

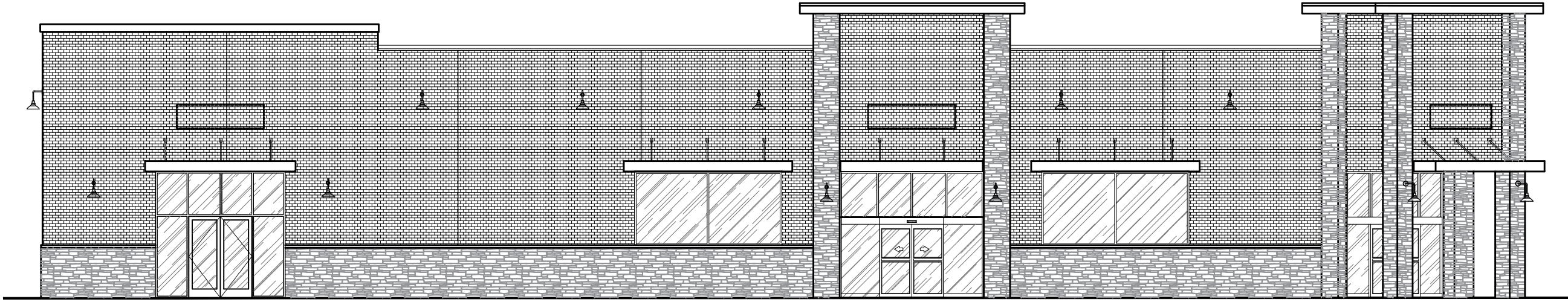
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ABBREVIATIONS

A ADP ADD'L AFF ASF ATS ALT ALUM APPROX BD BLDG BLK BLKG BM B.O. BRG B/ CB C/C CJ CMT CLR CONTR CO COL CONC CONSTR CONTR CONT DET DIA DM DS DWG E EA EC EL ELEV ELEC ELEV EM EPS EQUIP EW EWC EWH	AMPERES ACOUSTICAL ADDITIONAL ABOVE FINISH FLOOR ABOVE SUB FLOOR ABOVE TOP OF SLAB ALTERNATE APPROXIMATE BOARD BUILDING BLOCK BLOCKING BEAM BOTTOM OF BEARING BOTTOM OF CENTER CIRCUIT BREAKER CENTERS TO CENTER CONSTRUCTION JOINT CIRCUIT CEILING CLEAR CLEAN OUT CONCRETE MASONRY UNIT COLUM CONC CONCRETE CONSTRUCTION CONTRACTOR CONTINUOUS DETAIL DIAMETER DIM DOWN DOWNSCOUT DRY WALL DRAWING E ELEC. CONTRACTOR APPROX FAN ELEVATION ELEV ELECTRIC (AL) ELEVATOR EM EXPANDED POLYSTYRENE EQUIPMENT EACH WAY ELECTRIC WATER COOLER ELECTRIC WATER HEATER	FA FD FTE FIN FLR FT FTG GALVANIZED GC GND GWB HDB HM HORIZ HP HT HVAC ID IN INFO INSUL INT INV JB JT LAV LIN LP LT LTC LAMINATED VENEER LUMBER LVL MAX MC MCH MECH MFR MIN MISC MOUNT MT MDT MIGHT MIL NEC NIC NOM NTS	FIRE ALARM FLOOR DRAIN FINISH FLOOR ELEVATION FINISH FLOOR FOOTING GALVANIZED GENERAL CONTRACTOR GROUND FAULT INTERRUPTER GROUND GYPSUM WALLBOARD HARDWARE HOLLOW METAL HORIZONTAL HIGH POINT OR HORSE POWER HEIGHT HEATING/VENTILATION/AIR CONDITIONING INSIDE DIAMETER INTERIOR INVERT JUNCTION BOX JOINT SPEC LINEAR LOW POINT LIGHT LIGHTING LAMINATED VENEER LUMBER MECH. CONTRACTOR MAIN CIRCUIT BREAKER MECHANICAL MANUFACTURE (R) (ING) MISCELLANEOUS MAIN LUGS ONLY MASONRY OPENING MOUNTED MOUNTING HEIGHT METAL NORTH OR NEUTRAL NOT IN CONTRACT NO # NOMINAL NOT TO SCALE	OC OD OPNG OPP PC PLMB PLYWD PNL PNLB PREFAB PROJ PVC R R RECEPT REIN REIN RES REV RM RO RTU SECT SHT SIM SPEC STL STRUCT STR TEL TEL T & B T & G T TOP OF TYP UDN V VCT VERT VNC WC WD WH WP WR W/ W/O WWF	ON CENTER OUTSIDE DIAMETER OPENING OPPOSITE HAND PLUMBS CONTRACTOR PLUMBING PLYWOOD PANEL PANEL BOARD PREFABRICATED PROJECT POLYVINYL CHLORIDE RADIUS RISER ROOF DRAIN RECEPTACLE REINFORCING REQUIRED RESILIENT REVISION ROOM ROUGH OPENING ROOF TOP UNIT SHEET SECTION SIMILAR SPECIFICATIONS STEEL STRUCTURAL STRUCTURAL TELEPHONE TOP AND BOTTOM TONGUE AND GROOVE TREAD TOP OF TYPICAL UNLESS OTHERWISE NOTED VOLTS VINYL COMPOSITION TILE VINYL WALL COVERING WATER CLOSET WOOD WATER HEATER WATER PROOF WATER RESISTANT WITH WITHOUT WELDED WIRE FABRIC
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UNION CITY C-STORE

5051 STONEWALL TELL RD.
UNION CITY, GA 30349



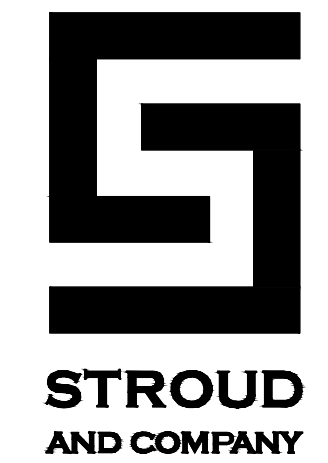
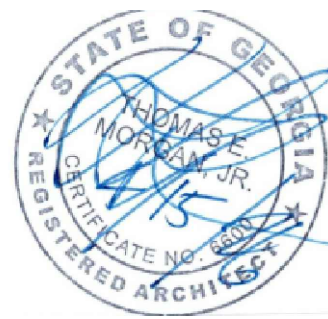
INDEX OF DRAWINGS

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G001	ComCheck ENVELOPE COMPLIANCE REPORT							
LS100	LIFE SAFETY PLAN							
C-04	CIVIL SITE PLAN (FOR REFERENCE ONLY)							
ARCHITECTURAL								
A0.1	ARCHITECTURAL SITE PLAN							
A100	FLOOR PLAN							
A101	DIMENSION FLOOR PLAN – WALL TYPES							
A102	FLOOR FINISH PLAN – ROOM FINISH SCHEDULE							
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A104	EQUIPMENT PLAN							
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P101	FLOOR PLAN WATER & GAS							
P200	PLUMBING DETAILS							
P201	PLUMBING DETAILS							
P300	RISERS DIAGRAMS							
DRAWN BY: CHKD BY:								
PROJECT DESCRIPTION: CONVENIENCE STORE								
PROJECT TITLE: C-STORE 5051 STONEWALL TELL ROAD UNION CITY GA 30349								
SHEET TITLE: COVER SHEET								
PROJECT NO: 24024								

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540



3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P: 770-917-9172
F: 770-917-9470
www.mrpdesign.com

RELEASED FOR
CONSTRUCTION

ISSUES / REVISIONS:	
DATE	DESCRIPTION
04-15-2026	PERMIT SET

DRAWN BY:
CHKD BY:

PROJECT DESCRIPTION:

CONVENIENCE STORE

PROJECT TITLE:

C-STORE
5051 STONEWALL TELL ROAD
UNION CITY GA 30349

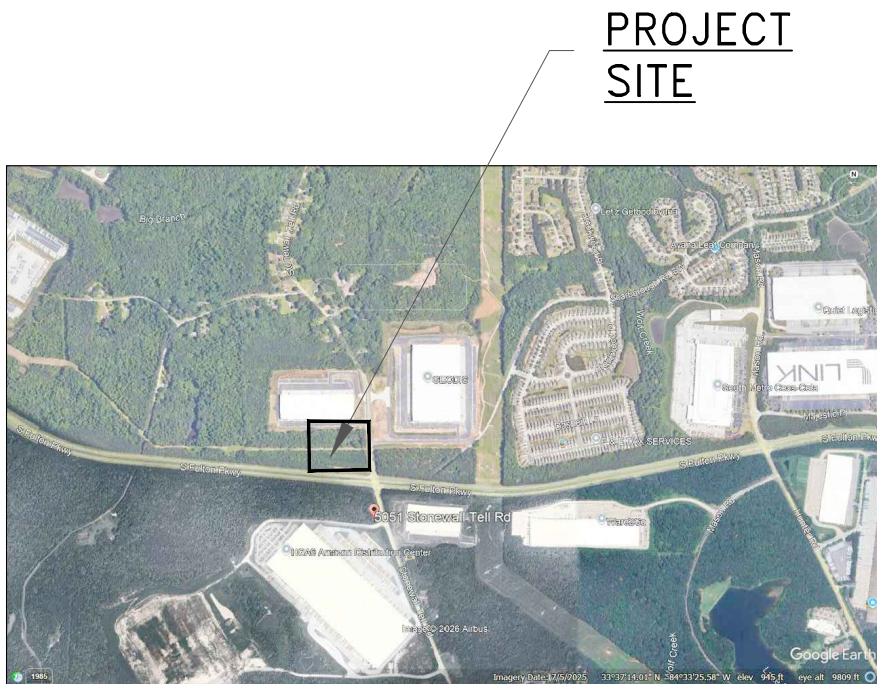
SHEET TITLE:

COVER SHEET

PROJECT NO: 24024

G000

LOCATION MAP



PROJECT
SITE

LIST OF CONTACTS

Owner:
STROUD & Co
Don Leonard

Architectural Project coordinator:
JC ATTANASIO
MRP DESIGN GROUP
3450 ACWORTH DUE WEST ROAD
SUITE 120
KENNESAW, GA 30144
770-917-9172 X 108

Architect of Record:
THOMAS E. MORGAN, JR.
ARCHITECT
423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

Structural:
WALDEMAR DEL VALLE
DV+M STRUCTURAL
6065 Roswell Rd. Suite 970, 9th Floor
Atlanta, GA 30328
(770)262-7273

Civil (Under Separate Cover):
JEFF MASISAK
3459 Acworth Due West Rd
Acworth, GA 30101
(404)850-7790

Mechanical, Plumbing:
JONATHAN EDWARDS
3382 HIGHWAY 5 SUITE C
DOUGLASVILLE, GA 30135
(770)942-7052

Electrical:
JESS F. Mc.CULLOUGH
1820 REAVIS MOUNTAIN ROAD
BALL GROUND GA, 30107
(770)735-3405

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, AND DIMENSIONS PRIOR TO STARTING ANY WORK AND SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY SUBCONTRACTORS AND OWNER.
- STATED DIMENSIONS TAKE PRECEDENCE OVER GRAPHICS. DO NOT SCALE DRAWINGS TO DETERMINE LOCATIONS. THE OWNER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO CONTINUING WORK.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THE WORK.
- FOR CONSTRUCTION DETAILS THAT ARE NOT SHOWN, USE THE MANUFACTURER'S APPROVED SHOP DRAWINGS / DATA SHEETS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- ALL SPECIFIED MATERIALS MUST BE INSTALLED PER MANUFACTURER'S REQUIREMENTS. ANY DISCREPANCIES OR CONFLICTS BETWEEN THE DRAWINGS AND THE MANUFACTURER'S REQUIREMENTS SHOULD BE IDENTIFIED BY THE CONTRACTOR PRIOR TO INSTALLATION AND DURING THE BID PHASE TO AVOID CHANGE ORDERS.
- CONTRACTOR TO NOTIFY THE ARCHITECT OF ANY AND ALL DISCREPANCIES FOUND ON THESE DOCUMENTS. IN THE ABSENCE OF NOTIFICATION OR RESPONSE FROM THE ARCHITECT THE CONTRACTOR WILL BID THE MOST EXPENSIVE CHOICE OF THE ITEMS IN QUESTION. THE CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE AND DISCREPANCIES WITH THE ARCHITECT, LICENSEE AND OWNER FOR A FINAL DECISION PRIOR TO PURCHASE AND INSTALLATION OF MATERIALS IN QUESTION.
- NO EMAILS WILL SUPERSEDE THESE DRAWINGS, G.C. MUST CONTACT THE ARCHITECT BY PHONE OR SIGNED RFIs.
- CONTRACTOR SHALL MAKE AVAILABLE TO THE BUILDING INSPECTOR DOCUMENTATION NECESSARY TO VERIFY THAT ALL EXTERIOR ENVELOPE COMPONENTS REQUIRING PRODUCT APPROVAL PER 555.842 ARE IN COMPLIANCE WITH PRODUCT APPROVAL INSTALLATION REQUIREMENTS.

"Knox Box" Requirement:

IFC SECTION 506 KEY BOXES

IFC 506.1 REFERS TO AN LOCATION OF THE KEY BOX BEING OF WHICH IS TO BE DETERMINED BY THE FIRE CODE OFFICIAL. FIRE & EMERGENCY SERVICES REQUIRE ALL KEY BOXES BE LOCATED ON THE STREET SIDE/ADDRESS SIDE OF THE PROPERTY UNLESS OTHERWISE APPROVED BY THE FIRE MARSHAL'S OFFICE. THIS IS DETERMINED TAKING IN ACCOUNT THE LOCATION OF FIRE DEPARTMENT ACCESS, AND IS USUALLY DONE ON A SITE VISIT WITH THE G.C.

Municipal Requirements

- THE GENERAL CONTRACTOR SHALL SUBMIT TO BUILDING INSPECTIONS, SOIL COMPECTION DATA PRIOR TO THE PLACEMENT OF CONCRETE.
- PLANS AND DESIGN CRITERIA FROM THE ROOF TRUSS MANUFACTURER SHALL BE SUBMITTED TO THE BUILDING INSPECTORS. THE DATA PROVIDED SHOULD BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER. THE PLANS SHOULD INCLUDE DEAD LOAD, LIVE LOAD, WIND LOAD, AND COLLATERAL LOADING FOR ALL COMPONENT SECTIONS
- EXHAUST HOODS AND FIRE SUPPRESSION SYSTEMS ARE TO BE APPROVED BY THE APPROPRIATE AUTHORITIES (FIRE MARSHALL, ETC.) IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN APPROVALS.
- THE SUBCONTRACTOR FOR THE EXHAUST HOOD SUPPRESSION SYSTEM SHALL EACH SUBMIT PLANS FOR EVALUATION AND APPROVAL PRIOR TO COMMENCEMENT OF NEW WORK PER NFPA 96.

General notes

- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO BUILD PER ALL APPLICABLE CODES AND REGULATIONS: FEDERAL, STATE, AND LOCAL.
- ALL SUBCONTRACTORS INCLUDING MECHANICAL, PLUMBING, AND ELECTRICAL SHALL BE RESPONSIBLE FOR SECURING PERMITS FOR THEIR WORK & TRADE UTILITY. FURTHER DRAWINGS (IF REQUIRED) FOR PERMITS AND UTILITY HOOK-UPS SHALL ALSO BE BY THE SUBCONTRACTOR.
- ANY DISCREPANCIES WITHIN THESE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. THE CONTRACTOR WILL MAKE ASSUMPTIONS AT HIS OWN EXPENSE.
- THE GENERAL CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS PER NFPA 10 (OR LOCAL AUTHORITY). FIRE EXTINGUISHERS SHALL BE MOUNTED, TOP = 48" AFF.
- THIS STATEMENT SHALL NOT GOVERN OVER MANUFACTURERS' WARRANTIES. THE GENERAL CONTRACTOR SHALL WARRANT HIS WORKMANSHIP FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF OCCUPANCY & ACCEPTANCE OF WORK BY THE OWNER, DEFECTIVE OR INFERIOR MATERIALS OR WORKMANSHIP FOUND AT ANY TIME PRIOR TO FINAL ACCEPTANCE OF THE WORK BY THE OWNER AND ALSO DURING THE WARRANTY PERIOD MAY BE REJECTED, REGARDLESS OF PREVIOUS INSPECTION. CORRECTIVE MEASURES WHEN REQUIRED SHALL BE EXECUTED AT NO ADDITIONAL COST TO THE OWNER.
- ALL MATERIALS RELATED TO THIS WORK SHALL BE: SHIPPED, STORED AND INSTALLED PER THE MANUFACTURERS RECOMMENDATIONS.
- THE G.C. WILL LEAVE THIS SITE FREE AND CLEAR OF DEBRIS UPON COMPLETION OF THE WORK.
- UPON COMPLETION OF BUILDING & ACCEPTANCE BY THE OWNER THE CONTRACTOR SHALL PROVIDE, PREPARE, ASSEMBLE, AND TRANSMIT TO THE OWNER THE FOLLOWING: MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT, WARRANTIES FOR ALL EQUIPMENT FOR A MINIMUM OF ONE YEAR FROM THE ACCEPTANCE DATE, KEYS WITH SCHEDULE AND DEMONSTRATE THE EQUIPMENT.
- TERMITE PROTECTION SHALL BE PROVIDED UNDER THE FLOOR SLAB. INSTALLATION AND WARRANTY SHALL BE PER THE INTERNATIONAL BUILDING CODE.

Occupancy

CONSTRUCTION TYPE: VB
OCCUPANCY: MIXED MERCANTILE/A-2 (NON-SEPARATED)
OCCUPANT LOAD - (LSC TABLE 7.3.2.1.1)
A. CONVENIENCE STORE/MERC. - 5,158 SF/ 30 = 172
STORAGE - 852/300 = 3
GAMES - 165/ 11 = 15
KITCHEN / COOKING - 285/100 = 3
CASHIER - 115/150 = 1
PREP AREA - 186/100 = 1
TOTAL MERC. OCCUPANCY = 195
B. QUICK SERVICE REST. (QSR 1,604 SF)
OCCUPANCY: QSR/A-2
1,604 X .5 = 802 X .5 (KITCHEN)/100 = 4
1,604 X .5 = 802 /15 (A-2)= 54 OCC.
TOTAL QSR OCCUPANCY = 58
BATHROOMS = 415 SF (N/A)

PROJECT INFORMATION

Building Design

Total Square Footage: 6,762 SF
Occupancy Classification: Mixed Mercantile/A-2 (NON-SEPARATED)
Construction Type: Type V B
Allowable Height and Area: 40 FT / 6,000 SF A-2 (QUICK SERVICE RESTAURANT WORST CASE)
Proposed Height and Area: 28'-0" FT / 6,762 SF COUNTING ENTIRE FLOOR AS IF A-2 (OK)

Applicable Codes

Building Code - 2024 INTERNATIONAL BUILDING CODE
Plumbing Code - 2024 INTERNATIONAL PLUMBING CODE
Mechanical Code - 2024 INTERNATIONAL MECHANICAL CODE
Fuel Gas Code - 2024 INTERNATIONAL FUEL-GAS CODE
Electrical Code - 2023 NATIONAL ELECTRICAL CODE
Fire Code - 2024 INTERNATIONAL FIRE CODE
Fire Safety -2018 NFPA 101 LIFE SAFETY CODE w/ 2022 GA. STATE FIRE COMMISSIONER AMENDMENTS 120-3-3-.04(72)
Accessibility Code - GA. ACCESSIBILITY CODE CHAPTER 120-3-20A, REFERENCING THE ADA 2010 EDITION, w/ 2022 GA. FIRE COMMISSIONER AMENDMENTS 120-3-3-.08 THROUGH .11
Energy Code - 2015 INTERNATIONAL ENERGY CONSERVATION CODE

Fire Ratings

Automatic Sprinkler System: _____ Type VB
FIRE SPRINKLER SYSTEMS ARE NOT REQUIRED BY GEORGIA 2018 FIRE CODE. THE CITY ORDINANCE REFERENCES THE GEORGIA FIRE PREVENTION CODE REQUIREMENTS FOR FIRE PROTECTION AND LIFE SAFETY FOR THE CITY. THE CODE IS ADOPTED BY ORDINANCE.
Structural Frame: 0 hrs
Interior Walls: 0 hrs
Bearing Walls (Ext & Int): 0 hrs
Non Bearing Wall & Partitions: 0 hrs
Floor Construction: 0 hrs
Roof Construction: 0 hrs

Building Information and Notes

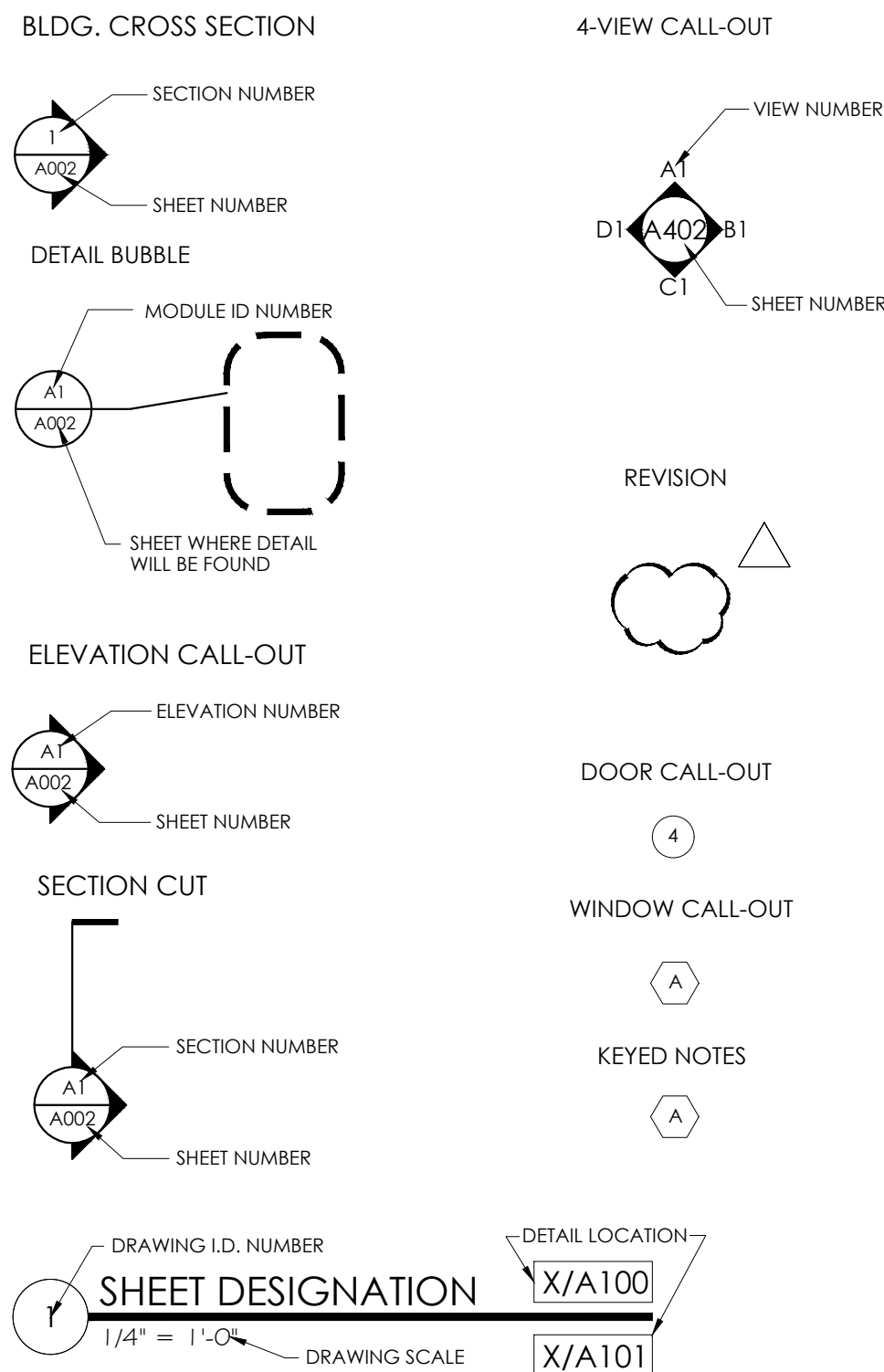
OCCUPANCY CLASSIFICATION: _M/A-2_, TYPE OF CONSTRUCTION: _VB_, SPRINKLED: _NO_, FIRE SPRINKLER MONITORING: _NO_, 1-HOUR PROTECTED: _NO_, BUILDING AREA IN SQUARE FEET: 6762_, NUMBER OF STORIES: _1_, MEZZANINE: _N/A_, CALCULATED LOAD FOR OCCUPANCY: 253 MIXED USE.

(DOORS) GENERAL SHALL MEET THE REQUIREMENTS OF THE NFPA 101 LIFE SAFETY CODE, CHAPTER 7, SEC. 7.2.1, 2006 EDITION. FIRE DOOR ASSEMBLIES SHALL CONFORM TO NFPA 80.

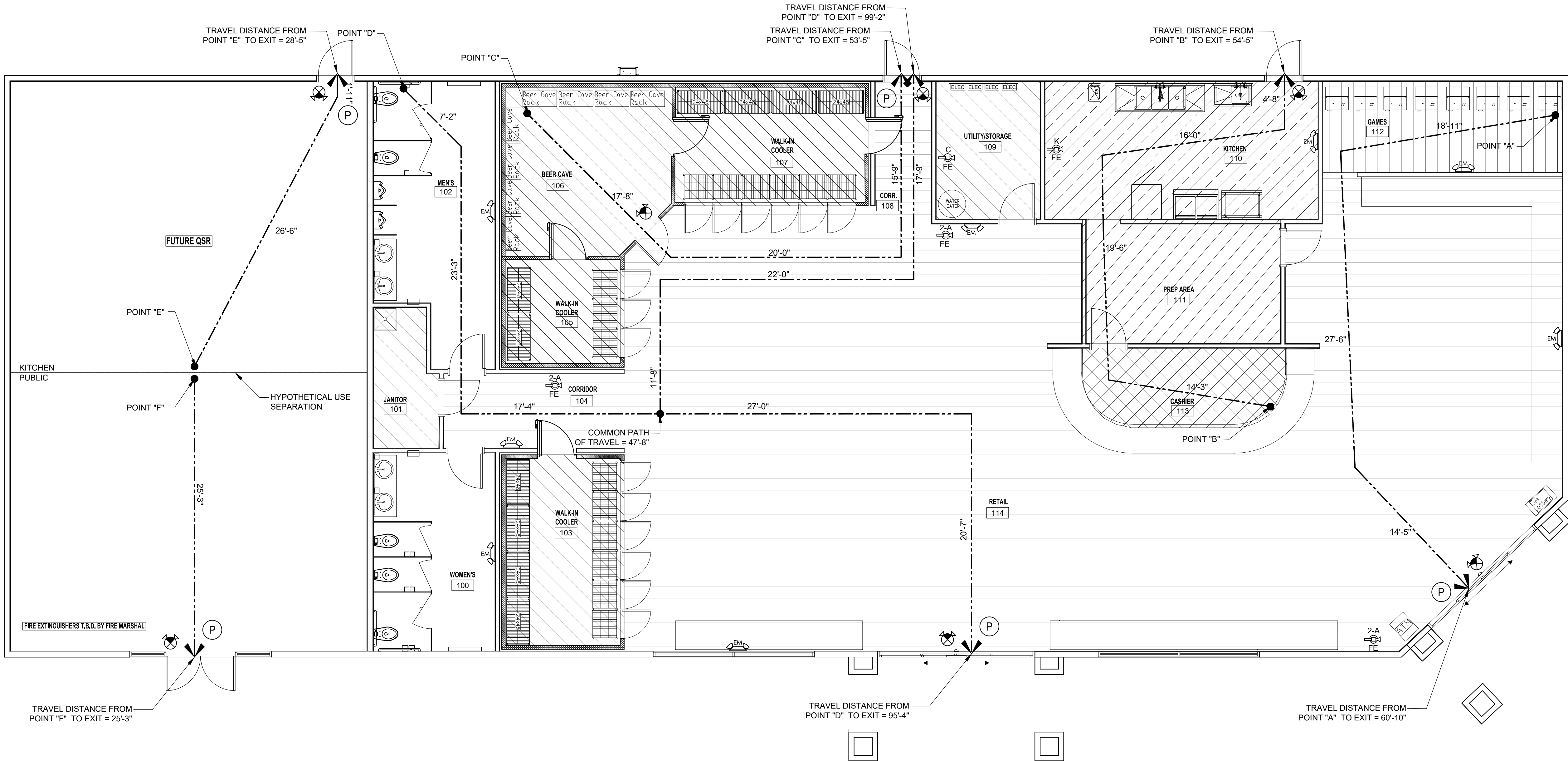
(FIRE EXTINGUISHERS) PROVIDE PORTABLE FIRE EXTINGUISHER PER GEORGIA 2012 CODE FOR PLACEMENT OF FIRE EXTINGUISHERS. SEE LS-100 FOR TYPES & LOCATIONS. FIRE EXTINGUISHERS ARE REQUIRED AND SHALL BE INSTALLED AT A MAX. OF 48" ABOVE THE FINISHED FLOOR TO THE TOP OF THE HANDLE. TRAVEL DISTANCE TO A FIRE EXTINGUISHER SHALL NOT EXCEED 75'. FOR TYPE K, TRAVEL DISTANCE SHALL NOT EXCEED 30'. FIRE EXTINGUISHERS SHALL NOT BE OBSTRUCTED OR OBSCURED FROM VIEW. FIRE EXTINGUISHERS SHALL BE CONSPICUOUSLY LOCATED WHERE THEY WILL BE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE IN THE EVENT OF FIRE. PREFERABLY THEY SHALL BE LOCATED ALONG NORMAL PATHS OF TRAVEL INCLUDING EXITS FROM AREA. ALL WORK AND INSPECTIONS OF PORTABLE FIRE EXTINGUISHERS SHALL BE PERFORMED BY A STATE CERTIFIED AGENT.

(SIGNAGE FOR RESTROOM BY TENANT): SHALL BE RAISED AND BRAILLE CHARACTERS AND PICTORIAL SYMBOL SIGNS. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHTS SHALL BE 60 INCHES ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN.

SYMBOL LEGEND



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FIRE EXTINGUISHER TYPES	
	CLASS 2-A EXTINGUISHER (PER NFPA 10): FOR CLASS A HAZARDS IN ORDINARY (MODERATE) HAZARD OCCUPANCY, (I) EXTINGUISHER PROVIDES 1,500 S.F. OF PROTECTION IN DINING AREA - DISTANCE TO EXTINGUISHER NOT TO EXCEED 75'-0"
	CLASS C EXTINGUISHER (PER NFPA 10): REQUIRED WHERE ENERGIZED ELECTRICAL EQUIPMENT CAN BE ENCOUNTERED THAT WOULD REQUIRE A NON - CONDUCTING EXTINGUISHING MEDIUM
	CLASS K EXTINGUISHER (PER NFPA 10): PROVIDED FOR HAZARDS WHERE THERE IS A POTENTIAL FOR FIRES INVOLVING COMBUSTIBLE COOKING MEDIA - DISTANCE TO EXTINGUISHER NOT TO EXCEED 30'-0" OF COOKING EQUIPMENT

LEGEND:	
	EGRESS TRAVEL
	DOORS WITH PANIC HARDWARE
	EMERGENCY EXIT LIGHT
	EMERGENCY LIGHT PACK

CODE SUMMARY - CONVENIENCE STORE/QSR UNION CITY, GA	
CONSTRUCTION TYPE: VB OCCUPANCY: MIXED MERCANTILE/A-2 (NON-SEPARATED) OCCUPANT LOAD - (LSC TABLE 7.3.2.1.) A. CONVENIENCE STORE/MERC. - 5,158 SF/ 30 = 172 STORAGE - 852/300 = 3 GAMES - 165/ 11 = 15 KITCHEN / COOKING - 285/100 = 3 CASHIER - 115/150 = 1 PREP AREA - 186/100 = 1 TOTAL MERC. OCCUPANCY = 195 B. QUICK SERVICE REST. (QSR 1,604 SF) OCCUPANCY: QSR/A-2 1,604 X .5 = 802 X .5 (KITCHEN)/100 = 4 1,604 X .5 = 802 /15 (A-2)= 54 OCC. TOTAL QSR OCCUPANCY = 58 BATHROOMS = 415 SF (N/A)	NUMBER OF EXITS: IFC 1006.3.2 1-500: 2 exits required, 3 provided MAX. TRAVEL DISTANCE: LSC 14.2.6.2 150'-0" MAX ALLOWED (non sprinklered) MAX. TRAVEL DISTANCE PROVIDED 95'-4" COMMON PATH OF EGRESS TRAVEL 75'-0" MAX ALLOWED 47'-8" PROVIDED BUILDING FIRE PROTECTION: NOT REQUIRED Dead End Limit: 20' Max. (Non sprinkled) Exit Width for convenience store IFC 1005.3.2 .2 X 195= 39" required 5x 35" = 175" provided Exit Width for QSR IFC 1005.3.2 .2 x 58= 11.6" required 3x 35" 105" provided

FOOD PREP (100 SF/PERSON)
STORAGE (300 SF/PERSON)
KITCHEN (100 SF/PERSON)
GAMES (11 SF/PERSON)
CASHIER (150 SF/PERSON)
RETAIL AREA (30 SF/PERSON)

ISSUES / REVISIONS:	
DATE	DESCRIPTION
04-19-2026	PERMIT SET

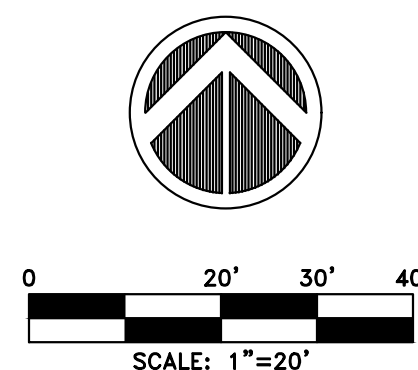
DRAWN BY:
CHKD BY:

PROJECT DESCRIPTION:
CONVENIENCE STORE

PROJECT TITLE:

SHEET TITLE:

PROJECT NO:	24024
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EXISTING R.O.W.
PROPOSED R.O.W.
EXIST. PROPERTY LINE
PROP. PROPERTY LINE
SETBACK LINE
CONCRETE CURB AND GUTTER (SEE DETAIL)

- ## SITE NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS AND SITE WORK SPECIFICATIONS AND SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES.
2. REFERENCE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS, TRUCK DOCKS, SIDEWALKS, STEPS, TRANSFORMER PADS, ETC.
3. TOPOGRAPHIC BOUNDARY SURVEY, PROPERTY LINES, LEGAL DESCRIPTION, EXISTING UTILITIES, SITE TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTURE LOCATIONS WILL BE PROVIDED BY THE FOLLOWING COMPANY:
GEOSURVEY
ATTN: CRAIG JENNINGS
1660 BARNES MILL ROAD
MARIETTA, GA 30067
DATED: JUNE 14, 2024
4. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED. ALL DIMENSIONS SHOWN TO BUILDINGS ARE TO OUTSIDE FACE OF BUILDING.
5. CONCRETE TRUCK DOCKS ARE BY THE BUILDING CONTRACTOR.
6. ALL HANDICAP ACCESSIBLE PARKING SIGNS AND STRIPING SHALL BE IN ACCORDANCE WITH THE AMERICAN WITH DISABILITY ACT (ADA) REQUIREMENTS AND STATE CODE.
7. ALL TRAFFIC SIGNS SHALL CONFORM TO THE UNIFORM TRAFFIC CONTROL MANUAL AND THE STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION.
8. ALL STRIPED OR CURBED RADII SHALL BE NOTED ON PLANS.
9. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ANY EXISTING IMPROVEMENTS, ONSITE OR OFF SITE, SUCH AS EXISTING UTILITIES, DRAINAGE, ETC. THE REPAIR MUST BE APPROVED BY THE ENGINEER AND BE EQUAL OR BETTER THAN EXISTING CONDITIONS.
10. SITE LIGHTING SHALL BE INCLUDED IN THE GENERAL CONTRACTOR'S SCOPE OF WORK. ALL PARKING LOT LIGHTING POLES, BASES AND FIXTURES WITH LAMPS SHALL BE INSTALLED BY THE GENERAL CONTRACTOR'S ELECTRICAL CONTRACTOR AND SHALL SUPPLY A ONE YEAR WARRANTY CERTIFICATE.
11. CONTRACTOR SHALL OBTAIN ALL PERMITS BEFORE CONSTRUCTION BEGINS.
12. SITE CONTRACTOR SHALL SUPPLY AS-BUILT PLANS INDICATING ALL CHANGES AND DEVIATIONS.
13. ANY DEVIATION FROM THESE PLANS MAY CAUSE THE WORK TO BE UNACCEPTABLE.
14. ANY UNANTICIPATED CONDITIONS ENCOUNTERED DURING THE CONSTRUCTION PROCESS SHALL BE IDENTIFIED TO THE ENGINEER IMMEDIATELY.
15. ALL CONCRETE SHALL BE 3,000 PSI 28 DAY COMPRESSIVE STRENGTH.
16. PROJECT SIGNAGE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
17. ALL CURB AND GUTTER WITHIN THE DEVELOPMENT SHALL BE 18" AND 24". IT SHALL BE 30" WITHIN THE R.O.W. UNLESS NOTED OTHERWISE.
18. PARKING LOT STRIPING SHALL BE INCLUDED IN PAVING CONTRACTOR'S SCOPE OF WORK. STRIPING WILL BE ACCORDING TO OWNER'S CONDITIONS UNLESS OTHERWISE NOTED OTHERWISE. ALL STRIPING IS TO HAVE TWO (2) COATS OF PAINT (MIN).
19. LIGHT POLE BASES SHALL BE PAINTED TRAFFIC YELLOW PER SITE WORK SPECIFICATIONS.
20. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDANCE OF ALL WETLANDS AREAS AS ILLUSTRATED IN THE WETLANDS DELINEATION PACKAGE.
21. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL OFF-SITE EASEMENTS NOT DELINEATED ON PLANS OR KNOWN OF AT TIME OF PLAN ISSUANCE.
22. THE SITE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL WORK AND MATERIALS INCLUDING BUT NOT LIMITED TO: TRANSFORMER, TRANSFORMER AND DUMPER PADS AS WELL AS ALL UTILITY CONDUITS

PROPOSED CONVENIENCE STORE

5051 STONEWALL TELL ROAD UNION CITY, GA 30349

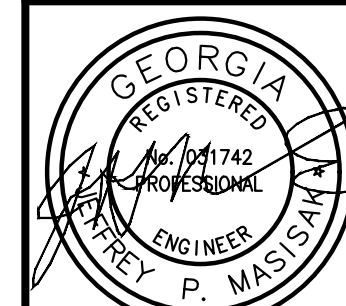
PREPARED FOR:

5051 STONEWALL TELL DEVELOPMENT, LLC

UNION CITY, FULTON COUNTY, GEORGIA

PARCEL ID: 09F340101340342

LAND LOT 134, DISTRICT 9F



**MASS ENGINEERING AND
CONSULTANTS, LLC.**
1459 ACWORTH DUE WEST ROAD, SUITE 565
ACWORTH, GEORGIA 30101
PHONE: 404.850.7790 EXT. 901
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ENGINEERING AND CONSULTANTS, LLC

REVISIONS

[illegible]

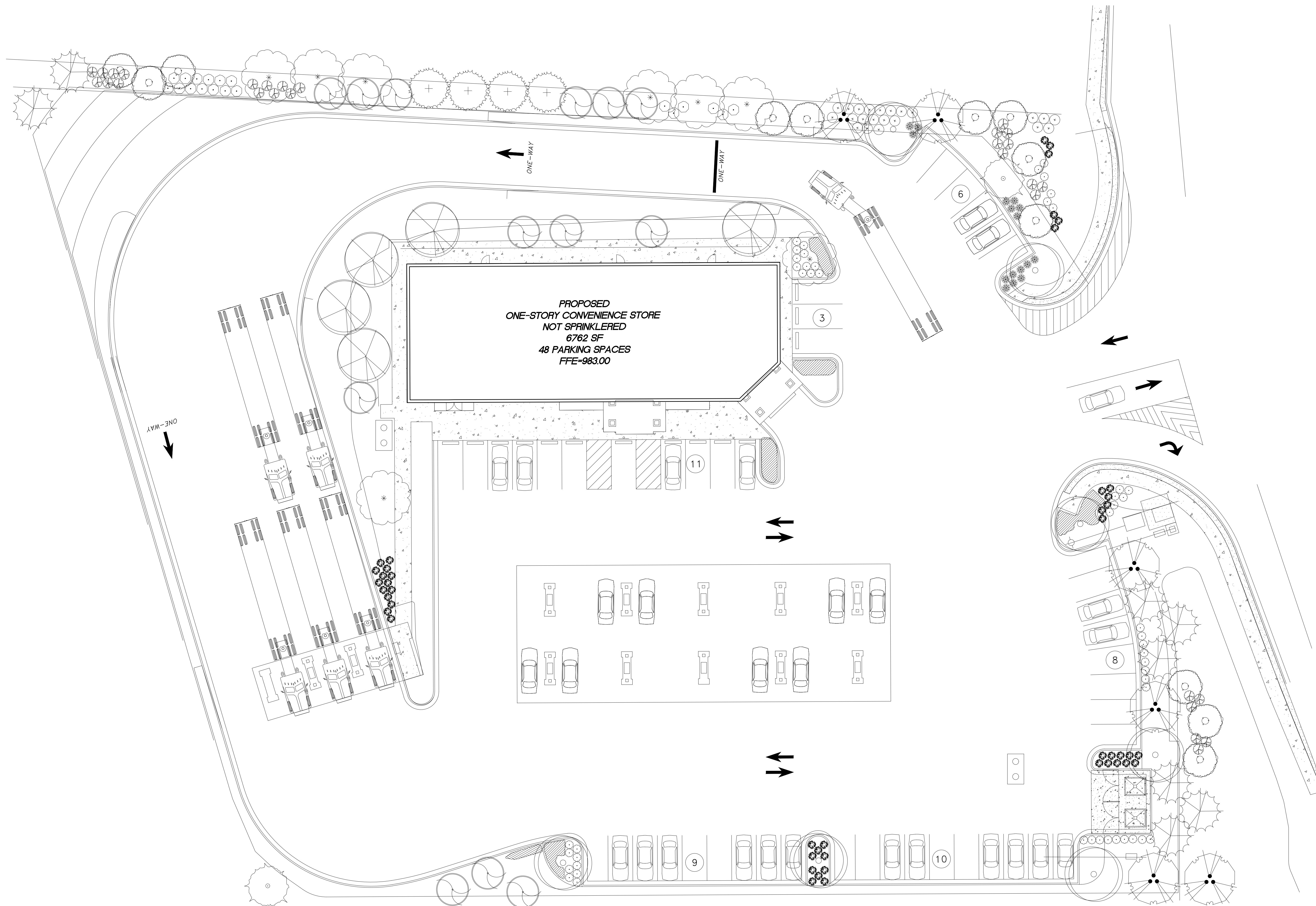
SITE PLAN

PROJECT NUMBER:

DATE: 24 0018

C-04

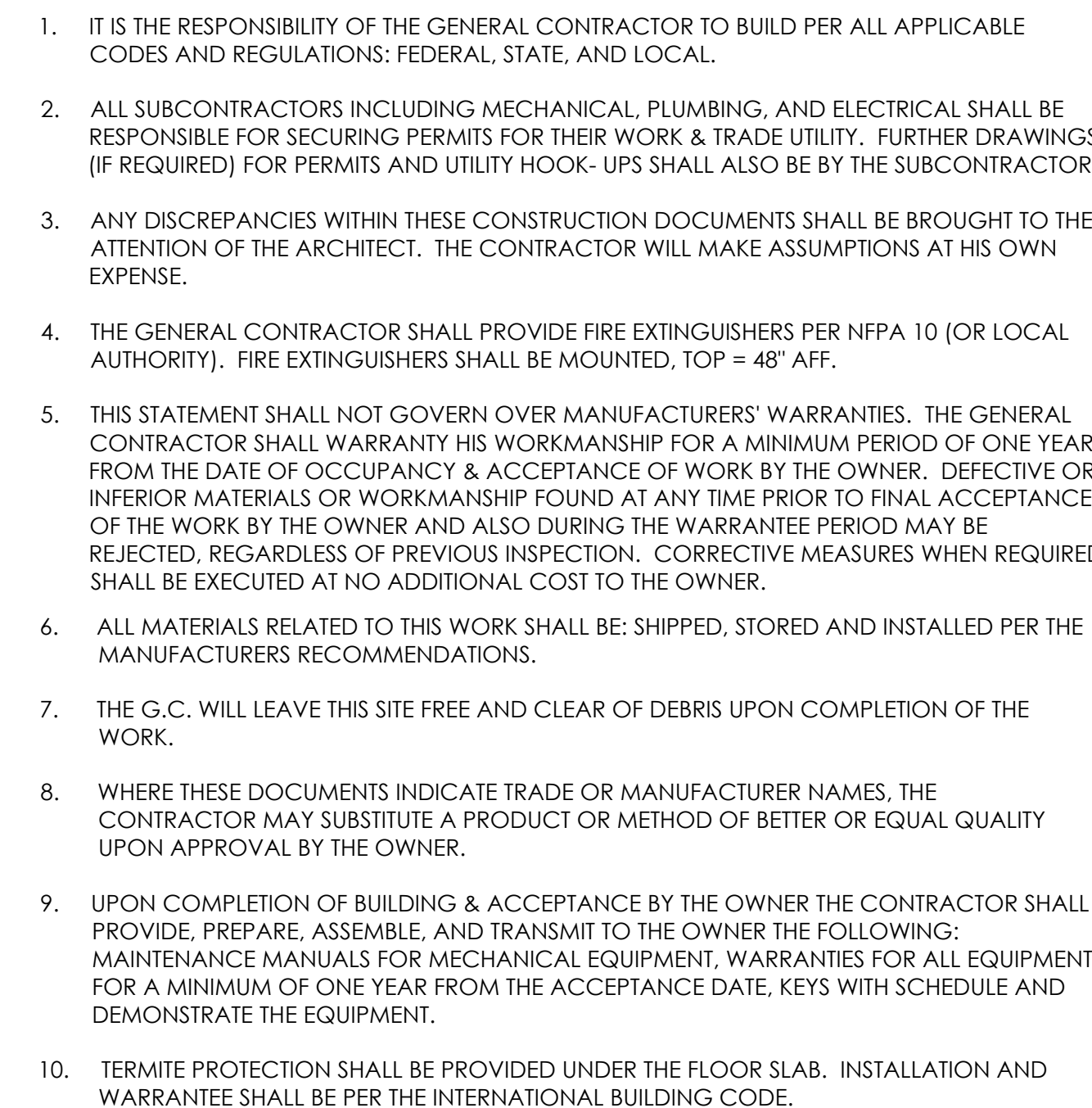
ASP



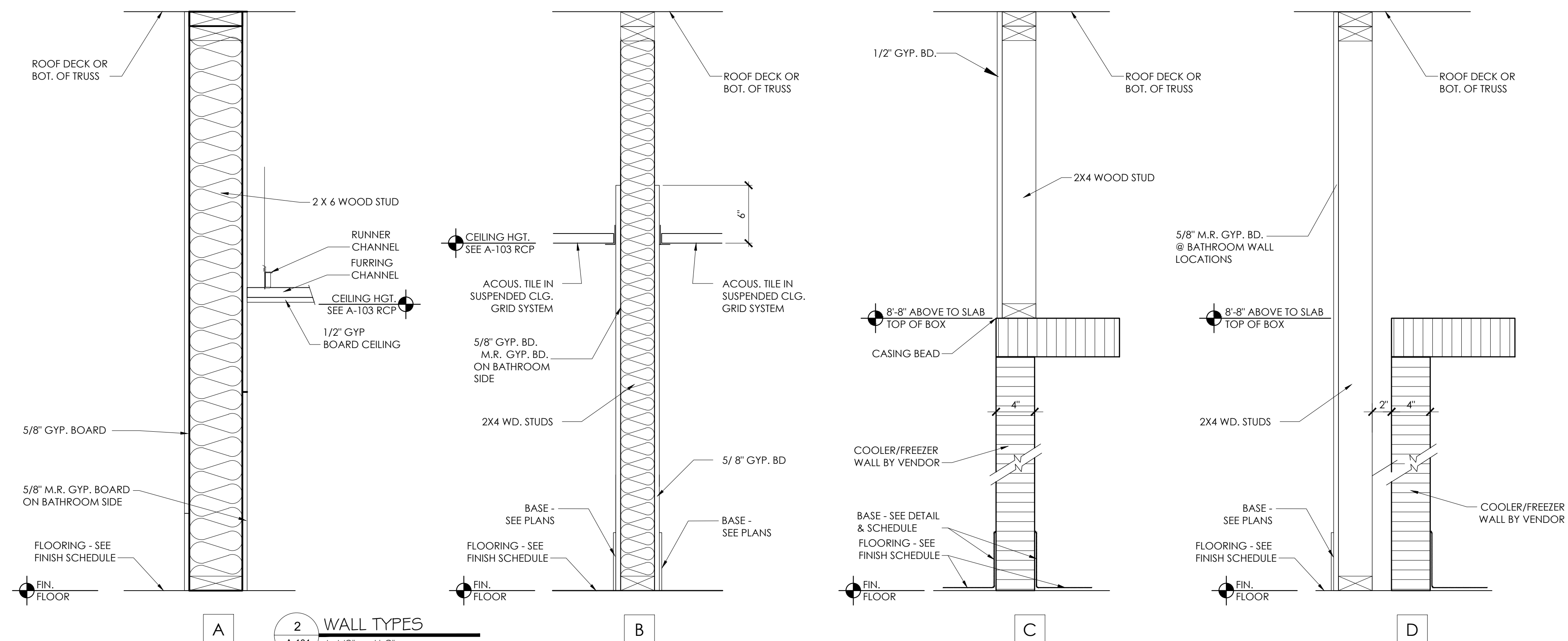
1 ARCHITECTURAL SITE PLAN
1/16" = 1'-0"

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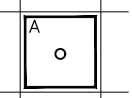
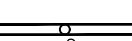
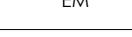
A-100



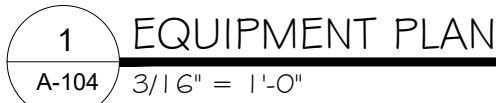
2 WALL TYPES
A-101 1 1/2" = 1'-0"



FS - FLOOR SINK

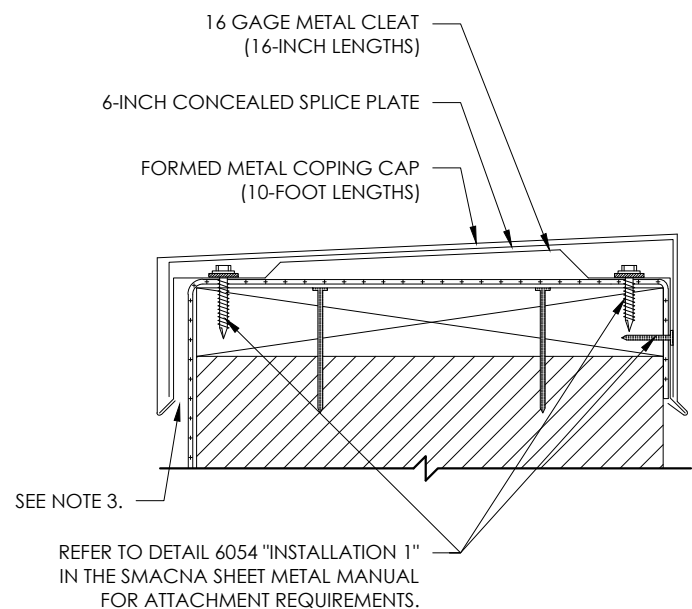
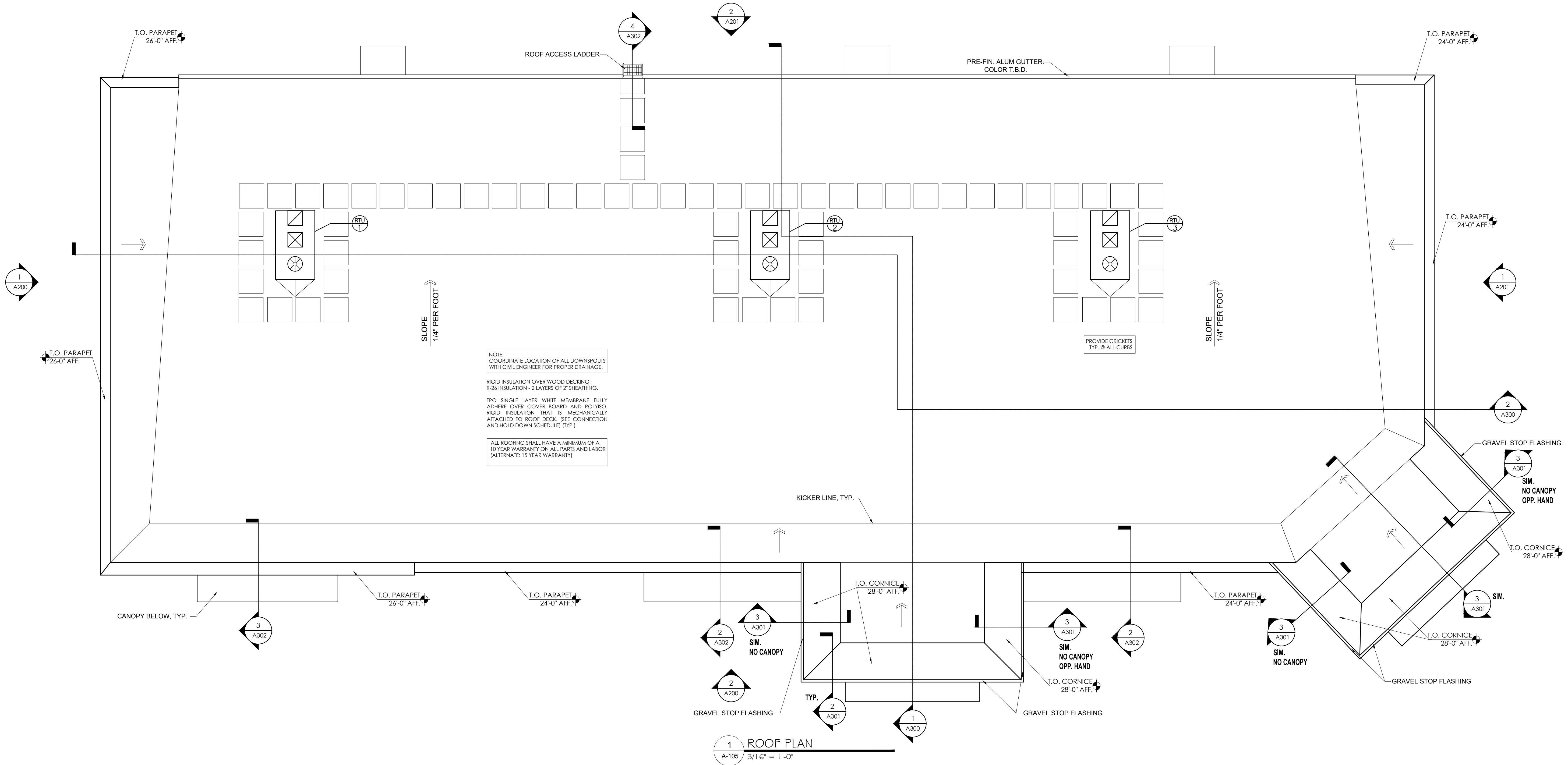
LEGEND:			
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL
	2X2 LED TROFFER	MAXLITE	SEE E000 FOR MODEL SELECTION
	4' UTILITY STRIP	MAXLITE	
	4" LED DOWNLIGHT	LSI	
	EXIT SIGN	LSI	
	EMERGENCY LIGHT PACK	LSI	
	LED PENDANT	CREE	
	LED WALLPACK	LSI	
	LED SOFFIT LIGHT	LSI	
	EXTERIOR LIGHT PACK	LSI	

A-104

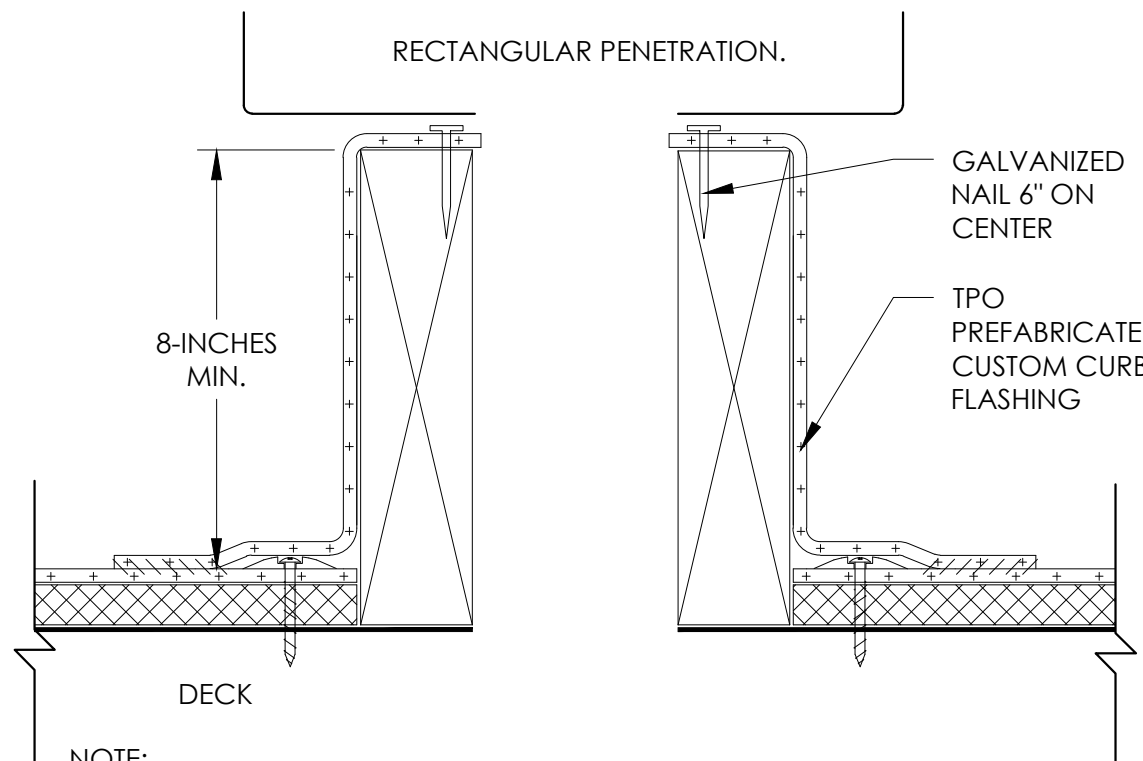


G	REACH-IN COOLERS & BEER CAVE DOORS	MANUFACTURER	MODEL/TYPE	ELECTRICAL		
G-1	SOFT DRINK& BEER COOLER REACH-IN COOLER DOORS	ANTHONY	#101-4.25" SILLS	(15) 30" x 79" M/T GLASS DISPLAY DOORS		
G-2	BEER CAVE DOOR	ANTHONY	#103	(1) 36" 81" M/T GLASS ENTRANCE DOORS		
R	WALK-IN COOLERS REFRIGERATION					
R1	COOLER CONDENSING UNIT (WALK IN COOLER)	BOHN	BCH0055MCACZA0000	208/230	3 60	ROOFTOP MOUNTED RACK BY OTHERS
R2	COOLER COIL FAN (WALK IN COOLER)	BOHN	BEL0125A56ACAY0055	115	1 60	FINAL LOCATION BY REF. CONTRACTOR
R3	COOLER CONDENSING UNIT (WALK IN COOLER)	BOHN	BCH0020MCACZA0000	208/230	3 60	ROOFTOP MOUNTED RACK BY OTHERS
R4	COOLER COIL FAN (WALK IN COOLER)	BOHN	BEL0125A56ACAY0055	115	1 60	FINAL LOCATION BY REF. CONTRACTOR

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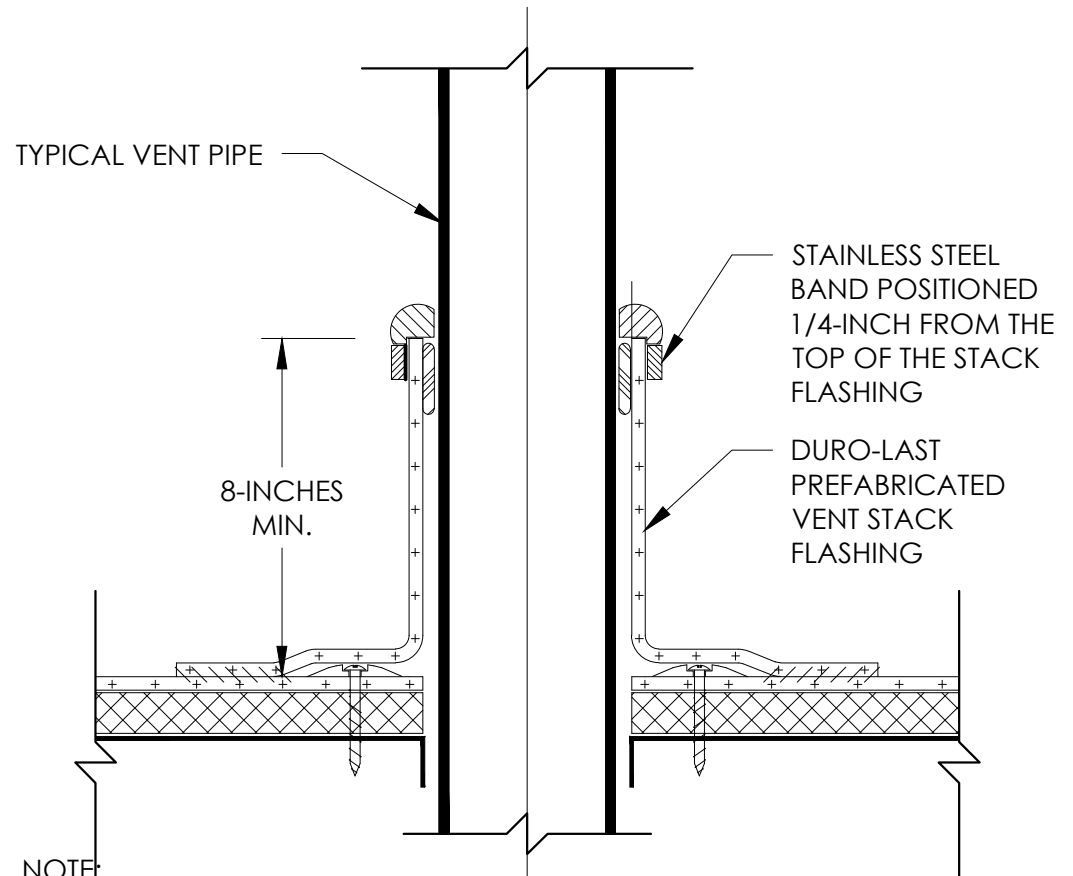
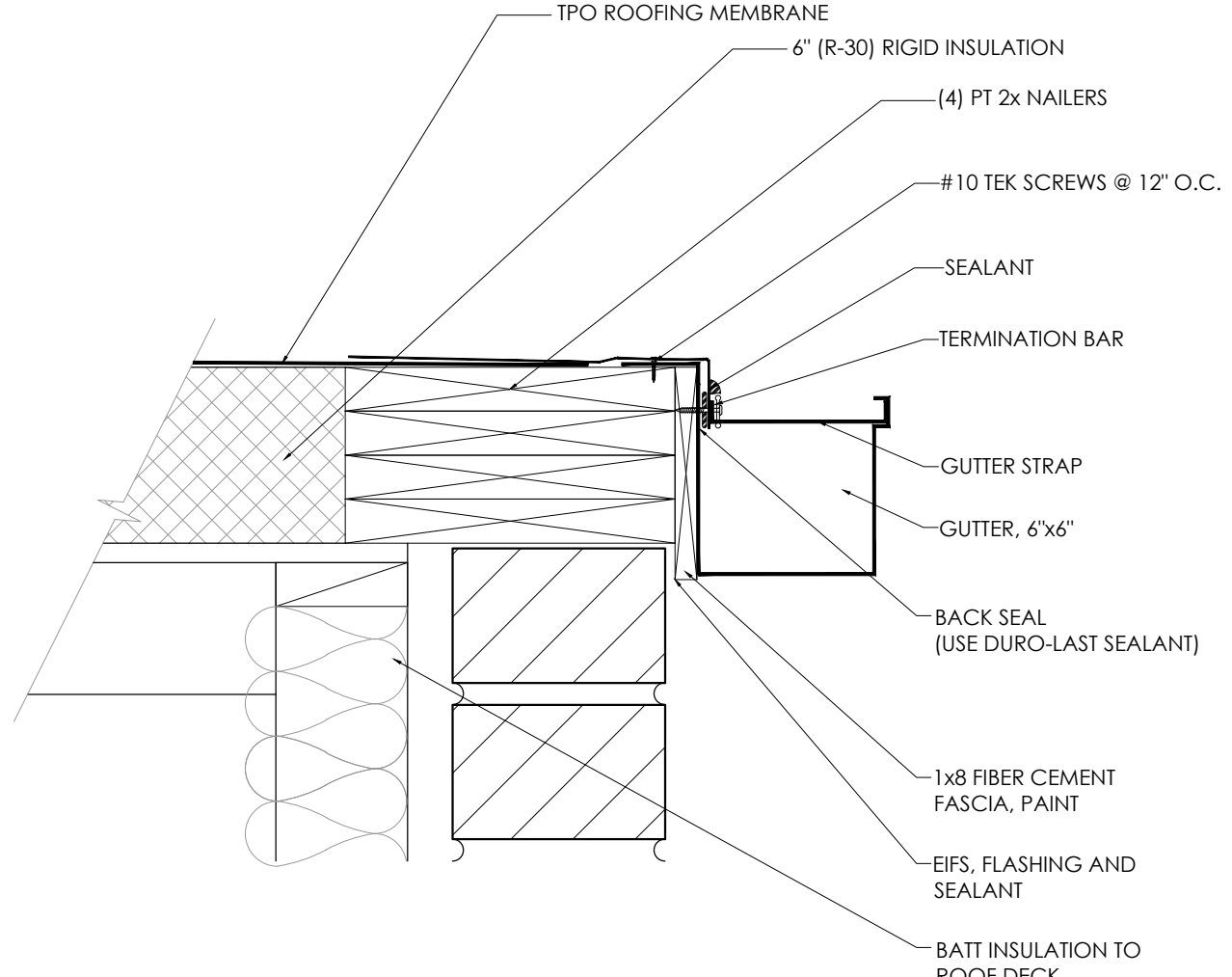


- NOTES:
- ALL COPING CAP JOINTS MUST UTILIZE A 6-INCH CONCEALED SPLICE PLATE.
 - ALL JOINTS ARE TO BE SEALED WITH AN APPROVED TPO SEALANT ON TOP OF THE SPLICE PLATE. ON BOTH SIDES OF THE JOINT. ALLOW A 1/4-INCH GAP BETWEEN COPING SECTIONS.
 - ON THE INSIDE EDGE OF THE COPING CAP BASE CLEAT, LEAVE A 3/8-INCH GAP BETWEEN THE CLEAT AND THE WALL TO ALLOW THE COPING CAP TO SNAP INTO PLACE.
 - ALL FASTENERS MUST PENETRATE INTO THE WOOD NAILER A MINIMUM OF 1 1/2-INCHES.



NOTE:

PERIMETER FASTENING OF THE DECK MEMBRANE WILL BE THE SAME FASTENING PATTERN AS THE FIELD MEMBRANE. MAX. 18-INCHES ON CENTER, AND NO LESS THAN ONE FASTENER PER SIDE.



- NOTE:
- IF A LEAD FLASHING IS PRESENT ON THE PIPE, IT MUST BE REMOVED BEFORE A TPO STACK FLASHING IS INSTALLED.
 - MEMBRANE ATTACHMENT AROUND THE PENETRATION WILL BE THE SAME AS THE DECK MEMBRANE. MAX. 18-INCHES ON CENTER, AND A MINIMUM ONE PLATE/FASTENER PER FLASHING.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

REGISTERED ARCHITECT

**STROUD
AND COMPANY**

**MRP
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3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P: 770-917-9172
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www.mrpdsgn.com

RELEASED FOR CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
04-15-2028	PERMIT SET

DRAWN BY:

CHKD BY:

PROJECT DESCRIPTION:

CONVENIENCE STORE

PROJECT TITLE:

C-STORE
5051 STONEWALL TELL ROAD
UNION CITY GA 30349

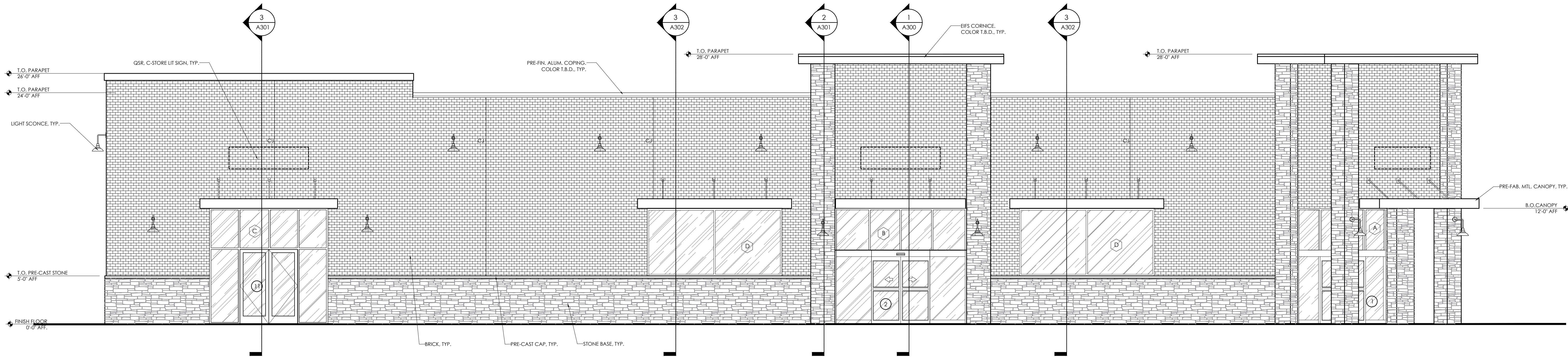
SHEET TITLE:

DIMENSION PLAN

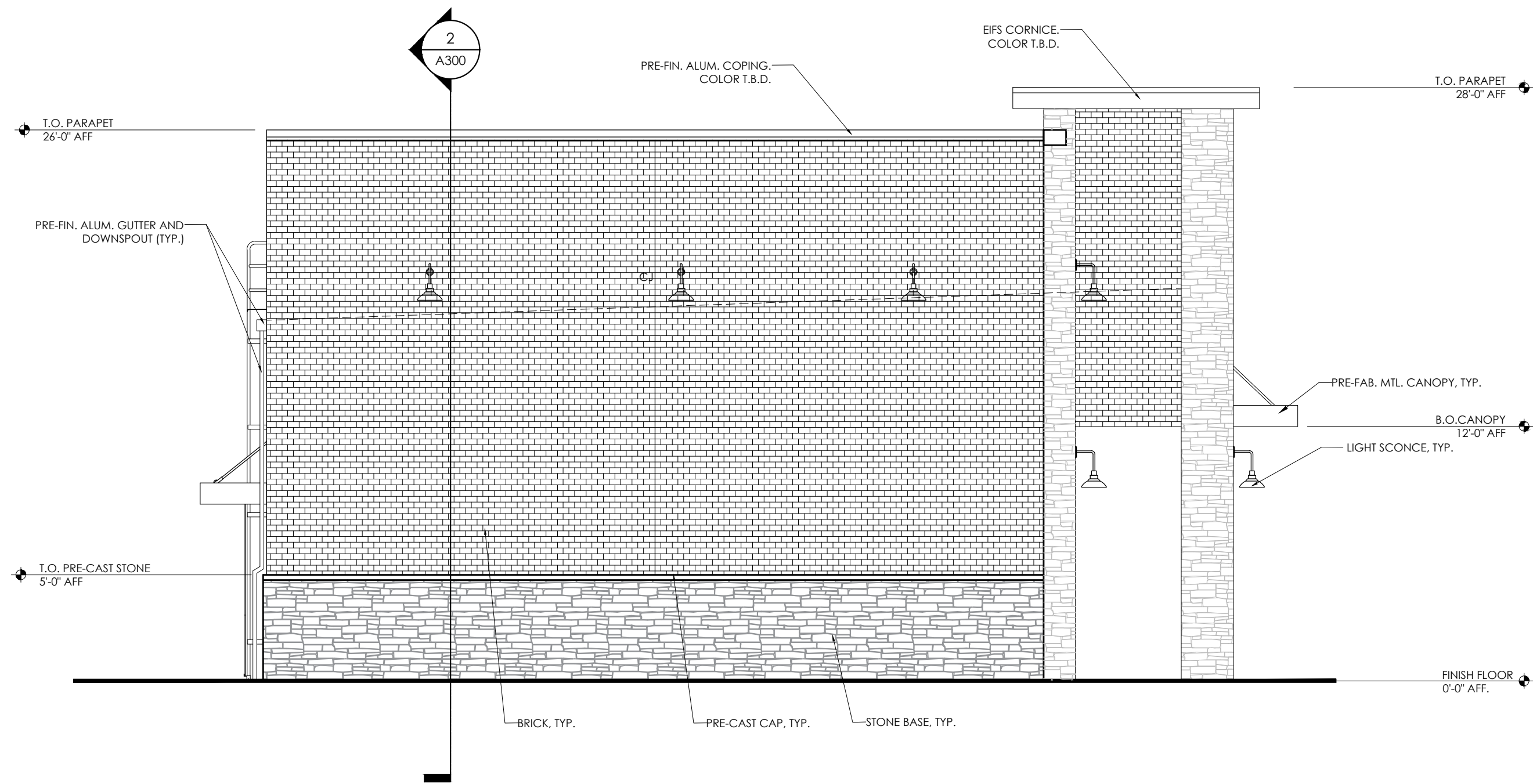
PROJECT NO: 24024

A-105

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2 FRONT ELEVATION
A-200 3/16"=1'-0"

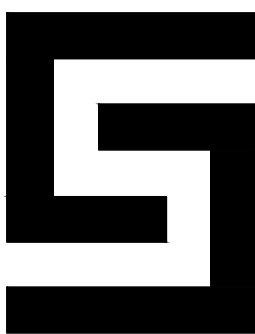


1 LEFT SIDE ELEVATION
A-200 3/16"=1'-0"

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
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CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
04-15-2028	PERMIT SET

DRAWN BY:
CHKD BY:

PROJECT DESCRIPTION:
CONVENIENCE STORE

PROJECT TITLE:

C-STORE
5051 STONEWALL TELL ROAD
UNION CITY GA 30349

SHEET TITLE:

**BUILDING
ELEVATIONS**

PROJECT NO: 24024

A-200

A-201

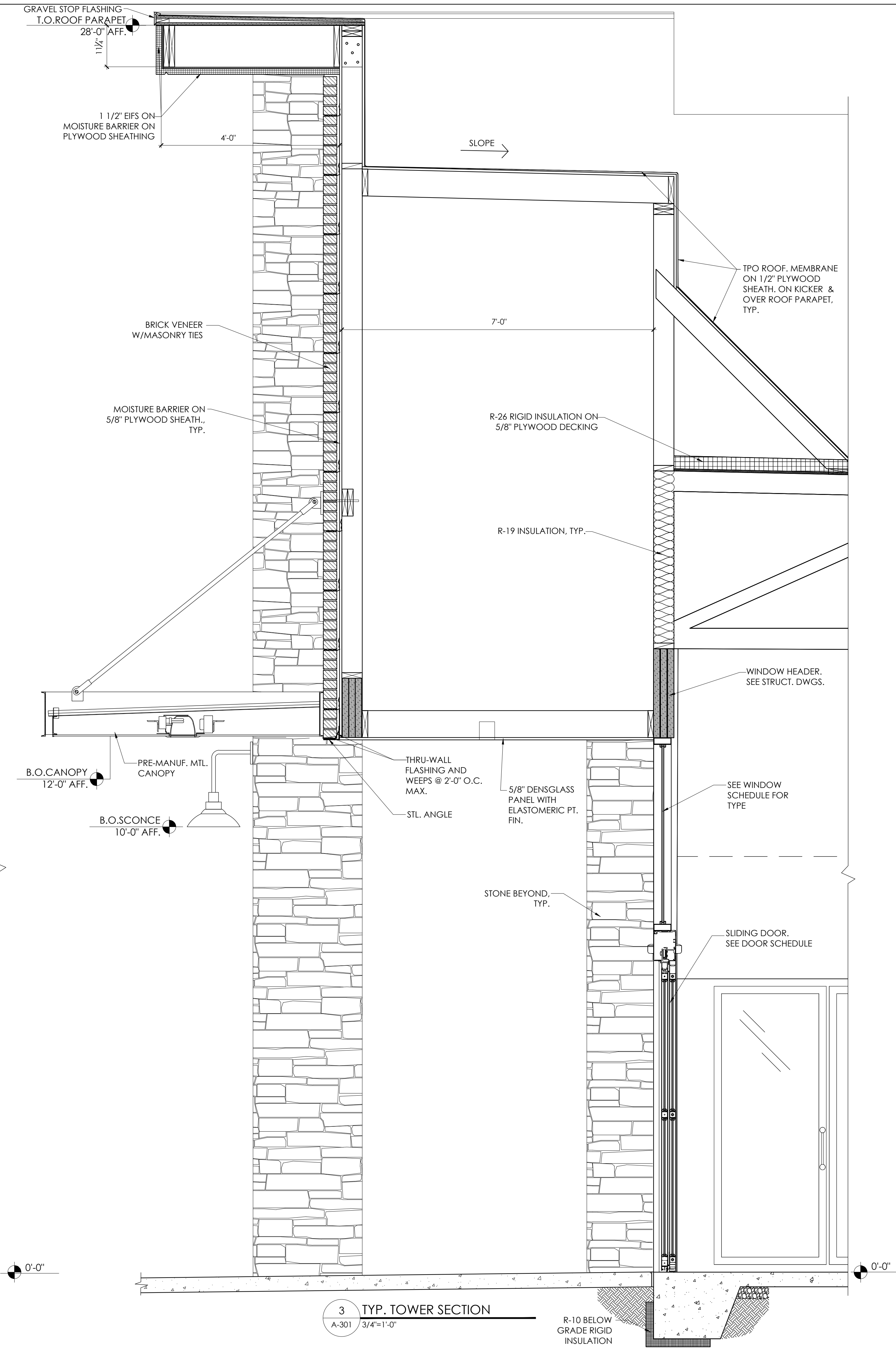
2 RIGHT SIDE ELEVATION
A-201 3/16"=1'-0"

A-201

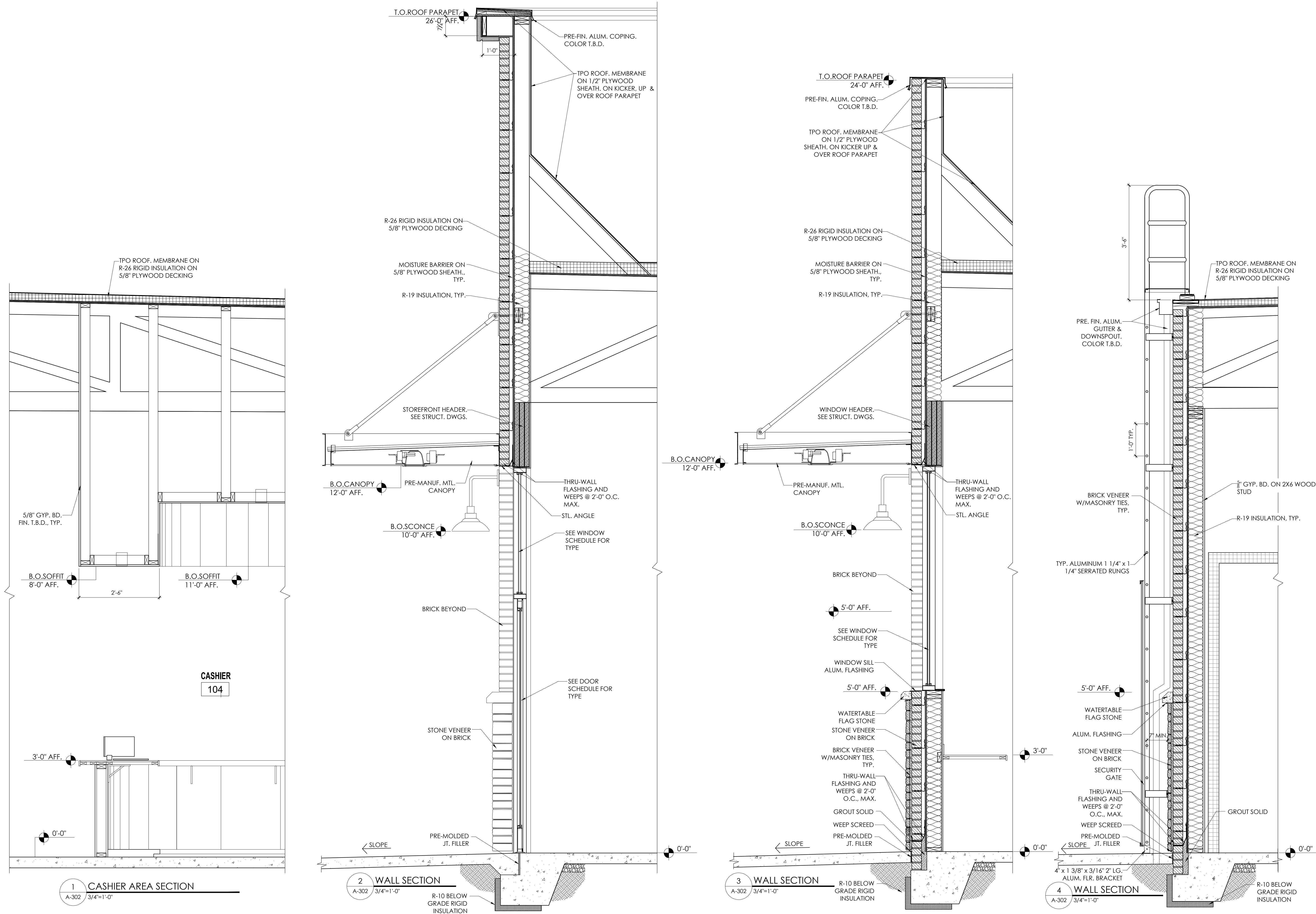
A-300



A-301



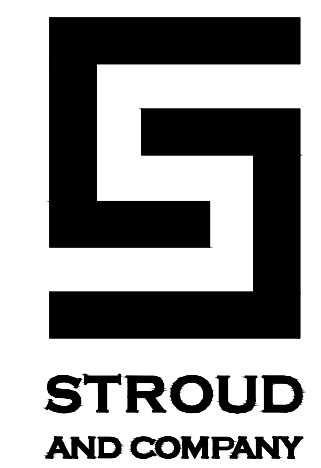
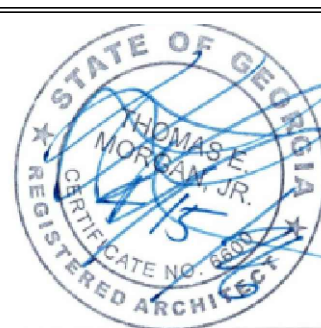
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ARCHITECT OF RECORD:

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www.mrpdesign.com

RELEASED FOR
CONSTRUCTION

ISSUES / REVISIONS:
DATE DESCRIPTION
04-15-2024 PERMIT SET

DRAWN BY:
CHKD BY:

PROJECT DESCRIPTION:
CONVENIENCE STORE

PROJECT TITLE:

C-STORE
5051 STONEWALL TELL ROAD
UNION CITY GA 30349

SHEET TITLE:

WALL
SECTIONS

PROJECT NO: 24024



A-400 $3/8" = 1'-0"$



A-400 $\overline{3/8'' = 1'-0''}$



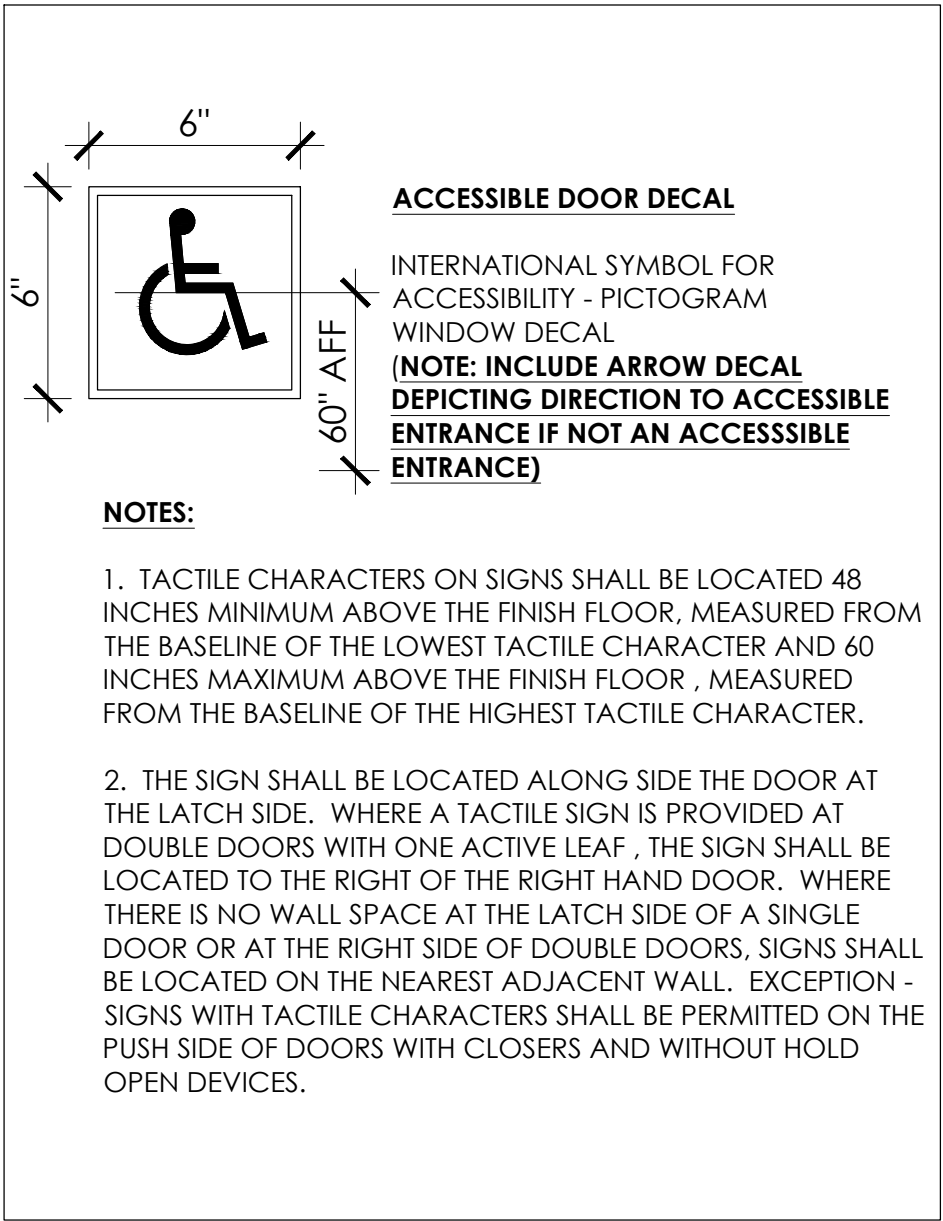
A-400 $3/8" = 1'-0"$



(A-400) $3/8'' = 1'-0''$

7. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE RESTROOM FACILITIES AND AT ALL ACCESSIBLE BUILDING ENTRANCES. ACCESSIBLE ENTRANCES ARE ACCESSIBLE. INACCESSIBLE ENTRANCES SHALL HAVE DIRECTIONAL SIGNS INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE.
8. RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15" ABOVE THE FLOOR. EXCEPTION: HEIGHT LIMITATIONS DO NOT APPLY TO THE LOCATION OF THE RECEPTACLES IN SHOWERS, OR OTHERWISE OR WHERE ELEGANT RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.
9. WHERE EMERGENCY WARNING SYSTEMS ARE PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING ROOF AND PLUMBING, ABOVE THE FLOOR OR 6" BELOW CEILING, WHICHEVER IS LOWER.
10. DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (i.e. LEVER-OPERATED, PUSH-TYPE, U-SHAPED) MOUNTED NO HIGHER THAN 48" ABOVE THE FLOOR.
11. FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP-RESISTANT. CHANGES IN LEVEL BETWEEN 0.25" AND 0.5" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2". CHANGES IN LEVEL GREATER THAN 0.5" SHALL BE GRAB BARS, CARPET TILE THICKNESS SHALL BE 0.5" MAX. GRATINGS IN FLOOR SHALL HAVE SPACES NO GREATER THAN 0.5" WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5" IN HEIGHT.
12. GRAB BARS REQUIRED FOR ACCESSIBILITY SHALL BE 1.25"-1.50" IN DIAMETER WITH 1.5" CLEAR SPACE BETWEEN THE BAR AND THE WALL.
13. WATER CLOSET WALL CLOSETS SHALL BE 17"-19" FROM FLOOR TO THE TOP OF THE SEAT. GRAB BARS SHALL BE 36" LONG MINIMUM WHEN LOCATED BEHIND WATER CLOSET AND 42" MINIMUM WHEN LOCATED ALONG-SIDE OF WATER CLOSET, AND SHALL BE MOUNTED 33"-36" ABOVE THE FLOOR.
14. ACCESSIBLE URINALS SHALL BE STALL-TYPE OR WALL HUNG WITH ELONGATED RIMS AT A MAXIMUM OF 17" ABOVE THE FLOOR.
15. ACCESSIBLE LAVATORIES SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34" ABOVE THE FLOOR AND A CLEARANCE OF AT LEAST 22" ABOVE THE FLOOR TO THE BOTTOM OF THE APRON.
16. ACCESSIBLE SINKS SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34" ABOVE THE FLOOR AND A CLEARANCE AT LEAST 27" HIGH, 30" WIDE, AND 19" DEEP UNDERNEATH SINK. THE SINK DEPTH SHALL BE 6.5" MAXIMUM.
17. HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER
18. ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESSIBLE FAUCETS (LEVER-OPERATED, PUSH-TYPE, ELECTRONICALLY CONTROLLED).
19. WHERE MIRRORS ARE PROVIDED IN RESTROOM, AT LEAST ONE SHALL BE PROVIDED WITH THE BOTTOM EDGE OF THE REFLECTIVE SURFACE NO HIGHER THAN 40" ABOVE THE FLOOR.

