGN SHOWN ON THESE CONTRACT POOLVENTS IS TO PROVIDE GLIDANCE FOR PEDRON RAD TO DOTAL APPROVAL. OF THE AUTHORITY HAVING JURISDICTION, SUBJIT COMPLETE FIRE SPRINKLERS SHOP DEVALUATIONS AS REQUIRED BY THE STECHTATIONS, SHOP DERAMINES SHALL INCLUE ELEVATIONS, SHOP DERAMINES SHALL INCLUE ELEVATIONS, HANGER LOCATIONS, DIFE LENDTINS, MARCEN LOCATIONS, DIFE LENDTINS, MARCEN, SHIP, STRUKTUR, AND	<ul> <li>THE FIRE PROTECTIS SHALL NOT BE RESCONTRACTOR'S FAIL CONSTRUCTON WOT THE CONTRACTOR'S FAIL CONSTRUCTON DOT THEY BE REQUIRED CONDUCTO THE' PROCEDURES FOLL SUBCONTRACTOR MUST CONSTRUCTION DOS SHOULD MODIFICAT BECOME NECESSAR COORDINATE THE S TRADES, IT WILL BE RESPONSIBILITY TO CHANGES FROM BC JURISDICTION AND REVIEW CONSULTAM OBTAINING THE NET CONTRACTOR MUST OR COORDINATE THE ST CONTRACTOR MUST OR COORDINATION INSTALLATION DRAN PROVIDE A SET OF ONCE COMPLETE.</li> <li>CONTRACTOR MUST INSTALLATION DRAN PROVIDE A SET OF ONCE COMPLETE.</li> <li>CONTRACTOR MUST INSTALLATION DRAN PROVIDE A SET OF ONCE COMPLETE.</li> <li>CONTRACTOR MUST INSTALLATION DRAN PROVIDE A SET OF ONCE COMPLETE.</li> <li>CONTRACTOR SHAL ALL OBSTRUCTIONS PROTECTION UNDER FRAMING MEMBERS INSIDE THE BAR JO COTTACTOR SHAL ALL OBSTRUCTIONS PROTECTION UNDER DETAILED IN NFPA OF THE FIELD COOL ADDITIONAL COST</li> <li>ALL PIPING PASSIN SHALL BE RISTALLE CLARANCES WITH E STANDARDS OF STOPPED WITH APP ALL COMING WITH F ALL COMING WITH F ALL CANNESS, ETC.</li> <li>RECORDANCE WITH IN NFPA 13.</li> <li>PROVDE ALL NECE PROVIDE ALL NECE P</li></ul>
yallup		WATER SUPPLY TO BE USED FOR FIRE SPRINKLER DESIGN AT EFFECTIVE POINT:	ASSEMBLIES, RESTRAIN STRUCTURAL REQUIREN MAY BE MORE STRINGE
		STATIC: 33 PSI RESIDUAL: 28 PSI AT 1838 GPM	

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ION ENGINEER OF RECORD SPONSIBLE FOR THE LURE TO CARRY OUT THE ORK IN ACCORDANCE WITH CUMENTS, NOR SHALL TO SUPERVISE THE WORK, THE CONSTRUCTION OWED BY THE CONTRACTOR, THEIR RESPECTIVE NY OTHER PERSON AT THE HAN THAT OF THE

S EMPLOYEES. REVIEW ALL CUMENTS PRIOR TO BID. IONS TO THESE PLANS

RY TO PROPERLY SYSTEM WITH ALL OTHER THE CONTRACTOR'S OBTAIN APPROVAL OF THE TH THE AUTHORITY HAVING THE OWNER'S DESIGNATED NT IN ADDITION TO CESSARY APPROVALS, THE MAKE NOTE OF ANY FIELD CHANGES ON THE WINGS, AND THEN MUST

AS-BUILT DRAWINGS VERIFY ALL DROP DOWN ERIOR WALLS WITH THE PRIOR TO INSTALLATION. BE COORDINATED AROUND AND PROPERLY INSTALLED

L ROUTE PIPING AROUND AND PROVIDE SPRINKLER OBSTRUCTIONS, AS 13 STANDARDS AS PART RDINATION AT NO TO OWNER.

FLECTOR DISTANCE ALL BE IN ACCORDANCE TO UTLINED IN NFPA 13. G THROUGH CMU WALLS ED WITH ONE INCH

SIDES. (CORE DIAMETER "). ALL CORES SHALL BE STRUCTURAL REINFORCING SPONSIBLE FOR PROVIDING PROPER CLEARANCE AT GENERAL CONTRACTOR SIBLE FOR PROVIDING A NCE AROUND ALL PIPING CONCRETE SLABS. THE ACTOR SHALL FILL ALL APPROVED MASTIC. ASSEMBLIES SHALL BE FIRE

PROVED MATERIALS PER ED BY THE UL FIRE TORY CONNECTIONS IN

THE STANDARDS OUTLINED ESSARY OFFSETS, RISES OR AND AUXILIARY DRAINS DING CONDITIONS. CONDITIONS AND VERIFY TS, DISTANCES, ELEVATIONS,

ND ELECTRICAL RMATION IS SHOWN FOR POSES ONLY. REFER TO CUMENTS FOR LOCATIONS, ITIES OF OTHER TRADE

NG TO BE PER NFPA 13. LER SYSTEM WITH FIRE RVISORY SYSTEM. HALL BE UL LISTED AND FM KLERS SHALL BE TYCO PIPE SHALL BE STANDARDS RECOGNIZED

EADED PIPE SHALL HAVE A FANCE RATING OF 1.0 OR -TYPE COUPLINGS SHALL HREADABLE THINWALL PIPE RESISTANCE RATING OF ALL BE USED ONLY WITH INGS

VIDE 24 VOLT AC, ELECTRIC PBA248, ELECTRIC BELL BY SIGNAL OF ST. LOUIS, AS REQUIRED BY NG JURISDICTION. PROVIDE VANE TYPE FLOW NO. VSR-F, BY POTTER OF ST. LOUIS, MISSOURI.

DELAYED SIGNAL AT 30 WATER FLOW INDICATORS 6 FEET ABOVE FINISH STEMS TO BE MODIFIED STATICALLY TESTED PER

) SPRINKLER SYSTEM SHALL BE LLY TESTED AFTER DRK. SUPPORT ANY LOADS OR

HMENTS TO THE METAL DIST BRIDGING. RE NOT PERMITTED. ARE NOT PERMITTED. STRAPS ON HANGERS

COORDINATE FINAL LOCATIONS AND PIPE AT THEY DO NOT OR RECEIVE DAMAGE FROM RATIONS OF THE AREA. IS SHOWN TO REPLACE THE CONTRACTORS VERIFY THE SIZE OF THE

ER FITTING PRIOR TO BID. SIBILITY OF THE PROVIDE THE NECESSARY THE NEW SPRINKLER EXISTING SPRINKLER

BLE CODES

EDITION:

ORT PROJECT 4789705078

IRE CODE

UILDING CODE

EQUIREMENTS

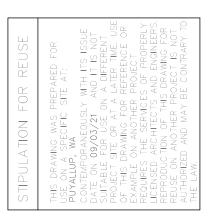
RACTOR SHALL COMPLY WITH ER NFPA 13 "PROTECTION AMAGE WHERE SUBJECT TO PRINKLER CONTRACTOR ACCOUNT THE LIMITATIONS ELEMENTS PRIOR TO SIZING, OCATING SEISMIC ITS, ETC. ON THEIR PLANS. MENTS AND LIMITATIONS ENT THAN NFPA.

> STORE LOCATION: 310 31ST AVE SE PUYALLUP, WA 98374

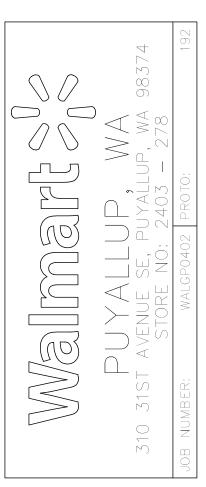


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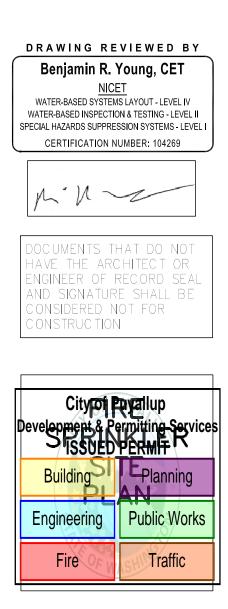




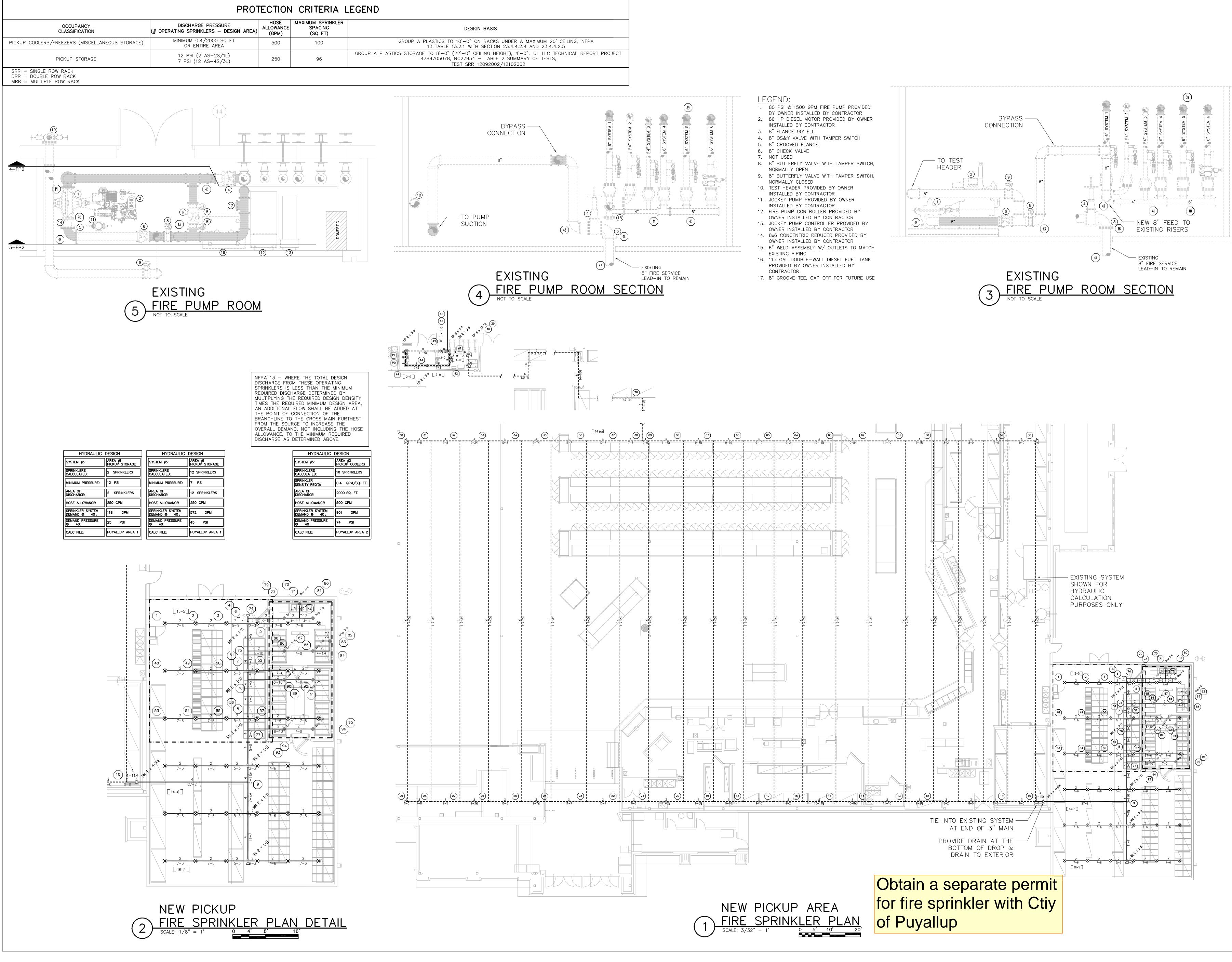


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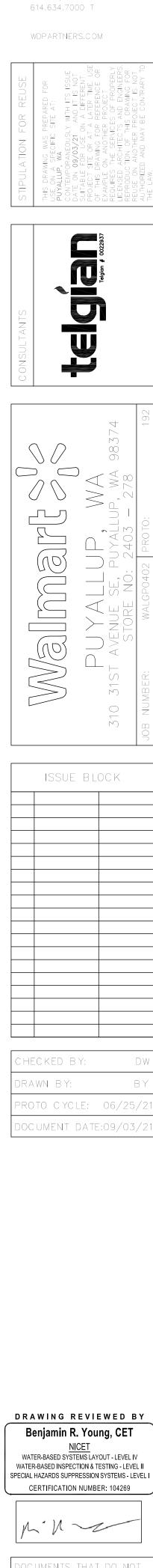
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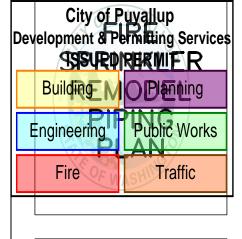




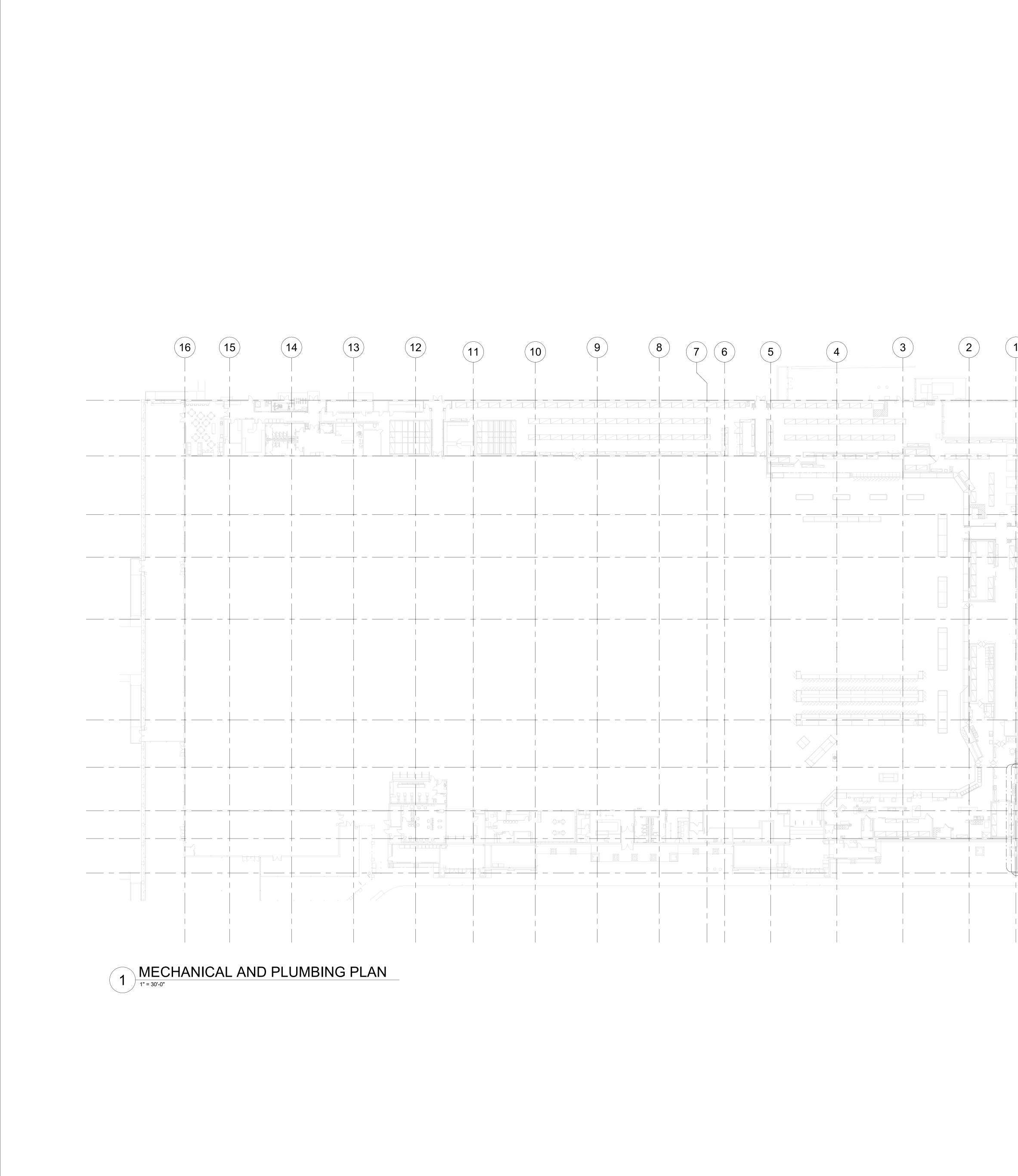
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IAVE THE ARCHITECT OF ENGINEER OF RECORD SEA AND SIGNATURE SHALL BE CONSIDERED NOT FOR CONSTRUCTION



FP2



# **GENERAL NOTES**

- GENERAL NOTES ARE APPLICABLE TO ALL MECHANICAL AND PLUMBING DRAWINGS.
- 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.
- 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.
- 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.
- CONTRACTOR IS RESPONSIBLE FOR UTILIZING OWNER APPROVED ROOFING CONTRACTORS FOR CUTTING AND PATCHING ROOF.
- 6. NOT USED.
- CONTRACTOR SHALL INSTALL OWNER FURNISHED RTU CURB AND TEMPORARY COVER CURB PER ARCH DETAIL (IF USED). RTU'S SHALL BE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. CURB ADAPTOR (IF USED) SHALL BE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. RTU SHALL BE SET ON ROOF CURB. DO NOT SET RTU DIRECTLY ON 27. NOT USED. ROOF. COORDINATE RTU INSTALLATION WITH WALMART CONSTRUCTION MANAGER AND AES AS REQUIRED FOR RTU/AHU CURB ADAPTERS.
- REPLACE FILTERS ON NEW RTU NO MORE THAN ONE DAY PRIOR TO STARTING TEST & BALANCE PROCEDURES. FILTERS SHALL BE 2" THICK EQUAL TO FARR 30/30.
- LABEL RTU WITH 6" BLACK PERMANENT PAINT STENCIL AND LABEL SENSOR WITH 2" HIGH BLACK PERMANENT PAINT STENCIL. NUMBER THE SENSOR TO CORRESPOND WITH RTU IT CONTROLS. LOCATE LABEL FOR UNIT NEAR ITS DISCONNECT SO IT IS READABLE FROM ROOF HATCH.
- 10. IF RTUS ARE INSTALLED BEFORE ROOFING IS COMPLETED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE WHICH OCCURS DURING THE ROOFING PROCESS, INCLUDING TAR ON 32. CAP ALL PIPING OPENINGS DURING CONSTRUCTION COILS.
- 1. ROOFTOP UNIT CONDENSATE SHALL BE ROUTED TO DRAIN WITH THE SLOPE OF THE ROOF.
- 12. MECHANICAL FAILURE OF NEW ROOFTOP UNITS PRIOR TO ACCEPTANCE BY OWNER, SHALL BE REPAIRED OR REPLACED BY CONTRACTOR THROUGH WARRANTY AGREEMENT WITH MANUFACTURER.
- 13. IF APPLICABLE, COORDINATE ALL NEW GAS PIPING AND ROOF EQUIPMENT WITH EXISTING GAS PIPING, SKYLIGHTS, AND ROOF EQUIPMENT. FIELD VERIFY EXISTING CONDITIONS.
- 14. ROOFTOP UNITS BEING ADDED TO EXISTING ROOF STRUCTURE SHALL BE INSTALLED WHEN THE UNITS ARRIVE AT THE JOB SITE. REFERENCE ARCHITECTURAL/STRUCTURAL SHEETS FOR DETAILS.
- 5. 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.
- 16. 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.
- 7. 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.
- 18. 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.
- 9. DUCT SUPPORT AND GRILLE DETAIL IS APPLICABLE THROUGHOUT THE STORE. DO NOT USE FASTENERS THAT PENETRATE ROOF DECK. 20. TYPICAL BRANCH DUCT FITTING DETAIL IS

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL

DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTACTOR SHALL FIELD VERIFY ALL EXISTING

WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

APPLICABLE THROUGHOUT THE STORE.

- BEEN FIELD VERIFIED, CONTRACTOR IS THAN 4". REF ARCH. FOR TRENCHING REQUIREMENTS.
- 22. NOT USED.
- SEWER AND VENT PIPE SIZE AND ELEVATION AND BEFORE CUTTING FLOOR SLAB FOR NEW SEWER PIPING 24. NOT USED.
- 25. PLUMBING CONTRACTOR SHALL PROVIDE ONE YEAR WARRANTY FOR PROPER SEWER SYSTEM OPERATION.
- 26. SANITARY DRAINAGE LINES AND FITTINGS (DRAIN, WASTE AND VENT) SHALL BE CAST IRON, COATED CODES, PVC-DWV PLASTIC SCHEDULE 40 MAY BE USED IN LIEU OF CAST IRON. ALL PHOTOLAB PLUMBING SHALL BE PVC.
- 29. ALL FLOOR CLEANOUTS SHALL BE INSTALLED FLUSH WITH FLOOR FINISH MATERIAL OR FLUSH WITH CONCRETE SLAB IF NO FLOOR FINISH MATERIAL IS
- 30. LOCATE ALL FLOOR CLEAN-OUTS OUT OF TRAFFIC WAYS, WHILE MAINTAINING ACCESSIBILITY, LOCATE PER DIMENSIONS IF SHOWN ON PLANS.
- 31. FLOOR CUTS SHALL BE STRAIGHT AND CLEAN, AND SMOOTH WITH ADJACENT FLOOR SLAB. WITH GENERAL CONTRACTOR.
- UNTIL FINAL CONNECTIONS TO EQUIPMENT AND ACCESSORIES ARE MADE.
- 33. CUT AND PATCH EXISTING CONCRETE FLOOR SLAB FOR INSTALLATION OF NEW UNDERGROUND
- 34. DO NOT INSTALL PIPING WITHIN COOLER PANELS. CORROSIVE MATERIALS FOR SPACERS AND ANCHORS.
- 35. PROVIDE ESCUTCHEON PLATES FOR PLUMBING WALLS.
- 36. PROVIDE AIR TIGHT SEAL AROUND PIPING AND CEILINGS. FINISH WITH ESCUTCHEON PLATE.
- AND DRAIN PIPING EXPOSED TO FREEZING.
- 38. INSTALL CONTINUOUS SEALANT JOINT AT ALL EXTERIOR WALL PENETRATIONS.
- 39. AT CONTRACTOR'S OPTION (U.N.O), IN LIEU OF SIZES SCHEDULE AND SPECIFICATIONS.
- SEISMIC ZONE REQUIREMENTS PER SMACNA STRUCTURAL ENGINEER'S CERTIFICATION ON DETAILS SUBMITTED FOR PERMITTING.
- 41. BUILDING COMPONENTS ABANDONED BY THE SCOPE LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF

ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT HIMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY

CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION

WORKERS WITH THIS KNOWLEDGE.

( **K** -----H G E D C \_\_\_\_\_ PICKUP STORAGE 946 B ( **A** \_\_\_\_\_ **P1** M1

24 HOURS PRIOR TO SHUTTING DOWN ANY REFRIGERATION SYSTEMS, HVAC SYSTEMS OR ENERGY MANAGEMENT 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.

# 21. EXISTING PIPE SIZES AND LOCATIONS HAVE NOT 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

23. PLUMBING CONTRACTOR SHALL VERIFY EXISTING SHALL VERIFY THAT PROPER SLOPES ARE AVAILABLE

INSIDE AND OUTSIDE. WHERE PERMITTED BY LOCAL

28. PROVIDE AUTOMATIC TRAP PRIMERS ON FLOOR DRAINS IF REQUIRED BY LOCAL PLUMBING CODES.

CALLED OUT FOR ON ARCHITECTURAL DRAWINGS.

REPLACE REMOVED SLAB WITH CONCRETE FLUSH REFERENCE ARCHITECTURAL SHEETS. COORDINATE

PLUMBING PIPE. MATCH EXISTING CONSTRUCTION.

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-

PENETRATIONS THROUGH GROCERY CEILINGS AND

PENETRATIONS THROUGH COOLER/FREEZER WALLS 37. PROVIDE HEAT TAPE AND INSULATION ON ALL WATER

COPPER WATER PIPING, PEX OR AQUATHERM PIPING MAY BE USED. REFER TO EQUIVALENT NOMINAL PIPE

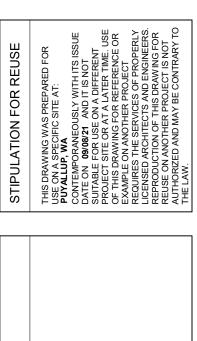
40. PROVIDE SEISMIC BRACING BASED ON APPROPRIATE PUBLISHED SEISMIC DETAILS, LOCAL AND NATIONAL CODES. CONTRACTOR'S RESPONSIBILITY INCLUDES

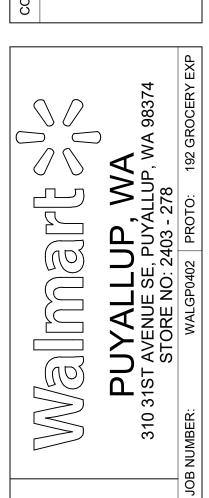
OF WORK SHALL BE SECURED TO PREVENT FALLING,



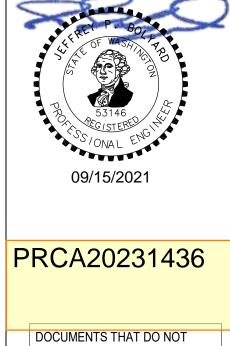
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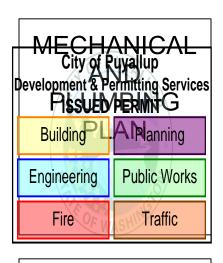




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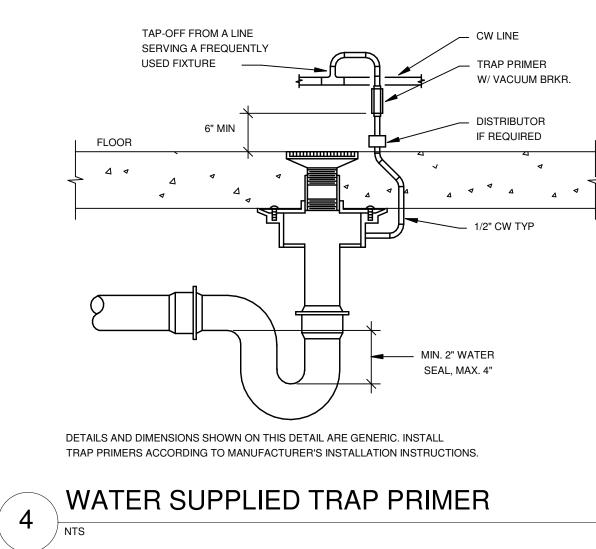
HAVE THE ARCHITECT OR ENGINEER OF RECORD SEAL AND SIGNATURE SHALL BE CONSIDERED NOT FOR CONSTRUCTION



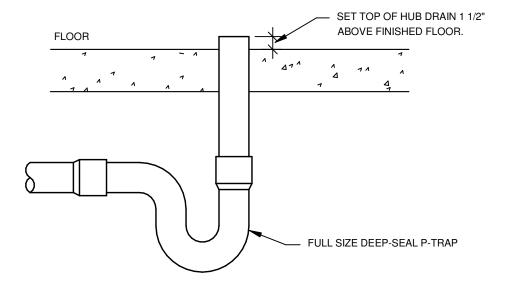
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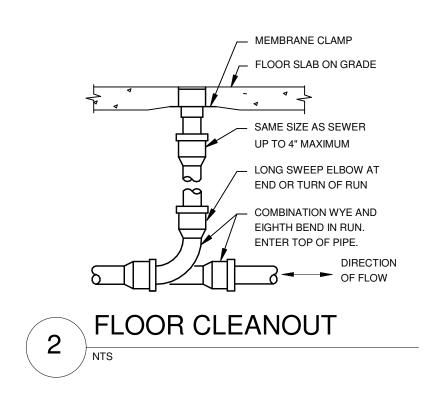
		FLOOR	R DRAIN SCHEDULE
MARK	MANUFACTURER	MODEL	DESCRIPTION
FD2			HUB DRAIN SAME AS SANITARY WASTE PIPING MATERIAL UNLESS NOTED OTHE ON PLANS
		CLEA	NOUT SCHEDULE
MARK	MANUFACTURER	MODEL	DESCRIPTION
FCO1	ZURN SIOUX CHIEF MIFAB JAY R. SMITH JOSAM WATTS OATEY	Z1400 852 C1100 4231 55000 CO-200-RX-4 74000	CAST IRON OR PVC BODY, ROUND EXTRA HEAVY-DUTY CAST OR DUCTILE IRON POLYPROPYLENE OR ABS PLUG, ADJUSTABLE TO FINISH SURFACE.



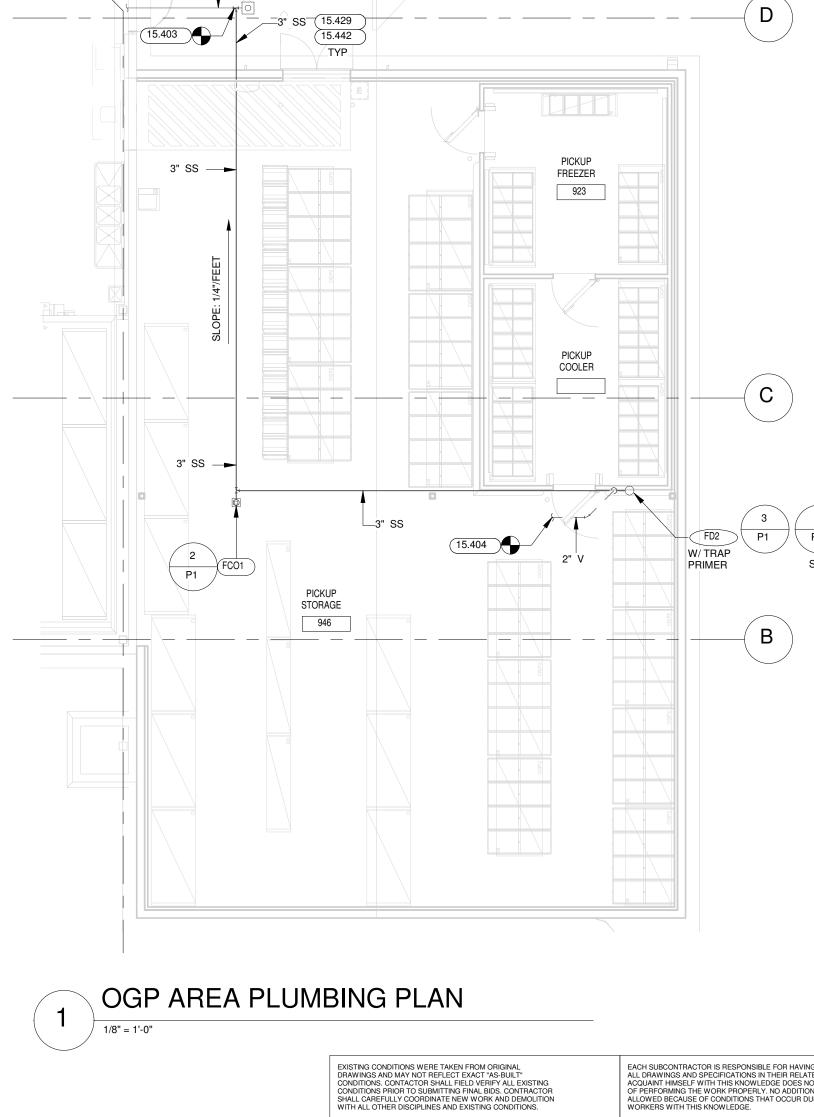




LOCATE HUB DRAIN WHERE SHOWN ON DIMENSIONED PLUMBING FLOOR PLAN.



**ROOF DRAIN CALCULATIONS** Roof area: 3230 Sqft Rain fall rate: 1.5" GPM= 3230 sqft x 1.5"/ 12 (in/ft) x 1/60 (min/hr) x 7.48 gal/sqft = 50.3 gal Per 2018 Uniform plumbing code table 1103.3 (for 1/4" slope) required gutter size is 6", 8" provided size (Equivalent Diameter) is : 8.56 inches Per 2018 Uniform plumbing code table 1103.1; size of downspout required is 3", 10" provided size (Equivalent Diameter) is : 10.70 inches 



4" SS ETR (15.422

5.403	CONNECT TO EXIS EQUAL OR LARGE LOCATION, ELEVA SITE.
5.404	CONNECT TO EXIS LARGER SIZE. VEI SITE.
5.422	EXISTING PIPING IN FIELD).
5.429	CUT AND PATCH E SLAB FOR INSTAL UNDERGROUND F EXISTING CONSTE
5.442	REMOVE FIXTURE ABANDONED UND MINIMUM OF 8" BE

# **KEYNOTES**

# XISTING SANITARY PIPE OF GER SIZE. VERIFY SIZE, ATION, AND FLOW DIRECTION AT KISTING VENT PIPE OF EQUAL OR ERIFY SIZE AND LOCATION AT

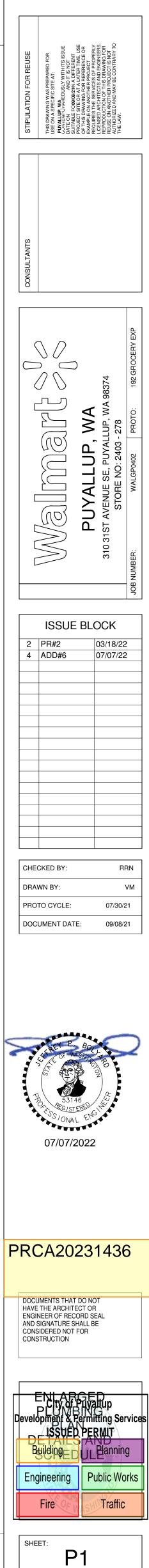
G TO REMAIN (VERIFY LOCATION EXISTING CONCRETE FLOOR

- LLATION OF NEW PLUMBING PIPE. MATCH TRUCTION AND FINISHES.
- RE INCLUDING P-TRAP AND CAP ABANDONED UNDER SLAB WASTE PIPING A MINIMUM OF 8" BELOW FINISHED FLOOR. IT IS NOT REQUIRED TO DEMO UNDER SLAB WASTE PIPING BACK TO ACTIVE MAIN.



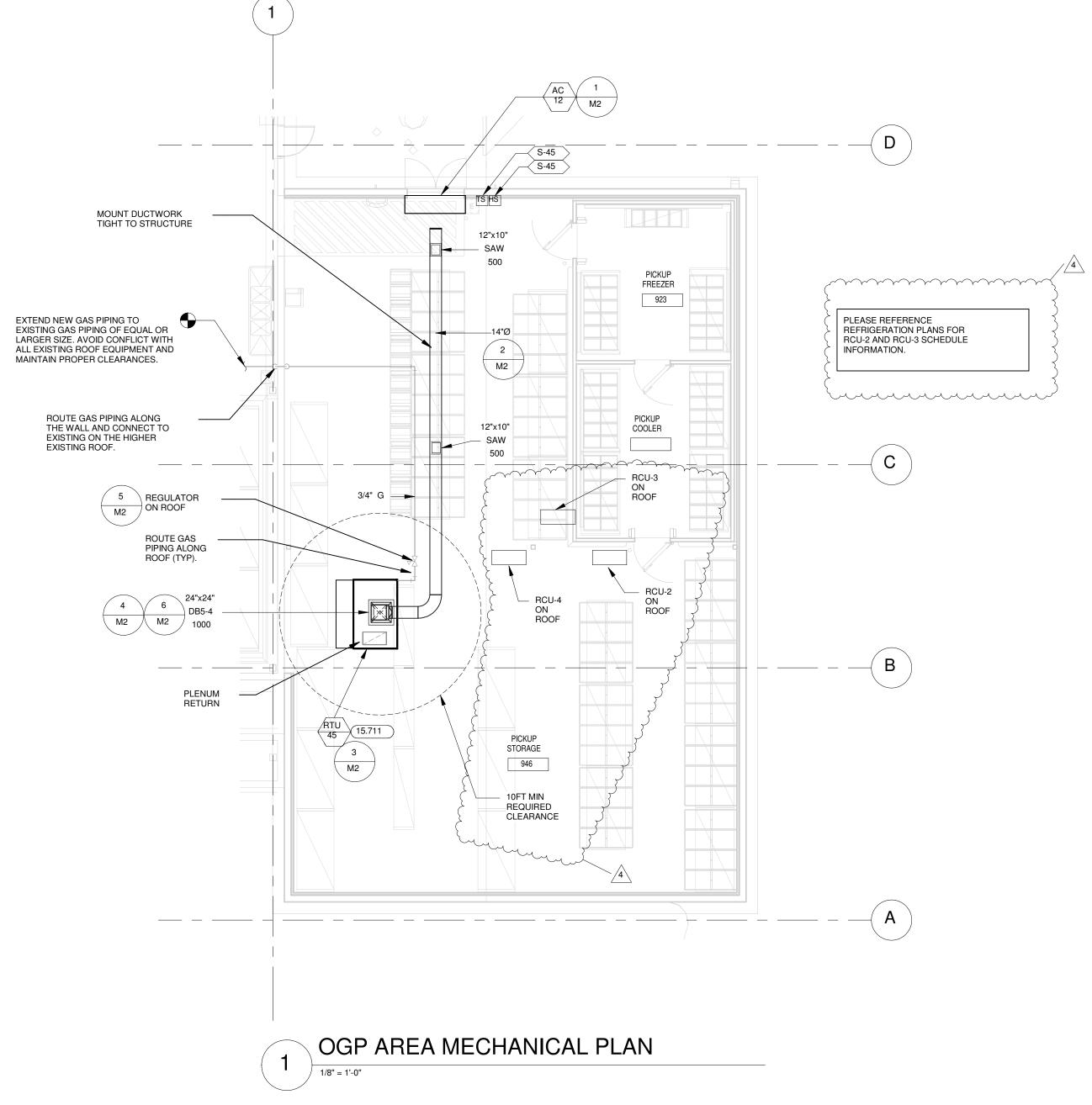
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**KEYNOTES** 

07	RETRO CURB NOTE
	OWNER SHALL FURNISH AND THE CONTRACTOR SHALL INSTALL "RETRO CURB" (AS MANUFACTURED BY AES INDUSTRIES INC., CONTACT CHAD BURT 1-800-786-0402) FOR NEW ROOF TOP UNITS. CONTRACTOR SHALL COORDINATE WITH AES EXACT CURB SIZE NEEDED.
	RETRO CURB SELECTION AND INSTALLATION SHALL BE ADJUSTED FOR ROOF SLOPE TO MAINTAIN LEVEL RTU INSTALLATION AND ADEQUATE CONDENSATE DRAINAGE. ROUTE NEW CONDENSATE TO DRAIN AWAY FROM UNIT DOWN SIDE SLOPE OF ROOF.
	SEE SPECIFICATION FOR ADDITIONAL INFORMATION.

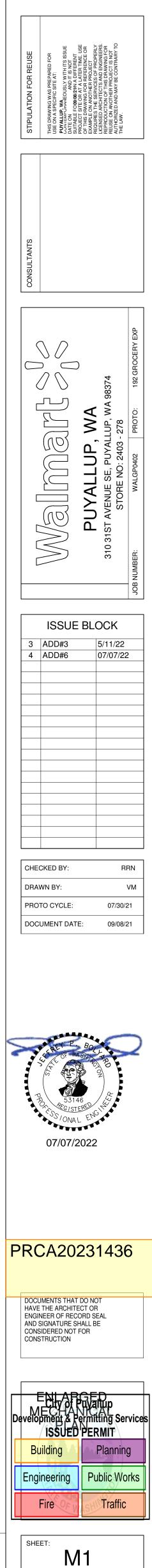
CURB VENDOR TO PROVIDE SIGNED AND SEALED SEISMIC CALCULATIONS FOR CURB CONSTRUCTION AND FOR THE UNIT ATTACHMENT TO CURB.

15.711 REFER TO ARCHITECTURAL ROOF PLAN AND STRUCTURAL PLANS FOR DETAILS OF ROOF CURB INSTALLATION.



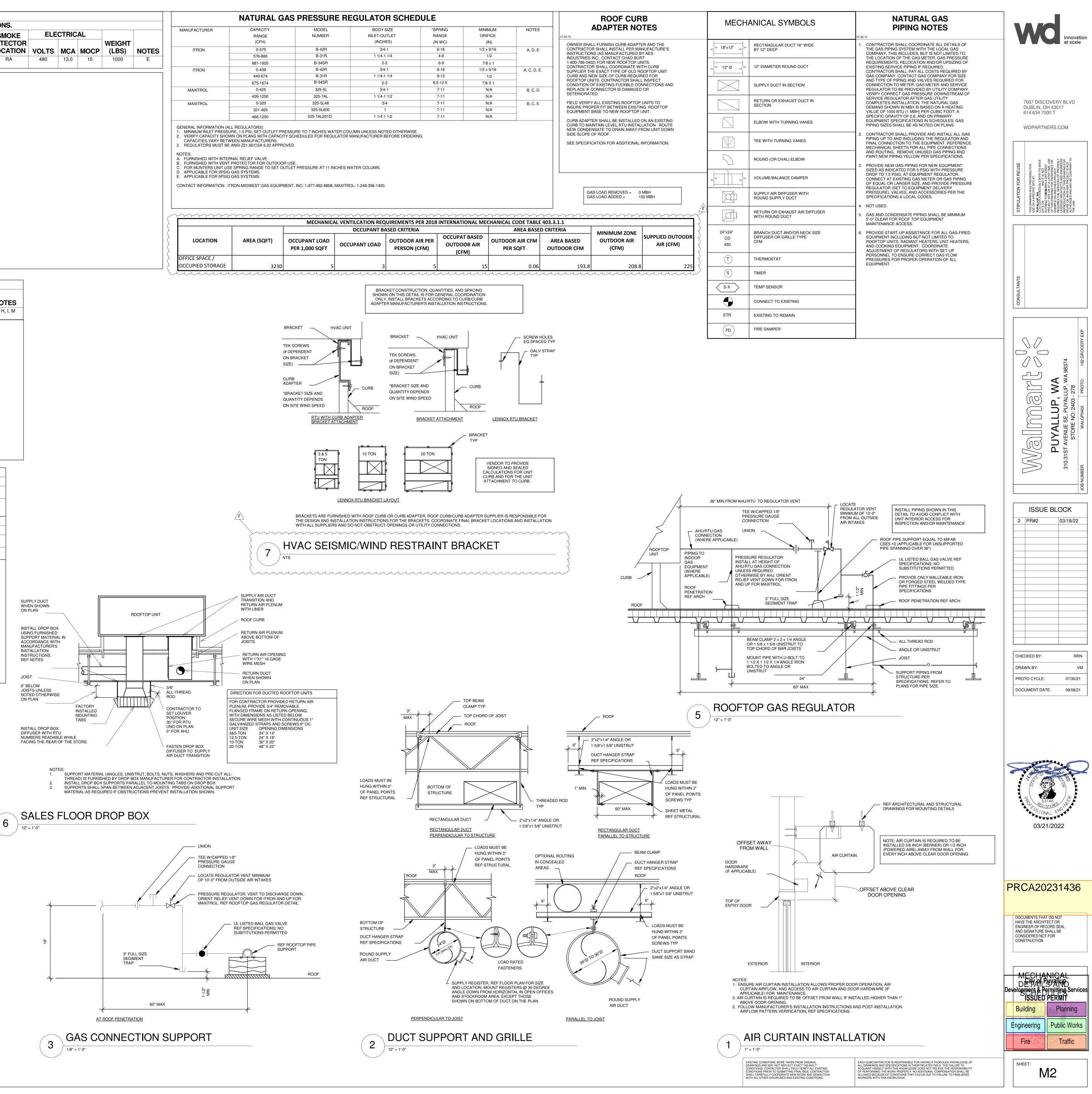
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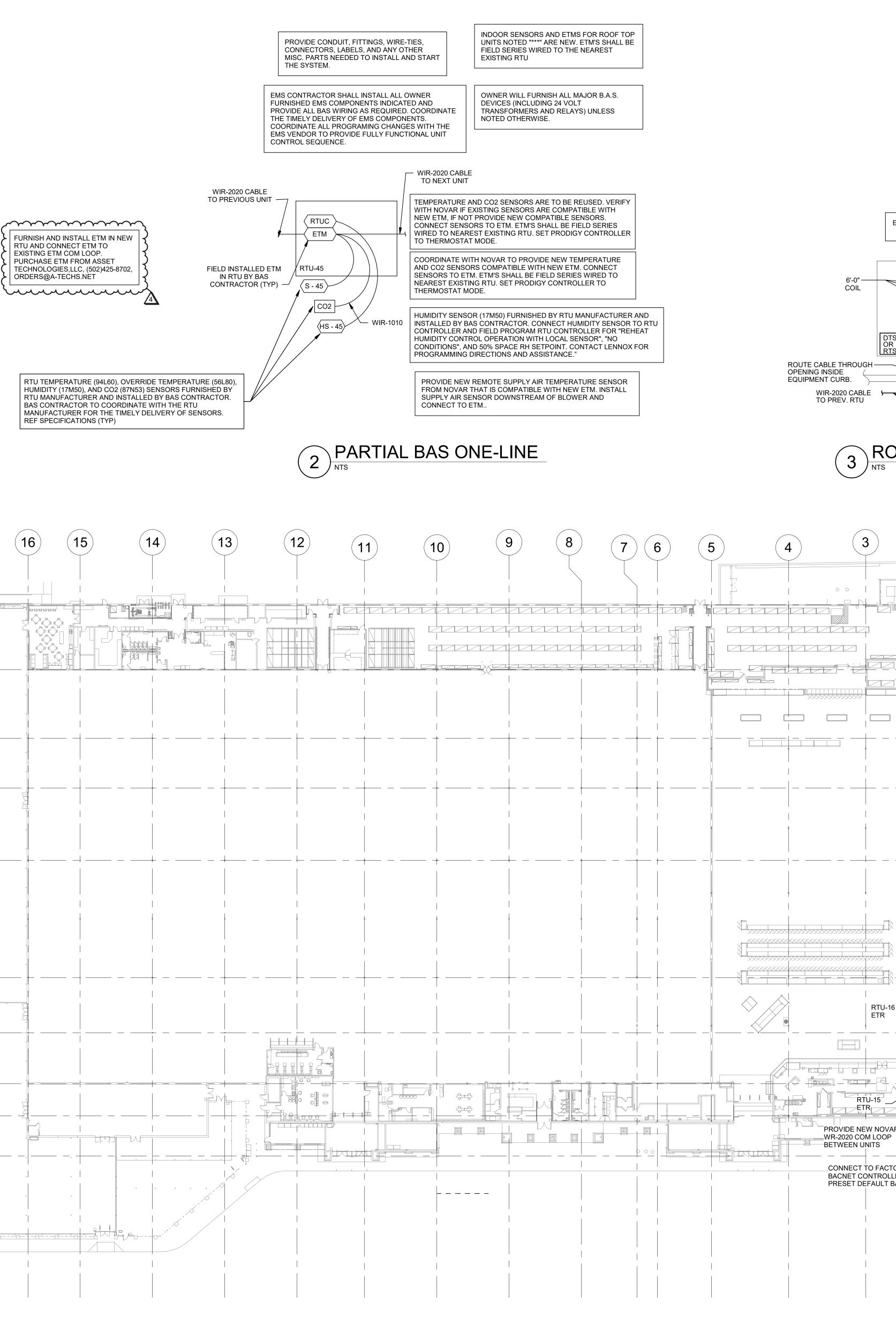
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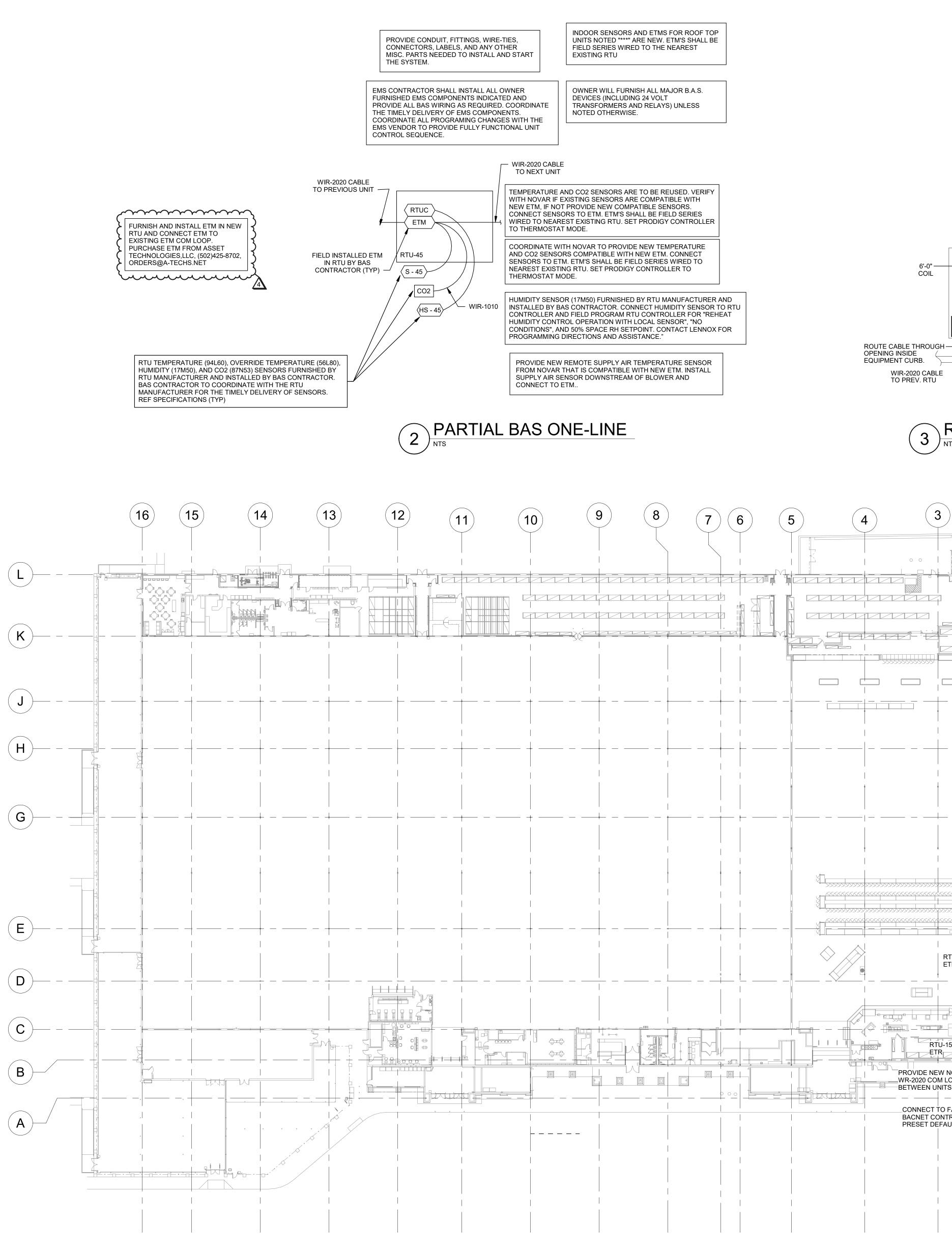


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L PP		ON THIC CO	HEDULE ARE FUF	<u>SNIGHED</u>				CONTRACTO				ΔΤΙΟ
1	AREA		NOMINAL CAPACITY			PLY FAN			CIENCY	HEATING GAS		S DE
<b>K</b> 5	SERVEL PICKUP STORAGE	SGH060H4	EL (TONS)	<b>CFM HP</b> 2000 1.50	(IN.) KIT	AIR CFN 225		RATION SEEI			(KW)	LO
^	AL INFORMATIC ARE 3 PHASE, 60	N (ALL UNITS): HERTZ. UNITS MU	IST BE UL OR ETL AS WELL A THE AIR HANDLING UNITS FC									2010
SHE SEF SHE SHE	ED WITH FAC <sup>-</sup> RANT R-410A. ED WITH FAC <sup>-</sup> OINT POWER	FORY INSTALLED S FORY INSTALLED H AND GAS ENTRY C	MOKE DETECTORS. IACR-TYPE RATED CIRCUIT B CONNECTIONS.	REAKER.							ov 02.1-	_010.
SHI TC SHI	ED WITH FAC O SCHEDULE ED WITH FAC	FORY INSTALLED R NOTES FOR UNIT-S FORY INSTALLED H	RNISHED BY OWNER, INSTAL ITU CONTROLLER. REFER TO SPECIFIC TEMPERATURE SEN IIGH PERFORMANCE, FULLY I ONVENIENCE RECEPTACLE.	SCHEDULE N ISORS.	OTES FOR EMS VENDO				T BRACKET	DETAIL.		
STA SHE :	GE COOLING D WITH 2 INC	G UNITS ARE PROV CH, MERV8 (MINIMU	IDED WITH MULTI-STAGE SUI IM EFFICIENCY REPORTING V	/ALUE) AIR FIL	TER.				S.			
NAL SHE SHE SHE	LY LABEL UN D WITH TEM D WITH OVE D WITH AVEI	NIT "IAQ" IN 3" RED I PERATURE SENSO RRIDE TEMPERATL RAGING TEMPERAT	IED WITH CO2 SENSOR (87N5) LETTERS, REFER TO SPECIFI R (94L60). INSTALLED BY BAS JRE SENSOR (56L80). INSTALI FURE KIT (23M20). INSTALLED	CATIONS. S CONTRACTO LED BY BAS CO D BY BAS CON	DR. ONTRACTOR. TRACTOR.							
AC SHI	ED WITH INSU CTOR TO FOLI ED WITH VER	LATED PANEL BAS OW MANUFACTUR FICAL VENT EXTEN	M50) AND FACTORY INSTALLE E AND ALIGHNMENT BRACKE RER'S INSTALLATION INSTRUC SION KIT WITH VENT CAP LO TE SMOKE DETECTOR TEST \$	ETS FOR MOUN CTIONS. CATED JUST A	NTING TO EXISTING LEN	NOX "L" SERIES ( F UNIT.						
	SHED WITH FAC SHED WITH BAC NSTALLED CON SHED WITH FAC	FORY INSTALLED B NET CARD FOR USE TROLS BY CONTRA FORY APPLIED COF	AROMETRIC RELIEF DAMPEF E WITH BACNET CAPABLE EM CTOR. REFER TO EM SHEET RROSION INHIBITING TREATM	3. AS SYSTEM. S FOR ADDITIC IENT #1 REQU	ONAL INFORMATION. IRED (WITHIN 1 MILE).							
IS	SHED WITH FAC		RROSION INHIBITING TREATM ONDENSATE DRAIN PAN FLC ROPANE KIT.									
		AREA			R CURTAI	N SCHE WEIGHT		E N MOTORS	ELEC		DATA	
_	MARK AC 12	PICKUP STORAGE	MANUFACTUREF BERNER POWERED AIRE		MODEL CHD10-2072A ETA 2-72	(LBS) 169	<b>HP</b> 0.75	VOLTS         PH           120         1	<b>FLA</b> 16.0	<b>MCA</b> 20.0	<b>MOCP</b> 25	A, H
4	AIR CURTAINS F INSTALL BOTTO	RMATION (ALL DEVI FURNISHED AND IN M OF WALL MOUNT			D ON DRAWINGS UNLES					. <u> </u>		
N F	NOTES: FURNISHED WIT	H FACTORY MOUN	ITED NON-FUSED TOGGLE DI	ISCONNECT S'	WITCH LOCATED ON TO	P OF AIR CURTA	IN.		A 1-			
F C L E	FURNISHED WIT CURTAINS AT E JNIT SHALL BE BELOW DOOR T	TH MANUFACTUREF ACH DOOR ON HIG TOP MOUNTED. FO RACK AND SPANN	R'S 120V PHOTOELECTRIC SE GH SPEED WHEN DOOR OPEN OR CURTAIN INSTALLATIONS I NING ENTIRE DOOR OPENING TH TWO AIR CURTAINS TO BE	ENSOR SWITC NS AND DE-EN NOT DETAILED AS REQUIRED	H, SENSOR REFLECTOF ERGIZE AIR CURTAINS ON ARCHITECTURAL D SUPPORT UNISTRUT	R, AND REQUIRED WHEN DOOR CLO PRAWINGS, SUSP FROM STRUCTU	D ACCESSOR DSES. PEND CURTA RE.	INS FROM UNISTRUT I	NSTALLED	=		
	TWO AIR CURTA BERNER SHALL BERNER UNIT S BERNER UNIT S	AINS. BE FURNISHED WI HALL BE FURNISHE HALL BE FURNISHE	TH FACTORY INSTALLED SIN ED WITH TANDEM PERFORMA ED WITH FACTORY INSTALLEI	GLE PHASE CO ANCE KITS. D INTELLISWIT	ONTROL PANEL, LEFT E	ND. ER.				-		
	UNIT SHALL BE OPENS AND CO UNIT SHALL BE INSTALL BOTTO	FURNISHED WITH A NTINUE OPERATIO TOP MOUNTED ANI M OF AIR CURTAIN	A FIELD MOUNTED AND WIRE N FOR 60 SECONDS AFTER D D SUPPORTED FROM STRUC NO HIGHER THAN 8'-0" AFF ACCORDANCE WITH ANSI/AI	D 24V MAGNE OOR CLOSES TURE. REFER INSTALL PER N	TIC LIMIT DOOR SWITCH ENCE MECHANICAL ANI	HAND TIME DELA			N DOOR			
U	JNITS SHALL BE	E BLACK IN COLOR.			TAMPER PROOF COVE	R.						
-												
-	MADY	0ED)#4										 TEO
-	DB5-4	SUPPLY A (4 WAY DROF	AIR AES INDUS P BOX)	STRIES INC	A MODEL ADB-1-10-4 T64	DROF	YLE PBOX USER EDEACE	FRAME TY		ACE SIZE	A, 0	<b>ТЕЅ</b> G, H F H
	SAW	SUPPLY A	E.H.P CAR	NES	T64 520DS RTDBV	REGI	ED FACE STER	SURFACE MOUNT		REFER TO DRAWINGS	В, Е	, F, H
	<b>TYPE</b> ROUND				MANUFACTURER AES / WMVC	/ MODEL						
	RECTANGULAR				RUSKIN / WMR AES / AMD4 RUSKIN / WME							
	INSTALL BOTTO BALANCE DAME	PER CONTACTS:	TED ÁIR DEVICES AT ELEVAT	ION INDICATE	D ON DRAWINGS UNLE	SS NOTED OTHE	RWISE.					
		AES - (800) 786-040 RUSKIN - (816) 761-										
	ALL STÈEL CON ALL ALUMINUM	ISTRUCTION. CONSTRUCTION.	DB8) THROW UNLESS SHOW			ON PLAN.						
).	BRANCH DUCT STANDARD WH PROVIDE NECK DROP BOX DIFF	SIZE SHALL BE SAN ITE FINISH. FOR DUCT CONNE FUSERS FURNISHE	D BY OWNER INSTALLED BY	CONTRACTOF	R. REFERENCE SPECIFIC		SK V⊥↓v ∽					
	PROVIDE MANU PROVIDE WITH TWO 2" SLOTS REFER TO PLAI	JFACTURER'S OPPO FASTENERS FOR ( WITH MANUFACTU NS FOR DIRECTION	ADE DAMPERS ON ALL DRUM OSED BLADE DAMPER ACCES COMPLETE (NON-HINGED) RE RER'S INSULATED PLENUM ( <sup>-</sup> IAL ARROWS INDICATING CFI	SSIBLE THROU MOVABILITY ( TUTTLE & BAIL	JGH FACE UNLESS NOT DF GRILLE. DO NOT PRO EY LP, PRICE JSPI, CAR	ED OTHERWISE. VIDE FILTER UNI NES CXPC.)						
	PROVIDE ROUN	ID NECK ADAPTER										
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1 BUILDING AUTOMATION PLAN

	BAS EQUIPMENT SALVAGE REQUIREMENTS	GE	NERAL BAS NOTES	
	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), CCM(S), ETC. PROVIDE DOCUMENTATION FOR ALL EQUIPMENT REMOVED IN ACCORDANCE WITH SPECIFICATIONS AND REQUIRED CLOSE-OUT DOCUMENTS.	PROVIDE FROM SEI SENSOR ( +84" UNLE SALES FL SIDE OF C SUPPLY A	TURE AND CO2 SENSOR MOUNTING: 1/2" CONDUIT AND INSTALL BAS CABLE NSOR TO CONTROL MODULE. MOUNT ON BOX. ALL SENSORS TO BE MOUNTED AT ESS NOTED OTHERWISE. SENSORS ON OOR SHALL BE INSTALLED ON THE BACK COLUMN. DO NOT INSTALL SENSORS IN HVAC IR PATH OR IN DIRECT SUNLIGHT. REF	innovation at scale
	WIRE LEGEND WIR-1010 (TAN CABLE 18-2, 20-2 TWISTED PAIR)	A. GYPSI RECE	CAL DRAWINGS FOR EXACT LOCATIONS. UM BOARD WALLS: PROVIDE A 4" SQUARE SSED BOX WITH A SINGLE GANG PLASTER FLUSH MOUNTED VERTICALLY.	7007 DISCOVERY BLVD DUBLIN, OH 43017 614.634.7000 T
	WIR-2020 (BLUE CABLE 22-2 TWISTED PAIR) BELDEN 8719 (16-2 TWISTED PAIR)	B. BLOCI	K WALLS AND COLUMNS: PROVIDE A 2"X4" SURFACE MOUNTED VERTICALLY.	WDPARTNERS.COM
	BELDEN 8761 (22-2 TWISTED PAIR) BELDEN 8771 (22-3 TWISTED PAIR)		ATE BEHIND SENSORS MOUNTED ON RIOR WALLS WITH 1/2" POLYSTYRENE ER.	JSE FOR SISSUE SISSUE ENT ME. USE ME. USE ME. USE ME. USE ME. USE AGE OR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR SISCOR
ETMS FOR HVAC UNITS SHALL BE FIELD	BELDEN 9418 (18-4 W/DRAIN GROUND) BELDEN 1120A (18-3 TWISTED PAIR) <u>NOTES</u> : 1. ALL CABLE WIR-2020 UNLESS NOTED OTHERWISE. 2. ALL CABLE FURNISHED AND INSTALLED BY BAS	2. TERMINAT WITH BAS NO FOIL C AFTER AP	IT CO2 SENSORS 6" ABOVE TEMPERATURE ORS. FIONS SHALL BE MADE IN ACCORDANCE SUPPLIER INSTALLATION INSTRUCTIONS. OR UNUSED WIRE(S) SHALL BE EXPOSED OPLICATION OF HEAT SHRINK. ROVIDE CABLE ACCORDING TO DRAWINGS.	STIPULATION FOR REUSE THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT: <b>PUYALLUP,WA</b> CONTEMPORANEOUSLY WITH ITS ISSI SOTTE ON 09/08/21 AND IT IS NOT SOTTE ON 09/08/21 AND IT IS NOT SOTTE ON 09/08/21 AND IT IS NOT SOTTE ON 09/08/21 AND IT IS NOT CONTEMBLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. L OF THIS DRAWING FOR REFERENCE CENNELE ON ANOTHER PROJECT IS NOT REQUIRES THE SERVICES OF PROPEF CENNELE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY THE LAW.
SERIES WIRED TO THE NEAREST RTU	CONTRACTOR.	NO DEVIA CABLES S WHERE T	TION FROM DRAWINGS WILL BE ACCEPTED. HALL HAVE EACH END LABELED INDICATING HE OPPOSITE END TERMINATES. CABLE INSTALLED IN CONDUIT OR CABLE TRAY IN	v tage operations = s = s = t
		IN SALES 4. MINOR CH	AREAS OF BUILDING. EXCEPT HVAC CABLE FLOOR AREA AT BAR JOISTS. IANGES IN MATERIALS OR TERMINATION	
DTS OR RTS RTS RTS RTS RTS ROOF CURB ROOF		5. ROUTE BA WALLS, PI TRANSITIO CONDUIT RUN IN CO REFRIGEF	HALL NOT INCREASE CONTRACT COST. AS CONDUITS IN CONCEALED LOCATIONS (IN IPE RACKS AND/OR CHASES). PROVIDE A ON FROM THE PVC UNDERSLAB BAS TO EMT OR FLEX. BAS CABLES SHALL BE ONDUIT FULL LENGTH, BENEATH RATED CASES. BAS CABLES AT BAR JOIST OPEN SALES AREA AND THE STOCKROOM XPOSED.	CONSULTANTS
6'-0" WIR-2020 CABLE COIL TO NEXT RTU		DEMOLITI DEMOLITI WAY BACI	<u>ON:</u> COORDINATE WITH ARCHITECTURAL ON PLANS THE EXTENT OF BAS ON. REMOVE CONDUIT AND WIRES ALL THE K TO ORIGINATING JUNCTION BOXES OR DEMOLITION SHALL NOT AFFECT ACTIVE	98374 OCERY EXP
TO NEW SENSOR		CIRCUITS 7. BAS CONT THE BAS		JP, WA
ROOFTOP UNIT DETAIL		8. DIMMING HOME RU		UP,V LP,V 2403 - 278 2203 - 278
		FIXTURE'S CONTROL	FIONS. DO NOT MODIFY THE LISTED S WIRING HARNESS OR TERMINATE . WIRING IN THE ADJACENT FIXTURES. NSTALL EQUIPMENT OR CONDUITS	
2 1		DIRECTLY INDICATEI 10. WHERE G	' UNDER SKYLIGHT WELLS UNLESS D OTHERWISE ON PLANS. ROUPED CONDUITS ARE INSTALLED WITHIN	
		CONTRAC	T SPACE, COORDINATE WITH SPRINKLER CTOR PRIOR TO INSTALLATION IN ORDER TO REQUIRED CLEARANCES FROM CRS.	310 3·
		SYSTEMS SYSTEMS THE E-MA IS BEING S ANTICIPA FOLLOW U	S PRIOR TO SHUTTING DOWN HVAC OR ENERGY MANAGEMENT CONTROLS , SEND EMAIL TO NSRM@WALMART.COM. IL SHALL STATE WHAT, WHY, AND WHEN IT SHUT DOWN AND HOW LONG IT IS TED TO BE SHUT DOWN. THEN SEND A JP EMAIL TO NSRM@WALMART.COM AFTER K IS COMPLETE AND THE SYSTEM IS BACK UNNING.	ISSUE BLOCK 4 ADD#6 07/07/22
			BAS SYMBOLS	
		AHUC AHUS#>	AHU CONTROLLER AHU TEM/RH SENSOR	
		ALS	ANALOG LIGHT SENSOR ELECTRONIC THERMOSTAT MODULE	
		IDS IHS	INDOOR DEWPOINT SENSOR	
		ITS     ODS	INDOOR TEMPERATURE SENSOR OUTDOOR DEWPOINT SENSOR	
		OTS S-X	OUTDOOR TEMPERATURE SENSOR WALL TEMPERATURE SENSOR	CHECKED BY:     SG       DRAWN BY:     NS
			UNIT HEATER TEMPERATURE SENSOR	PROTO CYCLE:         07/30/21           DOCUMENT DATE:         09/08/21
DISCONNECT AND REMOVE		HS-X      RTUC	WALL HUMIDITY SENSOR ROOFTOP UNIT CONTROLLER	
COM LOOP SECTION AND PROVIDE COM WIRING TO AN EXISTING ADJACENT RTU AS		EICB	EQUIPMENT INTERFACE COMM BOARD	
EMS EMS		BAP CO2	BUILDING ALARM PANEL CARBON DIOXIDE SENSOR	al
		FDI	FLUORESCENT DIMMER INTERFACE	ST GORY B. HOLAN
TU-16		HIR	HUMIDITY INTERFACE RELAY	
		IFP	INTERFACE PANEL	51865 SCISTERED SSIONAL ENG
		IOM	INPUT/OUTPUT MODULE	07/07/2022
A A A A A A A A A A A A A A A A A A A		C#	CONTACTOR	
		MINio PLM	AHU INTERFACE AND/OR I/O MODULE PHASE LOSS MONITOR	
OVAR RTU-45		PSOP	POWER SWITCHING OVERRIDE PANEL	
		ROP	POWER SWITCHING PANEL	
ACTORY INSTALLED ROLLER WITH OEM JLT BAUD RATE, TYP		ELDP	ECLIPSE LIGHT DIMMING PANEL	PRCA20231436
		UCM ES1	UNITARY CONTROL MODULE BAS CONTROLLER	
		LINGO EP/2	BAS CONTROLLER	HAVE THE ARCHITECT OR ENGINEER OF RECORD SEAL AND SIGNATURE SHALL BE
		LINGO XE	BAS CONTROLLER NOVAR LCD DISPLAY	CONSIDERED NOT FOR CONSTRUCTION
		NOS	NIGHTTIME OVERRIDE SWITCH	
		<u>(</u> )	MOMENTARY PUSH BUTTON SWITCH	Blith of Dilan G Devaloging (Carrier Carrier Carr
	NOTE: ALL WORK ON THIS SHEET		EXISTING EQUIPMENT	Building A Planning
	IS TO BE COMPLETED BY A WALMART APPROVED CONTRACTOR	 	FACTORY INSTALLED EQUIPMENT EQUIPMENT TO BE DEMOLISHED	Engineering Public Works
				TEIRO Traffic.
	EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTACTOR 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.	ALL DRAWINGS AND ACQUAINT HIMSELF OF PERFORMING TH	TOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY E WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE S KNOWLEDGE.	BAS1

