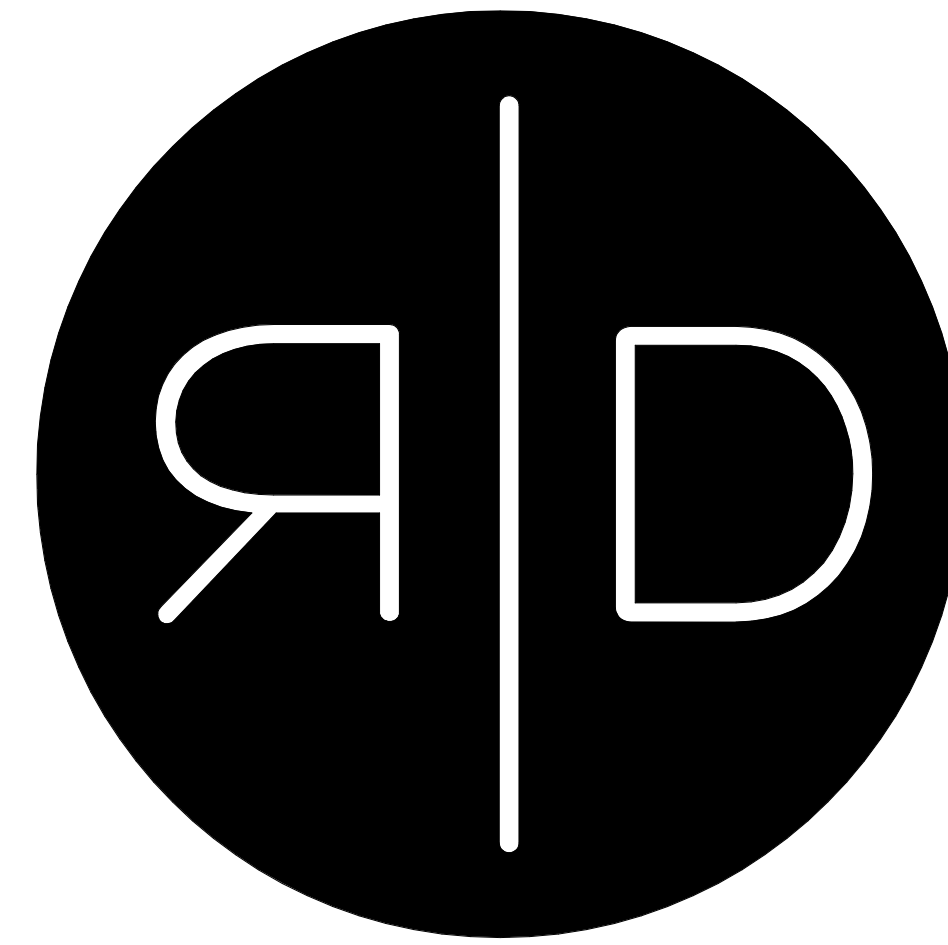


Red Door Grill - Lee's Summit Streets of Pryor

Streets of Pryor, Lot 1



RED DOOR WOODFIRED GRILL

Construction Documents

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C4.0	Site Plan
C5.0	Utility Plan
C5.1	Roof Drain Plan and Profile
C6.0	Grading Plan & Storm Line A Plan & Profile
C7.0	ADA Parking Area
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Project Information

Owner / Developer:	PVG Properties II LLC 3612 Karnes Blvd. Suite 111 Kansas City, MO 64111
Zoning:	PMIX
Adjoining Tract Use:	Undeveloped commercial tracts zoned PMIX
Project Narrative:	The project consists of a new building for a restaurant, Red Door Woodfired Grill. The restaurant is open to the public from 10 a.m. until 11 p.m.

Annotations and Symbols

Detail Number	A1	Interior Elevation	0' 2' 4' 8'	Graphic Scale
Sheet Number	A201	Name Elevation		Elevation Mark
Detail Number	A1	Detail Reference	000-0	Door Number
Sheet Number	A251	Section Reference	ROOM NAME 101	Room Name Room Number
Detail Number	A1	Section Reference	2	Revision Reference
Sheet Number	A251	View Title	00'-00"	Ceiling Height
Detail Number	A1	View Title	A	Wall Tag
Sheet Number	A251	View Title		North Arrow
1/4" = 1'-0"				

Symbols Legend

1/4" = 1'-0"

Construction Cost Scope Information

The General Contractor shall track construction cost of the following scopes:

- Site Work and Utilities (Site Scope)
- Shell Building (Shell Scope)
- Tenant Improvements (T.I. Scope)

The **Site Scope** shall generally include all work 5' beyond the building's footprint, unless noted otherwise. Site scope work will include but not be limited to site earthwork and grading, site utilities (storm water sewer, sanitary sewer, water main / domestic water / fire line service, electrical service), curb and gutter, asphalt pavement, concrete sidewalks, parking lot lighting, landscaping, and irrigation.

The **Shell Scope** shall generally include work within the building's footprint and within 5' of its perimeter, unless noted otherwise. Shell scope will include but not be limited to footings and foundations, gravel and low volume change material, the exterior envelope and its framing and structure, thermal insulation, exterior finishes, roofing, exterior doors, windows, and storefront, mezzanine and stair framing and subfloor, plumbing utilities within 5' of the building perimeter (sanitary, grease, and storm lines, domestic water entries, fire line entries, and hydrants), building mounted exterior lighting and emergency fixtures, and electrical house panels and disconnects. Construction including walls, doors, fixtures, and finishes at Mechanical Room 113 and Liquor Storage 102 (roof access) shall be shell scope.

The **T.I. Scope** shall generally include interior construction and finishes, rooftop mechanical equipment, interior mechanical / electrical / plumbing fixtures and associated distribution, metal guardrails and handrails, south patio and fireplace construction.

The following are scope clarifications.

- Shell Scope 1 Interior 5" concrete perimeter ribbons and floor types C1, SC1, and PC3, W.W.F. reinforcement, and 15 mil vapor barrier. Grind and seal finishing of type PC3 shall be excluded from shell scopes.
- Shell Scope 2 Trash enclosure wall, foundation, gate, and paving
- Shell Scope 3 Grease interceptor and associated grease lines and vents
- Shell Scope 4 Walk-in cooler yard enclosure wall, foundation, gate, and paving
- T.I. Scope 1 Interior 5" concrete floor types C2 and PC1, W.W.F. reinforcement, and 15 mil vapor barrier. (4" gravel and 20" low volume change material to be shell scope), finishing of PC3 perimeter ribbon (grind and seal with adjacent PC1 slab), and concrete bar curb type PC4.
- T.I. Scope 2 South patio, including:
 - patio foundation, structure and roof
 - concrete paving (type P2), steps, and metal handrails
 - fireplace structure, foundation, chimney flues, and gas fire
 - fenced enclosure and gate
 - exterior lighting mounted to the patio/chimney structure
- T.I. Scope 3 Plumbing fixtures, waste and supply lines, vents, etc. where indicated.
- T.I. Scope 4 Metal guards and handrails at mezzanine and metal guards and handrails at the mezzanine stairs.
- T.I. Scope 5 Rooftop mechanical equipment. Rooftop equipment shown on A1/A103 roof plan shown for location/reference. Equipment selections and specifications are provided in the mechanical /electrical documents.
- Refer to structural for framing for mechanical roof and side wall openings. Coordinate opening size and location, Re: architectural Roof Plan and MEP documents.
- T.I. Scope 6 Interior gyp. board at exterior walls.

General Notes:

The execution of this project and acceptance thereof shall be governed by the criteria stated in AIA Document A201, General Conditions of the Contract for Construction. This AIA document sets out the rights, responsibilities and relationships of the owner, contractor and architect, and shall be incorporated by this reference into the contractual obligation of the parties noted therein.

The following notes are a partial list of requirements/instructions that are to supplement these "general conditions of the contract for construction". Where one is more restrictive, it shall take precedence.

- The architect appreciates your experience and perspective. If you have questions or observations please bring them to our attention. In a competitive bidding arrangement, we will make public all comments or clarifications so that everyone bidding the work is equally educated. The last thing we want is the bidder with the least information to be awarded the work.
- Means and methods are the prerogative of the contractor; the intent of the documents and the dictated results are not. While we understand there is usually more than one way to skin a cat, just because that's the way you've always done it may not make it right for this project. Get answers to your questions, seek clarification and/or a review of your ideas **BEFORE** you place a bid. Because we respect you and the others who bid this work, once you enter into a contract, we'll hold your feet to the fire. **BID IT AND BUILD IT LIKE IT IS SHOWN OR GET ALTERNATIVES APPROVED IN WRITING BEFORE YOU MAKE A COMMITMENT.**
- There is never perfect weather for the entire duration of a project. The corps of engineers publishes "anticipated" days of inclement weather for specific areas of country. That information will be used to gauge contractor's claims of "unanticipated" weather related increases to construction time and/or construction costs.
- Make allowances in the construction time and/or costs for these "anticipated" weather related disruptions. This includes but is not limited to protecting the project during inclement weather or making seasonal adjustments to the construction process. Contractors who have not lived in this part of the Midwest for the past few years need not submit a bid.
- The work shall be performed by the contractor in accordance with applicable building codes, regulations and ordinances.
- The contractor shall be responsible for applicable fees, permits, inspections, testing and/or licenses unless specifically noted otherwise.
- Do not scale drawings. Follow the written dimensions.
- All dimensions are to face of stud, face of concrete, face of masonry, or to column lines unless noted otherwise.
- All the vertical gypsum board/drywall shall be 5/8" thick unless noted otherwise.
- Anticipate patching areas where walls are to be added and/or openings are req'd during construction.
- New materials and construction move (expand and/or shrink). Make allowances for expansion and/or contraction of the new materials or equipment or building components subject to movement, particularly where dissimilar materials meet.
- Coordinate the work of the different trades. Install the necessary parts, sleeves, recesses and/or openings in work which receives, contacts or connects to other work installed by other trades. The first guy in isn't always right.
- The drawings are in part based on the sizes/relationships of anticipated furnishings, kitchen, bar, &/or mechanical equipment. This may be different from the items actually provided by the contractor. The sooner shop drawings for proposed items are presented and approved, the less likely something will need to be taken apart.
- If you have a question or discover conflicting information, please get clarification from the architect. Thank you.
- Glazing in areas subject to human impact in hazardous locations shall comply with the requirements of section 2406 of the IBC.
- Unless specifically stated otherwise, install products and materials per manufacturer's instructions.
- Contractor shall notify owner if hazardous materials including but not limited to mold, asbestos, lead paint, etc. are suspected and/or detected. Hazardous materials abatement shall be the responsibility of the owner where applicable.

ARCHITECTURAL
URBAN PRAIRIE
COLLABORATIVE, P.C.

Red Door Grill - Lee's Summit
Construction Documents
2061 NW Lowenstein Dr.
Lee's Summit, MO 64081



food service
TriMark Hockenbergs
10550 Barkley, Ste. 201
Overland Park, Kansas 66212
p. 913.945.2490

mechanical, electrical, and plumbing
Welch and Mitchell
4370 W. 109th St., Ste. 203
Overland Park, KS 66211
913.544.1627

structural
Bob D. Campbell
4338 Belleview
Kansas City, MO 64111
816.531.4144

civil
SM Engineering
5507 High Meadow Circle
Manhattan, Kansas 66503
785.341.9747

architectural
URBAN PRAIRIE ARCHITECTURAL
COLLABORATIVE, P.C.
4523 Mercier Street
Kansas City, Missouri 64111
p 816.304.7416
pinto@urbanprairiecc.com

Missouri Certificate of Authority: #
PROJECT NUMBER: 20-033
ISSUE DATE: 9 April, 2021

REVISIONS	DATE
1 Bid/Permit Set	04.16.2021
2 Addendum 01	05.03.2021
3 Plans Review Comments	05.12.2021

Cover Sheet

A000

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FINAL DEVELOPMENT PLANS

FOR LOT 1

STREETS OF WEST PRYOR

LEE'S SUMMIT, MO

UTILITIES
 Electric Service
 Evergy
 Nathan Michael
 913-347-4310
 nathan.michael@evergy.com

Gas Service
 Spire
 Katie Darnell
 816-969-2247
 katie.darnell@spireenergy.com

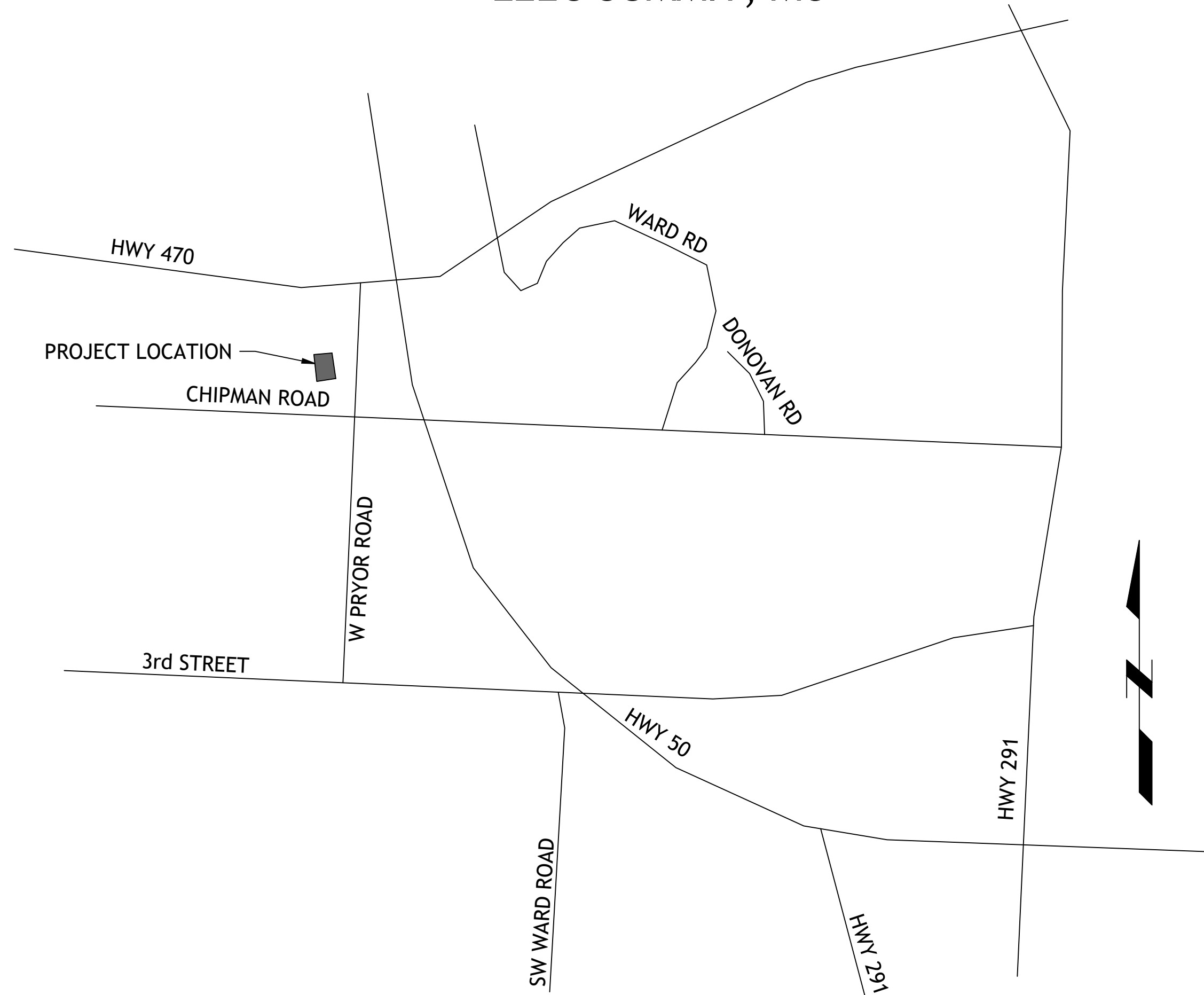
Water/Sanitary Sewer
 Water Utilities Department
 1200 SE Hamblen Road
 Lee's Summit, Mo 64081
 Jeff Thorn
 816-969-1900
 jeff.thorn@cityofls.net

Communication Service
 AT&T Carrie Cilke
 816-703-4386
 cc3527@att.com

Time Warner Cable
 Steve Baxter
 913-643-1928
 steve.baxter@charter.com

Comcast
 Ryan Alkire
 816-795-2218
 ryan.alkire@cable.comcast.com

Google Fiber
 Becky Davis
 913-725-8745
 rebeccadavis@google.com



LOCATION MAP

NOTE:
 THERE ARE NO OIL / GAS WELLS ON SITE
 PER ALTA SURVEY

LEGAL DESCRIPTION:
 LOT 1 & 2 STREET OF WEST PRYOR
 LEE'S SUMMIT, MO, JACKSON COUNTY MISSOURI

ALL EXISTING TOPOGRAPHIC DATA AND INFRASTRUCTURE IMPROVEMENTS SHOWN BASED ON
 INFORMATION BY KAW VALLEY ENGINEERING

BENCHMARKS:
 #1 CHISELED "SQUARE" ON TOP OF CURB POINT OF INTERSECTION OF WEST PARK PARKING LOT AT EAST
 DRIVE ENTRANCE
 ELEVATION 985.05

#2 CHISELED "SQUARE" ON NORTHWEST CORNER AREA INLET, 25' EAST OF CURB LINE AND ON-LINE WITH
 SOUTH CURB OF LOWENSTEIN DRIVE AT 90° BEND IN ROAD
 ELEVATION 971.06

FLOODPLAIN NOTE:
 SUBJECT PROPERTY IS SHOWN TO BE LOCATED IN "OTHER AREAS ZONE X" ON THE FLOOD INSURANCE
 RATE MAP FOR JACKSON COUNTY, MISSOURI AND INCORPORATED AREAS. COMMUNITY PANEL NO.
 29095C0416G, REVISED JANUARY 20, 2017. "OTHER AREAS ZONE X" IS DEFINED AS "AREAS DETERMINED
 TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN". LOCATION DETERMINED BY A SCALED
 GRAPHICAL PLOT OF THE FLOOD INSURANCE RATE MAP.

UTILITY STATEMENT:

THE UNDERGROUND UTILITIES SHOWN HEREON ARE FROM FIELD SURVEY INFORMATION OF ONE-CALL LOCATED UTILITIES, FIELD SURVEY INFORMATION OF ABOVE GROUND OBSERVABLE EVIDENCE, AND/OR THE SCALING AND PLOTTING OF EXISTING UTILITY MAPS AND DRAWINGS AVAILABLE TO THE SURVEYOR AT THE TIME OF SURVEY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHERMORE, THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES BY EXCAVATION UNLESS OTHERWISE NOTED ON THIS SURVEY.

SAFETY NOTICE TO CONTRACTOR
 IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICE, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

WARRANTY/DISCLAIMER

THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER SM ENGINEERING NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE SM ENGINEERING PERSONNEL INSPECT AND CONTROL THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.

CAUTION- NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.

INDEX OF SHEETS

- C-1 COVER SHEET
- C-2 EXISTING CONDITIONS
- C-3 OVERALL SITE PLAN
- C-4 SITE PLAN
- C-5 UTILITY PLAN
- C-5.1 ROOF DRAIN PLAN AND PROFILE
- C-6 GRADING PLAN / STORM LINE A PLAN & PROFILE
- C-7 ADA PARKING AREA
- C-8 EROSION CONTROL
- C-9 EROSION CONTROL DETAILS
- C-10 DETAILS
- C-11 DETAILS
- C-12 DETAILS
- C-13 DETAILS
- C-14 LANDSCAPE PLAN
- SL101 PHOTOMETRICS
- SL200 LIGHTING SCHEDULE

DEVELOPER

SWP III, LLC
 C/O DRAKE DEVELOPMENT, LLC
 7200 W 132nd ST, SUITE 150
 OVERLAND PARK, KS 66213
 913-662-2630

ENGINEER

SM ENGINEERING
 SAM MALINOWSKY
 5507 HIGH MEADOW CIRCLE
 MANHATTAN KANSAS, 66503
 SMCIVILENGR@GMAIL.COM
 785.341.9747



SAMUEL D. MALINOWSKY
 PROFESSIONAL ENGINEER

SM Engineering

 5507 High Meadow Circle
 Manhattan Kansas, 66503
 smcivilengr@gmail.com
 785.341.9747

Drawings and/or Specifications are original proprietary work and property of the Engineer and intended specifically for this project. Use of items contained herein without consent of the Engineer is prohibited. Drawings illustrate best information available to the Engineer. Field verification of actual elements, conditions, and dimensions is required.

Revisions
 4-2-21 CITY COMMENTS
 4-12-21 CLIENT COMMENTS
 4-16-21 BID/PERMIT SET

RED DOOR GRILL
 LOT 1 STREETS OF PRYOR
 LEE'S SUMMIT, MO.

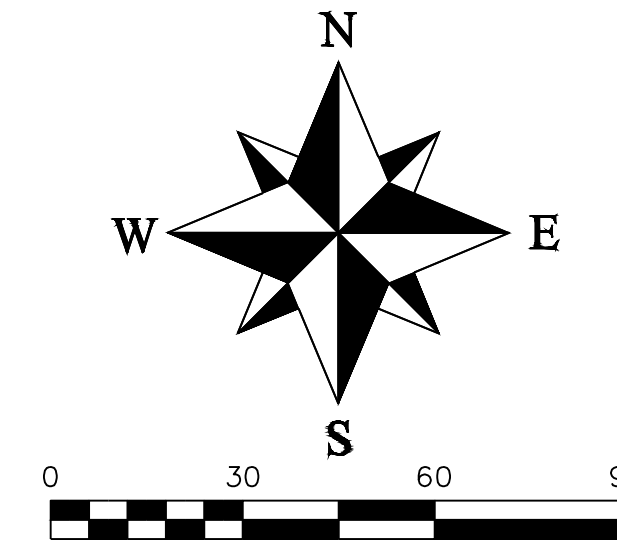
sheet
C1.0
 Civil
 Site Improvement Plan
 permit
 11 MARCH 2021

Topographic Survey

Streets of West Pryor Lots 1 & 2

Section 35, Township 48, Range 32

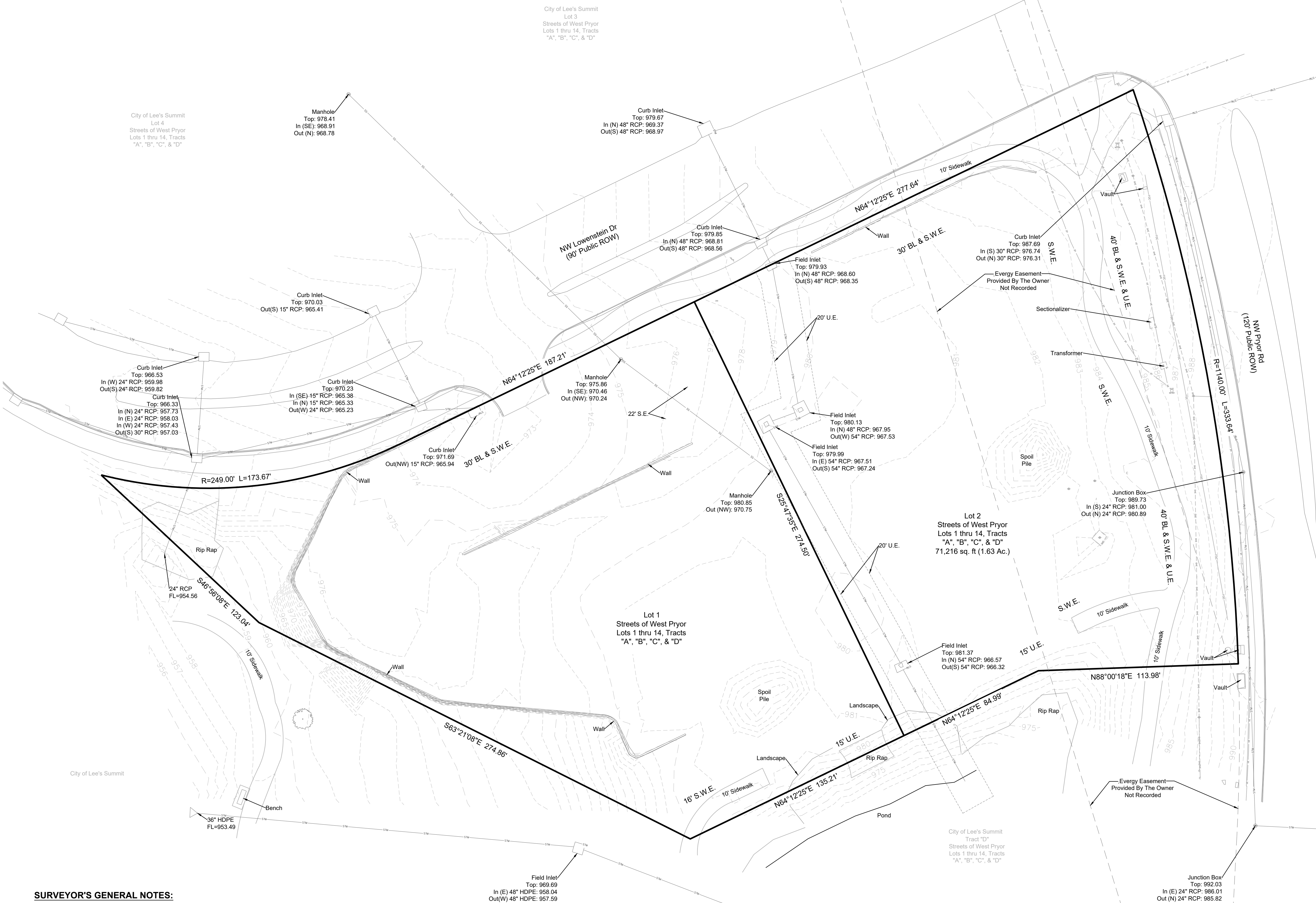
Lee's Summit, Jackson County, Missouri



LEGEND

These standard symbols will be found in the drawing.

- Set 1/2" Rebar & Cap
- ⊙ Found Survey Monument (As Noted)
- Ⓢ Exception Document Location
- Existing Fence Line — Chain Link
- Existing Water Line
- Existing Sanitary Sewer Main
- Existing Storm Sewer
- Existing Gas Line
- Existing Underground Telephone
- Existing Underground Electric



SURVEYOR'S GENERAL NOTES:

- This survey is based upon the following information provided by the client or researched by this surveyor.
(A). Streets of West Pryor Lots 1 thru 14, Tracts "A", "B", "C", & "D", recorded as Doc. No. 2019E0032538 in Book 183 at Page 28.
- This survey meets or exceeds the accuracy standards of a (SUBURBAN) Property Boundary Survey as defined by the Missouri Standards for Property Boundary Surveys.
- The Title report was furnished by First American Title Insurance Company, Policy No. NCS-1007087-KCTY, dated March 16, 2020 at 8:00 AM.
- Bearings shown hereon are based upon bearings described in the Final Plat of Streets of West Pryor Lots 1 thru 14, Tracts "A", "B", "C", & "D".
- This company assumes no responsibility in the location of existing utilities within the subject premises. This is an above-ground survey. The underground utilities, if shown, are based on information provided by the various utility companies and these locations should be considered approximate. There may be additional underground utilities not shown on this drawing.
-Locate Ticket # 210210394
- Subsurface and environmental conditions were not surveyed or examined or considered as a part of this survey. No evidence or statement is made concerning the existence or underground or overhead conditions, containers or facilities that may affect the use or development of this property. No attempt has been made to obtain or show data concerning existence, size, depth, conditions, capacity or location of any utility existing on the site, whether private, municipal or public owned.
- This property is located outside the 100 year flood plain, zone "X" as shown on the Firm panel 29095C0416G, dated January 20, 2017.

PROPERTY DESCRIPTION

Lot 1, Streets of West Pryor, Lots 1 thru 14, Tracts "A", "B", "C", & "D", A Subdivision in the City of Lee's Summit, Jackson County, Missouri, and,
Lot 2, Streets of West Pryor, Lots 1 thru 14, Tracts "A", "B", "C", & "D", A Subdivision in the City of Lee's Summit, Jackson County, Missouri.

REVISIONS	
DATE	

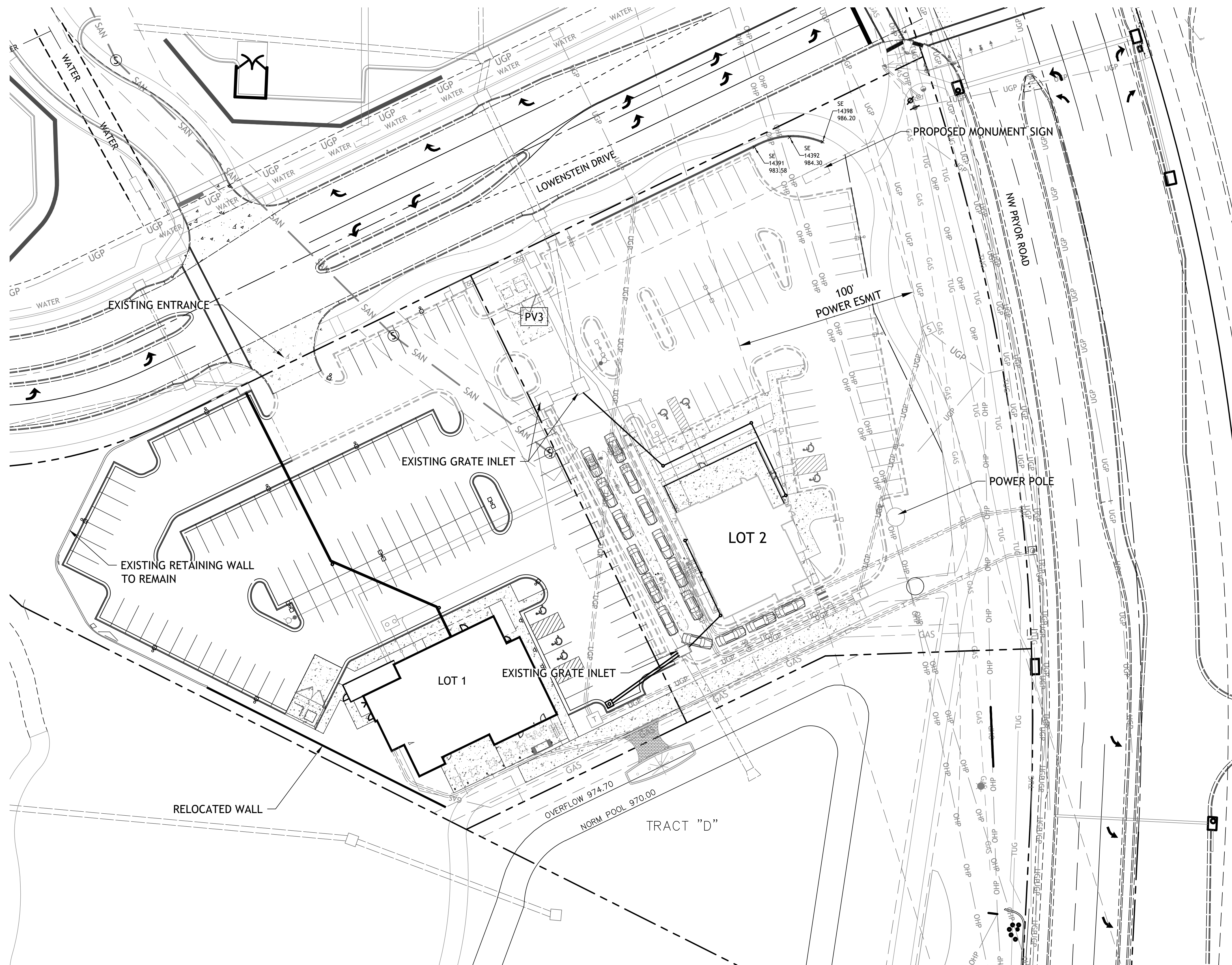
Streets of West Pryor Lots 1 & 2
Section 35, Township 48, Range 32
Lee's Summit, Jackson County, Missouri

Topographic Survey

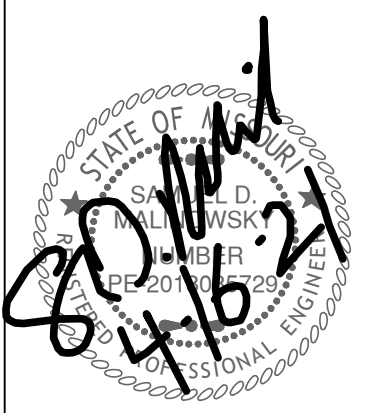
SHEET	SECTION	TOWNSHIP	RANGE	COUNTY	JOB NO.
1 OF 1	35	48	32	Jackson	Streets of West Pryor
DRAWN BY					DATE OF PREPARATION
M. Schlicht, PLS., PE					February 11, 2021
SCALE					1"=30'

PROFESSIONAL SEAL

ENGINEERING & SURVEYING SOLUTIONS
50 SE 30TH STREET
LEE'S SUMMIT, MO 64082
P: (816) 623-9888 F: (816) 623-9849

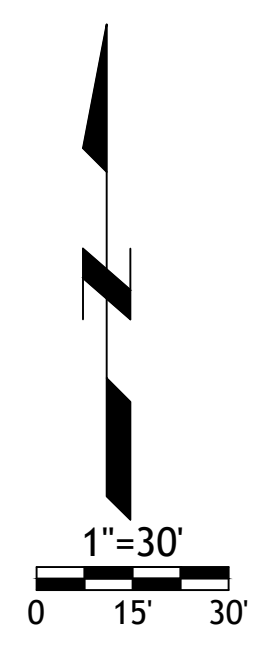


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Revisions
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 4-12-21 CLIENT COMMENTS
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RED DOOR GRILL
LOT 1 STREETS OF PRYOR
 LEES SUMMITT, MO.

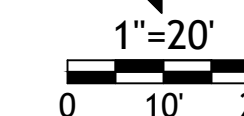


SITE DATA

LOT	USE	LOT AREA (SF)	LOT AREA (ACRES)	BLDG AREA SF (ENVELOPE)	# OF FLOORS	PARKING REQUIRED	PARKING PROVIDED	ADA SPACES REQ (VAN)	ADA SPACES PROV (VAN)	PRK LOT COVERAGE	TOTAL IMPERVIOUS COVERAGE	OPEN SPACE
LOT 1	MIXED USE	67,758	1.56	5,549	1	78	105	1	2	43982	49,531	18,227

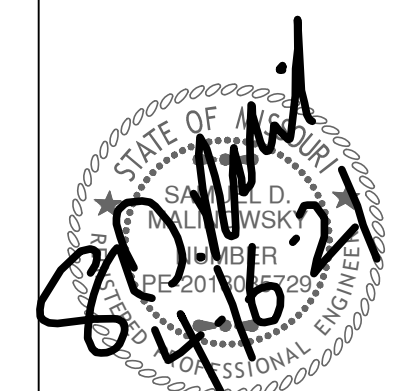
SITE DATA

TOTAL SITE	1.56ac (67,758sf)
TOTAL IMPERVIOUS AREA	49,531sf
OPEN SPACE	18,227sf (51.5%)
TOTAL BUILDING FAR	5,549sf
FAR	0.081TOTAL REQUIRED
PARKING REQUIRED	78
PARKING PROVIDED	113



SM Engineering
SME
 5507 High Meadow Circle
 Manhattan Kansas, 66503
 smcivilengr@gmail.com
 785.341.9747

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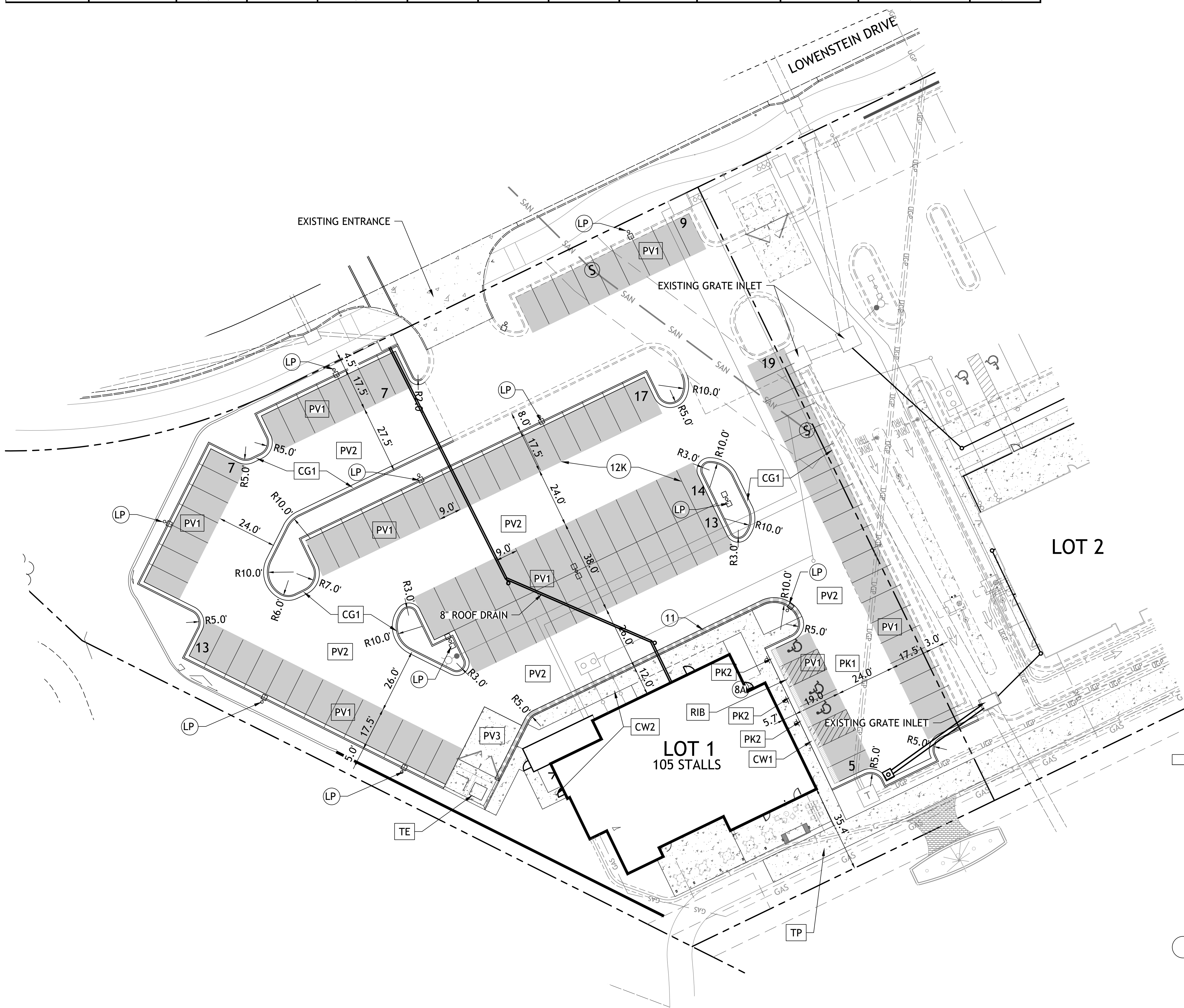
Revisions
 4-2-21 CITY COMMENTS
 4-12-21 CLIENT COMMENTS
 4-16-21 BID/PERMIT SET

CONSTRUCTION NOTES:

1. COORDINATE START-UP AND ALL CONSTRUCTION ACTIVITIES WITH OWNER.
2. CONSTRUCTION METHODS AND MATERIALS NOT SPECIFIED IN THESE PLANS ARE TO MEET OR EXCEED THE STANDARD SPECIFICATIONS.
3. ALL CONSTRUCTION WORK AND UTILITY WORK OUTSIDE OF PROPERTY BOUNDARIES SHALL BE PERFORMED IN COOPERATION WITH AND IN ACCORDANCE WITH REGULATIONS OF THE AUTHORITIES CONCERNED.
4. PUBLIC CONVENIENCE AND SAFETY: THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT WILL INSURE, AS FAR AS PRACTICABLE, THE LEAST OBSTRUCTION TO TRAFFIC, AND SHALL PROVIDE FOR THE CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC AND RESIDENTS ALONG AND ADJACENT TO STREETS IN THE CONSTRUCTION AREA.
5. ALL DIMENSIONS SHOWN ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
6. ACCESSIBLE STALLS SHOWN WITH A "VAN" SHALL BE 16'-0" MIN. AND SHALL HAVE A SIGN DESIGNATING "VAN-ACCESSIBLE". SEE DETAIL102.

NOTE:

1. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRANCE. SLOPED PAVING, EXIT PORCHES AND RAMPS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
2. THESE PLANS HAVE NOT BEEN VERIFIED WITH FINAL ARCHITECTURAL CONTRACT DRAWINGS. CONTRACTOR SHALL VERIFY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR IS FULLY RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL DRAWINGS AND CONTRACTOR DOCUMENTS.
3. ALL DIMENSIONS ARE PERPENDICULAR TO PROPERTY LINE.
4. ACTUAL SIGN LOCATIONS TO BE COORDINATED WITH CONSTRUCTION MANAGER.

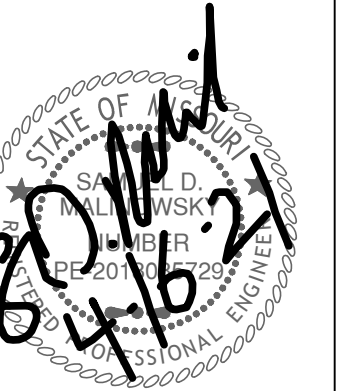


- SEE DETAIL SHEET FOR THE FOLLOWING DETAILS:
- PK-1 96" ACCESSIBLE & VAN ACCESSIBLE SPACE STRIPING
- PK-2 ACCESSIBLE SIGN
- CG-1 CURB AND GUTTER
- CW1 CURB WALK AT BUILDING
- PV1 REGULAR DUTY PAVEMENT
- PV2 HEAVY DUTY ASPHALT PAVEMENT
- PV3 HEAVY DUTY CONCRETE PAVEMENT
- TP TRAIL PAVING
- CW2 SIDEWALK
- ADA-1-7 HANDICAP RAMP SEE GEN-3A DETAIL SHEET C9.0 AND ADA RAMPS SHEET C7.0
- LP LIGHT POLE BASE
- TE TRASH ENCLOSURE

- NOTES:
- 8A DOOR (SEE ARCH. PLANS)
 - 12K YELLOW PARKING LOT STRIPING (SHERWIN-WILLIAMS TM 2160 LEAD FREE OR APPROVED EQUAL)
 - CO CLEAN-OUT (SEE GRADING PLAN)
 - LP PAINT CURB RED "NO PARKING FIRE LANE"
 - LP LIGHT POLE BASE (SEE LIGHTING PLAN)

LOT 1 STREETS OF PRYOR
 LEES SUMMITT, MO.

sheet
C4.0
 Civil
 SITE PLAN
 permit
 11 MARCH 2021



UTILITY NOTES:

1. ALL UTILITY AND STORM SEWER TRENCHES CONSTRUCTED UNDER AREAS THAT RECEIVE PAVING SHALL BE BACKFILLED TO 18 INCHES ABOVE THE TOP OF THE PIPE WITH SELECT GRANULAR MATERIAL PLACED ON EIGHT-INCH LIFTS, AND COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
2. CONTRACTOR SHALL NOT OPEN, TURN OFF, INTERFERE WITH, OR ATTACH ANY PIPE OR HOSE TO OR TAP ANY WATER MAIN BELONGING TO THE CITY UNLESS DULY AUTHORIZED TO DO SO BY THE CITY. ANY ADVERSE CONSEQUENCE OF ANY SCHEDULED OR UNSCHEDULED DISRUPTIONS OF SERVICE TO THE PUBLIC ARE TO BE THE LIABILITY OF THE CONTRACTOR. SM ENGINEERING AND OWNER ARE TO BE HELD HARMLESS.
3. ALL WATER AND SANITARY SEWER SYSTEMS THAT ARE TO BE PUBLIC LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS PREVIOUSLY APPROVED BY THE CITY OF LEES SUMMITT AND THE STATE OF MISSOURI AND SHALL BE INSPECTED BY THE CITY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT THIS INSPECTION OCCURS.
4. LOCATIONS SHOWN FOR PROPOSED WATER LINES ARE APPROXIMATE. VARIATIONS MAY BE MADE, WITH APPROVAL OF THE ENGINEER, TO AVOID CONFLICTS.
5. CONTRACTOR TO INSTALL TRACING TAPE ALONG ALL NON-METALLIC WATER MAINS AND SERVICE LINES PER SPECIFICATIONS.
6. CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICT AND POINTS OF CONNECTION PRIOR TO ANY CONSTRUCTION OF NEW UTILITIES.
7. WATER LINES SHALL HAVE A MINIMUM COVER OF 42 INCHES. ALL VALVES ON MAINS AND FIRE HYDRANT LEADS SHALL BE WITH VALVE BOX ASSEMBLIES. THE SIZE OF VALVE BOX ASSEMBLY TO BE INSTALLED IS DETERMINED BY THE TYPE AND SIZE OF VALVE. VALVE BOX CAPS SHALL HAVE THE WORD "WATER".
8. A MINIMUM HORIZONTAL DISTANCE OF 10 FEET SHALL BE MAINTAINED BETWEEN PARALLEL WATER AND SANITARY SEWER LINES. WHEN IT IS NECESSARY FOR ANY WATER LINE TO CROSS A SANITARY SEWER LINE, THE SEWER LINE SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE AT LEAST 10 FEET EITHER SIDE OF THE WATER LINE UNLESS THE WATER LINE IS AT LEAST 2 FEET CLEAR DISTANCE ABOVE THE SANITARY SEWER LINE.
9. INSTALL 2" TYPE "K" COPPER FROM THE MAIN TO THE METER AND EITHER TYPE "K" OR POLYETHYLENE PLASTIC TUBING (PE 3608) FROM METER TO STOP AND WASTE VALVE INSIDE BUILDING.
10. CONTRACTOR RESPONSIBLE FOR PROVIDING CASEMENT FOR ELECTRICAL SERVICE PER KCPE&L
11. CONTRACTOR TO DIRECTIONAL BORE UNDER EXISTING WALKING TRAIL

DETAILS

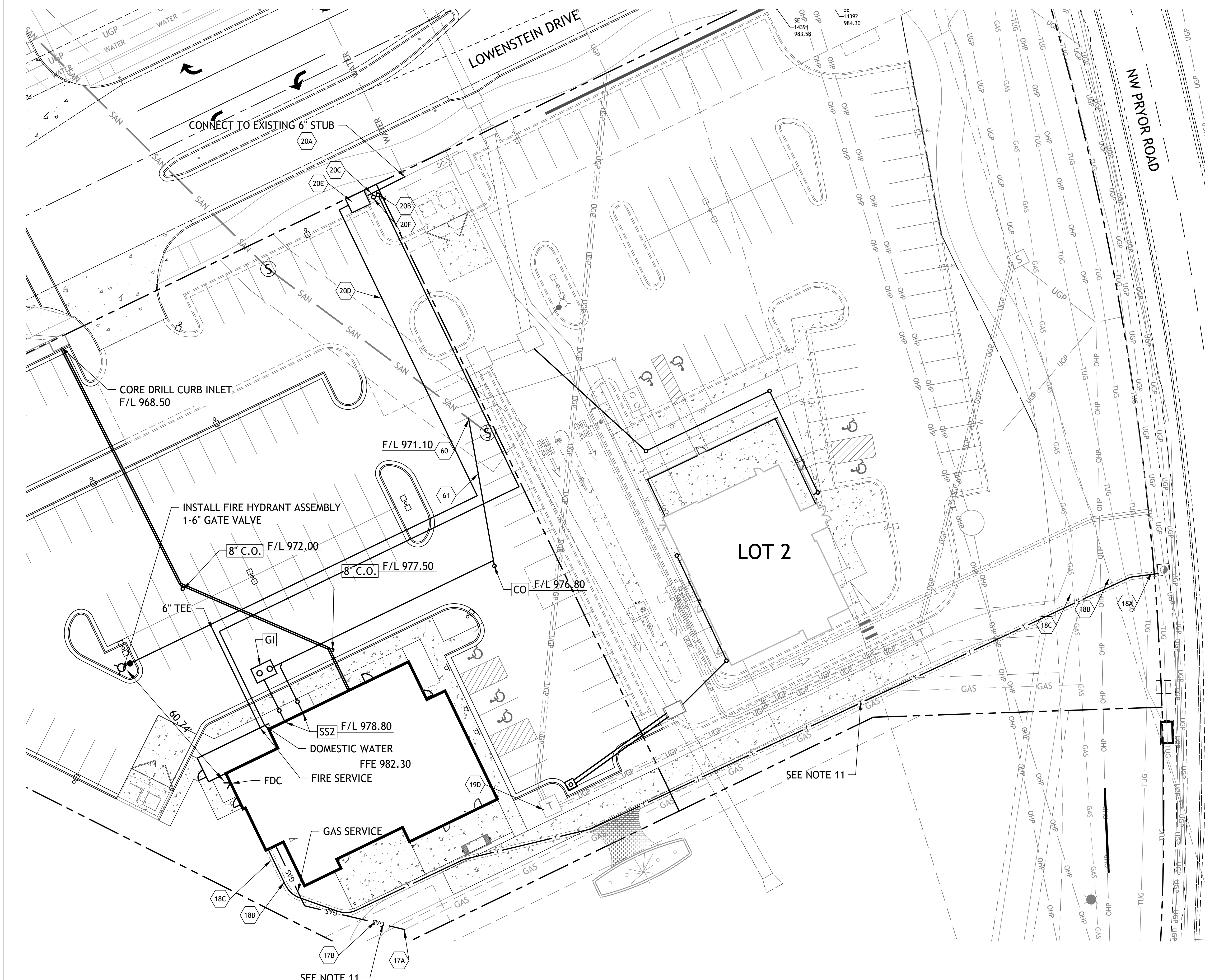
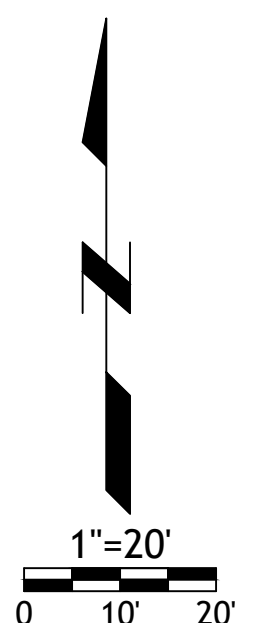
- MS1 TRENCH AND BEDDING DETAILS
- SS2 2-WAY CLEAN-OUT
- WAT-12 DCD4 VAULT
- WAT-11 WATER SERVICE CONNECTION
- WAT-7 FIRE HYDRANT
- CO CLEANOUT
- GI GREASE INTERCEPTOR

NOTES

- 17A POINT OF CONNECTION - GAS SERVICE
- 17B GAS SERVICE (BY GAS COMPANY)
- 17C GAS METER
- 18A POINT OF CONNECTION - TELEPHONE SERVICE - COORDINATE WITH TELEPHONE COMPANY
- 18B UNDERGROUND TELEPHONE SERVICE PER LOCAL TELEPHONE COMPANY
- 18C 2-2" CONDUIT INSTALLED BY CONTRACTOR - TELEPHONE SERVICE
- 19A POINT OF CONNECTION - ELECTRICAL SERVICE
- 19B ELECTRICAL SERVICE (SEE NOTE 10)
- 19C 4" CONDUIT INSTALLED BY CONTRACTOR - ELECTRIC SERVICE
- 19D TRANSFORMER - PER EVERGY DETAIL 700-103
- 20A POINT OF CONNECTION - WATER SERVICE
- 20B 1.5" TAP WITH 1.5" SERVICE LINE
- 20C 1.5" METER
- 20D 6" FIRE LINE
- 20E INSTALL 6" BACKFLOW PREVENTION ASSEMBLY IN 8'X6' VAULT OR AS REQUIRED PER CLEARANCE SEE DETAIL WAT-5
- 20F 1" IRRIGATION METER & BFP
- 60 4" SANITARY SEWER SERVICE LINE SDR-26 PVC CONNECTION SHALL BE A CUT-IN WYE
- 61 4" SANITARY SEWER SERVICE LINE SDR 26 PVC

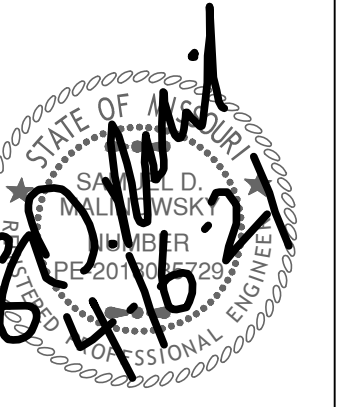
UTILITY STATEMENT:

THE UNDERGROUND UTILITIES SHOWN HEREON ARE FROM FIELD SURVEY INFORMATION OF ONE-CALL LOCATED UTILITIES, FIELD SURVEY INFORMATION OF ABOVE GROUND OBSERVABLE EVIDENCE, AND/OR THE SCALING AND PLOTTING OF EXISTING UTILITY MAPS AND DRAWINGS AVAILABLE TO THE SURVEYOR AT THE TIME OF SURVEY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHERMORE, THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES BY EXCAVATION UNLESS OTHERWISE NOTED ON THIS SURVEY.

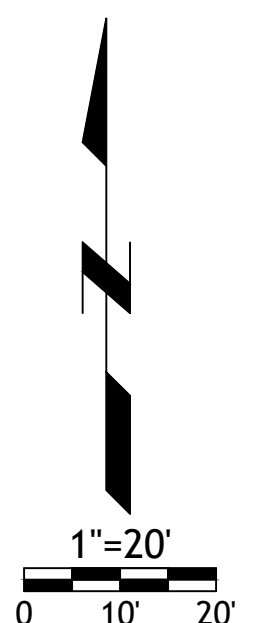
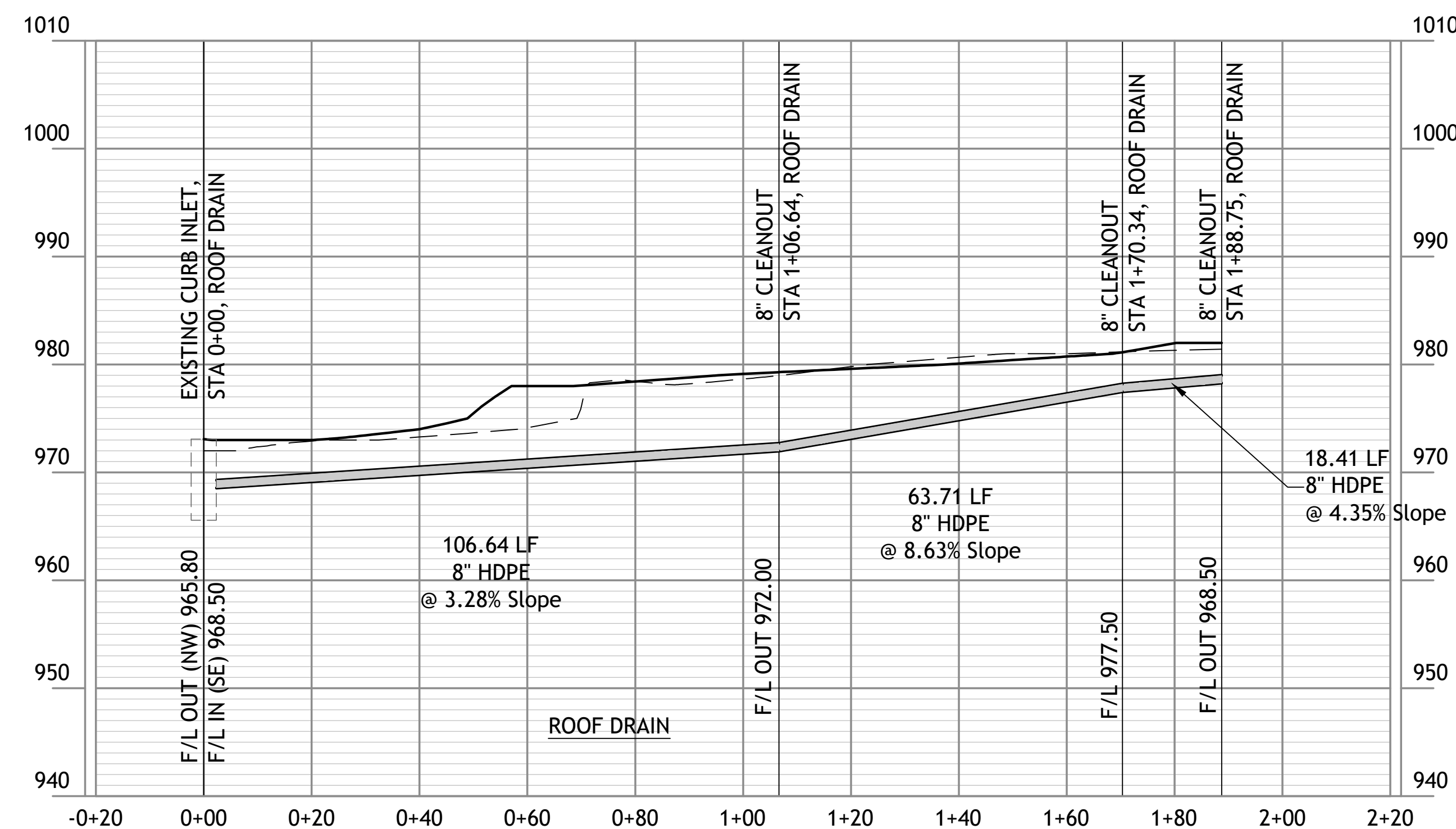
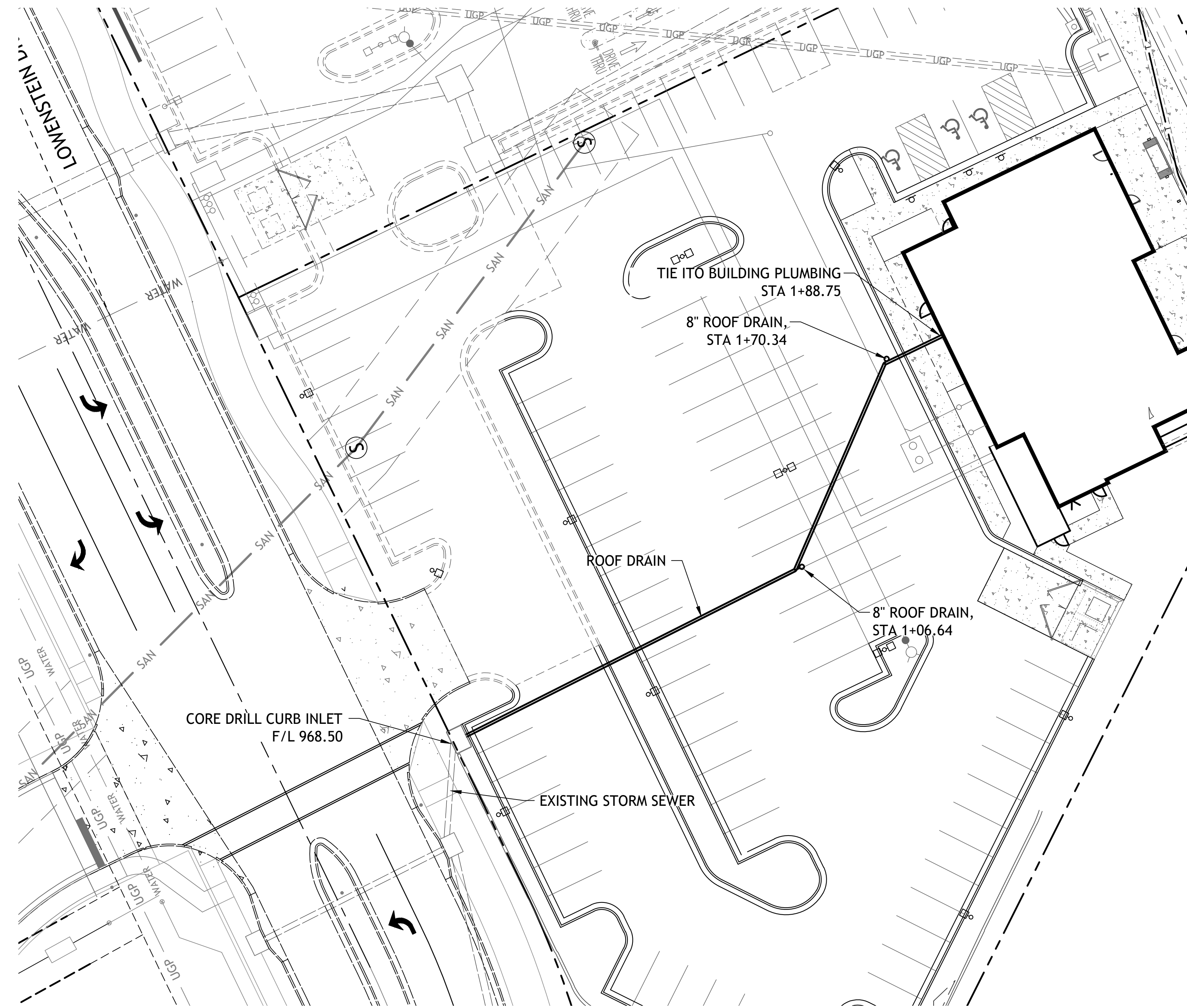


SEE NOTE 11

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Revisions
4-2-21 CITY COMMENTS
4-12-21 CLIENT COMMENTS
4-16-21 BID/PERMIT SET

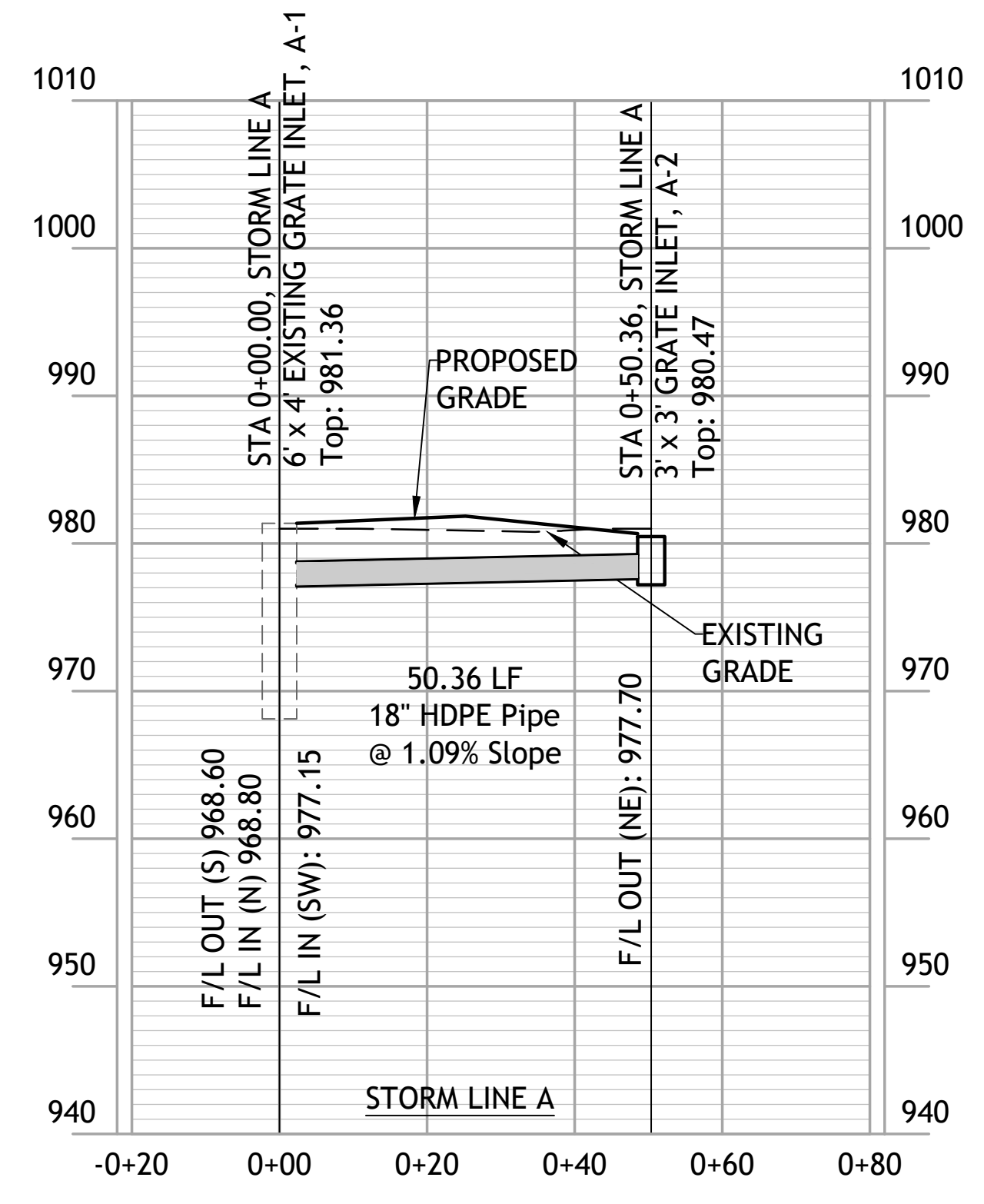


LOT 1 STREETS OF PRYOR
LEES SUMMITT, MO.



GRADING NOTES:

- EARTHWORK UNDER THE BUILDING SHALL COMPLY WITH THE PROJECT ARCHITECTURAL PLANS. OTHER FILL MATERIAL SHALL BE MADE IN LIFTS NOT TO EXCEED EIGHT INCHES DEPTH COMPACTED TO 95% STANDARD PROCTOR DENSITY. FILL MATERIAL MAY INCLUDE ROCK FROM ON-SITE EXCAVATION IF CAREFULLY PLACED SO THAT LARGE STONES ARE WELL DISTRIBUTED AND VOIDS ARE COMPLETELY FILLED WITH SMALLER STONES, EARTH, SAND OR GRAVEL TO FURNISH A SOLID EMBANKMENT. NO ROCK LARGER THAN THREE INCHES IN ANY DIMENSION NOR ANY SHALE SHALL BE PLACED IN THE TOP 12 INCHES OF EMBANKMENT.
- AREAS THAT ARE TO BE CUT TO SUBGRADE LEVELS SHALL BE PROOF ROLLED WITH A MODERATELY HEAVY LOADED DUMP TRUCK OR SIMILAR APPROVED CONSTRUCTION EQUIPMENT TO DETECT UNSUITABLE SOIL CONDITIONS.
- IN ALL AREAS OF EXCAVATION, IF UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED, A QUALIFIED GEOTECHNICAL ENGINEER SHALL RECOMMEND TO THE OWNER THE METHODS OF UNDERCUTTING AND REPLACEMENT OF PROPERLY COMPACTED, APPROVED FILL MATERIAL. ALL PROOF ROLLING AND UNDERCUTTING SHOULD BE PERFORMED DURING A PERIOD OF DRY WEATHER.
- CONTRACTOR SHALL USE SILT FENCE OR OTHER MEANS OF CONTROLLING EROSION ALONG THE EDGE OF THE PROPERTY OR OTHER BOTTOM OF SLOPE LOCATIONS.
- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- IT IS NOT THE DUTY OF THE ENGINEER OR THE OWNER TO REVIEW THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE AT ANY TIME DURING CONSTRUCTION.
- PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURE OR TO END OF END SECTIONS.
- HANDICAP STALLS SHALL MEET ADA REQUIREMENTS AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION AT THE BUILDING ENTRY AND ACCESSIBLE PARKING STALLS. SLOPES EXCEEDING 2.0% WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO ADJUST DEPTHS OF EXISTING SERVICE LINES AS NECESSARY
- ALL CONSTRUCTION TRAFFIC, TEMPORARY TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHALL CONFORM TO REQUIREMENTS OF THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- SITE BEING ROUGH GRADED TO 12.5" BELOW FINISHED GRADE
- CONTRACTOR TO PLACE 8" LOW PERMEABILITY LVC FOR BUILDING PAD

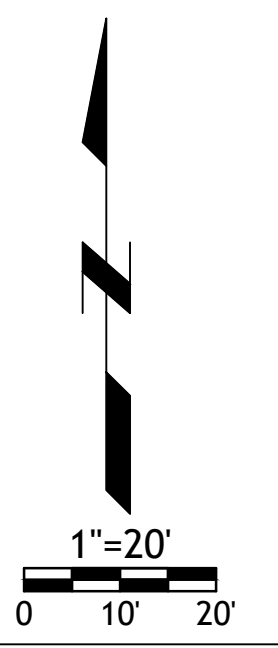


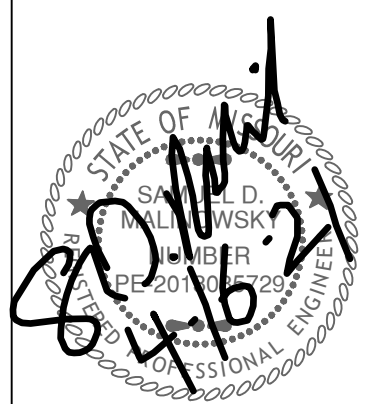
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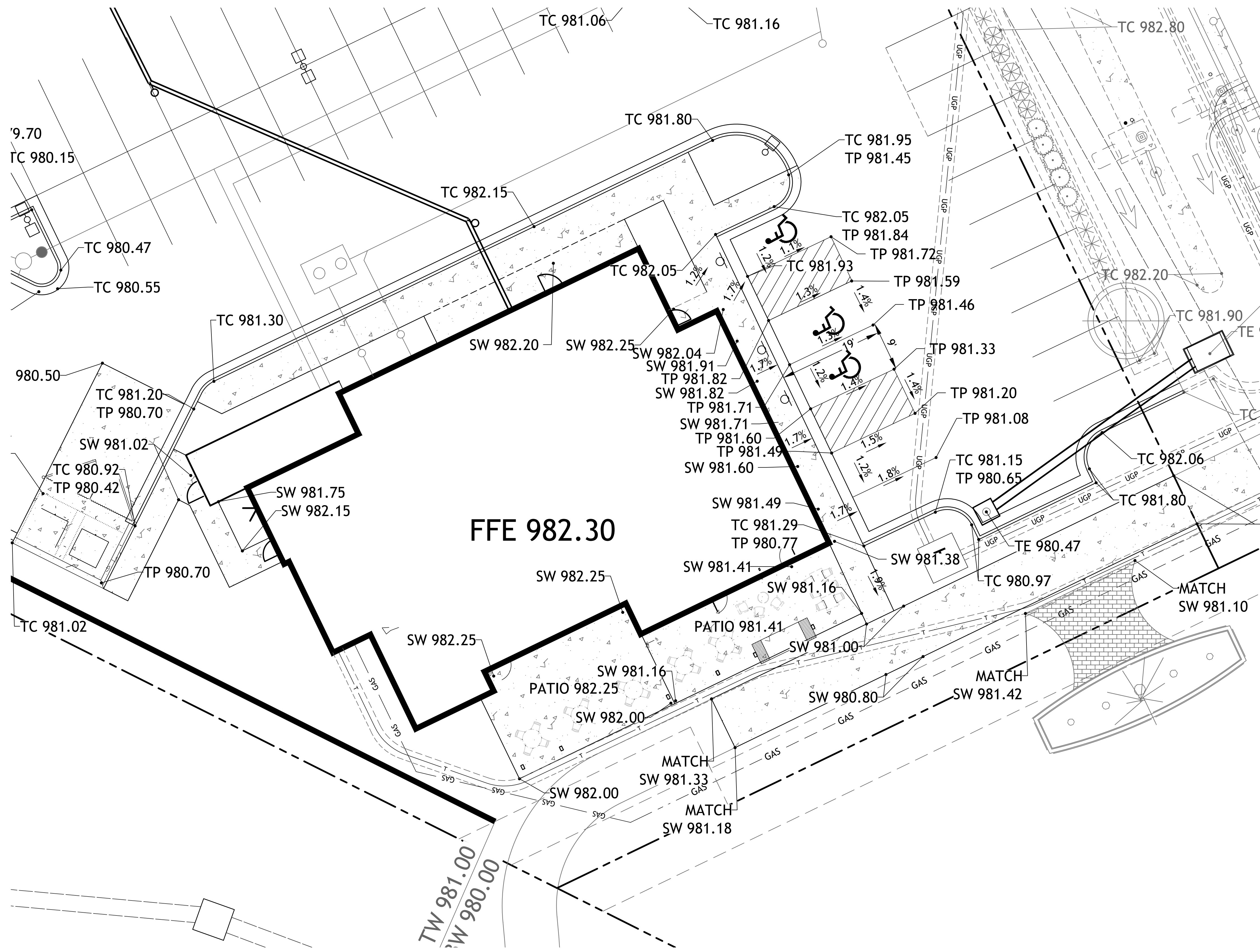
Revisions
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 4-16-21 BID/PERMIT SET

LOT 1 RED DOOR GRILL
LOT 1 STREETS OF PRYOR
 LEES SUMMITT, MO.



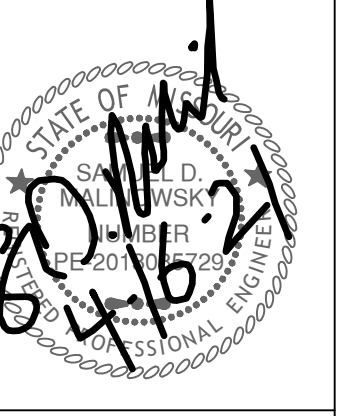


- Revisions
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4-12-21 CLIENT COMMENTS
4-16-21 BID/PERMIT SET



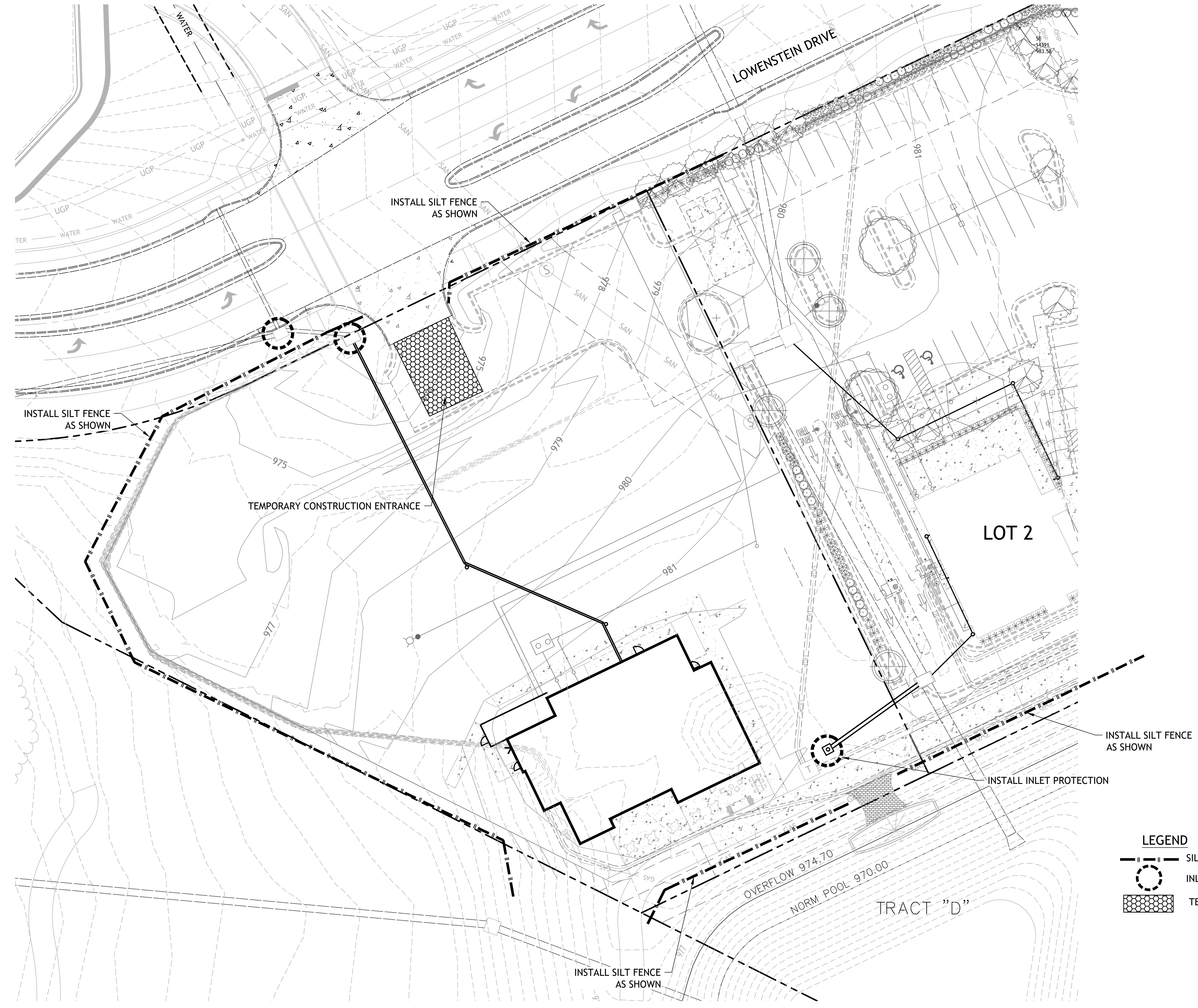
LOT 1 STREETS OF PRYOR
LEES SUMMIT, MO.

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4-12-21 CLIENT COMMENTS
4-16-21 BID/PERMIT SET

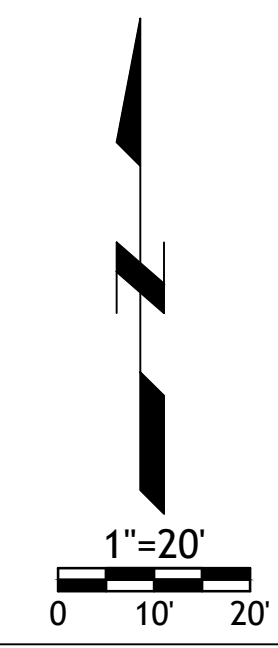
LOT 1 RED DOOR GRILL
LOT 2 STREETS OF PRYOR
LEES SUMMITT, MO.



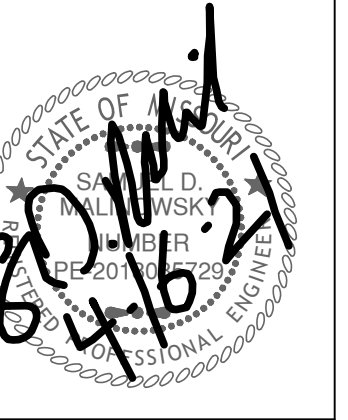
- NOTES:
- Prior to Land Disturbance activities, the following shall occur:
 - Identify the limits of construction on the ground with easily recognizable indications such as construction staking, construction fencing and placement of physical barriers or other means acceptable to the City Inspector and in conformance with the erosion and pollution control plan;
 - Construct a stabilized entrance/parking/staging area;
 - Install perimeter controls and protect any existing stormwater inlets;
 - Request an initial inspection of the installed Phase I pollution control measures designated on the approved erosion and pollution control plan. Land disturbance work shall not proceed until there is a passed inspection
 - The site shall comply with all requirements of the MoDNR general requirements
 - Immediate initiation of temporary stabilization BMPs on disturbed areas where construction activities have temporarily ceased on that portion of the project site if construction activities will not resume for a period exceeding 14 calendar days. Temporary stabilization may include establishment of vegetation, geotextiles, mulches or other techniques to reduce or eliminate erosion until either final stabilization can be achieved or until further construction activities take place to re-disturb the area. This stabilization must be completed within 14 calendar days;
 - Inspection of erosion and sediment control measures shall be performed to meet or exceed the minimum inspection frequency in the MoDNR General Permit. At a minimum, inspections shall be performed during all phases of construction at least once every 14 days and within 24 hours of each precipitation event.
 - An inspection log shall be maintained and shall be available for review by the regulatory authority;
 - The erosion and pollution control plan shall be routinely updated to show all modifications and amendments to the original plan. A copy of the erosion and pollution control plan shall be kept on site and made available for review by the regulatory authority.
 - Temporary seeding shall only be used for periods not to exceed 12 months. For final stabilization, temporary seeding shall only be used to establish vegetation outside the permanent seeding or sodding dates as specified in the Standard Specifications. Final stabilization requires a uniform perennial vegetative cover with a density of 70% over 100% of disturbed area.
 - Erosion and pollution control shall be provided for the duration of a project. All installed erosion and pollution control BMPs shall be maintained in a manner that preserves their effectiveness. If the City determines that the BMPs in place do not provide adequate erosion and pollution control at any time during the project, additional or alternate measures that provide effective control shall be required.
 - Concrete wash or rinse water from concrete mixing equipment, tools and/or ready-mix trucks, etc. may not be discharged into or be allowed to run to any existing water body or portion of the storm water system. One or more locations for concrete washout will be designated on site, such that discharges during concrete washout will be contained in a small area where waste concrete can solidify in place. Proper signage will be installed to direct users to the concrete washout. Concrete washouts must be handled prior to pouring any concrete.
 - Silt fences and sediment control BMPs which are shown along the back of curb must be installed within two weeks of curb backfill and prior to placement of base asphalt. Exact locations of these erosion control methods may be field adjusted to minimize conflicts with utility construction. However, anticipated disturbance by utility construction shall not delay installation.
 - Required sediment basins and traps shall be installed as early as possible during mass grading. Sediment basins and traps shall be cleaned out when the sediment capacity has been reduced by 20% of its original design volume.
 - All manufactured BMPs such as erosion control blankets, TRMs, biodegradable logs, filter socks, synthetic sediment barriers and hydraulic erosion control shall be installed as directed by the manufacturer.
 - The above requirements are the responsibility of the permittee for the site. Responsibility may be transferred to another party by the permittee, but the permittee shall remain liable by the City of Lee's Summit if any of the above conditions are not met.