A-500

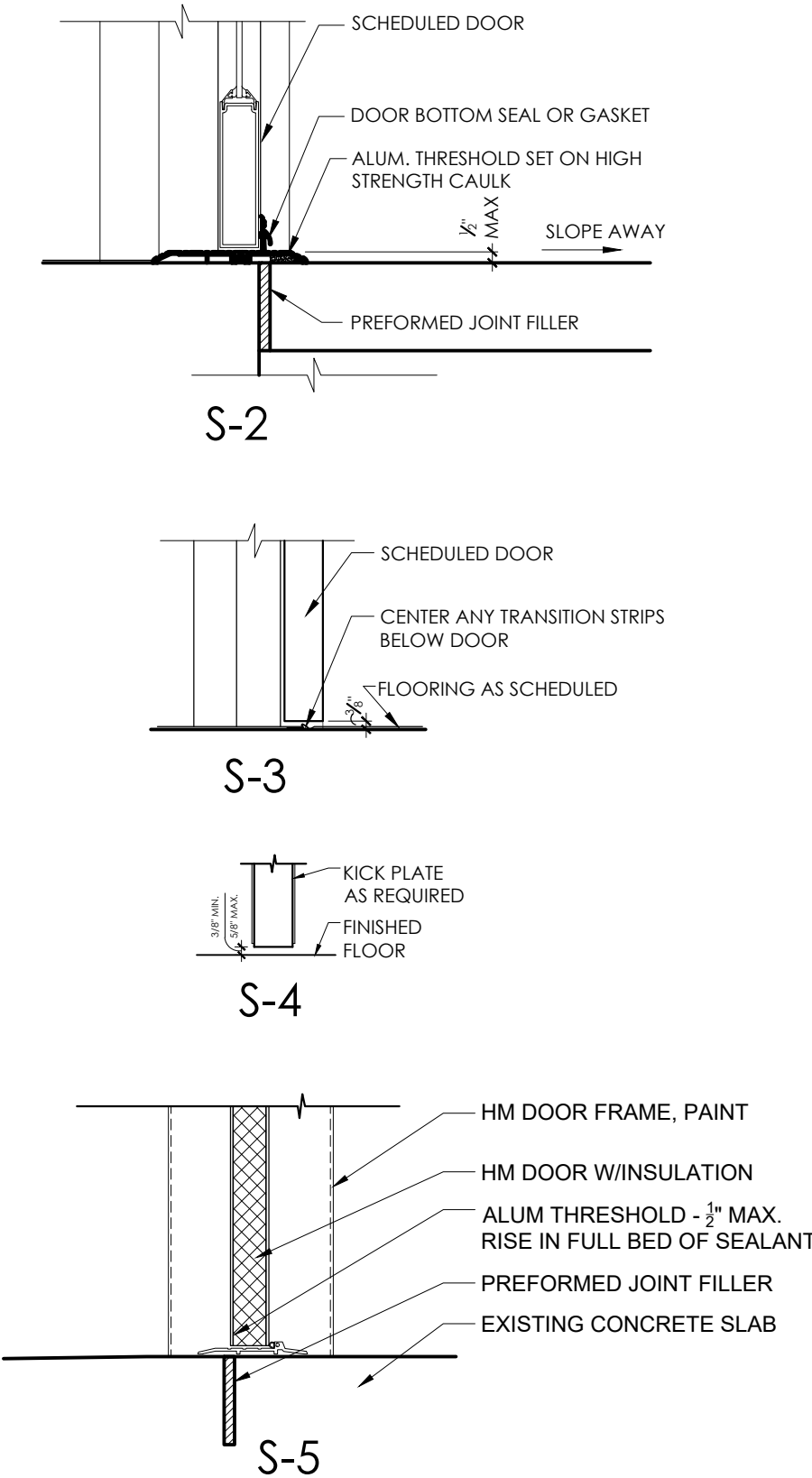


(T) INDICATES TEMPERED GLAZING



TYPE "E"
(NO FRAME REQ'D.)
(CASHIER AREA)

DOOR AND FRAME SCHEDULE														
DESCRIPTION	NO.	D O O R				F R A M E		D E T A I L S			HARDWARE	REMARKS	NO.	
		SIZE	TYPE	MATERIAL	FINISH	MATERIAL	FINISH	HEAD	JAMB	SILL				
STOREFRONT ENTRANCE	(1)	(2) 3'-0" X 7'-0"	A	ALUM.	PREFIN	ALUM.	PREFIN	H1	J1	S1	PER MFG	ALUM. SLIDING DOOR W/ 1" TEMP., INSULATED GLAZING	(1)	
STOREFRONT ENTRANCE	(2)	(2) 3'-0" X 7'-0"	A	ALUM.	PREFIN	ALUM.	PREFIN	H1	J1	S1	PER MFG	ALUM. SLIDING DOOR W/ 1" TEMP., INSULATED GLAZING	(2)	
EXTERIOR DOOR	(3)	3'-0" X 7'-0"	C	H.M.	PRIMED	H.M.	PRIMED	H3	J3	S5	SET 2	GALVANIZED, INSULATED, FACTORY PRIMED H.M. DOOR	(3)	
INTERIOR DOOR	(4)	3'-0" X 7'-0"	D	H.M.	PRIMED	H.M.	PRIMED	H3	J3	S3	SET 5		(4)	
INTERIOR DOOR	(5)	3'-0" X 7'-0"	D	H.M.	PRIMED	H.M.	PRIMED	H3	J3	S3	SET 5		(5)	
INTERIOR DOOR	(6)	3'-0" X 7'-0"	D	H.M.	PRIMED	H.M.	PRIMED	H3	J3	S3	SET 5		(6)	
EXTERIOR DOOR	(7)	3'-0" X 7'-0"	C	H.M.	PRIMED	H.M.	PRIMED	H3	J3	S5	SET 2	GALVANIZED, INSULATED, FACTORY PRIMED H.M. DOOR	(7)	
INTERIOR DOOR	(8)	3'-0" X 7'-0"	D	H.M.	PRIMED	H.M.	PRIMED	H3	J3	S3	SET 4		(8)	
INTERIOR DOOR	(9)	3'-0" X 7'-0"	D	H.M.	PRIMED	H.M.	PRIMED	H3	J3	S3	SET 5		(9)	
INTERIOR DOOR	(10)	3'-0" X 7'-0"	D	H.M.	PRIMED	H.M.	PRIMED	H3	J3	S3	SET 4		(10)	
STOREFRONT ENTRANCE	(11)	(2) 3'-0" X 7'-0"	B	ALUM.	PREFIN	H.M.	PRIMED	H2	J2	S2	SET 1	ALUM. DOOR W/ 1" TEMP., INSULATED GLAZING	(11)	
EXTERIOR DOOR	(12)	3'-0" X 7'-0"	C	H.M.	PRIMED	H.M.	PRIMED	H3	J3	S5	SET 2	GALVANIZED, INSULATED, FACTORY PRIMED H.M. DOOR	(12)	
INTERIOR DOOR	(13)	2'-3" X 3'-0"	E	S.C.W.								SOLID CORE WOOD, FINISH AS COUNTER	(13)	



A-500

GENERAL NOTES:

1. THE GENERAL CONTRACTOR SHALL COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS, INCLUDING THE SIZE AND LOCATION OF MISCELLANEOUS ITEMS AFFECTING THE STRUCTURAL WORK SUCH AS SMALL OPENINGS, PIPE SLEEVES, RECESSES, BENT PLATES, ETC. PROMPTLY NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR OMISSIONS. OPENINGS THROUGH BEAMS, GIRDERS AND/OR COLUMNS SHALL BE VERIFIED BY ENGINEER.

2. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING SITE CONDITIONS PRIOR TO COMMENCING WORK. PROMPTLY NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND THE CONTRACT DOCUMENTS.

3. THE CONTRACTOR SHALL VERIFY ALL FLOOR AND ROOF MOUNTED MECHANICAL EQUIPMENT DIMENSIONS AND WEIGHTS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND REVIEWED SHOP DRAWINGS.

4. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. THE ERECTION PROCEDURE AND SEQUENCE INCLUDING THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, RE-SHORING, TEMPORARY SUPPORTS, ETC., ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

5. DO NOT SCALE DRAWINGS. ALL WORK REQUIRING MEASURING SHALL BE DONE ACCORDING TO FIGURES ON DRAWING. ANY MISSING DIMENSIONS WILL BE FURNISHED UPON REQUEST.

6. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL ALSO APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.

7. THESE GENERAL NOTES APPLY WHERE OTHER PROVISIONS ARE NOT PROVIDED BY THE DRAWINGS, SPECIFICATIONS OR TYPICAL DETAILS. IN CASE OF SPECIAL CONDITIONS INDICATED ON DRAWINGS, THE DRAWINGS SHALL GOVERN OVER THE SPECIFICATIONS.

8. THE CONTRACTOR SHALL PROVIDE ALL CENTERLINE-TO-CENTERLINE DIMENSIONS TO THE STEEL FABRICATOR PRIOR TO SHOP DRAWING SUBMITTAL AND FABRICATION OF STRUCTURAL STEEL.

9. CONSTRUCTION SHALL BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ORDINANCES, AND THE INTERNATIONAL RESIDENTIAL CODE 2012.

DESIGN NOTES

REFERENCED CODES

INTERNATIONAL BUILDING CODE

IBC 2024 + GA AMEND.

MINIMUM DESIGN LOADS

ASCE 7-22

MASONRY STRUCTURES

ASCE 318-25

STRUCTURAL CONCRETE

ASCE 308-22

LIVE LOADS

OCCUPANCY OR USE:

UNIFORM (PSF)

ROOF

20

SNOW LOADS

GROUND SNOW LOAD, P_g

19.0 PSF

IMPORTANCE FACTOR, I_s

1.0

EXPOSURE FACTOR, C_e

1.0

THERMAL FACTOR, C_t

1.19

FLAT ROOF SNOW LOAD, P_f

15.9 PSF

WIND DESIGN CRITERIA

DESIGN SPEED: ULTIMATE (V_{ult})

115MPH

DESIGN BASE SHEAR: (X-Y)

33.5k

DESIGN BASE SHEAR: (Y-Y)

23.0k

RISK CATEGORY:

II

COMPONENTS & CLADDING

WIND PRESSURES:

WIND EXPOSURE (X-X):

B

WIND EXPOSURE (Y-Y):

B

IMPORTANCE FACTOR (I_s):

1.0

NET SERVICE UPLIFT

0.6*(28.2-15) = 7.9 PSF

INTERNAL PRESSURE COEFFICIENT:

±0.18

SEISMIC DESIGN CRITERIA

RISK CATEGORY:

II

SEISMIC IMPORTANCE FACTOR (I_s):

1.0

MAPPED SPECTRAL RESPONSE ACCELERATIONS:

S_{0.2} = 0.300g
S_{0.1} = 0.117g

SITE CLASS:

D

MAPPED SPECTRAL RESPONSE ACCELERATIONS:

S_{0.2} = 0.312g
S_{0.1} = 0.182

DESIGN RESPONSE SPECTRUM:

T_l = 8 sec

SEISMIC DESIGN CATEGORY:

C

SEISMIC-FORCE RESISTING SYSTEM: [X-X AND Y-Y DIRECTION]

LIGHT-FRAME WALLS SHEATHING WITH WOOD STRUCTURAL PANELS

RESPONSE MODIFICATION FACTOR: [X-X AND Y-Y DIRECTION]

R = 6.5

SEISMIC RESPONSE COEFFICIENT:

C_s = 0.0480

DESIGN BASE SHEAR:

V = 9.8k

ANALYSIS PROCEDURE:

EQUVALENT LATERAL FORCE

SPECIAL INSPECTION:

1. REFER TO ATTACHED DOCUMENTS FOR STATEMENT AND SCHEDULE OF SPECIAL INSPECTIONS REQUIREMENTS IN ACCORDANCE WITH IBC SECTION 1704.3.

2. SPECIAL INSPECTION REPORTS AND FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY.

SHOP DRAWINGS SUBMITTALS

COMPLETE SHOP DRAWINGS FOR CONSTRUCTION OF EACH BUILDING COMPONENT NOT DESIGNED BY THE DESIGN TEAM OF RECORD AND NOT SPECIFIED ON THE PROJECT CONSTRUCTION DOCUMENTS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER IN THE STATE OF GEORGIA, DRAWN AND APPROVED BY ALL APPLICABLE

WOOD:

1. ALL CONVENTIONAL TIMBER CONSTRUCTION SHALL CONFORM TO THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY THE AMERICAN FOREST AND PAPER ASSOCIATION. ALL STUDS SHALL BE #2 SPRUCE-PINE-FIR OR BETTER. ALL OTHER TIMBER SHALL BE STRUCTURAL GRADED #2 SOUTHERN PINE OR BETTER UNLESS NOTED OTHERWISE. PLYWOOD CONSTRUCTION SHALL UTILIZE AMERICAN PLYWOOD ASSOCIATION RATED MATERIALS.

2. ALL TIMBER IN CONTACT WITH CONCRETE OR MASONRY WITHIN 6" OF GRADE, OR REMAIN EXPOSED TO WEATHER SHALL BE PRESSURE TREATED #2 SOUTHERN PINE.

3. AT LOAD BEARING WALLS, TOP PLATE SHALL BE DOUBLE. SILL PLATE SHALL BE SINGLE. ALL LOAD BEARING WALLS SHALL BE CONSTRUCTED OF STUDS AND PLATES WITH A MOISTURE CONTENT ≤ 19%.

4. EACH LAYER OF MULTIPLE STUDS SHALL BE NAILED TO ADJACENT STUDS WITH (2)10d NAILS @ 8" O.C. STUD POST SIZE SHALL MATCH STUD WALL SIZE, EXCEPT AS NOTED ON PLAN.

5. ALL WOOD POSTS ARE DESIGNED WITH THE ASSUMPTION THAT SHEATHING (EITHER GYPSUM OR OSB/PLYWOOD) IS ATTACHED TO A MINIMUM OF ONE (1) FACE OF EACH POST CONTINUOUSLY PER THE INDICATED WALL ATTACHMENT SPACING IN THE FINAL CONSTRUCTION. THE CONTRACTOR IS TO PROVIDE TEMPORARY BRACING UNTIL ALL ELEMENTS SHOWN ARE IN PLACE (SEE WOOD NOTES 10/50.0).

6. CUTTING AND NOTCHING OF ALL LOAD BEARING STUDS SHALL NOT EXCEED A DEPTH OF 25% OF THE STUD WIDTH (7/8 FOR 2x4 STUDS). NOTCHES EXCEEDING 25% OF STUD WIDTH AND LESS THAN 2 1/2" SHALL BE REINFORCED WITH A SIMPSON SS STUD SHOE. CONTACT THE STRUCTURAL ENGINEER OF RECORD AT LOCATIONS REQUIRING LARGER NOTCHES. POSTS SHALL NOT BE CUT OR NOTCHED UNLESS SPECIFICALLY NOTED IN THESE DRAWINGS.

7. BORING OF ANY STUD WALL SHALL NOT EXCEED 40% OF STUD WIDTH OR BE CLOSER THAN 3/8" FROM EITHER EDGE OF THE STUD. IF A BORED HOLE IS BETWEEN 40% AND 60% OF THE STUD WIDTH, THE NUMBER OF STUDS AT THE LOCATION OF THE BORED HOLE SHALL BE DOUBLED AND NO MORE THAN TWO SUCCESSIVE STUD GROUPS SHALL BE BORED. POSTS SHALL NOT BE BORED UNLESS SPECIFICALLY NOTED IN THESE DRAWINGS.

8. ROOF SHEATHING SHALL BE 24/16 3/8" MIN. APA RATED SHEATHING U.N.O., LAID WITH FACE GRAIN PERPENDICULAR TO THE FRAMING AND STAGGERED 4'-0". MINIMUM NAILING SHALL BE 8d NAILS @ 6" O.C. ALL UNSUPPORTED EDGES OF PLYWOOD SHEATHING SHALL BE SUPPORTED WITH SIMPSON PSC CLIPS, PROVIDE (2) CLIPS EQUALLY SPACED BETWEEN EACH TRUSS/SUPPORT.

9. SUB-FLOOR SHEATHING SHALL BE 48/24 3/8" APA RATED PLYWOOD U.N.O. GLUED AND NAILED TO JOISTS. MINIMUM NAILING SHALL BE 8d NAILS AT 6" O.C. ON PANEL EDGES AND 12" O.C. AT INTERIOR SUPPORTS.

10. ALL EXTERIOR WALL SHEATHING AND SHEAR PANEL SHEATHING SHALL BE 3/8" PLYWOOD U.N.O. MINIMUM NAILING SHALL BE 8d x 2 1/2" LONG NAILS SPACED 16" O.C. ON PANEL EDGES AND 8" O.C. AT INTERIOR AREAS. CONTRACTOR TO INSPECT ALL NAILING BEFORE EXTERIOR VENEER IS PLACED. DRYWALL NAILING TO BE APPROVED BEFORE TAPING. PROVIDE MINIMUM 2"x2"x1/4" STEEL PLATE WASHER @ EXTERIOR WALL AND SHEAR PANEL ANCHOR BOLTS.

11. ALL LOAD BEARING AND EXTERIOR WALLS SHALL BE AS FOLLOWING (U.N.O.):
1ST FLOOR TO ROOF - 2x6 @ 16" O.C.

12. PLACE (2) STUDS MINIMUM IN WALLS FOR BEARING OF ALL BEAM, HIP, VALLEY MEMBERS U.N.O AS GREATER ON PLANS. EACH LAYER OF GANGED STUDS SHALL BE NAILED TO ADJACENT STUDS WITH 10d NAILS @ 8" O.C. STAGGERED. CONTINUE ALL POSTS DOWN TO FOUNDATION OR TRANSFER BEAMS BELOW.

13. BEAMS DESIGNATED ON THE PLANS AS LVL OR PSL SHALL BE 2.0E LAMINATED VENEER LUMBER AS MANUFACTURED BY TRUS-JOIST, GEORGIA PACIFIC, OR APPROVED ALTERNATE.

14. WOOD ROOF TRUSSES AND OPEN WEB FLOOR JOIST SHALL BE DESIGNED BY THE MANUFACTURER ACCORDING TO THE FOLLOWING PROVISIONS:

a. THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" AND THE "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION" BY THE TRUSS PLATE INSTITUTE APPLY.

b. A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF PROJECT, SHALL PERFORM THE DESIGN. DESIGN SHALL INCLUDE ALL CONNECTIONS AND ATTACHMENTS REQUIRED FOR COMPLETE INSTALLATION USING THE DESIGN LOADS SHOWN ON PLANS.

c. DESIGN CALCULATIONS AND SHOP DRAWINGS, INCLUDING ERECTION PLANS, SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE DURING THE TIMES OF INSPECTION AND SHALL BEAR CLEAR INDICATION THAT THEY HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT STRUCTURAL ENGINEER OF RECORD.

d. ALL REQUIRED BRACING SHALL BE SHOWN ON THE ERECTION PLANS PREPARED BY THE FABRICATOR AND BE IN ACCORDANCE WITH BCSI 1-08 "THE GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING AND BRACING OF METAL PLATE CONNECTED WOOD TRUSSES" AND RELATED SUMMARY SHEETS.

e. TRUSSED RAFTERS SHALL BE ANCHORED TO PLATES WITH SIMPSON TBE CONNECTOR (OR APPROVED EQUAL), AT EACH END OF EACH TRUSS.

f. ALL TRUSS CONNECTOR PLATES SHALL BE MANUFACTURED FROM ASTM A446-72 GRADE A GALVANIZED STEEL OF NO LESS THAN 20 GAGE THICKNESS WITH A MINIMUM YIELD OF 33,000 PSI AND AN ULTIMATE TENSILE STRENGTH OF 45,000 PSI.

g. ALL ROOF TRUSSES ARE TO HAVE METAL STRAPS AT EACH END TO RESIST UPLIFT FORCES. STRAPS ARE TO BE ATTACHED IN ACCORDANCE WITH SUPPLIER SPECIFICATIONS. CONTRACTOR VERIFY THAT THE ROOF CLIPS CALLED OUT ON THE STRUCTURAL DRAWINGS WILL RESIST FORCES CALLED OUT ON THE TRUSS SHOP DRAWINGS AND PROVIDE ADDITIONAL CLIPS IF REQUIRED.

h. FLOOR SYSTEM DEAD LOADS: 15 PSF TOP CHORD, 5 PSF BOTT CHORD

i. ROOF SYSTEM DEAD LOADS: 10 PSF TOP CHORD, 10 PSF BOTT CHORD

j. FLOOR SYSTEM DEFLECTION REQUIREMENTS: TL: L/360, LL: L/480 ROOF SYSTEM DEFLECTION REQUIREMENTS: TL: L/240, LL: L/360

15. DURING CONSTRUCTION, PROVIDE BRACING FOR FRAMING UNTIL ALL ELEMENTS FOR EXTERIOR SHEAR WALLS AND FLOOR DIAPHRAGMS ARE IN PLACE.

16. UNLESS DETAILED SPECIFICALLY OTHERWISE, USE A METAL CONNECTOR AT ALL BEAM & TRUSS SUPPORTS, BEAM TO BEAM, POST TO BEAM, AND POST TO FLOOR CONNECTIONS. USE SIMPSON PRODUCTS, OR AN APPROVED EQUAL, SIZED ACCORDING TO MANUFACTURERS' RECOMMENDATIONS FOR CONNECTION TYPE AND LOADS ENCOUNTERED.

REINFORCING:

1. CONCRETE REINFORCING STEEL SHALL COMPLY WITH THE REQUIREMENTS OF ASTM A615, GRADE 40 FOR #3 BARS AND ASTM A615, GRADE 60 FOR #4 AND LARGER BARS.

2. DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI 315, LATEST EDITION.

3. REINFORCING STEEL SHALL BE SPLICED ONLY AS INDICATED ON THE PLANS. WHEN SPLICE LENGTHS ARE NOT GIVEN ON THE PLANS, THEY SHALL BE TAKEN FROM THE TABLE BELOW. USE "CLASS B" LAPS UNLESS THE PLANS INDICATE "CLASS A".

BAR SIZE	CLASS	"B" SPLICE	CLASS	"A" SPLICE
#3		28"		22"
#4		37"		29"
#5		47"		36"
#6		56"		43"
#7		81"		63"
#8		93"		72"
#9		105"		81"
#10		118"		91"
#11		131"		101"

LAPS SHOWN ABOVE WERE CALCULATED PER ACI 318-11, EQ. 12-1 FOR MATS, WALLS, BEAMS, COLUMNS AND SLABS, VALUES ASSUMED ARE: f_c 3000 PSI, K_{tr}=0, 1" MIN COVER AND 2" MIN CLEAR BETWEEN BARS FOR #4, #5 AND #6 BARS, AND 1 1/2" MIN COVER AND 3" MIN CLEAR BETWEEN BARS FOR #7 THRU #11 BARS. SHORTER LAPS MAY BE CALCULATED FOR SOME SPECIFIC CONDITIONS SUCH AS TIED BEAMS OR ADDITIONAL COVER. LAPS MUST BE INCREASED 50% PER ACI 318-11 FOR EPOXY COATED REBAR, OR 30% FOR LIGHTWEIGHT CONCRETE.

4. HORIZONTAL WALL REINFORCEMENT SHALL BE CONTINUOUS AND HAVE 90-DEGREE BENDS AND EXTENSIONS AT CORNERS AND INTERSECTIONS. PROVIDE TWO #5 BARS AT ALL FOUR SIDES OF EACH OPENING AND EXTEND 2'-0" BEYOND CORNERS OF THE OPENING. ADD TWO #5 BARS 4'-0" LONG AS DIAGONAL BARS AT EACH CORNER. ALL WALLS SHALL HAVE FOLLOWING REINFORCING UNLESS OTHERWISE NOTED:
8" OR LESS - #5 @ 16" O.C. EACH WAY @ WALL CENTERLINE

5. LAPS IN W.W.F. SHOULD BE ONE MESH PLUS TWO INCHES AT SPLICES.

6. PROVIDE EXTRA REINFORCING AROUND ALL OPENINGS, INCLUDING DOOR OPENINGS: TWO #5 BARS AT ALL FOUR SIDES OF EACH OPENING AND EXTEND 2'-0" BEYOND THE CORNERS OF THE OPENING. ADD TWO #5 BARS 4'-0" LONG AS DIAGONAL BARS AT EACH CORNER.

7. TEMPERATURE STEEL FOR SLABS SHALL BE #3 @ 16" O.C. OR WWM PLACED 1" FROM TOP OF SLAB UNLESS SHOWN OTHERWISE. WHERE WWM IS USED, USE PLASTIC MESH 'CHAIRS' SPACED SO THAT NO MORE THAN 3 SQ FEET OF MESH IS SUPPORTED ON EACH 'CHAIR', UNLESS OTHERWISE SPECIFIED

8. ALL BAR HOOKS SHALL BE STANDARD 90-DEGREE HOOKS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

9. SEE SECTION 7.7 OF ACI 318-11 FOR CONDITIONS NOT NOTED.

10. DESIGN OF STRUCTURAL ELEMENTS INCLUDING WALLS, FORMED SLABS, BEAMS AND COLUMNS IS IN ACCORDANCE WITH ACI 318

CONCRETE:

1. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE", EXCEPT AS NOTIFIED BY THE REQUIREMENTS OF THESE STRUCTURAL DRAWINGS.

2. CONCRETE SHALL BE NORMAL WEIGHT AND HAVE A DESIGNATED COMPRESSIVE STRENGTH (f_c) IN 28 DAYS OF 3000 PSI WITH A 4" (±1") SLUMP UNLESS NOTED OTHERWISE.

3. SAWN CONTROL JOINTS IN EXPOSED SLABS, SHALL BE 1/8" WIDE x 1" DEEP AND SHOULD BE CUT (AS SOON AS CONDITIONS ALLOW) WITHIN 12 HOURS AFTER CONCRETE IS PLACED. MAXIMUM "C.J." SPACING SHALL BE 15 FT IN EITHER DIRECTION.

4. SLAB-ON-GRADE NOT OTHERWISE SPECIFIED, SHALL BE 4" THICK MINIMUM WITH 6x6-W2.9xW2.9 WELDED WIRE MESH PLACED 1" FROM TOP OF SLAB. USE PLASTIC MESH 'CHAIRS' SPACED SO THAT NO MORE THAN 3 SQ FEET OF WIRE IS SUPPORTED ON EACH 'CHAIR', UNLESS OTHERWISE SPECIFIED. SLAB SHALL BE PLACED ON 6-MIL VAPOR BARRIER ON 4" OF #57 STONE OR COMPACTED SAND OR CRUSHER RUN. VAPOR BARRIER MAY BE OMITTED FROM DRIVES, WALKS, PATIOS, AND OTHER FLAT WORK NOT LIKELY TO BE ENCLOSED AND HEATED AT A LATER DATE. JOINTS LAPPED NOT LESS THAN 6".

5. CONCRETE COARSE AGGREGATE, WITH A MAXIMUM SIZE OF 1" MAY BE USED IN FOUNDATIONS. ALL OTHER CONCRETE SHALL HAVE A COARSE AGGREGATE WITH A MAXIMUM SIZE OF 3/4".

6. CONCRETE MIXING, TRANSPORTING, PLACING, AND CURING SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF ACI 301. READY-MIXED CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH REQUIREMENTS OF ASTM C94 OR ASTM C685.

7. THE CLEAR DISTANCE BETWEEN REINFORCING BARS, BUNDLED BARS, PRE-STRESSING TENDONS, AND DUCTS SHALL BE IN ACCORDANCE WITH THE LIMITATIONS OF ACI 318.

8. ALL EQUIPMENT FOR MIXING AND TRANSPORTING CONCRETE SHALL BE CLEAN. ALL DEBRIS, WATER AND ICE SHALL BE REMOVED PRIOR TO PLACING CONCRETE. FORMS SHALL BE PROPERLY COATED. MASONRY FILLER UNITS THAT WILL BE IN CONTACT WITH CONCRETE SHALL BE WELL DRENCHED. REINFORCEMENT SHALL BE CLEAN OF ICE OR OTHER DELETERIOUS COATING. ALL LATANCE AND OTHER UNSOUND MATERIAL SHALL BE REMOVED BEFORE ADDITIONAL CONCRETE IS PLACED AGAINST HARDENED CONCRETE.

9. MINIMUM COVER FOR CAST-IN-PLACE CONCRETE REINFORCEMENT:

	MINIMUM COVER (IN)
(a) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3
(b) CONCRETE EXPOSED TO EARTH OR WEATHER: #6 THROUGH #18 BARS #5 BAR, W31 OR D31 WIRE, AND SMALLER	2
(c) CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLAB, WALLS, JOIST: #11 BARS AND SMALLER BEAMS, COLUMNS: PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	3/4 1 1/2

FOUNDATION:

1. FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF. THIS VALUE SHALL BE VERIFIED BY A REGISTERED SOIL ENGINEER PRIOR TO FOUNDATION CONSTRUCTION. IF ACTUAL VALUES VARY BY MORE THAN TEN PERCENT FROM DESIGN BEARING PRESSURE, FOOTINGS SHALL BE REDESIGNED. ALL FOOTINGS ARE TO BE PLACED ON UNDISTURBED ORIGINAL SOIL OR COMPACTED FILL.

2. ALL BACKFILLING SHALL BE ACCOMPLISHED USING MATERIAL CONSISTING OF CRUSHED STONE AND/OR MATERIAL APPROVED BY A REGISTERED SOILS ENGINEER. FILL MATERIAL TAKEN FROM SITE EXCAVATION SHALL HAVE OPTIMUM MOISTURE CONTENT FOR COMPACTION AND BE FREE OF ANY DEBRIS. BACKFILL SHALL BE COMPACTED TO 95% MAXIMUM DENSITY AS DETERMINED BY ASTM D698, IN MAXIMUM LIFTS OF EIGHT INCHES. NO BACKFILL MATERIAL SHALL BE PLACED AGAINST WALLS WITHOUT PROVISIONS FOR ADEQUATE BRACING OF THESE WALLS.

3. FILL MATERIAL SHALL BE ADEQUATELY DRAINED TO PREVENT ANY DAMAGE TO THE BUILDING'S FOUNDATION BY GROUND WATER FLOWS OR SURFACE WATER RUN-OFF.

4. REMOVE ORGANIC MATERIALS AND LARGE ROCKS AND PROVIDE TERMITE TREATMENT PRIOR TO PLACING VAPOR BARRIER AND CONCRETE SLABS.

5. ALL SOIL CONDITIONS ARE SUBJECT TO EVALUATION BY A SOILS ENGINEER PRIOR TO FOUNDATION CONSTRUCTION. SOILS WITHOUT ADEQUATE CAPACITY TO SUPPORT DESIGN LOADS MUST BE REPLACED OR MODIFIED PRIOR TO PROCEEDING WITH CONSTRUCTION.

6. ALL VAPOR BARRIERS TO BE 6 MIL POLYETHYLENE SHEETING UNLESS NOTED OTHERWISE.

7. PATIO SLABS ARE TO BE 4" THICK STANDARD CONCRETE SLABS WITH TURNED DOWN EDGE.

8. ALL WIRE MESH AND REBARS ARE TO BE PLACED ON SUPPORTS PER ACI STANDARDS PRIOR TO POURING CONCRETE.

9. SEE ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHING REQUIREMENT

10. ALL CONCRETE RETAINING WALLS SHALL BE CURED AT LEAST SEVEN DAYS AND ADEQUATELY BRACED PRIOR TO BACKFILLING IN ACCORDANCE WITH APPLICABLE CODES.

MASONRY:

1. USE TYPE 'S' MORTAR CEMENT FOR VERTICAL AND HORIZONTAL JOINTS PER ASTM C 270.

2. ALL MASONRY GROUT SHALL CONFORM WITH ASTM C 478.

3. PROVIDE MASONRY VENEER TIES @ 24" O.C. MAX. HORIZONTALLY,
16" O.C. MAX. VERTICALLY. TIES TO BE EITHER:
-22GA 3/8" WIDE GALVANIZED CORRUGATED TIES
-9GA GALVANIZED WIRE TIES

BRICK LINTEL ELEVATION

MASONRY LINTEL SCHEDULE

CLEAR OPENING	SIZE OF ANGLE
UP TO 5'-0"	1.3x3x3/4"
5'-1" TO 7'-0"	1.5x3x3/4"
7'-1" TO 8'-0"	1.5x3x3/4"
8'-1" TO 10'-0"	1.6x4x3/4"
10'-1" TO 13'-0"	1.8x4x3/4"
13'-1" TO 16'-6"	10x5x3/4" BENT PLATE
16'-7" AND OVER	REQUIRES SPECIAL ANALYSIS

NOTE: LINTELS CARRY MASONRY ONLY. WHERE FLOORS, ROOFS, OR CONCENTRATED LOADS OCCUR, FURTHER ANALYSIS IS NECESSARY. PROVIDE 1" OF BEARING ON EACH END FOR EACH FOOT OF SPAN. MINIMUM BEARING OF 6" ON EACH SIDE OF OPENINGS IS REQUIRED. USE THIS SCHEDULE UNLESS NOTED OTHERWISE. PAINT LINTEL TO MATCH BRICK.

WOOD HEADER SCHEDULE

SPAN LESS THAN	LOAD BEARING WALLS	NON LOAD BEARING WALLS
3'-0"	(2)2x8	(2)2x6
4'-0"	(2)2x10	(2)2x8
5'-0"	(2)2x12	(2)2x8
7'-6"	(2)1 1/2"x9 1/2" LVL	(2)2x8
9'-0"	(2)1 1/2"x11 1/2" LVL	(2)2x8
10'-0"	(2)1 1/2"x11 1/2" LVL	(2)2x10
12'-0"	(2)1 1/2"x14" LVL	(2)2x10
13'-0"	(2)1 1/2"x16" LVL	(2)2x10
14'-0"	(2)1 1/2"x16" LVL	(2)2x12

C&C WIND ZONE DIAGRAMS & PRESSURES

A
S000

WOOD STRUCTURAL PANEL, ROOF SHEATHING + NAILING SCHEDULE

SHEATHING THICKNESS	NAILS	PANEL LOCATION	FASTENING SCHEDULE (INCHES ON CENTER)		
			①	②	③
3/4" OR LESS	8d COMMON	PANEL EDGE ^(a)	6	3 ^(b)	3 ^(b)
		PANEL FIELD	6	6 ^(b)	6 ^(b)
1 1/2" OR GREATER	10d COMMON	PANEL EDGE ^(a)	6	3 ^(b)	3 ^(b)
		PANEL FIELD	6	6 ^(b)	6 ^(b)

NOTES:
(a) EDGE SPACING ALSO APPLIES OVER ROOF FRAMING AT GABLE END WALLS.
(b) USE RING-SHANK NAILS IN THIS ZONE.
(c) ROOF FASTENING ZONES CORRESPOND TO WIND ZONE DIAGRAM SHOWN ON A/S-0.0.

WOOD FASTENING ZONES^(a)

①	②	③

ABBREVIATION (ALPHABETIZED):

A.B. = ANCHOR BOLTS
C.J. = CONTROL JOINT
C.I.P. = CAST IN PLACE
CONC. = CONCRETE
CONT. = CONTINUOUS
E.O.C. = EDGE OF CONCRETE
E.W. = EACH WAY
EXP. = EXPANSION
EXT. = EXTERIOR
F.F.E. = FINISH FLOOR ELEVATION
FLR. = FLOOR
FTG. = FOOTING
GYP. = GYPSUM BOARD
HDR. = HEADER
HORZ. = HORIZONTAL

INT. = INTERIOR
MAX. = MAXIMUM
MIN. = MINIMUM
O.C. = ON CENTER
P.T. = PRESSURE TREATED
REINF. = REINFORCEMENT
SIM. = SIMILAR
S.O.G. = SLAB ON GRADE
SQ. = SQUARE
FLR. = TOP & BOTTOM
T&B = TOP & BOTTOM
U.N. = UNLESS NOTED
U.N.O. = UNLESS NOTED OTHERWISE
VERT.= VERTICAL
W.W.M. = WELDED WIRE MESH

JACK/KING STUD SCHEDULE

STUDS	JACK STUD	KING STUD
(5) GANGED STUDS	(3) STUDS	(2) STUDS
(4) GANGED STUDS	(2) STUDS	(2) STUDS
(3) GANGED STUDS	(2) STUDS	(1) STUD

D
S000

STRUCUTURAL NOTES

1. CRIPPLE STUDS TIGHT TO FIT @ 16" O.C. MAX. ABOVE HEADER

2. KING STUD

3. DOOR OR WINDOW HEADER (SEE SCHEDULE ON S000) HEADER TO HAVE FLAT 2x PLATE ON TOP AND BOTTOM.

4. WALL STUD

5. SINGLE SILL PLATE

6. STUDS TIGHT TO FIT @ 16" O.C. MAX. BELOW WINDOW SILL

STRUCUTURAL NOTES

S000

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4/14/2026

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CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
04-15-2026	PERMIT SET

DRAWN BY:
CHKD BY:

PROJECT DESCRIPTION:
CONVENIENCE STORE

PROJECT TITLE:
C-STORE
5051 STONEWALL TELL ROAD
UNION CITY GA 30349

SHEET TITLE:

PROJECT NO: 24024

S100



S101



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S200

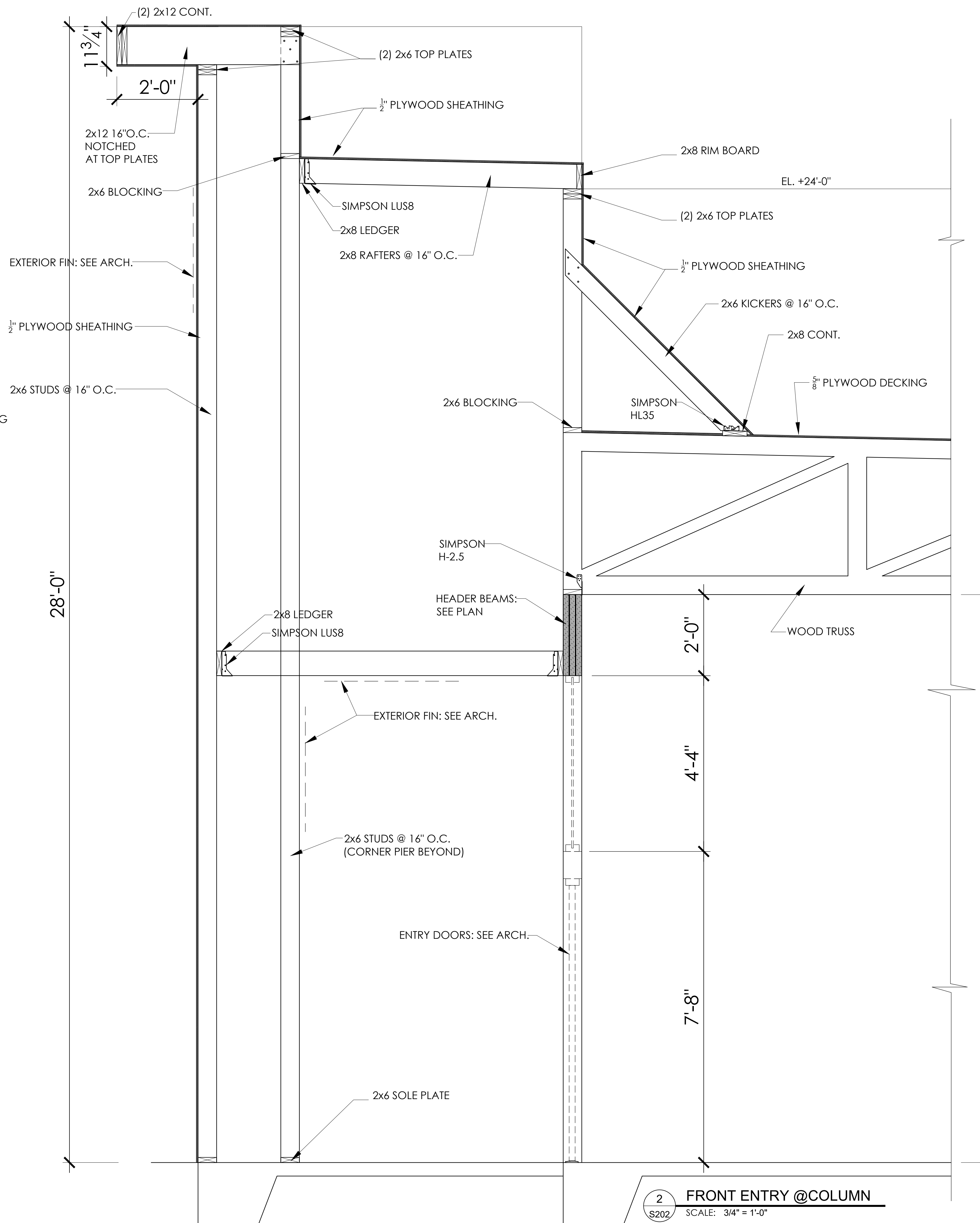
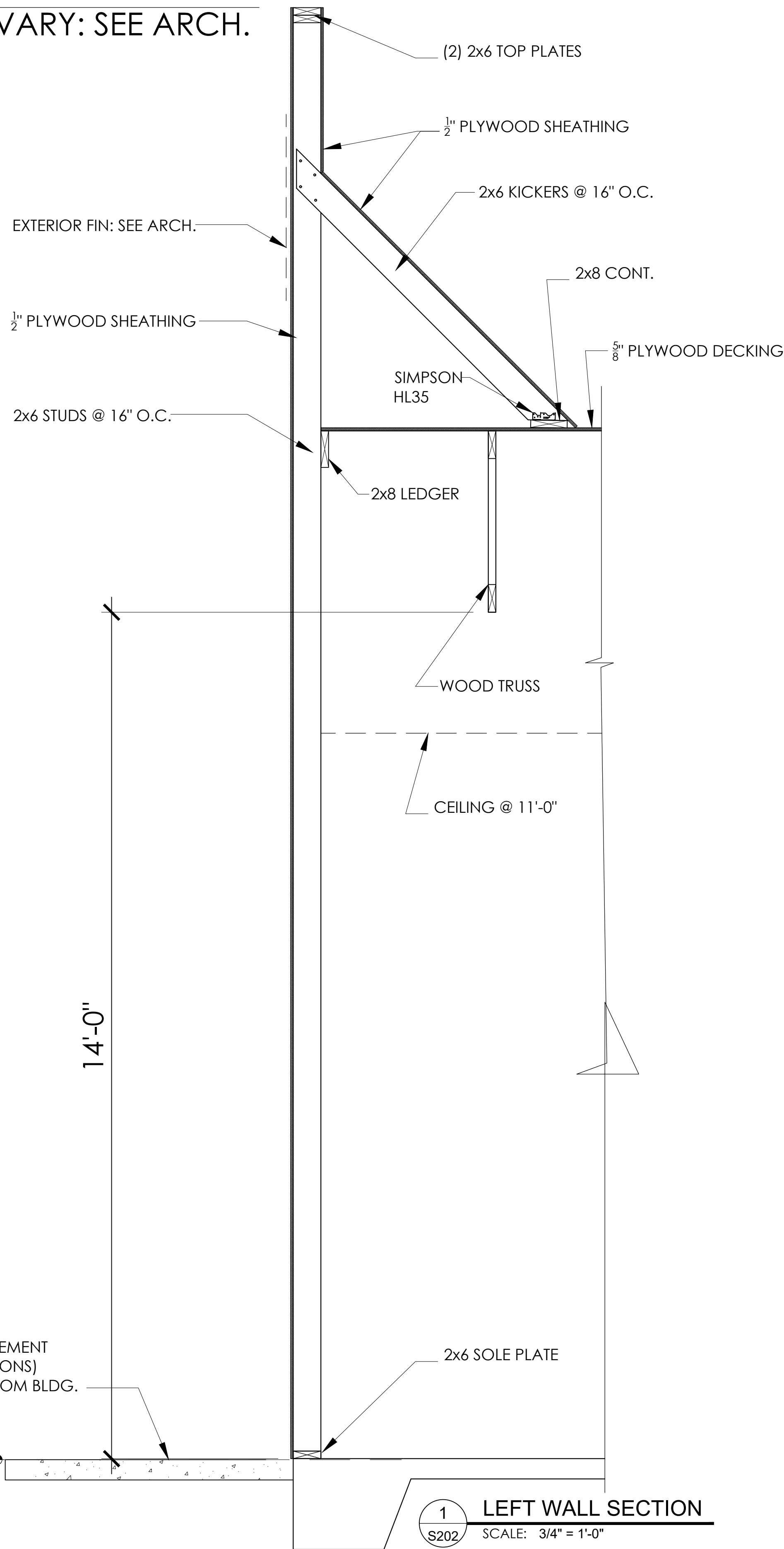


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PARAPET HEIGHTS
VARY: SEE ARCH.

