### PERMITTING REQUIREMENTS AND CONTACT INFO

UPON NOTIFICATION OF CONTRACT AWARD, CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD'S PERMIT COORDINATOR REGARDING BUILDING PERMIT STATUS. CONTRACTOR SHALL NOT CONTACT AHJ PRIOR TO CONTACTING PERMIT COORDINATOR TO VERIFY BUILDING PERMIT STATUS. WHEN NECESSARY, THE CONTRACTOR SHALL DELIVER PERMIT PLAN SETS AND PAY PERMIT FEES TO THE AHJ IN ORDER TO RECEIVE CONSTRUCTION PERMITS. UPON REVIEW OF PROJECT SCOPE THE AHJ MAY REQUIRE THE CONTRACTOR TO COMPLETE ADDITIONAL PERMITTING REQUIREMENTS FOR OR SUBMIT ADDITIONAL PLAN SETS FOR REVIEW TO ADDITIONAL LOCAL, COUNTY, STATE, AND/OR FEDERAL AUTHORITIES WHICH MAY NOT BE LOCATED WITHIN THE LOCAL AHJ 'S OFFICES. SUBMIT ANY PLAN REVIEW COMMENTS OR QUESTIONS THROUGH THE WALMART APPROVED RFI PROCESS. CONTRACTOR SHALL OBTAIN PERMIT(S) THE GREATER OF 10 WORKING DAYS OR 2 WEEKS PRIOR TO THE START OF CONSTRUCTION TO AVOID UNNECESSARY DELAYS AND ADDITIONAL ENGINEERING FEES. CONTRACTOR SHALL PICK UP AND PAY FOR ANY REQUIRED PERMIT(S) AND ALL ANCILLARY FEES. COST OF REQUIRED PERMIT(S) WILL BE DETERMINED AT THE TIME OF PERMIT ISSUANCE. EXACT AMOUNT SHALL BE COORDINATED WITH THE WALMART CONSTRUCTION MANAGER. CONTRACTOR SHALL EMAIL A COPY OF PERMIT(S WHEN OBTAINED TO PERMIT COORDINATOR LISTED BELOW. CONTRACTOR SHALL UPLOAD A COPY OF PERMIT(S WHEN OBTAINED TO EVOCO WORKSPACE SUPPORT FOLDER. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL EMAIL APPROVED FINAL INSPECTION REPORT AND CERTIFICATE OF COMPLETION TO PERMIT COORDINATOR LISTED BELOW. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL UPLOAD APPROVED FINAL INSPECTION REPORT AND CERTIFICATE OF COMPLETION TO EVOCO WORKSPACE SUPPORT FOLDER.

PHONE

208-509-4735 EXT355

CONTACT	
KIM ZACHARY	PE

KIM ZACHARY		PERMITADI	MIN@DCENGINEERING.NET
City of Puyallup Development Engineering APPROVED	City of F Plan Divis	ning sion	
See permit for additional requirements. Linda Lian 05/10/2023 10:33:05 AM	05/26 10:06:	tions. lark 5/2023 36 AM	
CITY OF PUPALITY	OTY OF	PUVALLUA	

THE APPROVED CONSTRUCTION PLANS, DOCUMENTS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITEE ON SITE FOR INSPECTION

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.

# PRCTI20230548

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

# Walmart REFRIGERATION CAP-X REF3 USMV-037714 PUYALLUP, WA STORE #2403-605

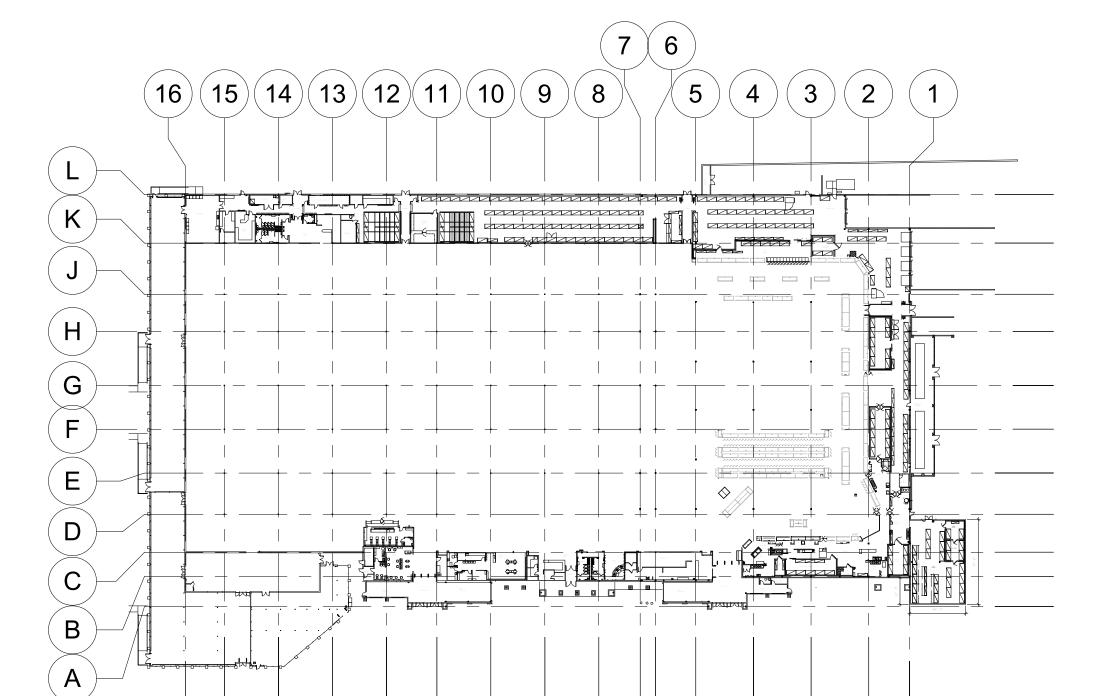
	SHEET INDEX
SHEET NUMBER	SHEET NAME
T1	TITLE SHEET
N1	RESPONSIBILITY MATRICES
D1	DEMOLITION PLAN
F1	FIXTURE PLANS
F2	FIXTURE DETAILS
BASR1	BUILDING AUTOMATION SYSTEM
BASR2	BUILDING AUTOMATION SYSTEM
RD1	REFRIGERATION DEMO PLAN
R1	REFRIGERATION PLAN
R3	REFRIGERATION SCHEDULES
R4	REFRIGERATION DETAILS
R5	REFRIGERATION SUBMITTALS
RE1	REFRIGERATION ELECTRICAL PLAN
RE3	PANELBOARD SCHEDULES

PROJECT SITE ADDRESS STREET: 310 31ST AVE SE

STATE: WA

COUNTY: PIERCE

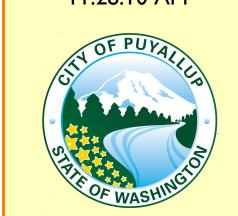
PUYALLUP





# City of Puyallup Building **ACCEPTED**

**J**Montgomery 05/22/2023 11:28:10 AM



# GENERAL REQUIREMENTS

- THE PLANS SHOWN THROUGHOUT THESE DOCUMENTS ARE BASED ON LIMITED INFORMATION PROVIDED BY WALMART AND A LIMITED SITE OBSERVATION SURVEY: THE DESIGN PROFESSIONAL CANNOT BE HELD RESPONSIBLE FOR THE ACCURACY OF THE EXISTING CONDITIONS
- THE CONTRACTOR IS TO INSPECT THE STORE PRIOR TO COMMENCING WITH ANY WORK AND NOTIFY THE WALMART MECHANICAL CONSTRUCTION MANAGER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE **EXISTING CONDITIONS.**
- ALL WORK SHALL BE DONE IN A SAFE AND WORKMANLIKE MANNER AND IN STRICT ACCORDANCE WITH THE LOCAL GOVERNING BUILDING CODE, NATIONAL ELECTRIC CODE ADA-ADAAGS, OSHA REGULATIONS, AND ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES HAVING JURISDICTION.
- THE CONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS. THE FAILURE TO ACQUAINT HIMSELF WITH ALL DRAWINGS AND SPECIFICATIONS DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY OF PERFORMING HIS WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED DUE TO FAILURE TO FAMILIARIZE WORKERS WITH ALL DRAWINGS AND SPECIFICATIONS.
- THE EXISTING BUILDING SHALL BE PROTECTED FROM MOISTURE, DUST AND DEBRIS. INSTALL DUST PARTITIONS OR DRAPES AS SHOWN OR AS REQUIRED TO KEEP DUST AND MOISTURE FROM WALMART PREMISES.
- ANY DAMAGE TO WALMART PROPERTY WHICH OCCURS DURING THE PROCESS OF CONSTRUCTION SHALL BE REPAIRED AT NO ADDITIONAL COST TO WALMART; THIS I NCLUDES ALL MERCHANDISE. CONTRACTOR SHALL PAY WALMART THE COST FOR ALL DAMAGED MERCHANDISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING HANDLING, AND STORAGE OF OWNER FURNISHED EQUIPMENT. CONTRACTOR SHALL COORDINATE DELIVERY DATE CHANGES WITH WALMART HVAC/REFRIGERATION ADMINISTRATOR, CONTRACTOR SHALL PROVIDE EITHER ON-SITE STORAGE CONTAINERS, COORDINATE EQUIPMENT LAYDOWN AREA ON-SITE, AND/OR OFF-SITE STORAGE FOR OWNER FURNISHED EQUIPMENT AND ANY OTHER CONSTRUCTION ITEMS. CONTRACTOR SHALL COORDINATE LOCATION OF ANY ON-SITE STORAGE CONTAINERS AND/OR EQUIPMENT LAYDOWN AREA WITH WALMART STORE MANAGEMENT PRIOR TO PLACEMENT. CONTRACTOR IS RESPONSIBLE FOR SECURITY AND CONDITION OF OWNER FURNISHED EQUIPMENT KEPT IN STORAGE AND SHALL PROVIDE PERSONNEL TO RECEIVE AND MOVE EQUIPMENT. 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.
- THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE EXISTING BUILDING SECURITY AT ALL TIMES. THIS INCLUDES KEEPING THE BUILDING SECURE OF PERSONS. ENVIRONMENTAL ELEMENTS OR HAZARDS. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE I NTEGRITY OF ALL EXISTING SECURITY SYSTEMS. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE WALMART STORE MANAGER PRIOR TO THE MODIFICATION OF ANY EXISTING SECURITY SYSTEM FOR THE OPENING (DEMOLITION) OF ANY EXTERIOR WALL.
- 9 THE CONTRACTOR SHALL KEEP THIS AREA CLEAN AND FREE OF DEBRIS AND IS TO REMOVE ALL TRASH ANI DEBRIS FROM THE CONSTRUCTION AREA DAILY. NO FLAMMABLE MATERIALS OR LIQUIDS MAY BE STORED IN THE EXISTING BUILDING OR IN THE NEW ADDITION.
- 10 REMOVE ANY EXISTING ITEMS, SERVICES, FINISHES/OR SURFACES AS REQUIRED FOR THE INSTALLATION OF NEW CONSTRUCTION.
- 1 PROVIDE FURRING FOR CONDUITS AND PIPING, SHOWN OR NOT. AND FINISH OUT FURRING TO MATCH ADJACENT EXISTING FINISHES.
- 2 REPAIR, REROUTE, AND EXTEND ALL SERVICES, PIPING, CONDUIT OF EXISTING ITEMS AND EQUIPMENT AS REQUIRED DURING THE CONSTRUCTION PROCESS FOR 1 HE COMPLETE INSTALLATION AND OPERATION OF NEW EQUIPMENT. THIS INCLUDES ALL ITEMS SHOWN OR NOT SHOWN ON THE DRAWINGS.
- 3 RESET EXISTING EQUIPMENT OR RELATED ITEMS AS REQUIRED FOR PROPER OPERATION. WHERE EXISTING FINISHES ARE TO REMAIN, CLEAN, REPAIR, PATCH, AND/OR RE-PAINT AS NECESSARY TO BLEND WITH ADJACENT
- 14 CONSULT WALMART MECHANICAL CONSTRUCTION MANAGER FOR COMPLETE APPLICABLE SCOPE OF WORK. THE CONTRACTOR SHALL MAINTAIN THE REQUIRED NUMBER OF EXITS WITHIN THE STORE. MAINTAIN EXIT

SIGNS AND EMERGENCY LIGHTING AT ALL TIMES, AS

15 WALMART SHALL OCCUPY THE BUILDING DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH WALMART STORE MANAGER AND THE WALMART MECHANICAL CONSTRUCTION MANAGER ALL CONSTRUCTION PROCEDURES WHICH WILL INTERFERE WITH THE NORMAL DAILY OPERATIONS OF THE STORE.

REQUIRED BY THE LOCAL BUILDING OFFICIAL.

- 16 THE CONTRACTOR SHALL OBTAIN PERMISSION FROM WALMART FOR ALL INTERRUPTIONS OF UTILITY SERVICES TO THE EXISTING BUILDING PRIOR TO THE INTERRUPTION. ACCIDENTAL INTERRUPTIONS SHALL BE REMEDIED IMMEDIATELY WITH APPROPRIATE FORCES.
- ALL CAP-X/SPECIAL REFRIGERATION PROJECTS ARE TO BE BID AS NIGHT WORK. THE CONTRACTOR IS TO ASSUME ALL WORK IS TO BE CONDUCTED ONLY AS OVERNIGHT WORK. SOME WORK MAY BE ALLOWED DURING REGULAR WORKING HOURS TO FACILITATE COMPLETION SCHEDULES. WORK WILL ONLY BE PERMITTED DURING REGULAR WORKING HOURS WITH THE WALMART STORE MANAGEMENT'S AND/OR WALMART MECHANICAL CONSTRUCTION MANAGER'S PERMISSION. WORK TO BE PERFORMED ON THE EXTERIOR OF THE BUILDING, ROOFTOP BACK ROOM BEHIND DUST WALLS AND WORK THAT DOES NOT SIGNIFICANTLY INTERFERE WITH STORE OPERATIONS MAY BE ALLOWED WITH THE WALMART STORE MANAGEMENT'S AND/OR WALMART MECHANICAL CONSTRUCTION MANAGER'S PERMISSION. THE CONTRACTOR SHALL PAY FOR ADDITIONAL SECURITY PERSONNEL TO SUPERVISE ACCESS TO THE BUILDING AS REQUIRED BY WALMART STORE MANAGEMENT. CONTRACTOR SHALL PROVIDE ALL SAFETY EQUIPMENT AND EXTERIOR LIGHTING AS REQUIRED TO MAINTAIN A SAFE WORKING ENVIRONMENT FOR WORK REQUIRED AT NIGHT, THE CONTRACTOR SHALL PREPARE, AND DELIVER TO WALMART STORE MANAGEMENT, A SCHEDULE OF WORK FOR THE ENTIRE PROJECT SCOPE OF WORK, THIS SCHEDULE WILL INCLUDE ALL PHASES OF WORK TO BE PERFORMED AND SHALL LIST THE START AND COMPLETION TIMES FOR EACH PHASE OF WORK. THE CONTRACTOR SHALL UPDATE THIS SCHEDULE WEEKLY AS CONSTRUCTION PROGRESSES.
- 18 THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER OF RECORD ON DEVIATIONS IN INSTALLATION AND CONSTRUCTION OF FIXTURES, PIPING, AND OTHER I TEMS SPECIFIED IN THESE CONSTRUCTION DOCUMENTS.

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DOCUMENT DATE: 04/15/22

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- 9 SALES FLOOR TO BE ACCESSIBLE TO CUSTOMERS DURING NON-CONSTRUCTION HOURS. PROVIDE ALL NECESSARY TEMPORARY BARRIERS AND COVERS CAPABLE OF WITHSTANDING SHOPPING CART TRAFFIC AND CUSTOMER INTERACTION TO PREVENT CUSTOMER ACCESS OR EXPOSURE TO ANY CONSTRUCTION RELATED HAZARDS. COORDINATE WITH WALMART STORE MANAGER.
- 0 FURNISH AND INSTALL SEISMIC BRACING BASED ON APPROPRIATE SEISMIC ZONE REQUIREMENTS PER SMACNA PUBLISHED SEISMIC DETAILS AND LOCAL AND NATIONAL CODES. CONTRACTOR'S RESPONSIBILITY INCLUDES STRUCTURAL ENGINEER'S CERTIFICATION ON DETAILS SUBMITTED FOR PERMITTING.
- CONTRACTOR SHALL PAINT ALL NEW CONDUIT, DUCT, PLUMBING PIPING, SPRINKLER PIPING, AND SUPPORTS EXPOSED TO SALES FLOOR WITHOUT EXCEPTIONS. MATCH CEILING OR ADJACENT WALL COLOR (WHERE APPLICABLE). CONDUIT AND PIPING SHALL BE PAINTED PRIOR TO I NSTALLATION.
- 22 REFER TO SPECIFICATION SECTIONS 01600 PRODUCT REQUIREMENTS AND APPENDIX A - PRODUCTS AND WORK BY OWNER OR SEPARATE CONTRACTOR. THESE SECTIONS INCLUDE SPECIFIC INFORMATION REGARDING ITEMS AND SERVICES TO BE FURNISHED AND INSTALLED BY INDIVIDUALS OTHER THAN THE CONTRACTOR.
- REPORT ANY DISCREPANCIES FOUND IN THE FIELD IMMEDIATELY TO WALMART AND THE ENGINEER PRIOR TO MAKING ANY STRUCTURAL MODIFICATIONS OR ORDERING OF ANY MATERIALS.
- IT IS IMPERATIVE THAT THE ROOF FRAMING, DECKING AND ROOFING SYSTEM BE COMPLETED IMMEDIATELY UPON THE DEMOLITION OF ANY PORTION OF AN EXTERIOR WALL OR MAKING ANY OPENINGS IN THE ROOF TO ELIMINATE POTENTIAL WATER DAMAGE OR MOISTURE INFILTRATION. THE CONTRACTOR SHALL KEEP THE BUILDING WATERTIGHT AT ALL TIMES.
- 25 THE GENERAL CONTRACTOR SHALL RESPOND TO ALL REQUIREMENTS OF THE ENGINEER FOR VERIFICATIONS. RESPONSES, AND SUBMISSIONS. ALL ADJACENT BUILDINGS (IF APPLICABLE) SHALL REMAIN IN SERVICE DURING DEMOLITION/CONSTRUCTION.
- 26 MUD AND DEBRIS TRACKED ONTO OWNER PAVING OR CITY STREETS TO BE CLEANED IMMEDIATELY.
- 7 BUILDING COMPONENTS AFFECTED BY THE SCOPE OF WORK AND ALLOWED TO REMAIN SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.

FIELD OFFICES/

**INFORMATION SAFETY BOARD** 

# SCOPE OF WORK SUMMARY

NOTE: THE INTENT OF THIS SUMMARY IS TO ASSIST VENDORS IN IDENTIFYING EQUIPMENT NEEDS. IT IS NOT INTENDED FOR USE BY CONTRACTOR TO CAPTURE ALL SCOPE ISSUES. REFER TO PLANS AND SPECIFICATIONS (WHERE APPLICABLE) FOR ADDITIONAL INFORMATION.