LEGEND

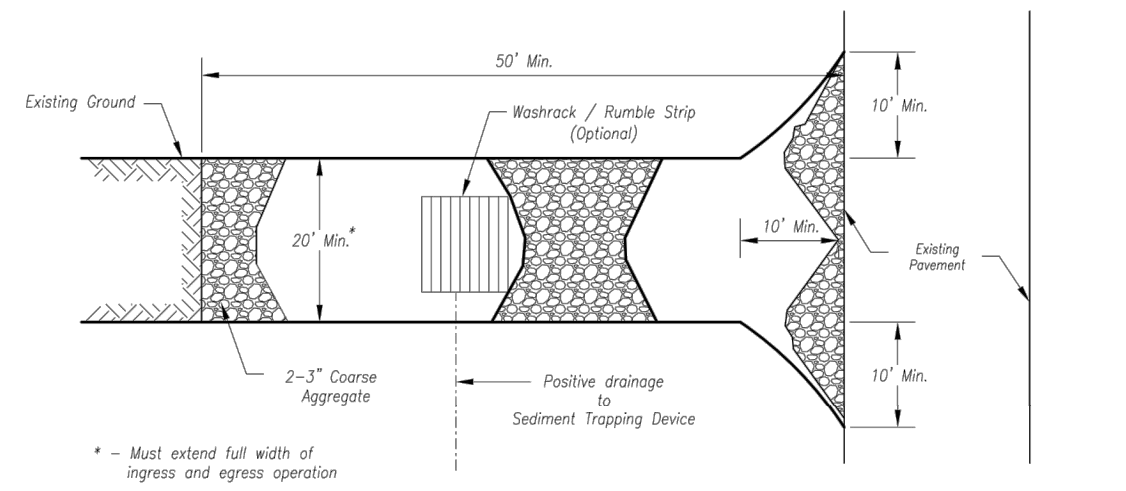
- SILT FENCE
- INLET PROTECTION
- TEMPORARY CONSTRUCTION ENTRANCE



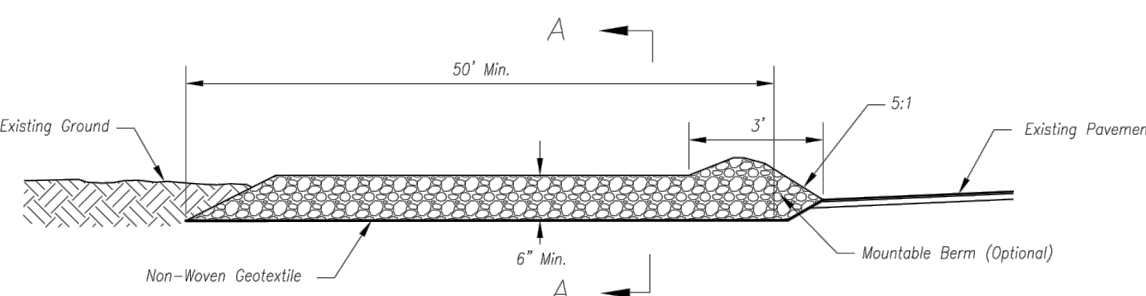
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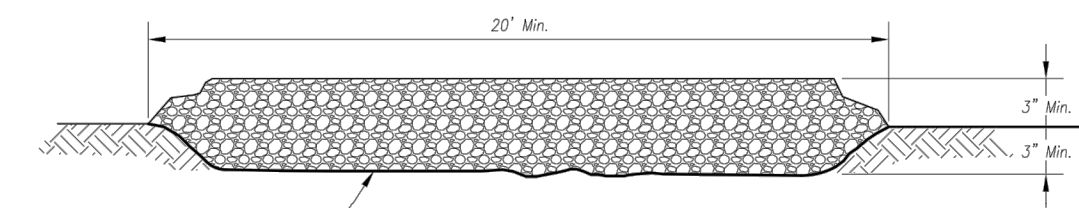
Revisions
4-2-21 CITY COMMENTS
4-12-21 CLIENT COMMENTS
4-16-21 BID/PERMIT SET



Plan View
Not to Scale



Side Elevation
Not to Scale



Section A-A
Not to Scale

Notes for Construction Entrance:

1. Avoid locating on steep slopes, at curves on public roads, or downhill of disturbed area.
2. Remove all vegetation and other unsuitable material from the foundation area, grade, and crown for positive drainage.
3. If slope towards the public road exceeds 2%, construct a 6- to 8-inch high ridge with 3:1V side slopes across the foundation approximately 15 feet from the edge of the public road to divert runoff from it.
4. Install pipe under the entrance if needed to maintain drainage ditches along public roads.
5. Place stone to dimensions and grade as shown on plans. Leave surface sloped for drainage.
6. Divert all surface runoff and drainage from the entrance to a sediment control device.
7. If conditions warrant, place geotextile fabric on the graded foundation to improve stability.

Maintenance for Construction Entrance:

1. Reshape entrance as needed to maintain function and integrity of installation. Top dress with clean aggregate as needed.

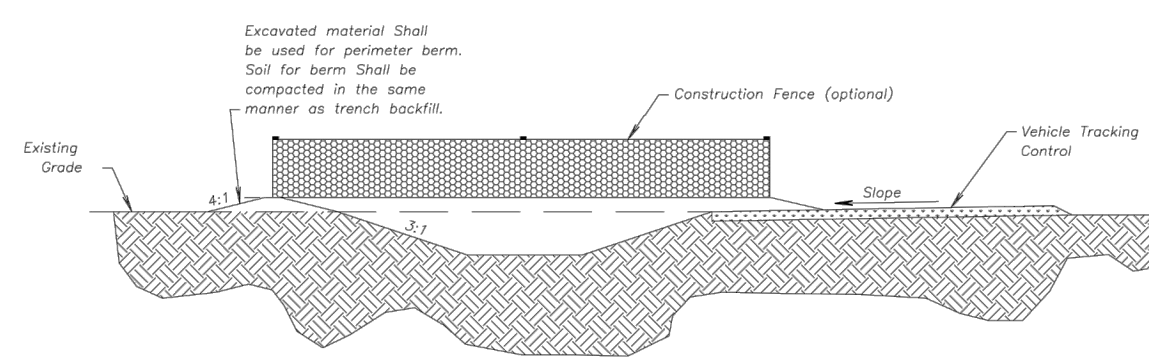
CONSTRUCTION ENTRANCE

Notes for Concrete Washout:

1. Concrete washout areas shall be installed prior to any concrete placement on site.
2. Concrete washout areas shall include a flat subsurface pit sized relative to the amount of concrete to be placed on site. The slope leading out of the subsurface pit shall be 3:1. The vehicle tracking post shall be aligned towards the concrete washout area.
3. Vehicle tracking control is required of the access point to all concrete washout areas.
4. Signs shall be placed at the construction site entrance, washout area and elsewhere as necessary to clearly indicate the location(s) of the concrete washout area(s) to operators of concrete truck and pump rigs.
5. A one-piece impervious liner may be required along the bottom and sides of the subsurface pit in sandy or gravelly soils.

Maintenance for Concrete Washout:

1. Concrete washout materials shall be removed once the materials have filled the washout to approximately 75% full.
2. Concrete washout areas shall be enlarged as necessary to maintain capacity for washed concrete.
3. Concrete washout water, washed pieces of concrete and all other debris in the subsurface pit shall be transported from the job site in a water-tight container and disposed of properly.
4. Concrete washout areas shall remain in place until all concrete for the project is placed.
5. When concrete washout areas are removed, excavations shall be filled with suitable compacted backfill and topped, any disturbed areas associated with the installation, maintenance, and/or removal of the concrete washout areas shall be stabilized.



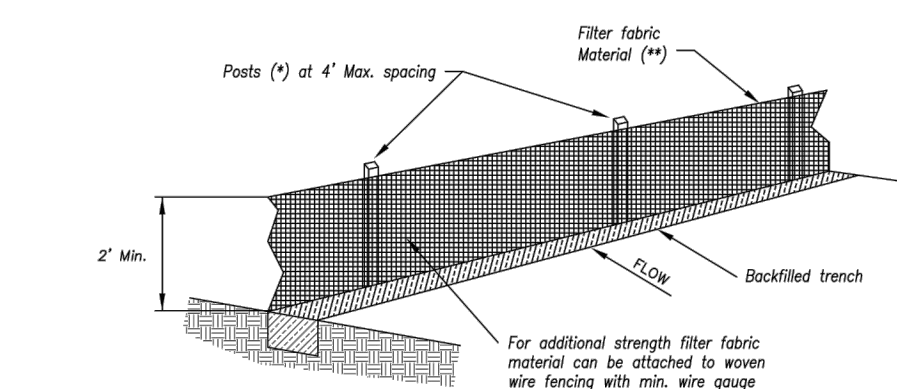
CONCRETE WASHOUT

AMERICAN PUBLIC WORKS ASSOCIATION



KANSAS CITY METRO CHAPTER
STANDARD DRAWING NUMBER ESC-01
ADOPTED: 10/24/2016

Construction Entrance modified from 2015 Overland Park Standard Details for Erosion and Sediment Control, Concrete Washout modified from 2009 City of Great Bend Standard Drawings.



- (*) POSTS**
- MIN. LENGTH 4'
 - HARDWOOD 1 3/4" x 1 3/4"
 - NO.2 SOUTHERN PINE 2 1/2" x 2 1/2"
 - STEEL 1.33 LB/FT

(**) - Geotextile fabric shall meet the requirements of AASHTO M288

SILT FENCE DETAILS

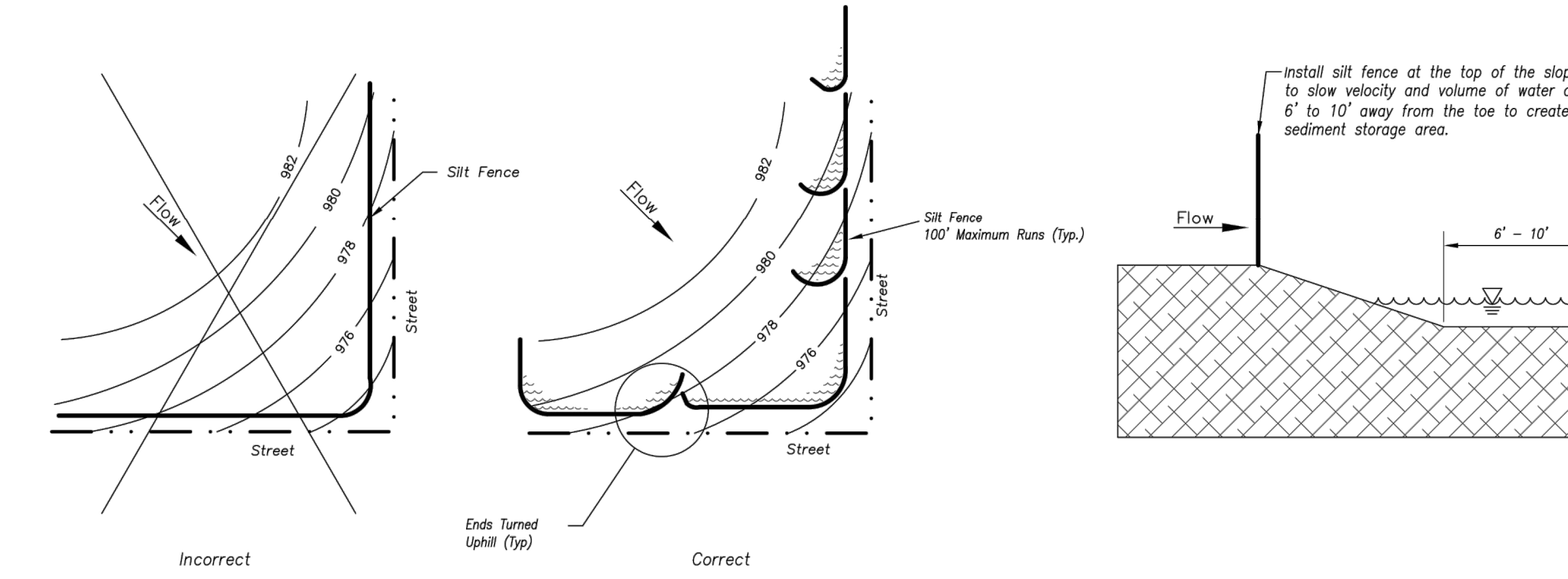
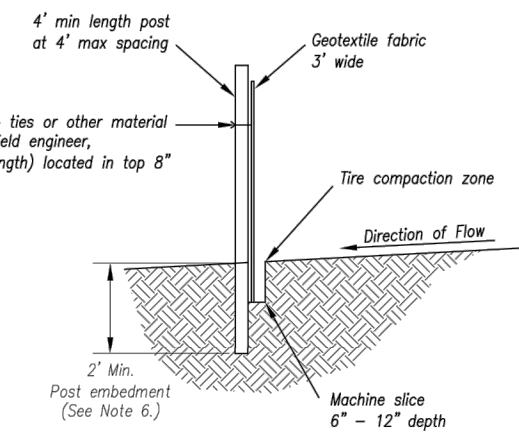


Figure A

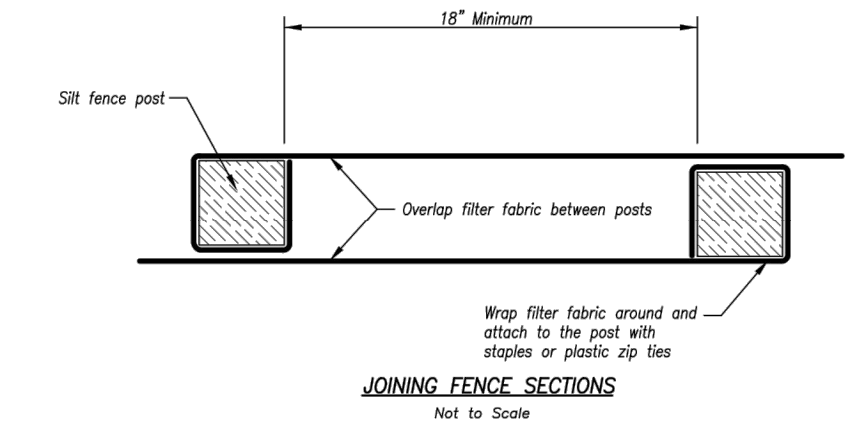
SILT FENCE LAYOUT

Not to Scale

- Notes:**
1. In order to contain water, the ends of the silt fence must be turned uphill (Figure A).
 2. Long perimeter runs of silt fence must be limited to 100'. Runs should be broken up into several smaller segments to minimize water concentrations (Figure A).
 3. Long slopes should be broken up with intermediate rows of silt fence to slow runoff velocities.
 4. Attach fabric to upstream side of post.
 5. Install posts a minimum of 2' into the ground.
 6. Trenching will only be allowed for small or difficult installation, where slicing machine cannot be reasonably used.

Maintenance:

1. Remove and dispose of sediment deposits when the deposit approaches 1/2 the height of silt fence.
2. Repair as necessary to maintain function and structure.



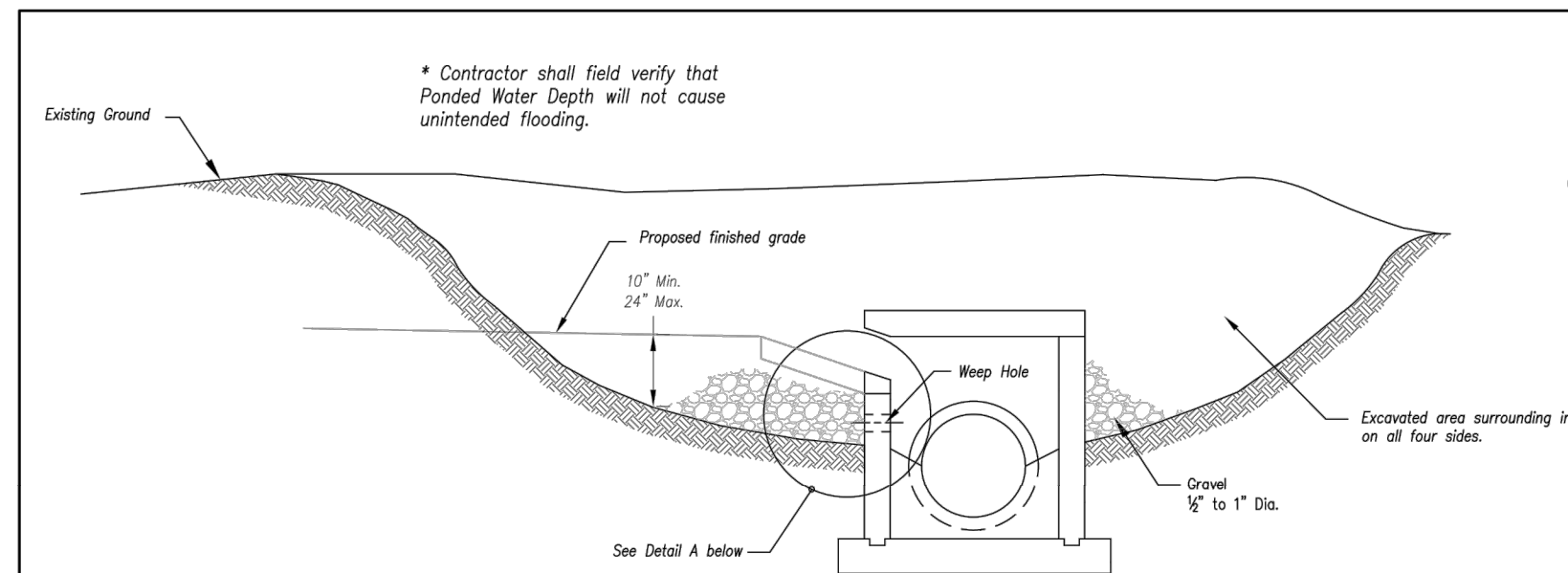
JOINING FENCE SECTIONS
Not to Scale

AMERICAN PUBLIC WORKS ASSOCIATION

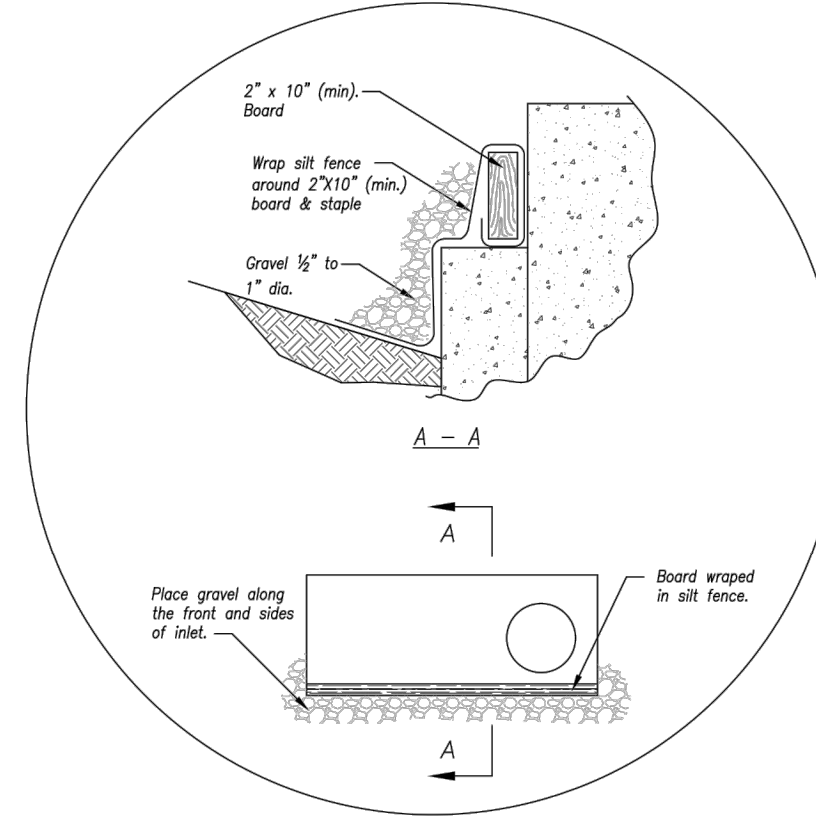


KANSAS CITY METRO CHAPTER
STANDARD DRAWING NUMBER ESC-03
ADOPTED: 10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.

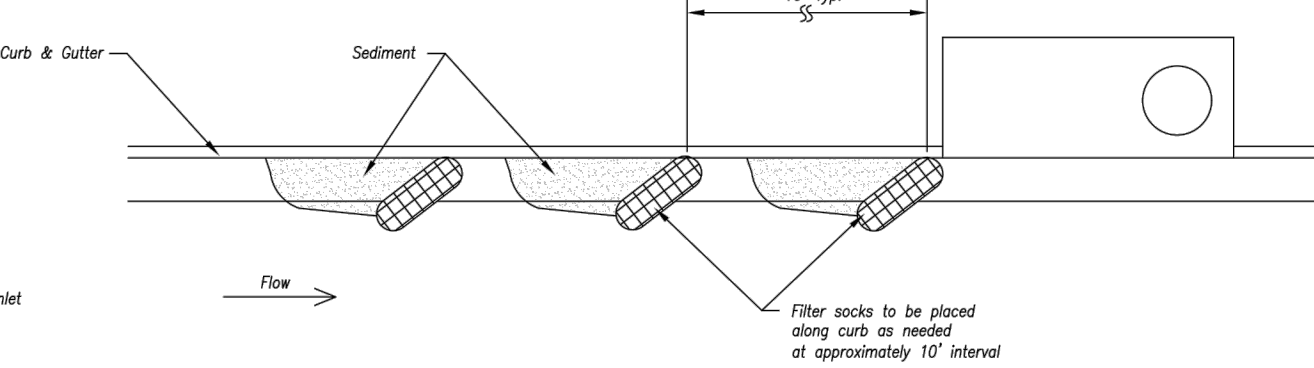


See Detail A below

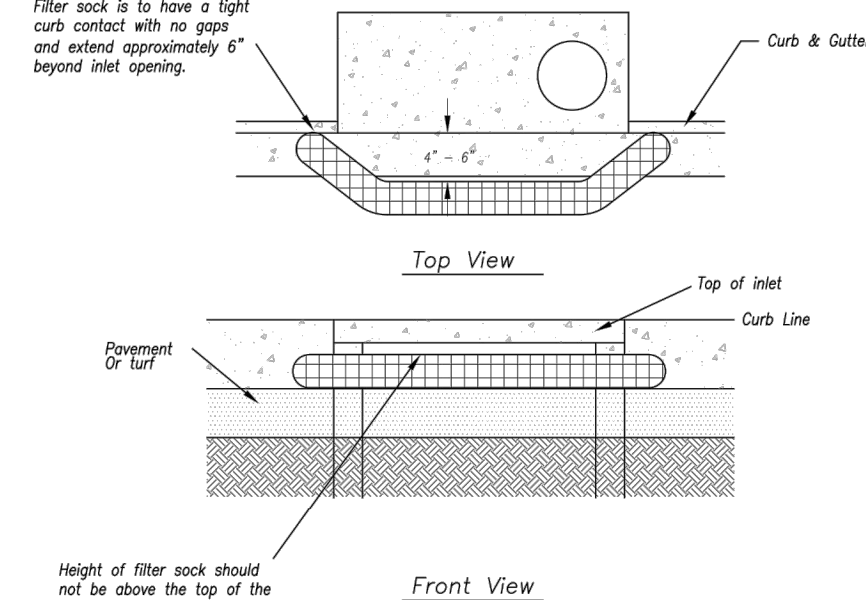


Detail A

EARLY STAGE CURB INLET
(Open Box and Prior to Pouring Curb and Inlet Throat)



On Grade Curb Inlet Protection



Sump Inlet Sediment Filter

LATE STAGE CURB INLET
(After Pouring Curb and Inlet Throat)

Notes:

1. Immediately following inlet construction and prior to construction of curb and inlet throat, protect inlet opening by installing 2" x 10" (min.) board wrapped in silt fence. Structures shall have excavated storage area on all four sides to allow settling of sediment (Early Stage Curb Inlet).
2. When inlet is completed and curb poured, filter socks or approved equal should be used (Late Stage Curb Inlet). Straw wattles are not approved for curb inlet use.
3. Contractor to field verify ponding water shall not create a traffic hazard.

Maintenance:

1. Remove deposited sediment from excavated storage areas when available storage has been reduced by 20%.
2. Remove deposited sediment from filter socks or similar when any accumulation of sediment is visible.
3. Repair or replace as necessary to maintain function and integrity of installation.

AMERICAN PUBLIC WORKS ASSOCIATION

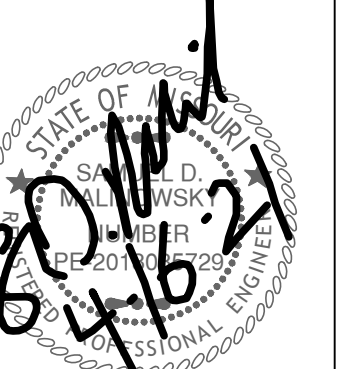


KANSAS CITY METRO CHAPTER
STANDARD DRAWING NUMBER ESC-06
ADOPTED: 10/24/2016

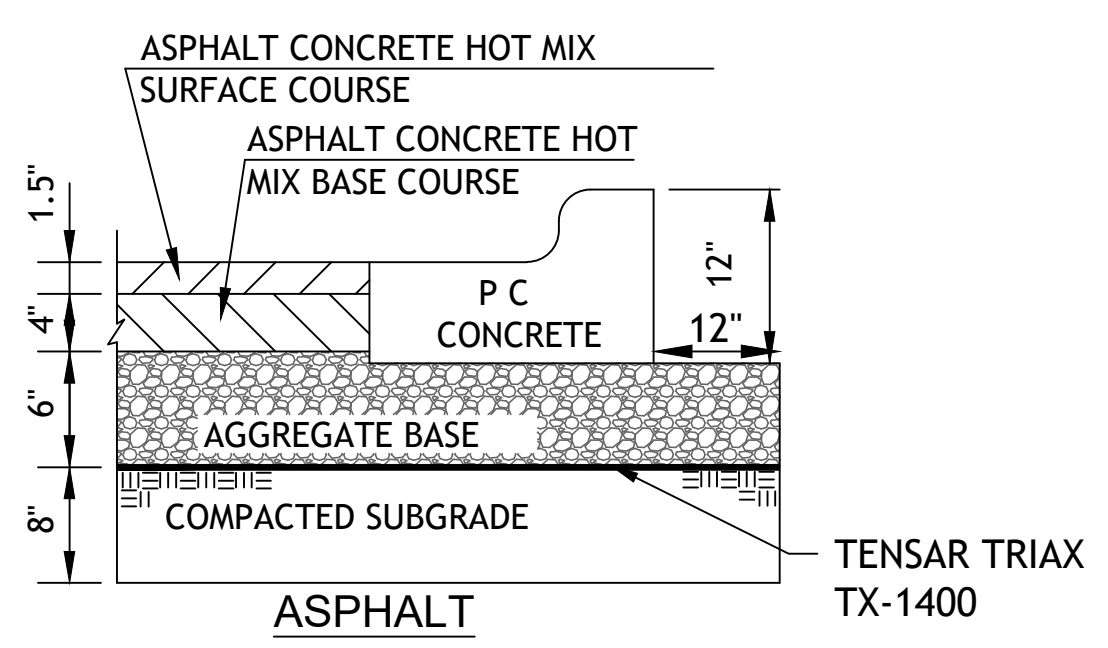
Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.

LOT 1 STREETS OF PRYOR
LEES SUMMITT, MO.

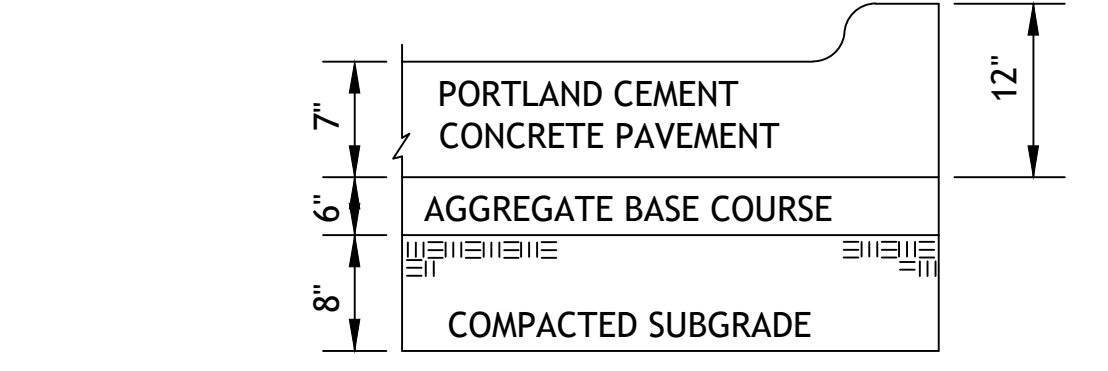
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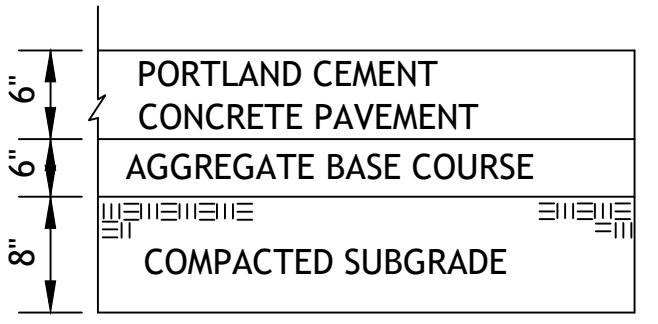


REGULAR DUTY PAVING PV1

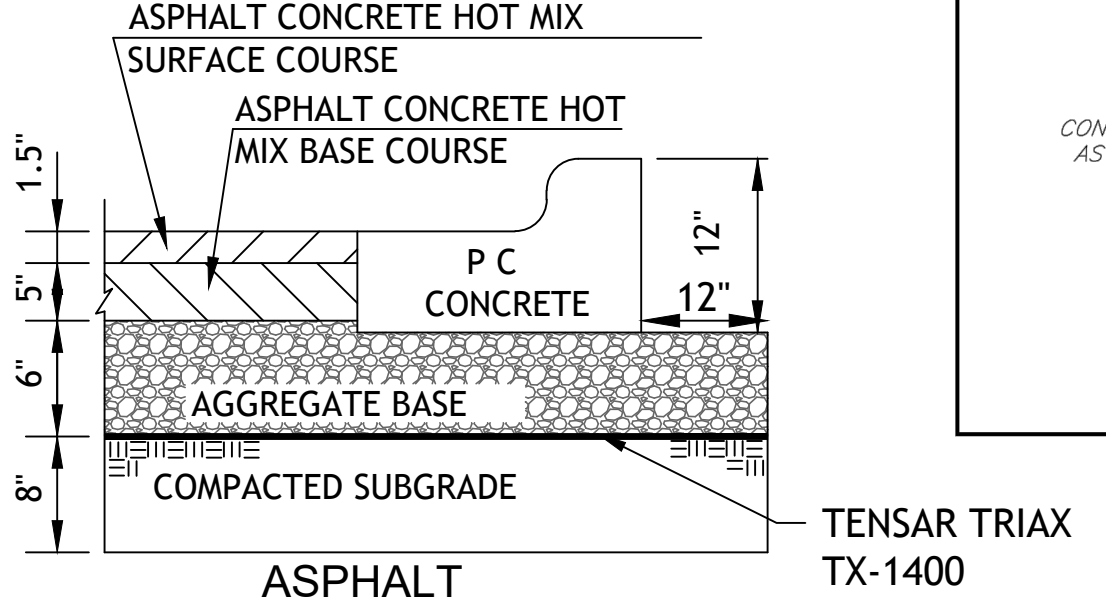


HEAVY DUTY CONCRETE PV3

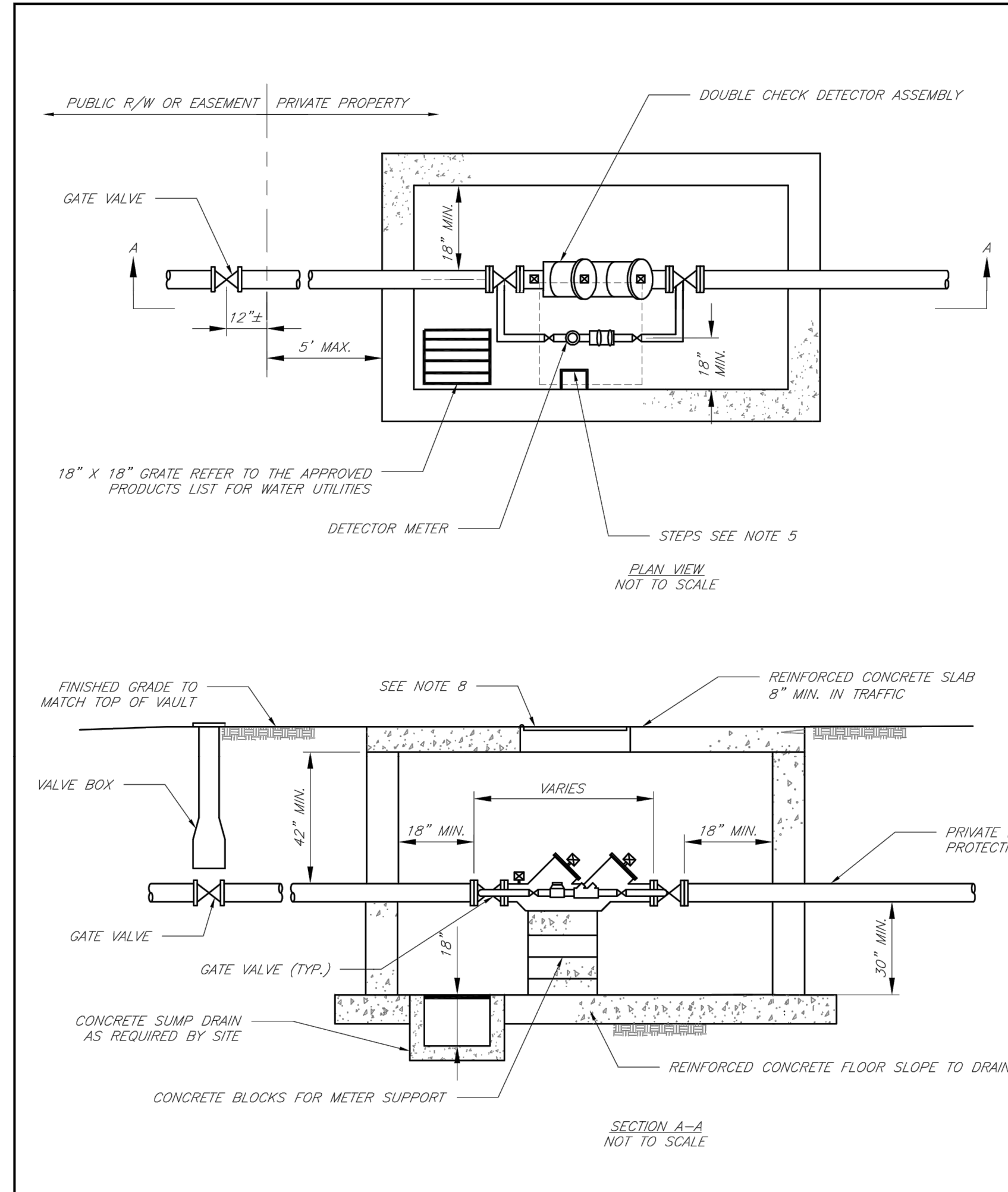
- FLEXIBLE PAVEMENT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MISSOURI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
 ASPHALT SURFACE COURSE - APWA TYPE 3-01
 ASPHALT BASE COURSE - APWA TYPE 2-01
 AGGREGATE BASE MoDOT TYPE 5 OR EQUIVALENT
- PORTLAND CEMENT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS WITH 6% ENTRAINED AIR ±2% AND SHALL MEET OR EXCEED THE SPECIFICATIONS SET FORTH IN THE LATEST EDITION OF THE MISSOURI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.



TRAIL PAVING TP



HEAVY DUTY ASPHALT PAVING PV2



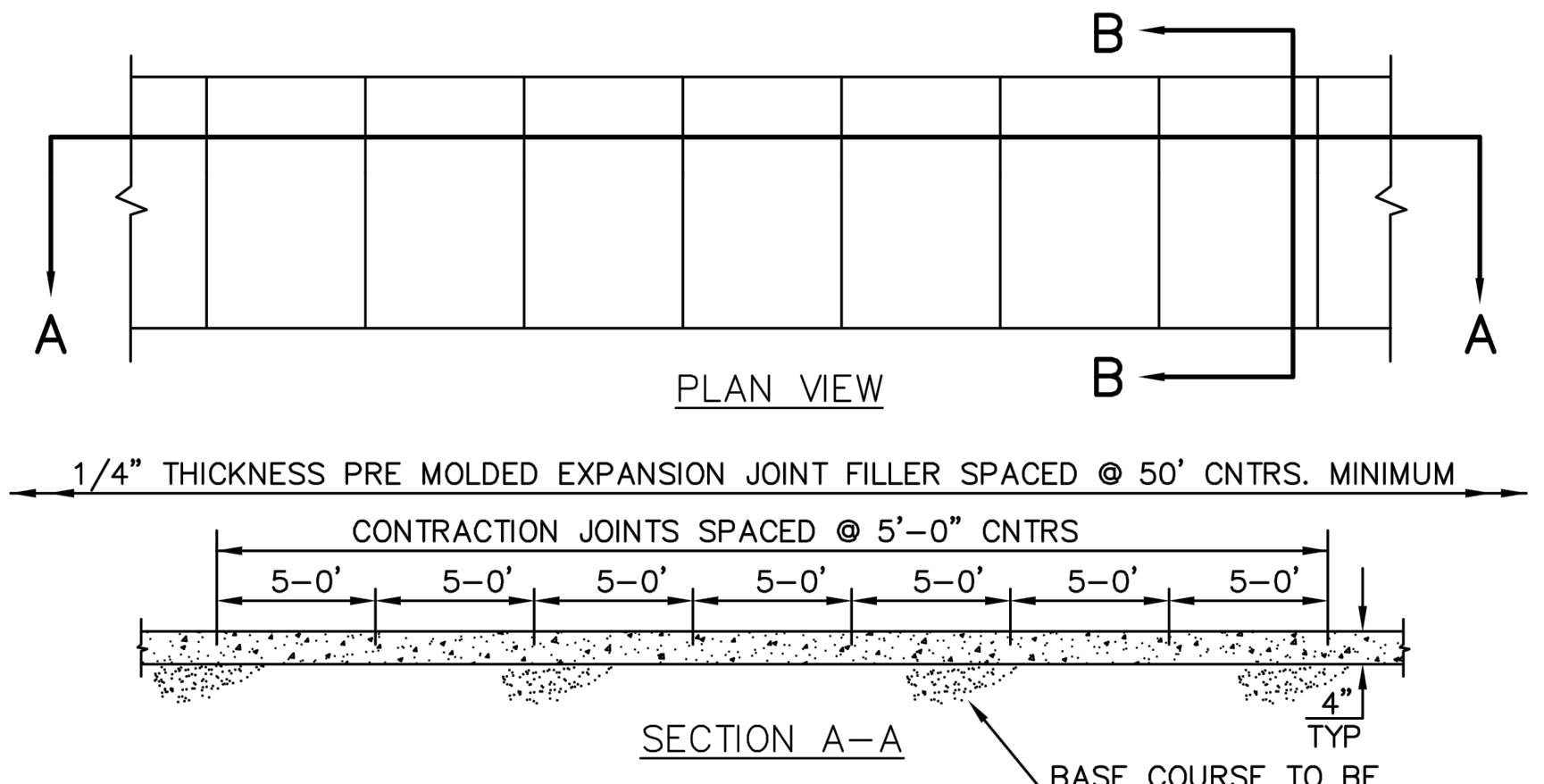
- GENERAL NOTES:**
- METER VAULT WALLS TO BE POURED OR PRECAST CONCRETE. METER VAULT ROOF TO BE REINFORCED CONCRETE WITH OPENING CENTERED OVER DETECTOR METER. REINFORCED WALLS AND SLABS ARE TO BE DESIGNED BY THE OWNER'S ENGINEER OR PRECAST ENGINEER.
 - METER VAULT TO BE LOCATED, WHEN POSSIBLE, OUTSIDE TRAFFIC AREA AND WHERE SURFACE WATER WILL NOT DRAIN INTO IT. PROVIDE CONCRETE SUMP TO DRAIN TO AN ABOVE GROUND DISCHARGE POINT.
 - ALL PIPE AND FITTINGS FROM THE CITY WATER MAIN THROUGH THE VAULT SHALL BE PROVIDED WITH RESTRAINED JOINT FITTINGS.
 - ALL FITTINGS FOR THE DETECTOR METER TO BE BRASS.
 - STEPS SHALL BE IN ACCORDANCE WITH THE APPROVED PRODUCTS LIST FOR WATER UTILITIES AND SHALL BE ON 18\"/>
 - A DEPARTMENT OF NATURAL RESOURCES APPROVED DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTER MUST BE USED. FOR A COPY OF THE MISSOURI DEPARTMENT OF NATURAL RESOURCES APPROVED BACKFLOW PREVENTION ASSEMBLIES, CONTACT WATER UTILITIES AT 816-969-1900.
 - ALL VALVES SHALL HAVE RISING STEMS.
 - MANHOLE COVER SHALL BE A BILCO K-1 MODEL UNLESS IN A VEHICLE TRAFFIC AREA. SEE THE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR TRAFFIC CONDITIONS. THE COVER SHALL HAVE A 1-3/4\"/>
 - A MINIMUM OF 18\"/>
 - CONTACT PUBLIC WORKS ENGINEERING FOR VAULTS THAT INCLUDE A FIRE DEPARTMENT CONNECTION OR A 3\"/>

CITY OF LEE'S SUMMIT, MO
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
LEE'S SUMMIT, MO 64080

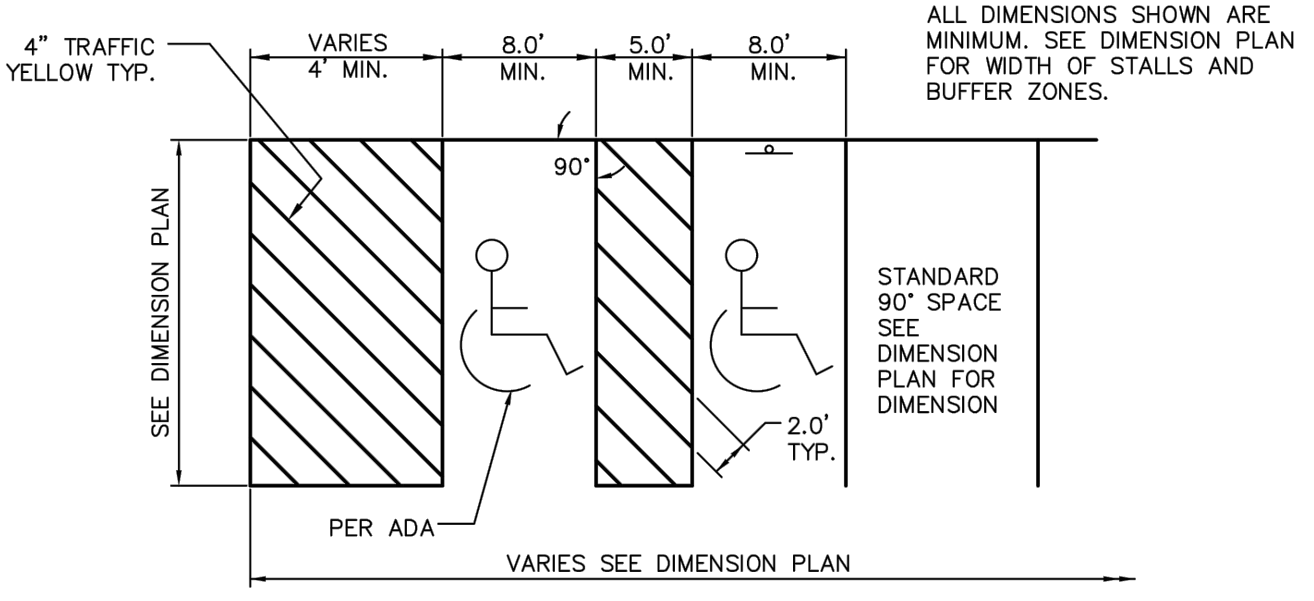


STANDARD DRAWINGS
VAULT FOR DOUBLE CHECK DETECTOR CHECK

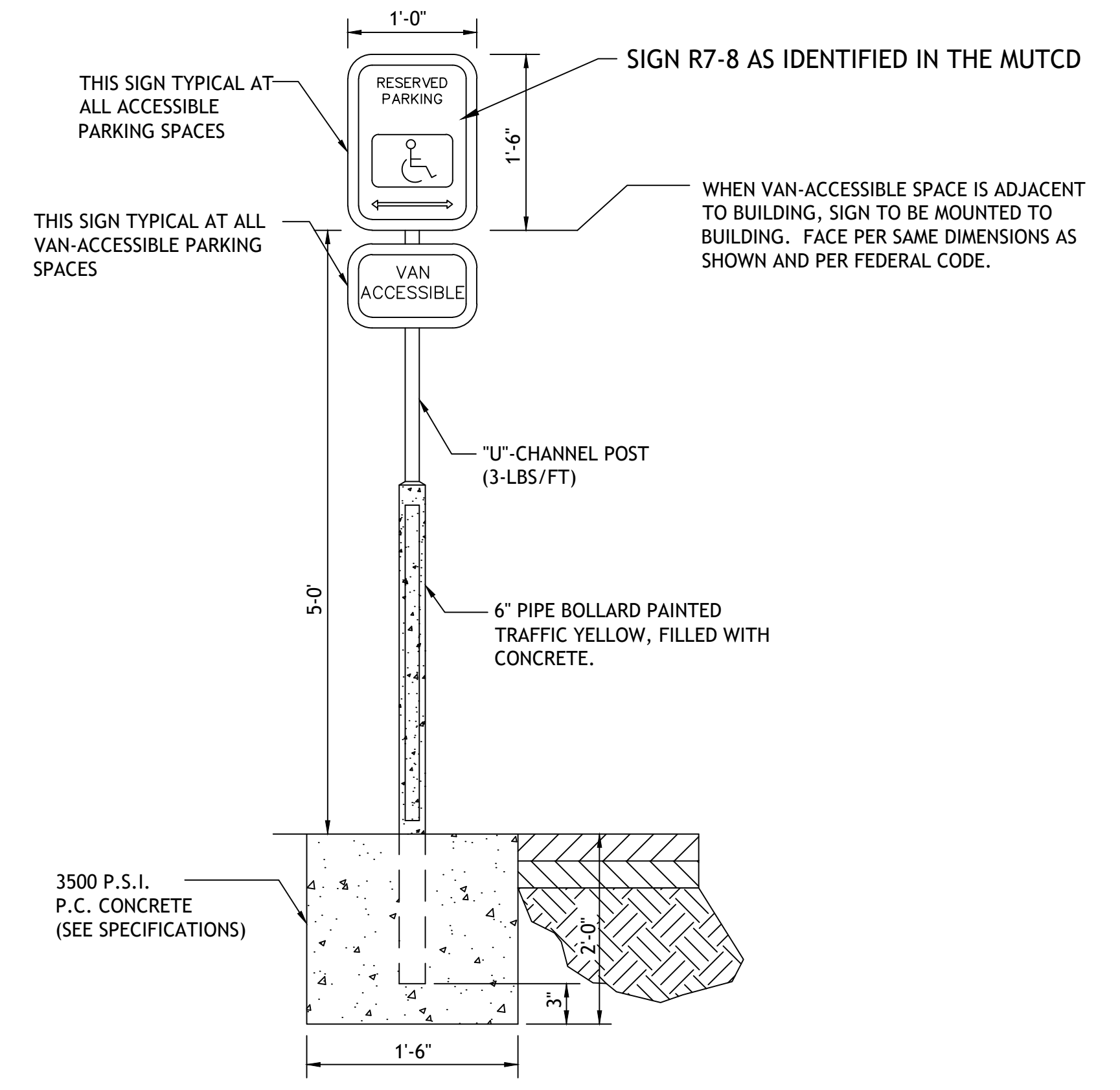
Drawn By: AS
Checked By: JL
Issue: 1/1/19
Rev: 1/1/14
or
WAT-12



CONCRETE SIDEWALK CW2

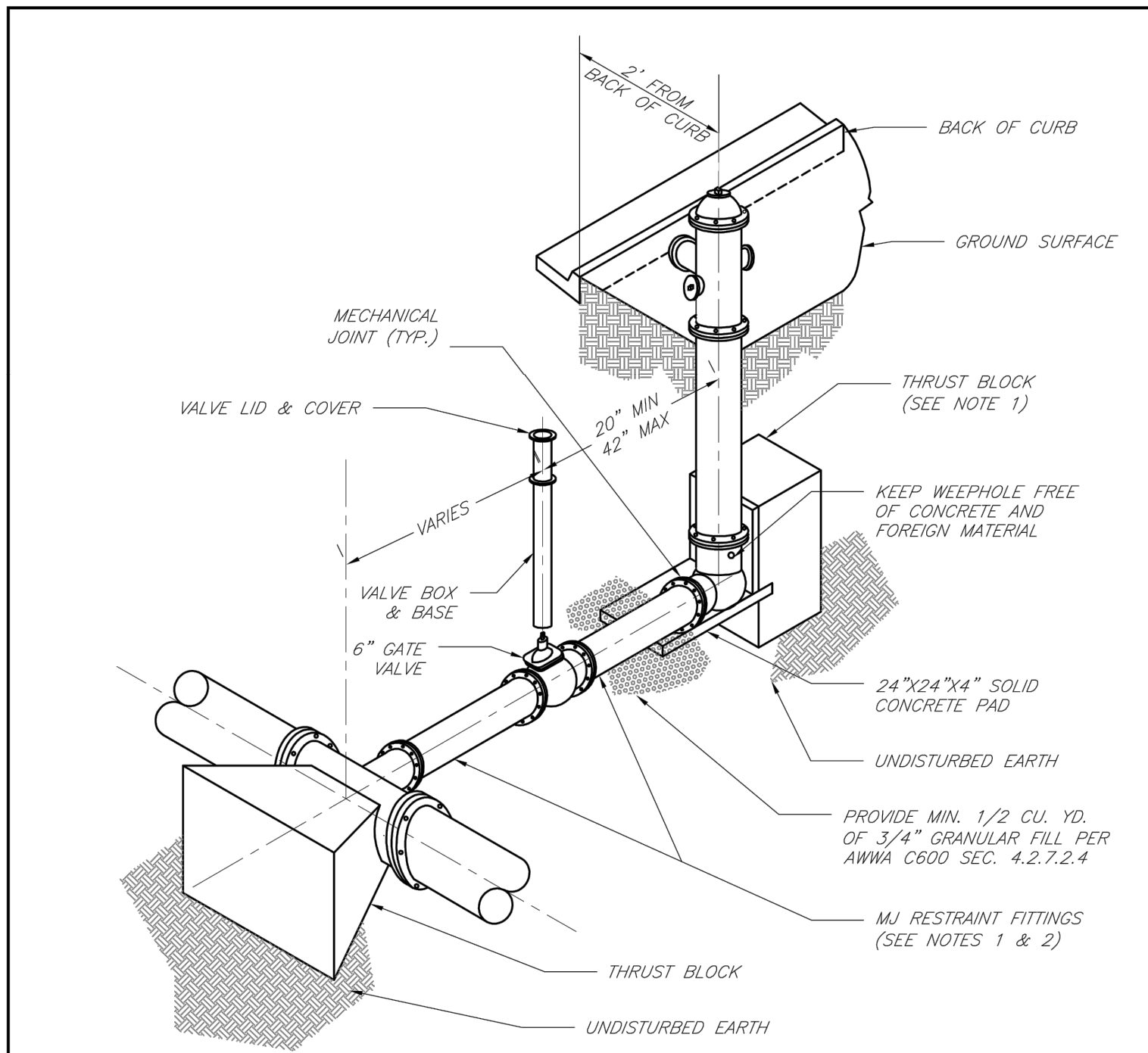
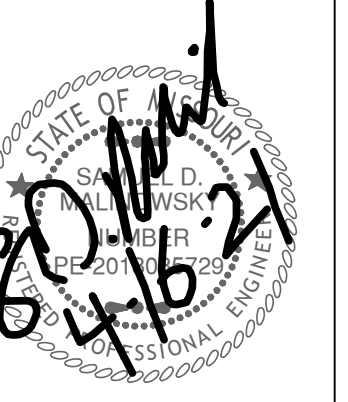


90° ACCESSIBLE & VAN ACCESSIBLE SPACE STRIPING PK1



ACCESSIBLE PARKING SIGN PK2

LOT 1 RED DOOR GRILL
 RED DOOR GRILL
 LOT 1 STREETS OF PRYOR
 LEE'S SUMMIT, MO.

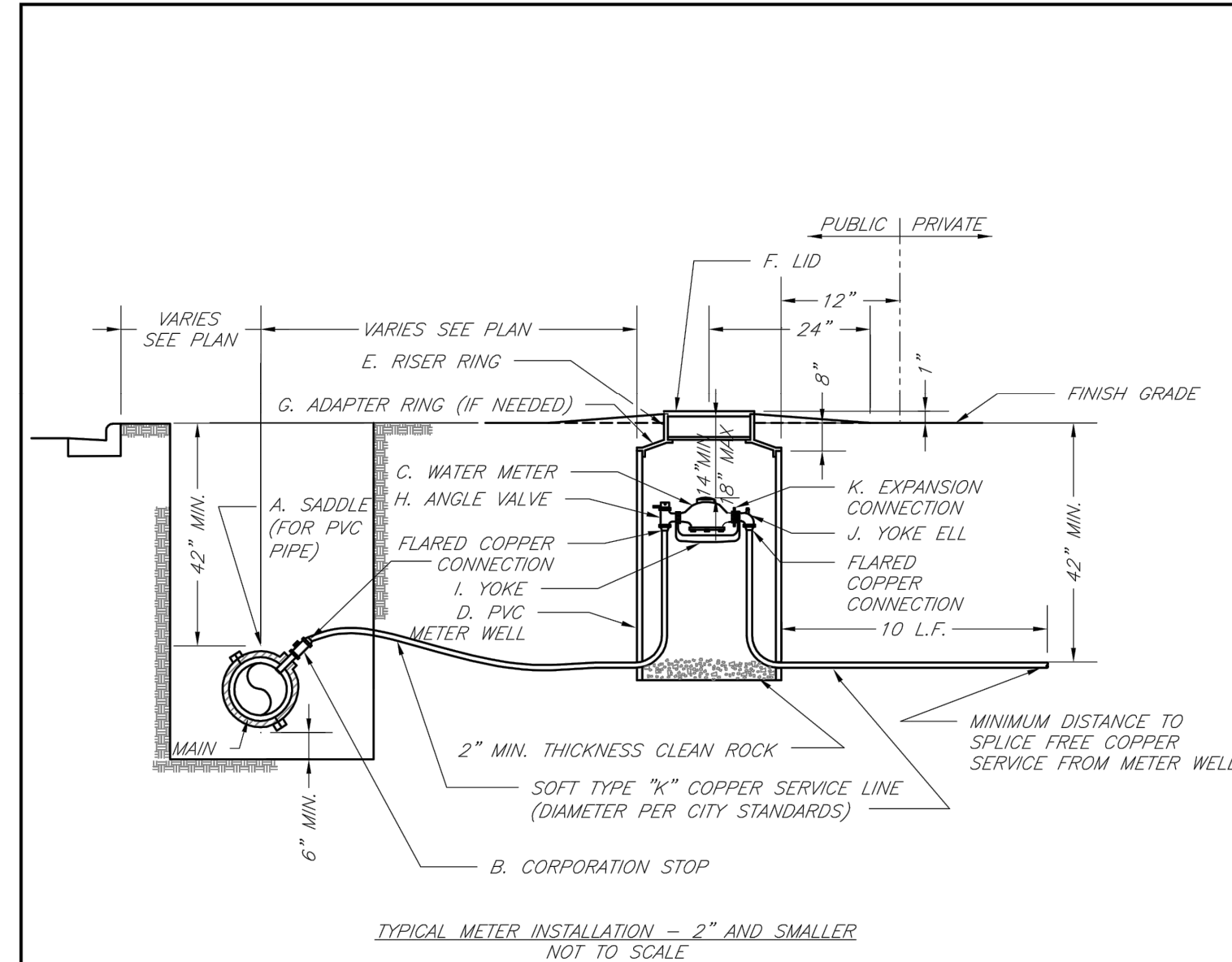


- NOTES:**
- WHEN RETAINER GLANDS ARE USED IN LIEU OF MECHANICAL JOINT (MJ) RESTRAINT FITTINGS, HORIZONTAL THRUST BLOCKS ARE REQUIRED.
 - GATE VALVE MAY BE BOLTED DIRECTLY TO MJ RESTRAINT TEE.
 - SEE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR FIRE HYDRANT, VALVES, VALVE BOX LID, AND COVER.
 - BOTTOM HYDRANT FLANGE SHALL BE 2" TO 6" ABOVE FINISHED GRADE.
 - FOR STREETS WITHOUT CURBS FIRE HYDRANTS SHALL BE PLACED WITHIN 1 FOOT OF THE R/W LINE, BUT NOT MORE THAN 10' FROM EDGE OF PAVEMENT. FIRE HYDRANT SHALL NOT BE PLACED IN BOTTOM OF DITCH.
 - HYDRANT SHALL BE ROTATED AS DIRECTED BY INSPECTOR.

LEE'S SUMMIT MISSOURI
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HYDRANT INSTALLATION - STRAIGHT SET

Date: 02/13
Drawn By: JN
Checked By: DL
File: WAT-7
Rev: 1/14

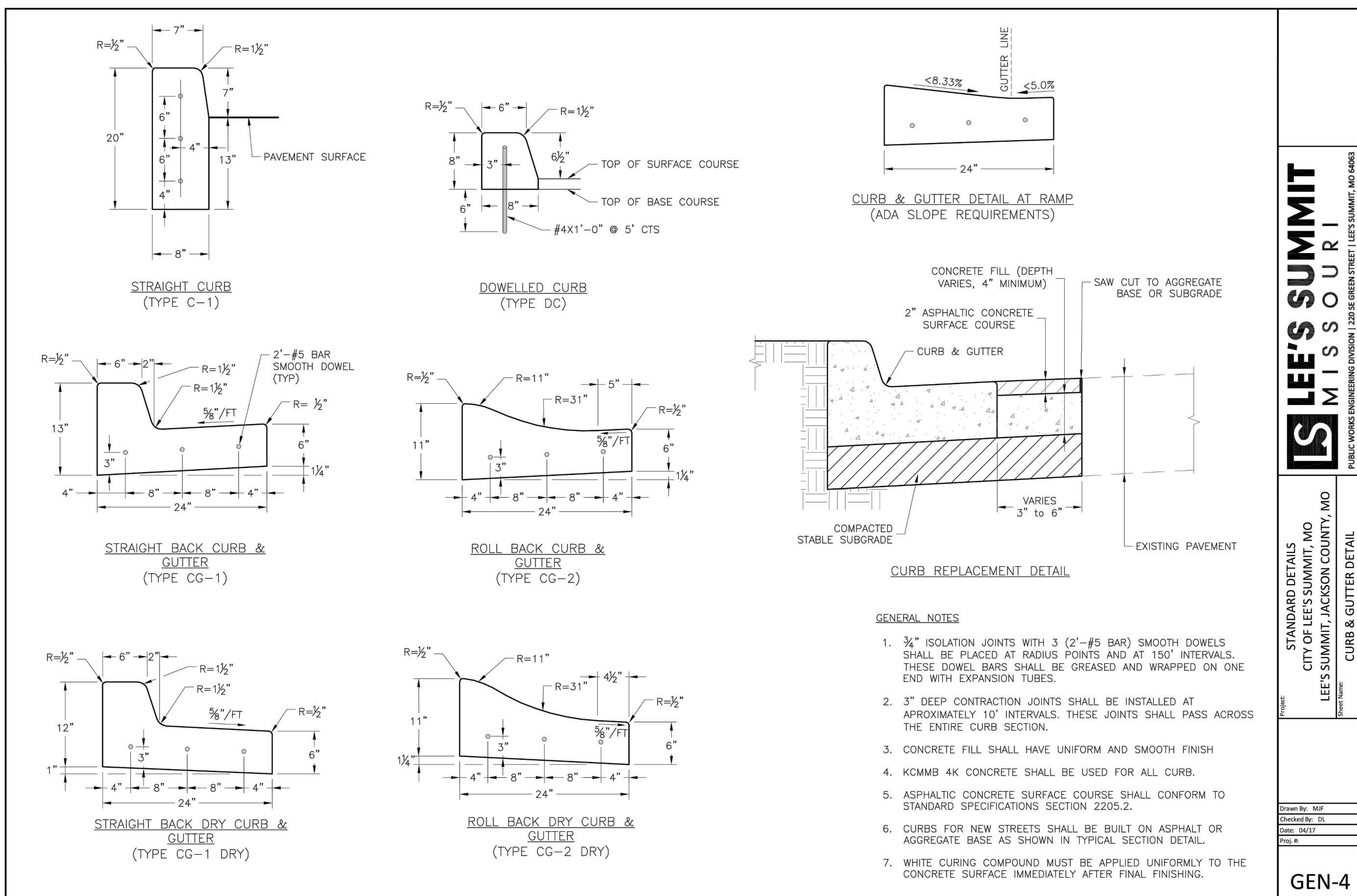


- NOTES:**
- METER INSTALLATION SHALL NOT BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC OR IN CONCRETE PAVEMENT WITHOUT CITY APPROVAL.
 - IF METER IS TO BE LOCATED OTHER THAN IN FRONT OF PROPERTY LINE, CITY APPROVAL SHALL BE OBTAINED.
 - CITY TO FURNISH ITEMS A-K.
 - NO OTHER EQUIPMENT SHALL BE INSTALLED IN THIS PIT.
 - 42" MINIMUM BURY DEPTH FOR ALL SERVICE LINES.
 - EXCAVATION FOR TAP TO EXPOSE 4' LINEAR FEET OF MAIN.
 - NO SPLICES ALLOWED BETWEEN METER AND MAIN.
 - SERVICE CONNECTION TAP AT APPROXIMATELY 45 DEGREES.
 - LID AND RISER RING SHALL BE SET SO THAT GROUND WATER WILL DRAIN AWAY FROM THE WELL.
 - CONTACT WATER UTILITIES, 816-969-1900, FOR REQUIREMENTS OF A METER LARGER THAN 2"

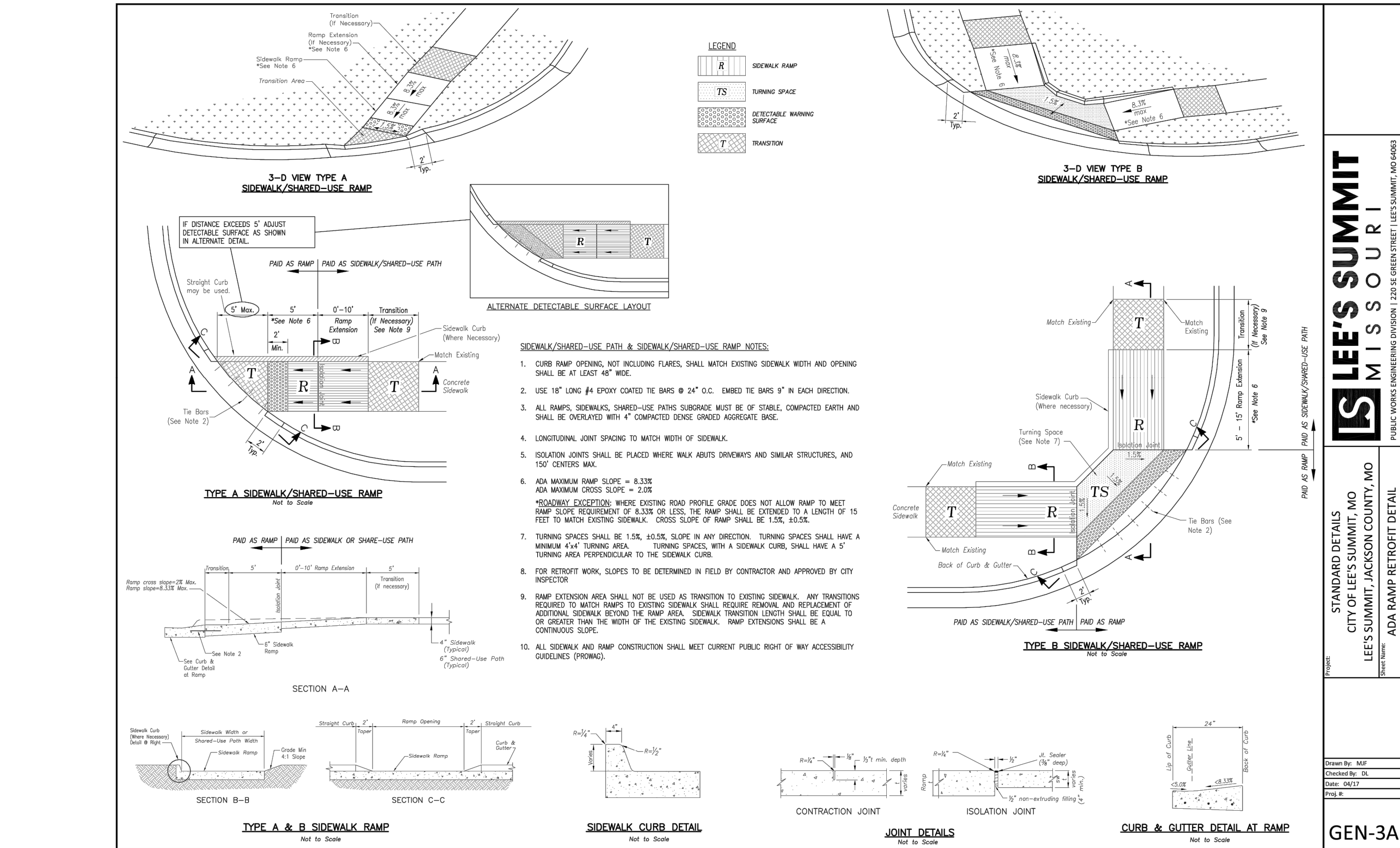
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SERVICE CONNECTION/METER WELL

Date: 02/13
Drawn By: JN
Checked By: DL
File: WAT-11
Rev: 1/14



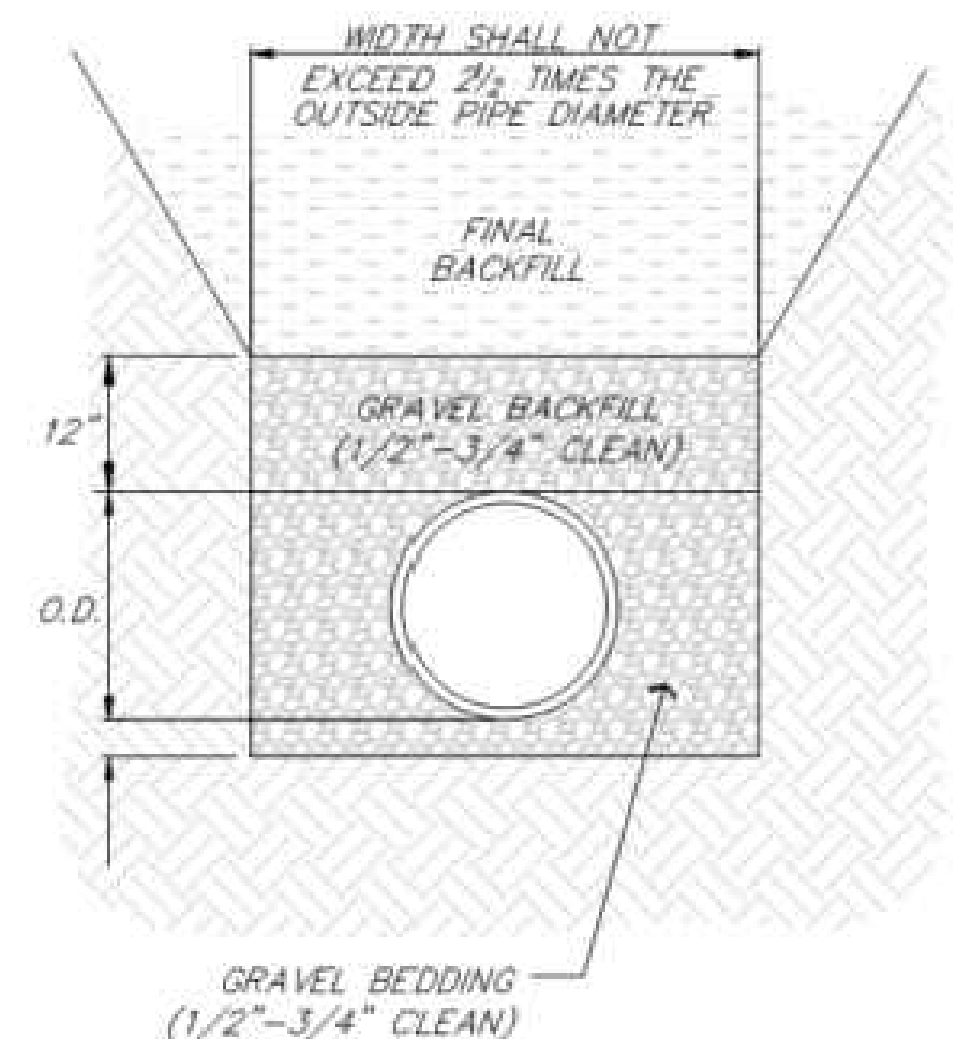
- GENERAL NOTES:**
- 3/4" ISOLATION JOINTS WITH 3 (2'-#5 BAR) SMOOTH DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS. THESE DOWEL BARS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
 - 3" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATELY 10' INTERVALS. THESE JOINTS SHALL PASS ACROSS THE ENTIRE CURB SECTION.
 - CONCRETE FILL SHALL HAVE UNIFORM AND SMOOTH FINISH.
 - KCMB 4K CONCRETE SHALL BE USED FOR ALL CURB.
 - ASPHALTIC CONCRETE SURFACE COURSE SHALL CONFORM TO STANDARD SPECIFICATIONS SECTION 2205.2.
 - CURBS FOR NEW STREETS SHALL BE BUILT ON ASPHALT OR AGGREGATE BASE AS SHOWN IN TYPICAL SECTION DETAIL.
 - WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.



- SIDEWALK/SHARED-USE PATH & SIDEWALK/SHARED-USE RAMP NOTES:**
- CURB RAMP OPENING, NOT INCLUDING FLARES, SHALL MATCH EXISTING SIDEWALK WIDTH AND OPENING SHALL BE AT LEAST 48" WIDE.
 - USE 1/2" LONG #4 EPOXY COATED TIE BARS @ 24" O.C. EMBED TIE BARS 9" IN EACH DIRECTION.
 - ALL RAMP, SIDEWALK, SHARED-USE PATHS SUBGRADE MUST BE OF STABLE, COMPACTED EARTH AND SHALL BE OVERLAIN WITH 4" COMPACTED BLENDED AGGREGATE BASE.
 - LONGITUDINAL JOINT SPACING TO MATCH WIDTH OF SIDEWALK.
 - ISOLATION JOINTS SHALL BE PLACED WHERE WALK ABUTS DRAINWAYS AND SIMILAR STRUCTURES, AND USE CROSSING BARS.
 - ADA MAXIMUM RAMP SLOPE = 8.33%
ADA MAXIMUM CROSS SLOPE = 2.08%
SLOPEY EXCEPTION: WHERE EXISTING ROAD PROFILE GRADE DOES NOT ALLOW RAMP TO MEET RAMP SLOPE REQUIREMENT OF 8.33% OR LESS, THE RAMP SHALL BE EXTENDED TO A LENGTH OF 15 FEET TO MATCH EXISTING SIDEWALK. CROSS SLOPE OF RAMP SHALL BE 1.5% B/S/S.
 - TURNING SPACES SHALL BE 1.5% 15.0% SLOPE IN ANY DIRECTION. TURNING SPACES SHALL HAVE A MINIMUM 4' TURNING AREA. TURNING SPACES WITH A SIDEWALK CURB, SHALL HAVE A 5' TURNING AREA PERPENDICULAR TO THE SIDEWALK CURB.
 - FOR RETROFIT WORK, SLOPES TO BE DETERMINED IN FIELD BY CONTRACTOR AND APPROVED BY CITY INSPECTOR.
 - RAMP EXTENSION AREA SHALL NOT BE USED AS TRANSITION TO EXISTING SIDEWALK. ANY TRANSITIONS REQUIRED TO MATCH RAMP TO EXISTING SIDEWALK SHALL REQUIRE REMOVAL AND REPLACEMENT OF ADDITIONAL SIDEWALK BEHIND THE RAMP AREA. SIDEWALK TRANSITION LENGTH SHALL BE EQUAL TO OR GREATER THAN THE WIDTH OF THE EXISTING SIDEWALK. RAMP EXTENSIONS SHALL BE A CONTINUOUS SLOPE.
 - ALL SIDEWALK AND RAMP CONSTRUCTION SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROVING).

- BEDDING**
1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS
- INITIAL BACKFILL**
- UNDER PAVED AREAS OR WITHIN 4' HORIZONTAL OF PAVED AREAS
1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS
- UNDER OPEN AREAS
1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS
- FINAL BACKFILL**
- UNDER PAVED AREAS OR WITHIN 4' HORIZONTAL OF PAVED AREAS
ON-SITE OR IMPORTED MATERIAL FREE OF MUCK, FROZEN MATERIAL, EXCESS MOISTURE, ORGANICS, TOPSOIL, RUBBISH, CONSTRUCTION DEBRIS, ROCK OR BRICK LARGER THAN 8", COMPACTED TO 95% OF STANDARD DENSITY PER ASTM D-698
- UNDER OPEN AREAS
ON-SITE OR IMPORTED MATERIAL FREE OF MUCK, FROZEN MATERIAL, EXCESS MOISTURE, ORGANICS, TOPSOIL, RUBBISH, CONSTRUCTION DEBRIS, ROCK OR BRICK LARGER THAN 8", COMPACTED TO 90% OF STANDARD DENSITY PER ASTM D-698

PIPE DIAMETER	IN SOIL	IN ROCK
24" AND LESS	4"	6"
27" THRU 60"	4"	9"



PIPE BEDDING DETAIL
NOT TO SCALE

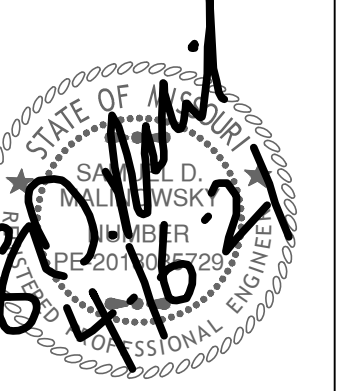
LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

ADA RAMP RETROFIT DETAIL

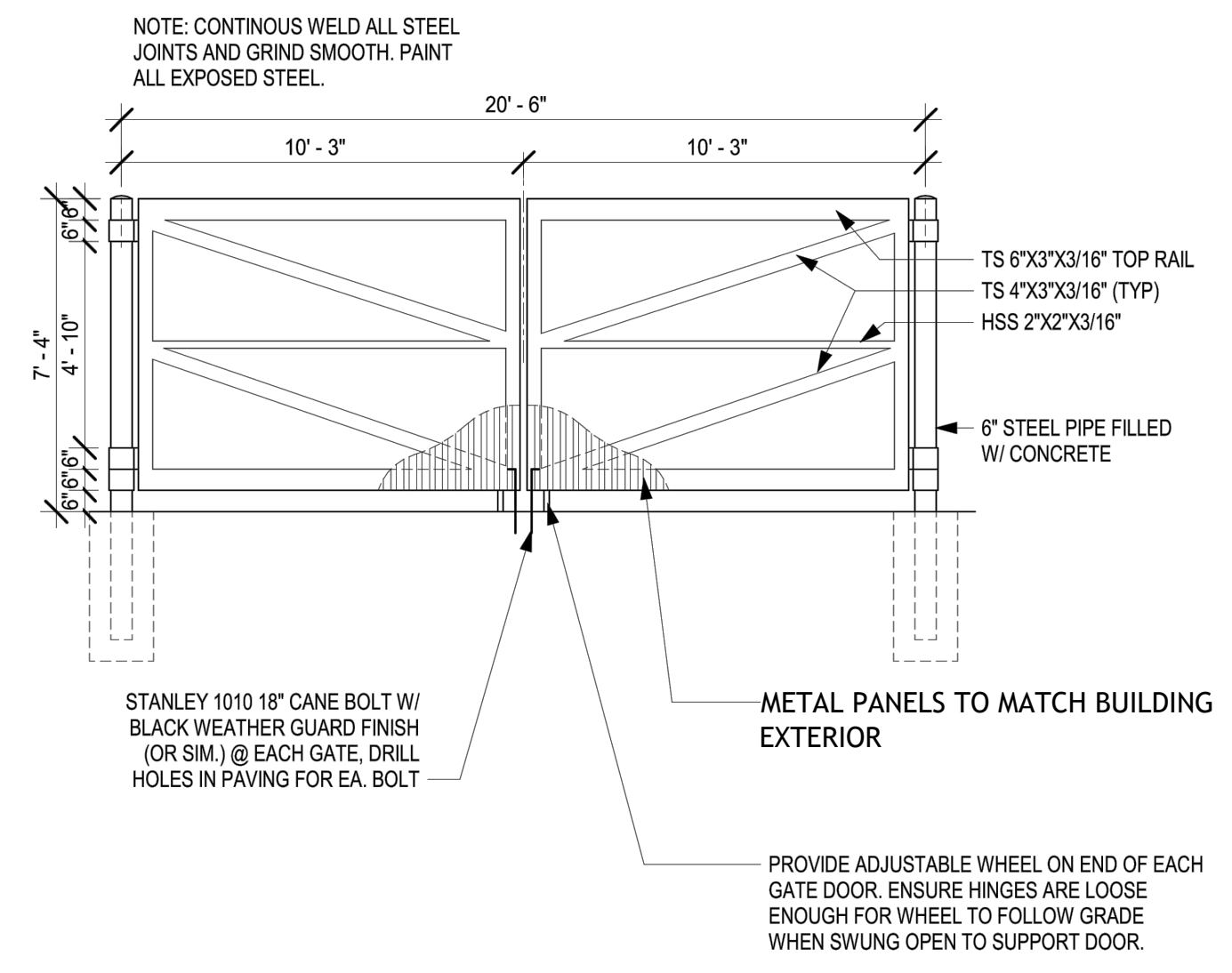
Date: 02/13
Drawn By: JN
Checked By: DL
File: WAT-11
Rev: 1/14

LOT 1 RED DOOR GRILL
STREETS OF PRYOR
 LEE'S SUMMIT, MO.