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ADJUST THE VERY TO SOLVED UNIT WHILE AND THE THE ATOM IS AN OT GET A 200.     You should be approximately and an approximately and an approximately and approximately a
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HIN THE SAVE HUNDER VERSED SCHEDULE IN SETTIONT, THE GEM CONTROLLER AND LEVERAGE DEHUNDERCOMMUNICATIONS ADDOCH HUNDER CONTROLLER SHALL DEEDERGET INE CONTROLLER SHALL DERGE THE CONTROLLER SHALL DERGE THE CONTROLLER SHALL DEEDERGET IN CONTROL THE DEE CONTROLLED BY THE CONTROL THE THE CONTROL THE SHALL DEEDERGET IN CONTROL THE SHALL DERGE SHALL DERGE CONTROLLER SHALL DER CONTROL THE SHALL DERGE SHALL DERGE STREM SHALL DER CONTROL THE SHALL DERGE
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TOR RED BENNIFED IN THE MICHANICAL SCHEDULE TO BE "CONT PAN CONTROL. THE BAS SHALL ENERGIZE THE SUPPLY FAIL TO PREATE ONLY ON A CALL FOR HEATING OR COOLING. TOR REJUB ENERGIES THE SUPPLY FAIL TO OPERATE ONLY ON A CALL FOR HEATING OR COOLING. TOR REJUB ENERGIES THE SUPPLY FAIL TO OPERATE ONLY ON A CALL FOR HEATING OR COOLING. TOR REJUB ENERGIES THE SUPPLY FAIL TO OPERATE ONLY ON A CALL FOR HEATING OR COOLING. TOR REJUB ENERGIES THE SUPPLY FAIL TO OPERATE ONLY ON A CALL FOR HEATING OR COOLING. TOR REJUB ENERGIES THE SUPPLY FAIL OF OPERATION. THE FOR ANY END SALE CONTROLLED Y THE OWN CONTROLLER NAMEL SYEED FAIL ON OPERATION. THE THE ANS END AND ECONTROLLED Y THE OWN CONTROLLER NAMELS SYEED FAIL OPERATION. THE ANY END SALE CONTROLLED Y THE OWN CONTROLLER NAMELS SYEED FAIL ON COMPRESSION COMPRESSION COMPARY SEARCH ON THE SHEED FAIL OWN DETERMINED BY ORE AND RECOVERESSION COMPARY SEARCH ON THE OWN DETERMINATE STITUS ON THE OWNED AND AND SETTING UNLESS OPERATION ON COMPARY SEARCH ON THE OWNED THE OWNED AND REATING ON THE OWNED AND REATING ON THE MICHAIN CONTROL ON THE MICHAIN CONTROL ON THE OWNED AND AND THE OWNED AND AND THE CONTROL ON THE MICHAIN CONTROL ON THE
EXERCISE THE SUPPLY FAIL TO OPERATE ONLY ON A CALL FOR HEATING OR COUNCI. EXERTISE WITH VARAGE SPEED FOR OPERATE ONLY ON A CALL FOR HEATING OR COUNCIL SERVICES OF A MONITOR OPERATION IN FRAIN SECONDARY VARIABLE SECTION CALL BOY THE OBE MALE ANALE LINEAR OF A MONITOR OPERATION THE FAIL SECONDARY OF TO POSITION AND AND SETTING DETERMINED BY ORE NAMED OF A MONITOR OPERATION THE FAIL SECONDARY OF TO POSITION. WIEN THE SUPPLY FAILS OF, THE OUTSIDE AND AMPER SHALL GO TO THE 0% OPEN POSITION. MULESS OPERATION SHALL BE CONTROLLED THE SUPPLY FAILS ON THE OUTSIDE AND AMPER SHALL GO TO THE MURINUM POSITION SET BY TEST AND BALANCE FER THE OUTSIDE AND AND MENT SHALL BE DETERMINED TO AND THE OPENATION WIEN THE SUPPLY FAILS OF, THE OUTSIDE AND AMALES OPENATION SOLUTION. MULESS OPERATION SHALL FOR THE SUPPLY FAILS ON THE OUTSIDE AND ACALL FOR COOLING OF THE MURINUM POSITION SET BY TEST AND BALANCE FER THE OUTSIDE AND ACALL FOR COOLING DISTOR AND ADMUSTABLE FRANCES SOLUTION TO THOM. ECONOMER COOLING OPERATION ICCOMMENDER EMALED) LINESS OPERATION THE OPENATION TO THOM. ECONOMER COOLING OPERATION ICCOMMENDER EMALED) DISTOR AND COMMENTER FRANLES SOLUTION TO THE COUNS OPEN ADD ACALL FOR COOLING OF BANNING AS SUPPLY AT INTERPRETATION TO THE OWN OPEN ADD ACALL FOR COOLING OF BANNING AS SUPPLY AT INTERPRETATION TO THE COUNT OF AND ACALL FOR COUNTROLLER SHALL DEAL ECONOMER OUTSIDE AND THE OPEN CONTROLLER SHALL LINES COOLING OF FOR A MINIMUM OF O MINITES ATTER THE ECONOMER FOR ADMINISTIC TO THE COOL ONDER THE OWN OPEN AS MINIMA OF THE OWN OPEN AS MINIMA OF THE OWN OPEN AS MINIMA OF THE OWN OPEN ADMINISTICAL FOR ADMIN
CONTROLLER BASED ON ADMUNT OF OPERATING COMPRESSOR CAPACITY. VARIABLE SPEED FAN CONTROL BANKL RANGE IN LARK VOR IN DECERT STAGES FROM MUNICULAR THE TOUS OF OPERATING ECONOMIZER SHALL RANGE IN LARK VOR IN DECERT STAGES FROM MUNICULAR THE DECEMPTORY OF TROM WERN THE SUPPORTUNE TO ADMINISTRY MORE THAN THE OWNER SHALL GO TO THE DW. OPEN POSITION. UNLESS DEFEATION IN ECONOMIZER MODE WHEN THE SUPPORTY FAN IS ON THE OUTSIDE AR DAMPER SHALL GO TO THE UNKNIMM POSITION SET OF TEAT AND BLANCE PER THEOUTSIDE AR OUANTITY ON THE MECHANICAL SCHEDULE AND IS ADJUSTRALE FROM TO TOUR. ECONOMIZE OPENATION IN ECONOMIZER MODE WHEN THE SUPPLY FAN IS ON THE OUTSIDE AR OUANTITY ON THE MECHANICAL SCHEDULE AND IS ADJUSTRALE FROM TO TOUR. ECONOMIZE OPENATION IN ECONOMIZER HOME FEATING THE DUTSIDE AR OUANTITY ON THE MECHANICAL SCHEDULE AND IS ADJUSTRALE FROM TO TOUR. ECONOMIZE ODEOLING OPERATION IN ECONOMIZER EXAMILED UPENA HE GENOMONIZER MODE WHEN THE SUPPLY FAN IS ON THE OUTSIDE AR ADD RETURN ARE DAMPER STO MANTAIN A SUPPLY ART EXPERANCE OF ADD. THE UNIT SHALL BAND RETURN ARE DAMPERS TO MANTAIN A SUPPLY ART EXPERIENCE OF ADD. THE UNIT SHALL BAND RETURN ARE DAMPERS TO MANTAIN AS UPPLY ART EXPERIENCE OF ADD. THE UNIT SHALL BAND RETURN ARE DAMPERS TO MANTAIN AS UPPLY ARE TRANSPORTANCE OF ADD. THE UNIT SHALL BAND RETURN ARE DAMPERS TO MANTAIN AS UPPLY ARE TRANSPORTANCE OF ADD. THE UNIT SHALL BAND RETURN ARE DAMPERS TO DAMPERS TO MANTAIN THE OF UNIT SHALL BAND RETURN ARE DAMPERS TO DEPENDENT THE CHEMICANTER AND ADMINISTING THE OWN OTHOR ARE SERVICE IS STANK AS DEF. IF THE SPACE TEMPERATURE RETURN THE OWN THE DEMO OTHOR ARE SHALL DISUBLE HERDING. IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS EVERGUED. THE OCOMONIZER DAMMENTS OF SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS EVERGUED. THE NEXT STAGE OF COOLING SHALL BE EVERED ADMATING THE OUTSIDE AND ADMERT AT THE IOUN OF DE POSITION. IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS EVERGUED. THE NEXT STAGE OF COOLIN
DETERMINED BY DEM BASED ON COMPRESSOR CAPACITY CONTROL. SUPPLY PAIL SPEED DURING ECONOMIZER MECHANICAL SCHEDULE UNISES AFEADRATE DE ONTITUEDE BY THE OWNED BY THE OWNED AND SHALL BE AT DESIGN ARRADY FROM MECHANICAL SCHEDULE UNISES AFEADRATE OFF. THE OUTSIDE AIR DAMPER SHALL GO TO THE 0% OPEN POSITION. UNIESS OPERATION IS ECONOMIZER MODE, WHEN THE SUPPLY FANIL GO TO THE 0% OPEN POSITION. UNIESS OPERATION IS ECONOMIZER MODE, WHEN THE SUPPLY FANIL ON THE OUTSIDE AIR DAMPER SHALL GO TO THE INIMUM POSITION SIT BY TEST AND BALANCE PER THE OUTSIDE AIR QUANTITY ON THE MEICHANICAL SCONOMIZER COOLING OPERATION (ECONOMIZER FAMILED) UPON AN ECONOMIZER FOMEL SCHOOL (ECONOMIZER FAMILED) ENERGIZION THE THE ECONOMIZER DAMPER INS MODULATE THE OUTSIDE AIR ADD (ETUN AIR DAMPERA) ENERGIZION THE REST STAGE MECHANICAL COLLING SCHOOL (ET SCHOOL
DUTDED ARE DUPPEY FAILS OFF, THE OUTSIDE AIR DAMPER SHALL GO TO THE 0% OPEN POSITION.         WHEN THE SUPPEY FAILS OFF, THE OUTSIDE AIR DAMPER SHALL GO TO THE DWS OPEN POSITION.         UNLESS OPERATION IN ECONOMIZER MODE, WHEN THE SUPPLY FAN IS ON THE OUTSIDE AIR DAMPER SHALL GO         DO THE HAMMINIA POSITION SET 6W TEST AND BALANCE PER THE OUTSIDE AIR DAMPER SHALL GO         SCHEDULE AND SAULSTRALE FROM OF TO 10%.         ECONOMIZER COULING DEPRATION (ECONOMIZER HAMBLED)         DOWN AN ECONOMIZER HAMBLED SUPPLY AND SAUL FOR COULING AND A SALL FOR COULING FOR AND SAUL FOR COULING FAILS         ECONOMIZER COULING CHARACTER DEPRATION (ECONOMIZER HAMBLED)         DOWN AND THE OPEN CONTROLLER SHALL MODULATE TO THE OUTSIDE AIR AND RETURN AND CAMPER STOMMAND OF THE DAY TO THE OUTSIDE AIR AND RETURN AND AND AND AND AND AND AND AND AND AN
TO THE MINIMUM POSITION SET BY TEST AND BALANCE FER THE OUTSIDE AR QUANTITY ON THE MECHANICAL SOLUTION ECONOMIZER ENABLES OF MEDIA OF 010%. SOLUTION ECONOMIZER ENABLES OF MEDIA OF 010%. SOLUTION ECONOMIZER ENABLES OF MEDIA TO THE CON CONTROLLER AND A CALL FOR COOLING SHALL BE ENERGIZE AT AN THE OWN CONTROLLER AND A CALL FOR COOLING SHALL BE ENERGIZED AND THE OWN CONTROLLER AND A CALL FOR COOLING SHALL BE ENERGIZED AND THE OWN CONTROLLER AND A COULT THE OWN CONTROLLER. CONNIZER MODE FOR A MINIMUM OF 10 MINITES AT THE ECONOMIZER COMPREST OF MAINTENA A SUPPLY AIR TEMPERATURE OF 40 DF. THE UNIT SHAL FUL IN IN ECONOMIZER MODE FOR A MINIMUM OF 10 MINITES ATTER THE ECONOMIZER COMPREST ON THE UNIT SHAL FUL IN IN ECONOMIZER MODE FOR A MINIMUM OF 10 MINITES ATTER THE ECONOMIZER COMPREST ON THE UNIT OF THE 100% OPEN POSITION ELECTION AND THE FOR ONTITICE OF MEDIA THE OWN OF 10 MINITES ATTER THE ECONOMIZER COMPREST ON THE OWN OPEN FOR A MINIMUM OF 10 MINITES ATTER THE ECONOMIZER COMPREST ON THE OWN OPEN FOR A MINIMUM OF 10 MINITES ATTER THE ECONOMIZER THE ECONOMIZER THE ECONOMIZER THE ECONOMIZER THE INSTITUTE INCREMENTS OF SPACE TEMPERATURE FOR ANY STAGE MEDIA MODIANT OF 10 MINITES. THE THE 100% OPEN FORSITON. THE OWN OPEN FOR A MINIMUM OF 10 MINITES. THE OWN OPEN FORMAL COOLING IN 05 DEG F MINIMUMS TO FORMALIZE FIRST STAGE MECHANICAL COOLING A MAINTAIN THE OUTSIDE AIR DAMPER AT THE 100% OPEN FORSTON. THE OWN OPEN FORMAL COULING AND AND MAINTAIN THE OUTSIDE AIR DAMPERA THE 100% OPEN FOSTON. THE OWN OPEN FAMILES AND
ECONOMIZER COOLING OPERATION (ECONOMIZER ENABLED)         UPON AN ECONOMIZER ENABLE SIGNAL FROM THE BAST TO THE OWN CONTROLLER AND A CALL FOR COOLING SHALL BE ENABLED THE OWN CONTROLLER SHALL NOULLATE THE OWN CONTROLLER AND A CALL FOR A MINIMUM OF 10 MINUTES ATTER THE PERCENTURE OF 45 DF. THE UNIT SHALL RUN IN ECONOMIZER NODE FOR A MINIMUM OF 10 MINUTES ATTER THE FEOROMIZER DAMEEN HAS MODULATE TO TO THE 100% OPEN POSITION BEFORE ENABLED THE OWN CONTROLLER SHALL MAN IN ECONOMIZER MODE FOR A MINIMUM OF 10 MINUTES ATTER THE ECONOMIZER DAMEEN HAS MODULATED TO THE 100% OPEN POSITION BEFORE ENABLED THE FIRST STAGE MECHANICAL COOLING. THE CEM CONTROLLER SHALL DISALE MECHANICAL COOLING WHEN OUTSIDE AIR THEMPERATURE ROOM THE OWN CONTROLLER SHALL DISALE MECHANICAL COOLING WHEN OUTSIDE AIR THEMPERATURE ROOM THE OWN CONTROLLER SHALL ENABLE MECHANICAL COOLING WHEN DAMINITA THE OD SIDE AR DOWNER AT THE INFO OWN CONTROLL. STAGE MECANIMAL. COOLING AND MANITAIN THE OUTSIDE AR MOMEREAT THE UNITS OF DEN FOSTION.         IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS NOT REACHED WITHIN 15 MINUTES. THE OCH CONTROLLER SHALL CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS NO 5 DEG F INCREMENTS OF SPACE TEMPERATURE. IF AVAILABLE.         IF THE CUTOUT TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS NO TREACHED WITHIN 15 MINUTES. THE OWN CONTROLLER SHALL DEFENDENCE TO SATISFY THE CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS.         COOLING STAGES SHALL DEFENDENCIER DAS TO THE OEM CONTROLLER AND UPON A CALL FOR COOLING STAGES SHALL DEFENDENCIER DASAILER ON THE BAS TO THE OEM CONTROLLER AND UPON A CALL FOR COOLING STAGES SHALL DEFENDERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES.         COOLING STAGES SHALL DEFENDENCE       SPE-10         SP1-10
ENERGIZED AND THE OEM CONTROLLER SHALL MODULATE THE OUTSIDE AIR AND RETURN AIR DAMPERS TO MAINTAIN A SUPPLY AIR TEMPERATURE OF 450 CHILL RUIN IN ECONMIZER MODE FOR A MINIMUM OF 10 MINUTES AFTER THE ECONOMIZER DAMPER HAS MODULATED TO THE 100% OPEN DOSITION BEFORE ENERGIZING THE FIRST STAGE MECHANICAL COOLING. THE OEM CONTROLLER SHALL DISABLE MECHANICAL COOLING WHEN OUTSIDE AIR TEMPERATURE FROM THE DEM OUTDOOR AIR SENSOR IS LESS THAN 45 DF. If THE SPACE TEMPERATURE CONTINUES TO A DE DEA GROES SPACE COOL NG BEFTORM TAND THE ECONOMIZER DAMPER HAS BEEN 100%, OPEN FOR A MINIMUM OF 10 MINUTES. THE OEM CONTROLLER SHALL DEGREZE FIRST STAGE MECHANICAL COOLING AND MAINTAIN THE OUTSIDE AIR DAMPER AT THE 100% OPEN POSITION. If THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED. THE OEM CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL. STAGES OF MECHANICAL COOLING IS DERERGIZED. THE OEM CONTROLLER SHALL DE CONTINUES TO INCREASE AFTER MECHANICAL. COOLING IS NERREGIZED. THE OEM CONTROLLER SHALL DE ENERGIZE ADDITIONAL. STAGES OF MECHANICAL COOLING IS 0.5 DEG F INCREMENTS OF SPACE TEMPERATURE, FAVAILABLE. IF THE QUITOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES. THE NEXT STAGE OF COOLING STAGES THE OUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES. THE NEXT STAGE OF COOLING STAGES THE OUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES. THE NEXT STAGE OF ONO STAGES THE OFFENTON. IF THE SPACE TEMPERATURE E EXAMINES TO THE OEM CONTROLLER AND UPON A CALL FOR COOLING GARGE CINCLE DEMALLS GIGNAL FROM THE BAS TO THE OEM CONTROLLER, AND UPON A CALL FOR COOLING AND STAGES ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE OTHING THE MANNES THE SPACE TEMPERATURE E FAVAILABLE. IF THE SPACE TEMPERATURE E ENANDIAL INPUT TO THE OEM CONTROLLER, THE OTHING AND MODULATE THE OUTSIDE AIR DAMPER TO THE MINIMUM POSITION. IF THE SPACE TEMPERATURE E CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM CONTROLLER
ENERGIZING THE FIRST STAGE MECHANICAL COOLING. THE OEM CONTROLLER SHALL DISABLE MECHANICAL COOLING COULING WITH OUTSIDE AR TEMPERATURE FROM THE OEM OUTDOOR AR SENSOR IS LESS THAN 45 DF. COULING SHE OUTSIDE AR TEMPERATURE INCREASES TO >= 0.5 DEG AGOVE SPACE COOLING SETPOINT AND THE ECONOMIZER DIAMIDER HAS BEEN 100% OPEN FOR A MINIMUM OF 10 MINUTES, THE OEM CONTROLLER SHALL ENROLLER FIRST STAGE MECHANICAL COOLING AND MAINTAIN THE OUTSIDE ART DAMPER AT THE 100% OPEN POSITION. If THE SPACE TEMPERATURE CONTINUES TO INOREASE AFTER MECHANICAL COOLING IS ENERGIZED THE OEM CONTROLLER SHALL ENROLLER IN THE OUTSIDE ADDITIONAL STAGES OF MECHANICAL COOLING IN 0.5 DEG P INOREMANY TO DENGROY ADDITIONAL STAGES OF MECHANICAL COOLING IN 0.5 DEG P INOREMANY THE OUTSIDE ADDITIONAL STAGES OF MECHANICAL COOLING IN 0.5 DEG P INOREMANY TEMPERATURE IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF COOLING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS.
DAMPER HAS BEEN 10% OPEN FOR A NIMIMUM OF 10 MINUTES, THE 0EM CONTROLLER SHALL ENERGIZE FIRST STAGE MECHANICAL COOLING AND MAINTAIN THE OUTSIDE AR DAMPER AT THE 100% OPEN POSITION. IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES OF MECHANICAL COOLING IS 0.5 DEG F INCREMENTS OF SPACE TEMPERATURE, FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 16 MINUTES, THE NEXT STAGE OF COOLING STALL DE-ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE. COOLING STAGES SHALL DE-ENERGIZED TO SATISFY THE CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS.
IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED. THE OEM CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES OF MECHANICAL COOLING IN 0.5 DEG F INCREMENTS OF SPACE TEMPERATURE; IF AVAILABLE. IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF COOLING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. INCREMENTS. I
INCREMENTS OF SPACE TEMPERATURE, IF AVAILABLE. IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF COOLING SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS. TOOLING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS. TO OULING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 TO OULING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 TO OULING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 TO OULING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR THE OF OUR CONTROLLER AND UPON A CALL FOR COOLING BASED ON THE SP3-5 TO SP4-5 TO THE SINUM POSITION. COOLING STAGES HON THE SATURE SENSOR INPUT TO THE OEM CONTROLLER, THE OEM CONTROLLER SHALL ENERGIZE FIRST STAGE MECHANICAL COOLING AND MODULATE THE OUTSIDE AIR DAMPER TO THE MINIMUM POSITION. IF THE SPACE TEMPERATURE SONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM CONTROLLER SHALL CONTINUE TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM CONTROLLER SHALL CONTINUE TO INCREASE AFTER MECHANICAL COOLING IS 0.5 DEG INCREMENTS OF SPACE TEMPERATURE, IF AVAILABLE. IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF COOLING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS. TATOLE Y ON ON OFF TO THE STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS. TATOLE Y ON ON OFF TO SPACE TEMPERATURE, IS SP3-5 TO OULING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS. HEATING OPERATION HEATING OPERATION HEATING OPERATION HEATING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE
STAGE OF COOLING SHALL BE ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES.         COOLING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5         DEGREE INCREMENTS.         TAGE #       ON         ON       OPF         ECONOMIZER       SP+.5         1       SP+1.0         2       SP+1.5         3.8.4       SP+2.0         COOLING OPERATION (ECONOMIZER DISABLED)         IF THERE IS NOT ECONOMIZER CHABLES GIGNAL FROM THE BAS TO THE OEM CONTROLLER AND UPON A CALL FOR         COOLING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE OEM         CONTROLLER SHALL ENERGIZE FIRST STAGE MECHANICAL COOLING AND MODULATE THE OUTSIDE AIR DAMPER         TO THE MINIMUM POSITION.         IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM         CONTROLLER SHALL CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE COM         IF THE SPACE TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT         STAGE OF COOLING STAGES         INCREMENTS.         STAGE Y       ON         OOLING STAGES       SP+1.0         SPACE TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT         STAGE OF COOLING STAGES       SP+1.0         SPALE ON       OFF
DEGREE INCREMENTS.         Image: Strage # ON OFF         ECONOMIZER SP+5       SP-5         1       SP+10         2       SP+15         3 & 4       SP+20         COOLING OPERATION (ECONOMIZER DISABLED)         IF THERE IS NO ECONOMIZER ENABLEDD)         IF THERE IS NO ECONOMIZER ENABLED         IF THERE IS NO ECONOMIZER ENABLED         IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING AND MODULATE THE OUTSIDE AIR DAMPER         TO THE MINIMUM POSITION.         IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM         CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES OF MECHANICAL COOLING IS ENERGIZED, THE OEM         CONTINUE TO ENERGIZE ADDITIONAL STAGES OF MECHANICAL COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT         STAGE OF COOLING STAGES         SHALL DE ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5         DEGREE INCREMENTS.         IF THE COOLING STAGES         STAGE # ON       ON         ON OFF      <
STAGE #       ON       OFF         ECONOMIZER       SP+.5       SP5         1       SP+1.0       SP         2       SP+1.5       SP+.5         3.8.4       SP+2.0       SP+1.0         COOLING OPERATION (ECONOMIZER DISABLED)       If THERE IS NO ECONOMIZER ENABLE SIGNAL FROM THE BAS TO THE OEM CONTROLLER AND UPON A CALL FOR COOLING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE OEM CONTROLLER SHALL ENERGIZE FIRST STAGE MECHANICAL COOLING AND MODULATE THE OUTSIDE AIR DAMPER TO THE MINIMUM POSITION.         IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES OF MECHANICAL COOLING IN 0.5 DEG INCREMENTS OF SPACE TEMPERATURE, IF AVAILABLE.         IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF COOLING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE.         COOLING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS.         E       COOLING STAGES         3       SP+1.5         3       SP+1.5         3       SP+1.5         4       SP+2.0         4       SP+2.0         HEATING OPERATURE       SP+1.0
1       SP+1.0       SP         2       SP+1.5       SP+.5         3.8.4       SP+2.0       SP+1.0         COOLING OPERATION (ECONOMIZER DISABLED)       IF THERE IS NO ECONOMIZER ENABLE SIGNAL FROM THE BAS TO THE OEM CONTROLLER AND UPON A CALL FOR CONTROLLER SHALL ENERGIZE FIRST STAGE MECHANICAL COOLING AND MODULATE THE OUTSIDE AIR DAMPER TO THE MINIMUM POSITION.         IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM CONTROLLER SHALL ENERGIZE ADDITIONAL STAGES OF MECHANICAL COOLING IN 0.5 DEG INCREMENTS OF SPACE TEMPERATURE, IF AVAILABLE.         IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF COOLING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE.         COOLING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5         DEGREE INCREMENTS.         Image: Cooling STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5         DEGREE INCREMENTS.         Image: Cooling STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5         DEGREE INCREMENTS.         Image: Cooling STAGES SP+1.0         STAGE #       ON         1       SP+1.5         3       SP+1.0         HEATING OPERATION       SP+1.0         HEATING OPERATION       UPON A CALL FOR HEATING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE
COOLING OPERATION (ECONOMIZER DISABLED)         F THERE IS NO ECONOMIZER ENABLE SIGNAL FROM THE BAS TO THE OEM CONTROLLER AND UPON A CALL FOR COOLING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE OEM CONTROLLER SHALL ENERGIZE FIRST STAGE MECHANICAL COOLING AND MODULATE THE OUTSIDE AIR DAMPER TO THE MINIMUM POSITION.         F THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED. THE OEM CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES OF MECHANICAL COOLING IN 0.5 DEG NCREMENTS OF SPACE TEMPERATURE, IF AVAILABLE.         F THE CUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF COOLING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE.         COOLING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS.         COOLING STAGES         1       SP+.5         2       SP+1.0         3       SP+1.5         3       SP+1.5         3       SP+1.0         HEATING OPERATION JPON A CALL FOR HEATING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE
IF THERE IS NO ECONOMIZER ENABLE SIGNAL FROM THE BAS TO THE OEM CONTROLLER AND UPON A CALL FOR         COOLING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE OEM         CONTROLLER SHALL ENERCIZE FIRST STAGE MECHANICAL COOLING AND MODULATE THE OUTSIDE AIR DAMPER         TO THE MINIMUM POSITION.         IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM         CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES OF MECHANICAL COOLING IN 0.5 DEG         INCREMENTS OF SPACE TEMPERATURE, IF AVAILABLE.         IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT         STAGE OF COOLING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE.         COOLING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5         DEGREE INCREMENTS.         IF THE SPACE SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5         DEGREE INCREMENTS.         IF TAGE #       ON         OFF       SP+5.         1       SP+5.       SP+5.         2       SP+1.0       SP         3       SP+1.0       SP         4       SP+2.0       SP+1.0
COOLING STAGES         STAGE #       ON       OFF         1       SP+.5       SP5         2       SP+1.0       SP         3       SP+1.5       SP+.5         4       SP+2.0       SP+1.0         HEATING OPERATION         UPON A CALL FOR HEATING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE
1       SP+.5       SP5         2       SP+1.0       SP         3       SP+1.5       SP+.5         4       SP+2.0       SP+1.0         HEATING OPERATION UPON A CALL FOR HEATING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE
3       SP+1.5         4       SP+2.0         HEATING OPERATION         UPON A CALL FOR HEATING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE
UPON A CALL FOR HEATING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE
MINIMUM POSITION. IF THE SPACE TEMPERATURE CONTINUES TO DECREASE AFTER ENERGIZING HEATING, THE OEM CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES HEATING IN 0.5 DEG INCREMENTS OF SPACE TEMPERATURE,
IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF HEATING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT
STAGE OF HEATING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE.
STAGE #         ON         OFF           1         SP5         SP+.5
3 SP-1.5 SP5
4 SP-2.0 SP-1.0
STAGE OF HEATING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE.         HEATING STAGES SHALL DE-ENERGIZE AS THE HEATER CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS.         Image: transmission of the state of the

# DTES

# <u>SMOKE DETECTORS</u> FOR UNITS EQUIPPED WITH SMOKE DETECTORS (DUCT MOUNTED OR SPACE MOUNTED) THE SMOKE DETECTOR SHALL SHUT-DOWN THE UNIT UPON SMOKE DETECTOR ACTIVATION. IF REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION, UPON SMOKE DETECTOR ACTIVATION ADDITIONAL UNITS SHALL SHUT-DOWN UPON A SIGNAL FROM EITHER THE OWNER ALARM SYSTEM OR BAS TO THE OEM CONTROLLER. THE OEM CONTROLLER SHALL CLOSE THE OUTSIDE AIR DAMPER TO THE 0% OPEN POSITION, SHUT-DOWN ALL STAGES OF COOLING OR HEATING AND TURN OFF THE SUPPLY FAN. OEM CONTROLLER SHALL OVERRIDE ALL OTHER SPACE CONDITION DEMANDS WHEN UNIT HAS RECEIVED A SMOKE DETECTOR ACTIVATION ALARM.

RTU PROTECTION ALL EQUIPMENT SAFETY SEQUENCES, I.E. COMPRESSOR RESET, GAS BURNER RESET, ETC SHALL BE CONTROLLED BY THE OEM CONTROLLER.

<u>ALARMS</u> THE RTU CONTROLLER SHALL COMMUNICATE ALL RTU ERROR CODES TO THE BAS.

	RTU LOAD ALARM LIST
ERROR	
CODE	FROM OEM CONTROLLER TO BAS
4	SMOKE ALARM
5	AIR FLOW SWITCH
20	INPUT ERROR, PHASE LOSS OR VFD FAIL
74	ZONE SENSOR PROBLEM

COMMUNICATION DATA POINT LIST THE RTU CONTROLLER AND BAS SHALL TRANSFER THE COMMUNICATION DATA POINTS BASED ON THE FOLLOWING SCHEDULE.

LENNOX BACnet COMMUNICATION DATA POINT LISTFROM BAS TO RTU CONTROLLER - ANALOG OUTPUTSOBJECT IDOBJECT NAMEUNIT101APPLICATION MODE CONTROLNON102OUTDOOR AIR MIN POS CONTROLPERCE104OCCUPANCY SCHEDULER CONTROLNON108SPACE DEHUMIDIFICATION SETPTPERCE114EMERGENCY OVERRIDE CONTROLNON129SET ECONOMIZER OUTDOOR AIR SUITABLENON130HEATING OCCUPIED SETPOINTDEG131COOLING OCCUPIED SETPOINTDEG133COOLING UNOCCUPIED SETPOINTDEG	E ENT ENT E E E F F							
OBJECT IDOBJECT NAMEUNIT101APPLICATION MODE CONTROLNON102OUTDOOR AIR MIN POS CONTROLPERCE104OCCUPANCY SCHEDULER CONTROLNON108SPACE DEHUMIDIFICATION SETPTPERCE114EMERGENCY OVERRIDE CONTROLNON129SET ECONOMIZER OUTDOOR AIR SUITABLENON130HEATING OCCUPIED SETPOINTDEG132HEATING UNOCCUPIED SETPOINTDEG	E ENT ENT E E E F F							
101APPLICATION MODE CONTROLNON102OUTDOOR AIR MIN POS CONTROLPERCE104OCCUPANCY SCHEDULER CONTROLNON108SPACE DEHUMIDIFICATION SETPTPERCE114EMERGENCY OVERRIDE CONTROLNON129SET ECONOMIZER OUTDOOR AIR SUITABLENON130HEATING OCCUPIED SETPOINTDEG131COOLING OCCUPIED SETPOINTDEG132HEATING UNOCCUPIED SETPOINTDEG	E ENT ENT E E E F F							
102OUTDOOR AIR MIN POS CONTROLPERCE104OCCUPANCY SCHEDULER CONTROLNON108SPACE DEHUMIDIFICATION SETPTPERCE114EMERGENCY OVERRIDE CONTROLNON129SET ECONOMIZER OUTDOOR AIR SUITABLENON130HEATING OCCUPIED SETPOINTDEG131COOLING OCCUPIED SETPOINTDEG132HEATING UNOCCUPIED SETPOINTDEG	ENT ENT E E F F							
104OCCUPANCY SCHEDULER CONTROLNON108SPACE DEHUMIDIFICATION SETPTPERCE114EMERGENCY OVERRIDE CONTROLNON129SET ECONOMIZER OUTDOOR AIR SUITABLENON130HEATING OCCUPIED SETPOINTDEG131COOLING OCCUPIED SETPOINTDEG132HEATING UNOCCUPIED SETPOINTDEG	E ENT E E F F							
108SPACE DEHUMIDIFICATION SETPTPERCE114EMERGENCY OVERRIDE CONTROLNON129SET ECONOMIZER OUTDOOR AIR SUITABLENON130HEATING OCCUPIED SETPOINTDEG131COOLING OCCUPIED SETPOINTDEG132HEATING UNOCCUPIED SETPOINTDEG	ENT E F F							
114EMERGENCY OVERRIDE CONTROLNON129SET ECONOMIZER OUTDOOR AIR SUITABLENON130HEATING OCCUPIED SETPOINTDEG131COOLING OCCUPIED SETPOINTDEG132HEATING UNOCCUPIED SETPOINTDEG	E F F							
129SET ECONOMIZER OUTDOOR AIR SUITABLENON130HEATING OCCUPIED SETPOINTDEG131COOLING OCCUPIED SETPOINTDEG132HEATING UNOCCUPIED SETPOINTDEG	E F F							
130HEATING OCCUPIED SETPOINTDEG131COOLING OCCUPIED SETPOINTDEG132HEATING UNOCCUPIED SETPOINTDEG	F F							
131         COOLING OCCUPIED SETPOINT         DEG           132         HEATING UNOCCUPIED SETPOINT         DEG	F							
132 HEATING UNOCCUPIED SETPOINT DEG								
	F							
133 COOLING UNOCCOPIED SETFORM DEG	F							
FROM RTU CONTROLLER TO BAS - ANALOG INPUTS								
OBJECT ID OBJECT NAME UNIT	S							
232 UNIT STATUS NON	E							
239 SPACE TEMPERATURE DEG	F							
240 DISCHARGE AIR TEMPERATURE DEG	F							
241 EFFECTIVE OCCUPANCY NON	E							
243 LOCAL SPACE TEMPERATURE DEG	F							
244 OUTSIDE AIR DAMPER PERCE	ENT							
245 HEAT PRIMARY PERCE	ENT							
247 COOL PRIMARY PERCE	ENT							
248 ECONOMIZER ENABLED PERCE	ENT							
250 SUPPLY FAN STATUS PERCE	ENT							
252 SPACE TEMPERATURE SETPT (EFF) DEG	F							
255 MOST RECENT ERROR 1 NON	E							
256 MOST RECENT ERROR 2 NON	E							
257 MOST RECENT ERROR 3 NON	E							
258 MOST RECENT ERROR 4 NON								
259 MOST RECENT ERROR 5 NON								
274 SPACE CO2 SENSOR (EFF) PPN								
276 SPACE HUMIDITY (EFF) PERCE								
278 DEHUMIDIFICATION SETPT (EFF) PERCE	ENT							
279 DEHUMIDIFICATION STATUS NON	E							
281 RETURN AIR TEMPERATURE DEG								

ECONOMIZER OPERATION (BACNET CONTROLLER WITH MUNTERS AHUS COMMUNICATING TO CONTROLLER) THE BAS SHALL SEND AN ECONOMIZER ENABLE SIGNAL TO THE OEM CONTROLLER WHEN BOTH OF FOLLOWING OUTSIDE AIR CONDITIONS ARE MET:

OUTSIDE DRY BULB TEMPERATURE > 5 DEG F AND < 68 DEG F OUTSIDE DEWPOINT TEMPERATURE > 5 DEG DP AND < 48 DEG DP

ECONOMIZER OPERATION (ES1 WITHOUT MUNTERS AHUS AND ENTHALPY WIRE FROM EXISTING CONTROLLER) THE ES1 SHALL SEND AN ECONOMIZER ENABLE SIGNAL TO THE RTU OEM CONTROLLER WHEN AN ECONOMIZER ENABLE SIGNAL IS RECEIVED FROM THE LINGO XE/EP2 CONTROLLER THRU XIO-44-B ON BACNET.

THE LINGO XE/EP2 CONTROLLER SHALL SEND AN ECONOMIZER ENABLE SIGNAL WHEN BOTH THE FOLLOWING OUTSIDE AIR CONDITIONS ARE MET:

OUTSIDE DRY BULB TEMPERATURE > 5 DEG F AND < 68 DEG F OUTSIDE DEWPOINT TEMPERATURE > 5 DEG DP AND < 48 DEG DP

ECONOMIZER OPERATION (XCM20R WITHOUT MUNTERS AHUS AND ENTHALPY WIRE FROM EXISTING CONTROLLER) THE XCM20R SHALL SEND AN ECONOMIZER ENABLE SIGNAL TO THE RTU OEM CONTROLLER WHEN AN ECONOMIZER ENABLE SIGNAL IS RECEIVED FROM THE LINGO XE/EP2 CONTROLLER ON INPUT TERMINAL D11.

THE LINGO XE/EP2 CONTROLLER SHALL SEND AN ECONOMIZER ENABLE SIGNAL WHEN BOTH THE FOLLOWING OUTSIDE AIR CONDITIONS ARE MET:

OUTSIDE DRY BULB TEMPERATURE > 5 DEG F AND < 68 DEG F OUTSIDE DEWPOINT TEMPERATURE > 5 DEG DP AND < 48 DEG DP

ECONOMIZER OPERATION (WITHOUT MUNTERS AHUS OR OUTDOOR DEWPOINT SENSOR COMMUNICATING TO CONTROLLER)(LIQUOR BOX) UPON AN ECONOMIZER ENABLE SIGNAL FROM THE OEM CONTROLLER BASED ON THE OUTDOOR SINGLE ENTHALPY SENSOR 18mA SETTING AND A CALL FOR COOLING BASED ON

SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, ECONOMIZER COOLING SHALL BE ENERGIZED AND THE OEM CONTROLLER SHALL MODULATE THE OUTSIDE AIR AND RETURN AIR DAMPERS TO MAINTAIN A SUPPLY AIR TEMPERATURE OF 45 DF. THE UNIT SHALL RUN IN ECONOMIZER MODE FOR A MINIMUM OF 10 MINUTES AFTER THE FIRST ECONOMIZER DAMPER HAS MODULATED TO THE 100% OPEN POSITION BEFORE ENERGIZING THE FIRST STAGE MECHANICAL COOLING. THE OEM CONTROLLER SHALL DISABLE MECHANICAL

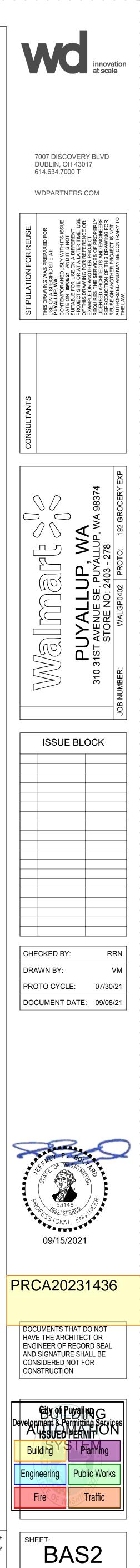
COOLING WHEN OUTSIDE AIR TEMPERATURE FROM THE OEM OUTDOOR AIR SENSOR IS LESS THAN 45 DF. IF THE SPACE TEMPERATURE INCREASES TO >= 0.5 DEG ABOVE SPACE COOLING SETPOINT, THE OEM CONTROLLER SHALL ENERGIZE FIRST STAGE MECHANICAL COOLING AND MODULATE THE DAMPERS TO MAINTAIN 55 F SUPPLY AIR TEMPERATURE.

IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES OF MECHANICAL COOLING IN 0.5 DEG F INCREMENTS OF SPACE TEMPERATURE, IF AVAILABLE.

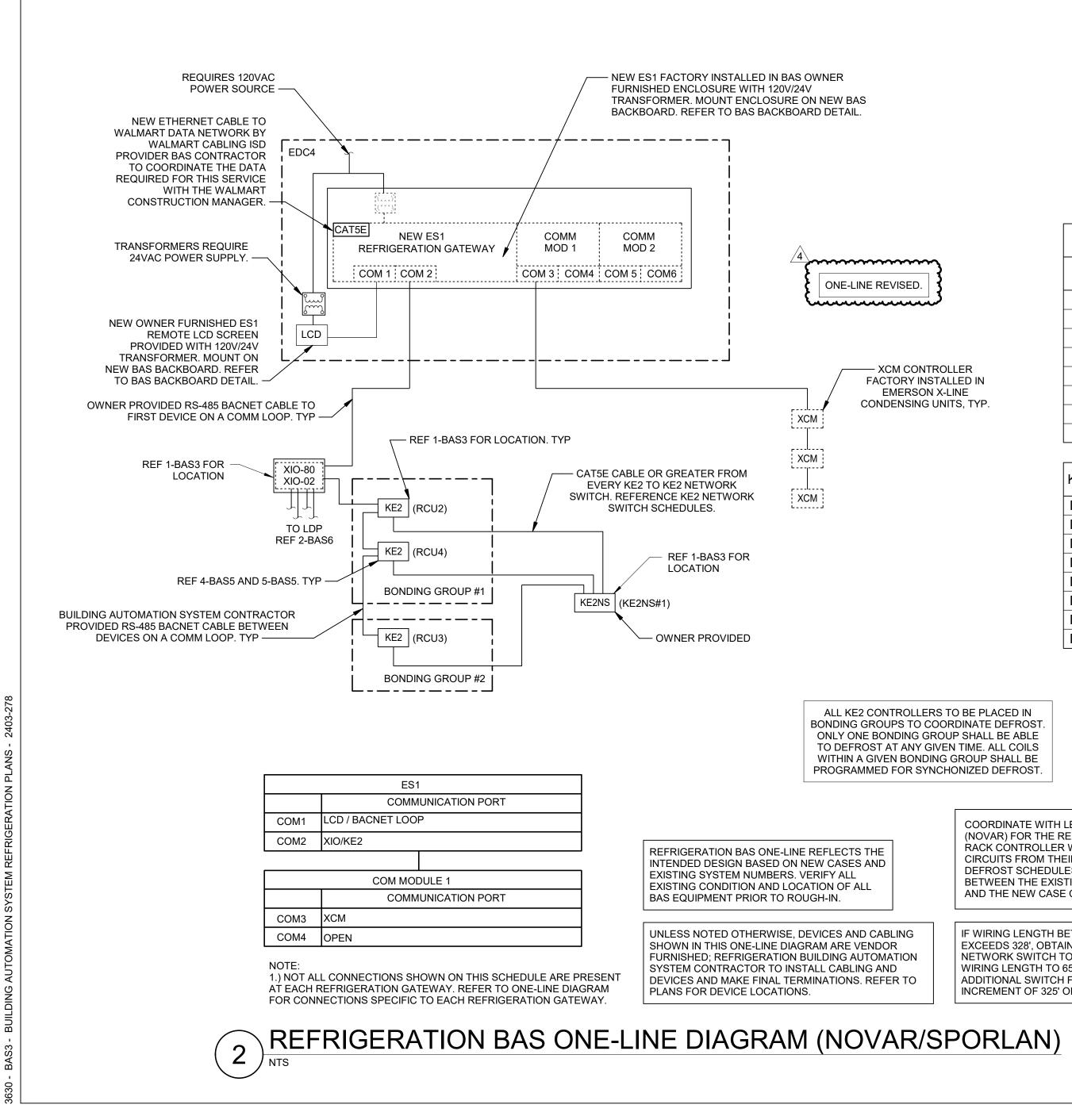
IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF COOLING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE.

COOLING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS.

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



EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT HIMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY



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

(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.

INCREMENT OF 325' OF RUN BETWEEN DEVICES.

COORDINATE WITH LEGACY BAS VENDOR

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

CONTRACTOR.

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

ALL KE2 CONTROLLERS TO BE PLACED IN BONDING GROUPS TO COORDINATE DEFROST. ONLY ONE BONDING GROUP SHALL BE ABLE TO DEFROST AT ANY GIVEN TIME. ALL COILS WITHIN A GIVEN BONDING GROUP SHALL BE PROGRAMMED FOR SYNCHONIZED DEFROST.

INPUT3 RCU3 INPUT4 RCU4 INPUT5 SPARE INPUT6 SPARE INPUT7 SPARE INPUT8 SPARE

KE2 NETWORK SWITCH REQUIRES 120V

POWER. PROVIDE DUPLEX RECEPTACLE FOR

EACH SWITCH SHOWN.

KE2 NETWORK SWITCH #1 (PART # 21001)

INPUT1 SPARE

INPUT2 RCU2

— XCM CONTROLLER FACTORY INSTALLED IN EMERSON X-LINE CONDENSING UNITS, TYP.

	XIO-80 (XIO-02)
UNIVEF	RSAL 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	SPARE
U6/A6	SPARE
U7/A7	SPARE
U8/A8	SPARE

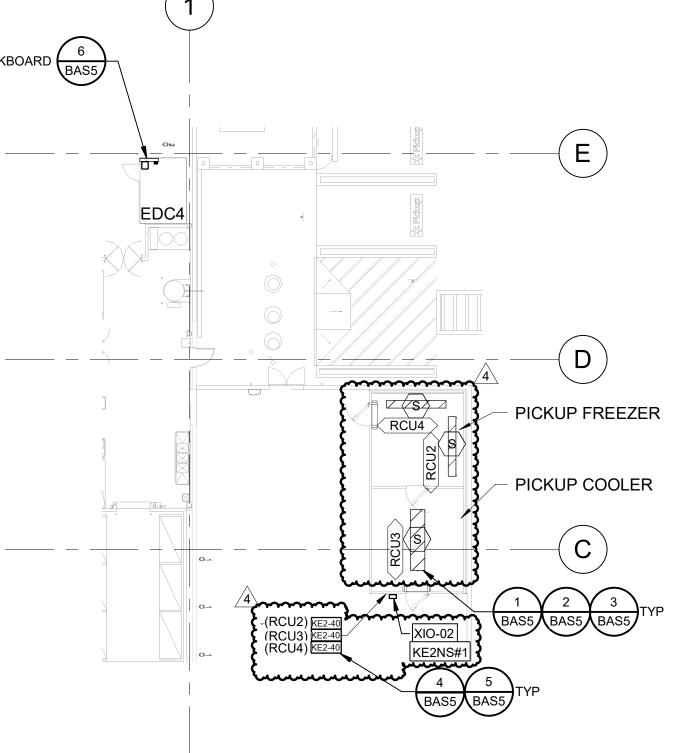
NEW BAS BACKBOARD

1/16" = 1'-0"

# BAS EQUIPMENT SALVAGE REQUIREMENTS

1.02.15 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), CCM(S), ETC. PROVIDE DOCUMENTATION FOR ALL EQUIPMENT REMOVED IN ACCORDANCE WITH SPECIFICATIONS AND REQUIRED CLOSE-OUT DOCUMENTS.

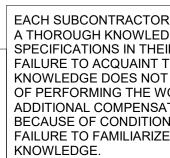
<ol> <li>BAS CON SUPPLIEF CONFIGU SENSOR I FOR THE PRIOR TO TERMINA THE BAS</li> <li>BAS CON REFRIGEF FORMS TO OF THE R INSTALLE</li> </ol>	<b>ERAL REFRIGERATION</b> <b>BAS NOTES</b> TRACTOR SHALL CONTACT THE BAS (S) TO OBTAIN A CURRENT MODULE RATION PRINTOUT BEFORE TERMINATING LEADS AT INPUT MODULES. THE REQUEST CONFIGURATION PRINTOUT SHALL BE MADE O THE INSTALLATION OF BAS CABLES. WIRING TIONS SHALL BE LANDED ACCORDING TO SUPPLIER CONFIGURATION SHEETS. TRACTOR SHALL PROVIDE COMPLETED RATION SENSOR INPUT VERIFICATION O THE BAS SUPPLIER(S) AT THE BEGINNING EFRIGERATION EQUIPMENT STARTUP. BAS (S) FOR SPOT CHECKING OF SENSORS FOR	William R. Kraner teamofchoice.com B.E. BUITE 5516 479-636-5004 1805 N 2ND ST JOB NOI: 2758 ROGERS, AR 72756 DESIGNED BY: JVG
<ol> <li>ACCURAC</li> <li>ALL BAS C ROUTED I AND ROU AS MUCH</li> <li>BAS CON<sup>T</sup> AVAILABL REFRIGEI RELEASE MECHANI</li> <li>DURING T CONTRAC REFRIGEI</li> </ol>		STIPULATION FOR REUSE THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC STIE AT: PUYALLUP, WA CONTEMPORANEOUSLY WITH IT'S ISUE DATE ON 09/08/21, AND IT'S NOT SUITABLE FOR USE ON A DIFFERENT PROJECT STIE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OF THIS DRAWING FOR REFERENCE OF THIS DRAWING FOR RECERENCE CAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSEED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REPRODUCTION OF THIS DRAWING FOR
PERFORM THE BUILI RESPONS TEST TO I REFRIGEI BAS SUPF FORMS A COMPLET RETURNE CONSTRL 7. REFER TO INSTALLA DEVICES	E BAS SUPPLIER IS NOT SCHEDULED TO A THE ON SITE REFRIGERATION STARTUP, DING AUTOMATION CONTRACTOR IS SIBLE FOR PERFORMING ALL CHECKS AND ENSURE A FULLY FUNCTIONAL RATION CONTROL SYSTEM. CONTACT THE PLIER FOR THE BLANK TEST VERIFICATION ND INSTRUCTIONS FOR COMPLETING. ALL TED TEST VERIFICATION FORMS SHALL BE ED TO THE WALMART MECHANICAL JCTION MANAGER. D ARCHITECTURAL DRAWINGS FOR PIPING TION AND SEALING REQUIREMENTS FOR SHOWN ON COOLER/FREEZER PANELS. DO ALL PIPING WITHIN COOLER/FREEZER	CONSULTANTS
<ul> <li>PANELS.</li> <li>8. ROUTE AI CONDUIT ON COOL WHERE U TO HAVE</li> <li>A. SURF CORR PIPE/0 SEAL/</li> <li>B. INSTA ALLOV CORR ANCH</li> <li>C. COVE STEEI NON-0 SEAL/</li> <li>9. REFEREN FOR FULL</li> </ul>	LL UTILITY SERVICE LINES (PIPES AND ) WITHIN STUD WALLS WHEREVER POSSIBLE. ER/FREEZER PANELS IN FOOD PREP AREAS ITILITIES MUST BE EXPOSED, CONTRACTOR THE OPTION OF THE FOLLOWING: ACE MOUNT UTILITIES WITH NON- ROSIVE ANCHORS; SEAL BOTH SIDES OF CONDUIT TO PANEL CONTINUOUSLY WITH ANT. ALL UTILITIES 1/2" OFF FACE OF PANEL TO W FOR CLEANING; USE ONLY NON- ROSIVE MATERIALS FOR SPACERS AND	PUYALUP, WA 310 31ST AVENUE SE, PUYALUP, WA 98374 STORE NO: 2403-278
E2E ES1 BAS TEMP VFD CFD	REFRIGERATION NETWORK GATEWAYREFRIGERATION EXECUTIVE CONTROLLERBUILDING AUTOMATION SYSTEMTEMPERATUREVARIABLE FREQUENCY DRIVEBACKBOARDREFRIGERATION CIRCUITPRESSURE TRANSDUCERTEMPERATURE SENSORDUAL TEMP SWITCH	ISSUE BLOCK         4       ADD#6       07/07/22         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       -         -       -       - <t< th=""></t<>
RIB         C-##         RIB/C-##         LDP         DXL         CLCD         MF16         MF ESR         AI8         XM-101         EKC	DANFOSS CASE MANAGEMENT SYSTEM MODULE/ENCLOSURE	CHECKED BY: RC DRAWN BY: JV PROTO CYCLE: 07/30/2 DOCUMENT DATE: 09/08/2
AK2-CM KE2 KE2NS KE2NS CIM CIM CMS RCC MinIO XIO S3C SGR	DANFOSS COMMUNICATIONS MODULEKE2 RE2 COIL CONTROLLERKE2 NETWORK SWITCHEMERSON X-LINE RCU CONTROLLERNOVAR CASE INPUT MODULENOVAR CASE MANAGEMENT SYSTEMNOVAR REFRIGERATION CASE/CIRCUIT CONTROLLERNOVAR INPUT/OUTPUT MODULESPORLAN REFRIGERATION CASE/CIRCUIT CONTROLLERSPORLAN GATEWAY ROUTER	Jul 07, 2022
	SPORLAN NETWORK SWITCH NEW EQUIPMENT EXISTING EQUIPMENT	PRCA20231436
	FACTORY INSTALLED EQUIPMENT EQUIPMENT TO BE DEMOLISHED	
S OR BUILDING EMAIL TO S TATE WHAT AND HOW LON IN SEND A OM AFTER TH BACK UP AND	EQUIPMENT TO BE DEMOLISHED	City of Puyallup Development & Permitting Serve ISSUED PERMIT Building Planning Engineering Public Wood Fire To Art office SYSTEM REFRIGERATIO PLANS



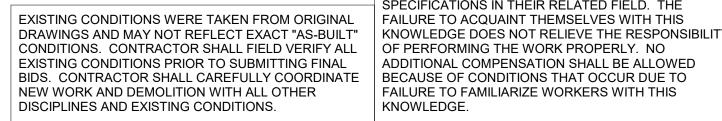
**PICKUP REFRIGERATION BAS PLAN** 

24 HOURS PRIOR TO SHUTTING DOWN A **REFRIGERATION SYSTEMS, HVAC SYSTE** AUTOMATION CONTROLS SYSTEMS, SEN NSRM@WALMART.COM. THE E-MAIL SHA WHY, AND WHEN IT IS BEING SHUT DOWI IT IS ANTICIPATED TO BE SHUT DOWN. T FOLLOW UP EMAIL TO NSRM@WALMAR WORK IS COMPLETE AND THE SYSTEM I RUNNING.

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



CIRCUIT #	APPLICATION	
		MODEL NUMBER
RCU2	1/2 Pickup Freezer W.I.	
<u>/4</u>	· · · · · · · · · · · · · · · · · · ·	
CIRCUIT #	APPLICATION	MODEL NUMBER
RCU3	Pickup Cooler W.I.	MODEL NUMBER

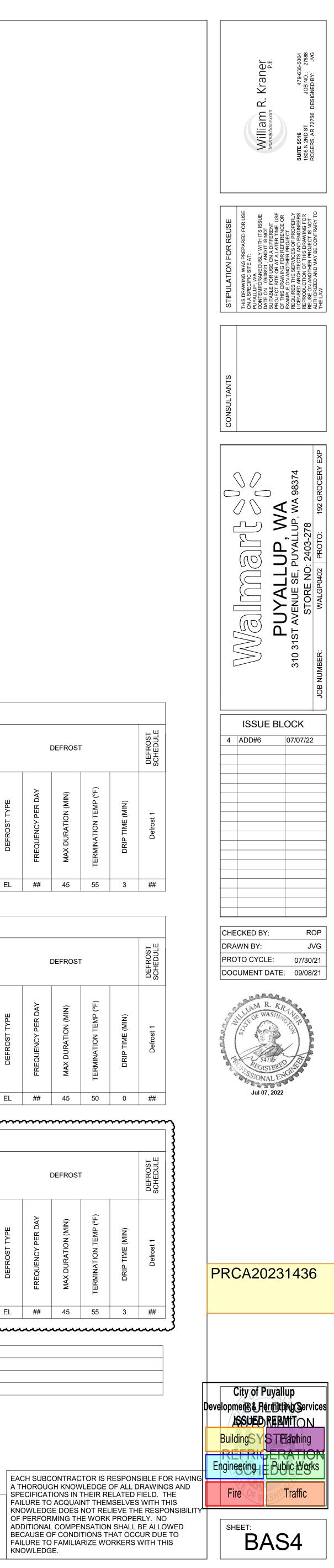


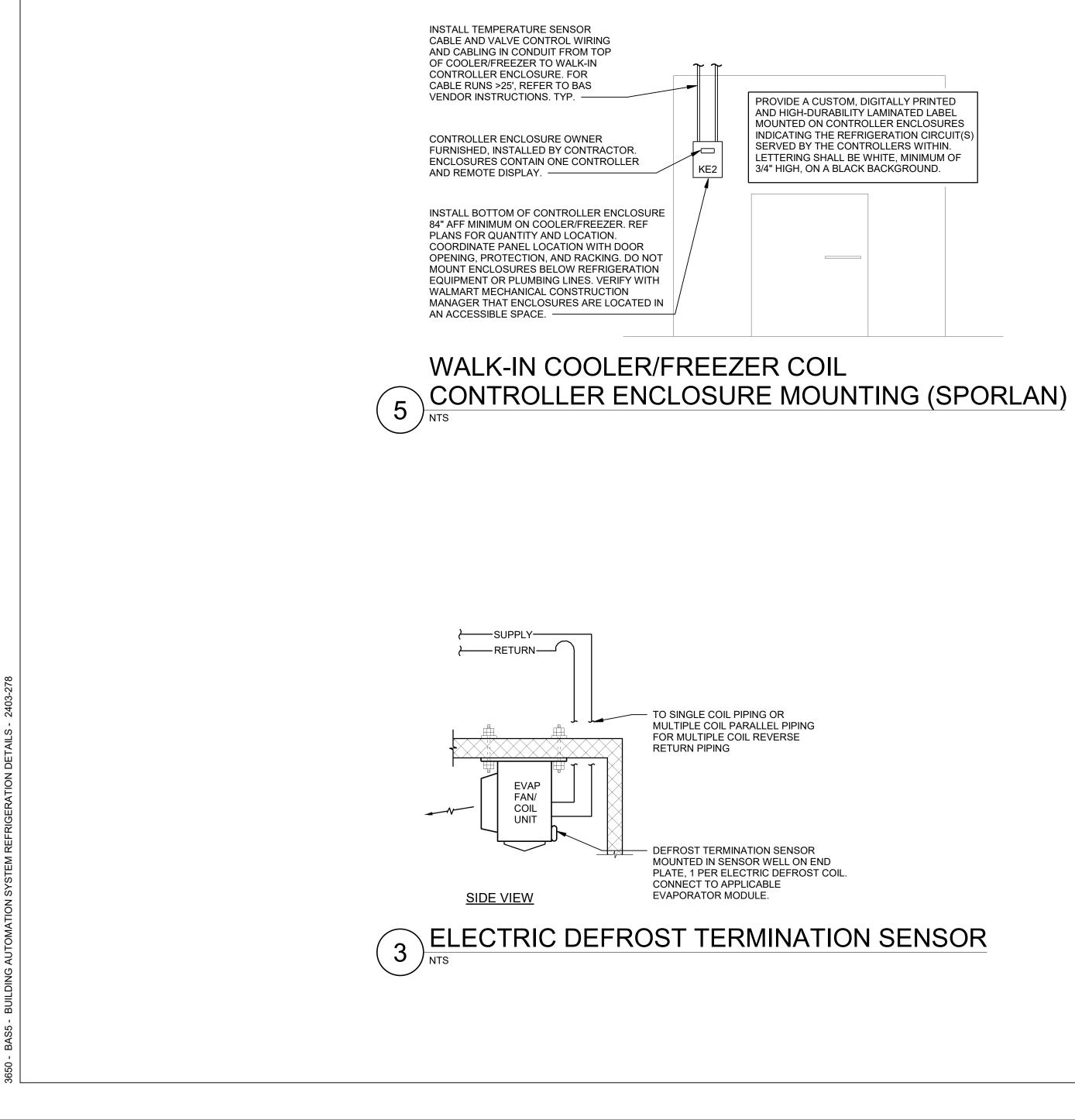
## - TEMPERATURE AND DEFROST CONTROLLED VIA KE2

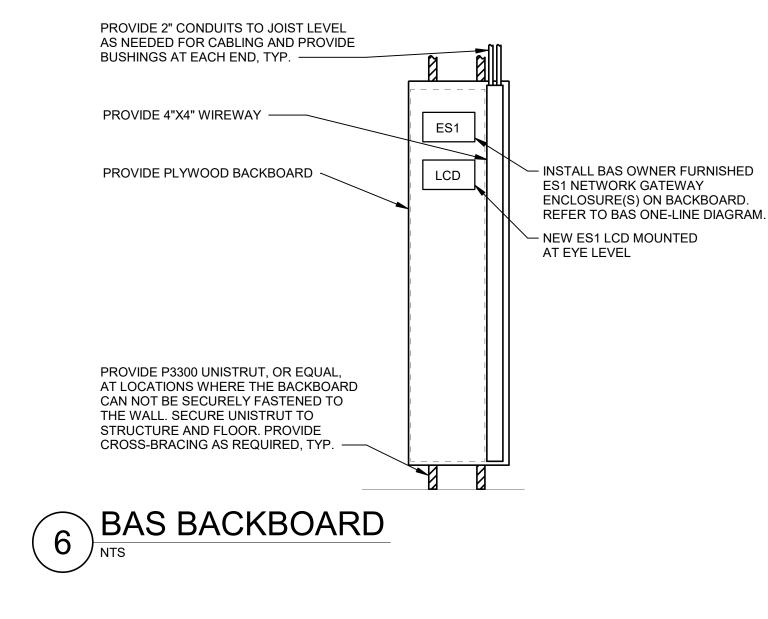
					OPE	DD	SUP		Щ	2	Щ
-	Krack			34	34		6-10	EL	##	45	50
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~	~~~~				~~~~	~~~~	
RCU4	4 DISCHARGE A	IR TEMPERATURE AND DEF	ROST PARAMETERS								
				FOR CA	ASES/ RE	TEMP SE TURN AII WALK IN I	R TEMP			DEFROST	
MODEL NUMBER	MFR	EQUIPMENT TAG NUMBER	EQUIPMENT CUTSHEET DATE	MANUFACTURER TARGET (°F)	OPERATING SETPOINT (°F)	DUAL TEMP TARGET (°F)	SUPERHEAT SETPOINT (°F)	DEFROST TYPE	FREQUENCY PER DAY	MAX DURATION (MIN)	TERMINATION TEMP (°F)
	Krack			-8	-8		6-10	EL	##	45	55
mmmmmmm	······		mmmmmmmmm	mmm	uu	uuu	mmm	uuu	mm	·····	mm

				AM MA	OPERAT	DUAL -	SUPERH	Ω	FREG	MAX	TERMI
	Krack			-10	-10		6-10	EL	##	45	55
RC	U3 DISCHARGE A	AIR TEMPERATURE AND DEF	ROST PARAMETERS								
				FOR C	RGE AIR ASES/ RE NG FOR V	TURN AIF	R TEMP			DEFROST	Г
MODEL NUMBER	MFR	EQUIPMENT TAG NUMBER	EQUIPMENT CUTSHEET DATE	MANUFACTURER TARGET (°F)	DPERATING SETPOINT (°F)	DUAL TEMP TARGET (°F)	UPERHEAT SETPOINT (°F)	DEFROST TYPE	FREQUENCY PER DAY	MAX DURATION (MIN)	TERMINATION TEMP (°F)

RCU2	2 DISCHARGE AIR	TEMPERATURE AND DEF	ROST PARAMETERS									
			DISCHARGE AIR TEMP SETTINGS FOR CASES/ RETURN AIR TEMP SETTING FOR WALK IN BOXES						DEFROST			
MODEL NUMBER	MANUFACTURER	EQUIPMENT TAG NUMBER	EQUIPMENT CUTSHEET DATE	MANUFACTURER TARGET (°F)	OPERATING SETPOINT (°F)	DUAL TEMP TARGET (°F)	SUPERHEAT SETPOINT (°F)	DEFROST TYPE	FREQUENCY PER DAY	MAX DURATION (MIN)	TERMINATION TEMP (°F)	
	Krack			-10	-10		6-10	FI	##	45	55	







SAME SYSTEM WHEN MULTIPLE COILS ARE IN SAME COOLER/FREEZER BOX. POWER CONDUIT AND WIRING SAME SIZE AND QUANTITY AS WIRING TO PANEL. COIL CONTROL CONDUIT SHALL BE 1". -----

SEALED WITH SILICONE SEALANT, TYP ------

CONDULET AT CEILING PENETRATION FILLED WITH SILICONE SEALANT, TYP -**1" EMT CONDUIT PENETRATION** 

EMT CONDUIT AND WIRING TO NEXT COIL CONTROL & POWER JUNCTION BOXES ON

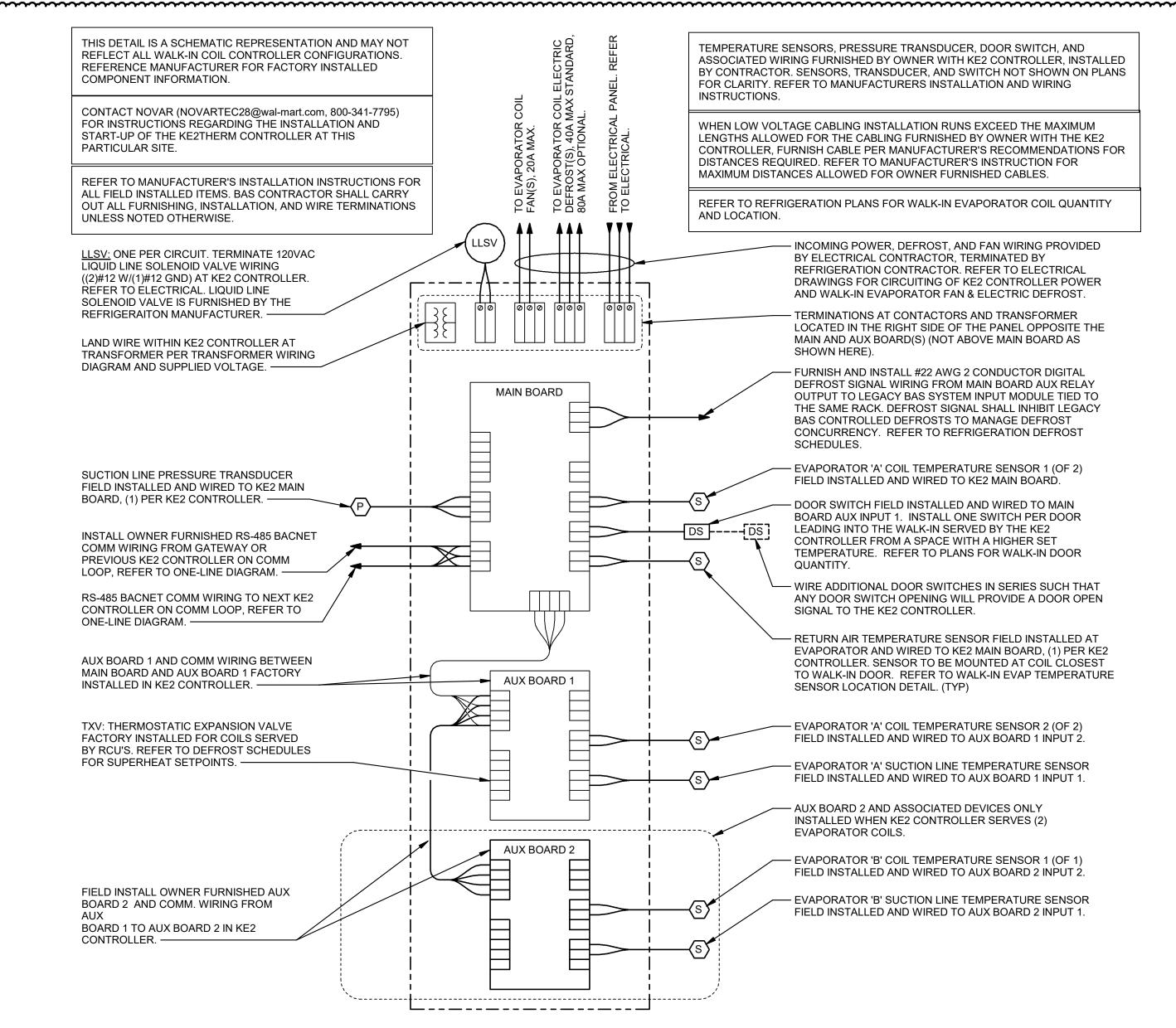
COIL CONTROLLER FOR COIL CONTROL WIRING - COOLER/FREEZER BOX CEILING

COIL BY RC, TYP.