REPLACE SERVICE DELI CASE 8FT (C6) REPLACE SERVIE DELI CASE - 24 FT (C4) REPLACE SERVICE DELI CASE 8ft (C3) REPLACE DELI HOT CASE

THIS IS A CAP-X REF3 PROJECT. REFER TO SPECIFICATIONS SECTION 1500 FOR ADDITIONAL INFORMATION REGARDING REQUIRED JOB SITE TEMPORARY FACILITIES AND

# CODE COMPLIANCE

ALL DRAWINGS ARE IN COMPLIANCE WITH THE FOLLOWING CODES

2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL FIRE CODE

STORMWATER RUNOFF CONTROL

- 2018 INTERNATIONAL MECHANICAL CODE 2018 UNIFORM PLUMBING CODE 2018 WASHINGTON STATE ENERGY CODE
- USE AND OCCUPANCY GROUP: M-MERCANTILE CONSTRUCTION TYPE: IIB UNPROTECTED (SPRINKLERED) **BUILDING AREA: 197.132 SQFT** FIRE PROTECTION: BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATICE SPRINKLER SYSTEM AND IS SURROUNDED ON ALL

# **CONSTRUCTION PHASING**

COMPLIES WITH SECTION 507.3. UNLIMITED CRITERIA IS APPLICABLE

SIDES BY 60 FEET MINIMUM OF PERMANENT OPEN SPACE AND

PHASING NOTES ARE INTENDED TO BE USED AS A GENERAL GUIDE TO THE CONSTRUCTION AND PHASING OF PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL AREAS OF PHASING WITH WALMART MECHANICAL CONSTRUCTION MANAGER AND WALMART STORE MANAGER PRIOR TO AND DURING CONSTRUCTION.

### PROJECTS DEPENDING ON THE PROJECT TYPE. CAP-X PROJECTS WILL BE LISTED AS ONE OF THE FOLLOWING TYPES: COMBO, REF-1 REF-2, REF-3, REF-4, HVAC-1, HVAC-2, HVAC-3, OR HVAC-4.

TEMPORARY FIELD OFFICES, SAFETY BOARDS AND OR POSTED

CONSTRUCTION SCHEDULES ARE REQUIRED ON CERTAIN CAP-X

REF-1 / COMBO: FIELD OFFICE AND INFORMATION SAFETY BOARD REQUIRED W/ POSTED CONSTRUCTION SCHEDULE REF-2: INFORMATION SAFETY BOARD REQUIRED W/ POSTED

CONSTRUCTION SCHEDULE REF-3: INFORMATION SAFETY BOARD REQUIRED W/ POSTED CONSTRUCTION SCHEDULE **REF-4: NOT REQUIRED** HVAC-1: INFORMATION SAFETY BOARD REQUIRED W/ POSTED

CONSTRUCTION SCHEDULE HVAC-2: INFORMATION SAFETY BOARD REQUIRED W/ POSTED **CONSTRUCTION SCHEDULE** HVAC-3: INFORMATION SAFETY BOARD REQUIRED W/ POSTED CONSTRUCTION SCHEDULE HVAC- 4: NOT REQUIRED

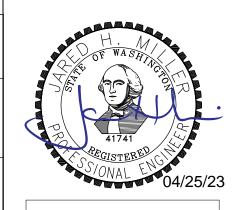
REFER TO THE MECHANICAL CONSTRUCTION PROJECT SPECIFICATION MANUAL SECTION 01500 - TEMPORARY FACILITIES AND CONTROLS FOR COMPLETE TEMPORARY FACILITY AND CONTROLS FOR COMPLETE TEMPORARY FACILITY REQUIREMENTS

# NOTE TO BIDDING CONTRACTORS

ARCHITECTURAL AND STRUCTURAL DISCIPLINES.

THESE PLANS ARE TYPICALLY ISSUED FOR BID AS REDUCED "1/2 (HALF) SIZE" DOCUMENTS. SCALES SHOWN APPLY TO ORIGINAL "FULL SIZE" DOCUMENTS ONLY. <u>DO NOT SCALE DRAWINGS</u>, FIELD

THE AWARDED CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENTIRE SCOPE OF WORK INDICATED ON THESE PLANS, THE ASSOCIATED SPECIFICATIONS AND WALMART SCOPE OF WORK DOCUMENT. THIS CAPITAL EXPENDITURE SHALL BE COMPLETED AS A "TURN KEY" PROJECT BY THE AWARDED CONTRACTOR AND SHALL INCLUDE BUT NOT LIMITED TO ALL SHEETS ON THIS PRINT: HVAC, REFRIGERATION, PLUMBING, ELECTRICAL EMS CONTROLS SYSTEMS



ENGINEER OF RECORD SEAL AND SIGNATURE SHALL BE CONSIDERED NOT FOR CONSTRUCTION

HAVE THE ARCHITECT OR

TITLE SHEET

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

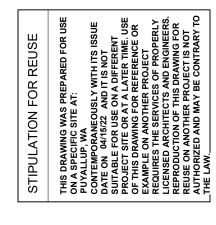
City of Puyallup Development & Permitting Services ISSUED PERMIT				
Building	Planning			
Engineering	Public Works			
Fire OF IA	Traffic			

	CASE INS	STALLATION	
FOR THIS WORK STRE	*** TENDED TO DESCRIBE IMPORTANT ELEME AM. IT IS NOT MEANT TO BE AN EXHAUST ID USED IN CONJUNCTION WITH ADDITION AY STANDARDS LIBRARY, AND IN PUBLICA	IVE SOURCE OF INFORMATION (	OR A COMPLETE SCOPE OF WORK. IT
SHOULD BE READ A		IAL, DETAILED INFORMATION IN	I THE WALMART REALTY ONE BEST

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

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







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CHECKED BY:	DL
DRAWN BY:	LP
PROTO CYCLE:	12/17/21
DOCUMENT DATE:	04/15/22

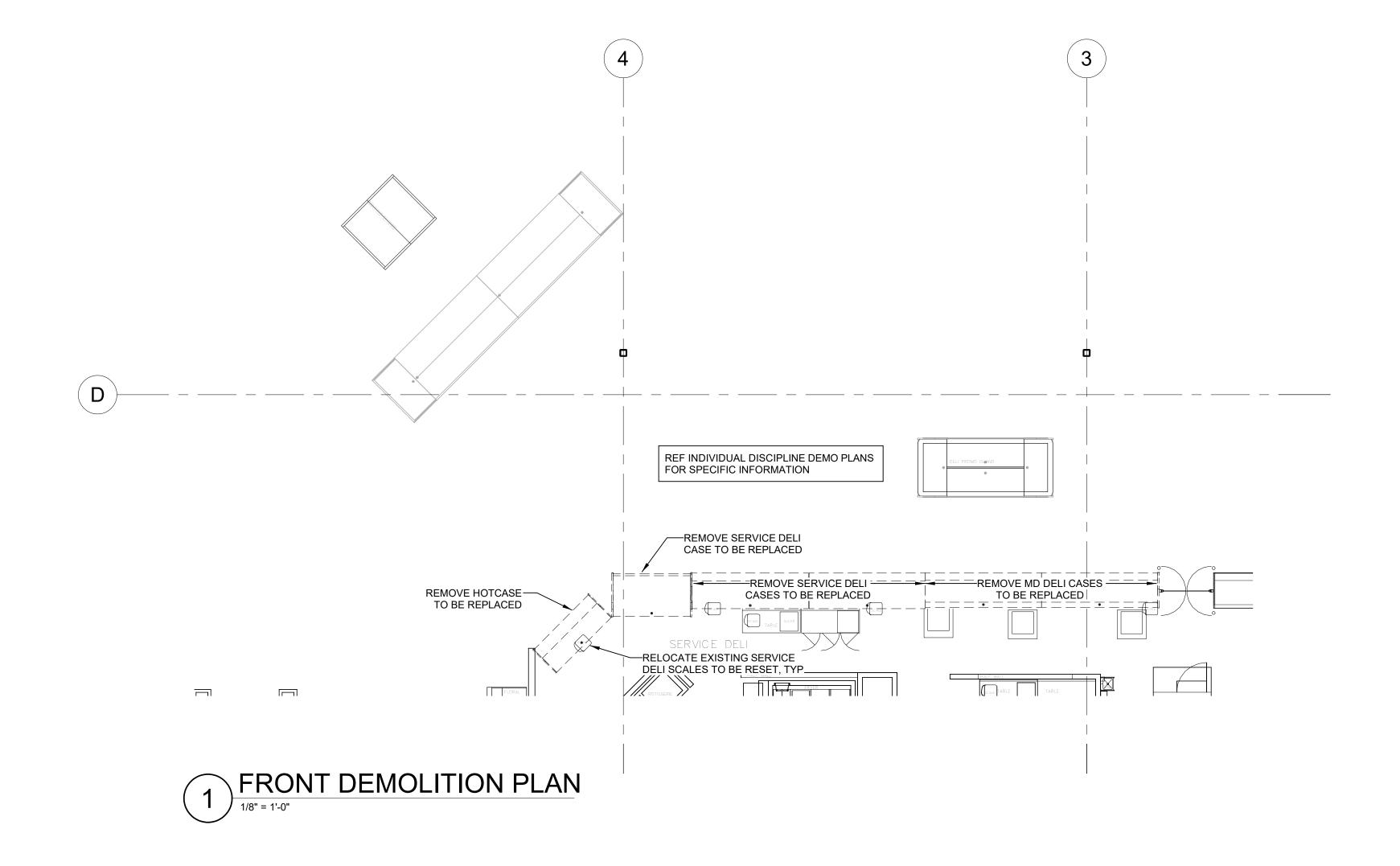


DOCUMENTS THAT DO NOT HAVE THE ARCHITECT OR ENGINEER OF RECORD SEAL AND SIGNATURE SHALL BE CONSIDERED NOT FOR CONSTRUCTION

RESPONSIBILITY MATRICES

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

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



# DEMOLITION REQUIREMENTS

- 1 ALL DEMOLITION SHALL BE CARRIED OUT IN A SAFE MANNER AND IN STRICT ACCORDANCE WITH OSHA REGULATIONS.
- 2 THE CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION. THE WORK INCLUDES, BUT IS NOT LIMITED TO, THE DEMOLITION AND REMOVAL OF WALLS, DOORS, FLOORS, AND ELECTRICAL ITEMS INCLUDING CONDUITS AS SHOWN ON DRAWING OR AS REQUIRED FOR THE INSTALLATION OF NEW WORK FOR A COMPLETE JOB.
- 3 WHEN UTILITIES ARE REMOVED, CAP AND SEAL A MINIMUM OF 8" BELOW FINISH FLOOR OR A MINIMUM OF 6" ABOVE FINISHED CEILING. SHOW ALL ABANDONED AND CAPPED UTILITIES ON AS-BUILTS, DRAWINGS, AND RECORDED DOCUMENTS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING, BRACING, AND SUPPORT SYSTEMS AND TO KEEP THE EXISTING STRUCTURE INTACT AND IN A SAFE CONDITION DURING THE REMOVAL OF STRUCTURAL ITEMS AND NEW CONSTRUCTION.
- 5 THE CONTRACTOR SHALL RETAIN A REGISTERED PROFESSIONAL ENGINEER TO DESIGN THE SHORING AND SPECIFY DEMOLITION PROCEDURES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY FOR MEANS AND METHODS OF DEMOLITION AND NEW CONSTRUCTION. PRIOR TO THE EXCAVATION OF FOUNDATIONS ADJACENT TO THE EXISTING STRUCTURE, PROVIDE ADEQUATE SUPPORT FOR THE SUB-BASE TO PREVENT UNDERMINING.
- DURING DEMOLITION AND RECONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE WALMART MECHANICAL CONSTRUCTION MANAGER ANY REQUIRED SAFETY BARRIERS OR BARRICADES AND DUST WALLS. REFER TO THE WALMART MECHANICAL CONSTRUCTION MANAGER FOR PHASING AND SCHEDULING DEMOLITION AND NEW CONSTRUCTION.
- DISPOSAL OF ALL DECOMMISSIONED EQUIPMENT, NOT APPORTIONED TO WALMART'S DESIGNATED SALVAGE VENDOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR IN ACCORDANCE WITH LOCAL CODES AND ANY GOVERNMENTAL REGULATIONS; REFER TO WALMART DIRECTIVES AND SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE THE PICK-UP DATE WITH THE DESIGNATED SALVAGE VENDOR, PREPARE AND LOAD THE DESIGNATED SALVAGE ITEMS, KEEPING THEM INTACT AND IN ACCORDANCE WITH LOCAL CODES AND ANY GOVERNMENTAL REGULATIONS; REFER TO WALMART DIRECTIVES AND SPECIFICATIONS. ITEMS TO BE SALVAGED BY WALMART'S DESIGNATED SALVAGE VENDOR SHALL BE LIMITED TO: VARIABLE FREQUENCY DRIVES, CONDENSING UNITS, CONDENSERS, EVAPORATORS, COPPER PIPING, ROOF TOP UNITS, AIR HANDLING UNITS, AND COMPRESSOR HOUSES.
- 8-TX DISPOSAL OF ALL DECOMMISSIONED EQUIPMENT, NOT APPORTIONED TO WALMART'S DESIGNATED SALVAGE VENDOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR IN ACCORDANCE WITH LOCAL CODES AND ANY GOVERNMENTAL REGULATIONS; REFER TO WALMART DIRECTIVES AND SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE THE PICK-UP DATE WITH THE DESIGNATED SALVAGE VENDOR, PREPARE AND LOAD THE DESIGNATED SALVAGE ITEMS, KEEPING THEM INTACT AND IN ACCORDANCE WITH LOCAL CODES AND ANY GOVERNMENTAL REGULATIONS; REFER TO WALMART DIRECTIVES AND SPECIFICATIONS. ITEMS TO BE SALVAGED BY WALMART'S DESIGNATED SALVAGE VENDOR SHALL BE LIMITED TO: REFRIGERATED CASES AS DESIGNATED BY THE WALMART CONSTRUCTION MANAGER, WALK-IN PANELS, MCCUE RAILING, VARIABLE FREQUENCY DRIVES, CONDENSING UNITS, CONDENSERS, EVAPORATORS, COPPER PIPING, ROOF TOP UNITS, AIR HANDLING UNITS, AND COMPRESSOR HOUSES.
- REFER TO SPECIFICATIONS SECTION 1500 FOR ADDITIONAL INFORMATION REGARDING STORMWATER RUNOFF CONTROL.
- 10. CONDUCT ALL DEMOLITION AND REMOVAL OF DEBRIS AS REQUIRED TO ENSURE MINIMUM INTERFERENCE WITH BUILDING/SITE FACILITIES AND OPERATIONS.
- 1. NOTES INDICATING DEMOLITION WORK ARE NOT CONFINED SOLELY TO THE DEMOLITION PLANS. THE CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS, INCLUSIVE OF SCHEDULES AND SPECIFICATIONS, TO DETERMINE FULL EXTENT OF DEMOLITION WORK.

# **DEMOLITION NOTES**

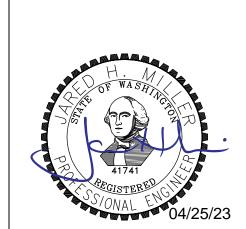
- REMOVAL OF ANY SALVAGE EQUIPMENT OR DEBRIS IS PROHIBITED. THIS INCLUDES THE SALE OF COPPER, ALUMINUM, OR ANY RELATED MATERIALS.
- 2. WHERE APPLICABLE COOLER PANEL MANUFACTURER SHALL DEMOLISH AND PROMPTLY HAUL OFF WALK-IN PANELS AND DOORS TO BE REPLACED.
- DURING DEMOLITION AND RECONSTRUCTION PHASES, COORDINATE LOCATION OF ALL DUST WALLS AND SECURITY ENCLOSURES WITH WALMART STORE MANAGER. REFER TO DUST WALL DETAIL.
- . ALL NEW EQUIPMENT MUST BE ON SITE PRIOR TO STARTING ANY DEMOLITION OR CONSTRUCTION.
- 5. PATCH/REPAIR FLOOR COVERING AS REQUIRED AFTER INSTALLATION OF NEW CASES. MATCH EXISTING FLOORING TYPE, COLOR, PATTERN, AND FINISH.

# CONSTRUCTION LEGEND

EXISTING TO REMAIN
DEMOLISHED

AREA TO BE DEMOLISHED





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

DEMOLITION PLAN

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

EXISTING CONDITIONS.

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

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EQUIPMENT SCHEDULE									
NO.	QTY	CASE LENGTH	DESCRIPTION	MANUFACTURER	MODEL	SUPPLIED BY	INSTALLED BY	FINAL CONNECT	NOTE
-	-	-	REFRIGERATED SYSTEMS	HUSSMANN	-	WM	С	С	
W506	1	-	46" PREBUILT WEDGE ASSEMBLY	QUALSERV SOLUTIONS LLC	WMWG46ST	С	С	С	
RH0135.000	1	8FT	SERVICE/SELF SERVICE HOT CASE	CUSTOM DELI'S, INC	ILW-CB-SS	WM	С	С	1
RH0122.000	1	4FT	SELF SERVICE HOT CASE	CUSTOM DELI'S, INC	DILW-SS	WM	С	С	1
RD4043.042	2	12FT	MULTI-DECK DELI CASE (BOTTOM FED)	HILL PHOENIX	ON5DMX-NRG	WM	С	С	1
RD1073.652	1	12FT	MULTI-DECK DELI CASE (BOTTOM FED)	HILL PHOENIX	PF-54-R	WM	С	С	1
RD2020.642	1	12FT	SERVICE DELI (BOTTOM FED)	HILL PHOENIX	BMD	WM	С	С	1

C - CONTRACTOR WM - WALMART

PM - PANEL MANUFACTURE

R - REFRIGERATION OEM VENDOR

V - VENDOR

1 FINISHES FOR OWNER SUPPLIED EQUIPMENT ARE SPECIFIED PER BID ALIGNMENT BETWEEN OWNER AND OEM

T. FINISE	IES FOR	OWNER SUPPLIED EQU	JIPMENT ARE SPECIFIED P	ER BID ALIGN
	W	EDGE EQUIP	MENT LEGENI	D
WDS NO.	QTY.	DESCRIPTION	MFR OR SUPPLIER	MODEL NO
W506	1	46" PREBUILT WEDGE ASSEMBLY	QUALSERV SOLUTIONS LLC	WMWG46ST
GENERAL	WEDGE NO	OTES:		
A. GC FUR	NISHED AN	ND INSTALLED.		
B. SIDE SC	RIBE PIECE	S PROVIDED WITH WEDGE	. FIELD CUT TO FIT.	
C. WEDGE	TOP AND	BACK PIECE PROVIDED WIT	H WEDGE. FIELD CUT TO FIT.	
GROCERY	DRY WED	GE KIT CONTACT:		
QUALSER\	/			
(479) 646-	8386 X-31	0 ATTN: DION CHAMBERS		
TWO WEE	K MINIMU	IM LEAD TIME		
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	Building	Planning
	Engineering	Public Works
	Fire OF W	SHITraffic

# **GENERAL NOTES**

- EXISTING REFRIGERATION CASES, BOLLARDS, AND DOOR PROTECTION TO REMAIN, UNLESS OTHERWISE NOTED ON PLANS.
- REFER TO SHEET T1 FOR GENERAL REQUIREMENTS. ALL REQUIREMENTS ARE APPLICABLE TO COOLER/FREEZER BATTEN
- STRIP INSTALLATIONS. AFTER WALMART REMOVES THE PRODUCT FROM THE WALK-IN BOX, THE CONTRACTOR
- SHALL REMOVE THE STEEL SHELVING TO ACCESS THE BATTEN STRIP INSTALLMENT. ANY WALL PANELS PUSHED OFF FLOOR SCREED BUST BE RESET IN PLACE, RE-CAULKED AND RE-ANCHORED TO THE FLOOR.
  - AFTER WALK-IN HAS BEEN ALLOWED TO THAW, AND UPON RECONDITIONING OF THE PANELS, RESEAL BETWEEN CEILING PANEL AND THE TOP OF WALL PANEL WITH BUTYL CAULK. AFTER SEALING OPENINGS, INSTALL (5/16" OR 3/8"X6") LAG BOLTS AT 24" O.C. FROM TOP SIDE OF WALK-IN, TO PULL CEILING PANEL DOWN AGAINST WALL PANEL. CONTRACTOR SHALL MODIFY EXISTING
- SURFACE MOUNTED ELECTRICAL DEVICES (CONDUITS, JUNCTION BOXES, ETC.) WITHIN WALK-INS AS NECESSARY FOR THE UNOBSTRUCTED INSTALLATION OF WALK-IN PANEL SEAM BATTEN STRIPS. MODIFICATIONS MAY INCLUDE LOOSENING, REMOVEL, RE-TIGHTNING, RE-INSULLATION, AND/OR RELOCATION OF DEVICES. JUNCTION BOXES SHOULD BE MODIFIED SUCH THAT THEY ARE NOT LOCATED WITHIN 7" OF PANEL SEAM. CONTRACTOR SHALL VERIFY CONDITION OF MODIFIED ELECTRICAL DEVICES PRIOR TO MODIFICATION TO ENSURE THEY MEET ALL U.L. RATINGS AND REPLACE AS REQUIRED. SEAL ALL NEW AND ABANDONED WALK-IN PANEL PENETRATIONS ASSOCIATED WITH MODIFIED ELECTRICAL DEVICE MOUNTING WITH SILICONE SEALANT. COORDINATE WITH WALK-IN PANEL SEAM BATTEN STRIP INSTALLER. DIMENSIONS ON THE FIXTURE PLANS ARE FOR LAYOUT OF OWNER-FURNISHED ITEMS ONLY AND ARE NOT TO BE USED FOR LOCATION OF WALLS AND OTHER CONTRACTOR BUILT ITEMS.