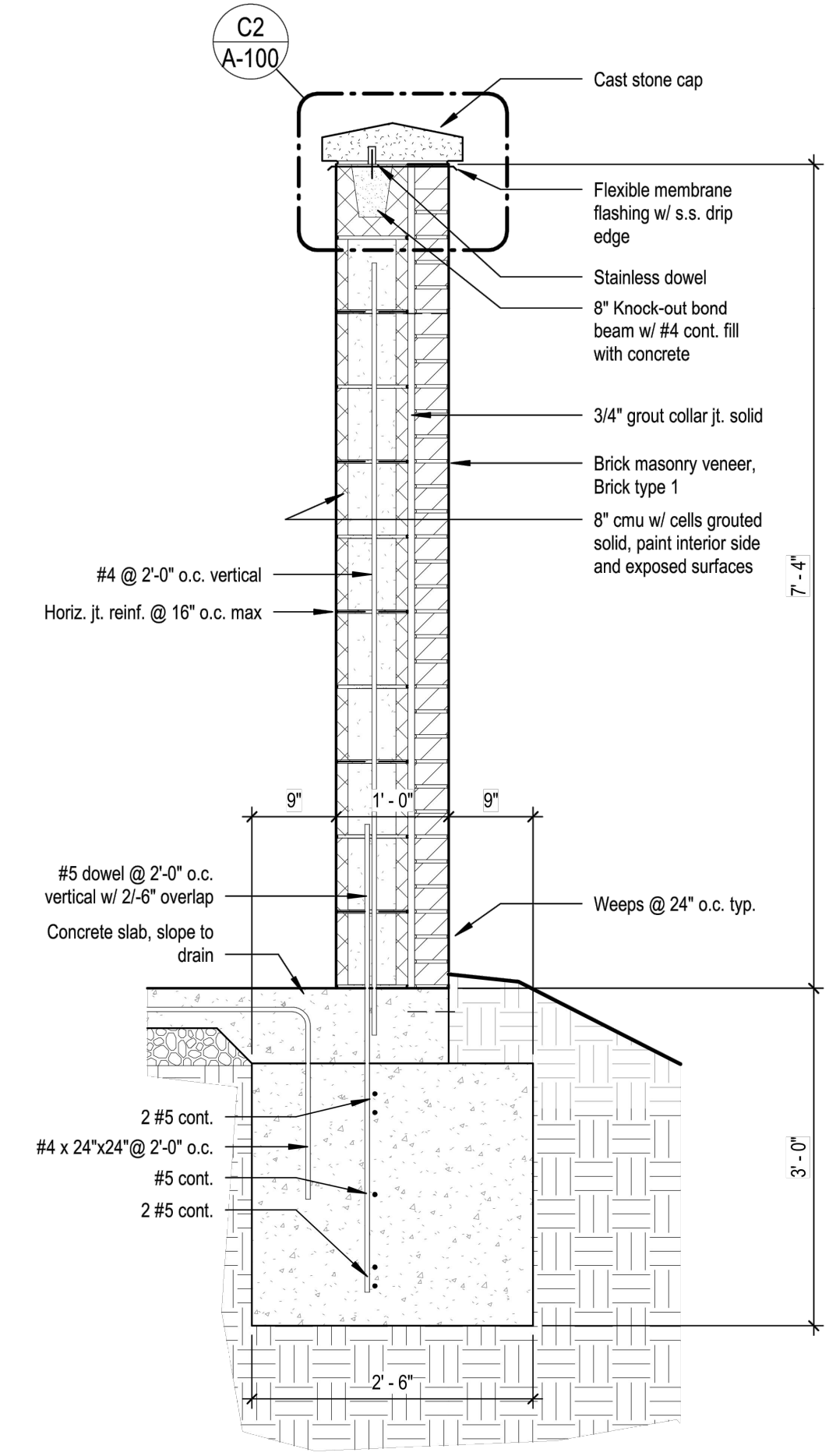
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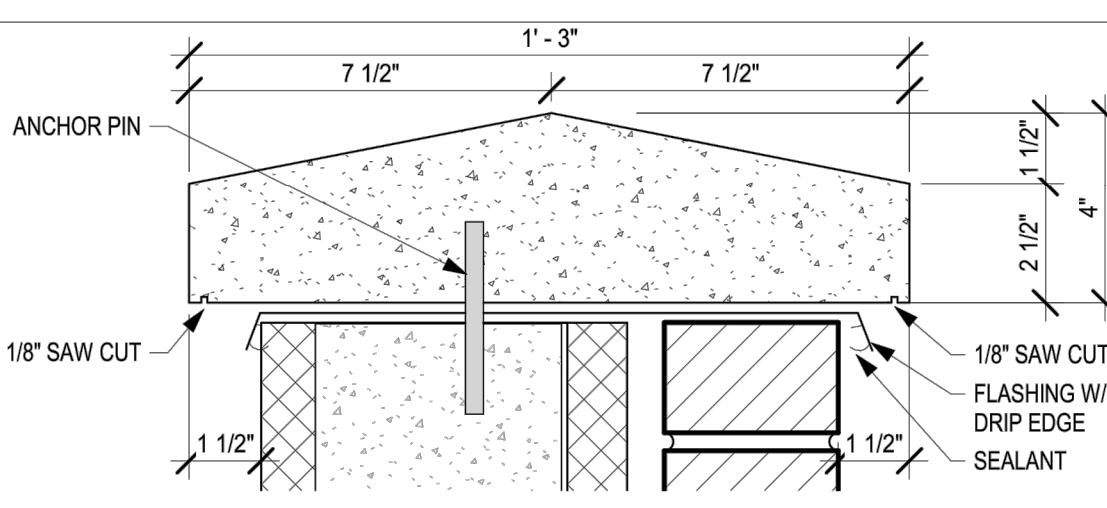
Revisions
 4-2-21 CITY COMMENTS
 4-12-21 CLIENT COMMENTS
 4-16-21 BID/PERMIT SET



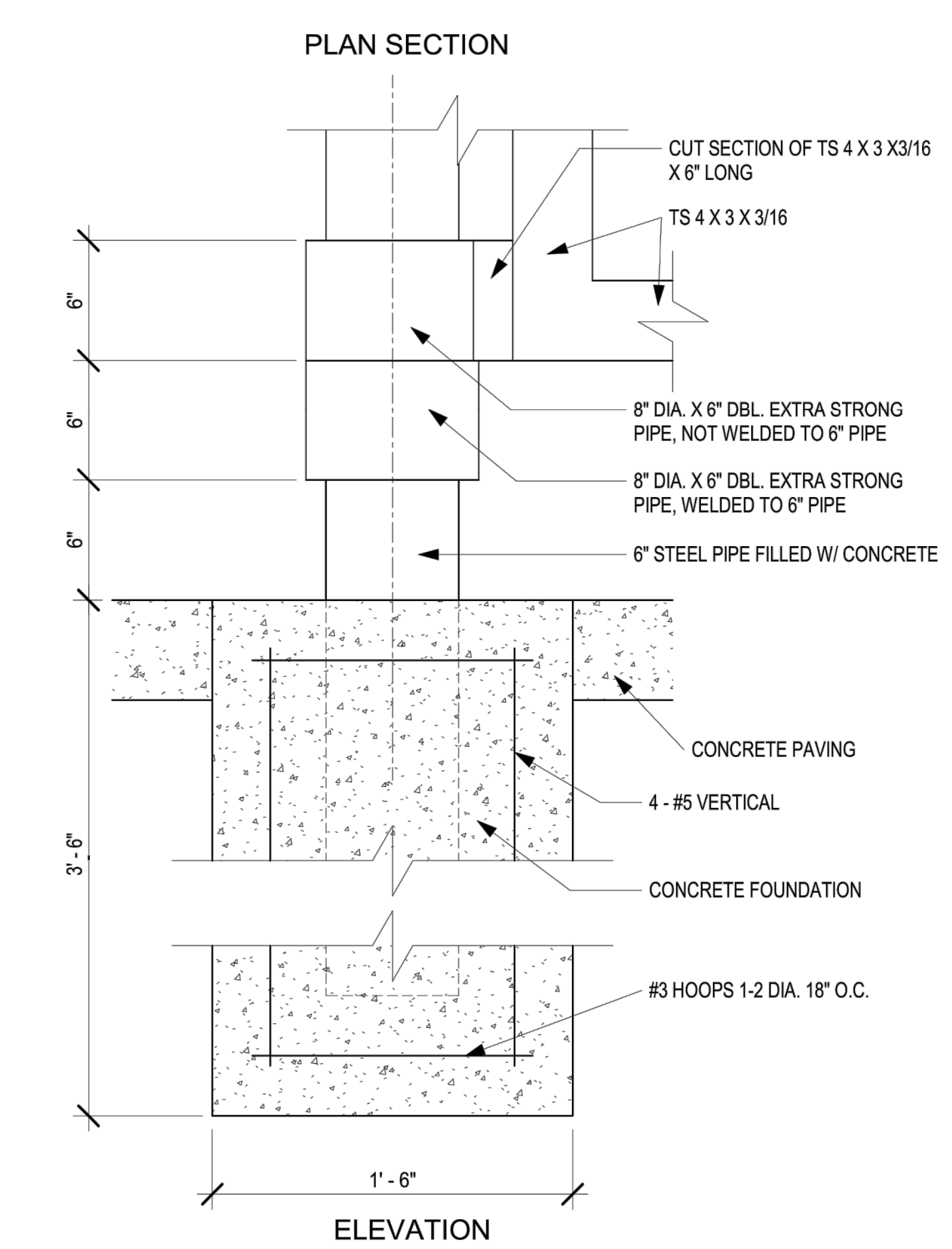
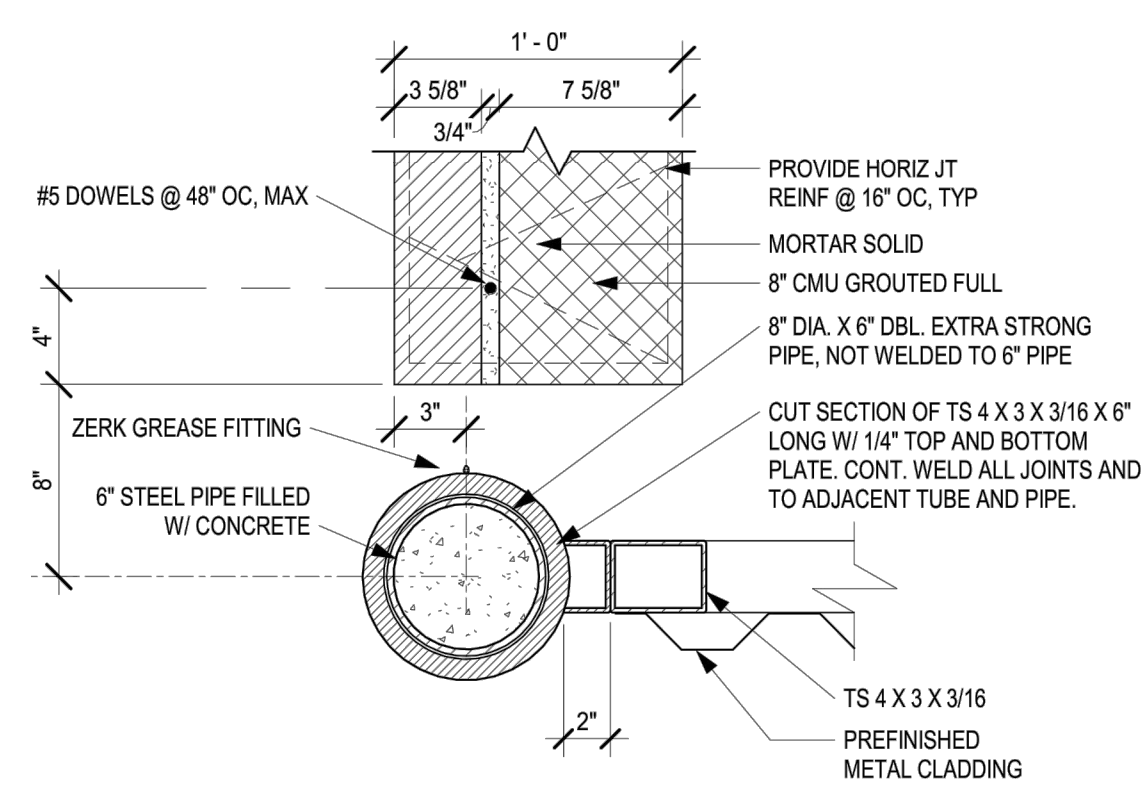
C1 TRASH ENCLOSURE GATE ELEVATION
 SCALE: 1/4" = 1'-0"



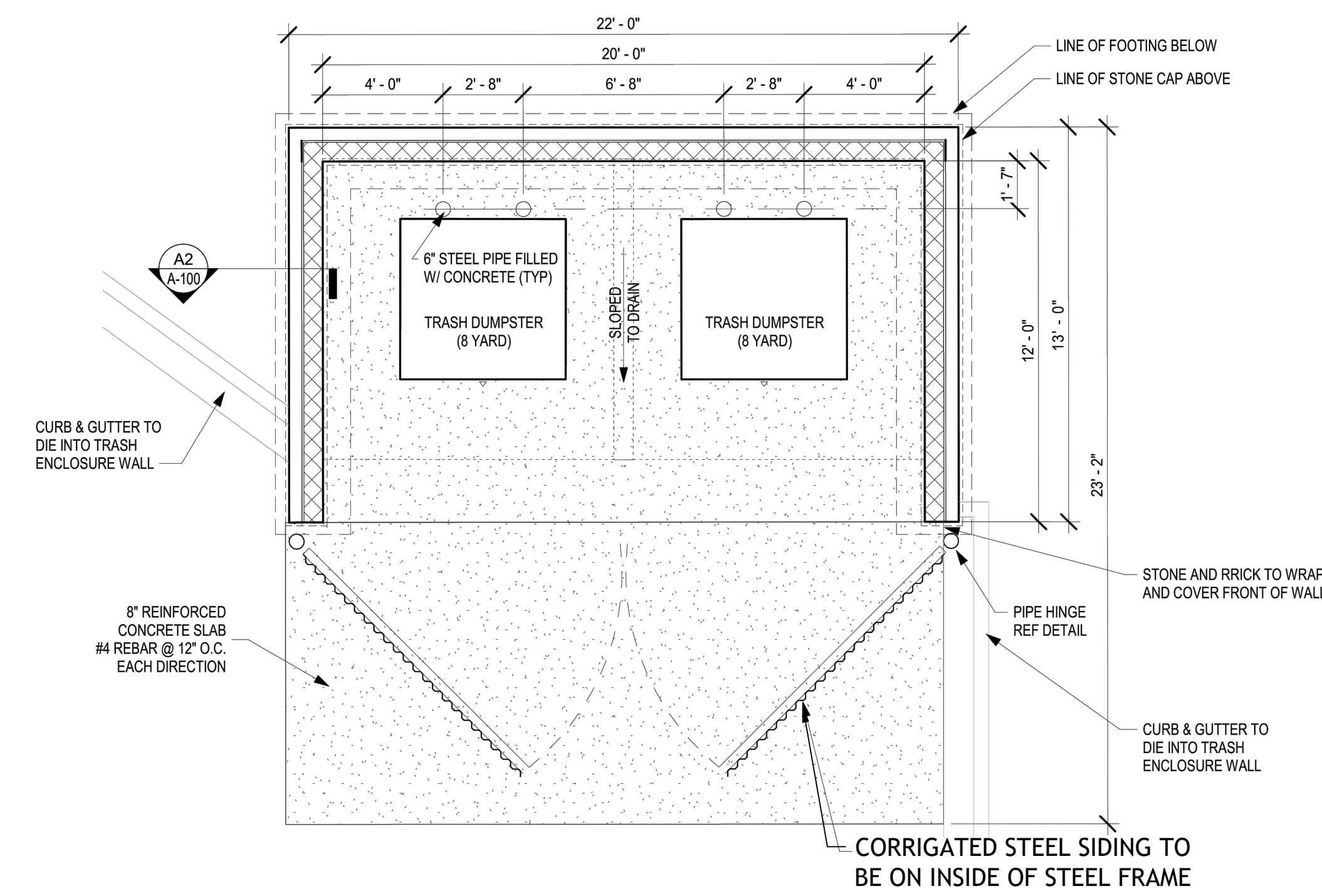
NOTES:
 BRICK- YANKEE HILL DARK IRON SPOT
 MORTAR- SPEC MIX SM770 (SUBMIT TO OWNER FOR APPROVAL)
 STONE- GLEN GEARY GLENN RIDGE BLACK/GRANITE



C2 TRASH ENCLOSURE CAP DETAIL
 SCALE: 3" = 1'-0"



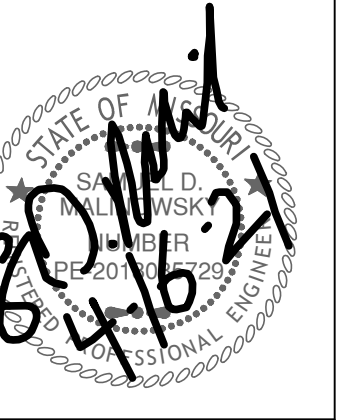
A1 ENCLOSURE GATE HINGE DETAIL
 SCALE: 1 1/2" = 1'-0"



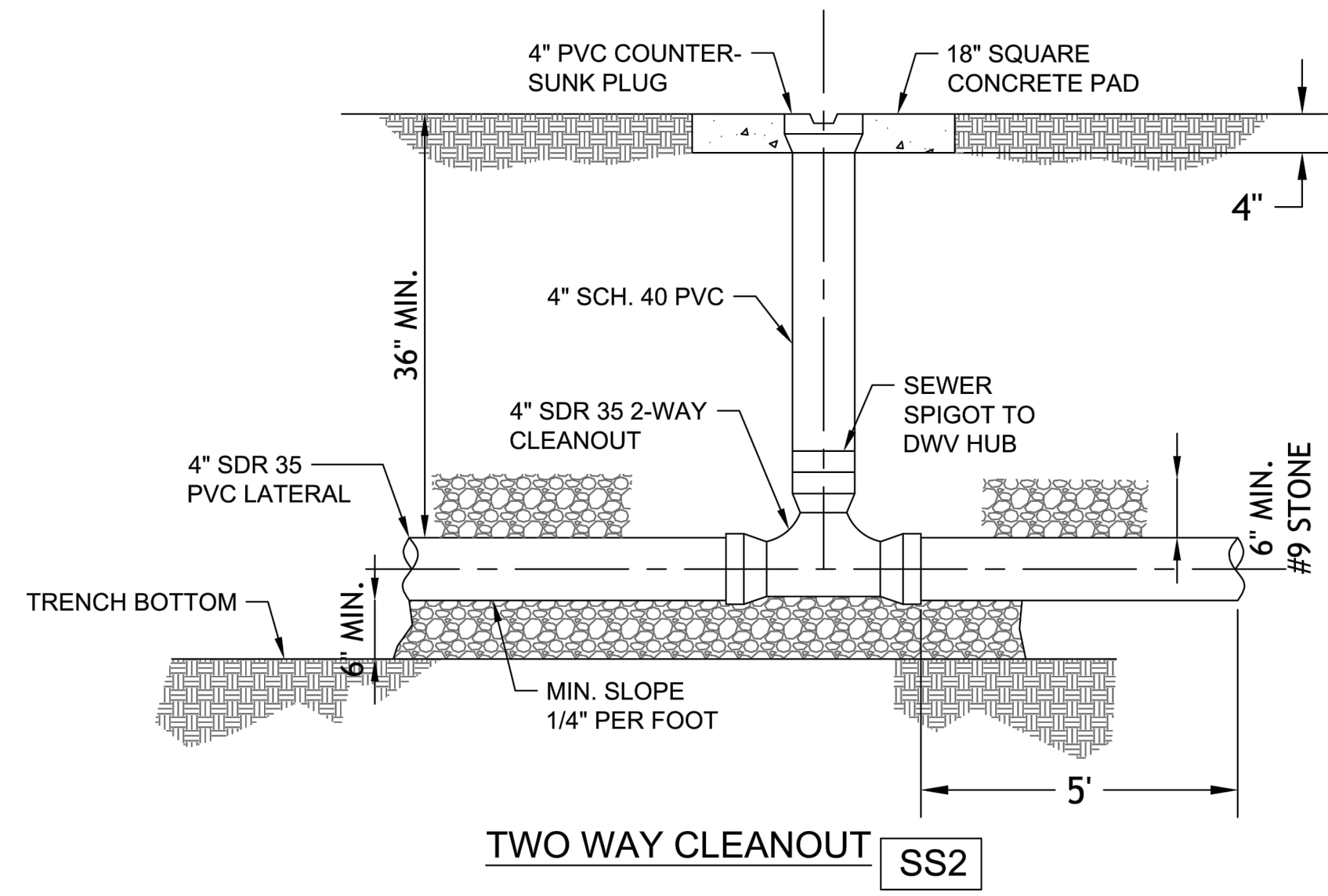
TRASH ENCLOSURE

LOT 1 STREETS OF PRYOR
 LEES SUMMITT, MO.

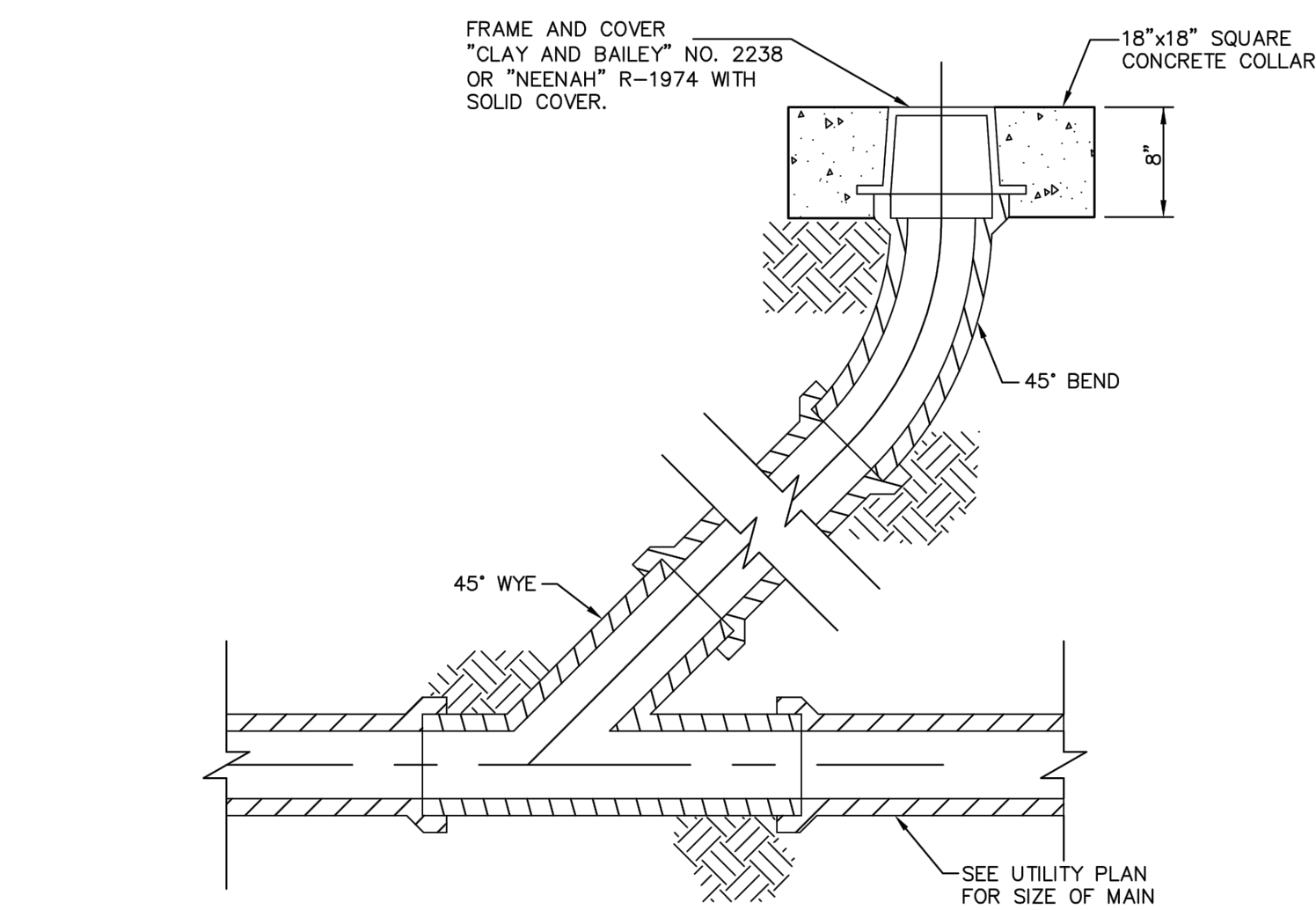
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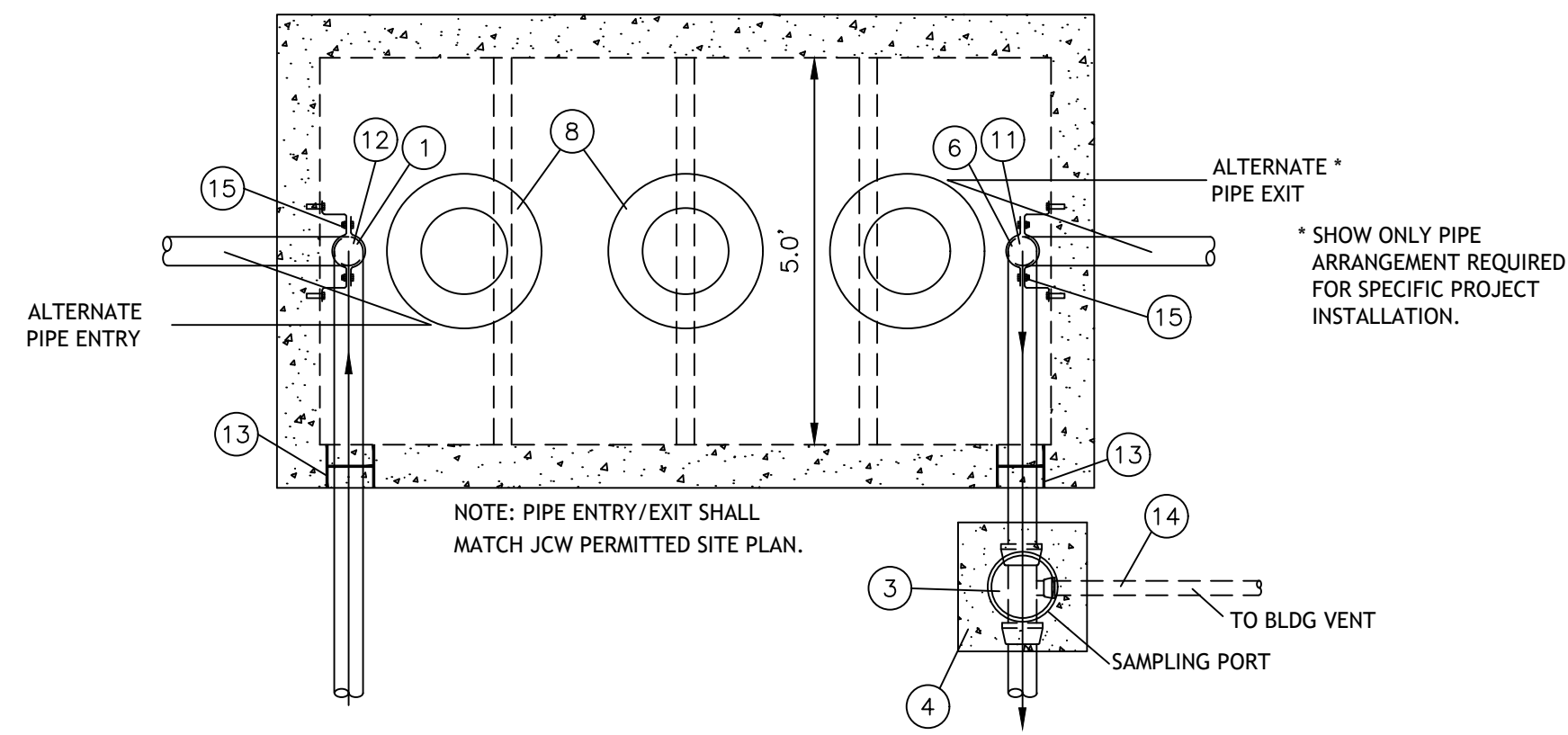
Revisions
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TWO WAY CLEANOUT SS2

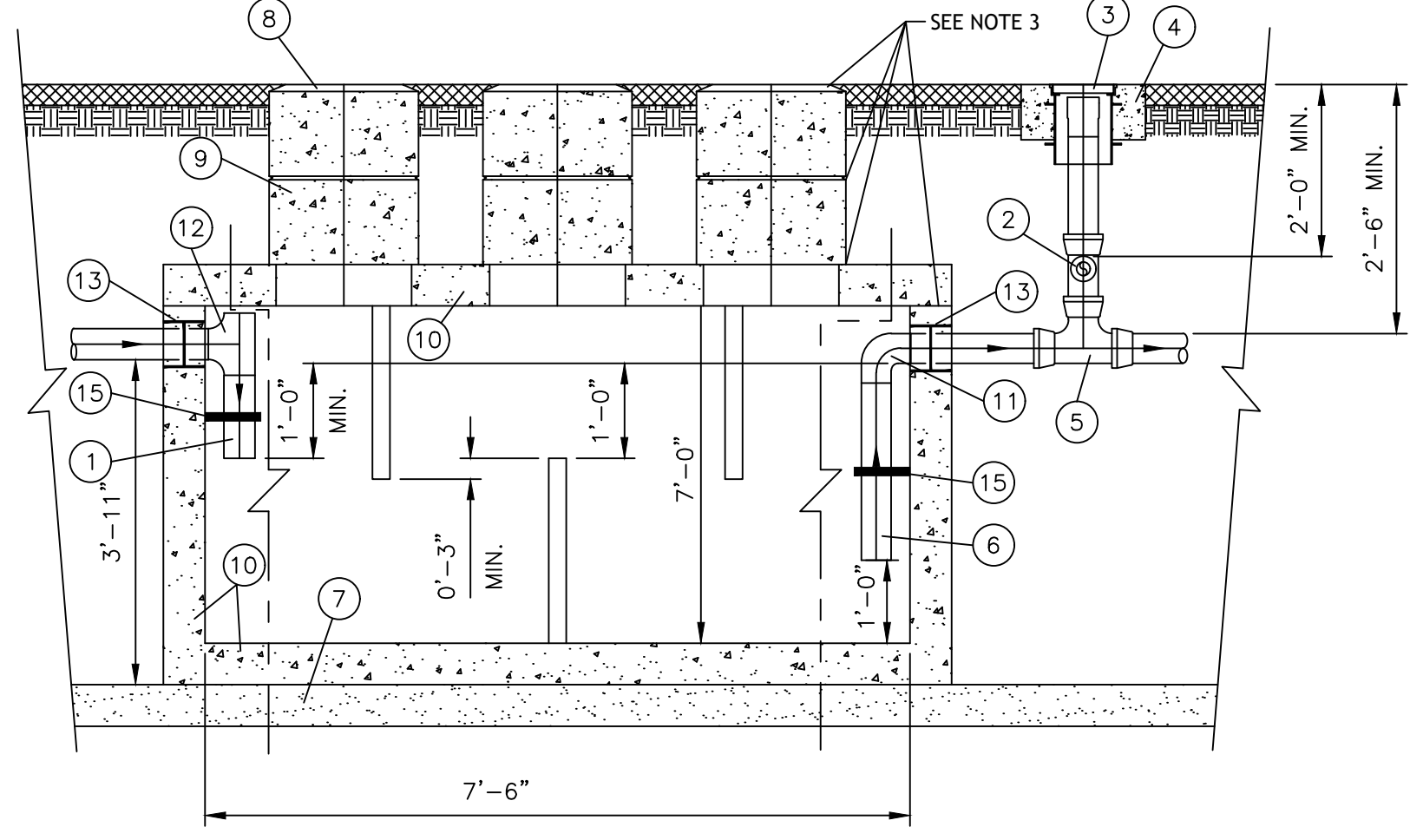


CLEAN-OUT SS2



ITEM	DESCRIPTION
1	4" ABS INLET PIPE*
2	4"x4"x2' TEE WITH 2" PIPE TO BUILDING VENT*
3	THREADED C/O CAP JOSAM 58860 OR APP EQUAL**
4	CONCRETE PAD
5	4"x4"x4' TWO-WAY CLEANOUT TEE*
6	4" ABS OUTLET*
7	4" - 6" GRAVEL BEDDING
8	HEAVY-DUTY CAST IRON FRAME AND COVER ***
9	CONCRETE ADJUSTMENT RINGS
10	REINFORCE AS REQUIRED FOR SERVICE CONDITIONS
11	4" ABS 90° ELBOW*
12	4" ABS TEE*
13	A-LOK OR PRESS SEAL PSX PIPE/WALL CONNECTOR
14	2" VENT PIPE (IDENTIFY PIPE TYPE, CLASS & JOINT AS REQUIRED FOR PROJECT)
15	STAINLESS STEEL PIPE SUPPORT CLAMP ****

* 6" PIPE MAY BE SUBSTITUTED TO MATCH UPSTREAM PIPE DIAMETER.
** REFER TO CLEAN OUT DETAILS ON STANDARD DETAIL SHEET.
*** CLAY & BAILEY 2008 BV OR EQUAL (FROST PROOF COVERS OPTIONAL)
**** FM STAINLESS FASTENERS #63 OR EQUAL. 1/2"x2-1/2" SS BRACKET W/ 1/2"x1-1/2" FULLY THREADED SS HEX BOLT WITH 1/2" SS WASHER AND 1/2"x1-3/4" SS ANCHORS. CLAMP TO BE FACTORY INSTALLED.



NOTES:
1. THREE COVERS AND RISERS SHOWN. TWO COVERS AND RISERS CENTERED OVER UPPER TWO BAFFLES ARE OPTIONAL.
2. INTERCEPTOR SIZE - 1000 GAL MINIMUM (REVISE THE SIZE DIMENSIONS, AS NEEDED, FOR LARGER CAPACITY INTERCEPTORS)
3. ALL JOINTS AT THE FRAME & COVER, CONCRETE ADJUSTMENT RINGS AND THE LID OF THE INTERCEPTOR SHALL BE SEALED WITH A MINIMUM OF TWO (2) ROWS OF 3/4 TO 1 INCH PREFORMED BUTYL JOINT SEALER AND A 6' BUTYL JOINT WRAP AROUND SLEEVE (EZ WRAP). THE ENDS OF THE 6' EZ WRAP SHALL OVERLAP BY 12".
4. PIPING ON THE INTERIOR OF THE INTERCEPTOR SHALL BE ABS WITH SOLVENT-CEMENTED JOINTS.
5. GREASE INTERCEPTOR INCLUDING ADJUSTMENT RINGS AND CASTINGS SHALL BE VACUUM TESTED FOR WATER TIGHTNESS AFTER THE BACKFILL OPERATIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH JCW TECHNICAL SPECIFICATIONS. A VACUUM OF 10 INCHES OF MERCURY SHALL BE DRAWN AND WITH THE VACUUM PUMP SHUT OFF THE MERCURY SHALL NOT DROP BELOW 9 INCHES WITHIN 1 MINUTE OR BELOW 5 INCHES WITHIN 5 MINUTES.

GREASE INTERCEPTOR

GI

GREASE INTERCEPTOR SCHEDULE								
MANUFACTURER	MODEL NO.	CAPACITY US gal.	FULL WT (LBS)	LENGTH L	WIDTH W	HEIGHT H	INLET FL	OUTLET FL
OLD CASTLE	Q-1500	1500	20,255	90"	60"	84"	978.3	978.3

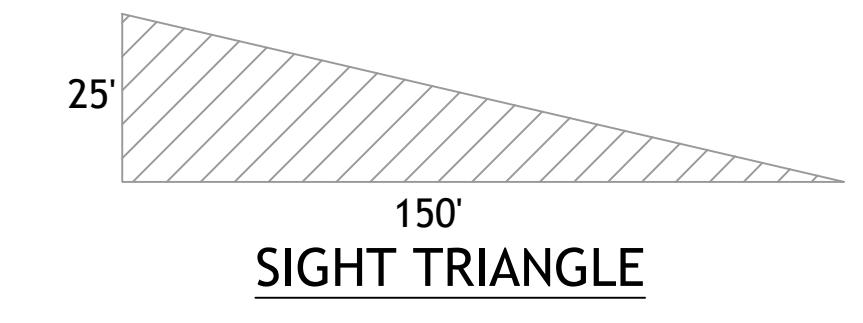
NOTE: REINFORCED TANK WITH MESH THROUGHOUT. REINFORCED LID FOR DRIVE AREA. 4000 LB CONCRETE

LOT 1 RED DOOR GRILL
STREETS OF PRYOR
LEES SUMMITT, MO.

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Revisions
 4-2-21 CITY COMMENTS
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 4-16-21 BID/PERMIT SET



LOT 1 SITE DATA:

LOWENSTEIN	360'		
REQUIRED:			
STREET TREES 1/30'	=	12	
PARKING LOT SHRUBS 12/40'	=	108	
PROVIDED:			
SHADE TREES	=	8	
ORNAMENTALS	=	4	
SHRUBS	=	110	
INTERIOR PARKING			
TOTAL PARKING SURFACE =	40,801sf		
REQUIRED			
5% LANDSCAPE AREA	=	2,040sf	
PROVIDED	=	4,005sf	
OPEN SPACE TREES			
TOTAL SITE	1.56ac (67,758sf)		
BUILDING AREA	5,549sf		
OPEN SPACE	62,209sf		
REQUIRED			
1 / 5,000sf	=	12	
PROVIDED			
SHADE TREES	=	8	
ORNAMENTALS	=	4	
OPEN SPACE SHRUBS			
REQUIRED			
2 / 5,000sf	=	25	
PROVIDED	=	83	

LANDSCAPE NOTES

CONTRACTOR REQUIRED TO LOCATE ALL UTILITIES BEFORE INSTALLATION TO BEGIN.

Contractor shall verify all landscape material quantities and shall report any discrepancies to the Landscape Architect prior to installation.

No plant material substitutions are allowed without Landscape Architect or Owners approval.

Contractor shall guarantee all landscape work and plant material for a period of one year from date of acceptance of the work by the Owner. Any plant material which dies during the one year guarantee period shall be replaced by the contractor during normal planting seasons.

Contractor shall be responsible for maintenance of the plants until completion of the job and acceptance by the Owner.

All plant material shall be specimen quality stock as determined in the "American Standards For Nursery Stock" published by The American Association of Nurseryman, free of plant diseases and pest, of typical growth of the species and having a healthy, normal root system.

Sizes indicated on the plant list are the minimum, acceptable size. In no case will sizes less than specified be accepted.

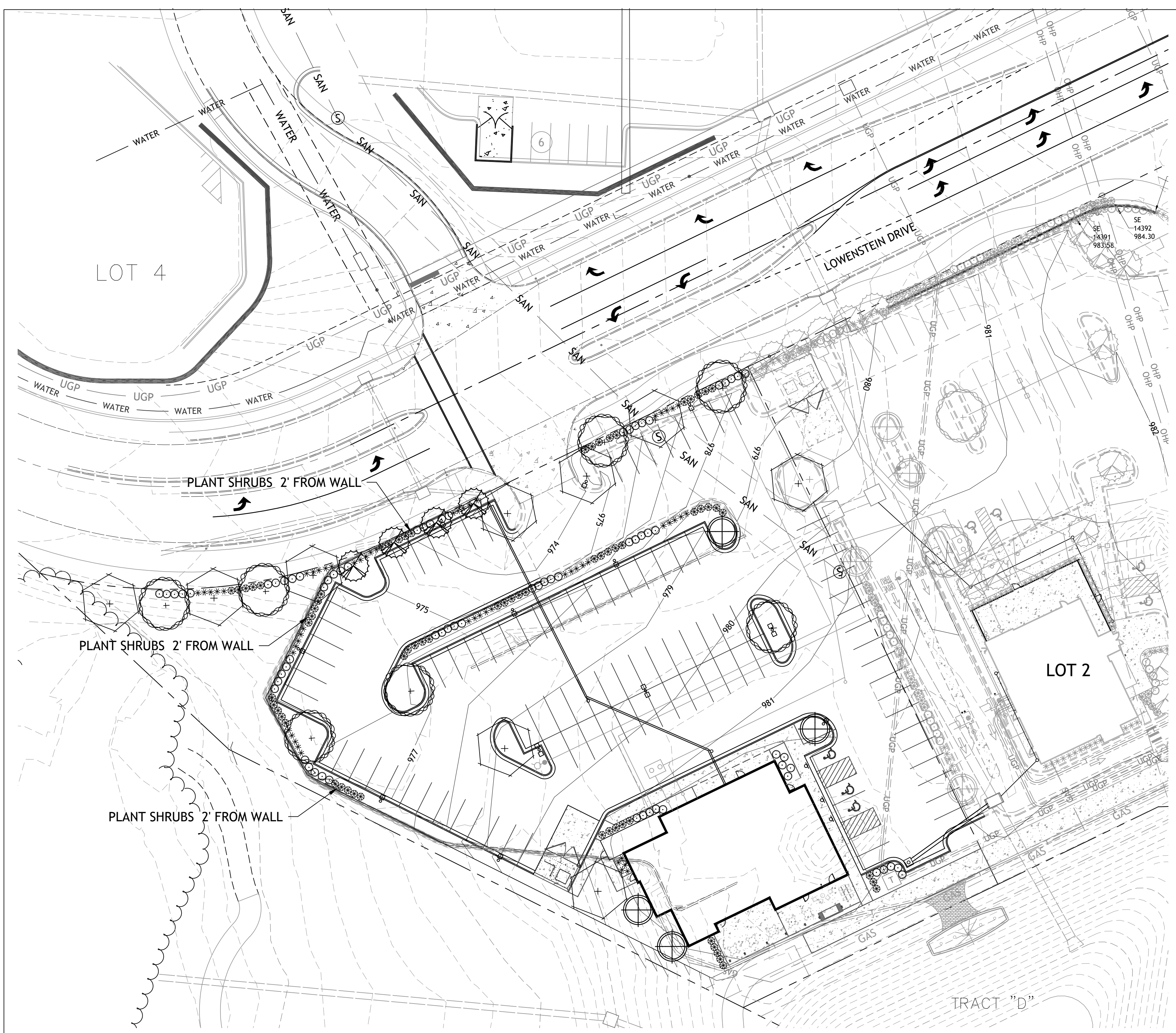
All shrub beds within lawn areas to receive a manicured edge.

All shrub beds shall be mulched with 3" of River Rock.

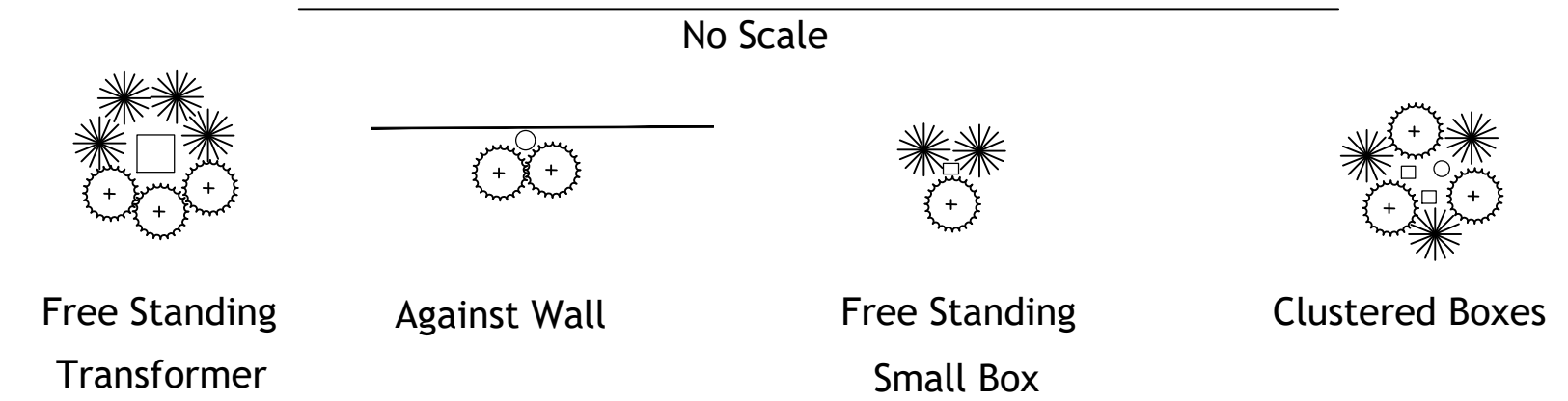
All areas to be fertilized & sodded with a Turf-Type-Tall Fescue seed blend.

IRRIGATION NOTE

- Successful landscape contractor shall be responsible for design that complies with minimum irrigation requirements, and installation of an irrigation system. Irrigation system to be approved by the owner before starting any installation.
- Irrigation controller to be mounted on outside wall of building. Provide temporary support prior to building construction.



Typical Utility Box Screening Details



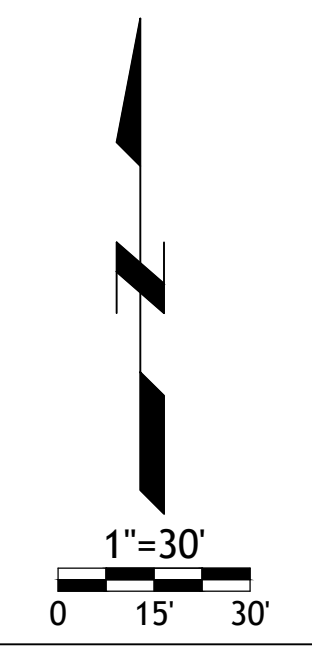
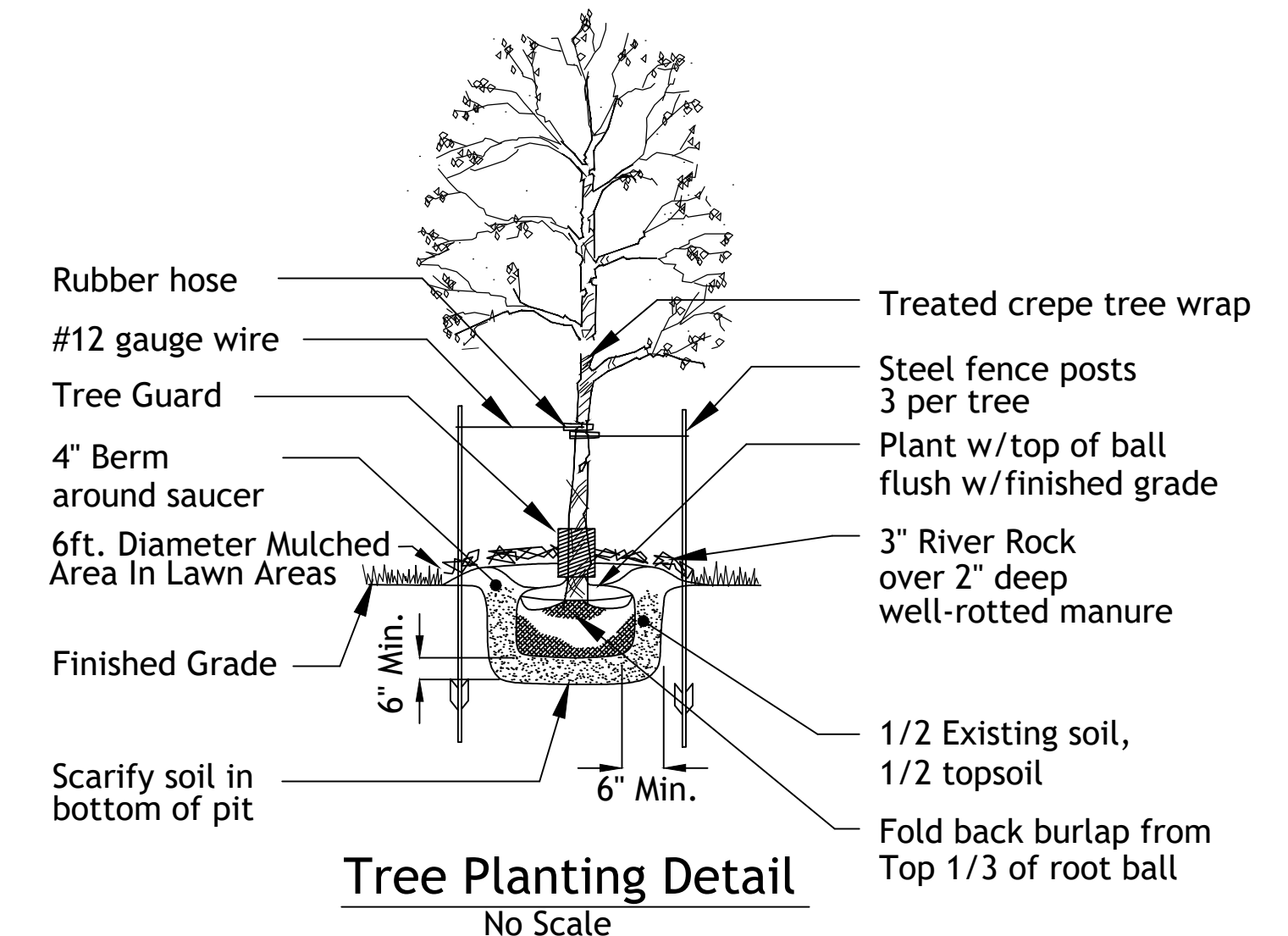
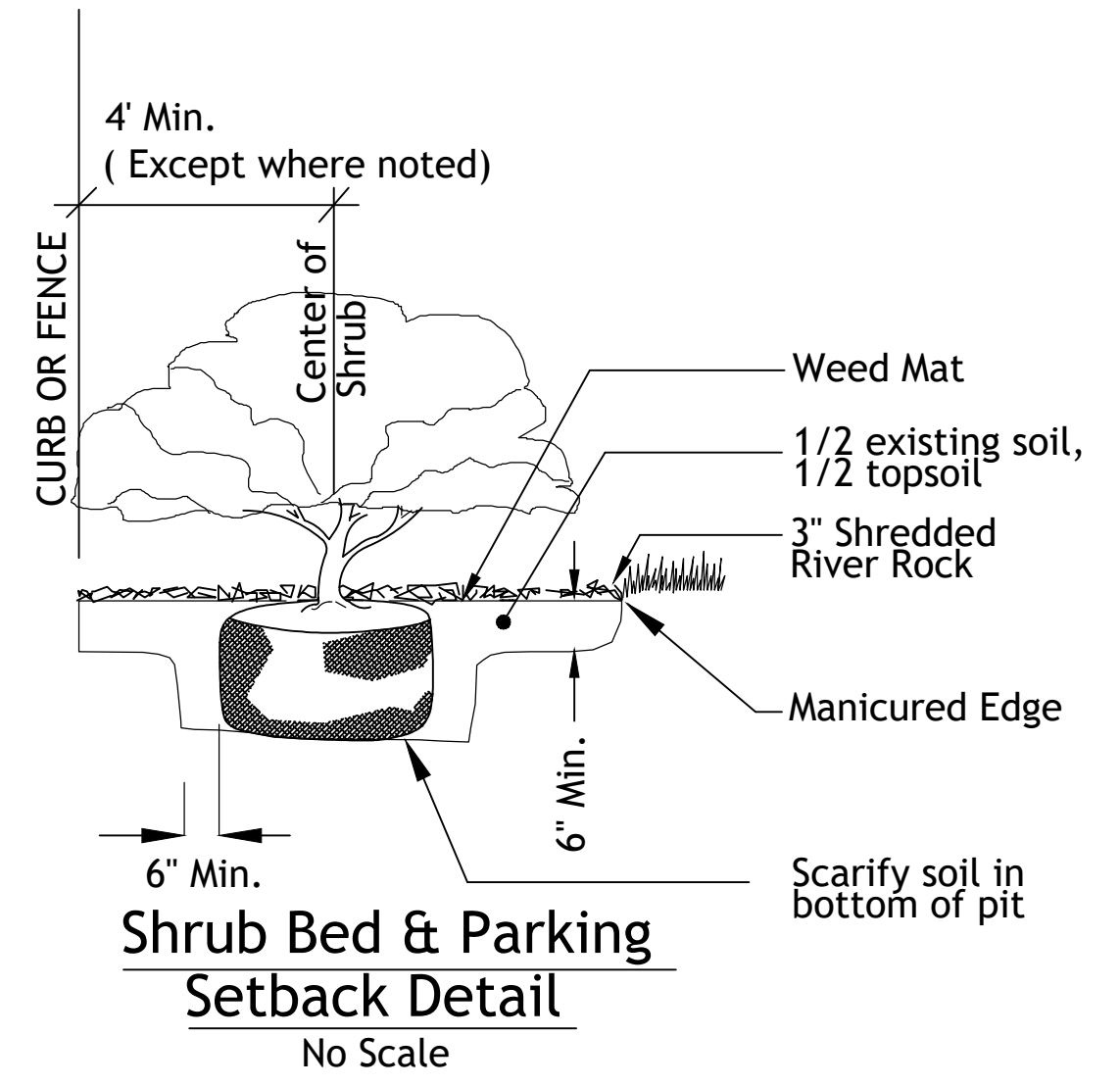
UTILITY BOXES SHALL BE CLUSTERED AS MUCH AS POSSIBLE

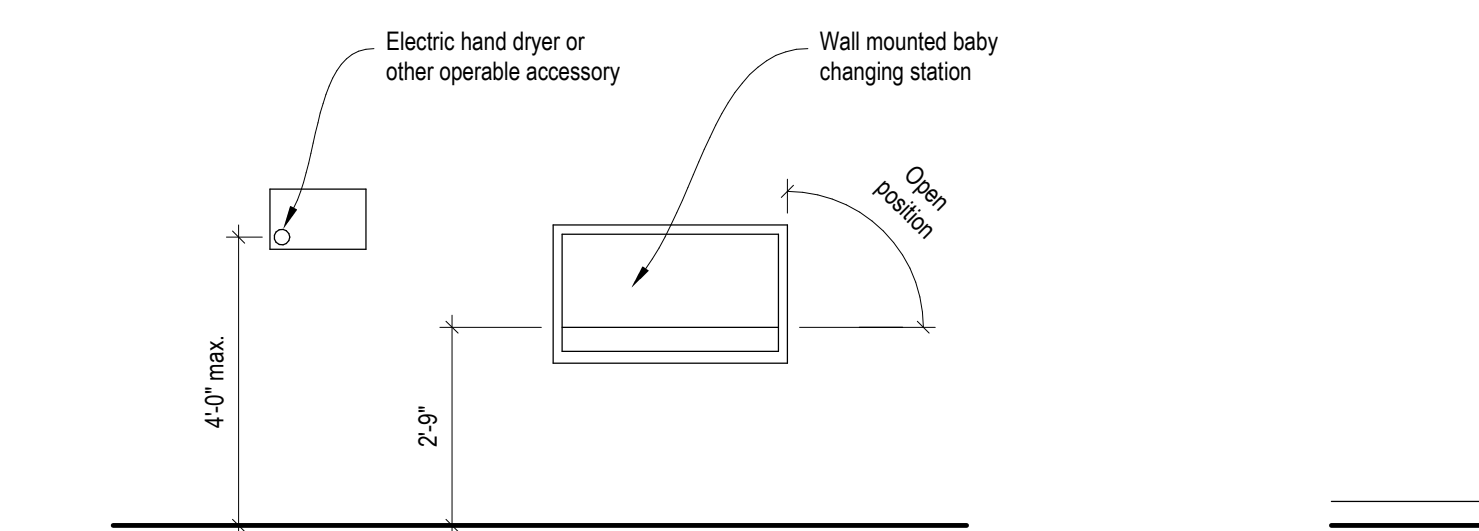
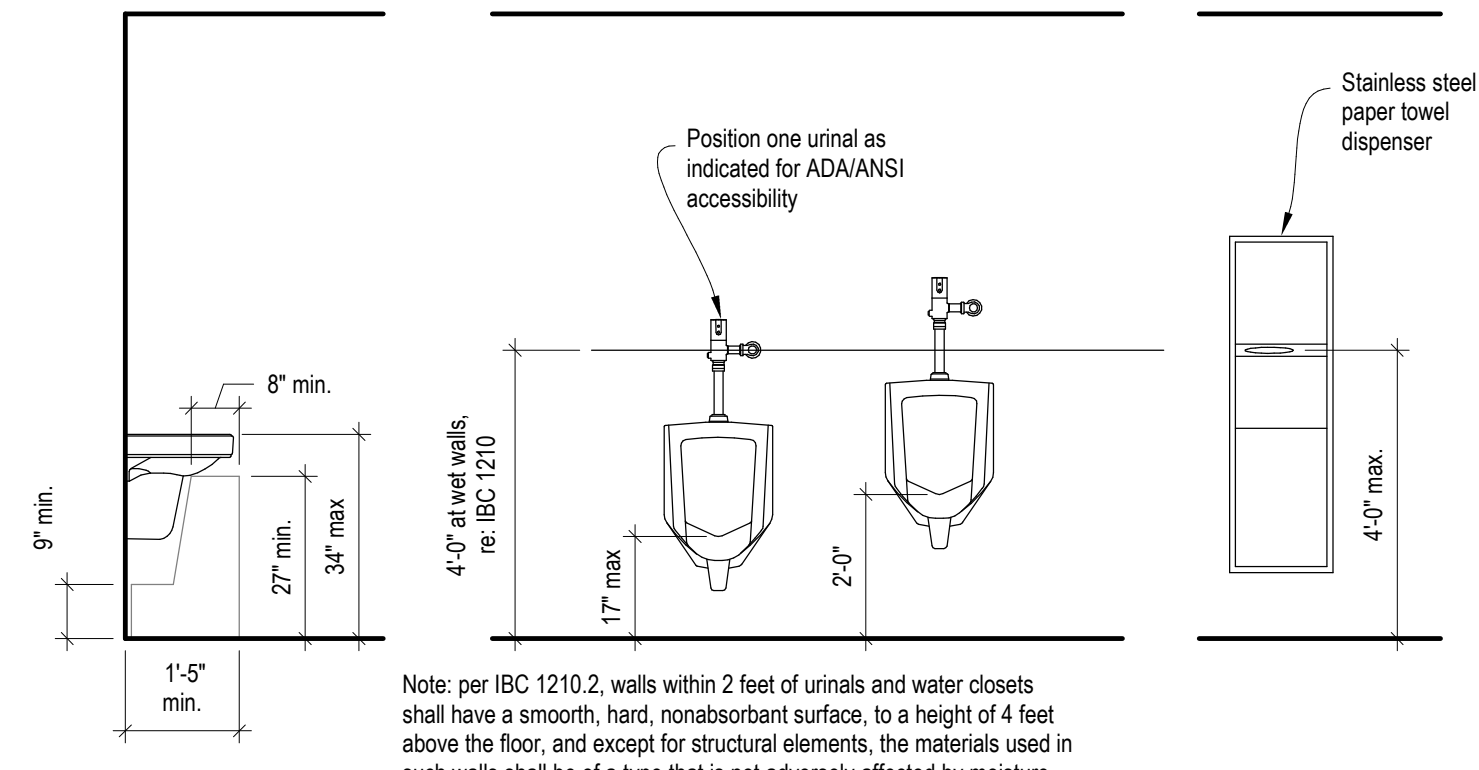
Shrub List

Symbol	Quantity	Common Name	Botanical Name	Size	Condition	Spacing
○	70	Seagreen Juniper	Juniperus Chinensis 'Seagreen'	18"-24"sp.	Cont.	4'o.c.
⊗	68	Dwarf Winged Euonymus	Euonymus Alatus 'Compactus'	18"-24"sp.	Cont.	4'o.c.
*	55	Morning Light Maiden Grass	Miscanthos Sinensis 'Morning Light'	18"-24"sp.	Cont.	4'o.c.

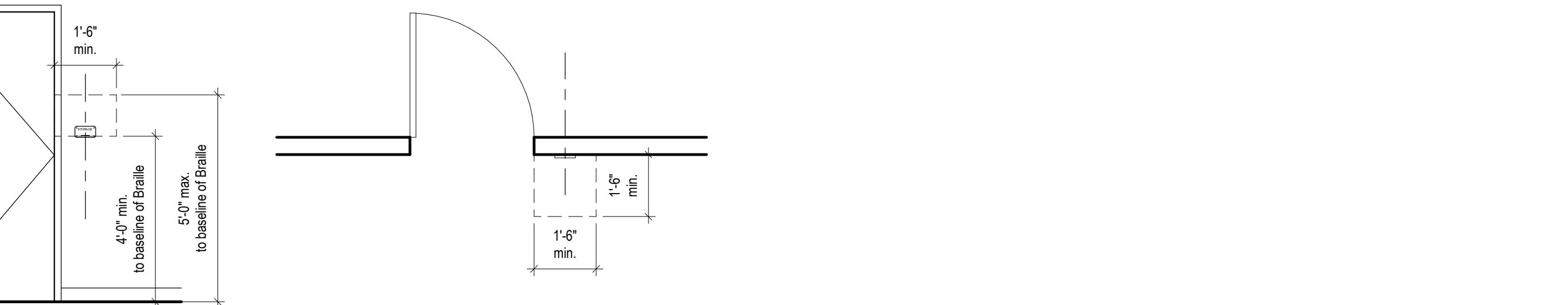
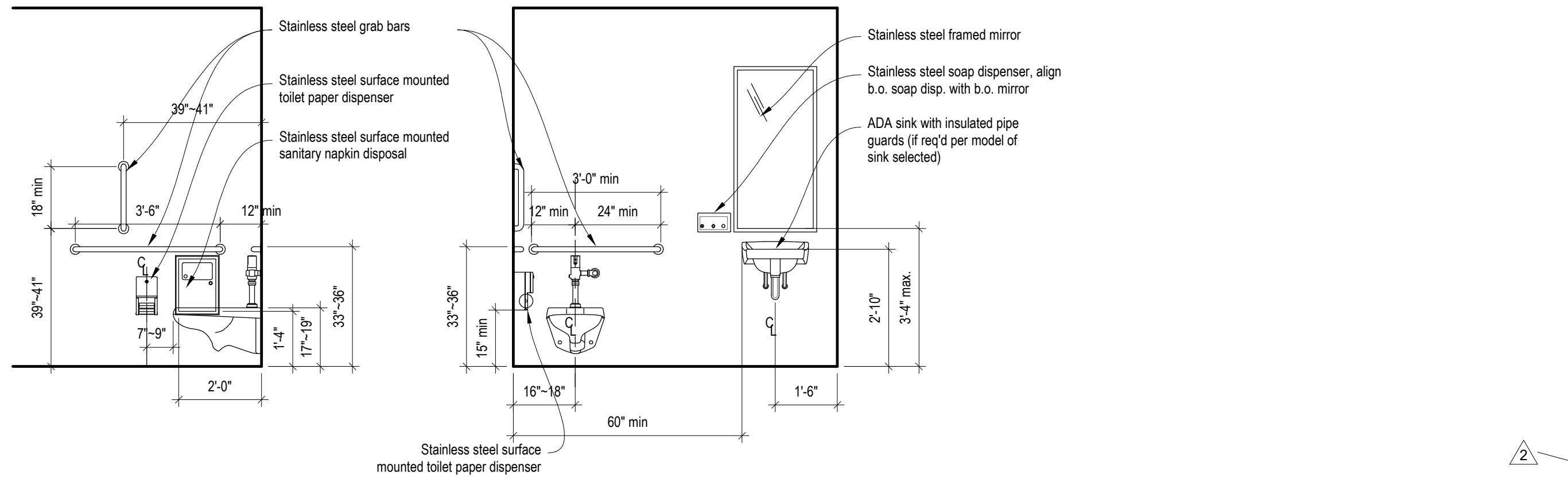
Tree List

Symbol	Quantity	Common Name	Botanical Name	Size	Condition	Spacing
+	7	October Glory Maple	Acer Rubrum 'October Glory'	3" cal	BB	As Shown
+	9	Skyline Honeylocust	Gleditsia Triacanthos 'Skyline'	3" cal	BB	As Shown
+	4	Golden Raintree	Koelreuteria Paniculata	3"cal	BB	As Shown
+	4	Golden Raintree	Koelreuteria Paniculata	3"cal	BB	As Shown

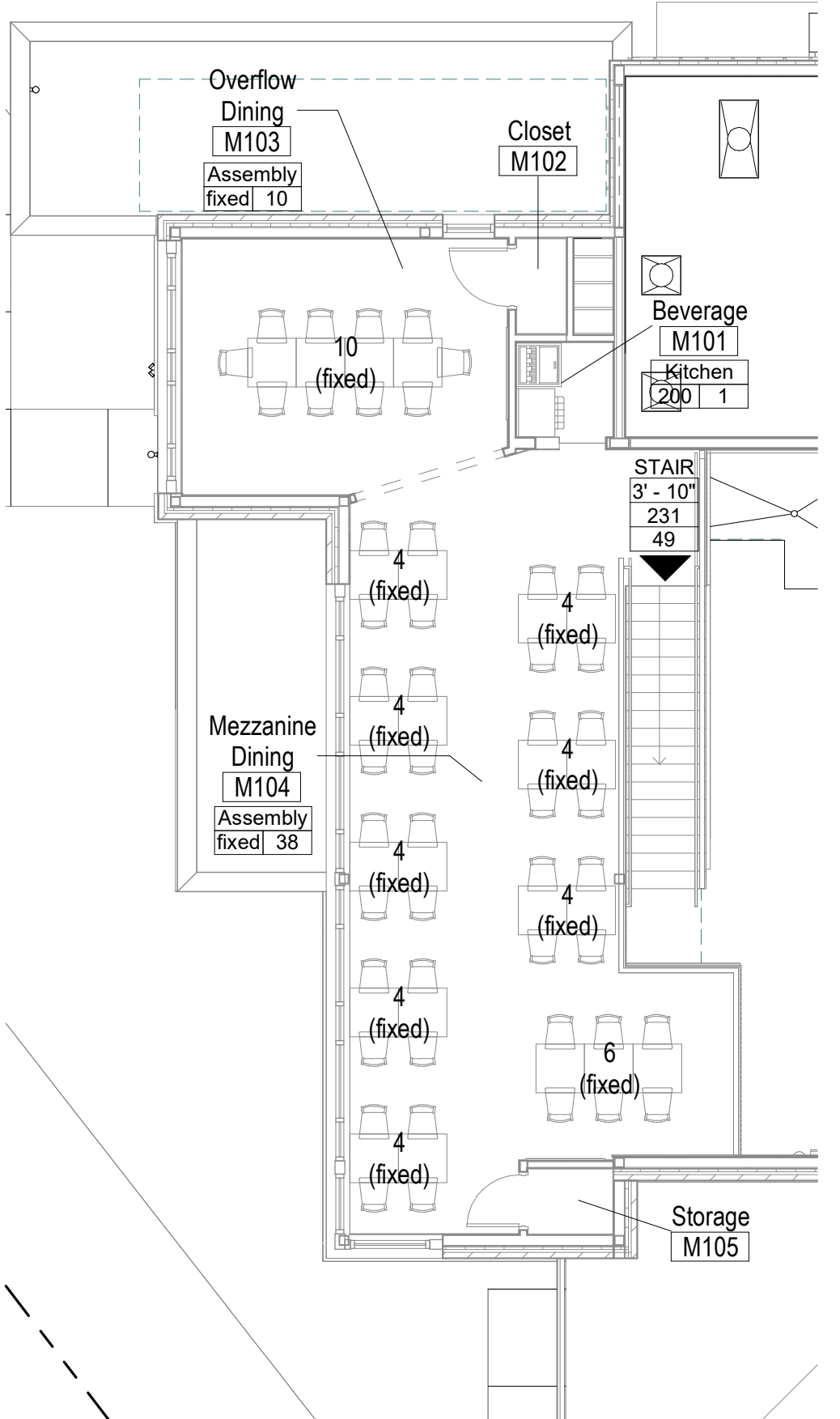




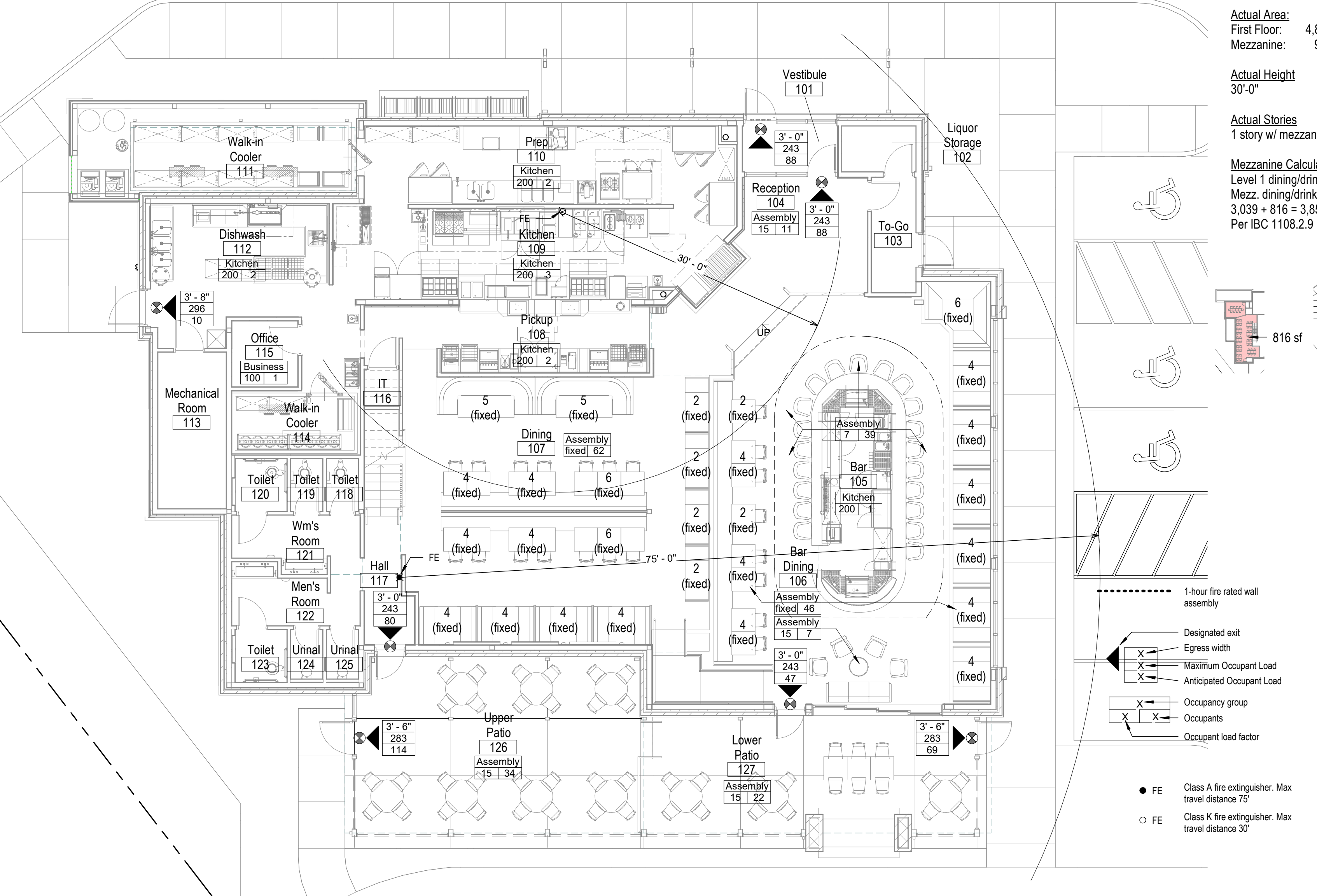
F1 ADA Interior Elevations
3/8" = 1'-0"



A4 Code Plan - First Floor
1/8" = 1'-0"



A1 Code Plan - Mezzanine
1/8" = 1'-0"



A4 Code Plan - First Floor
1/8" = 1'-0"

Model Building/Design Codes Used:
 2018 International Building Code
 2018 International Fire Code
 2012 International Energy Conservation Code
 2018 International Plumbing Code
 2018 International Fuel Gas Code
 2017 National Electrical Code
 2018 International Mechanical Code

ADA Accessibility:
 American National Standard; ICC/ANSI A117.1 2009

Proposed Project Description:
 This is a restaurant project including both shell building and tenant build-out

Automatic Fire Suppression System:
 Automatic Fire suppression system throughout per NFPA 13

Fire Alarm System:
 Fire alarm system with full audible and visual coverage is not required in A occupancies of less than 300 occupants per 907.2.1 of the 2018 International Building Code

Occupancy Group:
 Type A-2 Bar/Restaurant

Construction Type:
 Type V-B, fully sprinklered

Allowable area for group A-2:
 Tabular allowable area (table 503): 6,000 sf

Allowable area increase (section 506):
 Automatic sprinkler increase: 300%
 Area increase: (6,000 x 3) = 18,000 sf

Allowable Height:
 (Table 503): 40 feet + 20 feet per 504.2 = 60 feet

Allowable Stories:
 (Table 503): 1 story + 1 story per 504.2

Actual Area:
 First Floor: 4,814 sf
 Mezzanine: 905 sf

Actual Height:
 30'-0"

Actual Stories:
 1 story w/ mezzanine

Mezzanine Calculations:
 Level 1 dining/drinking area: 3,039 sf
 Mezz. dining/drinking area: 816 sf
 3,039 + 816 = 3,855 sf (25%) = 964sf > 816sf = ok
 Per IBC 1108.2.9 Exception #2.

