Walmart

WOODLAND, WASHINGTON
STORE NO.: 3742-279

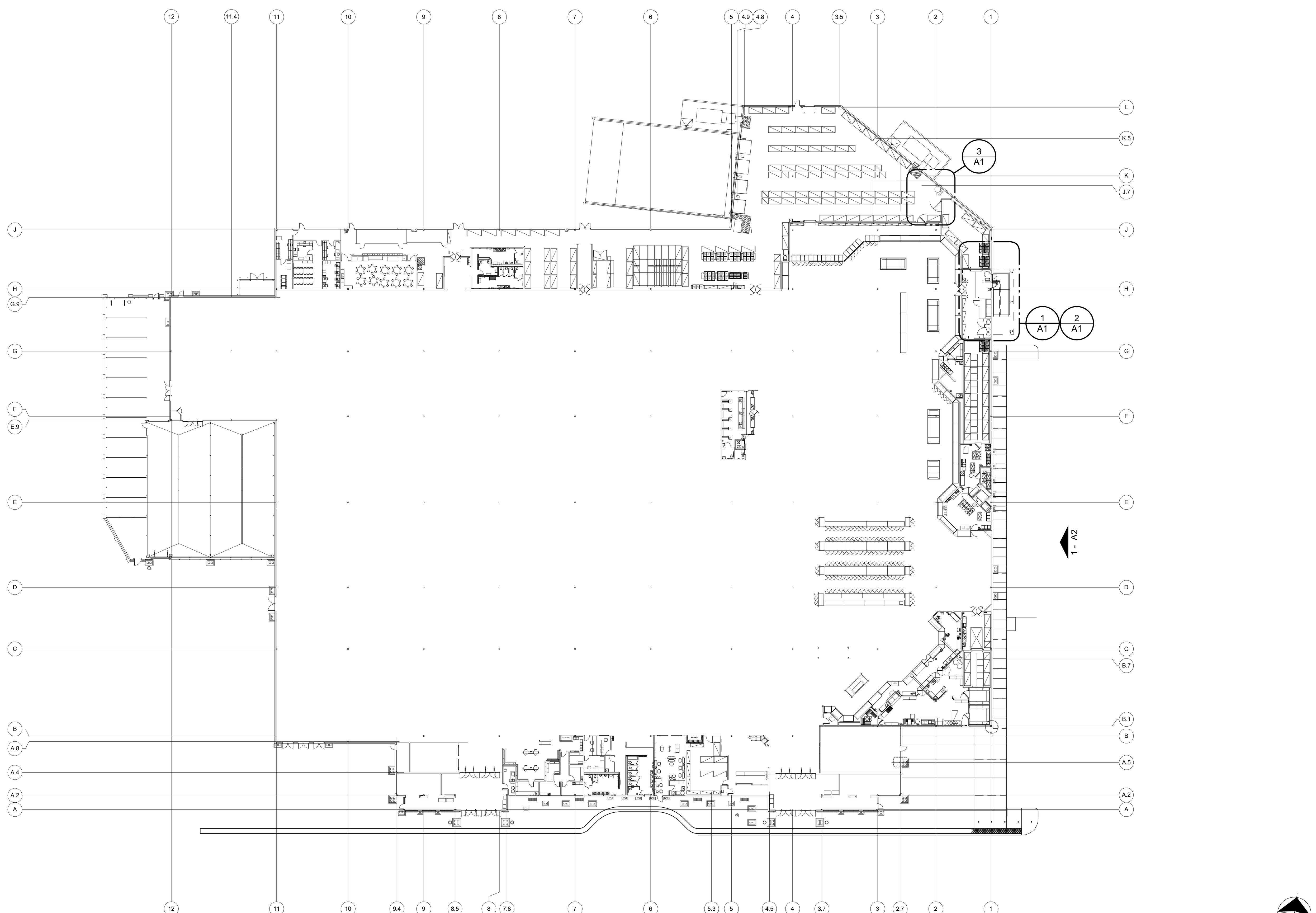
SPECIAL PROJECT

EXISTING SQ FT: 155,980
DATE: 10/15/2021

DRAWING INDEX

BUILDING CODE SUMMARY

	NAME OF PROJECT:	WOODLAND, WASHINGTON SPECIAL PROJECT
	STREET ADDRESS:	1486 DIKE ACCESS RD.
	PROPOSED USE:	RETAIL
CODES:	BUILDING CODE:	2015 IBC W/ WASHINGTON AMENDMENTS
	MECHANICAL CODE:	2015 IMC W/ WASHINGTON AMENDMENTS
	PLUMBING CODE:	2015 UPC W/ WASHINGTON AMENDMENTS
	ELECTRICAL CODE:	2017 NEC W/ WASHINGTON AMENDMENTS
	FIRE CODE:	2015 IFC W/ WASHINGTON AMENDMENTS
	ACCESSIBILITY CODE:	2009 ANSI 117.1
	ENERGY:	2015 WASHINGTON STATE ENERGY CODE
	LIFE SAFETY:	2015 IBC WITH WASHINGTON AMENDMENTS
OCCUPANCY:	M-MERCANTILE; WHOLESALE OR RETAIL STORE (MAIN USE) S1-STORAGE AREA	
TYPE OF CONTRUCTION:	VB UNPROTECTED (SPRINKLERED)	
ALLOWABLE AREA:	UNLIMITED	
FIRE PROTECTION:	BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM AND IS SURROUNDED ON ALL SIDES BY 60 FEET MINIMUM OF PERMANENT OPEN SPACE. UNLIMITED AREA CRITERIA IN APPLICABLE.	



1 KEY PLAN
1" = 40'-0"

GENERAL REQUIREMENTS

1. ALL WORK SHALL BE DONE IN A SAFE MANNER AND IN STRICT ACCORDANCE WITH THE LOCAL AND/OR STATE BUILDING CODES, AND ALL APPLICABLE CODES, REGULATION, ORDINANCES, AND AUTHORITIES HAVING JURISDICTION.
2. EACH CONTRACTOR AND THEIR SUB-CONTRACTORS ARE 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 HIM OF ANY RESPONSIBILITY FOR PERFORMING HIS WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.
3. THE EXISTING BUILDING SHALL BE PROTECTED FROM MOISTURE, DUST AND DEBRIS. INSTALL DUST PARTITIONS OR DRAPES AS REQUIRED AND/OR DIRECTED BY THE WALMART CONSTRUCTION MANAGER TO KEEP DUST AND MOISTURE FROM THE OPERATING AREAS OF THE STORE.
4. ANY DAMAGE TO WALMART PROPERTY, WHICH OCCURS DURING THE PROCESS OF CONSTRUCTION, SHALL BE REPAIRED/REPLACED AT NO ADDITIONAL COST TO WALMART, THIS INCLUDES ALL MERCHANDISE. THE CONTRACTOR SHALL PAY WALMART THE RETAIL COST FOR ALL DAMAGED MERCHANDISE.
5. THE CONTRACTOR SHALL KEEP WORK AREA CLEAN AND FREE OF DEBRIS AND SHALL REMOVE ALL TRASH AND DEBRIS FROM THE CONSTRUCTION AREA DAILY. NO FLAMMABLE MATERIALS OR LIQUIDS MAY BE STORED IN THE EXISTING BUILDING OR CONSTRUCTION AREAS.
6. REMOVE ANY EXISTING ITEMS, SERVICES, FINISHES OR SURFACES AS REQUIRED FOR THE INSTALLATION OF NEW CONSTRUCTION. PROVIDE FURRING FOR CONDUITS AND PIPING, SHOWN OR NOT, AND FINISH OUT FURRING TO MATCH ADJACENT FINISHES.
7. ALL ADJACENT TENANT SPACES SHALL REMAIN IN SERVICE DURING DEMOLITION AND CONSTRUCTION.
8. SCHEDULE ALL WORK TO KEEP DISRUPTIONS TO THE STORE OPERATIONS AT A MINIMUM. COORDINATE UTILITY DISRUPTIONS WITH THE WALMART STORE MANAGER.
9. REPAIR, RE-ROUTE, AND EXTEND ALL SERVICES, PIPING, CONDUIT OF EXISTING ITEMS AND EQUIPMENT AS REQUIRED DURING THE CONSTRUCTION PROCESS FOR THE COMPLETE INSTALLATION AND OPERATIONS OF NEW EQUIPMENT. THIS INCLUDES ALL ITEMS SHOWN OR NOT SHOWN ON THE DRAWINGS. RESET EXISTING EQUIPMENT OR RELATED ITEMS AS REQUIRED FOR PROPER OPERATION.
10. WHERE EXISTING FINISHES ARE TO REMAIN, CLEAN, REPAIR, PATCH, AND/OR REPAINT AS NECESSARY TO BLEND WITH ADJACENT SURFACES. COORDINATE WITH WALMART CONSTRUCTION MANAGER.
11. THE GENERAL 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.
12. THE GENERAL CONTRACTOR SHALL RESPOND TO ALL REQUIREMENTS OF THE ARCHITECT FOR VERIFICATIONS, RESPONSES AND SUBMISSIONS.
13. DURING ENTIRE CONSTRUCTION PERIOD, PROVIDE ONE U.L. LISTED 2A-20BC DRY CHEMICAL FIRE EXTINGUISHER, OR ONE STANDARD U.L. LISTED 2-1/2 GALLON WATER (E-10) AND ONE U.L. LISTED 10BC CARBON DIOXIDE FIRE EXTINGUISHER MOUNTED TOGETHER IN EACH 3000 SQUARE FOOT OF WORK AREA OR FRACTION THEREOF (MINIMUM OF TWO AVAILABLE IN ALL CONSTRUCTION AREAS AT ALL TIMES).
14. IF MODIFICATION TO SPRINKLER SYSTEM IS REQUIRED, THE GENERAL CONTRACTOR SHALL HIRE A LICENSED SPRINKLER CONTRACTOR. THE CONTRACTOR IS TO SUBMIT SIGNED AND SEALED SPRINKLER DRAWINGS FOR APPROVAL TO THE AHJ PRIOR TO ANY ALTERATION OF THE AUTOMATIC SPRINKLER SYSTEM.
15. 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 SYSTEM. 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.
16. FIRE ALARM DRAWINGS TO BE FURNISHED AND INSTALLED BY WALMART ALARM SERVICES.
17. CONTRACTOR TO MAINTAIN ACCESS TO ALL EMERGENCY EGRESS EXITS DURING CONSTRUCTION OPERATIONS.
18. CONTRACTOR RESPONSIBLE FOR PERMITS AND TRADE LICENSES THROUGH LOCAL JURISDICTION.

SITE VERIFICATION REQUIREMENTS

1. THE ARCHITECT HAS PREPARED THESE DRAWINGS BASED ON THE EXISTING BUILDING CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE SUBMISSION OF HIS BID AND THE COMMENCEMENT OF ANY WORK. NO ADDITIONAL COMPENSATION WILL BE PAID DUE TO THE CONTRACTOR'S FAILURE TO ACQUAINT HIMSELF WITH EXISTING SITE CONDITIONS WHICH INCLUDE, BUT ARE NOT LIMITED TO EXISTING WALL, CEILINGS, OR UTILITIES.
2. ANY DISCREPANCY WITH THE EXISTING SITE CONDITIONS AND/OR THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION AND INSTRUCTION. THESE CONSTRUCTION DOCUMENTS HAVE BEEN DESIGNED AND DRAWN ASSUMING EXISTING BUILDING CONDITIONS MATCH THE ORIGINAL DRAWINGS. THE GENERAL CONTRACTOR, IMMEDIATELY UPON ARRIVAL AT THIS SITE, SHALL VERIFY ALL EXISTING STRUCTURAL COLUMN DIMENSIONS, STRUCTURAL BEARING HEIGHTS, EXISTING DIMENSION, AND ROOFING CONDITIONS (INCLUDING PARAPETS). 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.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES (WHETHER SHOWN OR NOT) PRIOR TO THE SUBMISSION OF HIS BID OR THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE WALMART CONSTRUCTION MANAGER AND THE ARCHITECT OF THE DISCOVERY OF EXISTING UTILITIES NOT SHOWN OR NOTED ON THE DRAWINGS.
4. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DEPTHS OF UNDERGROUND UTILITY SERVICES PRIOR TO ANY EXCAVATION.
5. REPORT ANY DISCREPANCIES FOUND IN THE FIELD IMMEDIATELY TO WALMART AND THE ARCHITECT PRIOR TO MAKING ANY MODIFICATIONS OR ORDERING OF ANY MATERIALS.

DEMOLITION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR ALL JOBSITE SAFETY AND COMPLIANCE WITH REGULATIONS. CONTRACTOR SHALL INSTALL TEMPORARY WALL, DUST BARRICADES AND CONSTRUCTION BARRIERS AND TAKE ALL PRECAUTIONS TO PROTECT CUSTOMERS AND ASSOCIATES FROM CONSTRUCTION OPERATIONS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION. IF DISCREPANCIES ARE FOUND, CONTACT THE ARCHITECT AND WALMART CONSTRUCTION MANAGER.
3. WHEN UTILITIES ARE REMOVED, CAP AND SEAL A MINIMUM OF 8" BELOW FINISH FLOOR OR A MINIMUM OF 6" ABOVE FINISH CEILING.
4. SAW CUTTING OF EXISTING CONCRETE WILL BE COORDINATED WITH STORE MANAGER FOR APPROPRIATE HOURS TO MINIMIZE CUSTOMERS DISTURBANCE. NO JACKHAMMERS ARE ALLOWED.
5. GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF CONSTRUCTION WASTE AND DEBRIS. DO NOT USE STORE DUMPSTERS. PREVENT CUSTOMERS AND ASSOCIATES FROM CONTACT WITH CONSTRUCTION WASTE.
6. COORDINATE LOCATION OF DUMPSTER ON SITE WITH WALMART CM.

GENERAL SCOPE OF WORK

- NEW EXTERIOR SLIDING DOOR FOR PICKUP
- EXPANSION OF EXISTING LANDING AND RAMP AT PICKUP DOOR
- INSTALLATION OF ASSOCIATE CANOPY AT PICKUP DOOR AND RAMP

ARCHITECTURAL:	MECHANICAL/ELECTRICAL/PLUMBING:	BUILDING REVIEW:	STORE ADDRESS:
pb2 architecture + engineering 2809 AJAX AVENUE SUITE 100 ROGERS, ARKANSAS 72758 (479) 636-3545	pb2 architecture + engineering 2809 AJAX AVENUE SUITE 100 ROGERS, ARKANSAS 72758 (479) 636-3545	CITY OF WOODLAND BUILDING DIVISION 230 DAVIDSON AVENUE WOODLAND, WASHINGTON 98674 (360) 225-7299	WALMART STORE NO. 3742-279 1486 DIKE ACCESS RD. WOODLAND, WASHINGTON 98674

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ISSUE BLOCK

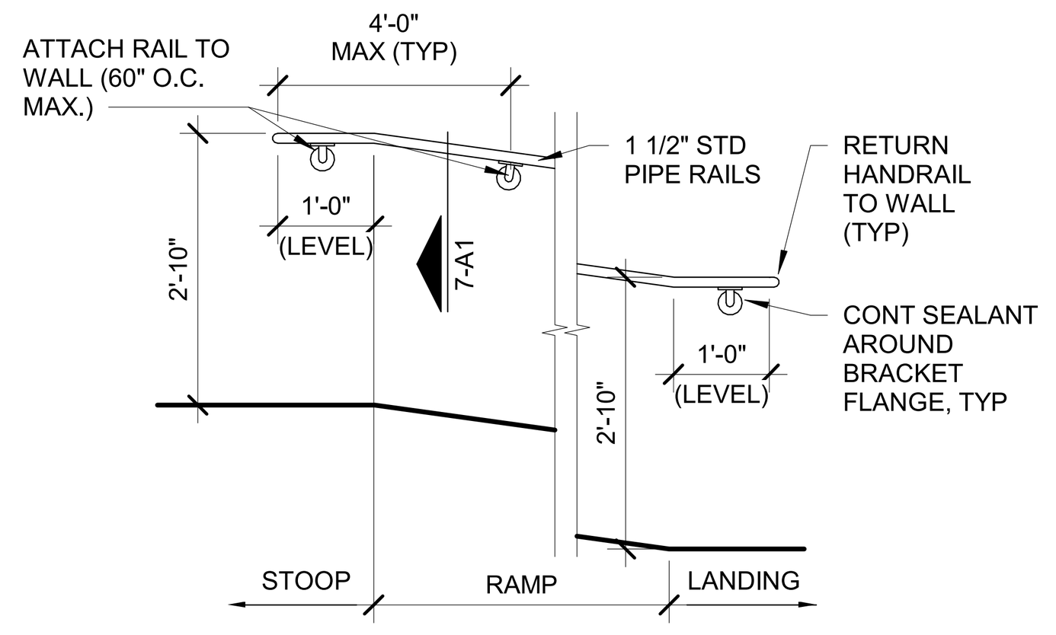
CHECKED BY:	SB
DRAWN BY:	AR
PROTO CYCLE:	9/24/2021
DOCUMENT DATE:	10/15/2021

8855 REGISTERED ARCHITECT
WILLIAM DOUGLAS HURLEY
STATE OF WASHINGTON
10.19.2021

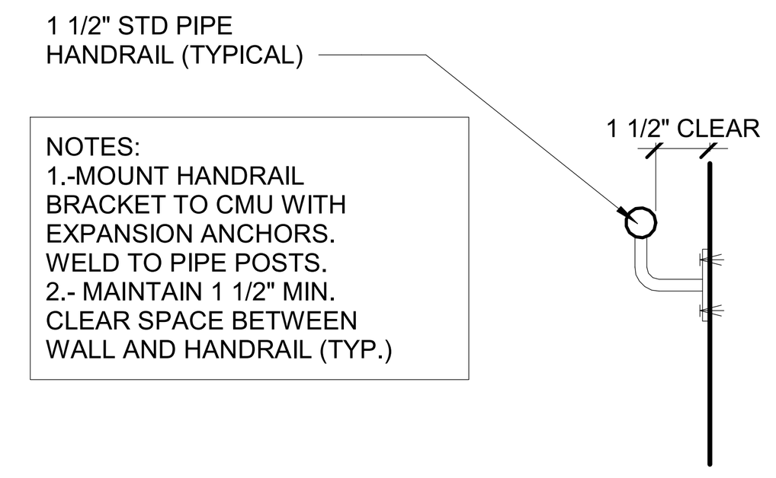
DOCUMENTS THAT DO NOT HAVE THE ARCHITECT OR ENGINEER OF RECORD SEAL AND SIGNATURE SHALL BE CONSIDERED NOT FOR CONSTRUCTION