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- ALL NEW EQUIPMENT MUST BE ON SITE PRIOR TO STARTING ANY DEMOLITION OR CONSTRUCTION.
- WALK-IN COOLERS/FREEZERS FURNISHED AND INSTALLED BY COOLER PANEL MANUFACTURER. ALL NEW EQUIPMENT MUST BE ON SITE PRIOR TO STARTING ANY DEMOLITION OR CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MISCELLANEOUS WALK-IN COOLER/FREEZER WORK INCLUDING BUT NOT LIMITED TO EVAPORATORS, ELECTRICAL, EMS, SPRINKLER PENDANTS, CURBS, SANITARY COVE BASE, THRESHOLDS, FLOOR REPAIR AND RACKING.
- PROPER INSTALLATION OF JOINT SEALANTS IS CRITICAL TO MEETING WALMART QUALITY ASSURANCE STANDARDS. PROVIDE SEALANTS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS. REFERENCE SPECIFICATIONS FOR SEALANT SCHEDULE.
- ALL JOINTS BETWEEN DISSIMILAR MATERIALS SHALL BE SEALED AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, REGARDLESS OF WHETHER SHOWN ON THE DRAWINGS OR INDICATED IN THE SPECIFICATIONS. SUCH JOINTS NOT SHOWN OR SCHEDULED SHALL BE SEALED WITH SEALANTS CONSISTENT WITH SPECIFIED MATERIALS OR AS RECOMMENDED BY THE MANUFACTURER FOR THE SPECIFIC APPLICATION.
- INTERIOR SEALANTS USED IN FOOD PREPARATION AREAS SHALL MEET THE REQUIREMENTS FOR USE IN USDA REGULATED FACILITIES.
- INSTALL CONTINUOUS USDA APPROVED SEALANT AT ALL JOINTS BETWEEN MATERIALS ON WALLS AND FLOORS IN FOOD PREPARATION COOLER AND FREEZER AREAS.
- ALL FIXED (NON-MOVEABLE) EQUIPMENT INCLUDING SINKS, OVENS, AND REFRIGERATED EQUIPMENT SHALL BE SEALED TO THE WALLS. BASE OR LEGS SHALL BE SET IN A BED OF SEALANT WITH EXCESS REMOVED. MOVEABLE EQUIPMENT SHALL NOT BE SEALED.
- ROUTE ALL UTILITY SERVICE LINES (PIPES AND CONDUIT) WITHIN STUD WALLS WHEREVER POSSIBLÉ. ON COOLER/FREEZER PANELS IN FOOD PREP AREAS WHERE UTILITIES MUST BE EXPOSED, CONTRACTOR TO HAVE THE OPTION OF THE FOLLOWING:
- A. SURFACE MOUNT UTILITIES WITH NON-CORROSIVE ANCHORS; SEAL BOTH SIDES OF PIPE/CONDUIT TO PANEL
- CONTINUOUSLY WITH SEALANT. B. INSTALL UTILITIES 1/2" OFF FACE OF PANEL TO ALLOW FOR CLEANING; USE ONLY NON-CORROSIVE MATERIALS FOR SPACERS AND ANCHORS. C. COVER UTILITIES WITH 20 GAUGE STAINLESS STEEL BENT PLATES MOUNTED TO WALL WITH NON-
  - CORROSIVE ANCHORS; APPLY CONTINUOUS SEALANT ALONG EDGES AND JOINTS.

# CONSTRUCTION LEGEND EXISTING TO REMAIN

DEMOLISHED

AREA TO BE DEMOLISHED NEW WALL CONSTRUCTION

NEW COOLER WALL CONSTRUCTION



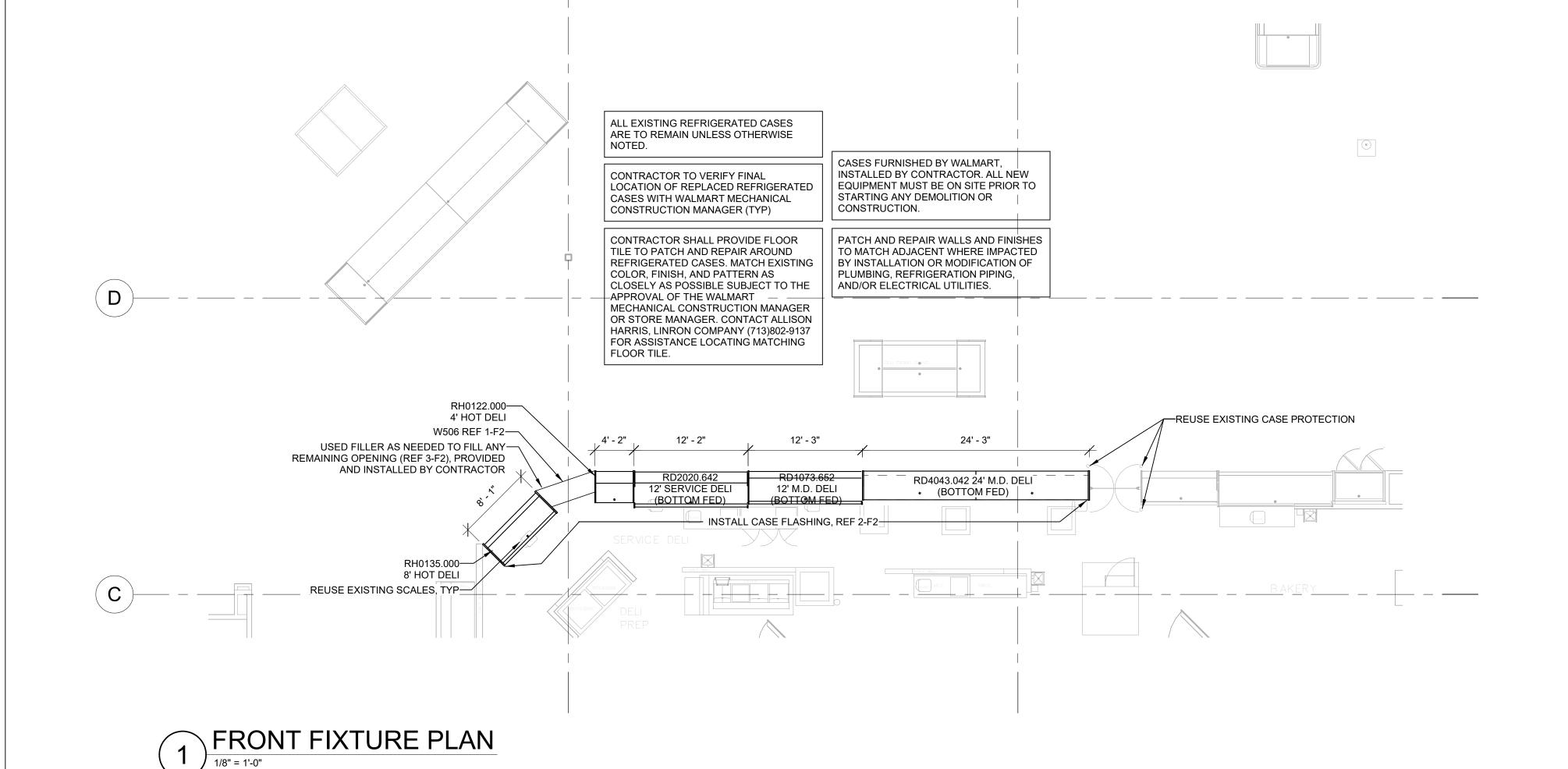
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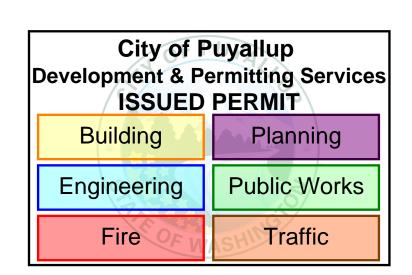
> **FIXTURE PLANS**

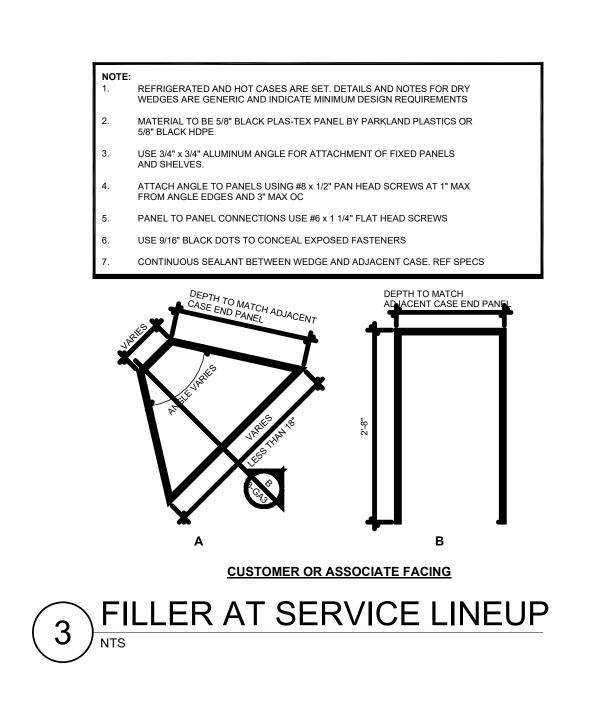
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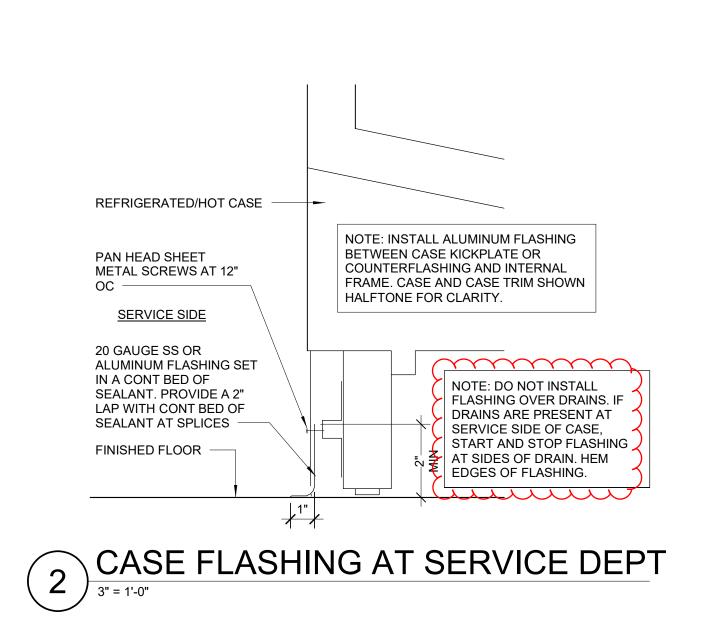
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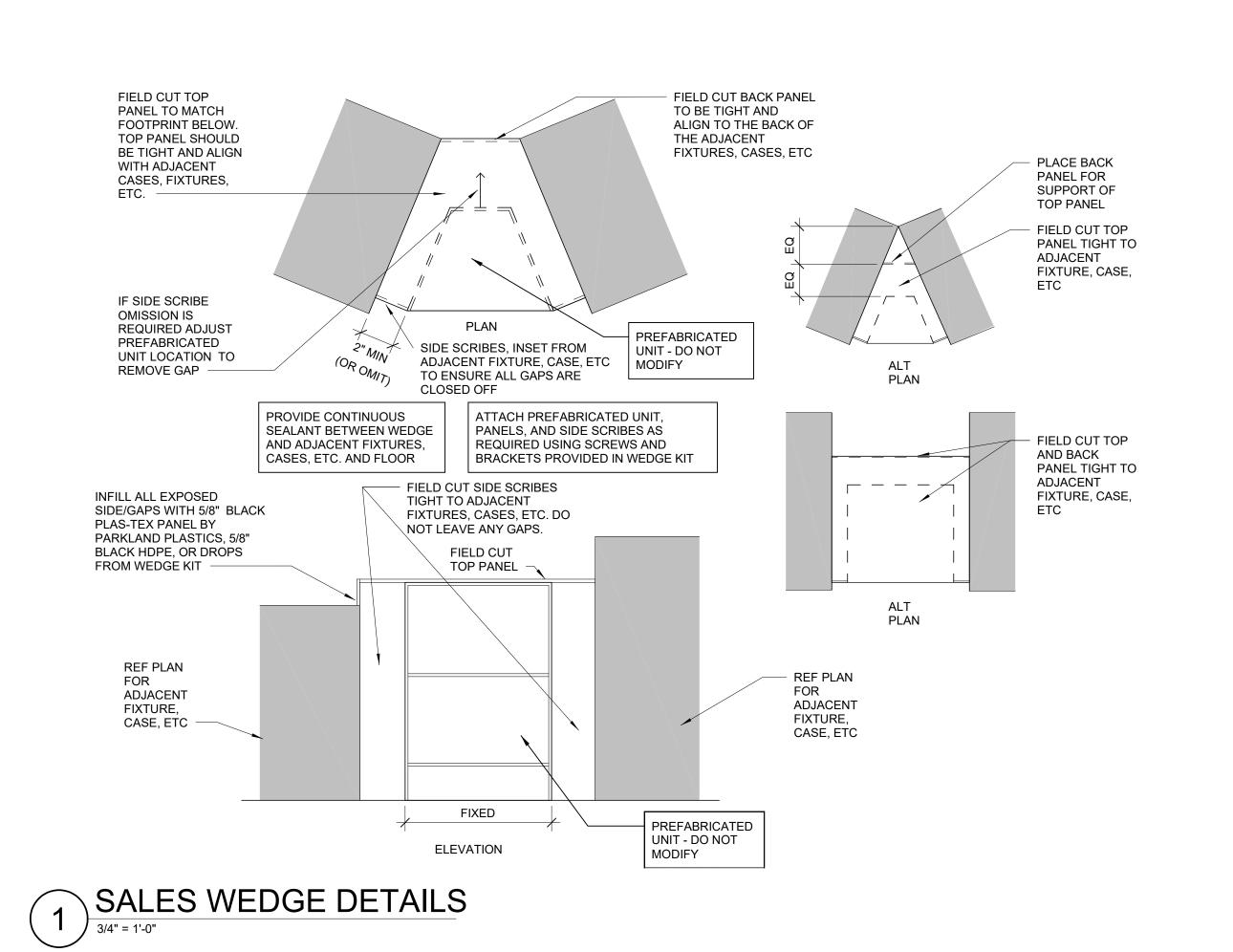
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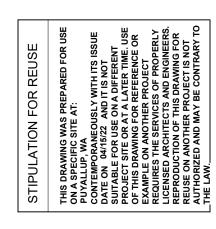
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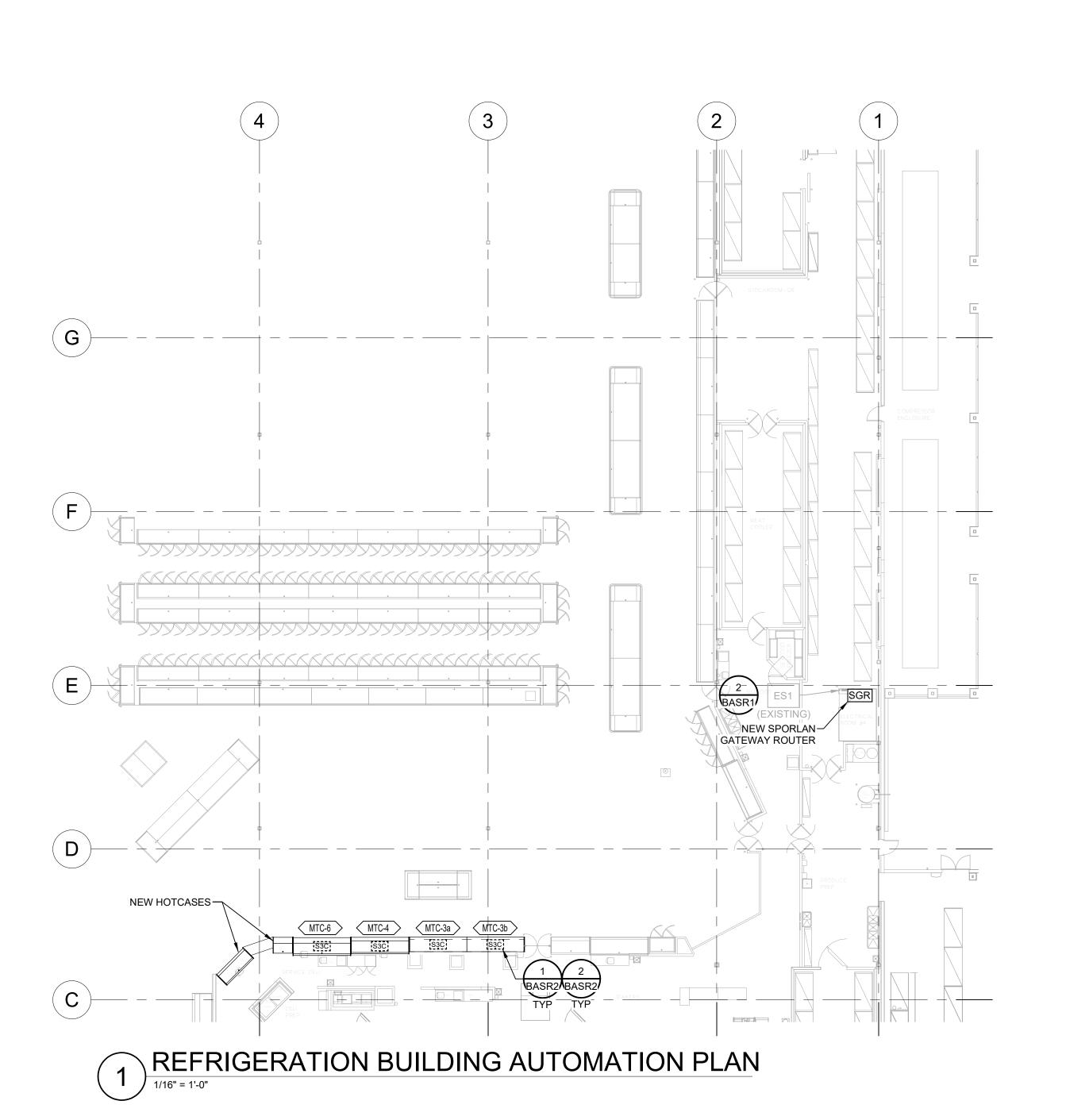