Means of Egress:
 Per Chapter 10

Occupancy Count:
 Non-separated Mixed Use Table 1004.1.2

Restaurant Interior - First Floor:
 Assembly Concentrated 1/7 sf: 39 occupants
 Assembly Table, Chairs 1/15 sf: 18 occupants
 Assembly Fixed Seating: 108 occupants
 Business 1/100 sf: 1 occupant
 Kitchen 1/200 sf: 10 occupants
Subtotal: 176 occupants

Restaurant Interior - Mezzanine:
 Assembly Fixed Seating: 48 occupants
 Kitchen 1/200 sf: 1 occupant
Subtotal: 49 occupants

Total Occupant Load: 281 occupants

Exit access travel distance:
 Group A 250 (feet) with sprinkler system

Common Path of Egress Travel:
 Group A 75 (feet) with sprinkler system

No. of Exits Required:
 (Section 1021) 50 < occupant load < 500: 2 Exits

Fixture Count for A-2 Restaurant Occupancy:
 281 occupants

Toilets:
 141 male @ 1 per 75 = 2 male
 141 female @ 1 per 75 = 2 female

Lavatories:
 300 occupants @ 1 per 200 = 2 lavatories

Service Sink = 1 required

Exit access travel distance:
 Group A 250 (feet) with sprinkler system

Common Path of Egress Travel:
 Group A 75 (feet) with sprinkler system

No. of Exits Required:
 (Section 1021) 50 < occupant load < 500: 2 Exits

Fixture Count for A-2 Restaurant Occupancy:
 281 occupants

Toilets:
 141 male @ 1 per 75 = 2 male
 141 female @ 1 per 75 = 2 female

Lavatories:
 300 occupants @ 1 per 200 = 2 lavatories

Service Sink = 1 required

Thermal Envelope Requirements

Component	R-Value
Roof: Insulation entirely above roof deck	R-30ci
Walls, above grade: Wood framed and other	R-13+R3.8ci or R-20
Walls, below grade	R-7.5ci
Slab-on-grade floors: Unheated slabs	R-10 for 24" below

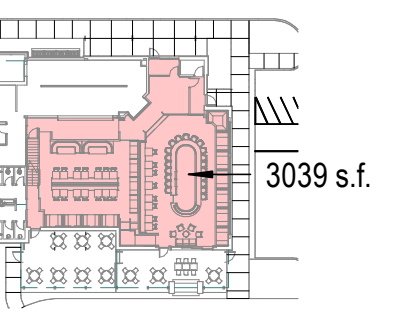
Fenestration Maximum U-factor

Vertical Fenestration	U-factor
Fixed	0.38
Operable	0.45
Entrance door	0.77

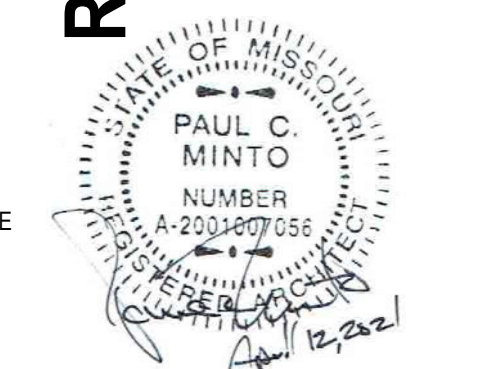
Fenestration Maximum SHGC

Projection Factor	SEW	N
PF < 0.2	0.38	0.51
0.2 < PF < 0.5	0.46	0.56
PF > or equal 0.5	0.61	0.61

Legend:
 • FE Class A fire extinguisher. Max travel distance 75'
 ○ FE Class K fire extinguisher. Max travel distance 30'



Red Door Grill - Lee's Summit
Construction Documents
 2061 NW Lowenstein Dr.
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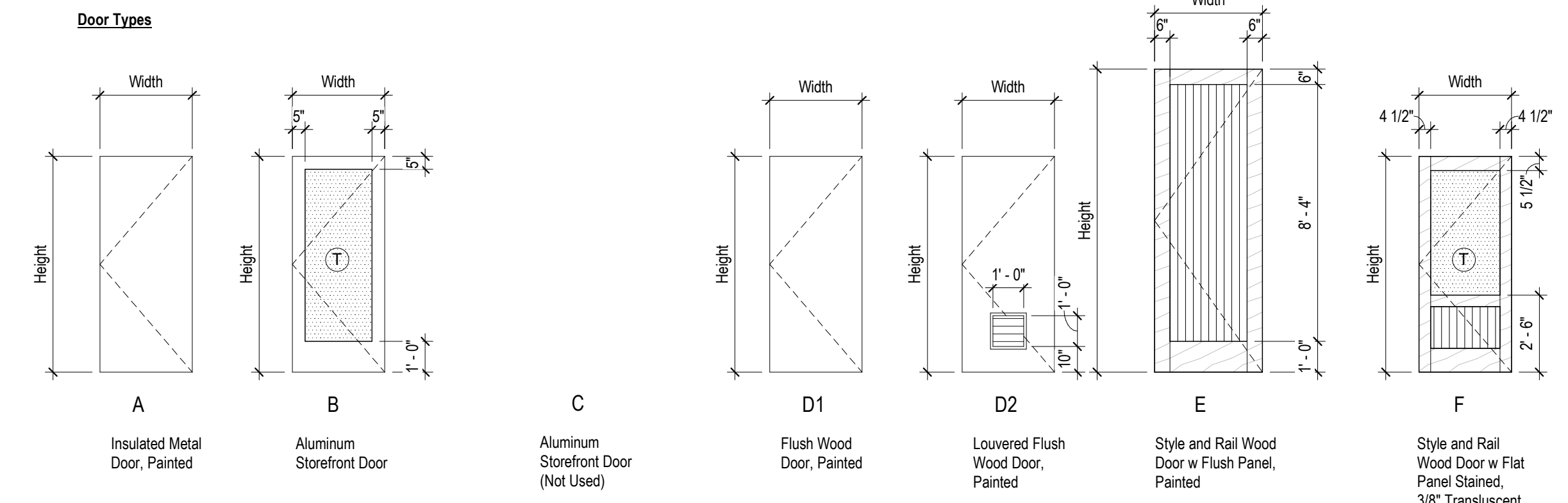
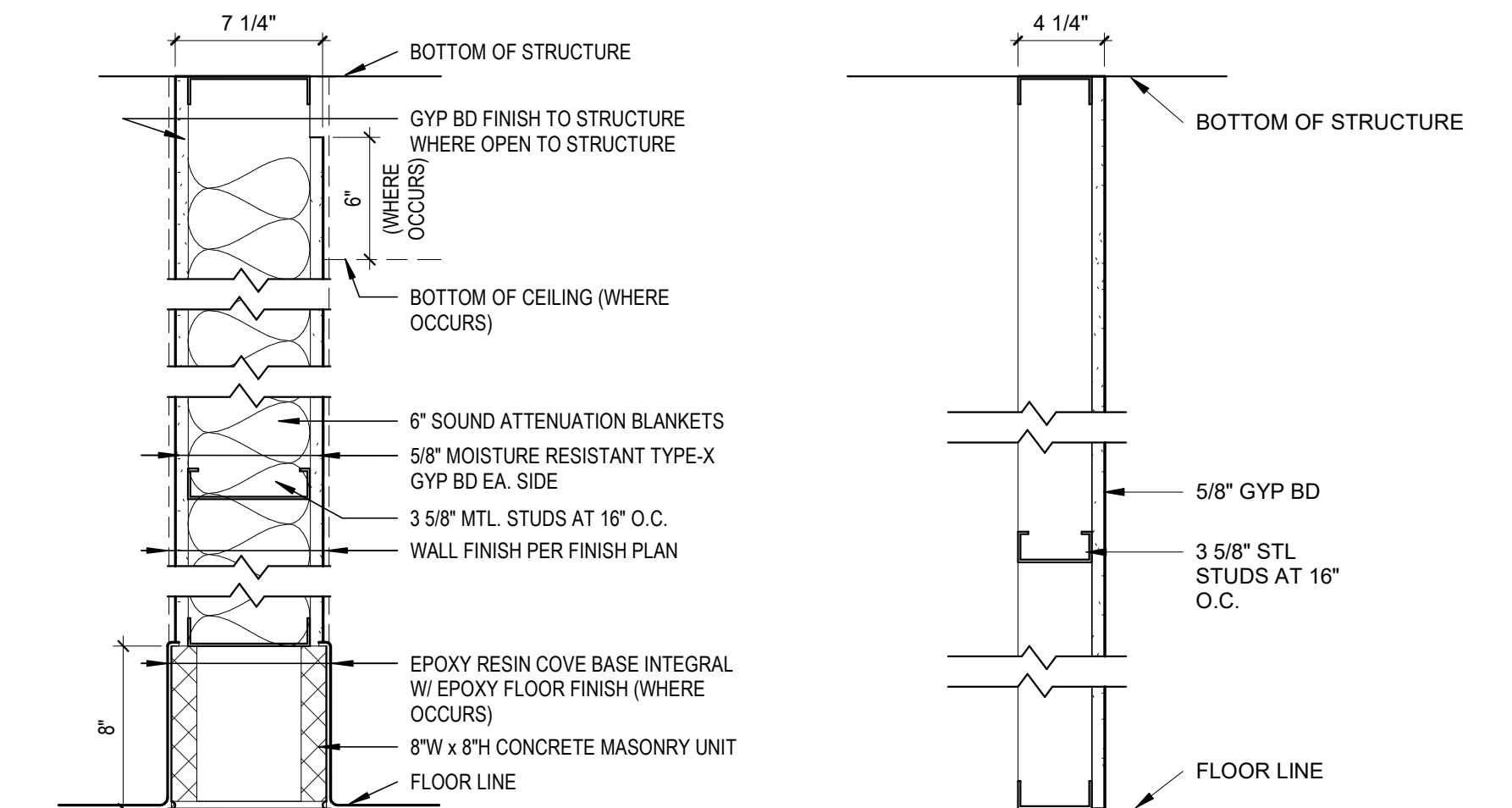
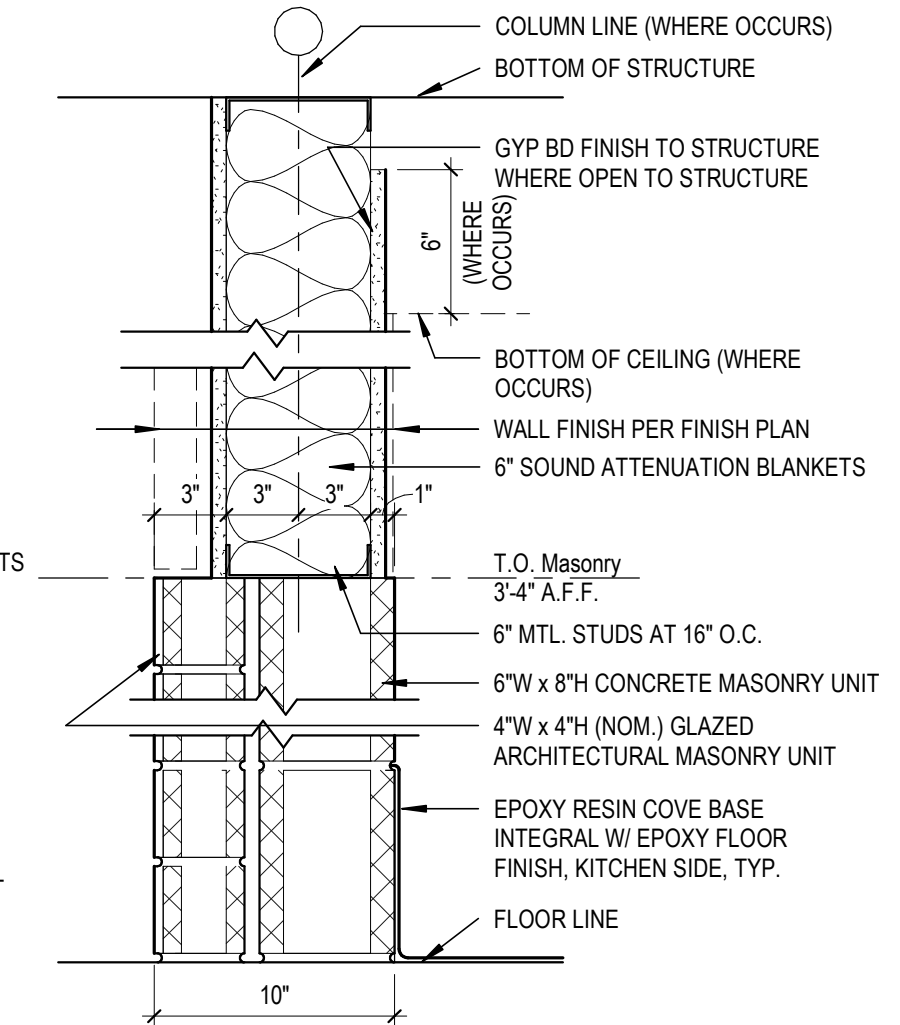
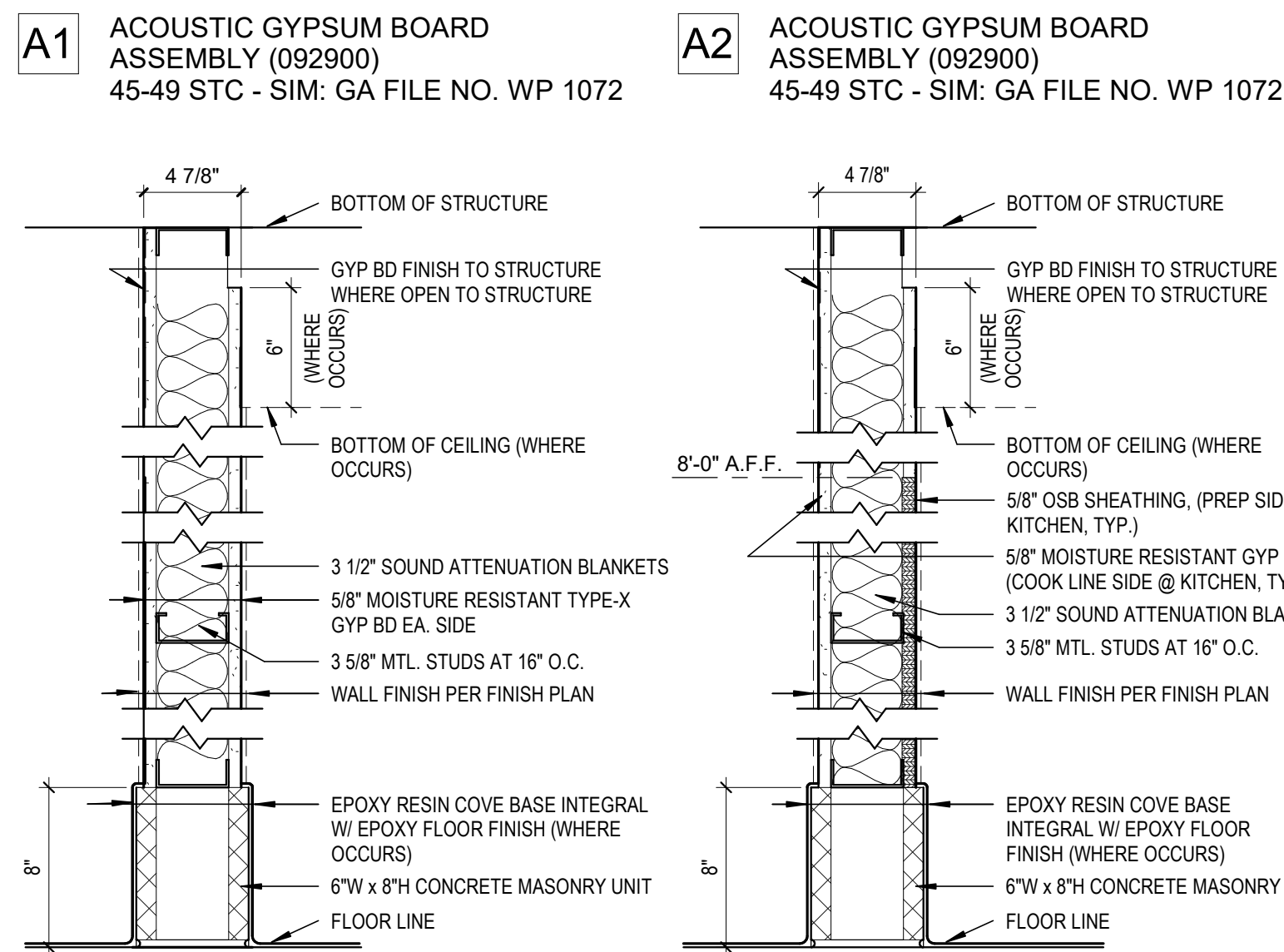
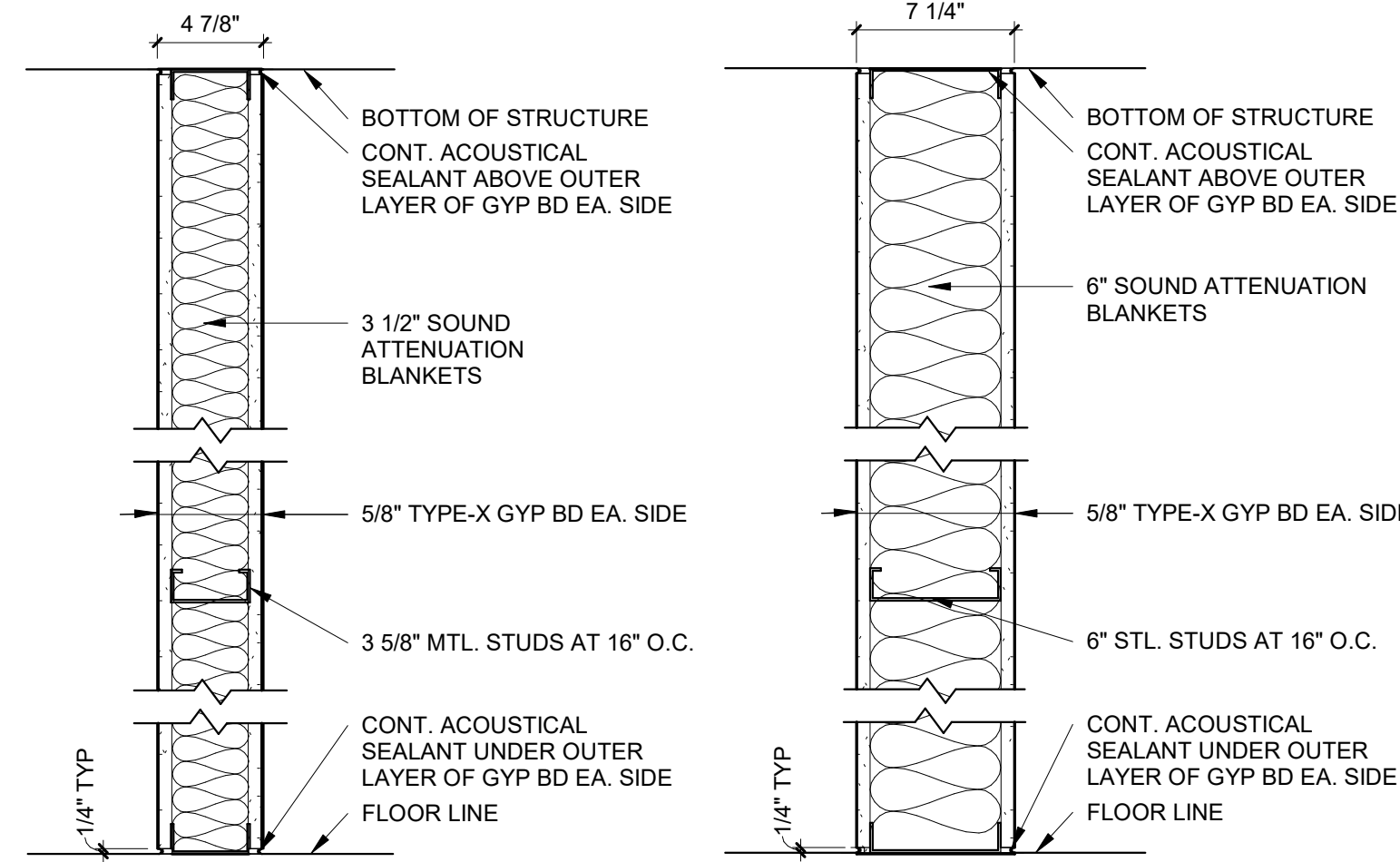
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Door and Frame Schedule																					
Door Number	To Room: Name	Door				Frame		Fire Rating	Hardware										Remarks/Notes		
		Type	Mat	Width	Height	Type	Mat		Hinges	Lockset function	Closer	Kickplate	Wall/Floor Stop	Smoke Gasket	Threshold	Astragal	Exit Device	Rain Drip		Coordinator	
101-1	Vestibule	E	Wd	3'-4"	9'-10"	ST3	Alum		Continuous	Db,P/P	X							X			1,2,4,8
101-2	Reception	B	Alum	3'-0"	9'-0"	ST6	Alum			E/E	X		Wall					X			3
102-1	Liquor Storage	D1	Wd	3'-0"	7'-0"	1	H/M			S	X		Wall								
103-1	To-Go	B	Alum	3'-4"	7'-0"	ST2	Alum			E/E	X						X				3
103-2	To-Go	D1	Wd	3'-0"	7'-0"	1	H/M			P	X										
106-1	Bar Dining	B	Alum	3'-0"	7'-0"	ST1	Alum			E/E	X							X			3
106-2	Bar Dining	G	Alum	14'-0"	10'-0"	ST1	Alum											X			
112-1	Dishwash	A	H/M	3'-8"	7'-0"	2	H/M			E/E	X		X					X			3
113-1	Mechanical Room	D1	Wd	3'-0"	7'-0"	1	H/M			E/E	X		Wall					X			3
115-1	Office	D1	Wd	3'-0"	7'-0"	1	H/M			O			Wall								
116-1	IT	D2	Wd	3'-0"	7'-0"	1	H/M			P			Wall								
117-1	Hall	B	Alum	3'-0"	7'-0"	3	Alum			E/E	X						X				3
118-1	Toilet	F	Wd	2'-6"	7'-0"	1	H/M		3	Priv	X		Wall								5, 6, 7
119-1	Toilet	F	Wd	2'-6"	7'-0"	1	H/M		3	Priv	X		Wall								5, 6, 7
120-1	Toilet	F	Wd	3'-0"	7'-0"	1	H/M		3	Priv	X		Wall								5, 6, 7
123-1	Toilet	F	Wd	3'-0"	7'-0"	1	H/M		3	Priv	X		Wall								5, 6, 7
124-1	Urinal	F	Wd	2'-6"	7'-0"	1	H/M		3	Priv	X		Wall								5, 6, 7
125-1	Urinal	F	Wd	2'-6"	7'-0"	1	H/M		3	Priv	X		Wall								5, 6, 7
126-1	Upper Patio	B	Alum	3'-6"	7'-0"	ST5	Alum			E/E	X						X				3
127-1	Lower Patio	B	Alum	3'-6"	7'-0"	ST4	Alum			E/E	X						X				3
M102-1	Closet	F	Wd	3'-0"	7'-0"	1	H/M			P			Wall								5, 7
M105-1	Storage	F	Wd	2'-8"	7'-0"	1	H/M			S			Wall								5, 7



Material Key:
 Alum = Anodized Aluminum
 HM = Hollow Metal
 Stl = Steel
 Ins/Stl = Insulated steel
 Wd = Wood
 Mfg = Manufacturer's Standards
 ETR = Existing to remain

Lockset Function Key:
 Elec = Electrically Locked
 O = Office
 S = Storeroom
 P = Passage
 Priv = Privacy
 P/P = Push/Pull
 E/E = Emergency Egress
 E = Entrance
 C = Corridor
 Db = Deadbolt (thumb/turn one side)
 DL = Keyed deadlock cylinder, key ea. side
 ETR = Existing to remain

Remarks:

- Main entrance to be keyed deadlock cylinder, key ea. side. Provide indicator on egress side reading "OPEN" and "LOCKED" and signage on egress side reading "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" in letters 1" high on a contrasting background.
- Opaque stained, color: P6 (SW 2839 Roycroft Copper Red), distressed finish.
- Provide panic hardware per IBC 1008.1.10
- Custom pull by owner.
- Wood veneer species and stained finish to match WD1.
- Provide occupancy indicator (integral with mortice lock) on each side of door indicating vacant (green) and occupied (red)
- Locate glass lite translucent textured face on interior (water closet) side of door.
- Door provided by owner from existing stock. G.C. to provide door hardware, finish, and install.

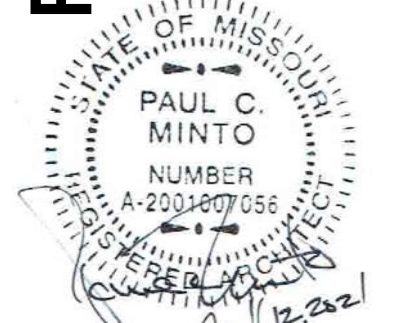
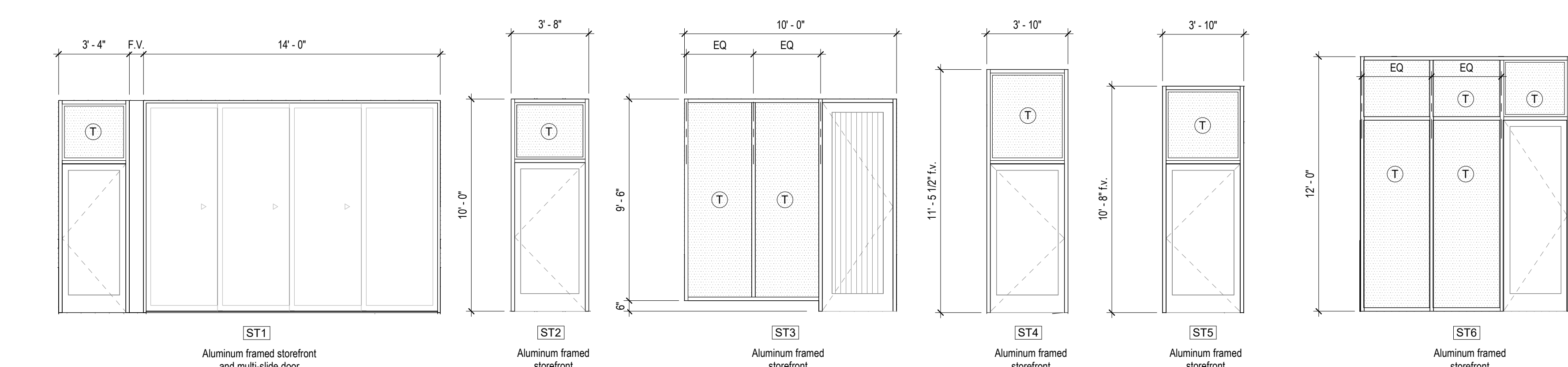
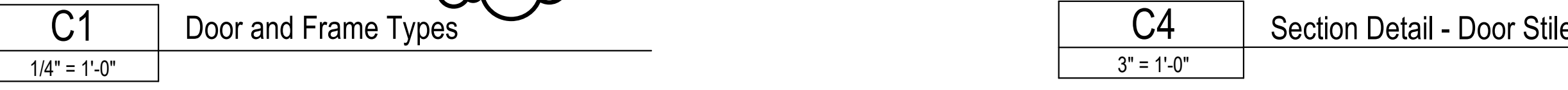
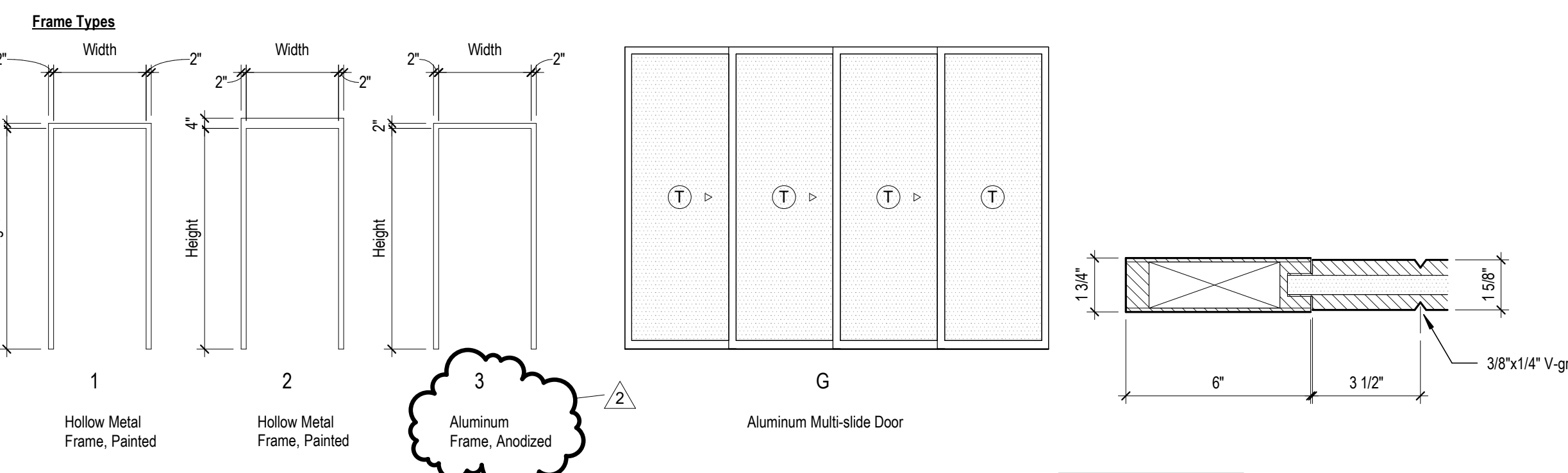
General Notes:

A. Door hardware to comply with ADA standards and IBC 2012. Thumb-turn style locks are not approved (tight grasping, pinching or twisting of the wrist not approved).

B. Door hardware lockset basis of design:
 Mortise lockset: Yale 8800FL Series, UB trim, 722 finish
 Tubular lockset: Yale RL Series, UB trim, 722 finish
 Push/pull set: Rockwood RM7700 - Black (BSP) - 48" on pull side
 Horizontal single bar - Black on push side

Section Detail - Door Stile

C4 3" = 1'-0"



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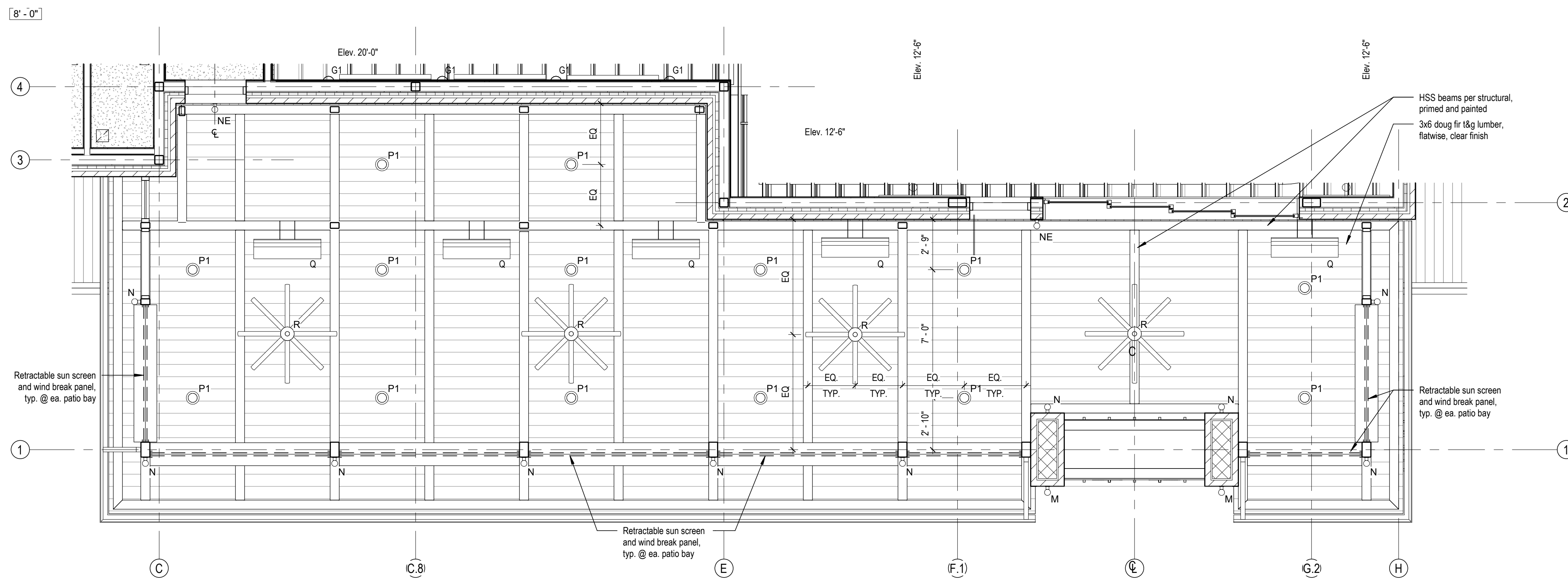
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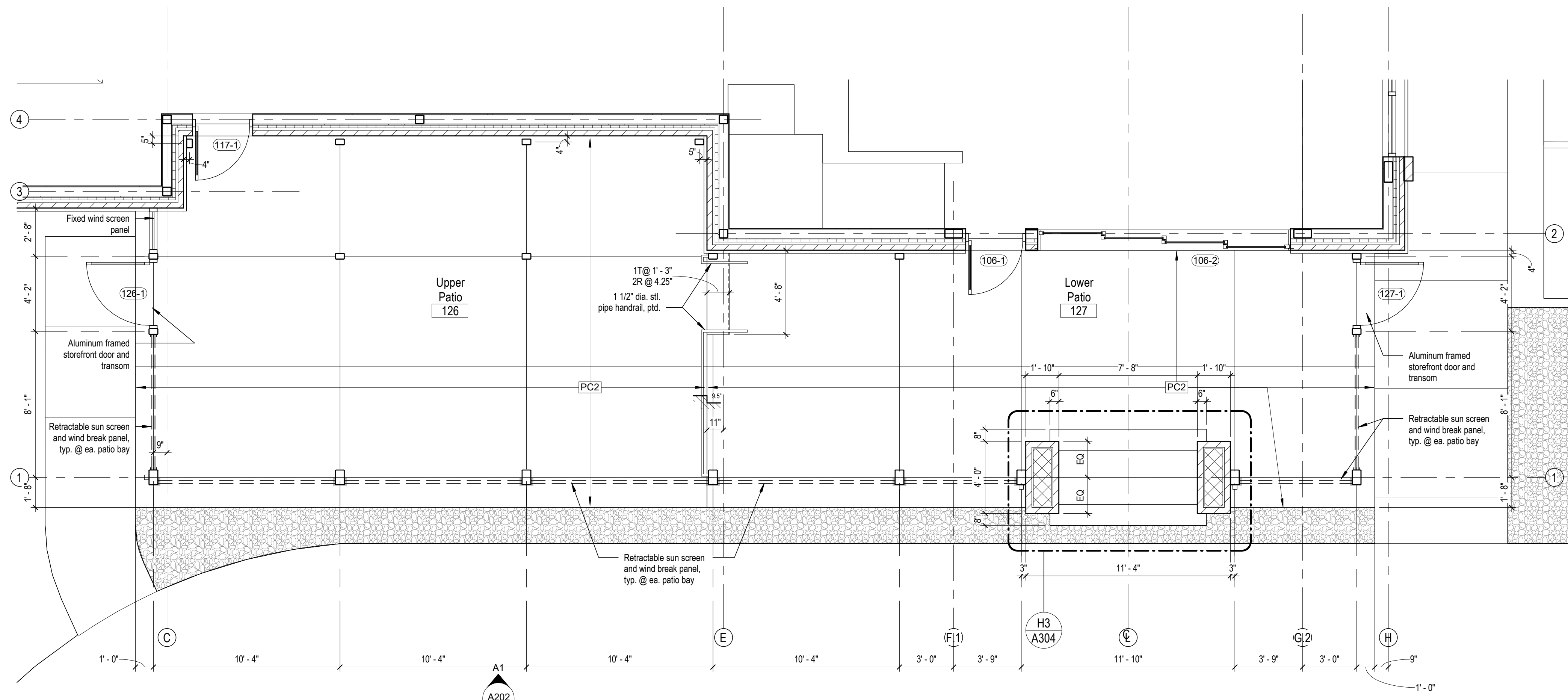
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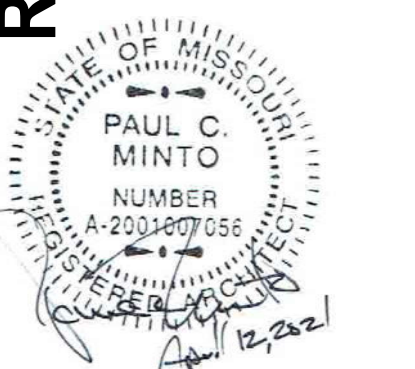
General Information



F1 Reflected Ceiling Plan - Patio
1/4" = 1'-0"



A1 Site Plan - Patio
1/4" = 1'-0"



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General Notes - Floor Plan

- A. All dimensions are to face of stud, face of concrete, face of masonry, or to column lines unless noted otherwise.
- B. All new interior walls to be type "A1" unless noted otherwise.

Floor Plan Legend

- Existing construction to remain
- New construction
- FD Floor drain, re: plumb
- F.S. Floor sink, re: plumb, kitchen
T.O. floor sink to be 1/2" above finished floor.
- D.S. Downspout

Finish Legend

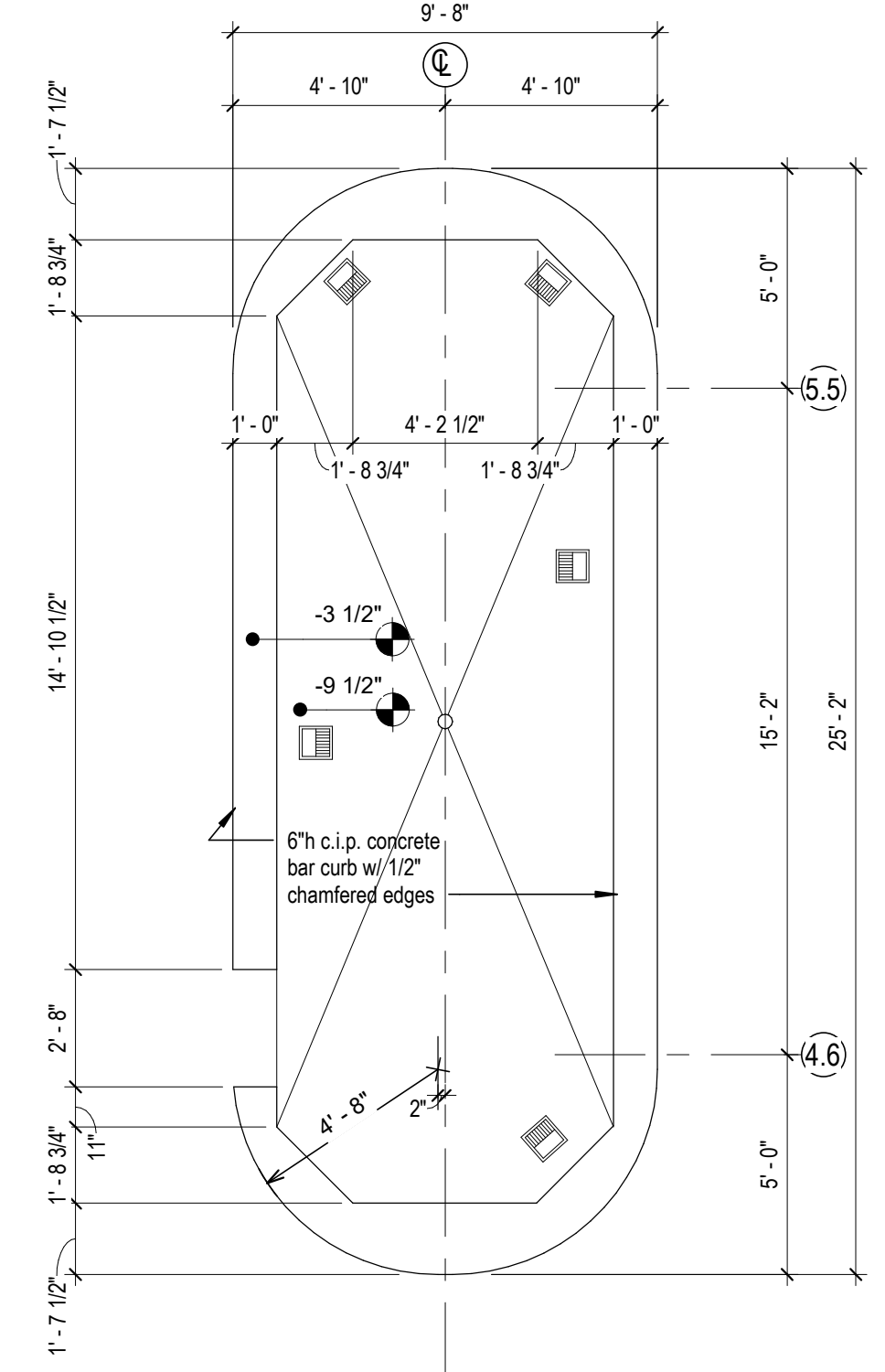
- XX0 Floor Finish
- XX0 Base Finish
- XX0 Wall Finish
- ETR Existing finish to remain

Concrete Floor and Finish Types

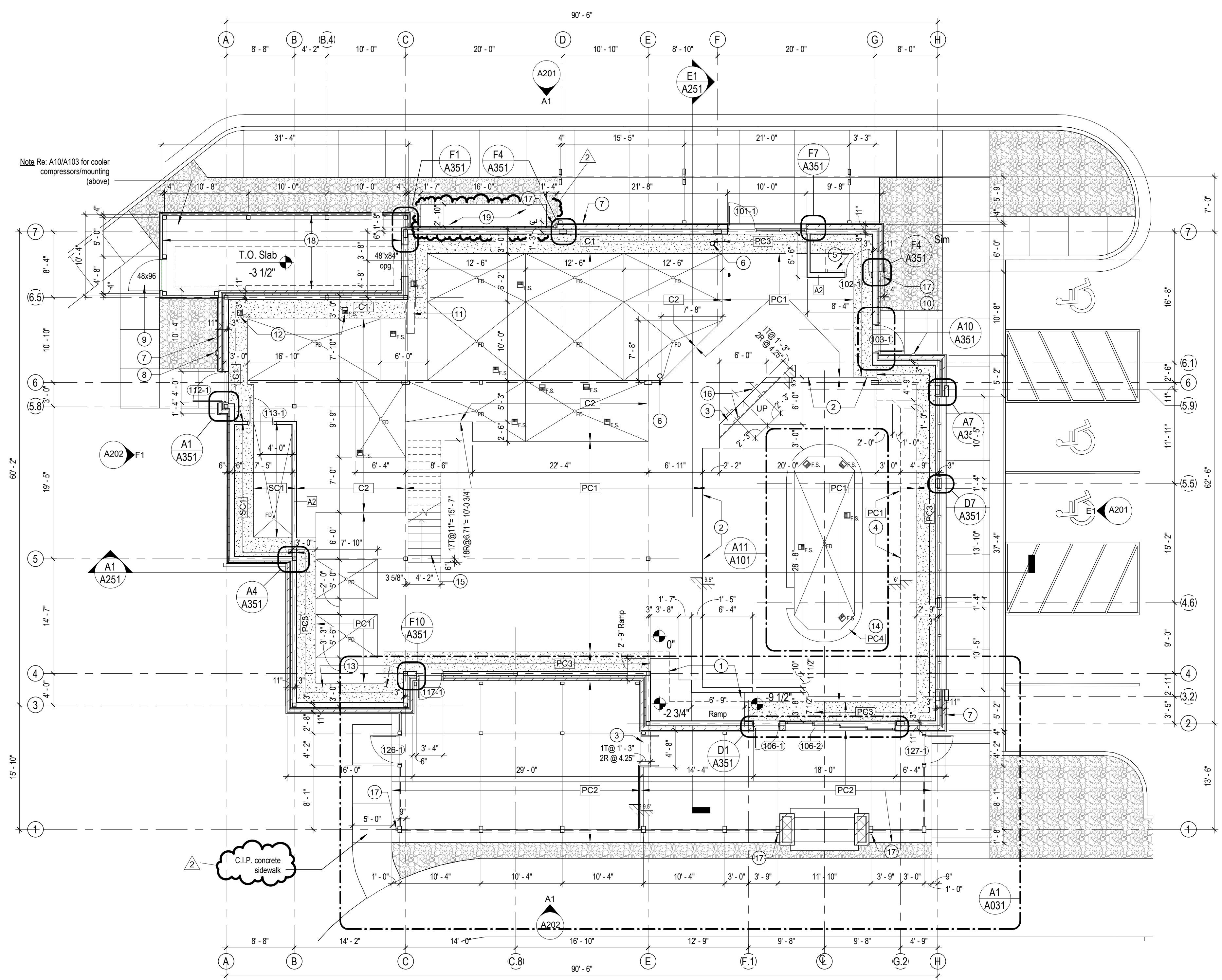
- C1 C.I.P. CONCRETE, no finish, prepared for epoxy floor (Shell Scope 1)
- C2 C.I.P. CONCRETE, no finish, prepared for epoxy floor (T.I. Scope 1)
- SC1 SEALED CONCRETE (Shell Scope 1)
- PC1 POLISHED CONCRETE (T.I. Scope 1)
C.I.P. concrete, integrally colored, ground/exposed aggregate, matte finish, interior grade sealer.
- PC2 POLISHED CONCRETE (T.I. Scope 2)
C.I.P. concrete, integrally colored, ground/exposed aggregate, matte finish, exterior grade sealer.
- PC3 POLISHED CONCRETE (Shell Scope 1): Provide C.I.P. concrete perimeter ribbon, integrally colored to match PC1.
(T.I. Scope 1): Provide finishing of perimeter ribbon. Ground/exposed aggregate, matte finish, interior grade sealer (grind and seal perimeter ribbon together with adjacent T.I. slab).
- PC4 POLISHED CONCRETE (T.I. Scope 1)
C.I.P. concrete, integrally colored, matte finish, (no ground/exposed aggregate.)

Floor Plan Keynotes - Shell Building and Interior Slab

- 1 C.I.P. accessible concrete ramp, slope 1:12. Provide cement backer board in lieu of gyp board where ramp meets stud wall.
- 2 Face of concrete turn-down to match finish of adjacent concrete slabs, typical. Provide 1/2" chamfer at turn-down, typ. U.N.O.
- 3 C.I.P. concrete step.
- 4 6" c.i.p. concrete platform (T.I. scope) finish type PC1, atop slab-on-grade (Shell scope). Re: F12/A051. Provide cement backer board (in lieu of gyp. bd.) where raised slab meets stud wall.
- 5 Metal ladder to roof access hatch.
- 6 Storm from roof, Re: plumb
- 7 Wall hydrant. Re: plumb.
- 8 Fire department connection.
- 9 Steel gate-tube and angle frame with corrugated metal infill, galvanized and painted, typ.
- 10 Knox box, Knoxvault Series 4400. Verify location with Fire Department.
- 11 Block out perimeter ribbon slab for trench drain. Re: Plumb., Kitchen.
- 12 Coord. dish room rough-in at perimeter ribbon slab and footing. Re: Plumb., Kitchen
- 13 Coord. toilet/urinal rough-in at perimeter ribbon slab and footing. Re: Plumb.
- 14 6" c.i.p. concrete curb
- 15 Wood framed stair, Re: struct.
- 16 Step light. Cast into concrete riser. Re: elec.
- 17 Prefinished sheet metal downspout, tie into below grade drainage system, discharge at grade per civil.
- 18 4" c.i.p. concrete slab on grade. Slope perimeter 1/4" per foot to drain. Re:A104, Kitchen for walk-in cooler information
- 19 4" c.i.p. concrete slab atop monolithic footing



A11 Enlarged Plan - Bar Curb
 1/4" = 1'-0"



A1 First Floor Plan - Shell Bldg. and Interior Slab
 1/8" = 1'-0"



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MEZZANINE AND LOW ROOF PLAN

MEZZANINE AND LOW ROOF PLAN

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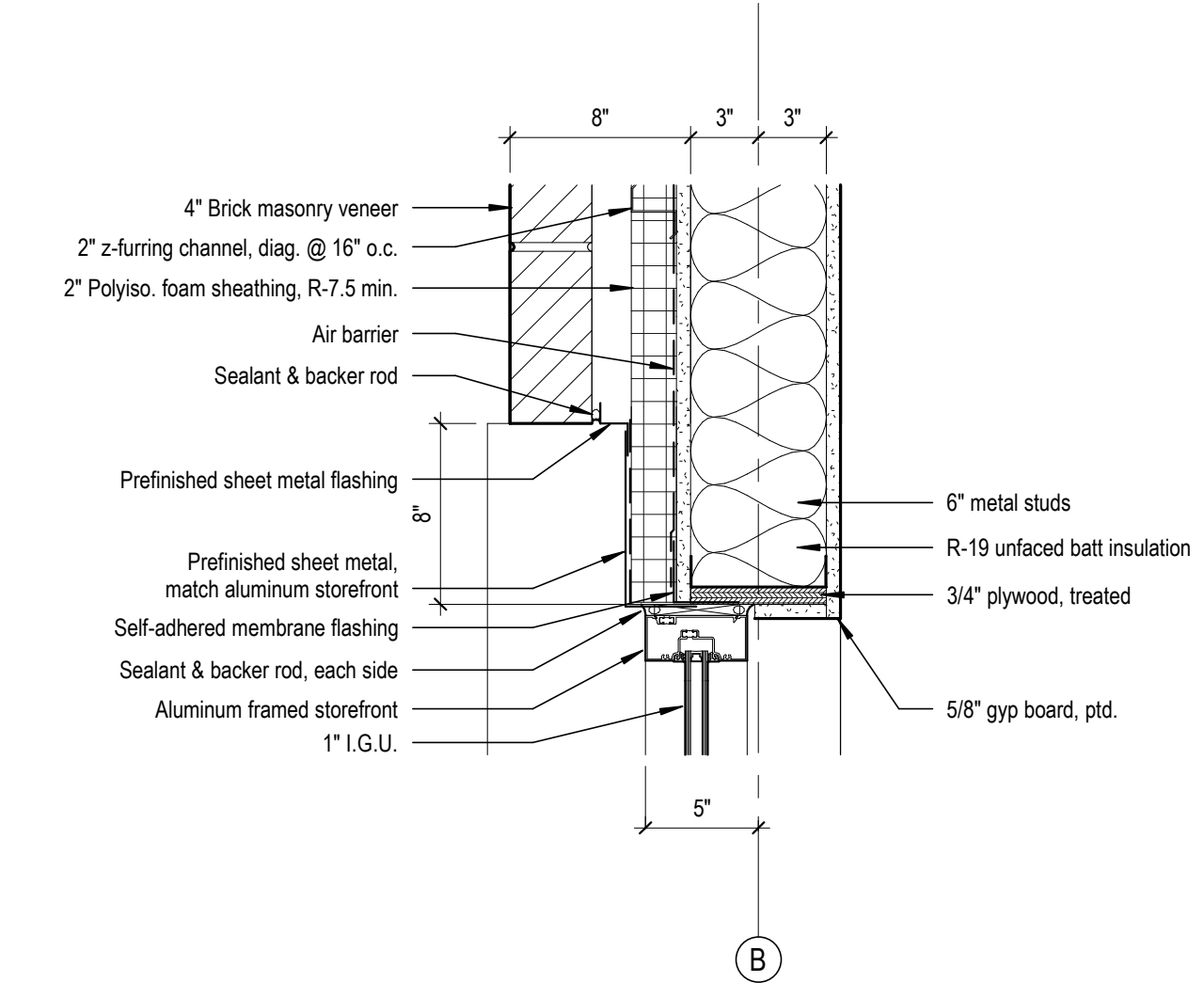
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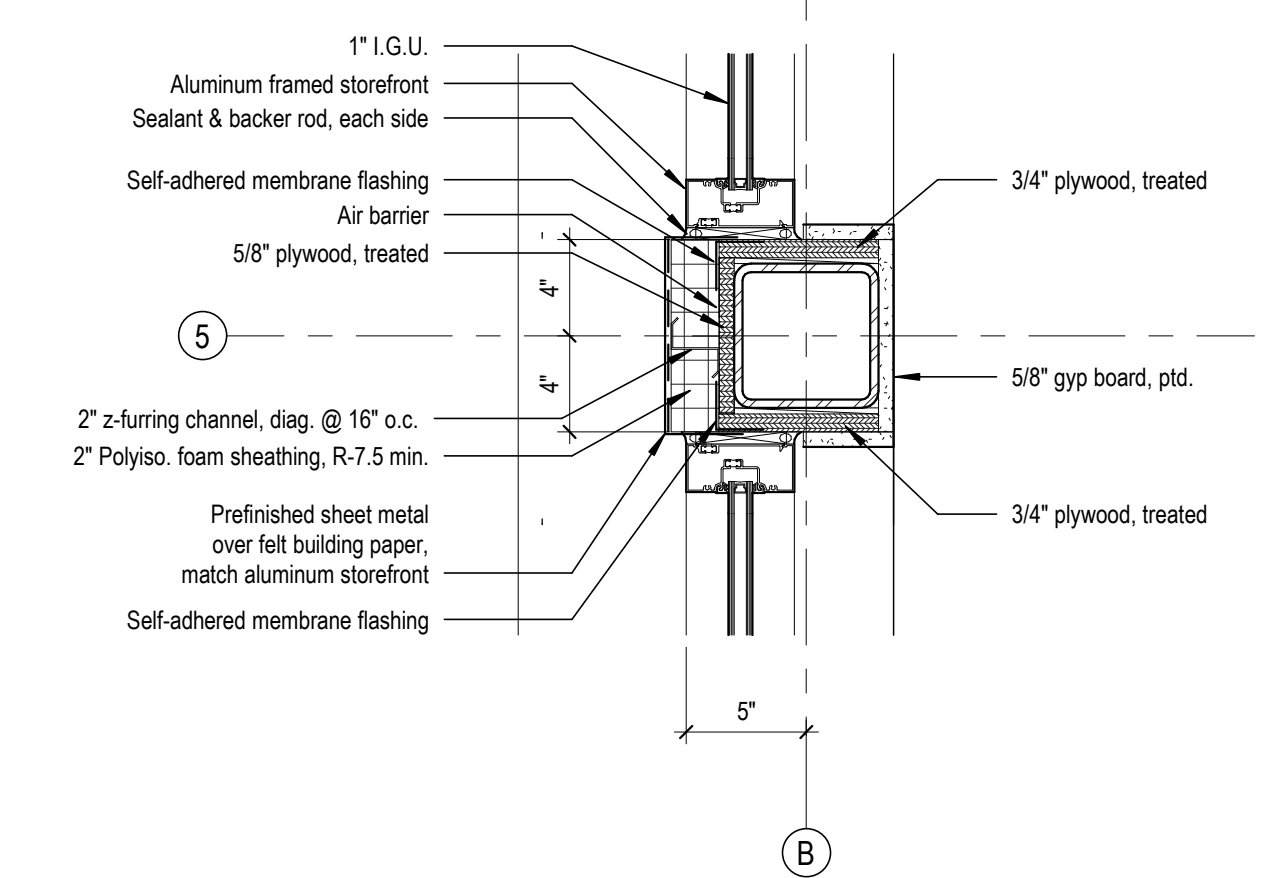
MEZZANINE AND LOW ROOF PLAN

MEZZANINE AND LOW ROOF PLAN



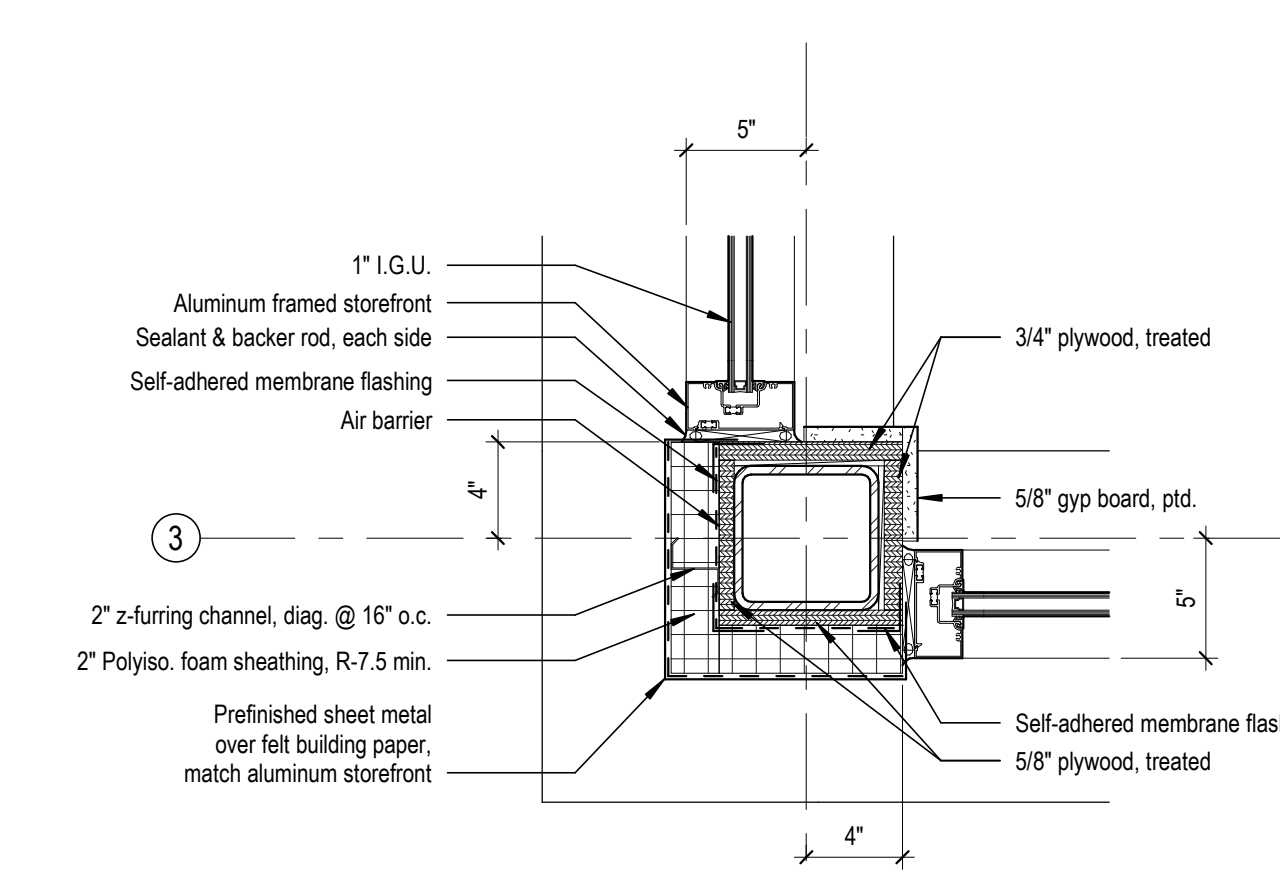
F10
 1 1/2" = 1'-0"

Plan Detail



D10
 1 1/2" = 1'-0"

Plan Detail



A10
 1 1/2" = 1'-0"

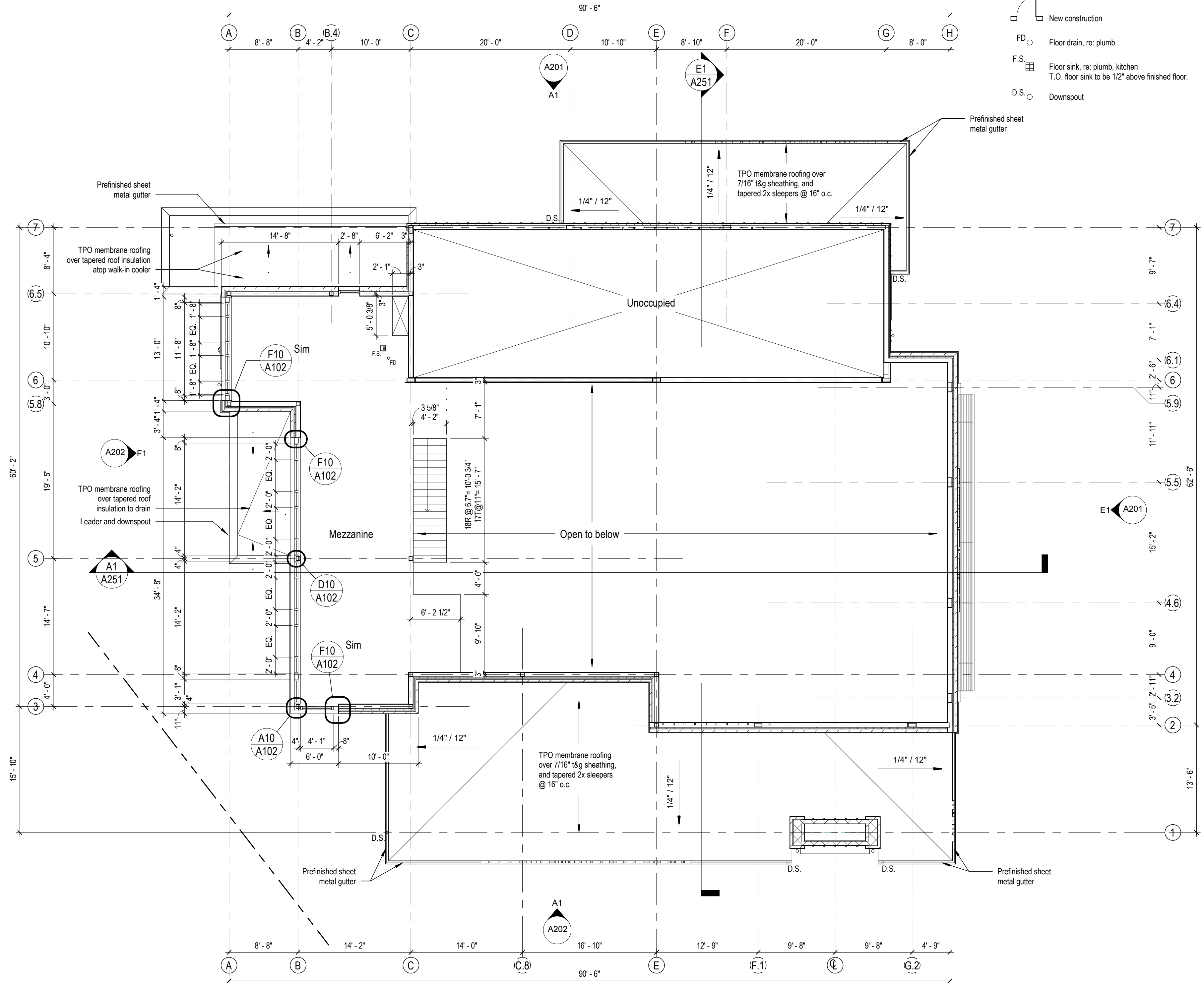
Plan Detail

General Notes - Floor Plan

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Floor Plan Legend

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- New construction
- FD: Floor drain, re: plumb
- F.S.: Floor sink, re: plumb, kitchen T.O. floor sink to be 1/2" above finished floor.
- D.S.: Downspout

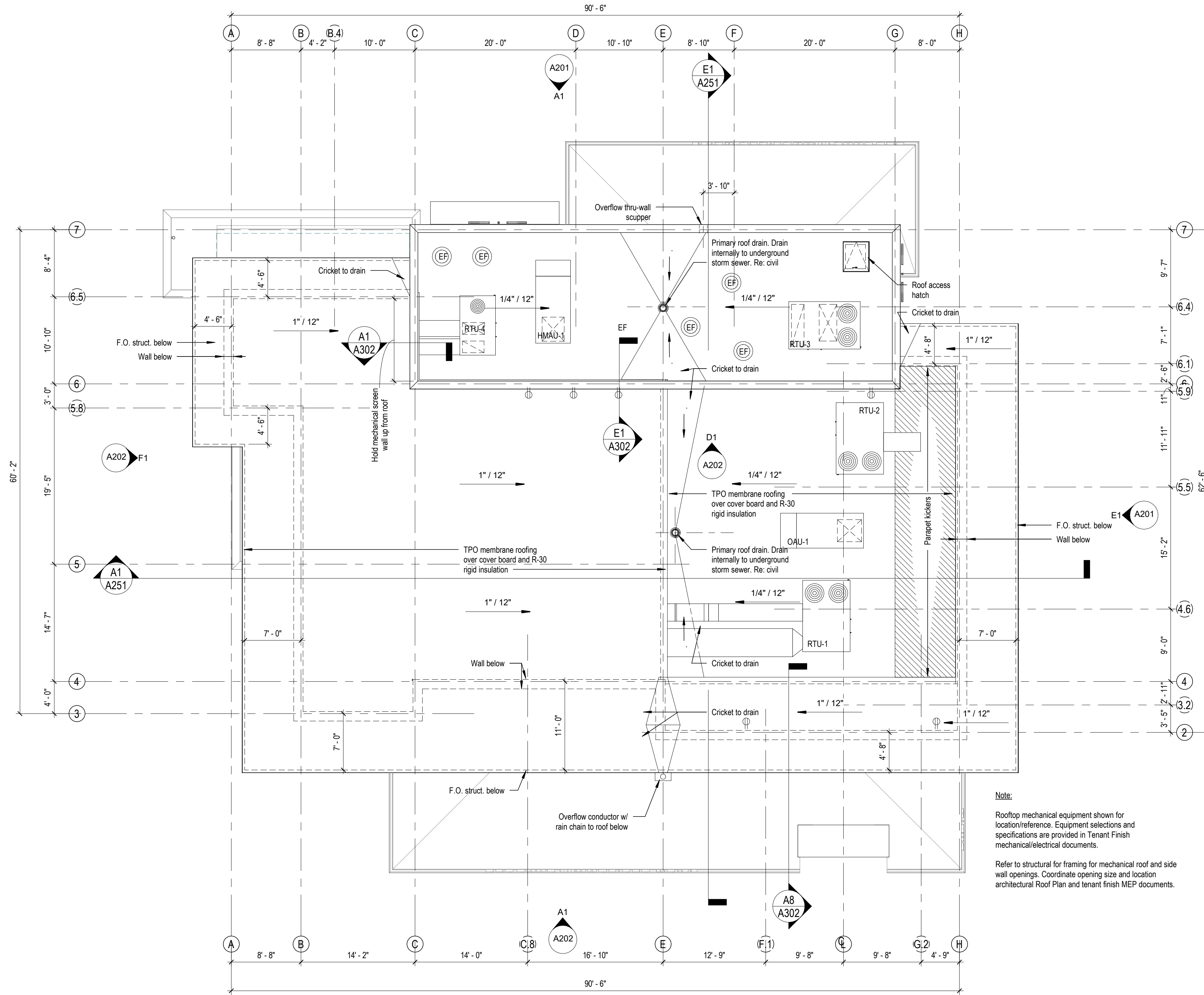


A1
 1/8" = 1'-0"
 Mezzanine and Low Roof Plan

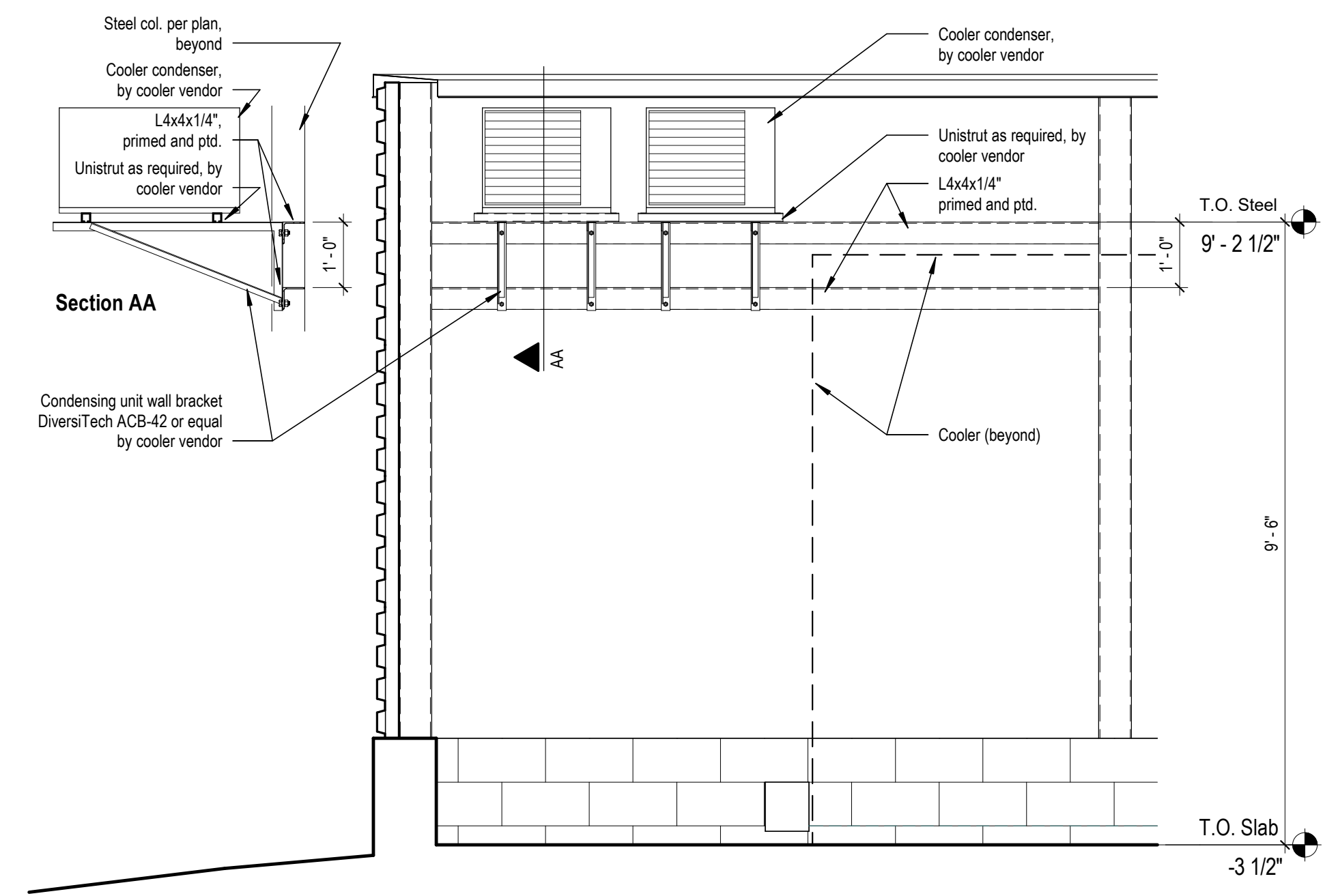


A10
 1 1/2" = 1'-0"
 Plan Detail

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Note:
 Rooftop mechanical equipment shown for location/reference. Equipment selections and specifications are provided in Tenant Finish mechanical/electrical documents.
 Refer to structural for framing for mechanical roof and side wall openings. Coordinate opening size and location architectural Roof Plan and tenant finish MEP documents.



A1
 1/8" = 1'-0"
 Roof Plan

A10
 1/2" = 1'-0"
 Elevation - Cooler Compressor

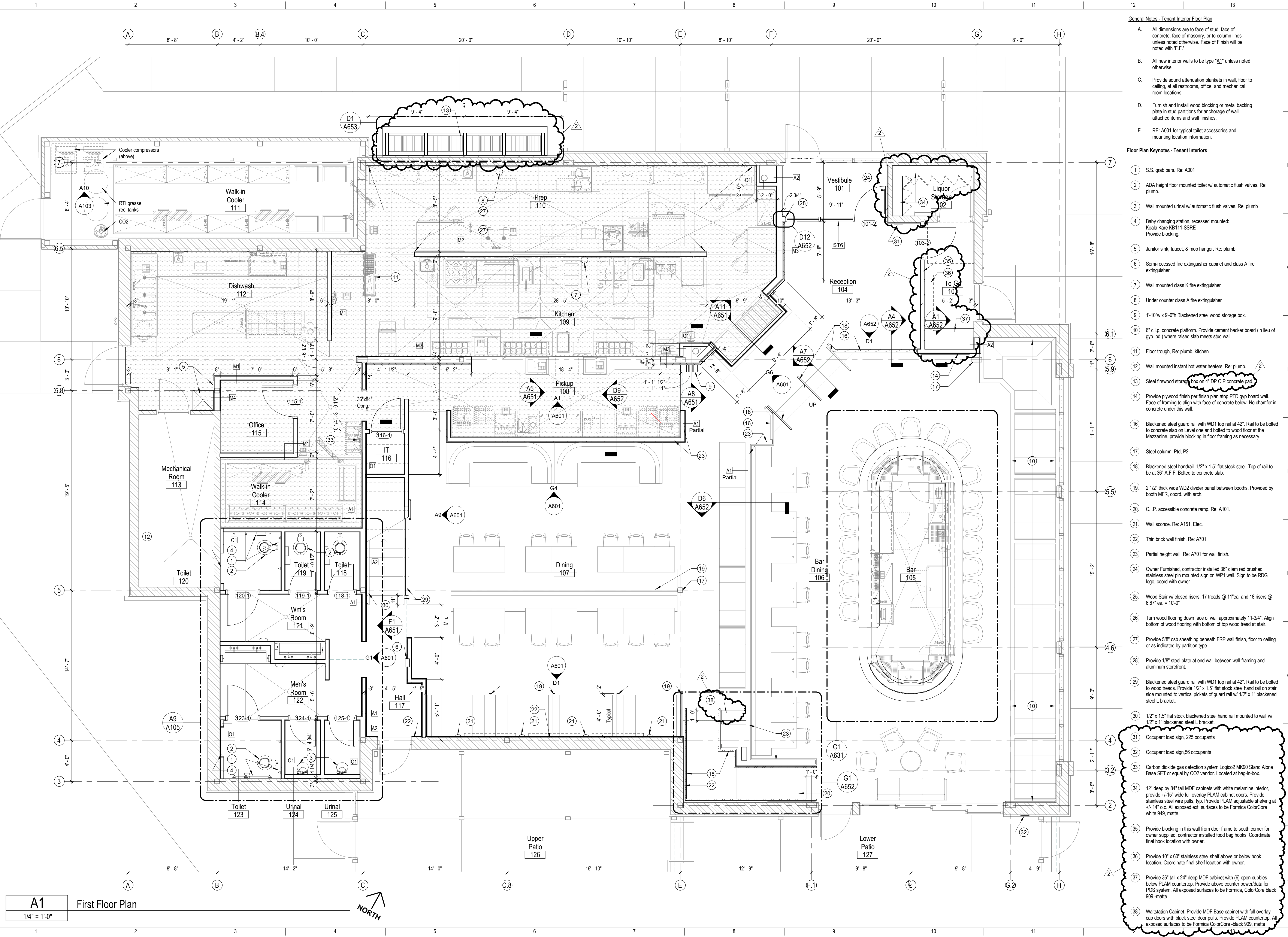
Red Door Grill - Lee's Summit
 Construction Documents
 2061 NW Lowenstein Dr.
 Lee's Summit, MO 64081



- food service**
 TriMark Hockenbergs
 10550 Barkley, Ste. 201
 Overland Park, Kansas 66211
 p. 913.945.2490
- mechanical, electrical and plumbing**
 Welch and Mitchell
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 Overland Park, KS 66211
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 Bob D. Campbell
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 COLLABORATIVE, P.C.
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PROJECT NUMBER:	20-033
ISSUE DATE:	9 April, 2021
REVISION:	DATE
1. Bldg Permit Set	04.16.2021
2. Addendum 01	05.03.2021
3. Plans Review Comments	05.12.2021

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A1
1/4" = 1'-0"
First Floor Plan

- General Notes - Tenant Interior Floor Plan**
- A. All dimensions are to face of stud, face of concrete, face of masonry, or to column lines unless noted otherwise. Face of Finish will be noted with 'F.F.'
 - B. All new interior walls to be type "A1" unless noted otherwise.
 - C. Provide sound attenuation blankets in wall, floor to ceiling, at all restrooms, office, and mechanical room locations.
 - D. Furnish and install wood blocking or metal backing plate in stud partitions for anchorage of wall attached items and wall finishes.
 - E. RE: A001 for typical toilet accessories and mounting location information.
- Floor Plan Keynotes - Tenant Interiors**
- 1 S.S. grab bars. Re: A001
 - 2 ADA height floor mounted toilet w/ automatic flush valves. Re: plumb.
 - 3 Wall mounted urinal w/ automatic flush valves. Re: plumb
 - 4 Baby changing station, recessed mounted: Koala Kara KB111-SSRE Provide blocking.
 - 5 Janitor sink, faucet, & mop hanger. Re: plumb.
 - 6 Semi-recessed fire extinguisher cabinet and class A fire extinguisher
 - 7 Wall mounted class K fire extinguisher
 - 8 Under counter class A fire extinguisher
 - 9 1'-10" w x 9'-0" high blackened steel wood storage box.
 - 10 6" c.i.p. concrete platform. Provide cement backer board (in lieu of gyp. bd.) where raised slab meets stud wall.
 - 11 Floor trough. Re: plumb, kitchen
 - 12 Wall mounted instant hot water heaters. Re: plumb.
 - 13 Steel firewood storage box on 4" DP CIP concrete pad.
 - 14 Provide plywood finish per finish plan atop PTD gyp board wall. Face of framing to align with face of concrete below. No chamfer in concrete under this wall.
 - 15 Blackened steel guard rail with WD1 top rail at 42". Rail to be bolted to concrete slab on Level one and bolted to wood floor at the Mezzanine, provide blocking in floor framing as necessary.
 - 16 Steel column. Ptd. P2
 - 17 Blackened steel handrail. 1 1/2" x 1.5" flat stock steel. Top of rail to be at 36" A.F.F. Bolted to concrete slab.
 - 18 2 1/2" thick wide WD2 divider panel between booths. Provided by booth MFR. coord. with arch.
 - 19 C.I.P. accessible concrete ramp. Re: A101.
 - 20 Wall sconce. Re: A151, Elec.
 - 21 Thin brick wall finish. Re: A701
 - 22 Partial height wall. Re: A701 for wall finish.
 - 23 Owner furnished, contractor installed 36" diam red brushed stainless steel pin mounted sign on WP1 wall. Sign to be RDG logo, coord with owner.
 - 24 Wood Stair w/ closed risers, 17 treads @ 11" ea. and 18 risers @ 6.67" ea. = 10'-0"
 - 25 Turn wood flooring down face of wall approximately 11'-3/4". Align bottom of wood flooring with bottom of top wood tread at stair.
 - 26 Provide 5/8" osb sheathing beneath FRP wall finish, floor to ceiling or as indicated by partition type.
 - 27 Provide 1/8" steel plate at end wall between wall framing and aluminum storefront.
 - 28 Blackened steel guard rail with WD1 top rail at 42". Rail to be bolted to wood treads. Provide 1/2" x 1.5" flat stock steel hand rail on stair side mounted to vertical pickets of guard rail w/ 1/2" x 1" blackened steel L bracket.
 - 29 12" x 1.5" flat stock blackened steel hand rail mounted to wall w/ 1/2" x 1" blackened steel L bracket.
 - 30 Occupant load sign, 225 occupants
 - 31 Occupant load sign, 50 occupants
 - 32 Carbon dioxide gas detection system Logico2 MK90 Stand Alone Base SET or equal by CO2 vendor. Located at bag-in-box.
 - 33 12" deep by 84" tall MDF cabinets with white melamine interior, provide +/- 15" wide full overlay PLAM cabinet doors. Provide stainless steel wire pulls, typ. Provide PLAM adjustable shelving at +/- 14" o.c. All exposed ext. surfaces to be Formica ColorCore white 949, matte.
 - 34 Provide blocking in this wall from door frame to south corner for owner supplied, contractor installed food bag hooks. Coordinate final hook location with owner.
 - 35 Provide 10" x 60" stainless steel shelf above or below hook location. Coordinate final shelf location with owner.
 - 36 Provide 36" tall x 24" deep MDF cabinet with (6) open cubbies below PLAM countertop. Provide above counter powerdata for POS system. All exposed surfaces to be Formica, ColorCore black 909, matte
 - 37 Waitstation Cabinet. Provide MDF Base cabinet with full overlay cab doors with black steel door pulls. Provide PLAM countertop. All exposed surfaces to be Formica ColorCore -black 909, matte

ARCHITECTURAL

URBAN PRAIRIE
COLLABORATIVE, P.C.

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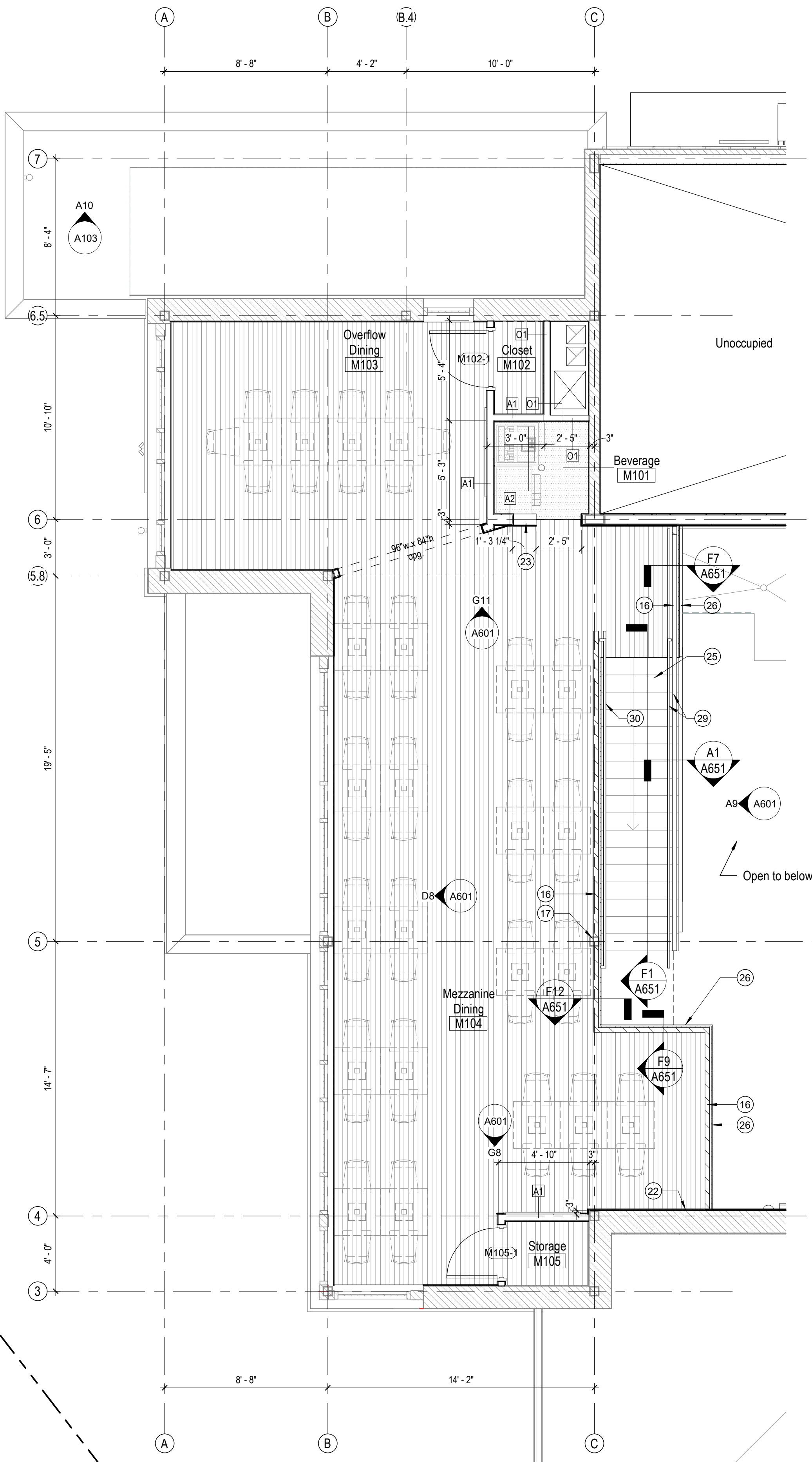
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Floor Plans - Tenant Interiors

A104
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A1
1/4" = 1'-0"
Mezzanine Plan

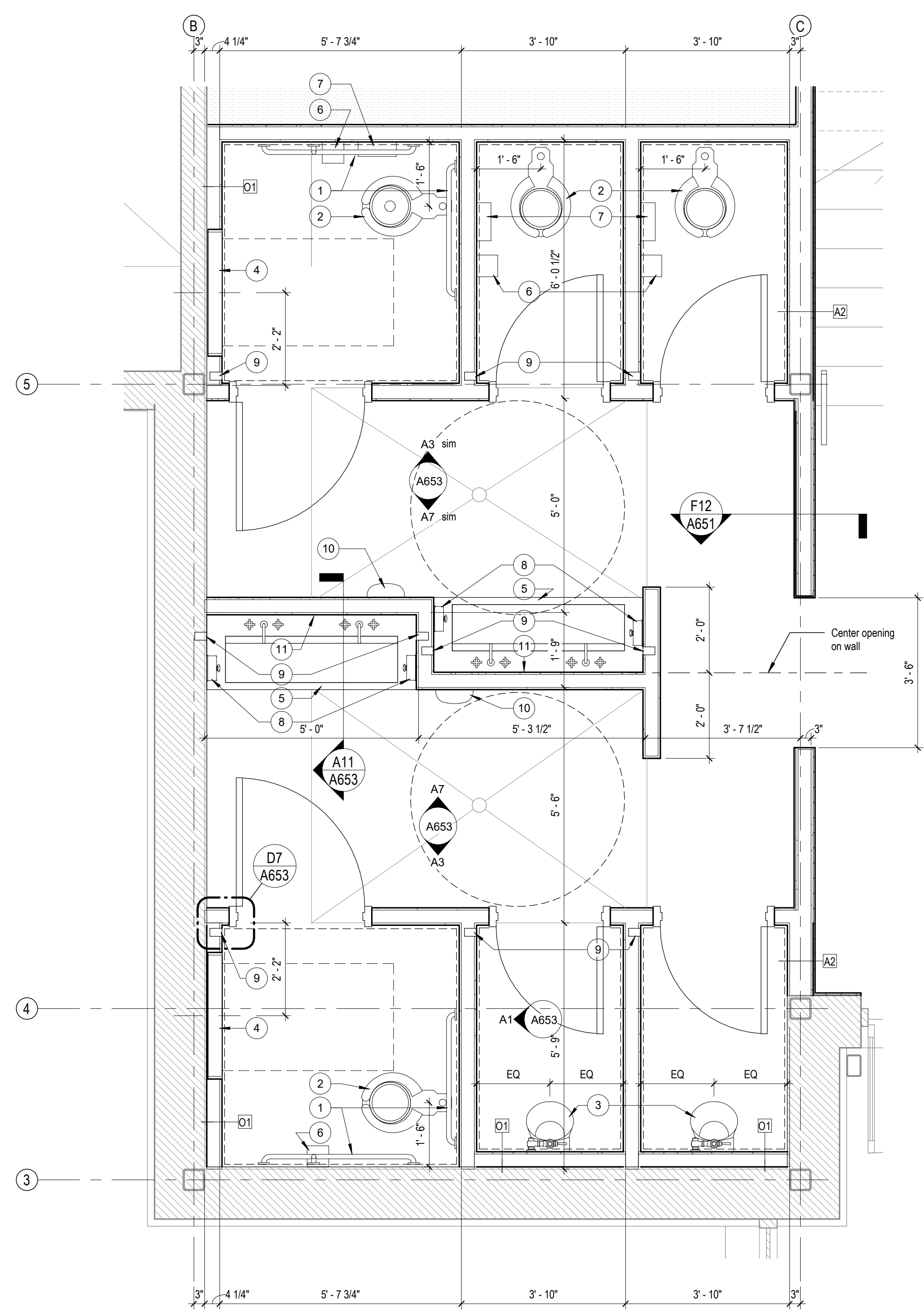


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Floor Plan Keynotes - Tenant Interiors

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- 3 Wall mounted urinal w/ automatic flush valves. Re: plumb
- 4 Baby changing station, recessed mounted: Koala Kare KB11-SSRE Provide blocking.
- 5 Janitor sink, faucet, & mop hanger. Re: plumb.
- 6 Semi-recessed fire extinguisher cabinet and class A fire extinguisher
- 7 Wall mounted class K fire extinguisher
- 8 Under counter class A fire extinguisher
- 9 1'-10" w x 9'-0" h Blackened steel wood storage box.
- 10 6" c.i.p. concrete platform. Provide cement backer board (in lieu of gyp. bd.) where raised slab meets stud wall.
- 11 Floor trough. Re: plumb, kitchen
- 12 Wall mounted instant hot water heaters. Re: plumb.
- 13 Steel firewood storage box on 4" DP CIP concrete pad.
- 14 Provide plywood finish per finish plan atop PTD gyp board wall. Face of framing to align with face of concrete below. No chamfer in concrete under this wall.
- 16 Blackened steel guard rail with WD1 top rail at 42". Rail to be bolted to concrete slab on Level one and bolted to wood floor at the Mezzanine, provide blocking in floor framing as necessary.
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- 28 Provide 1/8" steel plate at end wall between wall framing and aluminum storefront.
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- 30 1/2" x 1.5" flat stock blackened steel hand rail mounted to wall w/ 1/2" x 1" blackened steel L bracket.
- 31 Occupant load sign, 225 occupants
- 32 Occupant load sign, 56 occupants
- 33 Carbon dioxide gas detection system Logico2 MK90 Stand Alone Base SET or equal by CO2 vendor. Located at bag-in-box.
- 34 12" deep by 84" tall MDF cabinets with white melamine interior, provide +/- 15" wide full overlay PLAM cabinet doors. Provide stainless steel wire pulls, typ. Provide PLAM adjustable shelving at +/- 14" o.c. All exposed ext. surfaces to be Formica ColorCore white 949, matte.
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- 38 Waitstation Cabinet. Provide MDF Base cabinet with full overlay cab doors with black steel door pulls. Provide PLAM countertop. All exposed surfaces to be Formica ColorCore-black 909, matte



A9
1/2" = 1'-0"
Enlarged Plan - Restrooms

Keynote Legend - Restrooms

Note: provide wood blocking behind wall mounted restroom accessories, typ.