COVER SHEET

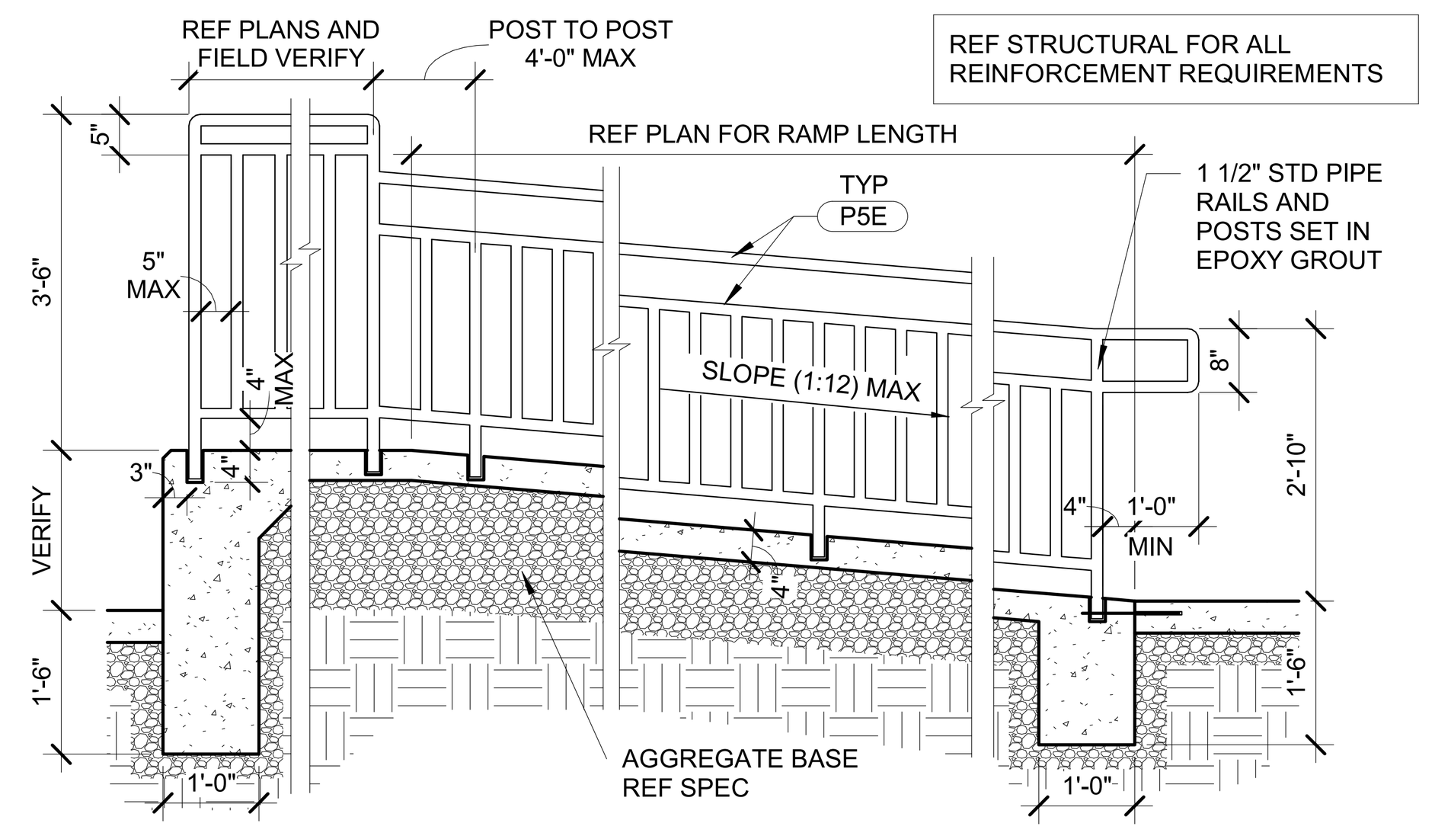
SHEET: C1



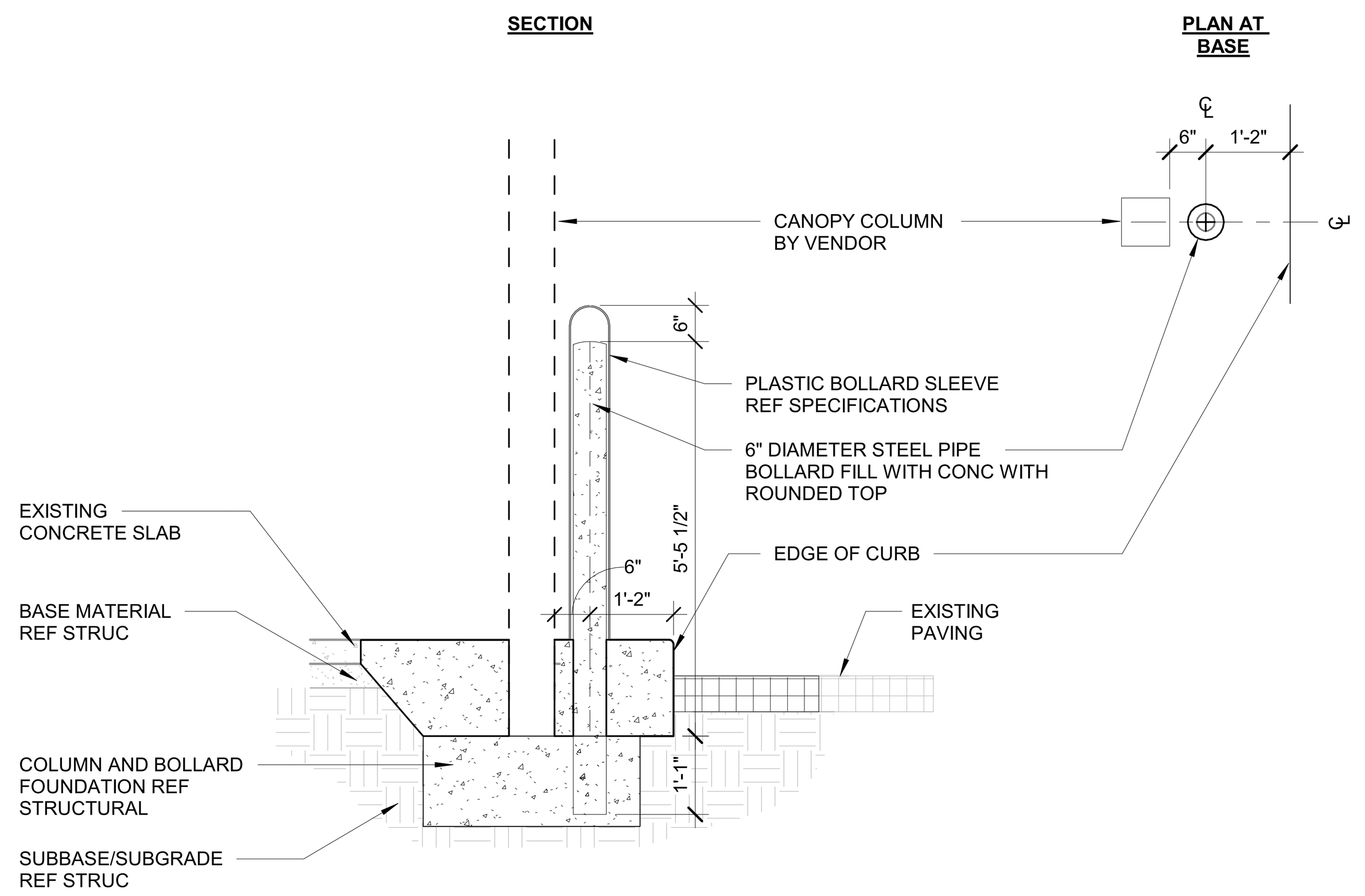
8 RAMP HANDRAIL
1/2" = 1'-0"



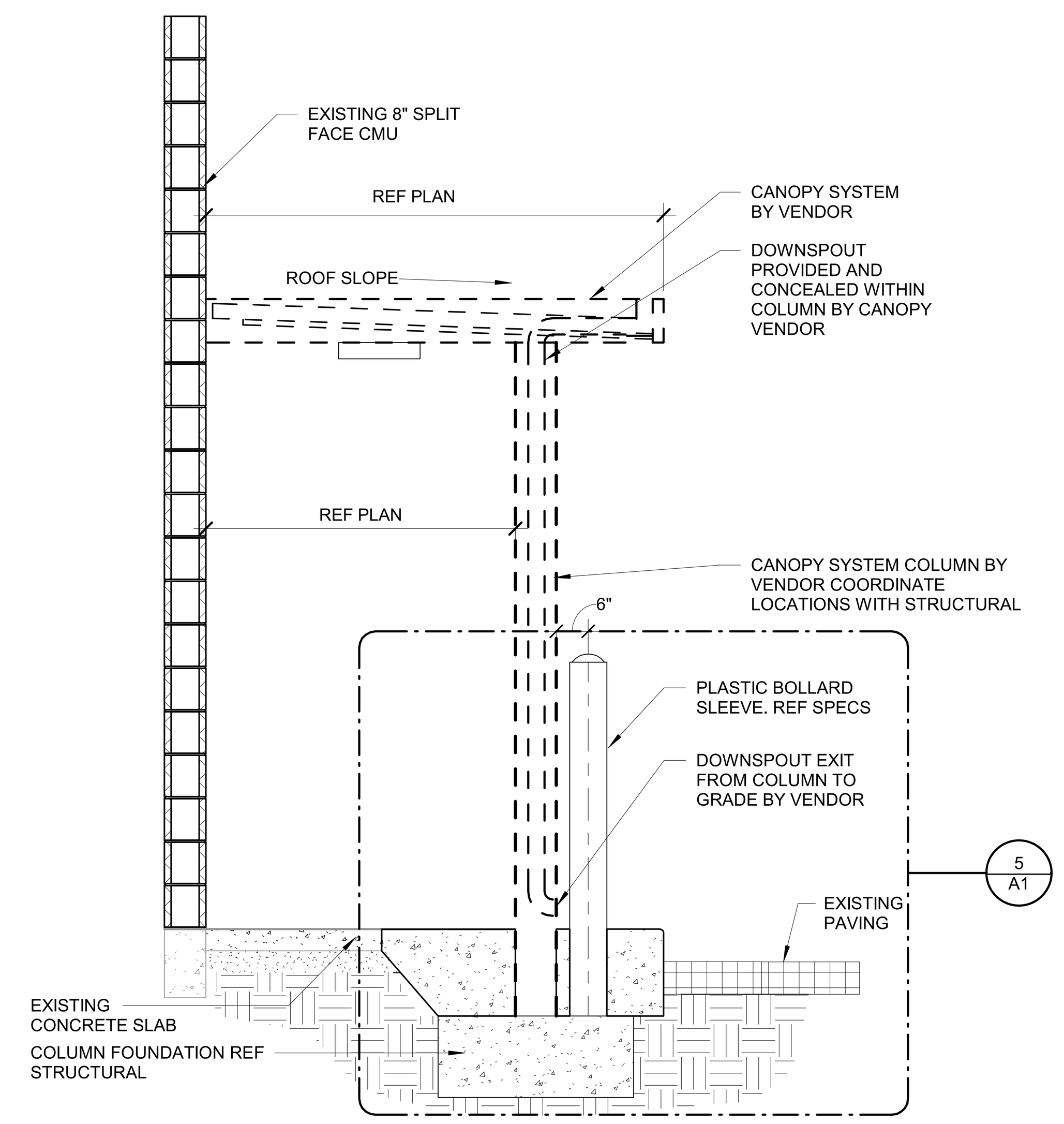
7 HANDRAIL BRACKET
1 1/2" = 1'-0"



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



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



4 ASSOCIATE CANOPY COVER SECTION
1/2" = 1'-0"

SHEET NOTES

1. STUD WALL DIMENSIONS ARE TO THE FACE OF THE STUDS.
2. PROPER INSTALLATION OF JOINT SEALANTS IS CRITICAL TO MEETING WALMART QUALITY ASSURANCE STANDARDS. PROVIDE SEALANTS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS. REFERENCE SECTION 07900 FOR SEALANT SCHEDULE.
3. 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.
4. ROUTE ALL UTILITY SERVICE LINES (PIPES AND CONDUIT) WITHIN STUD WALLS WHEREVER POSSIBLE. ON COOLER/FREEZER PANELS IN FOOD PREP AREAS WHERE UTILITIES MUST BE EXPOSED, CONTRACTOR TO HAVE THE OPTION OF THE FOLLOWING:
   A. SURFACE MOUNT UTILITIES WITH NON-CORROSIVE ANCHORS; SEAL BOTH SIDES OF PIPE/CONDUIT TO PANEL CONTINUOUSLY WITH SEALANT.
   B. INSTALL UTILITIES 1/2" OFF FACE OF PANEL TO ALLOW FOR CLEANING; USE ONLY NON-CORROSIVE ANCHORS; APPLY CONTINUOUS SEALANT ALONG EDGES AND JOINTS.
   C. COVER UTILITIES WITH 20 GAUGE STAINLESS STEEL BENT PLATES MOUNTED TO WALL WITH NON-CORROSIVE ANCHORS; APPLY CONTINUOUS SEALANT ALONG EDGES AND JOINTS.

DEMO NOTES

1. SALES FLOOR TO BE ACCESSIBLE TO CUSTOMERS DURING NON-CONSTRUCTION HOURS. REMOVE CONSTRUCTION FENCING AND DUST WALLS INTERFERING WITH CUSTOMER CIRCULATION OR ACCESS.
2. DEMOLITION INCLUDES BUT IS NOT LIMITED TO ITEMS SHOWN DASHED.
3. REMOVE ALL DOORS SHOWN DASHED. REFER TO DOOR SCHEDULE FOR DOOR AND FRAME REPLACEMENT.
4. COORDINATE REMOVAL AND DISPOSAL OF EXISTING FIXTURES WITH MECHANICAL SERVICES CONSTRUCTION MANAGER.
5. REMOVAL OF GONDOLAS AND/OR RACKING AS INDICATED ON FXS SHEETS WILL BE PERFORMED BY G.C..

LEGEND

EXISTING
NEW
NEW PARTITION WALL
DEMO
RELOCATE
AREA OF DEMOLITION

COLOR LEGEND	
P5E	SAFETY YELLOW

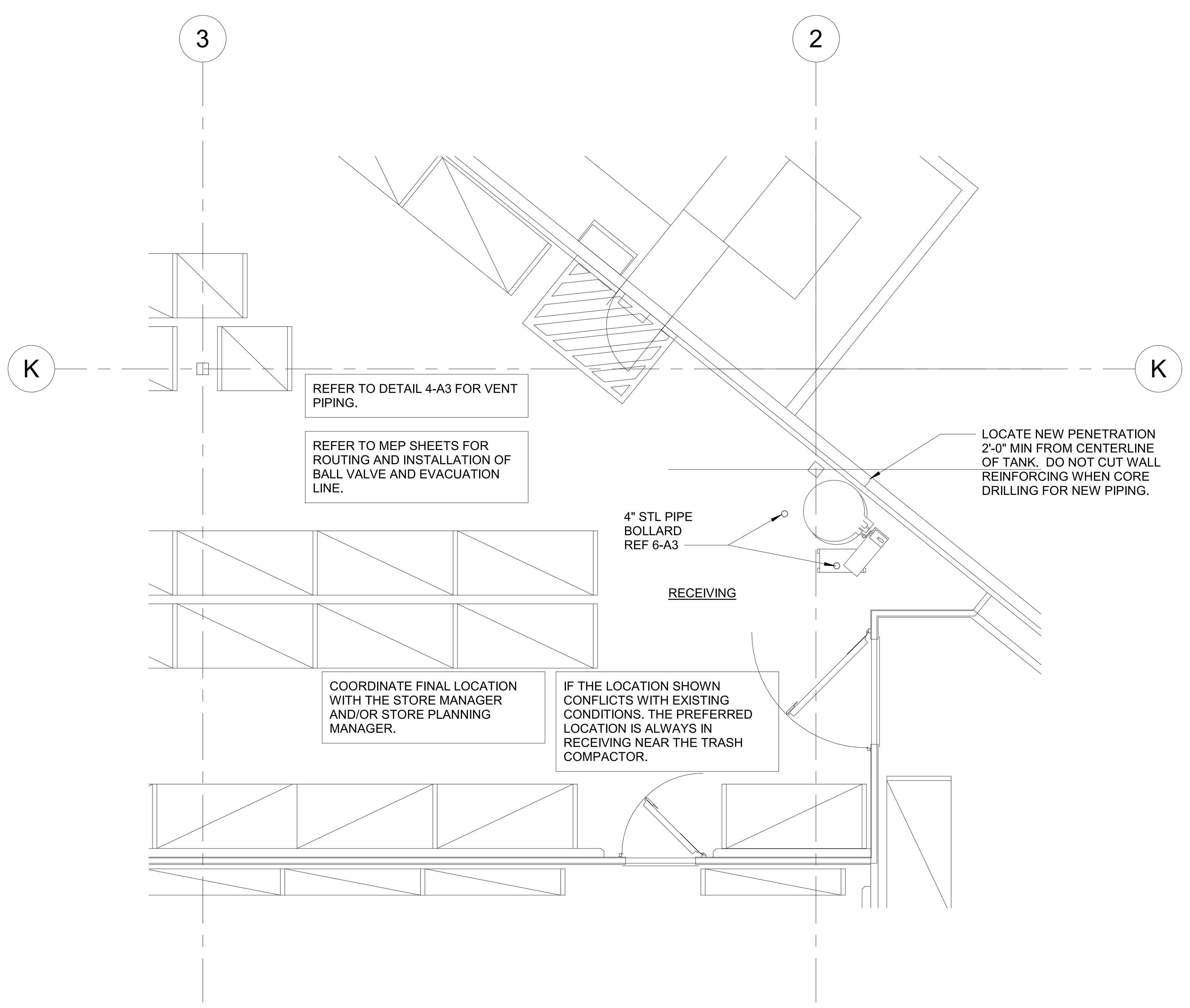
KEYNOTES	
5.54	32" GALVANIZED STEEL BOLLARD, 4" OD FURNISHED BY OWNER, INSTALLED BY GC

992 STOCKROOM-B

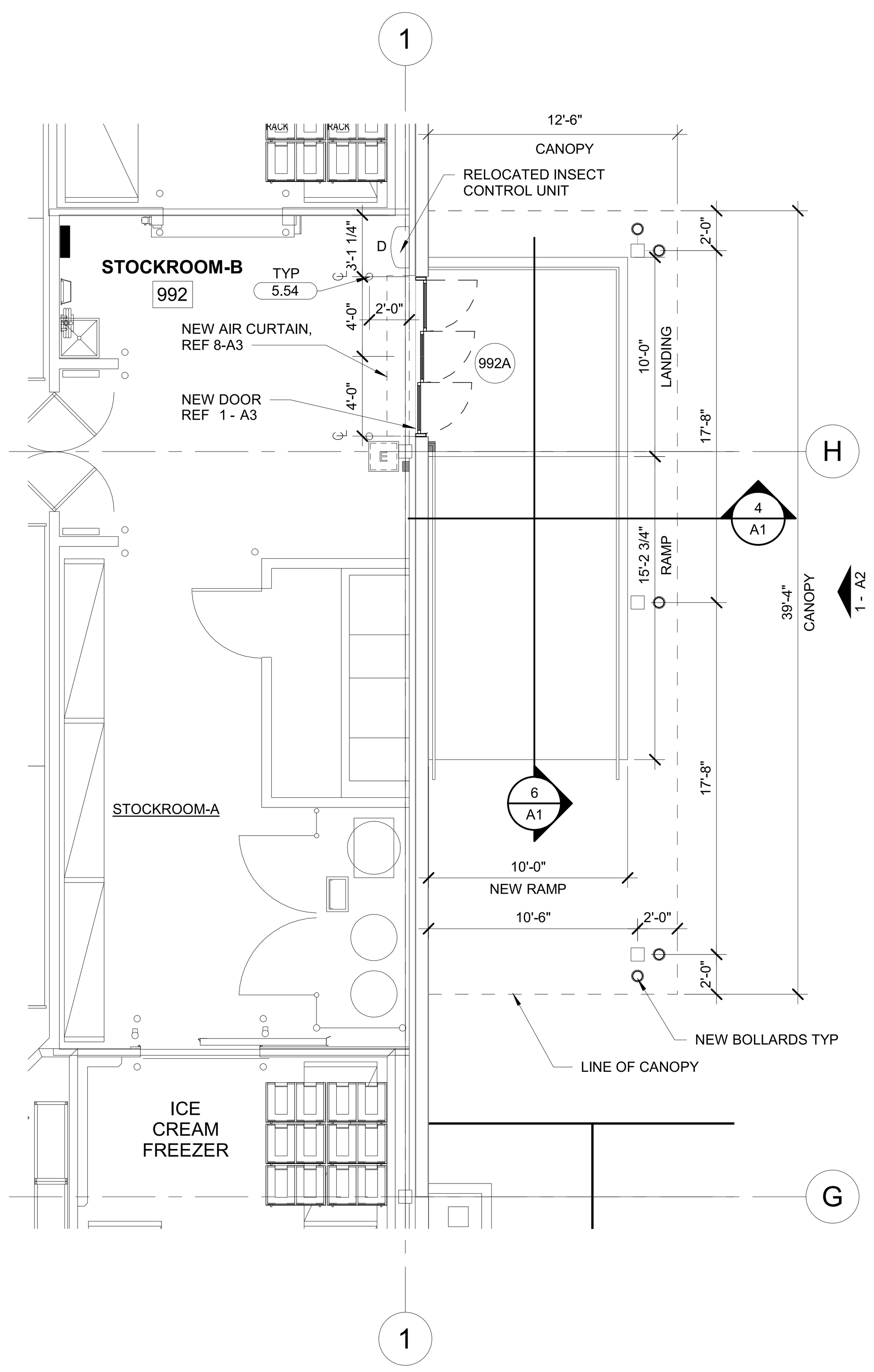
WALLS
- AT AREA OF REMOVED WALL, PATCH AND REPAIR TO MATCH ADJACENT
- AT AREA OF RELOCATED WASTE COOKING OIL TANK, PATCH AND REPAIR TO MATCH ADJACENT.

FLOOR
- ETR.