FINISH GRADE OR PAVEMENT
(SEE CIVIL FOR ELEVATIONS)
SLOPE DN. & AWAY FROM BLDG.

ELEV. 0'-0" A.F.F.
TOP OF SLAB



ARCHITECT OF RECORD:

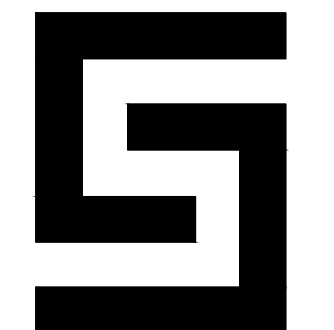
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UNION CITY GA 30349

SHEET TITLE:

WALL

DETAILS

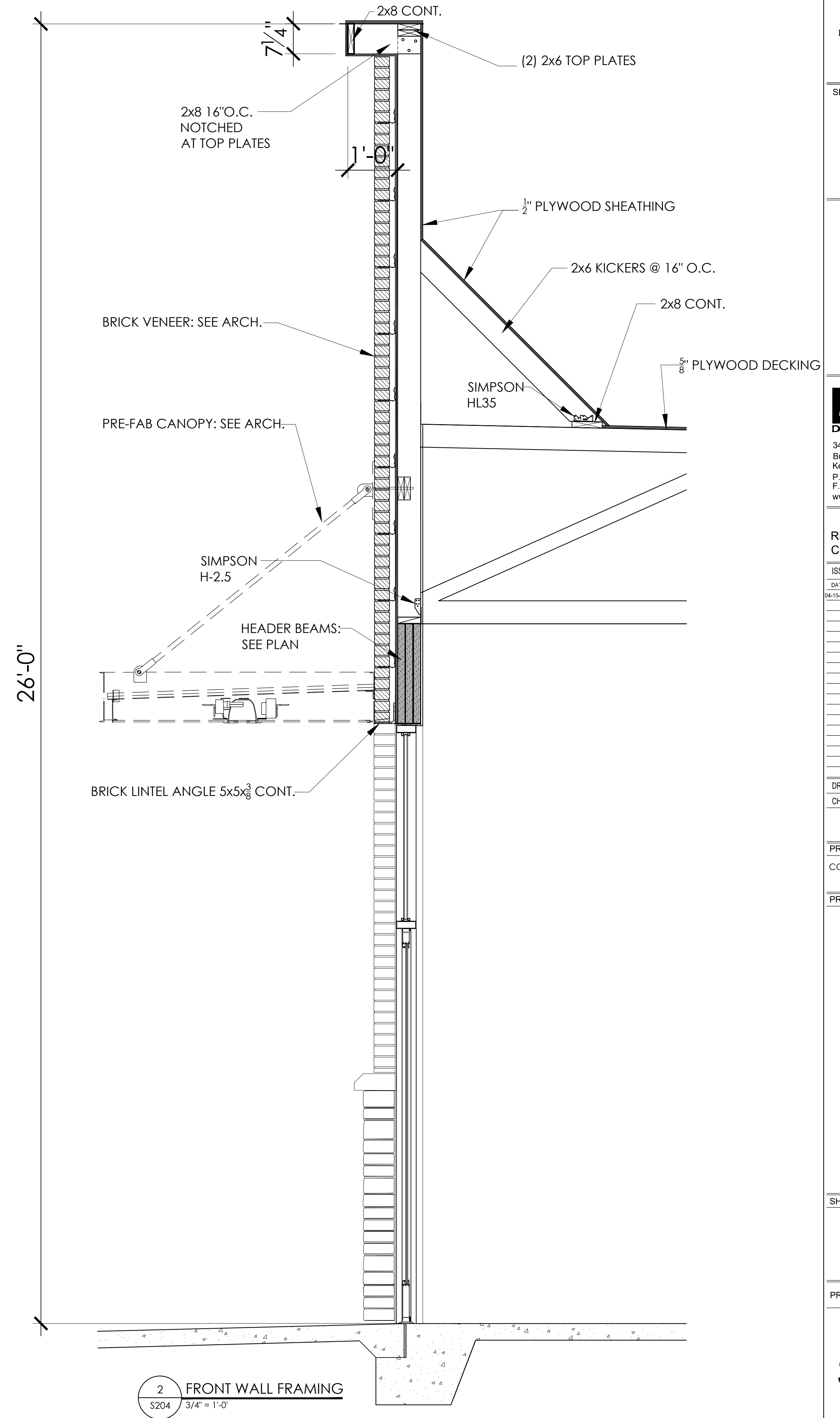
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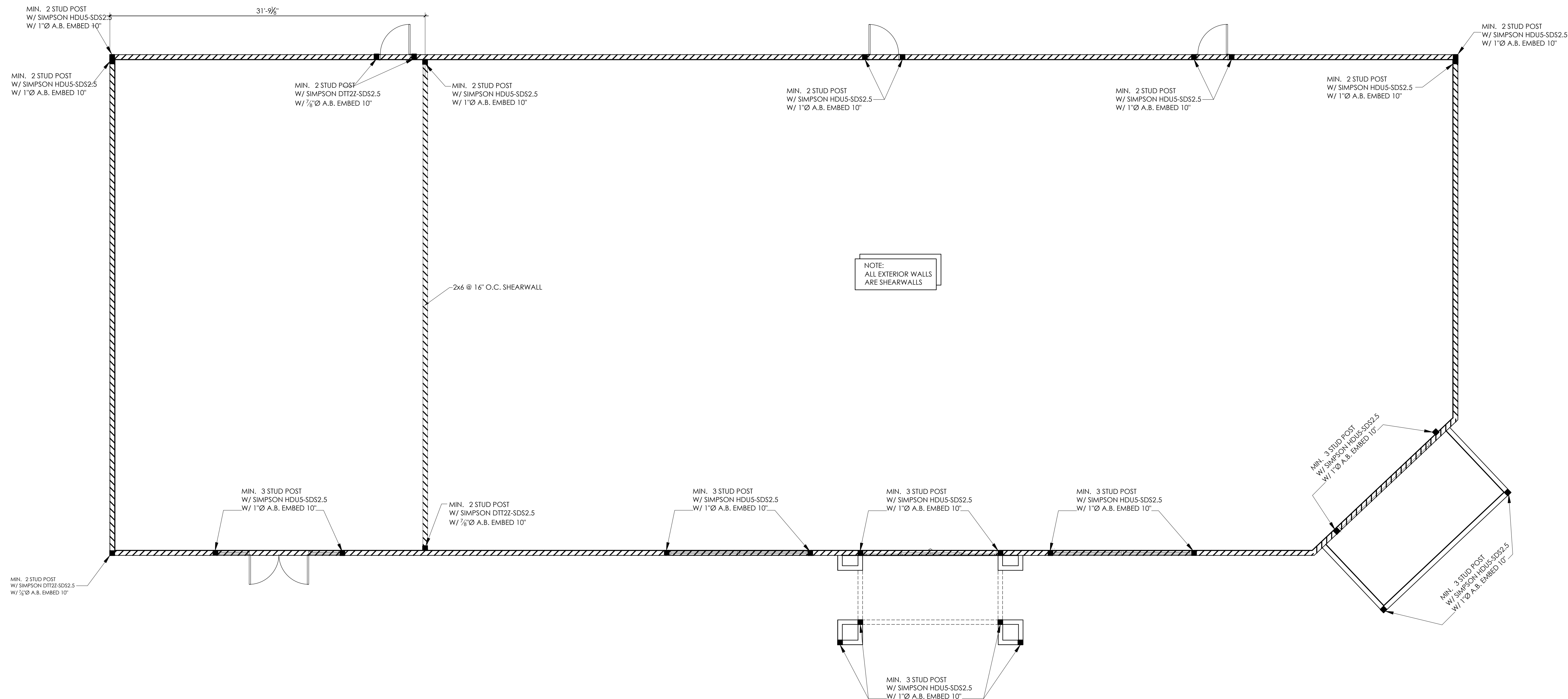
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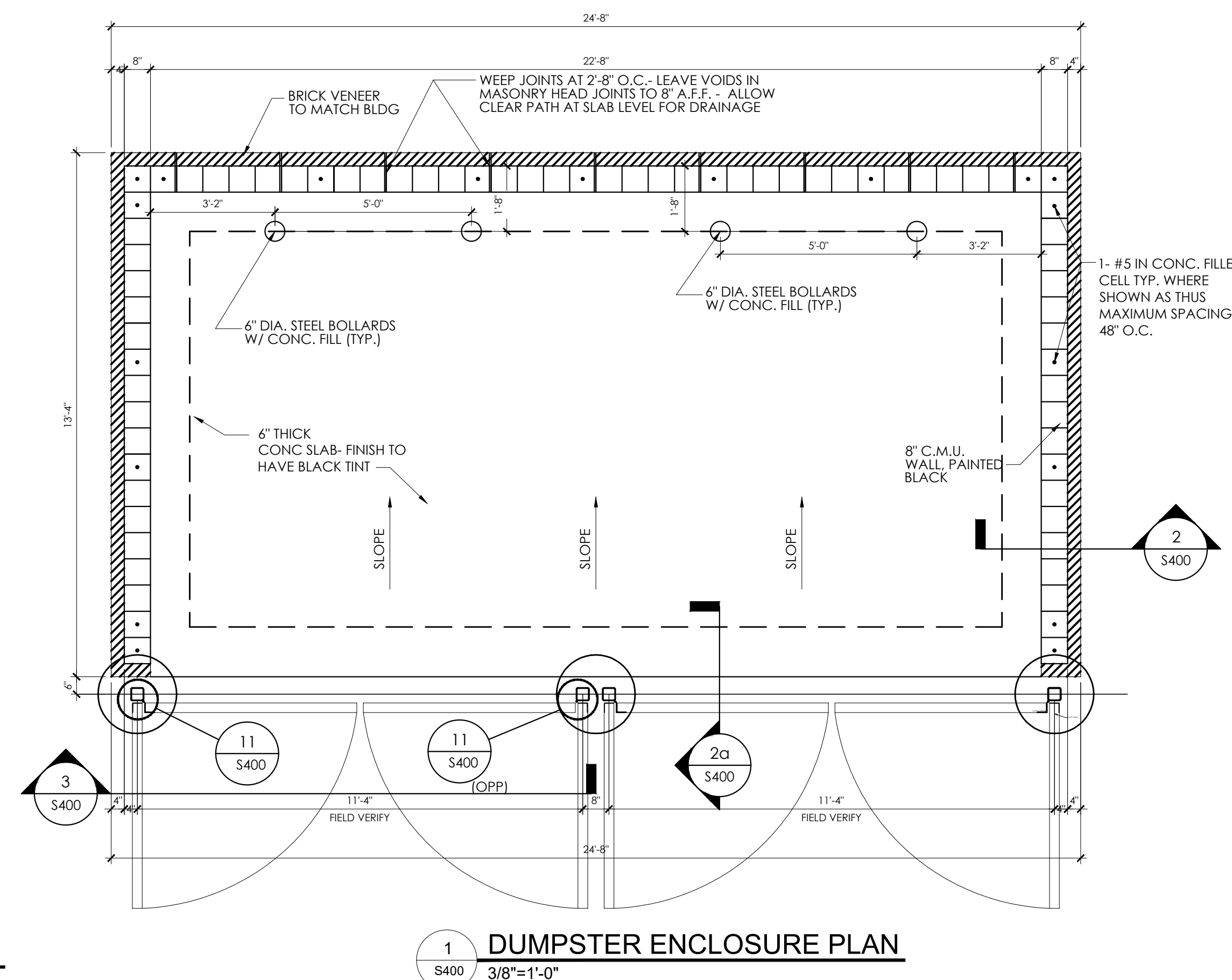
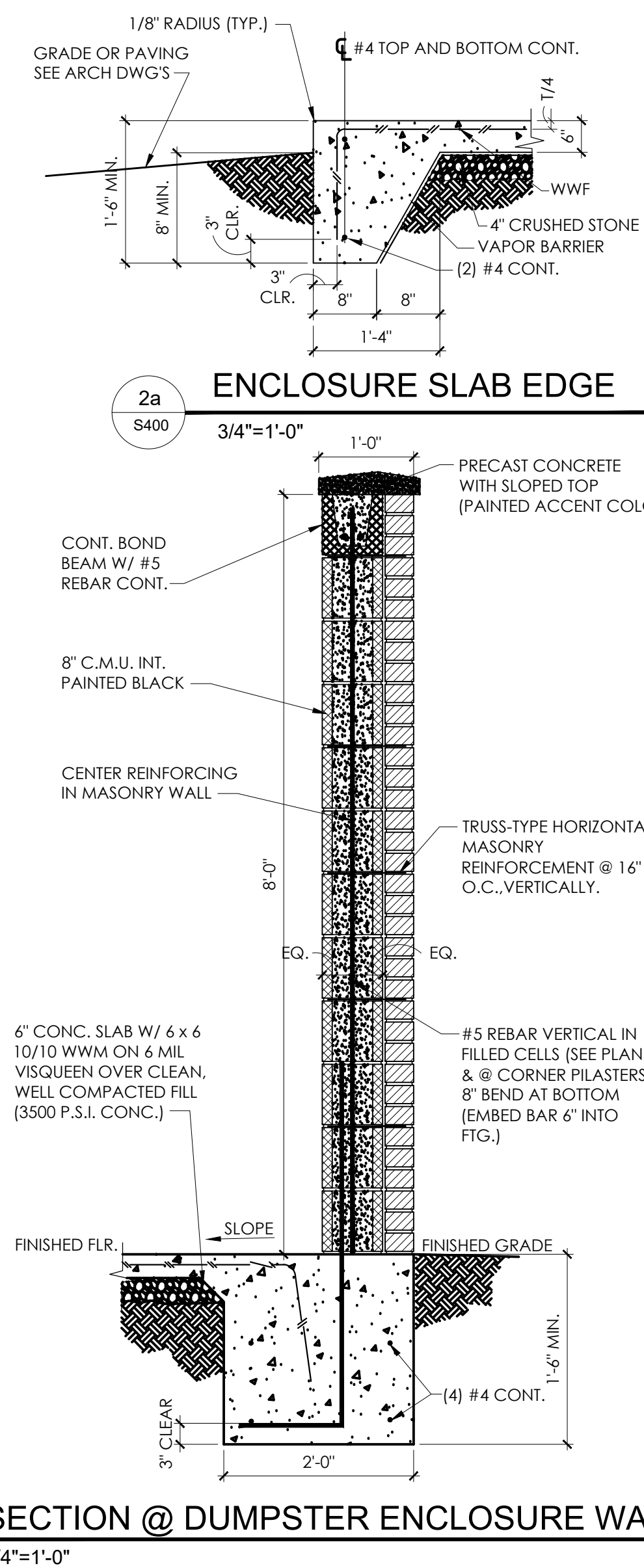
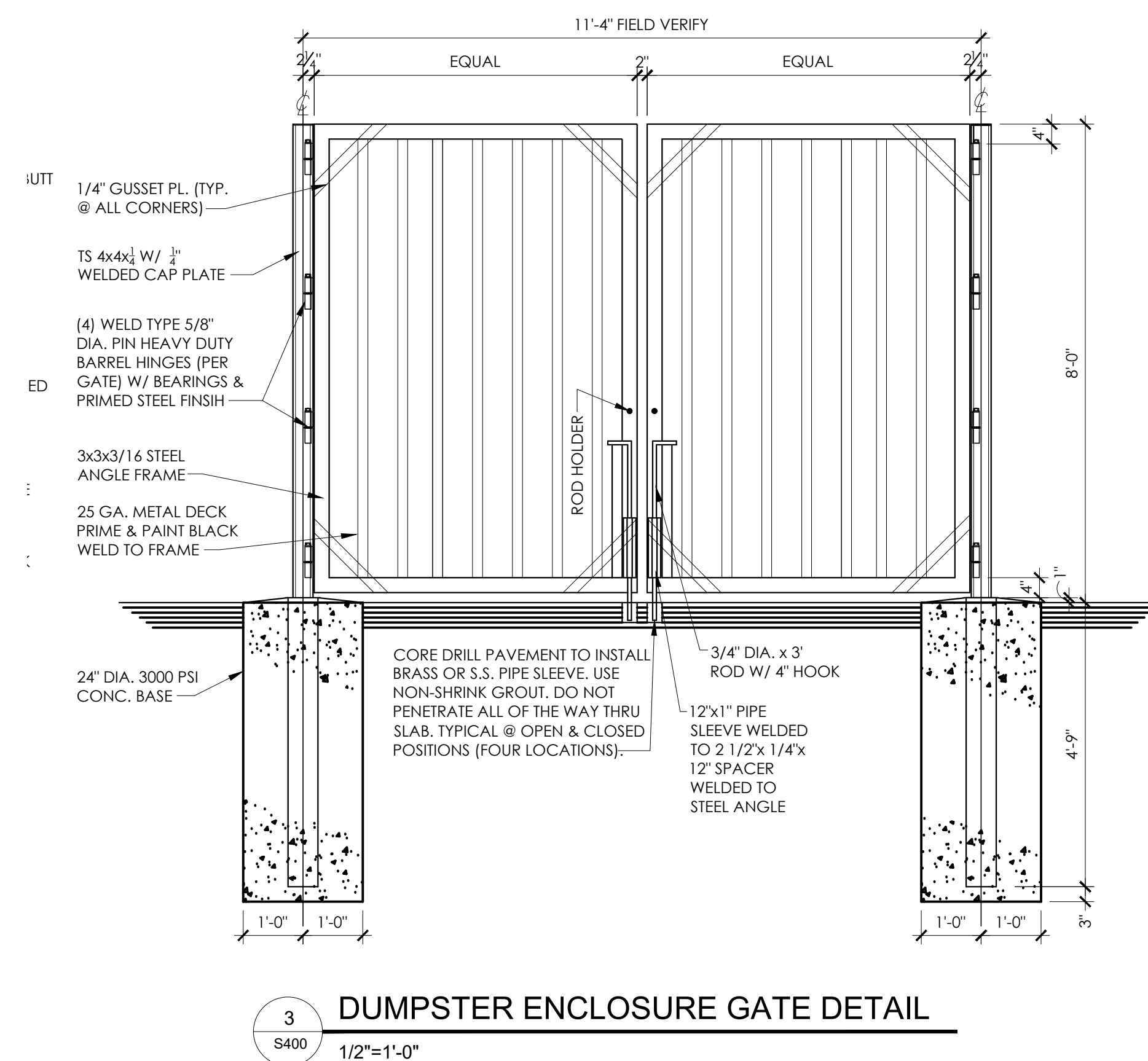
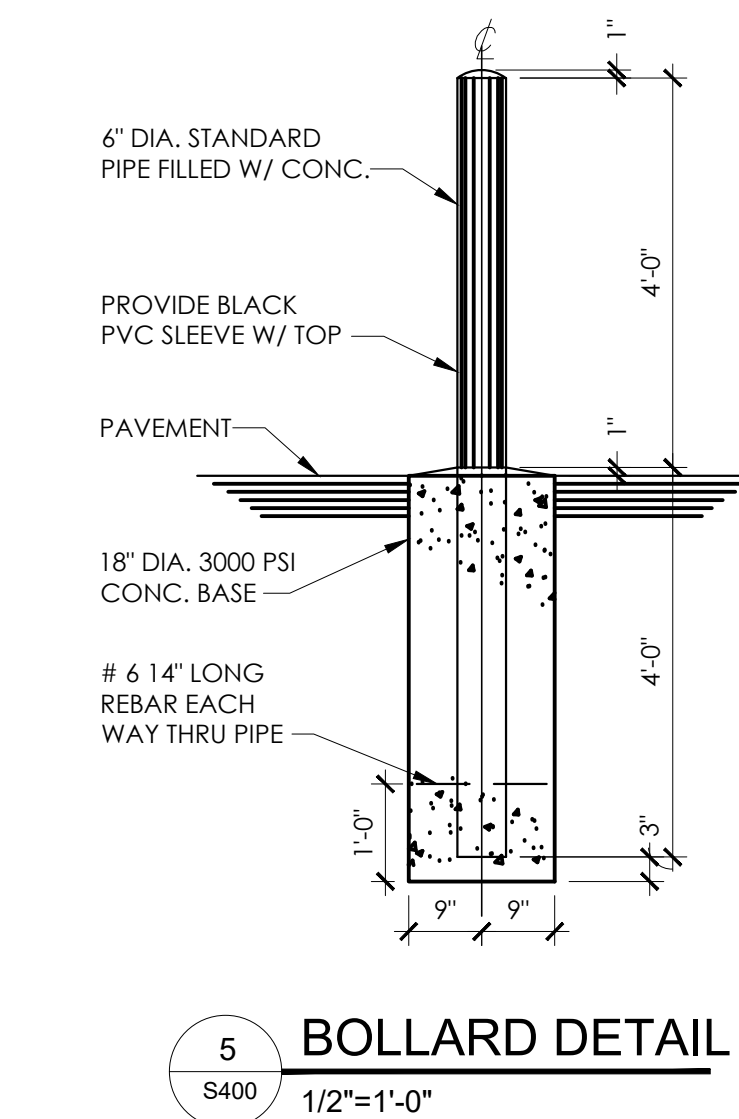
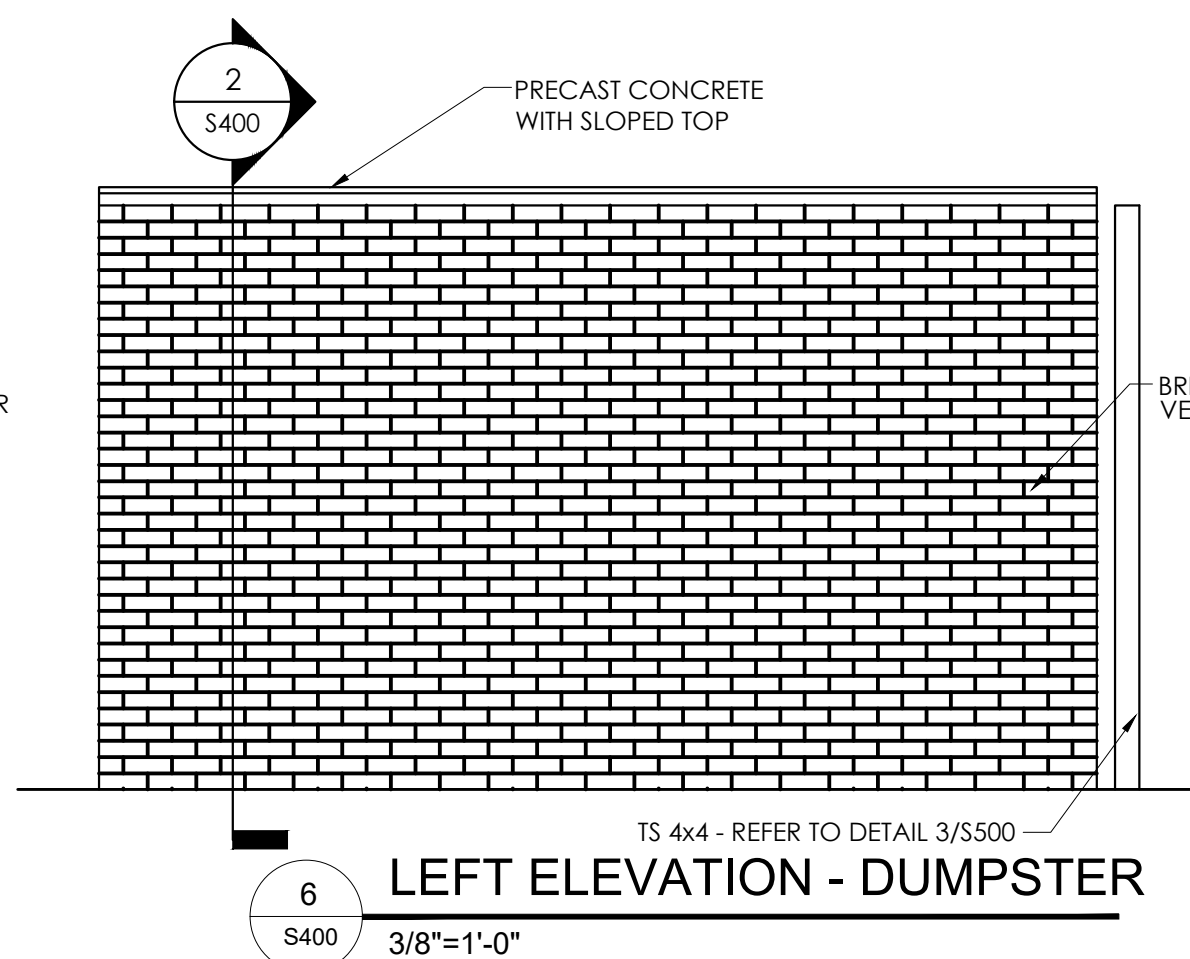
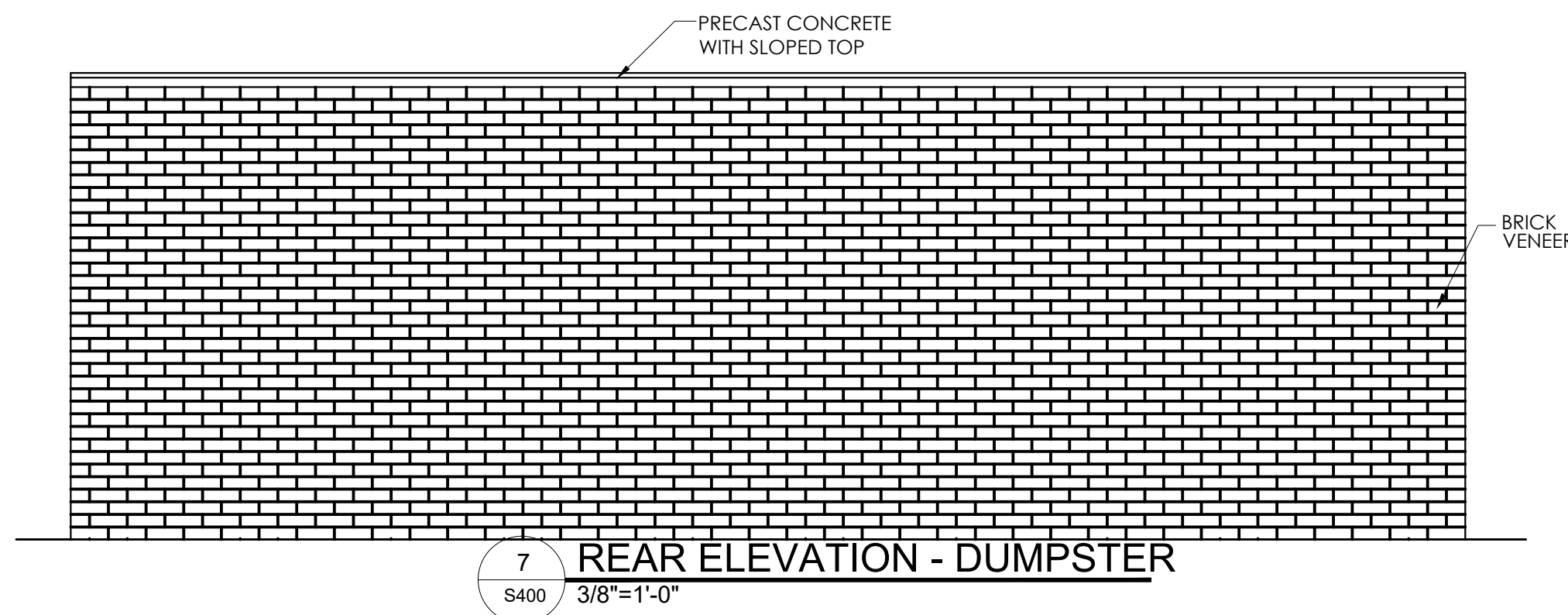
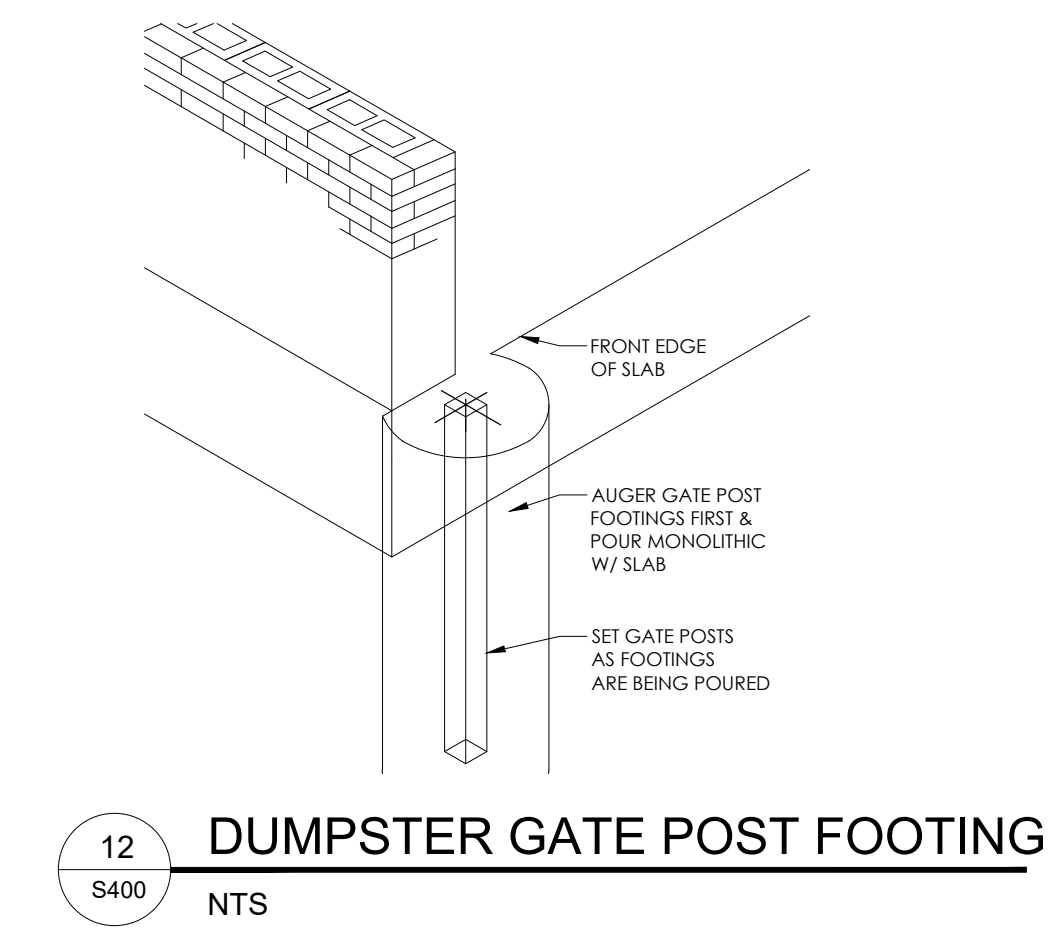
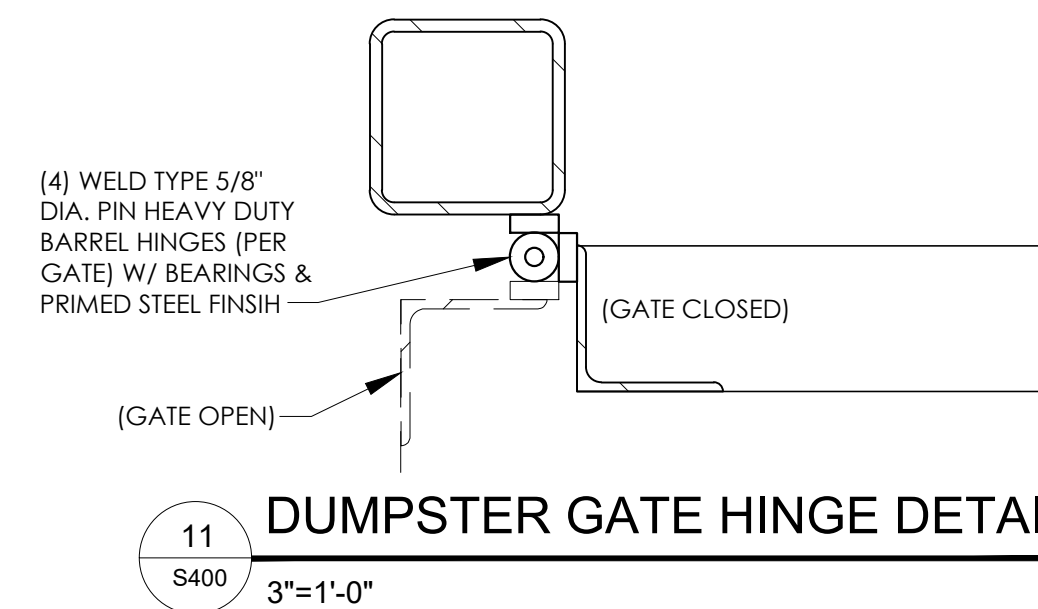
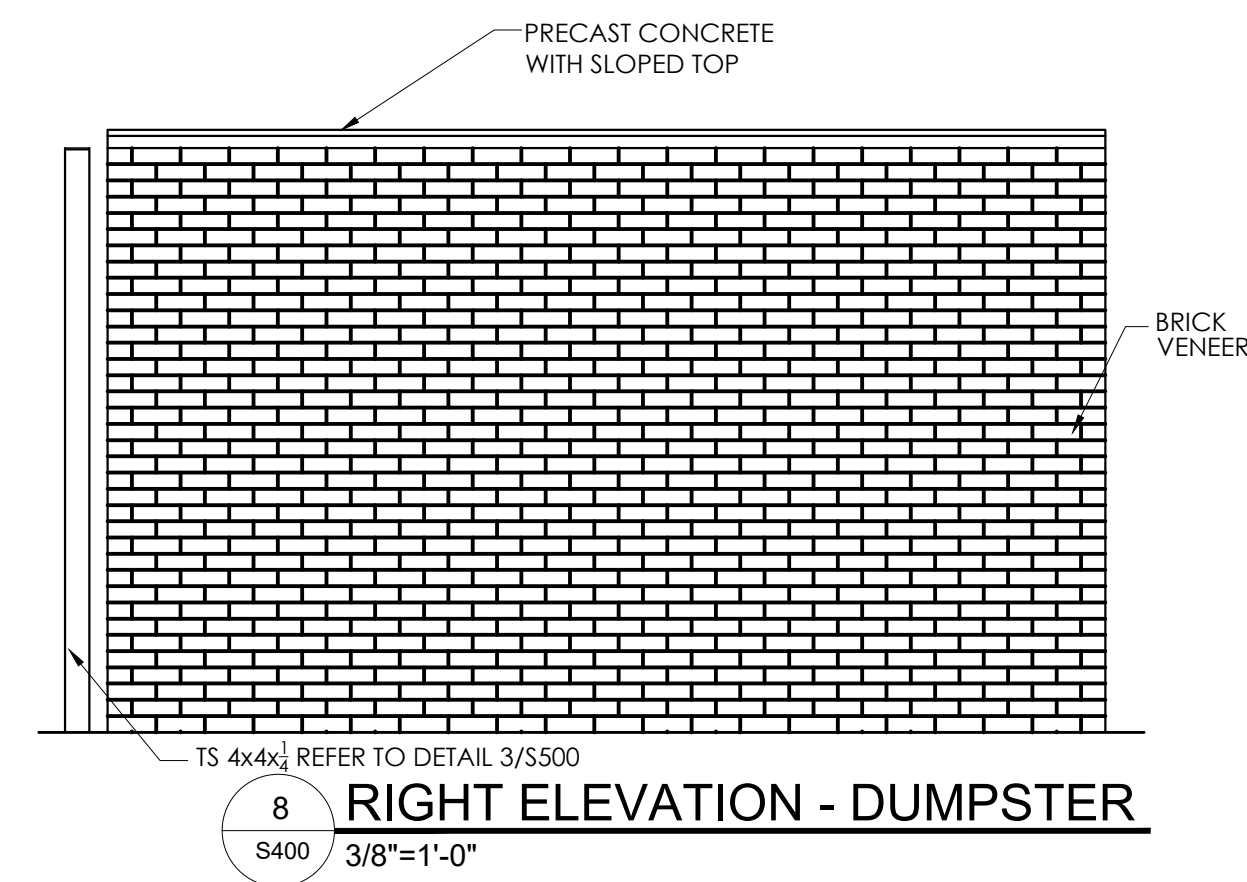
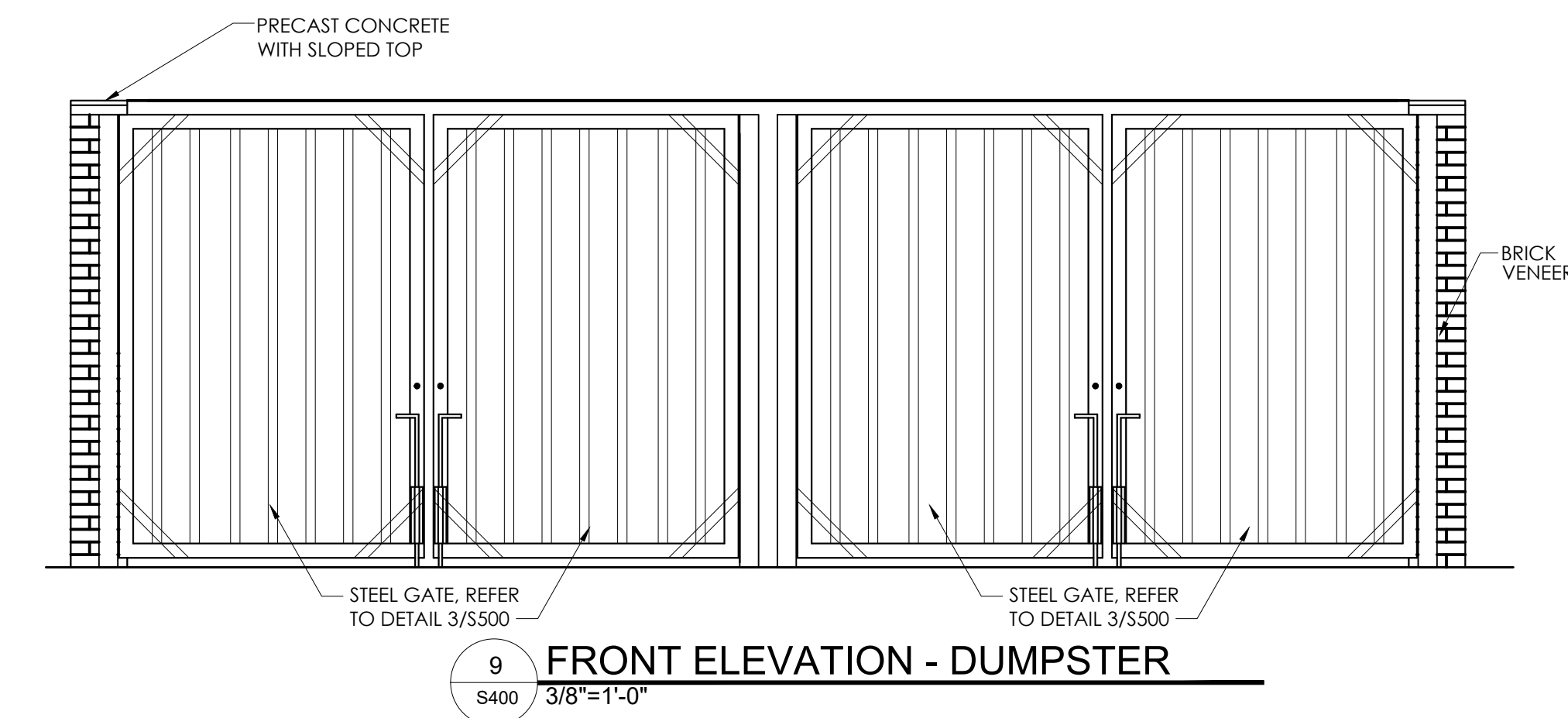


S300



1 SHEARWALL PLAN
S300 $3/16" = 1'-0"$

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REAL: 050



4/14/2026



**STROUD
AND COMPANY**

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RELEASED FOR
CONSTRUCTION

ISSUES / REVISIONS:

[illegible]

DRAWN BY:

WROTE BY:

PROJECT DESCRIPTION:

CONVENIENCE STORE

PROJECT TITLE: _____

C-STORE
5051 STONEWALL TELL ROAD
UNION CITY GA 30349

MEET TITLE:

DUMPSTER
ENCLOSURE

PROJECT NO: 24024

S400

HVAC GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE A COMPLETE AND FUNCTIONAL HEATING, VENTILATING, AND AIR CONDITIONING SYSTEM PER THESE CONTRACT DOCUMENTS.
2. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE INTERNATIONAL MECHANICAL CODE, THE INTERNATIONAL BUILDING CODE, THE STATE ENERGY CODE, NFPA 90A, 101 AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
3. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT.
4. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS.
5. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
6. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE WITH EQUIPMENT CHARACTERISTICS AND ELECTRICAL DRAWINGS.
7. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK. WIRING IN HVAC PLENUM SPACES SHALL BE INSTALLED ACCORDING TO CODE REQUIREMENTS.
8. UNLESS NOTED OTHERWISE, STARTERS, SMOKE DETECTORS, TRANSFORMERS, CONTROLS, AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
9. ALL FANS SUPPLYING MORE THAN 2000 CFM OF AIR TO ANY SPACE AND ALL RECIRCULATING FAN SYSTEMS SERVING AREAS OF EGRESS SHALL BE INSTALLED WITH A SMOKE DETECTOR IN THE SUPPLY DUCTWORK. THE SMOKE DETECTOR SHALL BE WIRED TO STOP THE FAN UPON DETECTION OF SMOKE, AND SIGNAL THE BUILDING FIRE ALARM CONTROL PANEL (IF BUILDING IS SO EQUIPPED). IF THE BUILDING IS NOT PROVIDED WITH A FIRE ALARM SYSTEM, THE SMOKE DETECTOR SHALL CAUSE A VISIBLE AND AUDIBLE ALARM SIGNAL IN A NORMALLY OCCUPIED AREA. SMOKE DETECTOR TROUBLE CONDITIONS SHALL BE INDICATED VISUALLY OR AUDIBLY IN A NORMALLY OCCUPIED AREA AND SHALL BE IDENTIFIED AS AIR DUCT DETECTOR TROUBLE.
10. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
11. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
12. ALL HVAC COMPRESSORS SHALL HAVE EXTENDED 5-YEAR MANUFACTURER'S WARRANTY.
13. SUPPLY, RETURN AND EXHAUST DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AS RECOMMENDED IN SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARDS, LATEST EDITION. ALL JOINTS AND SEAMS IN ALL DUCTWORK SHALL BE SEALED WITH DUCT SEALER.
14. DUCTWORK IN NON-AIR CONDITIONED AREAS SHALL BE INSULATED WITH 2" THICK FIBERGLASS DUCT INSULATION WITH FOIL VAPOR BARRIER, U.L. LISTED, MINIMUM R-8.
15. ALL DUCTWORK SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS.
16. EXPOSED ROUND DUCTWORK SHALL BE MEDIUM PRESSURE SPIRAL TYPE, UNITED SHEET METAL OR EQUAL.
17. FLEXIBLE DUCTWORK SHALL BE FLEXMASTER TYPE 3 OR EQUAL, SAME SIZE AS DIFFUSER NECKS, MAXIMUM 8'-0" LONG. FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE, AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS.
18. ROUND AND FLEXIBLE DUCTWORK SHALL BE CONNECTED TO MAIN DUCTS WITH SPIN-IN FITTINGS WITH AIR EXTRACTORS AND BALANCING DAMPERS.
19. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS.
20. CONDENSATE FROM ALL AIR CONDITIONING EQUIPMENT SHALL BE TRAPPED AND ROUTED TO THE NEAREST APPROVED LOCATION. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC (EXCEPT INSULATED COPPER IN HVAC PLENUMS).
21. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM SHALL BE TESTED, ADJUSTED, AND BALANCED TO DELIVER THE AIR FLOW QUANTITIES SHOWN ON THE DRAWINGS. SUBMIT CERTIFIED TEST AND BALANCE REPORT TO ARCHITECT FOR APPROVAL.
22. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE HVAC WORK SHALL BE REPAIRED TO MATCH NEW AND/OR EXISTING CONDITIONS.
23. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.
24. MOUNT THERMOSTATS 42" AFF UNLESS NOTED OTHERWISE. PROVIDE CLEAR LOCKING COVER ASSEMBLIES FOR ALL THERMOSTATS.
25. ALL ROOFTOP MOUNTED EQUIPMENT SHALL BE INSTALLED LEVEL ON AND ANCHORED TO MINIMUM 14" HIGH INSULATED ROOF CURBS. CONTRACTOR SHALL COORDINATE ROOF SLOPE AND ACTUAL CURB HEIGHTS WITH ARCHITECTURAL DRAWINGS. ALL REFERENCES TO ROOF HEIGHTS REFER TO HEIGHTS ABOVE FINISHED ROOF SURFACE.
26. LOCATIONS OF GRILLES, REGISTERS, & DIFFUSERS SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH LIGHTS, CEILING GRID, ETC.
27. ROOFTOP HVAC UNITS SHALL BE INSTALLED SUCH THAT ROOF DECK IS COMPLETE AND CONTINUOUS UNDER BOTTOMS OF HVAC UNITS, AND SHALL BE CUT ONLY FOR UNIT SUPPLY AND RETURN OPENINGS. SPACE BETWEEN ROOF DECK AND BOTTOM OF ROOFTOP HVAC UNITS (INSIDE OF ROOF CURBS) SHALL BE FILLED WITH HIGH DENSITY ACOUSTICAL INSULATION.