- 1 S.S. grab bars. Re: A001
- 2 Floor mounted toilet, American Standard Madera 3043.001, ADA height, w/ automatic flush valves. Re: plumb.
- 3 Wall mounted urinal, American Standard Decorum 6042.001, w/ automatic flush valves. Re: plumb.
- 4 Baby changing station, recessed mounted: Koala Kare KB11-SSRE Provide blocking.
- 5 Quartz trough sink, QZ1
- 6 Toilet paper holder, Bobrick B-2888, typ.
- 7 Sanitary napkin disposal (at wom's m's), Bobrick B-254, typ.
- 8 S.S. soap dispenser Bobrick B-2112, typ.
- 9 Recessed light, Re: A151, elec.
- 10 Elec. hand dryer, Bobrick B-7188, typ.
- 11 Mirror



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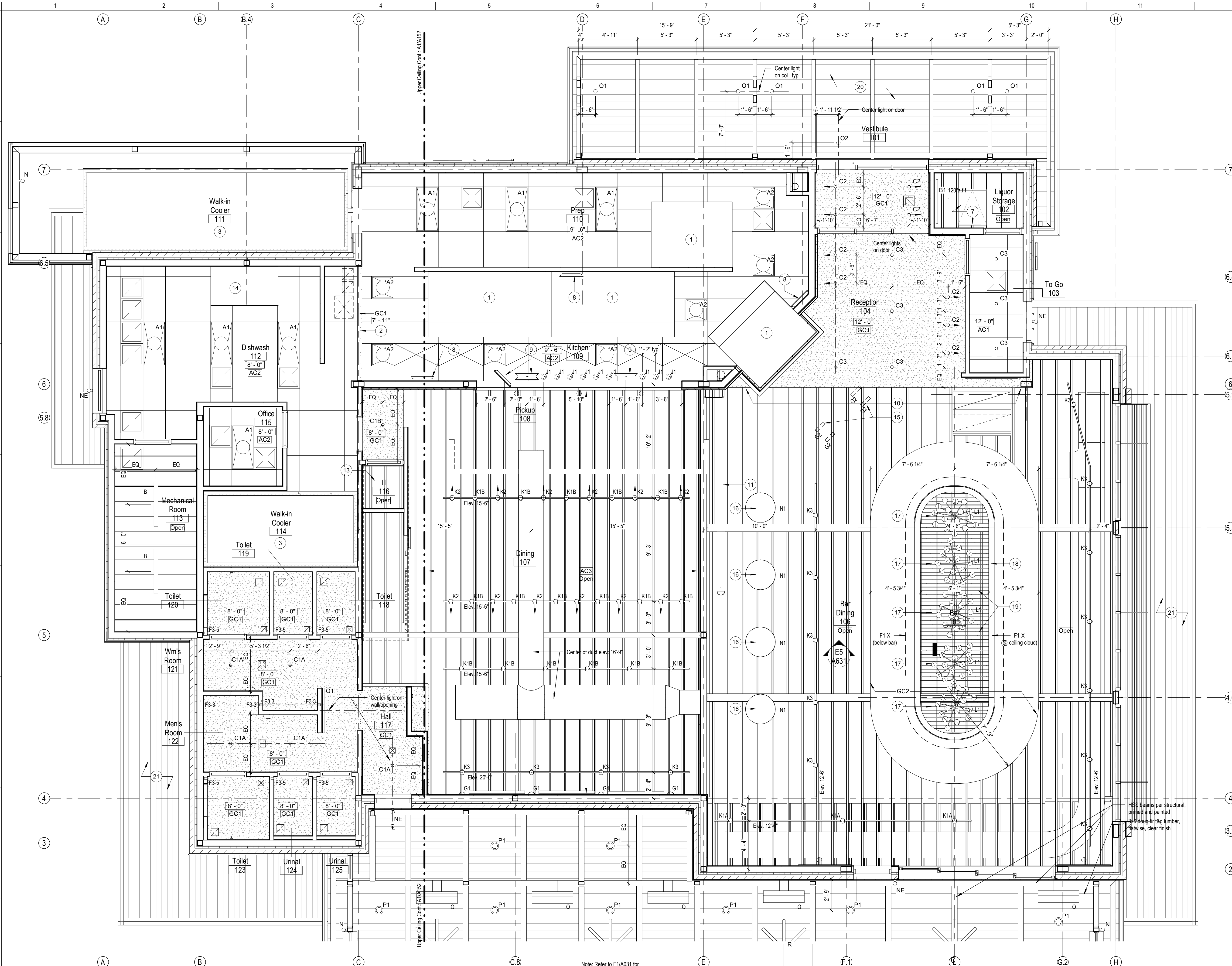
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Reflected Ceiling Plan Keynotes

- 1 Exhaust hood. Re: Mech.
- 2 Gyp. board soffit, ptd.
- 3 Walk-in cooler w/ integral light per manufacturer. Re: Kitchen
- 4 Not used
- 5 TVs on ceiling mounts by AV contractor. Provide 2x blocking between roof trusses for mounting.
- 6 Manual operated roller shades by owner. Draper Clutch Operated FlexShade or equal. Ceiling/wall headbox w/ aluminum fascia.
- 7 Roof hatch and metal ladder (shell building scope)
- 8 Kitchen monitor on wall mounted bracket by others. GC provide power and conduit for data. Re: elec.
- 9 Kitchen monitor on hung bracket by others. GC provide power and conduit for data at ceiling above. Re: elec.
- 10 Gyp. bd. bulkhead to structure, ptd.
- 11 Roof drain storm line (shell building scope). Route high in joist space and through steel beams. Re: Plumb.
- 12 Provide linear slot return diffuser. RE: MEP. Center above guard rail below.
- 13 Coordinate cooling/ventilation requirements for IT room with owner. Provide cooling/ventilation as required.
- 14 Condensate hood. Re: Mech., Kitchen
- 15 Step light cast into concrete riser below. Re: elec.
- 16 Pendant light over booth table
- 17 Pendant light over bar
- 18 LED strip light concealed within cove of ceiling. GC1
- 19 1x6 rift sawn white oak WD1 boards @ 4" O.C. Provide 2" black fiberglass acoustical board over top.
- 20 3x6 Douglas fir T&G lumber flatwise, clear finish. On HSS beams per structural, primed and painted.
- 21 2x6 Douglas fir T&G wood soffit, clear finish.

Ceiling Plan Finish Legend

Note: At ceiling open to structure paint exposed surfaces, decking, steel joists and beams, ductwork, conduit and other unfinished materials color P2 unless noted otherwise.

- AC1 Acoustical panel ceiling, 2x2 tegular edge, NRC 70 min., black finish
- AC2 Washable acoustic panel ceiling, white finish
- AC3 Acoustical panel ceiling Rockfon Industrial Black, 2x4x2" square lay-in, NRC 1.05. Rip panels lengthwise to fit between roof joists. Direct attach with hex-head wood screw and washer through ceiling panel, fastened to roof deck. Paint screw and washer black prior to install.
- GC2 1/2" gypsum ceiling board PTD.
- GC2 1/2" gypsum ceiling board with Armourcoat surface. Final finish coat to be Spatulata; white
- Open Open to existing structure. Paint all exposed surfaces, framing, ductwork, conduit and other unfinished materials color P2: SW 7675 Seaskin

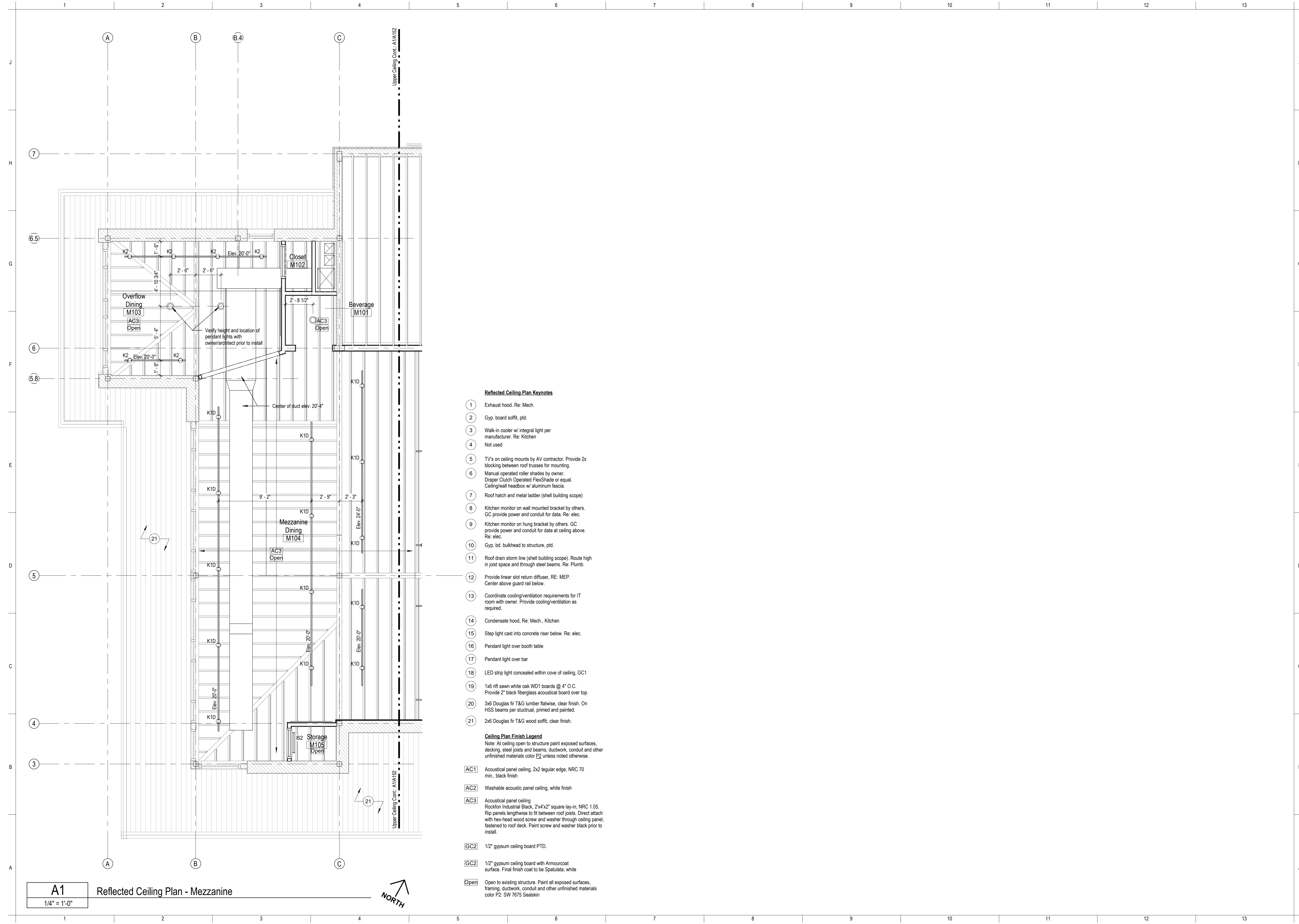
A1
 1/4" = 1'-0"
 Reflected Ceiling Plan

Note: Refer to F1/A031 for patio ceiling information

Reflected Ceiling Plan

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A1
1/4" = 1'-0"
Reflected Ceiling Plan - Mezzanine

- Reflected Ceiling Plan Keynotes**
- 1 Exhaust hood. Re: Mech.
 - 2 Gyp. board soffit, ptd.
 - 3 Walk-in cooler w/ integral light per manufacturer. Re: Kitchen
 - 4 Not used
 - 5 TV's on ceiling mounts by AV contractor. Provide 2x blocking between roof trusses for mounting.
 - 6 Manual operated roller shades by owner. Draper Clutch Operated FlexShade or equal. Ceiling/wall headbox w/ aluminum fascia.
 - 7 Roof hatch and metal ladder (shell building scope)
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 - 11 Roof drain storm line (shell building scope). Route high in joist space and through steel beams. Re: Plumb.
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 - 13 Coordinate cooling/ventilation requirements for IT room with owner. Provide cooling/ventilation as required.
 - 14 Condensate hood, Re: Mech., Kitchen
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 - GC2 1/2" gypsum ceiling board PTD.
 - GC2 1/2" gypsum ceiling board with Armourcoat surface. Final finish coat to be Spatulata; white
 - Open Open to existing structure. Paint all exposed surfaces, framing, ductwork, conduit and other unfinished materials color P2. SW 7675 Sealskin



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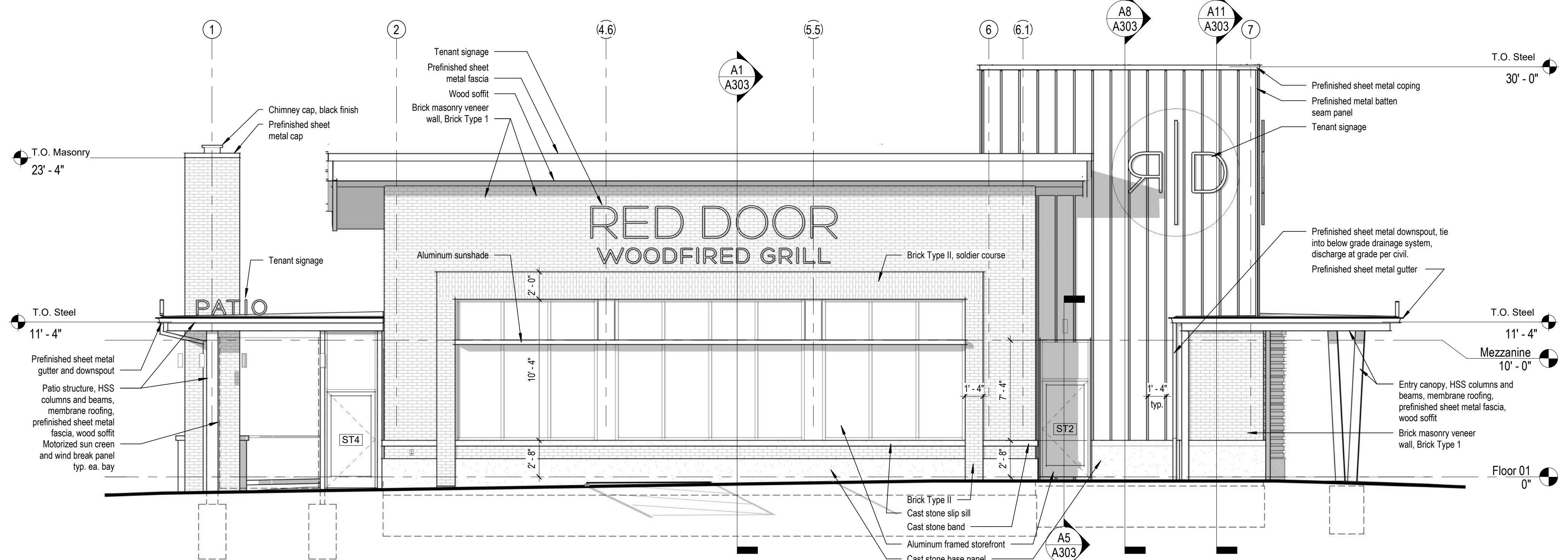
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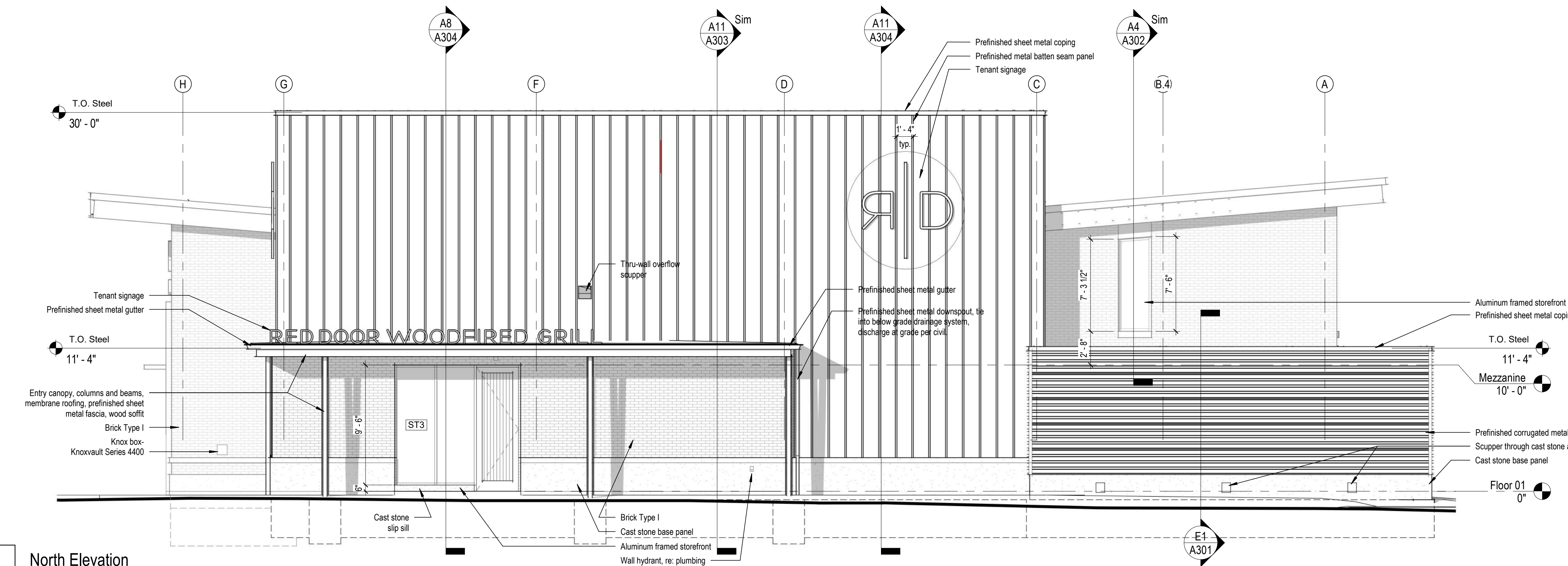
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E1 East Elevation
 3/16" = 1'-0"



A1 North Elevation
 3/16" = 1'-0"

Exterior Finish Basis of Design Products:

- Aluminum Framed Storefront**
 Mfg: Tubelite
 Style: T14000
 Color: Black anodized
 Size: 2' x 4 1/2' center set
 Note: 1" IGU, low-E
- Aluminum Sunshade**
 Mfg: Tubelite
 Style: Maxblock Sunshade Z-Blade
 Color: Black anodized
 Size: 30" projection, 5-1/4" blade
- Brick Type I**
 Mfg: Hebron Brick Company
 Color: Sea Grey #6 (70%)
 Silverado (30%)
 Size: Modular
 Finish: Velour
- Brick Type II**
 Mfg: Hebron Brick Company
 Color: Sea Grey #6
 Size: Modular
 Finish: Velour
- Brick Type III**
 Mfg: Sioux City Brick
 Color: Ebonite Velour
 Size: Modular
 Finish: Velour
- Paving Brick Type I**
 Mfg: Yankee Hill
 Color: Dove Grey
 Pattern: Herringbone
- Prefinished Metal Batten Seam Panel**
 Mfg: Berridge
 Style: Batten Seam Panel
 Color: Matte Black
 Size: 24 ga x 16" wide
 Note: Coping finish to match
- Prefinished Corrugated Metal Panel**
 Mfg: Berridge
 Style: HR-16 Panel
 Color: Zinc Grey
 Size: 24 ga x 16" wide, 4" rib w/ 2" reveal
- Wood Soffit**
 Species: Douglas Fir
 Style: Tongue and groove
 Size: 1x6
 Finish: Stained
- Fenced Enclosure and Gate**
 Mfg: Ameristar
 Style: WireWorks Plus
 Panel: 4' tall, 2"x6" mesh, 3" v-fold, 6ga. wire
 Post: 2" sq. x 16ga.
 Finish: PermaCoat powder coated
 Color: Black

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Exterior Elevations

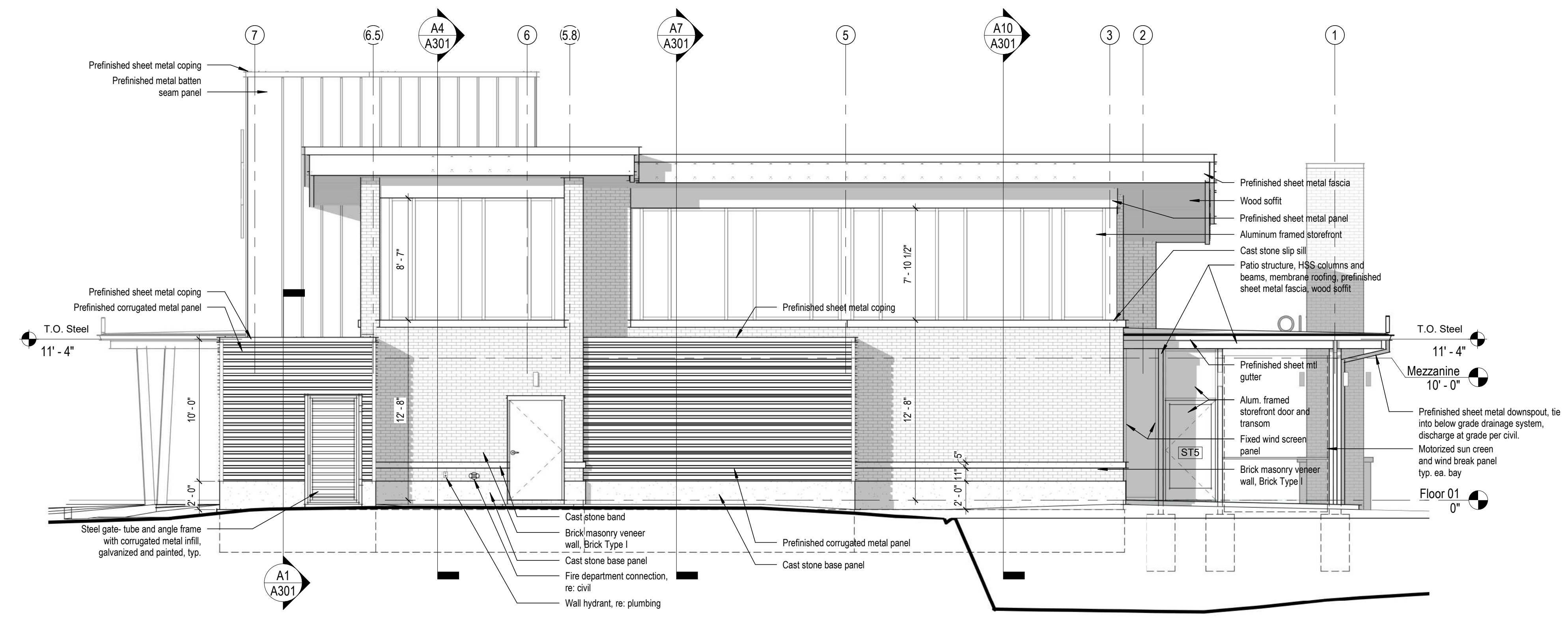
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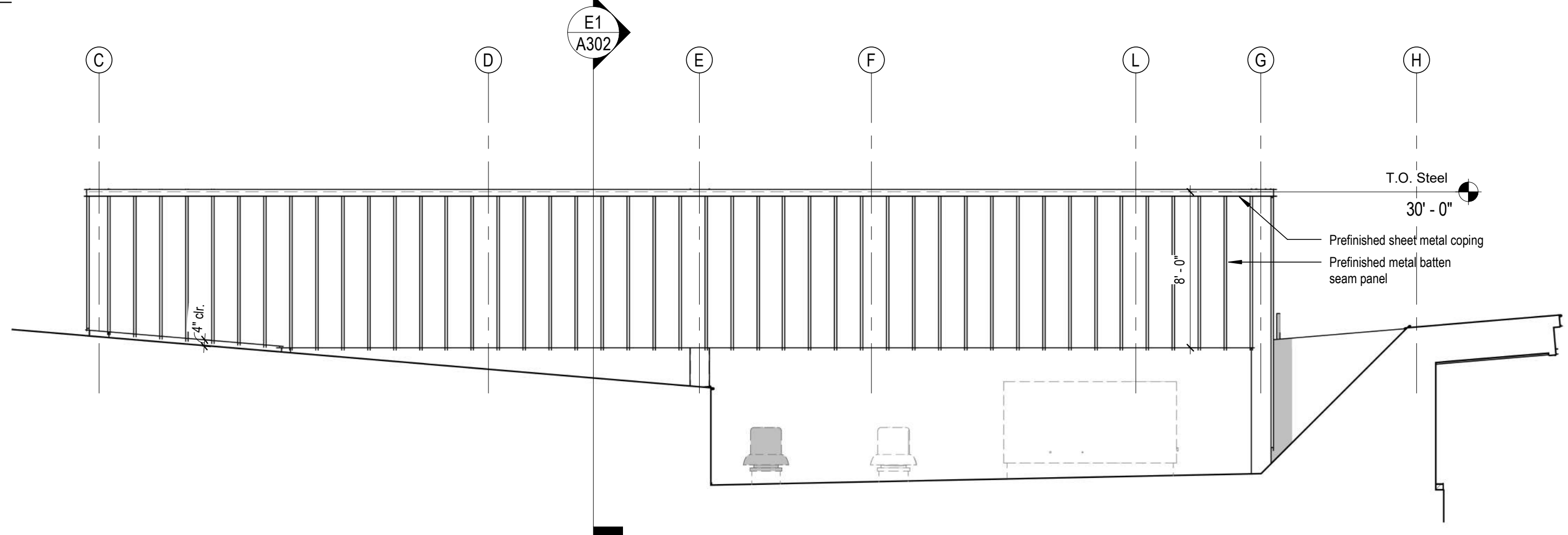
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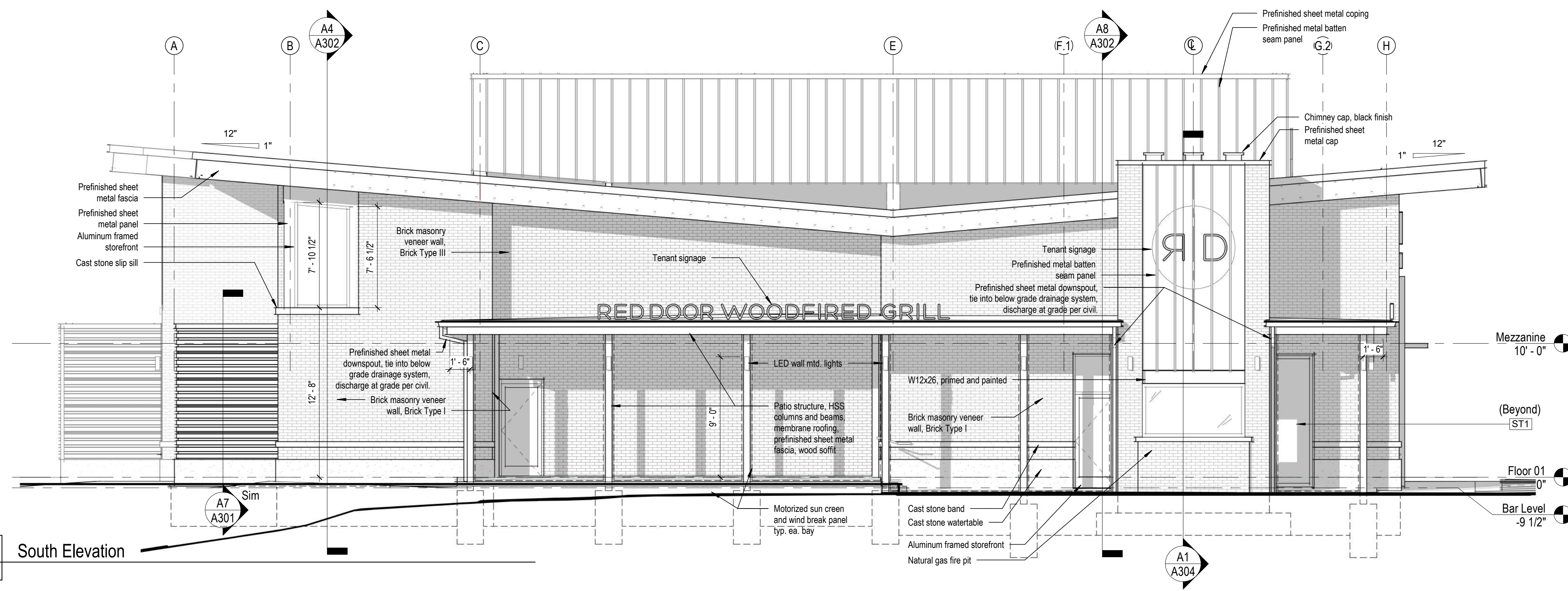


F1
 West Elevation
 3/16" = 1'-0"



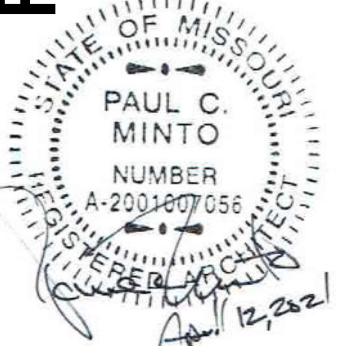
D1
 South Elevation - Roof Screen
 3/16" = 1'-0"

- Exterior Finish Basis of Design Products:**
- Aluminum Framed Storefront**
 Mfg: Tubelite
 Style: T14000
 Color: Black anodized
 Size: 2' x 4 1/2' center set
 Note: 1" IGU, low-E
- Aluminum Sunshade**
 Mfg: Tubelite
 Style: Maxblock Sunshade Z-Blade
 Color: Black anodized
 Size: 30" projection, 5-1/4" blade
- Brick Type I**
 Mfg: Hebron Brick Company
 Color: Sea Grey #6 (70%)
 Silverado (30%)
 Size: Modular
 Finish: Velour
- Brick Type II**
 Mfg: Hebron Brick Company
 Color: Sea Grey #6
 Size: Modular
 Finish: Velour
- Brick Type III**
 Mfg: Sioux City Brick
 Color: Ebonite Velour
 Size: Modular
 Finish: Velour
- Paving Brick Type I**
 Mfg: Yankee Hill
 Color: Dove Grey
 Pattern: Herringbone
- Prefinished Metal Batten Seam Panel**
 Mfg: Berridge
 Style: HR-16 Panel
 Color: Zinc Grey
 Size: 24 ga. x 16" wide
 Note: Coping finish to match
- Prefinished Corrugated Metal Panel**
 Mfg: Berridge
 Style: HR-16 Panel
 Color: Zinc Grey
 Size: 24 ga. x 16" wide, 4" rib w/ 2" reveal
- Wood Soffit**
 Species: Douglas Fir
 Style: Tongue and groove
 Size: 1x6
 Finish: Stained
- Fenced Enclosure and Gate**
 Mfg: Ameristar
 Style: WireWorks Plus
 Panel: 4' tall, 2"x6" mesh, 3" v-fold, 6ga. wire
 Post: 2" sq. x 16ga.
 Finish: PermaCoat powder coated
 Color: Black



A1
 South Elevation
 3/16" = 1'-0"

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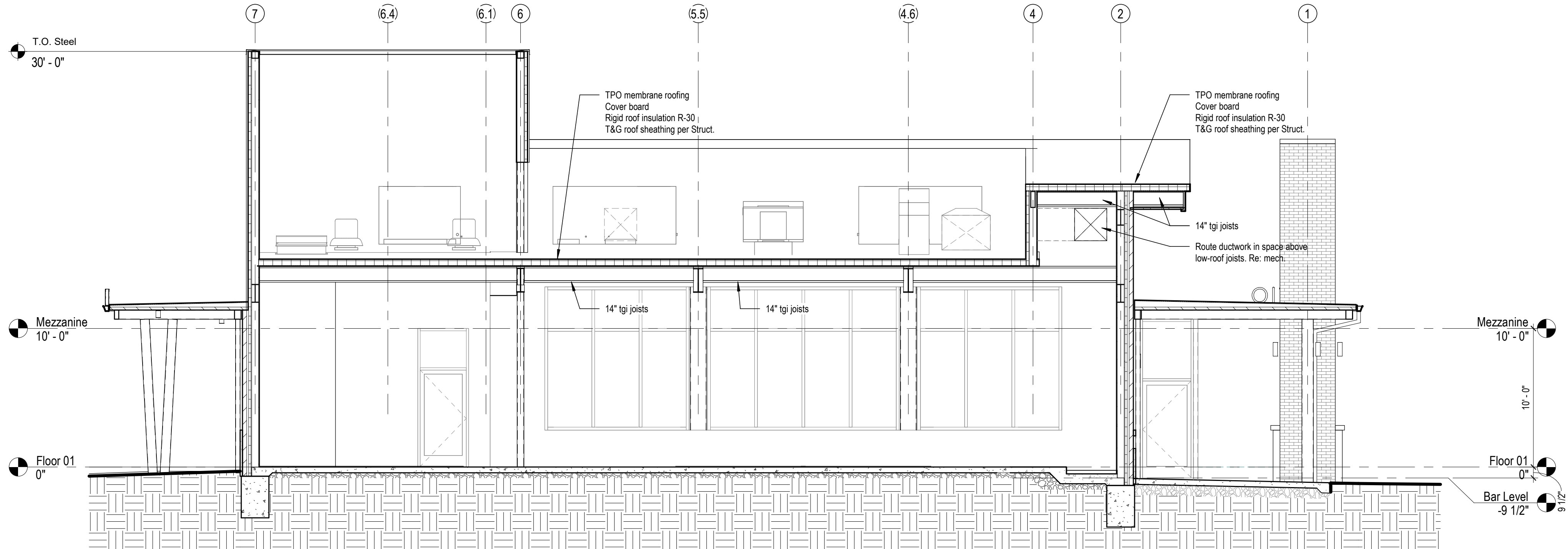
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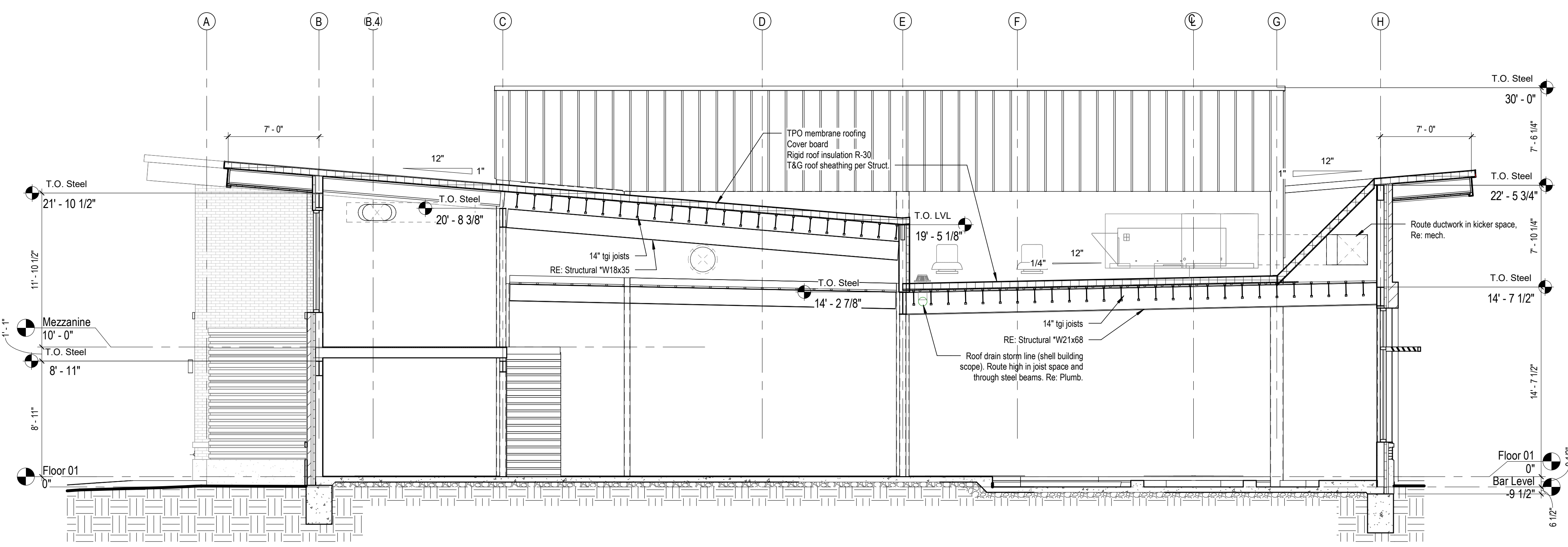
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1. Bid/Permit Set	04.16.2021
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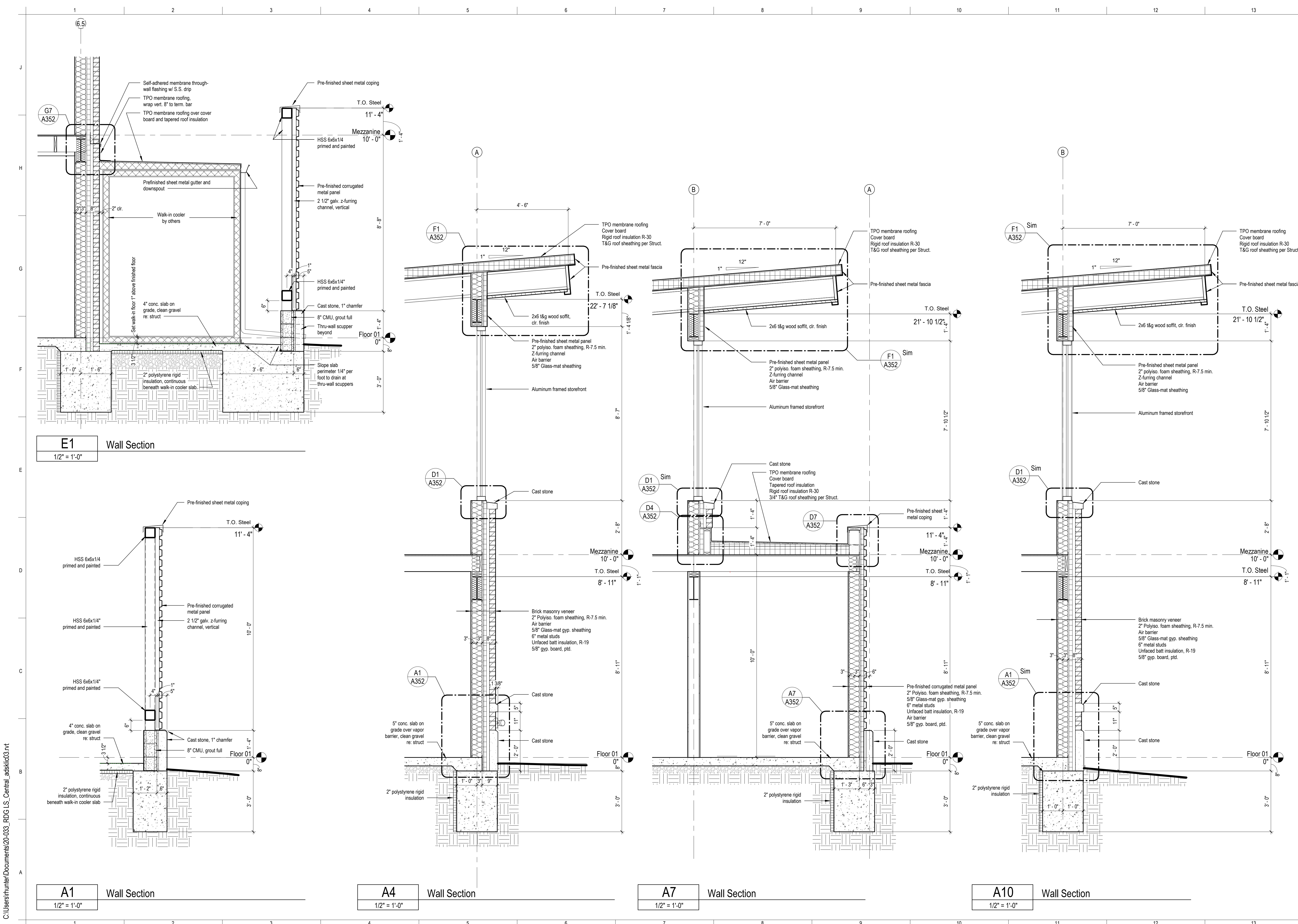
Building Sections



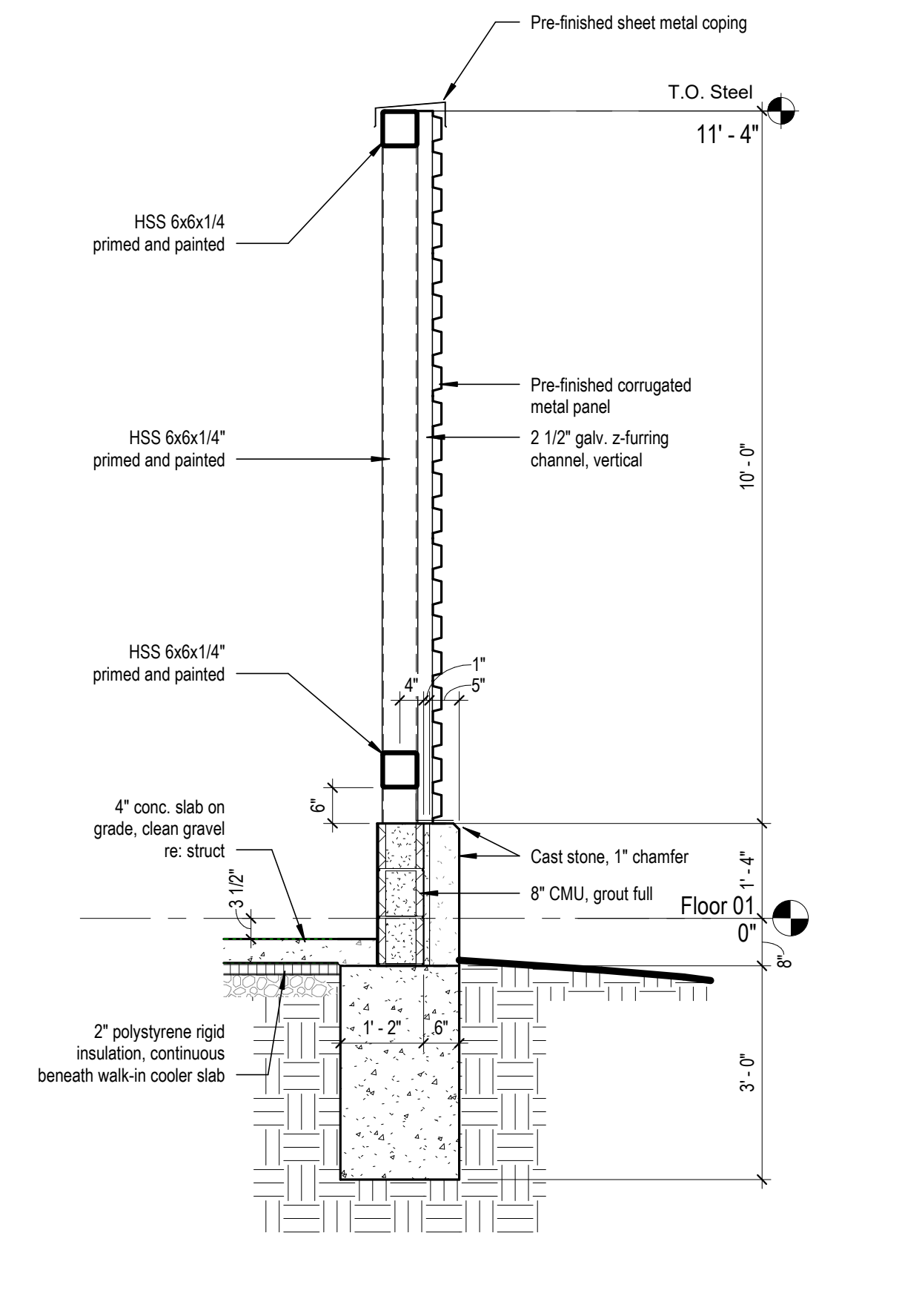
E1 Building Section
 3/16" = 1'-0"



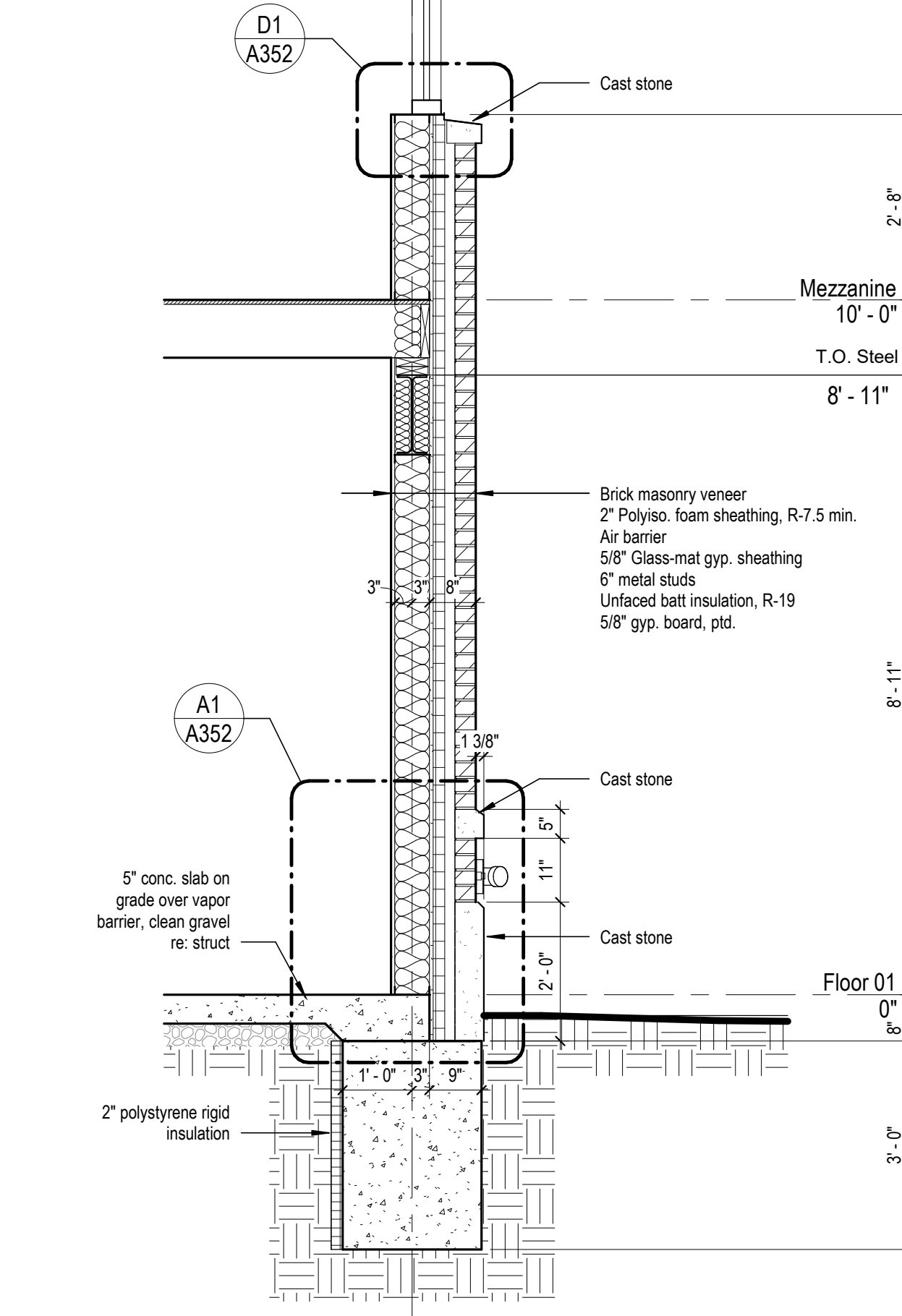
A1 Building Section
 3/16" = 1'-0"



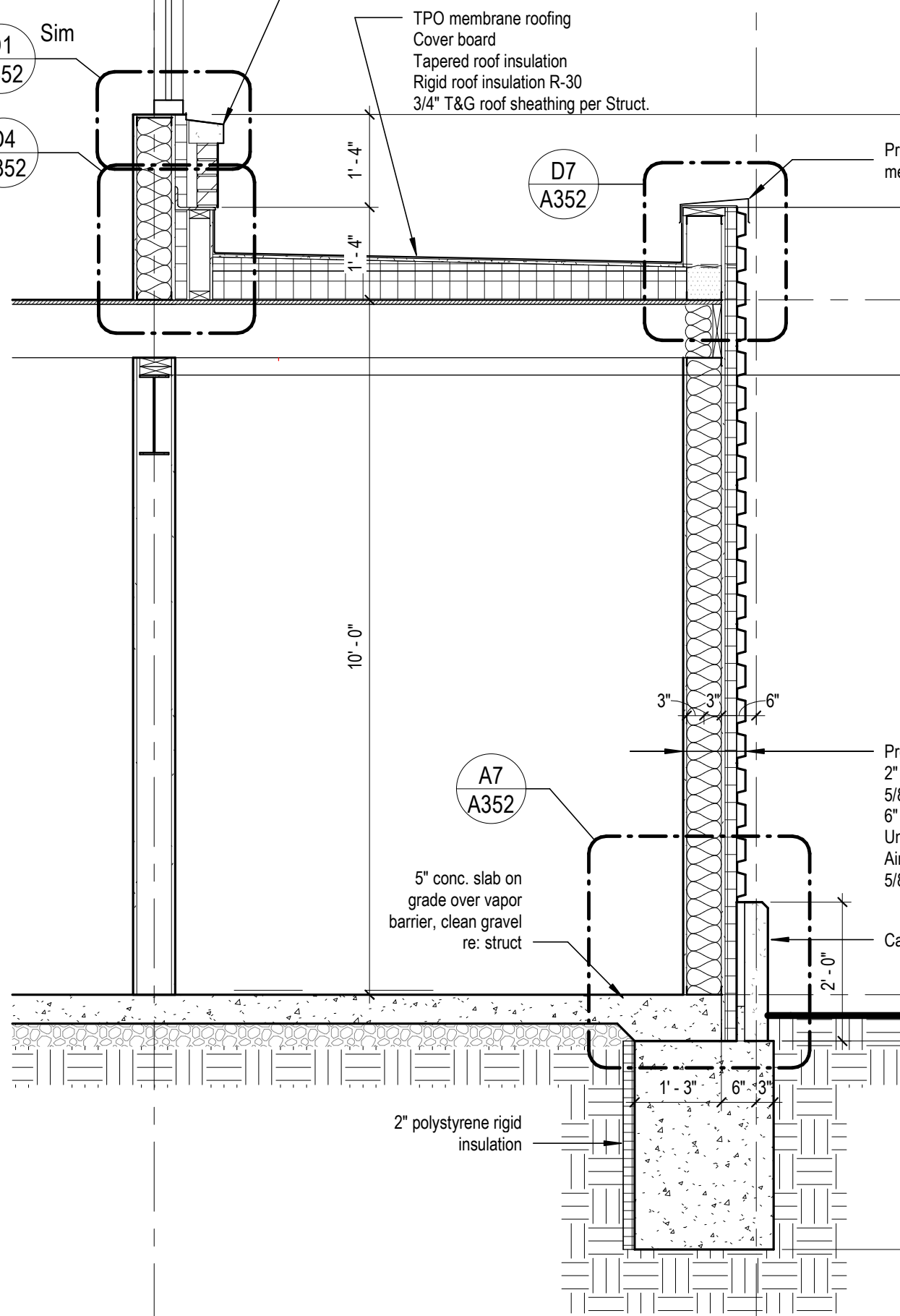
E1 Wall Section
1/2" = 1'-0"



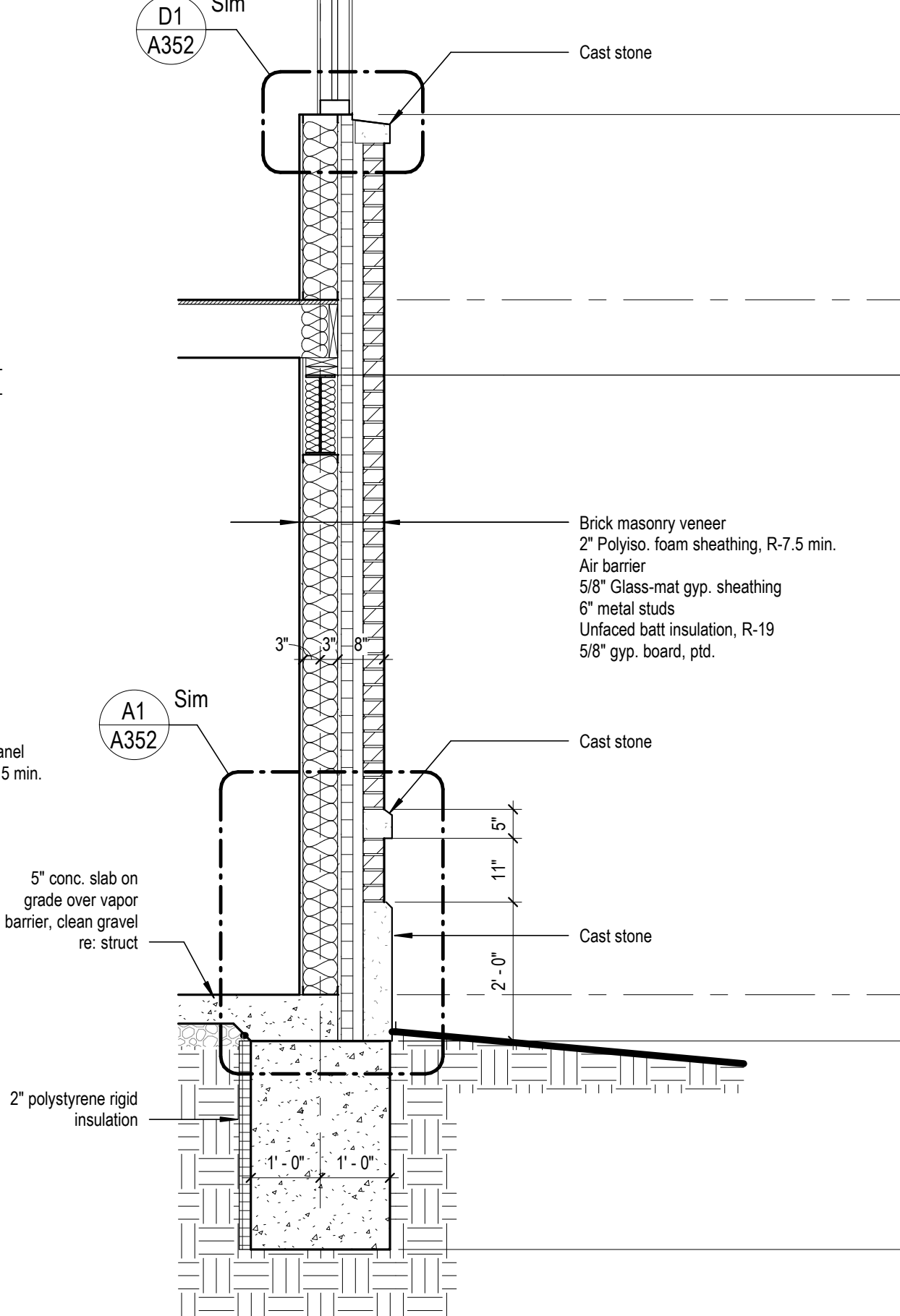
A1 Wall Section
1/2" = 1'-0"



A4 Wall Section
1/2" = 1'-0"



A7 Wall Section
1/2" = 1'-0"



A10 Wall Section
1/2" = 1'-0"

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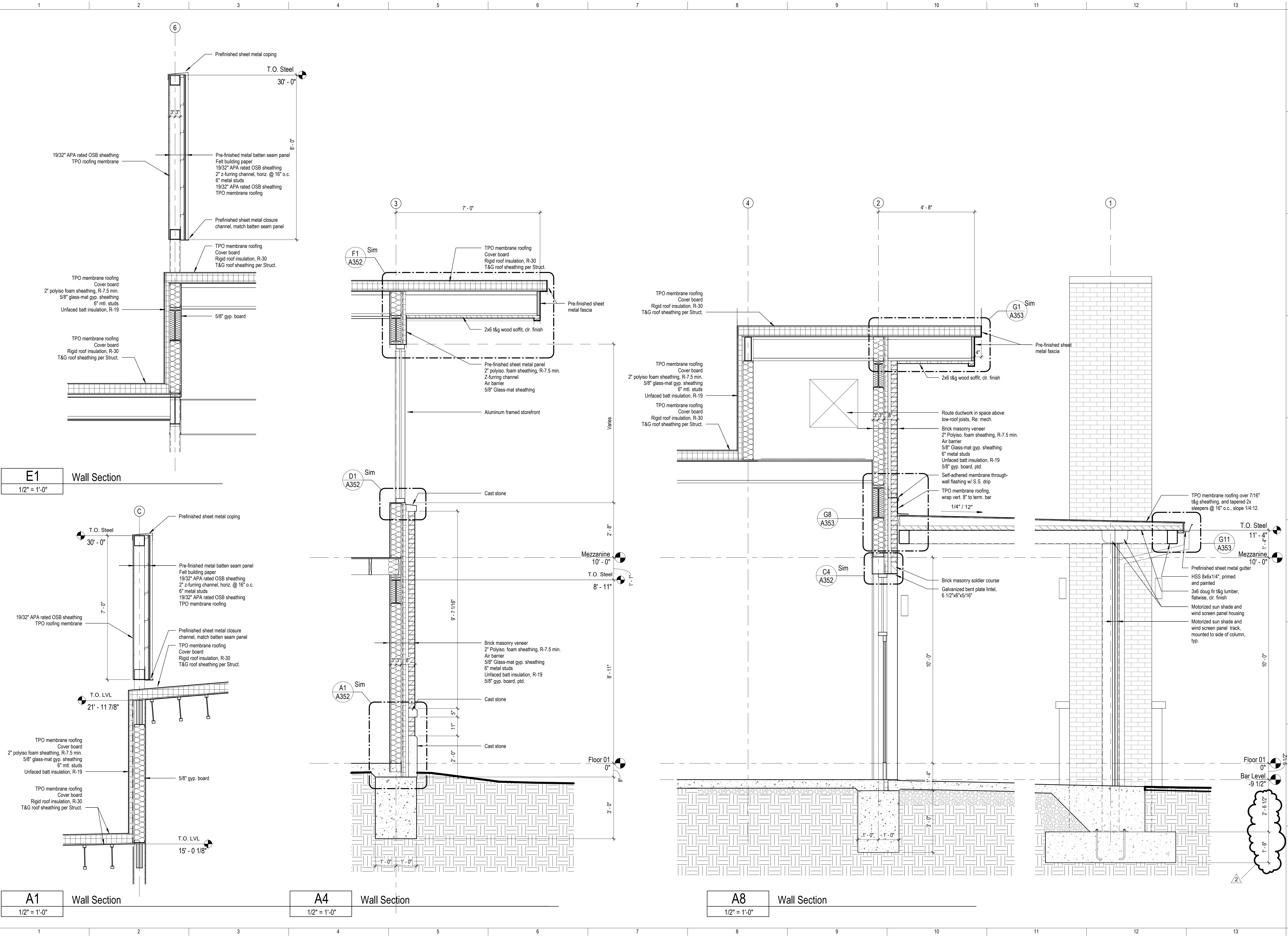
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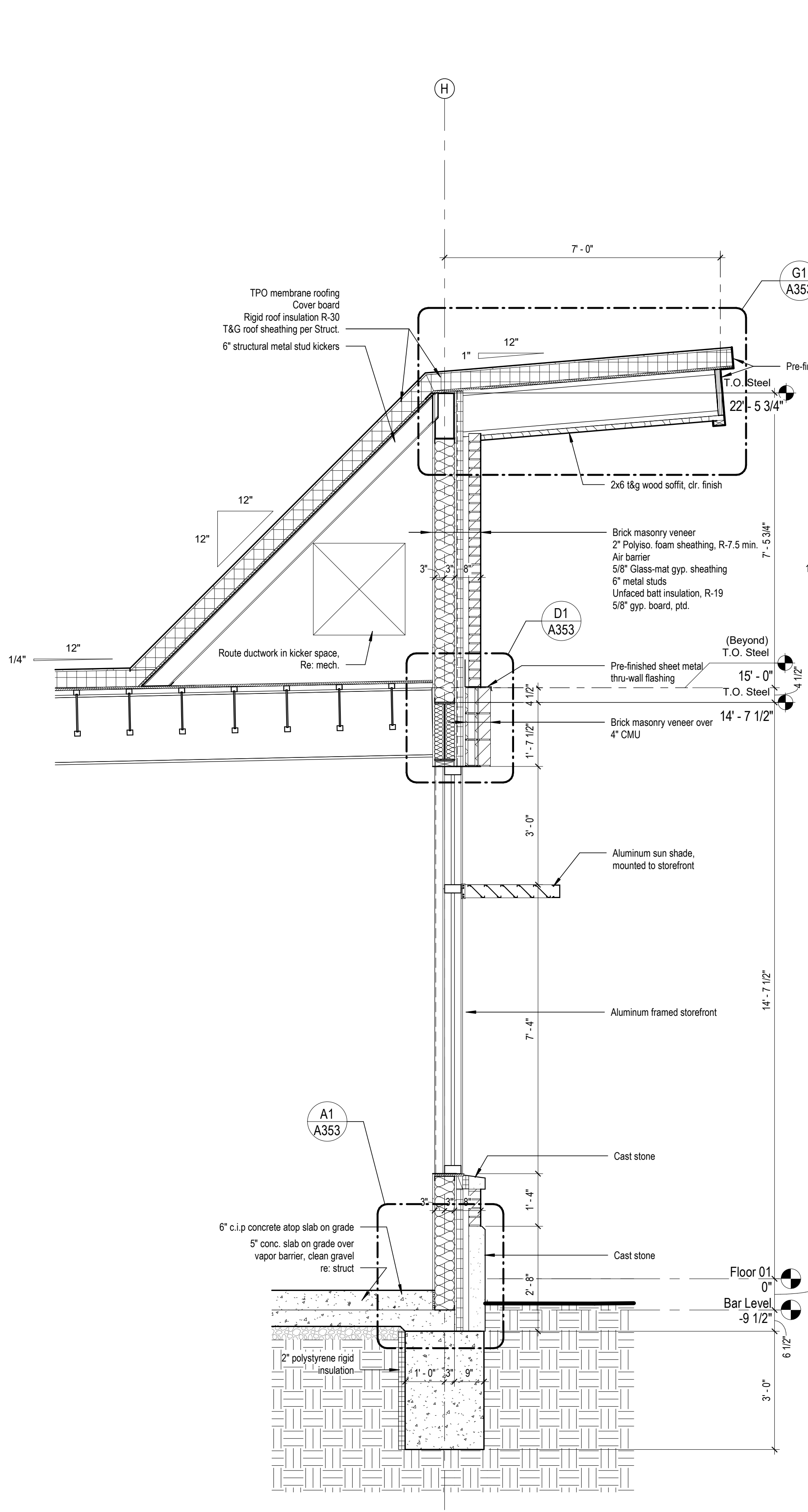
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Wall Sections

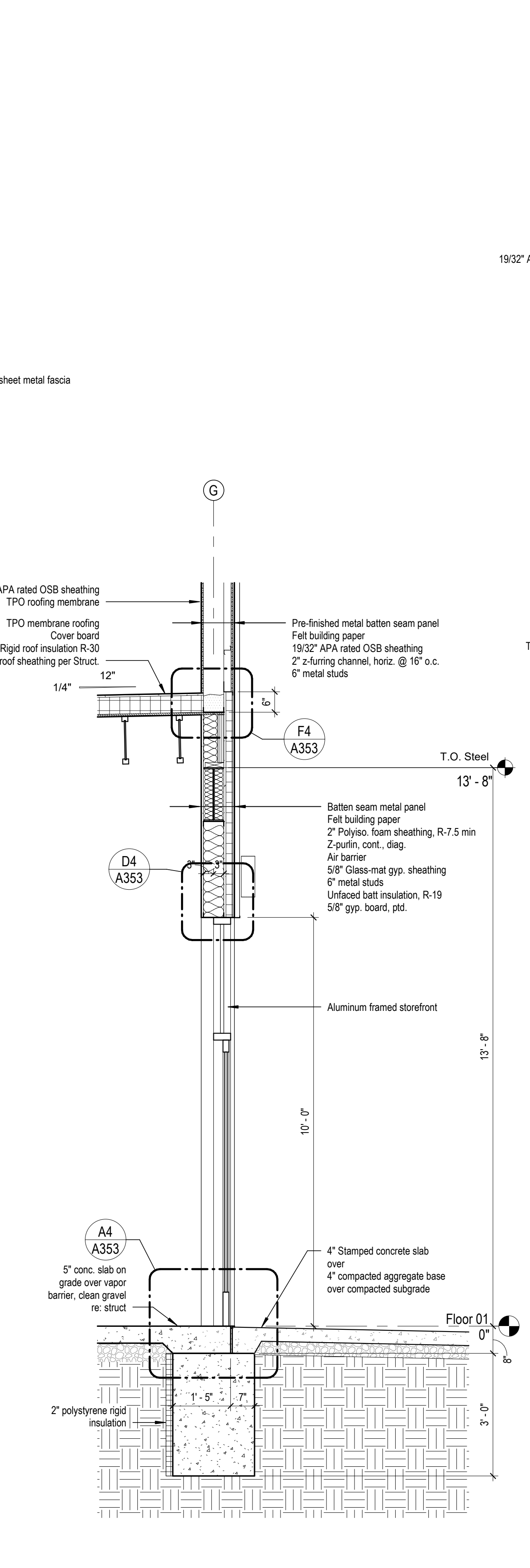


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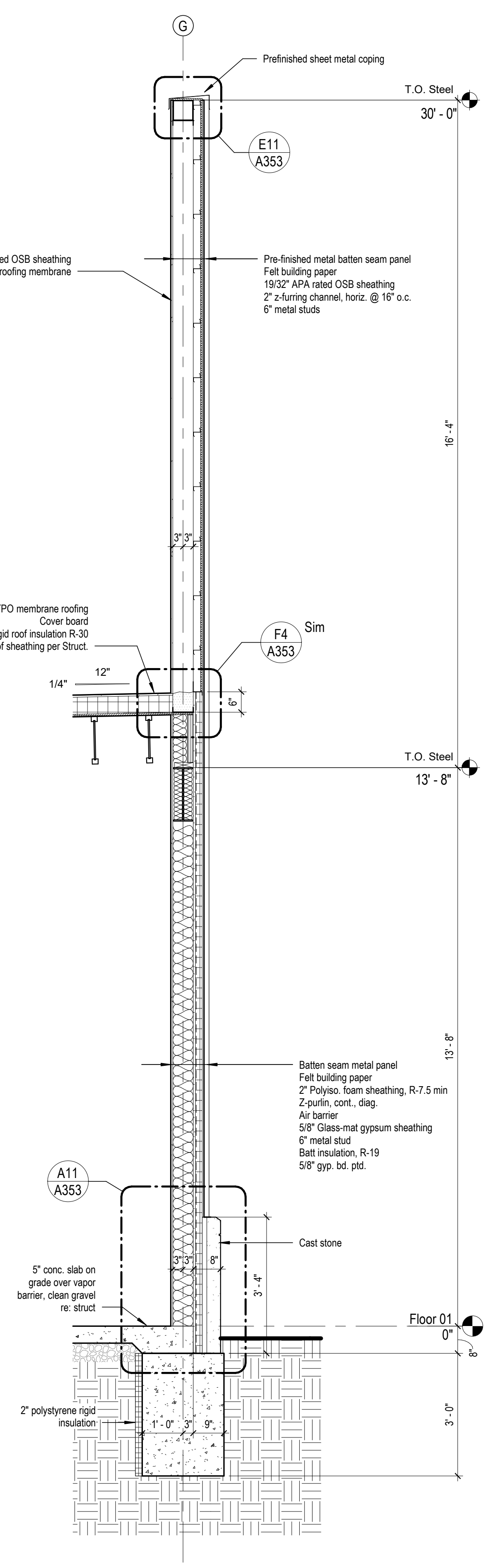
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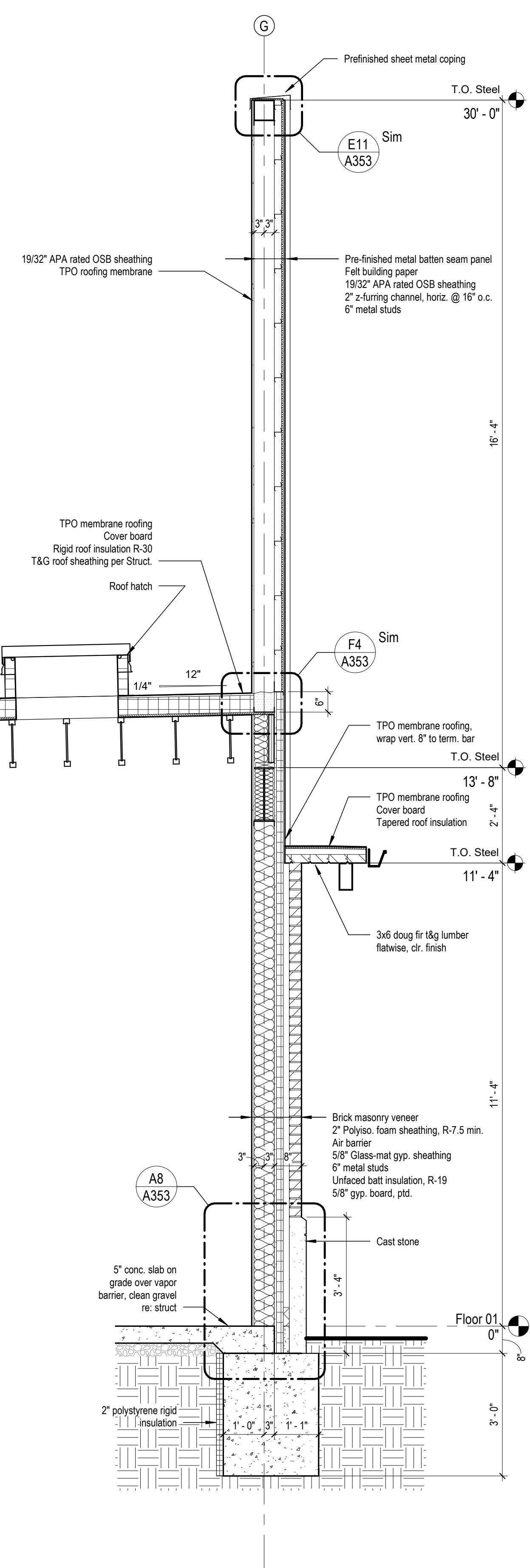
A1 Wall Section
1/2" = 1'-0"



A5 Wall Section
1/2" = 1'-0"



A8 Wall Section
1/2" = 1'-0"



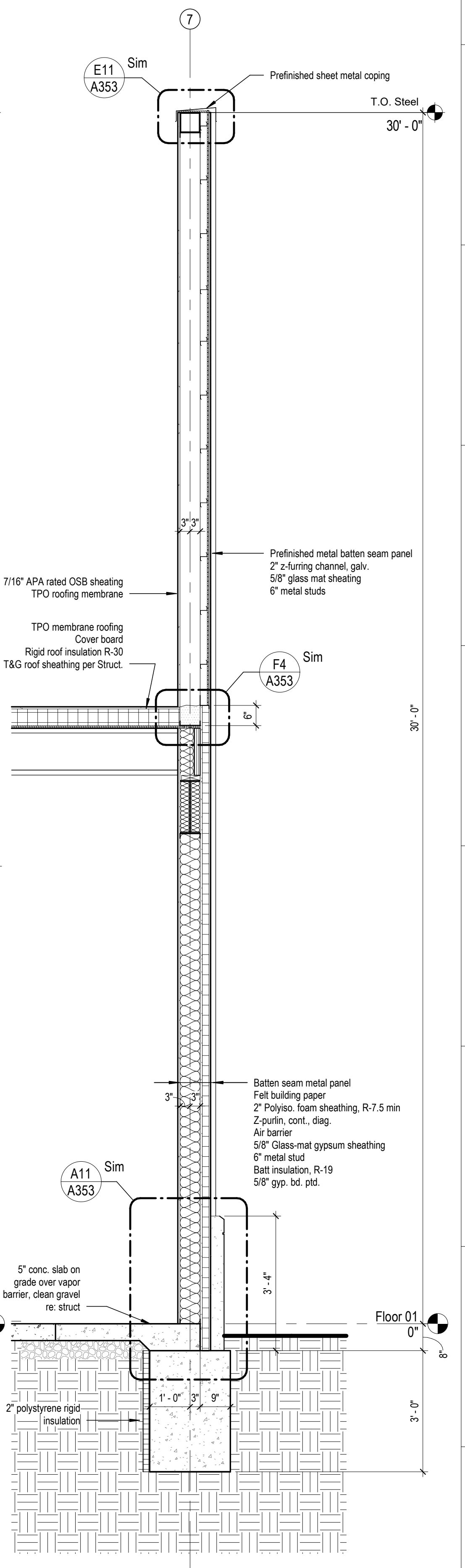
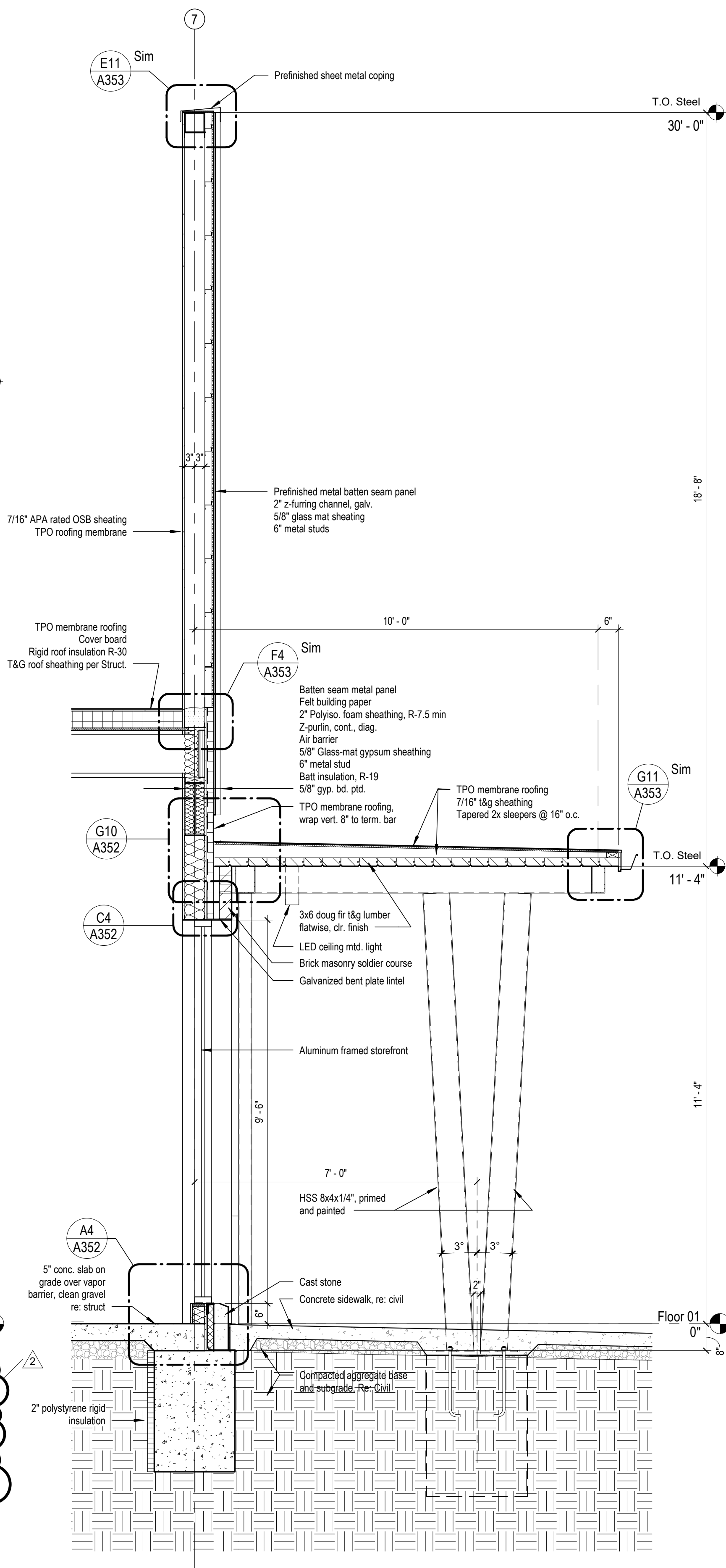
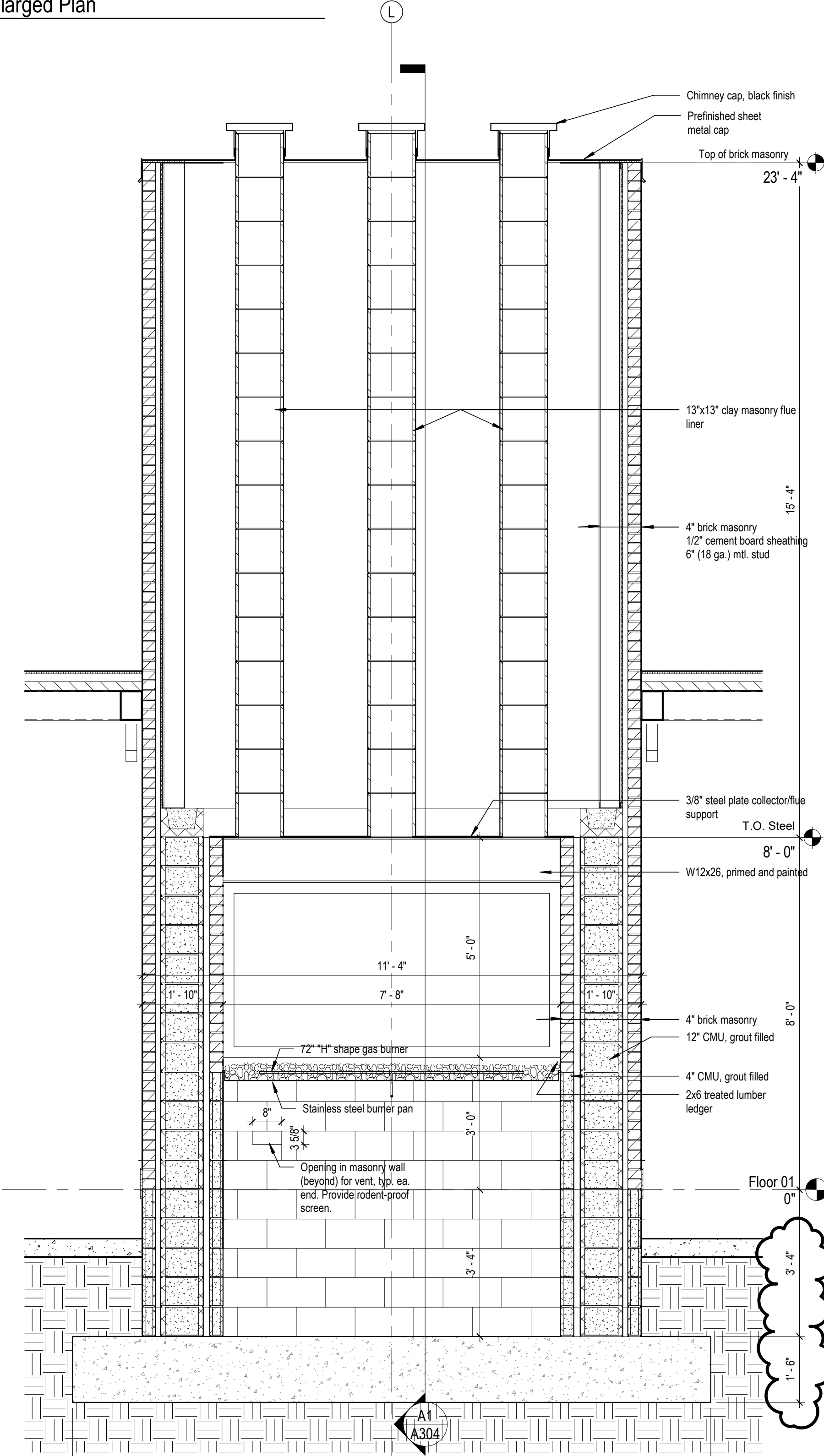
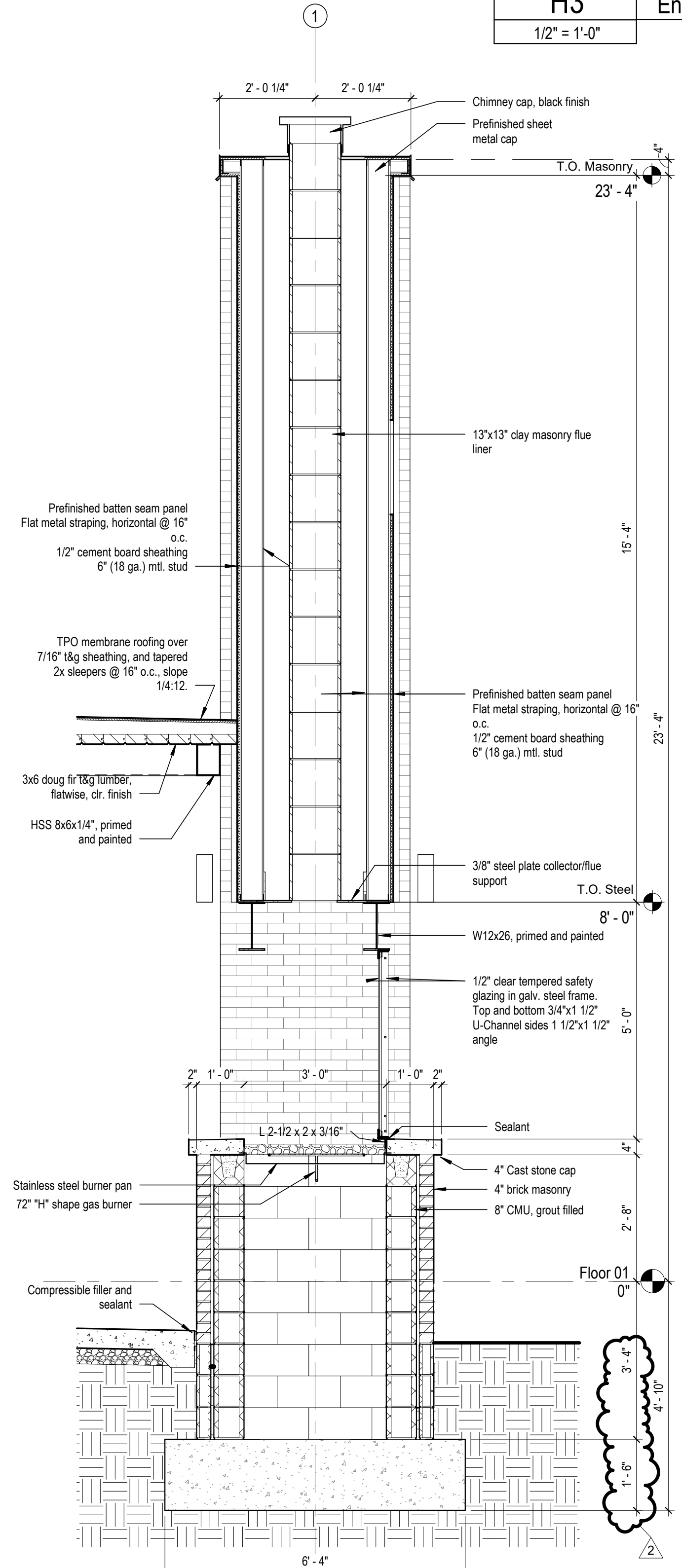
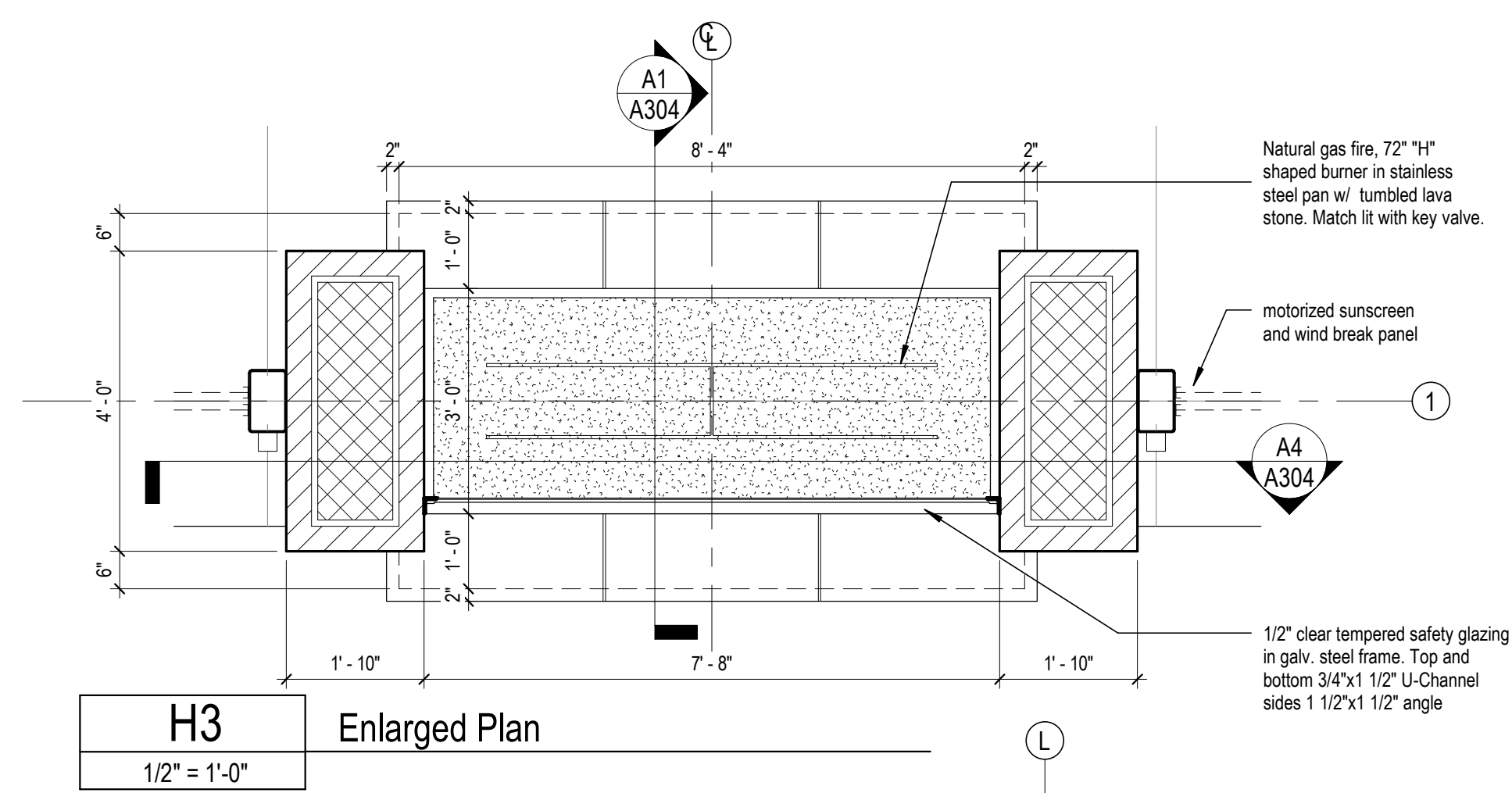
A11 Wall Section
1/2" = 1'-0"