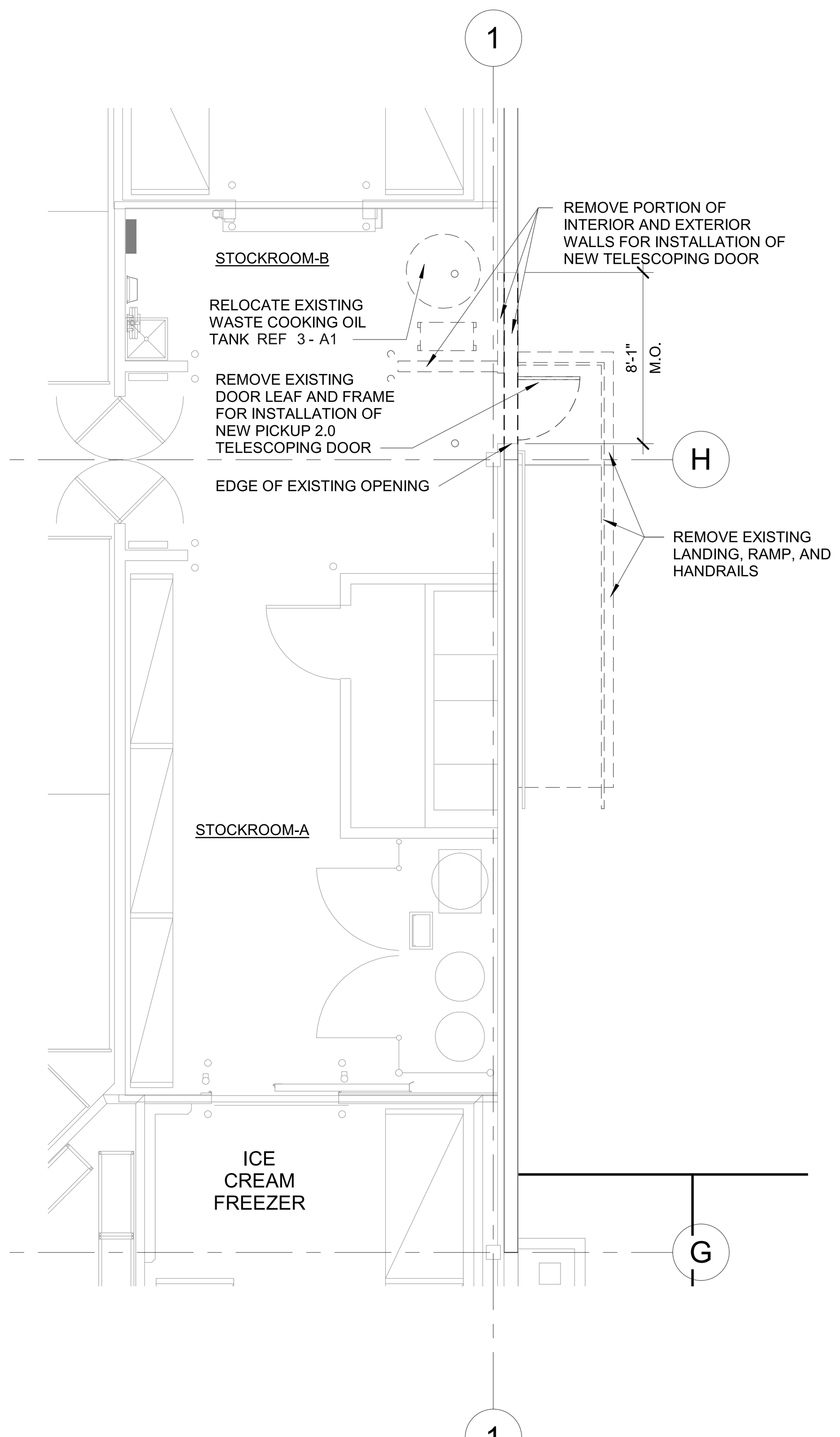
CEILING
- OPEN TO STRUCTURE



3 RECEIVING FLOOR PLAN
3/16" = 1'-0"



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



1 STOCKROOM DEMO PLAN
3/16" = 1'-0"

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FLOOR PLAN

SHEET:
A1

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KEYNOTES

5.01	6" PIPE BOLLARD WITH GRAY PLASTIC SLEEVE (HEIGHT OF SLEEVE NOTED ADJACENT TO KEYNOTE)

COLOR LEGEND

P162E	BLACK GRAY

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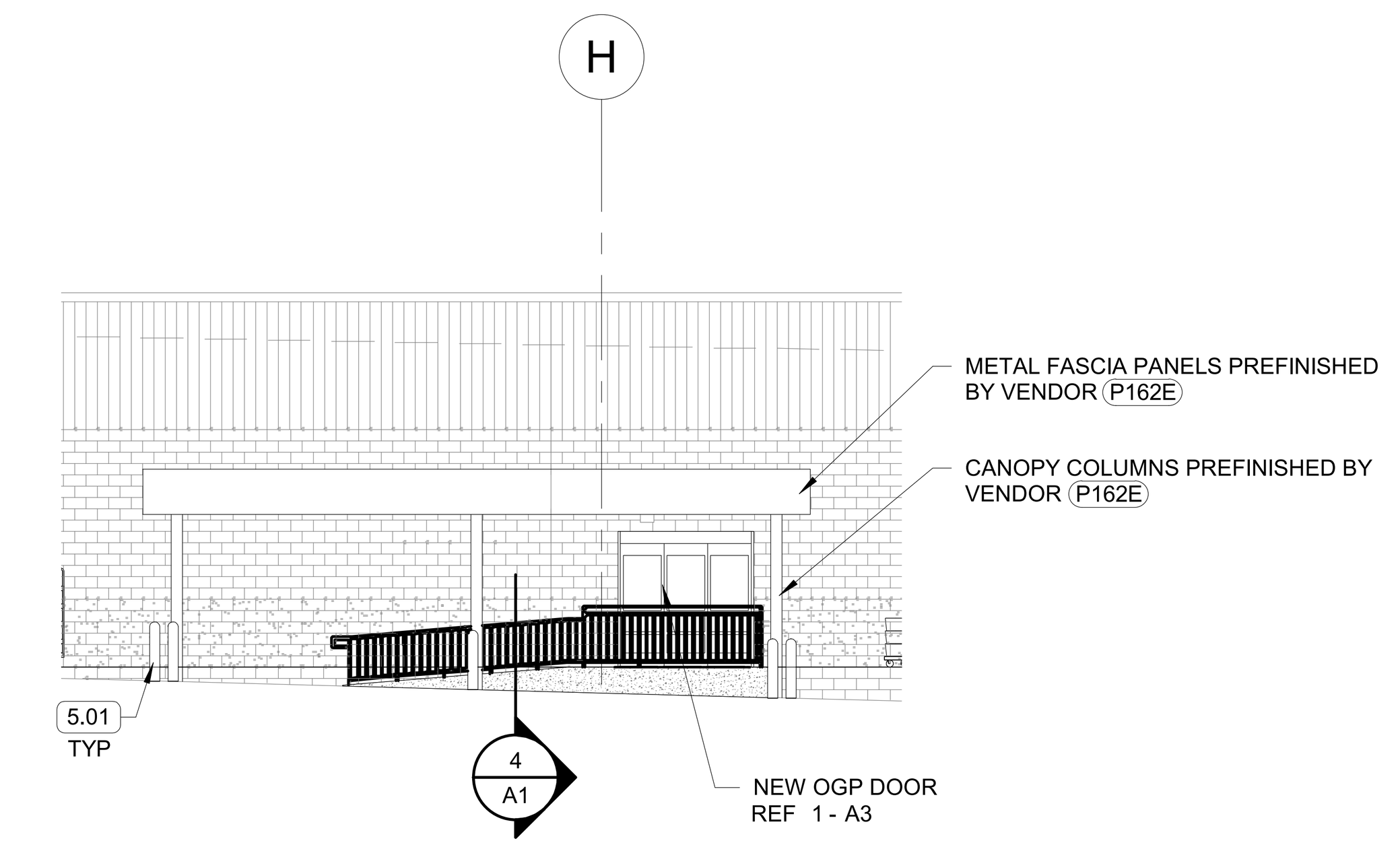
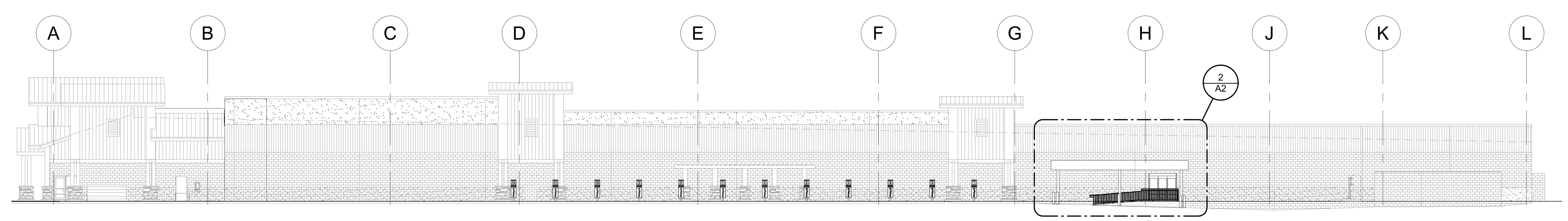


2 ASSOCIATE CANOPY ELEVATION
1" = 10'-0"



1 RIGHT ELEVATION
1" = 20'-0"

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EXTERIOR ELEVATIONS

SHEET:
A2

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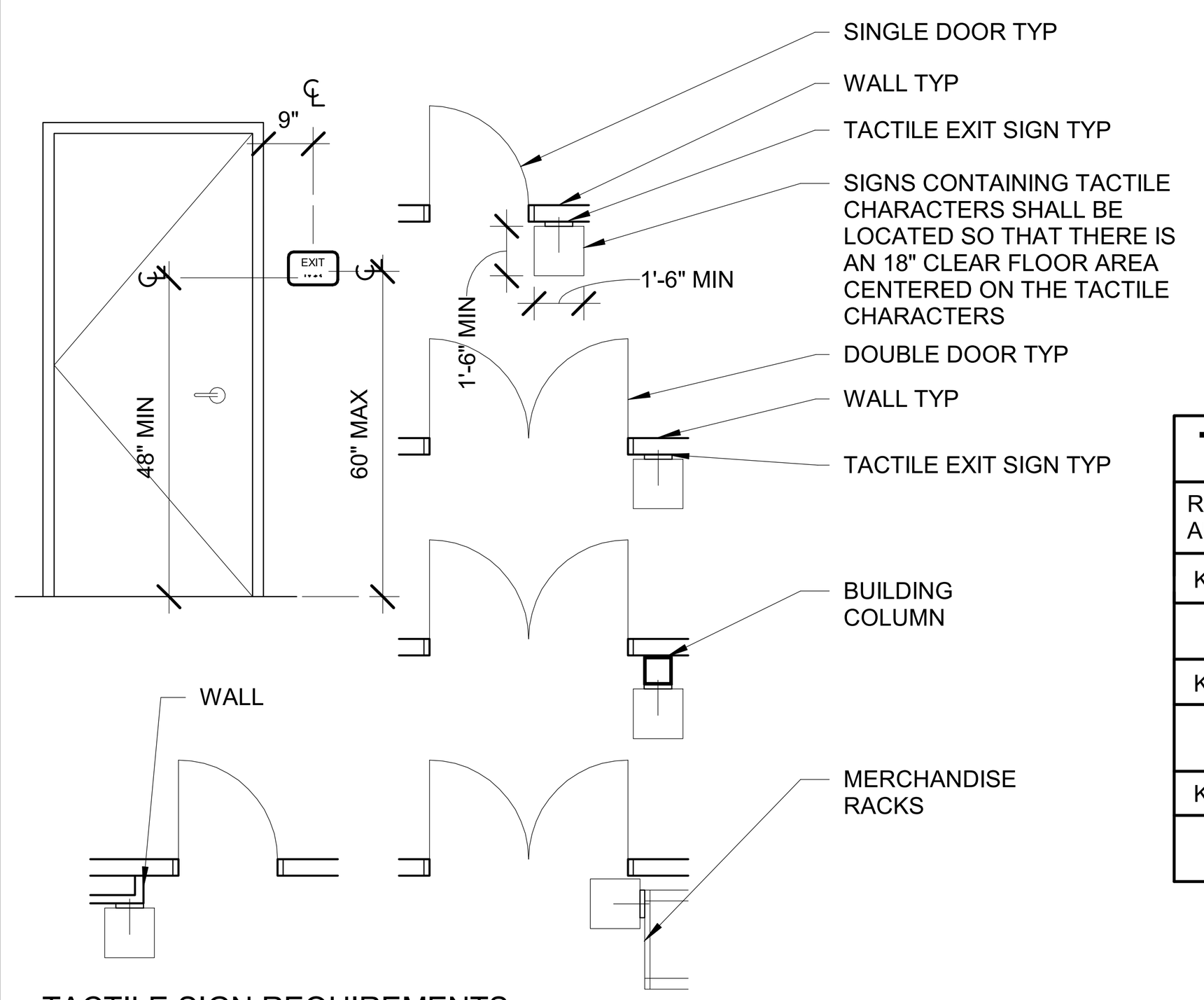
NEW DOOR AND FRAME SCHEDULE

DETAIL REFERENCES ARE TO SHEET A8.1 UNO

		DOOR							FRAME			DETAIL					
						NOMINAL SIZE											
MARK	ROOM NAME	NEW/ ETR	TYPE	MATERIAL	QTY	WIDTH	HEIGHT	GLASS	NEW/ ETR	TYPE	MATERIAL	HEAD	JAMB	THRESHOLD	FIRE RATING (MIN)	NOTES	MARK
992A		NEW	C4	ALUM	1	8' - 0"	8' - 0"	TEMPERED	NEW	---	ALUM	2,8	3	[---]	---	38, 40, 41, 45	992A

TACTILE SIGNAGE



TACTILE EXIT SIGN LEGEND

REF:TACTILE SIGN REQUIREMENTS AND DIMENSIONS ABOVE FOR ACCESSIBLE SIGNAGE PLACEMENT

KEYNOTE	SIGNAGE
E	EXIT
KEYNOTE	SIGNAGE
E1	NOT A EXIT ACCESSIBLE EXIT
KEYNOTE	SIGNAGE
E2	NOT A EXIT ACCESSIBLE EXIT

TACTILE SIGN REQUIREMENTS

1. A TACTILE SIGN STATING "EXIT" AND COMPLYING WITH ANSI A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE. REF DOOR SCHEDULE FOR LOCATIONS.
2. FOR CHARACTER WIDTH, THE UPPERCASE LETTER "O" SHALL BE USED TO DETERMINE THE ALLOWABLE WIDTH OF ALL CHARACTERS OF A FONT. THE WIDTH OF THE UPPERCASE LETTER "O" OF THE FONT SHALL BE 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE "I" OF THE FONT. CHARACTER HEIGHT MEASURED FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" (16 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".
3. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND
4. CHARACTERS SHALL CONFORM TO THE FOLLOWING:
   A. LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED GRADE 2 BRAILLE
   B. RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8" HIGH AND A MAXIMUM OF 2"
5. CONTRACTED GRADE 2 BRAILLE SHALL BE USED. DOTS SHALL BE 0.090" (2.3 MM) TO 0.100" (2.5 MM) ON CENTER IN EACH CELL WITH 0.241" (6.1 MM) TO 0.300" (7.6 MM) SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 0.025" (0.6 MM) TO 0.037" (0.9 MM) ABOVE THE BACKGROUND.
6. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE LOCATED 48 INCHES (1220 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES (1525 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES (455 MM) MINIMUM BY 18 INCHES (455 MM) MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. EXCEPTION: SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

DOOR SCHEDULE NOTES

38	PREFINISHED DOOR AND HARDWARE FURNISHED AND INSTALLED BY VENDOR.
40	AUTOMATIC OPENER INSTALLED BY VENDOR, REF SPEC.
41	CARDREADER INSTALLED BY VENDOR, REF SPEC.
45	NOMINAL SIZE FOR HEIGHTS AND WIDTHS ARE DETERMINED BY THE PACKAGE HEIGHT AND WIDTH FROM DOOR VENDOR.

MATERIAL KEY

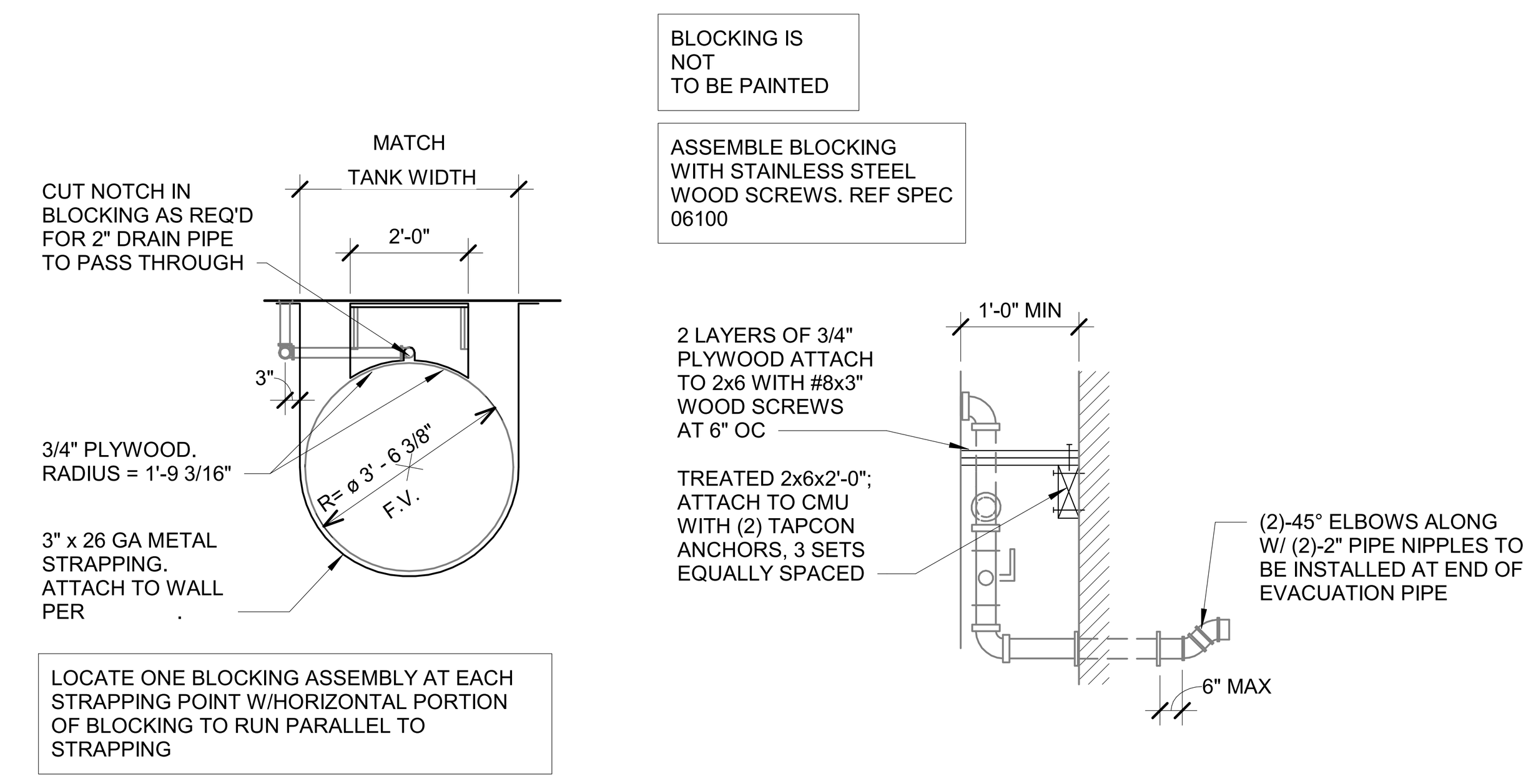
ALUM	ALUMINUM

GENERAL NOTES

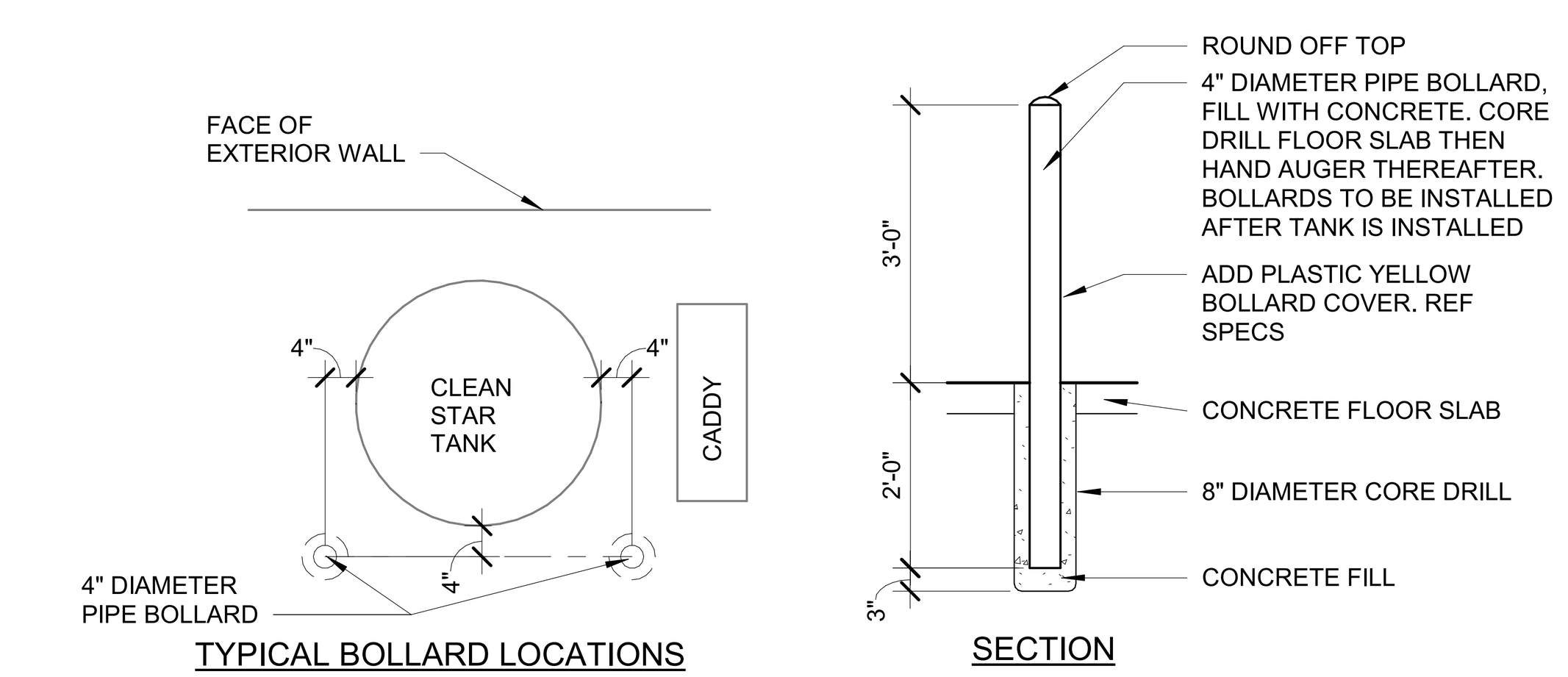
1. FURNISH AND INSTALL ALL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION READY FOR INTENDED USE.
2. SCHEDULE ALL WORK TO KEEP DISRUPTIONS TO THE STORE OPERATIONS AT A MINIMUM. COORDINATE UTILITY DISRUPTIONS WITH THE WALMART STORE MANAGER.
3. GENERAL CONTRACTOR TO COORDINATE RELOCATION OF TANK WITH WALMART CONSTRUCTION MANAGER.
4. ENVIRONMENTAL, HEALTH AND SAFETY COMPLIANCE SHALL BE RESPONSIBLE FOR EMPTYING, HANDLING, REMOVAL, AND DISPOSAL OF TANK CONTENTS.