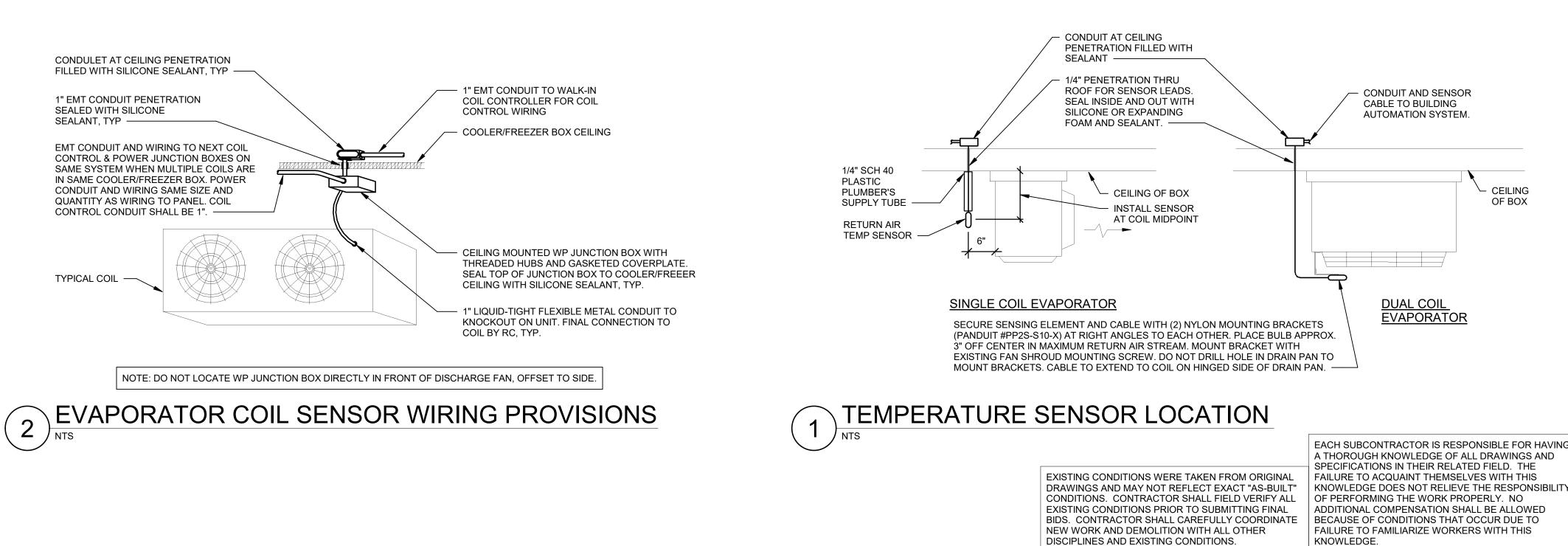
AUX

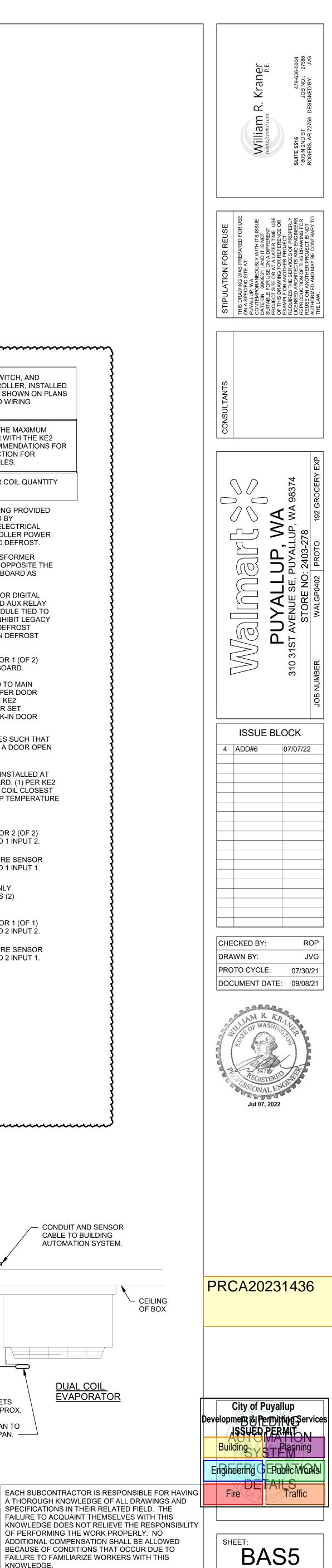
PARTICULAR SITE. UNLESS NOTED OTHERWISE.

COMPONENT INFORMATION.

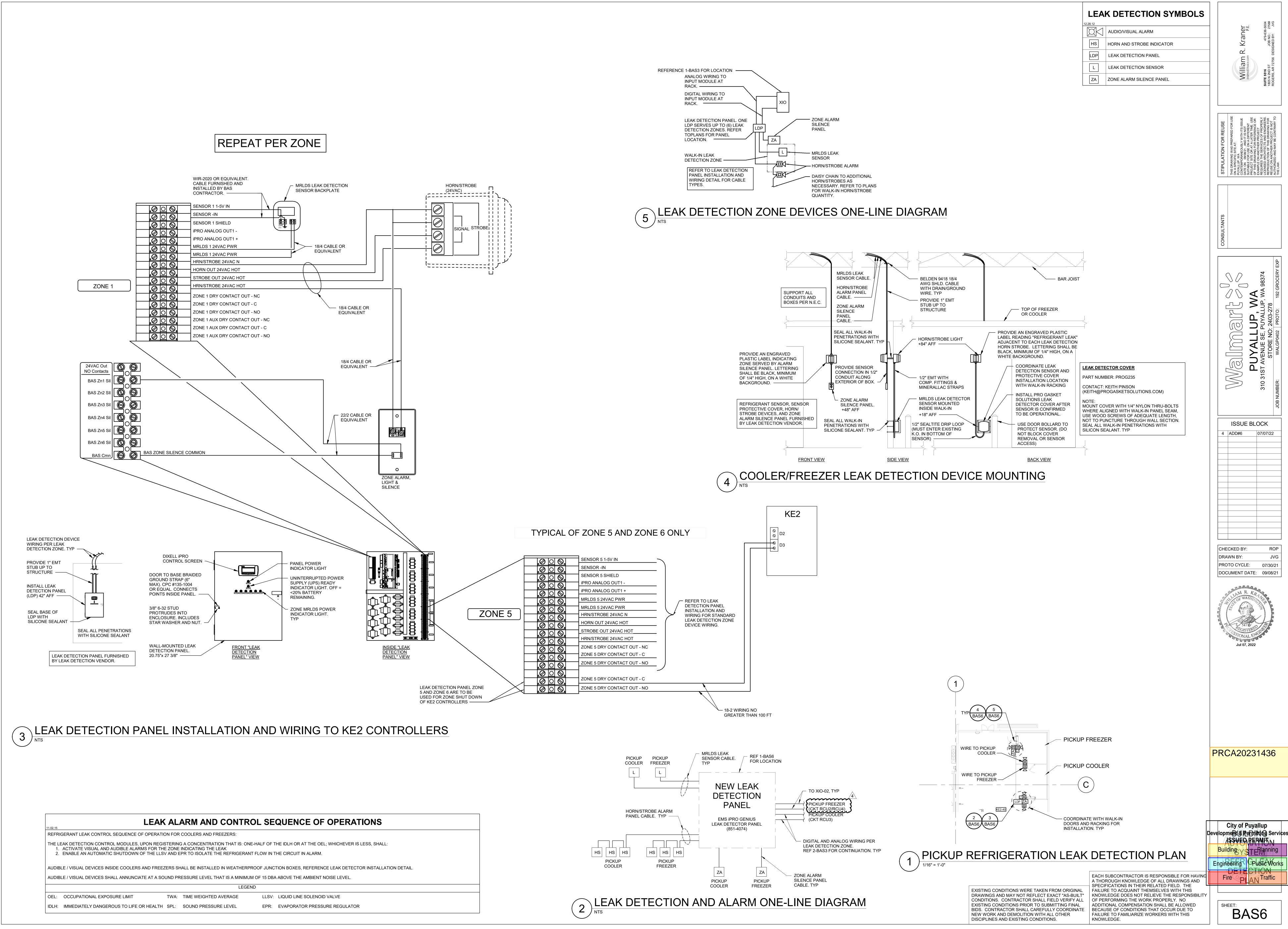


# (4) KE2 CONTROLLER WIRING (WALK-IN, ON RCU)







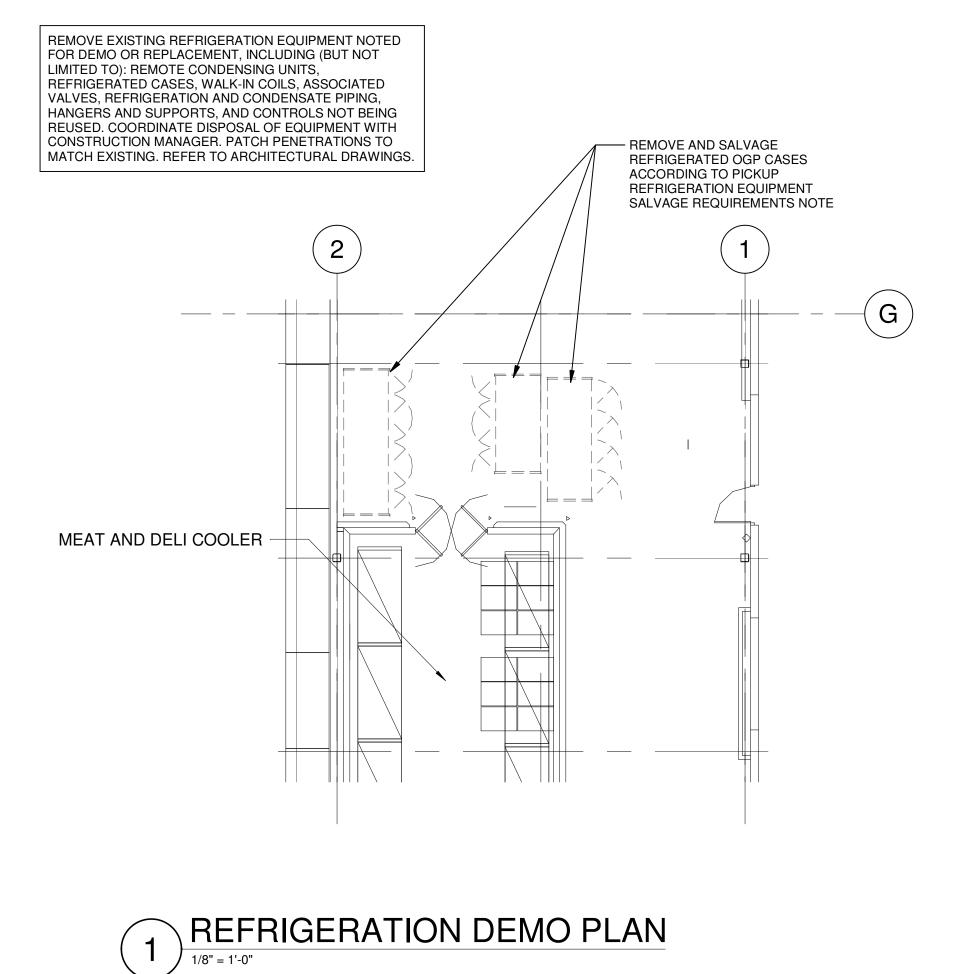


2.28.12	
$\square \!$	AUDIO/VISUAL ALA
HS	HORN AND STROB
LDP	LEAK DETECTION
L	LEAK DETECTION
ZA	ZONE ALARM SILE

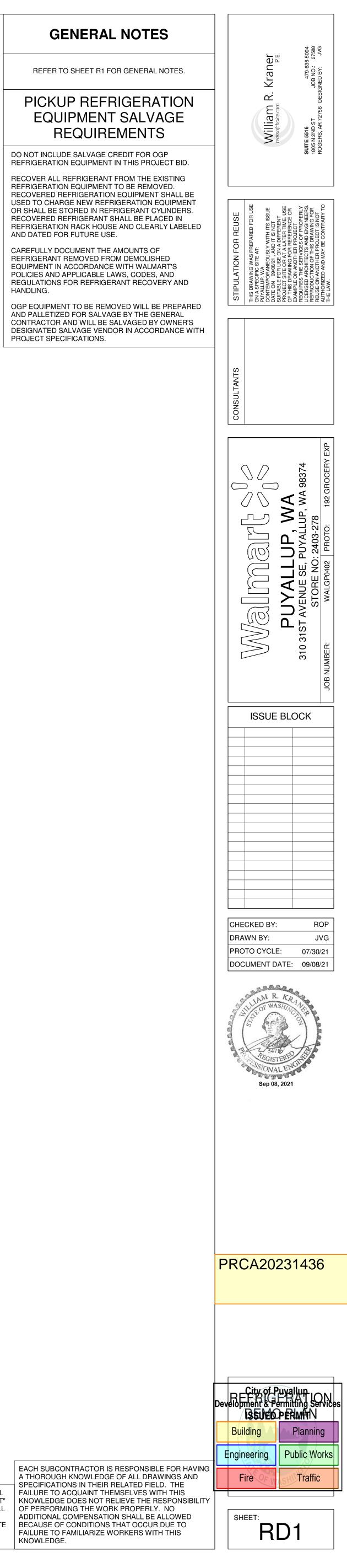
RECOVER ALL REFRIGERANT FROM THE EXISTING REFRIGERATION EQUIPMENT TO BE REMOVED. RECOVERED REFRIGERATION EQUIPMENT SHALL BE USED TO CHARGE NEW REFRIGERATION EQUIPMENT OR SHALL BE STORED IN REFRIGERANT CYLINDERS. RECOVERED REFRIGERANT SHALL BE PLACED IN

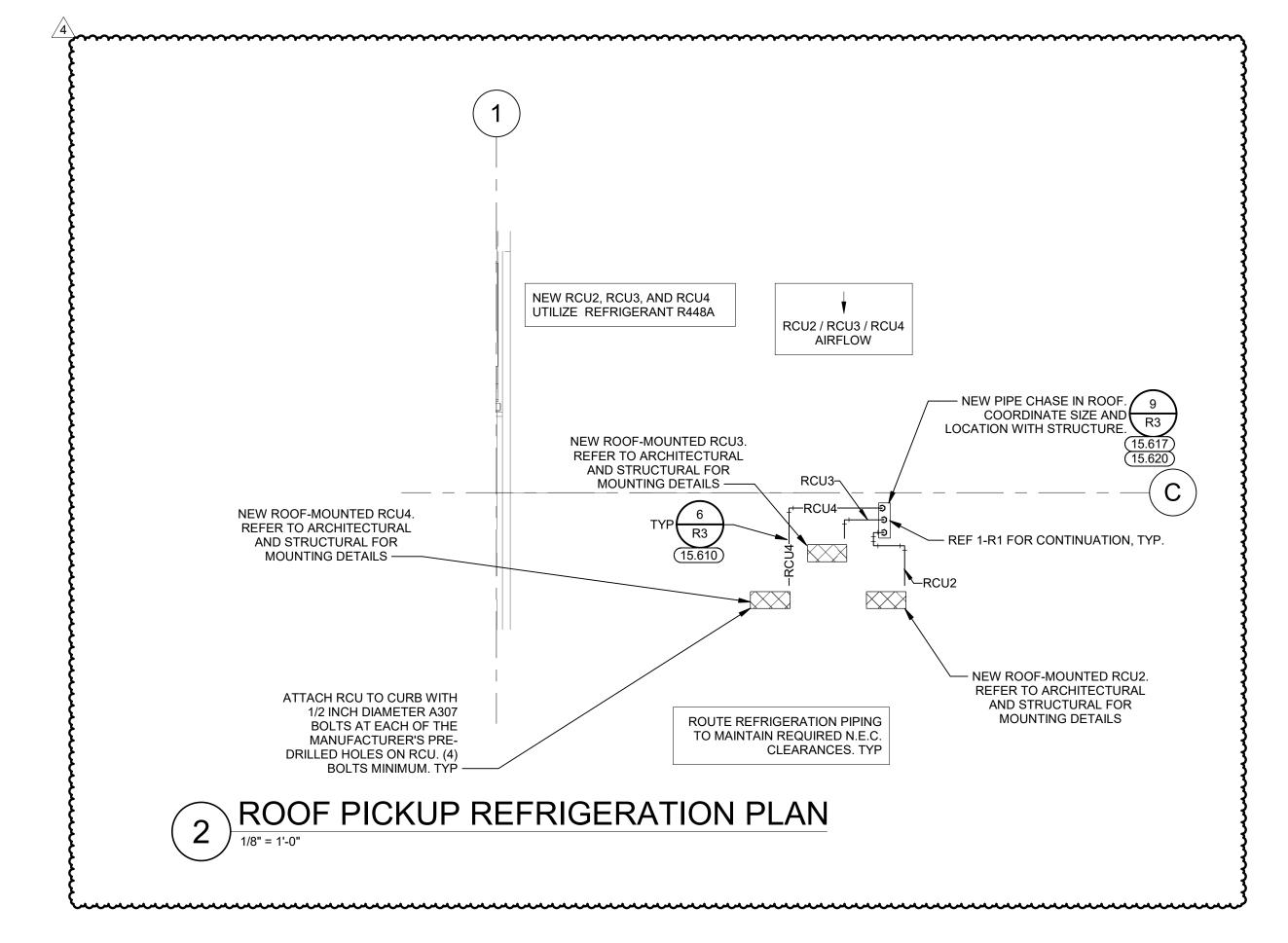
CAREFULLY DOCUMENT THE AMOUNTS OF REFRIGERANT REMOVED FROM DEMOLISHED EQUIPMENT IN ACCORDANCE WITH WALMART'S POLICIES AND APPLICABLE LAWS, CODES, AND REGULATIONS FOR REFRIGERANT RECOVERY AND HANDLING.

PROJECT SPECIFICATIONS.

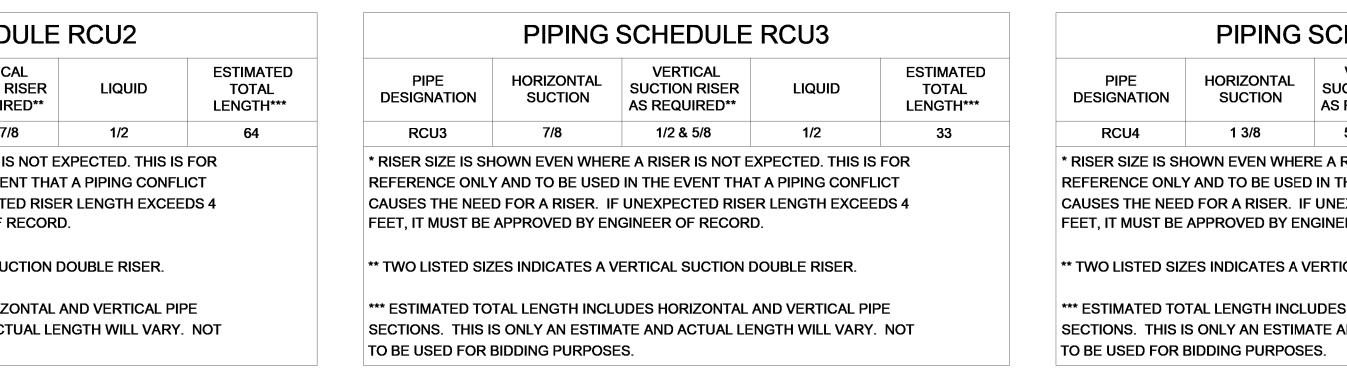


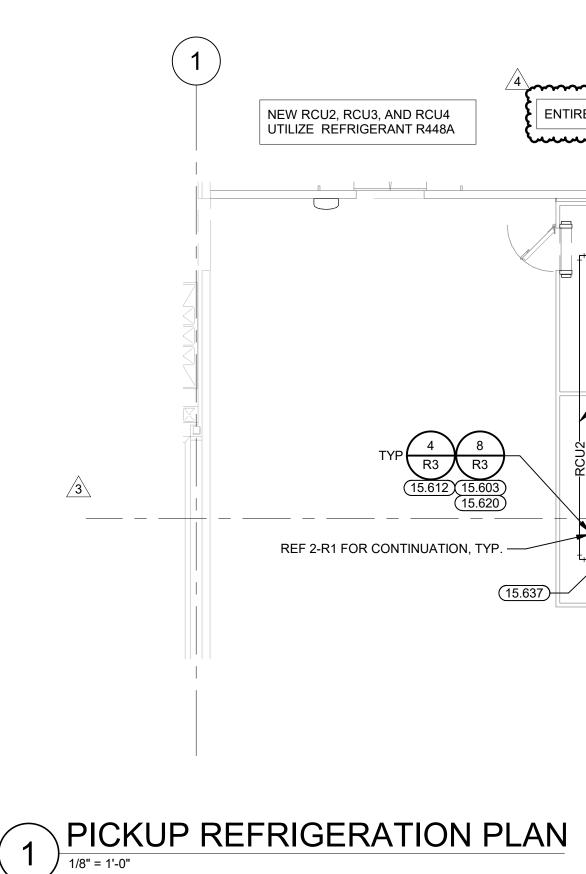
KNOWLEDGE.





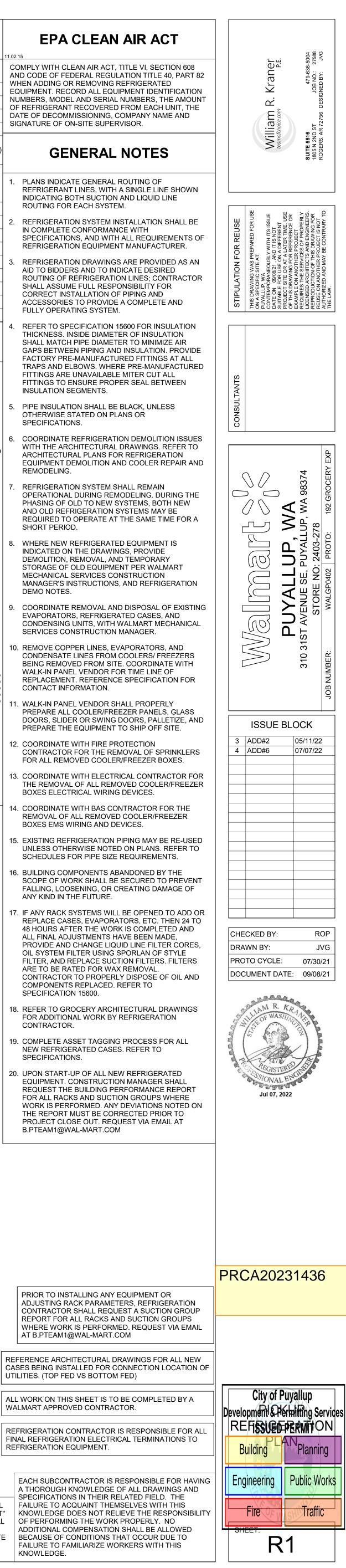
PIPING SCHEDULE RCU2					PIPING SCHEDULE RCU3					PIPING		
PIPE DESIGNATION	HORIZONTAL SUCTION	VERTICAL SUCTION RISER AS REQUIRED**	LIQUID	ESTIMATED TOTAL LENGTH***	PIPE DESIGNATION	HORIZONTAL SUCTION	VERTICAL SUCTION RISER AS REQUIRED**	LIQUID	ESTIMATED TOTAL LENGTH***	PIPE DESIGNATION	HORIZONTAL SUCTION	SU( AS
RCU2	1 3/8	5/8 & 7/8	1/2	64	RCU3	7/8	1/2 & 5/8	1/2	33	RCU4	1 3/8	
REFERENCE ONI CAUSES THE NEI FEET, IT MUST BE * TWO LISTED SI ** ESTIMATED TO SECTIONS. THIS	Y AND TO BE USED D FOR A RISER. IF APPROVED BY EN ZES INDICATES A V DTAL LENGTH INCLU	E A RISER IS NOT E IN THE EVENT THAT UNEXPECTED RISE GINEER OF RECORE ERTICAL SUCTION D JDES HORIZONTAL A TE AND ACTUAL LE	T A PIPING CONFL R LENGTH EXCEE ). OOUBLE RISER. AND VERTICAL PI	LICT EDS 4	REFERENCE ONLY CAUSES THE NEE FEET, IT MUST BE *** TWO LISTED SIZ	Y AND TO BE USEI D FOR A RISER. II APPROVED BY EN ZES INDICATES A N TAL LENGTH INCL S ONLY AN ESTIM	RE A RISER IS NOT EX D IN THE EVENT THAT F UNEXPECTED RISER IGINEER OF RECORD VERTICAL SUCTION DO UDES HORIZONTAL A ATE AND ACTUAL LEN	A PIPING CONF & LENGTH EXCE DUBLE RISER. ND VERTICAL PI	LICT EDS 4	REFERENCE ONLY CAUSES THE NEED FEET, IT MUST BE *** TWO LISTED SIZ *** ESTIMATED TOT SECTIONS. THIS IS TO BE USED FOR E	D FOR A RISER. IF APPROVED BY EN ES INDICATES A V FAL LENGTH INCL S ONLY AN ESTIM	f une Ngine /Erti .udes Ate A





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,	10 12 17	GERATION SYMBOLS	EPA CLEAN AIR
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.	XXX 🖛	CIRCUIT NUMBER MODEL NUMBER (CIRCUIT INFO) CLEANOUTS (CO) CONDENSATE DRAIN LINE (CD)	11.02.15 COMPLY WITH CLEAN AIR ACT, TITLE VI, AND CODE OF FEDERAL REGULATION TI WHEN ADDING OR REMOVING REFRIGER EQUIPMENT. RECORD ALL EQUIPMENT IN NUMBERS, MODEL AND SERIAL NUMBER OF REFRIGERANT RECOVERED FROM F.
		CONNECT TO EXISTING CONTINUATION DETAIL NUMBER SHEET NUMBER (DETAIL REFERENCE	OF REFRIGERANT RECOVERED FROM EADATE OF DECOMMISSIONING, COMPANY SIGNATURE OF ON-SITE SUPERVISOR. GENERAL NOT
		EVAPORATOR COIL	1. PLANS INDICATE GENERAL ROUTING REFRIGERANT LINES, WITH A SINGLE INDICATING BOTH SUCTION AND LIQU
		ISOLATION VALVE ELBOW - TURNED DOWN ELBOW TURNED UP	<ul> <li>ROUTING FOR EACH SYSTEM.</li> <li>2. REFRIGERATION SYSTEM INSTALLAT IN COMPLETE CONFORMANCE WITH SPECIFICATIONS, AND WITH ALL REG DESCRIPTION SOL UPPORT AND UP</li></ul>
		REFRIGERATION KEYNOTE REFERENCEREFRIGERATION PIPING (ABOVE)REFRIGERATION PIPING (BELOW)REFRIGERATION EQUIPMENT (DEMO)	<ul> <li>REFRIGERATION EQUIPMENT MANUF</li> <li>3. REFRIGERATION DRAWINGS ARE PR</li> <li>AID TO BIDDERS AND TO INDICATE D</li> <li>ROUTING OF REFRIGERATION LINES</li> <li>SHALL ASSUME FULL RESPONSIBILIT</li> <li>CORRECT INSTALLATION OF PIPING A</li> </ul>
	ETR (TYP)	EXISTING TO REMAIN TYPICAL KEYNOTES	<ul> <li>ACCESSORIES TO PROVIDE A COMP FULLY OPERATING SYSTEM.</li> <li>4. REFER TO SPECIFICATION 15600 FOF THICKNESS. INSIDE DIAMETER OF IN SHALL MATCH PIPE DIAMETER TO MI</li> </ul>
	PROV	L POINTS WHERE SUCTION LINES RISE, IDE A SUCTION LINE TRAP AT THE BASE OF	GAPS BETWEEN PIPING AND INSULA FACTORY PRE-MANUFACTURED FITT TRAPS AND ELBOWS. WHERE PRE-M FITTINGS ARE UNAVAILABLE MITER O FITTINGS TO ENSURE PROPER SEAL INSULATION SEGMENTS.
KEYNOTES REMOVED: 15.601 15.602	15.606 CONE APPR PROV TAPE LINES	DENSATE DRAIN; PITCH DRAIN LINES DOWN OXIMATELY 1" PER 10' TOWARD DRAIN. (IDE COPPER PIPING WITH ELECTRIC HEAT AND INSULATION ON ALL CONDENSATE EXPOSED TO FREEZING TEMPERATURES. SCHEDULES FOR EVAPORATOR TYPES,	<ol> <li>5. PIPE INSULATION SHALL BE BLACK, U OTHERWISE STATED ON PLANS OR SPECIFICATIONS.</li> <li>6. COORDINATE REFRIGERATION DEMO</li> </ol>
	SIZES ALL R 15.608 END ( GAP. DRAIN	S, AND CAPACITIES; CONTROL METHOD; AND EFRIGERATION PIPING SIZES, ETC. CONDENSATE LINE OVER RECEPTOR W/AIR CONTRACTOR SHALL ENSURE FLOOR N(S) AND DRAIN LINE(S) SERVING WALK-IN FREE OF OBSTRUCTIONS AND FUNCTION	<ul> <li>7. REFRIGERATION SYSTEM SHALL REM</li> </ul>
	PROP AND/C OBTA MECH 15.610 PROV	PERLY. WHERE EXTENSIVE DAMAGE EXISTS OR PROPER DRAINAGE CANNOT BE INED COORDINATE WITH WALMART IANICAL CONSTRUCTION MANAGER. IDE 0.020" PVC JACKET ON ALL	OPERATIONAL DURING REMODELING PHASING OF OLD TO NEW SYSTEMS AND OLD REFRIGERATION SYSTEMS REQUIRED TO OPERATE AT THE SAM SHORT PERIOD.
	15.612 PROV WALL SHOU SUCT 15.617 COOF	IGERATION LINES EXTERIOR TO BUILDING. (IDE INTERMEDIATE SUCTION LINE TRAP IN . OR VOID SPACE. INTERMEDIATE TRAP JLD BE PLACED AT THE MIDPOINT OF ANY ION LINE RISE WHICH EXCEEDS 16 FEET. RDINATE REFRIGERATION LINE	8. WHERE NEW REFRIGERATED EQUIP INDICATED ON THE DRAWINGS, PRO DEMOLITION, REMOVAL, AND TEMPO STORAGE OF OLD EQUIPMENT PER V MECHANICAL SERVICES CONSTRUCT MANAGER'S INSTRUCTIONS, AND RE DEMO NOTES.
***************************************	ROOF OPEN PENE WEAT PROP	TRATIONS THROUGH ROOF. REINFORCE STRUCTURE AS NECESSARY. CUT ROOF ING FOR THE REFRIGERATION PIPE TRATION AND SUPPLY ROOF CURB WITH THERTIGHT SHEETMETAL COVER. PERLY FLASH, PATCH, AND REPAIR ROOF AS	9. COORDINATE REMOVAL AND DISPOS EVAPORATORS, REFRIGERATED CAS CONDENSING UNITS, WITH WALMAR
PIPING SCHEDULE RCU4     Image: Schedule representation of the suction representation representatio	COOF ROOF DRAW 15.620 INSTA	JIRED FOR NEW PENETRATION. RDINATE EXACT SIZE AND LOCATION OF PENETRATIONS WITH STRUCTURAL VINGS. ALL VERTICAL SUCTION DOUBLE RISER IN LOCATION. REFER TO VERTICAL SUCTION	10. REMOVE COPPER LINES, EVAPORAT CONDENSATE LINES FROM COOLERS BEING REMOVED FROM SITE. COORI WALK-IN PANEL VENDOR FOR TIME L REPLACEMENT. REFERENCE SPECIF CONTACT INFORMATION.
AS REQUIRED**     LENGTH***       1 3/8     5/8 & 7/8     1/2     67       OWN EVEN WHERE A RISER IS NOT EXPECTED. THIS IS FOR     AND TO BE USED IN THE EVENT THAT A PIPING CONFLICT     A	FOR S 15.637 REFR REFR LIQUI	BLE RISER DETAIL AND PIPING SCHEDULES SIZES. IGERATION CONTRACTOR SHALL INSTALL IGERATION MANUFACTURER-FURNISHED D LINE SOLENOID VALVE IN A SERVICE SSIBLE LOCATION AT CASE/EVAPORATOR.	11. WALK-IN PANEL VENDOR SHALL PRO PREPARE ALL COOLER/FREEZER PA DOORS, SLIDER OR SWING DOORS, I PREPARE THE EQUIPMENT TO SHIP (
FOR A RISER. IF UNEXPECTED RISER LENGTH EXCEEDS 4         APPROVED BY ENGINEER OF RECORD.         ES INDICATES A VERTICAL SUCTION DOUBLE RISER.	INSTA VALVI CONE SUBM EXAC	ALL CONTROL WIRING FROM SOLENOID E BACK TO CIRCUIT CONTROLLER OR DENSING UNIT. REFER TO REFRIGERATION IITTALS/SCHEDULES AND BAS PLANS FOR IT REQUIREMENTS. REFER TO DIFICATIONS FOR ASSET TAGGING	<ol> <li>COORDINATE WITH FIRE PROTECTIO CONTRACTOR FOR THE REMOVAL O FOR ALL REMOVED COOLER/FREEZE</li> <li>COORDINATE WITH ELECTRICAL CONTRACTOR OF ALL DEMOVICE OF A</li></ol>
TAL LENGTH INCLUDES HORIZONTAL AND VERTICAL PIPE S ONLY AN ESTIMATE AND ACTUAL LENGTH WILL VARY. NOT SIDDING PURPOSES.		JIREMENTS.	<ul> <li>THE REMOVAL OF ALL REMOVED CO BOXES ELECTRICAL WIRING DEVICES</li> <li>14. COORDINATE WITH BAS CONTRACTOR REMOVAL OF ALL REMOVED COOLEF BOXES EMS WIRING AND DEVICES.</li> </ul>
			<ul> <li>15. EXISTING REFRIGERATION PIPING MUNLESS OTHERWISE NOTED ON PLA SCHEDULES FOR PIPE SIZE REQUIRE</li> <li>16. BUILDING COMPONENTS ABANDONE</li> </ul>
			SCOPE OF WORK SHALL BE SECURE FALLING, LOOSENING, OR CREATING ANY KIND IN THE FUTURE. 17. IF ANY RACK SYSTEMS WILL BE OPE REPLACE CASES, EVAPORATORS, ET
			48 HOURS AFTER THE WORK IS COM ALL FINAL ADJUSTMENTS HAVE BEEI PROVIDE AND CHANGE LIQUID LINE F OIL SYSTEM FILTER USING SPORLAN FILTER, AND REPLACE SUCTION FILT ARE TO BE RATED FOR WAX REMOV CONTRACTOR TO PROPERLY DISPOS COMPONENTS REPLACED. REFER TO
			SPECIFICATION 15600. 18. REFER TO GROCERY ARCHITECTUR/ FOR ADDITIONAL WORK BY REFRIGE CONTRACTOR.
ID RCU4 ENTIRE PLAN REVISED.			<ol> <li>COMPLETE ASSET TAGGING PROCES NEW REFRIGERATED CASES. REFER SPECIFICATIONS.</li> <li>UPON START-UP OF ALL NEW REFRIGE</li> </ol>
COT CD RCU4 KRD64E-220			EQUIPMENT. CONSTRUCTION MANAG REQUEST THE BUILDING PERFORMA FOR ALL RACKS AND SUCTION GROU WORK IS PERFORMED. ANY DEVIATIO THE REPORT MUST BE CORRECTED PROJECT CLOSE OUT. REQUEST VIA
(NEW) RCU2 KRD64E-220 (NEW) ADD RUNNING TRAP BETWEEN ROOMS TYP (NEW) ADD RUNNING TRAP BETWEEN ROOMS RCU3 (NEW) COLER	5		B.PTEAM1@WAL-MART.COM
TINUATION, TYP. (15.637) (15.637) (15.637) (15.637) (15.637) (15.637) (15.607) (15.607) (15.607) (15.607)			PRIOR TO INSTALLING ANY EQUIPME ADJUSTING RACK PARAMETERS, REF CONTRACTOR SHALL REQUEST A SU REPORT FOR ALL RACKS AND SUCTION WHERE WORK IS PERFORMED. REQU
			REFERENCE ARCHITECTURAL DRAWINGS CASES BEING INSTALLED FOR CONNECTI UTILITIES. (TOP FED VS BOTTOM FED)
			ALL WORK ON THIS SHEET IS TO BE COM

KNOWLEDGE.



	Form	at:		Supercente	er	Stor	·e#:		2403					Syst
						City/S			Puyallup, V	MΔ				
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														Specific
	Equip Info			C	Case Fixture	Length / Qua	antity			Wal	lk-In B	ox Size	-	
CKT #	Number	Cutsheet Date	FT/# of Doors	1 Dr/2'	2 Dr/4'	3 Dr/6'	4 Dr/8'	5 Dr/10'	6 Dr/12'	L	w			Ca
RCU2										16	16	10		KF
General N		ndensina Llnit c	coordinated with Hus	semann										
1.) 2.)	Temperature an			Sinanii.										
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	Equip Inf			(	Case Fixture	Length / Qu	antity			Wal	ılk-In B	Box Size	-	Specific
CKT # RCU3 General N 1.) 2.)	Tag Number	Cutsheet Date	FT/# of Doors	1 Dr/2'	Case Fixture 2 Dr/4'	Length / Qu 3 Dr/6'	antity 4 Dr/8'	5 Dr/10'	6 Dr/12'	Wal	Ilk-In B W 16	Н	-	Ca
RCU3 General N 1.)	Tag Number Notes: New Remote Co	Cutsheet Date	coordinated with Hus	1 Dr/2'	2 Dr/4'	3 Dr/6'	4 Dr/8'			L 18	W 16	H 6 10		Ca GL
RCU3 General N 1.)	Tag Number Notes: New Remote Co	Cutsheet Date	coordinated with Hus	1 Dr/2'	2 Dr/4'		4 Dr/8'			L 18	W 16	H 6 10	LES	Ca GL
RCU3 General N 1.)	Tag Number Notes: New Remote Co	Cutsheet Date	coordinated with Hus	1 Dr/2'	2 Dr/4'	3 Dr/6'	4 Dr/8'			L 18	W 16	H 6 10	LES	Ca GL
RCU3 General N 1.)	Tag Number lotes: New Remote Co Temperature an	Cutsheet Date ondensing Unit of d defrost contro	coordinated with Hus	1 Dr/2'	2 Dr/4'	3 Dr/6'	4 Dr/8' RIGE e#:		ION	L 18 SC	W 16	H 6 10	LES	Ca GL SYST Syst
RCU3 General N 1.)	Tag Number Notes: New Remote Co Temperature an	Cutsheet Date	coordinated with Hus	1 Dr/2'	2 Dr/4'	3 Dr/6'	4 Dr/8' RIGE e#: itate:		<b>ION</b> 2403	L 18 SC	W 16	H 6 10	LES	Specifica Ca GL SYST Syst Con Prep
RCU3 General N 1.)	Tag Number Notes: New Remote Co Temperature an Forma Proto S	Cutsheet Date	coordinated with Hus	1 Dr/2'	2 Dr/4'	3 Dr/6' REFF Store City/S	4 Dr/8' RIGE e#: itate:		ION 3 2403 Puyallup, V	L 18 SC	W 16	H 6 10		Ca GL SYST Syst Co Pre
RCU3 General N 1.)	Tag Number Notes: New Remote Co Temperature an Forma Proto S	Cutsheet Date ondensing Unit of d defrost contro	coordinated with Hus	1 Dr/2' ssmann. Supercente Remodel 7/30/2021	2 Dr/4'	3 Dr/6' REFF Store City/S	4 Dr/8' RIGE e#: :tate: epared		ION 3 2403 Puyallup, V	L 18 SC	w 16	H 6 10		Ca GL SYST Syst Co Pre
RCU3 General N 1.)	Tag Number	Cutsheet Date ondensing Unit of d defrost contro	coordinated with Hus	1 Dr/2' ssmann. Supercente Remodel 7/30/2021	2 Dr/4'	3 Dr/6' REFF Store City/S Date Pre	4 Dr/8' RIGE e#: :tate: epared		ION 3 2403 Puyallup, V	L 18 SC	w 16	н 3 10 EDU		Ca GL SYST Syst Co

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			Refrig. BAS:	Novar	Condenser Type:	Air	H	/R Media:	N/A	SG1 Liq Temp ºF:	103	SG2 Liq Temp	°F:	N/A	C	ESIGN DB	°F:	90	6	ASHRAE Weather Station Location:	MCCHORD AFB, WA
Remote Condensing Unit	Refrigerant:	R448A	System Elec:	208V/220V 3ph 60Hz	Sat. Cond. Temp ºF:	111	F	H/R Use:	N/A	SG1 Comp RGT °F:	30	SG2 Comp RGT	°F:	N/A	D	ESIGN WB	°F :	68	8	EXTERIOR DRY BULB (DB) °F: (Based on 5 yr Extreme DB)	
William R. Kraner, P.E.	Estimated Refrigerant Cha	rge	Defrost Elec:	208V 1Ph/3Ph 60Hz	Cond Design TD °F:	15	H/R	Water GPM:	N/A						DESIGN IN	ITERIOR DE	RY BULB °F :	7	5	EXTERIOR WET BULB (WB) °F: (Based on 0.4% Monthly Max MCWB)	
James Van Grouw	Rack and Condenser (lbs)		Sys.Pilot Elec:	N/A	Evap. Superheat °F:	10	Est. Sum	nmer THR MBH:	N/A						DESIG		R RH %:	55	6%	ASHRAE PUBLISHED YEAR:	
15610 v4.0 - DX	Fixture and Field Piping (lbs)		Cond. Elec:	N/A			Est. Wi	nter THR MBH:	N/A											DESIGN ELEVATION (FT):	
CIRCUIT INFORMATION	J												FIXTURE ELE	CTRICAL INF	ORMATION					MISC INFORMATION	
						Circuit		Case/								Lights	Anti-Sweat	Drain	n Pan		
Case / Coil			LSHX	Evaporator Coil	Sub-Circuit Load	Load	Evap.	Walk-In	Circuit	Control Valves	Defrost	Defrost Heater	rs	Fa	ans	Amps	Amps	Am	nps		
Manufacturer	Application		Model #	TXV / Distributor	(MBH)	(MBH)	SST	Air Temp	EEPR	LLSV	Туре	Amps	Voltage	Amps	Voltage	(120v)	(120v)	(12	0v)	Comments	
Krack	1/2 Pickup Freezer W.I.		HX-6	^/		16.6	-18	-10	N/A	E6S140	EL	17.4	208/3	3.6	208/1					NEW EVAP	
· ·			· ·	Suction Gro	oup #1 Required Capacity:	16.6	-21	(°F) Suction Tempe	rature	•											
	Remote Condensing Unit William R. Kraner, P.E. James Van Grouw 15610 v4.0 - DX CIRCUIT INFORMATION Case / Coil Manufacturer	Remote Condensing Unit     Refrigerant:       William R. Kraner, P.E.     Estimated Refrigerant Cha       James Van Grouw     Rack and Condenser (lbs)       15610 v4.0 - DX     Fixture and Field Piping (lbs)       CIRCUIT INFORMATION     Case / Coil       Manufacturer     Application	Remote Condensing Unit       Refrigerant:       R448A         William R. Kraner, P.E.       Estimated Refrigerant Charge         James Van Grouw       Rack and Condenser (lbs)          15610 v4.0 - DX       Fixture and Field Piping (lbs)          CIRCUIT INFORMATION       Case / Coil       Application	Remote Condensing Unit     Refrigerant:     R448A     System Elec:       William R. Kraner, P.E.     Estimated Refrigerant Charge     Defrost Elec:       James Van Grouw     Rack and Condenser (lbs)      Sys.Pilot Elec:       15610 v4.0 - DX     Fixture and Field Piping (lbs)      Cond. Elec:       CIRCUIT INFORMATION     Cond. Elec:     LSHX       Manufacturer     Application     LSHX	Refrig. BAS:     Novar       Remote Condensing Unit     Refrigerant:     R448A     System Elec:     208V/220V 3ph 60Hz       William R. Kraner, P.E.     Estimated Refrigerant Charge     Defrost Elec:     208V 1Ph/3Ph 60Hz       James Van Grouw     Rack and Condenser (lbs)      Sys.Pilot Elec:     N/A       15610 v4.0 - DX     Fixture and Field Piping (lbs)      Cond. Elec:     N/A       CIRCUIT INFORMATION     Fixture and Field Piping (lbs)      Cond. Elec:     N/A       Case / Coil     Application     LSHX     Evaporator Coil       Manufacturer     Application     HX-6     ^^	Refrig. BAS:     Novar     Condenser Type:       Remote Condensing Unit     Refrigerant:     R448A     System Elec:     208V/220V 3ph 60Hz     Sat. Cond. Temp °F:       William R. Kraner, P.E.     Estimated Refrigerant Charge     Defrost Elec:     208V 1Ph/3Ph 60Hz     Cond Design TD °F:       James Van Grouw     Rack and Condenser (lbs)      Sys.Pilot Elec:     N/A     Evap. Superheat °F:       15610 v4.0 - DX     Fixture and Field Piping (lbs)      Cond. Elec:     N/A     Evap. Superheat °F:       CIRCUIT INFORMATION     Fixture and Field Piping (lbs)      Cond. Elec:     N/A     Sub-Circuit Load (MBH)	Refrig. BAS:       Novar       Condenser Type:       Air         Remote Condensing Unit       Refrigerant:       R448A       System Elec:       208V/220V 3ph 60Hz       Sat. Cond. Temp °F:       111         William R. Kraner, P.E.       Estimated Refrigerant Charge       Defrost Elec:       208V 1Ph/3Ph 60Hz       Cond Design TD °F:       15         James Van Grouw       Rack and Condenser (lbs)        Sys.Pilot Elec:       N/A       Evap. Superheat °F:       10         15610 v4.0 - DX       Fixture and Field Piping (lbs)        Cond. Elec:       N/A       Evap. Superheat °F:       10         CIRCUIT INFORMATION       Fixture and Field Piping (lbs)        Cond. Elec:       N/A       Circuit       Circuit         Case / Coil       Application       LSHX       Evaporator Coil       Sub-Circuit Load       Circuit       Load         Manufacturer       Application       HX-6       ^^       Motel #       16.6	Refrig. BAS:     Novar     Condenser Type:     Air     Air       Remote Condensing Unit     Refrigerant:     R448A     System Elec:     208V/220V 3ph 60Hz     Sat. Cond. Temp °F:     111     P       William R. Kraner, P.E.     Estimated Refrigerant Charge     Defrost Elec:     208V 1Ph/3Ph 60Hz     Cond Design TD °F:     155     H/R       James Van Grouw     Rack and Condenser (lbs)      Sys.Pilot Elec:     N/A     Evap. Superheat °F:     10     Est. Sur       15610 v4.0 - DX     Fixture and Field Piping (lbs)      Cond. Elec:     N/A     Evap. Superheat °F:     10     Est. William R.       CIRCUIT INFORMATION     Fixture and Field Piping (lbs)      Cond. Elec:     N/A     Evap. Superheat °F:     10     Est. William R.       Case / Coil     Fixture and Field Piping (lbs)      Cond. Elec:     N/A     Evap. Superheat °F:     10     Est. William R.       Case / Coil     Fixture and Field Piping (lbs)      Cond. Elec:     N/A     Image: Cond. Elec:     N/A     Image: Cond. Elec:     N/A     Evap. Superheat °F:     10     Est. William R.       Case / Coil     Gase / Coil     Image: Cond. Elec:     N/A     Image: Cond. Elec:     N/A     Image: Cond. Elec:     N/A     Image: Cond. Elec:     N/A     Image: Cond.	Refrig. BAS:     Novar     Condenser Type:     Air     H/R Media:       Remote Condensing Unit     Refrigerant:     R448A     System Elec:     208V/220V 3ph 60Hz     Sat. Cond. Temp °F:     111     H/R Use:       William R. Kraner, P.E.     Estimated Refrigerant Charge     Defrost Elec:     208V 1Ph/3Ph 60Hz     Cond Design TD °F:     15     H/R Water GPM:       James Van Grouw     Rack and Condenser (lbs)      Sys.Pilot Elec:     N/A     Evap. Superheat °F:     10     Est. Summer THR MBH:       15610 v4.0 - DX     Fixture and Field Piping (lbs)      Cond. Elec:     N/A     Evap. Superheat °F:     10     Est. Winter THR MBH:       CIRCUIT INFORMATION     Fixture and Field Piping (lbs)      Cond. Elec:     N/A     Circuit     Case/       Case / Coil     Gase / Coil     LSHX     Evaporator Coil     Sub-Circuit Load     Evap.     Evap.       Manufacturer     Application     HX-6     A^A     Manufacturer     16.6     -18     -10	Image: Section of the section of th	Kernete Condensing Unit       Refrigerant:       R448A       System Elec:       208V/220V 3ph 60Hz       Sat. Cond. Temp °F:       Air       H/R Media:       N/A       SG1 Liq Temp °F:         William R. Kraner, P.E.       Estimated Refrigerant Charge       Defrost Elec:       208V 1Ph/3Ph 60Hz       Cond Design TD °F:       111 $H/R Use:$ N/A       SG1 Liq Temp °F:         James Van Grouw       Rack and Condenser (lbs)        Sys.Pilot Elec:       N/A       Evap. Superheat °F:       10       Est. Winter THR MBH:       N/A       Image: Cond Design TD °F:       10       Est.Winter THR MBH:       N/A       Image: Cond Design TD °F:       10       Est.Winter THR MBH:       N/A       Image: Cond Design TD °F:       10       Est.Winter THR MBH:       N/A       Image: Cond Design TD °F:       10       Est.Winter THR MBH:       N/A       Image: Cond Design TD °F:       10       Est.Winter THR MBH:       N/A       Image: Cond Design TD °F:       10       Est.Winter THR MBH:       N/A       Image: Cond Design TD °F:       10       Est.Winter THR MBH:       N/A       Image: Cond Design TD °F:       10       Est.Winter THR MBH:       N/A       Image: Cond Design TD °F:       10       Image: Cond Design TD °F:	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \frac{1}{120000000000000000000000000000000000$	$ \begin to the tension of tens$	Kanna Kanar, P.E.       Refine BAS:       Novar       Condenser Type:       Air       Hir Media:       NA       SG1 Liq Temp?F:       103       SG2 Liq Tem PF:       NA         Remote Condensing Unit       Refrigerant:       R448       System Elec:       208V/220V 3ph 60Hz       Sal Cond. Tem PF:       111       H/R Use:       N/A       SG1 Liq Tem PF:       30       SG2 Liq Tem PF:       N/A       N/A         William K Kraner, P.E.       Estimated Refrigerant Charge       Defrost Elec:       208V 1Ph/3Ph 60Hz       Cond Design DPF:       15       H/R Water GPM:       N/A       SG1 Comp RGT F:       30       SG2 Com PGT F:       N/A       N/A         James Van Grouw       Reknad Condenser (lbs)        Sys.Pilot Elec:       N/A       Evap. Superheat 'F:       100       Est.Wint TR MBH:       N/A       Interverteree       Intervertere	$ \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Refrig. AS:       Refrig. BAS:       Novar       Condenser Type:       Air       Hir Media:       NA       SG1 Liq Temp F:       103       SG2 Liq Temp F:       NA       DESIGN DB F:         Remote Condensing Unit       Refrigerant:       R448A       System Elec:       208V/20V 3ph 60Hz       Sat. Cond. Temp F:       111       Hir Media:       NA       SG1 Liq Temp F:       30       SG2 Com pGT F:       NA       DESIGN NB F:       DESIGN NB F:       DESIGN NB F:       DESIGN ND F:       NA       SG1 Liq Temp F:       30       SG2 Com pGT F:       NA       DESIGN ND F:       NA       SG1 Liq Temp F:       NA       SG1 Com pGT F:       NA       SG1 Liq Temp F:       NA       NA       SG1 Li	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Image: mark       Refig BAS:       Novar       Condenertype       Air       H/R Media:       NA       S12 lg Temp fe:       103       S22 lg Temp fe:       NA       Esign DB fe:       NA       S12 lg Temp fe:       NA       S1

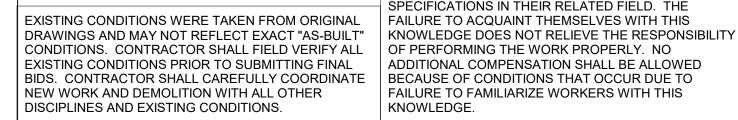
		DN					Circuit	Case/				FI			DN Lights	Anti-Sweat	Drain Pan	MISC INFORMATION	
ction:	15610 v4.0 - DX	Fixture and Field Piping (lbs)		Cond. Elec:	N/A			Est. Winter THR MBH:	N/A									DESIGN ELEVATION (FT):	
	James Van Grouw	Rack and Condenser (lbs)		Sys.Pilot Elec:	N/A	Evap. Superheat °F:	10	Est. Summer THR MBH:	N/A					DI	ESIGN INTERIO	OR RH % :	55%	ASHRAE PUBLISHED YEAR:	
	William R. Kraner, P.E.	Estimated Refrigerant 0	Charge	Defrost Elec:	208V 1Ph/3Ph 60Hz	Cond Design TD °F:	15	H/R Water GPM:	N/A					DESIG	GN INTERIOR I	DRY BULB °F :	75	EXTERIOR WET BULB (WB) °F: (Based on 0.4% Monthly Max MCWB)	
:	Remote Condensing Unit	Refrigerant:	R448A	System Elec:	208V/220V 3ph 60Hz	Sat. Cond. Temp ºF:	111	H/R Use:	N/A	SG1 Comp RGT °F:	50	SG2 Comp RGT °F:	N	//A	DESIGN W	B ⁰F :	68	EXTERIOR DRY BULB (DB) °F: (Based on 5 yr Extreme DB)	
RCU3		1		Refrig. BAS:	Novar	Condenser Type:	Air	H/R Media:	N/A	SG1 Liq Temp ºF:	103	SG2 Liq Temp °F:	N	//A	DESIGN DI	B°F:	96	ASHRAE Weather Station Location:	MCCHORD AFB, W

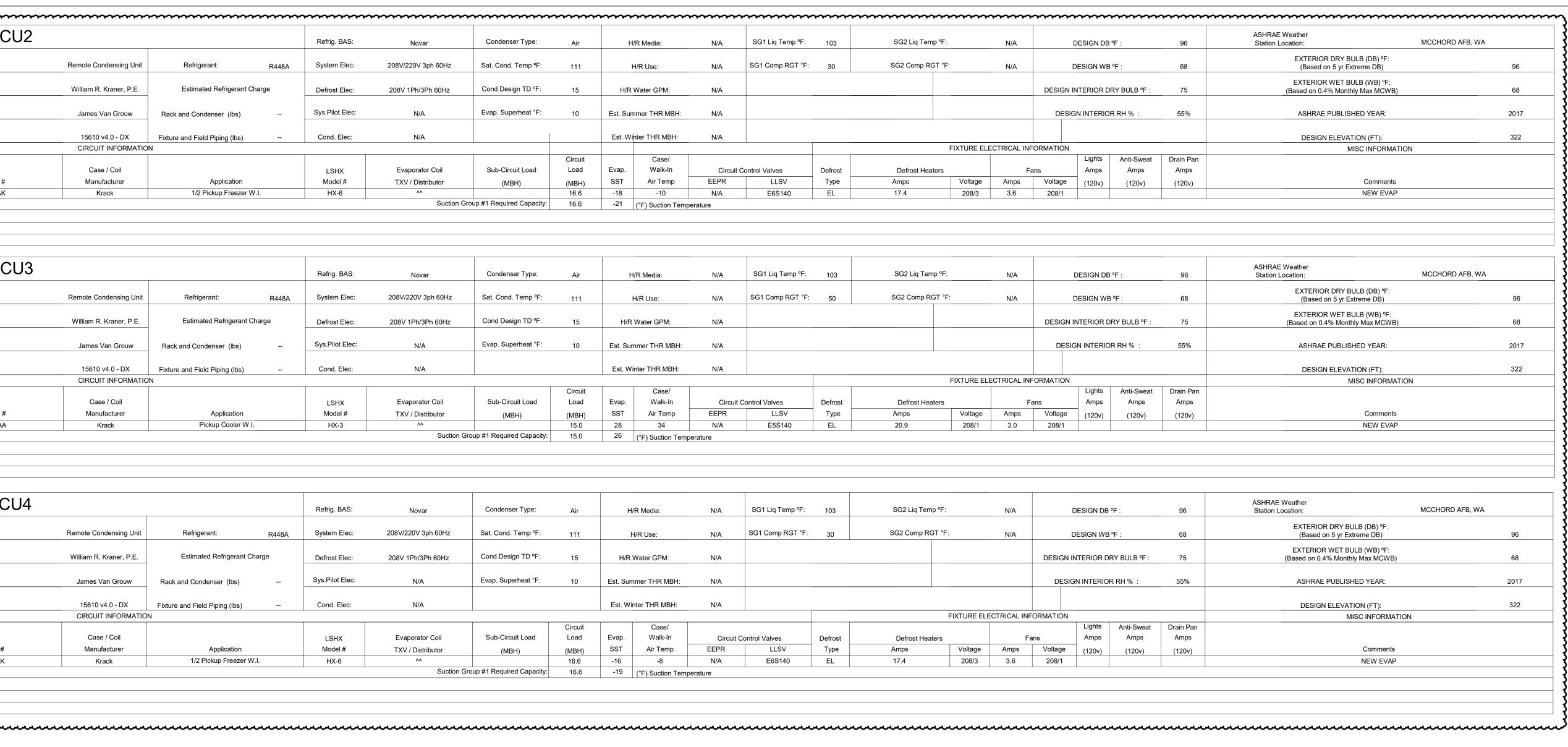
RCU4				Refrig. BAS:	Novar	Condenser Type:	Air	н	/R Media:	N/A	SG1 Liq Temp ºF:	103	SG2 Liq Temp °	F:	N/A		DESIGN DB	6°F∶	96	ASHRAE Weather Station Location:	MCCHORD AFB, WA
	Remote Condensing Unit	Refrigerant:	R448A	System Elec:	208V/220V 3ph 60Hz	Sat. Cond. Temp ºF:	111	H	H/R Use:	N/A	SG1 Comp RGT °F	: 30	SG2 Comp RGT	°F:	N/A		DESIGN WE	3°F :	68	EXTERIOR DRY BULB (DB) °F: (Based on 5 yr Extreme DB)	
	William R. Kraner, P.E.	Estimated Refrigerant C	harge	Defrost Elec:	208V 1Ph/3Ph 60Hz	Cond Design TD °F:	15	H/R	Water GPM:	N/A						DESIGN	I INTERIOR D	RY BULB °F :	75	EXTERIOR WET BULB (WB) °F: (Based on 0.4% Monthly Max MCWB)	
	James Van Grouw	Rack and Condenser (Ibs)		Sys.Pilot Elec:	N/A	Evap. Superheat °F:	10	Est. Sun	nmer THR MBH:	N/A						DES	IGN INTERIO	R RH % :	55%	ASHRAE PUBLISHED YEAR:	
ion:	15610 v4.0 - DX	Fixture and Field Piping (lbs)		Cond. Elec:	N/A			Est. Wi	nter THR MBH:	N/A										DESIGN ELEVATION (FT):	
	CIRCUIT INFORMATIO	N									·			FIXTURE ELE	ECTRICAL IN	IFORMATION				MISC INFORMATIO	DN
							Circuit		Case/								Lights	Anti-Sweat	Drain Pan		
	Case / Coil			LSHX	Evaporator Coil	Sub-Circuit Load	Load	Evap.	Walk-In	Circuit	Control Valves	Defrost	Defrost Heaters	S	F	ans	Amps	Amps	Amps		
odel #	Manufacturer	Application		Model #	TXV / Distributor	(MBH)	(MBH)	SST	Air Temp	EEPR	LLSV	Туре	Amps	Voltage	Amps	Voltage	(120v)	(120v)	(120v)	Comments	
TDAK	Krack	1/2 Pickup Freezer V	/	HX-6	٨٨		16.6	-16	-8	N/A	E6S140	EL	17.4	208/3	3.6	208/1	. ,			NEW EVAP	

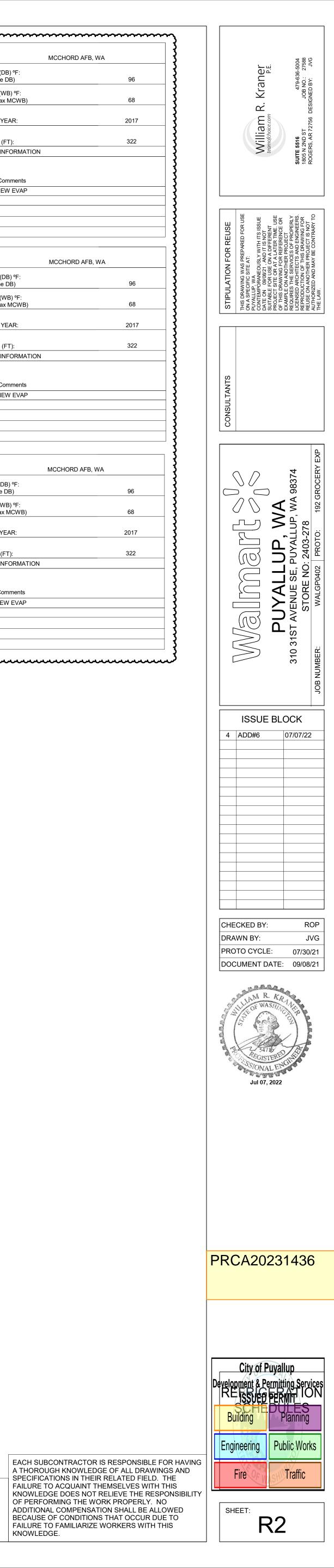
IISHED	WALK-IN EVAP	ORATOR COIL	L SCHEDU	LE	<ul> <li>GENERAL INFORMATION (ALL COILS):</li> <li>1. COILS FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR</li> <li>2. INFORMATION CONTAINED WITHIN THIS SCHEDULE IS FOR OWN INFORMATION REGARDING EQUIPMENT.</li> <li>3. SUPPLIER SHALL VERIFY PRODUCT REQUIREMENTS INCLUDING REQUIREMENTS, ETC. WITH REFRIGERATION SCHEDULE(S).</li> </ul>
	Type	VOLTAGE	QTY	NOTES	NOTES
ATION	GL66D-268	208 V	1		NOTES:
ATION	KR64E-220	208 V	2		A. EVAPORATOR COIL SHALL BE FURNISHED WITH FACTORY INST
	turning 4				15690 EQUIPMENT SPECIFICATION, INCLUDING: ELECTRONIC EX UPSTREAM OF THE EEV), SUCTION PRESSURE TRANSDUCER, A SENSOR AND ALL OTHER COMPONENTS, REFER TO DETAILS FO

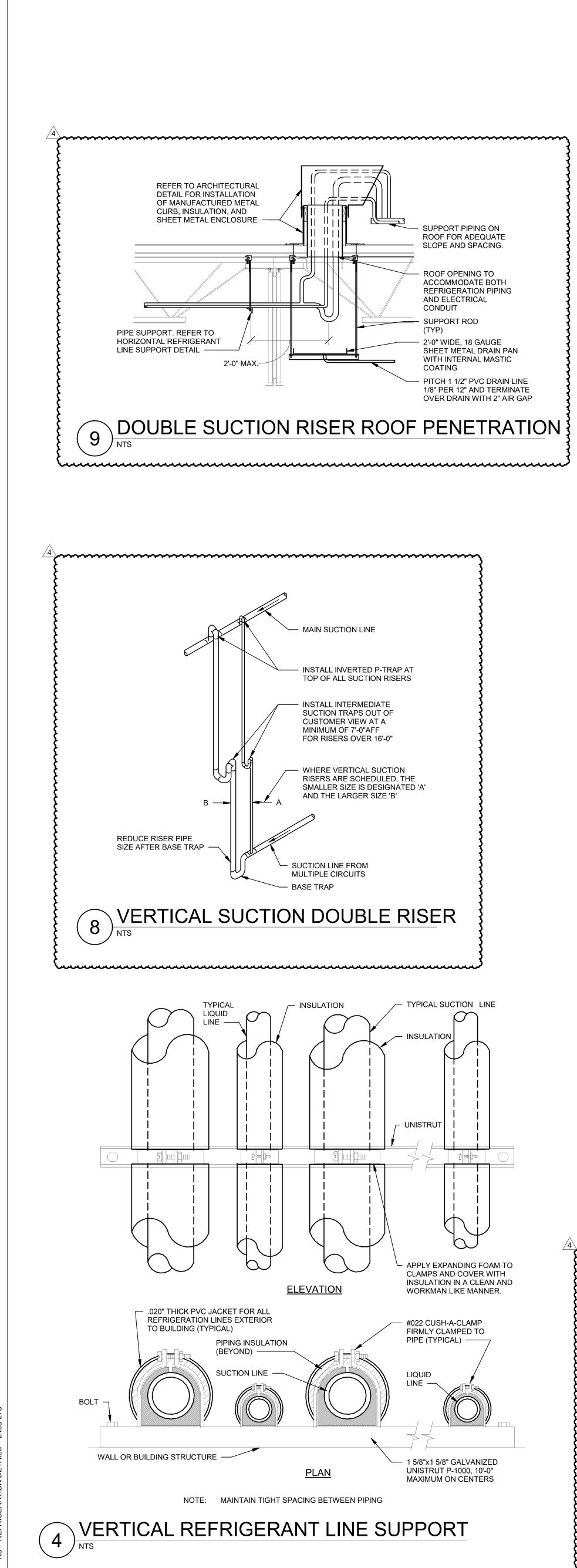
NER'S PURCHASING REPRESENTATIVE. REFER TO REFRIGERATION SCHEDULE(S) FOR SPECIFIC IG BUT NOT LIMITED TO LIQUID TO SUCTION HEAT EXCHANGER, EXPANSION DEVICE TYPE, ELECTRICAL

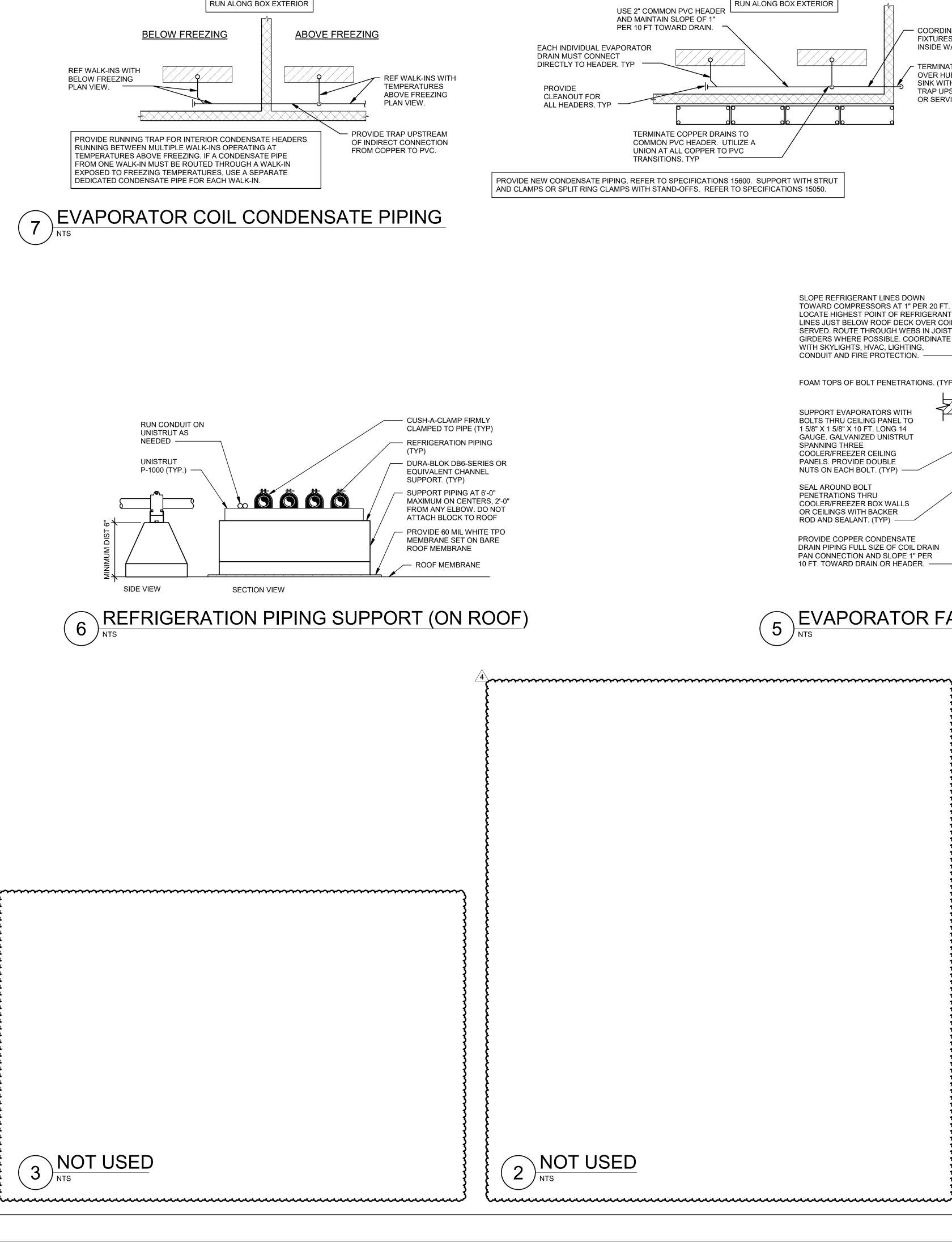
TALLED VALVES, SENSORS, TRANSDUCERS, AND ALL OTHER APPURTENANCES, AS OUTLINED IN THE EXPANSION VALVE (EEV), SCHRADER VALVES (TWO IN THE SUCTION LINE, ONE IN THE LIQUID LINE, AIR TEMPERATURE SENSOR, SUCTION TEMPERATURE SENSOR, DEFROST TERMINATION TEMPERATURE NEW WORK AND DEMOLITION WITH ALL OTHER SENSOR AND ALL OTHER COMPONENTS. REFER TO DETAILS FOR FIELD INSTALLED CONTROL WIRING BETWEEN EVAPORATOR COIL AND WALK-IN UNIT CONTROLLER.