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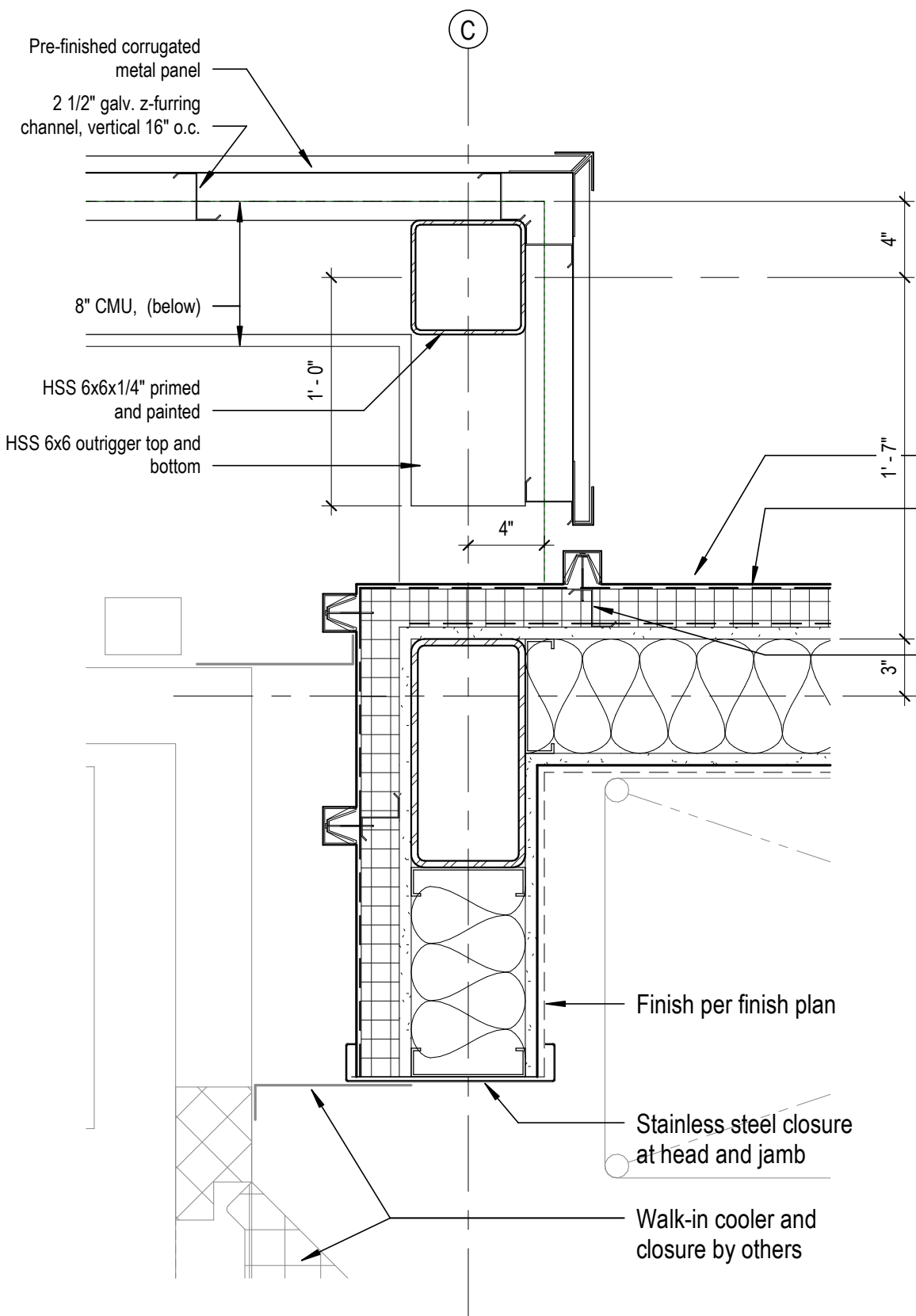


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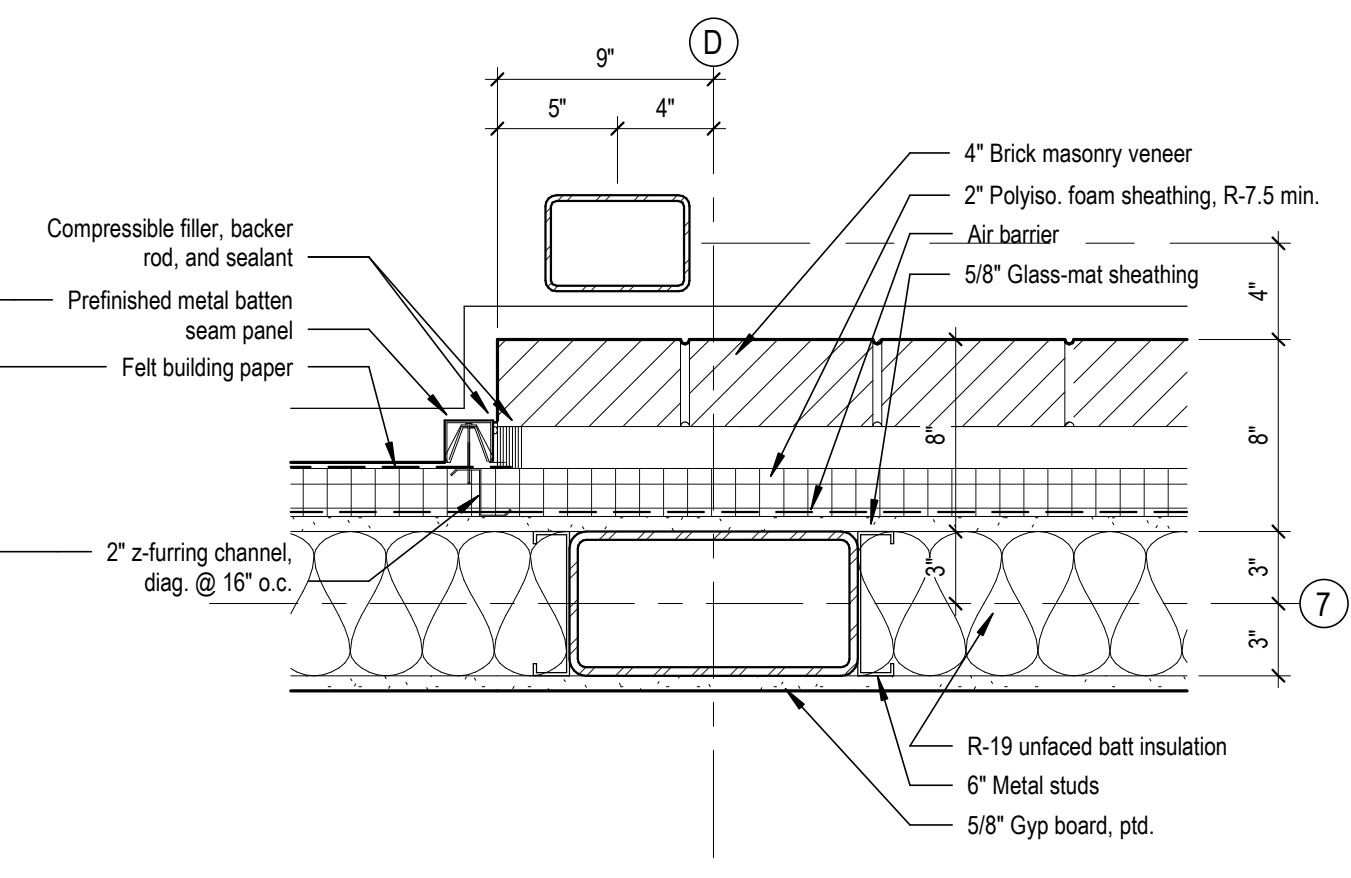


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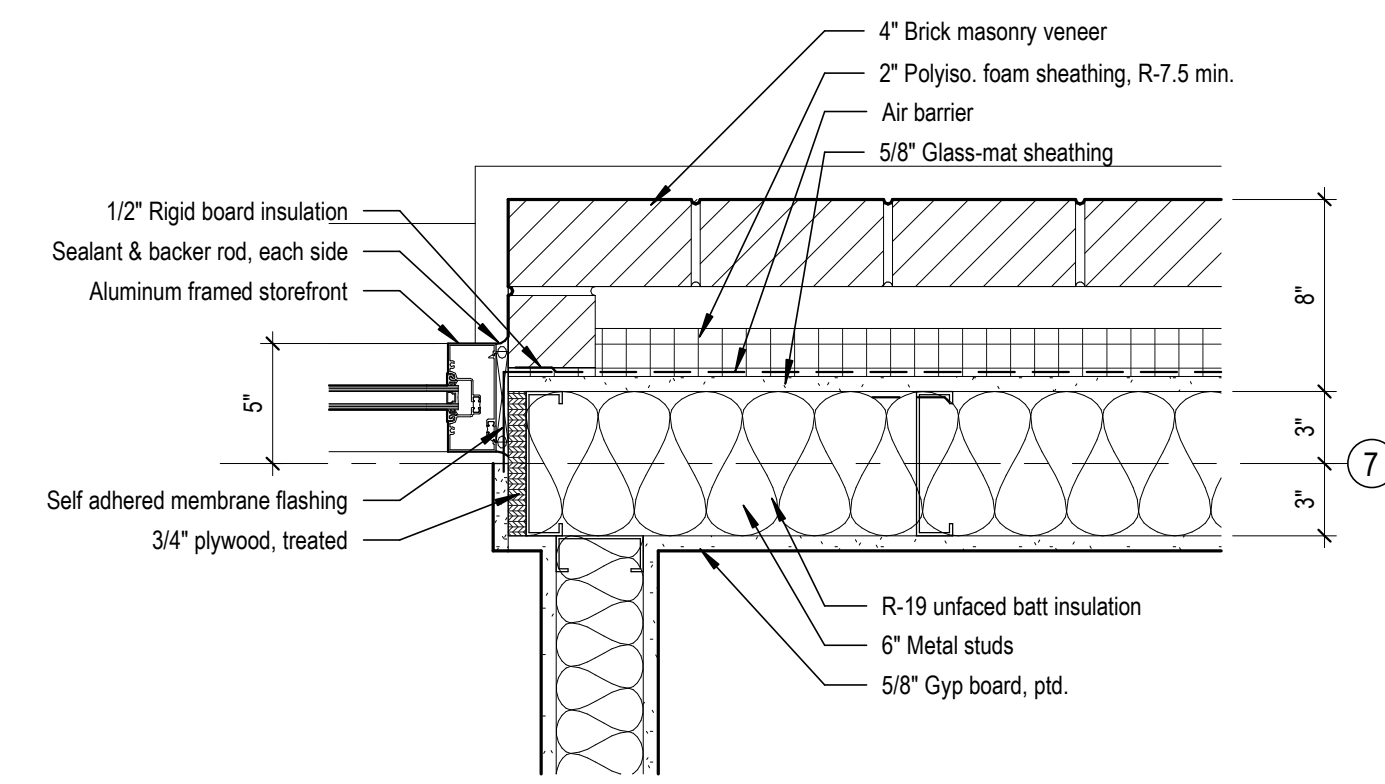
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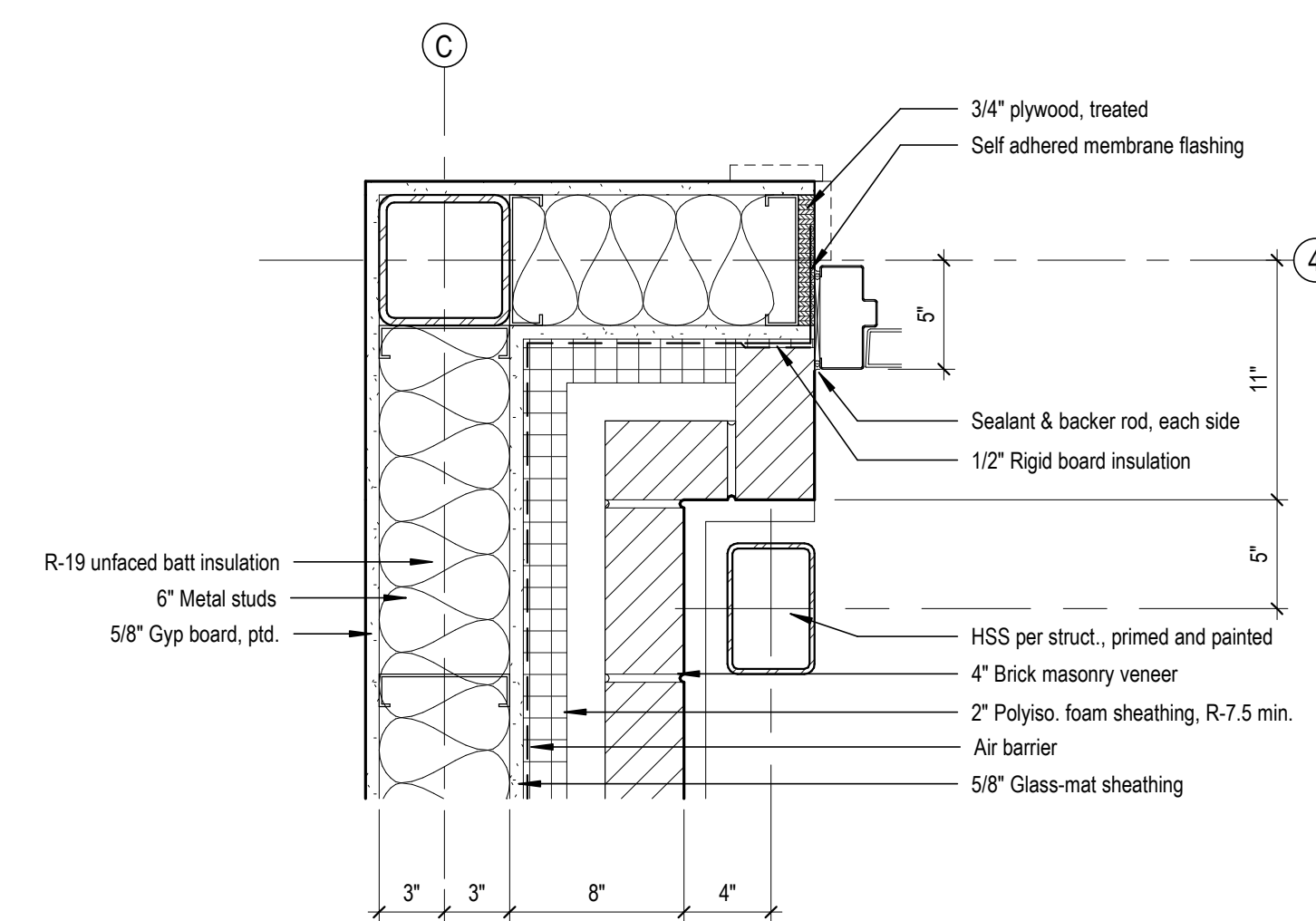
F1 Plan Detail
1 1/2" = 1'-0"



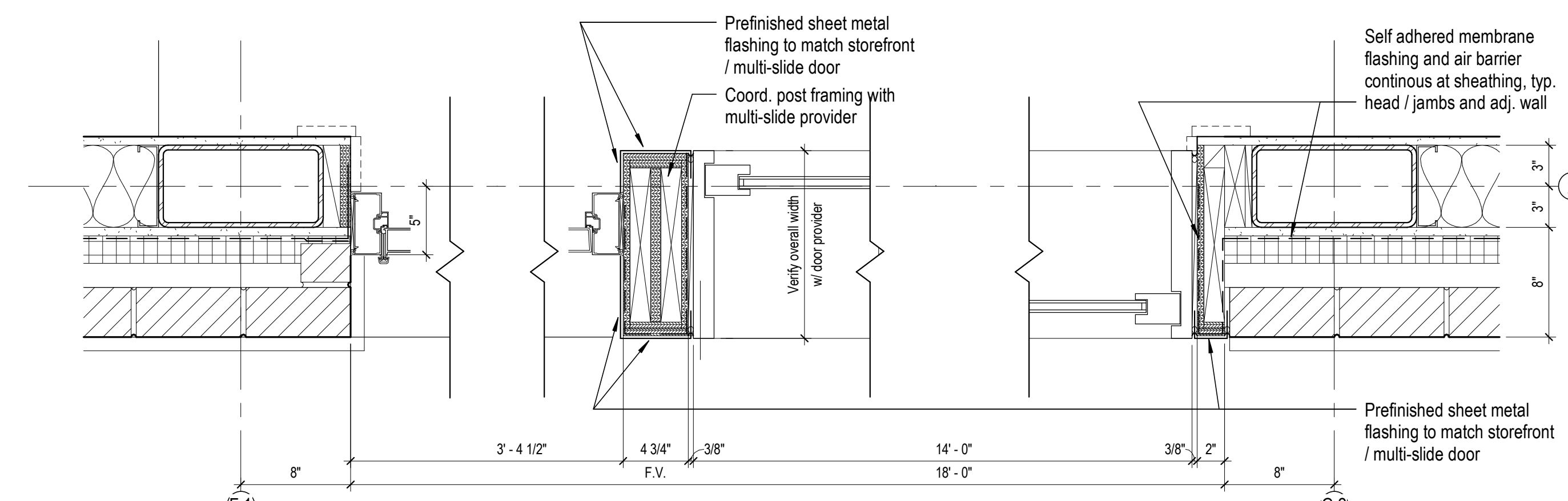
F4 Plan Detail
1 1/2" = 1'-0"



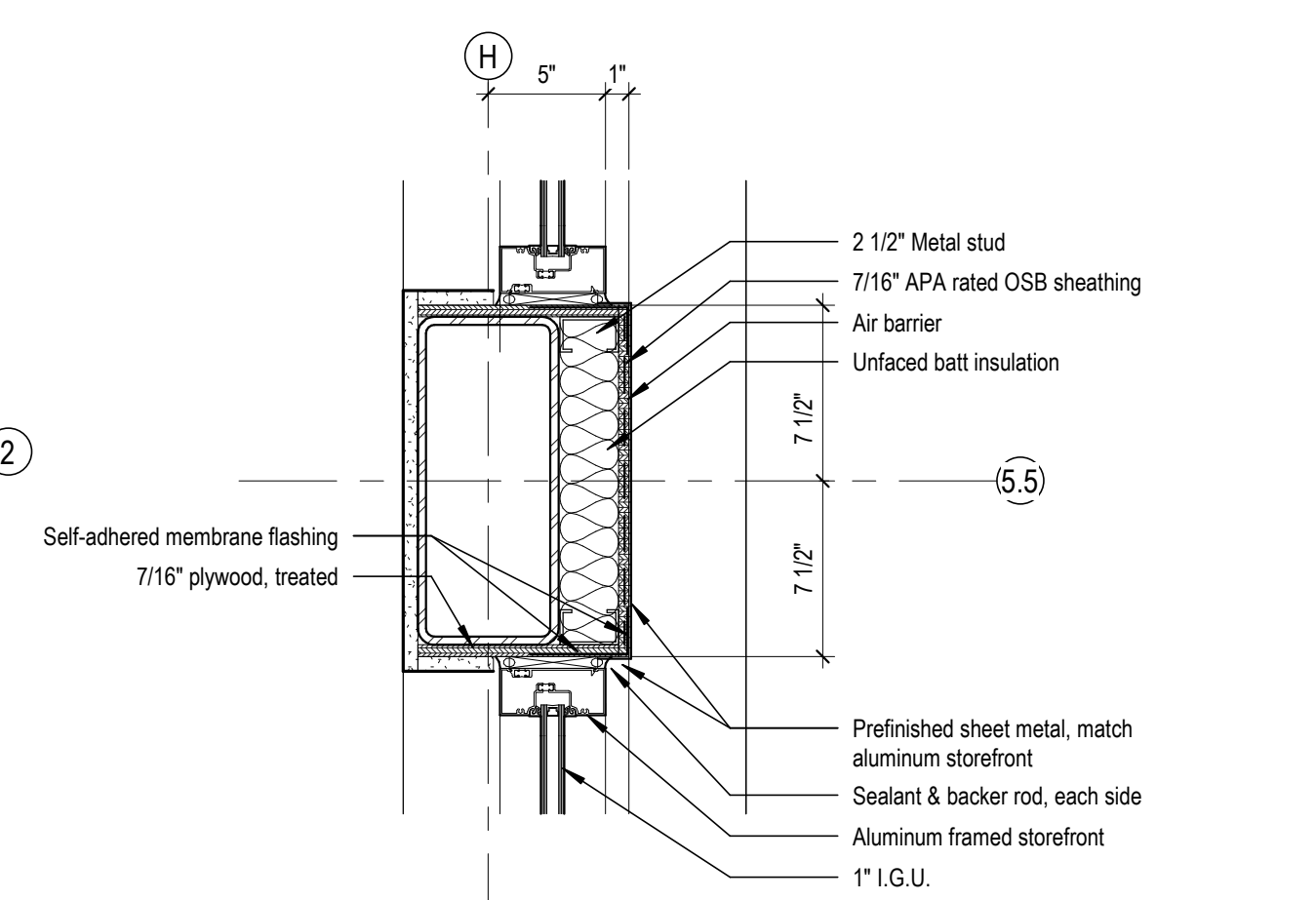
F7 Plan Detail
1 1/2" = 1'-0"



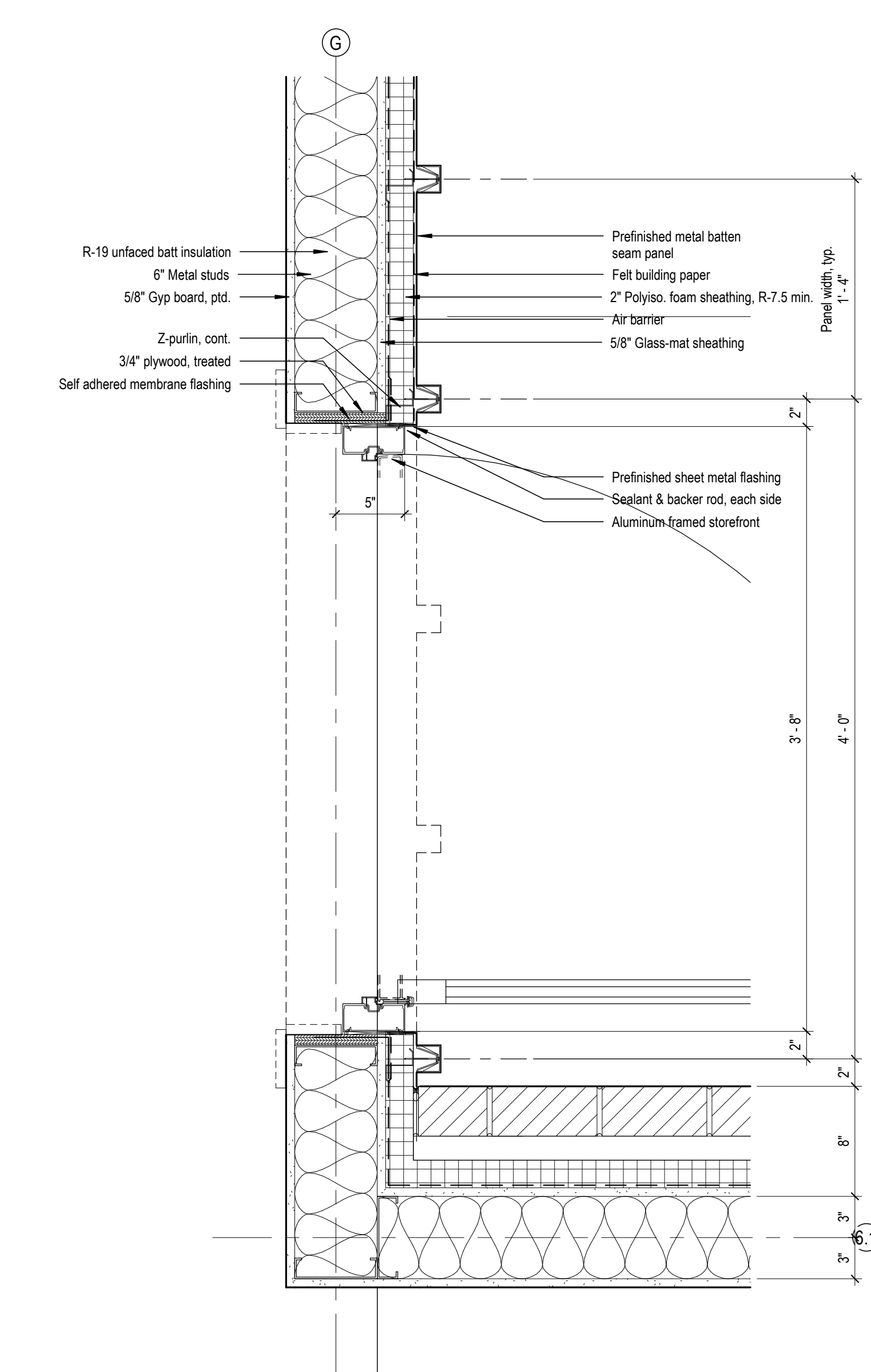
F10 Plan Detail
1 1/2" = 1'-0"



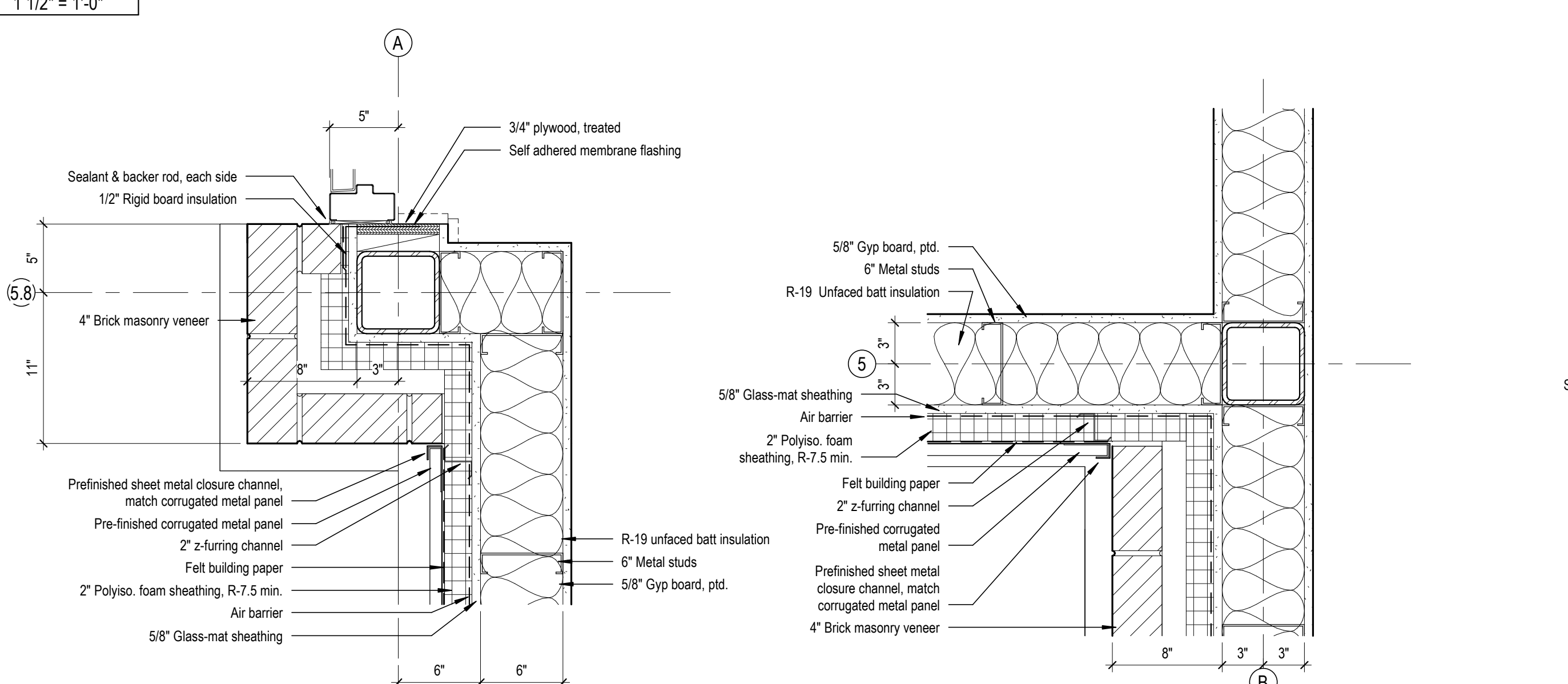
D1 Plan Detail
1 1/2" = 1'-0"



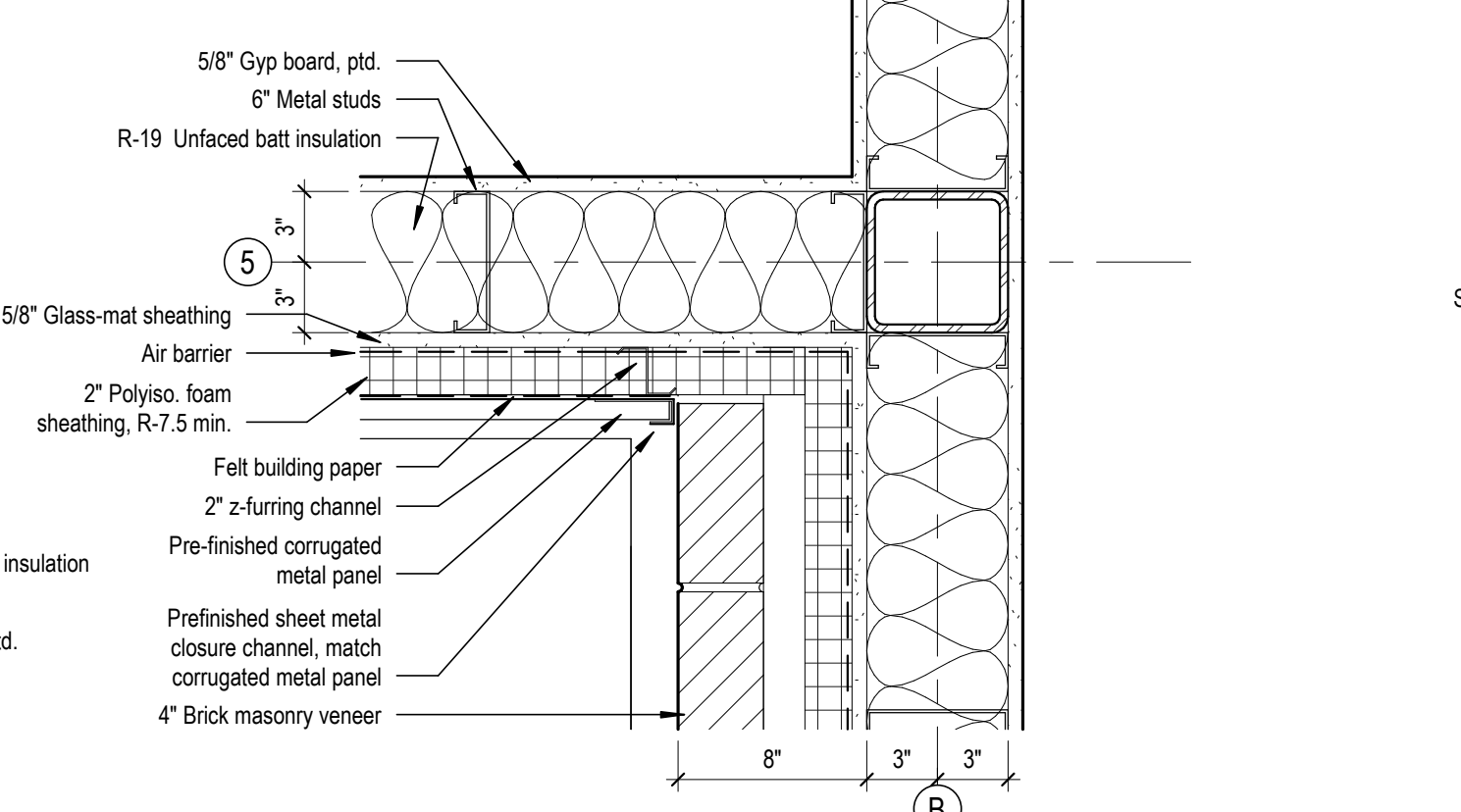
D7 Plan Detail
1 1/2" = 1'-0"



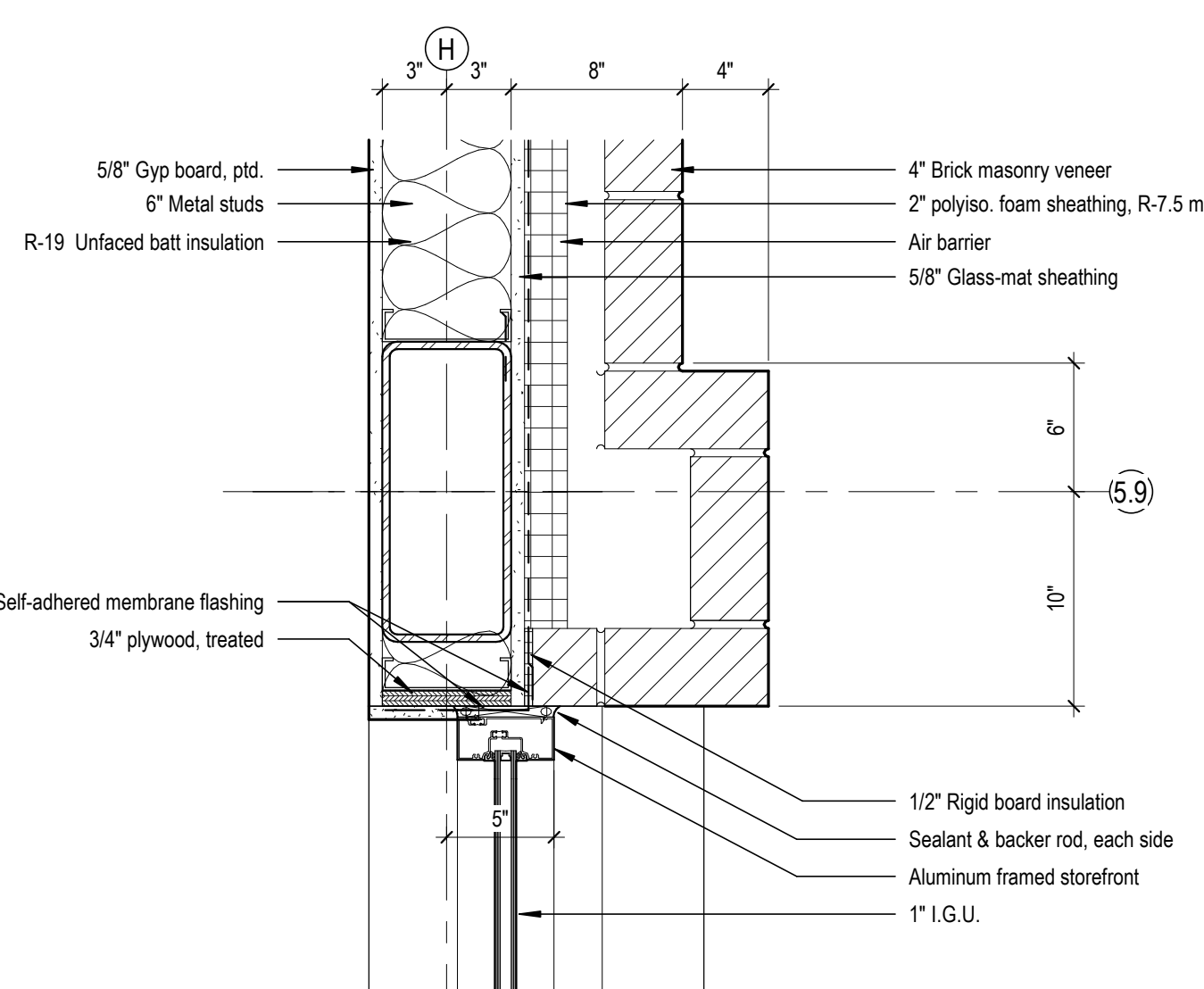
A10 Plan Detail
1 1/2" = 1'-0"



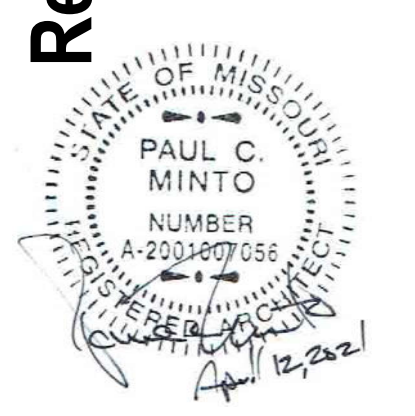
A1 Plan Detail
1 1/2" = 1'-0"



A4 Plan Detail
1 1/2" = 1'-0"



A7 Plan Detail
1 1/2" = 1'-0"



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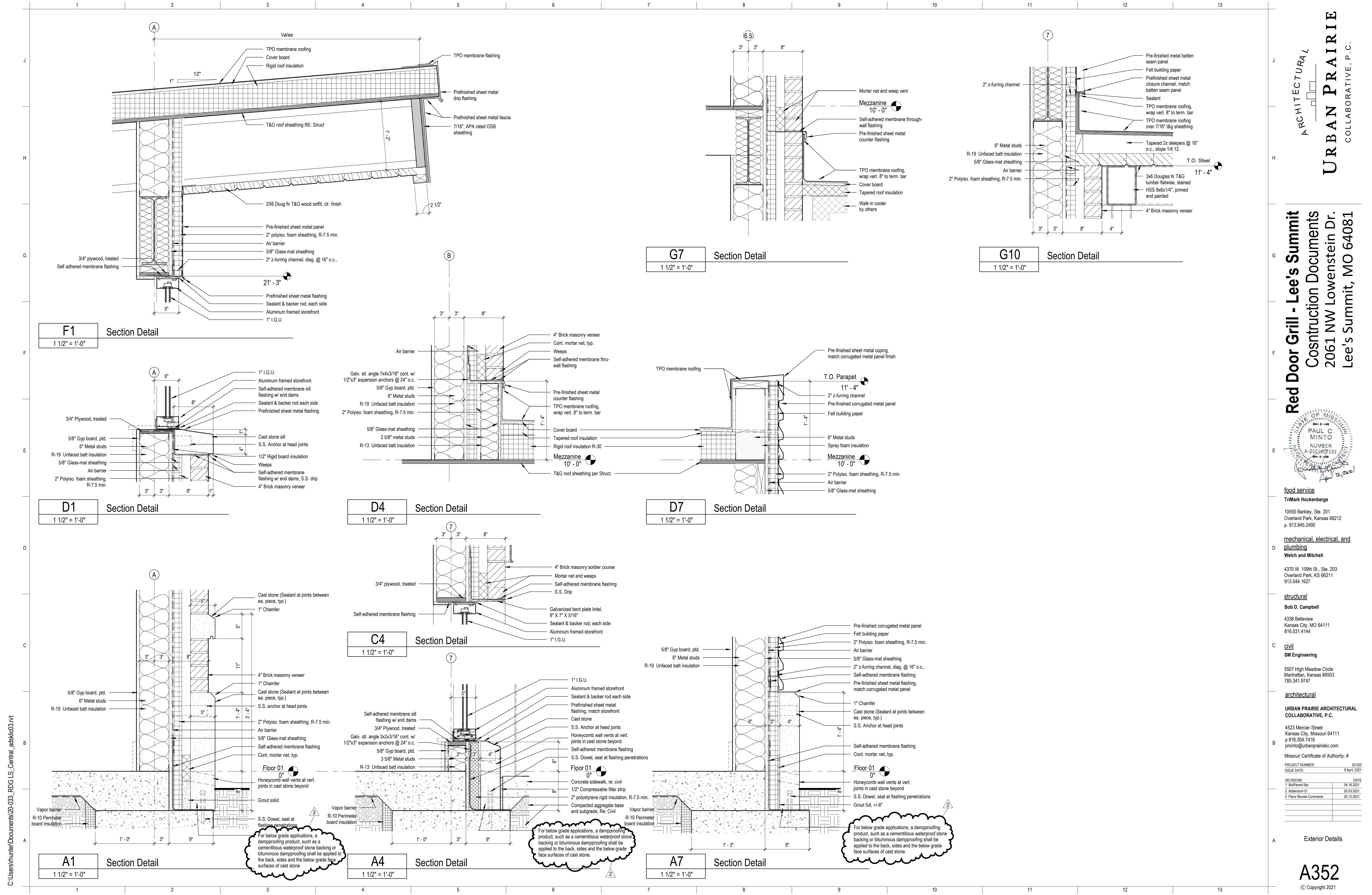
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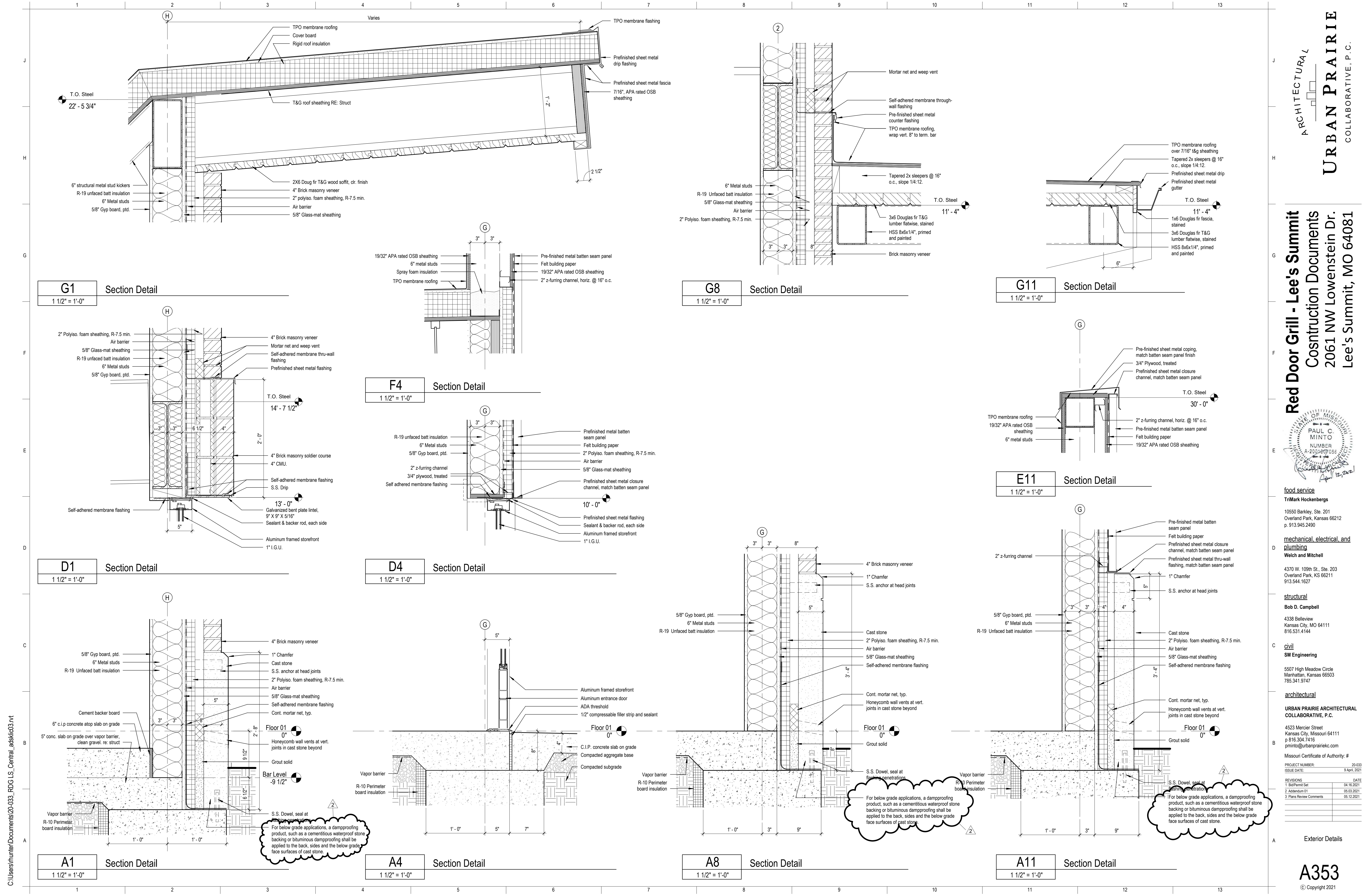
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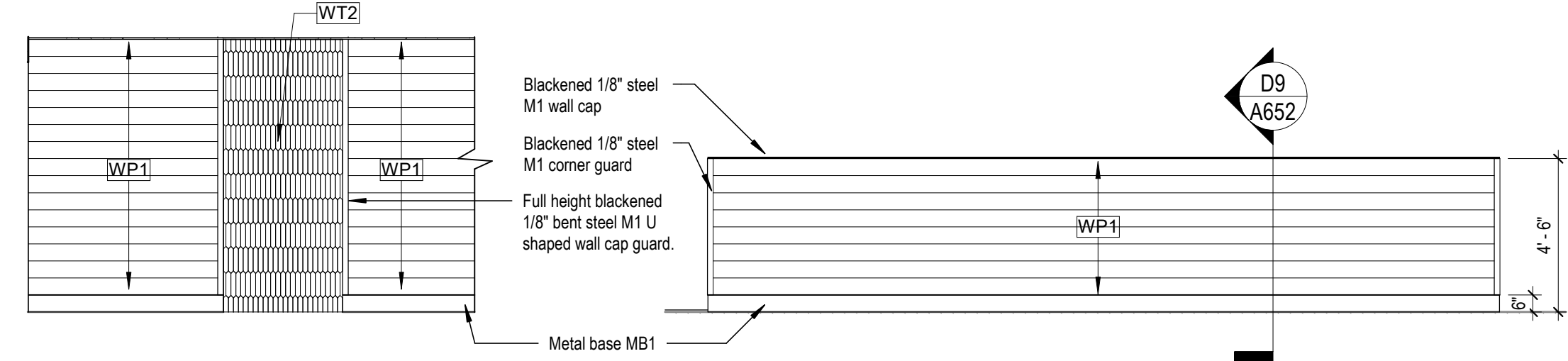
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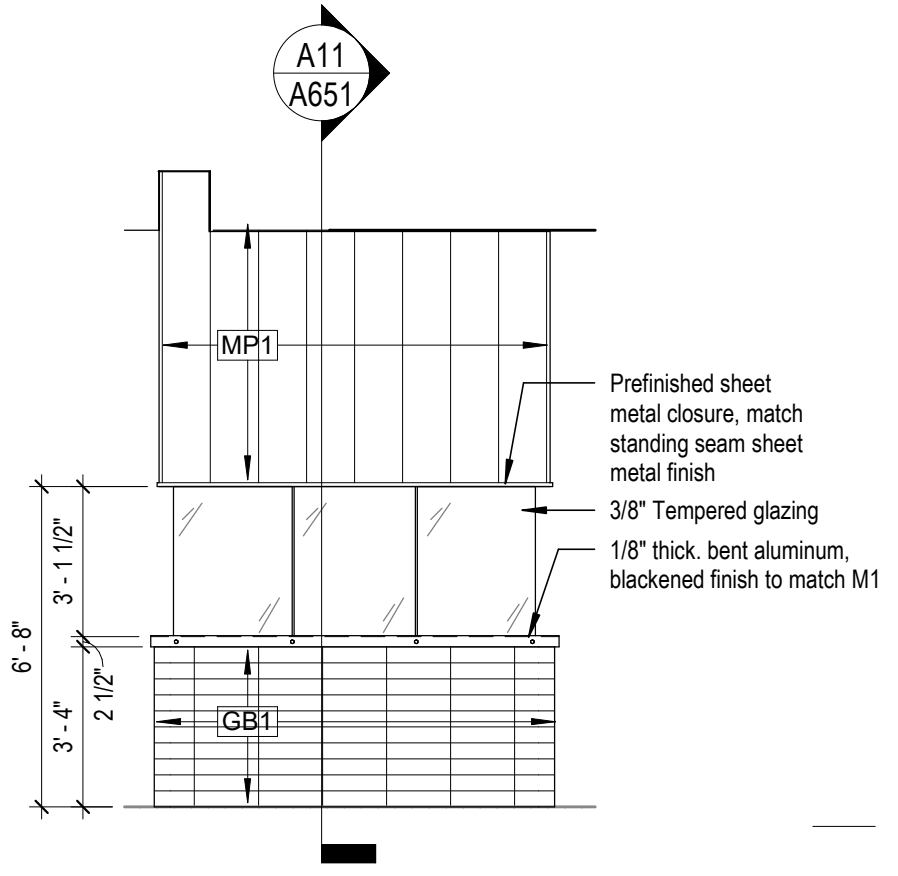
Exterior Details

A353
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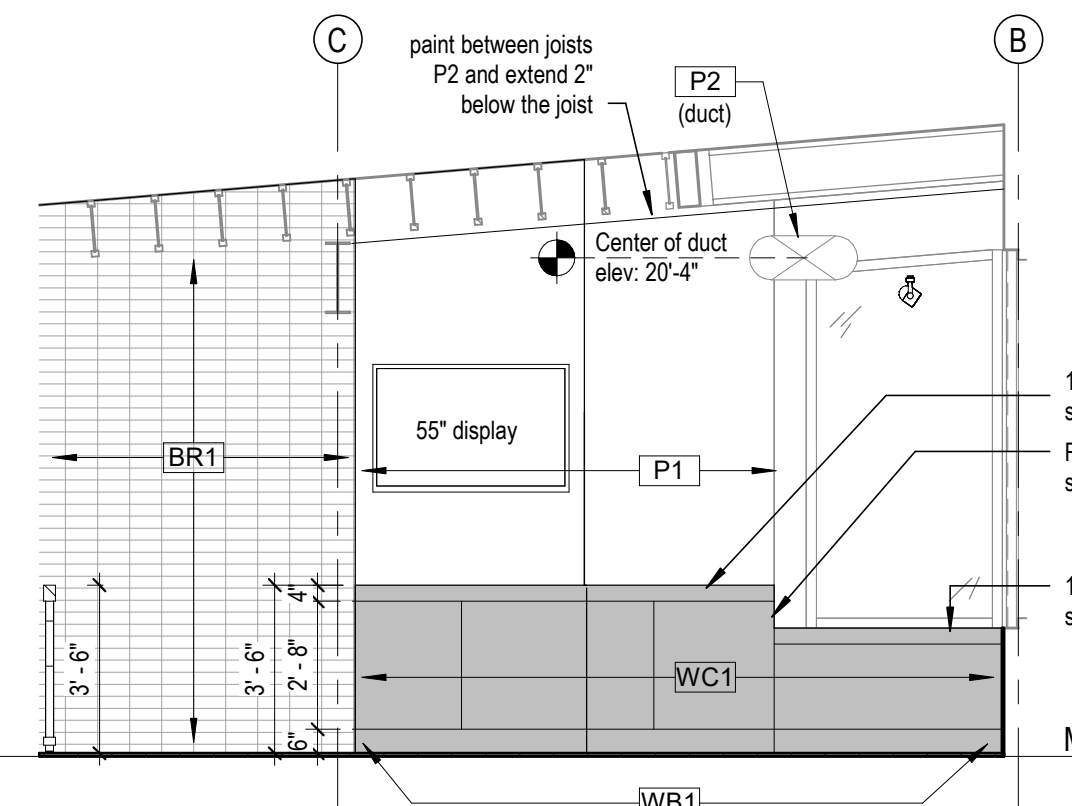
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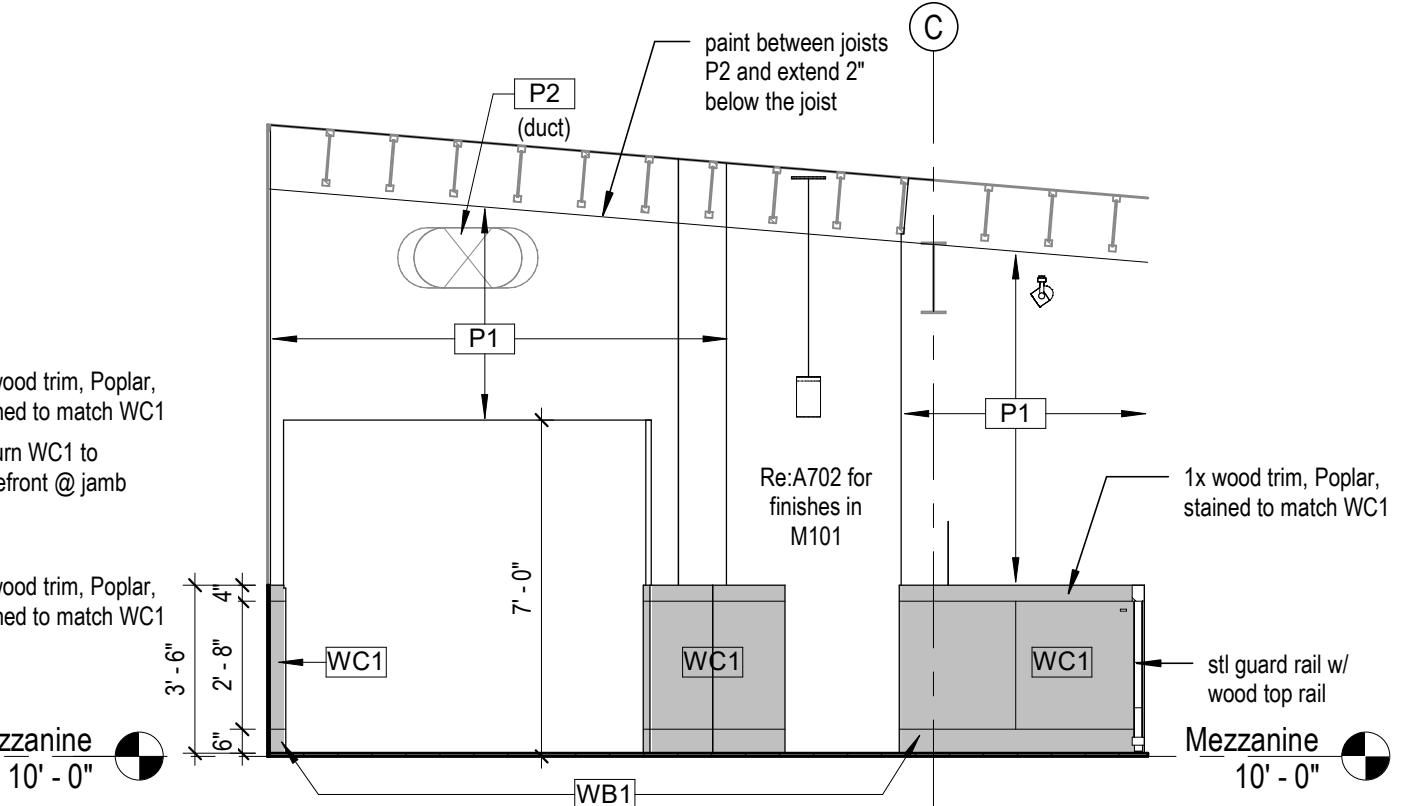
G1 Elevation @ Bathroom
1/4" = 1'-0"



G4 Elevation @ Partial Height Wall
1/4" = 1'-0"

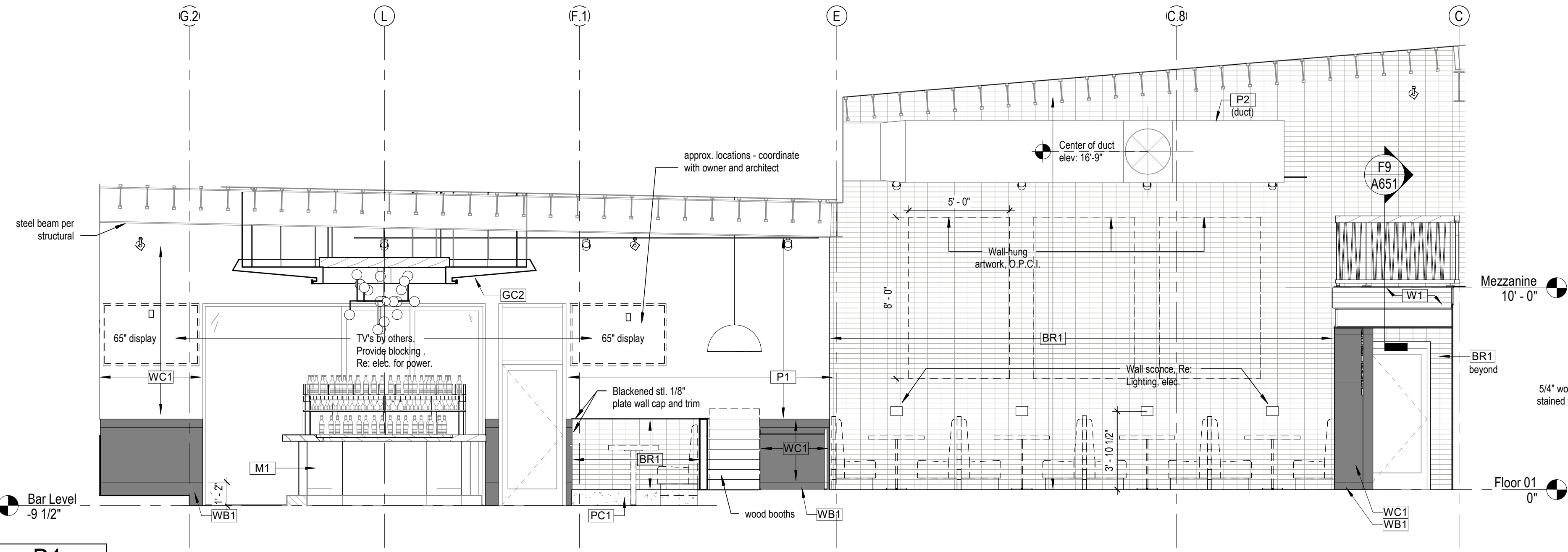


G6 Elevation @ Grill
1/4" = 1'-0"

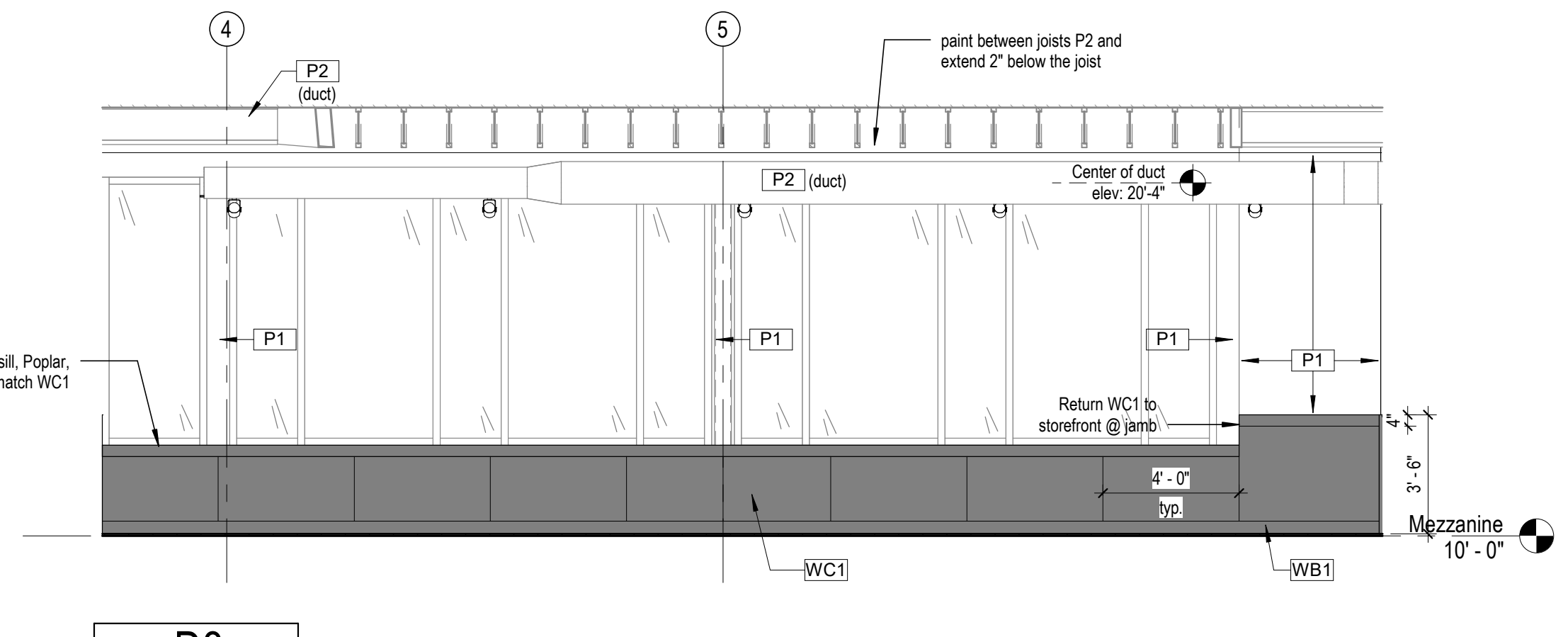


G8 Elevation @ Mezzanine, south
1/4" = 1'-0"

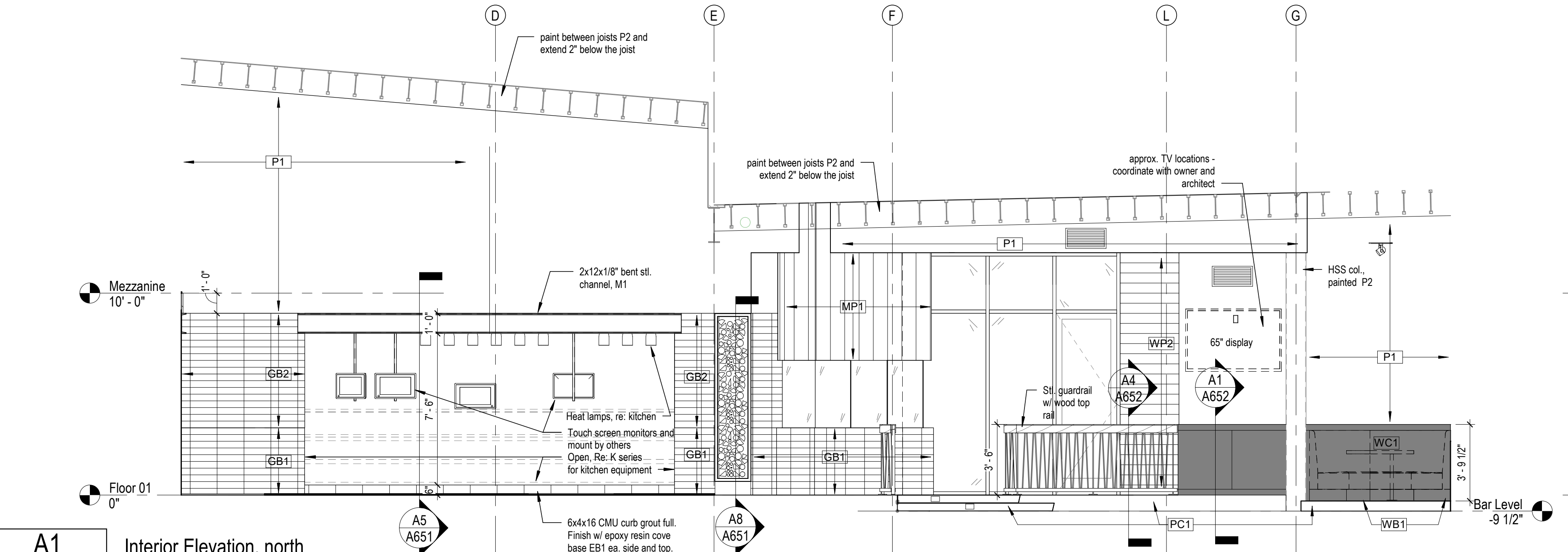
G11 Elevation - Mezzanine wait station
1/4" = 1'-0"



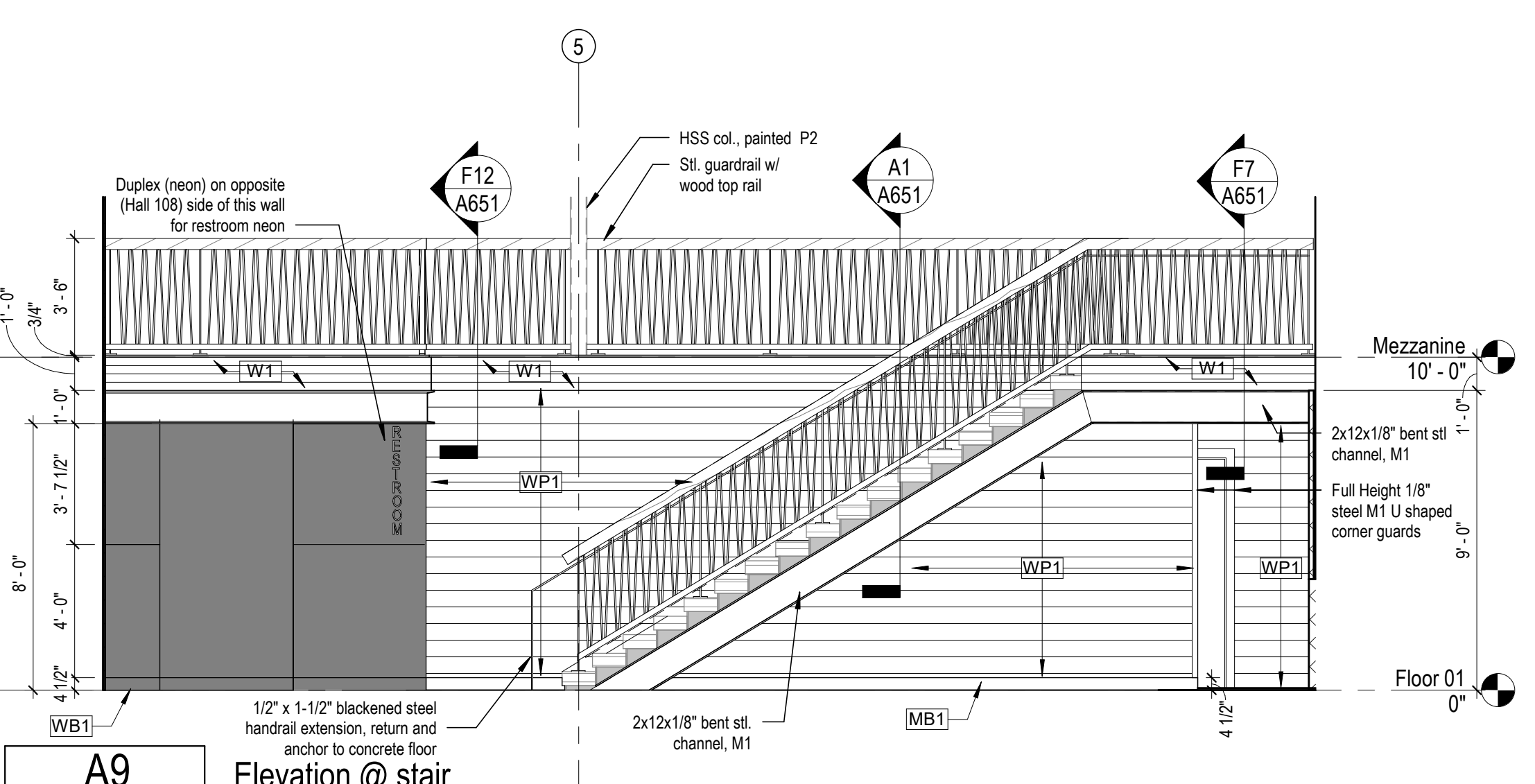
D1 Interior Elevation, south
1/4" = 1'-0"



D8 Elevation @ Mezzanine, west
1/4" = 1'-0"

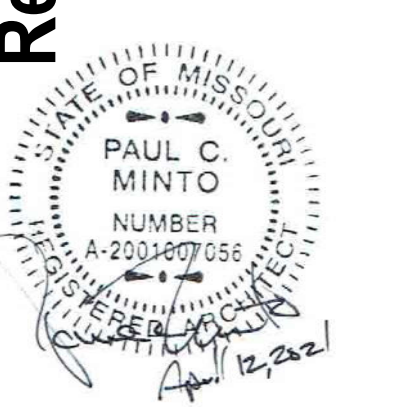


A1 Interior Elevation, north
1/4" = 1'-0"



A9 Elevation @ stair
1/4" = 1'-0"