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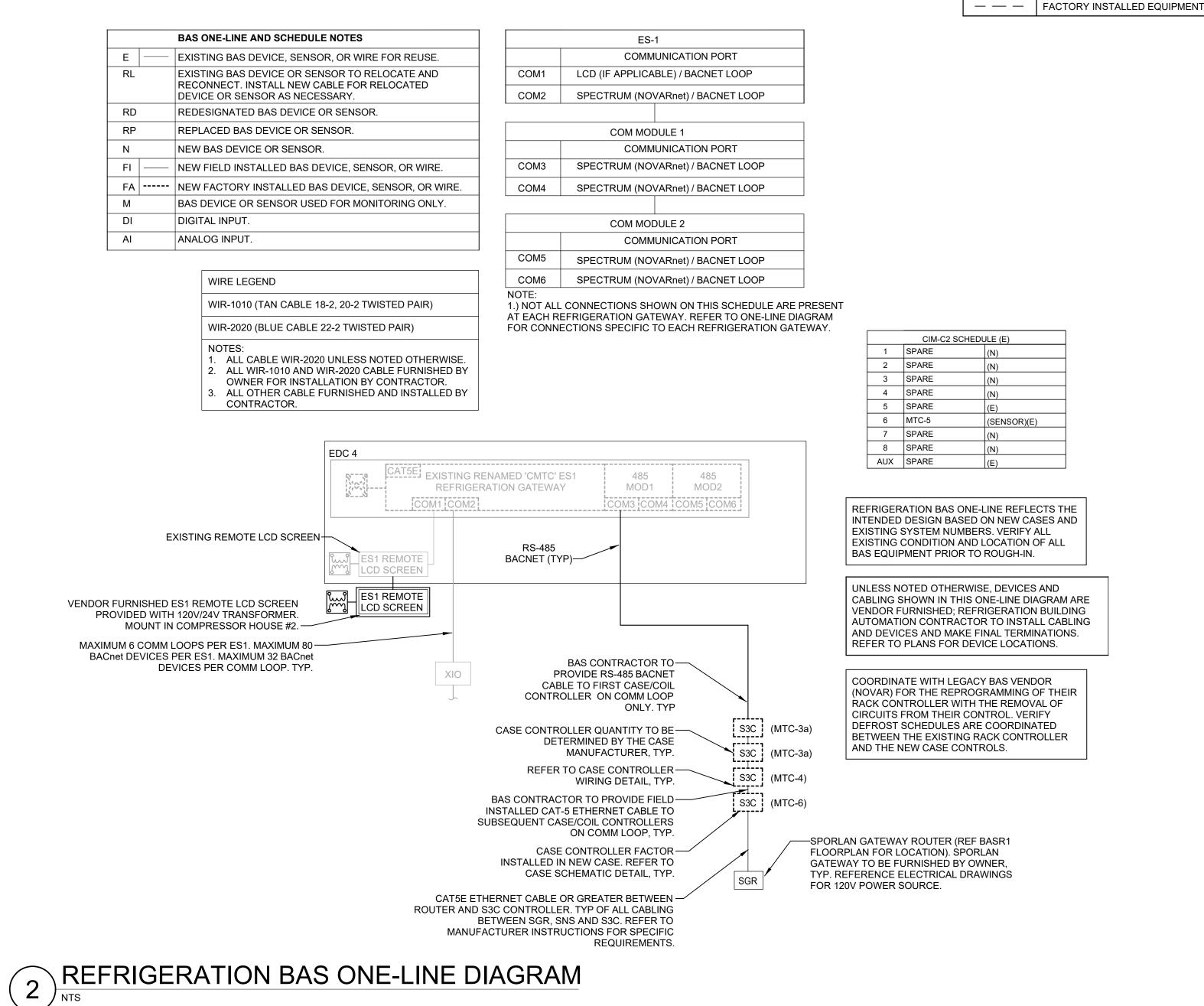
FIXTURE DETAILS

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- /- >	Puyallup ermitting Services PERMIT
Building	Planning
Engineering	Public Works
Fire	Traffic







WHERE EXISTING REFRIGERATION CHASES ARE BEING REMOVED, ANY DAMAGED OR IMPROPERLY SUPPORTED BAS CONDUITS WITHIN CHASE SHALL BE REPAIRED OR REPLACED AS REQUIRED. ANY EXISTING BAS CABLING WITHIN CHASE NOT INSTALLED IN CONDUIT SHALL BE RE-ROUTED THROUGH NEW CONDUIT. FINAL APPROVAL BY WALMART CONSTRUCTION MANAGER. REFERENCE ARCHITECTURAL DRAWINGS FOR REFRIGERATION

	BAS SYMBOLS
10.24.40	DAS STIVIDULS
12.21.18 E2E	REFRIGERATION NETWORK GATEWAY
ES1	REFRIGERATION NETWORK GATEWAY
BAS	BUILDING AUTOMATION SYSTEM
TEMP	TEMPERATURE
VFD	VARIABLE FREQUENCY DRIVE
	BACKBOARD
М	CASE INPUT MODULE
(LTA-X)	REFRIGERATION CIRCUIT
P	PRESSURE TRANSDUCER
<u>(s)</u>	TEMPERATURE SENSOR
DTS	DUAL TEMP SWITCH
RIB	RELAY IN BOX
C-##	CONTACTOR
RIB/C-##	RELAY IN BOX & CONTACTOR PANEL
RIM	RACK INPUT MODULE
ROM	RACK OUTPUT MODULE
CIM CIM/2	CASE INPUT MODULE
S3C	REFRIGERATION CASE/CIRCUIT CONTROLLER (SPORLAN)
SGR	SPORLAN GATEWAY ROUTER
SNS	SPORLAN NETWORK SWITCH
I/O	INPUT/OUTPUT MODULE
IR	INTERFACE RELAY
8IM	UNIVERSAL INPUT MODULE
MINio	INPUT/OUTPUT MODULE
RCC	RCC CASE/CIRCUIT CONTROLLER (NOVAR)
[XCM]	REFRIGERATION RCU CONTROLLER (EMERSON)
	AUDIO\VISUAL ALARM
HS	HORN AND STROBE INDICATOR
LDP	LEAK DETECTION PANEL
L	MRLDS LEAK DETECTOR SENSOR

**NEW EQUIPMENT** 

EXISTING EQUIPMENT

### **GENERAL REFRIGERATION BAS NOTES**

BAS CONTRACTOR SHALL CONTACT THE BAS SUPPLIER(S) TO OBTAIN A CURRENT MODULE CONFIGURATION PRINTOUT BEFORE TERMINATING SENSOR LEADS AT INPUT MODULES. THE REQUEST FOR THE CONFIGURATION PRINTOUT SHALL BE MADE PRIOR TO THE INSTALLATION OF BAS CABLES. WIRING TERMINATIONS SHALL BE LANDED ACCORDING TO THE BAS SUPPLIER CONFIGURATION SHEETS.

BAS CONTRACTOR SHALL PROVIDE COMPLETED REFRIGERATION SENSOR INPUT VERIFICATION FORMS TO THE BAS SUPPLIER(S) AT THE BEGINNING OF THE REFRIGERATION EQUIPMENT

STARTUP. BAS INSTALLER SHALL PROVIDE ASSISTANCE TO THE BAS SUPPLIER(S) FOR SPOT CHECKING OF SENSORS FOR ACCURACY. ALL BAS CABLE ON THE SALES FLOOR SHALL BE ROUTED IN CONDUIT AND CONCEALED FROM VIEW AND ROUTED ALONGSIDE OTHER PIPING OR

BAS CONTRACTOR SHALL BE PRESENT AND AVAILABLE TO RESOLVE ISSUES AND PROVIDE REFRIGERATION STARTUP ASSISTANCE UNTIL RELEASED BY THE BAS SUPPLIER AND WALMART MECHANICAL CONSTRUCTION MANAGER.

CONDUIT AS MUCH AS POSSIBLE.

DURING THE REFRIGERATION STARTUP, BAS CONTRACTOR SHALL COMPLETE ALL UNRESOLVED REFRIGERATION WORK PRIOR TO WORKING ON OTHER BAS INSTALLATION ITEMS. WHEN THE BAS SUPPLIER IS NOT SCHEDULED TO PERFORM THE ON SITE REFRIGERATION STARTUP, THE BAS CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL CHECKS AND TEST TO ENSURE A FULLY FUNCTIONAL REFRIGERATION CONTROL SYSTEM. CONTACT THE BAS SUPPLIER FOR THE BLANK TEST VERIFICATION FORMS AND INSTRUCTIONS FOR COMPLETING. ALL COMPLETED TEST

REFER TO ARCHITECTURAL DRAWINGS FOR PIPING INSTALLATION AND SEALING REQUIREMENTS FOR DEVICES SHOWN ON COOLER/FREEZER PANELS. DO NOT INSTALL PIPING WITHIN COOLER/FREEZER PANELS.

VERIFICATION FORMS SHALL BE RETURNED TO THE WALMART MECHANICAL CONSTRUCTION

MANAGER.

ROUTE ALL UTILITY SERVICE LINES (PIPES AND CONDUIT) WITHIN STUD WALLS WHEREVER POSSIBLE. ON COOLER/FREEZER PANELS IN FOOD PREP AREAS WHERE UTILITIES MUST BE EXPOSED, CONTRACTOR TO HAVE THE OPTION OF THE FOLLOWING:

- A. SURFACE MOUNT UTILITIES WITH NON-CORROSIVE ANCHORS; SEAL BOTH SIDES OF PIPE/CONDUIT TO PANEL
- CONTINUOUSLY WITH SEALANT. INSTALL UTILITIES 1/2" OFF FACE OF PANEL TO ALLOW FOR CLEANING; USE ONLY NON-CORROSIVE MATERIALS FOR
- SPACERS AND ANCHORS. C. COVER UTILITIES WITH 20 GAUGE STAINLESS STEEL BENT PLATES MOUNTED TO WALL WITH NON-CORROSIVE ANCHORS; APPLY CONTINUOUS SEALANT ALONG EDGES AND JOINTS.

REFERENCE ARCHITECTURAL DEMOLITION PLANS FOR FULL EXTENT OF DEMOLITION WORK

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

## **BAS EQUIPMENT SALVAGE REQUIREMENTS**

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.

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BUILDING AUTOMATION SYSTEM

BASR1

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

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

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CIRCUIT #	APPLICATION	MODEL NUMBER	MFR	LOWER LIMIT (°F)	MANUFACTURER'S TARGET (°F)	UPPER LIMIT (°F)	STARTING SUPERHEAT SETPOINT (°F)	FREQUENCY PER DAY	PUMP OUT TIME (MIN)	MAX DURATION (MIN)	TERMINATION TEMP (°F)	DRIP TIME (MIN)	Defrost 1	Defrost 2	Defrost 3	Defrost 4	Defrost 5	Defrost 6
C1	Deli Promo Island	ON3UM/EM	HILL PHOENIX	ETR	ETR	ETR	ETR	4	0	45	45	0	0:40	6:40	12:40	18:40		
C2	Poultry Cooler W.I.	WKE100B	BOHN	ETR	ETR	ETR	ETR	3	0	40	55	3	5:11	13:11	21:11	123		
C3	M.D. Deli	ON5DMX-NRG** (RD4043.042)	HILL PHOENIX	ETR	ETR	ETR	6-8	6	0	40	47	0	0:00	4:00	8:00	12:00	16:00	20:
C4	M.D. Deli	PF-54-R** (RD1073.652)	HILL PHOENIX	ETR	ETR	ETR	6-8	6	0	36	45	0	1:25	5:25	9:25	13:25	17:25	
C5	M.T. Cake	B31-UN	KYSOR WARREN	ETR	ETR	ETR	ETR	4	0	40	55	0	2:01	8:01	14:01	20:01		
C6	Service Deli	BMD** (RD2020.642)	HILL PHOENIX	ETR	ETR	ETR	10	6	0	30	42	0	2:41	6:41	10:41	14:41	18:41	22:
C7	M.D. Fresh Meat	OHMH	HILL PHOENIX	ETR	ETR	ETR	ETR	4	0	45	47	0	3:11	9:11	15:11	21:11		
C8	M.D. Fresh Meat	OHMH	HILL PHOENIX	ETR	ETR	ETR	ETR	4	0	45	47	0	4:26	10:26	16:26	22:26		
C9	M.D. Fresh Meat	ОНМН	HILL PHOENIX	ETR	ETR	ETR	ETR	4	0	45	47	0	5:54	11:54	17:54	23:54		
C10	M.D. Deli	O5DM	HILL PHOENIX	ETR	ETR	ETR	ETR	4	0	42	47	0	6:39	12:39	18:39	0:39		
C11	M.T. Narrow Coffin	NFN	TYLER	ETR	ETR	ETR	ETR	1	0	36	60	3	10:10					
C12	M.T. Coffin w/ Ends	NFJ/NFJE	TYLER	ETR	ETR	ETR	ETR	1	0	36	60	3	10:49					
C13	M.D. Deli	O5DM	HILL PHOENIX	ETR	ETR	ETR	ETR	4	0	42	47	0	7:21	13:21	19:21	1:21		
C14	M.T. Coffin w/ Ends	NFJ/NFJE	TYLER	ETR	ETR	ETR	ETR	1	0	36	60	3	11:28					
C15	M.D. Dairy	O5DM	HILL PHOENIX	ETR	ETR	ETR	ETR	4	0	42	47	0	8:03	14:03	20:03	2:03		
C16	M.D. Dairy	O5DM	HILL PHOENIX	ETR	ETR	ETR	ETR	4	0	42	47	0	8:45	14:45	20:45	2:45		
C17	M.T. Coffin w/ Ends	NFN	TYLER	ETR	ETR	ETR	ETR	2	0	40	50	3	9:27	21:27				

HUSSMANN | ETR | ETR | ETR | 6 | 0 | 30 | 54 | 0 | 3:56 | 7:56 | 11:56 | 15:56 | 19:56 | 23:56 |

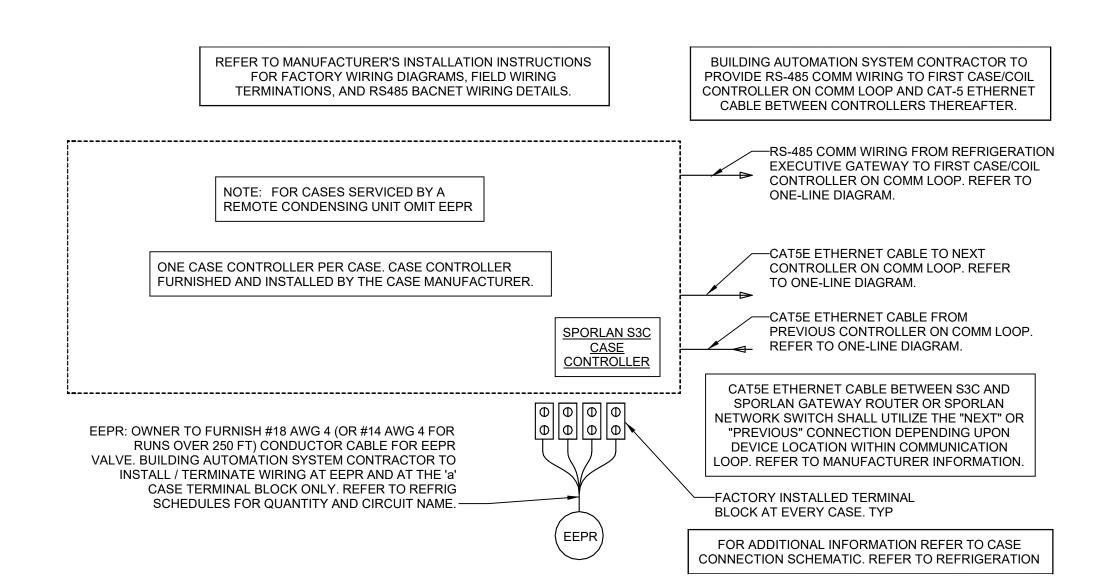
Information included in this schedule is taken from manufacturer's submittals. Parameters above are to be used in programming new/replaced cases/coils only.

Contractor to verify information against latest submittals available at time cases/coils are delivered.

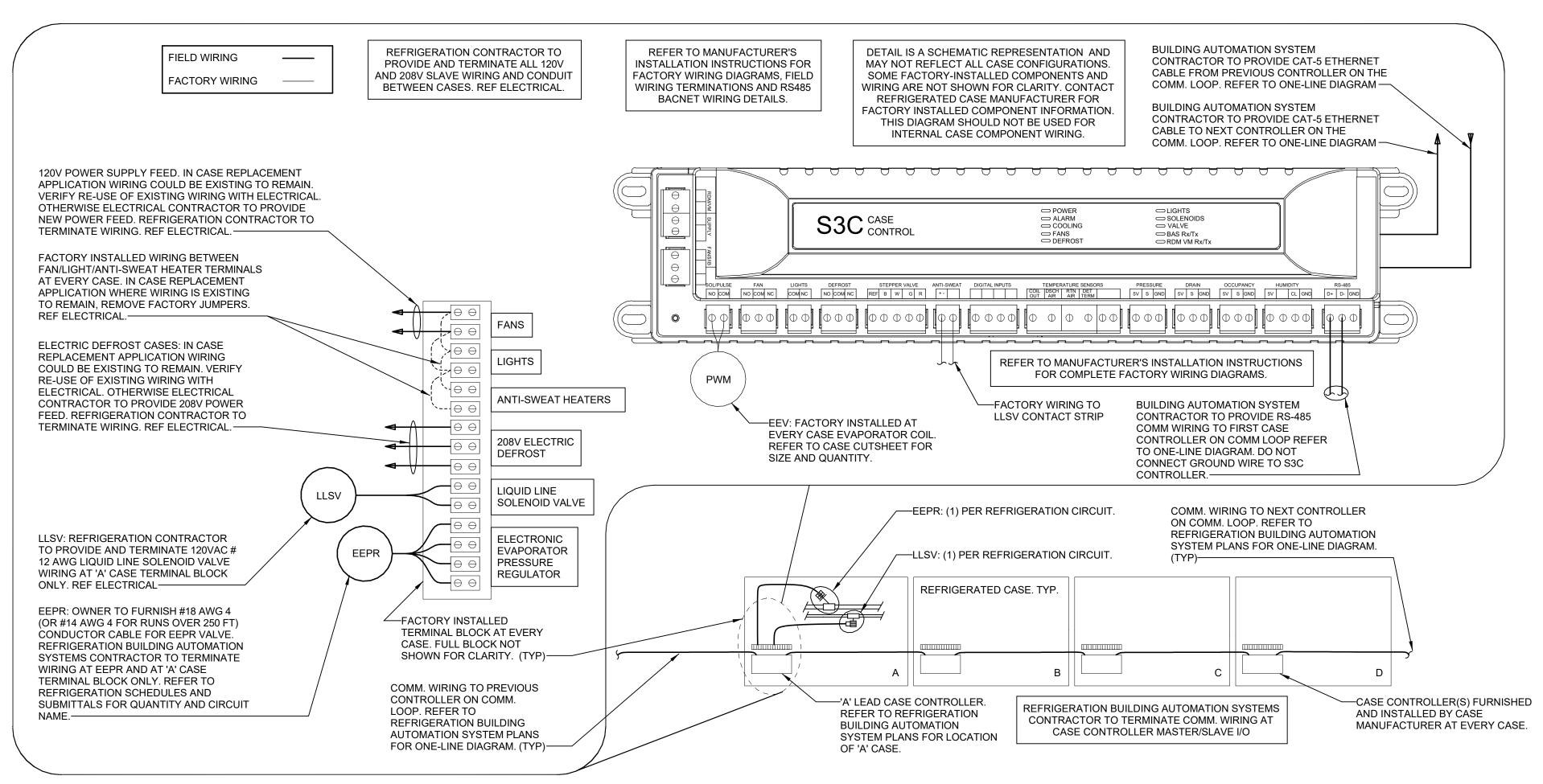
SUB-MNCD for legacy controller is 2 (MAX DRAW 61.1 AMPS) SUB-MNCD for ES1 controller is 0

M.D. Cake

C18



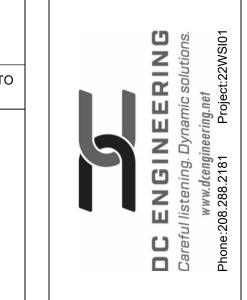
CASE CONTROLLER WIRING (SPORLAN)

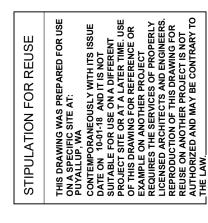


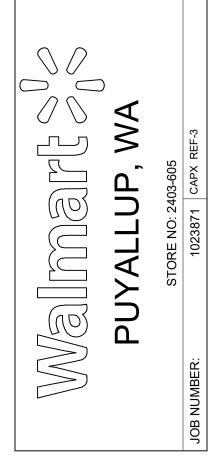
CASE CONNECTION SCHEMATIC (SPORLAN, ON RACK) 1 / 1/8" = 1'-0" 01/25/18

**SHEET NOTES** 

REFER TO SHEET BASR4 FOR ALL NOTES PERTAINING TO THIS SHEET.