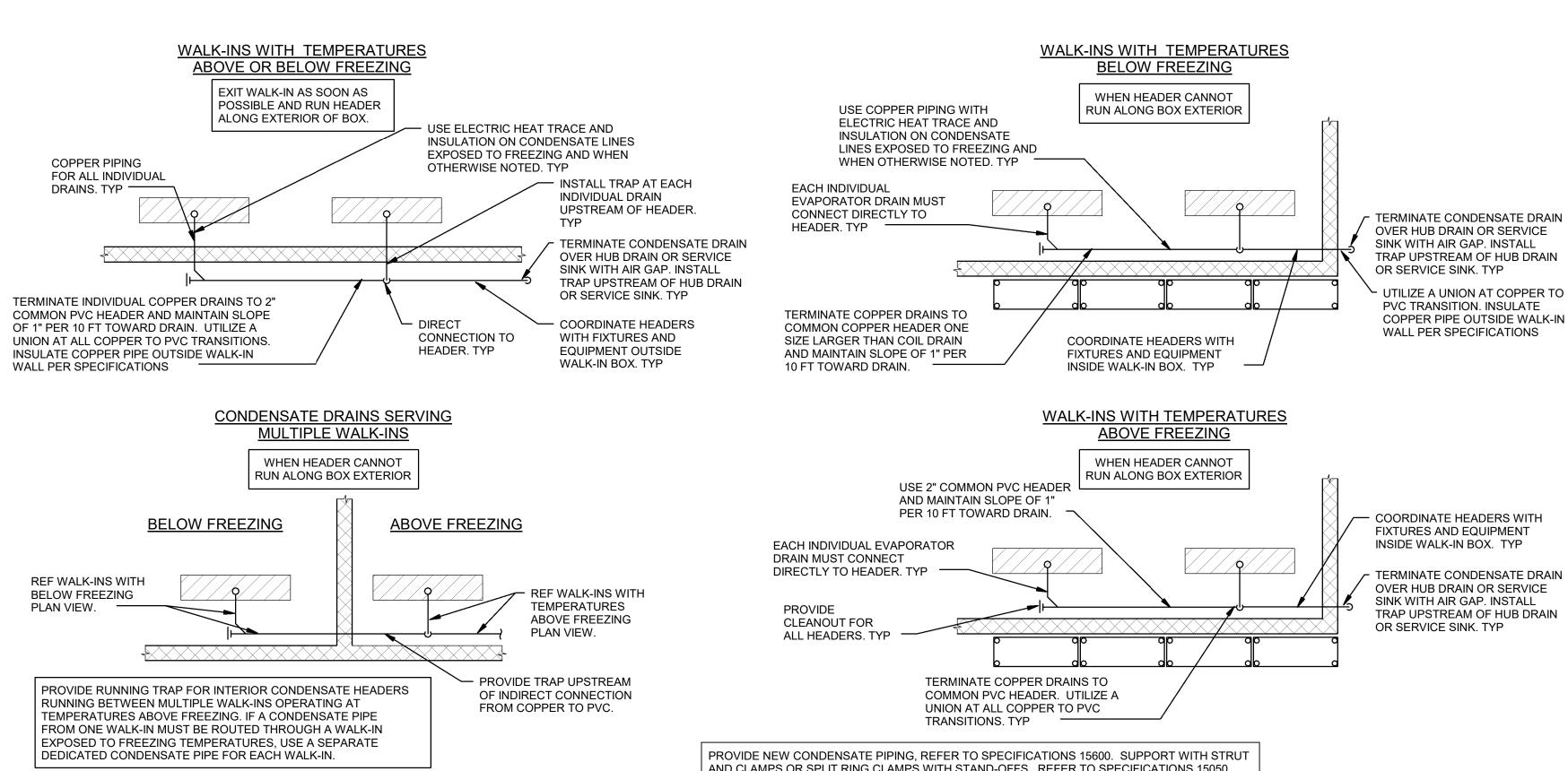


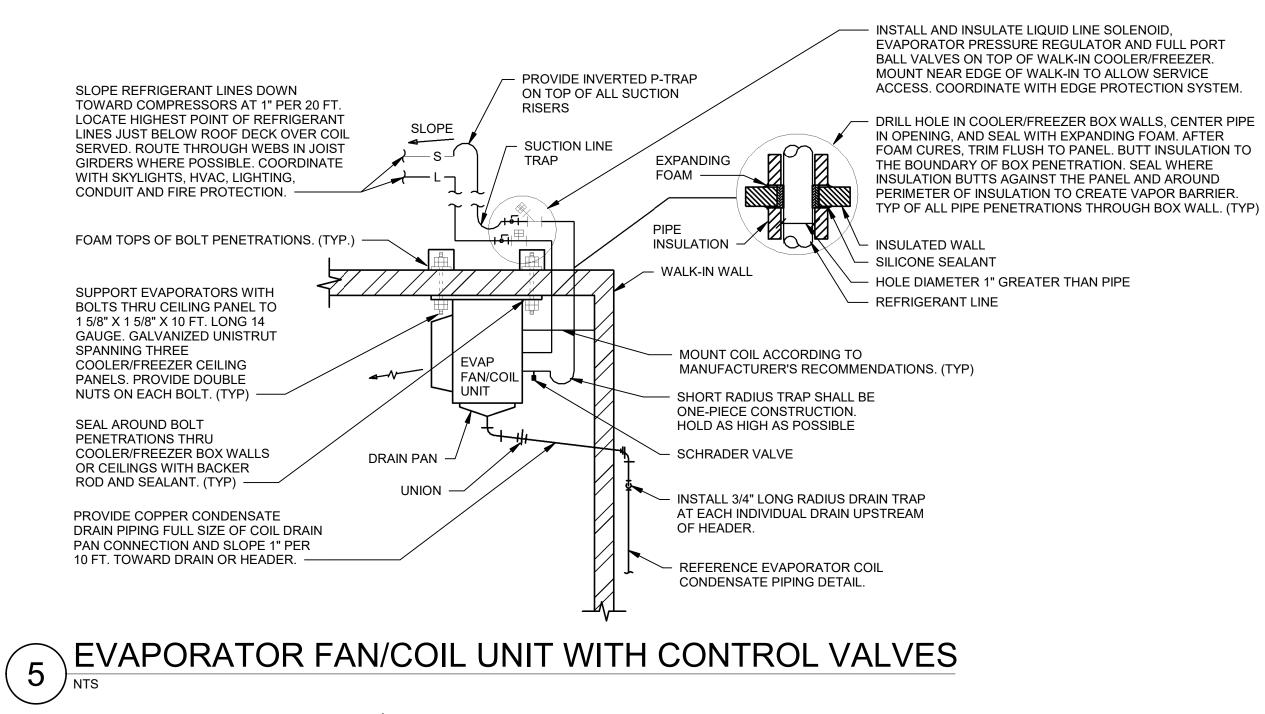








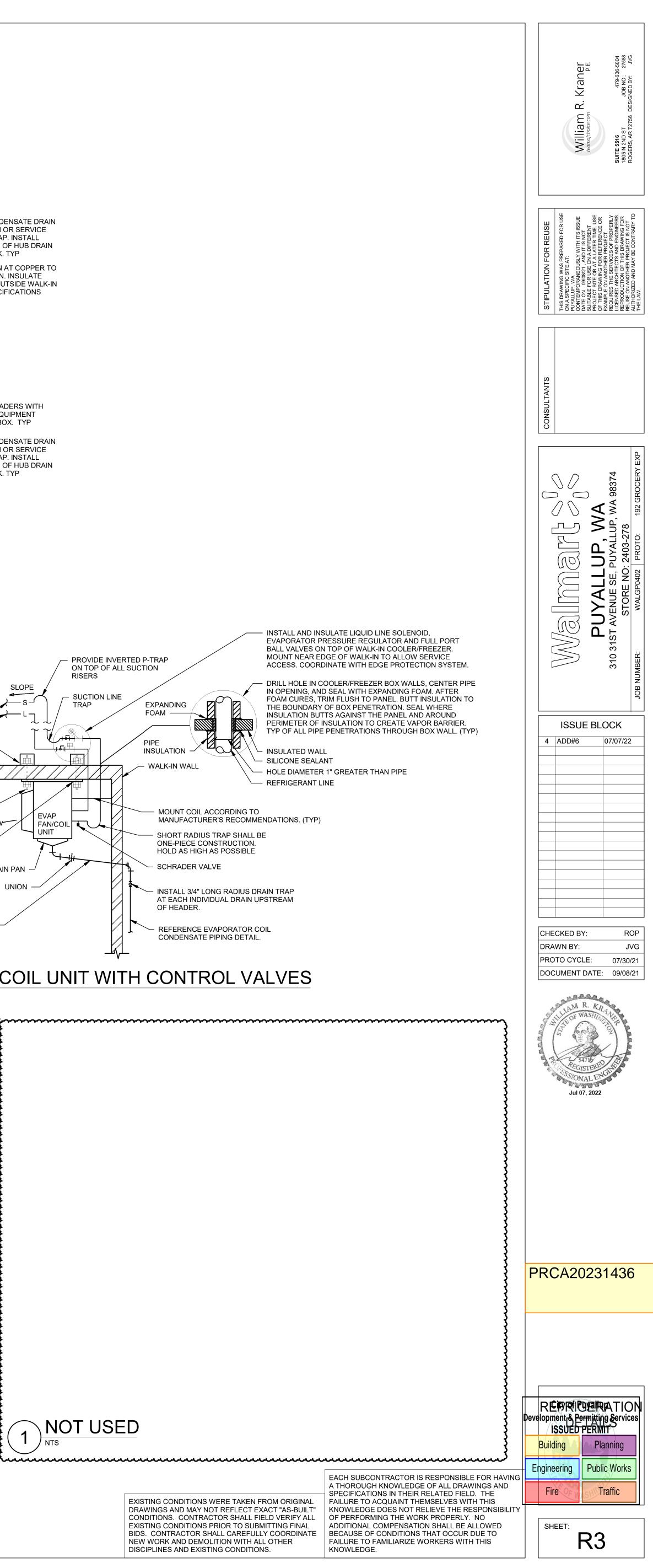


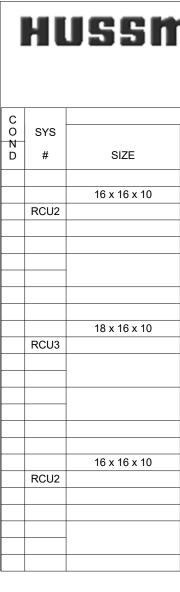


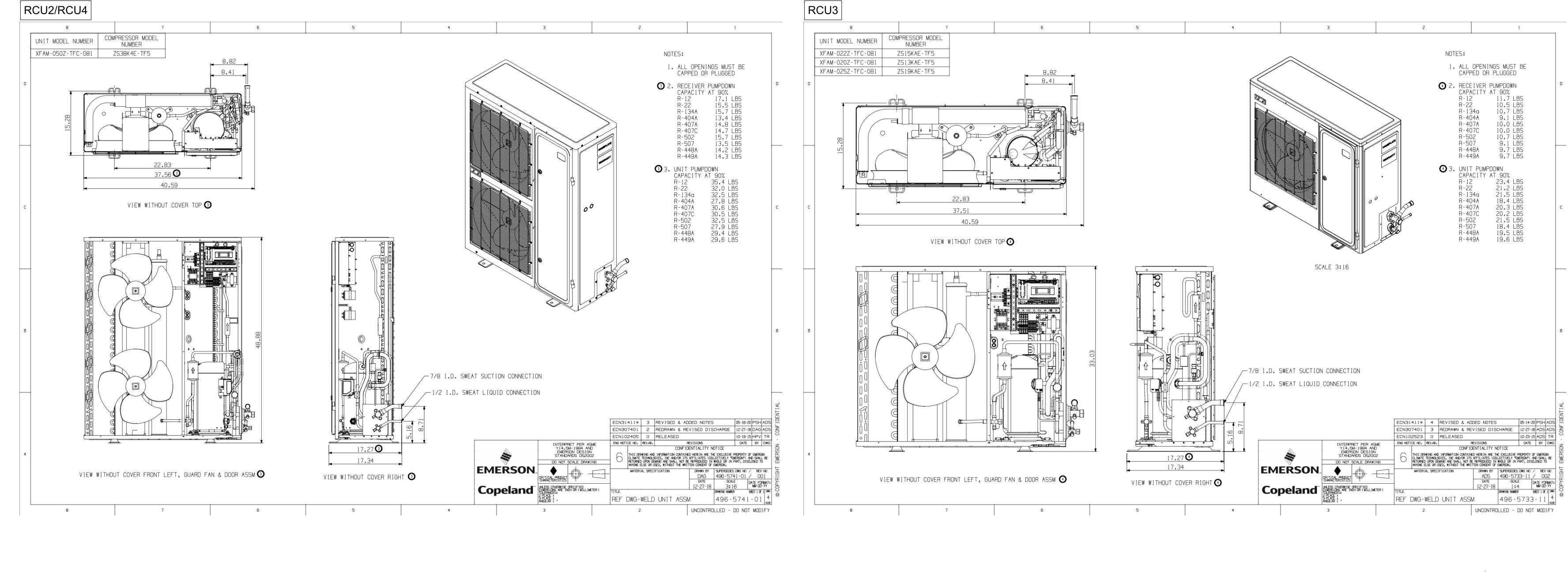


EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE | BECAUSE OF CONDITIONS THAT OCCUR DUE TO NEW WORK AND DEMOLITION WITH ALL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

KNOWLEDGE.



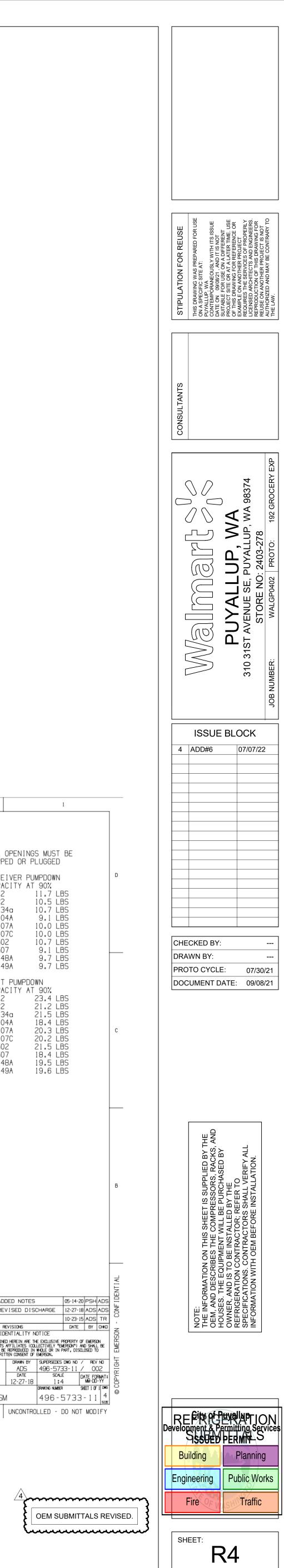




Inn®											CUSTOMER			Wa	almart		
STORE: #	#2403										CONTACT						
LOCATION: F	Puyallup, Washington, USA										SALESMAN			Keit	h Exler		
QUOTE / JOB #: 0	CRM146377										ENGINEER			Jos	h Lurk		
REFRIGERATOR/UNIT COOL	ER	DIS	REQ'D				UNIT SIZES	DES	IGN CONDITIONS			С	ONDEN	SING UN IT I	DATA		
		AIR	CAP	EVP	DEF DEF	WEIGHT	SPEC	MID POINT	COND	REF	CONDENSING UNIT	CAP	COMP	MID POINT	UNIT	UNIT	U
MODEL	DESCRIPTION	TMP	(MBH)	TMP	TYPE TER	LBS	SHEET	SST	DEG F	TYPE	MODEL#	MBH	kW	COND T	VOLT	MCA	м
KRD64E-220TDAK	Pickup Freezer W.I.	-10	16.60	-18	EL	333	40.6Lx17.3Wx48.9H	-21	96 AMBIENT	R448A	XFAL-050Z-TFC-081	19.8		111	208-230V/3P/60Hz	28.8	4
																	<b>—</b>
	SHIP LOOSE INCLUDES:																
KE2	(1) E6 120V LLSV															ם חואא פ	
KE2	(1) E6 120V LLSV (1) 7/8 SUCTION FILTER														ONDENSATE PAN HT		
KE2																	
KE2		34	15.00	28	EL	226	40.6Lx17.3Wx33H	26	96 AMBIENT	R448A	XFAM-022Z-TFC-081						
	(1) 7/8 SUCTION FILTER	34	15.00	28	EL	226	40.6Lx17.3Wx33H	26	96 AMBIENT	R448A	XFAM-022Z-TFC-081			T HEATER N	NOT POWERED FROM		
	(1) 7/8 SUCTION FILTER	34	15.00	28	EL	226	40.6Lx17.3Wx33H	26	96 AMBIENT	R448A	XFAM-022Z-TFC-081			T HEATER N	NOT POWERED FROM		
	(1) 7/8 SUCTION FILTER Pickup Cooler W.I. SHIP LOOSE INCLUDES:	34	15.00	28	EL	226	40.6Lx17.3Wx33H	26	96 AMBIENT	R448A	XFAM-022Z-TFC-081	17.6	DEFROS		NOT POWERED FROM 208-230V/3P/60Hz	14.3	
GLD66D-268TDAA	(1) 7/8 SUCTION FILTER Pickup Cooler W.I.		15.00	28	EL	226	40.6Lx17.3Wx33H	26	96 AMBIENT	R448A	XFAM-022Z-TFC-081	17.6	DEFROS	111 5, LIGHTS, C	208-230V/3P/60Hz	14.3	
GLD66D-268TDAA	(1) 7/8 SUCTION FILTER Pickup Cooler W.I. SHIP LOOSE INCLUDES: (1) E5 120V LLSV		15.00	28	EL	226	40.6Lx17.3Wx33H	26	96 AMBIENT	R448A	XFAM-022Z-TFC-081	17.6	DEFROS	111 5, LIGHTS, C	NOT POWERED FROM 208-230V/3P/60Hz	14.3	
GLD66D-268TDAA	(1) 7/8 SUCTION FILTER Pickup Cooler W.I. SHIP LOOSE INCLUDES: (1) E5 120V LLSV		15.00	28	EL	226	40.6Lx17.3Wx33H	 26 	96 AMBIENT	R448A	XFAM-022Z-TFC-081	17.6	DEFROS	111 5, LIGHTS, C	208-230V/3P/60Hz	14.3	
GLD66D-268TDAA	(1) 7/8 SUCTION FILTER Pickup Cooler W.I. SHIP LOOSE INCLUDES: (1) E5 120V LLSV (1) 7/8 SUCTION FILTER											CA	DEFROS	T HEATER 1 111 5, LIGHTS, C T HEATER 1	OT POWERED FROM 208-230V/3P/60Hz ONDENSATE PAN HT NOT POWERED FROM	14.3 R AND PU	
GLD66D-268TDAA	(1) 7/8 SUCTION FILTER Pickup Cooler W.I. SHIP LOOSE INCLUDES: (1) E5 120V LLSV (1) 7/8 SUCTION FILTER											CA	DEFROS	T HEATER 1 111 5, LIGHTS, C T HEATER 1	OT POWERED FROM 208-230V/3P/60Hz ONDENSATE PAN HT NOT POWERED FROM	14.3 R AND PU	
GLD66D-268TDAA	(1) 7/8 SUCTION FILTER Pickup Cooler W.I. SHIP LOOSE INCLUDES: (1) E5 120V LLSV (1) 7/8 SUCTION FILTER Pickup Freezer W.I.											CA:	DEFROS BE FANS DEFROS	T HEATER N 111 3, LIGHTS, C T HEATER N 111	OT POWERED FROM 208-230V/3P/60Hz ONDENSATE PAN HT NOT POWERED FROM	R AND PU THE UN 28.8	

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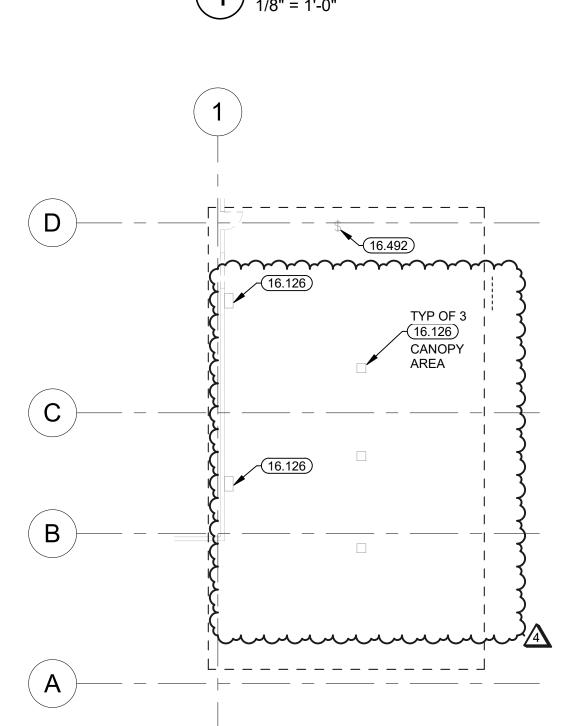




•	PLY ONLY WHEN USED ON DRAWINGS)	1. EXIT SIGN MOUNTING A. WALL FIXTURE: CENTER 12" ABOVE DOOR
SYMBOL	DESCRIPTION LIGHT FIXTURE	OPENING. B. CEILING FIXTURE: ON CEILING OR AT HEIGHT
0 -/ 0 -	(WALL MOUNTED/CEILING MOUNTED)	SPECIFIED ON DRAWINGS. C. PENDANT FIXTURE: MATCH HEIGHT OF EXISTING PENDANT MOUNTED EXIT SIGNS. IF STORE DOES
	LIGHT FIXTURE, NIGHT LIGHT	NOT HAVE PENDANT MOUNTED EXIT SIGNS, THEN PENDANT MOUNT SIGN 24" BELOW BOTTOM OF BAR JOIST.
•	VOLUMETRIC LIGHT FIXTURE	<ul> <li>D. VERIFY MOUNTING HEIGHT WITH AHJ.</li> <li>E. COORDINATE LOCATIONS OF EXIT SIGNS TO ENSURE STORE SIGNAGE DOES NOT OBSTRUCT</li> </ul>
	TRACK LIGHTING	THEIR VIEW. F. THE USE OF TRITIUM BASED RADIOACTIVE EXIT
⊦⊗ / ⊗	EXIT FIXTURE (WALL MOUNTED/CEILING MOUNTED)	2. EMERGENCY LIGHT FIXTURE INSTALLATION
₽? / ¤	EMERGENCY LIGHT (WALL MOUNTED/CEILING MOUNTED)	A. WALL FIXTURE: 12" BELOW FINISHED CEILING OR +10'-0" IN AREAS OF EXPOSED STRUCTURE, UNLESS NOTED OTHERWISE.
46 / 1891	EMERGENCY LIGHT REMOTE HEADS (WALL MOUNTED/CEILING MOUNTED)	<ul> <li>B. PENDANT FIXTURE: BOTTOM CHORD OF BAR JOIST OR AT HEIGHT SPECIFIED ON DRAWINGS.</li> <li>C. REMOTE HEAD FIXTURE: HEADS CENTERED</li> </ul>
\$ \$3	SINGLE POLE SWITCH 3-WAY SWITCH	ABOVE DOOR OPENING +9'-0", UNLESS NOTED OTHERWISE AND BATTERY PACK MOUNTED ON INTERIOR SIDE OF WALL 12" BELOW FINISHED
\$4	4-WAY SWITCH	CEILING OR AT BAR JOIST IN AREAS OF EXPOSED STRUCTURE.
\$K	KEYED SWITCH	D. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS. ALLOW BATTERY TO CHARGE CONTINUOUSLY FOR A MINIMUM OF 24 HOURS
\$D \$VS	DIMMER SWITCH VARIABLE SPEED SWITCH	BEFORE INITIAL TESTING. E. AFTER EMERGENCY LIGHT HAS BEEN POWERED DO NOT TURN OFF FOR EXTENDED PERIODS OF
\$M	MANUAL MOTOR SWITCH	TIME. 3. EXIT SIGNS, EMERGENCY LIGHTS AND NIGHT LIGHTS
\$os	SINGLE POLE OCCUPANCY SENSOR SWITCH DOUBLE POLE OCCUPANCY	SHALL NOT BE SWITCHED.
\$OS2	SENSOR SWITCH	4. IN AREAS OF OPEN STRUCTURE, MOUNT STRIP FIXTURE TO BOTTOM CHORD OF BAR JOIST, UNLESS NOTED OTHERWISE.
(((os)))) )	SENSOR SWITCH, FOUR-DIRECTION SENSING	5. PROVIDE SEPARATE BOXES FOR GANGED SWITCHES ON SEPARATE BRANCH CIRCUITS.
) OS	WALL MOUNTED OCCUPANCY SENSOR SWITCH, ONE-DIRECTION SENSING	6. FIXTURES DENOTED WITH "ABJ" ARE TO BE FASTENED ON UNISTRUT CHANNELS MOUNTED TO
Φ	RECEPTACLE, DUPLEX	THE BOTTOM SIDE OF THE TOP CHORD OF BAR JOISTS. LOCATE THE FIXTURES RUNNING PERPENDICULAR TO BAR JOISTS WITHIN BAR JOISTS
<u> </u>	RECEPTACLE, DUPLEX, MOUNTED HORIZONTALLY	WEBBING SPACES. DO NOT FASTEN FIXTURE OR UNISTRUT CHANNELS TO ROOF DECK.
	RECEPTACLE, GFI	OCCUPANCY SENSOR
	RECEPTACLE, DUPLEX FLUSH FLOOR RECEPTACLE, DUPLEX ISOLATED	NOTES
	GROUND FLUSH FLOOR RECEPTACLE, DOUBLE DUPLEX	1. OCCUPANCY SENSORS IN RESTROOMS SHALL BE PROGRAMMED FOR AUTOMATIC ON AND MAXIMUM
 ₿	RECEPTACLE, DUPLEX ISOLATED GROUND	AVAILABLE TIME DELAY SETTINGS. 2. OCCUPANCY SENSORS IN DELI, PRODUCE, AND
	RECEPTACLE, DOUBLE DUPLEX, ISOLATED GROUND	BAKERY PREP AREAS SHALL BE PROGRAMMED WITH MAXIMUM AVAILABLE TIME DELAY SETTINGS.
$\oplus$	RECEPTACLE, SIMPLEX TWIST LOCK, L5-15R, UNO	3. OCCUPANCY SENSORS IN WALK-IN COOLERS/FREEZERS SHALL BE LOW TEMPERATURE
•	RECEPTACLE, SIMPLEX TWIST LOCK, ISOLATED GROUND, L5-15R, UNO	RATED, WALL MOUNTED 6" ABOVE DOOR. ADJUST AIMING FOR MAXIMUM COVERAGE, 10 MINUTE TIME DELAY.
-	RECEPTACLE, DUPLEX TWIST LOCK, L5-15R, UNO	4. ALL OTHER OCCUPANCY SENSORS SHALL BE PROGRAMMED WITH THE MINIMUM AVAILABLE TIME
- <b>⊕</b>	RECEPTACLE, DUPLEX TWIST LOCK, ISOLATED GROUND, L5-15R, UNO	DELAY SETTING UNLESS NOTED OTHERWISE.
		PROGRAMMED FOR MANUAL ON LIGHTING CONTROL UNLESS NOTED OTHERWISE.
•	RECEPTACLE, SIMPLEX RECEPTACLE, PLUG-MOLD	6. ALL BI-LEVEL OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR AUTOMATIC ON LIGHTING
J	JUNCTION BOX	CONTROL FOR 50% OF FIXTURES AND WITH MANUAL ON MODE FOR REMAINING FIXTURES.
	(WALL MOUNTED/CEILING MOUNTED) THERMOSTAT (WALL MOUNTED/CEILING MOUNTED)	<ol> <li>WHERE TWO OCCUPANCY SENSORS ARE SHOWN IN THE SAME LOCATION WIRE FOR PARALLEL OPERATION.</li> </ol>
A	ALARM JUNCTION BOX, (WALL MOUNTED/CEILING MOUNTED)	
R	ALARM JUNCTION BOX, FOR REMOTE TEST/RESET	
S	(WALL MOUNTED/CEILING MOUNTED) SMOKE DETECTOR	
	NON-FUSED DISCONNECT	
Zh	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,	
<b></b>	E INDICATES EXISTING WIRING	
- H	CONDUIT SLEEVE	
-	FLUSH MOUNTED PANELBOARD	
-	SURFACE MOUNTED PANELBOARD	
▼	TELEPHONE / DATA BOX FOR ISD	
$\mathbf{V}$	LOW VOLTAGE CABLE BOX FOR OTHER	-
	TELEPHONE, FLUSH FLOOR	-
	MOTOR	
		-
<u>.</u> В	PUSH BUTTON BUZZER	
B	SAIL SWITCH	
	JUNCTION BOX HORN / STROBE	
	DOOR HOLD OPEN	
ТС	TIME CLOCK	
ABBREVIATIONS		-
SWITCHIN	ASE LETTERS INDICATE IG CONFIGURATION NISHED FLOOR	
	NISHED GRADE	
CF CEILING F CW CASH WR	AP	
F EXHAUST	TO REMAIN	
WC ELECTRIC GROUND	WATER COOLER CONTRACTOR	
FEP GROUND FI GROUND	FAULT EQUIPMENT PROTECTION FAULT CIRCUIT INTERRUPTER	
	GROUND CONTROL UNIT	(2)
L NIGHT LIG	HT	PANELBOARD
C REFRIGER	RATION CONTRACTOR HEATER	
R TAMPER F YP TYPICAL	RESISTANT	120/240V
		208Y/120V
H UNIT HEA NO UNLESS N /H WATER HI	IOTED OTHERWISE	480Y/277V

"OW" FIXTURES	S AND LAMPS AF	RE FURNISHED
1	OW	8' STRIP (WIRE
		$\sim$
	- Office	EXITSION (SIN
18	OW	EMERGENCY
27	OW	EMERGENCY
50	OW	4' SEALED STR
LIGHT FIXTUR	<u>E NOTES (APPL</u> RT ALL RECESS	IES TO ALL LIG
ABOVE,	, WITH A MINIMU	JM OF TWO 12-
ACTING	TURE TO SEAT	IN THE GRID G
		1
	D	
	<b>C</b>	
	B	

A

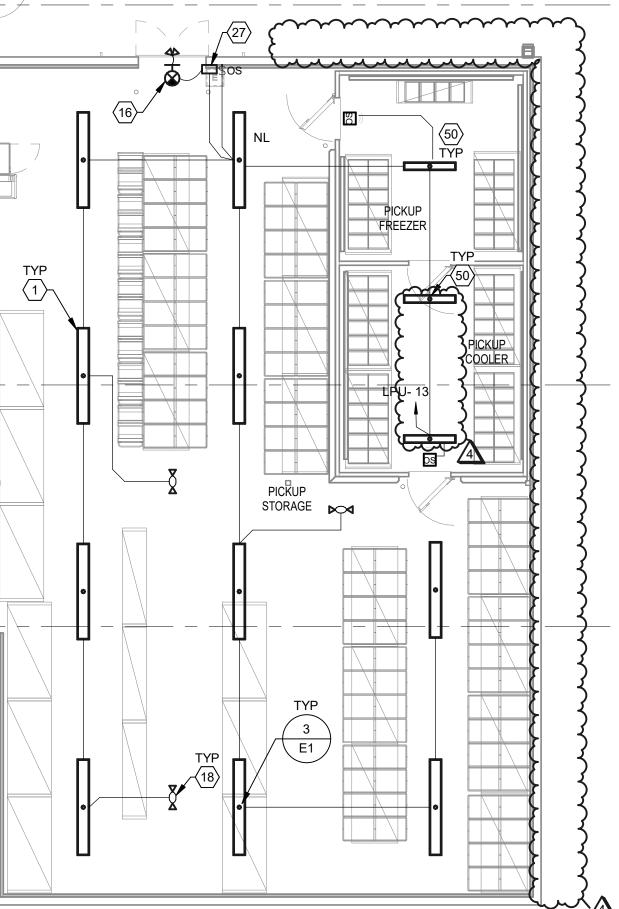


PICKUP STORAGE LIGHTING DEMO PLAN 1/16" = 1'-0"

	LIG	HT FIXTURE SCHEDULE					
ED BY THE OWNER FOR INS	TALLATION BY THE CONTRACTOR. "GC	" FIXTURES AND LAMPS ARE FURNISHED AND INSTA	LLED BY THE CO	NTRACTOF	۲.		
DESCRIPTION	VENDOR / MANUFACTURER	MODEL	VOLTAGE	INPUT VA	COLOR TEMP	LIGHT SOURCE	LAMP QTY
IRELESS DIM)		CLX L96 10000LM HEF RDL MVOLT EOHN 40K 80CRI	120/277		4000K		-
SINGLE FACE)	ACUITY BRANDS LIGHTING INC	RED: LOM SW +R +20/277 EL N SD90 M6 GREEN: LOM S W 1 G 120/277 EL N SD90 M6	120/277	4 VAN	<u>un</u>	HITEGRALLED	سيب
CY LIGHT	REXEL USA INC	EVHC6IDP-WM	120/277	3 VA	-	INTEGRAL LED	-
Y LIGHT - REMOTE HEADS	REXEL USA INC	EVHC6IDP-0-WM W/ EVODW	120/277	3 VA	-	INTEGRAL LED	-
STRIP	LSI INDUSTRIES INC	W/M EG3 4 LED 6L DA S UNV DIM 40 980 SL	120/277	50 VA	4000K	INTEGRAL LED	-
			•				

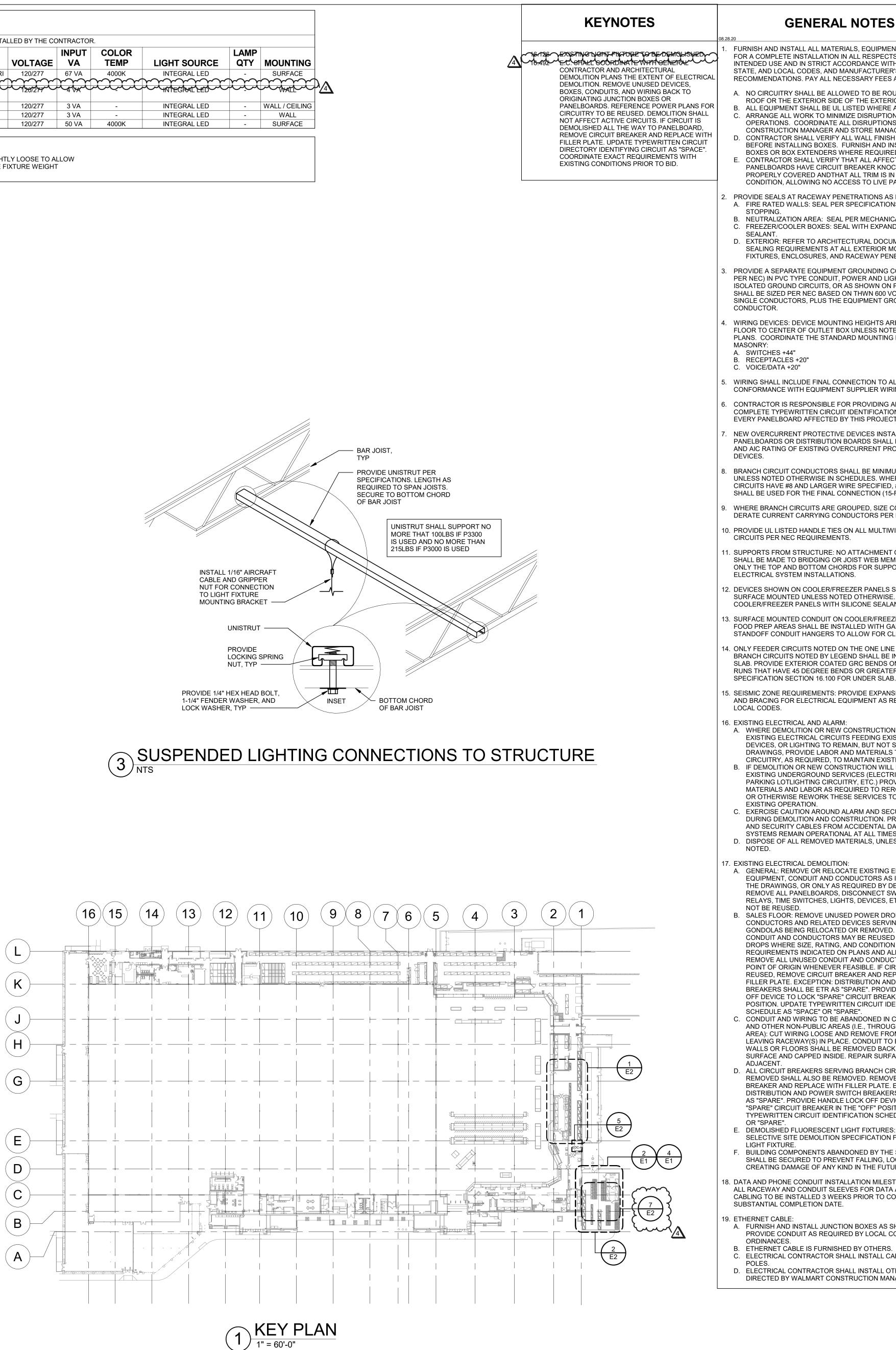
<u>3HT FIXTURES):</u> I LIGHT FIXTURES DIRECTLY FROM THE FIXTURE HOUSING TO THE STRUCTURE -GAUGE STEEL WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW GRID SYSTEM. ATTACH LIGHT FIXTURES TO THE SUSPENDED CEILING SYSTEM TO RESIST 100 PERCENT OF THE FIXTURE WEIGHT TE IN ACCORDANCE WITH APPLICIABLE BUILDING CODE REQUIREMENTS.

CONTRACTOR IS RESPONSIBLE FOR 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 WITH EVEN SPACING MAINTAINED.



# (4) PICKUP STORAGE LIGHTING PLAN

\_\_\_\_\_



WORKERS WITH THIS KNOWLEDGE.

WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EQUIPMENT, AND LABOR, RESPECTS, READY FOR ANCE WITH NEC, NESC, ACTURER'S ARY FEES AND PERMITS. TO BE ROUTED ACROSS THE HE EXTERIOR WALLS.			
D WHERE APPLICABLE. ISRUPTIONS TO STORE SRUPTIONS WITH WALMART DRE MANAGER. ALL FINISH THICKNESS SH AND INSTALL EXTENDED E REQUIRED. ALL AFFECTED KER KNOCKOUTS		[ 6	70( DU 614
TRIM IS IN GOOD TO LIVE PARTS. TIONS AS FOLLOWS: CIFICATIONS FOR FIRE		EUSE	
MECHANICAL DETAIL. TH EXPANDING FOAM RAL DOCUMENTS FOR TERIOR MOUNTED DEVICES, EWAY PENETRATIONS. DUNDING CONDUCTOR (SIZE R AND LIGHTING CIRCUITS,		STIPULATION FOR REUS	
OWN ON PLANS. CONDUIT WN 600 VOLT COPPER MENT GROUNDING			
LESS NOTED OTHERWISE ON IOUNTING HEIGHTS WITH		ULTANTS	
TION TO ALL EQUIPMENT IN PLIER WIRING DIAGRAMS. OVIDING AN UPDATED AND ITIFICATION SCHEDULE FOR S PROJECT. CES INSTALLED IN EXISTING DS SHALL MATCH THE TYPE		CONS	
BE MINIMUM #12 AWG ILES. WHERE 20A BRANCH PECIFIED, #10 AWG WIRE CTION (15-FT MAXIMUM).			
ED, SIZE CONDUIT AND FORS PER NEC. L MULTIWIRE BRANCH			
ACHMENT OF ANY TYPE WEB MEMBERS. UTILIZE OR SUPPORTING THE PANELS SHALL BE			
HERWISE. SEAL DEVICES TO NE SEALANT. .ER/FREEZER PANELS OR IN D WITH GALVANIZED 1/2" W FOR CLEANING.		נ	
E ONE LINE DIAGRAM AND SHALL BE INSTALLED UNDER S BENDS ON ALL CONDUIT R GREATER. REFER TO DER SLAB.		4	A
E EXPANSION COUPLINGS IENT AS REQUIRED BY TRUCTION INTERRUPTS	-		
EDING EXISTING EQUIPMENT, BUT NOT SHOWN ON ATERIALS TO REWORK FAIN EXISTING OPERATION. TION WILL DISRUPT S (ELECTRICAL, TELEPHONE, ETC.) PROVIDE ALL ED TO REROUTE, SLEEVE, RVICES TO MAINTAIN THEIR			
AND SECURITY CABLES ICTION. PROTECT ALARM DENTAL DAMAGE SO THAT ALL TIMES. ALS, UNLESS OTHERWISE		CHE	C
EXISTING ELECTRICAL CTORS AS INDICATED ON RED BY DEMOLITION. NNECT SWITCHES, BOXES, EVICES, ETC., WHICH WILL OWER DROP CONDUIT, ES SERVING SALES AREA	-	DRA PRC DOC	т
REMOVED. EXISTING E REUSED FOR NEW POWER CONDITION MEET NS AND ALL U.L. RATINGS. D CONDUCTORS BACK TO BLE. IF CIRCUIT IS NOT R AND REPLACE WITH JTION AND POWER SWITCH E". PROVIDE HANDLE LOCK UIT BREAKER IN THE "OFF"		Sec.	C P
IRCUIT IDENTIFICATION ONED IN CEILING SPACES ., THROUGH STOCKROOM MOVE FROM RACEWAY(S), NDUIT TO BE ABANDONED IN IVED BACK TO FINISHED AIR SURFACE(S) TO MATCH RANCH CIRCUITS TO BE	l		
D. REMOVE CIRCUIT R PLATE. EXCEPTION: BREAKERS SHALL BE ETR OFF DEVICE TO LOCK OFF" POSITION. UPDATE ION SCHEDULE AS "SPACE" FIXTURES: REFER TO FICATION FOR DISPOSAL OF	D	RC	
ED BY THE SCOPE OF WORK ALLING, LOOSENING, OR THE FUTURE.	Γ		
ON MILESTONE DATE: FOR DATA AND PHONE IOR TO CONTRACT DXES AS SHOWN ON PLANS.		DOC HAVI ENG AND	E 1 IN
/ LOCAL CODES AND/OR OTHERS. NSTALL CABLE IN POWER		CON	SI
NSTALL OTHER CABLE AS TION MANAGER.		velofe Buj Engii	ild



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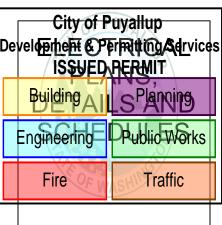


	ISSUE BLOCK					
4	ADD#6	07/07/22				
СН	ECKED BY:	SG				
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PR	OTO CYCLE:	07/30/21				
DO	CUMENT DATE	: 09/08/21				



CA20231436

JMENTS THAT DO NOT THE ARCHITECT OR NEER OF RECORD SEAL SIGNATURE SHALL BE IDERED NOT FOR TRUCTION



E1

SHEET:

LIGHTING COM	PLIANCE	E SUN	MARY										
2018 WSEC Compliance Form	s for Commercial	Building	gs including Group	R2, R3 & R4	over 3 stori	ies and all R1					Administered by	y: ©2022 N	EEA, All righ
		Projec	et Title	WA		_2403-278_WA_Puy		Fo	or Building Depa	rtment Use	:	Date:	Mar 1
Project & Applicant		Projec	et Address			ENUE SE, PUYALL 310							
Project & Applicant Information		Applie	cant Name			PUYALLUP, WA 9 Sweta Kumari	8374						
			cant Phone			820-045-9794							
			cant Email			eta.kumari@wdparti							
	Fc	or questio	ons about this report	, contact WSE	EC Comme	rcial Technical Supp	ort at 360-539-5300	or via email a	at com.techsuppo	ort@waenei	rgycodes.com		
General Occupancy			All Commerc	ial	General	Building Use Type		Retail,	General Sales	Building	g Cond. Floor Area		202,630
General Project Types		Build	ing Addition Add	Building or ition iting Scope	I	nterior Lighting	Alteration Lighting Scope		Garage Lighting rior Lighting	Floors A	Cond. Floor Area bove Grade nce Method	Complia	5,498 1 nce Method 1
Lighting Project Description										compna	ince meenou	Compilar	ice Method 1
		1	Intonio	or / Exterior						Т	PA Calculation		
Lighting Compliance Scope and Method			(Interior includes	both interior &	parking)	Luminaire Rep	lacement Scope	Complianc			Adjustment		ompliance Ver
Additional Efficiency	Building Ad	dition	Interi	or Lighting				Space by	y space	No Calcula	tion Adjustments select	ed	COMPLI
Options Included													
Project Title WA	ALGP0402_24	03-278	_WA_Puyallup	- 2018 WS	EC						Da	ate Ma	r 16, 2022
Lighting Power Calculat	ion	BUIL	DING ADDIT	ION - INTH	ERIOR I	LIGHTING					Compliance Verifi	cation CO	OMPLIES
Compliance Method			Space	by space			LPA Calculation	Adjustment	·				none
					Interior	r Lighting Power Al	lowance - Space by	Space					
General Space Type	Specific Spa		Ceiling Height (Ft	;) Gr	oss Interio	or Area (SF)	LPA (Watts/SF)	Tota	al Watts Allowe SF x LPA x 1)	d	Total Proposed Watt (LPD + Display LPD		Compliance S
Storage room Storage room	Gener				23		0.38		90 977	_			
Storage room	Gener				26		0.38		101				
		T	- 4 - 1 - [				Proposed Total L	/PD	1.170		820		COMPLI
		10	otals						1,169		820		COMPLI
			ļ			Proposed Lightin	g Power Density						T-4 137
Fixture Type	Fix	ture ID		uantity of xtures (#F)		Watts or Wattage Limi per Fixture (WpF)	t	Total Linear Feet (LF)			s per Linear t (WpLF)		Total Watts Proposed (#F x WpF) or (LF x WpLF)
Linear Fixtures	) strip T	uma 50		2		<u></u>							150
		ype 50 Type 1		3 10		50 67							150 670
	<u>+</u> ]	- 1	I		I		I		I		Proposed Total LPD		820
Project Title WA	ALGP0402_24	03-278	_WA_Puyallup	- 2018 WS	EC						Da	ate Ma	ar 16, 2022
Proposed Fixtures Detail	s	BUII	LDING ADDIT	ION - INTI	ERIOR I	LIGHTING							
Fixture Type/Application	Fixt	ure ID			Location i	in Documents		La	тр Туре		Exi	New or isting-to-Re	
Linear Fixtures									1.55				
LED strip		pe 50 xture qua	antity defined?: Our	untity of fixtur	es with cur	E1 rrent limiting device			LED	Lens	th of track (LT):	New	
	Fixture Descrip	tion: 4FT	SEALED STRIP			_					these fixtures located w	rithin a dayli	ight zone?: N
			e specific application	n lighting cont	trols?: Pern	nanent lighting in dw E1	elling units, occupa						
		100 I				L I	1		LED	1		New	
LED strip		/pe 1 xture aua	antity defined?: Ous	untity of fixtur	es with cur	rrent limiting device				Lend	gth of track (LT):		

Γhe following i Nashington St	nformation is necessa tate Energy Code, Co	ary to check a permit app mmercial Provisions.	ng Group R2, R3 & R4 over 3 stories & all R1 lication for compliance with the lighting systems, r Technical Support at 360-539-5300 or via email at	motors and electrica	al system requirements in the
31ST AVI 310	402_2403-278_WA ENUE SE, PUYALI JP, WA 98374	A_Puyallup - 2018 WS ∟UP, WA 98374	EC		Date: 2022-03-16
Applies	Code Section	Component	Compliance Information Required In Permit Documentation	Location in Documents	Building Department Notes
LIGHTING	SCOPE				
	C103.1	Construction documents - General	For a shell & core or tenant space (first build- out) project, indicate if there is no lighting scope included in the project.		
	C103.1	Construction documents - General	For an alteration project, indicate if there is no lighting scope included in the project.		
LIGHTING	CONTROLS				
YES	C405.2	Lighting controls, general	For all lighting fixtures, indicate lighting control method on plans for spaces and lighting zone(s) served, or exception taken	E1, E1.2	
	C405.2, Option 2	Luminaire level lighting controls (LLLC)	Indicate on plans all fixtures provided with LLLC in lieu of C405.2 lighting controls; provide description of control capabilities and performance parameters		
	C405.2.5, Item 3 C405.2.1.1 C405.2.3.1	Lighting in dwelling units (dormitory, hotel and all other than multifamily)	Indicate method of automatic control of all installed luminaires in dwelling units in buildings other than multifamily (occupancy or light reduction controls)		
	C405.2.5, Item 2	Lighting in sleeping units	Indicate method of automatic off control of all installed luminaires in sleeping units (vacancy or key card control); also refer to Receptacles		
NO	C405.2.3 C405.2.3.1 C405.2.5	Manual controls	Indicate on plans the method of manual lighting control, location of manual control device and the area or specific application it serves		
NO	C405.2.3.1 C405.2.1.1 C405.2.4	Manual interior light reduction controls	Indicate on plans which method of manual 50% lighting load reduction is provided, or indicate applicable exception		
YES	C405.2.1 C405.2.2.1 C405.2.1, Exception 3	Method of automatic shut-off control	Indicate on plans the method of automatic shut-off control during unoccupied periods (occupancy sensor, time switch or digital timer switch) for all lighting zones	E1, E1.2	
YES	C405.2.1	Occupant sensor controls	Indicate on plans all luminaires that are controlled by occupant sensor controls; indicate controls are configured to turn luminaires 100% off when the space is unoccupied	E1	
NO	C405.2.1 C405.2.1.1	Occupant sensor controls	Indicate if occupant sensor controls are configured to be manual on or automatic on to not more than 50% power; indicate spaces eligible for exception that allows automatic on to 100% power		

Page 1/10

The following Nashington S	018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 Administered by ©2022 NEEA, All rights reserve he following information is necessary to check a permit application for compliance with the lighting systems, motors and electrical system requirements in the /ashington State Energy Code, Commercial Provisions. or questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com						
NA	C405.2.1.2	Occupant sensor controls - warehouses spaces	Indicate each aisleway and corridor within a warehouse space are designated as separate zones that are independently controlled				
NA			Indicate occupant sensors are configured to automatically reduce lighting power by 50% when the zone is unoccupied and 100% off after the zone is unoccupied for over 20 minutes; indicate controls are configured to automatically restore lighting to full power when the zone or space is occupied				
NA	C405.2.1.3	Occupant sensor controls - open plan office areas	For open plan office areas larger than 300 sf, indicate general lighting is provided with vacancy controls that reduce lighting power by not less than 80% and are configured to turn luminaires 100% off when the space is unoccupied; indicate that no individual control zone area exceeds 600 sf				
	C405.2.1.4	Occupant sensor controls - parking garages	Indicate parking garage general lighting is provided with vacancy controls that reduce lighting power by not less than 30% and are configured to turn luminaires 100% off when no vehicles or pedestrians are present, unless eligible for an exception; indicate that no individual control zone area exceeds 3,600 sf				
NA	C405.2.1.5	Occupant sensor controls - enclosed fire-rated stairwells	Indicate stairway lighting is provided with vacancy controls that reduce lighting power by not less than 50% when the stairway in unoccupied				
NA	C405.2.2.1	Automatic time switch controls	Indicate spaces on plans where time switch controls turn luminaires 100% off during unoccupied hours				
NA			Indicate spaces on plans where time switch controls are configured to turn on lighting to full power versus 50% power				
NA			Indicate locations of override switches on plans and the lighting zone(s) served; indicate that the area(s) served by each override switch does not exceeds 5,000 sf				
NA	C405.2.1, Exception 3	Digital timer switch	Indicate digital timer switch control includes: manual on/off, time delay, audible and visual indication of impending time-out				
NA	C405.2.4.2 C405.2.4.3	Daylight zones - Sidelit and toplit	Indicate primary and secondary sidelit daylight zone floor areas on plans				
NA			Indicate toplit daylight zone floor areas on plans				
NA			For small vertical fenestration assemblies (rough opening less than 10 percent of primary daylight zone floor area) where daylight responsive controls are not required, provide fenestration area to daylight zone floor area calculation(s)				

		nd Electrical	
The following	information is necess	nmercial Buildings includ ary to check a permit ap	
	State Energy Code, Co s about this report, con	ommercial Provisions. Itact WSEC Commercial	Technical Support
NA	C405.2.4	Daylight responsive controls	Indicate on plans daylight responsi area served by ea exceeds 2,500 sf
NA			Identify sidelit ar are not provided controls and the
NA	C405.2.4.1.1	Daylight responsive controls	Indicate on plans method (continue dimming that pro between 0%-100
NA	C405.2.4.1	Daylight responsive controls	Indicate that dayl configured to con controlled lights
NA	C405.2.5	Additional controls - Specific application lighting controls	Identify spaces at that require speci controls per this
NA	C405.2.5, Item 1	Display and accent lighting	Indicate on plans provided that cor and display case both general area applications with
NA			Indicate manual a sensor or time sw methods
	C405.2.5, Item 3	Hotel/motel guest rooms	Indicate method vacancy or captiv luminaires and sy room
NA	C405.2.5, Item 1	Supplemental task lighting	Indicate method automatic shut-o time switch) for including under-s lighting
NA	C405.2.5, Item 1	Lighting equipment for sale or demonstration	Indicate on plans sale or demonstra independently fre and other lighting same space
NA			Indicate manual a sensor or time sw methods
NA	C405.2.5, Item 4	Lighting for non- visual applications	Identify all eligib applications on p served by each co exceeds 4,000 sf
NA			Indicate on plans controlled indepe area lighting and within the same s

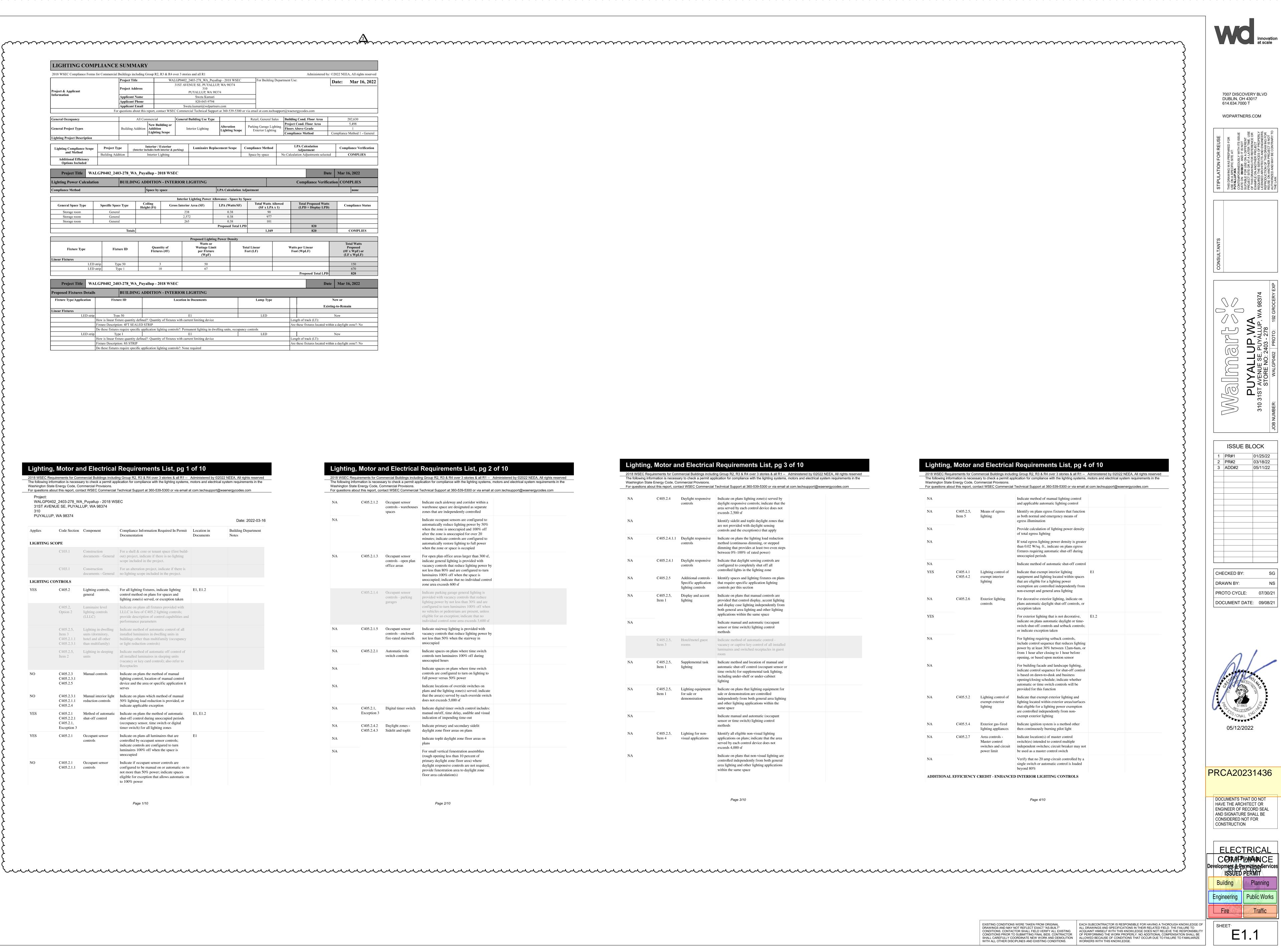
Page 2/10

Page 3/10

R2, R3 & R4 over 3 stories & all R1 Administered by ©2022 NEEA, All rights reserv or compliance with the lighting systems, motors and electrical system requirements in th	
	ed
או סאווידאראס אונד גוס ווקרונוק סיסנפווס, ווטנטיס מות פופטנווטמו סיסנפווו ופינעוופווופוונס ווו נו	
Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com	
e on plans lighting zone(s) served by t responsive controls; indicate that the eved by each control device does not s 2,500 sf	
y sidelit and toplit daylight zones that provided with daylight sensing s and the exception(s) that apply	
e on plans the lighting load reduction (continuous dimming, or stepped ug that provides at least two even steps n 0%-100% of rated power)	
e that daylight sensing controls are red to completely shut off all led lights in the lighting zone	
y spaces and lighting fixtures on plans uire specific application lighting s per this section	
e on plans that manual controls are d that control display, accent lighting play case lighting independently from neral area lighting and other lighting tions within the same space	
e manual and automatic (occupant or time switch) lighting control s	
e method of automatic control - y or captive key control of all installed res and switched receptacles in guest	
e method and location of manual and tic shut-off control (occupant sensor or ritch) for supplemental task lighting, ng under-shelf or under-cabinet	
e on plans that lighting equipment for demonstration are controlled idently from both general area lighting er lighting applications within the bace	
e manual and automatic (occupant or time switch) lighting control s	
y all eligible non-visual lighting tions on plans; indicate that the area by each control device does not \$ 4,000 sf	
e on plans that non-visual lighting are led independently from both general hting and other lighting applications the same space	

The following in	formation is neces	sary to check a permit ap	ing Group R2, R3 & R4 over 3 stories & all R1 plication for compliance with the lighting systems,	
		Commercial Provisions. Intact WSEC Commercial	Technical Support at 360-539-5300 or via email a	t com.techsupport@waenergyc
NA			Indicate method of manual lighting control and applicable automatic lighting control	
NA	C405.2.5, Item 5	Means of egress lighting	Identify on plans egress fixtures that function as both normal and emergency means of egress illumination	
NA			Provide calculation of lighting power density of total egress lighting	
NA			If total egress lighting power density is greater than 0.02 W/sq. ft., indicate on plans egress fixtures requiring automatic shut-off during unoccupied periods	
NA			Indicate method of automatic shut-off control	
YES	C405.4.1 C405.4.2	Lighting control of exempt interior lighting	Indicate that exempt interior lighting equipment and lighting located within spaces that are eligible for a lighting power exemption are controlled independently from non-exempt and general area lighting	E1
NA	C405.2.6	Exterior lighting controls	For decorative exterior lighting, indicate on plans automatic daylight shut-off controls, or exception taken	
YES			For exterior lighting that is not decorative, indicate on plans automatic daylight or time- switch shut-off controls and setback controls; or indicate exception taken	E1.2
NA			For lighting requiring setback controls, include control sequence that reduces lighting power by at least 30% between 12am-6am, or from 1 hour after closing to 1 hour before opening, or based upon motion sensor	
NA			For building facade and landscape lighting, indicate control sequence for shut-off control is based on dawn-to-dusk and business opening/closing schedule; indicate whether automatic or time switch controls will be provided for this function	
NA	C405.5.2	Lighting control of exempt exterior lighting	Indicate that exempt exterior lighting and lighting located within exterior areas/surfaces that eligible for a lighting power exemption are controlled independently from non- exempt exterior lighting	
NA	C405.5.4	Exterior gas-fired lighting appliances	Indicate ignition system is a method other then continuously burning pilot light	
NA	C405.2.7	Area controls - Master control switches and circuit power limit	Indicate location(s) of master control switch(es) intended to control multiple independent switches; circuit breaker may not be used as a master control switch	
NA			Verify that no 20 amp circuit controlled by a single switch or automatic control is loaded beyond 80%	

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# Lighting, Motor and Electrical Requirements List, pg 5 of 10 2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2022 NEEA, All rights reserved The following information is necessary to check a permit application for compliance with the lighting systems, motors and electrical system requirements in the

Washington State Energy Code, Commercial Provisions.