SHEET NOTES

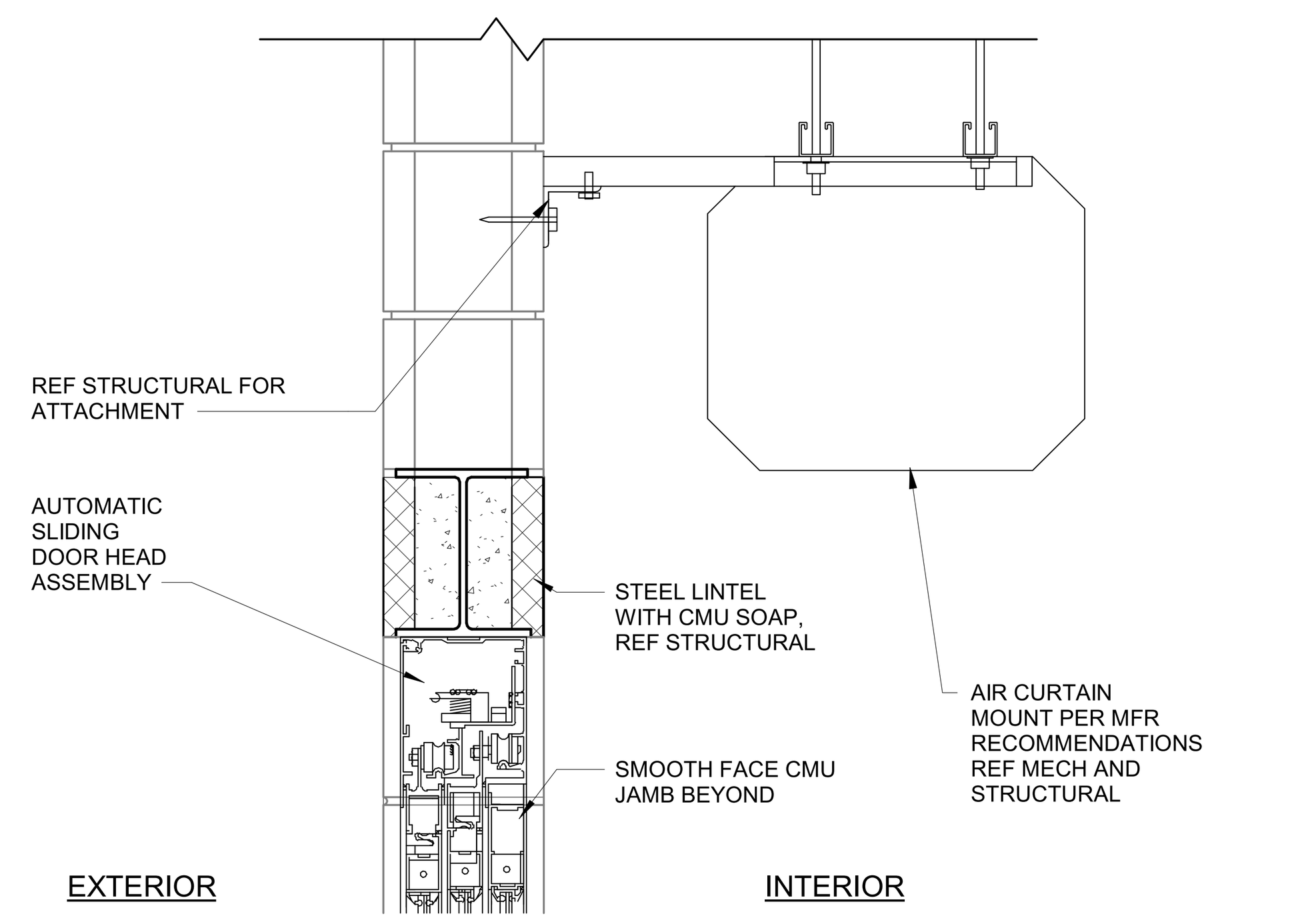
1. EXISTING CONDITIONS SHOWN IN THESE PLANS ARE FROM ORIGINAL DESIGN DRAWINGS AND HAVE NOT BEEN FIELD VERIFIED BY THE ARCHITECT. ALL EXISTING MATERIAL, DIMENSIONS, ELEVATION, AND GENERAL CONDITIONS OF THE BUILDING SHALL BE VERIFIED BEFORE PURCHASE OF MATERIAL AND CONSTRUCTION. CONTRACTOR TO NOTIFY WALMART CONSTRUCTION MANAGER OF ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS IMMEDIATELY.
2. GENERAL CONTRACTOR SHALL PROVIDE DISCONNECTION OF ALL EQUIPMENT, LINE, PIPES, AND RETAINING HARDWARE.
3. GENERAL CONTRACTOR SHALL NOT PERFORM ANY WORK BEFORE THE TANK HAS BEEN EMPTIED.
4. GENERAL CONTRACTOR SHALL COORDINATE ALL WORK WITH WALMART CONSTRUCTION MANAGER.



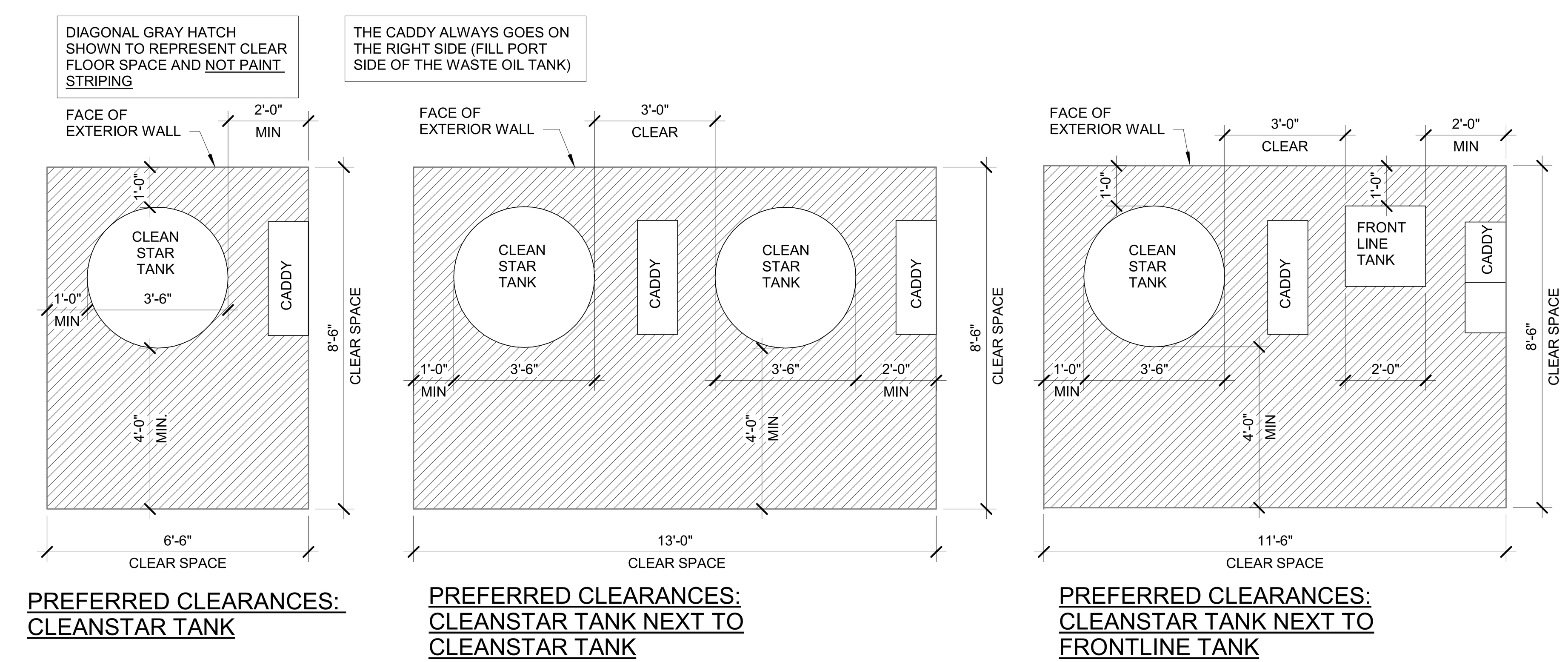
7 BLOCKING DETAILS
3/8" = 1'-0"



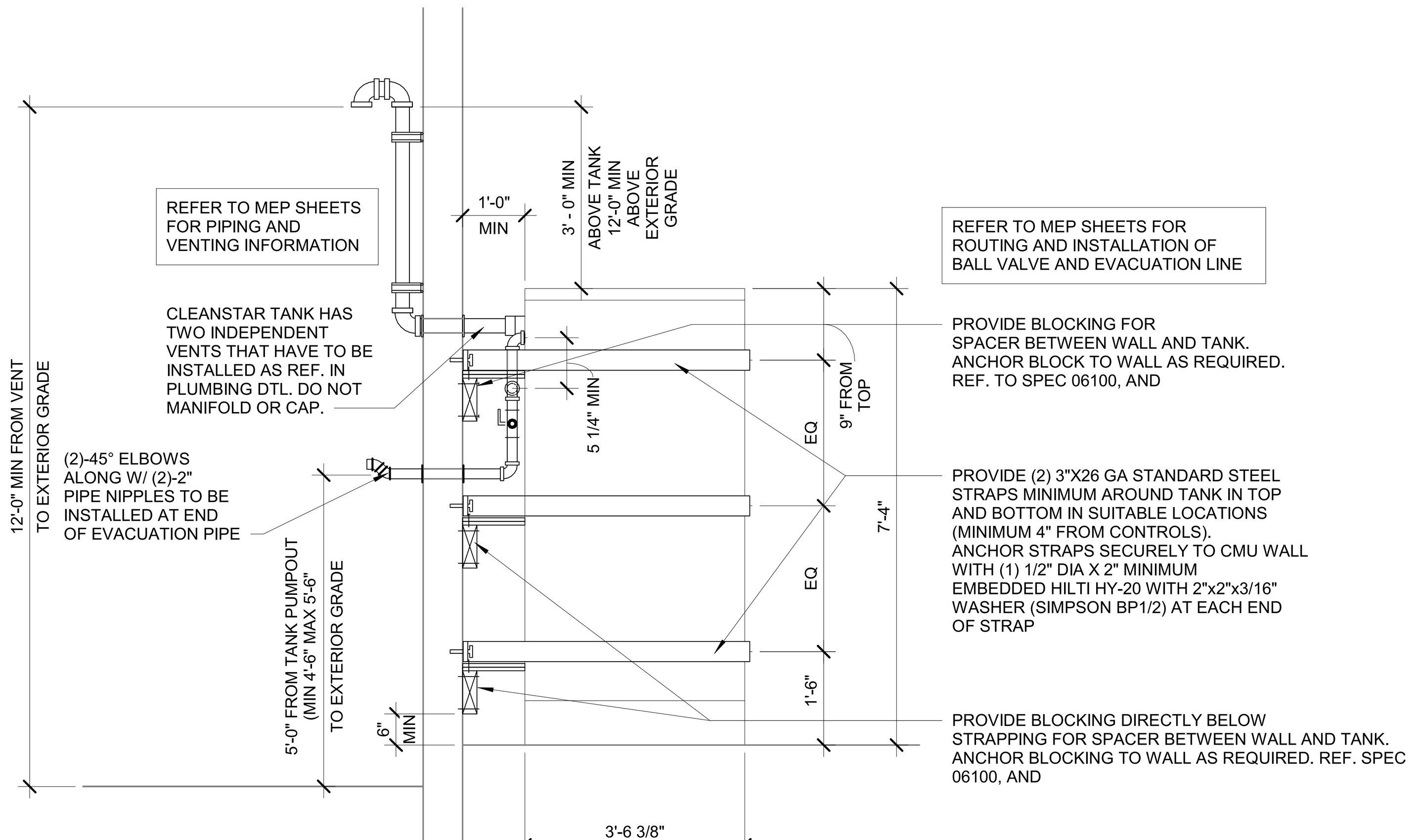
6 BOLLARD DETAILS
1/2" = 1'-0"



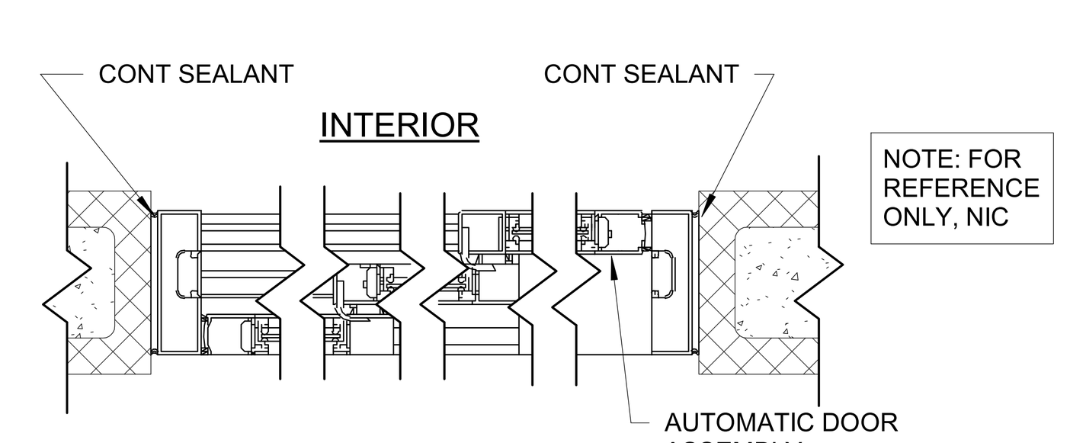
8 AIR CURTAIN AT SURFACE MOUNTED DOOR
1 1/2" = 1'-0"



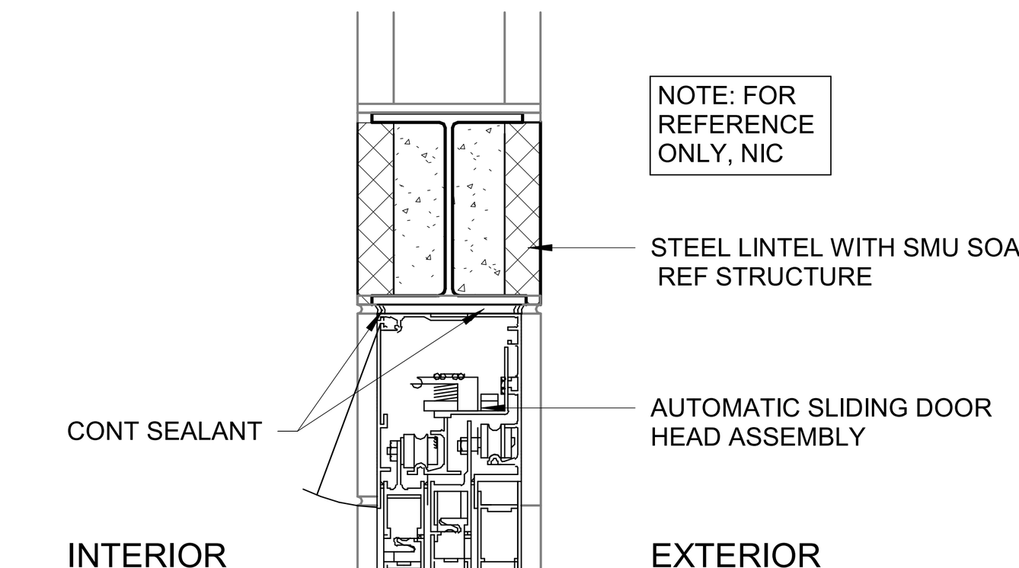
5 TANK DIAGRAMS
3/8" = 1'-0"



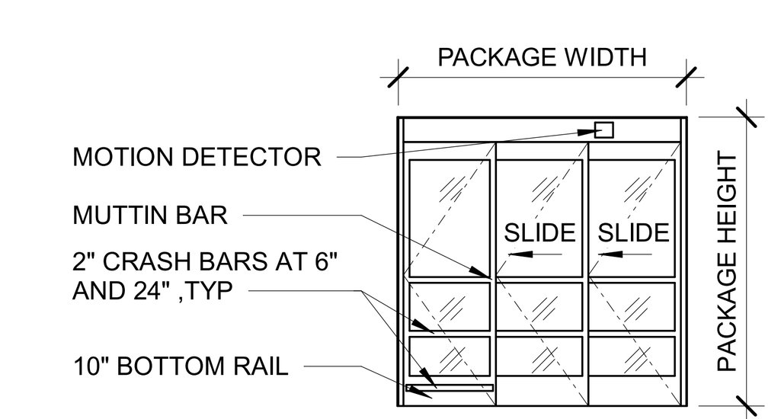
4 A3 -PREFERRED VENT PIPING
1/2" = 1'-0"



3 TELESCOPING DOOR JAMB
1 1/2" = 1'-0"



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



C4
EXTERIOR TELESCOPING SLIDING DOOR

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

pb2 architecture +engineering
2809 Ajax Avenue Suite 100
Rogers Arkansas 72758
Phone: 479.636.3545
Fax: 479.636.1209

Architect of Record
William Douglas Hurley
Washington License No. 8855
Unified Business ID No. 602 491 668

Walmart
WOODLAND, WASHINGTON
STORE NO.3742-279
JOB NUMBER: 2021.0863
SPECIAL PROJECT

ISSUE BLOCK

CHECKED BY:	SB
DRAWN BY:	AMR
PROTO CYCLE:	9/24/2021
DOCUMENT DATE:	10/15/2021

8855 REGISTERED ARCHITECT
WILLIAM DOUGLAS HURLEY
STATE OF WASHINGTON
10.19.2021

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

DETAILS

SHEET:
A3

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PRE-MANUFACTURED CANOPY NOTES

1.0 STRUCTURAL DESIGN LOADS
- 1.1 DESIGN DATA TABLE
  - ROOF DEAD LOAD — BY SUPPLIER
  - ROOF LIVE LOAD — 20 PSF (UNREDUCIBLE)
  - GROUND SNOW LOAD — REF DESIGN LOADS ON SHEET S0
  - WIND LOAD — REF DESIGN LOADS ON SHEET S0
  - SEISMIC LOAD — REF DESIGN LOADS ON SHEET S0
- 1.2 LOAD COMBINATIONS WITH SNOW LOAD SHALL ALSO INCLUDE LOADS FROM HIGH-LOW ROOF DRIFTING FROM MAIN BUILDING ROOF, PER CODE.