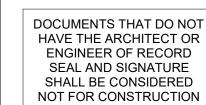




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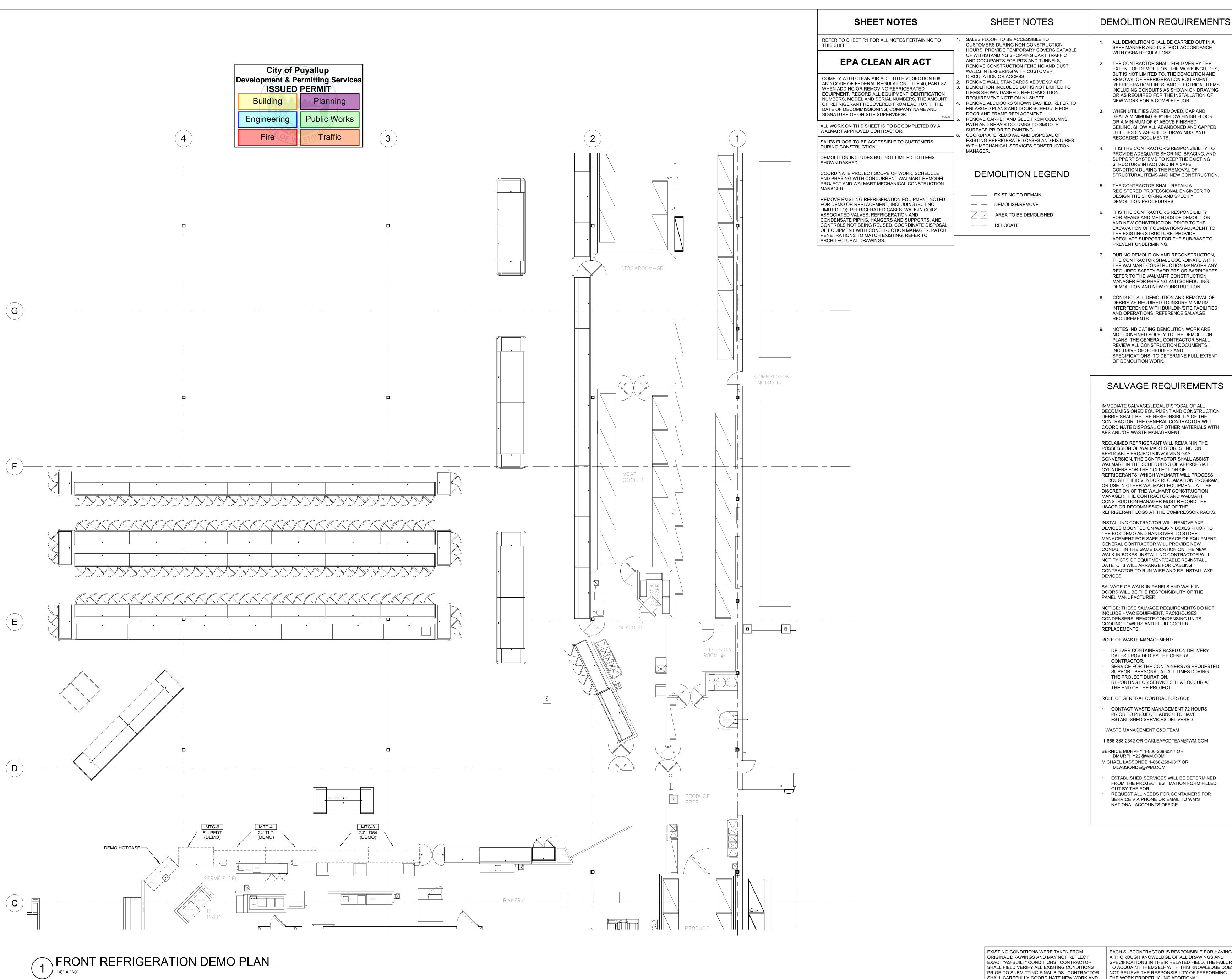


BUILDING **AUTOMATION** SYSTEM

BASR2

EXISTING CONDITIONS WERE TAKEN FROM EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING ORIGINAL DRAWINGS AND MAY NOT REFLECT A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR NOT RELIEVE THE RESPONSIBILITY OF PERFORMING SHALL CAREFULLY COORDINATE NEW WORK AND THE WORK PROPERLY. NO ADDITIONAL DEMOLITION WITH ALL OTHER DISCIPLINES AND

EXISTING CONDITIONS.



DEMOLITION REQUIREMENTS

THE CONTRACTOR SHALL RETAIN A REGISTERED PROFESSIONAL ENGINEER TO DESIGN THE SHORING AND SPECIFY DEMOLITION PROCEDURES.

6. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR MEANS AND METHODS OF DEMOLITION AND NEW CONSTRUCTION. PRIOR TO THE EXCAVATION OF FOUNDATIONS ADJACENT TO THE EXISTING STRUCTURE, PROVIDE ADEQUATE SUPPORT FOR THE SUB-BASE TO PREVENT UNDERMINING.

> DURING DEMOLITION AND RECONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE WALMART CONSTRUCTION MANAGER ANY REQUIRED SAFETY BARRIERS OR BARRICADES. REFER TO THE WALMART CONSTRUCTION MANAGER FOR PHASING AND SCHEDULING DEMOLITION AND NEW CONSTRUCTION.

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DEBRIS AS REQUIRED TO INSURE MINIMUM INTERFERENCE WITH BUKLDIN/SITE FACILITIES AND OPERATIONS. REFERENCE SALVAGE REQUIREMENTS.

9. NOTES INDICATING DEMOLITION WORK ARE NOT CONFINED SOLELY TO THE DEMOLITION PLANS. THE GENERAL CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS. INCLUSIVE OF SCHEDULES AND SPECIFICATIONS, TO DETERMINE FULL EXTENT OF DEMOLITION WORK.

# SALVAGE REQUIREMENTS

DECOMMISSIONED EQUIPMENT AND CONSTRUCTION DEBRIS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE GENERAL CONTRACTOR WILL COORDINATE DISPOSAL OF OTHER MATERIALS WITH AES AND/OR WASTE MANAGEMENT.

POSSESSION OF WALMART STORES, INC. ON APPLICABLE PROJECTS INVOLVING GAS CONVERSION. THE CONTRACTOR SHALL ASSIST WALMART IN THE SCHEDULING OF APPROPRIATE CYLINDERS FOR THE COLLECTION OF REFRIGERANTS, WHICH WALMART WILL PROCESS THROUGH THEIR VENDOR RECLAMATION PROGRAM, OR USE IN OTHER WALMART EQUIPMENT, AT THE DISCRETION OF THE WALMART CONSTRUCTION MANAGER. THE CONTRACTOR AND WALMART CONSTRUCTION MANAGER MUST RECORD THE USAGE OR DECOMMISSIONING OF THE REFRIGERANT LOGS AT THE COMPRESSOR RACKS.

INSTALLING CONTRACTOR WILL REMOVE AXP DEVICES MOUNTED ON WALK-IN BOXES PRIOR TO THE BOX DEMO AND HANDOVER TO STORE MANAGEMENT FOR SAFE STORAGE OF EQUIPMENT. GENERAL CONTRACTOR WILL PROVIDE NEW CONDUIT IN THE SAME LOCATION ON THE NEW WALK-IN BOXES. INSTALLING CONTRACTOR WILL NOTIFY CTS OF EQUIPMENT/CABLE RE-INSTALL DATE. CTS WILL ARRANGE FOR CABLING CONTRACTOR TO RUN WIRE AND RE-INSTALL AXP

SALVAGE OF WALK-IN PANELS AND WALK-IN DOORS WILL BE THE RESPONSIBILITY OF THE PANEL MANUFACTURER.

NOTICE: THESE SALVAGE REQUIREMENTS DO NOT INCLUDE HVAC EQUIPMENT, RACKHOUSES CONDENSERS, REMOTE CONDENSING UNITS, COOLING TOWERS AND FLUID COOLER

ROLE OF WASTE MANAGEMENT:

DELIVER CONTAINERS BASED ON DELIVERY DATES PROVIDED BY THE GENERAL

SERVICE FOR THE CONTAINERS AS REQUESTED. SUPPORT PERSONAL AT ALL TIMES DURING THE PROJECT DURATION. REPORTING FOR SERVICES THAT OCCUR AT

ROLE OF GENERAL CONTRACTOR (GC):

CONTACT WASTE MANAGEMENT 72 HOURS PRIOR TO PROJECT LAUNCH TO HAVE

WASTE MANAGEMENT C&D TEAM

1-866-338-2342 OR OAKLEAFCDTEAM@WM.COM

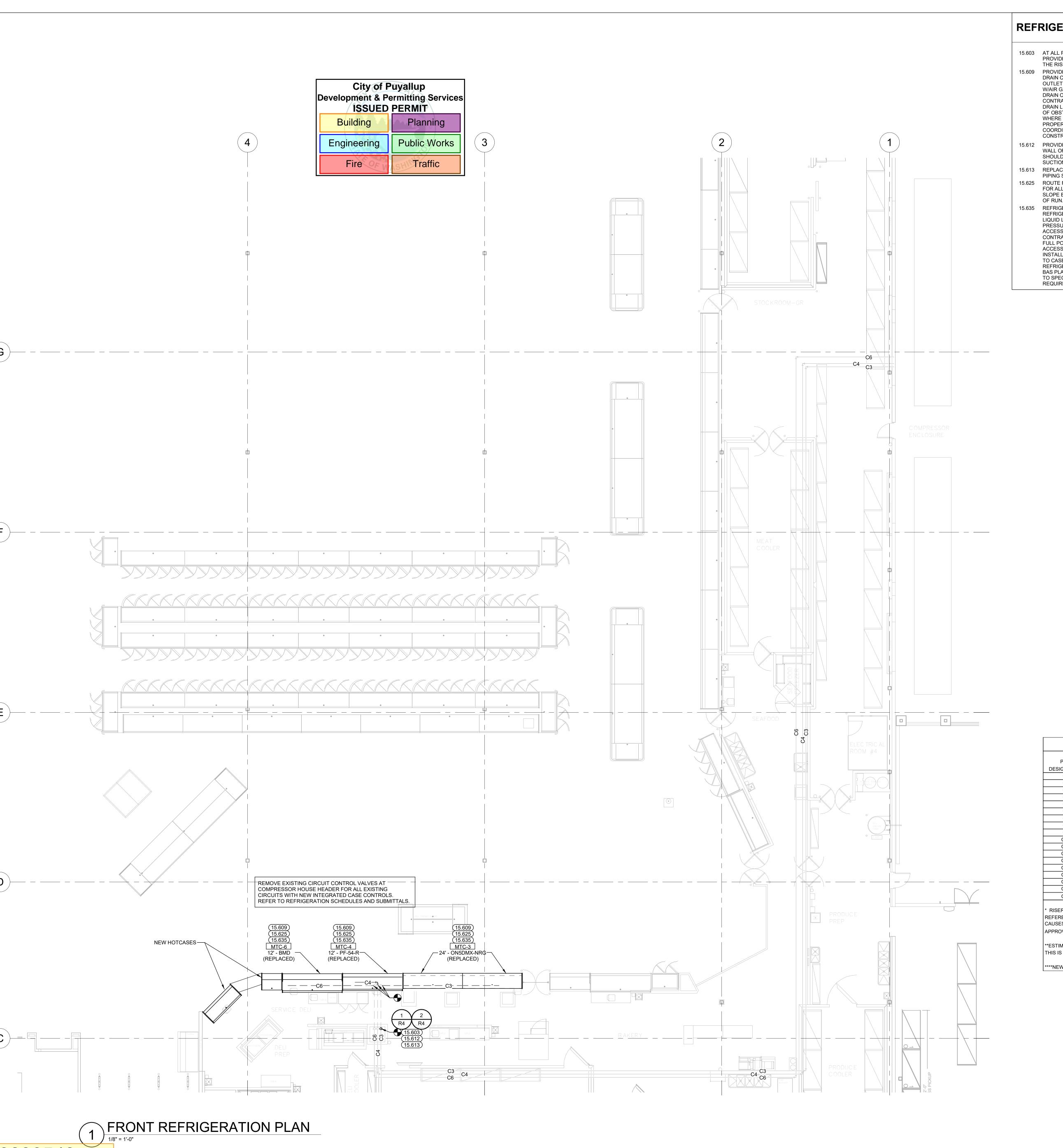
BMURPHY22@WM.COM MICHAEL LASSONDE 1-860-268-6317 OR

ESTABLISHED SERVICES WILL BE DETERMINED FROM THE PROJECT ESTIMATION FORM FILLED OUT BY THE EOR. REQUEST ALL NEEDS FOR CONTAINERS FOR SERVICE VIA PHONE OR EMAIL TO WM'S



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

REFRIGERATION **DEMO PLAN** 



REFRIGERATION KEYNOTES | REFRIGERATION SYMBOLS

15.603 AT ALL POINTS WHERE SUCTION LINES RISE, PROVIDE A SUCTION LINE TRAP AT THE BASE OF THE RISER. 15.609 PROVIDE PVC DRAIN LINE FROM EACH CASE

DRAIN CONNECTION SAME SIZE AS CASE OUTLET, AND END OVER FLOOR RECEPTOR W/AIR GAP: PITCH DRAINS 1/8" PER 12". PROVIDE DRAIN COVER GRATE TO MATCH EXISTING. CONTRACTOR SHALL ENSURE RECEPTOR(S) AND DRAIN LINE(S) SERVING CASE LINE-UP ARE FREE OF OBSTRUCTIONS AND FUNCTION PROPERLY. WHERE EXTENSIVE DAMAGE EXISTS AND/OR PROPER DRAINAGE CANNOT BE OBTAINED COORDINATE WITH WALMART MECHANICAL CONSTRUCTION MANAGER. 15.612 PROVIDE INTERMEDIATE SUCTION LINE TRAP IN

WALL OR VOID SPACE. INTERMEDIATE TRAP SHOULD BE PLACED AT THE MIDPOINT OF ANY SUCTION LINE RISE WHICH EXCEEDS 16 FEET. 15.613 REPLACE EXISTING SUCTION RISER. REFER TO PIPING SCHEDULE FOR SIZE. 15.625 ROUTE REFRIGERATION LINES IN BASE OF CASE

FOR ALL BOTTOM FED CONNECTED CASES. SLOPE BACK TO COMPRESSOR AT 1" PER 20'-0" 15.635 REFRIGERATION CONTRACTOR SHALL INSTALL REFRIGERATION MANUFACTURER-FURNISHED LIQUID LINE SOLENOID VALVE AND EVAPORATOR

PRESSURE REGULATOR IN A SERVICE ACCESSIBLE LOCATION INSIDE CASE DRAIN PAN. CONTRACTOR SHALL FURNISH AND INSTALL FULL PORT ISOLATION BALL VALVE IN A SERVICE ACCESSIBLE LOCATION INSIDE CASE DRAIN PAN. INSTALL CONTROL WIRING FROM VALVES BACK TO CASE OR RACK CONTROLLER. REFER TO REFRIGERATION SUBMITTALS/SCHEDULES AND BAS PLANS FOR EXACT REQUIREMENTS. REFER TO SPECIFICATIONS FOR ASSET TAGGING REQUIREMENTS.

X## CIRCUIT NUMBER (CIRCUIT INFO) XXX - MODEL NUMBER CLEANOUTS (CO) CONDENSATE DRAIN LINE (CD) CONNECT TO EXISTING CONTINUATION / # \ → DETAIL NUMBER SHEET NUMBER (DETAIL REFERENCE) **EVAPORATOR COIL** <del>----Б---</del>-ISOLATION VALVE ELBOW - TURNED DOWN ELBOW TURNED UP REFRIGERATION KEYNOTE REFERENCE REFRIGERATION PIPING (ABOVE) REFRIGERATION PIPING (BELOW) EXISTING TO REMAIN

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

TYPICAL

(TYP)

REFERENCE ARCHITECTURAL DRAWINGS FOR ALL NEW CASES BEING INSTALLED FOR CONNECTION LOCATION OF UTILITIES. (TOP FED VS BOTTOM FED)

SEPARATE CONTRACTOR IS RESPONSIBLE FOR RE-SKIN OF EXISTING REFRIGERATED CASES TO REMAIN. ALL WORK ON THIS SHEET IS TO BE COMPLETED BY A WALMART APPROVED CONTRACTOR.

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

VERIFY EXACT LOCATION OF ALL REFRIGERATED CASES WITH FINAL MERCHANDISE PLAN. COORDINATE LOCATION OF REFRIGERATED CASES WITH

AND SETTING DRAINS. ALL EXISTING REFRIGERATED CASES ARE TO REMAIN UNLESS NOTED OTHERWISE.

PLUMBING CONTRACTOR PRIOR TO CUTTING OF FLOOR

IF REPLACED REFRIGERANT LINE SIZES ARE LARGER THAN SUCTION OR LIQUID HEADER STUB SIZES, REPLACE STUB WITH SAME SIZE AS NEW REFRIGERANT LINE. COORDINATE WITH CONSTRUCTION MANAGER AND RACK

REPLACE DRAIN IF MORE THAN 1/2 OF DRAIN IS EXPOSED TO SALES FLOOR. FIELD VERIFY EXACT LOCATIONS.

PRIOR TO INSTALLING ANY EQUIPMENT OR ADJUSTING RACK PARAMETERS, REFRIGERATION CONTRACTOR SHALL REQUEST A SUCTION GROUP REPORT FOR ALL RACKS AND SUCTION GROUPS WHERE WORK IS PERFORMED. REQUEST VIA EMAIL AT B.PTEAM1@WAL-

	PIPING SC	HEDULE	RACK MT	C
		VERTICAL		ESTIMATED
PIPE	HORIZONTAL	SUCTION RISER		TOTAL
DESIGNATION	SUCTION	AS REQUIRED	LIQUID	LENGTH**
C1	1 5/8	1 1/8	7/8	308
C2	1 1/8	5/8	1/2	283
C3	1 5/8	7/8****	7/8	330
C4	1 1/8	5/8	1/2	330
C5	1 3/8	7/8	5/8	223
C6	1 1/8	5/8	1/2	344
C7	1 5/8	1 1/8	7/8	135
C8	1 3/8	1 1/8	5/8	112
C9	1 5/8	1 3/8	7/8	80
C10	1 5/8	1 1/8	5/8	110
C11	1 1/8	5/8	1/2	247
C12	1 1/8	7/8	1/2	117
C13	1 5/8	1 1/8	7/8	132
C14	1 3/8	7/8	5/8	137
C15	2 1/8	1 3/8	7/8	178
C16	2 1/8	1 3/8	7/8	183
C17	1 1/8	5/8	1/2	277
C18	7/8	5/8	1/2	245

APPROVED BY ENGINEER OF RECORD.

\*\*ESTIMATED TOTAL LENGTH INCLUDES HORIZONTAL AND VERTICAL PIPE SECTIONS.

**GENERAL NOTES** 

PLANS INDICATE GENERAL ROUTING OF REFRIGERANT LINES, WITH A SINGLE LINE SHOWN INDICATING BOTH SUCTION AND LIQUID LINE ROUTING FOR EACH SYSTEM.

REFRIGERATION SYSTEM INSTALLATION SHALL BE IN COMPLETE CONFORMANCE WITH SPECIFICATIONS, AND WITH ALL REQUIREMENTS OF REFRIGERATION EQUIPMENT MANUFACTURER.