HVAC LEGEND		
SYMBOL	DESCRIPTION	ABBREVIATIONS
---	ABOVE FINISHED FLOOR	AFF
	AIR EXTRACTOR	---
---	BRAKE HORSEPOWER	BHP
---	BOTTOM OF DUCT	BOD
---	BRITISH THERMAL UNIT	BTU
	CEILING DIFFUSER	CD
	CEILING RETURN GRILLE	RAG
	DIFFUSER TYPE "A" BALANCED FOR 200 CFM	A/200
---	DRY BULB	DB
14x12	DUCT SIZE (RECTANGULAR)	---
8"ø	DUCT SIZE (ROUND)	---
---	ENERGY EFFICIENCY RATING	EER
---	ENTERING AIR TEMPERATURE	EAT
	EQUIPMENT NUMBER DESIGNATION (EF-1)	---
---	EXHAUST FAN	EF
---	EXTERNAL STATIC PRESSURE (IN. W.C.)	ESP
---	HORSEPOWER	HP
---	INCHES WATER COLUMN	IN. W.C.
---	KILOWATT	KW
---	LEAVING AIR TEMPERATURE	LAT
	MANUAL VOLUME DAMPER	MVD
---	THOUSAND BTU/HOUR	MBH
	NEGATIVE PRESSURE DUCT OR OUTLET	---
---	OUTSIDE AIR	O/A
---	PACKAGED ROOFTOP UNIT	RTU
	POSITIVE PRESSURE DUCT OR OUTLET	---
	REMOTE TEMPERATURE SENSOR	---
---	RETURN AIR	R/A
	RISE	R
---	SEASONAL ENERGY EFFICIENCY RATING	SEER
	SMOKE DETECTOR	SD
	SPIN IN FITTING W/ DAMPER & FLEX DUCTWORK	---
---	SUPPLY AIR	S/A
---	SUPPLY FAN	SF
	THERMOSTAT	T'STAT
---	UNDERCUT (DOOR) 1"	U/C 1"
---	WET BULB	WB

TAG	MODEL No.	TOTAL CFM	MIN. O.A. CFM	ESP	FAN BHP	MBH TOT. COOL	MBH SEN. COOL	L.A.T. db/wb	SEER	VOLTAGE	HZ./ø	MCA	MOCP	MBH GAS IN	MBH GAS OUT	WEIGHT (LB)	ACCESSORIES
RTU-1	YHC092F3RMA	3000	425	0.6"	0.94	92.0	68.6	58/57	14.5	208-230	60/3	42	50	150	125	1291	1,2,3,4,5,6,7,8,9
RTU-2	YHC092F3RMA	3000	425	0.6"	0.94	92.0	68.6	58/57	14.5	208-230	60/3	42	50	150	125	1291	1,2,3,4,5,6,7,8,9
NOTES: 1. COOLING CAPACITIES ARE BASED ON 80°F db, 67°F wb, 95°F AMBIENT. ACCESSORIES: 1. 14" HIGH INSULATED ROOF CURB, DISCONNECT SWITCH AND 120 VOLT GFI OUTLET. 2. SMOKE DETECTOR IN SUPPLY AIR DUCT. 3. THERMOSTAT AND HUMIDISTAT WITH REMOTE TEMPERATURE SENSOR. 4. HOT GAS RE-HEAT OPTION. 5. FAN SHALL RUN CONTINUOUSLY DURING HOURS OF OCCUPANCY. 6. ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROLS. 7. 2" MERV 8 FILTER. 8. BAROMETRIC RELIEF DAMPER. SELECTIONS ARE BASED ON PRODUCTS BY TRANE. EQUAL PRODUCTS: CARRIER, YORK.																	

TAG	MODEL	DUTY	CFM	E.S.P.	MOTOR SIZE	RPM	DRIVE	WEIGHT (Lb)	ACCESSORIES
EF-1	DX06B	EXHAUST	450	0.25"	1/6 HP	1015	BELT	35	1,2,3,4,5

ACCESSORIES:

1. GRAVITY BACKDRAFT DAMPERS.
2. WIRE FOR CONTINUOUS OPERATION DURING BUILDING OCCUPIED MODE.
3. DISCONNECT SWITCH.
4. 14" HIGH INSULATED ROOF CURB.
5. BIRD SCREEN.

SELECTIONS ARE BASED ON PRODUCTS BY PENN.
 EQUAL PRODUCTS: GREENHECK, CARNES, JENNAIRE, COOK, AMMERIAN.

TAG	SERIES	CFM	DUTY	NECK	SIZE	DAMPER	MATERIAL	DESCRIPTION
A	TMS-AA	SEE DWGS	SUPPLY	SEE DWGS	24x24	YES	ALUMINUM	1
B	TMR-AA	200-300	SUPPLY	10"ø	18"ø	YES	ALUMINUM	2
C	50F	SEE DWGS	RETURN	22x22	24x24	NO	ALUMINUM	3
D	50F	50-100	EXHAUST	6x6	8x8	NO	ALUMINUM	3

NOTES:

- A. REFER TO ARCHITECTURAL DRAWINGS FOR TYPE OF CEILING AND/OR SUSPENSION SYSTEM.
- B. FINISH SHALL BE OF THE TYPE AND COLOR SELECTED BY ARCHITECT. SUBMIT FINISH CHART WITH SHOP DRAWINGS.

DESCRIPTION:

1. LOWER FACE, HIGH PERFORMANCE, ROUND NECK, SQUARE DIFFUSER.
2. LOUVERED ROUND SUPPLY AIR GRILLE.
3. 1/2" x 1/2" x 1/2" EGGRATE RETURN / EXHAUST GRILLE.

SELECTIONS ARE BASED ON PRODUCTS BY TITUS.
EQUAL PRODUCTS: KRUEGER, CARNES, METAL-AIRE & PRICE.

OUTSIDE AIR / EXHAUST VENTILATION COMPLIANCE										
UNIT NUMBER	AREA CLASSIFICATION	AREA (SQ. FT.)	NO. OF PEOPLE PER 1000 SQ. FT. (TABLE 403.3)	PEOPLE QUANTITY	AIRFLOW PER PERSON (TABLE 403.3)	AIRFLOW PER SQ. FT. (TABLE 403.3)	TOTAL OUTSIDE AIR REQUIRED (CFM)	OUTSIDE AIR PROVIDED (CFM)	EXHAUST AIR REQUIRED (CFM) ^{1,2}	EXHAUST AIR PROVIDED (CFM)
RTU-1 & 2	SALES/FLOOR	2580	15	38	7.5	0.12	600		–	–
	GAMING	165	–	5	7.5	0.12	57		–	–
	CASHIER	185	–	3	7.5	0.12	45		–	–
	CORRIDOR	152	–	–	–	0.06	9		–	–
	PREP	470	–	5	7.5	0.12	94		–	–
	STORAGE/UTILITY	174	–	–	–	0.06	10	850		–
EF-1	RESTROOM	427	–	–	–	–			350	450
TOTALS							815	850	350	450

NOTES:

1. CALCULATIONS BASED ON INTERNATIONAL MECHANICAL CODE TABLE 403.3.
2. PER TABLE 403.3 FOOTNOTE "E" 50 CFM PER FIXTURE, CONTINUOUS EXHAUST.

M000

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COMcheck Software Version COMcheckWeb

Mechanical Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: UNION CITY GA C-STORE
Location: Union City, Georgia
Climate Zone: 3a
Project Type: New Construction

Construction Site: 5051 STONEWALL TELL RD.
UNION CITY, Georgia 30349
Owner/Agent: DAN LEONARD
STROUD AND COMPANY
Georgia
Designer/Contractor: THOMAS E. MORGAN
MRP Design Group
3450 Acworth Due West Rd NW
KENNESAW, Georgia 30144
770-917-9172
jattanasio@mrpdesign.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Enhanced Interior Lighting Controls, 1.0 credit

Mechanical Systems List

Quantity	System Type & Description
2	HVAC System (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 150 kBtu/h Proposed Efficiency = 83.00% Et, Required Efficiency: 80.00 % Et or 78% AFUE Cooling: 1 each - Single Package DX Unit, Capacity = 92 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 12.50 EER, Required Efficiency = 11.00 EER Proposed Part Load Efficiency = 14.50 IEER, Required Part Load Efficiency = 12.60 IEER
1	Water Heater: Gas Storage Water Heater, Capacity: 50 gallons, Input Rating: 100 kBtu/h w/ Circulation Pump Proposed Efficiency: 90.00 % Et, Required Efficiency: 80.00 % Et

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2015 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

JOSEPHAN EDWARDS, PE
Name - Title Signature Date 4/8/16

Project Title: UNION CITY GA C-STORE Report date: 04/08/26
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COMcheck Software Version COMcheckWeb

Inspection Checklist

Energy Code: 2015 IECC

Requirements: 64.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR1] ¹	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C103.2 [PR2] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C103.2 [PR3] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment and document where exceptions to the standard are claimed. Hot water system sized per manufacturer's sizing guide.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C402.4.1 [PR10] ¹	The vertical fenestration area <= 30 percent of the gross above-grade wall area.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C402.4.1 [PR11] ¹	The skylight area <= 3 percent of the gross roof area.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C402.4.2 [PR14] ¹	In enclosed spaces > 2,500 ft ² directly under a roof with ceiling heights >15 ft. and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non-refrigerated warehouse, retail store, distribution/sorting area, transportation, or workshop, the following requirements apply: (a) the daylight zone under skylights is >= half the floor area; (b) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 1 percent.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
Project Title: UNION CITY GA C-STORE Report date: 04/08/26
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Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C406 [PR9] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
Project Title: UNION CITY GA C-STORE Report date: 04/08/26
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Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6] ¹	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C404.6.1, C404.6.2 [PL3] ¹	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C404.6.3 [PL7] ¹	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C404.7 [PL8] ¹	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
Project Title: UNION CITY GA C-STORE Report date: 04/08/26
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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41] ¹	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C402.5.5, C403.2.4.3 [ME3] ¹	Stair and elevator shaft vents have motorized dampers that automatically close.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.12.1 [ME65] ¹	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met. <i>See the Mechanical Systems list for values.</i>
C403.2.12.3 [ME117] ²	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Single fans with motor nameplate horsepower = 5 hp.
C403.2.13 [ME71] ²	Unenclosed spaces that are heated use only radiant heat.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.2.4.7 [ME113] ²	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.6.1 [ME59] ¹	Demand control ventilation provided for spaces >500 ft ² and >25 people/1,000 ft ² occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Systems with design outdoor air of less than 1200 cfm.
C403.2.6.2 [ME115] ¹	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.2.7 [ME57] ¹	Exhaust air energy recovery on systems meeting Table C403.2.7(1) and C403.2.7(2).	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Where the largest exhaust source is less than 75% of the design outdoor airflow.
C403.2.8 [ME116] ³	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.2.9 [ME60] ²	HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.9 [ME10] ²	Ducts and plenums sealed based on static pressure and location.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
Project Title: UNION CITY GA C-STORE Report date: 04/08/26
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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.2.9.1.3 [ME11] ¹	Ductwork operating >3 in. water column requires air leakage testing.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.3 [ME62] ¹	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.3.2 [ME16] ¹	Economizer operation will not increase heating energy use during normal operation.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.4.4.6 [ME110] ¹	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply. <i>See the Mechanical Systems list for values.</i>
C404.2.1 [ME111] ²	Gas-fired water-heating equipment installed in new buildings: where a singular piece of water-heating equipment >= 1,000 kBtu/h serves the entire building, thermal efficiency >= 90 Et. Where multiple pieces of water-heating equipment serve the building with combined rating >= 1,000 kBtu/h, the combined input-capacity-weighted-average thermal efficiency >= 90 Et. Exclude input rating of equipment in individual dwelling units and equipment <= 100 kBtu/h.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C408.2.2.1 [ME53] ¹	Air outlets and zone terminal devices have means for air balancing.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.5, C403.5.1, C403.5.2 [ME123] ³	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2..	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
Project Title: UNION CITY GA C-STORE Report date: 04/08/26
Data filename: Page 12 of 15

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

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RELEASED FOR
CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
03/30/26	FOR REVIEW / COORDINATION
04/15/26	FOR PERMIT / CONSTRUCTION

DRAWN BY: JWE

CHKD BY: JWE

PROJECT DESCRIPTION:

CONVENIENCE STORE

PROJECT TITLE:

C-STORE
5051 STONEWALL TELL ROAD
UNION CITY GA 30349

SHEET TITLE:

COMCHECK REPORT
HVAC & PLUMBING

PROJECT NO: 24024

M001

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
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RELEASED FOR
CONSTRUCTION

DATE	DESCRIPTION
3/30/26	FOR REVIEW / COORDINATION
1/15/26	FOR PERMIT / CONSTRUCTION

[illegible]

DRAWN BY: JWE

CHK'D BY: JWE

PROJECT DESCRIPTION:

CONVENIENCE STORE

PROJECT TITLE:

C-STORE
5051 STONEWALL TELL ROAD
UNION CITY GA 30349

SHEET TITLE:

COMCHECK REPORT HVAC & PLUMBING

PROJECT NO: 24024

M002

Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C403.3 C408.2.5.3 [F18] ¹	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C402.5.3 [F15] ¹	Where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening are located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms are sealed and insulated.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C402.5.6 [F37] ¹	Weatherseals installed on all loading dock cargo doors.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C402.5.8 [F26] ¹	Recessed luminaires in thermal envelope to limit infiltration and be IC rated and labeled. Seal between interior finish and luminaire housing.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.2 [F27] ³	HVAC systems and equipment capacity does not exceed calculated loads.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.4.1 [F47] ¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.4.1.2 [F38] ¹	Thermostatic controls have a 5 °F deadband.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.4.1.3 [F20] ¹	Temperature controls have setpoint overlap restrictions.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.4.2 [F39] ¹	Each zone equipped with setback controls using automatic time clock or programmable control system.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.4.2.1, C403.2.4.2.2 [F40] ¹	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C404.3 [F11] ¹	Heat traps installed on supply and discharge piping of non-circulating systems.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Project Title: UNION CITY GA C-STORE Report date: 04/08/26
Data filename: Page 14 of 15

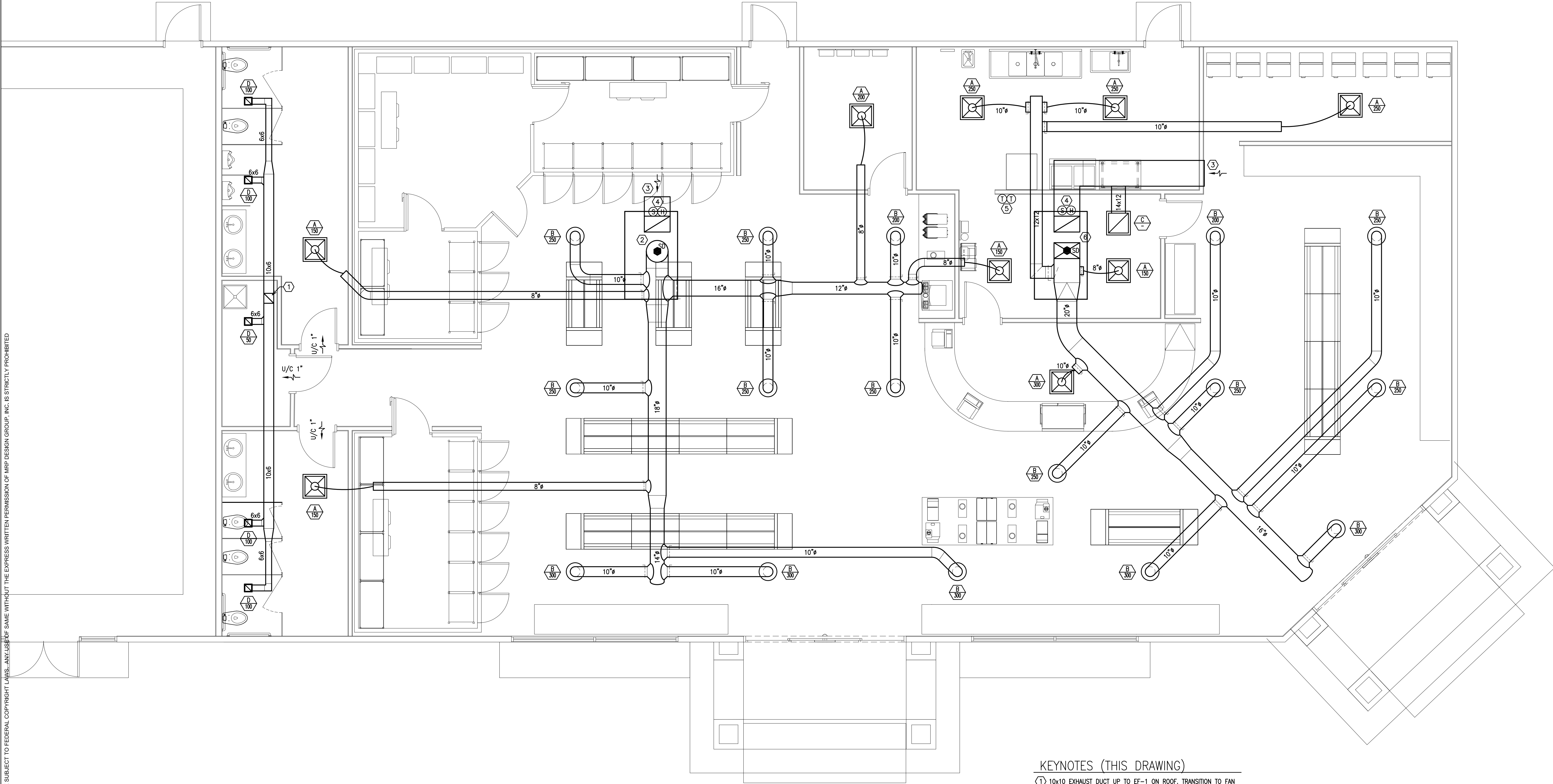
Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C404.4 [F125] ²	All piping insulated in accordance with section details and Table C403.2.10.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C404.6.1 [F112] ¹	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water supply pipe.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C406.4 [F154] ¹	Enhanced digital lighting controls efficiency package: Interior lighting has following enhanced lighting controls in accordance with Section C405.2.2: Luminaires capable of continuous dimming and being addressed individually, <= 8 luminaires controlled in combination in a daylight zone, digital control system for fixtures, "Sequence of Operations" documentation, and functional testing per Section C408.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C408.2.1 [F128] ¹	Commissioning plan developed by registered design professional or approved agency.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C408.2.3.1 [F131] ¹	HVAC equipment has been tested to ensure proper operation.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C408.2.3.2 [F110] ¹	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C408.2.3.3 [F132] ¹	Economizers have been tested to ensure proper operation.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C408.2.4 [F129] ¹	Preliminary commissioning report completed and certified by registered design professional or approved agency.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C408.2.5.1 [F17] ¹	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C408.2.5.3 [F143] ¹	An air and/or hydronic system balancing report is provided for HVAC systems.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C408.2.5.4 [F130] ¹	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Project Title: UNION CITY GA C-STORE Report date: 04/08/26
Data filename: Page 15 of 15

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1 FLOOR PLAN - HVAC
M100 SCALE: 1/4"=1'-0"

KEYNOTES (THIS DRAWING)

- 10x10 EXHAUST DUCT UP TO EF-1 ON ROOF. TRANSITION TO FAN CONNECTION SIZE.
- 22" SUPPLY AND 26x16 RETURN DUCTS UP TO RTU-1. TRANSITION TO UNIT CONNECTION SIZE AND PROVIDE FLEXIBLE CONNECTION.
- 26x16 RETURN AIR DUCT OPEN ON END WITH WIRE MESH SCREEN.
- MOUNT REMOTE TEMPERATURE SENSOR AND HUMIDISTAT IN RETURN DUCTWORK.
- THERMOSTATS FOR ROOFTOP UNITS TO BE LOCATED IN PREP AREA. PROVIDE LABELS FOR EACH THERMOSTAT.
- 26x16 SUPPLY AND RETURN DUCTS UP TO RTU-2. TRANSITION TO UNIT CONNECTION SIZE AND PROVIDE FLEXIBLE CONNECTION.

ARCHITECT OF RECORD:

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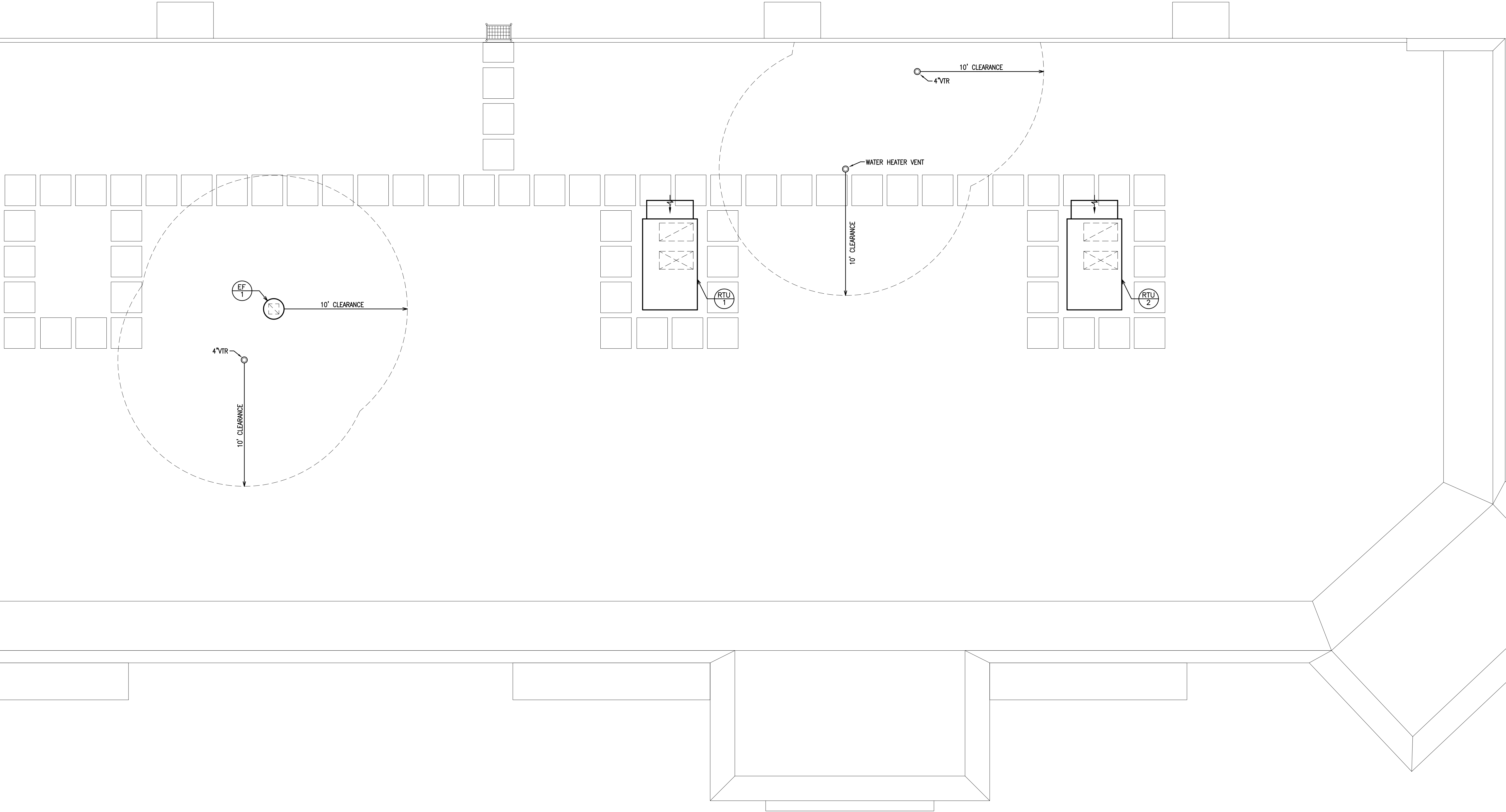
SHEET TITLE:

FLOOR PLAN -
HVAC

PROJECT NO: 24024

M100

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1
M101

ROOF PLAN - HVAC

SCALE: 1/4"=1'-0"

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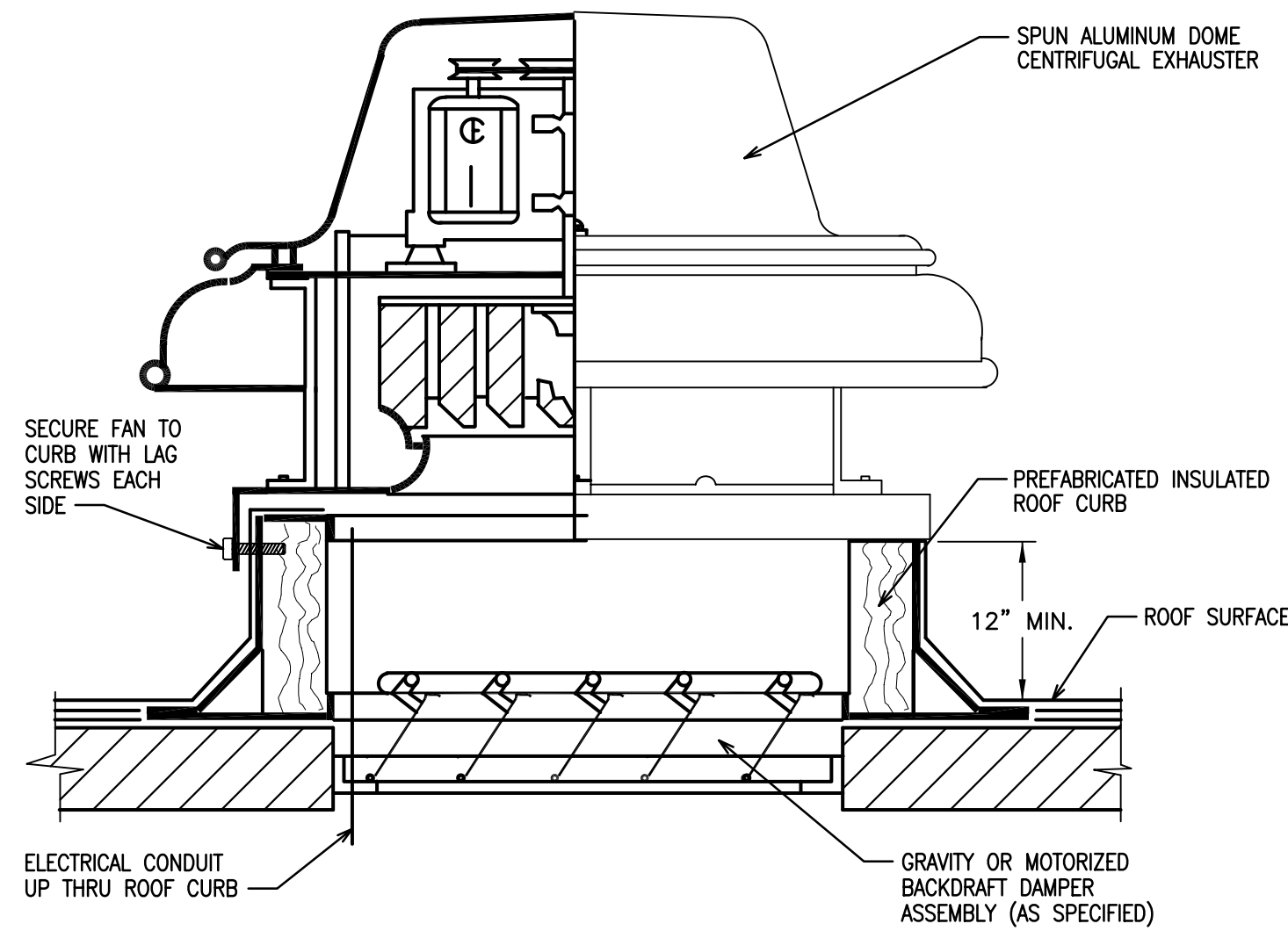
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ROOF PLAN -
HVAC

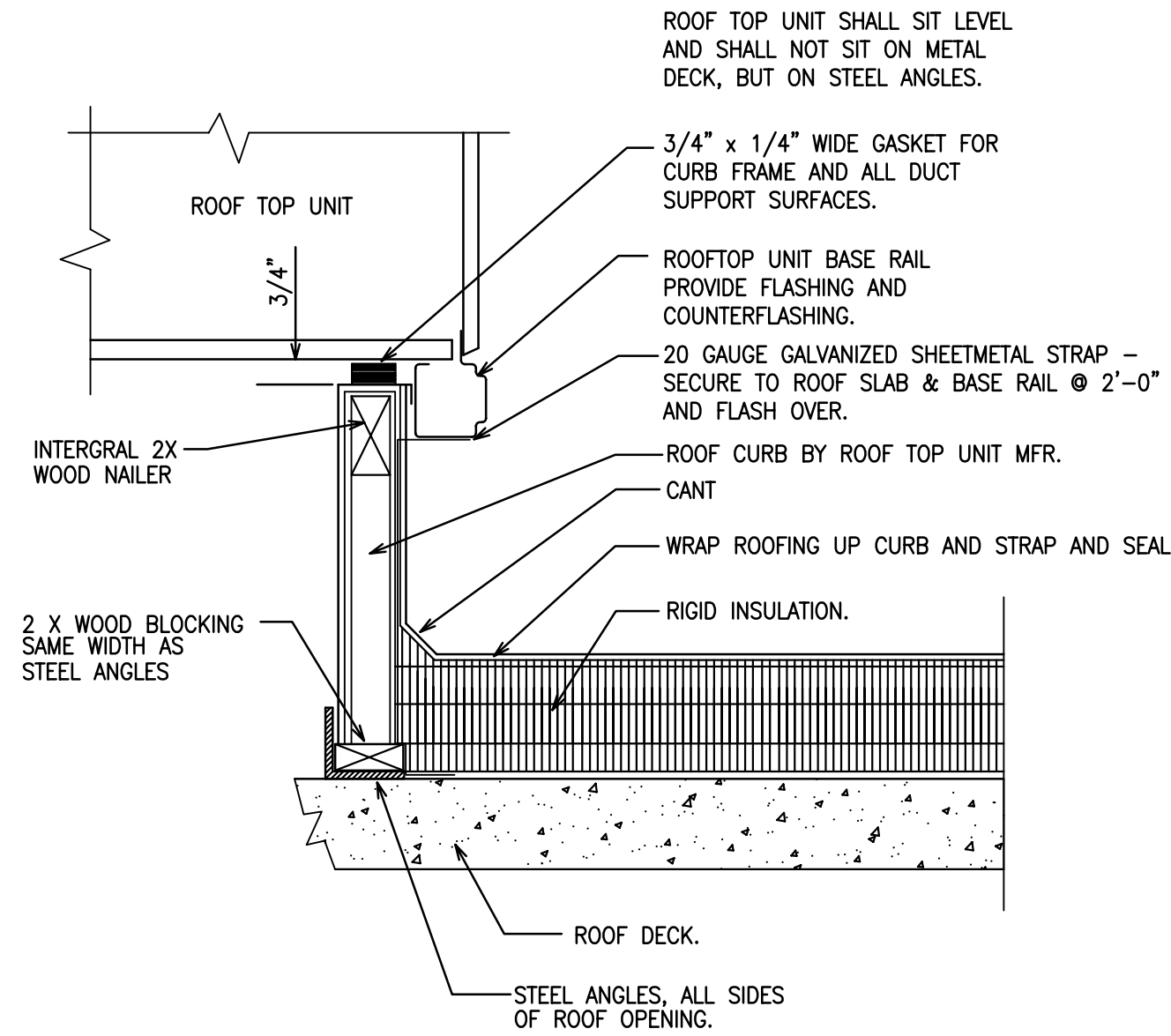
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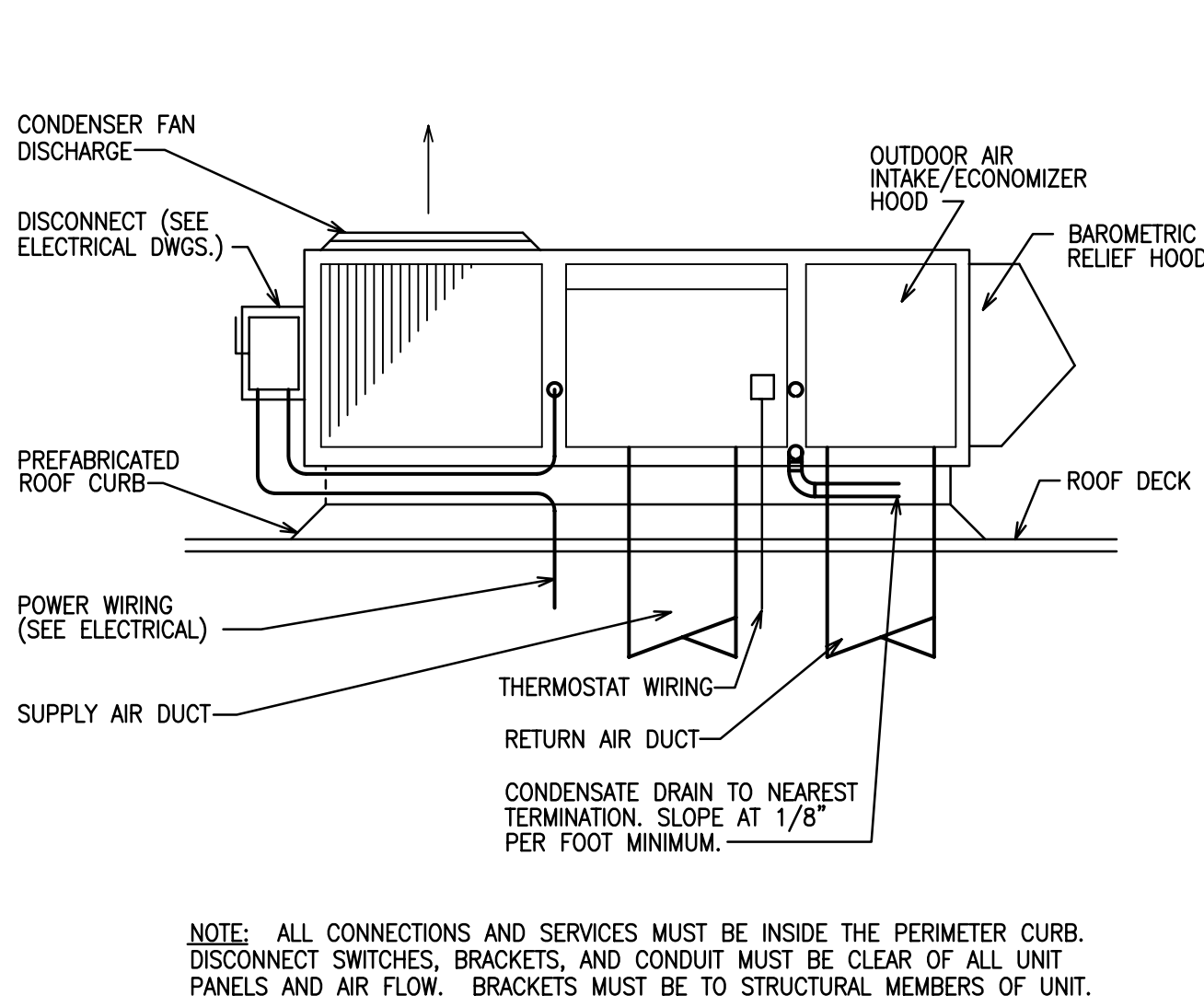


ROOF-MOUNTED CENTRIFUGAL EXHAUST FAN
SCHEMATIC - NO SCALE



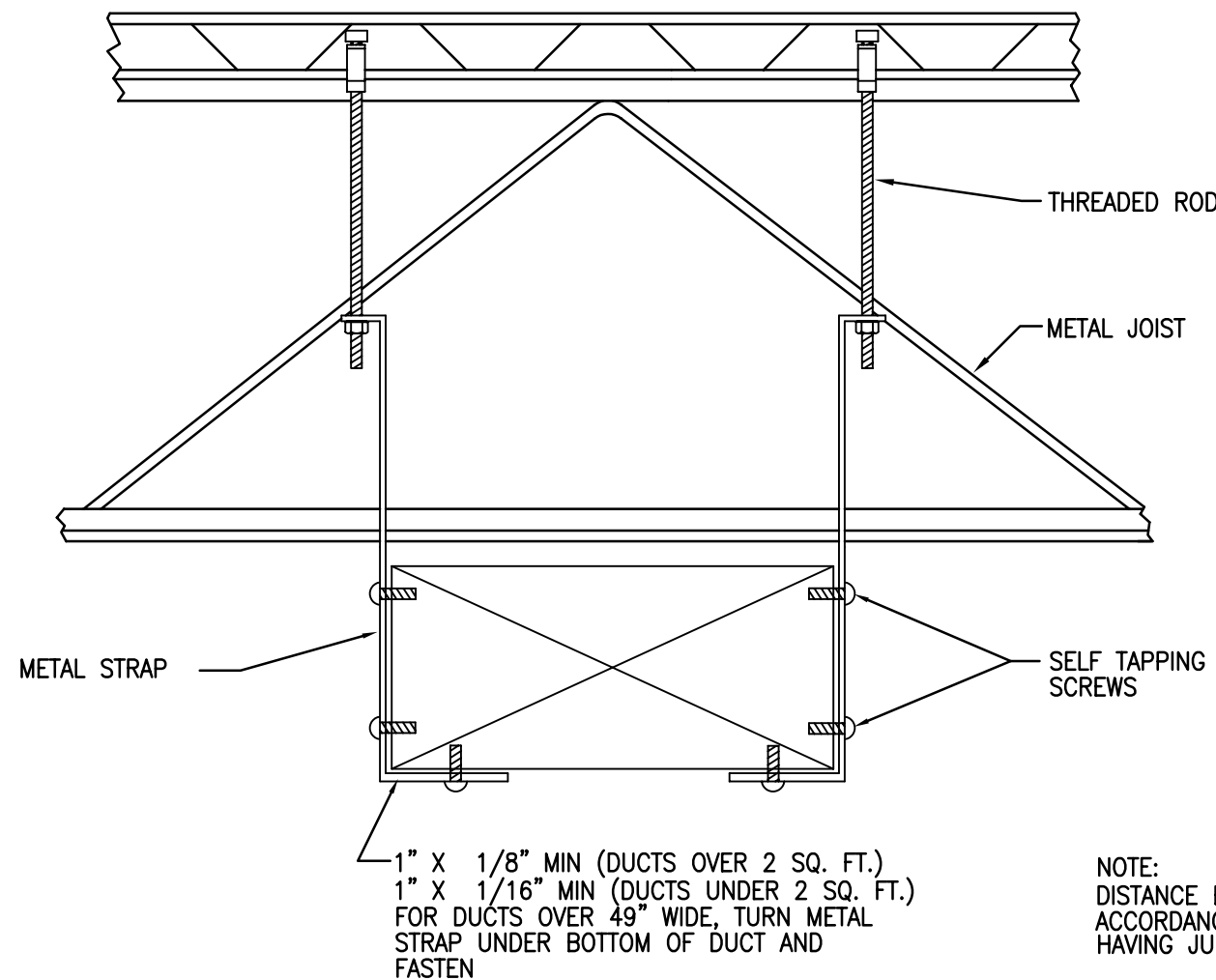
NOTE: SECURE ROOF MOUNTED EXHAUST FANS IN SIMILAR MANNER.

ROOF CURB FRAMING - MECHANICAL EQUIPMENT
SCHEMATIC - NO SCALE



NOTE: ALL CONNECTIONS AND SERVICES MUST BE INSIDE THE PERIMETER CURB. DISCONNECT SWITCHES, BRACKETS, AND CONDUIT MUST BE CLEAR OF ALL UNIT PANELS AND AIR FLOW. BRACKETS MUST BE TO STRUCTURAL MEMBERS OF UNIT.