2.0 CONSTRUCTION AND SAFETY
- 2.1 CANOPY ERECTOR SHALL PROVIDE TEMPORARY BRACING FOR THE ENTIRE CANOPY STRUCTURE UNTIL ALL STRUCTURE AND CONNECTIONS ARE INSTALLED AND FUNCTIONING AS THE DESIGNED UNIT.
- 2.2 THE BUILDING ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR.
- 2.3 THE CANOPY ERECTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE IN AND AROUND THE CANOPY INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY.

3.0 STRUCTURAL STEEL
- 3.1 ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO THE CURRENT EDITION OF THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" OR AISI "COLD FORMED STEEL DESIGN MANUAL."
- 3.2 FIELD CONNECTIONS SHALL BE BOLTED EXCEPT WHERE WELDED CONNECTIONS ARE INDICATED ON THE MANUFACTURER'S DRAWINGS.
- 3.3 ANCHOR BOLTS SHALL BE SET IN STRICT COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
- 3.4 WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS D1.1 & D1.3).
- 3.5 MATERIALS (MINIMUM REQUIREMENTS):
  - A. W, WT STEEL SHAPES: ASTM A992, 50 KSI
  - B. HOLLOW STRUCTURAL SHAPES: ASTM A500, GRADE B
  - C. OTHER STEEL SHAPES, BARS, AND PLATES: ASTM A36, 36 KSI
  - D. METAL ROOF DECK: ASTM A653 OR A1008
  - E. BOLTS: ASTM A307 OR A325
  - F. ANCHOR RODS: ASTM F1554, 36 KSI

4.0 CANOPY FRAMING
- 4.1 MANUFACTURER SHALL DESIGN ALL CANOPY FRAMING AND SUBSEQUENT CONNECTIONS TO MEET THE DESIGN LOAD CRITERIA SHOWN.
- 4.2 PROFILES ARE SHOWN FOR GRAPHICAL PURPOSES ONLY AND NOT INTENDED TO SUGGEST CONFIGURATION OF PRIMARY MEMBERS.
- 4.3 STRUCTURAL DESIGN OF THE CANOPY SHALL BE PERFORMED BY AN ENGINEER LICENSED IN THE PROJECT STATE.
- 4.4 MANUFACTURER SHALL PROVIDE ALL FOUNDATION REACTIONS TO THE BUILDING ENGINEER FOR REVIEW AND VERIFICATION OF FOUNDATION DESIGN (FOUNDATION DESIGN BY BUILDING ENGINEER).
- 4.5 MANUFACTURER SHALL DESIGN AND SUPPLY ALL CONNECTIONS TO BUILDING WALL. MANUFACTURER SHALL PROVIDE ALL CONNECTION REACTIONS TO THE BUILDING ENGINEER FOR REVIEW AND VERIFICATION OF WALL DESIGN.

DESIGN LOADS

1.	BUILDING CODE	2018 IBC WITH WASHINGTON AMENDMENTS
2.	GRAVITY LOADS	
A.	ROOF LIVE LOADS	20 PSF (MIN OR SNOW LOAD)
B.	GROUND SNOW LOAD (Pg)	30 PSF
3.	LATERAL LOADS	
A.	WIND LOADS	
	1. BASIC WIND SPEED (3-SECOND GUST)	
	- BASIC DESIGN WIND SPEED (SERVICE)	107 MPH
	- ASD WIND SPEED	83 MPH
	2. WIND EXPOSURE CATEGORY	C
	3. RISK CATEGORY	II
B.	SEISMIC LOADS (SERVICE)	
	1. 5% DAMPED MAPPED ACCELERATION PARAMETER (Ss)	81.9%
	2. 1-SEC PERIOD MAPPED ACCELERATION PARAMETER (S1)	39.1%
	3. 5% DAMPED SPECTRAL RESPONSE COEFF (Sds)	0.695g
	4. 1-SEC PERIOD SPECTRAL RESPONSE COEFF (Sd1)	0.635g
	5. SITE CLASS	E
	6. RISK CATEGORY	II
	7. IMPORTANCE FACTOR (Ie)	1.0
	8. SEISMIC DESIGN CATEGORY	D

STATEMENT OF SPECIAL INSPECTIONS

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

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

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

GENERAL NOTES

GENERAL
1. FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHOWN OR IMPLIED BY THESE DRAWINGS. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.
2. EXISTING CONDITIONS SHOWN MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. BIDDERS SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BID. WITHIN ONE WEEK FROM THE START OF CONSTRUCTION DATE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING MATERIAL, MEASUREMENTS, AND ELEVATIONS AND SHALL NOTIFY THE ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE OWNER'S CONSTRUCTION MANAGER OF ANY DISCREPANCIES OR FORESEEN PROBLEMS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD MEASUREMENTS, EXISTING CONDITIONS, AND KNOWN COMPLICATIONS WITH THE MATERIAL SUPPLIERS.
3. GENERAL CONTRACTOR SHALL CAREFULLY COORDINATE DEMOLITION AND NEW CONSTRUCTION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.
4. GENERAL CONTRACTOR SHALL PROTECT EXISTING STRUCTURES, UTILITIES, PROPERTY, ETC DURING CONSTRUCTION. RESTORE ALL ITEMS DAMAGED, AS REQUIRED BY OWNER'S REPRESENTATIVE, TO THE OWNER'S SATISFACTION AT NO COST TO OWNER OR WITHOUT EXTENSION OF CONTRACT TIME.
5. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
6. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SUPPORT AND MAINTAINING STABILITY OF EXISTING STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
7. BEFORE OR CONCURRENT WITH ANY EXCAVATIONS ADJACENT TO THE EXISTING BUILDING FOUNDATION OR SLAB, GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SUPPORT FOR THE BASE AND SUBGRADE OF THE EXISTING SLAB AND FOUNDATIONS TO PREVENT UNDERMINING.
8. GENERAL CONTRACTOR SHALL PROVIDE FIRE PROTECTION FOR THE EXISTING STRUCTURE AND BUILDING CONTENTS DURING WELDING OR ANY OTHER CONSTRUCTION ACTIVITY THAT GENERATES SPARKS OR INTENSE HEAT.
9. GENERAL CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF EQUIPMENT PADS AND PENETRATIONS THROUGH THE STRUCTURE FOR MECHANICAL, ELECTRICAL AND PLUMBING WORK.

FOUNDATIONS
1. FOOTING DESIGNS ARE BASED ON A NET ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL BEARING PRESSURE PRIOR TO PLACING THE FOOTING.
2. EXTERIOR FOOTINGS SHALL BEAR AT OR BELOW MINIMUM BEARING DEPTH. MINIMUM BEARING DEPTH IS 24 INCHES BELOW ADJACENT FINISHED GRADE. THICKENED SLAB EDGES FOR STOOPS, CANOPIES, ETC. SHALL BE 16 INCHES (UNO).
3. STANDARD PROCEDURES OF FROST PROTECTION FOR FOUNDATIONS AND EXCAVATIONS SHALL BE EMPLOYED FOR WINTER CONSTRUCTION. BACKFILLING OF EXCAVATIONS SHALL BE DONE AS SOON AS POSSIBLE TO PROTECT FOUNDATIONS FROM FROST.

CONCRETE AND REINFORCING STEEL
1. MINIMUM COMPRESSIVE STRENGTH (f'c) AT THE END OF 28 DAYS SHALL BE AS FOLLOWS:

A. INTERIOR CAST-IN-PLACE CONCRETE SLABS	4000 PSI	SPECIFICATION SECTION 03314
B. EXTERIOR CAST-IN-PLACE CONCRETE SLABS	REF SPECS	SPECIFICATION SECTION 03310
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 F2.
3. REINFORCING STEEL SHALL MEET ASTM SPECIFICATION A 615, DEFORMED BAR, GRADE 60 OR ASTM SPECIFICATION A 706, DEFORMED BAR, GRADE 60. REF STEEL REINF LAP SCHEDULE FOR LAP LENGTHS, UNO ON DETAILS.
4. REFER TO ACI 315 FOR DETAILING PRACTICES AND FABRICATION, AND ACI 301 FOR STANDARD PRACTICE FOR MIXING AND PLACING CONCRETE AND CONCRETE COVER.
5. LEAN CONCRETE - MIN 2 1/2 SACKS PORTLAND CEMENT PER CUBIC YARD.

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

STRUCTURAL STEEL	YIELD	ASTM SPECIFICATION
A. PLATES, CHANNELS, ANGLES, & ANCHOR BOLTS:	36 KSI	A 36, UNO
B. ROUND BARS FOR JOIST REINFORCEMENT:	50 KSI	A 529
C. WIDE FLANGE STEEL SHAPES:	50 KSI	A 992
D. SQUARE AND RECTANGULAR HOLLOW STRUCTURAL SHAPES:	50 KSI	A 500 GRADE C
E. ROUND HOLLOW STRUCTURAL SHAPES:	46 KSI	A 500 GRADE C
F. HEADED STUD ANCHORS:	50 KSI	A 108 (GRADE DESIGNATIONS 1010 TO 1020, INCLUSIVE)

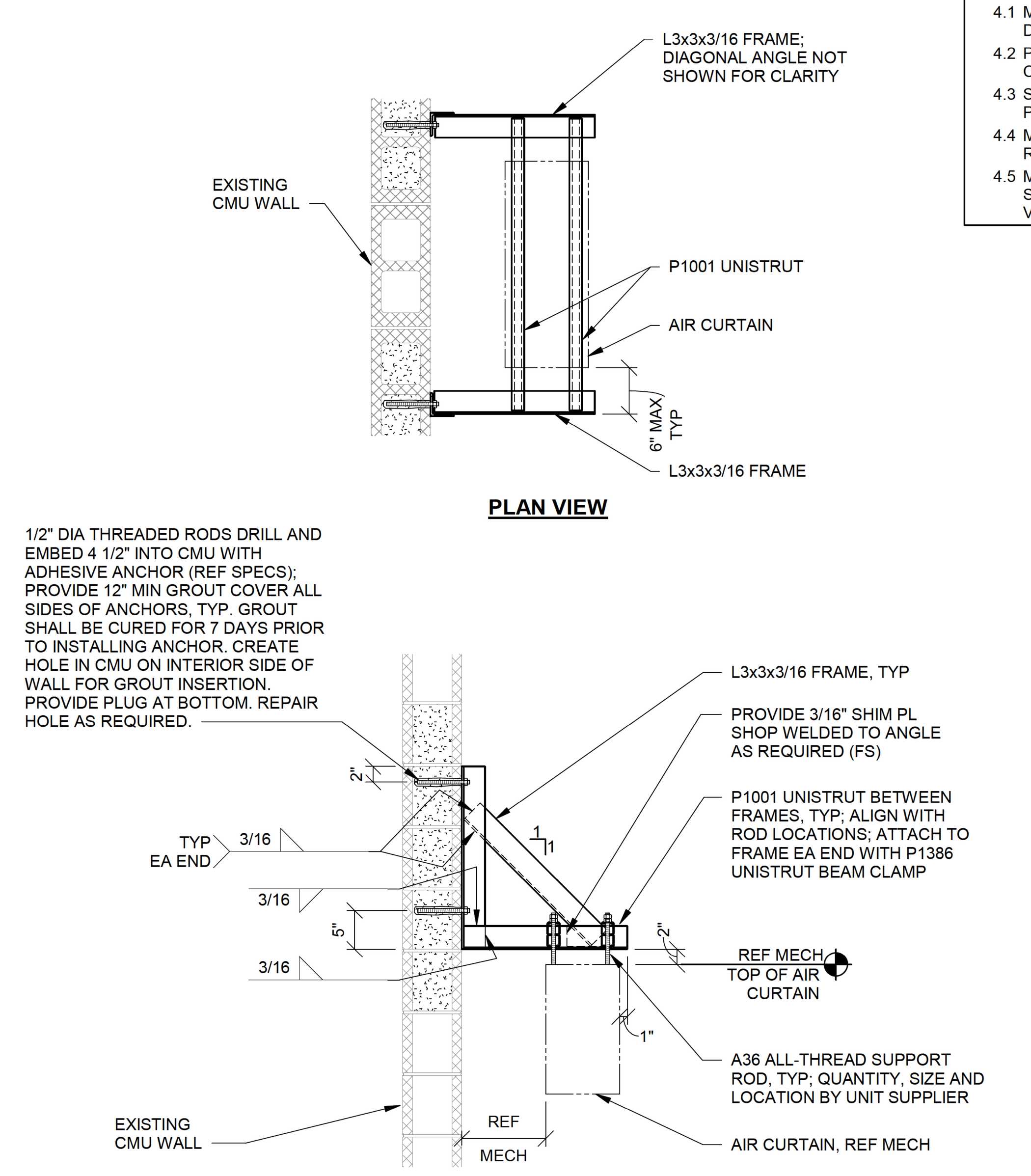
2. ALL STRUCTURAL STEEL SHALL HAVE ONE SHOP COAT OF RUST INHIBITOR PRIMER PAINT CONFORMING TO THE SPECIFICATIONS. REF SPECS FOR PROTECTIVE FINISH FOR EXTERIOR STEEL. FIELD TOUCH UP ALL UNPAINTED, NICKED AND WELDED AREAS. PAINT ALL STEEL EXPOSED TO VIEW TO MATCH EXISTING.
3. WELDING SHALL MEET ANSI/AWS D1.1 STRUCTURAL WELDING CODE. ELECTRODES SHALL BE 70 KSI LOW HYDROGEN.
4. PROVIDE 1 1/2 INCH NON-SHRINK GROUT UNDER BASE PLATE AFTER ERECTION. NON-SHRINK GROUT, WHERE INDICATED ON PLANS, SHALL BE NON-METALLIC WITH A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS.
5. BOLTS FOR STEEL BEAM AND COLUMN CONNECTIONS SHALL BE 3/4" DIAMETER ASTM A 325-N HIGH-STRENGTH BOLTS, UNO. ALL BOLTED CONNECTIONS ARE BEARING TYPE. ALL BOLTS SHALL BE TIGHTENED SNUG TIGHT, UNO.

MASONRY
1. CONCRETE MASONRY UNITS SHALL MEET ASTM SPECIFICATION C 90. THE SPECIFIED DESIGN COMPRESSIVE STRENGTH OF CONCRETE MASONRY (f'm) SHALL BE 2000 PSI. THE NET AREA COMPRESSIVE STRENGTH OF THE CONCRETE MASONRY UNITS SHALL BE 2000 PSI.
2. MORTAR SHALL BE A PREBLENDED DRY MIX CONFORMING TO ASTM C 1714 AND MEETING THE PROPERY SPECIFICATIONS OF ASTM C 270 TYPE "S" MORTAR. REF SPECIFICATION 04200 FOR ADDITIONAL REQUIREMENTS.
3. GROUT SHALL MEET ASTM SPECIFICATION C 476 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI. REF SPECIFICATION SECTION 04200 FOR ADDITIONAL REQUIREMENTS.
4. GROUT SHALL BE MECHANICALLY CONSOLIDATED USING A VIBRATOR WITH A MAXIMUM 3/4" DIAMETER HEAD. REF SPECIFICATION SECTION 04200.
5. WHERE NEW GROUT IS REQUIRED FOR CAST-IN-PLACE OR POST INSTALLED ANCHORS, PROVIDE 12" GROUT COVER ON ALL SIDES OF THE ANCHORS. CREATE A HOLE IN CMU ON INTERIOR SIDE OF WALL FOR GROUT INSERTION. PROVIDE PLUG AT BOTTOM. REPAIR HOLE AS REQUIRED.
6. HORIZONTAL JOINT REINFORCEMENT SHALL BE LADDER TYPE SPACED AT 16" OC VERTICALLY FOR THE ENTIRE HEIGHT OF THE WALL.
7. CONCRETE MASONRY SHALL BE LAID IN RUNNING (COMMON) BOND.
8. CONCRETE MASONRY BELOW FINISHED FLOOR SHALL BE NORMAL WEIGHT UNITS AND SHALL HAVE ALL CELLS FULLY GROUTED. CONCRETE MASONRY ABOVE FINISHED FLOOR SHALL BE LIGHT WEIGHT OR NORMAL WEIGHT AND SHALL BE GROUTED ONLY AT REINFORCED CELLS AND BOND BEAMS, UNO.
9. INSTALL EMBEDDED STEEL ITEMS FOR OVERHEAD DOORS IN GROUTED CELLS. COORDINATE LOCATIONS OF EMBEDDED ITEMS WITH OVERHEAD DOOR MANUFACTURER.

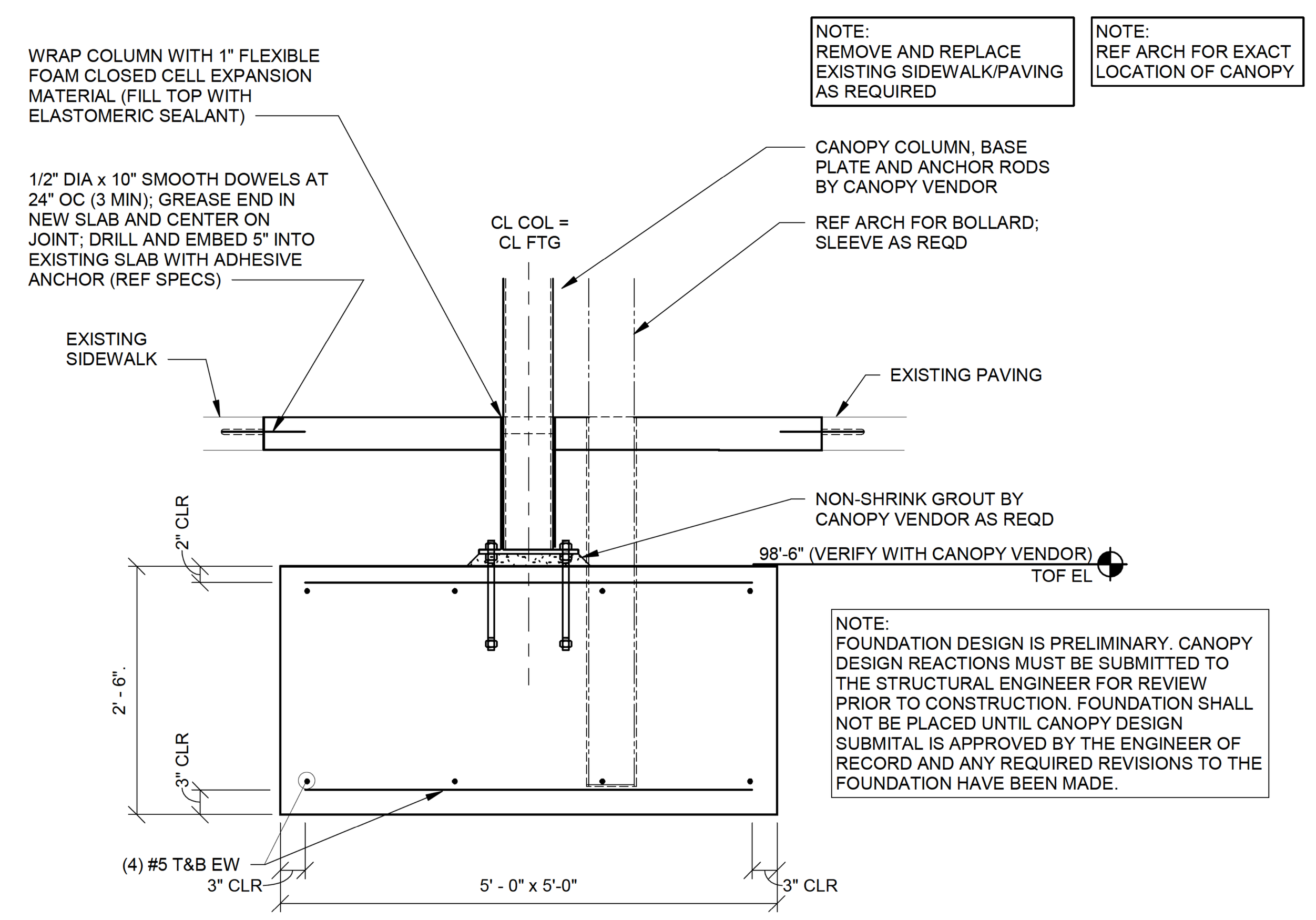
POST-INSTALLED ANCHORS
1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. REFER TO SPECIFICATION 05090 FOR ADDITIONAL INFORMATION.
2. WHERE THE DRAWINGS INDICATE GROUT TO BE ADDED TO MASONRY WALLS, 7 DAY CURED GROUT MUST BE PRESENT WHEN INSTALLING POST-INSTALLED ANCHORS.