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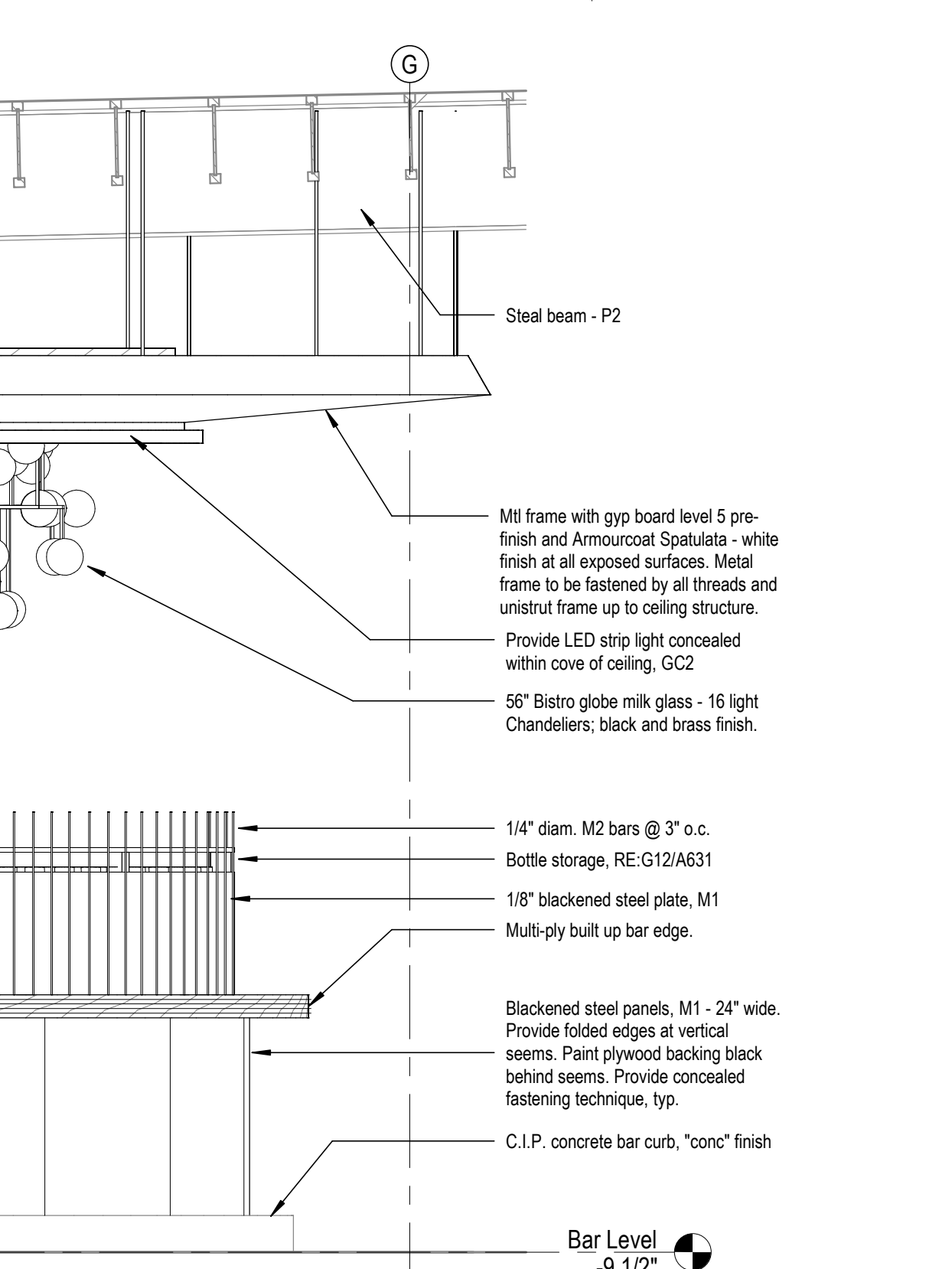
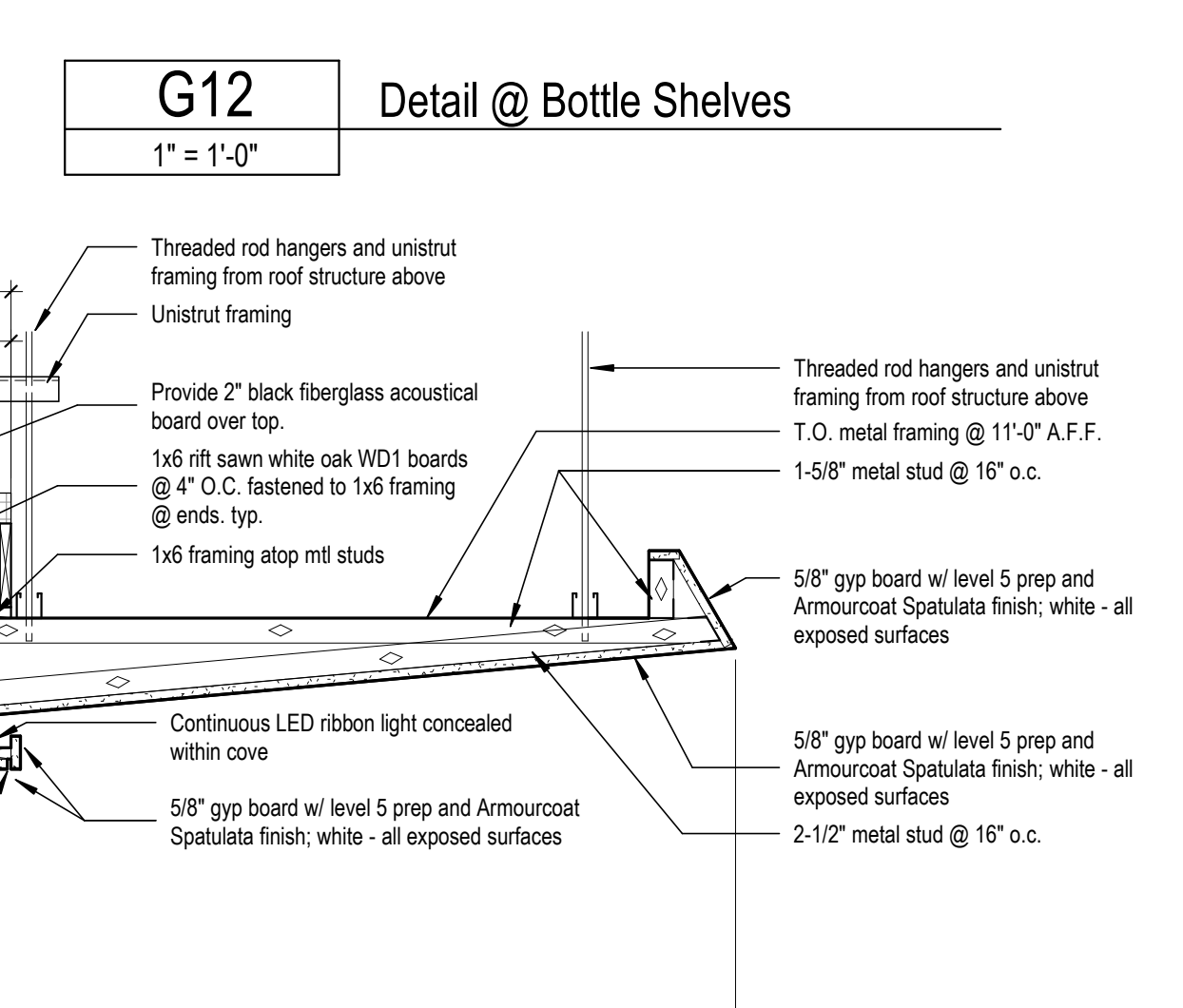
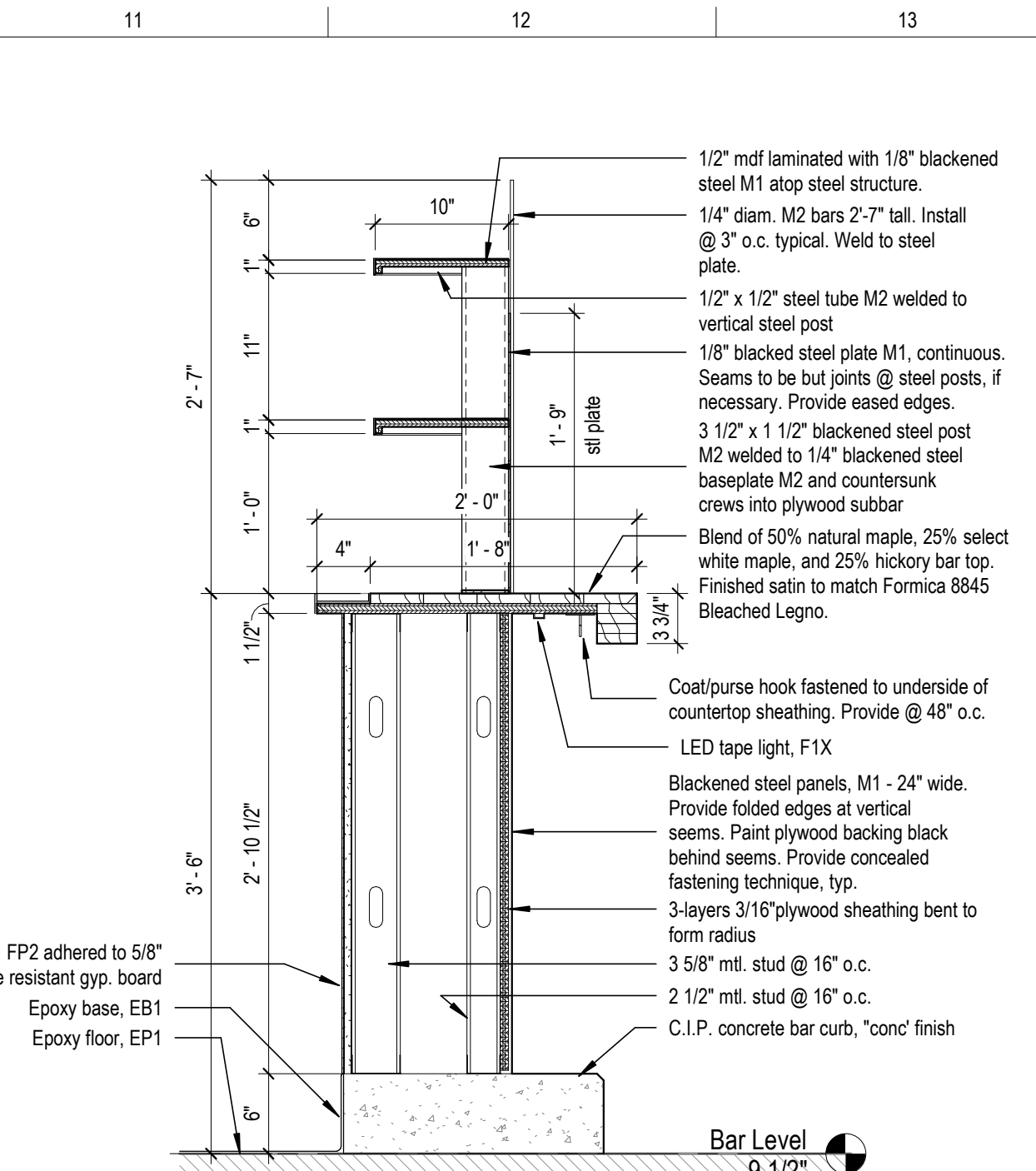
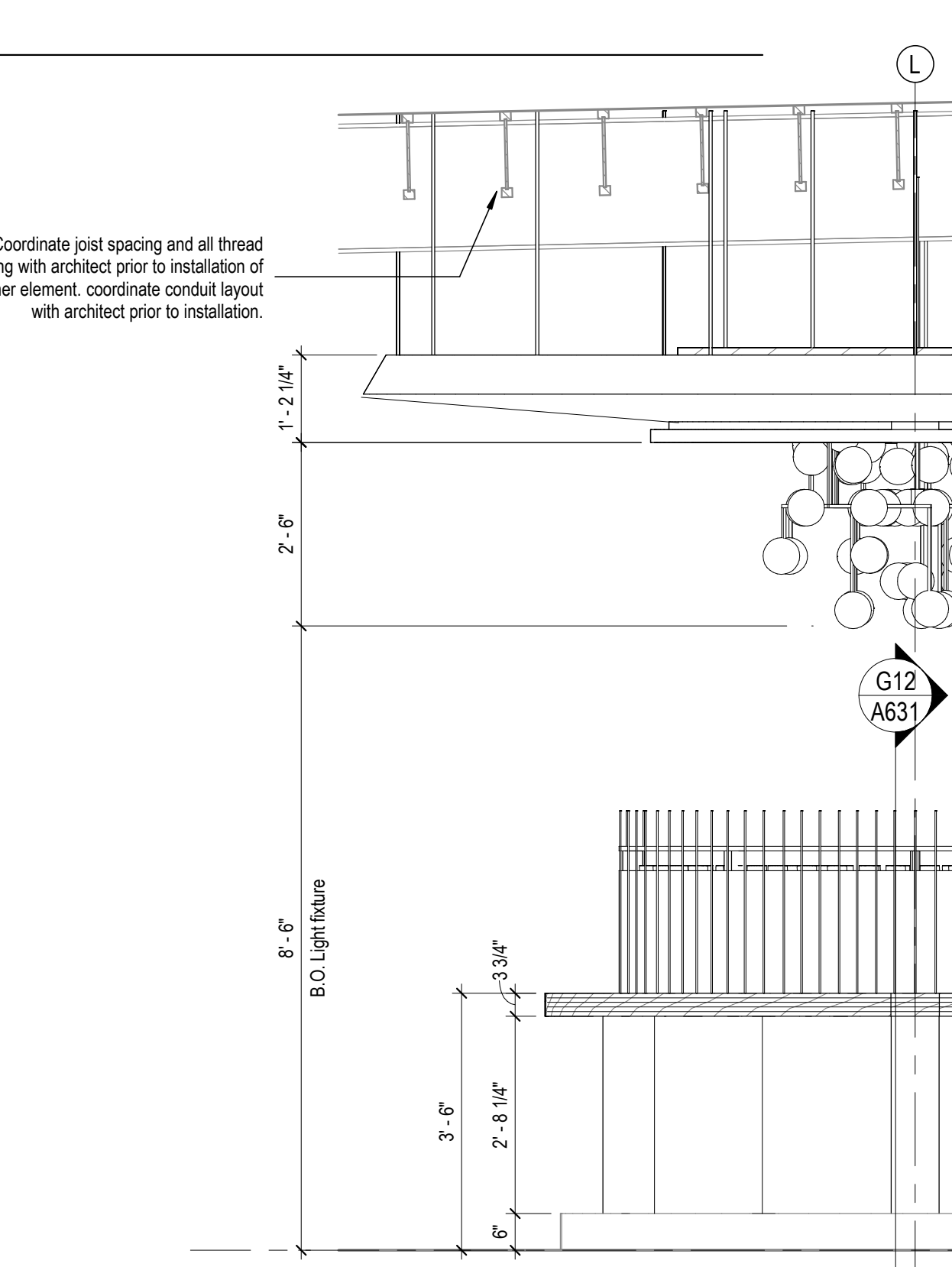
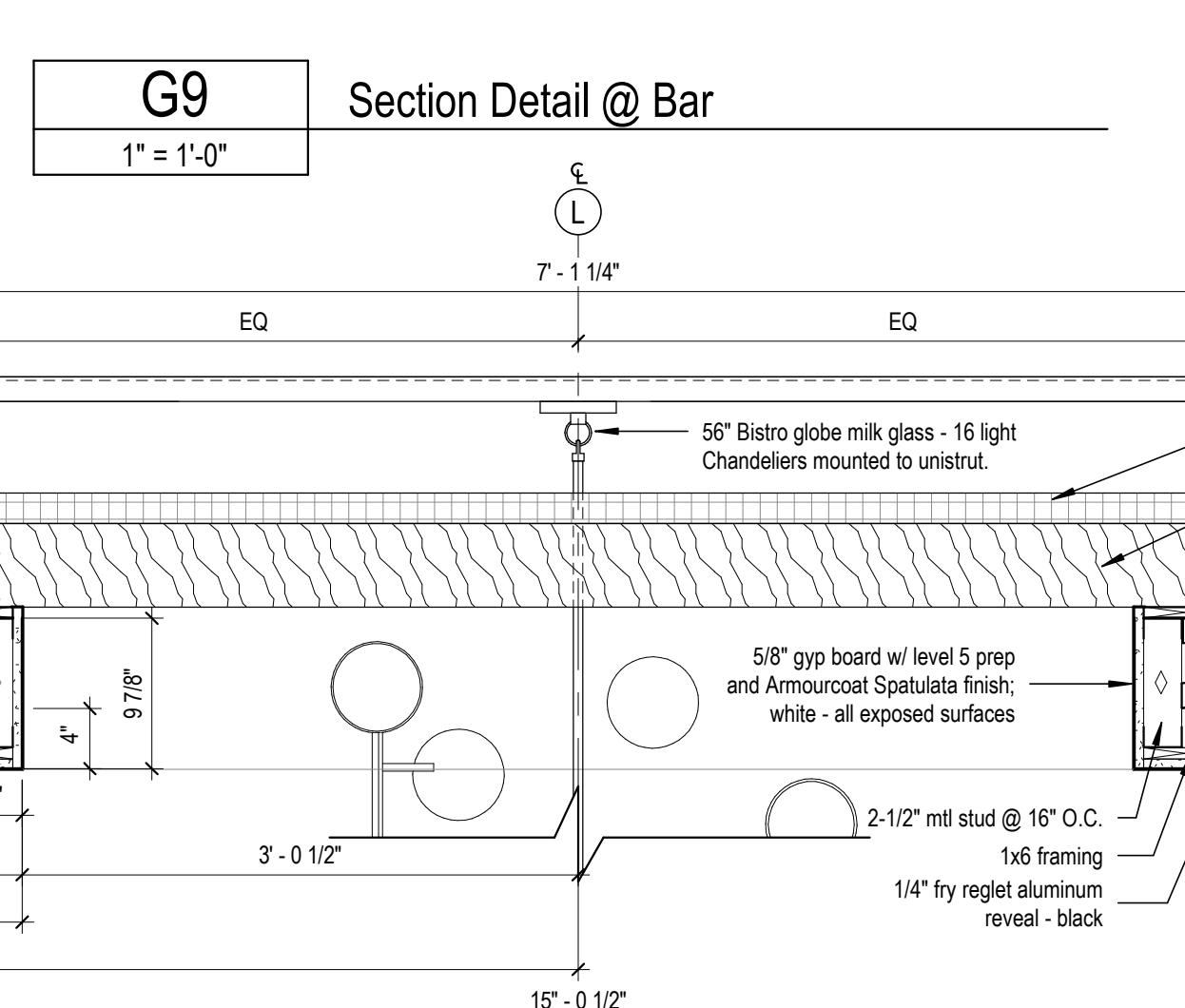
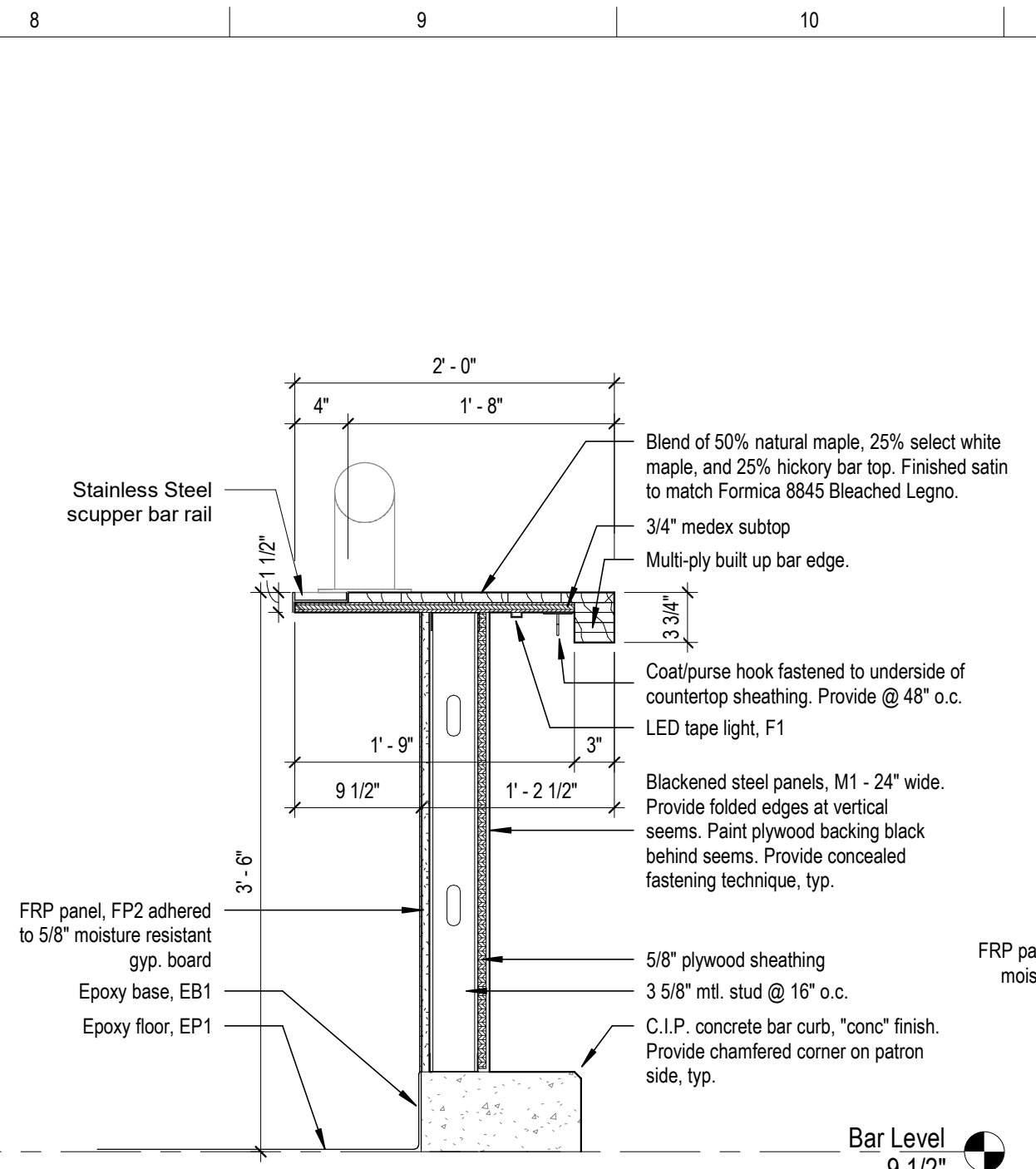
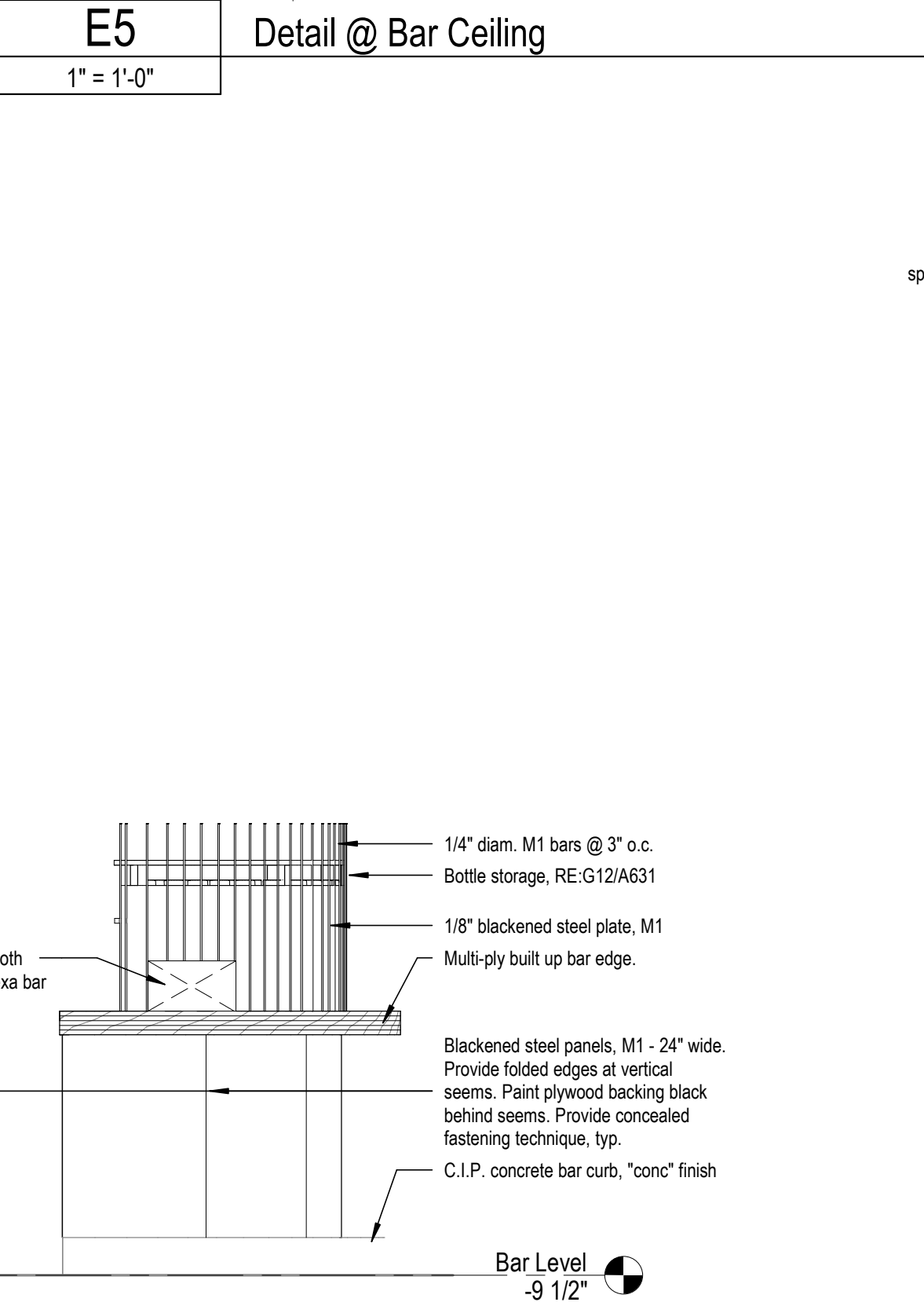
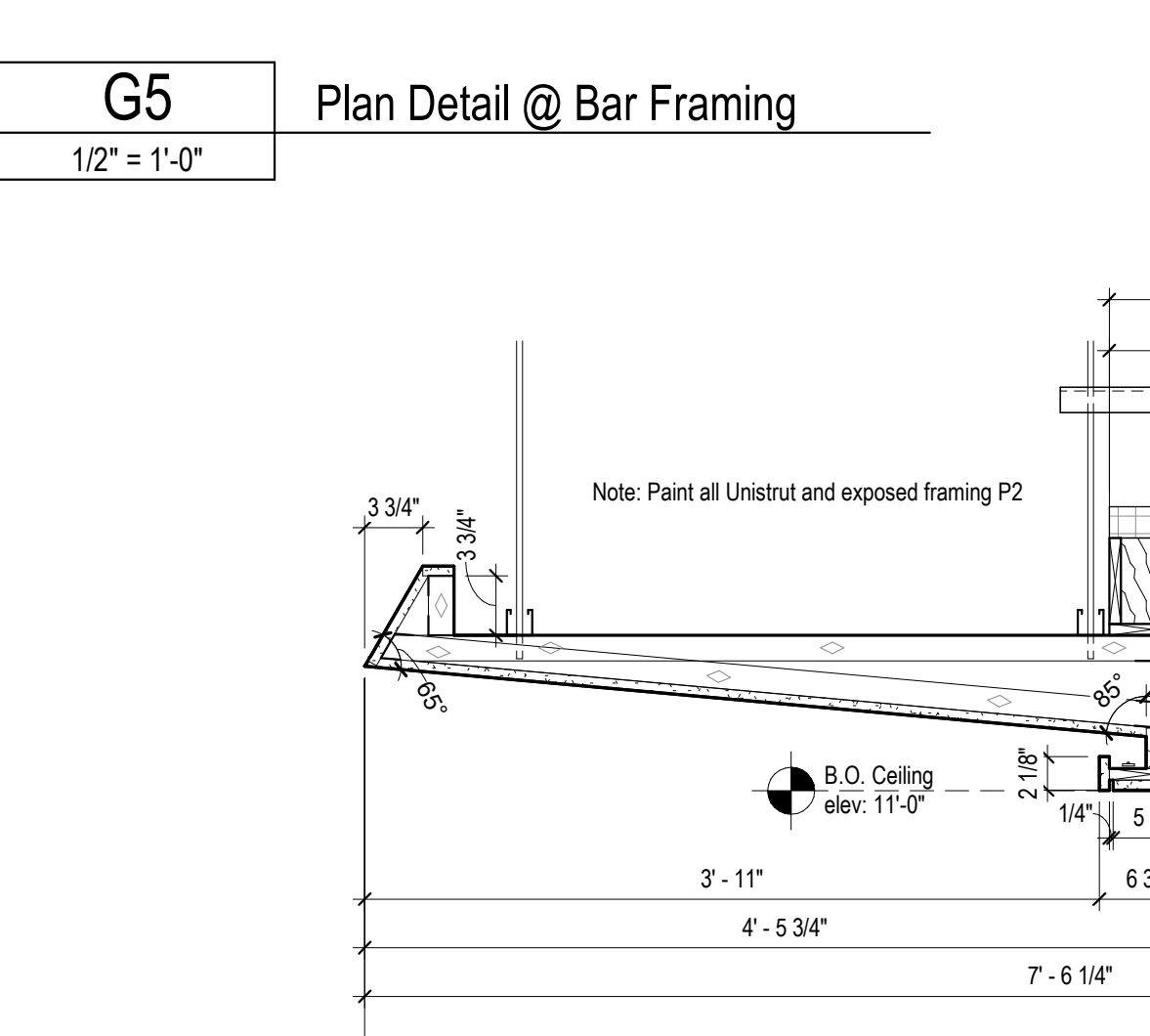
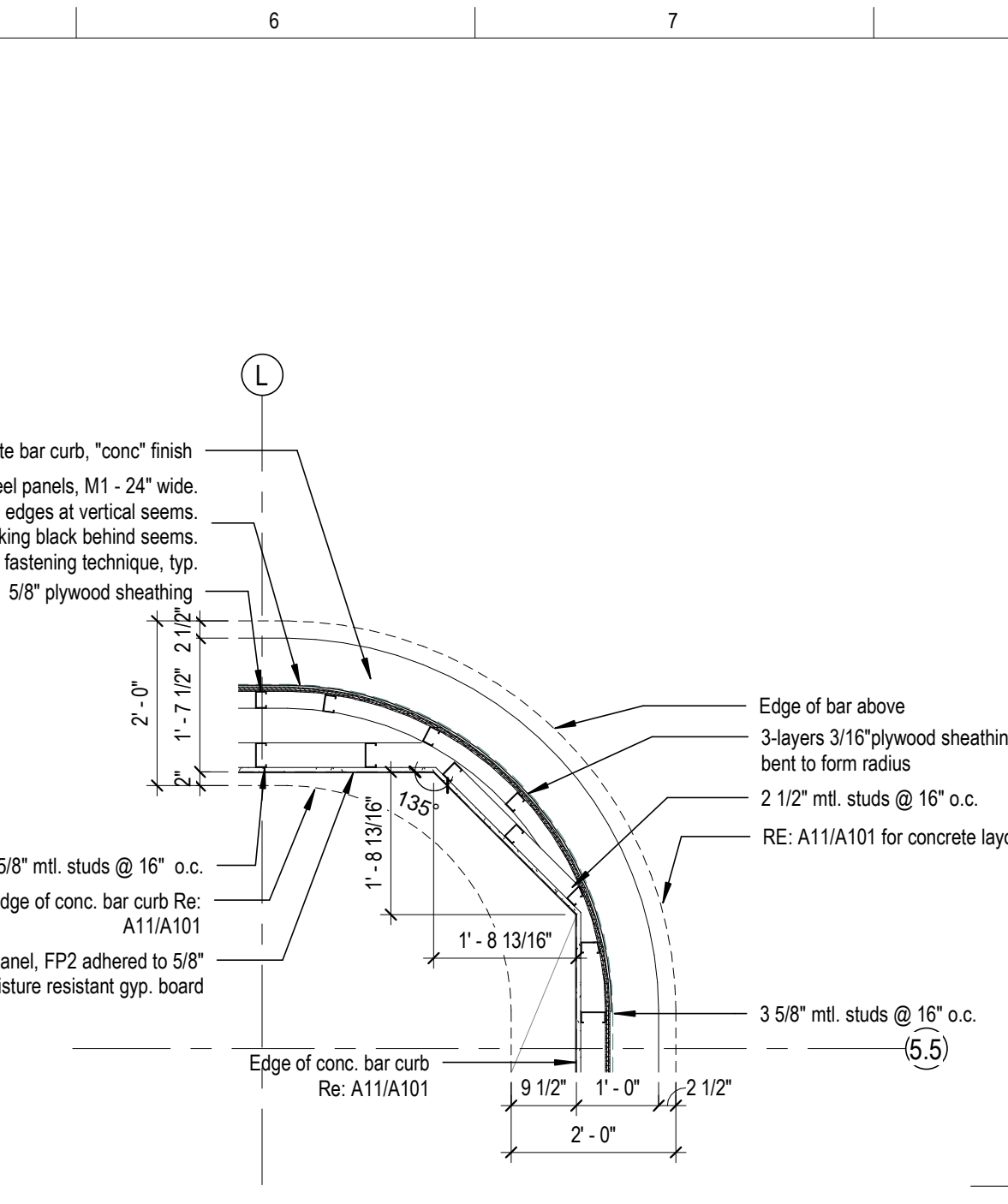
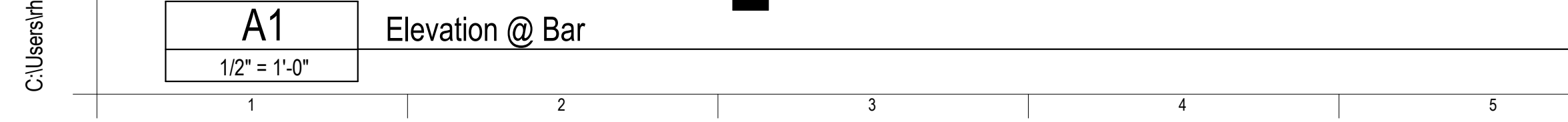
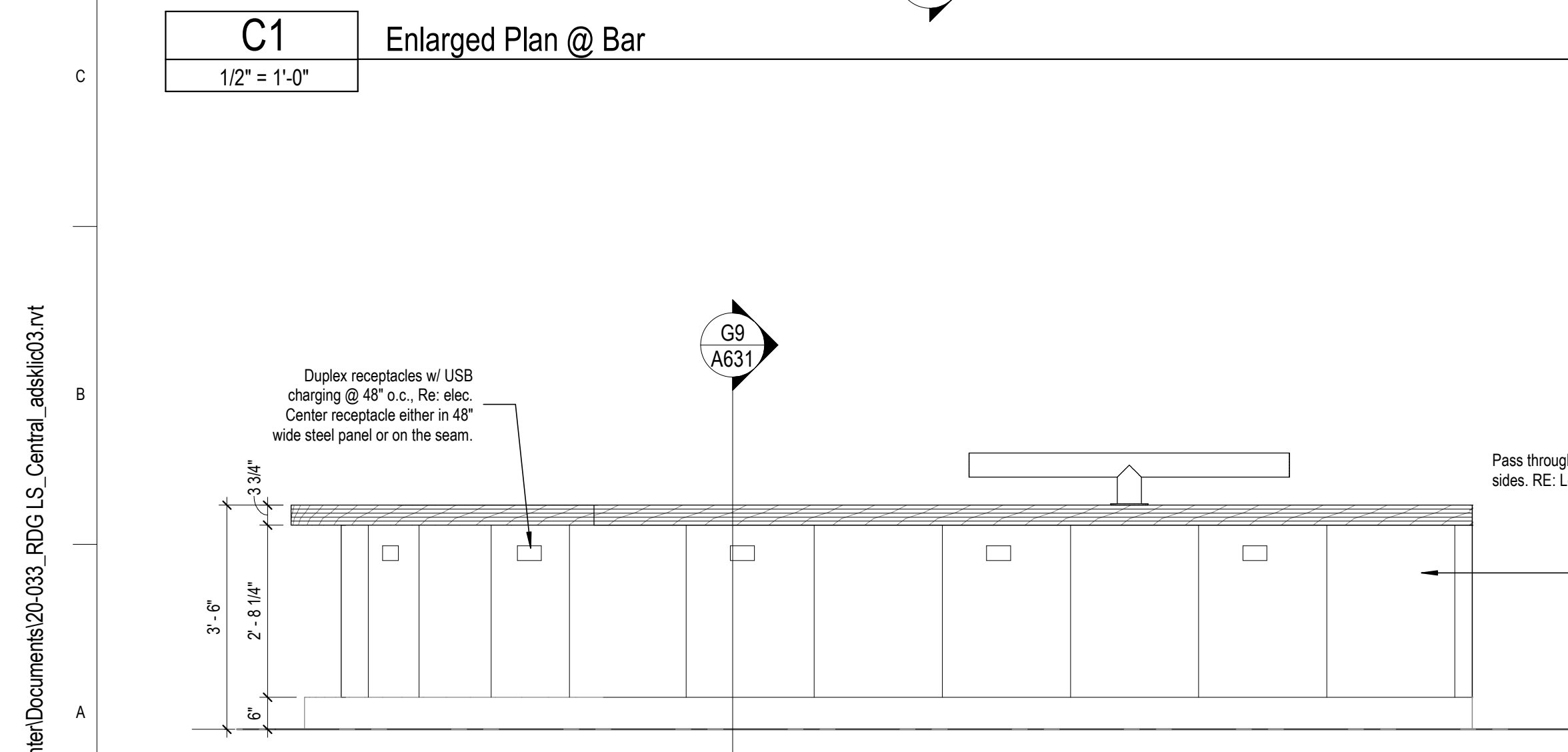
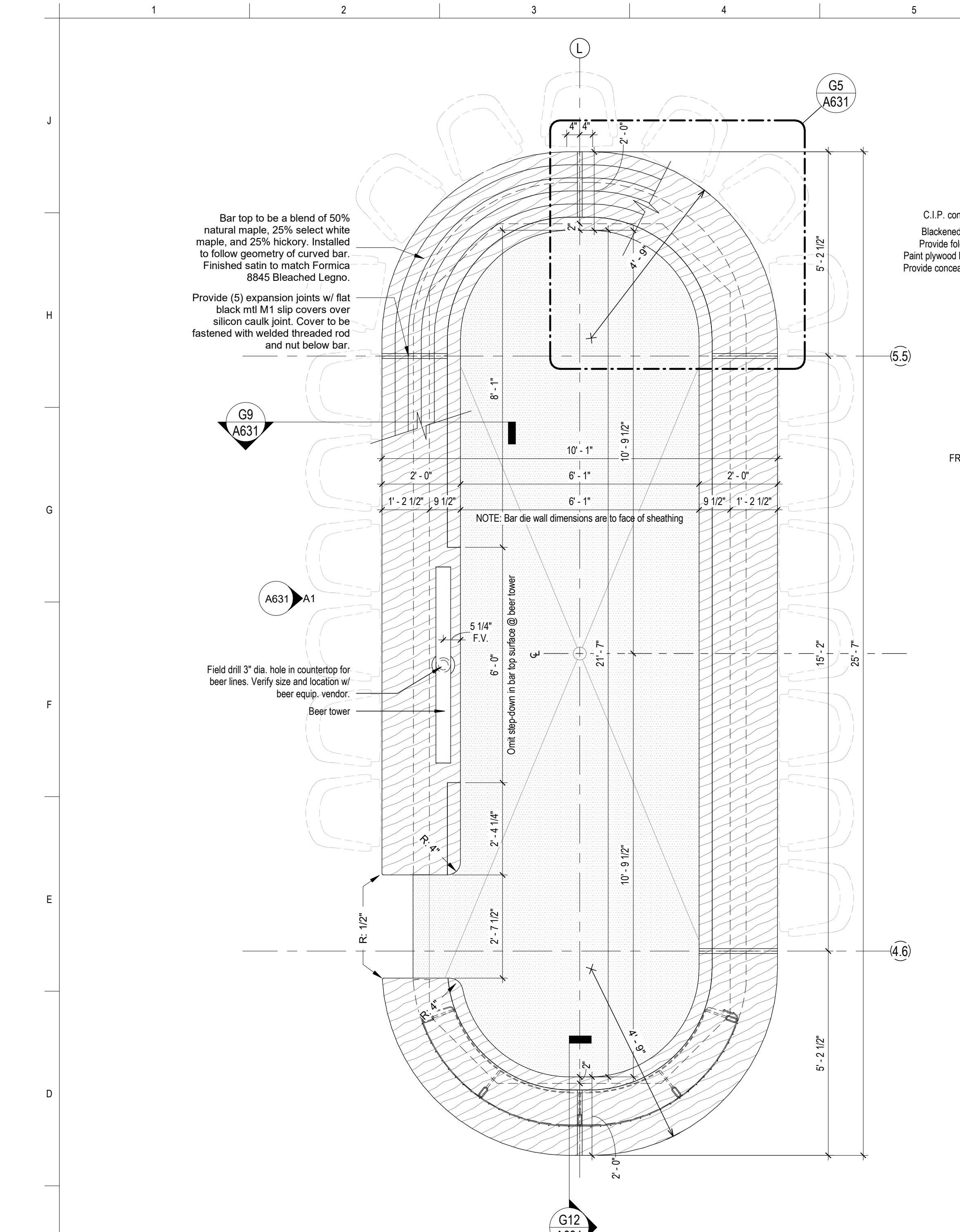
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Missouri Certificate of Authority: #

PROJECT NUMBER:	26-033
ISSUE DATE:	9 April 2021
REVISIONS	DATE
1. Rev/Permit Set	04.16.2021
2. Addendum 01	05.03.2021
3. Plans Review Comments	05.12.2021

Interior Elevations
A601
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Red Door Grill - Lee's Summit
Construction Documents
2061 NW Lowenstein Dr.
Lee's Summit, MO 64081

STATE OF MISSOURI
PAUL O. MINTO
NUMBER A-200487056
EXPIRES 12/31/2021
April 12, 2021

food service
TriMark Hockenbergs
10550 Barkley, Ste. 201
Overland Park, Kansas 66212
p. 913.945.2490

mechanical, electrical, and plumbing
Welch and Mitchell
4370 W. 109th St., Ste. 203
Overland Park, KS 66211
913.544.1627

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civil
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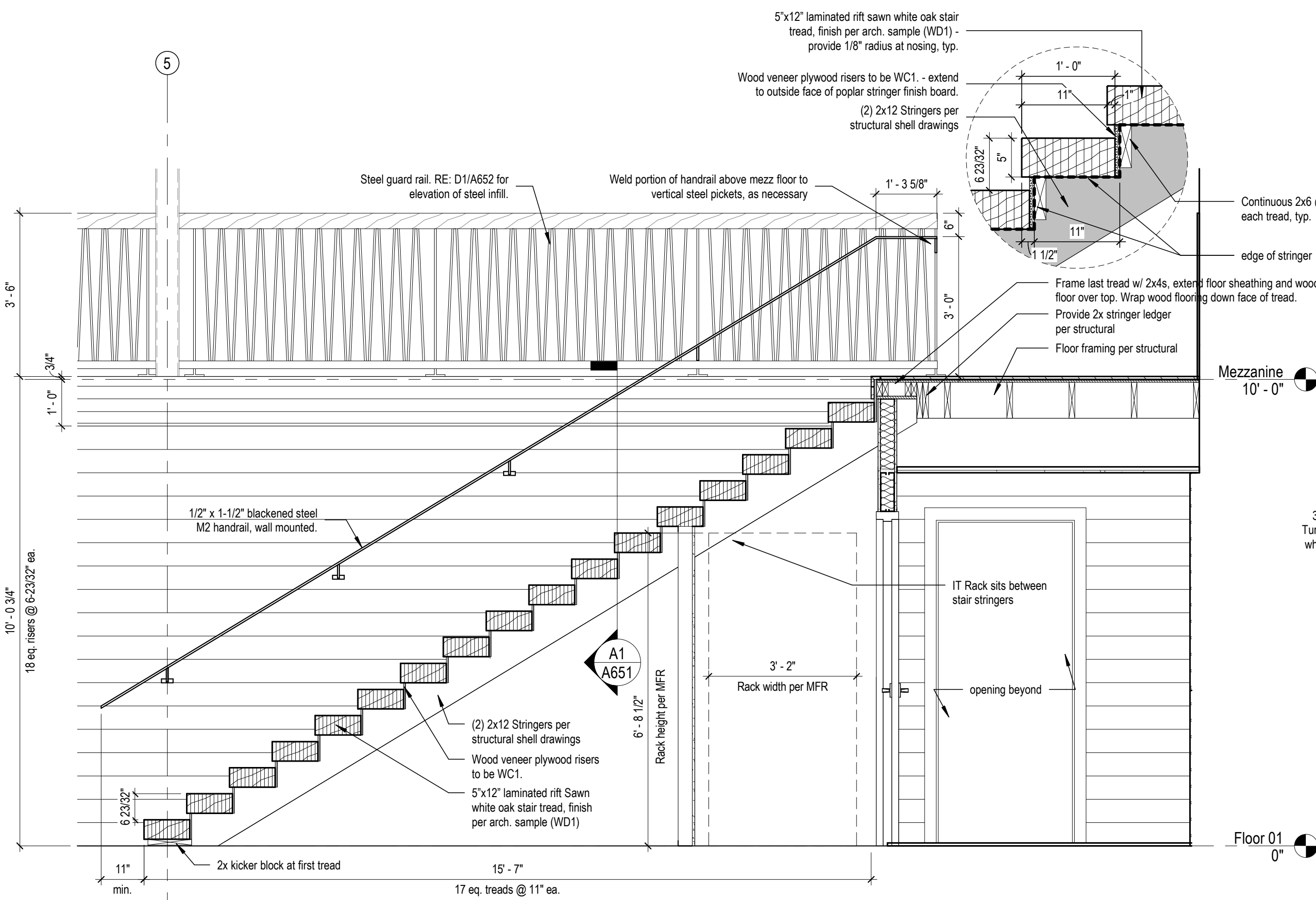
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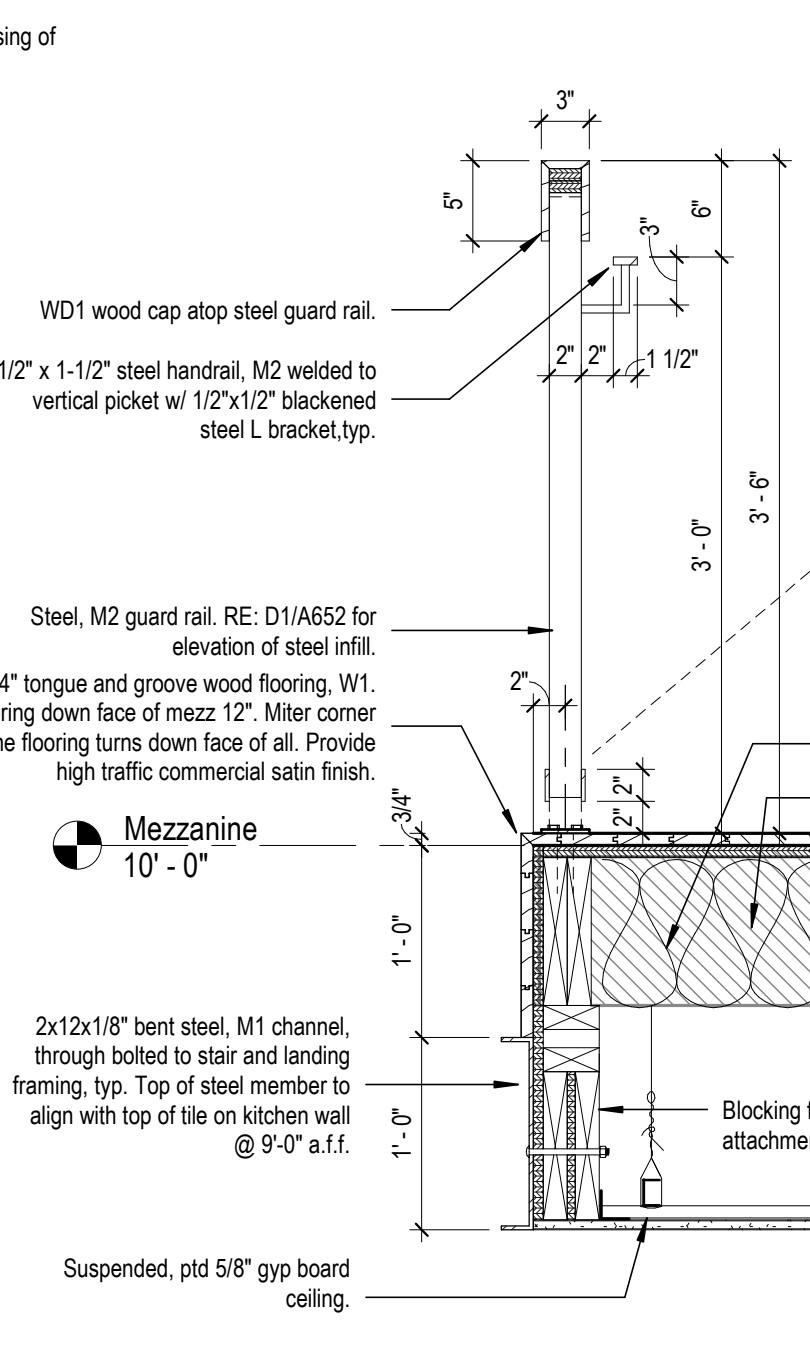
Tenant - Details - Bar

A631
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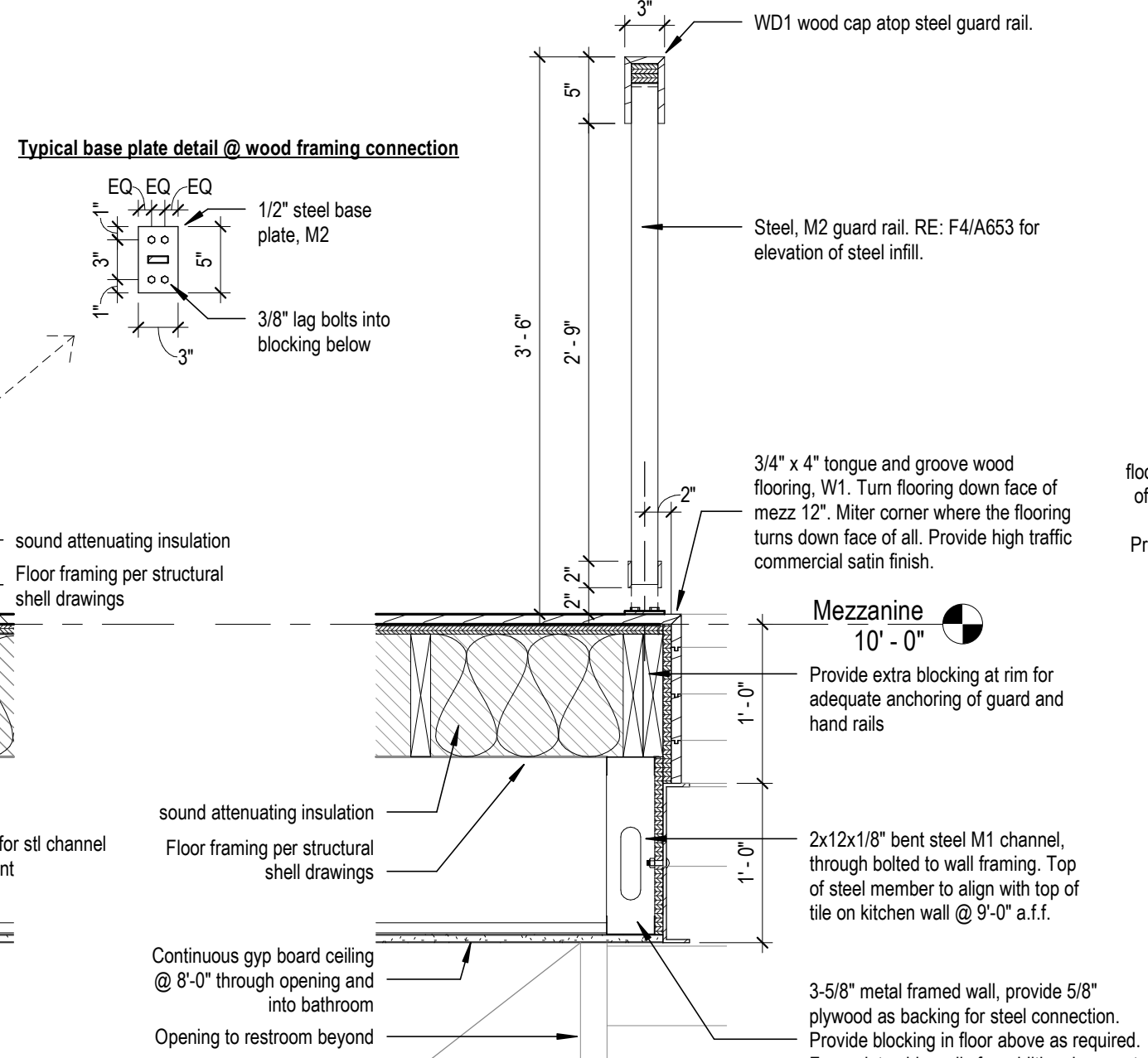
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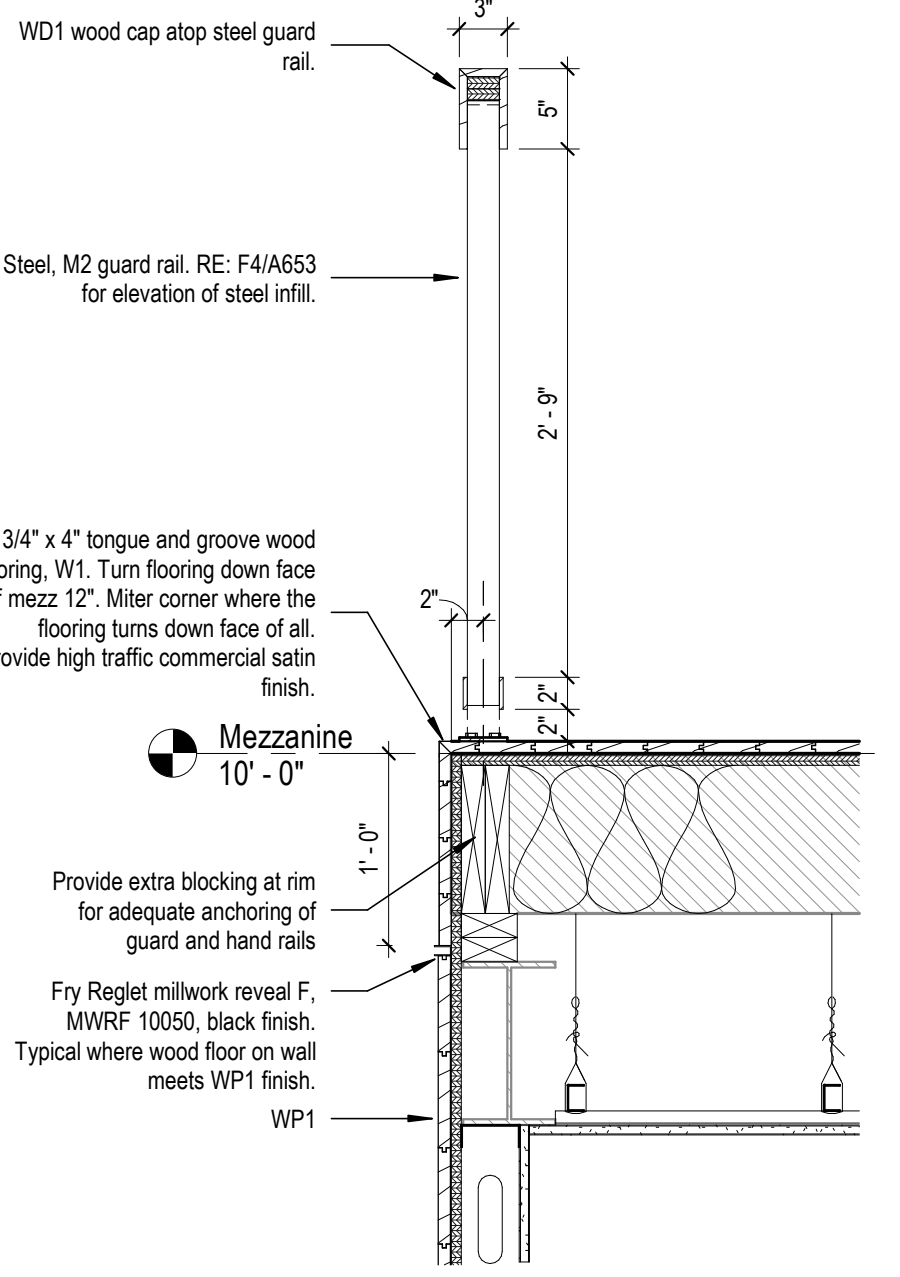
F1 Section @ Stair
1/2" = 1'-0"



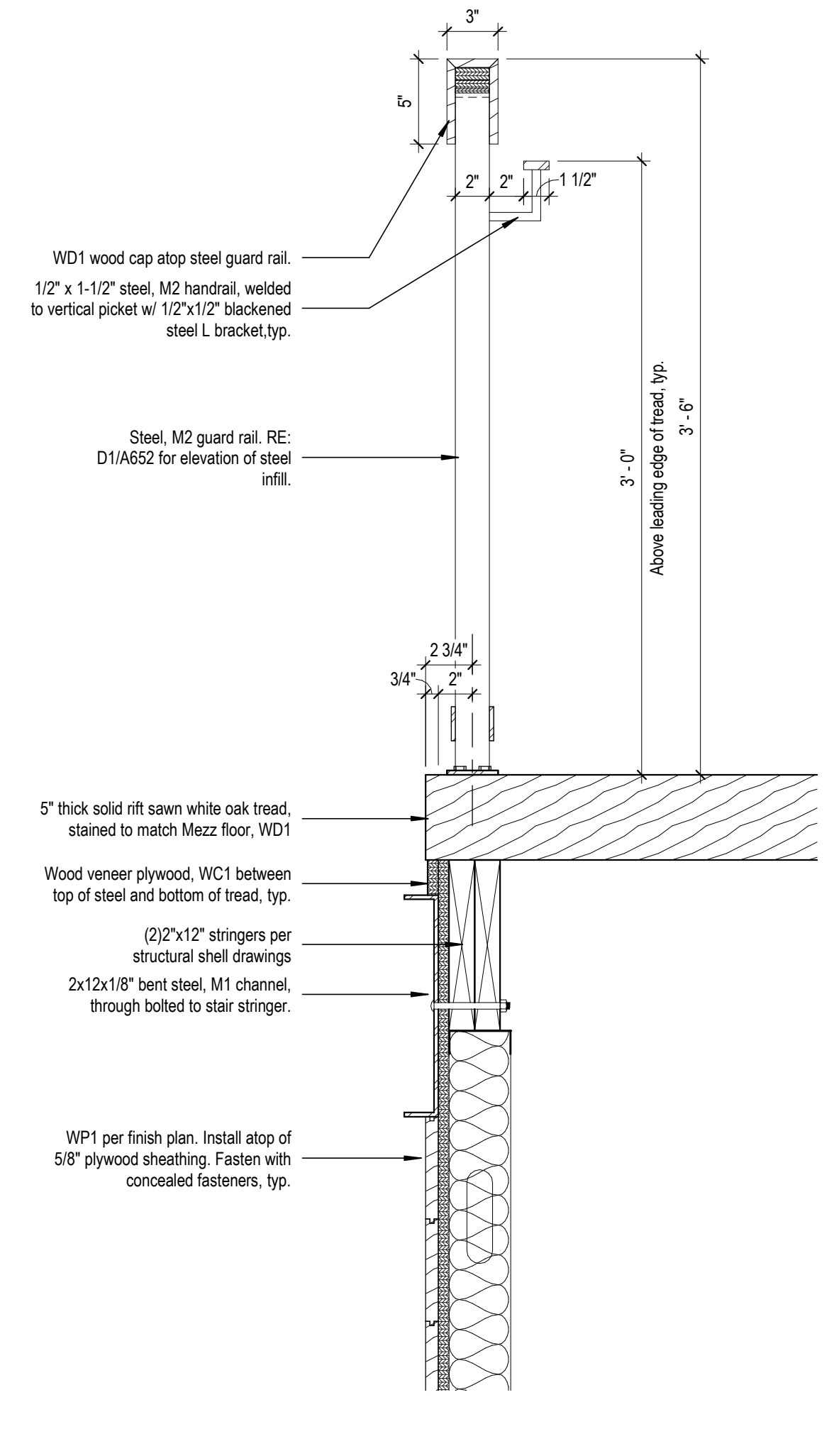
F7 Detail @ Mezz, landing
1" = 1'-0"



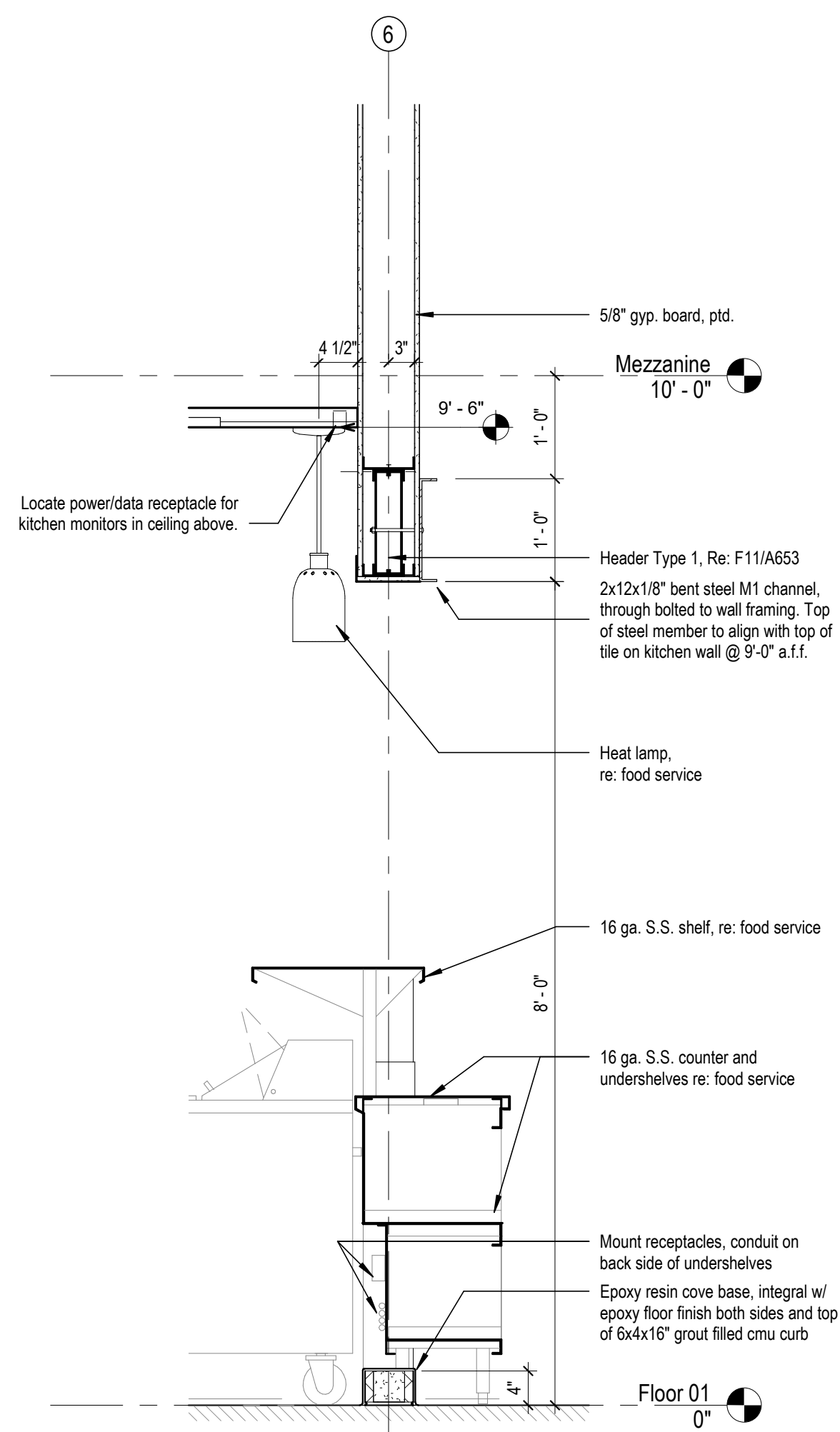
F9 Detail @ Mezz, steel channel
1" = 1'-0"



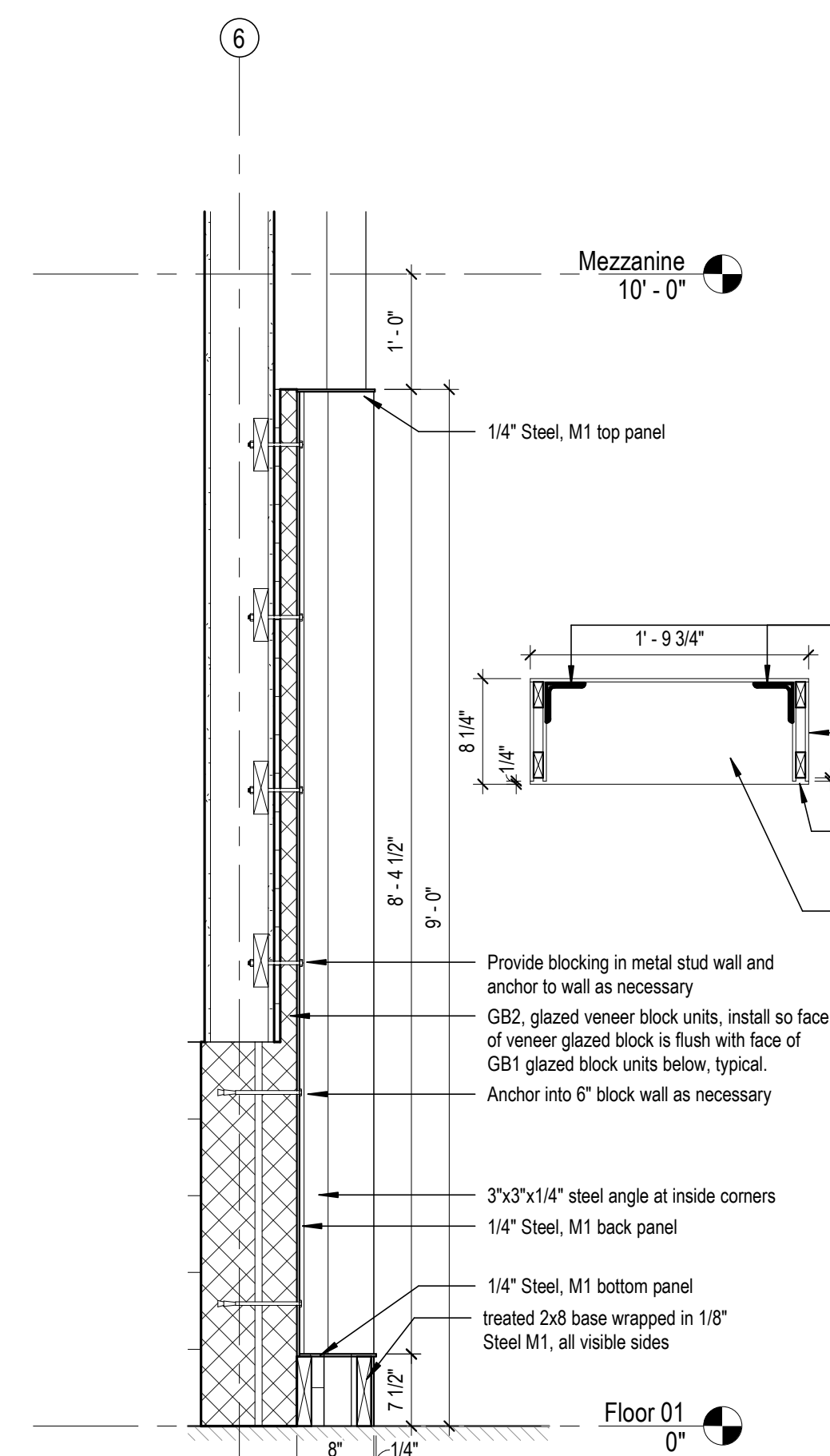
F12 Detail @ Mezz, typ.
1" = 1'-0"



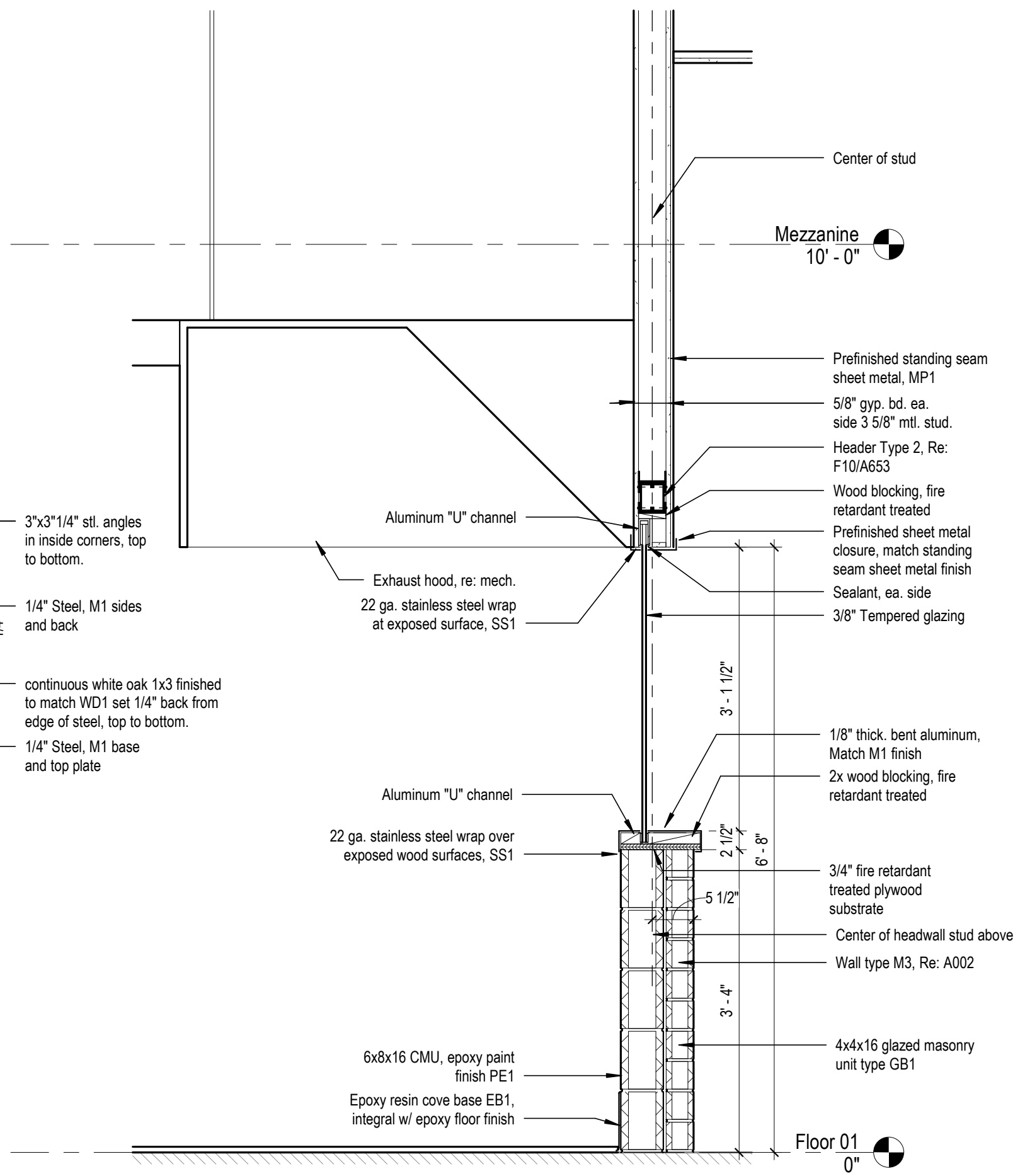
A1 Detail @ Stair, rail
1 1/2" = 1'-0"



A5 Detail @ Service window
3/4" = 1'-0"



A8 Detail @ Interior wood storage
3/4" = 1'-0"



A11 Detail @ Grill window
3/4" = 1'-0"



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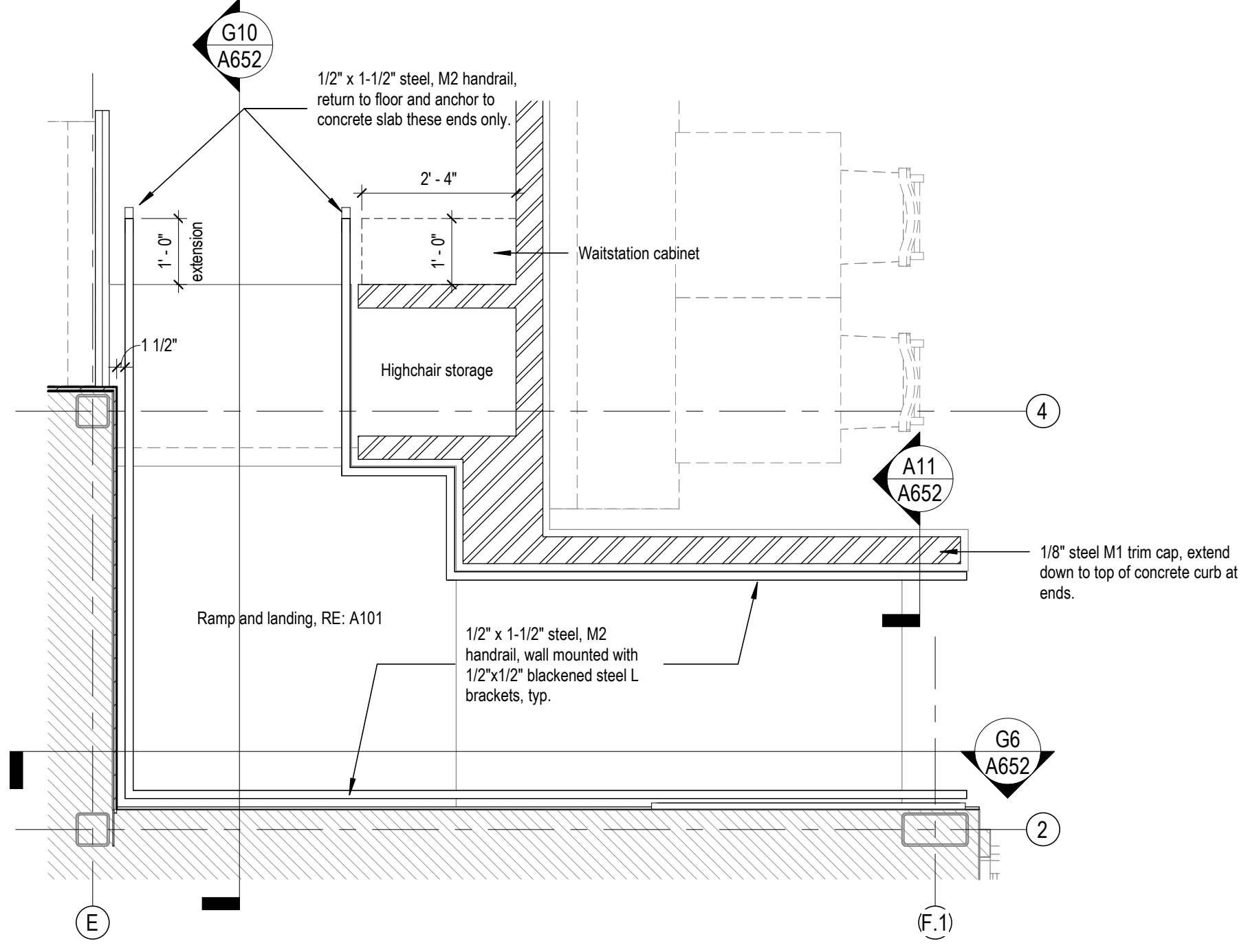
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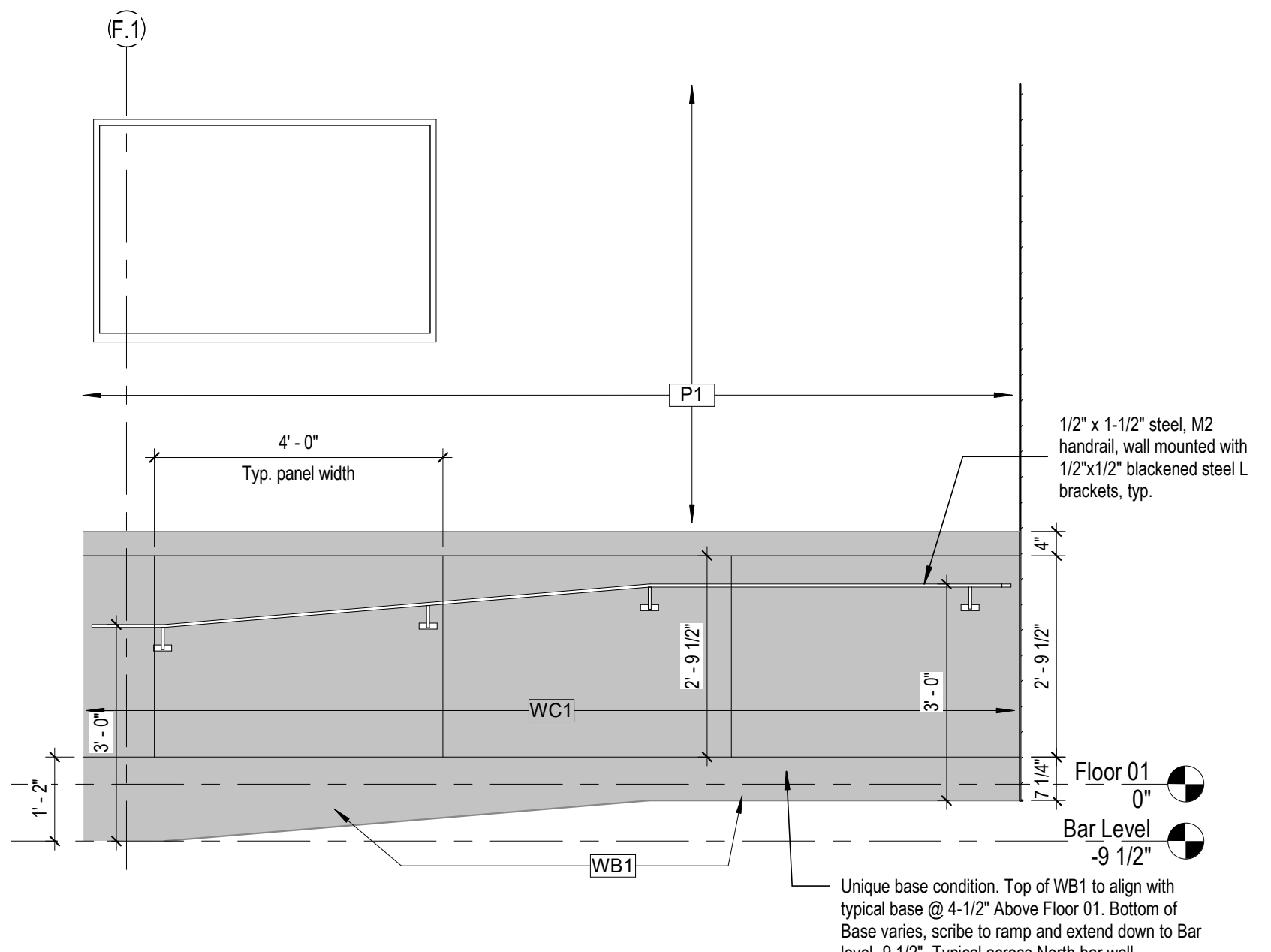
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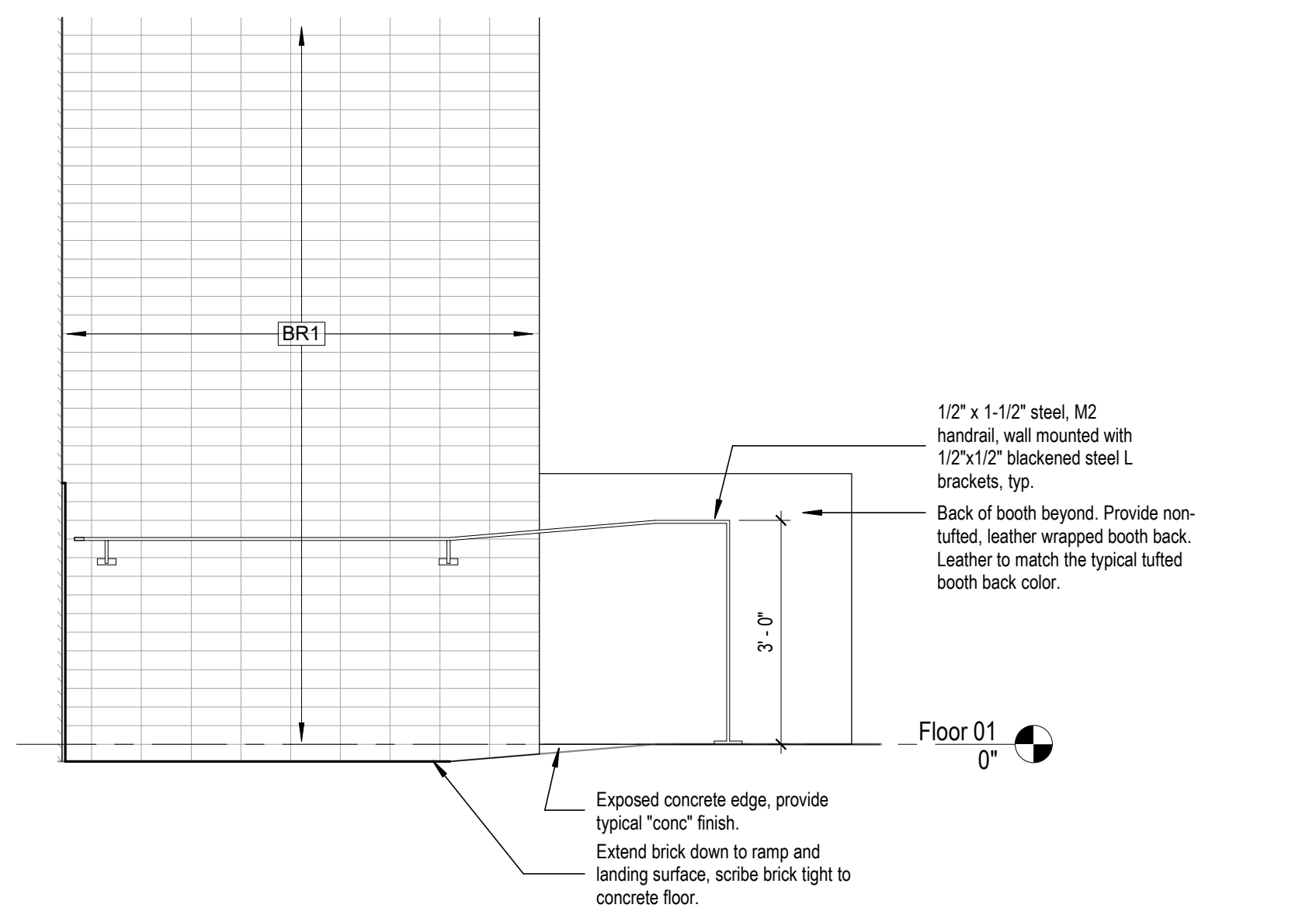
Tenant - Details - Interior



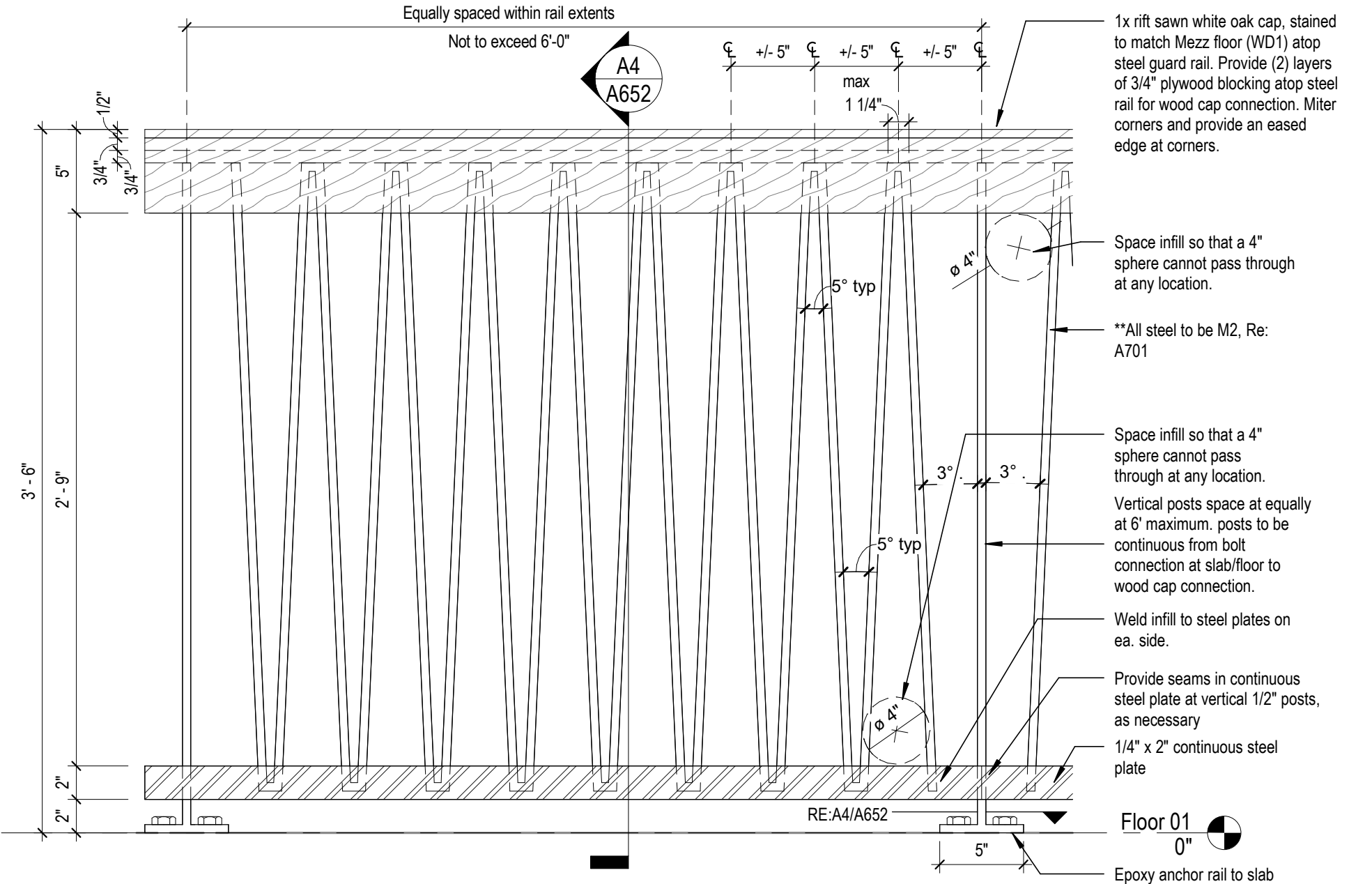
G1 Enlarged Plan @ Ramp
 1/2" = 1'-0"



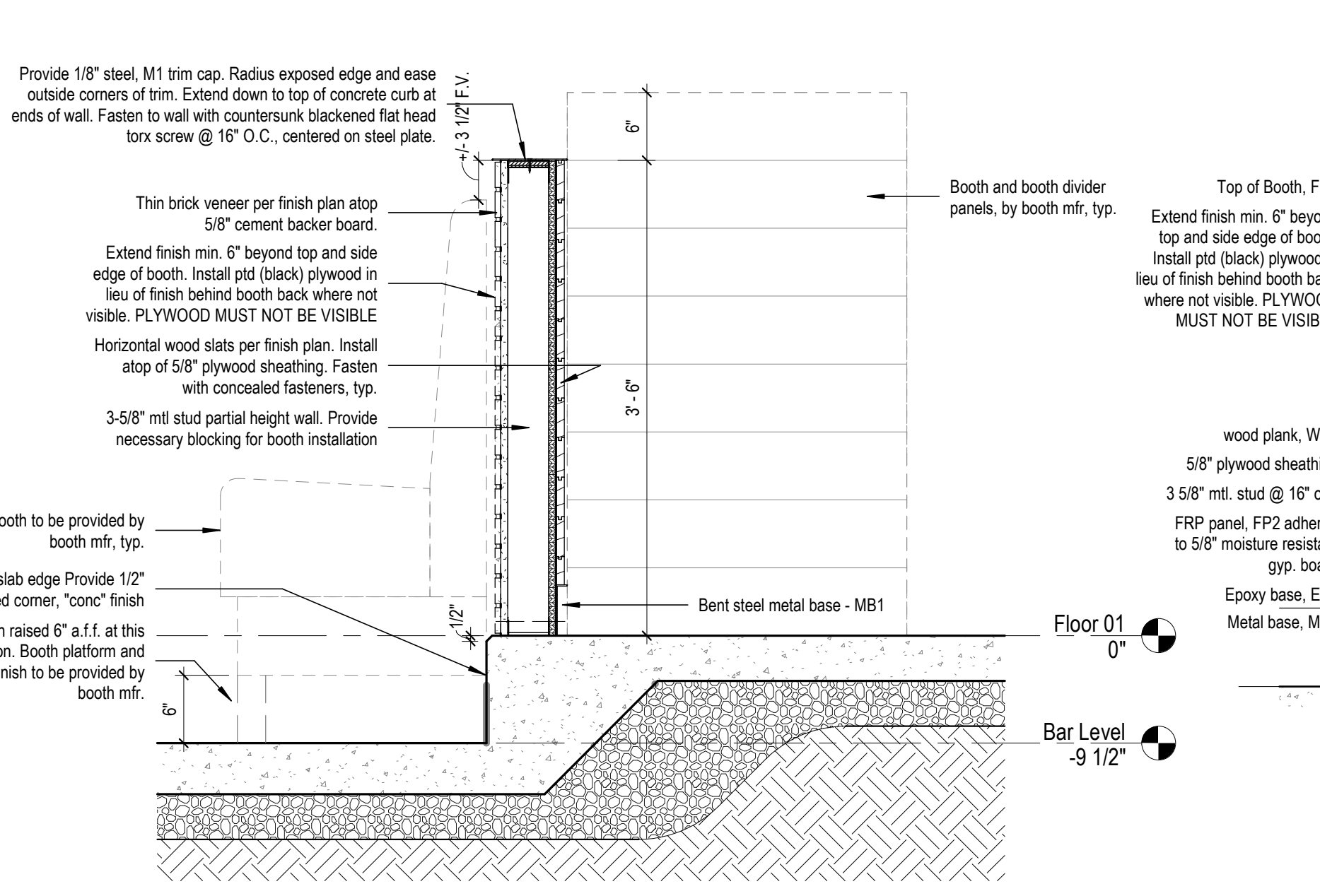
G6 Section @ Ramp, north
 1/2" = 1'-0"