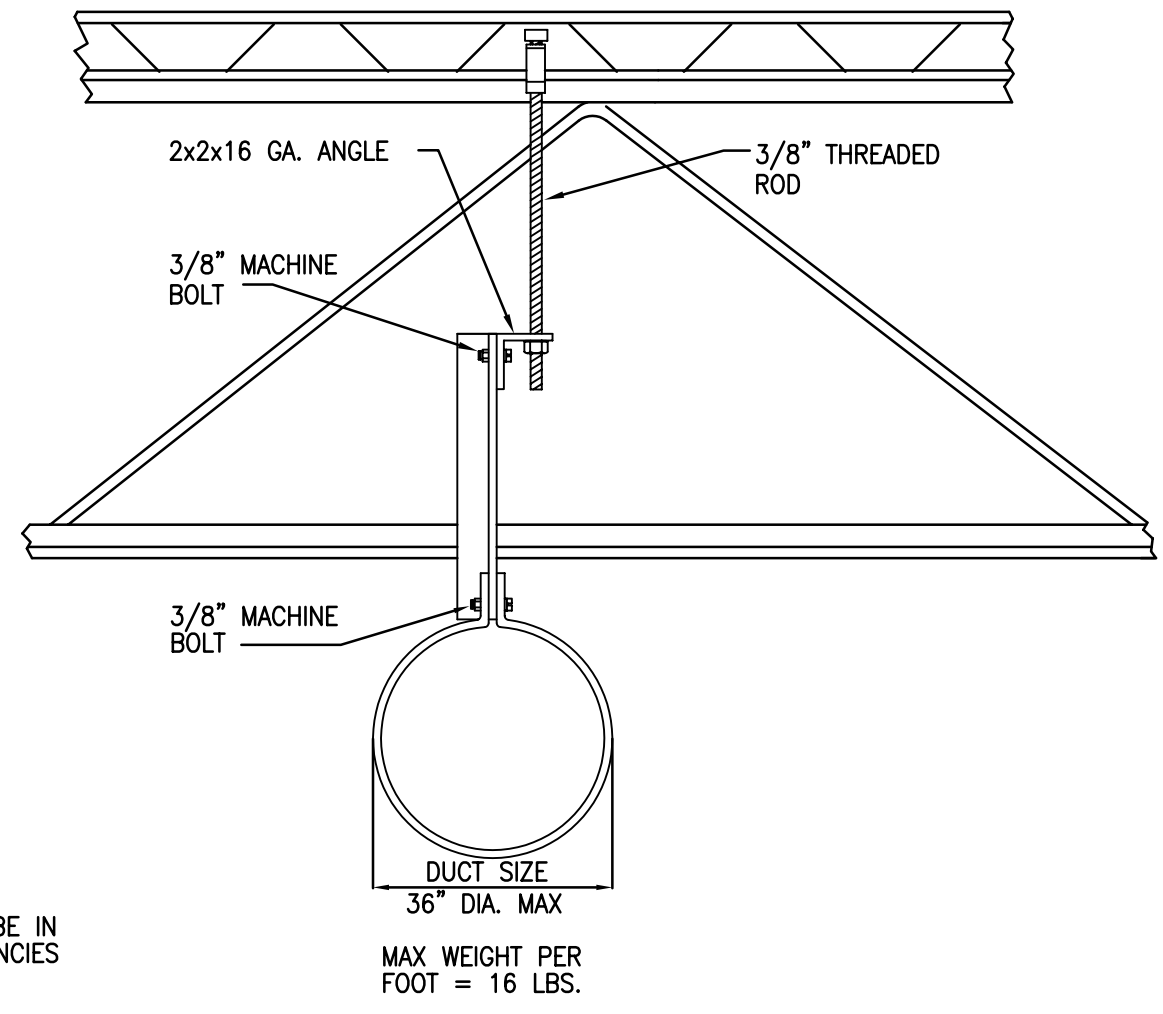
ROOF TOP AIR CONDITIONER DETAIL
SCHEMATIC - NO SCALE



NOTE: DISTANCE BETWEEN DUCT HANGERS SHALL BE IN ACCORDANCE WITH THE RULES OF THE AGENCIES HAVING JURISDICTION.

DUCTWORK SUPPORT DETAIL

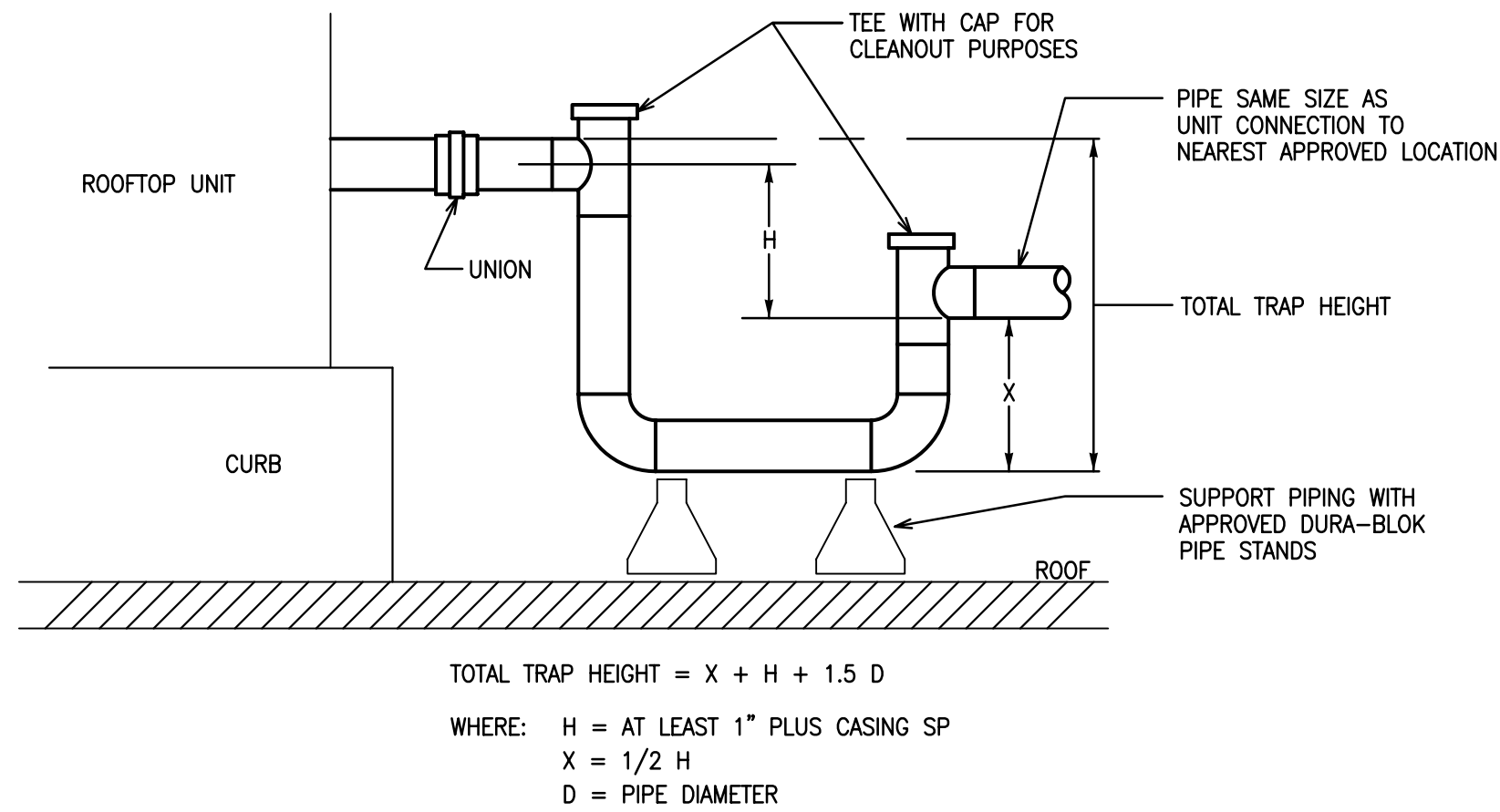
NOT TO SCALE RECTANGULAR DUCTS		MIN. GALV. SHT.		ALUMINUM MIN. B & S GAUGE	
MAX. SIDE INCHES	THROUGH	MIN. GALV. SHT.	GAUGE	MIN. B & S GAUGE	THROUGH
THROUGH 12	26	(0.022 IN.)	24	(0.020 IN.)	24
13 THROUGH 30	24	(0.028 IN.)	22	(0.025 IN.)	22
31 THROUGH 54	22	(0.034 IN.)	20	(0.032 IN.)	20
55 THROUGH 84	20	(0.040 IN.)	18	(0.040 IN.)	18
OVER 84	18	(0.052 IN.)	16	(0.051 IN.)	16



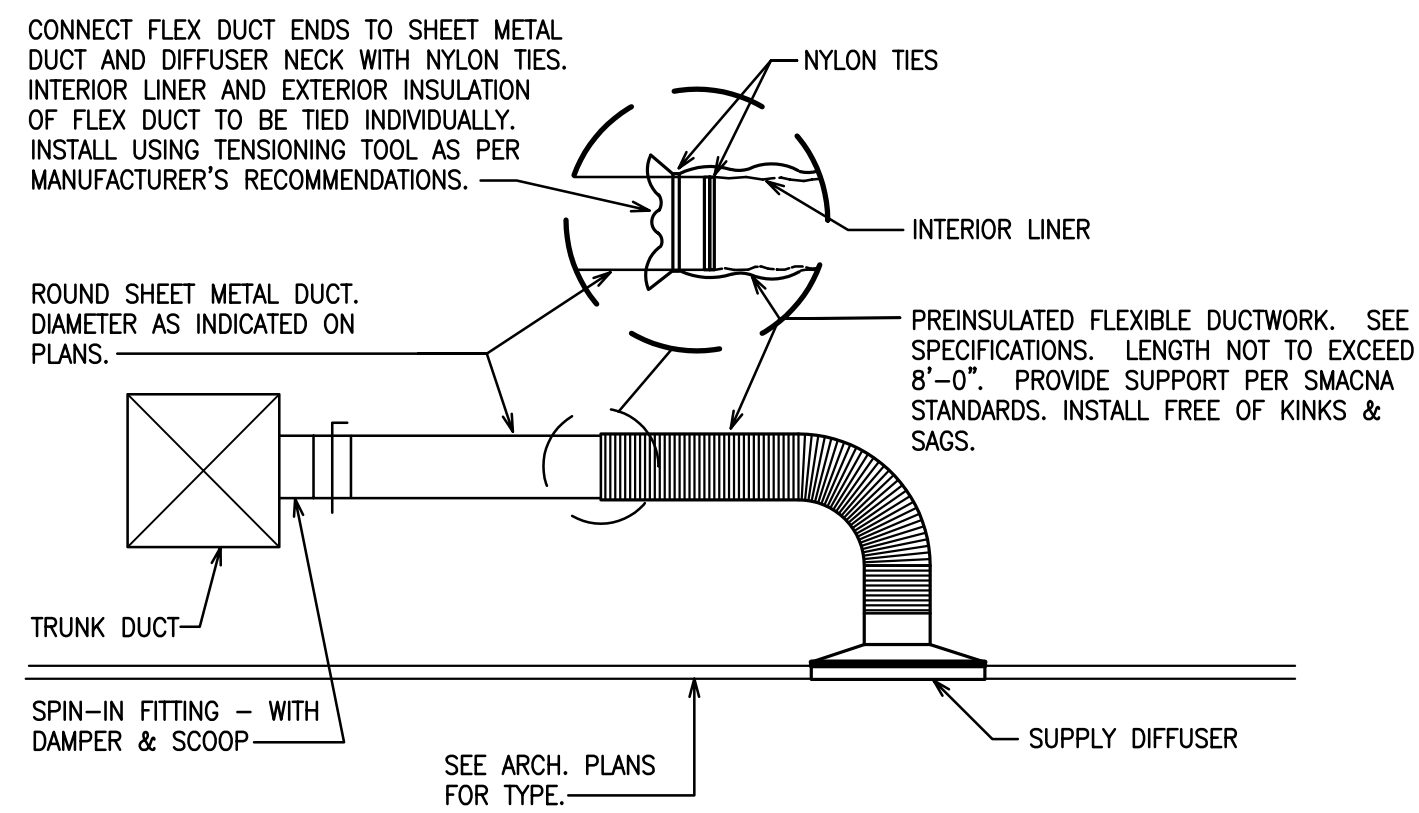
ROUND DUCT SUPPORT DETAIL

NOT TO SCALE ROUND DUCTS LONGITUDINAL SEAM		MIN. GALV. SHT.		FITTINGS STEEL MIN. GALV. SHT. GAUGE	
DUCT STEEL MIN. GALV. SHT. GAUGE	DUCT SIZE	DUCT STEEL MIN. GALV. SHT. GAUGE	DUCT SIZE	DUCT STEEL MIN. GALV. SHT. GAUGE	DUCT SIZE
28 (0.019 IN.)	28	26 (0.022 IN.)	26	26 (0.022 IN.)	26
26 (0.022 IN.)	26	24 (0.028 IN.)	24	24 (0.028 IN.)	24
24 (0.028 IN.)	24	22 (0.034 IN.)	22	22 (0.034 IN.)	22
22 (0.034 IN.)	22	20 (0.040 IN.)	20	20 (0.040 IN.)	20
20 (0.040 IN.)	20	18 (0.052 IN.)	18	18 (0.052 IN.)	18

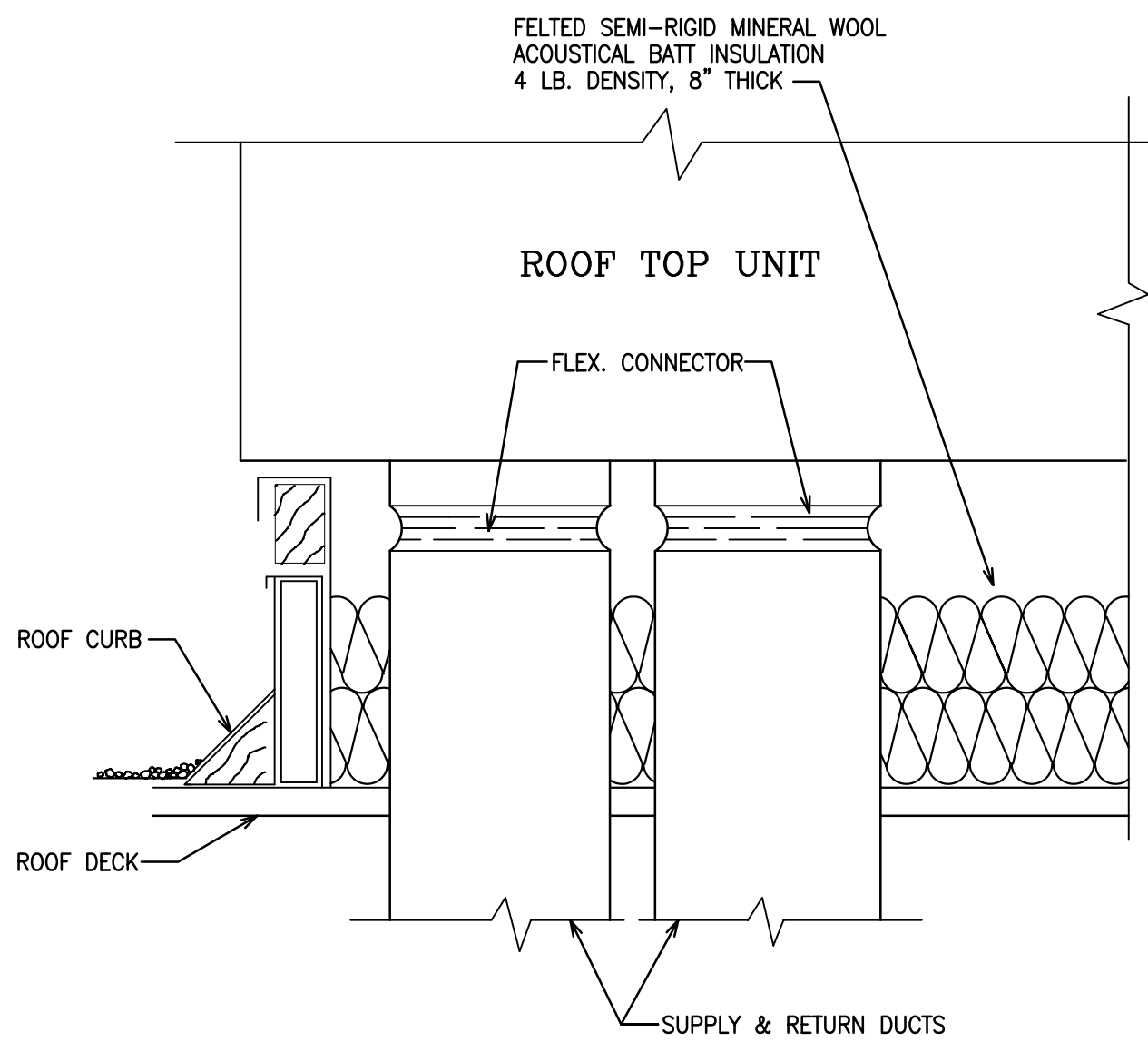
DUCT SUPPORT DETAIL
SCHEMATIC - NO SCALE



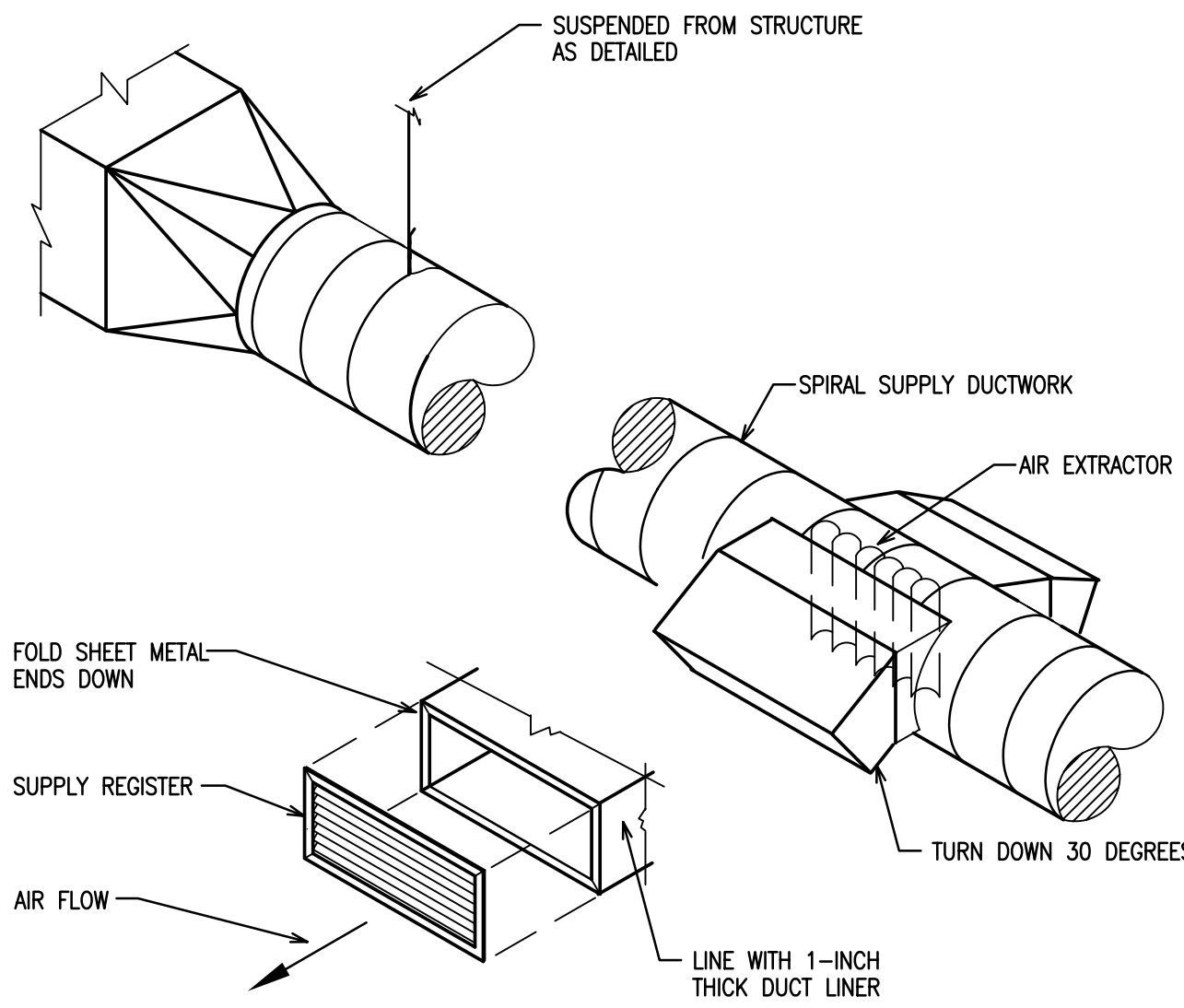
CONDENSATE DRAIN TRAP
SCHEMATIC - NO SCALE



FLEXIBLE DUCT TAKE-OFF DETAIL
SCHEMATIC - NO SCALE



ROOF TOP MOUNTING DETAIL
SCHEMATIC - NO SCALE



MOUNTING DETAIL - SUPPLY REGISTER
SCHEMATIC - NO SCALE

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DETAILS
HVAC

PROJECT NO: 24024

M200

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SCOPE: PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT IN ACCORDANCE WITH THESE SPECIFICATIONS, AND THE ACCOMPANYING DRAWINGS TO PROVIDE A COMPLETE AND PROPERLY OPERATING ELECTRICAL SYSTEM FOR THE BUILDING.

A. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL OF THE FOLLOWING MATERIAL AND EQUIPMENT UNDER THIS DIVISION OF THE SPECIFICATIONS, UNLESS NOTED OTHERWISE: PANELBOARDS; LIGHTING FIXTURES; LAMPS; RACEWAYS; 600 VOLT WIRE AND CABLE; WIRING DEVICES; DEVICE PLATES; DEVICE PULL AND JUNCTION BOXES; SAFETY SWITCHES; LIGHTING CONTROLS; CIRCUIT BREAKERS; FUSES; TIME CLOCKS; EQUIPMENT IDENTIFICATION (NAMEPLATES AND DIRECTORYS); WIRE AND CABLE TERMINATIONS; CONNECTIONS TO INDIVIDUAL UNITS OF EQUIPMENT FOR THE WALK-IN COOLER; AND TEMPORARY POWER.

B. THE FOLLOWING MATERIAL AND EQUIPMENT WILL BE FURNISHED AND/OR INSTALLED BY OTHERS, OR UNDER OTHER DIVISIONS OF THE SPECIFICATIONS, UNLESS NOTED OTHERWISE: LOW VOLTAGE (24 VOLT) WIRE AND CABLE, COMMUNICATION DEVICES, SECURITY EQUIPMENT, POINT OF SALE (POS) EQUIPMENT, SIGNAGE.

2. GENERAL REQUIREMENTS: ALL WORK SHALL BE PERFORMED BY SKILLED LICENSED ELECTRICIANS IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADE, MEETING THE REQUIREMENTS OF THE LATEST APPROVED EDITION OF THE NATIONAL ELECTRICAL CODE, APPLICABLE FEDERAL, STATE AND LOCAL CODES. ALL WORK SHALL BE INSTALLED IN COMPLIANCE OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL INSTALLATION STANDARDS (NEIS). ALL NECESSARY CONSTRUCTION PERMITS AND CERTIFICATES OF INSPECTION SHALL BE PURCHASED AND OBTAINED UNDER THIS CONTRACT.

A. COORDINATION: ALL OUTLETS MUST BE ACCURATELY LOCATED, PARTICULARLY APPLIANCE OUTLETS WHICH SHALL BE LOCATED FROM THE DIMENSIONS GIVEN ON ALL THE DRAWINGS, INCLUDING SUBSETS. REVIEW THE ARCHITECTURAL, PLUMBING AND HEATING AND VENTILATING TRADES IN ORDER TO COORDINATE THIS WORK WITH OTHER TRADES, AND COOPERATE WITH THEM IN THE ENTIRE INSTALLATION.

B. BEFORE ROUGH-IN, VERIFY ELECTRICAL REQUIREMENTS OF ALL BUILDING AND EXTERIOR SIGNAGE, MECHANICAL, SELF-SERVE FOOD SERVICE, AND FUEL DISPENSING EQUIPMENT, MAKE ADJUSTMENTS TO RECEPTACLES, DISCONNECT SWITCHES, WIRING CIRCUITS, CIRCUIT BREAKERS, ETC., AS REQUIRED.

3. SERVICE VOLTAGE: THESE DRAWINGS ARE FOR A METERED, UNDERGROUND SERVICE OF 120/208 VOLT, THREE PHASE, FOUR WIRE, 60 HERTZ, ALL SELF-SERVE FOOD SERVICE, FUEL DISPENSING AND HVAC EQUIPMENT HAS BEEN DESIGNED AND PURCHASED FOR USE ON THIS ELECTRICAL SYSTEM. THE CONTRACTOR SHALL VERIFY THE SERVICE.

4. SERVICE EQUIPMENT: THE SERVICE IS LOCATED AS SHOWN ON RISER DIAGRAM, E001, THE POWER PLAN, E200 AND SITE ELECTRICAL PLAN, E300.

PART II. MATERIALS

1. MATERIALS: ALL MATERIALS SHALL BE NEW AND OF THE QUALITY INDICATED BY THE SPECIFIED BRAND NAMES. SUBSTITUTIONS OF MATERIAL OF EQUAL QUALITY BY OTHER MAJOR MANUFACTURERS OF COMMERCIAL EQUIPMENT MAY BE ACCEPTABLE PROVIDED A LIST OF SUCH SUBSTITUTIONS IS APPROVED IN WRITING BY FOREVE'S ARCHITECTURE AND ENGINEERING DEPARTMENT. THE CONTRACTOR SHALL SUBMIT A SUBSTITUTION LIST IN TRIPLICATE AT LEAST FIVE DAYS PRIOR TO THE BID OPENING.

A. DISCONNECT SWITCHES: ALL DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-BREAK, QUICK-BREAK TYPE. ELEMENTS SHALL BE NERES, 1500 VOLT, 100A, 3R FOR OUTDOOR. ALL FUSES FOR DISCONNECT SWITCHES SHALL BE DUAL ELEMENT, CARTRIDGE TYPE. FUSES SHALL BE BUSSMAN OR LITTLEFUSE. THE CONTRACTOR SHALL PROVIDE OWNER ONE SET OF SPARE FUSES FOR EACH SIZE AND TYPE OF FUSE INSTALLED. FUSES SHALL BE RK1, TYPICAL, UON.

B. PANELBOARDS: PANELBOARDS SHALL BE BOLT-IN CIRCUIT BREAKER TYPE, AS SHOWN ON THE PLANS. PANELBOARDS SHOULD BE PANELBOARD CONSTRUCTION, 20 INCH WIDE (MINIMUM), 5-3/4" TO 6-1/2" DEEP, UL LISTED, AND MEET UL 87, UL 50, AND FEDERAL SPECIFICATION W5C966. TYPE I, CLASS 1, WITH BOLT-IN CIRCUIT BREAKERS, COPPER BUS BARS, NEUTRAL BUS, GROUND BUS, AND A HINGED LOCKABLE DOOR. CABINETS SHALL BE CODE GAUGE, GALVANIZED STEEL, MOUNTED AS SHOWN. PROVIDE TYPEWRITTEN CIRCUIT DIRECTORYS WITH CLEAR PLASTIC PROTECTORS IN ALL PANELS. ALL WIRES SHALL BE TAGGED WITH PANEL AND CIRCUIT NUMBER. APPROVED MANUFACTURERS OF PANELS ARE SQUARE D/TELEMECHANIC, CUTLER-HAMMER, GENERAL ELECTRIC, WESTINGHOUSE, AND SIEMENS (I-T-E).

C. LIGHTING FIXTURES: ALL LIGHTING FIXTURES SHALL BE UL LISTED, COMMERCIAL QUALITY.

D. LAMPS: ALL NEW LAMPS SHALL BE LED, UNLESS NOTED OTHERWISE.

E. WIRING DEVICES: ALL WIRING DEVICES SHALL BE UL LISTED. COMMERCIAL SPECIFICATION GRADE. SWITCHES SHALL BE RATED 20 AMPS AT 120/277 VOLTS, AC. STANDARD RECEPTACLES SHALL BE 20 AMP, DUPLEX, GROUNDING TYPE, IN NEMA CONFIGURATIONS, UNLESS NOTED OTHERWISE. SWITCHES IN THE SAME LOCATION SHALL BE GANGED BEHIND A SINGLE PLATE. DEVICE PLATES IN THE KITCHEN AREA SHALL BE METAL, ALUMINUM OR STAINLESS STEEL. DEVICE PLATES IN THE DINING AREA SHALL BE THERMOPLASTIC PLASTIC (NYLON) OR METAL, COLOR AS APPROVED BY THE ARCHITECT OR OWNER. APPROVED MANUFACTURERS OF SWITCHES AND RECEPTACLES ARE HUBBELL, ARROW HART, BRAYTON, LEVITON, PASS & SEYMOUR, GENERAL ELECTRIC, SLATER, OR EQUAL.

1. SWITCHES:
a. SINGLE POLE: HUBBELL HBL1221-I, OR EQUAL.
b. THREE WAY: HUBBELL HBL1223-I, OR EQUAL.

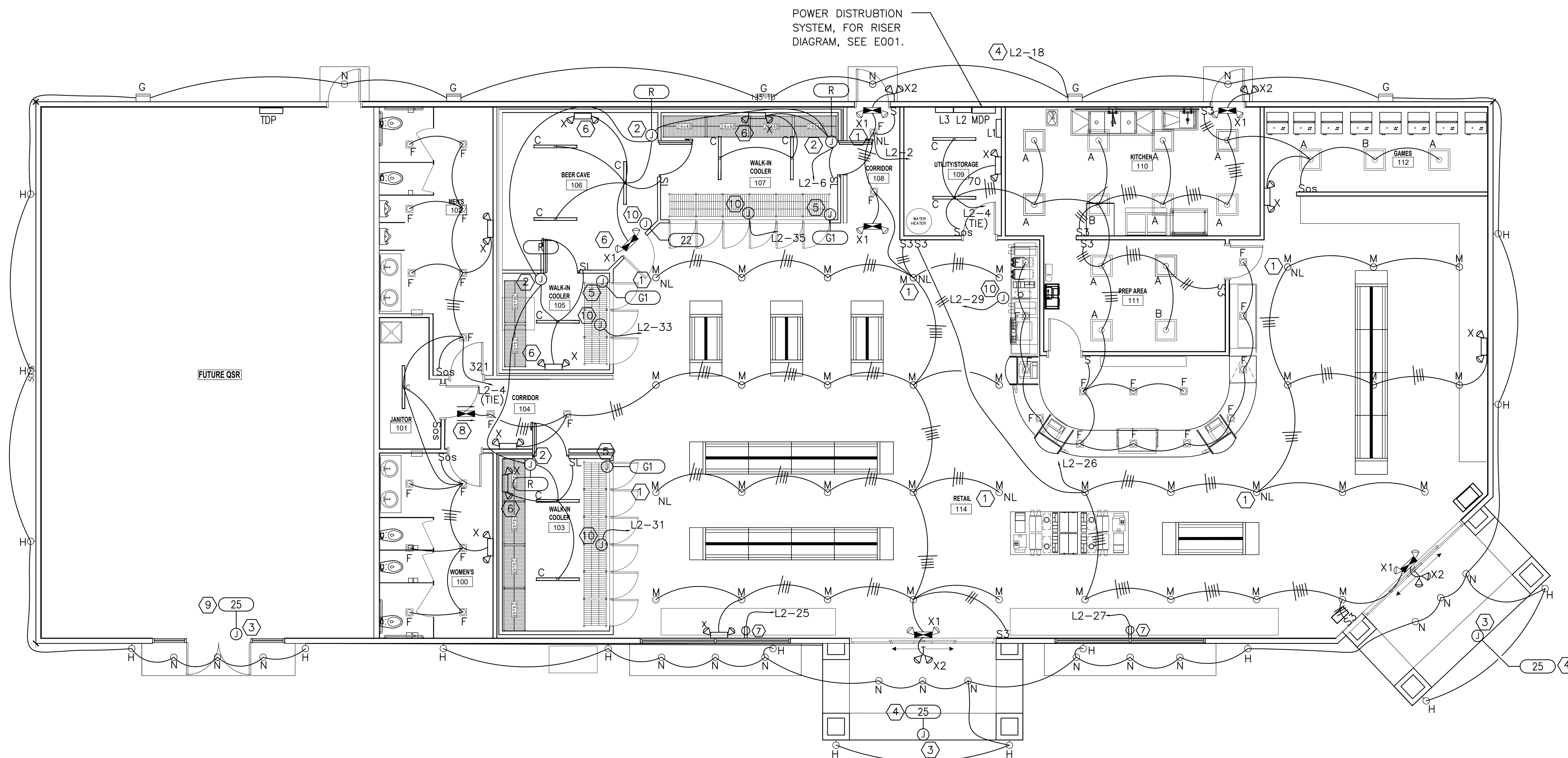
2. RECEPTACLES:
a. NEMA 5-20R: HUBBELL IG5362, OR EQUAL.
b. NEMA 5-20R-GC: HUBBELL IG-5362, OR EQUAL.
c. NEMA 5-20R-IGSS: HUBBELL IG-5362-OS, OR EQUAL.
d. NEMA 5-20R-GFCI: HUBBELL GF5362-I, OR EQUAL.
e. NEMA 6-20R: HUBBELL 5462-I, OR EQUAL.
f. OTHERS: COMMERCIAL OR INDUSTRIAL GRADE, UL LISTED, FEDERAL SPECIFICATION WC596F.

3. WP PLATES: WEATHERPROOF COVERS ARE PERMITTED UNDER NEC ARTICLE 406.8(B)(1).

F. CONDUIT AND FITTINGS: CONDUIT PERMITTED: (A) RIGID GALVANIZED STEEL (RGS), (B) EMT (C) PVC, AND (D) MC. TYPES UTILIZED SHALL BE RUN ONLY AS PERMITTED PER CODE. ALL WIRING SHALL BE RUN IN CONDUIT. CONDUIT EXPOSED OR RUN IN MASONRY WALLS ABOVE GRADE MAY BE PVC OR EMT WHERE ALLOWED BY LOCAL CODES. IF EMT IS NOT PERMITTED, RIGID SCREWED GALVANIZED PIPE, CONDUIT AND FITTINGS SHALL BE USED. IF SCHEDULED CABLE IS REQUIRED FOR CONTROL CIRCUITRY, IT SHALL BE TAN, GREY OR ANY NEUTRAL COLOR OTHER THAN THAT AS SPECIFIED FOR POWER DISTRIBUTION. NO CONDUIT SMALLER THAN 3/4" SHALL BE INSTALLED EXCEPT FOR TWO-WIRE SWITCH LEGS. ALL CONDUIT BENDS SHALL BE FREE FROM DENTS AND KINKS. ALL CONDUITS SHALL BE ELECTRICALLY CONTINUOUS FROM THE SERVICE EQUIPMENT TO ALL OUTLETS, AND SHALL BE SECURED TO ALL METAL BOXES WITH ONE LOCK NUT OUTSIDE, AND ONE INSIDE THE BOX WITH A REINFORCED BAKELITE BUSHING. IF PVC IS USED, THEN APPROPRIATE SIZED, ELECTRICALLY CONTINUOUS, BOND WIRES SHALL BE RUN FROM THE SERVICE EQUIPMENT TO ALL OUTLETS, AND SHALL BE SECURED TO EACH WIRING DEVICE PER THE NATIONAL ELECTRICAL CODE. WHERE CONNECTIONS ARE TO BE MADE BETWEEN CONDUIT TERMINATIONS AND MOTORS, EQUIPMENT, OR APPARATUS NECESSITATING FLEXIBLE CONNECTIONS, APPROVED FLEXIBLE CONDUIT SHALL BE USED. OUTDOOR CONDUIT SHALL BE RATED FOR OUTDOOR USE. CONDENSER UNITS, OR ROTATING EQUIPMENT SHALL BE MADE WITH HELICAL WOUND, LIQUIDTIGHT, FLEXIBLE STEEL CONDUIT. EXPOSED CONDUIT SHALL BE SUITABLY SUPPORTED AT INTERVALS NOT TO EXCEED FIVE (5) FEET.

G. WIRE AND CABLES: ALL WIRE AND CABLES SHALL BE UNDERWRITERS LABORATORIES' LISTED, AND LABELED, AND CONFORM WITH APPLICABLE STANDARDS OF UL (44, AND 83), NEMA (WC-5, AND WC-7), IPCEA (S-61-402, AND S-66-524), FEDERAL SPECIFICATIONS (J-C-30A(1), AND HH-I-595C), ANSI, AND OTHER APPLICABLE INDUSTRY STANDARDS. CONNECTORS AND LUGS SHALL MEET UL PUBLICATION 486. ALL BRANCH CIRCUIT WIRING SHALL BE 600 VOLT, COPPER, 75 DEGREE C (MIN), TYPE THHN/THWN WITH A MINIMUM SIZE OF #12 AWG, UNLESS NOTED OTHERWISE. WIRE SIZES OF #8 AWG AND LARGER SHALL BE STRANDED. FEEDER CABLES SHALL BE 600 VOLT, STRANDED COPPER, 75 DEGREE C (MIN), TYPE XHHW. ALL CIRCUITS SHALL HAVE A SEPARATE GROUND CONDUIT. PROVIDE GREEN-INSULATED GROUND WIRE IN ALL RACEWAYS, CABLE ASSEMBLIES, AND WHERE NOTED. SIZE EQUIPMENT GROUNDS

E000



1 C-STORE LIGHTING PLAN
E100 3/16"=1'-0"

1. CONNECT NL LIGHT FIXTURE AHEAD OF SWITCH.
2. LIGHT FIXTURES W/SWITCH, SUPPLIED W/WALK-IN COOLER (103), (105) & (107)/BEER CAVE (106). EC SHALL INSTALL AS REQUIRED AND CONNECT TO WALK-IN COOLER (103), (105) & (107)/BEER CAVE (106) J-BOX.
3. PROVIDE J-BOX FOR EXTERIOR SIGN. COORDINATE SIGN LOCATION W/SIGN SUPPLIER/INSTALLER/OWNER AND VERIFY SIGN ELECTRICAL LOADS. PROVIDE FINAL CONNECTION FROM J-BOX TO SIGN.
4. ROUTE CIRCUIT THRU LC-1.
5. SAME AS NOTE #2 FOR COOLER DOOR LIGHTS.
6. PROVIDE EXIT LIGHT (X1)/EMERGENCY LIGHT FIXTURE (X) W/WEATHERPROOF ENCLOSURE AND COMPATIBLE FOR COOLER/FREEZER ENVIRONMENT.
7. PROVIDE RECEPTACLE AND MOUNT ON WALL WITHIN 18" OF TOP OF WINDOW.
8. PROVIDE DOUBLE-SIDED EXIT LIGHT W/BATTERY BACKUP AND ARROWS AS INDICATED.
9. SIGN CIRCUIT TO BE ROUTED THRU TIME CLOCK OR LIGHTING CONTACTOR PROVIDED BY QSR TENANT CONTRACTOR.
10. SAME AS NOTE #3 FOR INTERIOR SIGN.

[illegible]

1. PROVIDE 4#12, 1#12G CONDUCTORS IN 1" C TO PANEL AND CIRCUITS INDICATED.
2. PROVIDE MOUNT PANEL L4 INSIDE CABINET. COORDINATE LOCATION W/ SUPPLIER/INSTALLER. CONNECT ALL EQUIPMENT CIRCUITS ON ISLAND AND SHELVING TO THIS PANEL.
3. PROVIDE 1"X4" FLASH WARNING SIGNAGE PER NEC 2014-110.16 AND APPROVED BY CODE OFFICIAL.
4. PROVIDE ARC-FAULT WARNING SIGNAGE PER NEC 2014-110.24(A) AND APPROVED BY CODE OFFICIAL.
5. MOUNT RECEPTABLES AND PHONE/DATA OUTSIDE CABINETS. ROUTE CONDUIT BETWEEN RECEPTABLES AND PHONE/DATA OUTSIDE CABINETS AND EXTEND UNDER FLOOR SLAB TO NEAREST WALL. ROUTE CONDUIT UP WALL TO 6" ABOVE CEILING(FOR PHONE/DATA) OR TO PANEL INDICATED(FOR POWER).
6. PROVIDE BUSINESS LINE TELEPHONE OUTLET.
7. PROVIDE CREDIT CARD TELEPHONE OUTLET.
8. PROVIDE MODEM TELEPHONE OUTLET.
9. LOCATE FUEL SYSTEM "EMERGENCY STOP" PUSHBUTTON AND CONNECT TO FUEL SYSTEM COORDINATE LOCATION W/OWNER AND LOCAL AUTHORITIES.
10. PROVIDE J-BOX FOR WATER HEATER CONTROLS AND PP-1.
11. PROVIDE 4#3, 1#6@-1 1/4"C.
12. EXTEND CONDUIT UNDER SLAB TO PANEL AND CIRCUIT INDICATED.
13. SAME AS NOTE #12 FOR PANEL L4 FEEDER CONDUIT FOR SELF-SERVE ISLAND TO PANEL MDP.
14. WIRING TROUGH W/ VEEDER-ROOT EQUIPMENT. SEE RISER DIAGRAM, E001.
15. PROVIDE RECEPTACLE, AS SHOWN IN EQUIPMENT SCHEDULE, AND MOUNT INSIDE CABINET. COORDINATE LOCATION WITH CABINET SUPPLIER/INSTALLER.
16. PROVIDE J-BOX (SIZED AS REQUIRED) FOR CIRCUITS W/COVERPLATE FLUSH W/CONCRETE SLAB.
17. SAME AS NOTE #16 AND PROVIDE SPECIAL/ DUPLEX RECEPTACLE IN J-BOX W/COVERPLATE FLUSH W/ SLAB.
18. PROVIDE 2"-0" X 2"-0" X 3/4" PLYWOOD TELEPHONE BACKBOARD. PAINT W/FIRE RETARDANT PAINT AND PROVIDE 1#6G FROM BACKBOARD GROUND BAR TO SERVICE ENTRANCE GROUND. PROVIDE 2"-2" W/PULLWIRE FROM BACKBOARD TO TELEPHONE SERVICE CABINET.
19. PROVIDE DEDICATED TELEPHONE OUTLET FOR ATM/LOTTERY MACHINE.
20. PROVIDE J-BOX ABOVE CEILING FOR AUTOMATIC SLIDING DOOR. PROVIDE CONNECTION FROM J-BOX TO SLIDING DOOR CONTROLLER. VERIFY LOAD OF SLIDING DOOR AND MAKE ADJUSTMENTS AS REQUIRED.
21. PROVIDE 1"-3" W/PULLWIRE FROM BUILDING TELEPHONE SERVICE CABINET TO FUTURE TENSANT SPACE AND STUB-UP 6" AFF AND CAP. COORDINATE LOCATION OF STUB UP W/OWNER.
22. TELEPHONE SERVICE CABINET. COORDINATE SIZE, LOCATION AND REQUIREMENTS WITH LOCAL TELEPHONE COMPANY. SEE E300.
23. ELECTRICAL SERVICE WIREWAY. SEE RISER DIAGRAM, E001 AND ELECTRICAL SITE PLAN, E300.

NOTE 1. SEE DWG. E100.
NOTE 2. PROVIDE WP DISCONNECT SWITCH AND MOUNT TO CONDENSING UNIT ON ROOF. MAKE FINAL CONNECTION FROM DISC. SW. TO CONDENSING UNIT.
NOTE 3. PROVIDE WP DISCONNECT SWITCH AND MOUNT TO COIL. MAKE FINAL CONNECTION FROM DISC. SW. TO COIL.
NOTE 4. SEE DWG. E201.
NOTE 5. PROVIDE 1/2" TYPE RECEPTACLE.
NOTE 6. COORDINATE WITH MANUFACTURER FOR EXACT REQUIREMENTS. PROVIDE ALL INTERCONNECTIONS, AS REQUIRED.
NOTE 7. PROVIDE CORD AND PLUG PER EQUIPMENT ELECTRICAL REQUIREMENTS AND CONNECT PLUG TO CORD. PROVIDE RECEPTACLE TO MATCH PLUG.