STEEL REINF LAP SCHEDULE

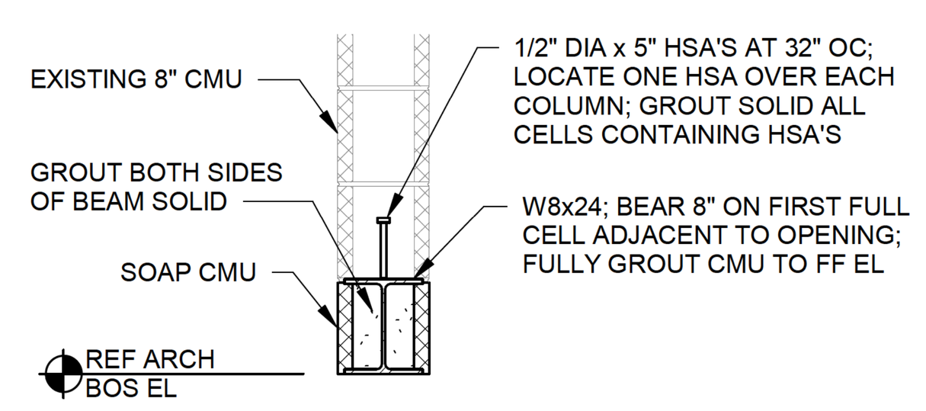
BAR SIZE	CONCRETE LAP SPLICE (CLASS B) (IN)										CMU
	f'c = 3,000psi		f'c = 3,500psi		f'c = 4,000psi		f'c = 4,500psi		f'c = 5,000psi		LAP SPLICE
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	(IN)
3	17	16	16	16	16	16	16	16	16	16	20
4	23	18	21	16	20	16	19	16	18	16	26
5	28	22	26	20	25	19	23	18	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

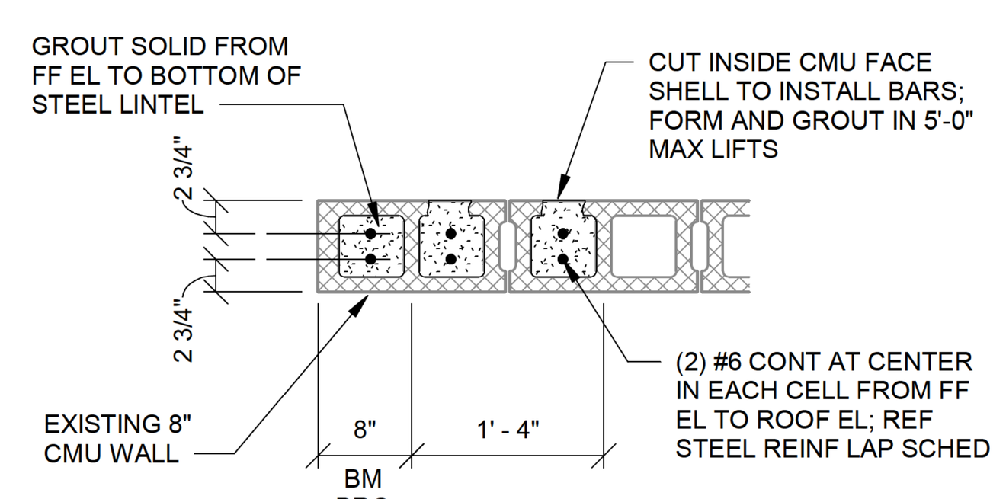


5 AIR CURTAIN SUPPORT
3/4" = 1'-0" 8.2-006

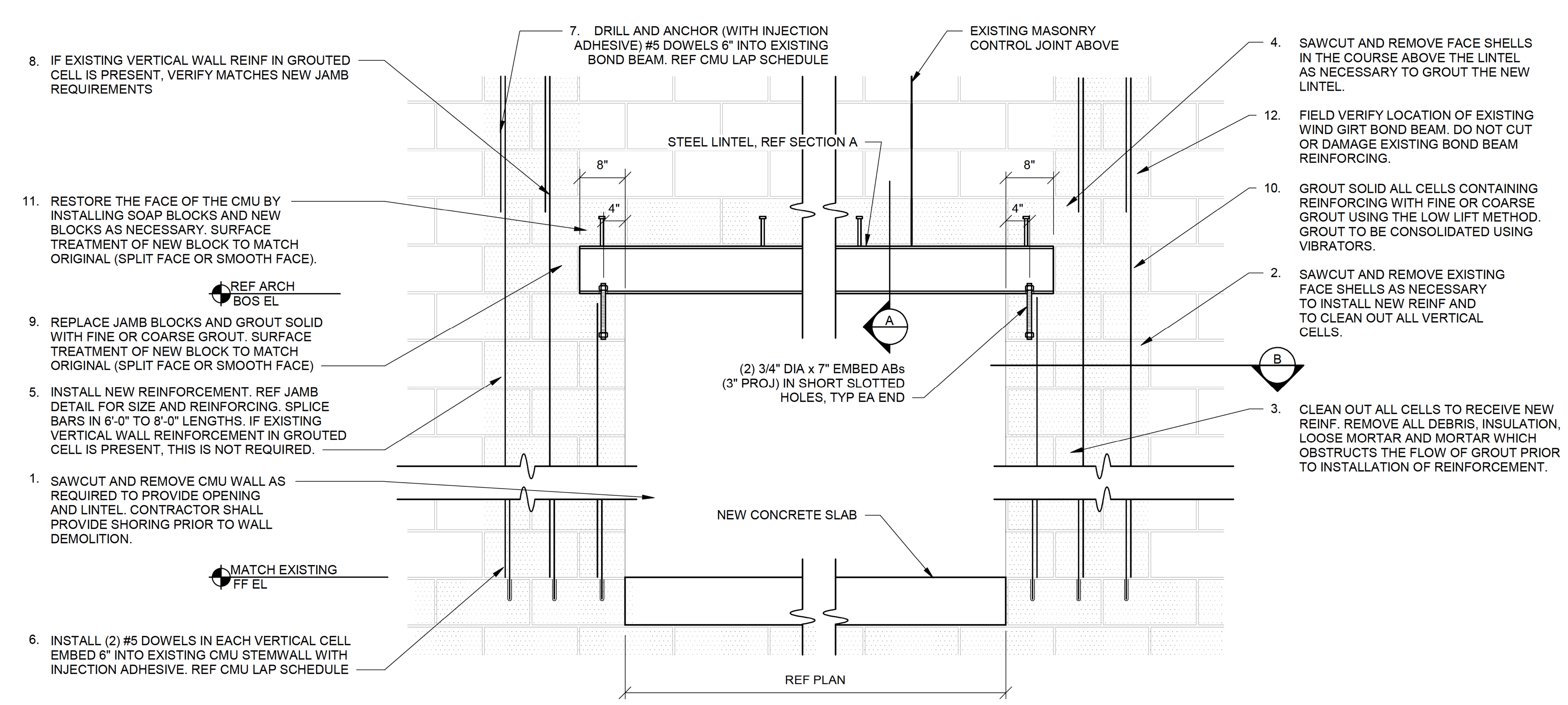


4 ASSOCIATE CANOPY COLUMN FOOTING
3/4" = 1'-0" 8.2-8

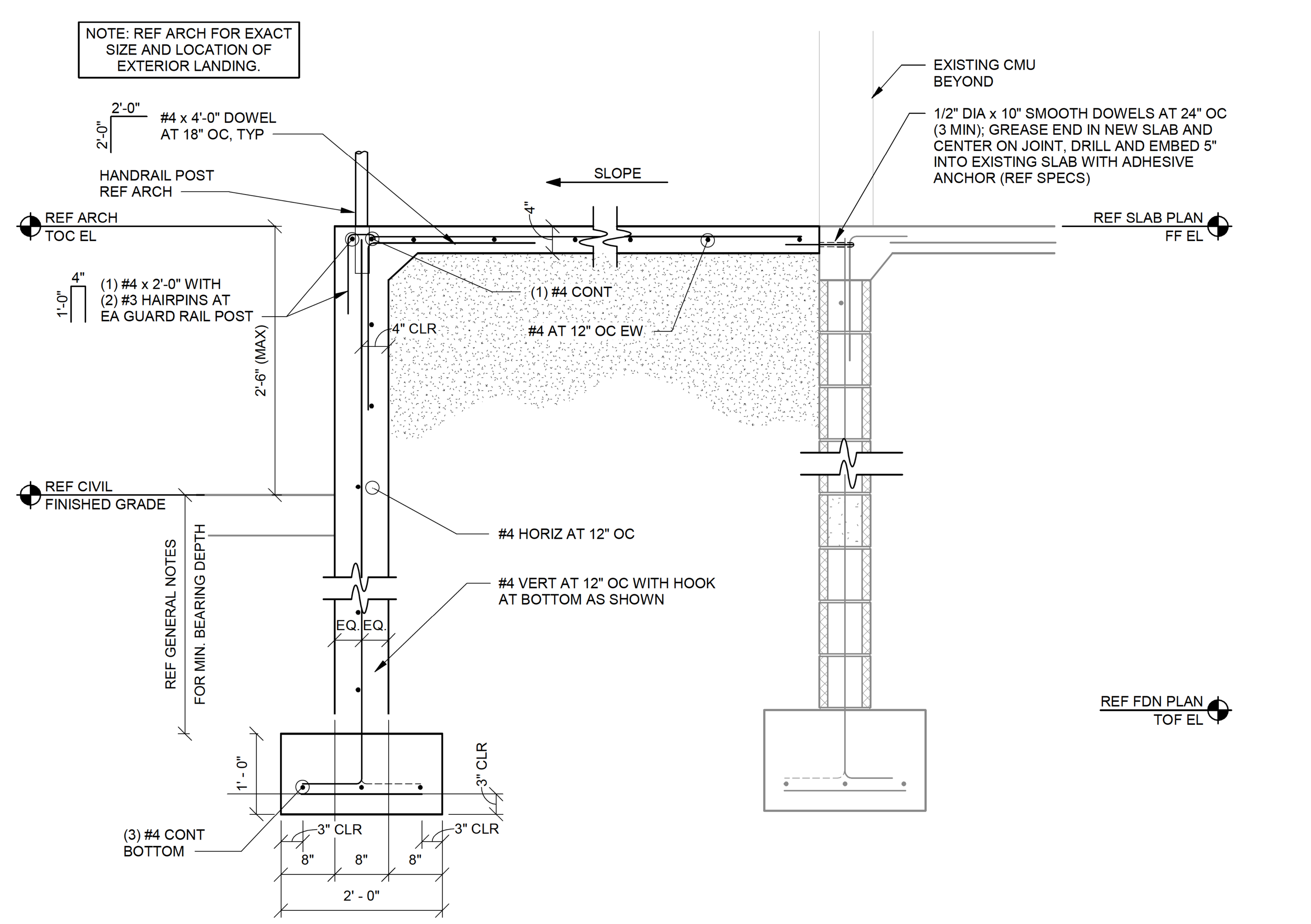




GENERAL NOTES
1. COMPLETE INTERIOR FACE ONLY SHALL BE REMOVED.
2. RE-POINT ALL AFFECTED MORTAR JOINTS.
3. EXISTING BOND BEAM REINF SHALL NOT BE CUT OR DAMAGED.
4. SHORE EXISTING STRUCTURE AS REQUIRED.
5. EXTEND GROUTED LINTEL AND REINF 2'-0" AND BEYOND FACE OF OPENING EACH SIDE.



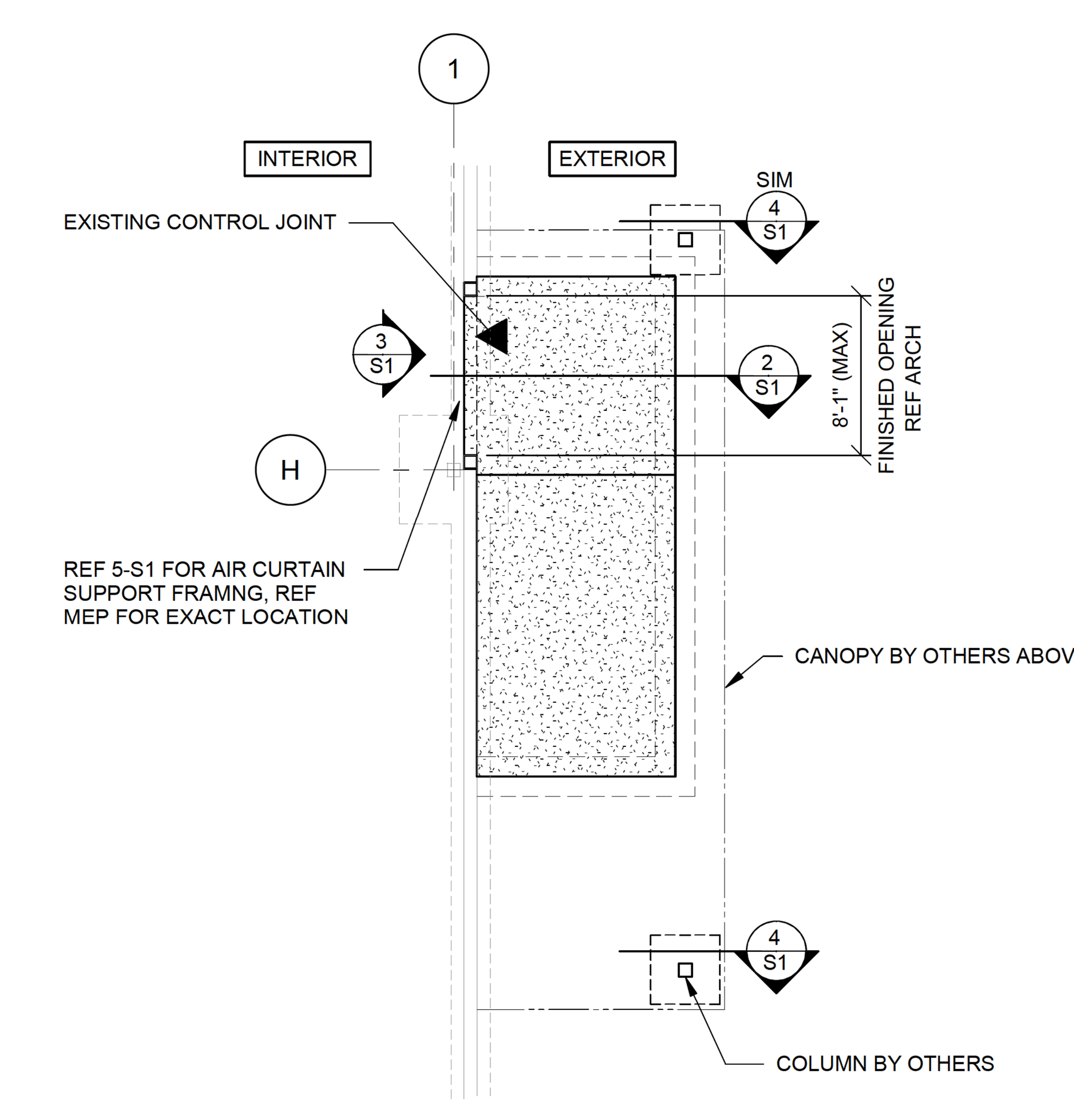
3 STEEL LINTEL AT CMU OPENING IN EXISTING WALL
3/4" = 1'-0" 4.0-5



2 EXTERIOR LANDING
3/4" = 1'-0"

NOTES:
1. SHORE EXISTING STRUCTURE AS REQUIRED PRIOR TO STARTING ANY NEW WORK.
2. RE-POINT ALL AFFECTED MORTAR JOINTS.
3. COMPLETE INTERIOR FACE ONLY SHALL BE REMOVED.
4. ALL WORK SHOWN IN THIS DETAIL SHALL BE DONE ON INSIDE FACE OF WALL, UNLESS APPROVED BY ARCHITECT OF RECORD.
5. IF A CMU CONTROL JOINT IS LOCATED WITHIN THE NEW OPENING OR 2'-0" EITHER SIDE OF NEW OPENING. NOTIFY ENGINEER OF RECORD PRIOR TO CUTTING OF WALL.

NOTE:
THE EXISTING BUILDING SHALL BE PROTECTED FROM MOISTURE, DUST, AND DEBRIS. INSTALL TEMPORARY DUST PARTITIONS AS REQUIRED TO PROHIBIT DUST FROM ENTERING THE SALES AREA DURING DEMOLITION.



1 FOUNDATION PLAN
1/8" = 1'-0"

STIPULATION FOR REUSE

CONSULTANTS

Walmart
WOODLAND, WASHINGTON
STORE NO: 3742-279
JOB NUMBER: 2021.0983 PROTO:
SPECIAL PROJECT

ISSUE BLOCK

CHECKED BY:	DW/SB
DRAWN BY:	RB
PROTO CYCLE:	09/24/2021
DOCUMENT DATE:	10/15/2021

2021.10.14 15:49:46-05'00'

PLAN GENERAL NOTES AND DETAILS

SHEET: S1

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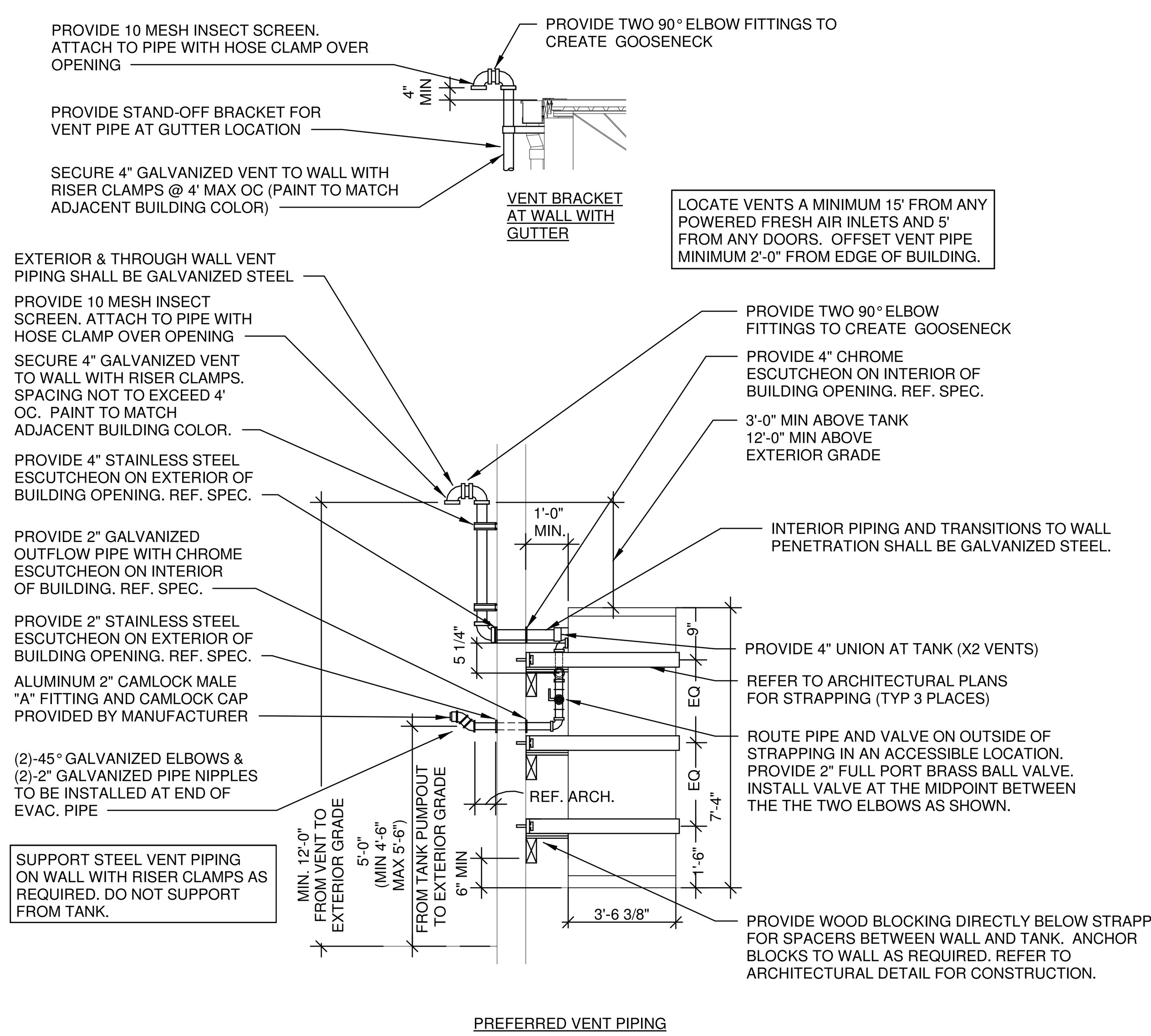
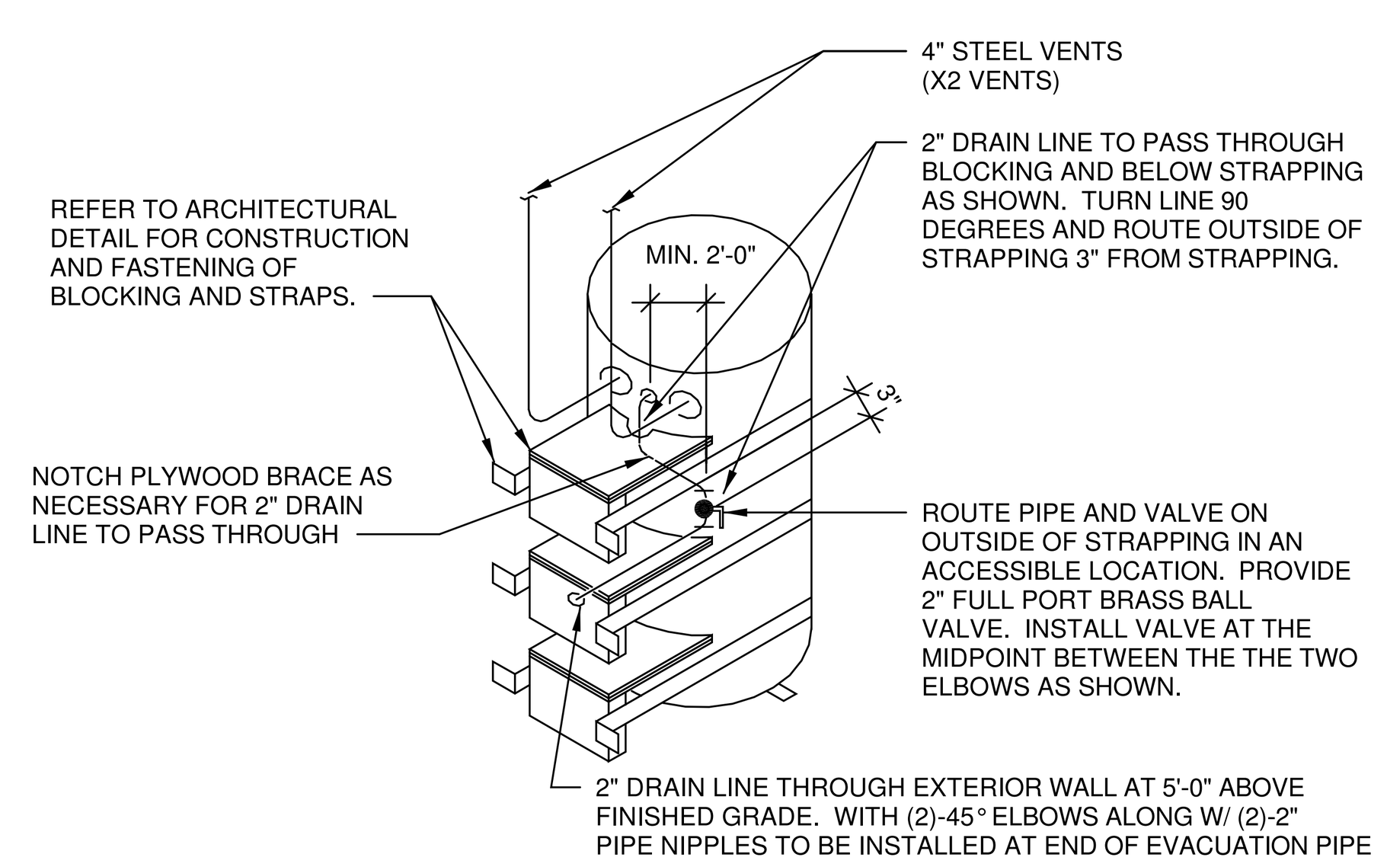
AIR CURTAIN SCHEDULE