REFRIGERATION DRAWINGS ARE PROVIDED AS AN AID TO BIDDERS AND TO INDICATE DESIRED ROUTING OF REFRIGERATION LINES; CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR CORRECT INSTALLATION OF PIPING AND ACCESSORIES TO PROVIDE A COMPLETE AND FULLY OPERATING SYSTEM. REFER TO SPECIFICATION 15600 FOR INSULATION THICKNESS. INSIDE DIAMETER OF INSULATION SHALL MATCH PIPE DIAMETER TO MINIMIZE AIR GAPS BETWEEN PIPING AND INSULATION. PROVIDE FACTORY PRE-MANUFACTURED FITTINGS AT ALL TRAPS AND ELBOWS. WHERE PRE-MANUFACTURED FITTINGS ARE UNAVAILABLE MITER CUT ALL FITTINGS TO ENSURE PROPER SEAL BETWEEN

PIPE INSULATION SHALL BE BLACK.

INSULATION SEGMENTS.

COORDINATE REFRIGERATION DEMOLITION ISSUES WITH THE ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL PLANS FOR REFRIGERATION EQUIPMENT DEMOLITION AND COOLER REPAIR AND REMODELING.

REFRIGERATION SYSTEM SHALL REMAIN OPERATIONAL DURING REMODELING. DURING THE PHASING OF OLD TO NEW SYSTEMS, BOTH NEW AND OLD REFRIGERATION SYSTEMS MAY BE REQUIRED TO OPERATE AT THE SAME TIME FOR A SHORT PERIOD.

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WHERE NEW REFRIGERATED EQUIPMENT IS INDICATED ON THE DRAWINGS, PROVIDE DEMOLITION, REMOVAL, AND TEMPORARY STORAGE OF OLD EQUIPMENT PER WALMART MECHANICAL SERVICES CONSTRUCTION MANAGER'S INSTRUCTIONS, AND REFRIGERATION DEMO NOTES.

COORDINATE REMOVAL AND DISPOSAL OF EXISTING EVAPORATORS, REFRIGERATED CASES, AND CONDENSING UNITS, WITH WALMART MECHANICAL SERVICES CONSTRUCTION MANAGER.

REMOVE COPPER LINES, EVAPORATORS, AND CONDENSATE LINES FROM COOLERS/ FREEZERS BEING REMOVED FROM SITE. COORDINATE WITH WALK-IN PANEL VENDOR FOR TIME LINE OF REPLACEMENT. REFERENCE SPECIFICATION FOR CONTACT INFORMATION.

PRINKLERS FOR ALL REMOVED

DEVICES.

REQUIREMENTS.

FOR THE REMOVAL OF ALL REMOVED

BOXES BAS WIRING AND DEVICES.

WALK-IN PANEL VENDOR SHALL PROPERLY PREPARE ALL COOLER/FREEZER PANELS. GLASS DOORS, SLIDER OR SWING DOORS, PALLETIZE, AND PREPARE THE EQUIPMENT TO SHIP OFF SITE.

COORDINATE WITH ELECTRICAL CONTRACTOR

COOLER/FREEZER BOXES ELECTRICAL WIRING

COORDINATE WITH BAS CONTRACTOR FOR THE

EXISTING REFRIGERATION PIPING MAY BE RE-USED UNLESS OTHERWISE NOTED ON PLANS. REFER TO SCHEDULES FOR PIPE SIZE

BUILDING COMPONENTS ABANDONED BY THE

PREVENT FALLING, LOOSENING, OR CREATING

IF ANY RACK SYSTEMS WILL BE OPENED TO ADD

OR REPLACE CASES, EVAPORATORS, ETC. THEN

SCOPE OF WORK SHALL BE SECURED TO

DAMAGE OF ANY KIND IN THE FUTURE.

24 TO 48 HOURS AFTER THE WORK IS

REFER TO GROCERY ARCHITECTURAL DRAWINGS FOR ADDITIONAL WORK BY REFRIGERATION CONTRACTOR.

INSTALL ASSET TAGS ON ALL NEW

REFRIGERATED CASES AND COMPLETE THE DATA COLLECTION INFORMATION. DELETE DEMOED ASSETS FROM ASSET TAGGING APPLICATION. REFER TO SPECIFICATIONS.

UPON START-UP OF ALL NEW REFRIGERATED EQUIPMENT, CONSTRUCTION MANAGER SHALL REQUEST THE BUILDING PERFORMANCE

EMAIL AT B.PTEAM1@WAL-MART.COM

WALLS WHEREVER POSSIBLE.

SPACERS.

AND JOINTS.

FOOD PREP AREA NOTES

ALL EXPOSED PIPE INSULATION SHALL BE CLAD PER SPECIFICATIONS. EXPOSED PIPING SHALL COMPLY WITH ONE OF THE FOLLOWING INSTALLATION OPTIONS.

ROUTE ALL PIPING CONCEALED WITHIN STUD

A. SURFACE MOUNTING PIPING WITH NON-CORROSIVE ANCHORS; SEAL BOTH SIDES OF PIPE TO SURFACE CONTINUOUSLY WITH SEALANT.

B. INSTALL PIPING 1/2" OFF FACE OF

SURFACE TO ALLOW FOR CLEANING.

USE ONLY NON-CORROSIVE

MATERIALS FOR ANCHORS AND

C. COVER PIPING WITH 20 GAUGE

CONTINUOUS SEALANT ALONG EDGES

STAINLESS STEEL BENT PLATES MOUNTED TO SURFACE WITH NON-

CORROSIVE ANCHORS; APPLY

PROPER INSTALLATION OF SEALANTS IS CRITICAL TO MEETING WALMART QUALITY

REPORT FOR ALL RACKS AND SUCTION GROUPS WHERE WORK IS PERFORMED. ANY DEVIATIONS NOTED ON THE REPORT MUST BE CORRECTED PRIOR TO PROJECT CLOSE OUT. REQUEST VIA

COMPLETED AND ALL FINAL ADJUSTMENTS

HAVE BEEN MADE, PROVIDE AND CHANGE LIQUID LINE FILTER CORES, OIL SYSTEM FILTER USING SPORLAN OF STYLE FILTER, AND REPLACE SUCTION FILTERS. FILTERS ARE TO BE RATED FOR WAX REMOVAL. CONTRACTOR TO PROPERLY DISPOSE OF OIL AND COMPONENTS REPLACED. REFER TO SPECIFICATION 15600.

REMOVAL OF ALL REMOVED COOLER/FREEZER

COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR THE REMOVAL OF CONTRACTOR TO RE-USE EXISTING CASE DRAINS. COOLER/FREEZER BOXES.

PROJECT COORDINATED WITH REFRIGERATION VENDOR (OEM) AS INDICATED ON REFRIGERATION SCHEDULE(S).

### **EPA CLEAN AIR ACT**

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

G SC	HEDULE	RACK MT	C
	VERTICAL		ESTIMATED
ZONTAL	SUCTION RISER		TOTAL
CTION	AS REQUIRED	LIQUID	LENGTH**
5/8	1 1/8	7/8	308
1/8	5/8	1/2	283
5/8	7/8****	7/8	330
1/8	5/8	1/2	330
3/8	7/8	5/8	223
1/8	5/8	1/2	344
5/8	1 1/8	7/8	135
3/8	1 1/8	5/8	112
5/8	1 3/8	7/8	80
5/8	1 1/8	5/8	110
1/8	5/8	1/2	247
1/8	7/8	1/2	117
5/8	1 1/8	7/8	132
3/8	7/8	5/8	137
1/8	1 3/8	7/8	178
1/8	1 3/8	7/8	183

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

THIS IS ONLY AN ESTIMATE AND ACTUAL LENGTH WILL VARY.

REFRIGERATION

PLAN

STANDARDS. PROVIDE SEALANTS IN ACCORDANCE WITH DRAWINGS AND DOCUMENTS THAT DO NOT SPECIFICATIONS. REFERENCE SECTION 07900 HAVE THE ARCHITECT OR FOR SEALANT SCHEDULE. ENGINEER OF RECORD INTERIOR SEALANTS USED IN FOOD PREP SEAL AND SIGNATURE AREAS SHALL MEET THE REQUIREMENTS FOR SHALL BE CONSIDERED USE IN USDA REGULATED FACILITIES. NOT FOR CONSTRUCTION PROVIDE CONTINUOUS USDA APPROVED

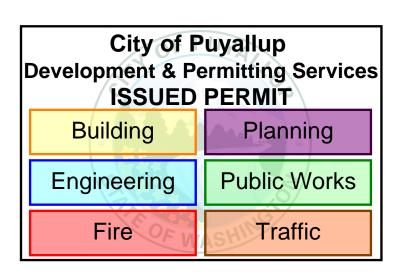
SEALANT AT ALL JOINTS BETWEEN MATERIALS ON WALLS IN FOOD PREPARATION COOLER AND FREEZER AREAS. ALL JOINTS BETWEEN DISSIMILAR MATERIALS SHALL BE SEALED AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, REGARDLESS OF WHETHER SHOWN ON

DRAWINGS OR NOT.

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

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

SHEET:



		F	EFR	IGERATIO!	N SCHEDULE SY	STEM MT	2		Refrig. BAS:	NOVAR	Condenser Type:	Air	H/R Media:	N/A	Subcooler Liqu	d Temps	SG1 Co	mp RGT ºF:	50	DES	SIGN DB °F :		97	EXTERIOR DRY BULB (DB) °F :	96.4
Format:	Supercenter	S	ore#:	2403	System Type:	Compressor House	Primary Refrigerant:	R404A	System Elec:	460V 3Ph 60Hz	Sat. Cond. Temp °F:	112	H/R Use:	N/A	SG1 Liquid Temp	112	SG2 Cor	mp RGT °F:	N/A	DES	SIGN WB °F :		65.2	Based on 5 yr Extreme DB-ASHRAE Pub.:	Year 2017
Proto Size:	Renovation	Cit	/State:	Puyallup, WA	Consultant:	DCE	Estimated Refrigerant Charge	N/A	Defrost Elec:	208V 60Hz 1 or 3 Ph	Cond Design TD °F:	15	H/R Water GPM:	N/A	SG2 Liquid Temp	N/A	SG3 Coi	mp RGT °F:	N/A	DESIGN INTE	ERIOR DRY E	BULB °F :	75	EXTERIOR WET BULB (WB) °F:	65.2
otoCycle Date:	12/17/2021	Date	Prepared	4/15/2022	Prepared by:	Lance Purkett	Rack and Condenser (lbs)		Sys.Pilot Elec:	208V 1 Ph	Summer H/R Avail:	N/A	H/R Glycol Type:	N/A	SG3 Liquid Temp	N/A	Evap. Sı	ıperheat °F:	10	DESIGN I	INTERIOR RI	Н%:	55%	Based on 0.4% Monthly Max WB-ASHRAE Pub.:	Year 2017
							Fixture and Field Piping (lbs)	N/A	Cond. Elec:	460V 3 Ph 60Hz	Winter H/R Avail:	N/A	H/R Glycol %:	N/A										ELEVATION ft:	45
							CIRCUIT INFORMATION											FIXTURE EL	ECTRICAL IN	FORMATION				MISC INFORMATION	
	Case Fixt	ure Length / (	Quantity	Walk-In Box S	Size			Evaporator	LSHX Y or N? & Model #	Evaporator Coil TXV /	Sub-Circuit Load	Circuit	Case/ Evap Walk-In	Circuit (	Control Valves	Defrost	Defros	t Heaters	Fa	ins	Lights Ai	nti-Sweat Amps			
KT# FT/3	# of Doors 2 Dr/-	4' 3 Dr/6'	4 Dr/8'	5 Dr/12' L W	H Case Model	Case/Coil Manuf.	Application	Model#	WI Evaps	Distributor Nozzle	(MBH)	Load (MBH)	Temp Air Temp	EPR	LLSV	Туре	Amps	Voltage	Amps	Voltage	(120v)	(120v)	Amps	Comments	
1 16' /	2 ENDS	2	2		ON3UM/EM	HILL PHOENIX	Deli Promo Island		-	-	, ,	24.2	22 ETR	SORIT12	ME9	ОТ		-	0.9	115/1	ETR	ETR		EXISTING TO REMAIN	
2				8 12	10	BOHN	Poultry Cooler W.I.	WKE100B	HXR100	EGSE 1C / L1		10.2	22 ETR	SORIT12	ME6	EL	12.3	208/1	2.2	208/1				EXISTING TO REMAIN	
* 2	24 FT			2	ON5DMX-NRG** (RD4043.042)	HILL PHOENIX	M.D. Deli		-	•		28.8	28 ETR	CDST-7**	E9**	ОТ		-	1.4	115/1	0.3				
*	12 FT			1	PF-54-R** (RD1073.652)	HILL PHOENIX	M.D. Deli		-	-		11.1	24 ETR	CDST-4**	E6**	ОТ		-	1.2	115/1	0.7				
5 2	20 FT		1	1	B31-UN	KYSOR WARREN	M.T. Cake		-	-		20.0	20 ETR	SORIT12	ME9	ОТ		-	2.7	115/1	ETR	ETR		EXISTING TO REMAIN	
*	12 FT			1	BMD** (RD2020.642)	HILL PHOENIX	Service Deli		-	-		8.4	24 ETR	CDST-4**	E5**	OT		-	1.8	115/1	1.0				
2	24 FT			2	ОНМН	HILL PHOENIX	M.D. Fresh Meat		-	-		34.4	17 ETR	SORIT15	ME14	ОТ		-	5.0	115/1	ETR	ETR		EXISTING TO REMAIN	
2	20 FT		1	1	ОНМН	HILL PHOENIX	M.D. Fresh Meat		-	-		28.7	17 ETR	SORIT15	ME9	ОТ		-	4.5	115/1	ETR	ETR		EXISTING TO REMAIN	
) (	36 FT			3	ОНМН	HILL PHOENIX	M.D. Fresh Meat		-	-		51.7	17 ETR	SORIT20	ME19	ОТ		-	7.5	115/1	ETR	ETR		EXISTING TO REMAIN	
) 2	20 FT		1	1	O5DM	HILL PHOENIX	M.D. Deli		-	-		30.6	17 ETR	SORIT15	ME14	ОТ		-	3.5	115/1	ETR	ETR		EXISTING TO REMAIN	
1 2	24 FT			2	NFN	TYLER	M.T. Narrow Coffin		-	-		9.1	15 ETR	SORIT12	ME6	EL	20.6	208/1	3.0	115/1	ETR	ETR		EXISTING TO REMAIN	
	2 ENDS	2	2		NFJ/NFJE	TYLER	M.T. Coffin w/ Ends		-	-		12.7	15 ETR	SORIT15	ME6	EL	26.9	208/3	6.0	115/1	ETR	ETR		EXISTING TO REMAIN	
3 2	24 FT			2	O5DM	HILL PHOENIX	M.D. Deli		-	-		36.7	17 ETR	SORIT15	ME14	ОТ		-	4.0	115/1	ETR	ETR		EXISTING TO REMAIN	
	2 ENDS	2		2	NFJ/NFJE	TYLER	M.T. Coffin w/ Ends		-	-		16.5	15 ETR	SORIT15	ME6	EL	34.2	208/3	8.0	115/1	ETR	ETR		EXISTING TO REMAIN	
	36 FT			3	O5DM	HILL PHOENIX	M.D. Dairy		-	-		51.5	22 ETR	SORIT15	ME19	OT		-	6.0	1 10/ 1		ETR		EXISTING TO REMAIN	
	36 FT			3	O5DM	HILL PHOENIX	M.D. Dairy		-	-		51.5	22 ETR	SORIT15	ME19	OT		-	6.0		ETR			EXISTING TO REMAIN	
	24 FT			2	NFN	TYLER	M.T. Coffin w/ Ends		-	-		9.1	15 ETR	SORIT12	ME6	EL	20.6	208/1	3.0		ETR	ETR		EXISTING TO REMAIN	
18	8 FT		1		SHVSS	HUSSMANN	M.D. Cake		-	-		6.9	18 ETR	SORIT12	ME6	ОТ			0.6	115/1	ETR			EXISTING TO REMAIN	
									Suction	on Group #1 Required Ca	pacity (MBH)	442.1	13 (°F)	Saturated Suction	Temperature										

1.) The scheduled data for existing to remain components, circuit loads, and electrical conditions are reproduced from original documents and may not reflect as-built conditions.

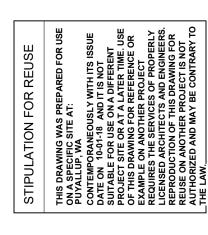
2.) Contractor shall field verify existing status of data shown for modified racks and notify engineer of any discrepancies.

3.) Owner's designated refrigeration equipment manufacturer: Hussmann4.) Original design dry bulb temp used.

5.) OEM to update subcooler load at new design conditions.
 6.) Case manufacturer to size new pulse width modulation electronic expansion valves for new cases with integrated case controllers.