[illegible]

DRAWN BY: BAM

CHK'D BY: JFM

PROJECT DESCRIPTION:
CONVENIENCE STORE

PROJECT TITLE:

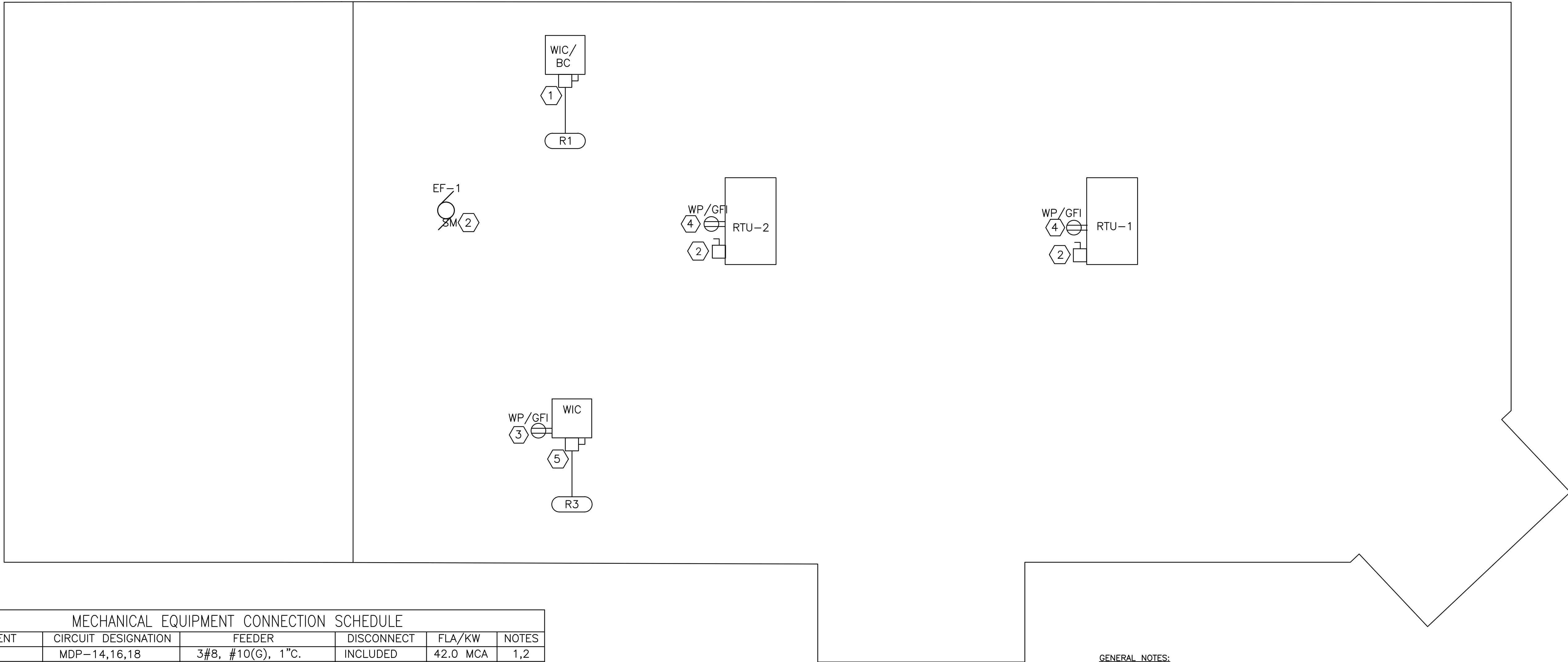
C-STORE
5051 STONEWALL TELL ROAD
UNION CITY GA 30349

SHEET TITLE:

ROOF
POWER PLAN

PROJECT NO: 24024

E201



1 ROOF POWER PLAN
E201 3/16"=1'-0"

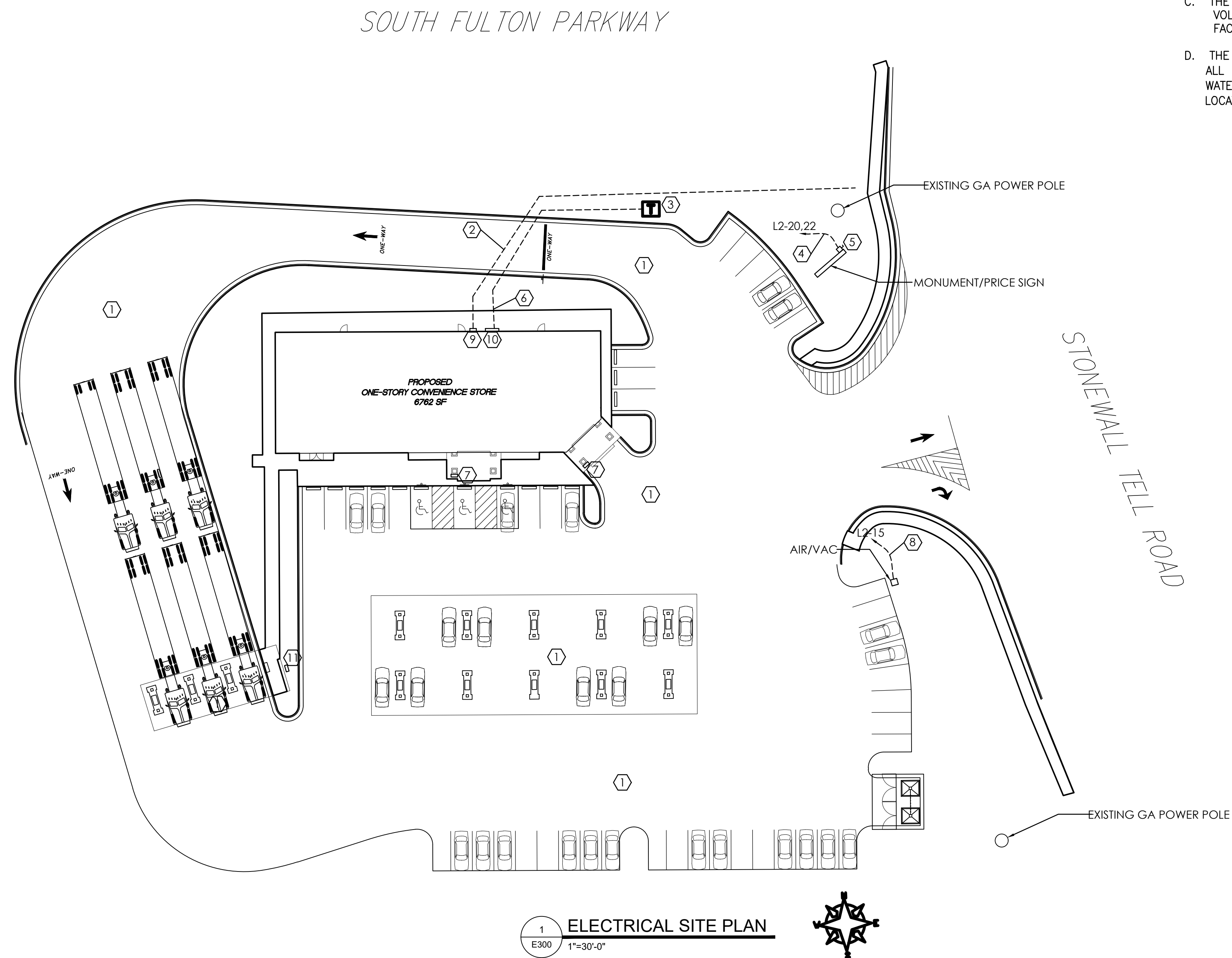
GENERAL NOTES:

1. THIS CONTRACTOR SHALL BECOME FAMILIAR WITH THE DRAWINGS, INCLUDING OTHER DISCIPLINES, AND THE SCOPE OF WORK TO BE COMPLETED. FULLY COORDINATE BETWEEN ALL DISCIPLINE PLANS AND THE WORK TO BE COMPLETED.
2. FOR LEGEND, SEE DRAWING E000.
3. GENERALLY, THE CIRCUITING SHOWN SHALL GO TO PANEL AND CIRCUIT INDICATED. HOWEVER, CIRCUITS MAY BE SHIFTED TO OTHER CIRCUIT NUMBERS IN THAT PANEL AND/OR LOCALIZATION, AND PHASING ARE ADJUSTED AS NECESSARY TO MAINTAIN CIRCUIT INTEGRITY.
4. CONTRACTOR SHALL VERIFY ALL REMOTE CONDENSER AND HVAC EQUIPMENT LOCATIONS AND ELECTRICAL LOADS AND REQUIREMENTS PRIOR TO ROUGHING -IN. MAKE ALL NECESSARY ADJUSTMENTS TO CIRCUITS (WIRE, CONDUIT, DISCONNECT SWITCHES AND CIRCUIT BREAKER SIZING, ETC.).
5. SEE FOOD SERVICE EQUIPMENT SCHEDULE, E002, FOR EQUIPMENT NUMBERS.

KEYED NOTES:

1. PROVIDE 60/3/NF/3R DISCONNECT SWITCH. MAKE FINAL CONNECTION FROM DISCONNECT SWITCH TO CONDENSER.
2. DISCONNECT SWITCH PROVIDED W/UNIT.
3. PROVIDE RECEPTACLE AND MOUNT TO UNIT. COORDINATE LOCATION W/INSTALLER. CONNECT TO CIRCUIT L1-23.
4. RECEPTACLE PROVIDED W/UNIT AND CONNECTED TO CIRCUIT L1-23.
5. PROVIDE 30/3/NF/3R DISCONNECT SWITCH. MAKE FINAL CONNECTION FROM DISCONNECT SWITCH TO CONDENSER.

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GENERAL NOTES:

- A. THE MINIMUM SIZE CONDUIT FOR THE SITE SHALL BE 1" SCHEDULE 40 PVC CONDUIT WITH RGS TYPE ELBOWS AND STUB-UPS. ALL CONDUIT SHALL BE INSTALLED A MINIMUM OF 24" BELOW GRADE. THE MINIMUM WIRE SIZE FOR THE SITE BRANCH CIRCUITS SHALL BE #10 (HOT, NEUTRAL, AND GROUND).
- B. ALL EXTERIOR SIGNS SHALL BE CONTROLLED BY LIGHTING CONTACTOR, LC-1. EC SHALL VERIFY ALL SITE SIGN LOADS PRIOR TO ROUGHING-IN. MAKE ALL NECESSARY ADJUSTMENTS TO CIRCUITS (WIRE, CONDUIT AND CIRCUIT BREAKER SIZING).
- C. THE EC SHALL NOT DEViate FROM THE WIRING INDICATED. VOLTAGE DROP CALCULATIONS HAVE BEEN PERFORMED AND FACTORED IN FOR THIS LAYOUT, LOADS, AND WIRING SPECIFIED.
- D. THE EC SHALL COORDINATE NEW ELECTRICAL INSTALLATION WITH ALL NEW AND EXISTING UTILITIES (ELECTRIC POWER, TELEPHONE, WATER, SEWER, STORM WATER, GAS, ETC.). EC SHALL CONFIRM LOCATION OF ALL EXISTING UTILITIES BEFORE DIGGING/TRENCHING.

ELECTRICAL SITE NOTES:

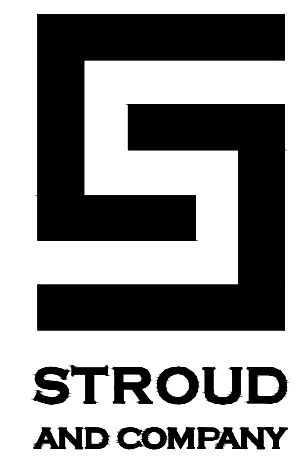
- 1 CANOPY AND SITE LIGHTING BY OTHERS.
- 2 PROVIDE 2-2°C W/PULLWIRE FROM TELEPHONE SERVICE CABINET TO TELEPHONE SERVICE POINT. COORDINATE LOCATION OF TELEPHONE SERVICE POINT W/LOCAL TELEPHONE COMPANY.
- 3 PROPOSED PAD MOUNTED TRANSFORMER LOCATION. COORDINATE LOCATION AND TRANSFORMER REQUIREMENTS WITH LOCAL POWER COMPANY.
- 4 PROVIDE (2) #10 & (1) #10 GND IN 1" PVC. ROUTE CIRCUIT THRU LC-1.
- 5 PROVIDE 30/2-3R/NF DISCONNECT FOR SIGNAGE. COORDINATE LOCATION OF SIGN WITH SIGN INSTALLER AND OWNER. PROVIDE FINAL CONNECTION FROM DISCONNECT SWITCH TO SIGN.
- 6 ELECTRICAL SERVICE FEEDER, MAIN DISCONNECT SWITCH AND METER, SEE RISER DIAGRAM, E001.
- 7 PROVIDE "EMERGENCY POWER-OFF" SWITCH AND SIGNAGE PER NEC ARTICLE 514.11. COORDINATE LOCATION W/AHJ AND OWNER.
- 8 PROVIDE (2) #6 & (1) #10G IN 1" PVC.
- 9 PROVIDE NEMA 3R TELEPHONE SERVICE CABINET. COORDINATE SIZE, LOCATION AND REQUIREMENTS WITH LOCAL TELEPHONE COMPANY. SEE E200.
- 10 PROVIDE NEMA 3R ELECTRICAL SERVICE WIREWAY, SIZED AS REQUIRED. COORDINATE LOCATION AND REQUIREMENTS WITH LOCAL POWER COMPANY. SEE E001 AND E200.
- 11 SAME AS NOTE #7. PROVIDE PEDESTAL, AS REQUIRED, AND MOUNT SWITCH AND SIGN TO PEDESTAL.

ARCHITECT OF RECORD

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RELEASED FOR
CONSTRUCTION

[illegible]

RAWN BY: BAM
CHK'D BY: JFM

PROJECT DESCRIPTION:
CONVENIENCE STORE

PROJECT TITLE:

C-STORE
5051 STONEWALL TELL ROAD
UNION CITY GA 30349

SHEET TITLE:

ELECTRICAL SITE PLAN

PROJECT NO: 2402

E300

SCHEDULE – PLUMBING FIXTURES & DRAINS						
ITEM	DESCRIPTION	DIRECT		WATER CONNECTION		NOTES
		WASTE	VENT	CW	HW	
WC1	WATER CLOSET – FLOOR MTD FLUSH VALVE	4"	2"	1"	–	1
WC2	WATER CLOSET – H/C FLOOR MTD FLUSH VALVE	4"	2"	1"	–	2
UR1	URINAL – WALL HUNG	2"	2"	3/4"	–	3
L1	LAVATORY – H/C UNDERMOUNT	1–1/2"	2"	3/8"	3/8"	4
WH1	NON-FREEZE EXTERIOR WALL HYDRANT	–	–	3/4"	–	5
MV1	THERMOSTATIC MIXING VALVE	–	–	1/2"	1/2"	6
FD1	FLOOR DRAIN – GENERAL	3"	2"	–	–	7
FD2	FLOOR DRAIN – KITCHEN	3"	2"	–	–	8
FS1	FLOOR SINK	4"	2"	–	–	9
FCO	FLOOR CLEANOUT	SEE PLAN	–	–	–	10
GCO	EXTERIOR GRADE CLEANOUT	SEE PLAN	–	–	–	11
HD1	HUB DRAIN – GENERAL	3"	2"	–	–	12
TP1	TRAP PRIMER VALVE	–	–	1/2"	–	13
MS1	MOP SINK	3"	2"	1/2"	1/2"	14
WHA"X"	WATER HAMMER ARRESTOR	–	–	1/2"	–	15
NOTES 1. FLOOR MOUNTED, FLUSH VALVE WATER CLOSET: AMERICAN STANDARD "MADERA FLOWISE" 2234.001, 1.28 GPF, WHITE VITREOUS CHINA, TOP OF RIM AT 15" AFF, 1–1/2" TOP SPUD. PROVIDE EXPOSED BATTERY POWERED, SENSOR OPERATED AUTOMATIC FLUSH VALVE, 1.28 GPF, CHROME PLATED AMERICAN STANDARD "SELECTRONIC" 6065.121.002. PROVIDE HEAVY DUTY OPEN FRONT SEAT, LESS COVER AMERICAN STANDARD 5905.100, 4"x4"x4" CLOSET FLANGE WITH WAX SEAL. 2. HANDICAP ACCESSIBLE, FLOOR MOUNTED, FLUSH VALVE WATER CLOSET: AMERICAN STANDARD "MADERA FLOWISE" 3043.001, 1.28 GPF, WHITE VITREOUS CHINA, TOP OF RIM AT 10 1/2" AFF, 1–1/2" TOP SPUD. PROVIDE EXPOSED BATTERY POWERED, SENSOR OPERATED AUTOMATIC FLUSH VALVE, 1.28 GPF, CHROME PLATED AMERICAN STANDARD "SELECTRONIC" 6065.121.002. PROVIDE HEAVY DUTY OPEN FRONT SEAT, LESS COVER AMERICAN STANDARD 5905.100, 4"x4"x4" CLOSET FLANGE WITH WAX SEAL. 3. WALL HUNG URINAL: AMERICAN STANDARD "WASHBROOK" 6590.001, WHITE VITREOUS CHINA, HIGH EFFICIENCY "WATERSENSE" LISTED. PROVIDE ZURN 1222 SUPPORT SYSTEM. COORDINATE MOUNTING HEIGHT(S) AND ADA DESIGNATIONS WITH ARCHITECTURAL DRAWINGS. SIPHON-JET, 3/4" TOP SPUD, 2" OUTLET. PROVIDE EXPOSED URINAL FLOWMETER (SENSOR OPERATED, BATTERY POWERED) CHROME PLATED, 0.5 GPF AMERICAN STANDARD "SELECTRONIS" 6063.051.002. 4. UNDERMOUNT LAVATORY: AMERICAN STANDARD "OVALYN" 0496.221 AND BATTERY POWERED, SENSOR OPERATED FAUCET WITH POLISHED CHROME FINISH ZURN "AQUASENSE" Z6915-XL. HANDICAP DRAIN OFFSET WITH GRID DRAIN ZURN 8746-PC AND CHROME PLATED P-TRAP ZURN Z8701-PC. CHROME PLATED BRASS ANGLE SUPPLY STOPS WITH 12" LONG X 3/8" FLEX SUPPLIES MCUIRE H165. WHERE NOT CONCEALED BY COUNTER SHROUD, INSULATE OFFSET, TRAP AND SUPPLY LINES TRUEBRO "LAVGUARD #103 EZ. 5. EXTERIOR NON-FREEZE WALL HYDRANT: WOODFORD MODEL B65, FREEZELESS BRASS WALL HYDRANT WITH BRASS BOX AND LOCKING DOW, INTEGRAL VACUUM BREAKER, 3/4" HOSE THREAD NOZZLE, AND LOOSE KEY TEE. INSTALL AT 24" ABOVE FINISHED GRADE. COORDINATE BARREL LENGTH WITH WALL THICKNESS. 6. THERMOSTATIC MIXING VALVE: SYMONS MODEL 4–10A POINT–OF–USE THERMOSTATIC MIXING VALVE, ALL ROUGH BRONZE CONSTRUCTION. 1/2" INLETS, 1/2" OUTLETS. MOUNT IN SUPPLY LINES TO ALL HAND SINKS. SET TO 105°F 7. FLOOR DRAIN – GENERAL: JAY R. SMITH MODEL 2010C–P050–NB CAST IRON BODY FLOOR DRAIN WITH ADJUSTABLE STRAINER HEAD, 3" INSIDE CAULK OUTLET, 5" DIA. NICKEL BRONZE STRAINER, AND 1/2" TRAP PRIMER CONNECTION. 8. FLOOR DRAIN – KITCHEN: JAY R. SMITH MODEL 2350C–NB CAST IRON BODY FLOOR DRAIN WITH FLASHING COLLAR, ADJUSTABLE STRAINER HEAD, 3" INSIDE CAULK OUTLET, 8" DIA. NICKEL BRONZE STRAINER, AND CAST IRON SEDIMENT BUCKET. SEE DETAIL. 9. FLOOR SINK: JAY R. SMITH MODEL 3430C–14 CAST IRON BODY FLOOR SINK WITH "SANI–CEPTOR" ACID-RESISTANT COATING, 8" DEEP BASIN, FLASHING COLLAR, ADJUSTABLE STRAINER HEAD, 3" INSIDE CAULK OUTLET, 12" SQUARE STRAINER WITH 2–1/2" DIA. CENTER HOLE CUT–OUT, AND ALUMINUM DOME STRAINER. 10. FLOOR CLEANOUT: JAY R. SMITH 4025 CAST IRON BODY FLOOR CLEANOUT WITH ADJUSTABLE SCORiated NICKEL BRONZE TOP. SEE DETAIL AND PLAN FOR SIZE. 11. GRADE CLEANOUT: JAY R. SMITH 4288–TP CAST IRON CLEANOUT WITH BRONZE CLEANOUT PLUG. SEE DETAIL AND PLAN FOR SIZE. 12. HUB DRAIN: SIOUX CHIEF 832 SERIES, ADJUSTABLE HUB DRAIN FIXTURE, PROVIDE STAINLESS STEEL MESH DEBRIS BASKET. PROVIDE ASS 1072 TRAP SEALER ZURN Z1072. 13. TRAP PRIMER VALVE: PRECISION PLUMBING PRODUCTS OREGON–1 AUTOMATIC TRAP PRIMER VALVE. ROUTE TRAP PRIMER LINE TO DRAIN, PER THE PLANS. 14. MOP SINK: 24"x24" FLOOR BASIN, FIAT MSB2424 AND SERVICE SINK FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS, PAIL HOOK, 3/4" HOSE THREAD ON SPOUT 830-AA. PROVIDE HOSE AND BRACKET 832-AA. MOP HANGAR 889-CC, STAINLESS STEEL BUMBER GUARD E–88-AA AND STAINLESS STEEL WALL GUARD MSG2424. 15. WATER HAMMER ARRESTOR: JAY R. SMITH 5000 SERIES STAINLESS STEEL WATER HAMMER ARRESTOR. PDI SIZE DESIGNATION INDICATED ON PLANS ("X").						
ACCEPTABLE MANUFACTURERS: VITREOUS CHINA FIXTURES: KOHLER, AMERICAN STANDARD, ELJER FLUSH VALVES: SLOAN, ZURN. FAUCETS: CHICAGO, DELTA, KOHLER, ZURN. FIXTURE SUPPORTS: JAY R. SMITH, JOSAM, ZURN, WADE. ELECTRIC WATER COOLERS: OASIS, HAWS, HALSEY TAYLOR, ELKAY DRAINS & CLEANOUTS: JAY R. SMITH, JOSAM, ZURN, WADE. WALL HYDRANTS: WOODFORD, JAY R. SMITH, SIOUX CHIEF. WATER HAMMER ARRESTORS: JAY R. SMITH, SIOUX CHIEF. THERMOSTATIC MIXING VALVES: SYMONS, LAWLER.						

PLUMBING LEGEND		
ABBREVIATION	SYMBOL	DESCRIPTION
CW		POTABLE COLD WATER
HW		POTABLE HOT WATER (140° F)
HW		POTABLE HOT WATER (TEMPERED)
HWR		POTABLE HOT WATER RETURN
FW		FILTERED POTABLE COLD WATER
S, W, SAN		SOIL, WASTE OR SANITARY (BELOW FLR. U.N.O.)
GW		GREASE TRAP WASTE LINE (BELOW FLR. U.N.O.)
V		VENT
G		NATURAL GAS LINE
TP		TRAP PRIMER LINE
DN		PIPE TURNING DOWN
UP		PIPE TURNING UP
		PIPE TURNING DOWN W/ TEE
BV		BALL VALVE
GV		GATE VALVE
		GLOBE VALVE
PRV		PRESSURE REDUCING VALVE
		AGA RATED GAS SHUT-OFF VALVE
GPR		GAS PRESSURE REGULATOR
		SOLENOID/AUTOMATIC CONTROL VALVE
BFP		BACKFLOW PREVENTER (SPECIFY TYPE)
CV		CHECK VALVE
		STRAINER
		UNION
		THERMOMETER
PG		PRESSURE GAUGE WITH GAUGE COCK
WHA		WATER HAMMER ARRESTOR
		VACUUM RELIEF VALVE
NFWH		NON-FREEZE WALL HYDRANT
GCO/FCO		GRADE CLEANOUT / FLOOR CLEANOUT
		P-TRAP
FD		FLOOR DRAIN
FS		FLOOR SINK
HD		HUB DRAIN

PLUMBING GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND ORDINANCES ADOPTED BY THE LOCAL AUTHORITIES.
2. THE CONTRACT DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO CONVEY A FUNCTIONAL PLUMBING SYSTEM AND TO DEPICT THE GENERAL LOCATION OF THE SYSTEM COMPONENTS.
3. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND SHALL BE FAMILIAR WITH ALL THE REQUIREMENTS OF THE PROJECT. NOTIFY THE A/E OF ANY OBSERVED DISCREPANCIES AND/OR AMBIGUITY IN THE CONTRACT DOCUMENTS SUCH THAT THESE MAY BE RESOLVED PRIOR TO SUBMISSION OF PRICING BIDS.
4. BY SUBMISSION OF BID, THE CONTRACTOR SHALL ACKNOWLEDGE ACCEPTANCE OF THE CONTRACT DOCUMENTS AS AN ADEQUATE DEFINITION OF THE SCOPE OF WORK AND EXTRA COST CLAIMS BASED ON INADEQUACY OF CONTRACT DOCUMENTS WILL NOT BE CONSIDERED.
5. ALL WORK ON THIS PROJECT SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS AND THE LOCAL AHJ.
6. CONTRACTOR SHALL THOROUGHLY CLEAN THEIR WORK AREA DAILY. THE CONTRACTOR SHALL REMOVE ALL TRASH OR SCRAP CAUSED BY THEIR SCOPE OF WORK AT COMPLETION OF WORK.
7. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS FOR PROPER EQUIPMENT INSTALLATION PRIOR TO SUBMITTING EQUIPMENT SHOP DRAWINGS FOR APPROVAL.
8. CONTRACTOR SHALL VERIFY ALL VOLTAGE AND POWER REQUIREMENTS AND COORDINATE WITH ELECTRICAL CONTRACTOR AS REQUIRED.
9. ALL SYSTEMS SHALL BE CLEAN OF FOREIGN MATERIAL AND ROUGH SPOTS PRIOR TO BEING PLACED IN SERVICE AND BEFORE OPERATIONAL TEST ARE PERFORMED.
10. THE CONTRACTOR SHALL LOCATE ALL EQUIPMENT WHICH MUST BE SERVICED, OPERATED OR MAINTAINED IN FULLY ACCESSIBLE POSITION. EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, VALVES, TRAPS, CLEAN OUTS, MOTORS, CONTROLLERS, DRAIN PUMPS, ETC. IF REQUIRED FOR ACCESSIBILITY. FURNISH ACCESS PANELS FOR THIS PURPOSE. MINOR DEVIATIONS FROM THE DRAWINGS MAY BE MADE TO ALLOW FOR BETTER ACCESSIBILITY, AND ANY CHANGE FOR THAT PURPOSE SHALL BE SUBMITTED FOR APPROVAL AND FIELD DOCUMENTED ON REDLINE DRAWING PRINTS.
11. CONTRACTOR IS PROHIBITED FROM USING LEAD BASED SOLDER FOR ANY SYSTEM WHICH COMES IN CONTACT WITH DOMESTIC, OR POTABLE WATER.
12. CONTRACTOR AND MATERIAL SUPPLIERS SHALL BE RESPONSIBLE FOR INSPECTION OF JOB CONDITIONS AFFECTING THE INSTALLATION OF AN ITEM AND FOR TAKING ALL FIELD MEASUREMENTS PRIOR TO THE FABRICATION OR PURCHASE OF THE ITEM TO ENSURE THAT THE ITEM CONCERNED WILL INTEGRATE PROPERLY WITH ALL ADJACENT MATERIALS AND WILL FIT ALL OTHER CONDITIONS AS THE EXIST OR WILL EXIST IN THE FINISHED BUILDING. SLEEVES, ANCHORS OR ITEMS EMBEDDED IN OR AFFECTING OTHER PORTIONS OF THE WORK SHALL BE LOCATED AND SET WHILE SUCH PORTIONS OF THE WORK ARE IN PROGRESS.
13. UNLESS OTHERWISE SPECIFIED, ALL ANCHORS, BOLTS, SCREWS, FITTINGS, FILLER, HARDWARE, ACCESSORIES, TRIM AND OTHER PARTS REQUIRED FOR, OR IN CONNECTION WITH, AN ITEM OR MATERIAL TO MAKE A COMPLETE, SERVICEABLE, FINISHED AND QUALITY INSTALLATION SHALL BE FURNISHED AS PART OF THE ITEM OR MATERIAL, WHATEVER CALLED FOR OR NOT.
14. UNLESS OTHERWISE SPECIFICALLY MENTIONED, ALL ITEMS AND PARTS THEREOF THAT ARE MADE OF STEEL, IRON OR OTHER FERROUS METAL THAT ARE NOT GALVANIZED, PLATED OR OTHERWISE SPECIFIED TO BE FACTORY FINISHED, SHALL BE CLEANED AND PAINTED WITH ONE COAT OF HIGH QUALITY RUST INHIBITIVE METALLIC PRIMER. AFTER INSTALLATION, ALL EXPOSED METAL CONNECTIONS AND ABRASIONS SHALL BE TOUCHED-UP WITH THE SAME MATERIAL AS THE SHOP COAT AND LEFT IN GOOD CONDITION FOR FINAL FINISHING, IF REQUIRED.
15. ALL ITEMS SHALL BE FURNISHED AND INSTALLED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST RECOGNIZED PRACTICE IN THE FIELD CONCERNED. MANUFACTURED ITEMS AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED DIRECTIONS, SPECIFICATIONS AND WRITTEN RECOMMENDATIONS. ALL WORKING PARTS SHALL BE PROPERLY ADJUSTED AFTER INSTALLATION AND LEFT IN PERFECT WORKING ORDER. ITEMS IN ALL CASES SHALL BE INSTALLED PLUMB.
16. ALL DIMENSIONS SHOWN ARE NOMINAL DIMENSIONS, EQUIPMENT AND CLEARANCES SHOWN SHALL BE COMPLIED WITH AS MINIMUM REQUIREMENTS.
17. PIPE PENETRATIONS THROUGH FIRE RATED WALLS OR FLOORS SHALL HAVE EQUIVALENTLY RATED SLEEVES AND SHALL BE SEALED AND FIRE CAULKED WITH A UL LISTED FIRE STOPPING SYSTEM INSTALLED IN ACCORDANCE WITH THE MFR'S LISTED DETAILS AND SPECS.
18. THE CONTRACTOR SHALL PAY FOR AND OBTAIN ALL NECESSARY FEES, PERMITS AND INSPECTIONS FOR APPLICABLE PORTIONS OF THE WORK.
19. LAOUT SHOWN IS DIAGRAMMATIC. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL & ELECTRICAL DRAWINGS TO ENSURE ALL PLUMBING WORK IS PROVIDED TO FACILITATE PLUMBING SERVICES FOR ALL EQUIPMENT PROVIDED ON THE PROJECT, NEW OR EXISTING TO REMAIN. PROVIDE NECESSARY OFFSETS, RISES, AND PIPING TO COORDINATE WITH THE BUILDING STRUCTURE AND THE WORK OF OTHER TRADES.
20. PLUMBING FIXTURES SHOWN ON FLOOR PLANS ARE ARCHITECTURAL SYMBOLS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS AND LOCATION OF PLUMBING FIXTURES. (IE SINK SIZE AND COUNTERTOP SPACE, ETC.) PLUMBING FIXTURE SCHEDULE GOVERNS EXACT TYPE AND CONFIGURATION OF EACH FIXTURE.
21. THE CONTRACTOR SHALL OBTAIN EXACT WALL, FIXTURE, AND LAOUT DIMENSIONS FROM THE ARCHITECTURAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ROUGH-IN AND INSTALLATION DRAWINGS FOR ALL PLUMBING FIXTURES, KITCHEN EQUIPMENT, OWNER FURNISHED EQUIPMENT, AND SHALL COORDINATE THE PLUMBING INSTALLATION PRIOR TO COMMENCING THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL NECESSARY VALVES, CONNECTIONS, TRAPS, ACCESS PANELS, UNIONS, ESCUTCHEONS, WATER HAMMER ARRESTORS, VACUUM BREAKERS, RELIEF VALVES, PIPE INSULATION, AND EQUIPMENT SPECIALTY DEVICES AS REQUIRED TO FACILITATE COMPLETE AND OPERATIONAL CONDITIONS WHICH ARE IN STRICT COMPLIANCE WITH THE FIXTURE OR EQUIPMENT, MANUFACTURERS INSTALLATION INSTRUCTIONS.
22. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE CIVIL DRAWINGS AND ACTUAL SITE CONDITIONS TO ENSURE SANITARY, STORM AND GREASE WASTE INVERTS AVAILABLE ON SITE WILL ACCOMMODATE THE PLANNED BUILDING GRAVITY DRAINAGE PIPING. REPORT ANY DISCREPANCIES PRIOR TO COMMENCING WITH THE WORK.
23. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE THE REQUIREMENTS OF THE COUNTY HEALTH DEPARTMENT AND OTHER LOCAL AUTHORITIES HAVING JURISDICTION REGARDING CROSS CONNECTION CONTROL OR OBTAINING A FOOD SERVICE PERMIT. REPORT ANY OBSERVED DISCREPANCIES TO THE A/E PRIOR TO COMMENCING WITH THE WORK.
24. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL UNDERSLAB PLUMBING WITH THE STRUCTURAL FRAMING DRAWINGS, STRUCTURAL FOUNDATION DRAWINGS, GRADE BEAMS, THICKENED SLABS, AND ALL FOOTINGS.
25. COORDINATE THE ELECTRICAL REQUIREMENTS AND CHARACTERISTICS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO PURCHASING EQUIPMENT. SHOP DRAWINGS SHALL INDICATE VOLTAGE, PHASE, MINIMUM CIRCUIT AMPACITY, AND MAXIMUM OVERCURRENT PROTECTION.
26. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE ARCHITECTURAL DRAWINGS FOR ADEQUATE WALL THICKNESS TO ENSURE ALL SANITARY PIPING, VENT PIPING, WATER PIPING, WALL CLEANOUTS, HOSE BIBBS, NON FREEZE HOSE BIBBS, AND RECESSED ACCESS PANELS WILL FIT IN WALL SPACE. CONTRACTOR SHALL NOTIFY THE ARCHITECT IF WALL SPACE IS INADEQUATE PRIOR TO COMMENCING WITH THE WORK.
27. NO PLUMBING WATER PIPING IS ALLOWED IN AN EXTERIOR WALL. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IF CHASE SPACE IS INADEQUATE OR IF FIXTURES ARE LOCATED ON OUTSIDE WALLS. ROUTE ALL PIPING ON WARM SIDE OF BUILDING INSULATION.
28. PRESSURE TESTS SHALL BE PERFORMED TO PROVE PIPING SYSTEMS INSTALLED TO BE TIGHT UNDER PRESSURE AND DURATION AS FOLLOWS: PRESSURE PIPING: MAINTAIN 150 PSI HYDROSTATIC PRESSURE FOR 1 HOUR. NATURAL GAS PIPING: MAINTAIN 10 PSI AIR PRESSURE FOR 24 HOURS, OR AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.

TEST BY SECTION OR BY ENTIRE SYSTEM. CLOSE OFF OPENINGS WITH PLUGS OR SECTIONALIZING VALVES. PROVE TIGHTNESS OF SYSTEM WITHOUT LOSS OF TEST LEVEL OR PRESSURE. CORRECT ANY LEAKS AND RETEST.

29. AFTER POTABLE WATER SYSTEM HAS BEEN PROVEN TO BE TIGHT UNDER PRESSURE, DISINFECT THE PIPING SYSTEM IN ACCORDANCE WITH FEDERAL SPECIFICATION BB--C-120 AND THE FOLLOWING:

DRAIN AND REFILL PIPING SYSTEM WITH WATER CONTAINING 50 PARTS PER MILLION AVAILABLE CHLORINE, LET STAND FOR 6 HOURS, DRAIN, AND FLUSH CHLORINATED WATER FROM SYSTEM BEFORE PLACING IN SERVICE. SUBSEQUENT TO THE DISINFECTING OF THE POTABLE WATER PIPING SYSTEM, WATER SAMPLES SHALL BE SENT TO THE LOCAL HEALTH DEPARTMENT (LHD) OR INDEPENDENT LABORATORY APPROVED BY THE LHD FOR TESTING. APPROVAL SHALL BE OBTAINED FROM THE LHD OR INDEPENDENT LABORATORY BEFORE THE POTABLE WATER SYSTEM IS PLACED INTO SERVICE. PROVIDE CERTIFIED REPORTS TO ARCHITECT. MARK ALL FAUCETS, SINKS AND VALVES NON POTABLE, DO NOT DRINK UNTIL DISINFECTION IS COMPLETED.

UPON COMPLETION OF CLEANING, FLUSHING AND CHLORINATION, HAVE LOCAL HEALTH DEPARTMENT CERTIFY IN WRITING THAT THE BUILDING WATER SYSTEM IS SAFE FOR DRINKING.

P000

SCHEDULE – PLUMBING PIPING AND VALVES

KEYED NOTES:

(A) INSULATION IS REQUIRED FOR ALL ABOVEGROUND POTABLE WATER PIPING, INCLUDING DOMESTIC COLD WATER, HOT WATER, AND HOT WATER RETURN.

(B) 1/8" PER FOOT MINIMUM SLOPE.

(C) PAINT ALL EXPOSED EXTERIOR PIPING W/ONE COAT OF PRIMER & TWO COATS OF RUST-PROOF PAINT.

[illegible]

PLUMBING VALVES & ACCESSORIES:

1. Unions: Unions on ferrous pipe shall be ground joint with brass to iron seats and unions on copper piping shall be cast bronze with sweat ends.
2. Dielectric Unions: Dissimilar pipe materials shall be connected with dielectric pipe fittings/unions rated at 250 PSIG at 180°F and are designed to meet the requirements of ANSI B16.39, including hydrostatic strength, tensile strength, and air pressure testing. Fittings and unions shall be Watts 3000 series or approved equal by Dart, Rockwood, or Walworth.
3. Gate Valves: Gate valves shall be bronze, rising stem type, screwed end for ferrous piping and solder end for copper piping, rated for 125 psi SWP.
4. Globe Valves: Globe valves shall be equipped with renewable seating surface (composition disc, renewable ring—seal). Valves shall be rising stem type, bronze screwed end for ferrous piping and solder end for copper piping, rated for 125 psi SWP.
5. Ball Valves: Ball valves shall be equipped with two-piece body, conventional port, bronze trim, TFE seat rings, and blowout proof stem. Valves shall be rated at 125 SWP/400 WOG and meet Federal Specifications: WW-V-35, Type II, Class A, Style 3.
6. Check Valves: Swing check valves shall have 45° seating angle, disc seat access and renewable seating. Valves shall be bronze, screwed end for ferrous piping and solder end for copper piping.
7. Strainers: Strainers shall be bronze body wye-type with 1/16" stainless steel mesh, 125 psi SWP minimum.
8. Pressure Gauges: Gauges shall be 4 1/2" dial, micro adjustable pointer, screwed ring, fiberglass reinforced polypropylene case, plexiglass window, solid front, blowout back and shall be designed so the gauge can be liquid filled in the field by the addition of a kit where water is a problem. Accuracy 1/2 full scale, 0-250 psi for domestic water service. Trellis #450 or approved equal by Astech or Palmer. Each gauge shall be provided with Trellis 735-2 needle valve cock, 885-1 syphon, 872-2 snubber.

SCHEDULE – GAS WATER HEATER

TAG	MODEL	STORAGE CAPACITY	GAS INPUT (BTUH)	GPH RECOVERY Ⓢ 80°F RISE	TEMP OF WATER TO BE DELIVERED	ACCESSORIES/NOTES
GWH-1	BTX-100	50	100,000	145	140°F	1,2,3
REQUIRED ACCESSORIES: 1. T & P RELIEF VALVE, DRAIN VALVE, DIELECTRIC FITTINGS ON INLET & OUTLET, BALL VALVE ON INLET, THERMOMETER ON OUTLET, EXPANSION TANK, VACUUM RELIEF VALVE, SEE DETAIL. 2. SEALED COMBUSTION, DIRECT VENT HEATER WITH CONCENTRIC VENT KIT. 3. 5-YEAR COMMERCIAL WARRANTY.						
SELECTIONS BASED ON - A.O. SMITH APPROVED EQUAL - RHEEM						

SCHEDULE – PLUMBING PUMPS

TAG	MODEL	GPM	T.D.H.	HP	RPM	SERVES	ACCESSORIES
PP-1	SERIES 100	7	10	1/12	1750	WH-1	1
REQUIRED ACCESSORIES: 1. CONTROLLED BY LINE VOLTAGE IMMERSION AQUASTAT. SELECTIONS BASED ON - BELL & GOSSETT APPROVED EQUAL - TACO, GRUNDFOS							

GAS LOAD SUMMARY

DESCRIPTION	GAS LOAD (BTUH)
BUILDING HEATING	300,000
WATER HEATING	100,000
TOTAL GAS LOAD	400,000 BTUH @ 2 PSI DELIVERY PRESSURE
<u>NOTES:</u> 1. COORDINATE GAS LOADS AND SERVICE LINES WITH GAS COMPANY. CONTRACTOR SHALL COMPLETE ALL REQUIRED APPLICATIONS AND PAY ALL ASSOCIATED FEES.	