MARK	AREA SERVED	MANUFACTURER	MODEL	WEIGHT (LBS)	FAN MOTORS HP	FAN MOTORS VOLTS	FAN MOTORS PH	ELECTRICAL DATA FLA	ELECTRICAL DATA MCA	ELECTRICAL DATA MOCP	NOTES
AC-1	OGP	BERNER POWERED AIRE	CHD10-1060A ETA 1-60	117	0.75	120	1	8.0	10.0	15	A,H,J,L,N

GENERAL INFORMATION (ALL DEVICES):
1. AIR CURTAINS FURNISHED AND INSTALLED BY CONTRACTOR.
2. INSTALL BOTTOM OF WALL MOUNTED AIR CURTAIN AT ELEVATION INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
3. PROVIDE A DEDICATED ELECTRICAL CIRCUIT FOR EACH AIR CURTAIN WHEN MULTIPLE AIR CURTAINS ARE INSTALLED AT A SINGLE OPENING.

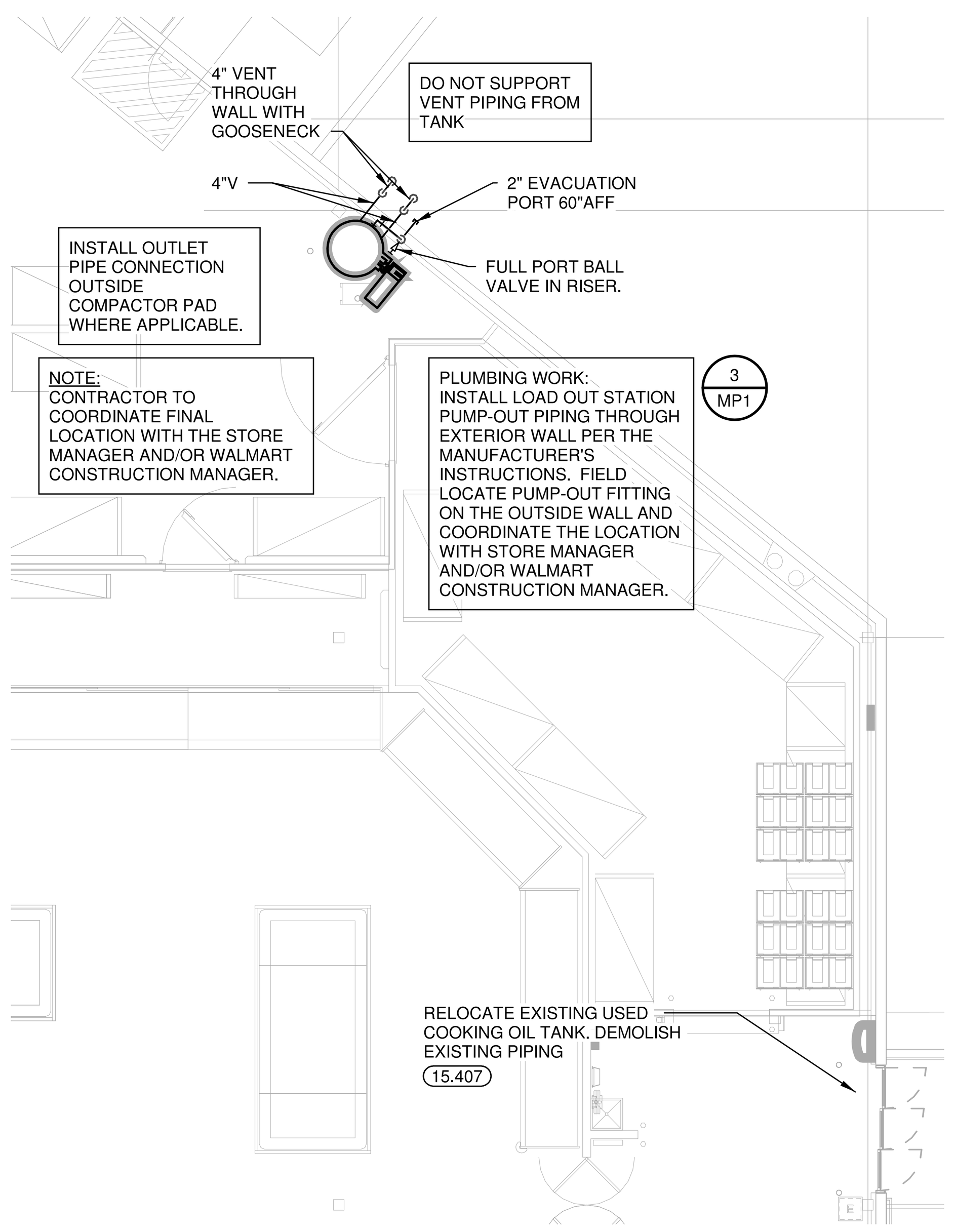
NOTES:
- A. FURNISH WITH FACTORY MOUNTED NON-FUSED TOGGLE DISCONNECT SWITCH LOCATED ON TOP OF AIR CURTAIN.
- B. FURNISH WITH MANUFACTURER'S 120V PHOTOELECTRIC SENSOR SWITCH, SENSOR REFLECTOR, AND REQUIRED ACCESSORIES TO ENERGIZE ALL AIR CURTAINS AT EACH DOOR ON HIGH SPEED WHEN DOOR OPENS AND DE-ENERGIZE AIR CURTAINS WHEN DOOR CLOSES.
- C. UNIT SHALL BE TOP MOUNTED. FOR CURTAIN INSTALLATIONS NOT DETAILED ON ARCHITECTURAL DRAWINGS, SUSPEND CURTAINS FROM UNISTRUT INSTALLED BELOW DOOR TRACK AND SPANNING ENTIRE DOOR OPENING AS REQUIRED. SUPPORT UNISTRUT FROM STRUCTURE.
- D. AS REQUIRED, ALL OPENINGS WITH TWO AIR CURTAINS TO BE FURNISHED WITH A FIELD MOUNTED AND WIRED RELAY TO ALLOW FOR ONE SWITCH TO ACTIVATE TWO AIR CURTAINS.
- E. BERNER UNIT SHALL BE FURNISHED WITH FACTORY INSTALLED SINGLE PHASE CONTROL PANEL, LEFT END.
- F. BERNER UNIT SHALL BE FURNISHED WITH TANDEM PERFORMANCE KITS.
- G. BERNER UNIT SHALL BE FURNISHED WITH FACTORY INSTALLED INTELLISWITCH DIGITAL CONTROLLER.
- H. FURNISH WITH A FIELD MOUNTED AND WIRED 24V MAGNETIC LIMIT DOOR SWITCH AND TIME DELAY TO ENERGIZE AIR CURTAIN WHEN DOOR OPENS AND CONTINUE OPERATION FOR 60 SECONDS AFTER DOOR CLOSES.
- I. UNIT SHALL BE TOP MOUNTED AND SUPPORTED FROM STRUCTURE. REFERENCE MECHANICAL AND STRUCTURAL DRAWINGS
- J. FURNISH WITH MANUFACTURER'S WALL MOUNTING PLATE FOR INSTALLATION ABOVE DOOR OPENING WITH BOTTOM OF UNIT FLUSH WITH TOP OF DOOR.
- K. INSTALL BOTTOM OF AIR CURTAIN NO HIGHER THAN 8'-0" AFF. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- L. AIR CURTAIN SHALL BE TESTED IN ACCORDANCE WITH ANSI/AMCA 220.
- M. UNITS SHALL BE BLACK IN COLOR.
- N. BERNER FURNISHED WITH FACTORY INSTALLED FAN SPEED CONTROL WITH TAMPER PROOF COVER.





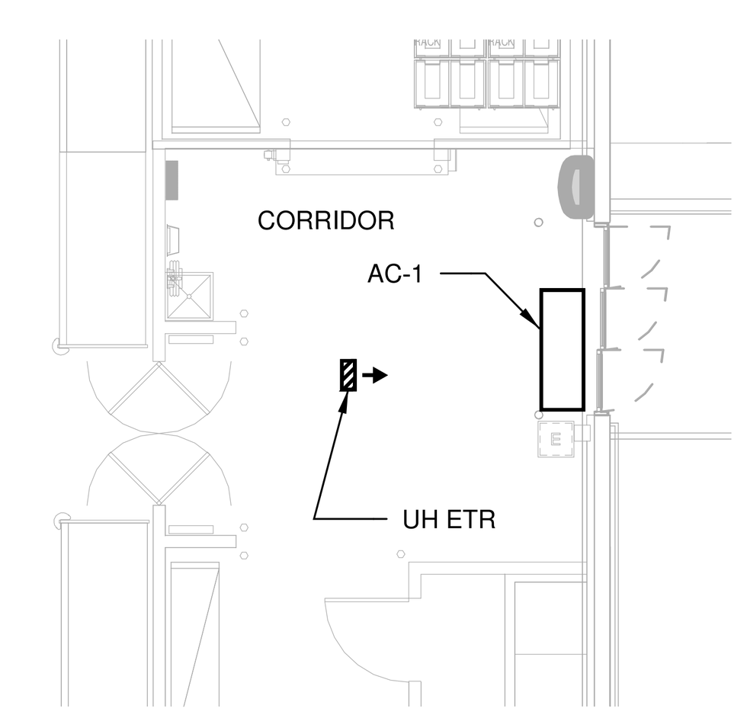
3 WASTE COOKING OIL TANK VENTING DETAIL

1/8" = 1'-0"



2 RECEIVING PLUMBING PLAN

1/8" = 1'-0"



1 OGP MECHANICAL PLAN

1/8" = 1'-0"

MECHANICAL SYMBOLS

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

KEYNOTES

15.407 REMOVE ALL EQUIPMENT, COMPONENTS, PIPING AND RETAINING HARDWARE SERVING DELI WASTE OIL TANK BEING RELOCATED, REMOVED OR REPLACED. REF. ARCHITECTURAL. DELI WASTE OIL TANK'S PIPING COMPONENTS AND INSTALLATION HARDWARE SHALL BE REUSED WHENEVER POSSIBLE.

GENERAL NOTES

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

SEISMIC NOTES

REFER TO SEISMIC RESTRAINT SHEET SR1 FOR INSTALLATION DETAILS. REFER TO THE SPECIFICATIONS FOR FURTHER INFORMATION.

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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CONSULTANTS

Walmart
WOODLAND, WASHINGTON
STORE NO: 3742-279
JOB NUMBER: 2021.0983 PROTO: SPECIAL PROJECT
SPECIAL PROJECT

ISSUE BLOCK

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PROTO CYCLE:	--
DOCUMENT DATE:	10-15-2021

JOSHUA DALE McCALL
STATE OF WASHINGTON
53144
PROFESSIONAL ENGINEER
Exp 11-24-2022
10/19/2021

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

MECHANICAL AND PLUMBING PLANS

SHEET: MP1

ELECTRICAL SYMBOLS LEGEND

03.30.18

(SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)

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

ABBREVIATIONS

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

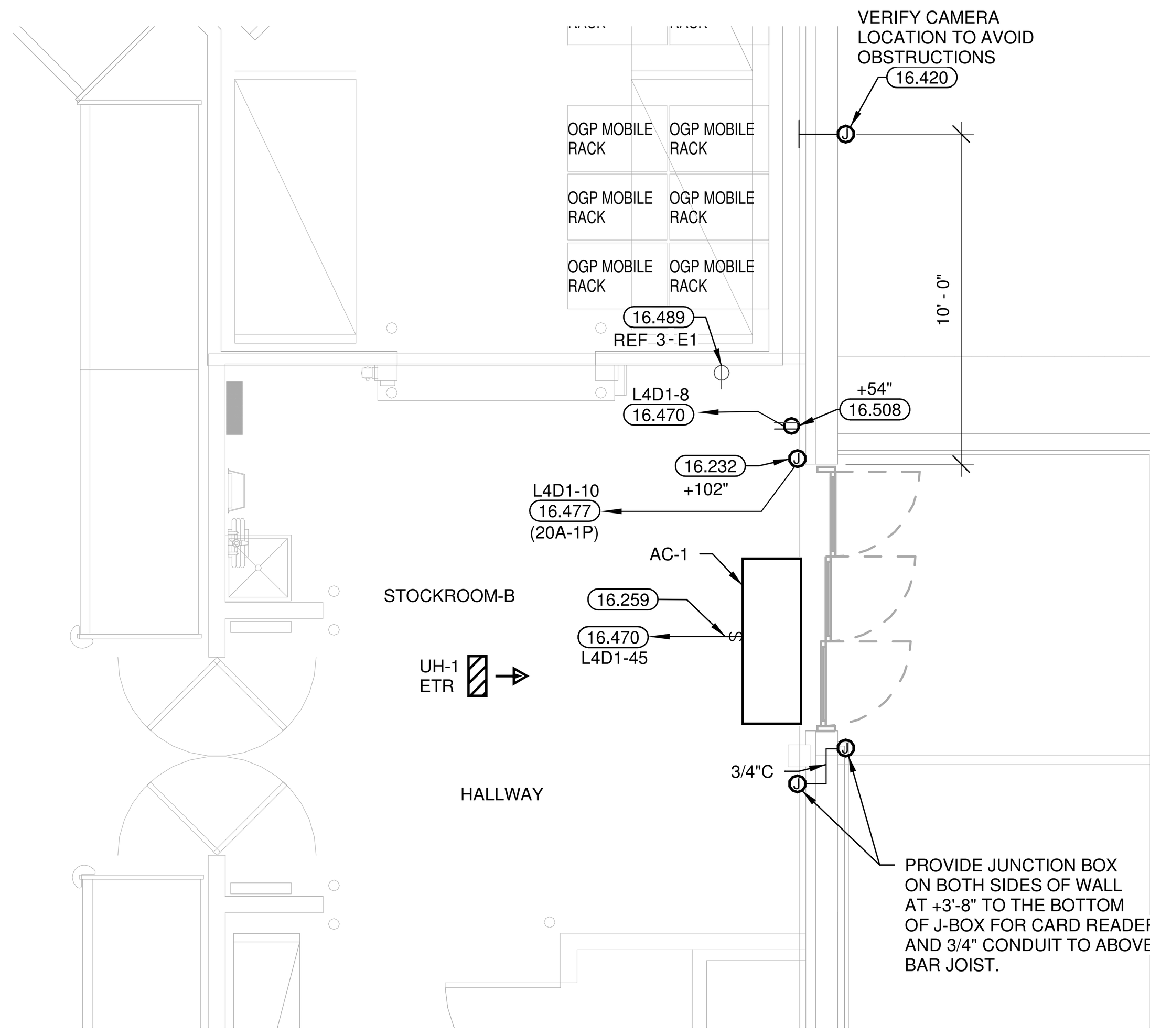
L4D1 PANELBOARD

(EXISTING)