\*MODIFIED CIRCUIT / \*\* NEW CASE, VALVE, OR EVAPORATOR





Mallinale Solono: 2403-605

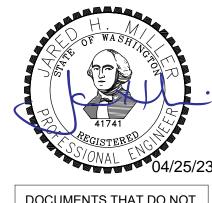
ISSUE BLOCK

CHECKED BY: DL

DRAWN BY: LP

PROTO CYCLE: 12/17/21

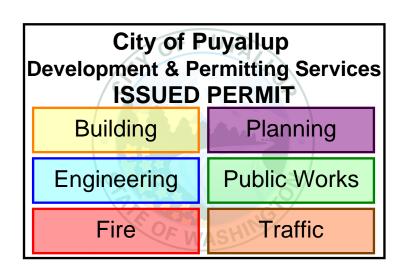
DOCUMENT DATE: 04/15/22

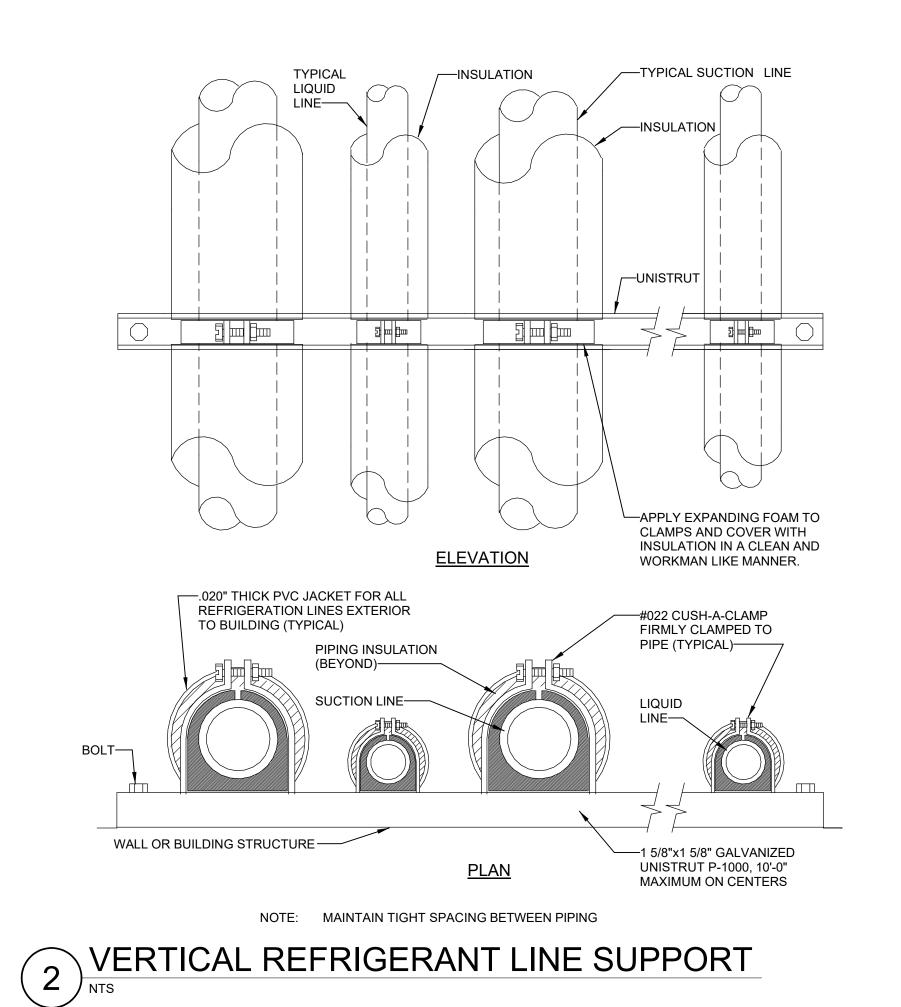


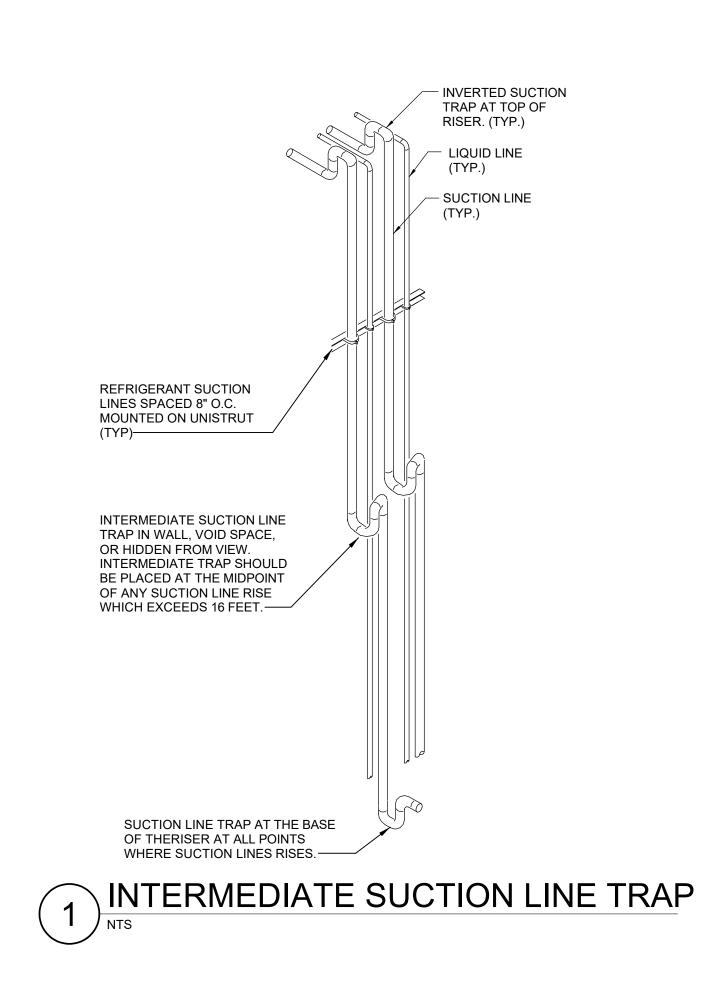
DOCUMENTS THAT DO NOT HAVE THE ARCHITECT OR ENGINEER OF RECORD SEAL AND SIGNATURE SHALL BE CONSIDERED NOT FOR CONSTRUCTION

REFRIGERATION SCHEDULES

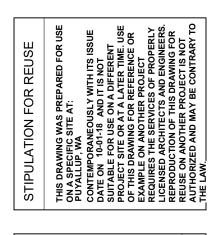
EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.









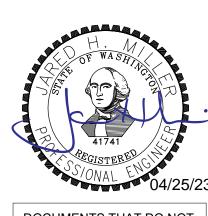




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PROTO CYCLE: 12/17/21

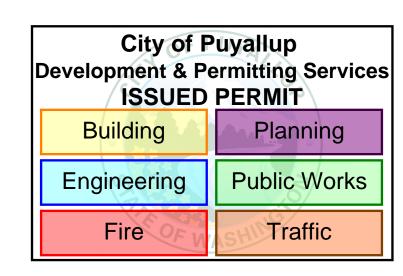
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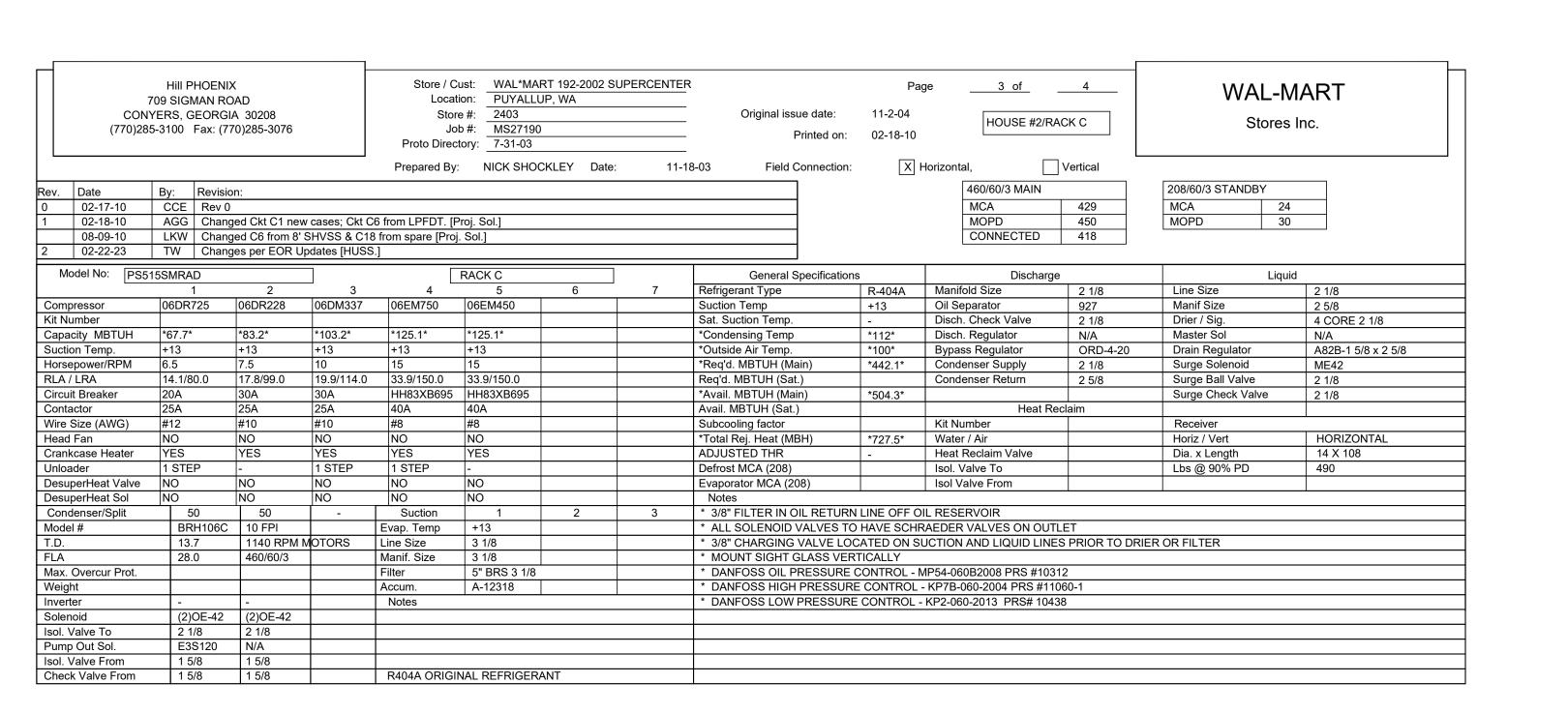


DOCUMENTS THAT DO NOT HAVE THE ARCHITECT OR ENGINEER OF RECORD SEAL AND SIGNATURE SHALL BE CONSIDERED NOT FOR CONSTRUCTION

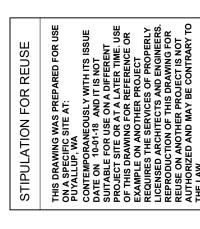
REFRIGERATION DETAILS

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









Mallinal 2000 Puyallup, WA

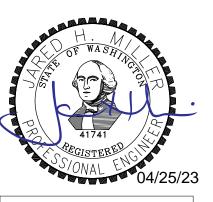
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CHECKED BY: DL

DRAWN BY: LP

PROTO CYCLE: 12/17/21

DOCUMENT DATE: 04/15/22



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

REFRIGERATION SUBMITTALS

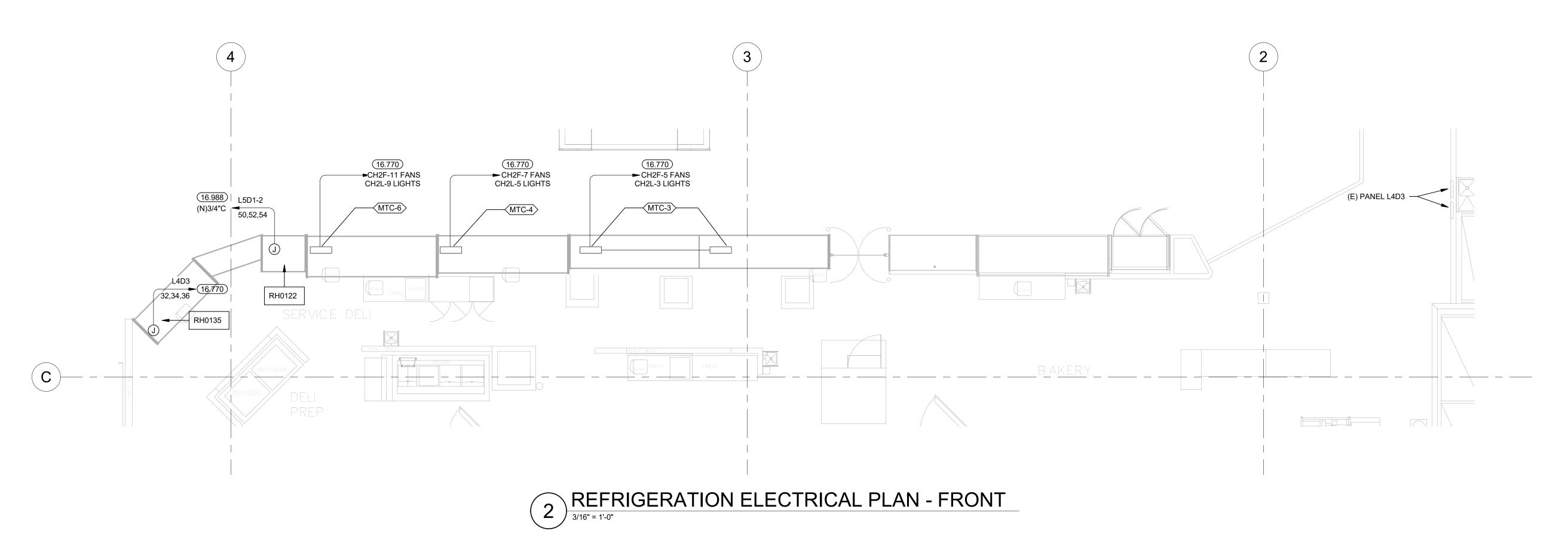
EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

**Development & Permitting Services ISSUED PERMIT** Planning Engineering KITCHEN DEVICE SCHEDULE DESCRIPTION MANUFACTURER | MODEL | VOLT/PHASE | AMPS NUMBER **TERMINATION** HOT CASE SCHEDULE RH0122 - 4' 4' HOT DELI SELF-SERVICE MULTI-DECK CUSTOM DELI'S DILW-SS 120/208/3 10A WP JUNCTION BOX

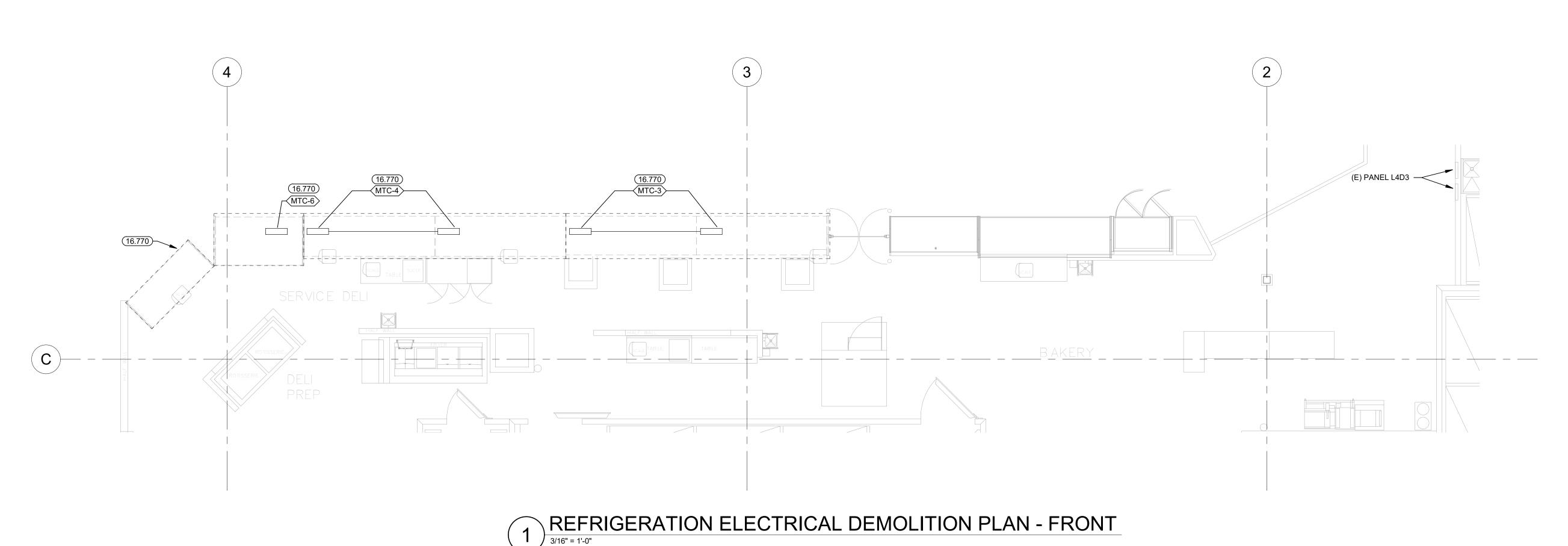
8' HOT DELI SELF-SERVICE MULTI-DECK | CUSTOM DELI'S | ILW-CB-SS | 120/208/3 | 26A | WP JUNCTION BOX

Separate electrical permit is required with Washington State Department of Labor & Industries.

https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections or Licensing information: Call 1-800-647-0982



City of Puyallup



**GENERAL ELETRICAL KEYNOTES** 

16.770 E.C. SHALL DISCONNECT, EXTEND, AND RECONNECT ALL ELECTRICAL CIRCUITRY. LABEL ALL ASSOCIATED PANELBOARD SCHEDULES TO REFLECT SYSTEM NUMBERS AND LOAD DESCRIPTION. VERIFY CONDITION OF BRANCH CIRCUIT, CONDUIT, AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET ALL U.L. RATINGS AND REPLACE AS REQUIRED. COORDINATE THIS PROCESS WITH CONSTRUCTION MANAGER TO

16.988 PROVIDE NEW WIRE AND CONDIUT, SIZED AS INDICATED

MINIMIZE DOWNTIME.

**DEMOLITION NOTES** SCOPE OF THE DEMOLITION WORK REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL OF

ISSUE BLOCK

CHECKED BY:

PROTO CYCLE:

DOCUMENT DATE: 04/15/22

DRAWN BY:

UNUSED ELECTRICAL EQUIPMENT WHERE PRACTICAL ALL DEVICES SHOWN AND ALL ASSOCIATED CONDUIT AND CONDUCTORS ARE TO BE DISCONNECTED AND REMOVED UNLESS OTHERWISE NOTED. WHERE THE REMOVAL OF ANY FIXTURE . DEVICE OR EQUIPMENT RESULTS IN DEMOLITION OF AREAS TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR

REPAIRING OR REPLACING ANY FLOORS, CEILINGS OR WALLS AS NECESSARY TO MATCH EXISTING SURRONDINGS OR TO ACCOMMODATE NEW FINISHES CONTRACTOR SHALL PROVIDE UPDATED TYPED PANEL SCHEDULES IN ALL EXISTING ELECTRICAL PANELS TO REMAIN, REFLECTING FINAL SCOPE AND

# **GENERAL REFRIGERATION ELECTRICAL NOTES**

AVAILABLE SPARES AND UNUSED SPACES.

COORDINATE ALL WORK WITH REFRIGERATION CONTRACTOR (R.C.) PRIOR TO INSTALLATION.

WALK-IN UNITS: PROVIDE CONDUIT AND WIRE FOR EVAPORATOR COIL FANS (CF) AND (IF APPLICABLE) ELECTRIC DEFROST (ED). PROVIDE ADEQUATE CONDUCTOR LENGTH TO ALLOW TERMINATION. NEATLY BUNDLE CIRCUITS AND CLEARLY TAG AND LABEL EACH CIRCUIT WITH BRANCH CIRCUIT DESIGNATION AND REFRIGERATION SYSTEM NUMBER FOR FINAL TERMINATION AT COIL BY R.C. REF EVAPORATOR COIL WIRING DETAIL.

- ROUTE REFRIGERATED CASE AND WALK-IN UNIT COIL FAN, LIGHTS, ANTI-SWEAT AND DEFROST BRANCH CIRCUITS TO WIREWAYS PROVIDED AT REFRIGERATION EQUIPMENT AND/OR PANELBOARDS
- REFRIGERATED CASE WIRING COMPARTMENT REPRESENTED ON DRAWING BY JUNCTION BOX. KEEP PENETRATIONS THROUGH WALK-IN UNITS

TO A MINIMUM. ROUTE ALL CONDUITS SERVING FREEZERS AND COOLERS ON INSIDE OF BOX.

- ALL CONDUITS INSTALLED ON TOP OF WALK-IN UNITS SHALL BE A MINIMUM OF 6" FROM ANY EDGE TO ALLOW SPACE FOR EDGE PROTECTION NETTING. DO NOT ROUTE CONDUITS ABOVE THE CEILING GRID ACCESS UNLESS CONDUITS ARE INSTALLED IN JOIST SPACE,
- UNDERSLAB CIRCUITS SHALL NOT BE ROUTED UNDER WALK-IN FREEZERS AND SHALL BE ROUTED ABOVE REFRIGERANT LINES WHERE THEY CROSS. PROVIDE A SEPARATE NEUTRAL FOR EACH 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 CASE ANTI-SWEAT HEATERS OR DRAIN HEATERS. 10. PANELBOARD CH2L AND CH2F IS LOCATED IN

COMPRESSOR HOUSE #2 AT GRIDLINES G AND 1

NOTE: REFRIGERATION CONTRACTOR IS RESPONSIBLE FOR ALL FINAL REFRIGERATION ELECTRICAL TERMINATIONS TO REFRIGERATION EQUIPMENT

> NOTE: ELECTICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TYPE WRITTEN PANEL SCHEDULE OF ALL PANELS THAT ARE IMPACTED BY THE ELECTRICAL SCOPE OF THIS PROJECT.