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CHK'D BY: JWE

PROJECT DESCRIPTION:

CONVENIENCE STORE

PROJECT TITLE:

C-STORE
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UNION CITY GA 30349

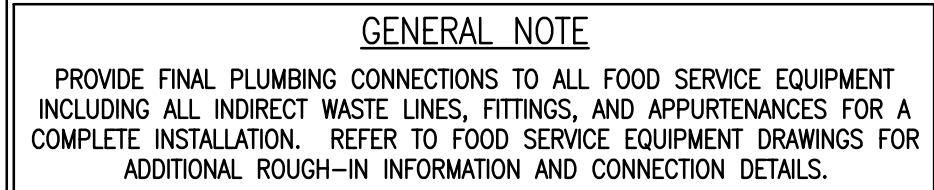
SHEET TITLE:

PLUMBING SCHEDULES & DETAILS

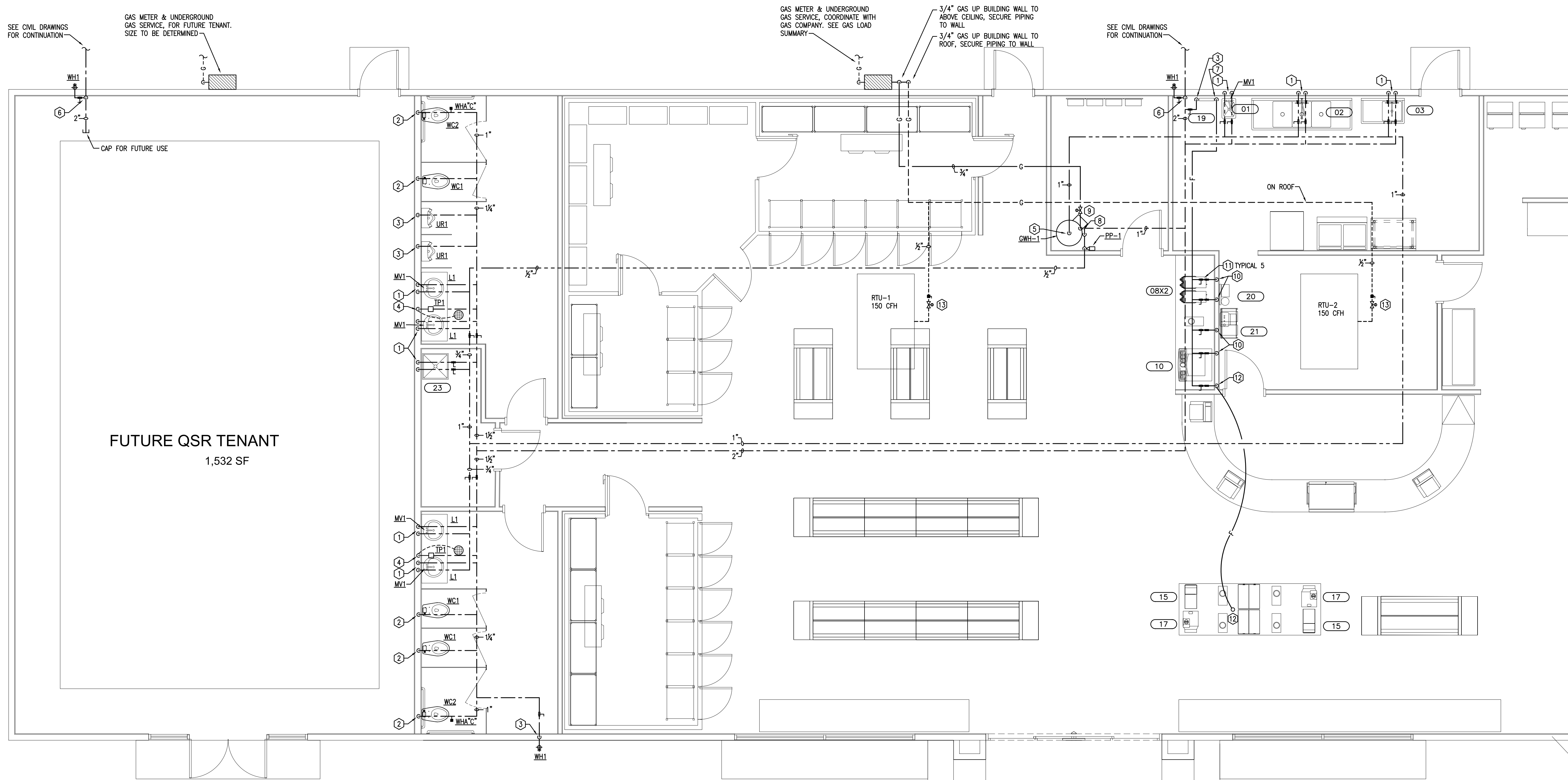
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PLAN KEY NOTES

- ① 1/2" H&CW DN.
- ② 1" CW DN.
- ③ 3/4" CW DN.
- ④ 1/2" CW DN TO BELOW FLOOR & 1/2" SOFT COPPER TUBING TO FD, HD.
- ⑤ 1" HW UP FROM WATER HEATER, SEE DETAIL.
- ⑥ 2" WATER SERVICE, SEE DETAIL.
- ⑦ 3/4" FW UP.
- ⑧ 1" CW, 1/2" HWR & 1/4" GAS DN TO WATER HEATER, SEE DETAIL.
- ⑨ VENTLESS GAS PRESSURE REGULATOR, SIZED FOR 100 CFH @ 2PSI INLET. 7"W.C. OUTLET.
- ⑩ 1/2" FW DN.
- ⑪ SHUT OFF VALVE AND BACKFLOW PREVENTOR.
- ⑫ 3/4" FW DN TO BELOW FLOOR & 3/4" SOFT COPPER TUBING BELOW FLOOR & UP BELOW ISLAND CABINET. DISTRIBUTE TO BEVERAGE EQUIPMENT.
- ⑬ GAS PRESSURE REGULATOR, SIZED FOR 150 CFH @ 2PSI INLET. 7"W.C. OUTLET.

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FLOOR PLAN - WATER & GAS

SCALE: 1/4"=1'-0"

DENOTES KITCHEN EQUIPMENT - REFER TO FOOD SERVICE PLANS FOR ADDITIONAL INFORMATION.

GENERAL NOTE

PROVIDE FINAL PLUMBING CONNECTIONS TO ALL FOOD SERVICE EQUIPMENT INCLUDING ALL INDIRECT WASTE LINES, FITTINGS, AND APPURTENANCES FOR A COMPLETE INSTALLATION. REFER TO FOOD SERVICE EQUIPMENT DRAWINGS FOR ADDITIONAL ROUGH-IN INFORMATION AND CONNECTION DETAILS.

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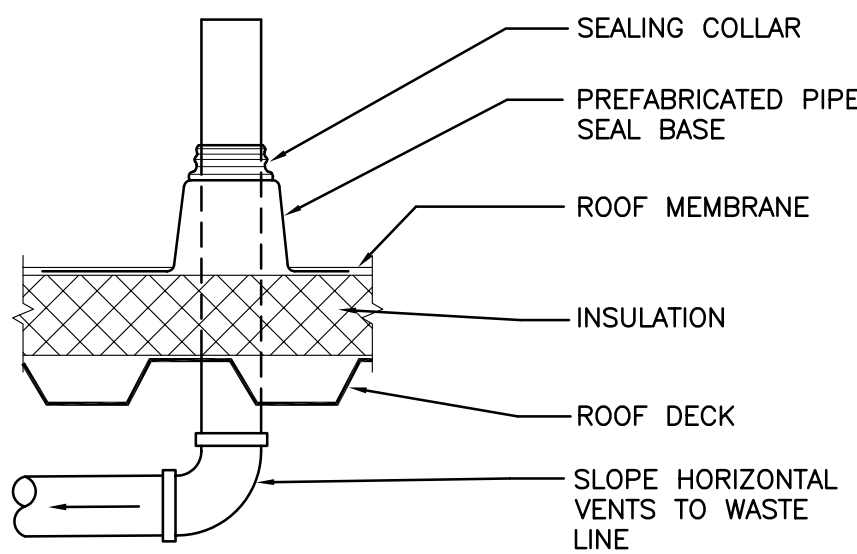
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FLOORPLAN
WATER & GAS

PROJECT NO: 24024

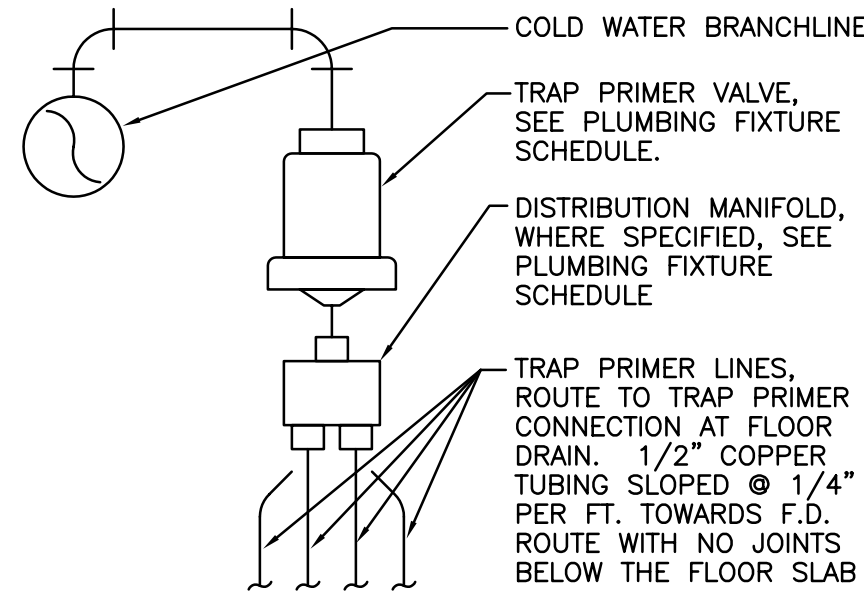
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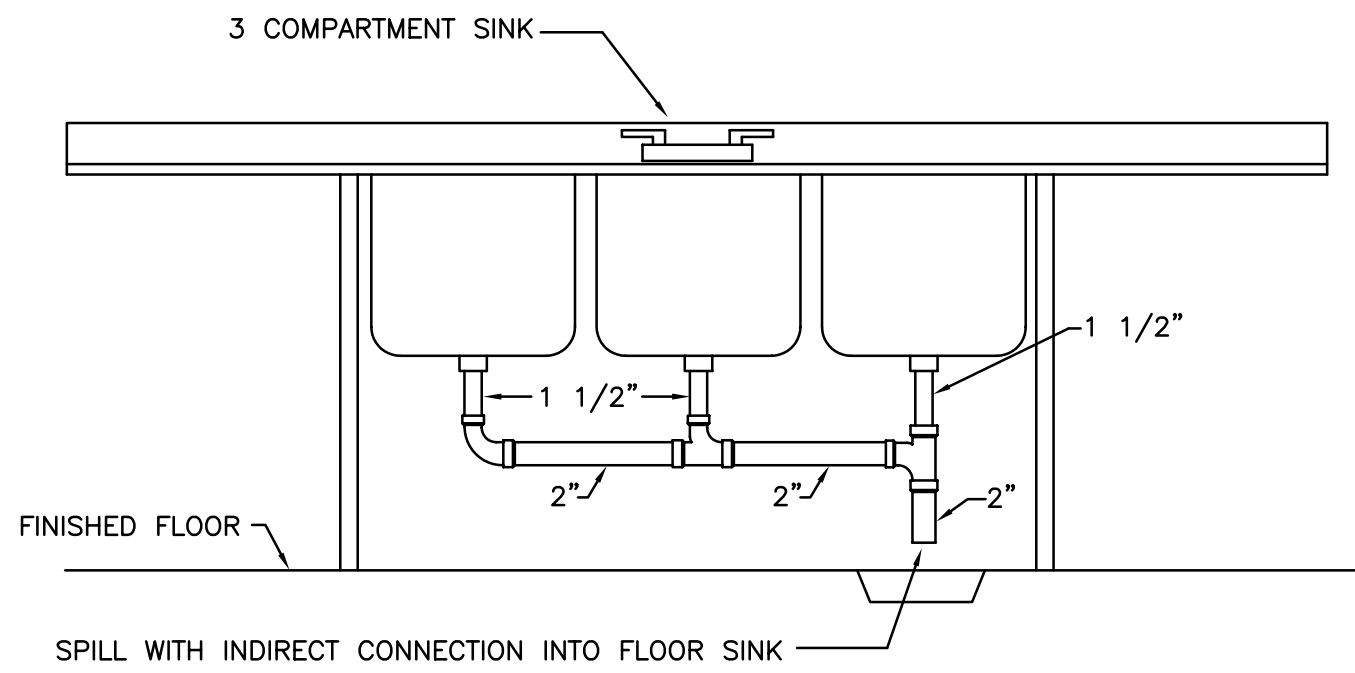


DETAIL NOTES:
1. TERMINATE VENTS THRU ROOF MINIMUM 10'-0" FROM ANY OUTSIDE AIR INTAKES (TYP.)
2. COORDINATE EXACT ROOF SLOPE AND FLASHING DETAILS WITH ARCHITECT AND ROOFING CONTRACTOR.

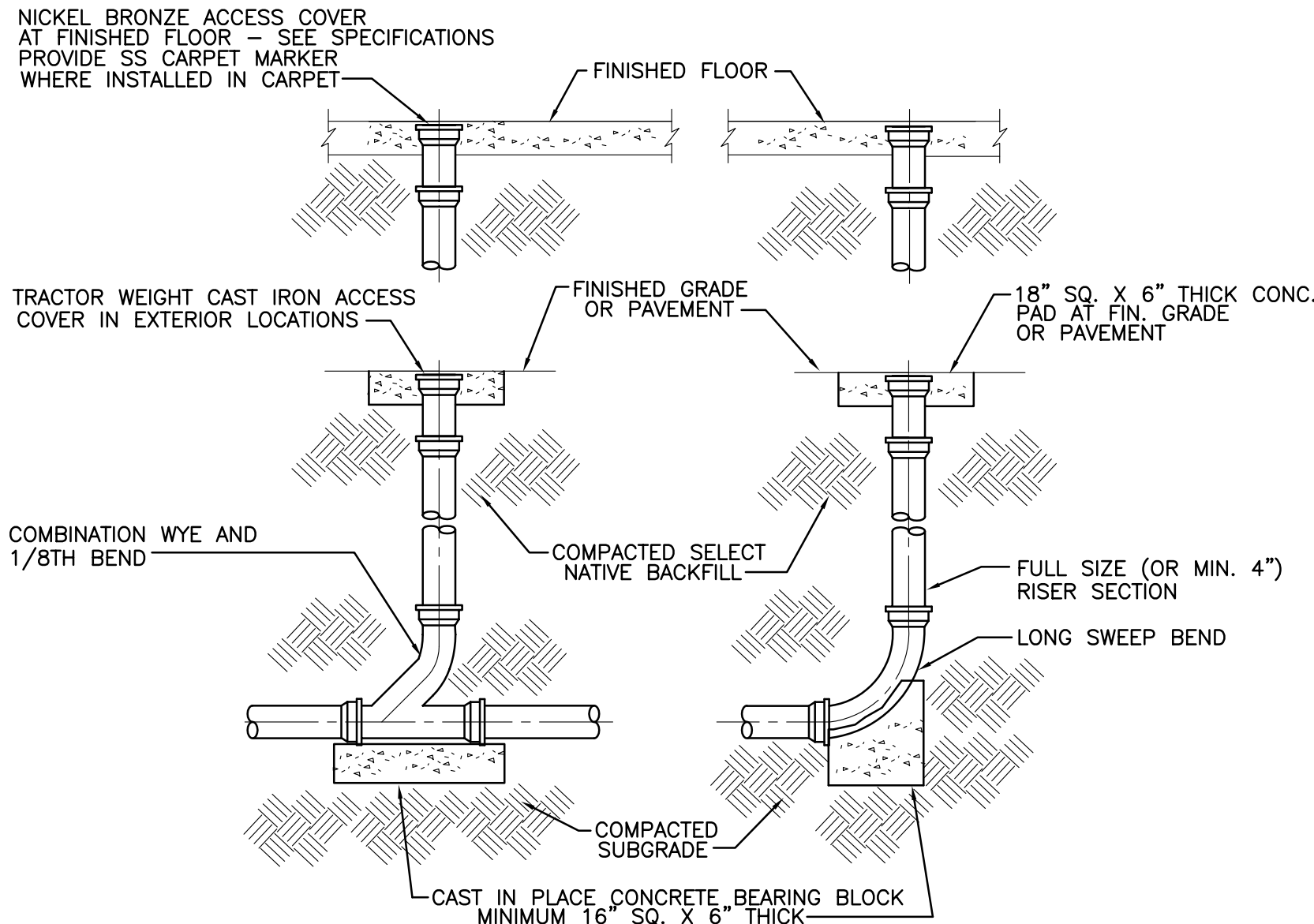
1 VENT THROUGH ROOF DETAIL
P200 SCALE: NOT TO SCALE



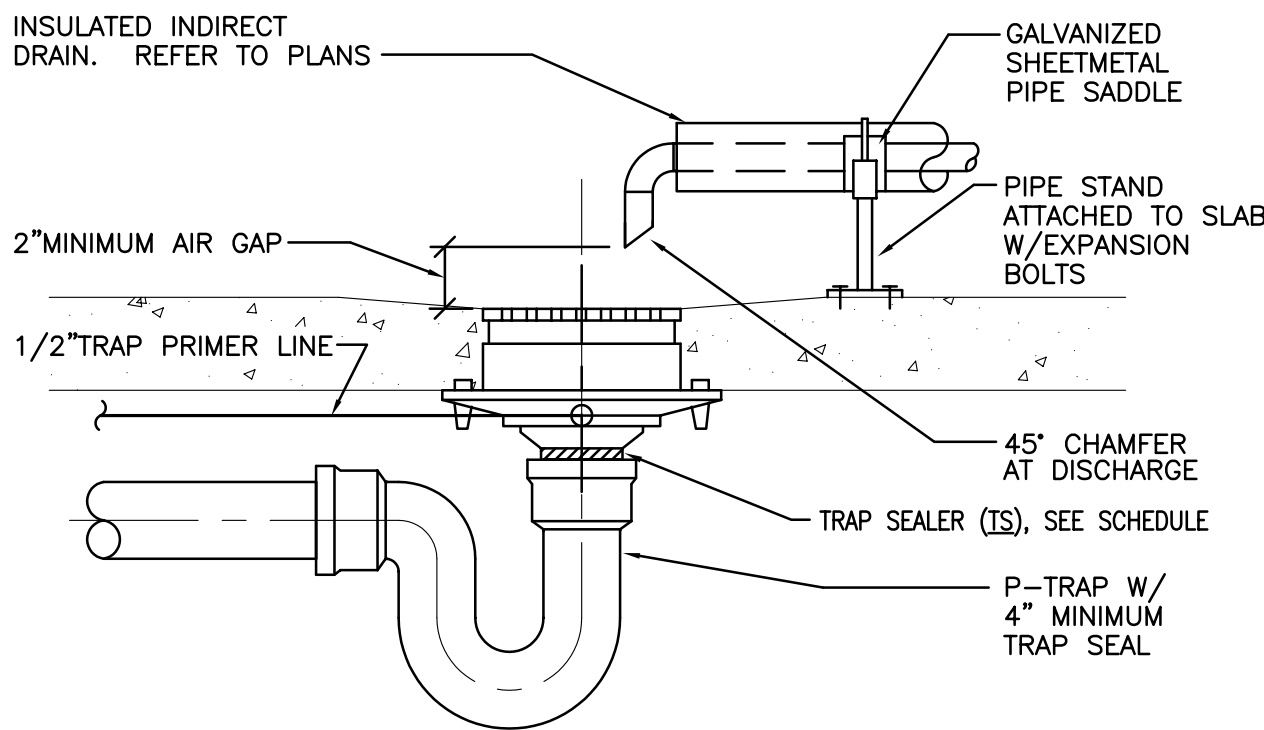
2 TRAP PRIMER DETAIL
P200 SCALE: NOT TO SCALE



3 THREE COMPARTMENT SINK DETAIL
P200 SCALE: NOT TO SCALE

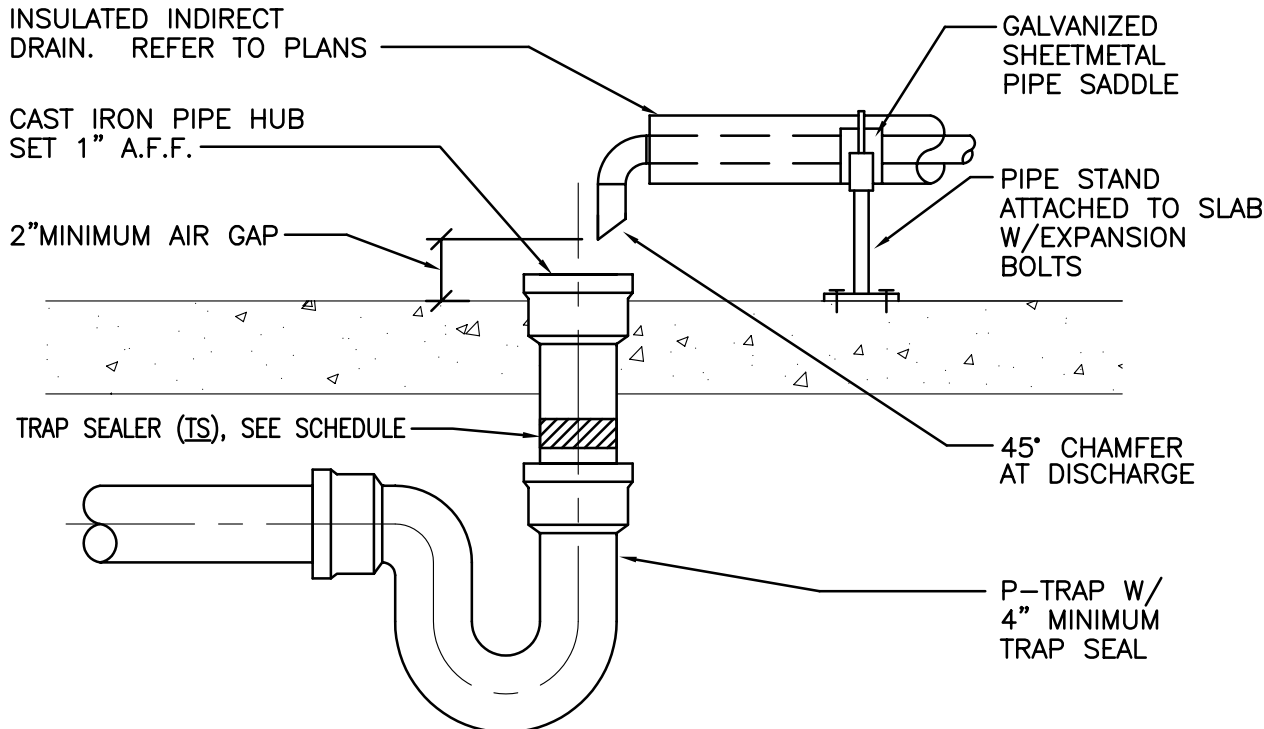


4 FLOOR & GRADE CLEANOUT DETAILS
P200 SCALE: NOT TO SCALE



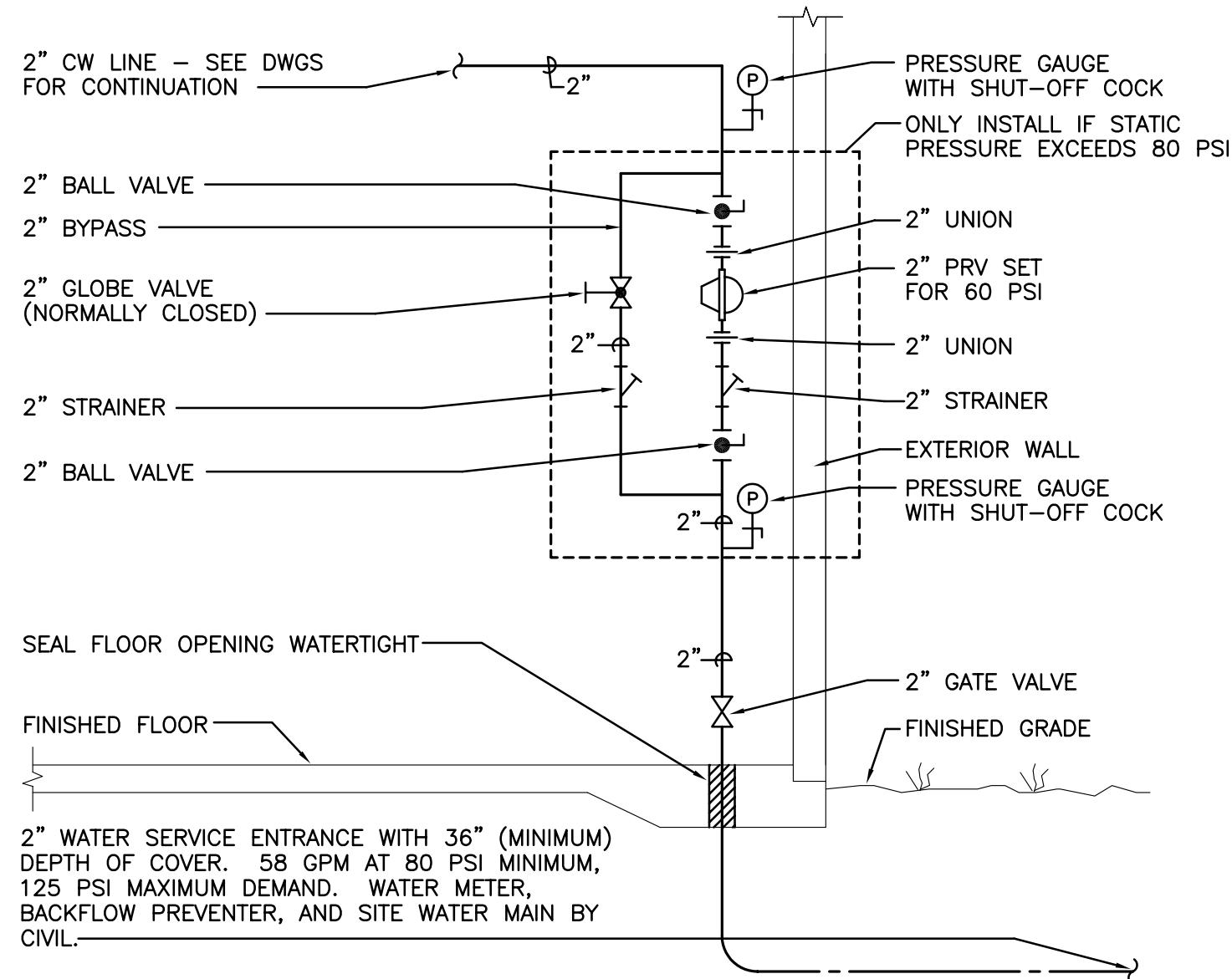
DETAIL NOTES:
1. PROVIDE TRAP SEALER (TS) FOR SYSTEMS CONNECTED TO GREASE WASTE SYSTEM. PROVIDE TRAP PRIMER VALVE FOR TOILET ROOM SYSTEMS. SEE PLANS AND SCHEDULES.
2. INSULATION REQUIRED ONLY FOR INDIRECT WASTE LINES RECEIVING CONDENSATE FROM REFRIGERATION EQUIPMENT (A/C UNITS, EVAPORATORS, ICE-MAKER, ETC.) REFER TO PLANS AND COORDINATE FOR OTHER TRADES.
3. SPILL INDIRECT WASTE OVER OPENINGS IN DRAIN GRATES, WHERE SPECIFIED.

5 FLOOR DRAIN/FLOOR SINK DETAIL
P200 SCALE: NOT TO SCALE



DETAIL NOTES:
1. INSULATION REQUIRED ONLY FOR INDIRECT WASTE LINES RECEIVING CONDENSATE FROM REFRIGERATION EQUIPMENT (A/C UNITS, EVAPORATORS, ICE-MAKER, ETC.) REFER TO PLANS AND COORDINATE FOR OTHER TRADES.

6 HUB DRAIN DETAIL
P200 SCALE: NOT TO SCALE

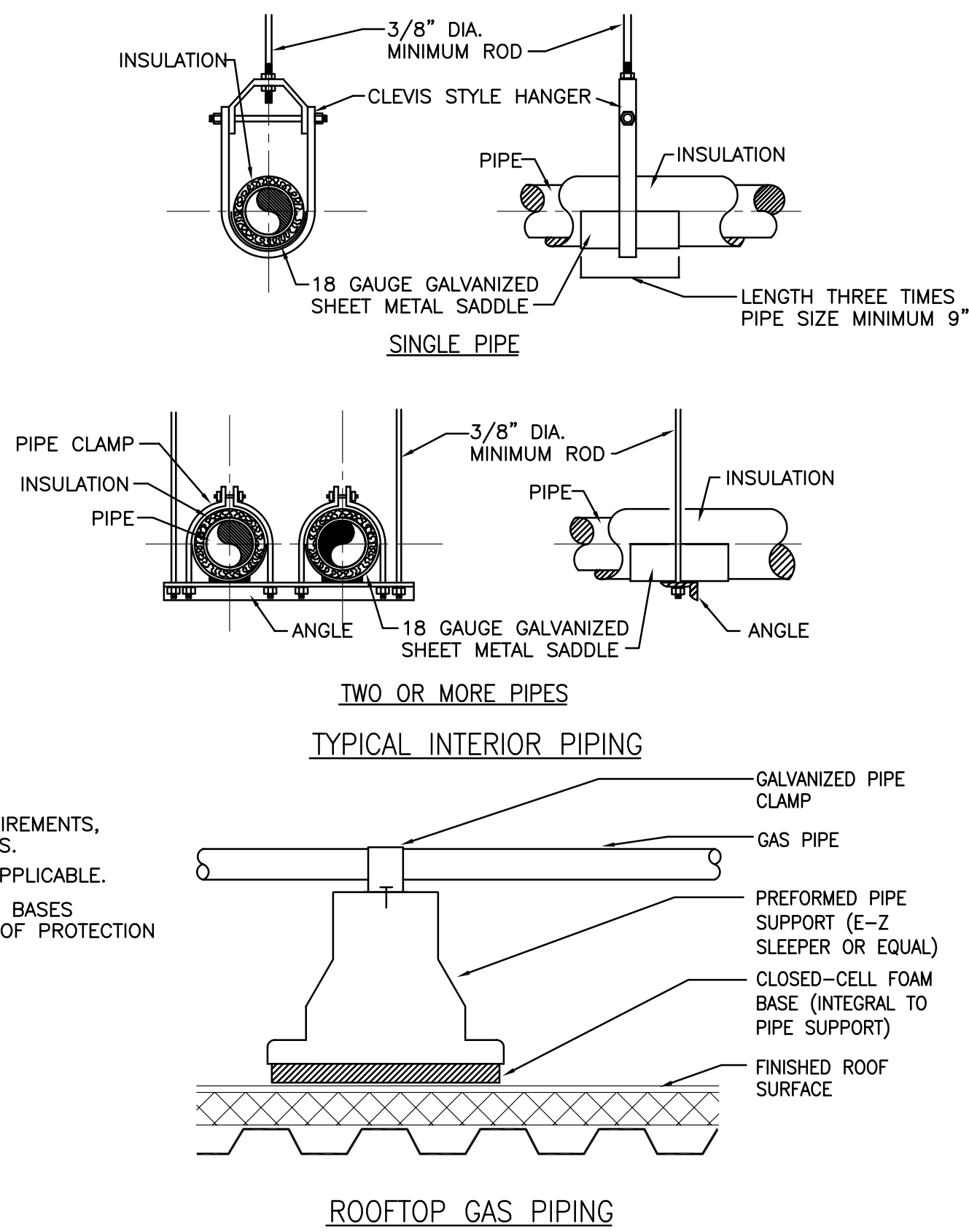


DETAIL NOTES:
1. PRV'S TO BE WATTS SERIES N223B OR APPROVED EQUAL
2. PROVIDE ADDITIONAL PRV UPSTREAM OF BACKFLOW PREVENTER IF INCOMING PRESSURE EXCEEDS 125 PSI. COORDINATE FINAL SELECTION WITH FLOW AND PRESSURE TESTS TO ENSURE PROPER OPERATION.

7 DOMESTIC WATER SERVICE ENTRANCE DETAIL
P200 SCALE: NOT TO SCALE

PIPE SUPPORT SPACING SCHEDULE		
PIPE SIZE	STEEL/C.I. SPACING	COPPER SPACING
UP TO 3/4"	6'-0"	5'-0"
1"	6'-0"	5'-0"
1 1/4"	7'-0"	6'-0"
1 1/2"	9'-0"	8'-0"
2"	10'-0"	8'-0"
2 1/2"	10'-0"	8'-0"
3"	10'-0"	10'-0"
4"	12'-0"	10'-0"
5"	12'-0"	12'-0"
6"	12'-0"	12'-0"

DETAIL NOTES:
1. HANGERS ARE TYPICAL FOR UNINSULATED PIPING (WITHOUT INSULATION AND SADDLES.)
2. CONNECT TO TOP OR BOTTOM CHORD OF JOISTS BUT ONLY AT PANEL POINTS.
3. PIPE HANGERS SHALL COMPLY WITH LOCATE SEISMIC REQUIREMENTS, AND MSS-SP-69 STANDARD FOR PIPE HANGER ASSEMBLIES.
4. SEE SEISMIC RESTRAINT DETAIL FOR GAS PIPING, WHERE APPLICABLE.
5. PROVIDE PRE-FAB (MIRO OR EQUAL) ROOF PIPE SUPPORT BASES FOR ALL PIPING ON ROOF. COORDINATE FLASHING OR ROOF PROTECTION MEMBRANES WITH THE ROOFING CONTRACTOR.

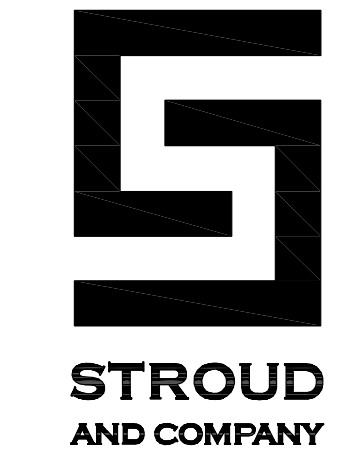
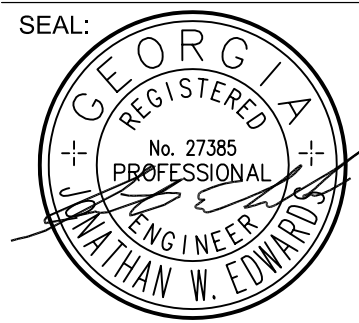


8 TYPICAL PIPE HANGER & SPACING DETAILS
P200 SCALE: NOT TO SCALE

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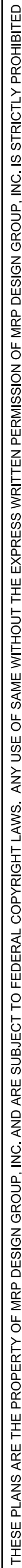
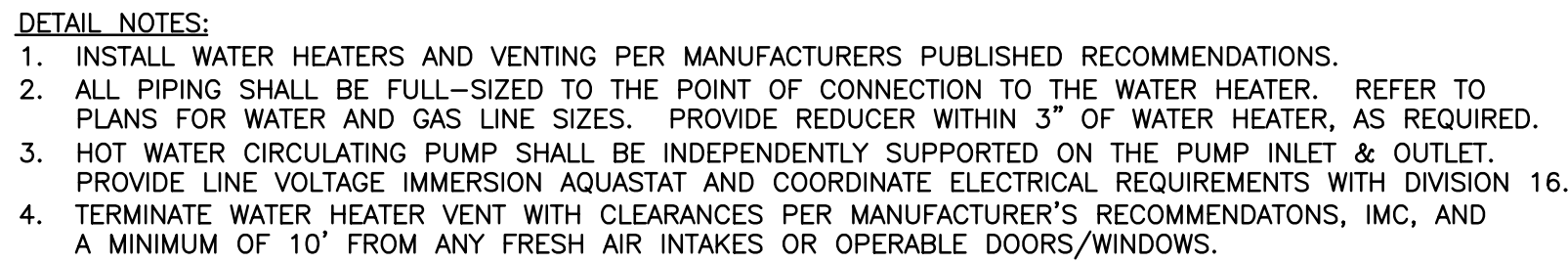
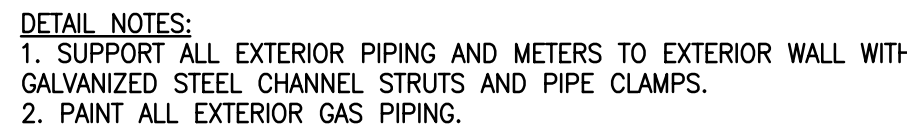
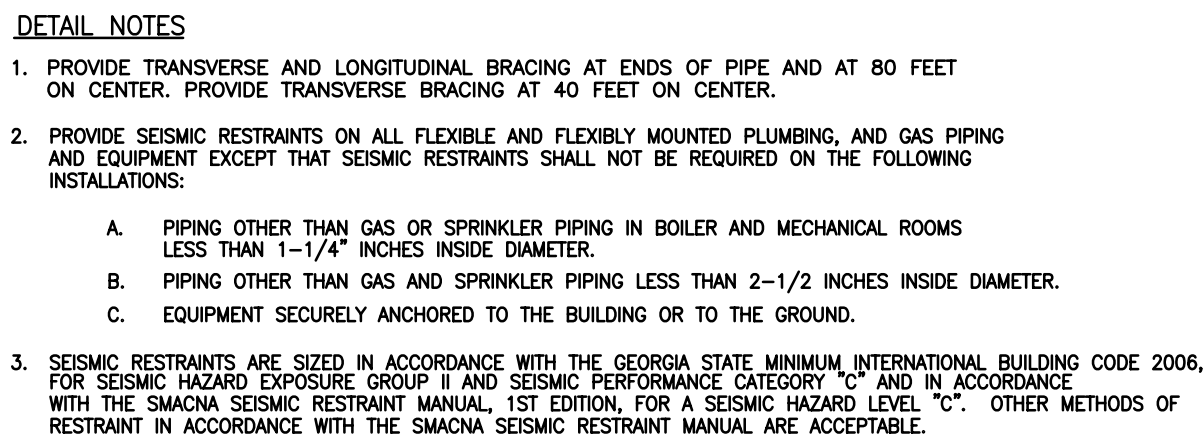
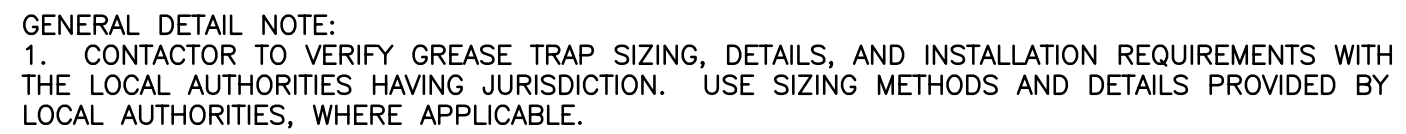
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PLUMBING
DETAILS

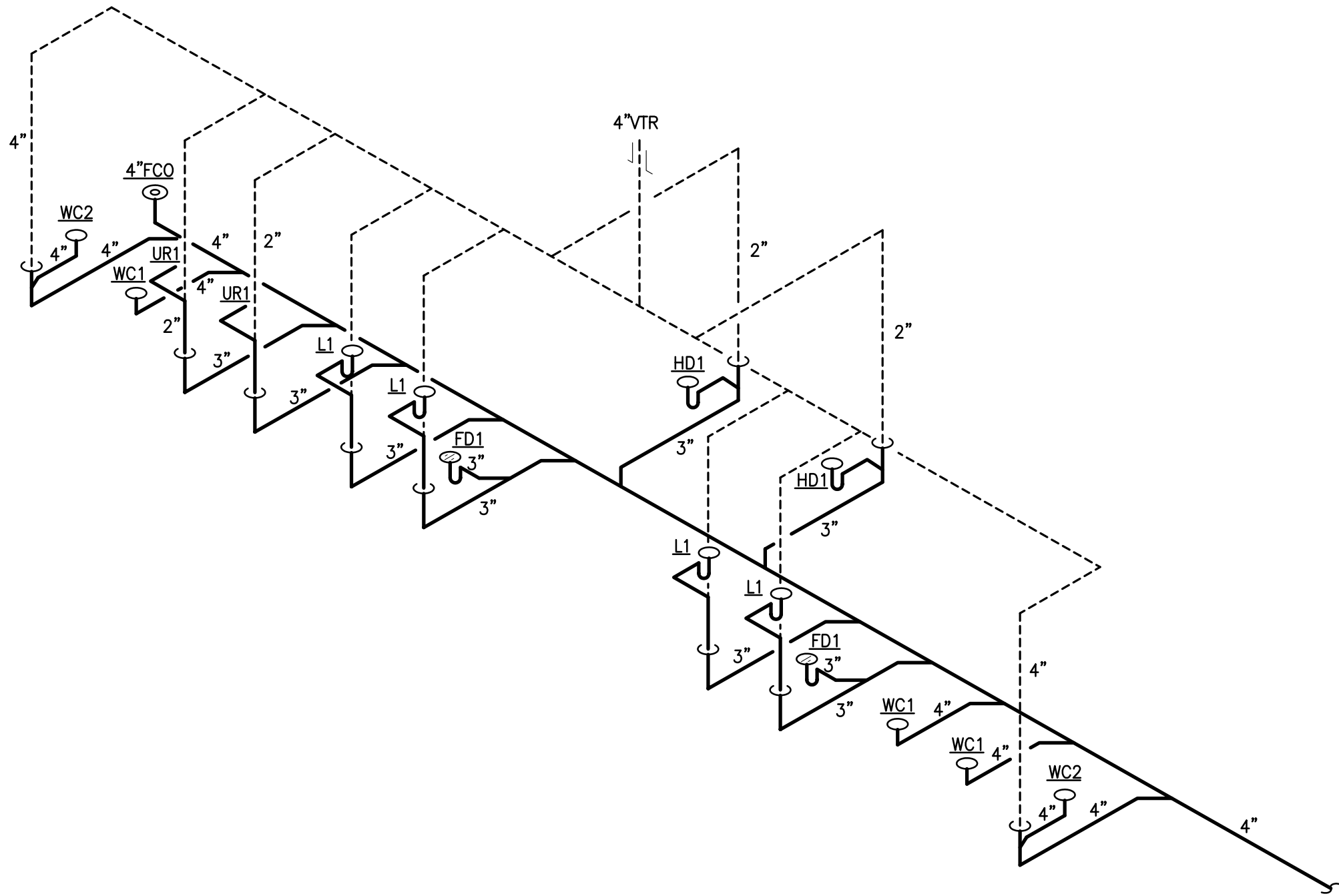
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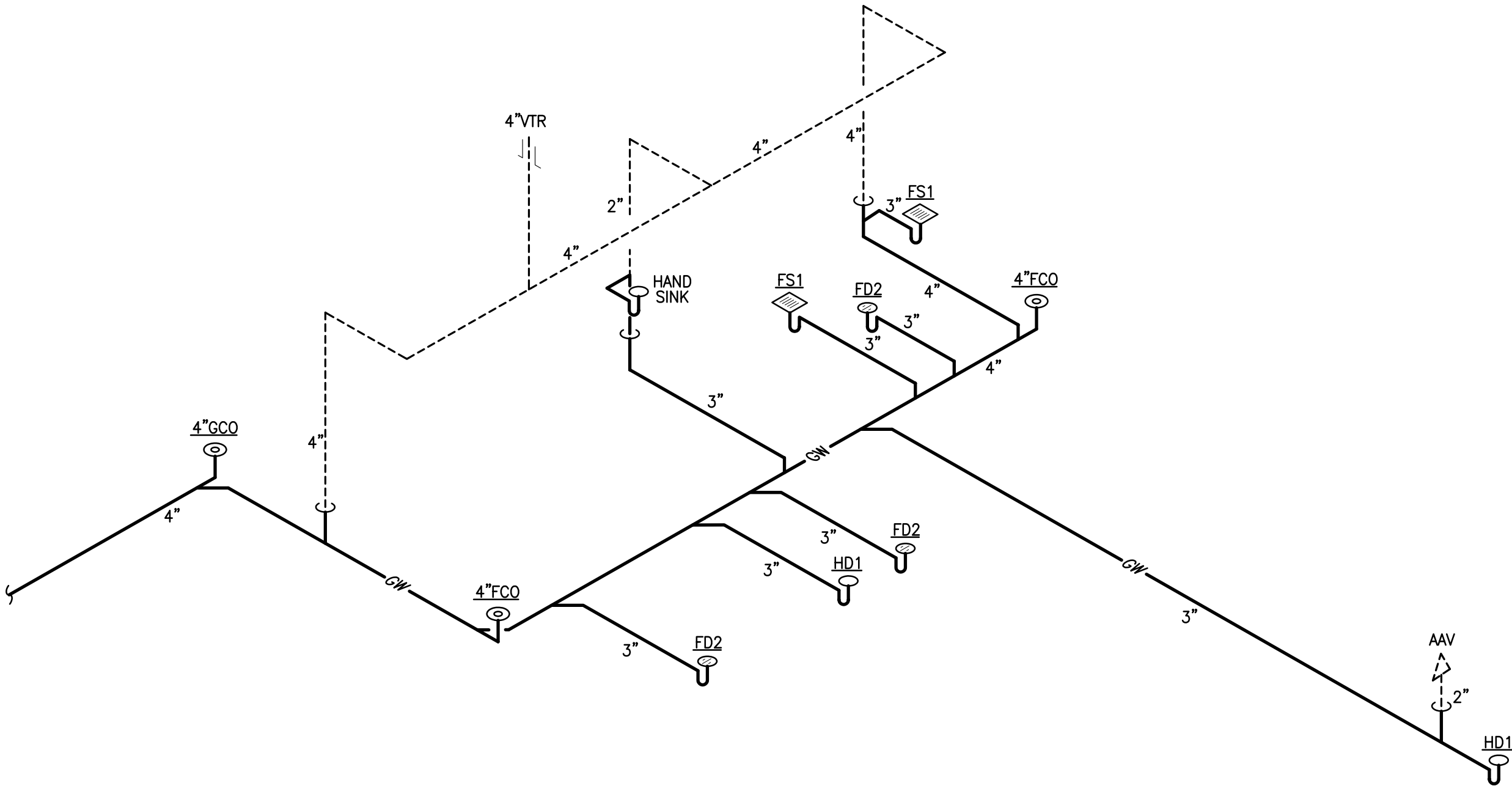
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2
P300

SANITARY WASTE AND VENT RISER DIAGRAM

SCALE: NOT TO SCALE



1
P300

GREASE WASTE AND VENT RISER DIAGRAM

SCALE: NOT TO SCALE

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RISER
DIAGRAMS

PROJECT NO: 24024

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