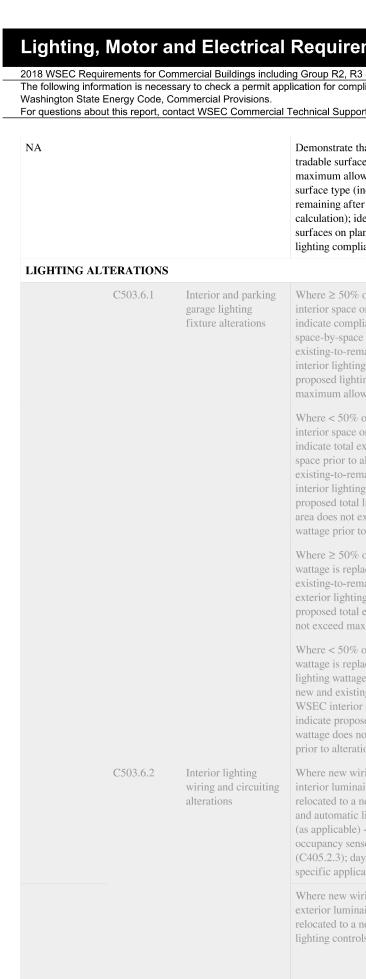
	C406.4	Enhanced digital lighting controls	To comply with additional efficiency credit, indicate on plans that interior lighting fixtures are configured with all of the following control functions, as applicable: 1) Each fixture is individually addressed, or exception taken; 2) Fixtures are configured for continuous dimming; 3) No more than eight fixtures are controlled by a single daylight sensor; 4) In enclosed and open office areas, illumination levels of overhead general area lighting is configured to be individually adjusted by occupants	
			Include calculations that demonstrate the total lighting power of all interior lighting fixtures configured with enhanced lighting controls is no less than 90% of the total interior lighting power for the area the enhanced lighting controls credit is being applied to	
INTERIOR I	LIGHTING POW	ER & EFFICACY		
YES	C405.4.1 C405.4.2	Total connected interior lighting power	Include all luminaires in interior lighting fixture schedule; indicate fixture types, lamps, ballasts, and manufacturer's watts per fixture for the installed lamp	E1.1
NA			Identify spaces eligible for lighting power exemption on plans and in WSEC interior lighting compliance reports; indicate the exception applied	
YES			Identify lighting equipment eligible for lighting power exemption in fixture schedule and in WSEC interior lighting compliance reports; indicate the exception applied	E1.1
	C405.1 C405.1.1	Lighting in dwelling units (multifamily)	For all installed luminaires, include lamp type and number of lamps in lighting fixture schedule; for lamps that are not LED, T-8 or small diameter fluorescent, indicate efficacy of other lamp types is 65 lumens per watt or greater	
			For all installed luminaires, indicate in lighting fixture schedule whether complying via lighting power density or by qualifying lamp type; if by lamp type, include number of lamps	
			For all installed luminaires, indicate in lighting fixture schedule whether complying via lighting power density or by qualifying lamp type; if by lamp type, include number of lamps	
INTERIOR I	LIGHTING POW	ER CALCULATION -	INDICATE COMPLIANCE PATH TAKEN	
NA	C405.4.2.1	Building Area Method	Demonstrate that total proposed wattage per building area does not exceed maximum allowed wattage per building area; identify locations of building areas on plans; provide WSEC exterior lighting compliance reports	

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he following	information is neces		ling Group R2, R3 & R4 over 3 stories & all R1 plication for compliance with the lighting systems,		
or questions	s about this report, co	ntact WSEC Commercial	Technical Support at 360-539-5300 or via email a	t com.techsupport@waenerg	gycodes.com
YES	C405.6	Electrical transformers	Include electrical transformer schedule on electrical plans; indicate transformer type, size, efficiency, or exception taken	E3, Specification 16402	
YES	C405.11	Feeders and branch circuits	Provide documentation that demonstrates maximum voltage drop across feeders and branch circuits does not exceed 5%	E3	
	C405.7	Dwelling unit electrical energy consumption	Indicate on electrical plans that each dwelling unit in Group R-2 has a separate electrical energy meter		
	C405.8	Electric motor efficiency	Include all motors, including fractional hp motors, in electric motor schedule on electrical plans; indicate motor type, horsepower, rpm, rated efficiency, or exception applied		
	C405.9.1	Elevator cabs	For luminaires in each elevator cab, provide calculations that demonstrate average efficacy is not less than 35 lumens per watt		
			For elevators that do not have an integral air conditioning system, indicate rated watts per cfm for elevator cab ventilation fans do not exceed 0.33 watts per cfm		
			Indicate automatic controls that de-energize lighting and ventilation fans when elevator is stopped and unoccupied for a period of 15 minutes or more		
	C405.9.2	Escalators and moving walks	Indicate escalators comply with ASME A17.1/CSA B44; automatic controls are configured to reduce operational speed to the minimum permitted when not in use		
	C405.9.3	Regenerative drive	Indicate all one-way down or reversible escalators are provided with a variable frequency regenerative drive		
DOCUME	NTATION AND SY	STEM REQUIREMEN	NTS TO SUPPORT COMMISSIONING (CX)		
NA	C408.4	Scope of electrical power and lighting systems commissioning	Indicate that all electrical systems (receptacles, transformers, motors, vertical and horizontal transportation) for which the WSEC requires control functions and / or configuration to perform specific functions are required to be commissioned		
NA			Where total building lighting load is > 20 kW, or where total lighting load of luminaires requiring daylight sensing and / or occupancy control > 10 kW, indicate that all automatic lighting control systems are required to be commissioned; or provide building lighting power calculation demonstrating eligibility for exception		
NA	C405.13 C408.1.1 C408.1.2 C408.1.4.2 C103.6.3	Commissioning requirements in construction documents	Indicate Cx requirements in plans and specifications for all applicable electrical and lighting control systems per C408		

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The following Washington S	information is necess State Energy Code, C	ary to check a permit app ommercial Provisions.	ng Group R2, R3 & R4 over 3 stories & all R1 lication for compliance with the lighting systems, Technical Support at 360-539-5300 or via email a	motors and electrical system requirements in the
YES	C405.4.2.2	Space-By-Space Method	Demonstrate that total proposed wattage does not exceed maximum allowed wattage; identify locations of space types on plans, including retail display areas and areas with display, highlight and decorative lighting; provide WSEC exterior lighting compliance reports	E1.1
ADDITION	NAL EFFICIENCY	CREDITS - REDUCED	INTERIOR LIGHTING POWER DENSITY	7
NA	C406.3.1 C406.3.2	Reduced interior lighting power density	To comply with additional efficiency credit, demonstrate that total connected interior lighting wattage is 10% or 20% less than the total maximum allowed lighting wattage for the area the reduced lighting power credit is being applied to; indicate whether lighting power allowance is based on the building area method or space-by-space method; provide WSEC exterior lighting compliance reports	
	C406.3	Reduced interior lighting power density - dwelling unit lamp efficacy	For project with dwelling units, to comply with additional efficiency credit indicate in lighting fixture schedule that lamps within installed interior luminaires have an efficacy rating of at least 65 lumens per watt; include number of lamps and provide calculations that demonstrate at least 95% of lamps have this efficacy rating	
EXTERIO	R LIGHTING POW	ER & EFFICACY		
YES	C405.5.2	Total connected exterior lighting power	Include all luminaires in exterior lighting fixture schedule; indicate fixture types, lamps, ballasts, and manufacturer's watts per fixture for the installed lamp	E1.1
NA			Identify exterior applications eligible for lighting power exemption on plans and in WSEC exterior lighting compliance reports; indicate exception applied	
YES	C405.5.3(1)	Exterior lighting zone	Indicate building exterior lighting zone as specified by the AHJ	E1.1
NA	C405.5.1	Exterior building grounds lighting	For building grounds fixtures rated at greater than 50 watts, indicate rated lamp efficacy (in lumens per watt) in fixture schedule	
EXTERIO	R LIGHTING POW	ER CALCULATION		
NA	C405.5.3	Tradable allowances	Demonstrate that total proposed tradable surface wattage does not exceed maximum allowed tradable surface wattage (including base site allowance); identify locations of tradable surfaces on plans; provide WSEC exterior lighting compliance reports	



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			ing Group R2, R3 & R4 over 3 stories & all R1	
			plication for compliance with the lighting systems,	motors and electrical system requirements in the
0		Commercial Provisions.	Technical Support at 360-539-5300 or via email a	at com techsupport@waenergycodes.com
<u>quotatin</u>				
NA	C408.1.2	Commissioning	Include general summary of Cx plan per	
1 17 1	C408.1.2.1	requirements in	C408.1.2 including: 1) Narrative description	
	C408.1.4	construction	of activities; 2) Responsibilities of the Cx	
	C103.6.3	documents	team; 3) Schedule of activities including	
			verification of project close out	
			documentation per C103.6; 4) Conflict of	
			interest plan (if required)	
NA	C408.1.2	Commissioning	Include in general summary that a Cx project	
	C408.1.4	requirements in	report and Compliance Checklist (Figure	
	C103.6.3	construction	C408.1.4.1) shall be completed by the	
		documents	Certified Cx Professional and provided to the	
			owner prior to the final electrical inspection	
NA	C408.4.1	Functional	Identify in plans and specifications the	
		performance testing	intended operation of all equipment and	
		criteria	controls during all modes of operation,	
			including interfacing between new and	
			existing-to-remain systems	
PROJECT	CLOSE OUT DOC	CUMENTATION		
NA	C103.6.3	Project close out	Indicate in plans that project close out	
		documentation	documentation is required including WSEC	
		requirements	lighting compliance reports that document all	
			interior and exterior lighting area and / or	
			surface types, lighting power allowances and	
			installed densities	

Page 10/10

ements List, pg 7		
R3 & R4 over 3 stories & all R1 mpliance with the lighting systems, i		
port at 360-539-5300 or via email a	t com.techsupport@wae	nergycodes.com
e that proposed wattage per non- ace type does not exceed lowed wattage per non-tradable (including base site allowance fter tradable allowance identify locations of non-tradable plans; provide WSEC exterior pliance reports		
% of existing luminaires in an e or parking garage are replaced; apliance path (building area or ace method); include all new and emain luminaires in WSEC ting compliance reports; indicate hting wattage does not exceed lowed per compliance path		
% of existing luminaires in an e or parking garage are replaced; l existing lighting wattage in each o alteration; include all new and emain luminaires in WSEC ing compliance reports; indicate al lighting wattage in alteration t exceed total existing lighting r to alteration		
% of existing exterior lighting placed; include all new and emain luminaires in WSEC ting compliance reports; indicate al exterior lighting wattage does naximum allowed		
% of existing exterior lighting placed; indicate total existing age prior to alteration; include all sting-to-remain luminaires in ior exterior compliance reports; posed total exterior lighting s not exceed total existing wattage ration		
wiring is installed to serve new inaires and /or luminaires are a new circuit; indicate manual ic lighting controls are provided le) - manual (C405.2.3); ensor (C405.2.1); light reduction daylight responsive (C405.2.4); lication (C405.2.5)		
wiring is installed to serve new inaires and /or luminaires are a new circuit; indicate automatic rols are provided (C405.2.6)		

The following ir Nashington Sta	nformation is neces ate Energy Code, C	sary to check a permit app Commercial Provisions.	ng Group R2, R3 & R4 over 3 stories & all R1 // lication for compliance with the lighting systems, r Technical Support at 360-539-5300 or via email at	notors and electrical system requirements in the
-or questions a	about this report, co	intact WSEC Commercial	rechnical Support at 360-539-5300 or via email at	com.tecnsupport@waenergycodes.com
	C503.6.3	Lighting panel alterations	Where a new interior and/or exterior lighting panel is installed or an existing panel is moved (all new raceway and conductor wiring), indicate all applicable lighting controls requirements apply	
	C503.6.4	Newly-created rooms	Where interior space(s) is reconfigured (permanently installed walls or ceiling-height partitions) to create new enclosed spaces, indicate all applicable lighting controls requirements apply	
	C504.2	Lighting repairs	Identify existing luminaires being upgraded with bulb and / or ballast replacement; indicate fixture alteration does not increase existing fixture wattage	
	C505.1	Change of interior space use	Identify spaces on plans where the building area type or space use type is being changed from one type to another per Tables C405.4.2(1) or (2)	
			Indicate compliance method (building area or space-by-space); include all new and existing- to-remain luminaires in WSEC interior lighting compliance reports; indicate proposed lighting wattage does not exceed maximum allowed per compliance path	
RECEPTAC	LES			
NA	C405.10	Controlled receptacles	Identify all controlled and uncontrolled receptacles on electrical plans in each space in which they are required; include receptacle configuration such as spacing between controlled and uncontrolled, duplex devices, etc	
NA			Provide schedule that lists the number of controlled and uncontrolled receptacles in each space where controlled receptacles are required - classrooms, private offices, open office areas, conference rooms, copy rooms, break rooms and modular partitions/workstations	
NA			Indicate on plans the method of automatic control for each controlled receptacle zone (occupant sensor or programmable time-of- day control); indicate that each zone served by a single controller does not exceed 5,000 sf	
	C405.2.5, Item 2	Switched receptacles in sleeping units	Indicate method of automatic off control of all switched receptacles in sleeping units (vacancy or key card control)	
	C503.6.6	Electrical receptacle alerations	Where new receptacles are added or replaced within an alteration project that is 5,000 sf or larger, indicate receptacles are provided with automatic controls per C405.10, or exception taken	
MOTORS. T	<b>RANSFORMER</b>	S, ELECTRIC METERS	, INTERIOR TRANSPORTATION	

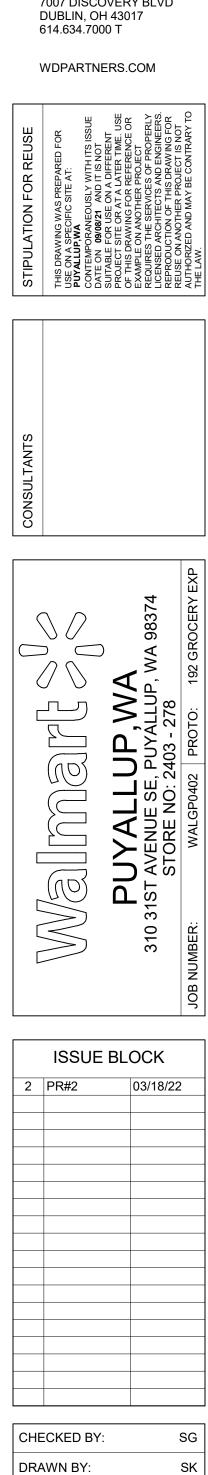
Lighting, Motor and Electrical Requirements List, pg 8 of 10

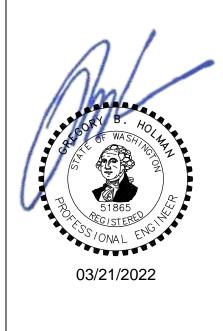
Page 7/10

Page 8/10



# 7007 DISCOVERY BLVD





PRCA20231436

PROTO CYCLE: 07/30/21

DOCUMENT DATE: 09/08/21

DOCUMENTS THAT DO NOT Development's that bothon Have the Architect or ENCCity of Puyalio BEAL AND SIGNATURE SHALL BE Development & Permitting Services CONSSUED PERMIT Building Engineering Public Works SHEF<sup>T.</sup> E1.1A

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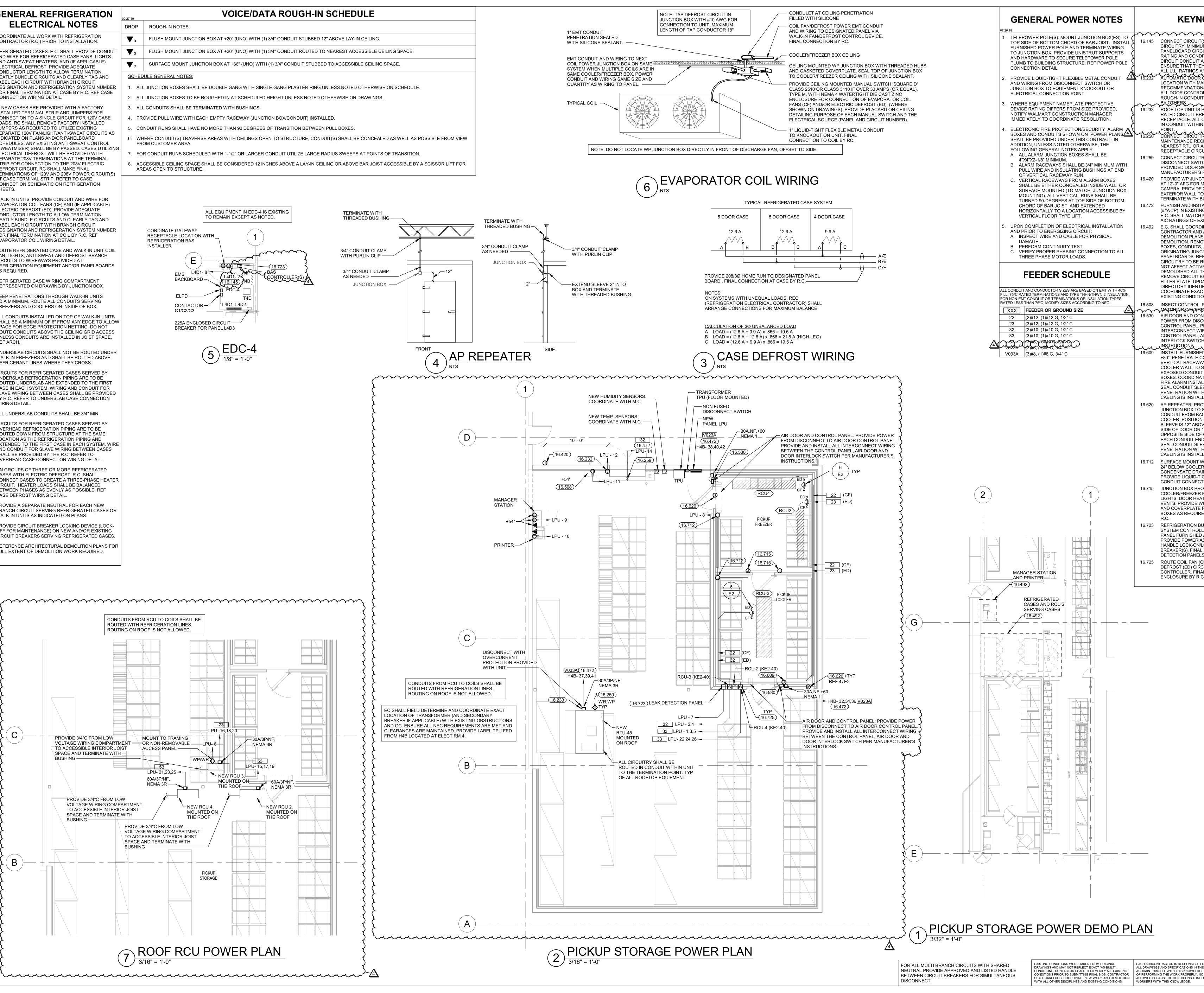
EEA, All rights reserved

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTACTOR 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.

(	GENERAL REFRIGERATION	09.27.19	VOICE/DATA ROUGH-IN SCH	IEDUL
	18 COORDINATE ALL WORK WITH REFRIGERATION	DROP	ROUGH-IN NOTES: FLUSH MOUNT JUNCTION BOX AT +20" (UNO) WITH (1) 3/4" CONDUIT STUBBED 12" ABOVE	
	CONTRACTOR (R.C.) PRIOR TO INSTALLATION. REFRIGERATED CASES: E.C. SHALL PROVIDE CONDUIT	▼ a ▼b	FLUSH MOUNT JUNCTION BOX AT +20" (UNO) WITH (1) 3/4" CONDUIT ROUTED TO NEARES	
A	AND WIRE FOR REFRIGERATED CASE FANS, LIGHTS AND ANTI-SWEAT HEATERS, AND (IF APPLICABLE) ELECTRICAL DEFROST. PROVIDE ADEQUATE	▼c	SURFACE MOUNT JUNCTION BOX AT +66" (UNO) WITH (1) 3/4" CONDUIT STUBBED TO ACC	CESSIBLE C
NE LAI	NDUCTOR LENGTH TO ALLOW TERMINATION. ATLY BUNDLE CIRCUITS AND CLEARLY TAG AND BEL EACH CIRCUIT WITH BRANCH CIRCUIT			
FO	SIGNATION AND REFRIGERATION SYSTEM NUMBER R FINAL TERMINATION AT CASE BY R.C. REF CASE NNECTION WIRING DETAIL.		L JUNCTION BOXES SHALL BE DOUBLE GANG WITH SINGLE GANG PLASTER RING UNLESS N L JUNCTION BOXES TO BE ROUGHED IN AT SCHEDULED HEIGHT UNLESS NOTED OTHERWIS	
INST	EW CASES ARE PROVIDED WITH A FACTORY ALLED TERMINAL STRIP AND JUMPERS FOR NECTION TO A SINGLE CIRCUIT FOR 120V CASE		. CONDUITS SHALL BE TERMINATED WITH BUSHINGS. OVIDE PULL WIRE WITH EACH EMPTY RACEWAY (JUNCTION BOX/CONDUIT) INSTALLED.	
LO/ JUN	ADS. RC SHALL REMOVE FACTORY INSTALLED MPERS AS REQUIRED TO UTILIZE EXISTING PARATE 120V FAN/LIGHT/ANTI-SWEAT CIRCUITS AS		NDUIT RUNS SHALL HAVE NO MORE THAN 90 DEGREES OF TRANSITION BETWEEN PULL BO	DXES.
IND SCI	DICATED ON PLANS AND/OR PANELBOARD HEDULES. ANY EXISTING ANTI-SWEAT CONTROL VEATMISER) SHALL BE BY-PASSED. CASES UTILIZING		IERE CONDUIT(S) TRAVERSE AREAS WITH CEILINGS OPEN TO STRUCTURE, CONDUIT(S) SH OM CUSTOMER AREA.	IALL BE CO
ÈLE SEI	ECTRICAL DEFROST WILL BE PROVIDED WITH PARATE 208V TERMINATIONS AT THE TERMINAL RIP FOR CONNECTION TO THE 208V ELECTRIC		R CONDUIT RUNS SCHEDULED WITH 1-1/2" OR LARGER CONDUIT UTILIZE LARGE RADIUS SV	
-	DEFROST CIRCUIT. RC SHALL MAKE FINAL TERMINATIONS OF 120V AND 208V POWER CIRCUIT(S) AT CASE TERMINAL STRIP. REFER TO CASE		EAS OPEN TO STRUCTURE.	
-	ONNECTION SCHEMATIC ON REFRIGERATION HEETS.			
E	VALK-IN UNITS: PROVIDE CONDUIT AND WIRE FOR EVAPORATOR COIL FANS (CF) AND (IF APPLICABLE) ELECTRIC DEFROST (ED). PROVIDE ADEQUATE		ALL EQUIPMENT IN EDC-4 IS EXISTING	TEDMINATE
CC NE LAI	ONDUCTOR LENGTH TÓ ALLOW TERMINATION. EATLY BUNDLE CIRCUITS AND CLEARLY TAG AND BEL EACH CIRCUIT WITH BRANCH CIRCUIT		TO REMAIN EXCEPT AS NOTED.	TERMINATE THREADED
FC	ESIGNATION AND REFRIGERATION SYSTEM NUMBER OR FINAL TERMINATION AT COIL BY R.C. REF (APORATOR COIL WIRING DETAIL.		CORDINATE GATEWAY RECEPTACLE LOCATION WITH REFRIGERATION BAS	
F٨	OUTE REFRIGERATED CASE AND WALK-IN UNIT COIL AN, LIGHTS, ANTI-SWEAT AND DEFROST BRANCH		INSTALLER	/4" CONDUI <sup>-</sup> /ITH PURLIN
RE	RCUITS TO WIREWAYS PROVIDED AT EFRIGERATION EQUIPMENT AND/OR PANELBOARDS & REQUIRED.			3/4" CONDU
	EFRIGERATED CASE WIRING COMPARTMENT EPRESENTED ON DRAWING BY JUNCTION BOX.			AS NEEDED JUNCT
Т	EEP PENETRATIONS THROUGH WALK-IN UNITS O A MINIMUM. ROUTE ALL CONDUITS SERVING		ELPD T4D	
A	REEZERS AND COOLERS ON INSIDE OF BOX.		C1/C2/C3	
SI R( U	HALL BE A MINIMUM OF 6" FROM ANY EDGE TO ALLOW PACE FOR EDGE PROTECTION NETTING. DO NOT OUTE CONDUITS ABOVE THE CEILING GRID ACCESS NLESS CONDUITS ARE INSTALLED IN JOIST SPACE, EF ARCH.		225A ENCLOSED CIRCUIT BREAKER FOR PANEL L4D3	
W	NDERSLAB CIRCUITS SHALL NOT BE ROUTED UNDER ALK-IN FREEZERS AND SHALL BE ROUTED ABOVE EFRIGERANT LINES WHERE THEY CROSS.		5 EDC-4 1/8" = 1'-0"	
C L	RCUITS FOR REFRIGERATED CASES SERVED BY			
F	ROUTED UNDERSLAB AND EXTENDED TO THE FIRST CASE IN EACH SYSTEM. WIRING AND CONDUIT FOR SLAVE WIRING BETWEEN CASES SHALL BE PROVIDED			
V	BY R.C. REFER TO UNDERSLAB CASE CONNECTION VIRING DETAIL.			
(	ALL UNDERSLAB CONDUITS SHALL BE 3/4" MIN. 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			
	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.			
	OVERHEAD CASE CONNECTION WIRING DETAIL. 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. PROVIDE A SEPARATE NEUTRAL FOR EACH NEW			
	BRANCH CIRCUIT SERVING REFRIGERATED CASES OR WALK-IN UNITS AS INDICATED ON PLANS.			
	PROVIDE CIRCUIT BREAKER LOCKING DEVICE (LOCK- OFF FOR MAINTENANCE) ON NEW AND/OR EXISTING CIRCUIT BREAKERS SERVING REFRIGERATED CASES.			
	REFERENCE ARCHITECTURAL DEMOLITION PLANS FOR FULL EXTENT OF DEMOLITION WORK REQUIRED.			
				}
			EFRIGERATION LINES. OF IS NOT ALLOWED.	}
	}			3
				}
(	<b>{</b>			ž
(				}
	$\xi$			}
(				}
(	C PROVIDE 3/4"C FROM LOW VOLTAGE WIRING COMPARTM		MOUNT TO FRAMING DR NON-REMOVABLE	{
(	TO ACCESSIBLE INTERIOR JOU SPACE AND TERMINATE WITH BUSHING	ST /	ACCESS PANEL	\$
			WP/WR 53 53 LPU- 21,23,25	}
			60A/3P/NF, NEMA 3R THE ROOF NEMA 3R	
	PROVIDE 3/4"C FROM LO			5
	VOLTAGE WIRING COMP TO ACCESSIBLE INTERIC SPACE AND TERMINATE	R JOIST	NEW RCU 4, MOUNTED ON THE ROOF	ş
	BUSHING	VOLTAG	E 3/4"C FROM LOW E WIRING COMPARTMENT	}
		TO ACCE	ESSIBLE INTERIOR JOIST / INTERMINATE WITH / INTERMINATE WITH	}
	} B			}
			PICKUP STORAGE	\$ }
		\		2
	ξ			$\left\{ \right\}$

ROOF RCU POWER PLAN

3/16" = 1'-0"



IOTES						innov	ation
I(S) TO EXISTING BRANCH UM WIRE SIZE AND CUIT ARE NOTED. VERIFY SIZE, DITION OF EXISTING BRANCH AND WIRE PRIOR TO USE TO EY MEET REQUIRED SIZE, AND AND REPLACE AS REQUIRED.						innov at sca	
OPERATOR: VERIFY IANUFACTURER'S NS PRIOR TO INSTALLATION. OLS INCLUDING LOW VOLTAGE IT, BACKBOXES AND WIRING		[	7007 DI DUBLIN 614.634	I, OH	4301	Y BLVD 17	
PROVIDED WITH A HACR REAKER AND GFI DUPLEX CIRCUITRY SHALL BE ROUTED N UNIT TO THE TERMINATION		۱ NBE	WDPAF	SUE	USE OR		NOT ARY TO
CEPTACLE. ROUTE CIRCUIT TO AHU MAINTENANCE CUIT. IRY TO FACTORY PROVIDED TCH. E.C. SHALL INSTALL SWITCH PER S RECOMMENDATIONS. CTION BOX WITH COVERPLATE MOUNTING OF EXTERIOR E 3/4" CONDUIT THROUGH TO ABOVE BAR JOIST AND		STIPULATION FOR REU	THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT: PUYAI LIP WA	CONTEMPORANEOUSLY WITH ITS ISSUE DATE ON 09/08/21 AND IT IS NOT	SULIABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USI OF THIS DRAWING FOR REFERENCE OR	EXAMPLE ON ANOTHER PROJECT EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS REPRODUCTION OF THIS DRAWING FOR	REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY THE LAW.
BUSHING. TALL NEW CIRCUIT BREAKER NG PANELBOARD INDICATED. I MANUFACTURER, TYPE AND XISTING CIRCUIT BREAKERS. DINATE WITH GENERAL D ARCHITECTURAL IS THE EXTENT OF ELECTRICAL OVE UNUSED DEVICES, S, AND WIRING BACK TO CTION BOXES OR EFERENCE POWER PLANS FOR REUSED. DEMOLITION SHALL VE CIRCUITS. IF CIRCUIT IS THE WAY TO PANELBOARD, BREAKER AND REPLACE WITH		CONSULTANTS					
DATE TYPEWRITTEN CIRCUIT IFYING CIRCUIT AS "SPACE". CT REQUIREMENTS WITH IONS PRIOR TO BID. PROVIDE BROWN DEVICE AND PLATE ONTROL PANEL: PROVIDE CONNECT TO AIR DOOR PROVIDE AND INSTALL ALL VIRING BETWEEN THE AIR CURTAIN AND DOOR CH PER MANUFACTURER'S					MA	ALLUP, WA 98374 278	D: 192 GROCERY EXP
ED ALARM JUNCTION BOX AT COOLER WALL, AND ROUTE AY UP EXTERIOR SIDE OF STRUCTURE. MINIMIZE IT ROUTED INSIDE COOLER ATE EXACT LOCATION WITH ALLER PRIOR TO ROUGH-IN. EEVE AND SLEEVE IT SILICONE SEALANT AFTER LLED.	3				UYAL UP V	AVENUE SE, PUY/ STORE NO: 2403 -	3P0402 PRO
OVIDE 3/4" CONDUIT FROM STRUCTURE. PROVIDE 1" ACK OF BOX EXTENDED 2" INTO N JUNCTION BOX SO THAT OVE DOOR ON NON ACTIVE 12" ABOVE ROLL SEAL ON F CONTROLS. TERMINATE ND WITH THREADED BUSHINGS. EEVE AND SLEEVE FH SILICONE SEALANT AFTER LLED.						310 31ST	JOB NUMBER:
WP JUNCTION BOX ON WALL ER/FREEZER BOX CEILING FOR AIN HEAT TRACE TAPE. IGHT FLEXIBLE METAL CTION TO HEAT TAPE. OVIDED WITH R PANEL FOR CONNECTION TO ATERS AND/OR HEATED		2 4	PR#2 ADD#			OCK 03/18/2 07/07/2	
VEATHERPROOF EXTENSION FOR RECESSED JUNCTION RED. FINAL TERMINATIONS BY BUILDING AUTOMATION LLER AND/OR LEAK DETECTION							
D AND INSTALLED BY OTHERS. AS INDICATED INCLUDING /LOCK-OFF DEVICE AT L TERMINATIONS AT BAS/LEAK LS BY R.C. CF) AND/OR ELECTRIC &CUITS FROM THE BAS							
AL TERMINATIONS AT .C.	-	СНЕ	ECKED	) BY:			SG
		PRC	WN B	YCLE		07/30 09/08	
			9	51866 51866 5187 7/20		ALL NOW	
	Ρ	RC	CA2	202	23 <sup>-</sup>	143	6
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FOR HAVING A THOROUGH KNOWLEDGE OF HEIR RELATED FIELD. THE FAILURE TO GE DOES NOT RELIEVE THE RESPONSIBILITY IO ADDITIONAL COMPENSATION SHALL BE FOCCUR DUE TO FAILURE TO FAMILIARIZE		SHE	ET:	E	2		







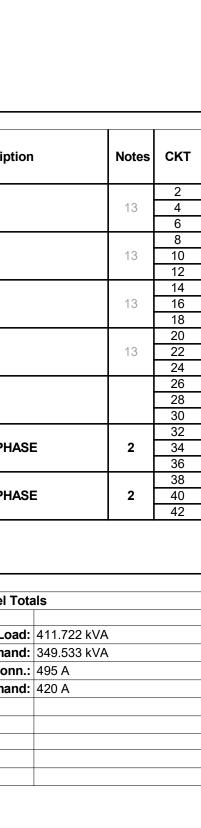
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Recepta	acle -				462 VA 30 VA			00.00%			1880				Total Est. Dema Total Col
.ighting /IISC -	-				40 VA 462 VA			25.00% 00.00%			3425 V 227462				Total Conn. Lo Total Est. Dema
itchen	-			1796	640 VA			65.00%			116766	6 VA			
oad C	lassifica	ation	C	onner	cted Loa			and Fa			mated	Demano	d		Panel
						-	se B: se C:	136.7 135.8		494 490	.2 A .6 A				
<u> </u>	ļ	1	I	1	1	-	se A:	139.0	-	502	.5 A		<b>Р</b>		1
39 41	2	RTU-45	3	30	21.6			5.99	3.60	5.99	3.60	13.0	20	3	HCR AIR DOOR -480V/3 PH
37						5.99	3.60			5.00	5.00			┢	
33 35	13	COMPACTOR 10 HP, 480/3	3	30	14.0			3.88	3.60	3.88	3.60	13.0	20	3	HCR AIR DOOR -480V/3 PH
29 31						3.88	3.60			3.88	8.73			╀	
27	13	BALER 10 HP, 480/3	3	30	14.0			3.88	9.60	2.00	0.70	36.4	70	3	TRANSFORMER TPU
23 25						3.88	11.90			3.88	12.19			┢	SHUNT-TRIP BREAKER
21	13	COMPACTOR 10 HP, 480/3	3	30	14.0	0.00	12.10	3.88	12.19			44.0	60	3	44.0 A, 480/3
17 19						3.88	12.19			3.88	12.19			$\vdash$	SHUNT-TRIP BREAKER D58 FRYER
13 15	13	BALER 10 HP, 480/3	3	30	14.0	3.88	12.19	3.88	12.19			44.0	60	3	D58 FRYER 44.0 A, 480/3
11		480/277/3				2.00	10.40		-	17.21	9.70		_	Ĺ	SHUNT-TRIP BREAKER
7 9	13	PANEL H4P	3	150	62.1	17.21	9.70	17.21	9.70			35.0	45	3	D56 FRYER W/BSKT LIFT 35.0 A, 480/3
5	13	112.5 KVA 480/3	3	C/I	133.1			30.68	10.28	36.88	10.28	37.1	50	3	37.1 A, 480/3
1 3	13	TRANSFORMER T4D	3	175	133.1	36.88	10.28	36.88	10.28			37.1	50	2	B05 PAN WASHER
СКТ	Notes	Circuit Description	Р	СВ	AMP		A VA	E kV	B /A	( k\		AMP	СВ	Ρ	Circuit Descript
lotes:					1									1	
		Supply From: Mounting: Surface Enclosure: NEMA 1						hases: Wires:							Mains Type: MLO Mains Rating: 600A MCB Rating:
		Location:						Volts:	480Y/2	77 V					A.I.C. Rating: 18kA
		Ex. Panel: H4B						Volts:	480Y/2	77 V					A.I.C. Rating: 18kA

Notoo		Location: PICKUP STORAGE Supply From: TPU Mounting: Surface Enclosure: NEMA 1			F	Volts: Phases: Wires:		20 V			A.I.C. Rating: 10kA Mains Type: MCB Mains Rating: MCB Rating: 150A												
Notes:																							
скт	Notes	Circuit Description	Р	СВ	AMP		A		3	c	;	AMP	СВ	P Circuit Description	Notes	скт							
$\frac{1}{3}$	2,26	FREEZER DEFROST, FAN CONTROLLER	3		3.6	0.43	0.31	0.43	0.31			3.0	30	2 COOLER DEFROST, FAN CONTROLLER (RCU3)	2,26	2 4							
5		(RCU2)			برويد	0.36	0.72			0.43	0.18	1.5	20 20	1 RCU MAINTENANCE RECEPTACLE 1 COOLER DOOR HEATER & HEAT TRACE									
9		MANGERS STATION	$\frac{1}{1}$	20	6.0	0.50	0.72	0.72	0.80			6.7	20	1 PRINTER		10							
11		INSECT CONTROL	$\frac{1}{1}$	20	1.5			0.12	0.00	0.18	0.60	5.0	20	1 AUTOMATIC DOOR		10							
	$\sim$	PICKUP STORAGE LIGHTING	11		6.8	0.82	1.92								$\frac{1}{2}$	-14							
15 17	2,27	RCU2	3		23.0	}		2.77	1.37	2.77	1.37	11.4		3 RCU3	2,27	16 18							
19						2.77	1.37				}					20							
	2,27	RCU4	3	45	23.0		0.42	2.77	0.43	2.77	0.43	3.6	30	3 FREEZER DEFROST, FAN CONTROLLER (RCU4)	2,26	22 24							
25	~~	SPACE	F			2.77	0.43	0.00	0.00			$\frac{1}{2}$	$\sim$		$\frac{1}{2}$	26 28							
29		SPACE	E					0.00	0.00	0.00	0.00			SPACE		30							
31		SPACE				0.00	0.00			0.00	0.00			SPACE		32							
33		SPACE				0.00		0.00	0.00					SPACE		34							
35		SPACE								0.00	0.00			SPACE		36							
37		SPACE				0.00	0.00							SPACE		38							
39		SPACE						0.00	0.00					SPACE		40							
41		SPACE								0.00	0.00			SPACE		42							
						Pha	se A:	11.90	) kVA	100	.3 A												
						Pha	se B:	9.60	kVA	81.	1 A												
						Pha	se C:	8.73	kVA	72.	8 A												
Load Cla		tion	C		ted Loa	ad		nand Fa		Esti		Demano	k	Panel Totals									
Lighting -					10 VA			125.00%			3425												
MISC -					19 VA			100.00%			25619			Total Conn. Load: 30.239 kV/									
Receptac	cle -			188	30 VA			100.00%	)		1880	/A		Total Est. Demand: 30.924 kV/	١								
														Total Conn.: 84 A									
														Total Est. Demand: 86 A									



		Ex. Panel: L4D1													
Notes:		Location: Supply From: Mounting: Surface Enclosure: NEMA 1					F	Volts: Phases: Wires:		20 V					A.I.C. Ra Mains T Mains Ra MCB Ra
скт	Notes	Circuit Description	Р	СВ	AMP		4 /A		3 /A		C /A	AMP	СВ	Р	с
1	13	LPTV	1	20	3.0	0.36	0.50					4.2	20	1	BAS CONTRO
3	13	LPTV	1	20	3.0			0.36	0.00				20	1	SPARE
5	24	SPARE	1	20						0.00	0.00		20	1	SPARE
7	24	SPARE	1	20		0.00	0.72					6.0	20	1	GATEWAY RE
9	13	M04 SCALE/M11 WRAPPER	1	20	11.0			1.32	0.36			3.0	20	1	R/O WATER F
11	13	P04 SCALE/P05 WRAPPER	1	20	12.5					1.50	0.36	3.0	20	1	R/O WATER F
13	13	SEAFOOD RECEPTACLES	1	20	6.1	0.73	0.00						20	1	SPARE
15	24	SPARE	1	20		_		0.00	0.00				20	1	SPARE
17	24	SPARE	1	20						0.00	0.00		20	1	SPARE
19 21 23	13	COMPRESSOR HSE PANEL	3	20	4.7	0.56	1.67	0.56	1.67	0.56	1.67	13.9	20	3	UH-1
25						0.56	0.00								SPACE
27	13	COMPRESSOR HSE PANEL	3	20	4.7			0.56	0.00						SPACE
29	1									0.56	0.00				SPACE
		•				Pha	se A:	5.10	kVA	42.	7 A				
						Pha	se B:	4.83	kVA	40.	5 A				
						Pha	se C:	4.65	kVA	38.	8 A				
	lassifica	ation	Co		ted Lo	ad		and Fa	ctor	Est	mated		d		
Kitchen	-				50 VA			90.00%			3195				
MISC -					70 VA			100.00%			8870				T
Recepta	acle -			216	60 VA			100.00%			2160	VA			То
															То
Notes:															

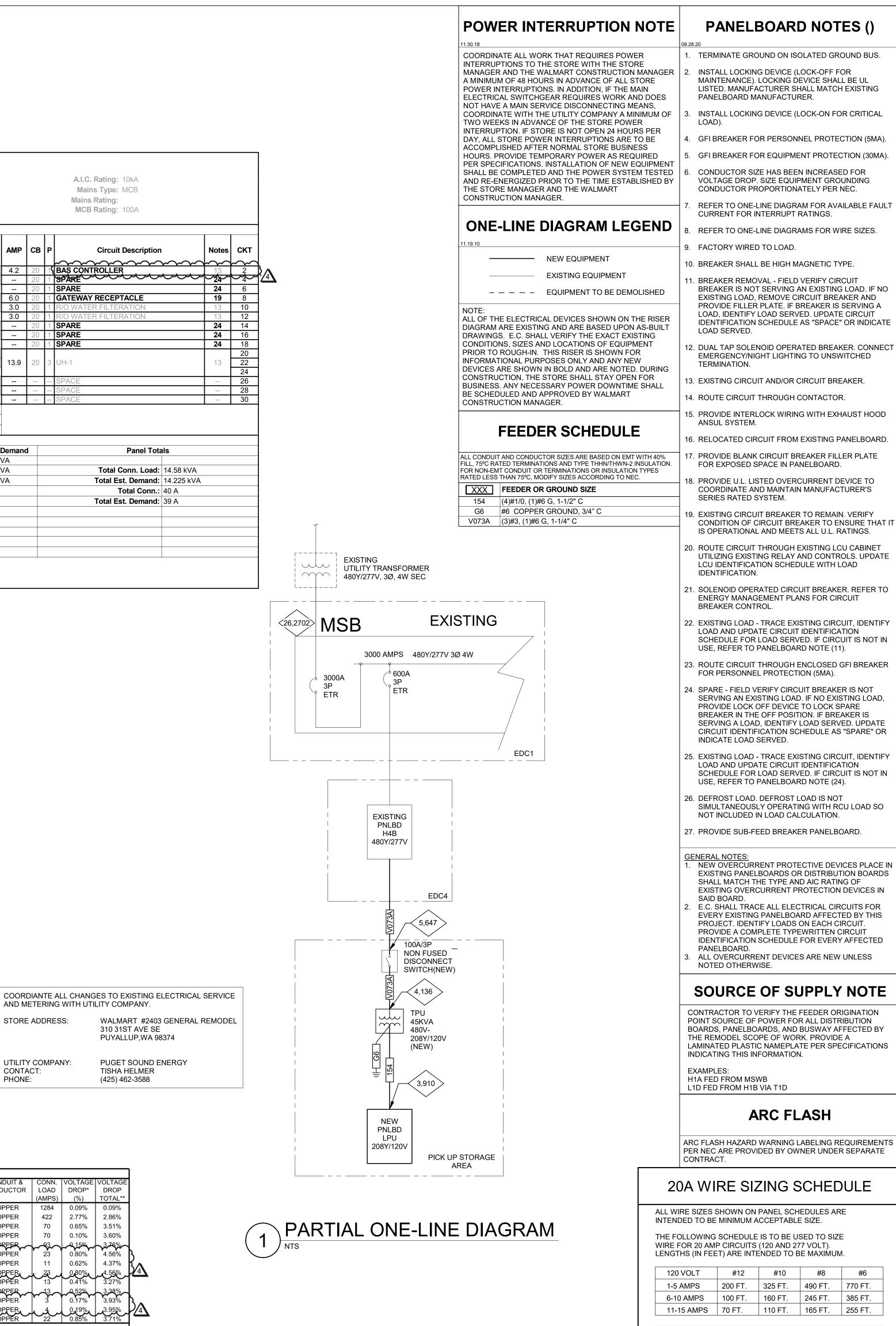
MSB LOAD SUMMARY						
LOAD TYPE	CONNECTED LOAD					
ADDED LIGHTING:	0.82KVA					
ADDED HVAC:	20.73KVA					
ADDED MISC LOADS:	59.30KVA					
ADDED RECEPTACLE LOADS:	3.20KVA					
ADDED KITCHEN LOADS:	0.00KVA					
DDED MOTOR LOADS:	0.00KVA					
DDED TOTAL:	84.05KVA					
EMOVED TOTAL LOADS:	10.81KVA					
OTAL LOAD:	73.24KVA					
EXISTING PEAK DEMAND LOAD:	976.25KVA					
781 KVA(@125%) FOTALS:	1049.49KVA					
KVA*1000)/(480V)(V3):	1262.38AMPS					
XISTING SERVICE SIZE	3000AMPS					
IOTE: EXISTING SERVICE LOAD HAS BEEN CAL	CULATED PER NEC 220.87					

AND METERING WITH UTILITY COMPANY. STORE ADDRESS:

UTILITY COMPANY: CONTACT:

PHONE:

	FAULT	FAULT		FEEDER	XFMR	С	CONDUCTOR	VOLTAGE	NUMBER	NUMBER	CALCULATED	CONDUIT &	CONN.	VOLTAGE	V
	LABEL	LOCATION	A.F.C.	SIZE	KVA	VALUE	LENGTH	L-L	OF	OF SETS	FAULT VALUE	CONDUCTOR	LOAD	DROP*	l
			(A)			(OR %Z)	(FT)	(V)	PHASES		(A)		(AMPS)	(%)	Т
	1	MSB	26702	750		24137	40	480	3	7	26106	COPPER	1284	0.09%	
	2	H4B	26106	350		19704	690	480	3	2	9854	COPPER	422	2.77%	1
	4	SWITCH	9854	3		4774	100	480	3	1	5647	COPPER	70	0.65%	1
	5	TPU	5647	3	45	4774	15	480	3	1	4136	COPPER	70	0.10%	1
	~~~~	P	4136	1/0		8925	15-	208	3	h	3910	CORPER	<b>4</b> 3	0.15%	
	7	RCU-2	3910	8		1557	55	208	3	1	1818	COPPER	23	0.80%	1
В	8	RCU-3	3910	12		617	35	208	3	1	1373	COPPER	11	0.62%	1
Ϋ́	9.	BCU-4	3910	به في ا		1557	J 55 J	208		ا ما م	1818	COPPER	23	0,80%	
	10	HCR DOOR-1	9854	8		1557	115	480			2717	COPPER	13	0.41%	
		HCR DOOR-2	9854	~°~		1557	145	480	3	h	- 2286	COPPER	13	0.52%	
0	12	KE2-40	3910	10		981	52	208		1	1306	COPPER	3	0.17%	1
γ	13	KE2-40	3910	10		981	55	208			1384	COPPER		0,19%	
	14	RTU-45	9854	8		1557	140	480			2348	COPPER	22	0.85%	
	* VOLTA	AGE DROP (%)	- POINT	TO POINT	CALCU	JLATION									
	** VOLTAGE DROP TOTAL - TOTAL VOLTAGE DROP BACK TO SERVICE														



#12

760 FT.

480 FT.

277 VOLT

1-5 AMPS

GFI BREAKER FOR EQUIPMENT PROTECTION (30MA).

BREAKER IS NOT SERVING AN EXISTING LOAD. IF NO PROVIDE FILLER PLATE, IF BREAKER IS SERVING A IDENTIFICATION SCHEDULE AS "SPACE" OR INDICATE

. DUAL TAP SOLENOID OPERATED BREAKER. CONNECT

CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT

UTILIZING EXISTING RELAY AND CONTROLS. UPDATE

SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN

SERVING A LOAD, IDENTIFY LOAD SERVED. UPDATE CIRCUIT IDENTIFICATION SCHEDULE AS "SPARE" OR

SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN

EXISTING PANELBOARDS OR DISTRIBUTION BOARDS

#10	#8	#6	
325 FT.	490 FT.	770 FT.	
160 FT.	245 FT.	385 FT.	
110 FT.	165 FT.	255 FT.	
#10	#8	#6	
760 FT.	1170 FT.	1865 FT.	
380 FT.	585 FT.	930 FT.	
250 FT.	390 FT.	620 FT.	

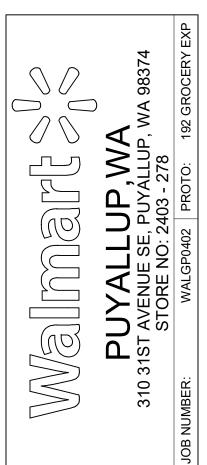
EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT HIMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY



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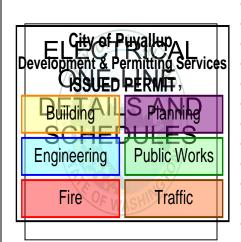


ISSUE BLOCK						
2	PR#2	03/18/22				
4	ADD#6	07/07/22				
·	1					
СНІ	ECKED BY:	SG				
DR/	DRAWN BY: S					
PR	OTO CYCLE:	07/30/21				
DO	CUMENT DATE	: 09/08/21				

..... 07/07/2022

DOCUMENTS THAT DO NOT HAVE THE ARCHITECT OR ENGINEER OF RECORD SEAL AND SIGNATURE SHALL BE CONSIDERED NOT FOR CONSTRUCTION

PRCA20231436



SHEET:

E3

DESIGN LOADS	GENERAL NOTE	
<ol> <li>BUILDING CODE         <ul> <li>A. BUILDING CODE</li> </ul> </li> <li>2. GRAVITY LOADS             <ul> <li>A. REFER TO MANUFACTURER'S RATED LOADS.</li> </ul> </li> </ol>	2018 WASHINGTON STATE BUILDING CODE (2018 WASBC)	<ul> <li>1.0 GENERAL</li> <li>1.1 ALL FIXTURES SHALL BE DESIGNED TO MEET ALL BUIL SECTION 2209.1 OF THE 2018 WASBC.</li> <li>1.2 JOHNSTON BURKHOLDER ASSOCIATES HAS DESIGNED FIXTURES SHOWN ON THIS INSTALLATION DRAWING TO FORCES FOR THE BUILDING CODES NOTED IN THE "DE INSTALLATION OF THE FIXTURES SHALL MEET THE LAY PLAN, PROVIDED BY OWNER.</li> </ul>
<ul> <li>3. LATERAL LOADS <ul> <li>A. SEISMIC LOADS</li> <li>1. 5% DAMPED SPECTRAL RESPONSE COEFF (Sds)</li> <li>2. 1-SEC PERIOD SPECTRAL RESPONSE COEFF (Sd1)</li> <li>3. SEISMIC DESIGN CATEGORY</li> <li>4. SEISMIC SITE CLASS</li> <li>5. NON-BUILDING STRUCTURAL SYSTEM AND SEISMIC RESISTING SYSTEM</li> <li>6. RESPONSE MODIFICATION FACTOR (R)</li> <li>7. OVERSTRENGTH FACTOR (Ω0)</li> <li>8. IMPORTANCE FACTOR (Ip)</li> <li>STORAGE AREA</li> <li>9. ANALYSIS PROCEDURE</li> <li>10. DESIGN BASE SHEAR (PER RMI 2.6.2)</li> <li>STORAGE AREA RACKS</li> </ul> </li> </ul>	1.009 g 0.541 g D D (DEFAULT) STEEL STORAGE RACKS 4.0 2.0 1.0 (NO PUBLIC ACCESS) EQUIVALENT LATERAL FORCE 0.252W (NO PUBLIC ACCESS)	<ul> <li>2.0 SLAB AND FOUNDATION</li> <li>2.1 SLAB ON GRADE IS ASSUMED TO HAVE A MINIMUM OF</li> <li>2.2 THE SLAB ON GRADE IS ASSUMED TO BE A MINIMUM O PLACED OVER A MINIMUM OF 4 INCHES OF DRAINAGE</li> <li>2.3 THE SLAB ON GRADE IS DESIGNED TO BEAR ON A NET MINIMUM.</li> <li>3.0 MATERIAL FOR RACKS AND ANCHORAGE</li> <li>3.1 ALL ANCHORS TO THE SLAB SHALL BE AS NOTED ON T</li> <li>3.2 OWNER IS TO PROVIDE MAINTAINENCE PER RMI 1.4.1.</li> <li>3.3 FIXTURE INSTALLER SHALL OBTAIN OUT-OF-PLUMB INS SUPPLIER PRIOR TO INSTALLATION PER RMI, SECTION</li> <li>3.4 NO FIELD WELDING IS PERMITTED. ALL WELDING SHAL WELDERS, IN AN APPROVED SHOP. USE E70xx WELD R OF BASE METAL OF WELDMENTS. PER AWS D1.1 OR D</li> <li>3.5 PROVIDE 6" AT 120" TALL RACKS AND 4 1/2" AT RACKS I THE UPRIGHT FRAME HEIGHT) MINIMUM CLEARANCE B ADJACENT BUILDING ELEMENTS PER ASCE 7-16, SECT</li> </ul>
SPECIAL INSPECTIONS REQUIR	ED	
SPECIAL INSPECTION AS REQUIRED BY S OF THE 2018 WASHINGTON STATE BUILDI BY THE ENGINEER OF RECOR	ING CODE OR	
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 1705.3, TABLE 1705.3(4.b.) OF THE 2018 WASHINGTON STATE

1. SPECIAL INSPECTIONS NOTED ABOVE SHALL BE PROVIDED BY, BUT

REFERENCE SPECIFICATIONS FOR DETAILS.

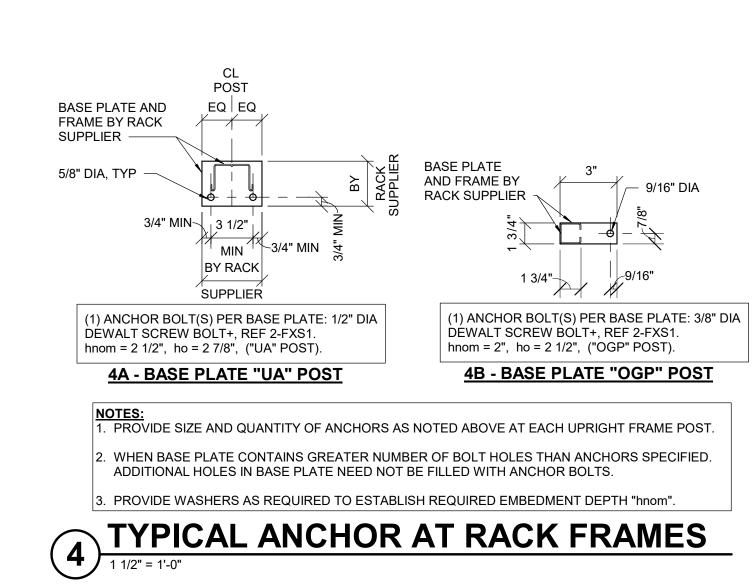
SHEET FXS1.

NOTES:

BUILDING CODE FOR EACH ANCHOR LISTED IN THE "ANCHOR BOLT DETAIL" ON

NOT LIMITED TO, THE OWNER'S CONSTRUCTION TESTING LABORATORY (CTL).





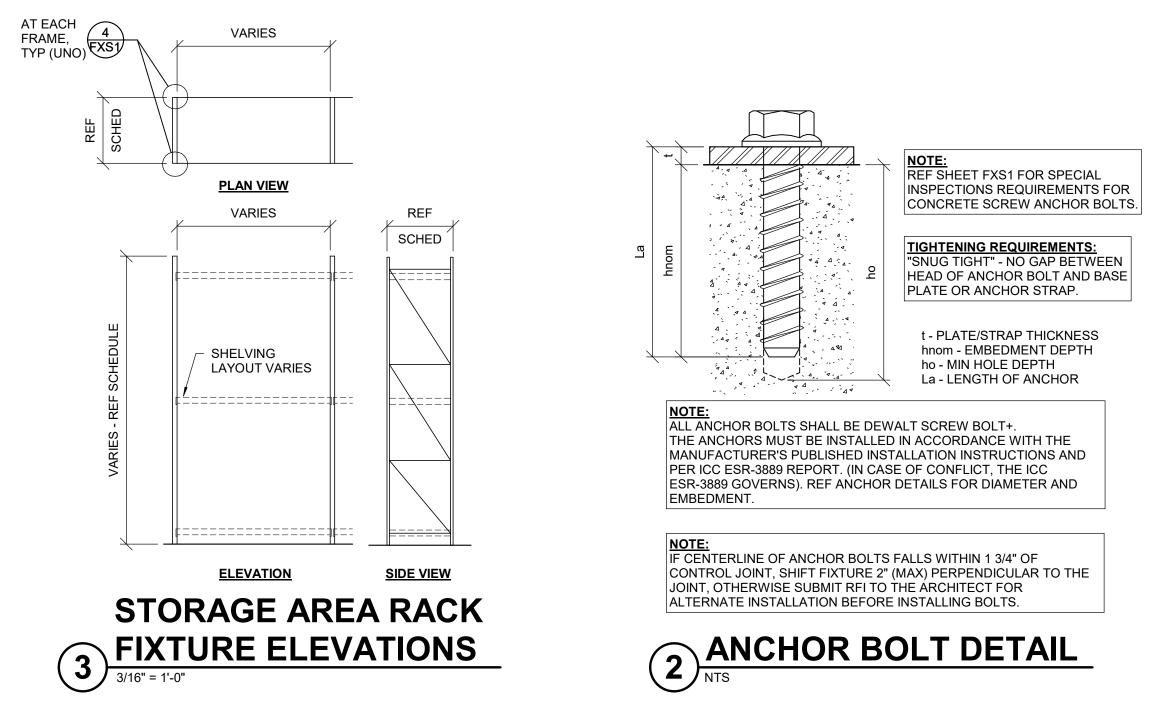
S		RAC	ANG				
	FIXTURE MARK	FIXTURE DESCRIPTION	TOP SHELF HEIGHT	FRAME MARK	MAX SHELF LOAD (LBS)	USAGE ANCHOR	DEWALT SCI
DING CODE REQUIREMENTS INCLUDING	DD	STORAGE RACK	72"	FRAME : 24-72 075A	1200	ANCHOR	DEWALT SCRE
	0	STORAGE RACK	72"	FRAME : 44-72 075A	1200	NOTES:	
D THE BASE ANCHORAGE FOR THE TO RESIST DESIGN SEISMIC LATERAL	OGP2	STORAGE RACK	90"	FRAME : 46-90 OGP	600		BOLTS AS NOTED AF
ESIGN LOADS" TABLE ON THIS SHEET. YOUT SHOWN ON THE FIXTURE LAYOUT	OGP5	STORAGE RACK	90"	FRAME : 22-90 OGP	120		CONTRACTOR (GC).
OF 4 INCHES THICK, UNREINFORCED AND FILL. T SOIL BEARING CAPACITY OF 500 PSF		44-120 075 A ANCHOR BOLT (REF DETAILS) RACK FIXTURE MARK (SHELF CONFIGURATION VARIES - BY OWNER) FRAME POST TYPE, REF SCHEDULE (A = UA) FRAME POST WALL THICKNESS (INCHES, 075 = 0.075") EXISTING RACK WITH NEW					
STALLATION TOLERANCE FROM FIXTURE		FRAME HEIGHT	,		NFIGURATION		
LL BE PERFORMED BY CERTIFIED RODS OR EQUAL TO TENSILE STRENGTH 01.3.	FRAME DEPTH (IN INCHES) ("24/44" = DESK)       EXISTING RACK WITH NEW FRAMES         TYP RACK FIXTURE SYMBOL       RACK SYMBOL LEGEND						
LESS THAN 120" (OR EQUAL TO 5% OF BETWEEN OTHER RACK FIXTURES OR TION 15.5.3.3.4.		RACK FRAM	ME & ANCHORA	GE SCHEDULE			
	FRA	ME MARK	ANCHOR DET	AIL FRAM	IE COUNT		
	22	2-90 OGP	3-FXS1 & 4B-FX	S1	2		
	24	-72 075A	3-FXS1 & 4A-FX	S1	8		

3-FXS1 & 4A-FXS1

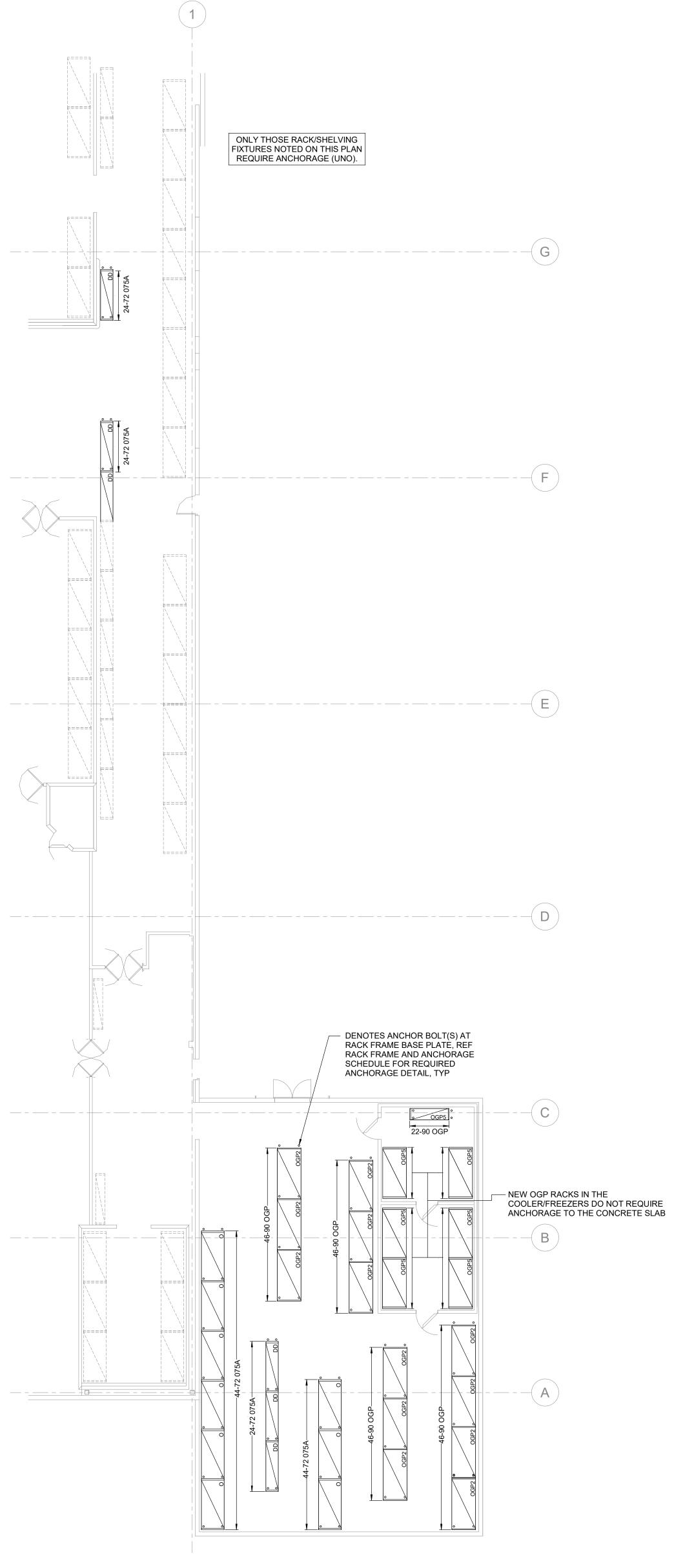
3-FXS1 & 4B-FXS1

44-72 075A

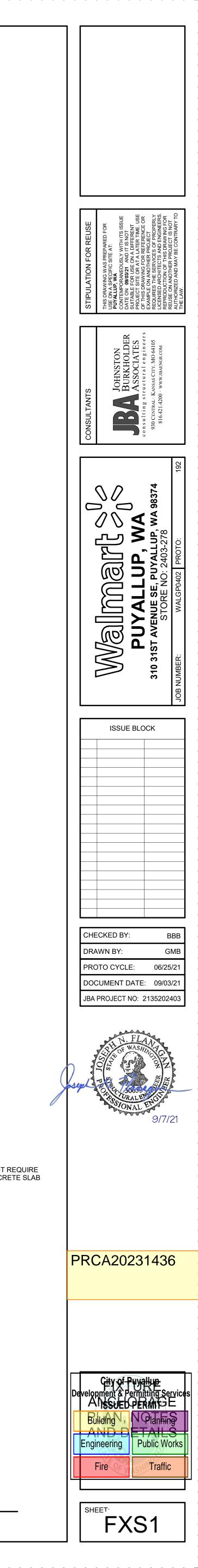
46-90 OGP



HORAGE BILL OF MATERIALS						
MATERIAL TYPE	COUNT					
CREW BOLT+ - 1/2" DIAMETER x 3" (#PFM1411380)	38					
REW BOLT+ - 3/8" DIAMETER x 2 1/2" (#PFM1411220)	40					
ARE FURNISHED BY AND INSTALLED BY THE ).						



FIXTURE ANCHORAGE PARTIAL PLAN



		) OF ITEMS LISTED IN THIS SCHEDULE MAY NOT ACCU CONTRACT DOCUMENTS. ACTUAL QUANTITY (COUNT) E CONTRACT DRAWINGS.		
		OWNER	SUPPLIED ITEMS	
WDS #	VENDOR SAP #		TYPE	MODEL
	NDS LIGHTING			
	1000041247	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
EL0001	1000041247	26_Lighting_Surface_Strip_Acuity_CLX	Туре1	CLX L96 10000LM HEF RDL MVOLT EOHN 40K 80CRI PLR1G AE1CD WH
AES INDUSTR	1000059359	23_HVAC_Supply_Drop_Box_2-4Way1	Drop_Box_DB5_4Way	ADB-1-10-4
ECOLAB INC FR2026		FURN - Insect Control Unit D	Default	STEALTH MAXIMA
EMERSON CL RB0006		NOLOGIES RETAIL 23_Refrigeration_EMS_Horn_Strobe_Emerson	Horn Strobe	868STR
	1000214394		LDP	MRLDS
RB0016		23_Refrigeration_EMS_Leak_Detection_Zone_Alarm_Em erson		
HAINES JONE				
GR1000 <sup>2</sup>	1000121534	GROCERY - Edge Protection	GROCERY - Edge Protection	[209-045-06][70-WS-EncNet5][W42]
4 RC0043	CORPORATION			
RE0336	1000048208	23_Refrigeration_Evaporator_Coil_Krack_GL_D_Hussma	GL66D-268	GL66D-268
RE0378	1000048208	23_Refrigeration_Evaporator_Coil_Krack_KR_E_Hussma nn	KR64E-220	KR64E-220
KPS GLOBAL	LLC			
R0620.001 7 R0700.000 7		DOOR - WalkIn Door Swing DOOR - WalkIn HCR	42x90 42x90	VARIES PCAV
LENNOX INDU	OUSTRIES INC			
MR0476		23_HVAC_RTU_Lennox_Strategos_SGH	5_TON_480V_150MBH	SGH060H4EX1G
LSI INDUSTRI EL0050		26_Lighting_Sealed_Strip_LSI_EG3	Туре50	W/M EG3 4 LED 6L DA S UNV DIM 40 980 SL
NOVAR		CoCorpCoCO	].,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	1000211094	23_Refrigeration_EMS_ES1_LCD_XFMR_Refrigeration_G ateway_Novar	Novar ES1 w/ XFMR	ES1
	1000211094	ateway_Novar 23_Refrigeration_EMS_ES1_LCD_XFMR_Refrigeration_G ateway_Novar	Novar xcm.LCD w/ XFMR	xcm.LCD
	1000211094	23_Refrigeration_EMS_Evap_Controller_Enclosure_KE2		20178/20844
	1000211094	23_Refrigeration_EMS_XIO_Enclosure_Novar	1 XIO Enclosure	
ORBIS PU1075	TBD	PICKUP - Tote	Default	CR2416-10, 3H (NPL-678)
REXEL USA IN				
		26_Lighting_Emergency_Battery_Rexel_EVHC 26_Lighting_Emergency_Ceiling_Rexel_EVHC	Type27 Type18	EVHC6IDP-0-WM W/ EVODW EVHC6IDP-WM
	CESS TECHNO			
PU1142 <sup>2</sup>	1000152469	PICKUP - Surface Mtd_Bi-Parting Door_Solid	144"	DURA-GLIDE 2000 SERIES
STAR GUARD EX5005			INT-4" FLOOR MOUNTED GALV	UNKNOWN
LV2002	1001777000	PROTECT - Bollard	32"H-OW	
	1000144099	PROTECT - Bollard		
	1000144099	PROTECT - Bollard	_32 H-OW	
	1000144099	PROTECT - Bollard	_32 H-OW	
	1000144099	PROTECT - Bollard	_32 H-OW	
	1000144099	PROTECT - Bollard	_32 H-OW	
	1000144099	PROTECT - Bollard	32 11-0 11	
	1000144099	PROTECT - Bollard	32 11-0 11	
	1000144099	PROTECT - Bollard	32 11-010	
	1000144099	PROTECT - Bollard	32 11-010	
	1000144099	PROTECT - Bollard	32 11-010	
	1000144099	PROTECT - Bollard	32 11-010	
	1000144099	PROTECT - Bollard	32 11-010	
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	1000144099	PROTECT - Bollard	32 11-010	
	1000144099	PROTECT - Bollard	32 11-010	
	1000144099	PROTECT - Bollard	J2 II-UW	
	1000144099	PROTECT - Bollard	J2 II-UW	
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# SHEE

NOVAR1000211001ORBISTBDREXEL USA INC1000046047STANLEY ACCESS TECHNOLOGIES LLC1000152469

STAR GUARD LLC

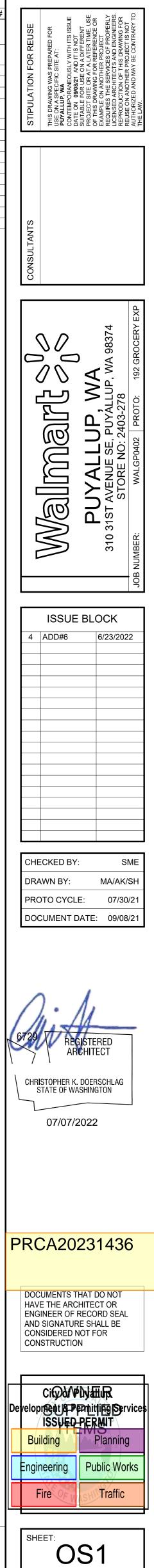
SHEET NOTES						
1. THE QUANTITIES (COUNT) OF ITEMS PURCHASED BY OWNER AS SCHEDULED ON THIS "OWNER SUPPLIED ITEMS" SHEET MAY NOT ACCURATELY REPRESENT THE ACTUAL QUANTITY REQUIRED TO COMPLETE THE SCOPE OF WORK INCLUDED IN THE CONTRACT DOCUMENTS. ACTUAL QUANTITY (COUNT) OF OWNER SUPPLIED ITEMS SHALL BE DETERMINED THROUGH A THOROUGH REVIEW AND ACCOUNTING OF THE CONTRACT DRAWINGS.						
2. REFERENCE APPENDIX A IN THE SPECIFICATIONS TO DETERMINE WH RESPONSIBLE FOR THE INSTALLATIC FURNISHED PRODUCTS.	-					
MATERIAL VENDOR LIST						
VENDOR	VENDOR SAP #					
EQUIPMENT VENDOR LIST						
VENDOR	VENDOR SAP #					
ACUITY BRANDS LIGHTING INC	1000041247					
AES INDUSTRIES INC	1000059359					
ECOLAB INC	1000057606					
EMERSON CLIMATE TECHNOLOGIES RETAIL	1000214394					
HAINES JONES & CADBURY LLC HJC	1000121534					
HUSSMANN CORPORATION	1000048208					
KPS GLOBAL LLC	1000713318					
LENNOX INDUSTRIES INC	1000185327					
LSI INDUSTRIES INC	1000077474					
NOVAR	1000211094					
ORBIS	TBD					

1000144099



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EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTACTOR 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.

WALMART SUPERCENTER PICKUP EXPANSION 02403-278,310 31ST AVE SE CITY OF PUYALLUP, COUNTY OF PIERCE, STATE OF WASHINGTON CONSTRUCTION DOCUMENTS

CONTACTS

PROPERTY OWNER WAL-MART STORES INC. 702 S.W 8TH ST. BENTONVILLE, AR 72716 PHONE: 1-800-925-6278 ENGINEER GALLOWAY & COMPANY, INC. 6162 S. WILLOW DRIVE, SUITE 320 GREENWOOD VILLAGE, COLORADO 80111 TEL: (303) 770-8884 FAX: (303) 770–3636 ATTN: BRANDON ALLEY, PE EMAIL: brandonalley@gallowayus.com PREPARER GALLOWAY & COMPANY, INC. 6162 S. WILLOW DRIVE, SUITE 320 GREENWOOD VILLAGE, COLORADO 80111 TEL: (303) 770–8884 FAX: (303) 770–3636 ATTN: MAGGIE CORDER EMAIL: maggiecorder@gallowayus.com

AGENCY CONTACTS DEVELOPMENT & PLANNING SERVICES DEVELOPMENT ENGINEERING 333 S. MERIDIAN PUYALLUP, WA 98371 CONTACT: JOSH KUBITZA, AICP TEL: (253) 284–0270

BUILDING DIVISION CITY OF PUYALLUP 333 S. MERIDIAN PUYALLUP, WA 98371 TEL: (253) 864-4165





VICINITY MAP 1"=200'

SHEET LI	ST TABLE
SHEET NUMBER	SHEET TITLE
CSO	COVER SHEET
CS1	PICKUP DEMOLITION & SITE PLAN
CS1A	HORIZONTAL CONTROL PLAN
CS2	SITE SIGNAGE PLAN
CS3	SITE DETAILS
CS4	GRADING PLAN
CS5	SEDIMENT & EROSION CONTROL INITIAL PLAN
CS6	SEDIMENT & EROSION CONTROL INTERIM & FINAL PLAN
CS7	UTILITY PLAN
CS8	STORM PLAN
L1.0	LANDSCAPE PLAN
L1.1	LANDSCAPE NOTES AND DETAILS
IR1.1	IRRIGATION PLAN

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### CONSTRUCTION SEQUENCE 1. HOLD A PRECONSTRUCTION MEETING WITH THE CITY AND OBTAIN REQUIRED DOCUMENTS.

- 2. ESTABLISH CLEARING AND GRADING LIMITS.
- 3. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE.
- 4. CONSTRUCT PERIMETER DITCHES, SILT FENCES, AND OTHER EROSION CONTROL DEVICES AS SHOWN.
- 5. CONSTRUCT PROTECTION DEVICES FOR CRITICAL AREAS AND SIGNIFICANT TREES PROPOSED FOR RETENTION.
- 6. SCHEDULE AND EROSION CONTROL INSPECTION WITH THE CITY.
- 7. CONSTRUCTION STORM DRAINAGE RETENTION/DETENTION (CONTROL AND STORAGE) FACILITIES. PROVIDE EMERGENCY OVERFLOW AS APPLICABLE.
- 8. ALL DITCHES AND SWALES AS SHOWN SHALL BE PROVIDED TO DIRECT ALL SURFACE WATER TO RETENTION/DETENTION AND SEDIMENTATION POND AS CLEARING AND GRADING PROGRESSES. NO UNCONTROLLED SURFACE WATER SHALL BE ALLOWED TO LEAVE THE SIRE OR BE DISCHARGED TO A CRITICAL AREA AT ANY TIME DURING THE GRADING OPERATIONS.
- 9. CLEARLY STATE AT WHAT POINT GRADING ACTIVITIES CAN BEGIN, USUALLY ONLY AFTER ALL DRAINAGE AND EROSION CONTROL MEASURE ARE IN PLACE.
- 10. IDENTIFY EROSION CONTROL MEASURES WHICH REQUIRE REGULAR MAINTENANCE.

### NOTE: CONTRACTOR MUST COORDINATE WORK WITH UTILITY COMPANY AND CITY PRIOR TO BEGINNING WORK AND IS RESPONSIBLE FOR ALL MATERIALS, LABOR, REPAIRS, ETC. TO COMPLETE WORK AND RESTORE AREA TO SAME STATE PRIOR TO STARTING WORK

CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL INFORMATION FOR FINAL ACCEPTANCE OF WORK FOR ANY LOCAL, STATE OR FEDERAL AGENCY, UTILITY DISTRICT OR ANY OTHER AGENCY OR DISTRICT HAVING APPROVAL AUTHORITY OVER WORK. THIS INFORMATION MAY INCLUDE, BUT IS NOT LIMITED TO, AS-BUILT PLANS, CERTIFICATIONS, INSPECTIONS AND REPORTS.

### CONTRACTOR RESPONSIBLE FOR AS-BUILT DRAWINGS, TESTS, REPORTS AND/OR ANY OTHER CERTIFICATES OR INFORMATION AS REQUIRED FOR ACCEPTANCE OF WORK FROM CITY, UTILITY DISTRICTS OR ANY OTHER GOVERNING AGENCY.

UNLESS OTHERWISE NOTED, CONTRACTOR TO PROTECT LANDSCAPING IN PLACE AND REPLACE MATCH IF DISTURBED. CONTRACTOR TO CAP AND REINSTALL IRRIGATION AS NECESSARY TO MAINTAIN IRRIGATION TO EXISTING LANDSCAPING.

NOTE: CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION. CONTRACTOR SHALL HAVE LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION A THEIR COST

### SURVEYOR TO OBTAIN AUTOCAD FILE FROM ENGINEER AND VERIFY ALL HORIZONTAL CONTROL DIMENSIONING PRIOR TO CONSTRUCTION STAKING. SURVEYOR MUST VERIFY ALL BENCHMARK, BASIS OF BEARING AND DATUM INFORMATION TO ENSURE IMPROVEMENTS WILL BE AT THE SAME HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DESIGN CONSTRUCTION DRAWINGS.

NOTE: LENGTHS OF STORM/SANITARY SEWER ARE THE HORIZONTAL DISTANCES FROM CENTER

### CAUTION - NOTICE TO CONTRACTOR . ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED

- AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES. PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION. 2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S
- RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.

## PROPERTY DESCRIPTION

PARCEL A: LOCATED IN THE CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON, IN THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 19 NORTH, RANGE 4 EAST OF THE WILLAMETTE MERIDIAN (BEING PARCEL I OF THE PUYALLUP BOUNDARY LINE ADJUSTEMENT RECORDED NOVEMBER 28, 1994 UNDER RECORDING NUMBER 9411280104).

PARCEL B: COMMENTING AT THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 19 NORTH, RANGE 4 EAT OF THE WILLAMETTE MERIDIAN, IN PIERCE COUNTY, WASHINGTON.

### VERTICAL DATUN VERTICAL DATUM IS BASED UPON A GPS OBSERVATION USING AN OPUS SOLUTION TO DETERMINE

THE ELEVATION OF THE PROJECT SITE AND IS BASED ON THE NAVD88 DATUM. 3FNCHMARK THE PROJECT BENCHMARK IS A SET REBAR AND CAP ON THE SOUTHWEST SIDE OF THE PROJECT

IN AN ISLAND. PROJECT BENCHMARK ELEVATION = 445.61'

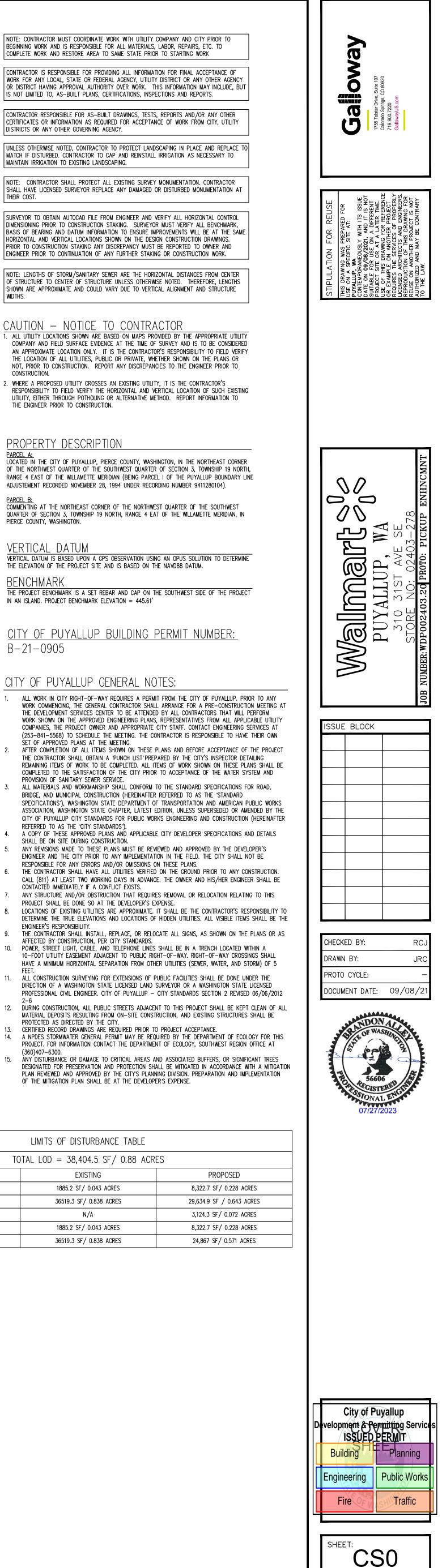
CITY OF PUYALLUP BUILDING PERMIT NUMBER: B-21-0905

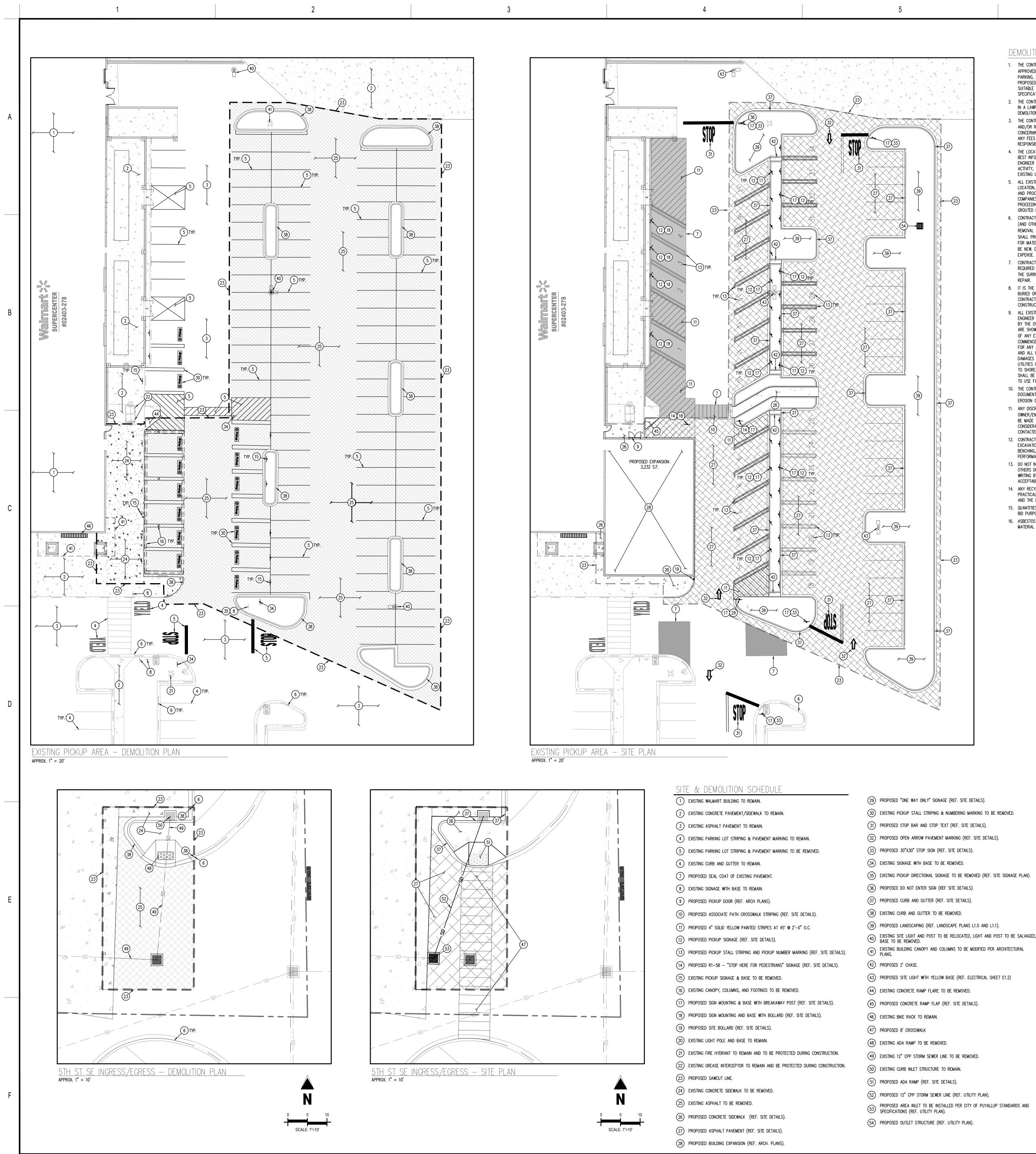
### CITY OF PUYALLUP GENERAL NOTES:

- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRE-CONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES AT (253-841-5568) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN
- SET OF APPROVED PLANS AT THE MEETING. 2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- 3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- 5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 7. ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- 8. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY.
- THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS 9. AFFECTED BY CONSTRUCTION, PER CITY STANDARDS. 10. POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A
- HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER, WATER, AND STORM) OF 5 11. ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE
- DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED PROFESSIONAL CIVIL ENGINEER. CITY OF PUYALLUP - CITY STANDARDS SECTION 2 REVISED 06/06/2012
- 12. DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE CITY.
- 13. CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE. 14. A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION CONTACT THE DEPARTMENT OF ECOLOGY, SOUTHWEST REGION OFFICE AT (360)407–6300.
- 15. ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.

	LIMITS OF DISTURBANCE TABLE						
TC	TOTAL LOD = 38,404.5 SF/ 0.88 ACRES						
	EXISTING						
PERVIOUS AREA WITHIN LOD	1885.2 SF/ 0.043 ACRES	8,32					
IMPERVIOUS AREA WITHIN LOD	36519.3 SF/ 0.838 ACRES	29,63					
ROOF AREA WITHIN LOD	N/A	3,12					
LANDSCAPING AREA WITHIN LOD	1885.2 SF/ 0.043 ACRES	8,32					
PAVEMENT AREA WITHIN LOD	36519.3 SF/ 0.838 ACRES	24,					

CUT = 37.13 CU. YD. FILL = 206.60 CU. YD. NET = 169.47 CU. YD. FILL

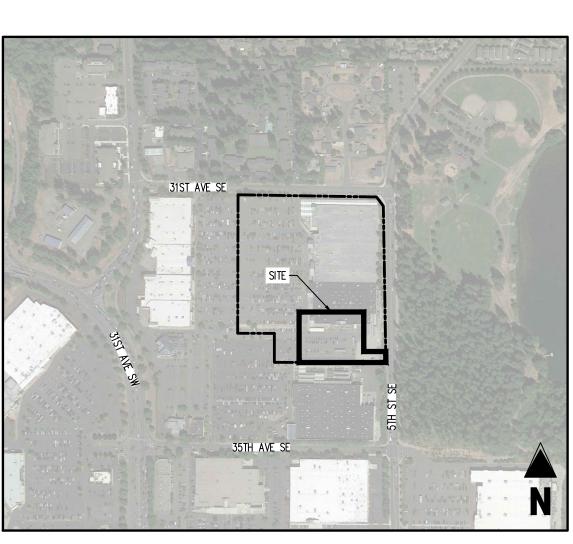




- (31) PROPOSED STOP BAR AND STOP TEXT (REF. SITE DETAILS). (32) PROPOSED OPEN ARROW PAVEMENT MARKING (REF. SITE DETAILS). (35) EXISTING PICKUP DIRECTIONAL SIGNAGE TO BE REMOVED (REF. SITE SIGNAGE PLAN). (39) PROPOSED LANDSCAPING (REF. LANDSCAPE PLANS L1.0 AND L1.1). (40) EXISTING SITE LIGHT AND POST TO BE RELOCATED, LIGHT AND POST TO BE SALVAGED, BASE TO BE REMOVED. (41) EXISTING BUILDING CANOPY AND COLUMNS TO BE MODIFIED PER ARCHITECTURAL PLANS. 43 proposed site light with yellow base (ref. electrical sheet e1.2)

DEMOLITION NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE PROPOSED PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED. 2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS
- IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
- 3. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY THEMSELVES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
- 4. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR MARKING ONSITE LOCATIONS OF Existing utilities.
- 5. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE GROUTED IF UNDER BUILDING.
- 6. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC., (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY CITY AND OWNER. SHOULD REMOVAL AND/OR RELOCATION ACTIVITIES DAMAGE EXISTING FACILITIES TO REMAIN, THE CONTRACTOR SHALL PROVIDE NEW MATERIALS/ STRUCTURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. EXCEPT FOR MATERIALS DESIGNED TO BE RELOCATED ON THIS PLAN, ALL OTHER CONSTRUCTION MATERIALS SHALL BE NEW. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
- 7. CONTRACTOR SHALL LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS, BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IT'S REMOVAL AND RFPAIR
- 8. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 72 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
- 9. ALL EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME THE DRAWINGS WERE PREPARED AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGE DUE TO THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
- 10. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, AND EROSION CONTROL PLANS AND INSPECTION REPORTS (SWPPP).
- 11. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER/ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER AND ENGINEER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM. 12. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS FOR
- EXCAVATION AND TRENCHING PROCEDURES. CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, ETC. AS NECESSARY FOR THESE OPERATIONS, AND SHALL COMPLY WITH ALL OSHA PERFORMANCE CRITERIA. 13. DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR
- OTHERS DURING OCCUPIED HOURS EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER AND THE LOCAL MUNICIPALITIES. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.
- 14. ANY RECYCLED MATERIAL TO BE STOCKPILED ON THE SITE SHALL BE STORED IN AS SMALL AN AREA AS PRACTICAL AND THE LOCATION OF ANY STOCKPILE SHALL BE WELL CLEAR OF THE BUILDING PAD AREA AND THE LOCATION MUST BE PRE-APPROVED BY THE ENGINEER AND OWNER PRIOR TO STOCKPILING.
- 15. QUANTITIES SHOWN HERE ARE APPROXIMATE AND ARE PROVIDED FOR CONVENIENCE ONLY AND NOT FOR BID PURPOSES. CONTRACTOR SHALL VERIFY QUANTITIES NECESSARY TO DEMO FACILITIES SHOWN. 16. ASBESTOS OR HAZARDOUS MATERIAL, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIAL CONTRACTOR. REFERENCE ARCHITECTURAL PLANS FOR LIMITS OF BUILDING DEMOLITION.



key map APPROX. 1" = 500'

## LEGEND

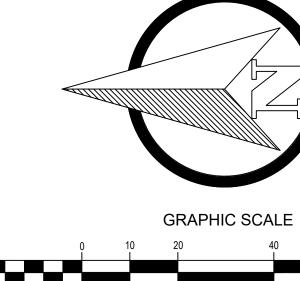
· · · · · ·	EXISTING CURB AND GUTTER TO REMAIN
	EXISTING CONCRETE PAVING TO REMAIN
	EXISTING CONCRETE PAVING TO BE REMOVED
	PROPOSED CONCRETE PAVING/SIDEWALK
	EXISTING ASPHALT PAVING TO REMAIN
	EXISTING ASPHALT PAVING TO BE REMOVED
	PROPOSED ASPHALT PAVING
	PROPOSED SEAL COAT
۲	EXISTING BOLLARD TO REMAIN
	EXISTING LIGHT POLE TO REMAIN
	EXISTING SITE TO BE RELOCATED,
Д.	EXISTING FIRE HYDRANT TO REMAIN
•	PROPOSED SITE BOLLARD
-	PROPOSED SIGN MOUNTING W/ BREAKAWAY POS
<b>.</b>	PROPOSED SIGN MOUNTING W/ BOLLARD POST
	EXISTING SIGNAGE WITH BASE TO BE REMOVED EXISTING SIGNAGE WITH BASE TO REMAIN
	EXISTING FIRE LANE STRIPING REMAIN
	EXISTING WALMART BUILDING TO REMAIN PROPOSED WALMART BUILDING
	PROPOSED SAWCUT LINE
SS@	EXISTING GREASE INTERCEPTOR TO REMAIN

## SITE NOTES

- 2. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND
- EXACT BUILDING UTILITY ENTRANCE LOCATIONS. 3. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED. 4. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS
- NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID. 5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS)
- INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SITE WORK SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN
- BASE BID. 6. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED "THE SITE SPECIFIC SPECIFICATIONS".

# CAUTION - NOTICE TO CONTRACTOR

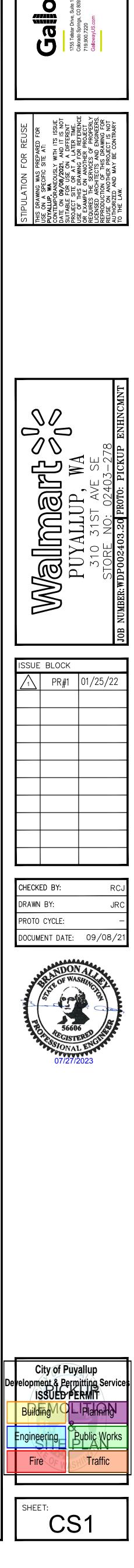
- 1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- 2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT

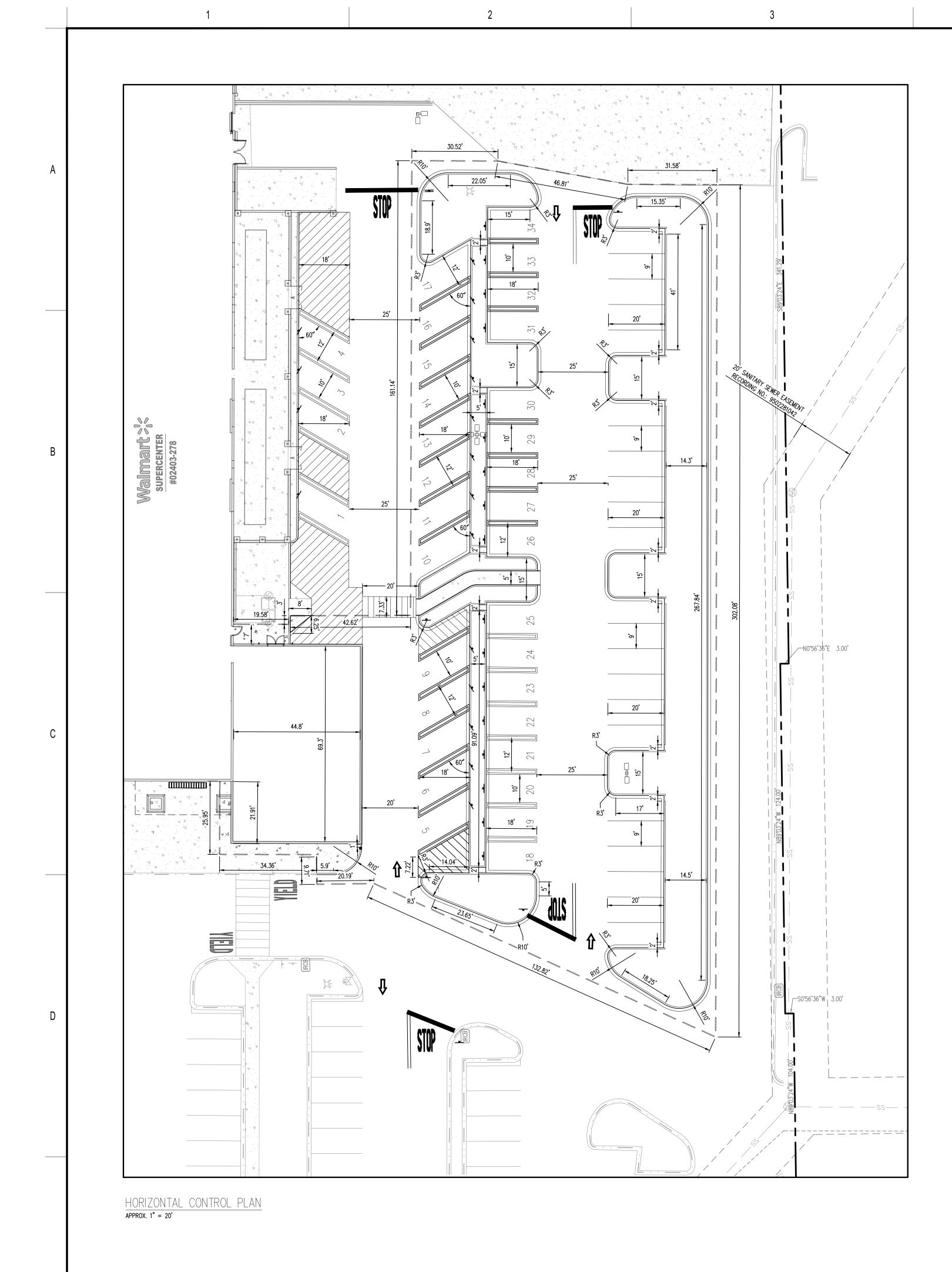


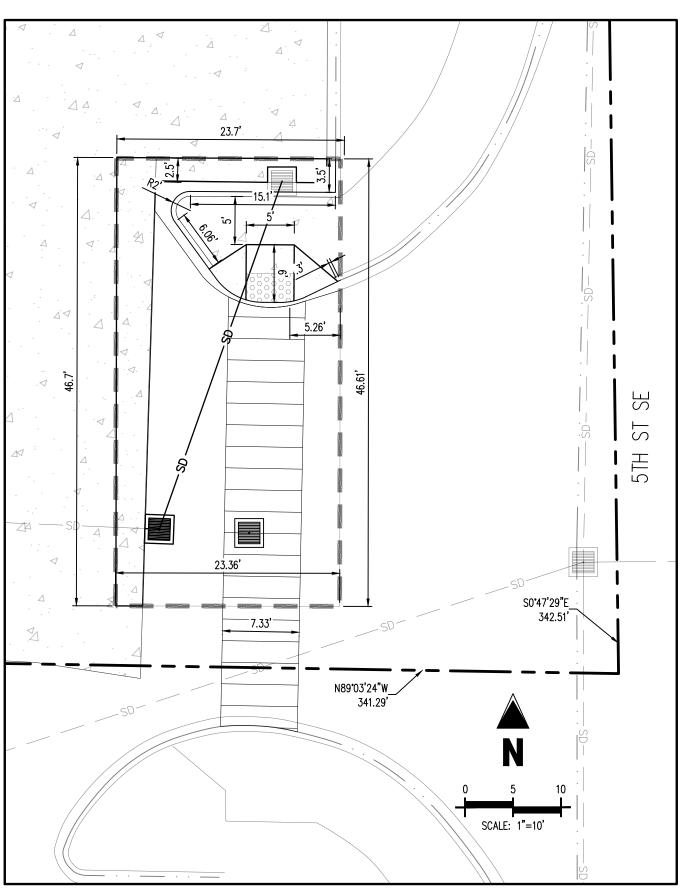
(IN FEET) 1 inch = 20 ft.

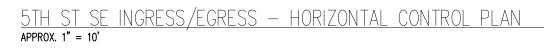
# INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.

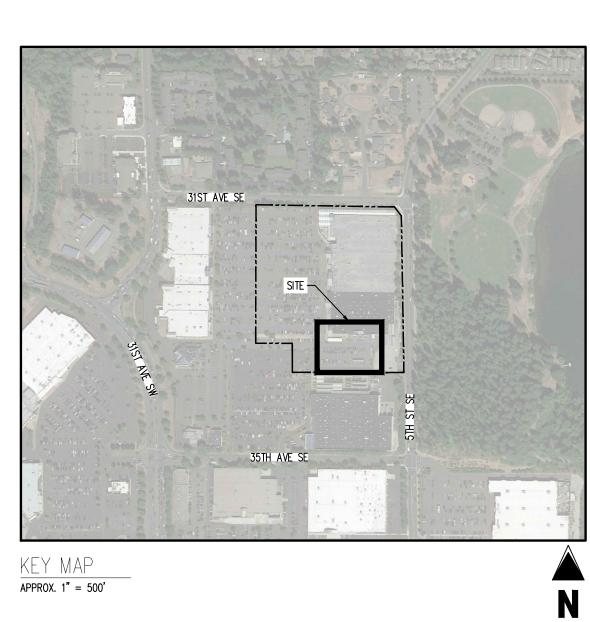
# 1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A.











## LEGEND

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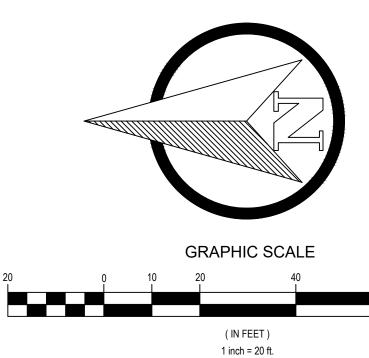
PROPERTY BOUNDARY LINE PROPOSED SAWCUT LINE EXISTING BUILDING EXISTING CURB AND GUTTER TO REMAIN PROPOSED CURB AND GUTTER EXISTING ASPHALT PAVEMENT TO REMAIN EXISTING CONCRETE PAVEMENT TO REMAIN PROPOSED CONCRETE PAVEMENT

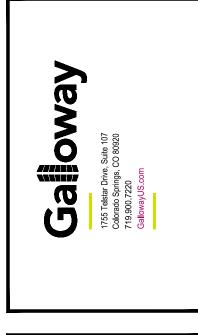
> PROPOSED SIGN PROPOSED BOLLARD

## BENCHMARK INFORMATION

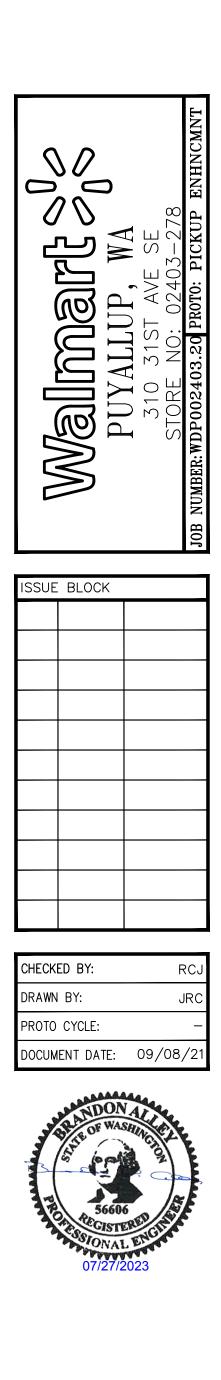
ON SITE BENCHMARK: MAG NAIL NAVD88 ELEVATION = 445.61' SITE NOTES

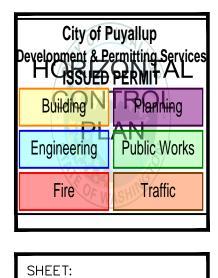
- 1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A.
- ALL WORK AND WATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
   CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
   ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
   EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND
- PROJECT SITE WORK SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID. 6. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED "THE SITE SPECIFIC SPECIFICATIONS".



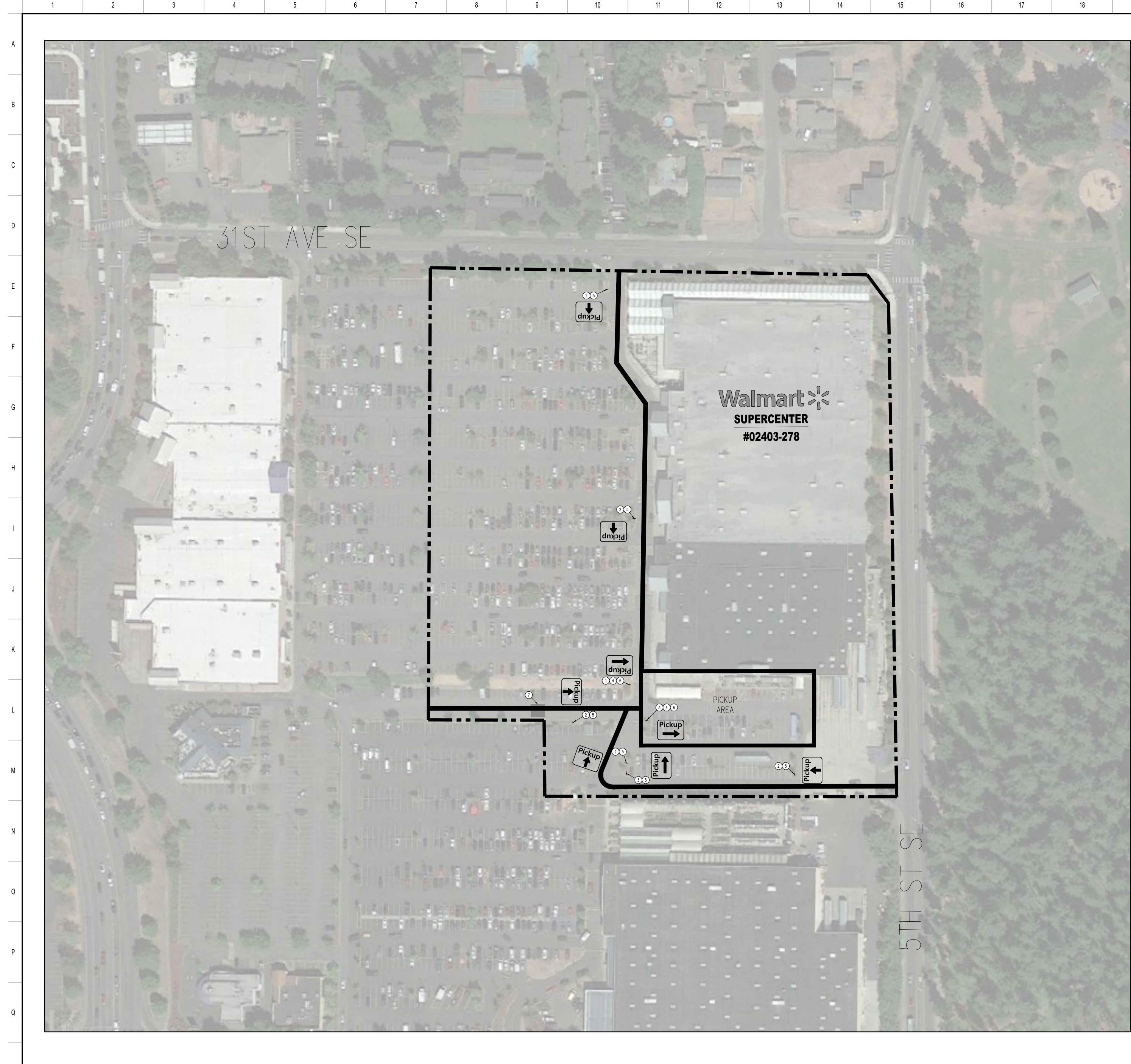


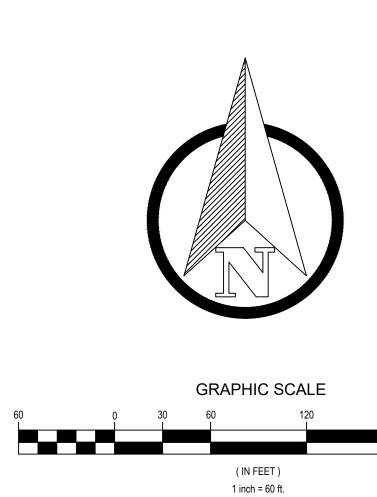
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# ALL PICKUP WAYFINDING AND STALL SIGNS ARE WALMART SUPPLIED AND CONTRACTOR INSTALLED. CONTRACTOR TO PLACE SIGN ORDER AT LEAST 3 WEEKS IN ADVANCE. ORDER SHALL BE SENT VIA EMAIL TO GETTY THOMAS (Getty.Thomas@walmart.com) AND BRAD KEENER (Bradley.Keener@walmart.com). REQUEST SHALL CONTAIN A DELIVERY ADDRESS, DESIRED DELIVERY DATE, AND ANY SITE SPECIFIC SIGN SIZE AND/OR COLORS BASED ON APPROVED PLANS.

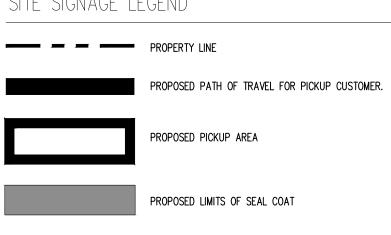
DESCRIPTION	DIMENSIONS	QL
WAITING SPACES LEFT	18 X 24	
WAITING SPACES RIGHT	18 X 24	
WAITING SPACES AHEAD	18 X 24	
RESERVED WAITING	18 X 24	
PICKUP LEFT PHARMACY RIGHT	18 X 24	
PICKUP RIGHT PHARMACY LEFT	18 X 24	
STOP THANKS FOR ORDERING	18 X 36	
PICKUP HOURS	18 X 36	
RESERVED	18 X 18	
PHONE NUMBER	8 X 18	
VERTICAL PICKUP	18 X 36	
PICKUP LEFT	18 X 24	
PICKUP AHEAD	18 X 24	
PICKUP RIGHT	18 X 24	
ALL DICKLID WAYFINDING AND STALL SIGNS ARE WALMART S		

2. REFERENCE SITE DETAILS FOR SIGN LOCATION & VESTIBULE CROSSWALK DETAILS FOR SITE SIGNAGE OFFSETS.

PICKUP EXTERIOR SIGN SCHEDULE

THIS PLAN WAS PREPARED BASED ON AN AERIAL CAPTURED 08/14/2020. THIS PLAN IS FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL FIELD CONDITIONS MAY VARY SIGNIFICANTLY FROM THIS DRAWING.

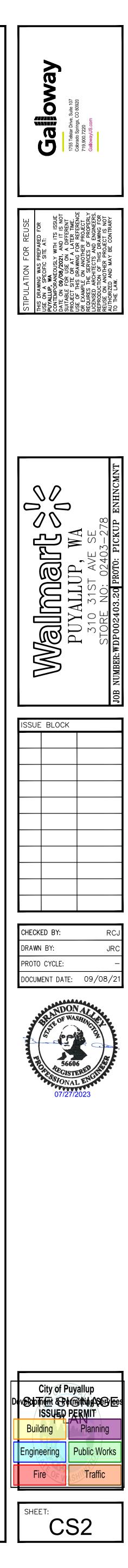
# SITE SIGNAGE NOTES

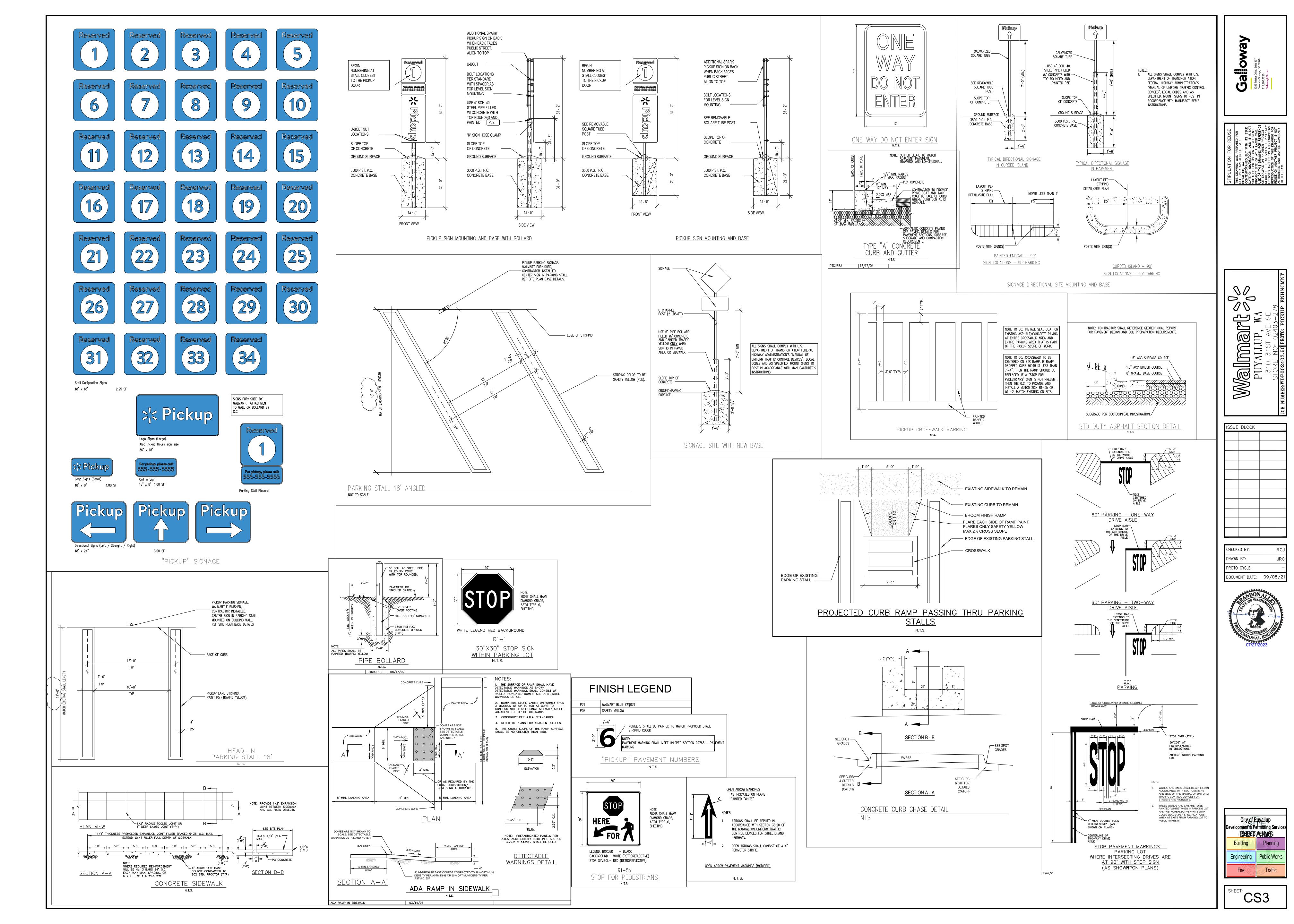


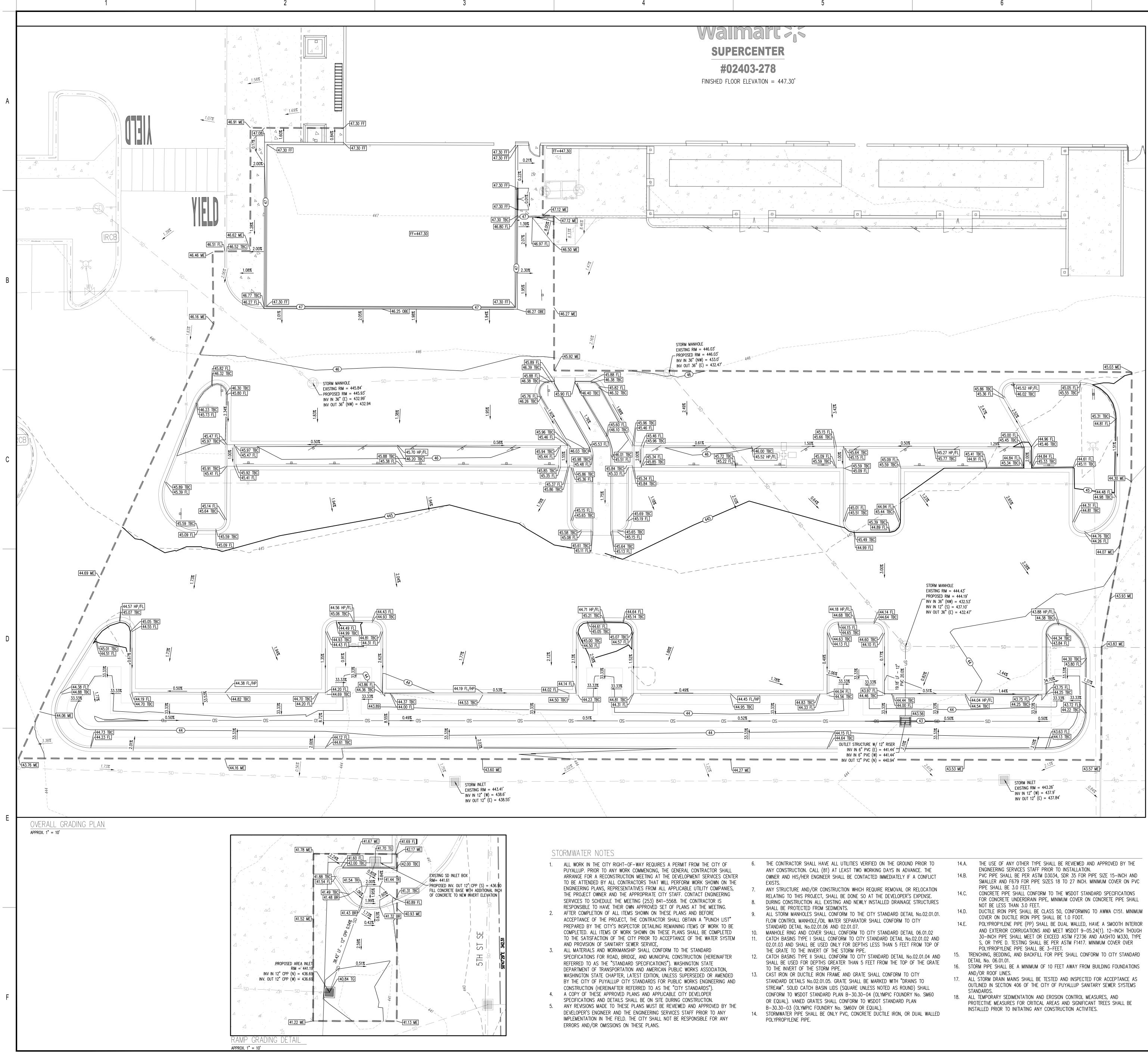
- SITE SIGNAGE LEGEND
- (7) EXISTING PICKUP PAVEMENT MARKING TO BE REMOVED AND RECEIVE SEALCOAT.
- 6 existing signage to be removed and properly disposed of and base to be reused and left in place.
- $\bigcirc$  new sign mounting and base with break away post.
- 4 proposed pickup signage to be mounted to existing sign post. (Ref. site details)
- (3) PROPOSED PICKUP SIGNAGE, RIGHT. SEE DETAIL SHEET CS3 FOR SIGNAGE AND LOCATION DETAILS.
- 1) PROPOSED PICKUP SIGNAGE, LEFT. SEE DETAIL SHEET CS3 FOR SIGNAGE AND LOCATION DETAILS. 2 PROPOSED PICKUP SIGNAGE, STRAIGHT. SEE DETAIL SHEET CS3 FOR SIGNAGE AND LOCATION DETAILS.
- SIGNAGE & STRIPING SCHEDULE NOTES

15	16	17	18	19	20	21	22
. •							



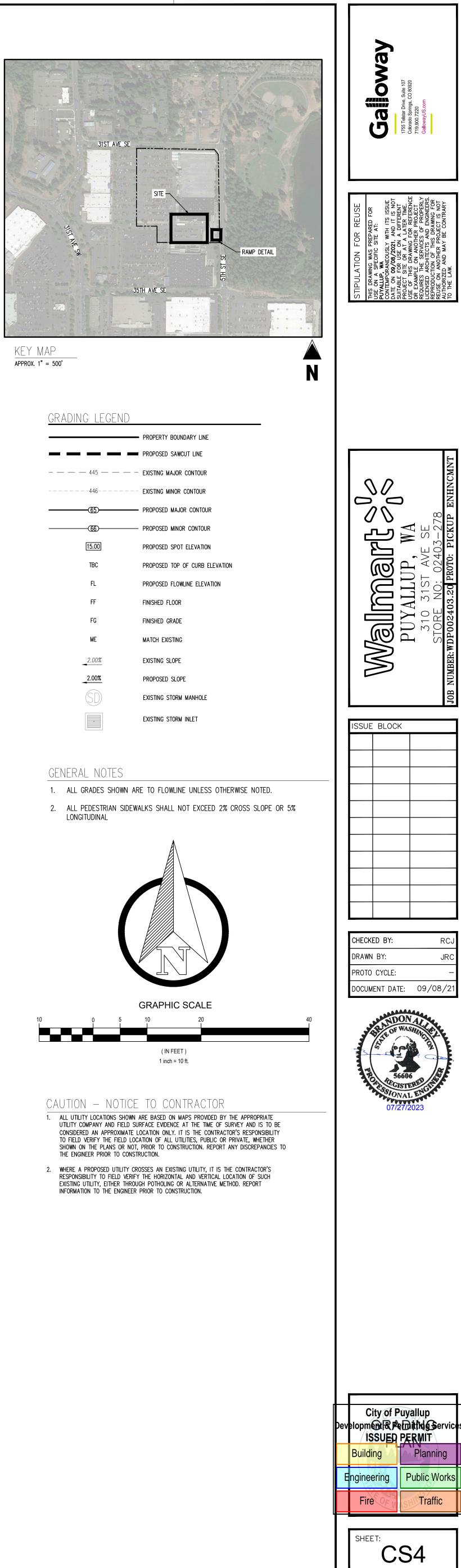






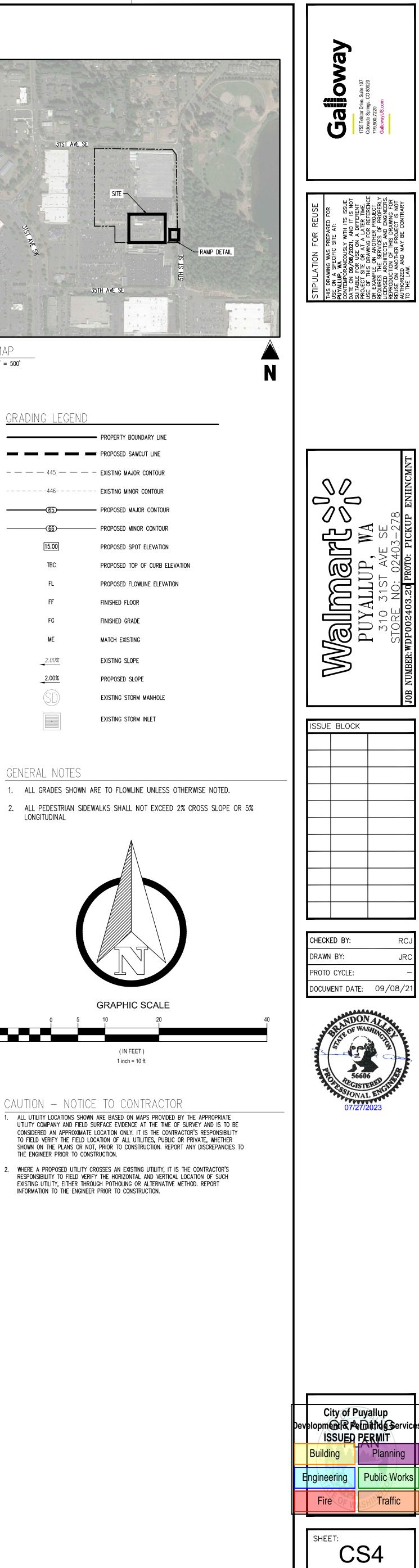
ONTACTED IMMEDIATELY IF A CONFLICT
CH REQUIRE REMOVAL OR RELOCATION SO AT THE DEVELOPER'S EXPENSE. WLY INSTALLED DRAINAGE STRUCTURES
THE CITY STANDARD DETAIL No.02.01.01. TOR SHALL CONFORM TO CITY
TO CITY STANDARD DETAIL 06.01.02 TY STANDARD DETAIL No.02.01.02 AND PTHS LESS THAN 5 FEET FROM TOP OF IPE.
CITY STANDARD DETAIL No.02.01.04 AND

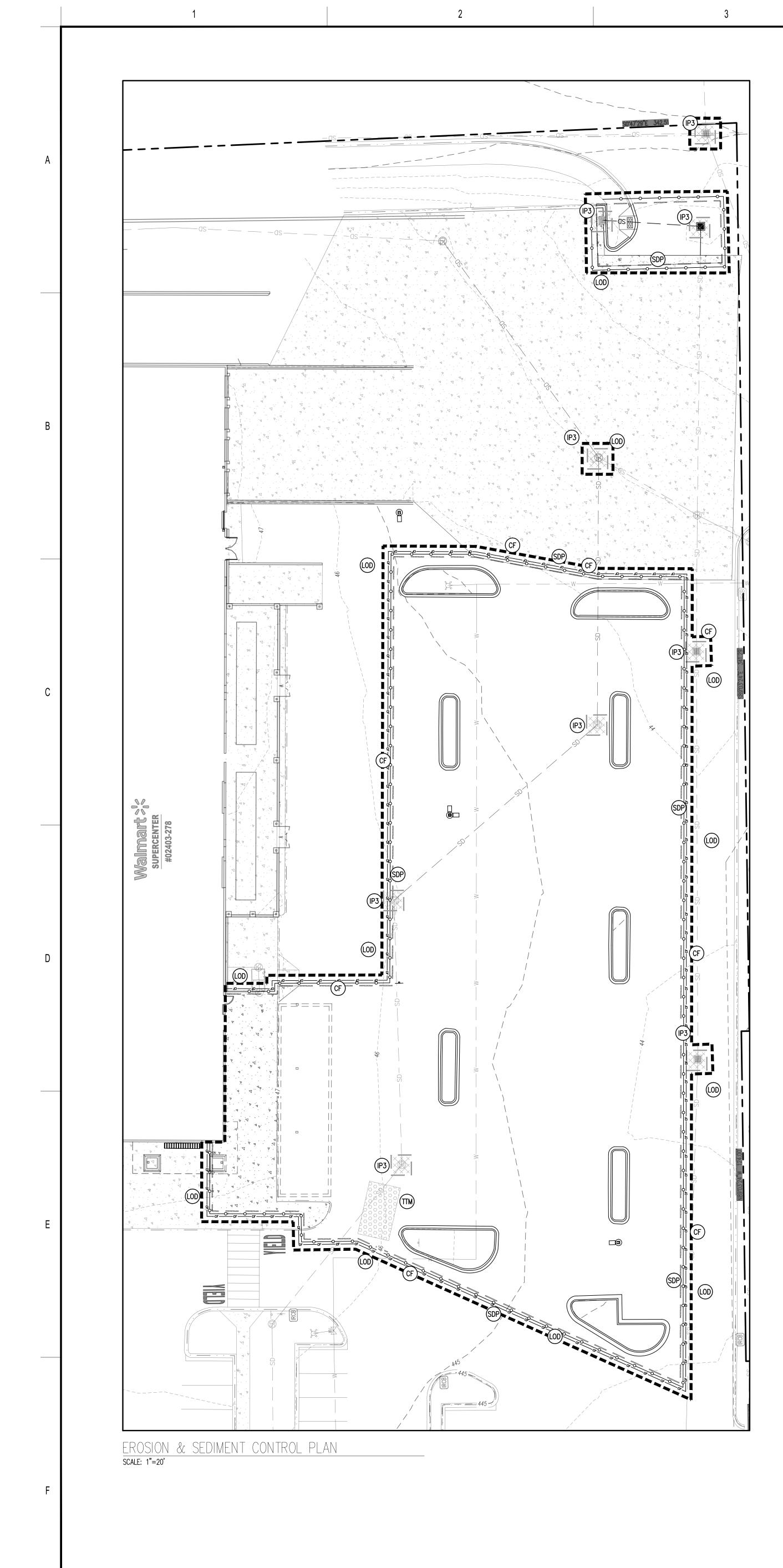
PVC PIPE SHALL BE PER ASTM D3034, SDR 35 FOR PIPE SIZE 15-INCH AND SMALLER AND F679 FOR PIPE SIZES 18 TO 27 INCH. MINIMUM COVER ON PVC FOR CONCRETE UNDERDRAIN PIPE, MINIMUM COVER ON CONCRETE PIPE SHALL POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(1). 12-INCH THOUGH 30-INCH PIPE SHALL MEET OR EXCEED ASTM F2736 AND AASHTO M330, TYPE

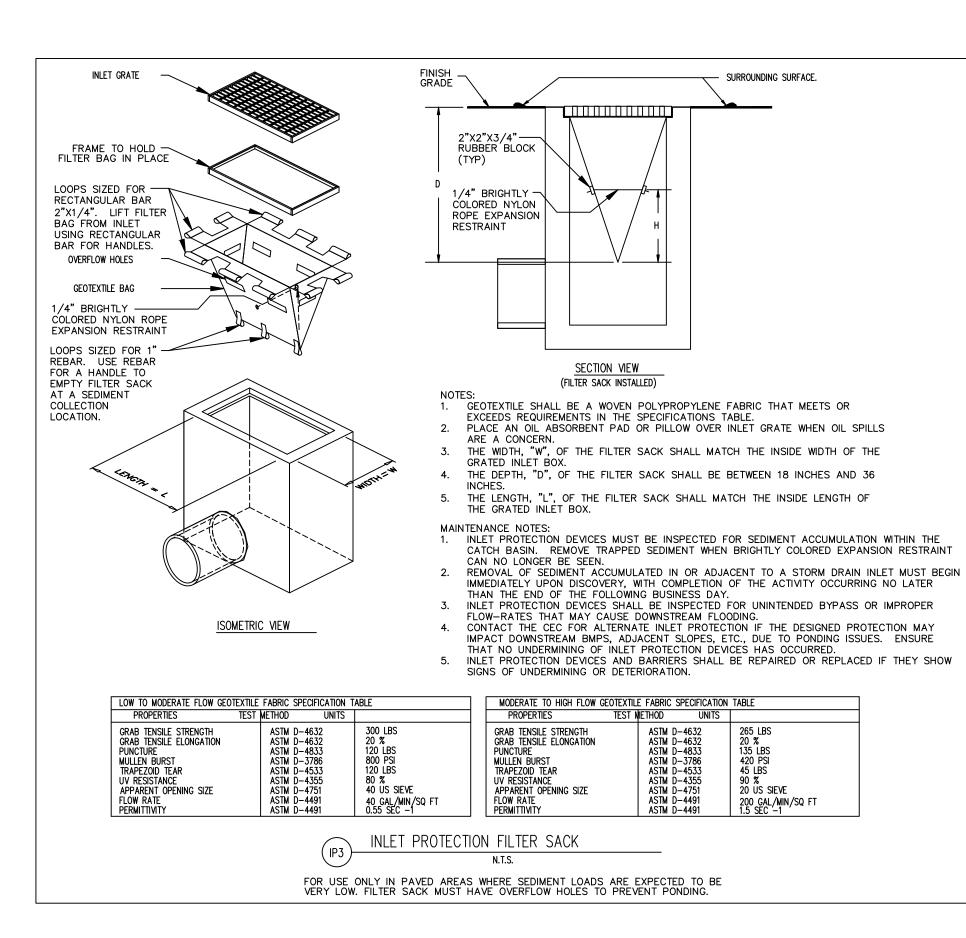


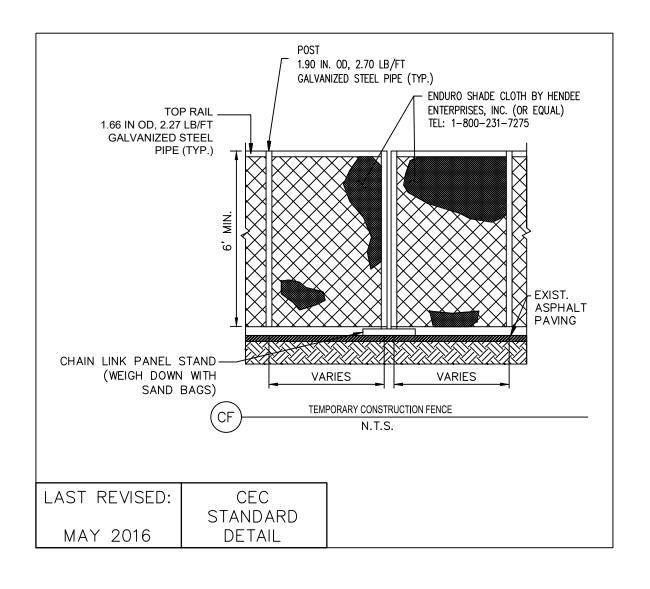
GRADING	LEGEND

	PROPERTY BOUNDARY LINE
	PROPOSED SAWCUT LINE
<u> </u>	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
15.00	PROPOSED SPOT ELEVATION
TBC	PROPOSED TOP OF CURB ELEVATION
FL	PROPOSED FLOWLINE ELEVATION
FF	FINISHED FLOOR
FG	FINISHED GRADE
ME	MATCH EXISTING
2.00%	EXISTING SLOPE
2.00%	PROPOSED SLOPE
SD	EXISTING STORM MANHOLE
*	EXISTING STORM INLET





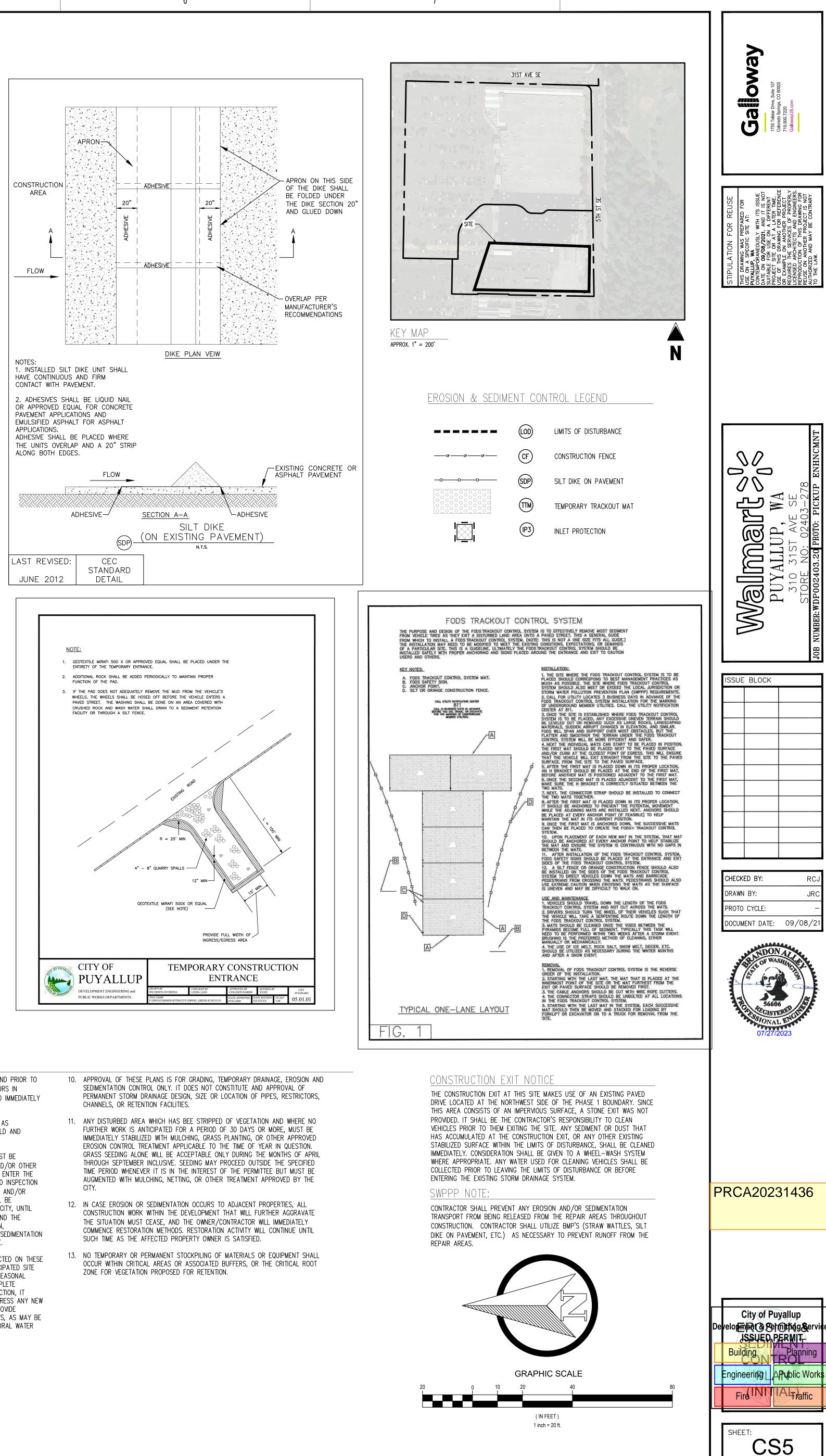


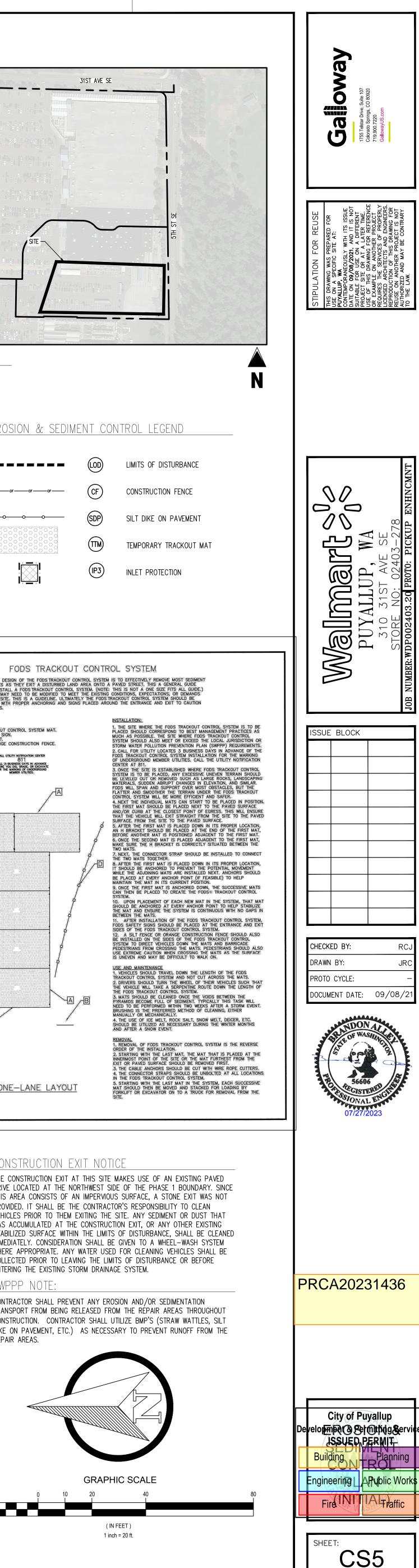


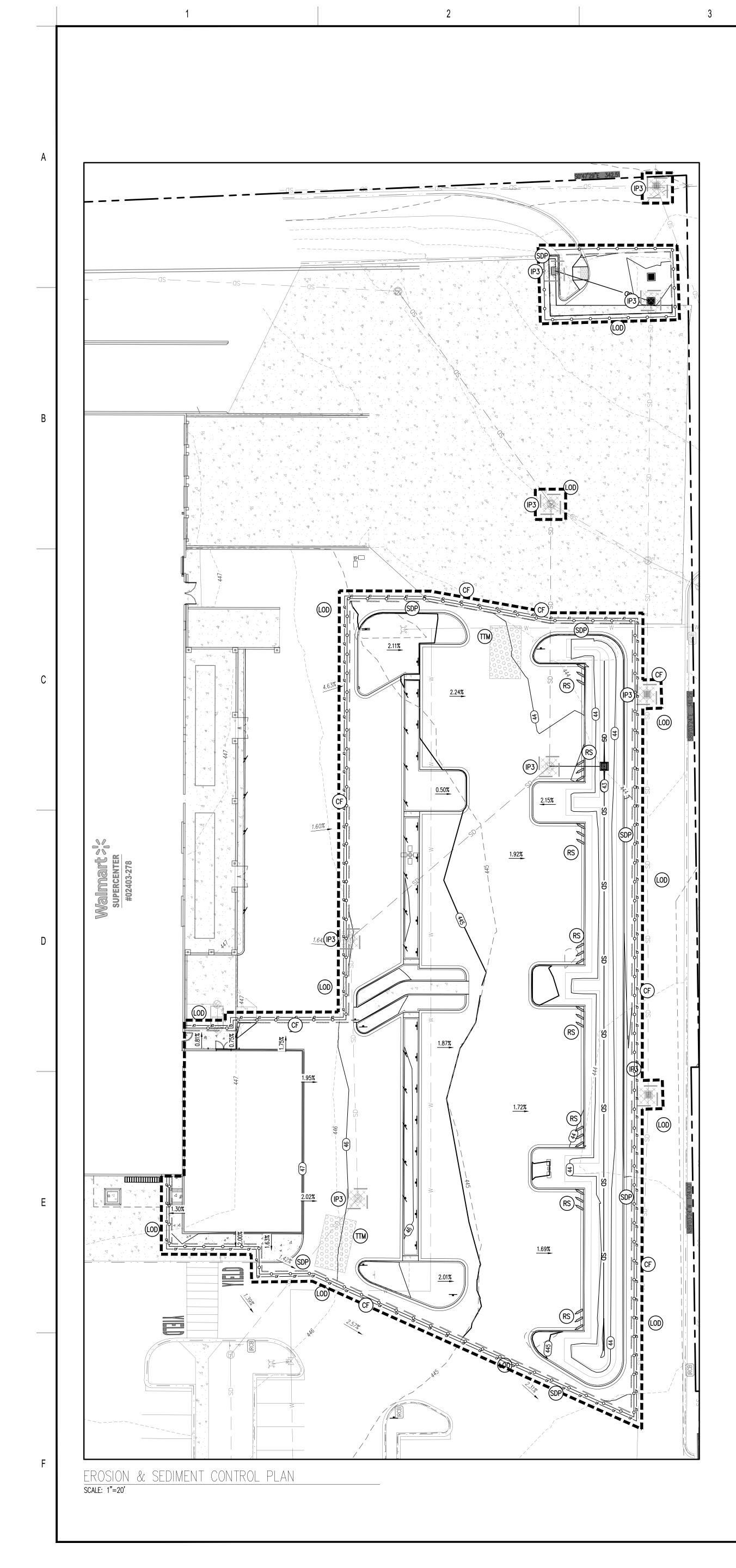
GRADING, EROSION AND SEDIMENTATION CONTROL NOTES:

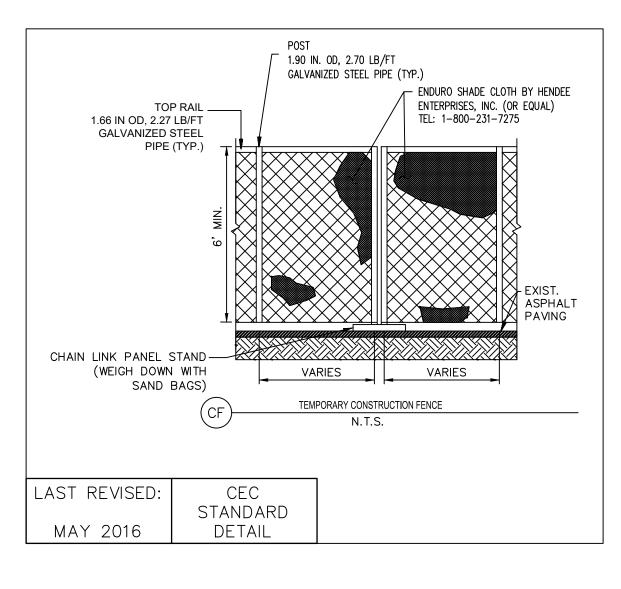
- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- 2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- 3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY ENGINEER PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.