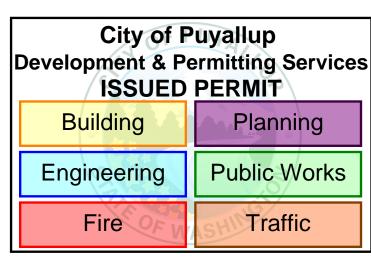
HAVE THE ARCHITECT OR ENGINEER OF RECORD SEAL AND SIGNATURE SHALL BE CONSIDERED NOT FOR CONSTRUCTION

REFRIGERATION ELECTRICAL PLAN

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

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

RE1



L4D3-1	(EXISTING)				F	PANELBOAR	D					
	,				SECTION	N #1: BREAKER 1-30	)				208Y/120V, 3	PH, 4W
SERVES:	BAKERY AND DELI					N#2: BREAKERS 31-						SA, MCB
LOCATION:	BAKERY PREP				3201101	VIIZ. BILL INCING SI						,000AIC
MOUNTING:											EQUIPMENT GROU	•
MOUNTING:	FLUSH										·	
										T	ISOLATED GROU	ND BOS
	DESCRIPTION	WIRE			KVA A	KVA B	KVA C	PL		WIRE		
1 SPACE			20	1			7	1	20		EXISTING (13)	
3 EXISTING (13	·		20	1				2	20		FLOWER CASE (13)	
	MACHINE (13)		60	2				-				
7				-			_	2	50		SPARE (13)	
9 B49A DONUT	Г (13)		30	2								
l1				_				1	20		BAKERY RECEPTACLE (13)	
13 B26 ICING W	ARMER (13)		15	2				1	20		BAKERY FREEZER LG (13)	
15				-				1	20		BAKERY FREEZER HEATERS (13)	
L7 BERRY COOL	ER (13)		20	2				1	20		POULTRY COOLER HTRS (13)	
19				-				3	30		ROTISSERIE (13)	
21 BERRY COOL	ER (13)		20	2				-				
23				-				<b>-</b>				
25 OVEN (13)			20	3							SHUNT TRIP BREAKER	
27				-				1	20		OVEN CONTROL (13)	
29				-				1	20		EXISTING (13)	
			TO	ΓAL	0	0	0	KV	′A			
PER NEC ART	TICLE 220				0.00	0.00	0.00	AN	ЛPS			
		TC	OTAL LO	AD	0.00		0.00	AN	ЛPS			
			DER LO		0.00	1	0.00		ИPS			

L5D1-2	(EXISTING)				F	PANELBOAR	D						
	•				SECTION	I #1: BREAKER 1-30						208Y/120V, 3PH, 4\	W
SERVES:	GROCERY MISC POWER				SECTION	I #2: BREAKERS 31-(	60					225A, MC	СВ
LOCATION:	EDC5				3201101							10,000AI	
MOUNTING												EQUIPMENT GROUND BU	
MOUNTING	: SURFACE											•	
												ISOLATED GROUND BU	JS
	DESCRIPTION	WIRE	BRKR	PL	KVA A	KVA B	KVA C	PL		RKR W		DESCRIPTION	
31 WATER COO	` ,		20	1			1	1		20		ORTRAIT STUDIO RECEPTACLES (13)	
33 ICE MAKER	(13)		20	2				1		20		URVEILLANCE SYSTEM (13)	3
35				-				1		20		ORTRAIT STUDIO RECEPTACLES (13)	
37 ICE MAKER	(13)		20	2				1	.   2	20	E.	XISTING COLUMNM REC (13)	
39				-				1		20	E	XISTING COLUMNM REC (13)	4
41   SIDEWALK (	CASH WRAP (13)		20	1				1	. 2	20	E	XISTING COLUMNM REC (13)	4
43 EXTERIOR R	ECEPTACLES (13)		20	1				1	. 2	20	E	XISTING COLUMNM REC (13)	4
45 RTU RECEPT	ACLE (13)		20	1				1	.   2	20	E	XISTING COLUMNM REC (13)	4
47 RTU RECEPT	ACLES (13)		20	1				1	. 2	20	E	XISTING COLUMNM REC (13)	
49 FRONT TOIL	ET SENSOR (13)		20	1	1.20			3		20 1	L2 R	H122 HOT CASE (22)	,
51 HAND DRYE	R (13)		20	1		1.20		-		1	L <b>2</b>	<del></del>	į
53 HAND DRYE	R (13)		20	1			1.20			1	L <b>2</b>		į
55 ICE BAGGER	/RECEPT (13)		20	1				1	. 2	20	E	XISTING RTU RECEPTACLES (13)	
57 SPARE			20	1	<u> </u>	0.54		1	.   2	20	N	MOTORIZED CARTS/INSECT	į
59 SPARE								1	. 2	20	E	XISTING RTU RECEPTACLES (13)	(
			TO	TAL	1.2	1.74	1.2	K۱	VA				
PER NEC AR	TICLE 220				10.00	14.50	10.00	AI	MPS	5			
		TC	TAL LC	DAD	4.14		11.50	Al	MPS	5			
								_					

	CH2F (EXISTING)					Р	ANEL	BOAR	D						
	- ,							_						208Y/120V, 3	8PH, 4W
	SERVES: REFRIGERATED CASE FANS, RI	ECEPTACLES	S & A/S	HTR9	S (NON-CYC	(LED)								225	SA, MLO
	LOCATION: COMPRESSOR HOUSE #2		, a , , o		3 (11011 010	,,								10	) 0000AIC
	MOUNTING: SURFACE													EQUIPMENT GROU	
	MOUNTING. SURFACE													EQUITIVIENT GROO	ND DOS
	DESCRIPTION	WIRE	BRKR	ы	KVA A	Δ	KV	A B	ΚV	A C	PL	BRKR	WIRE	DESCRIPTION	
1	MTC-1 FANS & A/S HTRS (13)		20	1		0.43				,,,,,	1	20		MTD-1 CASE FANS (13)	
	SPARE (13)		20	1				0.65			1	20		MTD-2 CASE FANS (13)	
	MTC-3 CASE FANS (19)	E	20	1					0.17	1.01	1	20		MTD-3 COIL FANS (13)	
_	MTC-4 CASE FANS (19)	E	20	1	0.14	0.50					1	20	#10	MTD-4 COIL FANS (13)	
9	MTC-5 CASE FANS (13)		20	1	•		0.67	0.64			1	20	#10	MTD-6 CASE FANS (13)	
1	MTC-6 CASE FANS (19)	E	20	1					0.22	0.60	1	20	#10	MTD-7 CASE FANS (13)	
3	MTC-7 CASE FANS (13)		20	1	1.00	0.60					1	20	#8	MTD-8 CASE FANS (13)	
.5	MTC-8 CASE FANS (13)		20	1			0.88	1.26			<u> </u> 1	20	#6	MTD-9 COIL FANS (13)	
$\overline{}$	MTC-9 CASE FANS (13)		20	1					1.50	1.26	1	20		MTD-10 COIL FANS (13)	
	MTC-10 CASE FANS (13)		20	1	0.42	1.26		ı			1	20		MTD-9 COIL FANS (13)	
	MTC-11 FANS & A/S HTRS (13)		20	1			1.40	0.50			1	20		MTD-10 COIL FANS (13)	
_	MTC-12 FANS & A/S HTRS (13)		20	1					1.70		1	20	#10	SPARE (13)	
	MTC-13 CASE FANS (13)		20	1	0.48	0.43		Ι .			1	20		MTD-11 CASE FANS (13)	
	MTC-14 FANS & A/S HTRS (13)		20	1			1.70	0.14			1	20		MTD-12 CASE FANS (13)	
	MTC-15 CASE FANS (13)		20	1	0.00				0.72	0.73	1	20	#10	DAIRY CLR DR HTS (13)	
	MTC-16 CASE FANS (13)		20	1	0.60		4.70	0.54			1	20		SPARE (13)	
	MTC-17 FANS & A/S HTRS (13)		20	1			1.70	0.54	0.42	0.40	1	20		MTC-4 CASE RECEPTACLE (13)	
	MTC-18 CASE FANS (13)		20	1		0.10			0.12	0.18	1	20		MTC-12 CASE RECEPTACLE (13)	
	SPARE (13)		20 20	1 1		0.18		0.18			1	20		MTC-12 CASE RECEPTACLE (13)	
	SPARE (13) SPARE (13)		20	$\begin{vmatrix} 1 \\ 1 \end{vmatrix}$				0.16		0.18	$\left  \begin{array}{c} 1 \\ 1 \end{array} \right $	20 20		MTC-14 CASE RECEPTACLE (13) MTC-14 CASE RECEPTACLE (13)	
·T	SPANE (13)		<u> </u>				<u> </u>			1	+			WITC-14 CASE RECEPTACLE (15)	
			TO	TAL	7.154			.26		384	KVA				
	PER NEC ARTICLE 220				59.62	2	85	.50	69	.87	AM	IPS			
		TO	OTAL LO	DAD	25.80	)			71	.66	AM	IPS			
		FEE	EDER LO	DAD	25.80	)	]		41	.37	AM	IPS			

	L4D3-2	(EXISTING)				Р	ANELBOARD	)					
						SECTION	#1: BREAKER 1-30					208Y/120V, 3PH, 4	4W
	SERVES: GROO	CERY MISC POWER				SECTION	#2: BREAKERS 31-60	)				225A, N	1CB
	LOCATION: EDC4											10,000	AIC
	MOUNTING: SURF											EQUIPMENT GROUND B	3US
	Wicolling. Som	7102										ISOLATED GROUND B	
		SCRIPTION	WIRE	BRKR	PL	KVA A	KVA B	KVA C	PL	BRKR	WIRE		703
3	1 EF LIGHTS (13)	SCIII HOIV	VVIIVE	20	1	3.12	KVAD	RVAC	3	30	E	HOT FOOD CASE(22)	32
I	3 EH CONTROLS (13)			20	1	3.12	3.12		_		E		34
	5   EF (FRYER) (13)			20	1	l	1 2:22	3.12	┪╻		E		36
	7 EF (ROTISSERIE) (13)			20	1				3	30		OVEN (13)	38
3	9 D07 DELI SLICER (13)			20	1	•			-				40
4	1 D07 DELI SLICER (13)			20	1	·			-				42
4	3 D07 DELI SLICER (13)			20	1							D59 SHUNT-TRIP BREAKER	44
4	5 D05 WRAPPER (13)			20	1				3	30		DOUBLE ROTISSERIE (13)	46
	7 D13 WORKTOP REFR	· '		20	1				-				48
4	9 D07 DELI SLICER (13)			20	1 _		,		-				50
5	1 D04/D04 SCALE/LAB			20	1							D59 SHUNT - TRIP BREAKER	52
	3 PIZZA WARMER (13)			20	1				1	20		D56A FREYER FILTER PUMP (13)	54
	5 DELI RECEPTACLES (1			20	1							D56A SHUNT - TRIP BREAKER	56
	7 D13 WORKTOP REFR	IIG (13)		20	1				1	20		D076 DELI SLICER (13)	58
5	9 SPACE								1	20		D05 WRAPPER/D04A SCALE (13)	60
				TO	ΓAL	3.12	3.12	3.12	KV	A			
	PER NEC ARTICLE 220	0				26.00	26.00	26.00	AM	1PS			
			T	OTAL LO	AD	9.36		26.00	AM	1PS			
				EDER LO	-	9.36		15.01	AM				

CH2L	(EXISTING)					۲	ANEL	BOAR	ט					2004/	1201/ 201/ 414/
0=0.450	210521552 01051101150													2081/.	120V, 3PH, 4W
	RIGERATED CASE LIGHTS														225A, MLO
LOCATION: CON	MPRESSOR HOUSE #2														10000AIC
MOUNTING: SUF	RFACE													EQUIPMENT	GROUND BUS
	DESCRIPTION	WIRE	BRKR	PL	KV	λ A	KV	'A B	KVA	A C	PL	BRKR	WIRE	DESCRIPTION	
MTC-1 CASE LTS (1	3)		20	1	0.77	0.62					1	20		MTD-1 CASE LTS (13)	2
MTC-3 CASE LTS (1	9)	E	20	1			0.04	0.94			1	20		MTD-2 CASE LTS (13)	4
MTC-4 CASE LTS (1	9)	E	20	1					0.08	1.77	1	20		MTD-6 CASE LTS (13)	6
MTC-5 CASE LTS (1	•		20	1	0.65	0.55			,		1	20		MTD-7 CASE LTS (13)	8
MTC-6 CASE LTS (1	•	E	20	1			0.12	0.76			1	20		MTD-8 CASE LTS (13)	10
. MTC-7 CASE LTS (1	•		20	1			1		0.92	0.92	1	20		DAIRY CLR LTS (13)	12
MTC-8 CASE LTS (1	•		20	1	0.80	0.21			1		1	20		MTD-10 CASE LTS (13)	14
MTC-9 CASE LTS (1			20	1			1.39	0.62			1	20		MTD-11 CASE LTS (13)	16
MTC-10 CASE LTS (			20	1	0.55				0.48	0.22	1	20		MTD-12 CASE LTS (13)	18
MTC-13 CASE LTS (			20	1	0.55		0.00		1		1	20		SPARE (13)	20
MTC-15 CASE LTS (	•		20	1			0.83		0.02		1	20		SPARE (13)	22
MTC-16 CASE LTS (	13)		20	1					0.83		1	20		SPARE (13) SPACE	24 26
SPACE (13) SPACE (13)				1 1					]		-			SPACE	28
TEMP PLUGS (13)			20	_							┨.			SPACE	30
SPACE											╁			SPACE	32
S SPACE				_							_			SPACE	34
SPACE				_							1_			SPACE	36
' SPACE				-							<b> </b> -			SPACE	38
SPACE				-							-			SPACE	40
SPACE				-				<u>'</u>			] -			SPACE	42
			TO	TAL	4.:	L5	4.6	596	5.2	24	KV	A			
PER NEC ARTICLE 2	20				34.	58	39	.13	43.	53	ΑN	1PS			
		TC	TAL LC	AD	14.	07			39.	08	ΑN	1PS			
		FEE	DER LC	AD	14.	 07			22.	56	AN	1PS			

# PANELBOARD NOTES ()

- I. TERMINATE GROUND ON ISOLATED GROUND BUS. INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE). LOCKING DEVICE SHALL BE UL LISTED. MANUFACTURER SHALL MATCH EXISTING PANELBOARD MANUFACTURER.
  - INSTALL LOCKING DEVICE (LOCK-ON FOR CRITICAL
  - 4. GFI BREAKER FOR PERSONNEL PROTECTION (5MA).
  - 5. GFI BREAKER FOR EQUIPMENT PROTECTION (30MA).
  - 6. CONDUCTOR SIZE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE EQUIPMENT GROUNDING CONDUCTOR PROPORTIONATELY PER NEC.
  - REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT CURRENT FOR INTERRUPT RATINGS.
- 8. REFER TO ONE-LINE DIAGRAMS FOR WIRE SIZES.
- 9. FACTORY WIRED TO LOAD.
- 10. BREAKER SHALL BE HIGH MAGNETIC TYPE. 11. NEW PNLBD TO REPLACE EXISTING PNLBD WITH THE SAME NAME. NEW PNLBD POPULATION WAS DETERMINED BY ORIGINAL CONSTRUCTION DRAWINGS. E.C. SHALL VERIFY THAT ALL EXISTING BRANCH CIRCUITS ARE EXTENDED TO NEW PNLBD LOCATION. E.C. SHALL VERIFY CONDITION OF EXISTING BRANCH CIRCUIT CONDUIT AND WIRE TO
- 12. DUAL TAP SOLENOID OPERATED BREAKER. CONNECT EMERGENCY/NIGHT LIGHTING TO UNSWITCHED TERMINATION.

EXTEND PRIOR TO USE, TO INSURE THAT THEY MEET ALL U.L. RATINGS AND REPLACE AS REQUIRED.

- 13. EXISTING CIRCUIT TO REMAIN.
- 14. ROUTE CIRCUIT THROUGH CONTACTOR.
- 15. PROVIDE INTERLOCK WIRING WITH EXHAUST HOOD ANSUL SYSTEM.
- 16. RELOCATED CIRCUIT FROM EXISTING PANELBOARD. 17. PROVIDE LUG ADAPTERS AS REQUIRED.
- 18. HACR CIRCUIT BREAKER. 19. EXISTING CIRCUIT BREAKER TO REMAIN. VERIFY
- 20. ROUTE CIRCUIT THROUGH EXISTING LCU CABINET UTILIZING EXISTING RELAY AND CONTROLS. UPDATE LCU IDENTIFICATION SCHEDULE WITH LOAD IDENTIFICATION.

CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT IS OPERATIONAL AND MEETS ALL U.L. RATINGS.

- 21. PROVIDE HANDLE LOCK OFF DEVICE TO LOCK "SPARE" CIRCUIT BREAKER IN THE "OFF" POSITION. IF CIRCUIT BREAKER IS IDENTIFIED AS "EXISTING", FIELD VERIFY CIRCUIT BREAKER INDICATED IS NOT CONNECTED TO ANY LOAD AND UPDATE PANELBOARD CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPARE".
- 22. PROVIDE U.L. LISTED OVERCURRENT DEVICE TO COORDINATE AND MAINTAIN MANUFACTURER'S SERIES RATED SYSTEM.
- 23. SOLENOID OPERATED CIRCUIT BREAKER. REFER TO ENERGY MANAGEMENT PLANS FOR CIRCUIT BREAKER CONTROL.
- 24. TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND PROVIDE COMPLETE TYPEWRITTEN PANELBOARD IDENTIFICATION SCHEDULE AND PLACE ON INTERIOR OF PANELBOARD DOOR. IF CIRCUIT IS A "SPARE"
- 25. PROVIDE BLANK CIRCUIT BREAKER FILLER PLATE FOR EXPOSED SPACE IN PANELBOARD.

THEN REFER TO PANELBOARD NOTE (21).

26. RECIRCUIT EXISTING BREAKER TO SPARE/SPACE TO ALLOW SPACE FOR ADDITIONAL 3 POLE BREAKER TO BE INSTALLED

- <u>GENERAL NOTES:</u>
  1. E.C. SHALL ADD OR REARRANCE CIRCUIT BREAKERS WITHIN PANELBOARDS AS REQUIRED TO MATCH NEW CIRCUIT DESIGNATIONS SHOWN ON DRAWINGS. NEW OVERCURRENT PROTECTIVE DEVICES PLACE IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTION DEVICES IN
- . E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR ALL EXISTING ELECTRICAL PANELBOARDS AFFECTED BY THE REMODEL AND IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN PANELBOARD IDENTIFICATION SCHEDULE FOR ALL AFFECTED PANELBOARDS.
- 4. ALL OVERCURRENT DEVICES ARE NEW UNLESS NOTED OTHERWISE.

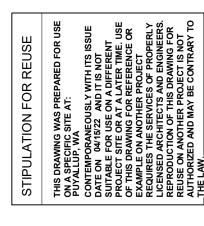
# 20A WIRE SIZING SCHEDULE

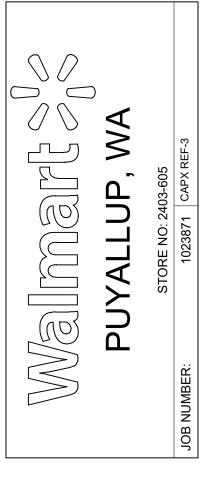
ALL WIRE SIZES SHOWN ON PANEL SCHEDULES ARE

INTENDED TO BE MINIMUM ACCEPTABLE WIRE SIZE. THE FOLLOWING SCHEDULE IS TO BE USED TO SIZE WIRE FOR 20 AMP CIRCUITS (120 AND 277 VOLT). LENGHTS (IN FEET) ARE INTENDED TO BE MAXIMUM.

120 VOLT	#12	#10	#8	#6
1-5 AMPS	200 FT.	325 FT.	490 FT.	770 FT.
6-10 AMPS	100 FT.	160 FT.	245 FT.	385 FT.
11-15 AMPS	70 FT.	110 FT.	165 FT.	255 FT.
277 VOLT	#12	#10	#8	#6
1-5 AMPS	480 FT.	760 FT.	1170 FT.	1865 FT.
6-10 AMPS	240 FT.	380 FT.	585 FT.	930 FT.
11-15 AMPS	160 FT.	250 FT.	390 FT.	620 FT.





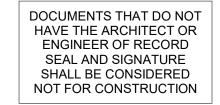


ISSUE BLOCK

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СН	ECKED BY:	MF
DRA	AWN BY:	ВН
PRO	OTO CYCLE:	12/17/21

DOCUMENT DATE: 04/15/22





PANELBOARD SCHEDULES

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

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

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