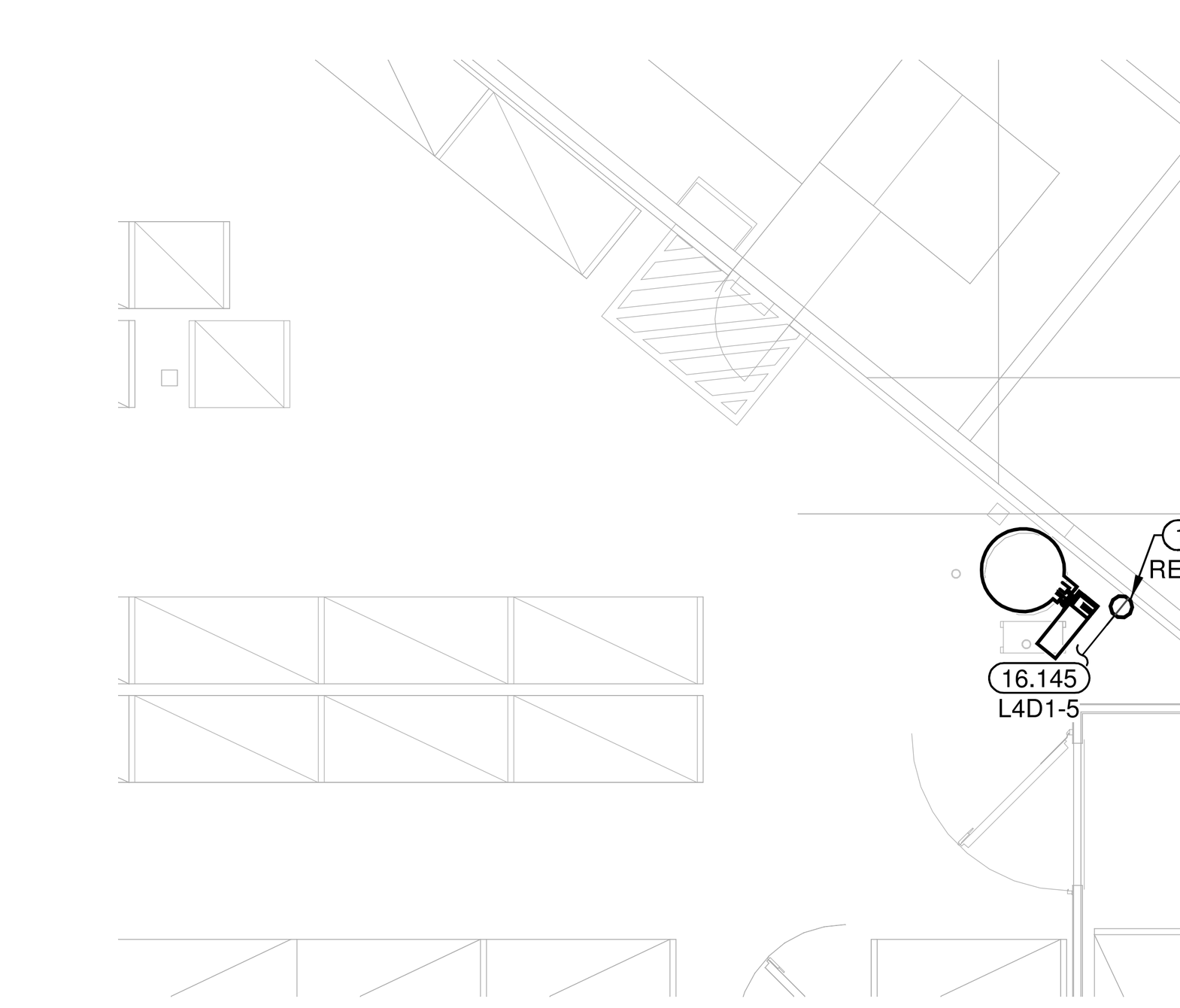
208Y/120 V, 3PH, 4W
225 A, M.L.O

SERVES: GROCERY
LOCATION: EDC4

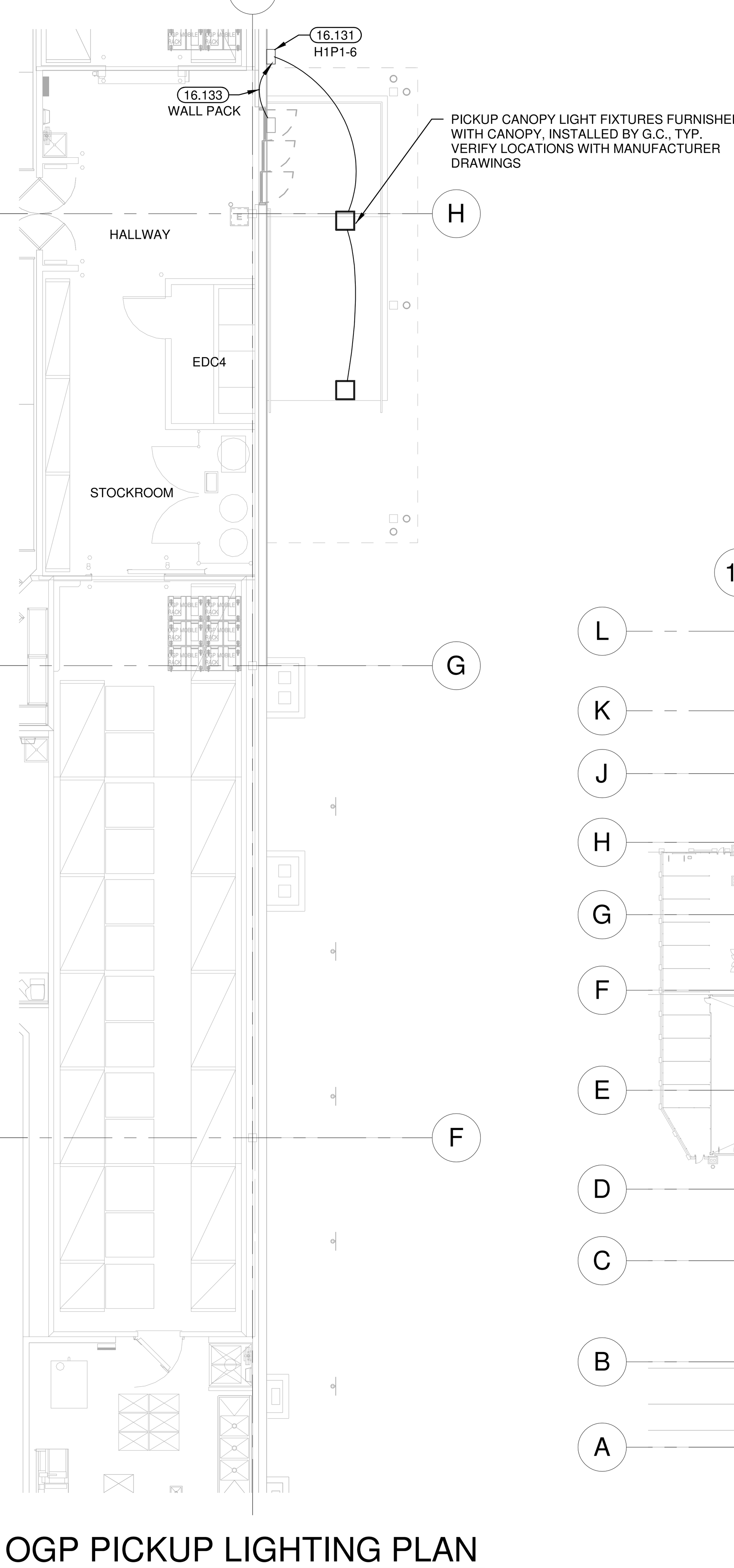
	DESCRIPTION	WIRE	BRKR	PL	A		B		C		PL	BRKR	WIRE	DESCRIPTION	
1	contactors c2/c3 cntrl (13)		20 A	1	0.02	0.10					1	20 A		seafood freezer ltg (13)	2
3	edc4 receptacle / i.c. (13)		20 A	1			0.36	0.23			1	20 A		seafood freezer htrs (13)	4
5	WASTE OIL TANK (13)		20 A	1					1.84	0.54	1	20 A		m004 scale / recepts (13)	6
7	rfid scanners (13)		20 A	1	0.05	0.18					1	20 A		INSECT CONTROL (13)	8
9	rfid scanners (13)		20 A	1			0.05	0.60			1	20 A		DOOR OPERATOR (2,13)	10
11	meat cooler htrs (13)		20 A	1					0.41	0.00	1	20 A	--	spare	12
13	rollseal door (13)		20 A	1	1.20	0.00					1	20 A	--	spare	14
15	leak detection (13)		20 A	1			0.50	0.00			1	20 A	--	spare	16
17	back b,d,e ahu2 (13)		20 A	1					1.22	0.00	1	20 A	--	spare	18
19	wh (groc)/recirc pumps (13)		20 A	1	0.72	0.00					1	20 A	--	spare	20
21	rtu's 1,15 & 18 (13)		20 A	1			1.22	0.00			1	20 A	--	spare	22
23	rcu-1 fans, lights, & a/s (13)		20 A	1					0.30	0.00	1	20 A	--	spare	24
25	ef (edc4) (13)		20 A	1	0.40	4.56					3	45 A		rcu (13)	26
27	spare	--	20 A	1			0.00	4.56							28
29	spare	--	20 A	1					0.00	4.56					30
31	b043e rack oven (13)		70 A	3	6.00	0.58					1	20 A		grocery/i.c. freezer ltg (13)	32
33							6.00	0.73			1	20 A		grocery freezer htrs (13)	34
35									6.00	0.72	1	20 A		b020 / b021 / b28 (13)	36
37	b043a oven control (13)		15 A	1	1.13	0.00					2	40 A	--	b049 donut machine (13)	38
39	b035a oven controls (13)		20 A	1			1.92	0.00							40
41	printer (13)		20 A	1					0.80	0.00	2	15 A	--	b033 icing table (13)	42
43	manager station (13)		20 A	1	0.72	0.00									44
45	AIR CURTAIN (2)		15 A	1			1.20	0.36			1	20 A		b024 scale / b025 (13)	46
47	space	--	--	--					0.00	0.00	1	20 A	--	b007 bread slicer (13)	48
49	space	--	--	--	0.00	0.00					1	20 A	--	b007a bread slicer (13)	50
51	space	--	--	--			0.00	0.18			1	20 A		b018 floor receptacle (13)	52
53	space	--	--	--					0.00	0.53	1	20 A		tf (bakery aroma) (13)	54
55	space	--	--	--	0.00	0.00					1	20 A	--	spare	56
57	space	--	--	--			0.00	0.00			1	20 A	--	spare	58
59	space	--	--	--					0.00	0.78	1	40 A		produce specialty ltg (13)	60
			TOTAL CONNECTED		15.66		17.91		17.70		KVA				
			TOTAL CONNECTED		130.50		151.87		150.12		AMPS				
			TOTAL LOAD		51.27		KVA		142.31		AMPS				
	PER NEC ARTICLE 220		FEEDER LOAD		51.64		KVA		143.32		AMPS				



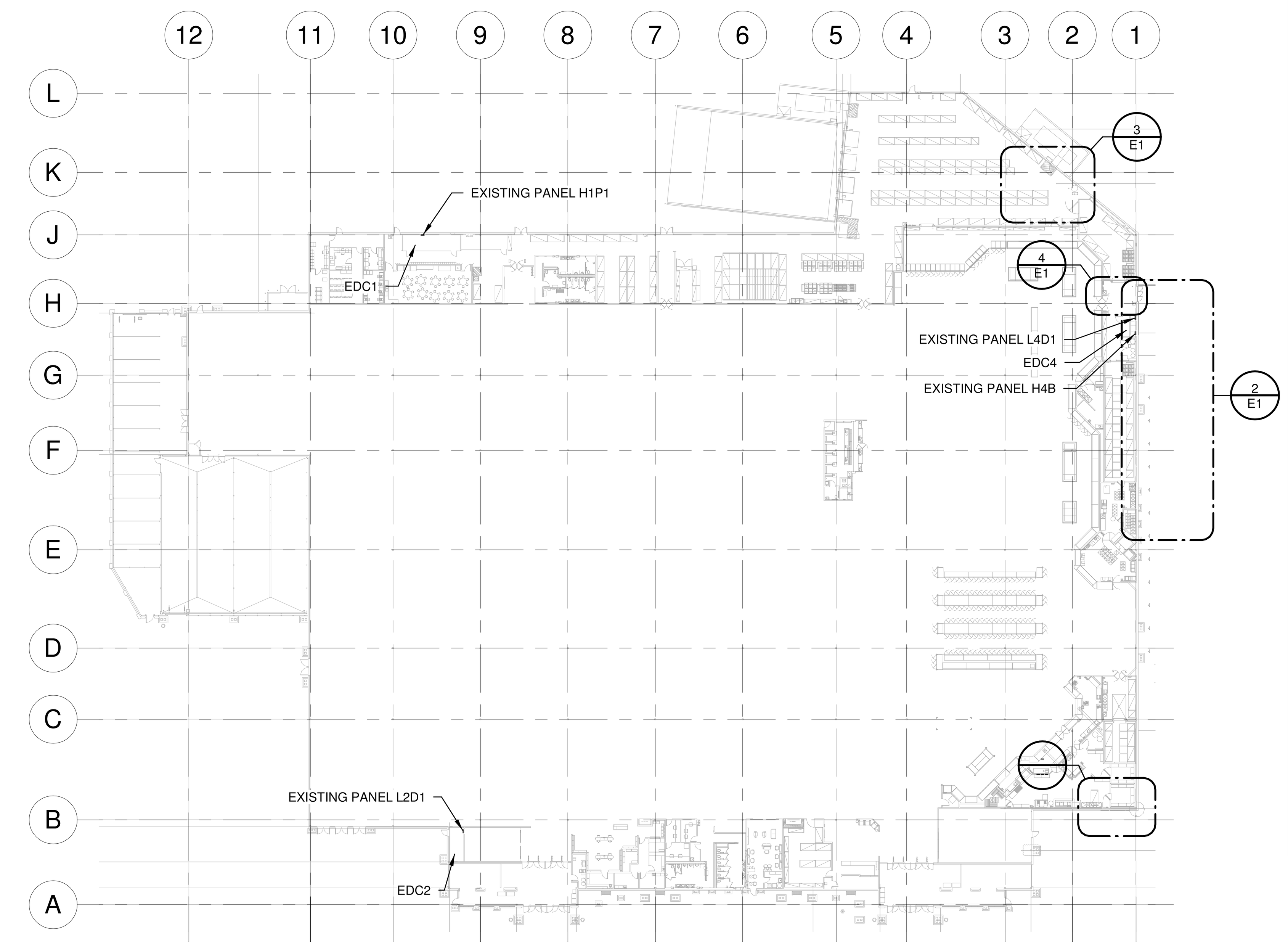
4 OGP STOCKROOM POWER PLAN
1/4" = 1'-0"



3 RECEIVING ELECTRICAL PLAN
1/8" = 1'-0"



2 OGP PICKUP LIGHTING PLAN
1/8" = 1'-0"



1 OVERALL ELECTRICAL PLAN
1" = 50'-0"

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.

GENERAL POWER NOTES

07.26.19

1. TELEPOWER POLE(S): MOUNT JUNCTION BOX(ES) TO TOP SIDE OF BOTTOM CHORD OF BAR JOIST. INSTALL FURNISHED POWER POLE AND TERMINATE WIRING TO JUNCTION BOX. PROVIDE UNISTRUT SUPPORTS AND HARDWARE TO SECURE TELEPOWER POLE PLUMB TO BUILDING STRUCTURE. REF POWER POLE CONNECTION DETAIL.
2. PROVIDE LIQUID-TIGHT FLEXIBLE METAL CONDUIT AND WIRING FROM DISCONNECT SWITCH OR JUNCTION BOX TO EQUIPMENT KNOCKOUT OR ELECTRICAL CONNECTION POINT.
3. WHERE EQUIPMENT NAMEPLATE PROTECTIVE DEVICE RATING DIFFERS FROM SIZE PROVIDED, NOTIFY WALMART CONSTRUCTION MANAGER IMMEDIATELY TO COORDINATE RESOLUTION.
4. ELECTRONIC FIRE PROTECTION/SECURITY ALARM BOXES AND CONDUITS SHOWN ON POWER PLANS SHALL BE PROVIDED UNDER THIS CONTRACT. IN ADDITION, UNLESS NOTED OTHERWISE, THE FOLLOWING GENERAL NOTES APPLY:
   A. ALL ALARM JUNCTION BOXES SHALL BE 4"X4"X2-1/8" MINIMUM.
   B. ALARM RACEWAYS SHALL BE 3/4" MINIMUM WITH PULL WIRE AND INSULATING BUSHINGS AT END OF VERTICAL RACEWAY RUN.
   C. VERTICAL RACEWAYS FROM ALARM BOXES SHALL BE EITHER CONCEALED INSIDE WALL OR SURFACE MOUNTED (TO MATCH JUNCTION BOX MOUNTING). ALL VERTICAL RUNS SHALL BE TURNED 90-DEGREES AT TOP SIDE OF BOTTOM CHORD OF BAR JOIST AND EXTENDED HORIZONTALLY TO A LOCATION ACCESSIBLE BY VERTICAL FLOOR TYPE LIFT.
5. UPON COMPLETION OF ELECTRICAL INSTALLATION AND PRIOR TO ENERGIZING CIRCUIT:
   A. INSPECT WIRE AND CABLE FOR PHYSICAL DAMAGE.
   B. PERFORM CONTINUITY TEST.
   C. VERIFY PROPER PHASING CONNECTION TO ALL THREE PHASE MOTOR LOADS.

KEYNOTES

16.131 CONNECT TO EXISTING CIRCUIT.

16.133 EXISTING LIGHT FIXTURES TO BE RELOCATED TO NEW LOCATION AS SHOWN.

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

16.232 AUTOMATIC DOOR OPERATOR: VERIFY LOCATION WITH MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION. ALL DOOR CONTROLS INCLUDING LOW VOLTAGE ROUGH-IN CONDUIT, BACKBOXES AND WIRING BY OTHERS.

16.259 CONNECT CIRCUITRY TO FACTORY PROVIDED DISCONNECT SWITCH. E.C. SHALL INSTALL PROVIDED DOOR SWITCH PER MANUFACTURER'S RECOMMENDATIONS.

16.420 PROVIDE WP JUNCTION BOX WITH COVERPLATE AT 12'-0" AFG FOR MOUNTING OF EXTERIOR CAMERA. PROVIDE 3/4" CONDUIT THROUGH EXTERIOR WALL TO ABOVE BAR JOIST AND TERMINATE WITH BUSHING.

16.470 FURNISH AND INSTALL NEW 20 AMP, 120 VOLT CIRCUIT(S). FEED FROM PANELBOARD AS INDICATED. PROVIDE 20A-1P CIRCUIT BREAKER IF NEEDED. E.C. SHALL MATCH MANUFACTURER, TYPE AND AIC RATINGS OF EXISTING CIRCUIT BREAKERS.

16.477 FURNISH AND INSTALL NEW CIRCUIT BREAKER (##A-#P) IN EXISTING PANELBOARD INDICATED. PROVIDE CIRCUIT BREAKER LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE). E.C. SHALL MATCH MANUFACTURER, TYPE AND AIC RATINGS OF EXISTING CIRCUIT BREAKERS.

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

16.508 INSECT CONTROL: PROVIDE BROWN DEVICE AND MATCHING COVERPLATE.

PANELBOARD NOTES ()

07.30.21

1. TERMINATE GROUND ON ISOLATED GROUND BUS.
2. INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE). LOCKING DEVICE SHALL BE UL LISTED. MANUFACTURER SHALL MATCH EXISTING PANELBOARD MANUFACTURER.
3. INSTALL LOCKING DEVICE (LOCK-ON FOR CRITICAL LOAD).
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.
7. 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. BREAKER REMOVAL - FIELD VERIFY CIRCUIT BREAKER IS NOT SERVING AN EXISTING LOAD. IF NO EXISTING LOAD, REMOVE CIRCUIT BREAKER AND PROVIDE FILLER PLATE. IF BREAKER IS SERVING A LOAD, IDENTIFY LOAD SERVED. UPDATE CIRCUIT IDENTIFICATION SCHEDULE AS "SPACE" OR INDICATE LOAD SERVED.
12. DUAL TAP SOLENOID OPERATED BREAKER. CONNECT EMERGENCY/NIGHT LIGHTING TO UNSWITCHED TERMINATION.
13. EXISTING CIRCUIT AND/OR CIRCUIT BREAKER.
14. ROUTE CIRCUIT THROUGH CONTACTOR.
15. PROVIDE INTERLOCK WIRING WITH EXHAUST HOOD ANSUL SYSTEM.
16. RELOCATED CIRCUIT FROM EXISTING PANELBOARD.
17. PROVIDE BLANK CIRCUIT BREAKER FILLER PLATE FOR EXPOSED SPACE IN PANELBOARD.
18. PROVIDE U.L. LISTED OVERCURRENT DEVICE TO COORDINATE AND MAINTAIN MANUFACTURER'S SERIES RATED SYSTEM.
19. EXISTING CIRCUIT BREAKER TO REMAIN. VERIFY CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT IS OPERATIONAL AND MEETS ALL U.L. RATINGS.
20. ROUTE CIRCUIT THROUGH EXISTING LCU CABINET UTILIZING EXISTING RELAY AND CONTROLS. UPDATE LCU IDENTIFICATION SCHEDULE WITH LOAD IDENTIFICATION.
21. SOLENOID OPERATED CIRCUIT BREAKER. REFER TO ENERGY MANAGEMENT PLANS FOR CIRCUIT BREAKER CONTROL.
22. EXISTING LOAD - TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND UPDATE CIRCUIT IDENTIFICATION SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN USE, REFER TO PANELBOARD NOTE (11).
23. ROUTE CIRCUIT THROUGH ENCLOSED GFI BREAKER FOR PERSONNEL PROTECTION (5MA).
24. SPARE - FIELD VERIFY CIRCUIT BREAKER IS NOT SERVING AN EXISTING LOAD. IF NO EXISTING LOAD, PROVIDE LOCK OFF DEVICE TO LOCK SPARE BREAKER IN THE OFF POSITION. IF BREAKER IS SERVING A LOAD, IDENTIFY LOAD SERVED. UPDATE CIRCUIT IDENTIFICATION SCHEDULE AS "SPARE" OR INDICATE LOAD SERVED.
25. EXISTING LOAD - TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND UPDATE CIRCUIT IDENTIFICATION SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN USE, REFER TO PANELBOARD NOTE (24).

GENERAL NOTES:

1. NEW OVERCURRENT PROTECTIVE DEVICES INSTALLED IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTION DEVICES IN SAID BOARD.
2. E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR EVERY EXISTING PANELBOARD AFFECTED BY THIS PROJECT. IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE FOR EVERY AFFECTED PANELBOARD. PROVIDE THE DATE THAT THE SCHEDULE IS CREATED.
3. ALL OVERCURRENT DEVICES ARE NEW UNLESS NOTED OTHERWISE.

GENERAL NOTES

08.28.20

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

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. TYPICAL OF ALL ELECTRICAL SHEETS.

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. TYPICAL OF ALL ELECTRICAL SHEETS.

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

ELECTRICAL PLANS AND SCHEDULES

SHEET: E1