- 6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKINGS DAYS HOURS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 7. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.
- 8. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AND INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.
- 9. THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITION DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE OBLIGATION AND RESPONSIBLY OF THE PERMITTEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THEIR ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.







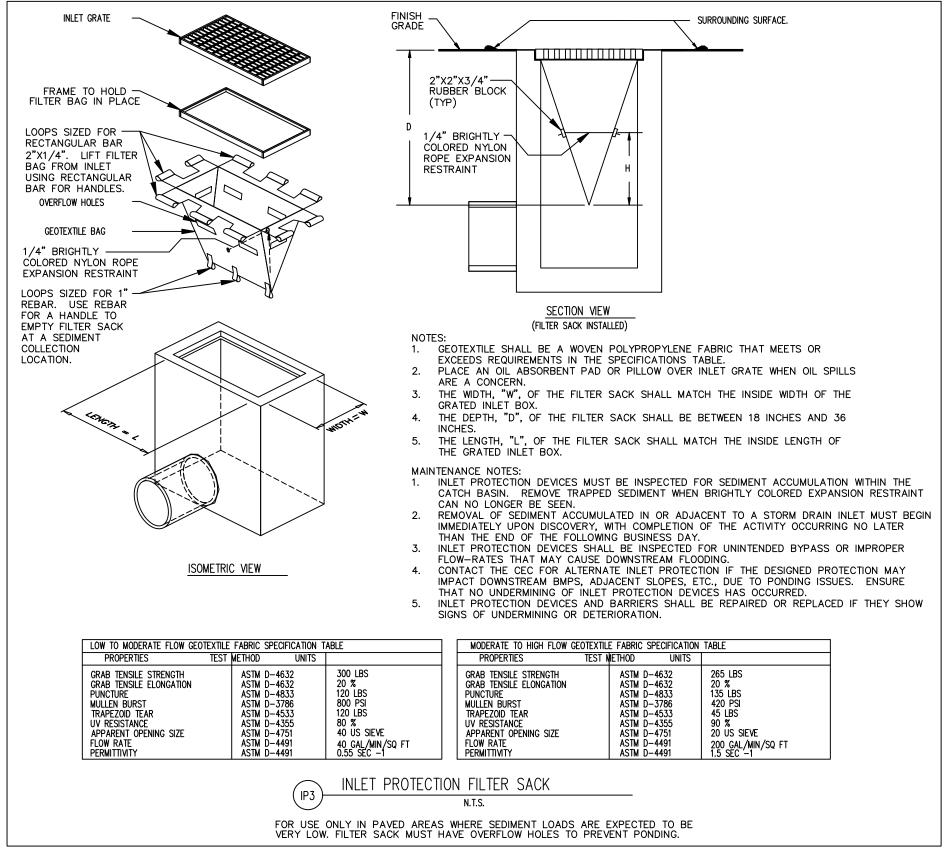


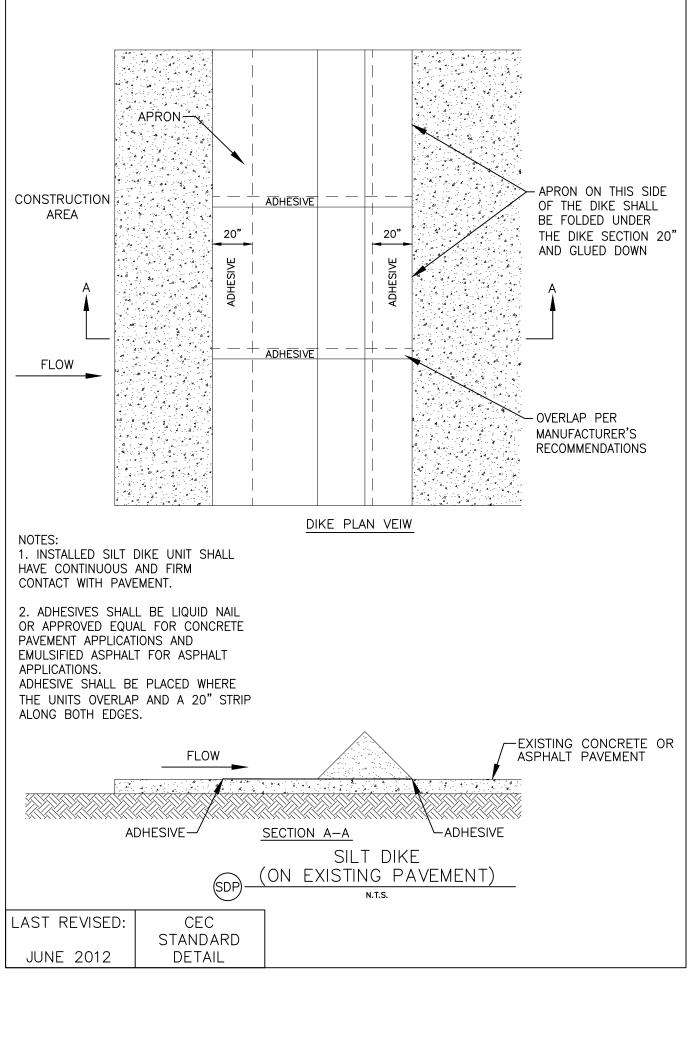


CONSTRUCTION AREA

FLOW

LAST REVISED: JUNE 2012





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EROSION & SEDIMENT CONTROL LEGEND

	LOD	LIMITS OF DISTURBA
	(IP3)	INLET PROTECTION
-00	SDP	SILT DIKE ON PAVE
CF CF CF	CF	CONSTRUCTION FEN
	TTM	TEMPORARY TRACKO
	RS	ROCK SOCKS

CONSTRUCTION EXIT NOTICE

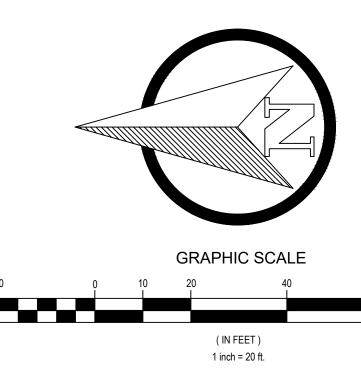
THE CONSTRUCTION EXIT AT THIS SITE MAKES USE OF AN EXISTING PAVED. DRIVE LOCATED AT THE NORTHWEST SIDE OF THE PHASE 1 BOUNDARY. SINCE THIS AREA CONSISTS OF AN IMPERVIOUS SURFACE, A STONE EXIT WAS NOT PROVIDED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CLEAN VEHICLES PRIOR TO THEM EXITING THE SITE. ANY SEDIMENT OR DUST THAT HAS ACCUMULATED AT THE CONSTRUCTION EXIT, OR ANY OTHER EXISTING STABILIZED SURFACE WITHIN THE LIMITS OF DISTURBANCE, SHALL BE CLEANED IMMEDIATELY. CONSIDERATION SHALL BE GIVEN TO A WHEEL-WASH SYSTEM WHERE APPROPRIATE. ANY WATER USED FOR CLEANING VEHICLES SHALL BE COLLECTED PRIOR TO LEAVING THE LIMITS OF DISTURBANCE OR BEFORE ENTERING THE EXISTING STORM DRAINAGE SYSTEM.

SWPPP NOTE:

CONTRACTOR SHALL PREVENT ANY EROSION AND/OR SEDIMENTATION TRANSPORT FROM BEING RELEASED FROM THE REPAIR AREAS THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL UTILIZE BMP'S (STRAW WATTLES, SILT DIKE ON PAVEMENT, ETC.) AS NECESSARY TO PREVENT RUNOFF FROM THE REPAIR AREAS.

<u>NOTE:</u>

REFERENCE COVER SHEET FOR IMPERVIOUS/PERVIOUS AREA AND LIMITS OF DISTURBANCE TABLE.



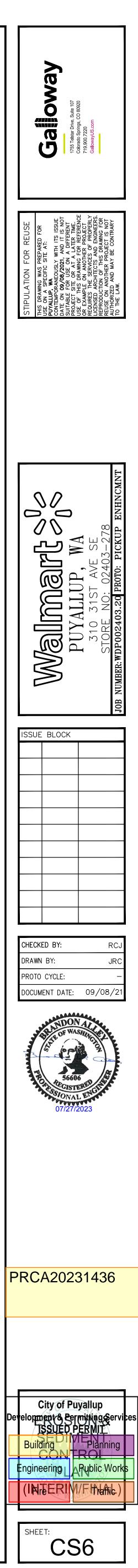


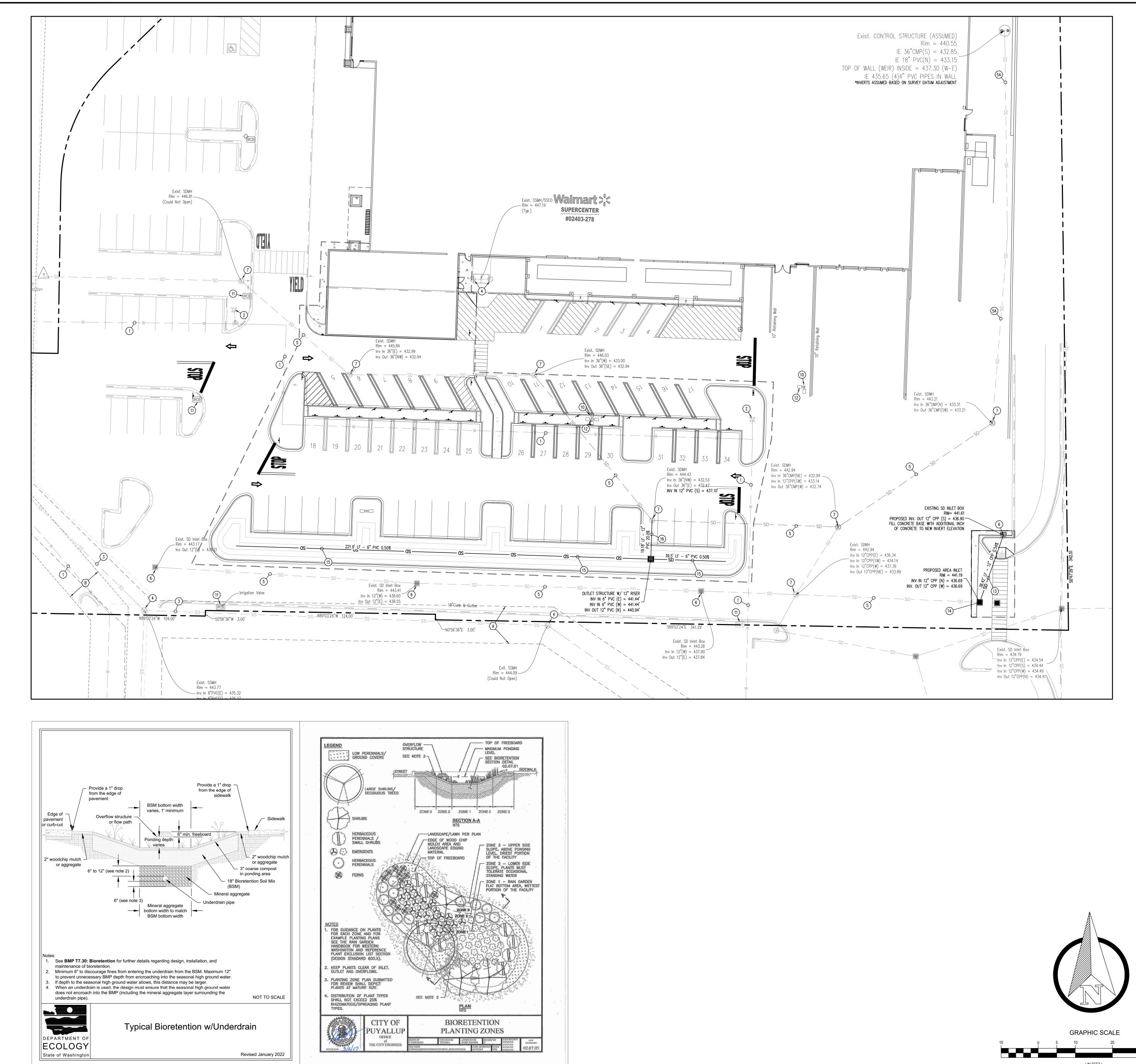
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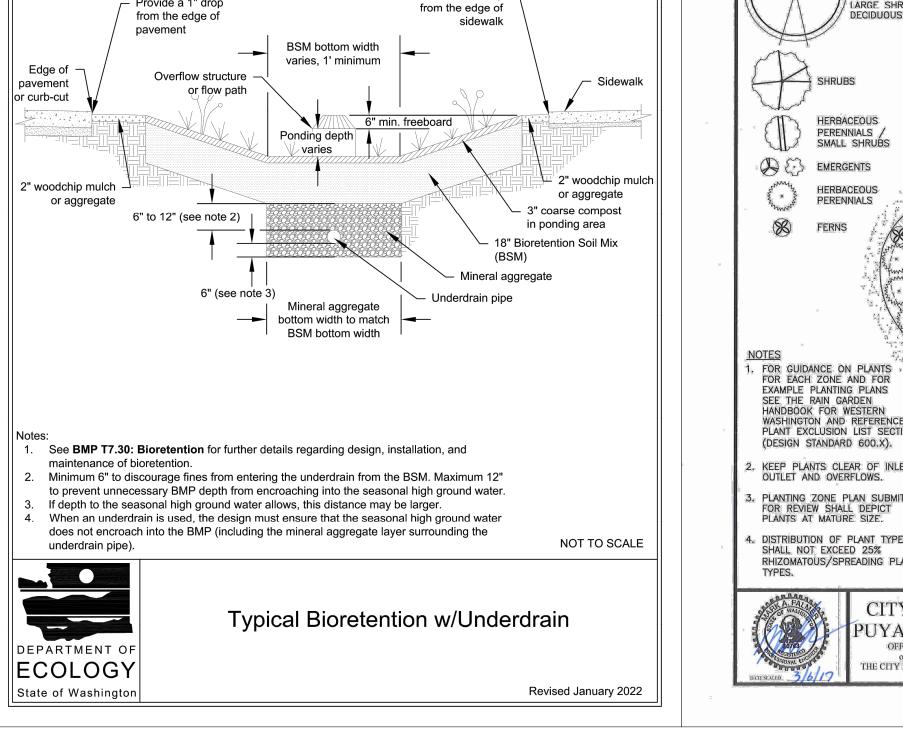
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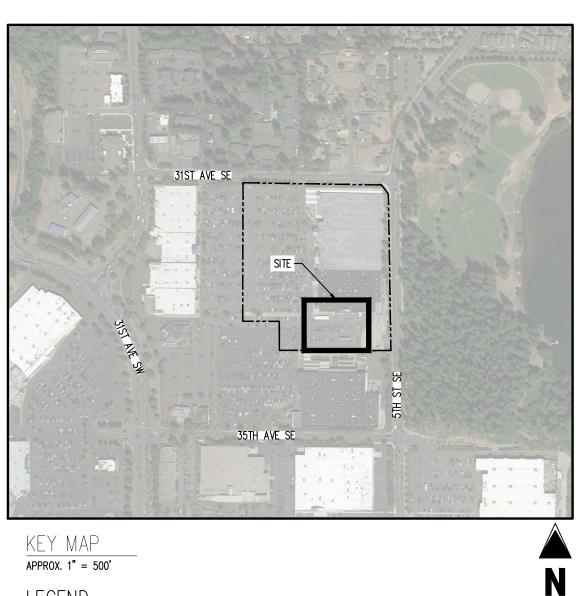
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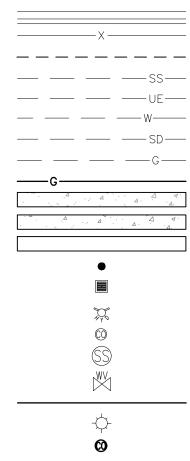








# LEGEND



-	EXISTING CURB AND GUTTER TO REMAIN
-	EXISTING FENCE/GAURDRAIL TO REMAIN
-	EXISTING EASEMENT
-	EXISTING SANITARY SEWER LINE TO REMAIN
-	EXISTING UNDERGROUND ELECTRIC LINE TO REMAIN
-	EXISTING WATER LINE TO REMAIN
-	EXISTING STORM SEWER LINE TO REMAIN
-	EXISTING GAS LINE TO REMAIN
-	PROPOSED GAS LINE
]	EXISTING CONCRETE PAVING TO REMAIN.
]	PROPOSED CONCRETE PAVING/SIDEWALK
]	EXISTING ASPHALT PAVING TO REMAIN
	EXISTING BOLLARD TO REMAIN
	EXISTING STORM INLET TO REMAIN
	EXISTING FIRE HYDRANT TO REMAIN
	EXISTING SANITARY SEWER CLEANOUT TO REMAIN
	EXISTING SANITARY SEWER MANHOLE TO REMAIN
	EXISTING WATER VALVE TO REMAIN
-	EXISTING WALMART BUILDING TO REMAIN
	EXISTING LIGHT POLE TO REMAIN
	PROPOSED STORM SEWER CLEANOUT

PROPOSED STORM LINE

### SCHEDULE 1 EXISTING WATER LINE TO REMAIN. (2)EXISTING FIRE HYDRANT TO REMAIN. EXISTING SANITARY SEWER LINE TO REMAIN. (4)EXISTING SANITARY SEWER MANHOLE TO REMAIN. (5)EXISTING STORM SEWER LINE TO REMAIN. EXISTING STORM SEWER TO REMAIN. (LOCATION ASSUMED PER RECORD DRAWING DUE TO BEING (5A) OUTSIDE SURVEY LIMITS) (6) EXISTING STORM INLET TO REMAIN. EXISTING STORM MANHOLE TO REMAIN. (8) EXISTING STORM INLET TO BE REMOVED. (9) EXISTING STORM LINE TO BE REMOVED. EXISTING SITE LIGHT TO BE REMOVED AND RELOCATED (REF. ELECTRICAL SHEET E1.2). (11)EXISTING IRRIGATION CONTROL BOX TO REMAIN. (12)RELOCATED SITE LIGHT PER PHOTOMETRIC PLANS (REF. ELECTRIC SHEET E1.2). PROPOSED 12" CPP STORM LINE. (14)PROPOSED CB TYPE 1 STORM INLET. PROPOSED 6" UNDERDRAIN, 12" OFFSET (REF. DETAIL, THIS SHEET). (16) PROPOSED 12" PVC STORM LINE.

EASEMENT SCHEDULE

- A 20' SANITARY EASEMENT (RECEPTION NO. 9502281042)
- B 20' WATERLINE EASEMENT (RECEPTION NO. 9610150317)

NOTE: LENGTHS OF STORM/SANITARY SEWER ARE THE HORIZONTAL DISTANCES FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED. THEREFORE, LENGTHS SHOWN ARE APPROXIMATE AND COULD VARY DUE TO VERTICAL ALIGNMENT AND STRUCTURE WIDTHS. SURVEYOR TO OBTAIN AUTOCAD FILE FROM ENGINEER AND VERIFY ALL HORIZONTAL CONTROL DIMENSIONING PRIOR TO CONSTRUCTION STAKING. SURVEYOR MUST VERIFY ALL BENCHMARK, BASIS OF BEARING AND DATUM INFORMATION TO ENSURE IMPROVEMENTS WILL BE AT THE SAME HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DESIGN CONSTRUCTION DRAWINGS. PRIOR TO CONSTRUCTION STAKING ANY DISCREPANCY MUST BE REPORTED TO OWNER AND ENGINEER PRIOR TO CONTINUATION OF ANY FURTHER STAKING OR CONSTRUCTION WORK. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL INFORMATION FOR FINAL ACCEPTANCE OF WORK FOR ANY LOCAL, STATE OR FEDERAL AGENCY, UTILITY DISTRICT OR ANY OTHER AGENCY OR DISTRICT HAVING APPROVAL AUTHORITY OVER WORK. THIS INFORMATION MAY INCLUDE, BUT IS NOT LIMITED TO, AS-BUILT PLANS, CERTIFICATIONS, INSPECTIONS AND REPORTS. NOTE: CONTRACTOR MUST COORDINATE WORK WITH UTILITY COMPANY A BEGINNING WORK AND IS RESPONSIBLE FOR ALL MATERIALS, LABOR, REP COMPLETE WORK AND RESTORE AREA TO SAME STATE PRIOR TO STARTI NOTE: CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTA SHALL HAVE LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBE THEIR COST. UNLESS OTHERWISE NOTED, CONTRACTOR TO PROTECT LANDSCAPING IN MATCH IF DISTURBED. CONTRACTOR TO CAP AND REINSTALL IRRIGATION MAINTAIN IRRIGATION TO EXISTING LANDSCAPING.

CONTRACTOR RESPONSIBLE FOR AS-BUILT DRAWINGS, TESTS, REPORTS A CERTIFICATES OR INFORMATION AS REQUIRED FOR ACCEPTANCE OF WORK DISTRICTS OR ANY OTHER GOVERNING AGENCY.

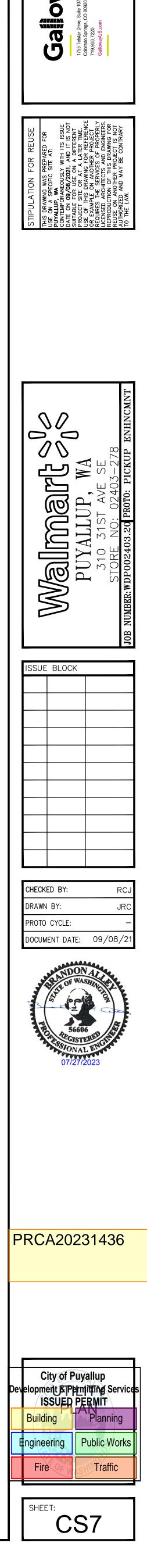
BENCHMARK SITE BENCHMARK: ELEVATION = 445.61' NAVD88, SET MAG NAIL

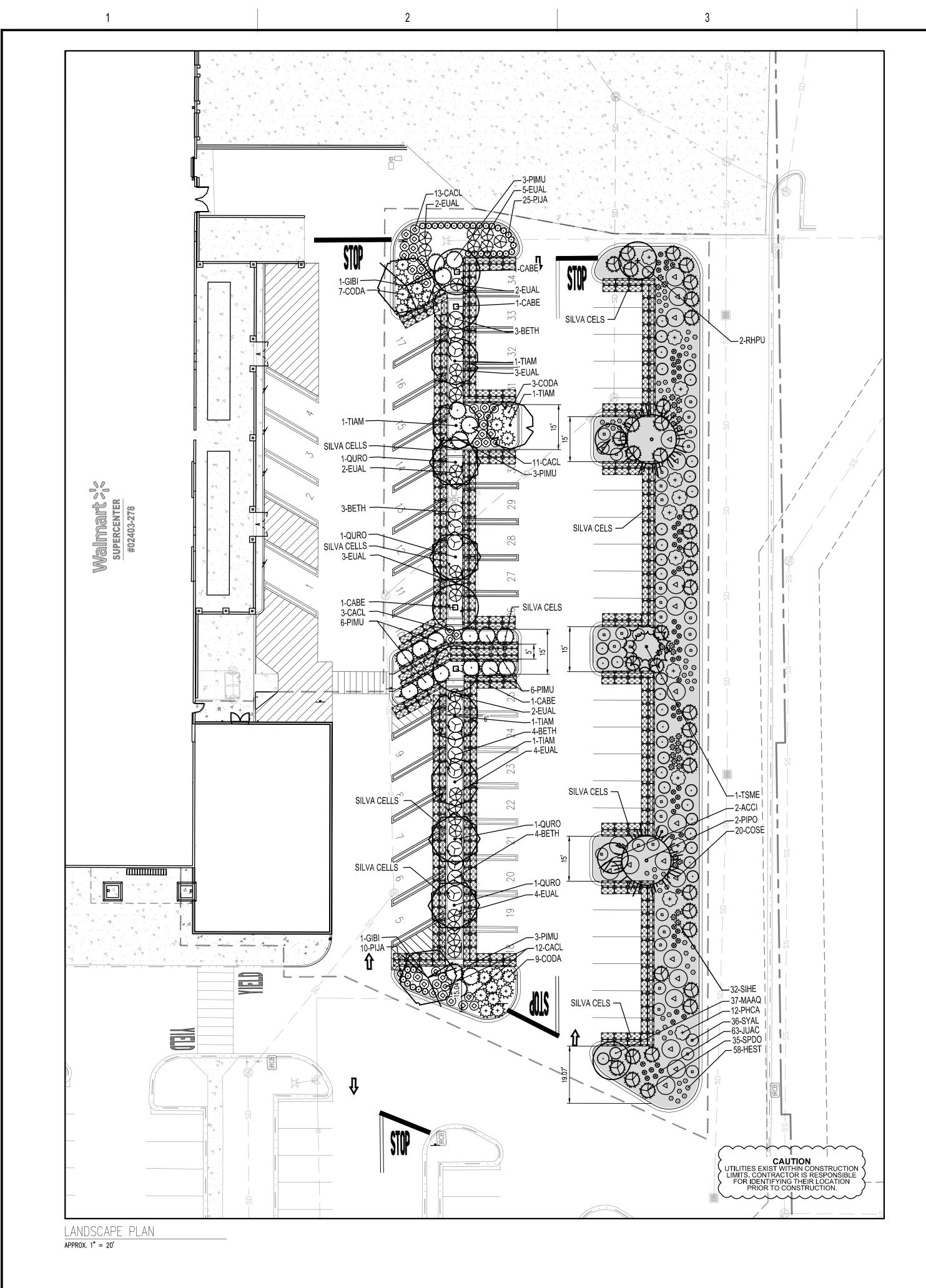
CAUTION - NOTICE TO CONTRACTOR I. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SUF CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR P SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT A THE ENGINEER PRIOR TO CONSTRUCTION.

WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY. IT IS THE RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOC EXISTING UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.

THE APPROPRIATE SURVEY AND IS TO BE TOR'S RESPONSIBILITY PRIVATE, WHETHER ANY DISCREPANCIES TO
HE CONTRACTOR'S DCATION OF SUCH THOD. REPORT

AND CITY PRIOR TO EPAIRS, ETC. TO TING WORK
TATION. CONTRACTOR BED MONUMENTATION AT
I PLACE AND REPLACE TO N AS NECESSARY TO
AND/OR ANY OTHER RK FROM CITY, UTILITY





LANDSCAPE CALCULATION TABLE

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REQUIREMENT	REQUIRED	PROVIDED
PERIMETER LANDSCAPE ISLANDS	12' WIDE 200 SF 1 TREE	12' WIDE 200 SF 1 TREE
INTERNAL LANDSCAPE ISLANDS	15' WIDE 500 SF 2 TREES	15' WDE 500 SF 2 TREES
HEAD TO HEAD PARKING LANDSCAPE	5' WIDE 1 TREE PER 20 LF	5' WDE 12 TREES FOR 237 LF
COVERAGE	90% AFTER 3 YEARS	90% OF 8,246 SF = 7,422 SF OF COVERAGE, SEE PLANTING LEGEND

	ECIDU										
	4	CABE	CARPINUS BETULUS 'FASTIGIATA'	PYRAMIDAL EUROPEAN HORNBEAM	2" CAL. B&B	35'X25'	М		NO	5'	SUN
/	2	QURO	QUERCUS ROBUR 'FASTIGIATA'	COLUMNAR ENGLISH OAK	2" CAL. B&B	40'X20'	М		NO	6'	SUN
$\mathbf{N}$	5	ΠΑΜ	TILIA AMERICANA 'BOULEVARD'	AMERICAN LINDEN	2" CAL. B&B	50'X25'	L/M		NO	5'	SUN
	4	ULFR	ULMUS 'FRONTIER'	FRONTIER ELM	2" CAL. B&B	40'X30'	М		NO	6.5'	SUN
	ECIDU	JOUS SH									
		BETH	BERBERIS THUNBERGII 'ATROPURPUREA NANA'	CRIMSON PYGMY BARBERRY	#5 CONT. 18-24"	4'X4'	М	280	NO	N/A	SUN/PART
	39	CACL	CARYOPTERIS X CLANDONENSIS	BLUE MIST SPIREA	#5 CONT. 18-24"	3'X3'	VL	585	NO	N/A	SHADE SUN
		EUAL	EUONYMUS ALATUS 'COMPACTA'	DWARF BURNING BUSH	#5 CONT. 18-24"	5'X4'	L/M	540	NO	N/A	SUN/PAR SHADE
E∖	VERGF	REEN SI	HRUBS								
	19	CODA	COTONEASTER DAMMERI 'CORAL BEAUTY'	CORAL BEAUTY COTONEASTER	#5 CONT. 18-24"	1'X5'	М	380	NO	N/A	SUN/PAR SHADE
	21	PIMU	PINUS MUGO 'MOPS'	MOPS MUGO PINE	#5 CONT. 18-24"	5'X6'	L	735	NO	N/A	SUN
	35	PIJA	PIERIS JAPONICA 'MOUNTAIN FIRE'	MOUNTAIN FIRE PIERIS	#5 CONT. 18-24"	2'X2'	М	280	NO	N/A	SUN
то	DTAL MAT	TURE COV	ERAGE:					7,422 SF			
MI	ISC	1	T		1	1		1	I		
2,8	,893 SF		ROCK COBBLE MULCH	2"-4" ROCK COBBLE MULCH WITH WOOD MULCH RING AROUND ALL PLANT MATERIAL, SEE PLANTING NOTES & DETAILS	MULCH		N/A		N/A	N/A	N/A
	AS IEEDED	,	WOOD MULCH	DARK BROWN SHREDDED HARDWOOD MULCH	MULCH		N/A		N/A	N/A	N/A
NE 20	206 CY	ETENT	TOPSOIL	SEE TOPSOIL NOTE ON SHEET L1.1	SOIL		N/A	MATURE		MINIMUM	N/A
NE 20 BI	206 CY	LEGEND	ION PLANTING LEGEND	SEE TOPSOIL NOTE ON SHEET L1.1	SOIL PLANTING SIZE (MINIMUM)	MATURE SIZE			NATIVE TO		
	206 CY	LEGEND	ION PLANTING LEGEND		PLANTING SIZE		WATER USE	COVERAGE	NATIVE TO PUGET SOUND	MINIMUM PLANTER STRIP	
	206 CY IO RE QTY REES	LEGEND	ION PLANTING LEGEND		PLANTING SIZE		WATER USE	COVERAGE	NATIVE TO PUGET SOUND	MINIMUM PLANTER STRIP	SUN/SHAE
	206 CY IO RE QTY REES 2	LEGEND ABBREV	ION PLANTING LEGEND	COMMON NAME	PLANTING SIZE (MINIMUM)	SIZE	WATER USE (VL,L,M,H)	COVERAGE (SF)	NATIVE TO PUGET SOUND REGION	MINIMUM PLANTER STRIP WIDTH PER VMS	SUN/SHAD
 	206 CY IO RE QTY REES 2 1	LEGENE ABBREV	ION PLANTING LEGEND	COMMON NAME PONDEROSA PINE	PLANTING SIZE (MINIMUM) 6' HEIGHT B&B	SIZE 60'X30'	WATER USE (VL,L,M,H) M	COVERAGE (SF) 188	NATIVE TO PUGET SOUND REGION YES	MINIMUM PLANTER STRIP WIDTH PER VMS	SUN/SHAD
	206 CY IO RE QTY REES 2 1 2	LEGEND ABBREV PIPO TSME	ION PLANTING LEGEND         O         BOTANIC NAME         PINUS PONDEROSA         TSUGA MERTENSIANA	COMMON NAME PONDEROSA PINE MOUNTAIN HEMLOCK	PLANTING SIZE (MINIMUM) 6' HEIGHT B&B 6' HEIGHT B&B	SIZE 60'X30' 30'X15'	WATER USE (VL,L,M,H) M M	COVERAGE (SF) 188 50	NATIVE TO PUGET SOUND REGION YES YES	MINIMUM PLANTER STRIP WIDTH PER VMS 10' 6'	SUN/SHAI
	206 CY IO RE QTY REES 2 1 2 2	LEGENE ABBREV PIPO TSME ACCI	ION PLANTING LEGEND         D         BOTANIC NAME         PINUS PONDEROSA         TSUGA MERTENSIANA         ACER CIRCINATUM         RHAMNUS PURSHIANA	COMMON NAME PONDEROSA PINE MOUNTAIN HEMLOCK VINE MAPLE	PLANTING SIZE (MINIMUM) 6' HEIGHT B&B 6' HEIGHT B&B 2" CAL. B&B	SIZE 60'X30' 30'X15' 15'X10'	WATER USE (VL,L,M,H) M M M	COVERAGE (SF) 188 50 N/A	NATIVE TO PUGET SOUND REGION YES YES YES	MINIMUM PLANTER STRIP WIDTH PER VMS 10' 6' 4'	SUN/SHAI
	206 CY IO RE QTY REES 2 1 2 2 ECIDU	LEGENE ABBREV PIPO TSME ACCI RHPU	ION PLANTING LEGEND         D         BOTANIC NAME         PINUS PONDEROSA         TSUGA MERTENSIANA         ACER CIRCINATUM         RHAMNUS PURSHIANA	COMMON NAME PONDEROSA PINE MOUNTAIN HEMLOCK VINE MAPLE	PLANTING SIZE (MINIMUM) 6' HEIGHT B&B 6' HEIGHT B&B 2" CAL. B&B	SIZE 60'X30' 30'X15' 15'X10'	WATER USE (VL,L,M,H) M M M	COVERAGE (SF) 188 50 N/A	NATIVE TO PUGET SOUND REGION YES YES YES	MINIMUM PLANTER STRIP WIDTH PER VMS 10' 6' 4'	SUN/SHAT SUN/PAF SHADE SUN/PAF SHADE SUN/PAF SHADE
	206 CY IO RE QTY REES 2 1 2 2 ECIDU 20 12	LEGENE ABBREV PIPO TSME ACCI RHPU JOUS SH COSE PHCA	ION PLANTING LEGEND         D         D         BOTANIC NAME         PINUS PONDEROSA         TSUGA MERTENSIANA         ACER CIRCINATUM         RHAMNUS PURSHIANA         IRUBS         CORNUS SERICEA 'BAILEYI'         PHYSOCARPUS CAPITATUS	COMMON NAME  COMMON NAME  PONDEROSA PINE  MOUNTAIN HEMLOCK  VINE MAPLE  CASCARA  RED TWIG DOGWOOD  PACIFIC NINEBARK	PLANTING SIZE (MINIMUM)         6' HEIGHT B&B         6' HEIGHT B&B         2'' CAL. B&B         2'' CAL. B&B         2'' CAL. B&B         2'' CAL. B&B	SIZE 60'X30' 30'X15' 15'X10' 30'X15' 6'X6' 5'X5'	WATER USE (VL,L,M,H) M M M M L/M	COVERAGE (SF) 188 50 N/A N/A N/A 700 300	NATIVE TO PUGET SOUND REGION YES YES YES YES YES YES	MINIMUM PLANTER STRIP WIDTH PER VMS 10' 6' 4' 4' 4' 10'	SUN/SHAT SUN/SHAT SHADE SUN/PAF SHADE SUN/PAF SHADE SUN/PAF SHADE SUN/SHAT
	206 CY IO RE QTY REES 2 1 2 2 ECIDU 20 12 36	LEGENE ABBREV PIPO TSME ACCI RHPU JOUS SH COSE PHCA SYAL	ION PLANTING LEGEND         D         BOTANIC NAME         PINUS PONDEROSA         TSUGA MERTENSIANA         ACER CIRCINATUM         RHAMNUS PURSHIANA         IRUBS         CORNUS SERICEA 'BAILEYI'         PHYSOCARPUS CAPITATUS         SYMPHORICARPOS ALBUS	COMMON NAME	<ul> <li>PLANTING SIZE (MINIMUM)</li> <li>6' HEIGHT B&amp;B</li> <li>6' HEIGHT B&amp;B</li> <li>2'' CAL. B&amp;B</li> <li>2'' CAL. B&amp;B</li> <li>2'' CAL. B&amp;B</li> </ul>	SIZE 60'X30' 30'X15' 15'X10' 30'X15' 6'X6'	WATER USE (VL,L,M,H) M M M M L/M	COVERAGE (SF) 188 50 N/A N/A 700	NATIVE TO PUGET SOUND REGION YES YES YES YES YES	MINIMUM PLANTER STRIP WIDTH PER VMS 10' 6' 4' 4' 4'	SUN/SHAT SUN/PAR SHADE SUN/PAR SHADE SUN/PAR SHADE SUN/PAR SHADE SUN/SHAT
	206 CY IO RE QTY REES 2 1 2 2 2 ECIDU 20 12 36 VERGF	LEGENE ABBREV PIPO TSME ACCI RHPU JOUS SH COSE PHCA SYAL REEN SI	ION PLANTING LEGEND  D  D  D  D  D  D  D  D  D  D  D  D	COMMON NAME    PONDEROSA PINE  MOUNTAIN HEMLOCK  VINE MAPLE  CASCARA   RED TWIG DOGWOOD  PACIFIC NINEBARK SNOWBERRY	PLANTING SIZE (MINIMUM)         6' HEIGHT B&B         6' HEIGHT B&B         2" CAL. B&B         2" CAL. B&B         2" CAL. B&B         #5 CONT. 18-24"         #5 CONT. 18-24"         #5 CONT. 18-24"	SIZE 60'X30' 30'X15' 15'X10' 30'X15' 6'X6' 5'X5' 6'X4'	WATER USE (VL,L,M,H) M M M M L/M L/M L/M	COVERAGE (SF) 188 50 N/A N/A 700 300 720	NATIVE TO PUGET SOUND REGION YES YES YES YES YES YES YES YES	MINIMUM PLANTER STRIP WIDTH PER VMS 10' 6' 4' 4' 4' 4' N/A N/A N/A	SUN/SHAT SUN/SHAT SHADE SUN/PAF SHADE SUN/PAF SHADE SUN/SHAT SUN/SHAT SUN/SHAT
	206 CY IO RE QTY REES 2 1 2 2 ECIDU 20 12 36 VERGE 37	LEGENE ABBREV PIPO TSME ACCI RHPU JOUS SH COSE PHCA SYAL REEN SI MAAQ	ION PLANTING LEGEND	COMMON NAME  COMMON NAME  PONDEROSA PINE  MOUNTAIN HEMLOCK  VINE MAPLE CASCARA  RED TWIG DOGWOOD PACIFIC NINEBARK SNOWBERRY  COMPACT OREGON GRAPE HOLLY	PLANTING SIZE (MINIMUM)         6' HEIGHT B&B         6' HEIGHT B&B         2'' CAL. B&B         2'' CAL. B&B         2'' CAL. B&B         4'' CAL. B&B         *5 CONT. 18-24''         #5 CONT. 18-24''         #5 CONT. 18-24''         #5 CONT. 18-24''	SIZE 60'X30' 30'X15' 15'X10' 30'X15' 6'X6' 6'X6' 6'X4'	WATER USE (VL,L,M,H) M M M M M L/M L/M L/M	COVERAGE (SF) 188 50 N/A N/A N/A 700 300 720	NATIVE TO PUGET SOUND REGION YES YES YES YES YES YES YES YES YES	MINIMUM PLANTER STRIP WIDTH PER VMS 10' 6' 4' 4' 4' 4' N/A N/A N/A	SUN/SHAI
	206 CY IO RE QTY REES 2 1 2 2 ECIDU 20 12 36 VERGE 37	LEGENE ABBREV PIPO TSME ACCI RHPU JOUS SH COSE PHCA SYAL REEN SI	ION PLANTING LEGEND  D  D  D  D  D  D  D  D  D  D  D  D	COMMON NAME    PONDEROSA PINE  MOUNTAIN HEMLOCK  VINE MAPLE  CASCARA   RED TWIG DOGWOOD  PACIFIC NINEBARK SNOWBERRY	PLANTING SIZE (MINIMUM)         6' HEIGHT B&B         6' HEIGHT B&B         2" CAL. B&B         2" CAL. B&B         2" CAL. B&B         #5 CONT. 18-24"         #5 CONT. 18-24"         #5 CONT. 18-24"	SIZE 60'X30' 30'X15' 15'X10' 30'X15' 6'X6' 5'X5' 6'X4'	WATER USE (VL,L,M,H) M M M M L/M L/M L/M	COVERAGE (SF) 188 50 N/A N/A 700 300 720	NATIVE TO PUGET SOUND REGION YES YES YES YES YES YES YES YES	MINIMUM PLANTER STRIP WIDTH PER VMS 10' 6' 4' 4' 4' 4' N/A N/A N/A	SUN/SHAD
	206 CY IO RE QTY REES 2 1 2 2 ECIDU 20 12 36 VERGE 37 35 MERGE	LEGENE ABBREV PIPO TSME ACCI RHPU JOUS SH COSE PHCA SYAL REEN SI MAAQ SPDO	ION PLANTING LEGEND	COMMON NAME  COMMON NAME  PONDEROSA PINE  MOUNTAIN HEMLOCK  VINE MAPLE CASCARA  RED TWIG DOGWOOD PACIFIC NINEBARK SNOWBERRY  COMPACT OREGON GRAPE HOLLY	PLANTING SIZE (MINIMUM)         6' HEIGHT B&B         6' HEIGHT B&B         2'' CAL. B&B         2'' CAL. B&B         2'' CAL. B&B         4'' CAL. B&B         *5 CONT. 18-24''         #5 CONT. 18-24''         #5 CONT. 18-24''         #5 CONT. 18-24''	SIZE 60'X30' 30'X15' 15'X10' 30'X15' 6'X6' 6'X6' 6'X4'	WATER USE (VL,L,M,H) M M M M M L/M L/M L/M	COVERAGE (SF) 188 50 N/A N/A N/A 700 300 720	NATIVE TO PUGET SOUND REGION YES YES YES YES YES YES YES YES YES	MINIMUM PLANTER STRIP WIDTH PER VMS 10' 6' 4' 4' 4' 4' N/A N/A N/A	SUN/SHAE SUN/SHAE SUN/PAR SHADE SUN/PAR SHADE SUN/PAR SHADE SUN/SHAE SUN/SHAE SUN/SHAE SUN/SHAE SUN/SHAE
	206 CY IO RE QTY REES 2 1 2 2 ECIDU 20 12 36 VERGF 37 35 MERGE 63	LEGENE ABBREV PIPO TSME ACCI RHPU JOUS SH COSE PHCA SYAL REEN SI MAAQ SPDO ENTS JUAC	ION PLANTING LEGEND	COMMON NAME COMMON NAME PONDEROSA PINE MOUNTAIN HEMLOCK VINE MAPLE CASCARA CASCARA RED TWIG DOGWOOD PACIFIC NINEBARK SNOWBERRY COMPACT OREGON GRAPE HOLLY DOUGLAS SPIRAEA	PLANTING SIZE (MINIMUM)         6' HEIGHT B&B         6' HEIGHT B&B         2" CAL. B&B         2" CAL. B&B         2" CAL. B&B         4*5 CONT. 18-24"         #5 CONT. 18-24"	SIZE 60'X30' 30'X15' 15'X10' 30'X15' 6'X6' 6'X6' 6'X4' 3'X5' 5'X5'	WATER USE (VL,L,M,H) M M M M M L/M L/M L/M L/M L/M	COVERAGE (SF) 188 50 N/A N/A N/A 700 300 720 925 875	NATIVE TO PUGET SOUND REGION YES YES YES YES YES YES YES YES YES YES	MINIMUM PLANTER STRIP WIDTH PER VMS 10' 6' 4' 4' 4' N/A N/A N/A N/A N/A	SUN/SHAE SUN/SHAE SHADE SHADE SUN/PAR SHADE SUN/PAR SHADE SUN/SHAE SUN/SHAE SUN/SHAE SUN/SHAE SUN/SHAE SUN/PAR SHADE
	206 CY IO RE QTY REES 2 1 2 2 ECIDU 20 12 36 VERGE 37 35 MERGE 63 ERBAC	LEGENE ABBREV PIPO TSME ACCI RHPU JOUS SH COSE PHCA SYAL REEN SI MAAQ SPDO ENTS JUAC CEOUS	ION PLANTING LEGEND	COMMON NAME  COMMON NAME  PONDEROSA PINE  MOUNTAIN HEMLOCK  VINE MAPLE CASCARA  RED TWIG DOGWOOD PACIFIC NINEBARK SNOWBERRY  COMPACT OREGON GRAPE HOLLY DOUGLAS SPIRAEA  TAPER-TIPPED RUSH	PLANTING SIZE (MINIMUM)         6' HEIGHT B&B         6' HEIGHT B&B         2'' CAL. B&B         2'' CAL. B&B         2'' CAL. B&B         4''         #5 CONT. 18-24''         #1 CONT.	SIZE 60'X30' 30'X15' 15'X10' 30'X15' 6'X6' 6'X6' 3'X5' 3'X5' 5'X5' 18''X18''	WATER USE (VL,L,M,H) M M M M M L/M L/M L/M L/M L/M	COVERAGE (SF) 188 50 N/A N/A N/A 700 300 720 925 875 875	NATIVE TO PUGET SOUND REGION YES YES YES YES YES YES YES YES YES YES	MINIMUM PLANTER STRIP WIDTH PER VMS 10' 6' 4' 4' 4' 4' 10' 6' 4' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10	SUN/SHAE SUN/SHAE SUN/PAR SHADE SUN/PAR SHADE SUN/PAR SHADE SUN/SHAE SUN/SHAE SUN/SHAE SUN/SHAE SUN/SHAE SUN/PAR SHADE
	206 CY IO RE QTY REES 2 1 2 1 2 2 ECIDU 20 12 36 VERGF 37 35 MERGF 63 ERBAC 58	LEGENE ABBREV PIPO TSME ACCI RHPU COSE PHCA SYAL REEN SI MAAQ SPDO ENTS JUAC CEOUS HEST	ION PLANTING LEGEND         ION PLANTING LEGEND         Description       Botanic NAME         Description       Botanic NAME         Description       PINUS PONDEROSA         TSUGA MERTENSIANA       ACER CIRCINATUM         ACER CIRCINATUM       RHAMNUS PURSHIANA         IRUBS       CORNUS SERICEA 'BAILEYI'         PHYSOCARPUS CAPITATUS       SYMPHORICARPOS ALBUS         HRUBS       MAHONIA AQUIFOLIUM 'COMPACTA'         SPIRAEA DOUGLASSI       JUNCUS ACUMINATUS         PERENNIALS       HEMEROCALLIS 'STELLA D'ORO'	COMMON NAME  COMMON NAME  PONDEROSA PINE  MOUNTAIN HEMLOCK  VINE MAPLE CASCARA  CASCARA  RED TWIG DOGWOOD PACIFIC NINEBARK SNOWBERRY  COMPACT OREGON GRAPE HOLLY DOUGLAS SPIRAEA  TAPER-TIPPED RUSH  TAPER-TIPPED RUSH STELLA D'ORO DAYLILY	PLANTING SIZE (MINIMUM)         6' HEIGHT B&B         6' HEIGHT B&B         2" CAL. B&B         2" CAL. B&B         2" CAL. B&B         45 CONT. 18-24"         #5 CONT. 18-24"         #1 CONT.         #1 CONT.	SIZE 60'X30' 30'X15' 15'X10' 30'X15' 6'X6' 6'X6' 3'X5' 3'X5' 3'X5' 18''X18''	WATER USE (VL,L,M,H) M M M M M L/M L/M L/M L/M L/M L/M L/M	COVERAGE (SF) 188 50 N/A N/A N/A 700 300 720 925 875 875 315	NATIVE TO PUGET SOUND REGION YES YES YES YES YES YES YES YES YES YES	MINIMUM PLANTER STRIP WIDTH PER VMS 10' 6' 4' 4' 4' 4' 10' 10' 6' 4' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10	SUN/SHAE SUN/SHAE SUN/PAR SHADE SUN/PAR SHADE SUN/PAR SHADE SUN/SHAE SUN/SHAE SUN/SHAE SUN/SHAE SUN/SHAE SUN/PAR SHADE SUN/PAR SHADE
	206 CY IO RE QTY REES 2 1 2 2 ECIDU 20 12 36 VERGE 37 35 MERGE 63 ERBAC	LEGENC ABBREV PIPO TSME ACCI RHPU JOUS SH COSE PHCA SYAL MAAQ SPDO ENTS JUAC CEOUS HEST SIHE	ION PLANTING LEGEND	COMMON NAME  COMMON NAME  PONDEROSA PINE  MOUNTAIN HEMLOCK  VINE MAPLE CASCARA  RED TWIG DOGWOOD PACIFIC NINEBARK SNOWBERRY  COMPACT OREGON GRAPE HOLLY DOUGLAS SPIRAEA  TAPER-TIPPED RUSH	PLANTING SIZE (MINIMUM)         6' HEIGHT B&B         6' HEIGHT B&B         2" CAL. B&B         2" CAL. B&B         2" CAL. B&B         45 CONT. 18-24"         #5 CONT. 18-24"         #1 CONT.         #1 CONT.	SIZE 60'X30' 30'X15' 15'X10' 30'X15' 6'X6' 6'X6' 3'X5' 3'X5' 5'X5' 18''X18''	WATER USE (VL,L,M,H) M M M M M L/M L/M L/M L/M L/M	COVERAGE (SF) 188 50 N/A N/A N/A 700 300 720 925 875 875	NATIVE TO PUGET SOUND REGION YES YES YES YES YES YES YES YES YES YES	MINIMUM PLANTER STRIP WIDTH PER VMS 10' 6' 4' 4' 4' 4' 10' 6' 4' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10	SUN/SHAI

COMMON NAME

UTILITY NOTES

1. THE LANDSCAPE CONTRACTOR IS REQUIRED TO CONTACT THE COUNTY PUBLIC WORKS DEPARTMENT, AND ANY OTHER PUBLIC OR PRIVATE AGENCY NECESSARY FOR UTILITY LOCATION PRIOR TO ANY CONSTRUCTION.

2. THIS DRAWING IS A PART OF A COMPLETE SET OF BID DOCUMENTS, SPECIFICATIONS, ADDITIONAL DRAWINGS, AND EXHIBITS. UNDER NO CIRCUMSTANCES SHOULD THESE PLANS BE USED FOR CONSTRUCTION PURPOSES WITHOUT EXAMINING ACTUAL LOCATIONS OF UTILITIES ON SITE, AND REVIEWING ALL RELATED DOCUMENTS. 3. THE LOCATION OF THE ALL UNDERGROUND UTILITIES ARE LOCATED ON

THE ENGINEERING DRAWINGS FOR THIS PROJECT. THE MOST CURRENT REVISION IS HERE IN MADE PART OF THIS DOCUMENT. UNDERGROUND UTILITIES EXIST THROUGHOUT THIS SITE AND MUST BE LOCATED PRIOR TO ANY CONSTRUCTION ACTIVITY. WHERE UNDERGROUND UTILITIES EXIST, FIELD ADJUSTMENT MAY BE NECESSARY AND MUST BE APPROVED BY A REPRESENTATIVE OF THE OWNER. NEITHER THE OWNER NOR THE LANDSCAPE ARCHITECT ASSUMES ANY RESPONSIBILITY WHATSOEVER, IN RESPECT TO THE CONTRACTORS ACCURACY IN LOCATING THE INDICATED PLANT MATERIAL, AND UNDER

NO CIRCUMSTANCES SHOULD THESE PLANS BE USED WITHOUT REFERENCING THE ABOVE MENTIONED DOCUMENTS.

> Tree Removal / Replacement Chart Existing trees to be removed: 18 Proposed Trees: 22

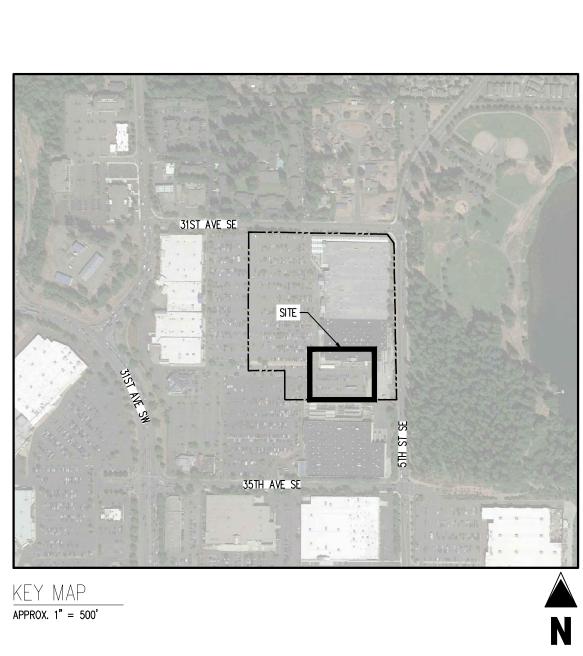
PLANTING LEGEND

DECIDUOUS TREES

+

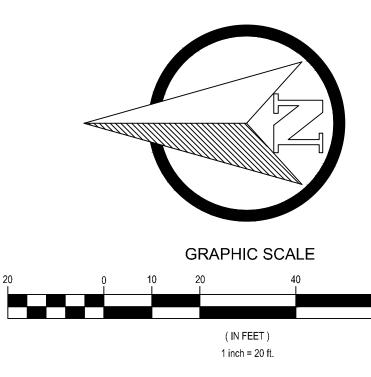
LEGEND QTY ABBREV. BOTANIC NAME

BEAM	2" CAL. B&B				REGION	WIDTH PER VMS	SUN/SHADE
BEAM	2" CAL. B&B						
		35'X25'	М		NO	5'	SUN
	2" CAL. B&B	40'X20'	М		NO	6'	SUN
	2" CAL. B&B	50'X25'	L/M		NO	5'	SUN
	2" CAL. B&B	40'X30'	М		NO	6.5'	SUN
	#5 CONT. 18-24"	4'X4'	М	280	NO	N/A	SUN/PART SHADE
	#5 CONT. 18-24"	3'X3'	VL	585	NO	N/A	SUN
	#5 CONT. 18-24"	5'X4'	L/M	540	NO	N/A	SUN/PART SHADE
२	#5 CONT. 18-24"	1'X5'	М	380	NO	N/A	SUN/PART SHADE
	#5 CONT. 18-24"	5'X6'	L	735	NO	N/A	SUN
	#5 CONT. 18-24"	2'X2'	М	280	NO	N/A	SUN
				7,422 SF			

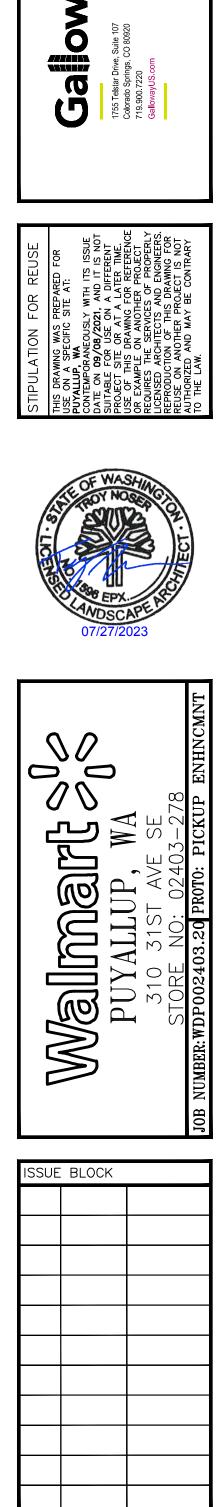


CAUTION - NOTICE TO CONTRACTOR 1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.

2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.







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09/08/21

City of Puyallup Development & Committing Services ISSUED RERMIT Public Work Engineering Traffic Fire SHEET: L1.0

PRCA20231436

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LAI	NTING NOTES
EN	ERAL
2.	ALL WORK SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL CODES, STANDARDS, AND SPECIFICATIONS. ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN TAKEOFFS AND QUANTITY CALCULATIONS FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT THE SPACING SHOWN. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE LANDSCAPE LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN SHALL TAKE PRECEDENCE AND NOTIFY THE LANDSCAPE ARCHITECT OF THESE DISCREPANCIES. MINOR ADJUSTMENTS TO THE LANDSCAPE MATERIAL AND LOCATIONS MAY BE PROPOSED FOR CITY CONSIDERATION AT THE CONSTRUCTION DOCUMENT STAGE TO RESPOND TO MARKET AND FIELD CONDITIONS. HOWEVER, THERE SHALL BE NO REDUCTION IN THE NUMBER AND SIZE OF MATERIALS.
	PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA 2) TO PROTECT OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION.
	THE CONTRACTOR SHALL TAKE EXTREME CARE NOT TO DAMAGE ANY EXISTING PLANTS INDICATED AS "TO REMAIN". ANY SUCH PLANTS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED WITH THE SAME SPECIES, SIZE, AND QUANTITY AT THE CONTRACTOR'S OWN EXPENSE, AND AS ACCEPTABLE TO THE OWNER. REFER TO THE TREE PROTECTION NOTES ON THE PLANS (AS APPLICABLE).
	LANDSCAPE CONTRACTOR SHALL EXAMINE THE SITE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND NOTIFY THE GENERAL CONTRACTOR IN WRITING OF UNSATISFACTORY CONDITIONS. IF SITE CONDITIONS OR PLANT AVAILABILITY REQUIRE CHANGES TO THE PLAN, THEN AN APPROVAL WILL BE OBTAINED FROM THE CITY. DO NOT PROCEED UNTIL CONDITIONS HAVE BEEN CORRECTED. ALL CONSTRUCTION DEBRIS AND MATERIAL SHALL BE REMOVED AND CLEANED OUT PRIOR TO INSTALLATION OF TOPSOIL, TREES, SHRUBS, AND TURF. FOR ALL INFORMATION ON SURFACE MATERIAL OF WALKS, DRIVES, AND PARKING LOTS, SEE THE SITE PLAN. SEE PHOTOMETRIC PLAN FOR FREE STANDING
	LIGHTING INFORMATION. ALL LANDSCAPE NOTES SHALL BE COORDINATED WITH ALL APPLICABLE SPECIFICATION SECTIONS. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH WORK.
•	THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT ONE WEEK PRIOR TO BEGINNING CONSTRUCTION. PICTURES OF ALL PLANT MATERIAL SHALL BE INCLUDED WITH SAMPLES OF OTHER LANDSCAPE MATERIALS TO THE LANDSCAPE ARCHITECTS AND OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION. WINTER WATERING SHALL BE AT THE EXPENSE OF THE CONTRACTOR UNTIL SUCH TIME AS FINAL ACCEPTANCE IS RECEIVED.
•	ALL LANDSCAPE CONSTRUCTION PRACTICES, WORKMANSHIP, AND ETHICS SHALL, BE IN ACCORDANCE WITH INDUSTRY STANDARDS. LANDSCAPE AND IRRIGATION WORK SHALL BE COMPLETED PRIOR TO THE ISSUANCE OF THE FINAL CERTIFICATE OF OCCUPANCY.
	SH GRADING AND SOIL PREPARATION CONTRACTOR SHALL CONSTRUCT AND MAINTAIN FINISH GRADES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL. SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GEOTECHNICAL REPORT, THE GRADING PLANS, THESE NOTES, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND OWNER.
	ALL LANDSCAPED AREAS ARE TO RECEIVE A MINIMUM OF 8" OF TOPSOIL. 4" OF TOPSOIL IS ALLOWED AS A TOPDRESSING IN EXISTING LANDSCAPE BEDS. SEE 2900 SPECIFICATION. AFTER FINISH GRADES HAVE BEEN ESTABLISHED, CONTRACTOR SHALL HAVE SOIL SAMPLES TESTED BY AN ESTABLISHED SOIL TESTING LABORATORY FOR THE
	FOLLOWING: GENERAL SOIL FERTILITY, pH, ORGANIC MATTER CONTENT, SALT (CEC), LIME, SODIUM ADSORPTION RATIO (SAR) AND BORON CONTENT. EACH SAMPLE SUBMITTED SHALL CONTAIN NO LESS THAN ONE QUART OF SOIL. CONTRACTOR SHALL ALSO SUBMIT THE PROJECT'S PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL SAMPLES. THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR THE FOLLOWING (AS APPROPRIATE): GENERAL SOIL PREPARATION AND BACKFILL MIXES, PRE-PLANT FERTILIZER APPLICATIONS, AND ANY OTHER SOIL RELATED ISSUES. THE REPORT SHALL ALSO PROVIDE A FERTILIZER PROGRAM FOR THE ESTABLISHMENT PERIOD AND FOR LONG-TERM MAINTENANCE.
	AT A MINIMUM, PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL, INCLUDING SOD, APPLY A MINIMUM OF 4 CUBIC YARDS OF SOIL AMENDMENT PRODUCT PER 1,000 SQUARE FEET OF PERMEABLE AREA. THIS SOIL AMENDMENT PRODUCT MUST BE INCORPORATED OR ROTOTILLED TO A DEPTH OF 4-6 INCHES. THE SITE MUST BE RAKED SMOOTH AND FINISH GRADES MUST BE ESTABLISHED. ROCKS AND DEBRIS OVER 1-INCH DIAMETER THAT MAY INTERFERE WITH PLANTING AND MAINTENANCE OPERATIONS MUST BE REMOVED. NTING REFER TO SPECIFICATIONS FOR INFORMATION NEEDED FOR IMPLEMENTATION OF PLANTING PLANS.
	ALL PLANT MATERIAL SHALL BE CONTAINER GROWN OR BALLED AND BUR LAPPED AS INDICATED IN THE PLANT LIST. ALL DECIDUOUS TREES SHALL HAVE A STRAIGHT TRUNK WITH FULL. WELL-SHAPED HEADS/ALL EVERGREENS SHALL HAVE A STRAIGHT TRUNK UNSHEARED AND
	ALL DECIDOOUS TREES SHALL HAVE A STRAIGHT FROM WITH FOLL, WELL-SHAPED HEADS/ALL EVERGREENS SHALL HAVE A STRAIGHT FROM ONSHEARED AND FULL TO THE GROUND; UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING. ALL PLANTS WITHIN A SPECIES SHALL HAVE SIMILAR SIZE AND SHALL BE HEALTHY, VIGOROUS, AND A FORM TYPICAL FOR THE SPECIES. ANY PLANT DEEMED UNACCEPTABLE BY THE LANDSCAPE ARCHITECT SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE CONTRACTOR'S OWN EXPENSE. ANY PLANTS APPEARING TO BE UNHEALTHY, EVEN IF DETERMINED TO STILL BE ALIVE, SHALL NOT BE ACCEPTED. THE LANDSCAPE ARCHITECT SHALL BE THE SOLE JUDGE AS TO THE ACCEPTABLITY OF PLANT MATERIAL.
•	AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION. ALL TREES MUST BE STAKED AS SHOWN IN THE DETAILS.
•	ALL PLANT MATERIALS SHALL BE TRUE TO TYPE, SIZE, SPECIES, QUALITY, AND FREE OF INJURY, BROKEN ROOT BALLS, PESTS, AND DISEASES, AS WELL AS CONFORM TO THE MINIMUM REQUIREMENTS DESCRIBED IN THE "AMERICAN STANDARD FOR NURSERY STOCK".
	CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING PER SPECIFICATIONS TO MAINTAIN HEALTHY PLANT CONDITIONS.
i.	ALL TREE AND SHRUB BED LOCATIONS ARE TO BE STAKED OUT ON SITE FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ALL TREES PLANTED ADJACENT TO PUBLIC AND/OR PEDESTRIAN WALKWAYS SHALL BE PRUNED CLEAR OF ALL BRANCHES BETWEEN GROUND AND A HEIGHT OF EIGHT (8) FEET FOR THAT PORTION OF THE PLAN LOCATED OVER THE SIDEWALK AND/OR ROAD.
	NO PLANT MATERIAL SHALL BE PLANTED PRIOR TO INSTALLATION OF TOPSOIL.
•	SHALL OVERLAP AT JOINTS A MINIMUM OF 6-INCHES, AND SHALL BE FASTENED WITH A MINIMUM OF 4 PINS PER EACH 10 FOOT SECTION. THE TOP OF ALL EDGING MATERIAL SHALL BE A ROLLED TOP AND 1/2 INCH ABOVE THE FINISHED GRADE OF ADJACENT LAWN OR MULCH AREAS. COLOR: BLACK.
	THE DEVELOPER, HIS SUCCESSOR, OR ASSIGNEE SHALL BE RESPONSIBLE FOR ESTABLISHING AND CONTINUING A REGULAR PROGRAM OF MAINTENANCE FOR ALL LANDSCAPED AREAS. SEE LANDSCAPE GUARANTEE AND MAINTENANCE NOTE.
	A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF ALL FIRE HYDRANTS. ALL GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS. OUTLOT AREA TO BE KEPT FREE OF JOB TRAILERS AND STORAGE AFTER THE CONTRACT MILESTONE DATE FOR THE OUTLOT. GENERAL CONTRACTOR TO PROVIDE CLEAR ACCESS FOR OUTLOT CONTRACTOR TO THE SPECIFIC PARCEL AT ALL TIMES AFTER MILESTONE DATE. PURCHASER OF OUTLOT TO PROVIDE PERMIT DOCUMENTS AND SWPPP REQUIRED BY STATE/LOCAL REQUIREMENTS FOR SPECIFIC OUTLOT.
	THIS PLAN IS TO BE IMPLEMENTED COOPERATIVELY WITH SWPPP PLAN, AS NEEDED, TO MAXIMIZE THE EFFECTIVENESS OF THE SWPPP PLAN FOR THIS SITE. THE CONTRACTOR IS ENCOURAGED TO COMPLETE TEMPORARY OR PERMANENT SEEDING OR SODDING IN STAGES FOR SOIL STABILIZATION AS AREAS ARE COMPLETED AFTER GRADING. THIS PLAN DOES NOT PRESENT ANY TEMPORARY STABILIZATION REQUIRED AS PART OF SWPPP PLAN.
-	ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION. LANDSCAPE CONTRACTOR TO SUBMIT SAMPLES OF MISCELLANEOUS LANDSCAPING MATERIALS TO THE LANDSCAPE ARCHITECTS AND OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION, IE.; MULCH, EDGER, LANDSCAPE FABRIC, ETC. TREE WRAP ON ALL TREES IN PARKING LOT FOR 1ST 3 YEARS, TREE WRAP REMOVED IN SPRING (MAY 21ST).
JL	CHING AFTER ALL PLANTING IS COMPLETE, THE CONTRACTOR SHALL INSTALL A MINIMUM 4" THICK LAYER OF MULCH AS SPECIFIED IN THE PLANTING LEGEND. INSTALL A 4" THICK RING OF SHREDDED HARDWOOD MULCH AROUND ALL PLANT MATERIAL IN ROCK MULCH BEDS WHERE LANDSCAPING IS SHOWN ON THE PLANS.
-	WOOD MULCH RINGS SHALL BE EQUAL TO THE DIAMETER OF THE CONTAINER OR EQUAL TO THE SPREAD OF THE PLANT, WHICHEVER IS GREATER. TREE WOOD MULCH RING SIZE SHALL BE INDUSTRY STANDARD WIDTH. ALL MULCH SHALL BE HARVESTED IN A SUSTAINABLE MANNER FROM A LOCAL SOURCE.
•	INSTALL WEED BARRIER FABRIC UNDER ALL ROCK MULCH SHRUB BEDS AND PARKING ISLANDS AS SPECIFIED ON THE PLANS ONLY. NO LANDSCAPE FABRIC SHALL BE USED IN WOOD MULCH AREAS. NO PLASTIC WEED BARRIERS SHALL BE SPECIFIED.
•	ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED. ALL PLANTING AREAS WITH LESS THAN A 4:1 GRADIENT SHALL RECEIVE A LAYER OF MULCH, TYPE AND DEPTH PER PLANS. SUBMIT 1 CUBIC FOOT SAMPLE OF MULCH (ONE SAMPLE PER TYPE) TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. THE MULCH SHALL BE SPREAD EVENLY THROUGHOUT ALL PLANTING AREAS EXCEPT SLOPES 4:1 OR STEEPER, OR AS OTHERWISE DENOTED ON THE PLAN. ABSOLUTELY NO EXPOSED GROUND SHALL REMAIN IN
	AREAS TO RECEIVE MULCH AFTER MULCH HAS BEEN INSTALLED. ALL PLANTING AREAS ON SLOPES OVER 4:1 SHALL RECEIVE COCONUT FIBER EROSION CONTROL NETTING FROM ROLLS. NETTING SHALL BE #CT-125, AS MANUFACTURED BY NORTH AMERICAN GREEN (OR EQUAL). INSTALL AND STAKE PER MANUFACTURER'S SPECIFICATIONS. SEE ALSO THE CIVIL ENGINEER'S EROSION CONTROL PLAN.
	NEW OR EXISTING TREE
	GRADE
	UB 24-2 ROOT BARRIER 2" MULCH, COMPACTED
	SECTION
	GRADE
	FEATHER EXCESS 4 4
	UB 24–2 ROOT BARRIER SOIL UNDER MULCH

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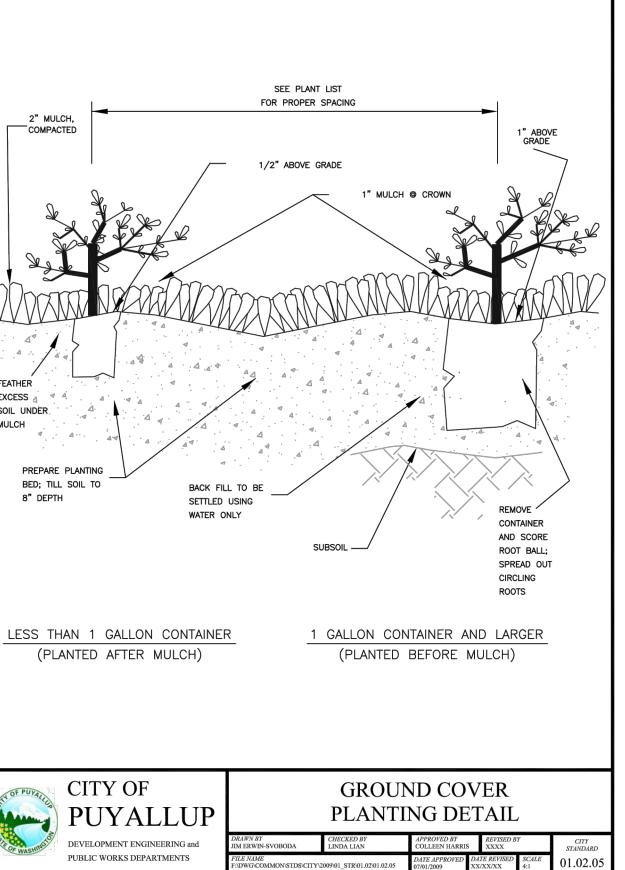
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- NOTES: 1. ROOT BARRIERS SHALL BE REQUIRED IN ALL STREET TREE PLANTING INSTALLATIONS WHETHER NEW OR EXISTING, WHEN STREET TREES ARE INSTALLED IN RIGHT-OF-WAY OR IN A PLANTING EASEMENT\*.
- 2. ROOT BARRIERS USED SHALL BE DeepRoot ROOT BARRIERS OR EQUIVALENT. 3. UB – 24 SHALL BE USED
- 4. ROOT BARRIERS SHALL BE INSTALLED IF REQUIRED BY THE CITY.

PUBLIC WORKS DEPARTMENTS

- 5. INSTALLATION OF ROOT BARRIERS TO BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. 6. THE PANEL SHALL BE INSTALLED SO THE VERTICAL RIBS FACE THE ROOTS OF THE TREE. A MINIMUM OF FOUR (4) PANELS SHALL BE INSTALLED ON EACH SIDE OF ROOT BALL FOR 8' OF PROTECTION. 7. FOR PRODUCT INFORMATION VISIT:
- http://www.deeproot.com/template.php?sec=products&nav=treeRoot&content=rb\_app&sub=2&lsel=1 \*"PLANTING EASEMENT" SHALL MEAN THAT PORTION OF LAND MADE AVAILABLE AS A PUBLIC EASEMENT FOR THE PURPOSE OF PLANTING AND MAINTAINING CITY STREET TREES. ALL STREET TREES PLANTED WITHIN A PLANTING EASEMENT SHALL BE PLANTED WITHIN THREE FEET OF RIGHT-OF-WAY.
- CITY OF **ROOT BARRIER DETAIL** PUYALLUP DEVELOPMENT ENGINEERING and

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1/2 DIAMETER OF ROOT BALL

<u>SECTION</u>

BEST FACE OF SHRUB/-GROUNDCOVER TO FACE FRONT OF PLANTING BED.

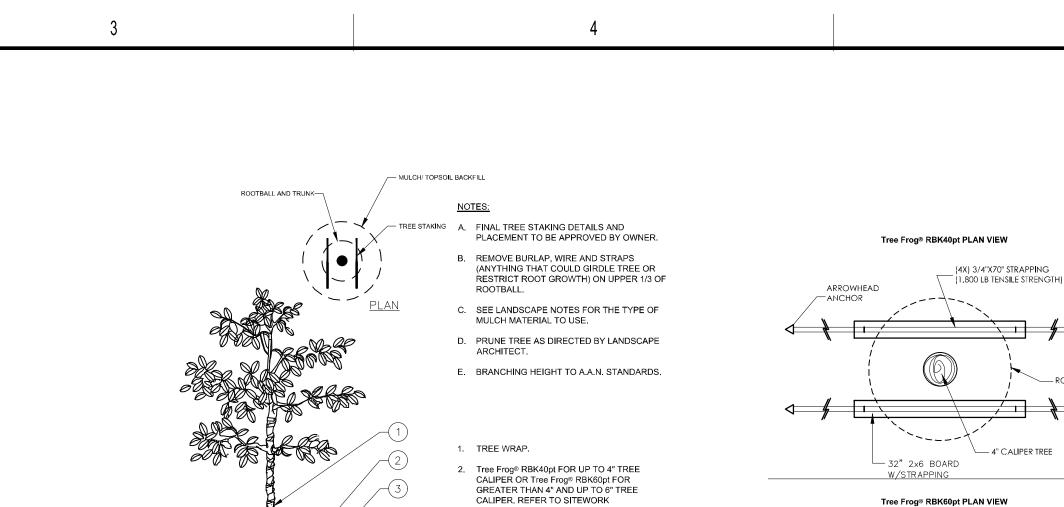
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<u>Plan</u>

REFER TO PLANT SCHEDULE FOR SPACING -----

TOP SOIL NOTE

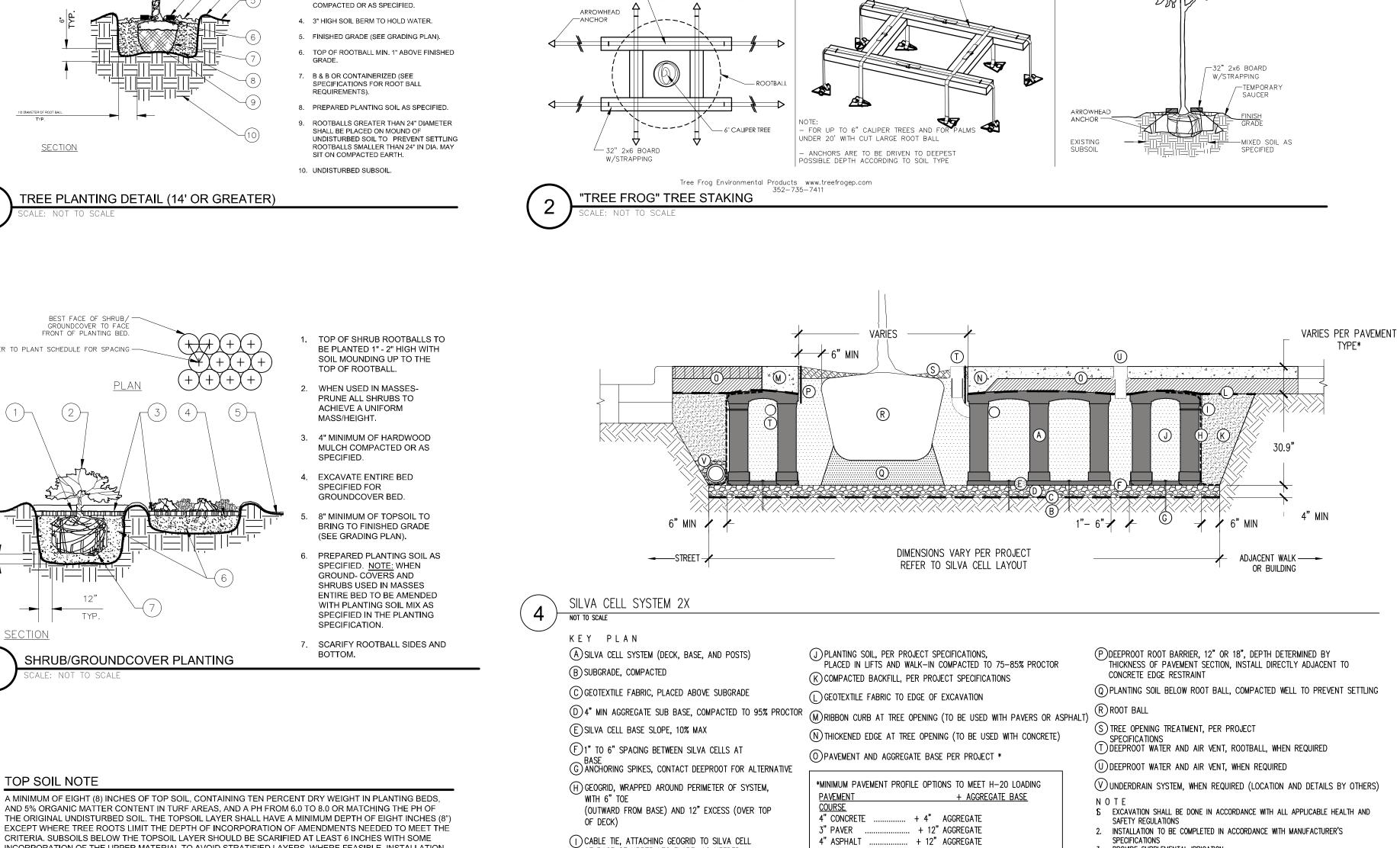
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SPECIFICATIONS FOR APPROVED MATERIALS

AND INSTALLATION REQUIREMENTS.

3. 4" MINIMUM OF HARDWOOD MULCH



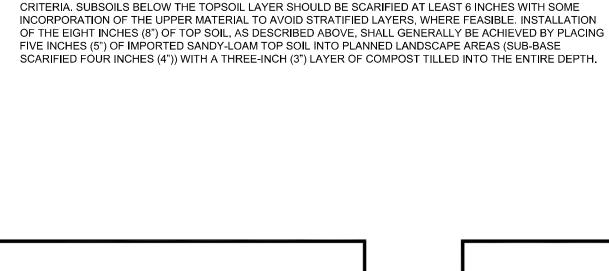
- ROOTBAL

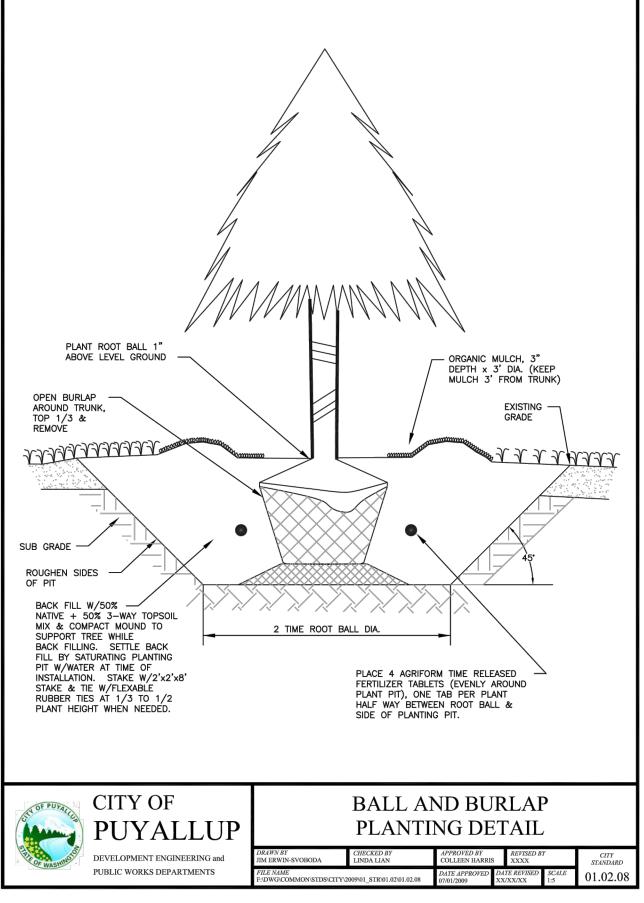
(8X) 3/4"X70" STRAPPING

(1,800 LB TENSILE STRENGTH)

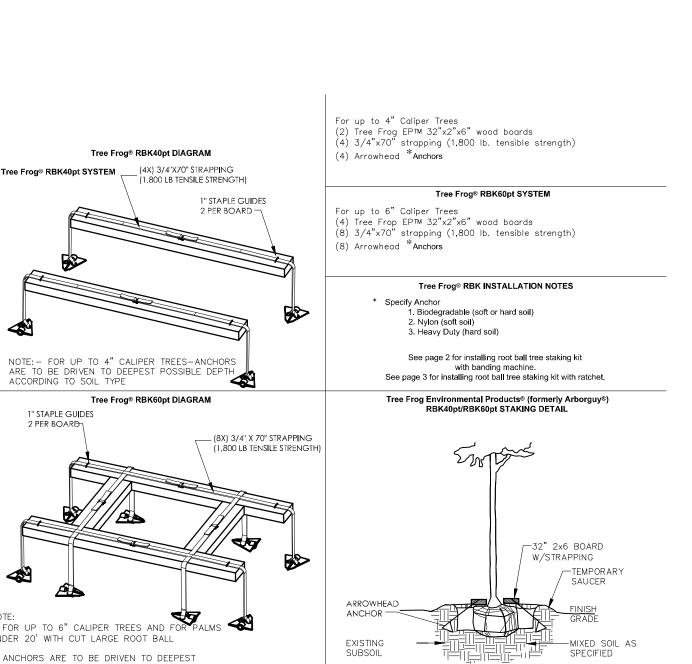
1" STAPLE GUIDES

2 PER BOARD





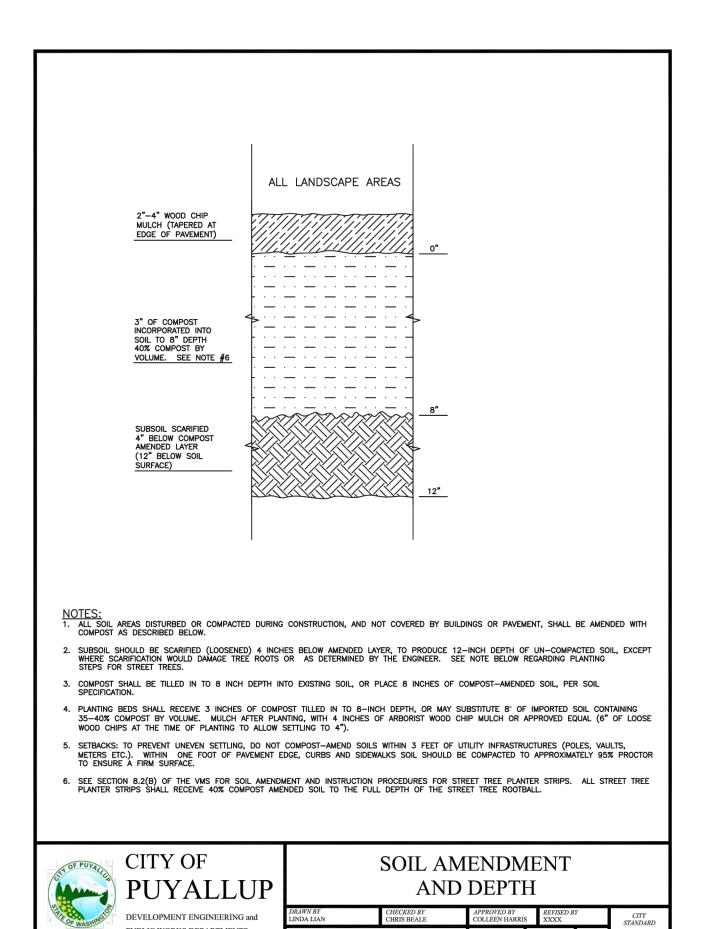
AT BASE OF UPPER LEG FLARE, AS NEEDED



ROFILE	OPTIONS	TO	MEET	H-20	LOADING

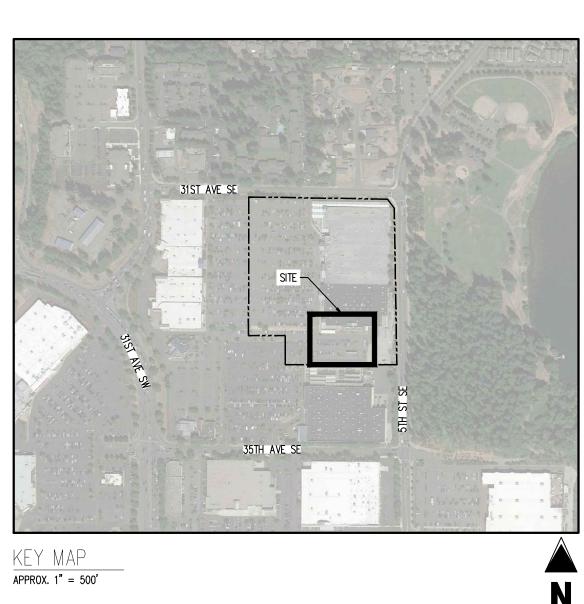
COURSE		
4" CONCRETE	+ 4"	AGGREGATE
3" PAVER	+ 12"	AGGREGATE
4" ASPHALT	+ 12"	AGGREGATE
2.6" PAVER	+ 5"	CONCRETE

- SPECIFICATIONS
- PROVIDE SUPPLEMENTAL IRRIGATION 4. DO NOT SCALE DRAWINGS



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PUBLIC WORKS DEPARTMENTS



OPERATIONS.

# TREE PROTECTION NOTES:

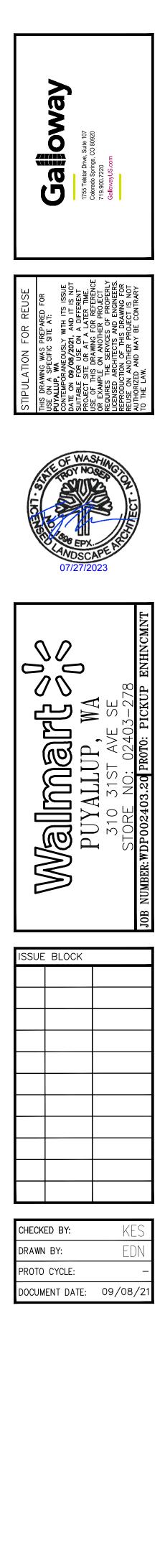
- 1. USE CITY OF PUYALLUP, WA TREE PROTECTION NOTES. TREE PROTECTION NOTES BELOW SHALL BE USED FOR FURTHER INTEGRATION.
- 2. "PROTECTED ZONE" FOR EXISTING TREES: BEFORE BEGINNING ANY DEMOTION OR CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL INSTALL TEMPORARY FENCING AROUND ALL EXISTING TREES WITHIN THE CONSTRUCTION ZONE THAT ARE TO BE SAVED. THE FENCE SHALL BE INSTALLED NO CLOSER TO THE TREE THAN THE EDGE OF THE TREE'S PROTECTED ZONE, GENERALLY DEFINED AS THE AREA BEGINNING FIVE FEET OUTSIDE OF THE TREE'S DRIPLINE AND EXTENDING TOWARDS THE TREE (OR AS FAR AWAY FROM THE TRUNK AS PRACTICABLE) THE FENCING SHALL BE OF A MATERIAL AND HEIGHT ACCEPTABLE TO THE LANDSCAPE ARCHITECT. ALL CONTRACTORS AND THEIR CREWS SHALL NOT BE ALLOWED INSIDE THIS "PROTECTED ZONE" NOR SHALL THEY BE ALLOWED TO STORE OR DUMP FOREIGN MATERIALS WITHIN THIS AREA. NO WORK OF ANY KIND, INCLUDING TRENCHING, SHALL BE ALLOWED WITHIN THE PROTECTED ZONE EXCEPT AS DESCRIBED BELOW. THE FENCING SHALL REMAIN AROUND EACH TREE TO BE SAVED UNTIL THE COMPLETION OF CONSTRUCTION
- 3. TEMPORARY MULCH: TO ALLEVIATE SOIL COMPACTION IN ANTICIPATED AREAS OF HIGH CONSTRUCTION TRAFFIC, AND ONLY WHERE FENCING CANNOT BE SET FIVE FEET OUTSIDE OF THE DRIPLINE, THE CONTRACTOR SHALL INSTALL A LAYER OF MULCH, 9"-12" THICK, OVER ALL EXPOSED EARTH FROM THE TREE TRUNK TO 5' OUTSIDE OF THE DRIPLINE. THIS LAYER SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. WHEN PLANTING OPERATIONS ARE COMPLETED, THE MULCH SHALL BE REDISTRIBUTED THROUGHOUT ALL PLANTING AREAS IN A 3" THICK "PERMANENT" MULCH LAYER.
- 4. NECESSARY WORK: WHEN IT BECOMES NECESSARY TO ENTER THE "PROTECTED ZONE", SUCH AS FOR FINE GRADING, IRRIGATION INSTALLATION, AND PLANTING OPERATIONS, THE CONTRACTOR SHALL STRICTLY ADHERE TO THE FOLLOWING RULES A. EVERY EFFORT SHALL BE MADE TO PRESERVE THE EXISTING GRADE AROUND PROTECTED TREES IN AS WIDE AN AREA AS POSSIBLE.
- B. TRENCHING WITHIN THE PROTECTED ZONE OF EXISTING TREES SHALL BE PERFORMED BY HAND, AND WITH EXTREME CARE NOT TO SEVER ROOTS 1-1/2" IN DIAMETER AND LARGER. WHERE ROOTS 1-1/2" IN DIAMETER AND LARGER ARE ENCOUNTERED, THE CONTRACTOR SHALL TUNNEL UNDER SAID ROOTS. EXPOSED ROOTS THAT HAVE BEEN TUNNELED UNDER SHALL BE WRAPPED IN WET BURLAP AND KEPT MOIST WHILE THE TRENCH IS
- C. WHERE ROOTS 1-1/2" IN DIAMETER OR LARGER MUST BE CUT DUE TO EXTENSIVE GRADE CHANGES, THOSE ROOTS MUST BE EXPOSED BY HAND DIGGING AND CUT CLEANLY. RAGGED CUTS GENERALLY DO NOT HEAL PROPERLY, AND MAY LEAVE THE TREE OPEN TO PESTS AND PATHOGENS.
- D. WHERE TRENCHING NEAR TREES HAS ALREADY OCCURRED FROM PREVIOUS CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO CONFINE HIS TRENCHING OPERATIONS TO THE PREVIOUSLY-CREATED TRENCHES, WHILE ADHERING TO THE CONDITIONS SET FORTH IN 3B.
- 4. POTENTIAL CONFLICTS: THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARBORIST SHOULD ANY POTENTIAL CONFLICTS ARISE BETWEEN THESE SPECIFICATIONS AND/OR LARGE ROOTS ENCOUNTERED IN THE FIELD, AND CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOT TAKE ANY ACTION IN SUCH CONFLICTS WITHOUT THE ARBORIST'S WRITTEN APPROVAL. THE ARBORIST SHALL HAVE FINAL AUTHORITY OVER ALL METHODS NECESSARY TO HELP ENSURE THE PROTECTION AND SURVIVAL OF EXISTING TREES.
- 5. PRUNING: PRUNE ONLY THE TREES THAT ARE INDICATED ON THE PLANS AS REQUIRING PRUNING. PRUNE TREES ACCORDING TO INTERNATIONAL SOCIETY OF ARBORICULTURE / ANSI A300 STANDARDS: A. REMOVE ALL DEAD WOOD.
- B. PRUNE LIVE WOOD FOR HEALTH OR STRUCTURAL REASONS ONLY, INCLUDING THE NEED TO ELIMINATE DISEASED OR DAMAGED GROWTH, ELIMINATE STRUCTURALLY UNSOUND GROWTH, REDUCE THE POTENTIAL FOR WIND TOPPLING OR WIND DAMAGE, OR TO MAINTAIN GROWTH WITHIN LIMITED SPACE. DO NOT REMOVE MORE THAN 25% OF ANY TREE'S LIVE FOLIAGE IN ANY ONE GROWING SEASON. PRUNE ONLY TO INTERNATIONAL SOCIETY OF ARBORICULTURE/ANSI A300 STANDARDS, AND ONLY UNDER THE DIRECT SUPERVISION OF A CERTIFIED ARBORIST.
- C. FINAL CUTS SHALL BE MADE JUST OUTSIDE THE SHOULDER RING AREA. EXTREMELY FLUSHED CUTS WHICH PRODUCE LARGE WOUNDS SHALL NOT BE MADE.
- D. ALL TRIMMING CUTS SHALL BE PERFORMED IN SUCH A MANNER AS TO PROMOTE THE NATURAL GROWTH AND SHAPE OF EACH TREE SPECIES.
- E. IMPROPER PRUNING METHODS INCLUDING, BUT NOT LIMITED TO, "TOPPING", "TIPPING", "HEADING BACK", "DEHORNING", AND "LIONTAILING" WILL NOT BE ALLOWED. THE CONTRACTOR SHALL PAY FOR ALL WORK NECESSARY TO CORRECT SUCH PRUNING WHEN PERFORMED BY HIS CREWS OR SUBCONTRACTORS.
- F. SHOULD THE CONTRACTOR REQUIRE MORE INFORMATION, THE CONTRACTOR SHALL CONTACT THE ISA AT (217) 355-9411 FOR A COPY OF THE ANSI A300 PRUNING STANDARDS. CONTRACTOR SHALL ADHERE TO THE METHODS AND PRACTICES SET FORTH IN THIS DOCUMENT.

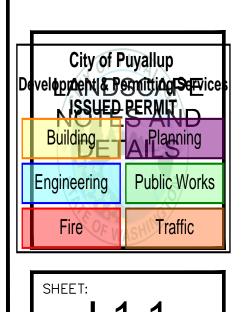
### 6. LANDSCAPE AND IRRIGATION (NATIVE TREES ONLY): ANY FUTURE LANDSCAPE AND IRRIGATION SHOULD ADHERE TO THE FOLLOWING GUIDELINES: A. NO IRRIGATION OR PLANTING SHOULD OCCUR CLOSER THAN 8'-10' FROM THE TRUNK.

B. WHERE IRRIGATION DOES OCCUR WITHIN THE PROTECTED ZONE, DRIP IRRIGATION SHOULD BE USED WHEREVER POSSIBLE. ADDITIONALLY, ONLY PLANTS WITH LOW WATER NEEDS SHOULD BE PLANTED WITHIN THE PROTECTED ZONE, SPACED FAR APART WHERE CLOSE TO THE TREE. PLANTS MAY BE SPACED CLOSER TOGETHER NEAR THE EDGE OF THE PROTECTED ZONE.

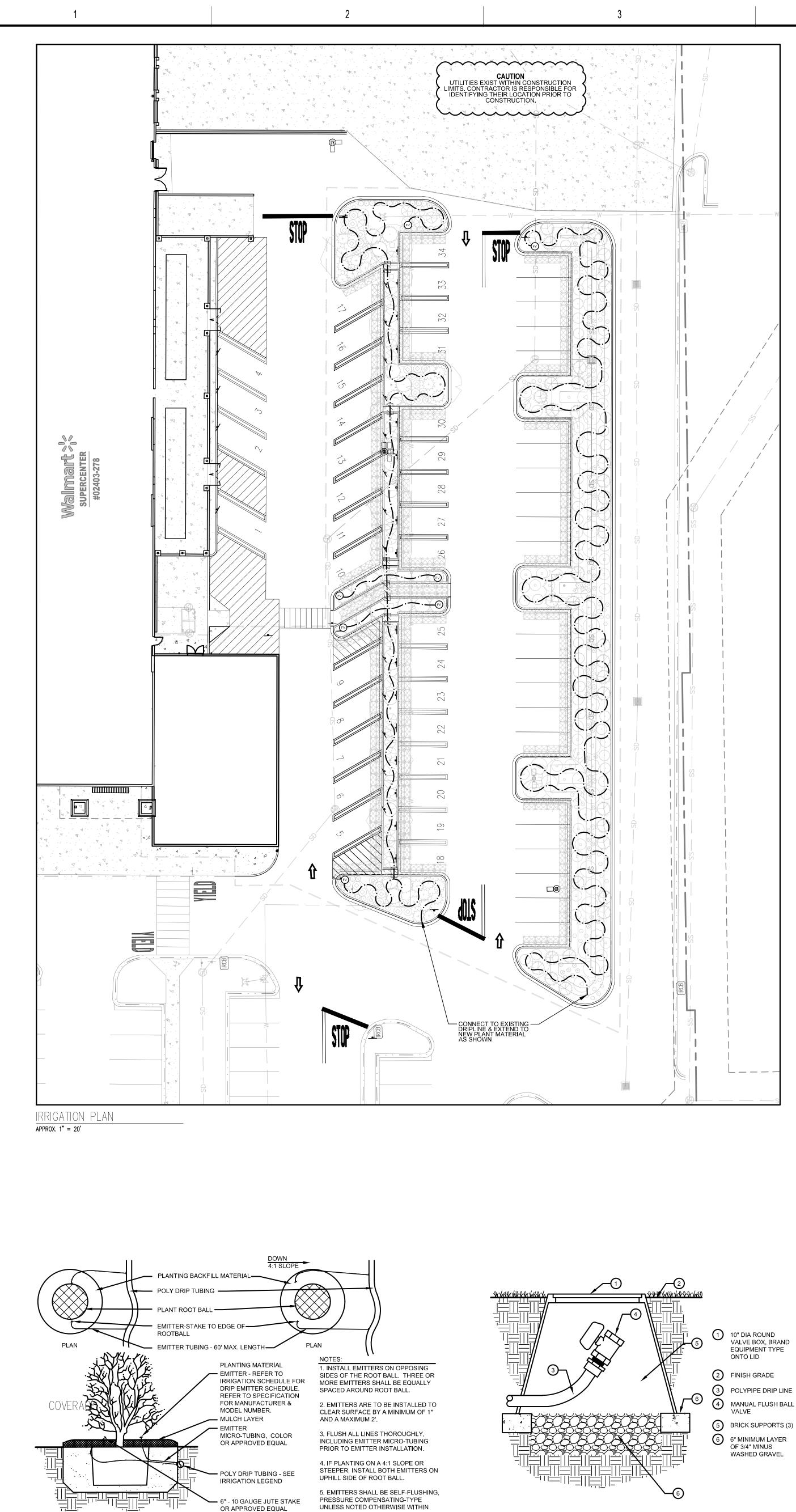
### CAUTION - NOTICE TO CONTRACTOR 1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE

- UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.





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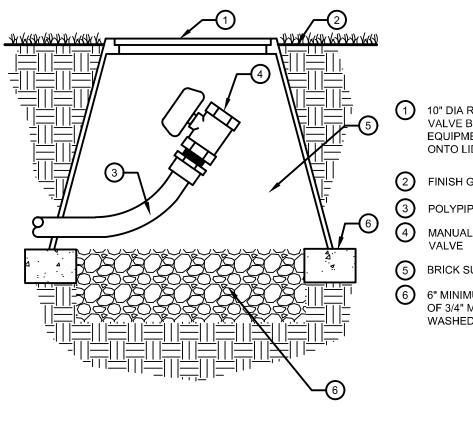
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DRIP EMITTERS LAYOUT

SCALE: NOT TO SCALE

TECHNICAL SPECIFICATIONS.



MANUAL FLUSH DRAIN VALVE SCALE: NOT TO SCALE

1	10" DIA ROUND VALVE BOX, BRAND EQUIPMENT TYPE ONTO LID
~	

IRRIGATION LEGEND MODEL NO. DESCRIPTION SYMBOL MANUF.

OTMDOL	107 (1101	MODEL NO:	BEGGINI HEN	
ORIP SYSTE	ΞM			
	RAINBIRD	FOR LANDSCAPE BED AREAS - XBS-XXX	PER CONTRACTOR BELOW. USE 3/4-INC FOR LINE CHANGES INSTALL SEVERAL IN	POLY TUBING (OR APPROVED EQUAL), CONNECT ATTACH TREE & SHRUB DRIP EMITTERS PER THE CH POLY TUBING SIZE UNLESS OTHERWISE NOTE SHALL BE: (3/4"-1 TO 7 GPM), (1"-8 TO 14 GPM), (1 JUNE CHECK VALVES IN ZONES W/ LARGE ELEVA ROLLER VALVES TOGETHER TO MAXIMIZE WATER
FV	NIBCO	4660-S	MANUAL DRIPLINE F	LUSH VALVE
	PROVIDE THE FOLLOWING DRIP EMITTERS FOR EACH PLANT:	PLANTS, 1 GALLON AND PLANTS, 5 GALLON: UPRIGHT JUNIPERS, 10 TREES, 1" TO 2-1/2" CAL TREES, 3" TO 4" CALIPE	-15 GALLON: IPER:	1, XB-10PC - (1 GPH) EMITTER PER PLANT 2, XB-10PC - (2 GPH) EMITTERS PER PLANT 3, XB-10PC - (3 GPH) EMITTERS PER TREE 4, XB-10PC - (4 GPH) EMITTERS PER TREE 7, XB-10PC - (7 GPH) EMITTERS PER TREE
/AIN LINE/	LATERALS & SLE	EVES		

# GENERAL IRRIGATION NOTES

REPRESENTATIVE IMMEDIATELY.

- IRRIGATION DESIGN IS NOT AN EXACT SCIENCE. IT IS BASED ON THEORIES, ASSUMPTIONS, AND/OR INFORMATION PROVIDED BY CIVIL MODELS/UTILITIES/MUNICIPAL ENTITIES AND THUS, IS DIAGRAMMATIC IN NATURE. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR GRAPHIC CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS INDICATED ON PLAN. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL ABOVE-GRADE IRRIGATION EQUIPMENT WITH THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION, OR IRRIGATION CONTRACTOR MAY BE REQUIRED TO MOVE SUCH ITEMS AT HIS OWN COST
- REFER TO SPECIFICATIONS (AS APPROPRIATE) FOR SUBMITTALS, INSPECTIONS AND OTHER APPLICABLE INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE PROJECT SPECIFICATIONS PRIOR TO BIDDING. THE PROJECT SPECIFICATIONS ARE A PART OF THESE PLANS AND SHALL BE CONSULTED BY THE IRRIGATION CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING WORK AS SPECIFIED IN THE PROJECT SPECIFICATIONS AND ON THE PLANS.
- 3. THE IRRIGATION CONTRACTOR SHALL MEET WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK, AND SHALL OBTAIN ALL ENGINEERING, LANDSCAPE, AND OTHER APPLICABLE PLANS & DOCUMENTS. CONTRACTOR SHALL THOROUGHLY REVIEW PLANS & REPORT ANY CONFLICTS OR DISCREPANCIES TO OWNER'S
- 4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES, AND UTILITY LOCATIONS PRIOR TO BEGINNING WORK. DO NOT INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE EXISTED AT THE TIME OF THE IRRIGATION DESIGN PREPARATION. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT. IN THE EVENT THIS NOTIFICATION IS NOT GIVEN, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY TO BRING THE SYSTEM TO A PROPER WORKING CONDITION, AND TO THE OWNER'S SATISFACTION.
- 5. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATIONS OF WALLS, RETAINING WALLS, ETC. THE IRRIGATION CONTRACTOR SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES THROUGH WALL, UNDER ROADWAY PAVING, ETC.
- 6. THE CONTRACTOR SHALL MAKE NO SUBSTITUTIONS, DELETIONS, OR ADDITIONS TO THIS PLAN WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT. 7. SEE CIVIL ENGINEER'S DRAWINGS FOR IRRIGATION POINT OF CONNECTION (TAP) AND DOMESTIC WATER SUPPLY.
- 8. ALL CONSTRUCTION SHALL CONFORM TO CITY, COUNTY, STATE, AND FEDERAL REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THAT ALL IRRIGATION EQUIPMENT MEETS GOVERNMENT REGULATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS OR APPROVALS
- 9. THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE POINT OF CONNECTION NOTE TAG(S) ON THE DRAWINGS. THE IRRIGATION CONTRACTOR SHALL FIELD VERIFY THE STATIC & OPERATING WATER PRESSURE PRIOR TO CONSTRUCTION, AND SHALL REPORT ANY DIFFERENCES BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED OR PRESSURES HAVE GREATLY CHANGED PRIOR TO THE START OF THE IRRIGATION SYSTEM CONSTRUCTION. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR RECOMMENDING A SOLUTION AND PROVIDING AN ADD ALTERNATE BID FOR IRRIGATION COSTS.
- ITECT IF AVAILABLE WATER PRESSURE EXCEEDS 5 PSI HIGHER OR LOWER THAN AVAILABLE WATER PRESSURE.
- 11. NO MORE THAN 90% OF AVAILABLE MINIMUM STATIC WATER PRESSURE WAS USED IN PREPARATION OF THESE PLANS, FURTHERMORE. THE MAXIMUM FLOW THROUGH THE METER SHOULD NOT EXCEED 75% OF THE MAXIMUM SAFE FLOW. 12. SUPPLY LINE AND METER TO BE PROVIDED BY GENERAL CONTRACTOR. BACKFLOW PREVENTER TO BE PROVIDED BY
- IRRIGATION CONTRACTOR. IRRIGATION CONTRACTOR'S POINT OF CONNECTION TO BEGIN AFTER THE IRRIGATION WATER METER 13. INSTALL ALL MATERIALS AND EQUIPMENT AS SHOWN ON THE PLANS AND DETAILS. NO SUBSTITUTIONS OF EQUIPMENT WILL BE ACCEPTABLE WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT OR THE OWNERS REPRESENTATIVE. THE IRRIGATION CONTRACTOR MAY BE REQUIRED TO REMOVE AND REPLACE ALL UNAPPROVED
- SUBSTITUTED EQUIPMENT AT HIS OWN COST IF SO DIRECTED BY THE OWNER. 14. WHEN INSTALLING IRRIGATION PIPE AND EQUIPMENT NEXT TO HARDSCAPE (SUCH AS WALLS, CURBS, OR WALKS), PLACE PIPE AS CLOSE AS POSSIBLE TO HARDSCAPE TO AVOID CONFLICTS WITH PLANTING. REFER TO MAINLINE TRENCHING DETAILS FOR ADDITIONAL INFORMATION.
- 15. THE IRRIGATION CONTRACTOR SHALL COORDINATE 120 V.A.C. ELECTRICAL POWER TO CONTROLLERS AND DEDICATE ONE (1) 20-AMP BREAKER FOR EACH CONTROLLER. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE THE FINAL HOOK-UP FROM THE ELECTRICAL SOURCE TO THE CONTROLLER UNIT ONLY. 16. THE RAIN SENSOR SHALL BE LOCATED NEAR THE IRRIGATION CONTROLLER, AND SHALL BE MOUNTED AS SHOWN ON THE DETAIL AND/OR LEGEND. LOCATE SENSOR AWAY FROM TALL TREES, SHRUBS, AND OTHER POTENTIAL OBSTRUCTIONS.
- 17. ALL VALVE CONTROL WIRE SHALL BE AWG 14 TYPE UF, 600 VOLT TEST, DIRECT BURIAL. NO SPLICES SHALL BE ALLOWED EXCEPT AT VALVES AND CONTROLLER. WHERE SPLICES MAY BE NECESSARY DUE TO EXCESSIVELY LONG WIRE RUNS, THE CONTRACTOR SHALL MAKE ALL SPLICES IN 6" ROUND VALVE BOXES WITH 3M'S "DBY-DIRECT BURIAL SPLICE KIT". THE CONTRACTOR SHALL LABEL ALL WIRES WITH WATERPROOF TAGS AND MARKERS AT ALL SPLICES
- AND VALVE MANIFOLDS, AND SHALL LEAVE A 24" COIL OF EXCESS WIRE AT EACH CONNECTION. 18. CONTRACTOR SHALL PROVIDE #10 COMMON WIRE, DIRECT BURIAL, TO ALL REMOTE CONTROL VALVES.

## UTILITY NOTES

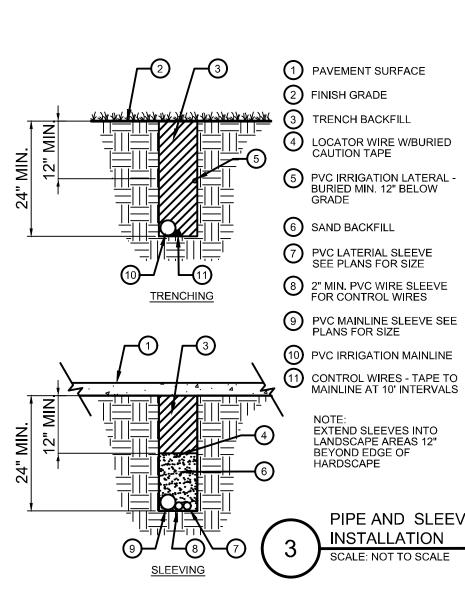
- 1. THE LANDSCAPE CONTRACTOR IS REQUIRED TO CONTACT THE COUNTY PUBLIC WORKS DEPARTMENT, AND ANY OTHER PUBLIC OR PRIVATE AGENCY NECESSARY FOR UTILITY LOCATION PRIOR TO ANY CONSTRUCTION.
- 2. THIS DRAWING IS A PART OF A COMPLETE SET OF BID DOCUMENTS, SPECIFICATIONS, ADDITIONAL DRAWINGS, AND EXHIBITS. UNDER NO CIRCUMSTANCES SHOULD THESE PLANS BE USED FOR CONSTRUCTION PURPOSES WITHOUT EXAMINING ACTUAL LOCATIONS OF UTILITIES ON SITE, AND REVIEWING ALL RELATED DOCUMENTS.
- 3. THE LOCATION OF THE ALL UNDERGROUND UTILITIES ARE LOCATED ON THE ENGINEERING DRAWINGS FOR THIS PROJECT. THE MOST CURRENT REVISION IS HERE IN MADE PART OF THIS DOCUMENT. UNDERGROUND UTILITIES EXIST THROUGHOUT THIS SITE AND MUST BE LOCATED PRIOR TO ANY CONSTRUCTION ACTIVITY. WHERE UNDERGROUND UTILITIES EXIST. FIELD ADJUSTMENT MAY BE NECESSARY AND MUST BE APPROVED BY A REPRESENTATIVE OF THE OWNER. NEITHER THE OWNER NOR THE LANDSCAPE ARCHITECT ASSUMES ANY RESPONSIBILITY WHATSOEVER, IN RESPECT TO THE CONTRACTORS ACCURACY IN LOCATING THE INDICATED PLANT MATERIAL. AND UNDER

NO CIRCUMSTANCES SHOULD THESE PLANS BE USED WITHOUT

REFERENCING THE ABOVE MENTIONED DOCUMENTS.

- **IRRIGATION DISCLAIMER**

- ARCHITECT, & IRRIGATION DESIGNER OF THE PRESSURE READING FOR THE TAP.



- (2) FINISH GRADE TRENCH BACKFILL
- LOCATOR WIRE W/BURIER CAUTION TAPE
- PVC IRRIGATION LATERAL RIED MIN. 12" BELOW
- (6) SAND BACKFILL
- 7 PVC LATERIAL SLEEVE SEE PLANS FOR SIZE
- 8 2" MIN. PVC WIRE SLEEVE FOR CONTROL WIRES
- 9 PVC MAINLINE SLEEVE SEE PLANS FOR SIZE
- (10) PVC IRRIGATION MAINLINE 11 CONTROL WIRES - TAPE TO

NOTE EXTEND SLEEVES INTO LANDSCAPE AREAS 12"

BEYOND EDGE OF HARDSCAPE

PIPE AND SLEEVE INSTALLATION SCALE: NOT TO SCALE

ON LEGEND			
MANUF.	MODEL NO.	DESCRIPTION	REMARKS/DETAIL
М			
RAINBIRD	FOR LANDSCAPE BED AREAS - XBS-XXX	XERI BLACK STRIPE POLY TUBING (OR APPROVED EQUAL), CONNECTION TO PVC LATERAL PER CONTRACTOR. ATTACH TREE & SHRUB DRIP EMITTERS PER THE EMITTER SCHEDULE BELOW. USE 3/4-INCH POLY TUBING SIZE UNLESS OTHERWISE NOTED. FLOWS IN GPM FOR LINE CHANGES SHALL BE: (3/4"-1 TO 7 GPM), (1"-8 TO 14 GPM), (1-1/2"-15 TO 35 GPM). INSTALL SEVERAL INLINE CHECK VALVES IN ZONES W/ LARGE ELEVATION DIFFERENCES. GROUP DRIP CONTROLLER VALVES TOGETHER TO MAXIMIZE WATER WINDOWS.	DETAIL 1 / IR1.0
NIBCO	4660-S	MANUAL DRIPLINE FLUSH VALVE	DETAIL 2 / IR1.0
PROVIDE THE FOLLOWING DRIP EMITTERS FOR EACH PLANT:	PLANTS, 1 GALLON AND PLANTS, 5 GALLON: UPRIGHT JUNIPERS, 10 TREES, 1" TO 2-1/2" CAI TREES, 3" TO 4" CALIPE	2, XB-10PC - (2 GPH) EMITTERS PER PLANT -15 GALLON: 3, XB-10PC - (3 GPH) EMITTERS PER TREE .IPER: 4, XB-10PC - (4 GPH) EMITTERS PER TREE	
ATERALS & SLE	EVES		
ANY APPROVED	IRRIGATION SLEEVE - S	CHEDULE 40 PVC TWICE THE SIZE OF THE PIPE TO BE INSERTED, ONE SLEEVE PER PIPE	DETAIL 3 / IR1.0

ON THESE DRAWINGS

## CONTRACTOR NOTE

- 1. CONTRACTOR TO ENSURE IRRIGATION SYSTEM IS IN PLACE AND OPERATIONAL PRIOR TO INSTALLATION. 2. CONTRACTOR TO RETROFIT AND EXTEND THE
- EXISTING IRRIGATION SYSTEM TO NEWLY ADDED PLANT MATERIAL SHOWN ON THE LANDSCAPE
- 3. ALL IRRIGATION EQUIPMENT AND COMPONENTS USED, SHALL MATCH THE EXISTING IRRIGATION SYSTEM.
- 4. CONTRACTOR TO ENSURE THE RETROFITTED IRRIGATION SYSTEM IS OPERATIONAL UPON COMPLETION.
- 5. CONTACT THE LANDSCAPE ARCHITECT WITH ANY QUESTIONS REGARDING THIS RETROFIT.
- 19. CONNECT ALL DIRECT BURIAL WIRES TO VALVES USING 3M'S "DBY-DIRECT BURIAL SPLICE KIT" (UNLESS OTHERWISE SPECIFIED) 20. PROVIDE ADDITIONAL IRRIGATION CONTROL WIRES TO THE AMOUNT OF OPEN ZONES ON THE CONTROLLER ALONG

EACH BRANCH OF MAINLINE FOR FUTURE EXPANSION. STUB ADDITIONAL CONTROL WIRES INTO BACK OF IRRIGATION

- CONTROLLERS 21. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL CONTROL WIRE SLEEVES AND PIPE SLEEVES UNDER PAVED AREAS PRIOR TO PAVING. ELECTRICAL WIRES FOR IRRIGATION VALVES AND IRRIGATION LINES ARE TO BE PLACED IN SEPARATE SLEEVES. ALL SLEEVING SHALL BE PVC SCHEDULE 40 PIPE. SLEEVES FOR MAINLINE AND LATERAL LINES SHALL BE A MINIMUM TWICE THE DIAMETER OF THE ENCLOSED PIPE; SLEEVES FOR CONTROL WIRES SHALL BE AS PER THE SLEEVING / WIRING NOTE AND THE WIRING SLEEVE LEGEND ITEM AS SHOWN
- 22. TRENCH BACKFILL MATERIAL SHALL BE FREE OF ROCKS, GLASS, AND OTHER EXTRANEOUS MATERIALS LARGER THAN 1" IN DIAMETER. BACKFILL SHALL BE COMPACTED TO 90% MAXIMUM DRY DENSITY.
- 23. WHERE VALVES ARE LOCATED IN CLOSE PROXIMITY TO EACH OTHER, CLUSTER VALVES INTO MANIFOLDS. INSTALL NO MORE THAN ONE VALVE PER VALVE BOX.
- 24. MANUAL DRAIN VALVE, FOR FREEZE PROTECTION, ARE TO BE LOCATED AT ALL LOW POINTS OF IRRIGATION LATERAL LINES. WHERE THE LOW POINT IS AT THE END OF THE LINE, LOCATE DRAIN VALVE A MINIMUM OF 12" DOWNSTREAM FROM THE LAST SPRINKLER HEAD. SEE DETAIL FOR VALVE ORIENTATION.
- 25. USE TEFLON TAPE ON ALL PVC MALE PIPE THREADS ON ALL SWING JOINT AND VALVE ASSEMBLIES. 26. ALL IRRIGATION HEADS, INCLUDING FIXED-SPRAY AND DRIP DEVICES, SHALL BE SET PERPENDICULAR TO THE FINISH GRADE OF THE AREA TO BE IRRIGATED.
- 27. ALL PRESSURIZED MAINLINES, VALVES, DRIP, AND ROTOR AND SPRAY HEADS SHALL BE INSTALLED A MINIMUM OF 3' AWAY FROM ANY BUILDING FOUNDATION. IF THIS EQUIPMENT IS SHOWN WITHIN THE 3' OFFSET ON THESE PLANS, IT IS FOR THE PURPOSE OF GRAPHIC CLARITY ONLY.
- 28. EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE, IT IS THE INTENT OF THE IRRIGATION DESIGN TO INDICATE ALL SPRAY HEADS AS "POP-UPS". IN THE EVENT THAT POP-UP HEADS HAVE NOT BEEN SPECIFIED IN TURF AREAS, IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO BRING THIS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BIDDING AND CONSTRUCTION.
- 29. ALL SPRAY AND ROTOR HEAD LOCATIONS SHALL BE STAKED, FLAGGED AND/OR OTHERWISE CLEARLY MARKED ON THE GROUND PRIOR TO INSTALLATION. SPRINKLER HEAD STAKING SHALL BE INSPECTED AND APPROVED BY THE OWNER'S REPRESENTATIVE OR THE LANDSCAPE ARCHITECT BEFORE INSTALLATION. STAKED LOCATIONS SHALL BE SPACED TO PROVIDE HEAD-TO-HEAD COVERAGE. RECOMMENDED SETBACK DISTANCE OF ALL PROPOSED IRRIGATION HEADS IS 12" FROM BACK OF CURB AND EDGE OF PAVEMENT.
- 30. FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST NOZZLE ARC AND RADIUS TO FIT THE EXISTING SITE CONDITIONS. 31 ALL POP-UP TYPE SPRINKLER HEADS INSTALLED IN TURE AREAS SHALL BE INSTALLED SO THE TOP OF THE SPRINKLER
- HEAD IS FLUSH WITH THE ADJACENT SIDEWALK, OR PAVING. ALL POP-UP HEADS AWAY FROM HARDSCAPE EDGES IN TURF SHALL BE 1" ABOVE THE FINISH GRADE TO PREVENT CONTACT WITH MOWERS. 32. EXISTING TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DO NOT TRENCH OR EXCAVATE WITHIN THE
- CRITICAL ROOT ZONE OF ANY TREE. 33. ALL PLANT MATERIAL IN TREE HOLDING AREAS SHALL BE MANUALLY WATERED/IRRIGATED TO KEEP MOIST UNTIL
- PI ANTED 34. UPON COMPLETION OF INSTALLATION OF IRRIGATION SYSTEM, IRRIGATION CONTRACTOR SHALL PROVIDE THE FOLLOWING A. ACCURATE AND COMPLETE "AS BUILT" PLANS OF IRRIGATION SYSTEM INCLUDING 8-1/2" X 11" ZONE MAP TO BE PLACED INSIDE EACH CONTROLLER BOX. B. LOG ON ALL WATER WINDOWS, RUN SCHEDULE TIMES, AND OTHER CHANGES AND/OR MODIFICATIONS TO THE IRRIGATION SYSTEM SINCE INSTALLATION. C. ONE HOUR OF TRAINING TO OWNER ON IRRIGATION SYSTEM AND CONTROLLER OPERATION. . THREE OF EACH TYPE OF HEAD AND EMITTER INSTALLED. E. ONE OF EACH TYPE OF VALVE INSTALLED.
- F. REVIEW WINTERIZATION PROCEDURES FOR IRRIGATION SYSTEM WITH OWNERS REPRESENTATIVE. 35. PRIOR TO ACCEPTANCE OF IRRIGATION SYSTEM AT THE END OF THE MAINTENANCE PERIOD. THE IRRIGATION CONTRACTOR SHALL PROVIDE THE FOLLOWING: CURRENT SCHEDULE RUN TIME AND WATER WINDOW LOG, ALONG WITH NOTING ANY OTHER PERTINENT INFORMATION.
- 36. UNLESS OTHERWISE SPECIFIED, THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ANYTHING DAMAGED BY HIS WORK AT NO ADDITIONAL COST TO THE OWNER. 37. CONTRACTOR SHALL INSTALL MAINLINES ±12" FROM PAVEMENT EDGE IN PLANTING AREAS. ALL PIPING, VALVES, AND
- OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR DESIGN CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS AS INDICATED ON THESE PLANS. 38. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND SPECIFICATIONS, THE PLAN SHALL TAKE PRECEDENCE.
- 39. THE IRRIGATION SYSTEM SHALL BE INSTALLED BY A QUALIFIED IRRIGATION CONTRACTOR.

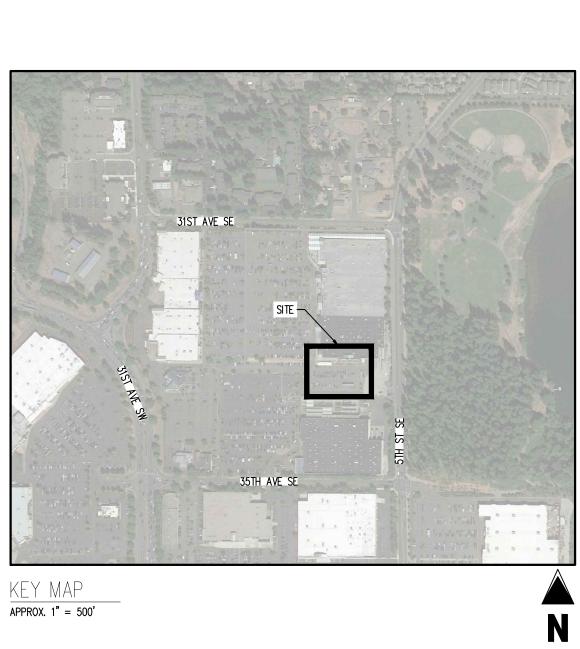
1. IRRIGATION DESIGN IS NOT AN EXACT SCIENCE. IT IS BASED ON THEORIES, ASSUMPTIONS, AND/OR INFORMATION PROVIDED BY CIVIL MODELS/UTILITIES/MUNICIPALITIES ENTITIES AND THUS DIAGRAMMATIC IN NATURE.

2. CONTRACTOR SHALL INSTALL MAINLINES ±12" FROM PAVEMENT EDGE IN PLANTING AREAS. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR DESIGN CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS AS INDICATED ON THESE PLANS.

3. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL ABOVE-GRADE AND VISIBLE IRRIGATION EQUIPMENT (CONTROLLERS, BACKFLOW PREVENTERS, METER PITS, ETC.) WITH THE OWNER'S AUTHORIZED REPRESENTATIVE AND / OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. THE INSTALLATION OF THESE ITEMS SHALL BE INTEGRATED WITHIN DESIGNATED LANDSCAPE AREAS. FAILURE TO LOCATE THIS EQUIPMENT IN AN APPROVED LOCATION MAY RESULT IN THE IRRIGATION CONTRACTOR BEING REQUIRED TO MOVE SUCH ITEMS AT HIS OWN COST.

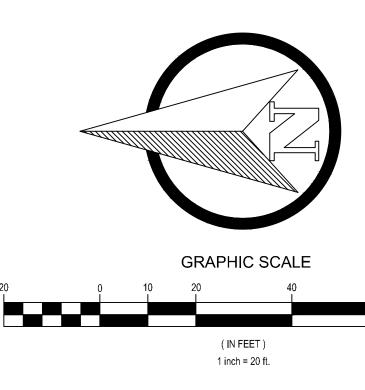
4. THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE DRAWINGS. THE IRRIGATION CONTRACTOR SHALL FIELD VERIFY THE STATIC & OPERATING WATER PRESSURE PRIOR TO CONSTRUCTION OF ANY COMPONENT OF THE IRRIGATION SYSTEM. AFTER FIELD VERIFICATION, THE IRRIGATION CONTRACTOR SHALL NOTIFY THE OWNER, OWNER'S REPRESENTATIVE, LANDSCAPE

5. ALL PRESSURIZED MAINLINES, VALVES, DRIP, AND ROTOR AND SPRAY HEADS SHALL BE INSTALLED A MINIMUM OF 5' AWAY FROM ANY BUILDING FOUNDATION. ADDITIONAL REQUIREMENTS MAY BE LISTED IN THE GEOTECHNICAL REPORT REGARDING IRRIGATION NEAR BUILDING FOUNDATIONS. CONTRACTOR IS RESPONSIBLE TO ABIDE BY THE 5' MINIMUM DISTANCE AND/OR THE GEOTECHNICAL REPORT REQUIREMENTS. IF THIS EQUIPMENT IS SHOWN WITHIN THE 5' OFFSET ON THESE PLANS, IT IS FOR THE PURPOSE OF GRAPHIC CLARITY ONLY. 6. REFER TO THIS SHEET FOR IRRIGATION NOTES AND IRRIGATION DETAILS.

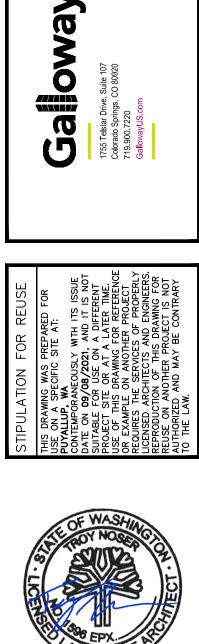


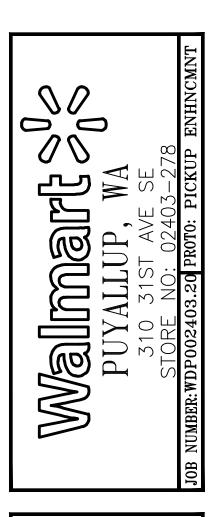
### CAUTION - NOTICE TO CONTRACTOR 1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.

2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.









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