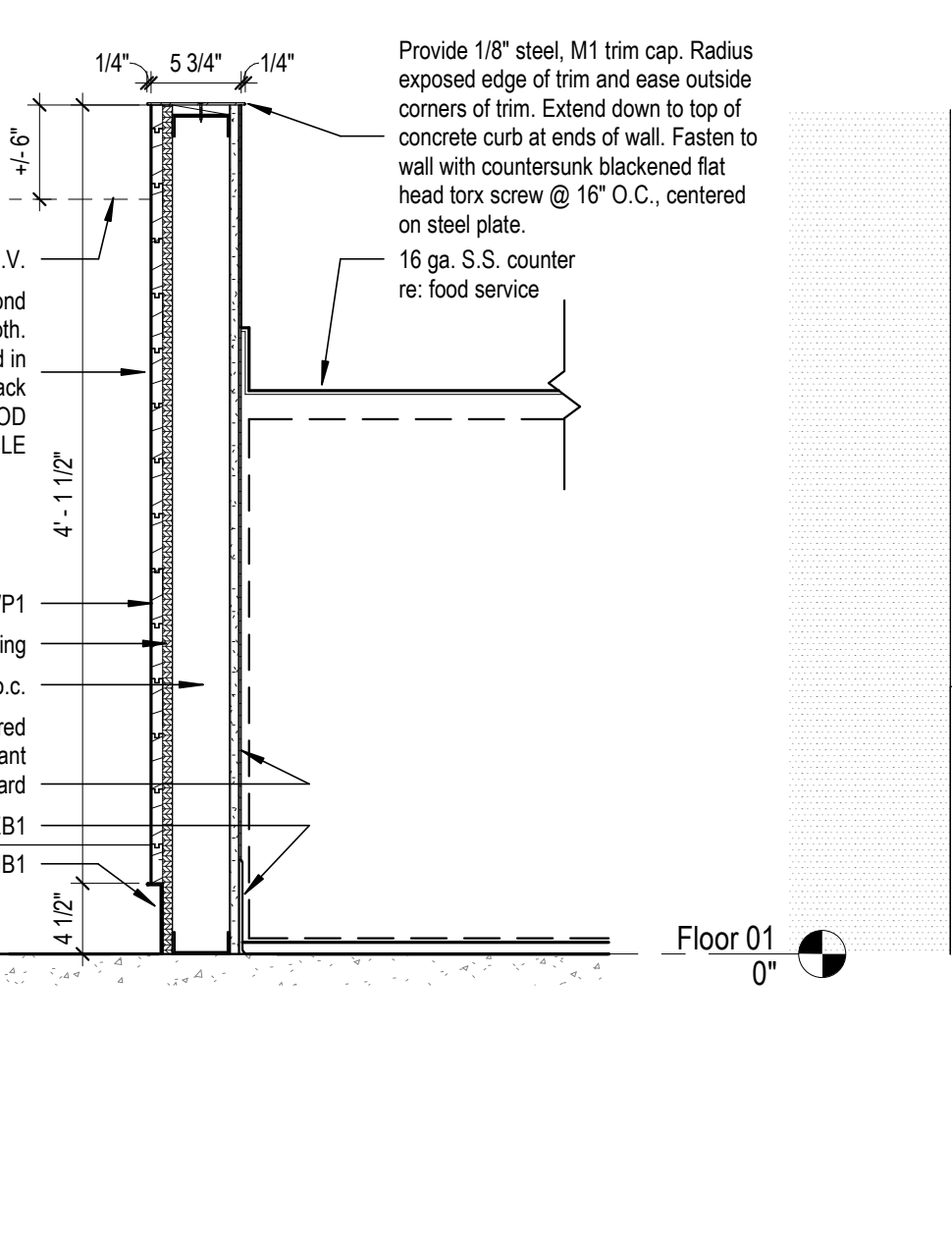
G10 Section @ Ramp, east
 1/2" = 1'-0"



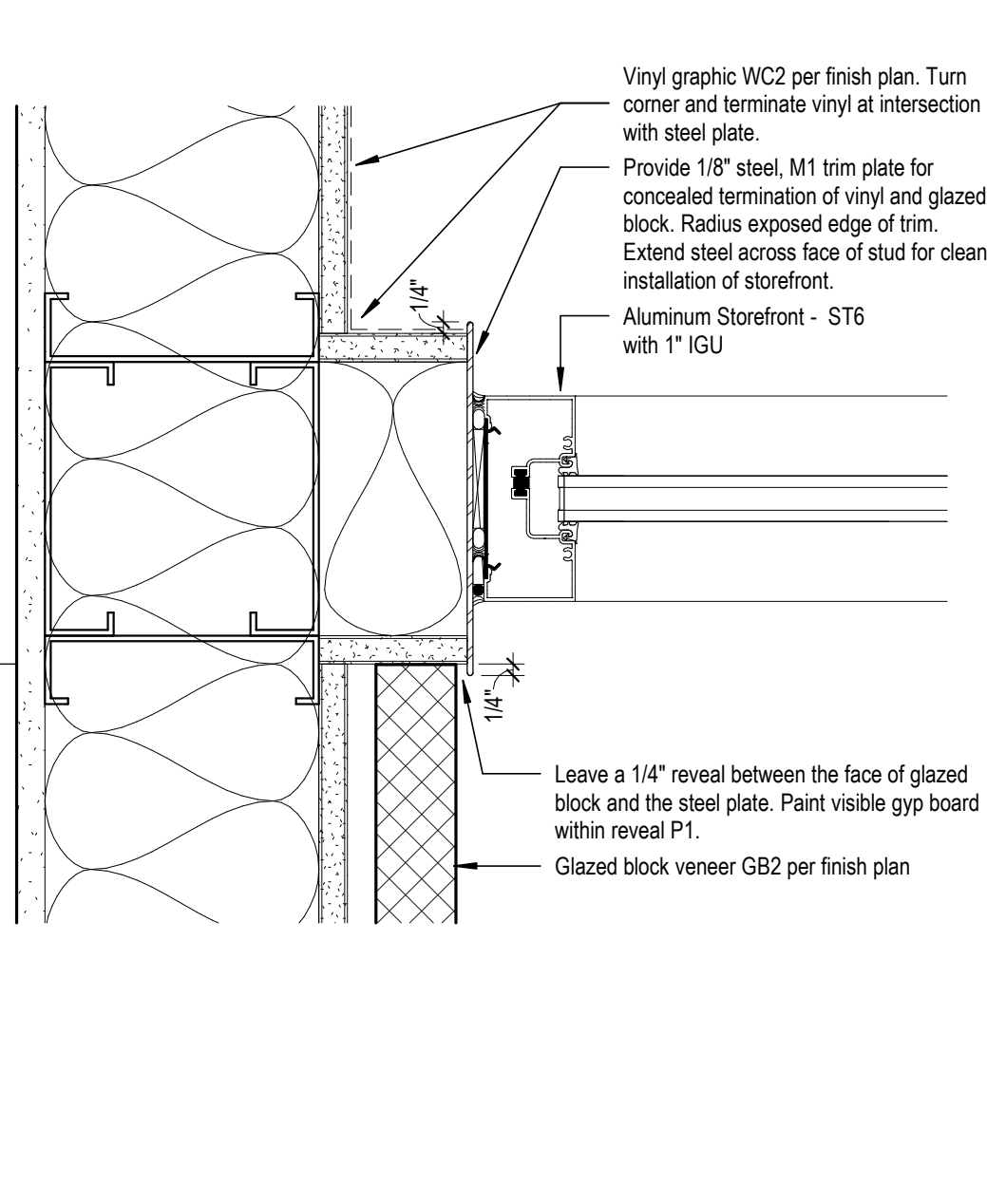
D1 Detail Elevation @ Guard rail
 1 1/2" = 1'-0"



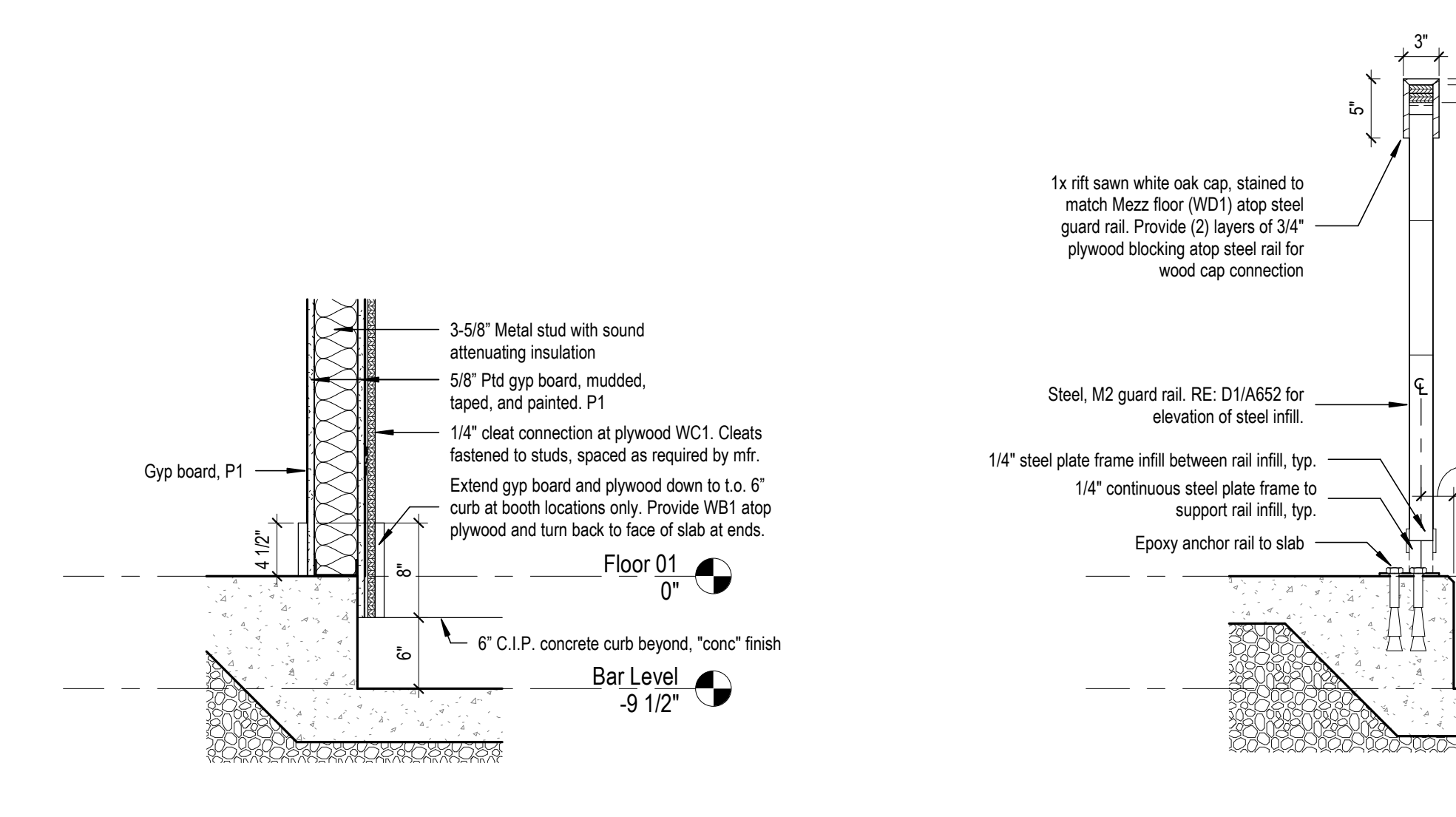
D6 Section @ Bar banquette
 1" = 1'-0"



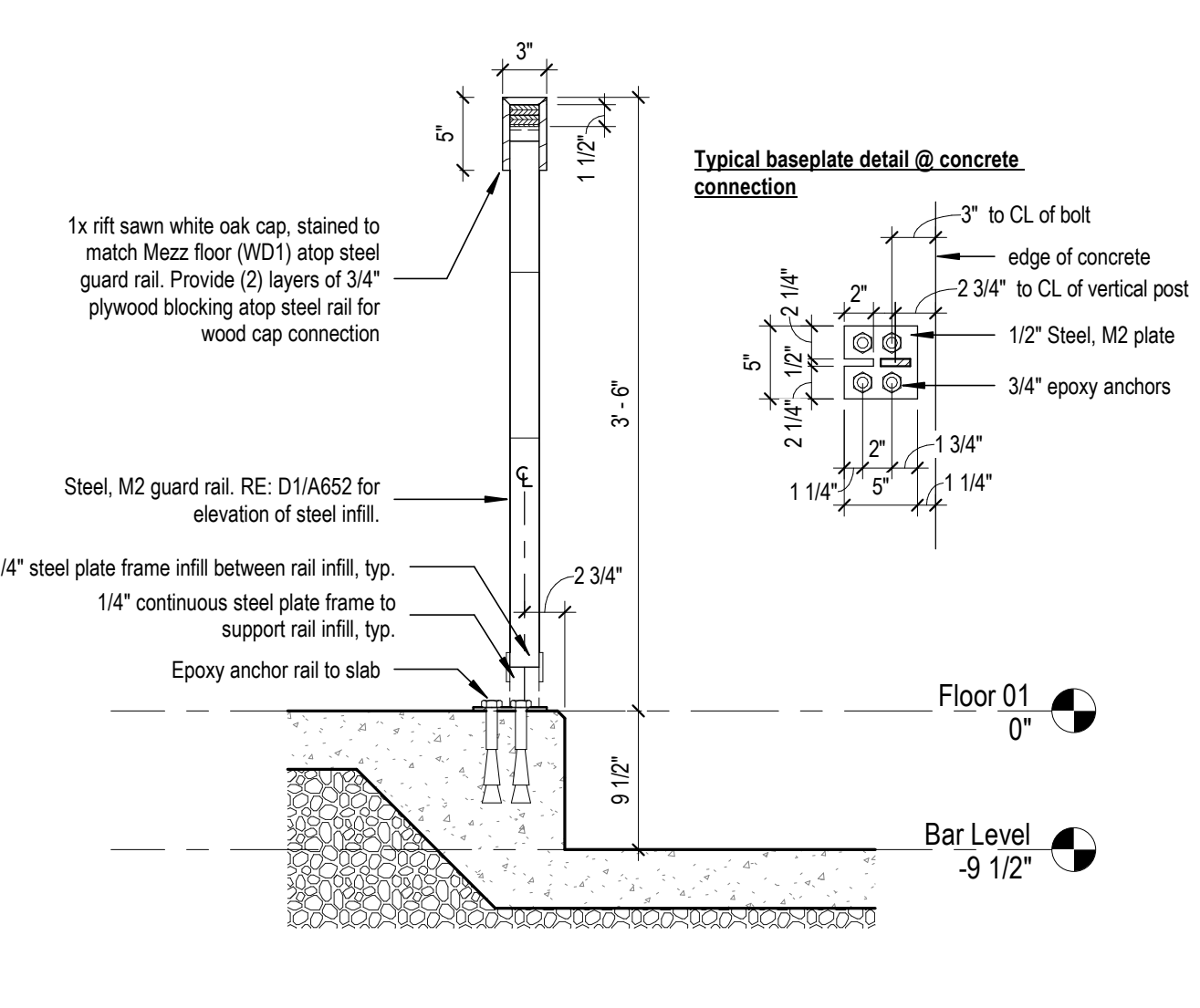
D9 Section @ Partial height wall
 1" = 1'-0"



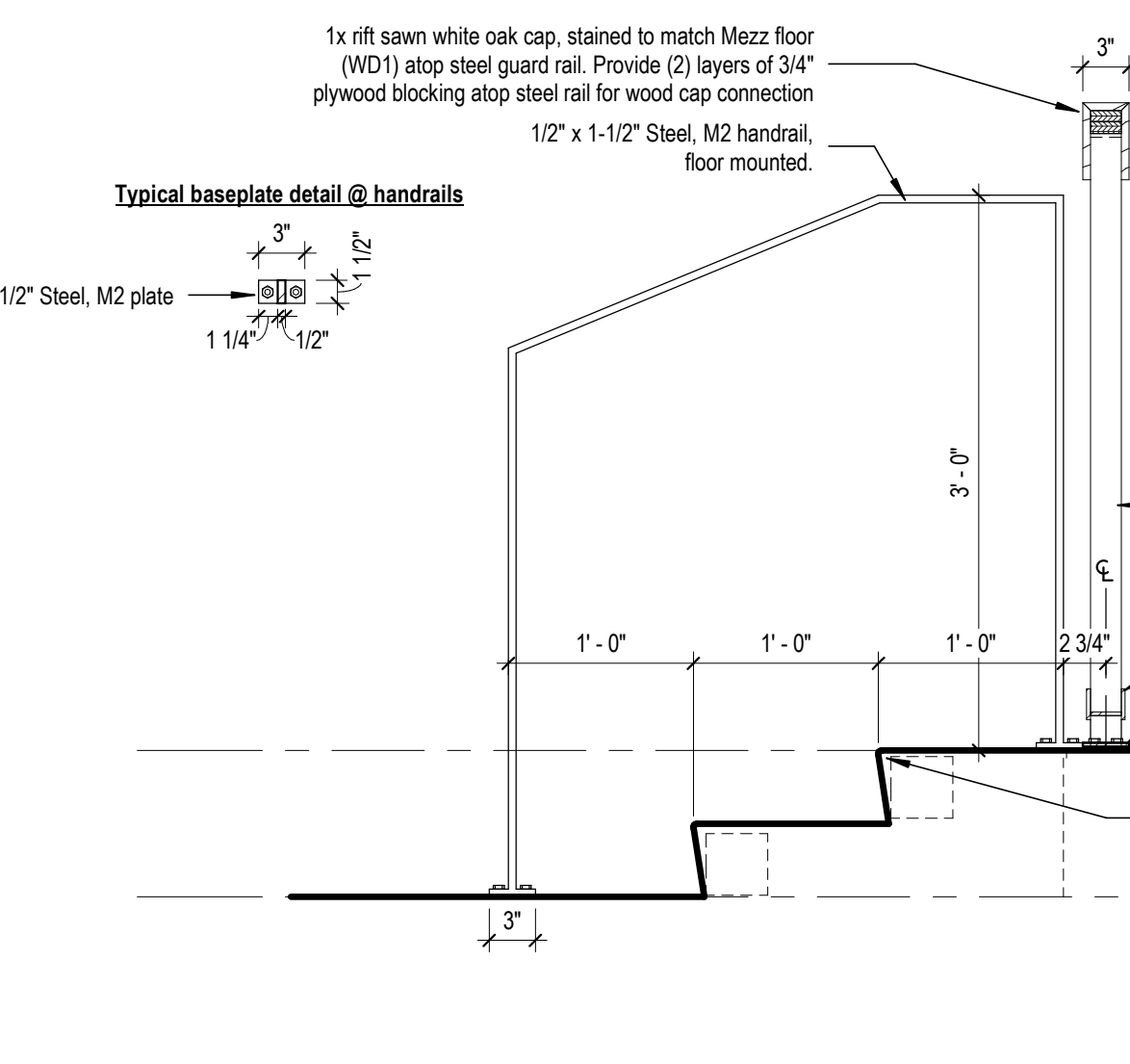
D12 Plan Detail @ Storefront
 3" = 1'-0"



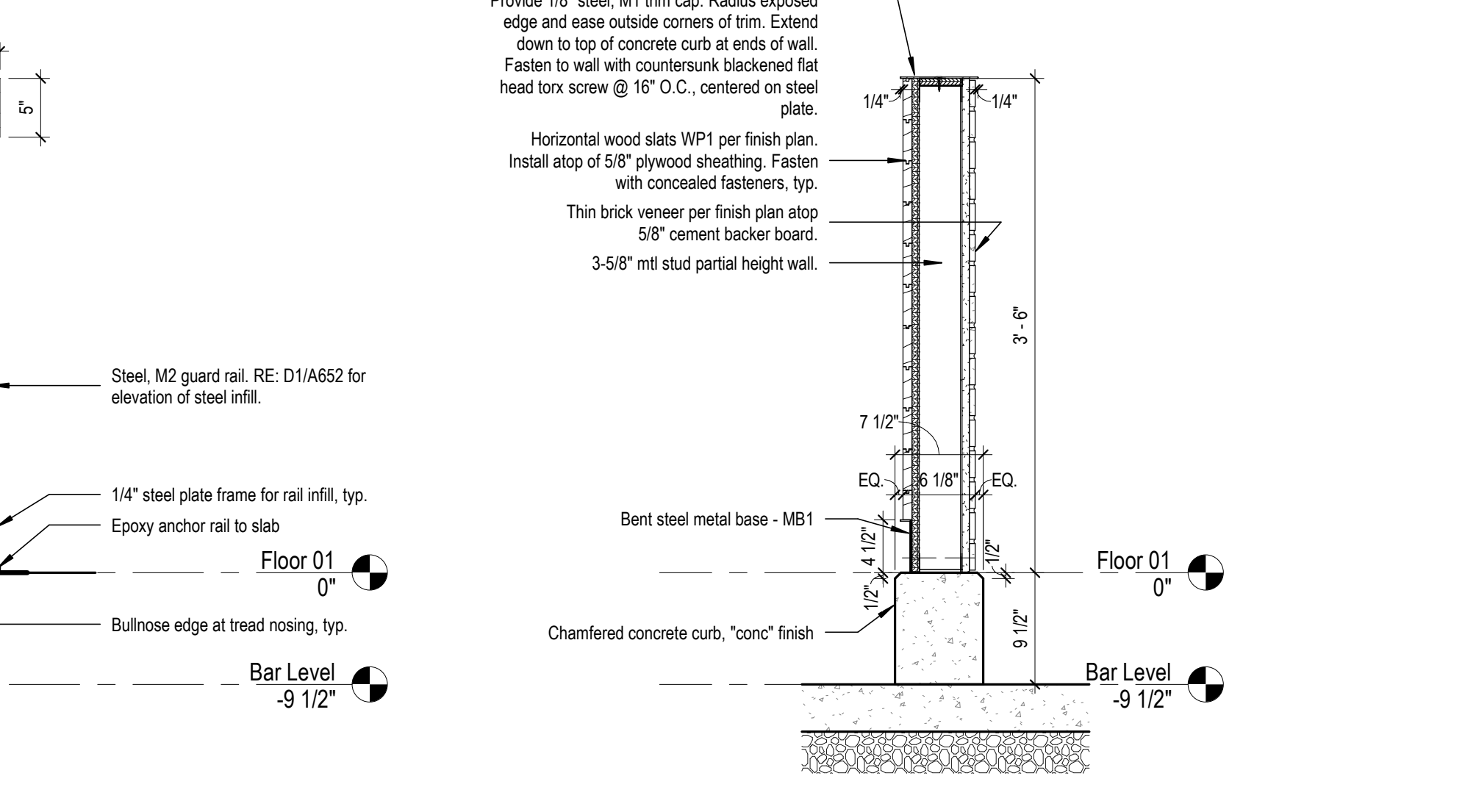
A1 Section @ Bar base
 1" = 1'-0"



A4 Section @ Guard rail
 1" = 1'-0"

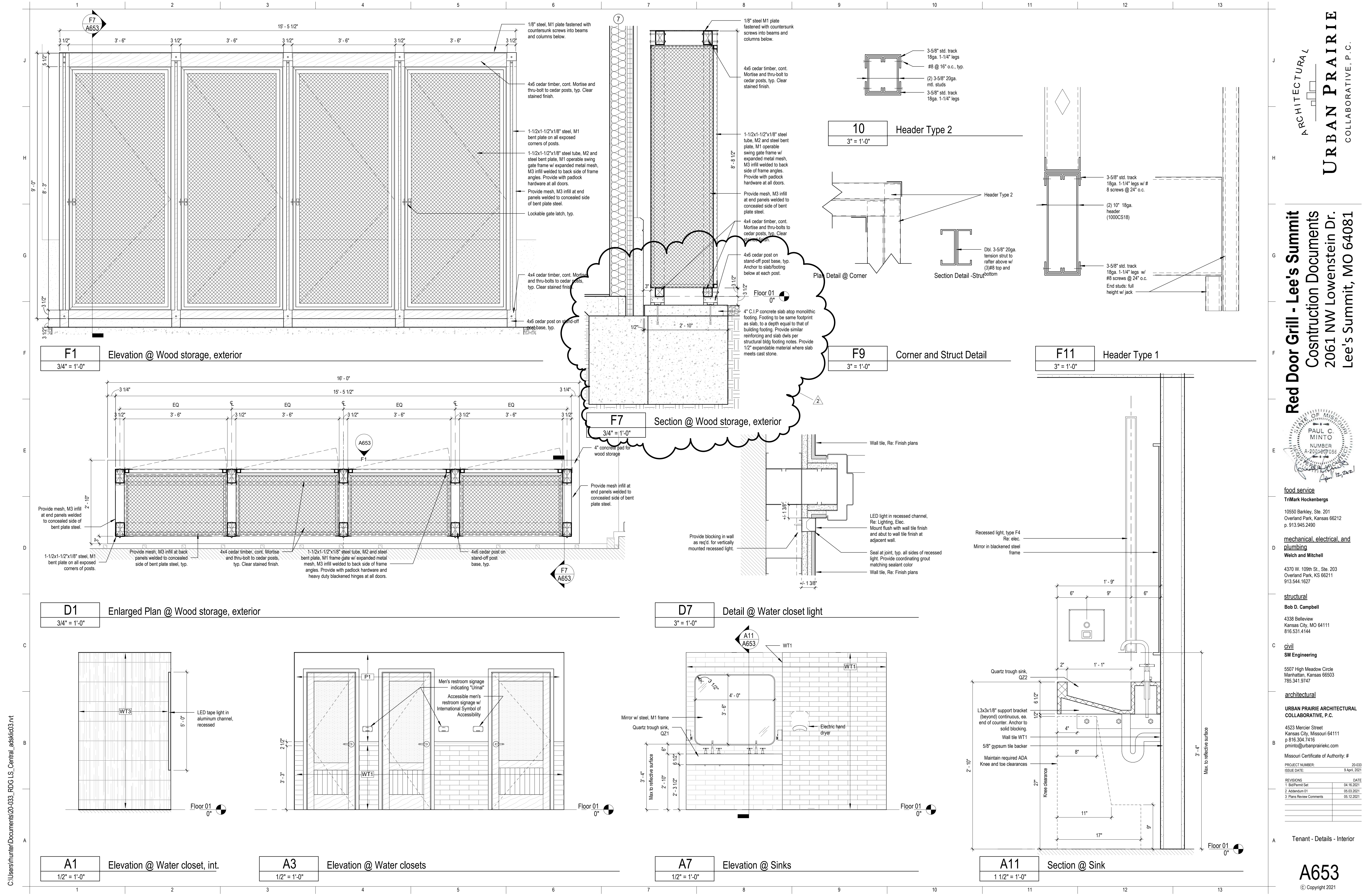


A7 Section @ Hand rail
 1" = 1'-0"



A11 Section @ Bar curb
 1" = 1'-0"

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Red Door Grill - Lee's Summit
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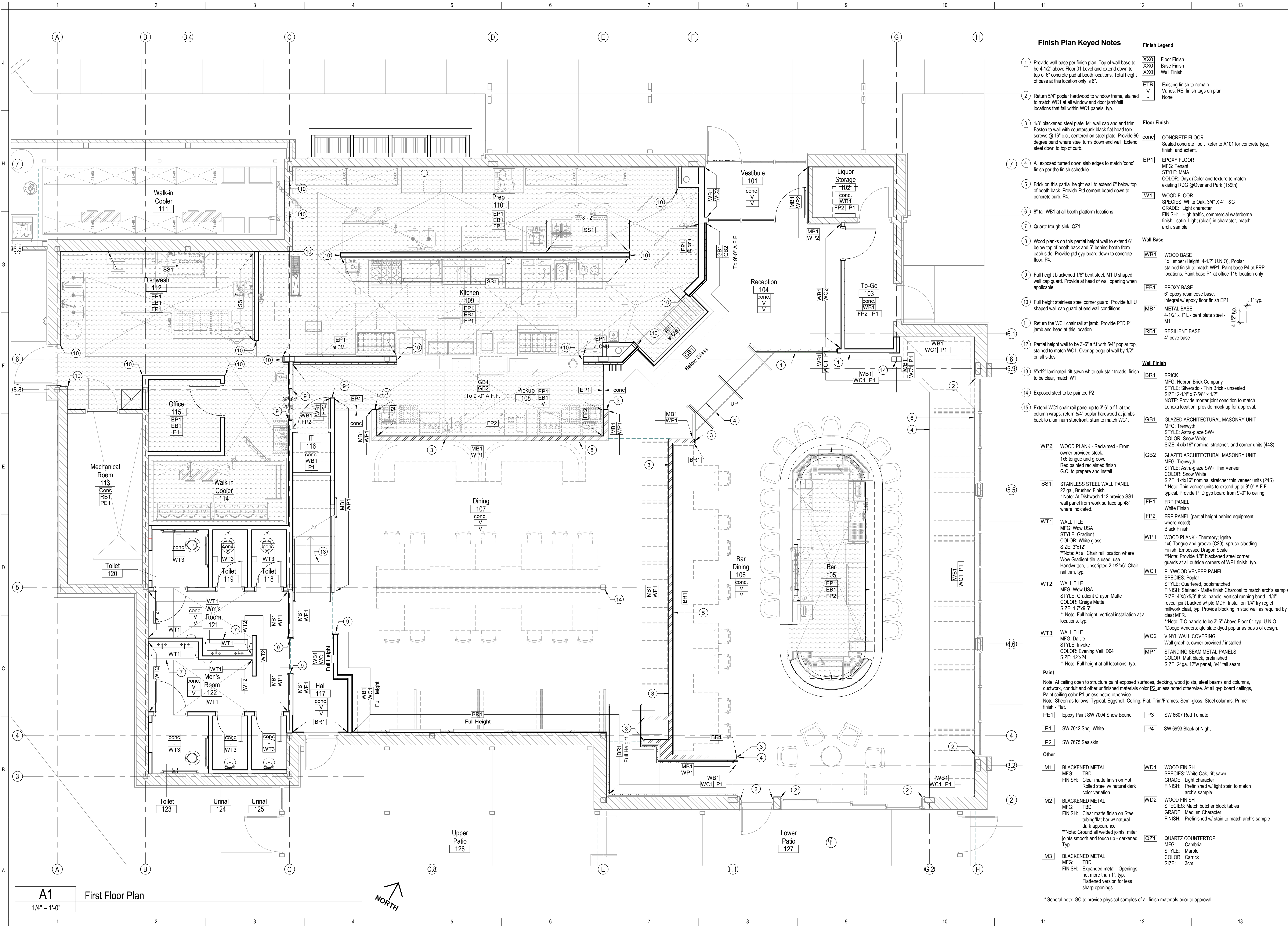
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 Missouri Certificate of Authority: #
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 05.12.2021

Tenant - Details - Interior

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Finish Plan Keyed Notes

- 1 Provide wall base per finish plan. Top of wall base to be 4'-1/2" above Floor 01 Level and extend down to top of 6" concrete pad at booth locations. Total height of base at this location only is 8".
- 2 Return 5/4" poplar hardwood to window frame, stained to match WC1 at all window and door jamb/sill locations that fall within WC1 panels, typ.
- 3 1/8" blackened steel plate, M1 wall cap and end trim. Fasten to wall with countersunk black flat head brass screws @ 16" o.c., centered on steel plate. Provide 90 degree bend where steel turns down end wall. Extend steel down to top of curb.
- 4 All exposed turned down slab edges to match 'conc' finish per the finish schedule.
- 5 Brick on this partial height wall to extend 6" below top of booth back. Provide Ptd cement board down to concrete curb, P4.
- 6 8" tall WB1 at all booth platform locations.
- 7 Quartz trough sink, QZ1.
- 8 Wood planks on this partial height wall to extend 6" below top of booth back and 6" behind booth from each side. Provide ptd gyp board down to concrete floor, P4.
- 9 Full height blackened 1/8" bent steel, M1 U shaped wall cap guard. Provide at head of wall opening when applicable.
- 10 Full height stainless steel corner guard. Provide full U shaped wall cap guard at end wall conditions.
- 11 Return the WC1 chair rail at jamb. Provide PTD P1 jamb and head at this location.
- 12 Partial height wall to be 3'-6" a.f.f with 5/4" poplar top, stained to match WC1. Overlap edge of wall by 1/2" on all sides.
- 13 5"x12" laminated rift sawn white oak stair treads, finish to be clear, match W1.
- 14 Exposed steel to be painted P2.
- 15 Extend WC1 chair rail panel up to 3'-6" a.f.f. at the column wraps, return 5/4" poplar hardwood at jamba back to aluminum storefront, stain to match WC1.

Finish Legend

- XXX Floor Finish
- XXX Base Finish
- XXX Wall Finish
- ETR Existing finish to remain
- V Varies, RE: finish tags on plan
- None

Floor Finish

- CONC CONCRETE FLOOR
Sealed concrete floor. Refer to A101 for concrete type, finish, and extend.
- EP1 EPOXY FLOOR
MFG: Ternant
STYLE: MMA
COLOR: Onyx (Color and texture to match existing RDG @ Overland Park (159th))
- W1 WOOD FLOOR
SPECIES: White Oak, 3/4" X 4" T&G
GRADE: Light character
FINISH: High traffic, commercial waterborne finish - satin. Light (clear) in character, match arch. sample

Wall Base

- WB1 WOOD BASE
1x lumber (Height: 4'-1/2" U.N.O.), Poplar stained finish to match W1. Paint base P4 at FRP locations. Paint base P1 at office 115 location only
- EB1 EPOXY BASE
6" epoxy resin cove base, integral w epoxy floor finish EP1
- MB1 METAL BASE
4-1/2" x 1" L - bent plate steel - M1
- RB1 RESILIENT BASE
4" cove base

Wall Finish

- BR1 BRICK
MFG: Hebron Brick Company
STYLE: Silverado - Thin Brick - unsealed
SIZE: 2-1/4" x 7-5/8" x 1-1/2"
NOTE: Provide mortar joint condition to match Lenexa location, provide mock up for approval.
- GB1 GLAZED ARCHITECTURAL MASONRY UNIT
MFG: Ternwith
STYLE: Astra-glaze SW+
COLOR: Snow White
SIZE: 4x16" nominal stretcher, and corner units (44S)
- GB2 GLAZED ARCHITECTURAL MASONRY UNIT
MFG: Ternwith
STYLE: Astra-glaze SW-
COLOR: Snow White
SIZE: 14x16" nominal stretcher thin veneer units (24S)
*Note: Thin veneer units to extend up to 9'-0" A.F.F. typical. Provide PTD gyp board from 9'-0" to ceiling.
- FP1 FRP PANEL
White Finish
- FP2 FRP PANEL (partial height behind equipment where noted)
Black Finish
- WP1 WOOD PLANK - Thermory; Ignite
1x6 Tongue and groove (C20), spruce cladding
Finish: Embossed Dragon Scale
*Note: Provide 1/8" blackened steel corner guards at all outside corners of WP1 finish, typ.
- WC1 PLYWOOD VENEER PANEL
SPECIES: Poplar
STYLE: Quartered, bookmatched
FINISH: Stained - Matte finish Charcoal to match arch's sample
SIZE: 4'x8'x5/8" thick, panels, vertical running bond - 1/4" reveal joint backed w ptd MDF. Install on 1/4" dry reglet millwork cleat, typ. Provide blocking in stud wall as required by cleat MFR.
*Note: Full height, vertical installation at all locations, typ.
*Dooge Veneers: qtd slate dyed poplar as basis of design.
- WC2 VINYL WALL COVERING
Wall graphic, owner provided / installed
- MP1 STANDING SEAM METAL PANELS
COLOR: Matt black, prefinished
SIZE: 24ga. 12" w panel, 3/4" tall seam

WP2

WOOD PLANK - Reclaimed - From owner provided stock. 1x6 tongue and groove. Red painted reclaimed finish. G.C. to prepare and install.

SS1

STAINLESS STEEL WALL PANEL
22 ga., Brushed Finish
*Note: At Dishwash 112 provide SS1 wall panel from work surface up 48" where indicated.

WT1

WALL TILE
MFG: Wow USA
STYLE: Gradient
COLOR: White gloss
SIZE: 3"x12"
*Note: At all Chair rail location where Wow Gradient tile is used, use Handwritten, Unscripted 2 1/2"x6" Chair rail trim, typ.

WT2

WALL TILE
MFG: Wow USA
STYLE: Gradient Crayon Matte
COLOR: Gregge Matte
SIZE: 1.75"x5.5"
*Note: Full height, vertical installation at all locations, typ.

WT3

WALL TILE
MFG: Dattile
STYLE: Invoke
COLOR: Evening Veil ID04
SIZE: 12x24
*Note: Full height at all locations, typ.

Paint

Note: At ceiling open to structure paint exposed surfaces, decking, wood joists, steel beams and columns, ductwork, conduit and other unfinished materials color P2 unless noted otherwise. At all gyp board ceilings, Paint ceiling color P1 unless noted otherwise.
Note: Sheen as follows. Typical: Eggshell, Ceiling: Flat, Trim/Frames: Semi-gloss. Steel columns: Primer finish - Flat

PE1

Epoxy Paint SW 7004 Snow Bound

P1

SW 7042 Shoji White

P2

SW 7675 Sealskin

P3

SW 6607 Red Tomato

P4

SW 6993 Black of Night

Other

M1

BLACKENED METAL
MFG: TBD
FINISH: Clear matte finish on Hot Rolled steel w natural dark color variation

M2

BLACKENED METAL
MFG: TBD
FINISH: Clear matte finish on Steel tubing/flat bar w natural dark appearance
*Note: Ground all welded joints, miter joints smooth and touch up - darkened. Typ.

M3

BLACKENED METAL
MFG: TBD
FINISH: Expanded metal - Openings not more than 1", typ. Flattened version for less sharp openings.

WD1

WOOD FINISH
SPECIES: White Oak, rift sawn
GRADE: Light character
FINISH: Prefinished w light stain to match arch's sample

WD2

WOOD FINISH
SPECIES: Match butcher block tables
GRADE: Medium Character
FINISH: Prefinished w stain to match arch's sample

QZ1

QUARTZ COUNTERTOP
MFG: Cambria
STYLE: Marble
COLOR: Carrick
SIZE: 3cm

**General note: GC to provide physical samples of all finish materials prior to approval.

A1 First Floor Plan
1/4" = 1'-0"



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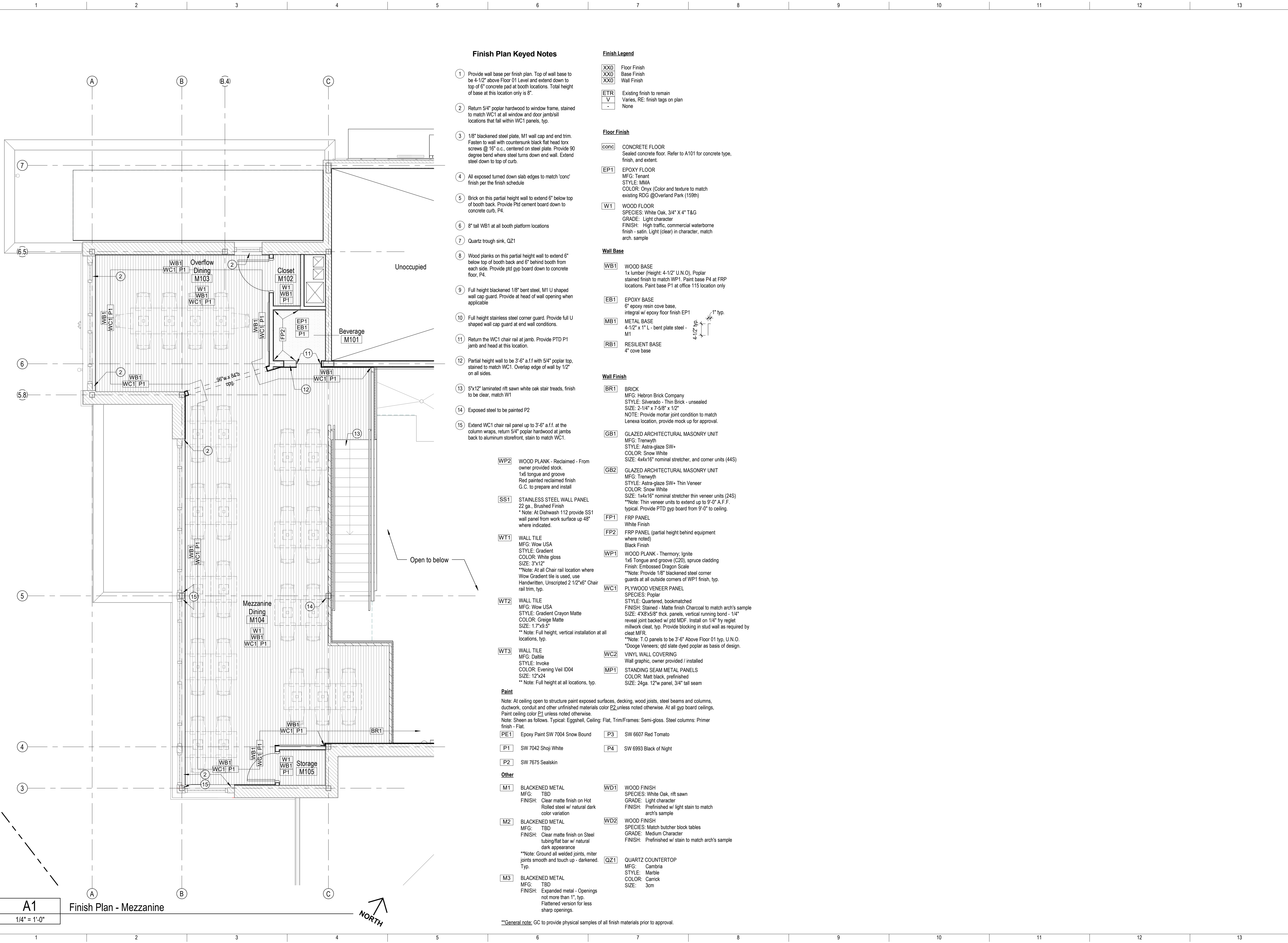
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Finish Plan Keyed Notes

- 1 Provide wall base per finish plan. Top of wall base to be 4-1/2" above Floor 01 Level and extend down to top of 6" concrete pad at booth locations. Total height of base at this location only is 8".
- 2 Return 5/4" poplar hardwood to window frame, stained to match WC1 at all window and door jamb/all locations that fall within WC1 panels, typ.
- 3 1/8" blackened steel plate, M1 wall cap and end trim. Fasten to wall with countersunk black flat head torx screws @ 16" o.c., centered on steel plate. Provide 90 degree bend where steel turns down end wall. Extend steel down to top of curb.
- 4 All exposed turned down slab edges to match 'conc' finish per the finish schedule
- 5 Brick on this partial height wall to extend 6" below top of booth back. Provide Ptd cement board down to concrete curb, P4.
- 6 8" tall WB1 at all booth platform locations
- 7 Quartz trough sink, QZ1
- 8 Wood planks on this partial height wall to extend 6" below top of booth back and 6" behind booth from each side. Provide ptd gyp board down to concrete floor, P4.
- 9 Full height blackened 1/8" bent steel, M1 U shaped wall cap guard. Provide at head of wall opening when applicable
- 10 Full height stainless steel corner guard. Provide full U shaped wall cap guard at end wall conditions.
- 11 Return the WC1 chair rail at jamb. Provide PTD P1 jamb and head at this location.
- 12 Partial height wall to be 3'-6" a.f.f with 5/4" poplar top, stained to match WC1. Overlap edge of wall by 1/2" on all sides.
- 13 5'x12" laminated rift sawn white oak stair treads, finish to be clear, match W1
- 14 Exposed steel to be painted P2
- 15 Extend WC1 chair rail panel up to 3'-6" a.f.f. at the column wraps, return 5/4" poplar hardwood at jambs back to aluminum storefront, stain to match WC1.

- WP2 WOOD PLANK - Reclaimed - From owner provided stock. 1x6 tongue and groove Red painted reclaimed finish G.C. to prepare and install
- SS1 STAINLESS STEEL WALL PANEL 22 ga., Brushed Finish
* Note: At Dishwash 112 provide SS1 wall panel from work surface up 48" where indicated.
- WT1 WALL TILE
MFG: Wow USA
STYLE: Gradient
COLOR: White gloss
SIZE: 3"x12"
*Note: At all Chair rail location where Wow Gradient tile is used, use Handwritten, Unscripted 2 1/2"x6" Chair rail trim, typ.
- WT2 WALL TILE
MFG: Wow USA
STYLE: Gradient Crayon Matte
COLOR: Greige Matte
SIZE: 17"x9.5"
* Note: Full height, vertical installation at all locations, typ.
- WT3 WALL TILE
MFG: Daltile
STYLE: Invoke
COLOR: Evening Veil ID04
SIZE: 12"x24
* Note: Full height at all locations, typ.

Paint

Note: At ceiling open to structure paint exposed surfaces, decking, wood joists, steel beams and columns, ductwork, conduit and other unfinished materials color P2 unless noted otherwise. At all gyp board ceilings, Paint ceiling color P1 unless noted otherwise.
Note: Sheen as follows. Typical: Eggshell, Ceiling: Flat, Trim/Frames: Semi-gloss. Steel columns: Primer finish - Flat.

- PE1 Epoxy Paint SW 7004 Snow Bound
- P1 SW 7042 Shoji White
- P2 SW 7675 Sealskin
- P3 SW 6607 Red Tomato
- P4 SW 6993 Black of Night

Other

- M1 BLACKENED METAL
MFG: TBD
FINISH: Clear matte finish on Hot Rolled steel w/ natural dark color variation
- M2 BLACKENED METAL
MFG: TBD
FINISH: Clear matte finish on Steel tubing/flat bar w/ natural dark appearance
*Note: Ground all welded joints, miter joints smooth and touch up - darkened. Typ.
- M3 BLACKENED METAL
MFG: TBD
FINISH: Expanded metal - Openings not more than 1" typ. Flattened version for less sharp openings.
- WD1 WOOD FINISH
SPECIES: White Oak, rift sawn
GRADE: Light character
FINISH: Prefinished w/ light stain to match arch's sample
- WD2 WOOD FINISH
SPECIES: Match butcher block tables
GRADE: Medium Character
FINISH: Prefinished w/ stain to match arch's sample
- QZ1 QUARTZ COUNTERTOP
MFG: Cambria
STYLE: Marble
COLOR: Carrick
SIZE: 3cm

Finish Legend

- XX0 Floor Finish
- XX0 Base Finish
- XX0 Wall Finish
- ETR Existing finish to remain
- V Varies, RE: finish tags on plan
- None

Floor Finish

- conc CONCRETE FLOOR
Sealed concrete floor. Refer to A101 for concrete type, finish, and extent.
- EP1 EPOXY FLOOR
MFG: Tennant
STYLE: MMA
COLOR: Onyx (Color and texture to match existing RDG @Overland Park (159th))
- W1 WOOD FLOOR
SPECIES: White Oak, 3/4" X 4" T&G
GRADE: Light character
FINISH: High traffic, commercial waterborne finish - satin Light (clear) in character, match arch. sample

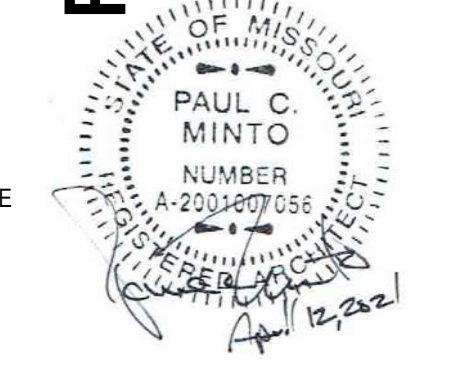
Wall Base

- WB1 WOOD BASE
1x lumber (Height: 4-1/2" U.N.O), Poplar stained finish to match WP1. Paint base P4 at FRP locations. Paint base P1 at office 115 location only
- EB1 EPOXY BASE
6" epoxy resin cover base, integral w/ epoxy floor finish EP1
- MB1 METAL BASE
4-1/2" x 1" L - bent plate steel - M1
- RB1 RESILIENT BASE
4" cove base

Wall Finish

- BR1 BRICK
MFG: Hebron Brick Company
STYLE: Silverado - Thin Brick - unsealed
SIZE: 2-1/4" x 7-5/8" x 1 1/2"
NOTE: Provide mortar joint condition to match Lenexa location, provide mock up for approval.
- GB1 GLAZED ARCHITECTURAL MASONRY UNIT
MFG: Tremwyth
STYLE: Astra-glaze SW+
COLOR: Snow White
SIZE: 4x4x16" nominal stretcher, and corner units (44S)
- GB2 GLAZED ARCHITECTURAL MASONRY UNIT
MFG: Tremwyth
STYLE: Astra-glaze SW+ Thin Veneer
COLOR: Snow White
SIZE: 14x16" nominal stretcher thin veneer units (24S)
*Note: Thin veneer units to extend up to 9'-0" A.F.F. typical. Provide PTD gyp board from 9'-0" to ceiling.
- FP1 FRP PANEL
White Finish
- FP2 FRP PANEL (partial height behind equipment where noted)
Black Finish
- WP1 WOOD PLANK - Thermory; Ignite
1x6 Tongue and groove (C20), spruce cladding
Finish: Embossed Dragon Scale
*Note: Provide 1/8" blackened steel corner guards at all outside corners of WP1 finish, typ.
- WC1 PLYWOOD VENEER PANEL
SPECIES: Poplar
STYLE: Quartered, bookmatched
FINISH: Stained - Matte finish Charcoal to match arch's sample
SIZE: 4'8"x5'8" thick, panels, vertical running bond - 1/4" reveal joint backed w/ ptd MDF. Install on 1/4" dry reglet miterwork cleat, typ. Provide blocking in stud wall as required by cleat MFR.
*Note: T.O panels to be 3'-6" Above Floor 01 typ, U.N.O. *Dooge Veneers; qtd slate dyed poplar as basis of design.
- WC2 VINYL WALL COVERING
Wall graphic, owner provided / installed
- MP1 STANDING SEAM METAL PANELS
COLOR: Matt black, prefinished
SIZE: 24ga. 12"w panel, 3/4" tall seam

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Missouri Certificate of Authority: #
 PROJECT NUMBER: 20-033
 ISSUE DATE: 9 April 2021

REVISIONS	DATE
1 Bid/Permit Set	04.16.2021
2 Addendum 01	05.03.2021
3 Plans Review Comments	05.12.2021

GENERAL NOTES - STRUCTURAL

- The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies, inconsistencies, or difficulties affecting the work before proceeding.
 - The contractor shall coordinate all disciplines, verifying size and location of all openings, whether shown on structural drawings or not, as called for an architectural, mechanical, or electrical drawings. Conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before proceeding.
 - All design and construction work for this project shall conform to the requirements of the 2018 International Building Code, as amended by the City of Lee's Summit, Missouri.
 - These drawings are for this specific project and no other use is authorized.
- Structural Design Load Criteria:**
- Mezzanine Live Load = 100psf
 - Dead Load:
Roof = 20 psf
- Live Load = 25 psf
Roofs = 15 psf
- Snow = Pg = 20psf
Drift per ASCE/SEI 7-16
- Lateral Loads:**
- Wind V = 109 mph Exposure 'C'
Occupancy [Risk] Category II, Iw=I0
Gcpi=1.0
Design wind pressures to be used for the design of exterior component and cladding materials on the designated zones of wall and roof surfaces shall be per section 30.7 and Table 30.7-2 of ASCE/SEI 7-16. Tabulated pressures shall be multiplied by effective area reduction factors, exposure adjustment factors, and topographic factors where applicable.
- Concrete:**
- All concrete for foundations (walls, grade beams, and footings) shall develop minimum ultimate compressive design strength of 3500 psi in 28 days, but not less than 500 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 6 gallons of water per 100 pounds of cement and not over 4 inches of slump.
 - All concrete for interior flat work shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than 560 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 6 gallons of water per 100 pounds of cement and not over 4 inches of slump.
 - All concrete for exterior flatwork shall have a minimum design compressive strength of 4500 psi in 28 days, with not less than 560 pounds of cement per cubic yard of concrete, not over 6 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump.

- lapped 4# bar diameters (3'-0" minimum) at splices and embedment, unless shown otherwise. Splice top bars near midspan and splice bottom bars over supports, unless noted otherwise.
- F. Accessories shall be as specified in latest edition of the ACI Detailing Handbook and the concrete Reinforcing Steel Institute Design Handbook. Maximum accessory spacing Strong Tie or an approved equal. Joist hangers shall be equal to "LUS" for wood application and "LB" for steel weld-on application. Roof joist ties shall be equal to "H2.5".
- G. All slabs and stairs not shown otherwise shall be 6" thick with #4 bars at 12" on center each way.

Structural Steel:

- All structural steel beams and columns shall be ASTM A992, grade 50 steel and all miscellaneous steel shall be ASTM A36 grade steel (except at moment connections where plates shall be ASTM A572, grade 50). Hollow Structural Sections (HSS) shall be ASTM A500, grade B. Fabrication and erection shall be in accordance with AISC 305-05 "Code of Standard Practice for Steel Buildings and Bridges" in the 15th Edition of the AISC Steel Construction Manual.
- All welding shall conform to the recommendations of the AWS.
- All bolts not otherwise specified shall be 3/4" diameter high strength (ASTM A325-N). All bolts shall be fully pretensioned. All beam connections shall be designed per the AISC Steel Construction Manual "Framed Beam Connections" for the indicated reactions or at least 0.4 x beam total shear capacity, Vn/Omega, shown in the maximum total uniform load tables, whichever is greater; and, shall account for eccentricity when the bolt line is more than 2x from the center of the support. All connections must be two bolt minimum.

Post-Installed Anchors:

- Post-installed anchors shall be used only where specified on the drawings unless approved in writing by the engineer of record. See drawings for anchor diameter, spacing and embedment. Performance values of the anchors shall be obtained for specified products using appropriate design procedures and/or standards as required by the governing building code. Anchors installed in concrete shall have an ICC-ES Evaluation Service Report. Special inspection is required for all post-installed anchors.
- Mechanical anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ICC-ES AC108. All anchors shall be installed per the anchor manufacturer's written instructions.
- Adhesive anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ICC-ES AC308. All anchors shall be installed per the anchor manufacturer's written instructions.
- Mechanical anchors used in solid grouted masonry shall have been tested and qualified for use in accordance with ICC-ES AC101. All anchors shall be installed per the anchor manufacturer's written instructions.
- Adhesive anchors used in solid grouted masonry shall have been tested and qualified for use in accordance with ICC-ES AC508. All anchors shall be installed per the anchor manufacturer's written instructions.

Foundations:

- Spread footings and grade beams are designed to bear on engineered fill or undisturbed soil capable of safely sustaining 2000 psf.
 - Contractor shall provide for dewatering at excavations from either surface water or seepage.
 - All foundation excavations shall be inspected by a qualified soil engineer, approved by the architect and/or structural engineer, prior to placement of steel or concrete. This inspection shall be at the owner's expense.
 - Moisture content in soils beneath building locations should not be allowed to change after footing excavations and after grading for slabs on grade are completed. If subgrade materials become desiccated or softened by water or other conditions, recompact materials to the density and water content specified for engineered fill. Do not place concrete on frozen ground.
- Light Gauge Structural Stud Framing:**
- All load bearing light gauge structural studs, track, and bridging shall be of the type, size, gage, and spacing as shown on the plans, minimum.
 - All materials shall be 33,000 psi minimum yield, except studs of 16 gage or heavier shall have a minimum yield of 50,000 psi.
 - All properties, fabrication, and erection shall be in accordance with latest editions of the AISI Specifications for the Design of Cold-Formed Structural Members.
 - All framing components shall be cut squarely or at an angle to fit squarely against abutting members. Splicing of axially loaded members is not permitted. Members shall be held firmly in place until properly fastened. Attachments of similar components shall be by welding, screw attachment, or bolting. Wire tying of components is not permitted.
 - Tracks shall be securely anchored to floor and overhead members. Special anchorage requirements required for wind bracing shall be as shown on the plans.

Timber and Wood Framing:

- Quality and construction of wood framing members and their fasteners for load supporting purposes not otherwise indicated on the drawings shall be in accordance with the 2018 International Building Code.
- All studs and top and bottom plates shall be Douglas Fir No. 2 grade visually graded lumber, with an allowable fiber stress in bending of 900 psi minimum and an elastic modulus of 1,600,000psi unless noted otherwise. All joist, truss members, and headers to be No.2 grade (min. unless noted otherwise).
- Blocking of stud bearing walls and shear walls shall be solid, matching sheathing joints.
- Joist blocking and bridging shall be solid wood or cross bridging of either wood or metal straps. Spacing, in any case, shall not exceed 8'-0".
- Wood members and sheathing shall be fastened with number and size of fasteners not less than that set forth in Table 2304.4.1 of the 2018 International Building Code. Floor sheathing shall be APA rated tongue and groove Surf-I-Floor, exposure I, glued and nailed with 8d ring shank nails or #10 screws at 12" on center to all supports. All floor sheathing shall be installed with 1/8" gaps between panel edges and end joints. Sheathing of exterior walls or roof diaphragms shall be edge nailed with 8d common nails at 6" on center and nailed to intermediate framing and/or blocking members with 8d common nails at 12" on center.

Shop Drawing Review:

- Bob D. Campbell and Company, Inc. will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete, to be a properly functioning integral element of the overall structural system designed by Bob D. Campbell and Company, Inc.
 - Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc. the GC shall:
 - Review each submission for conformance with the means, methods, techniques, sequences and operations of construction on the structural drawings, but do not submit incidental thereto, all of which are the sole responsibility of the GC.
 - Review and approve each submission.
 - Stamp each submission as approved.
 - Bob D. Campbell and Company, Inc. shall assume that no submission comprises a variation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation of the variation on the structural drawings, but do not submit framing specified on non-structural drawings for Bob D. Campbell and Company, Inc. review.
 - Structural steel connection design calculations submitted concurrently with structural steel shop drawings.
 - Construction and control joint plans and/or elevations.
- Bob D. Campbell and Company, Inc. shall review shop drawings and related material and shall provide a written report on each submission. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submissions without GC approval stamp.

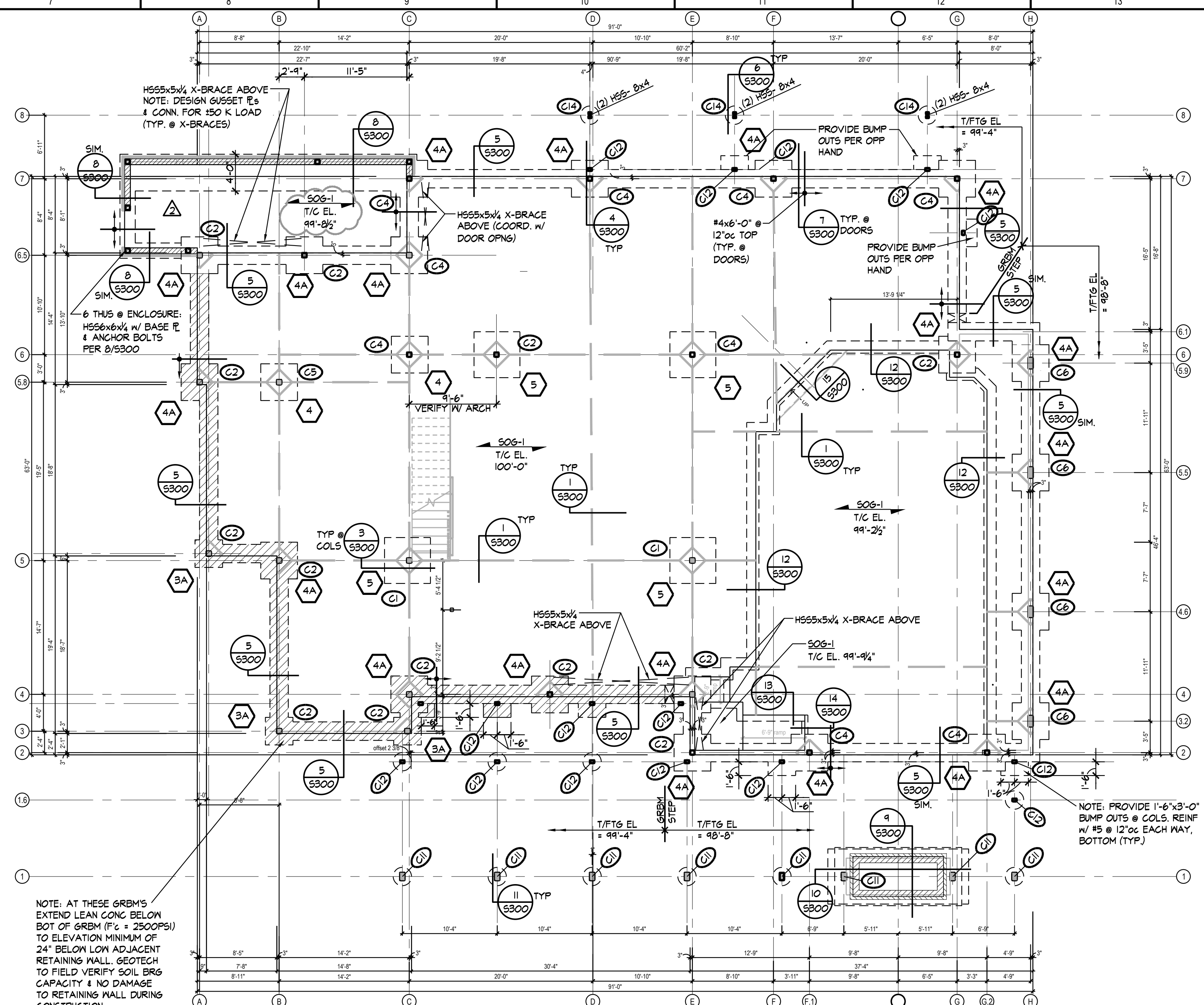
Statement of Structural Special Inspection:

- The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the 2018 International Building Code. The owner shall employ one or more qualified special inspectors to provide the required special inspections.
- The following inspections and tests are required with the frequency (continuous or periodic) as defined within the referenced section or standard listed below. The General Contractor shall provide notification to the inspector when items requiring inspection are ready to be inspected and provide access for those inspections.
 - Shop Fabrication - structural steel and steel bar joist per Section 1704.2.3 unless AISC certified shop
 - Steel construction per Section 1705.2 and the quality assurance requirements of AISC 341 Chapter J (as referenced by AISC 360)
 - Concrete construction per Section 1705.3 and Table 1705.3
 - Reinforcing Steel Placement
 - Bolts in Concrete
 - Post-Installed Anchors
 - Design Mix Verification
 - Concrete Sampling and Testing
 - Concrete Placement
 - Structural Welding
 - Drill & Epoxy Bolts
 - High Strength Bolting
 - Verification of Soil Bearing Capacities

- The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other designated person.
- All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority, building official and structural engineer.
- The special inspector shall submit a final signed report stating that the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable non-workshop provisions of the building code.

Copyright and Disclaimer:

- All drawings in the structural set (5-series drawings) are the copyrighted work of Bob D. Campbell and Company, Inc. These drawings may not be photocopied, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed for distribution to the owner, architect, and general contractor for coordination, bidding and construction. Subcontractors may not reproduce these drawings for any purpose or in any manner.
- Michael J. Falbe, P.E., registered engineer and representative of Bob D. Campbell and Company, Inc., do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of 5-series drawings. I hereby disclaim responsibility for all other drawings in the construction document package, they being the responsibility of other design professionals whose seals and signed statements may appear elsewhere in the construction document package.

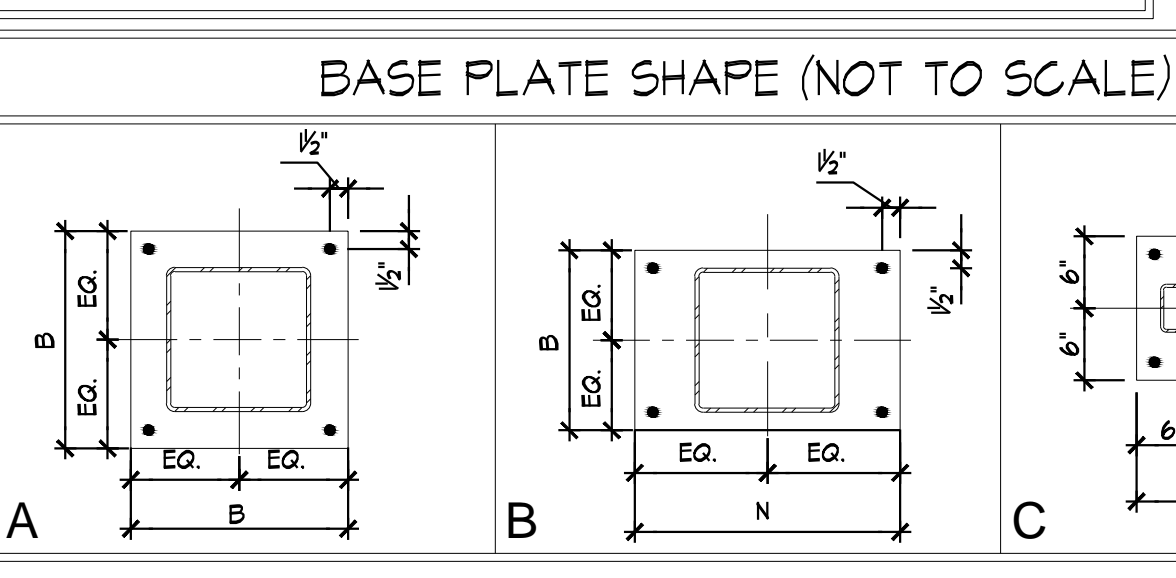


COLUMN BASE PLATE SCHEDULE

TYPE	COLUMN	BASE PLATE (lbxBxN)	SHAPE	ANCHOR BOLTS
(C1)	HSS-5x5x1/4	11"x12"x11"	A	(4) 3/4"x1'-9" (3" HK)
(C2)	HSS-6x6x1/4	12"x12"x12"	A	(4) 3/4"x1'-9" (3" HK)
(C4)	HSS-6x6x5/16	12"x3/4"x12"	A	(4) 3/4"x1'-9" (3" HK)
(C5)	HSS-3"x3"x3/5x1/16	10"x12"x10"	A	(4) 3/4"x1'-5" (3" HK)
(C6)	HSS-14x6x5/16	12"x1"x24"	B	(4) 1"x2'-6" (3" HK)
(C11)	HSS-10x6x1/4	16"x3/4"x12"	B	(4) 3/4"x2'-0" (3" HK)
(C12)	HSS-6x4x1/4	14"x3/4"x8"	B	(4) 3/4"x2'-0" (3" HK)
(C14)	(2) HSS-8x4x1/4	12"x3/4"x22"	D	(4) 3/4"x1'-9" (3" HK)

NOTES:

- SEE PLAN FOR ORIENTATION OF COLUMNS.
- PROVIDE PLATE WASHED & EMBEDDED PLATE PER SCHEDULE @ ALL AB's.
- UNO. ALL THREADED ROD AB'S SHALL BE F1554 (36ksi) MATERIAL.



FOOTING SCHEDULE

FOOTING TYPE	FOOTING SIZE	REINFORCING (EA WAY) (BOT)
3A	3'-0"x3'-0"x36"Dp	#5@12"
4	4'-0"x4'-0"x14"Dp	#4@6"
4A	4'-0"x4'-0"x36"Dp	#5@12"
5	5'-0"x5'-0"x18"Dp	#4@6"

- 7. Reinforcing Steel:**
- All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel. Welded plain wire fabric shall be supplied in sheets and conform to the requirements of ASTM A1064.
 - Clear coverage of concrete over reinforcing steel shall be as follows:

Concrete placed against earth	3"
Formed concrete against earth	2"
Slabs	1"
Other	2"
 - All coverage shall be nominal bar diameter minimum. All details shall be the same size and spacing as adjoining main bars (splice lap 4# bar diameters or 30" minimum unless noted otherwise).
 - At corners of all grade beams supply corner bars (minimum 2'-6" in each direction or 4# bar diameters) in outside face of wall, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply 3-#4 vertical support bars for corner bars.
 - Bars marked continuous and all vertical steel shall be

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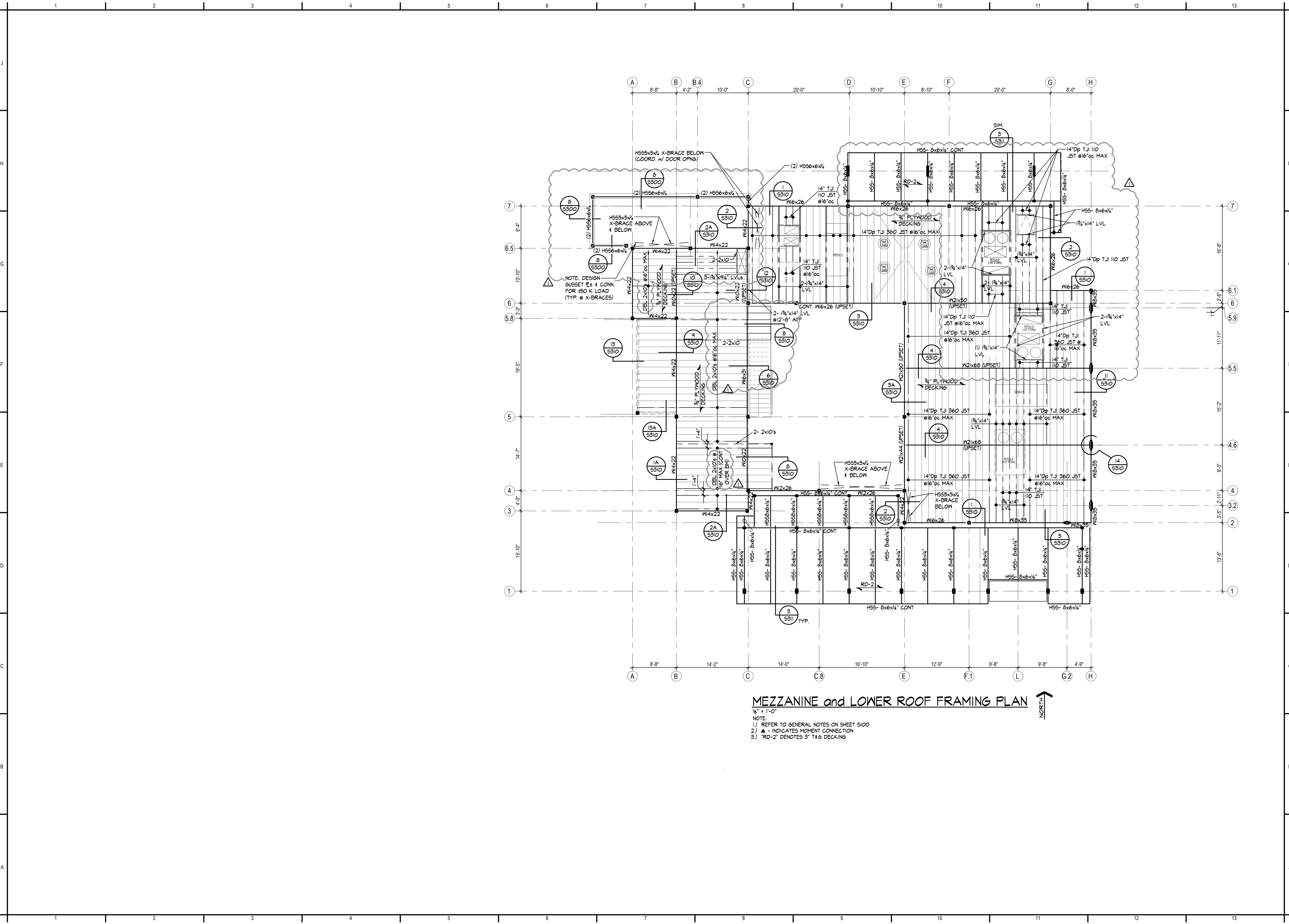
PROJECT NUMBER: 20-033
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1. Bid/Permit Set	04.16.2021
2. Addendum 01	05.03.2021

Foundation Plan

S100

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MEZZANINE and LOWER ROOF FRAMING PLAN

1/8" = 1'-0"
 NOTE:
 1) REFER TO GENERAL NOTES ON SHEET S100
 2) ▲ - INDICATES MOMENT CONNECTION
 3) RD-2' DENOTES 3" T&G DECKING

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Lower Roof Framing Plan

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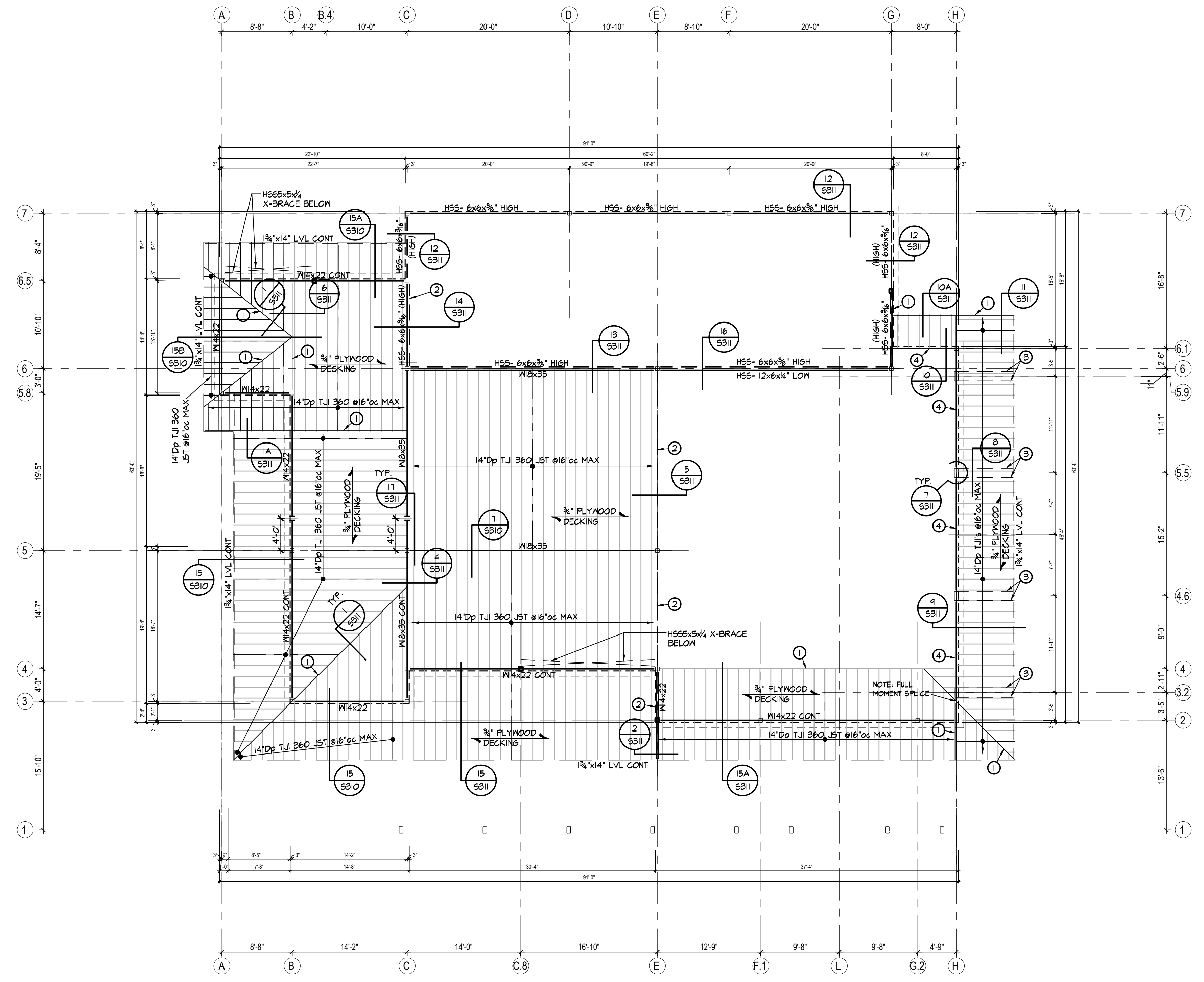
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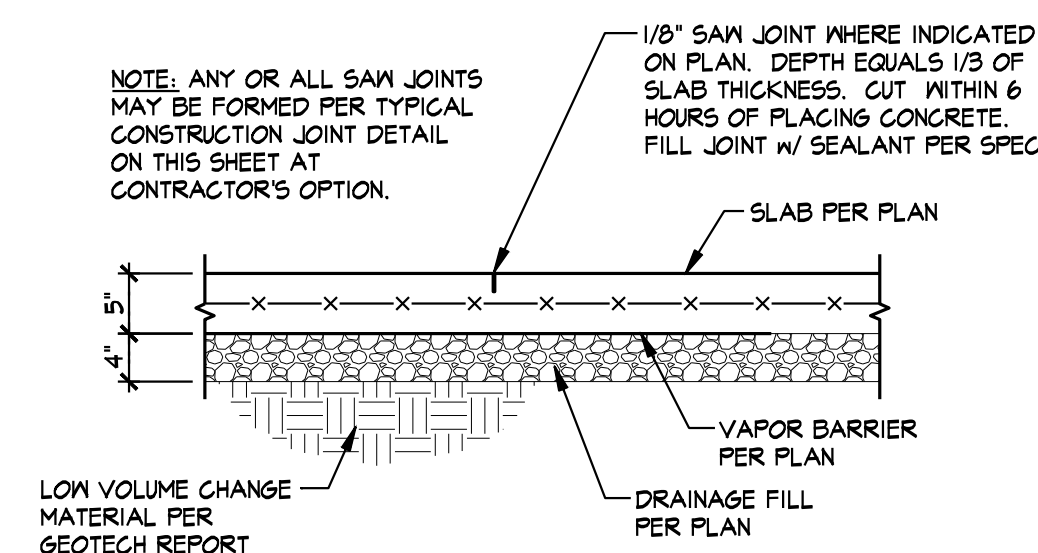
Upper Roof Framing Plan



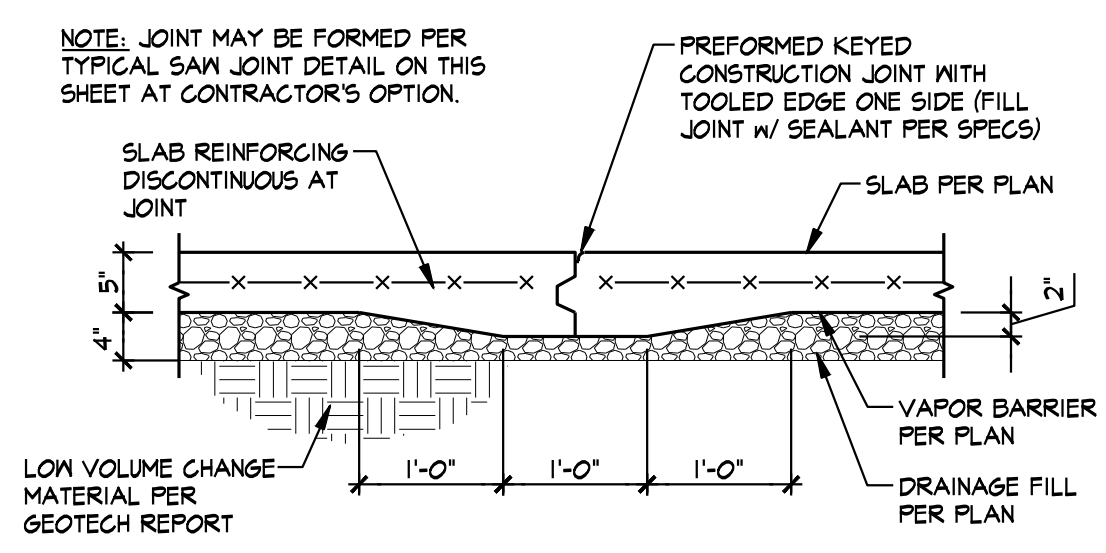
UPPER ROOF FRAMING PLAN

- 1/8" = 1'-0"
 NOTE:
 1) REFER TO GENERAL NOTES ON SHEET S100
 2) ① - INDICATES HSS-14x4x1/4
 ② - INDICATES 2- 1 3/4" x 14" LVL's
 ③ - INDICATES 2- 1/2" x 14" L's
 ④ - INDICATES HSS-14"x6"x1/4"

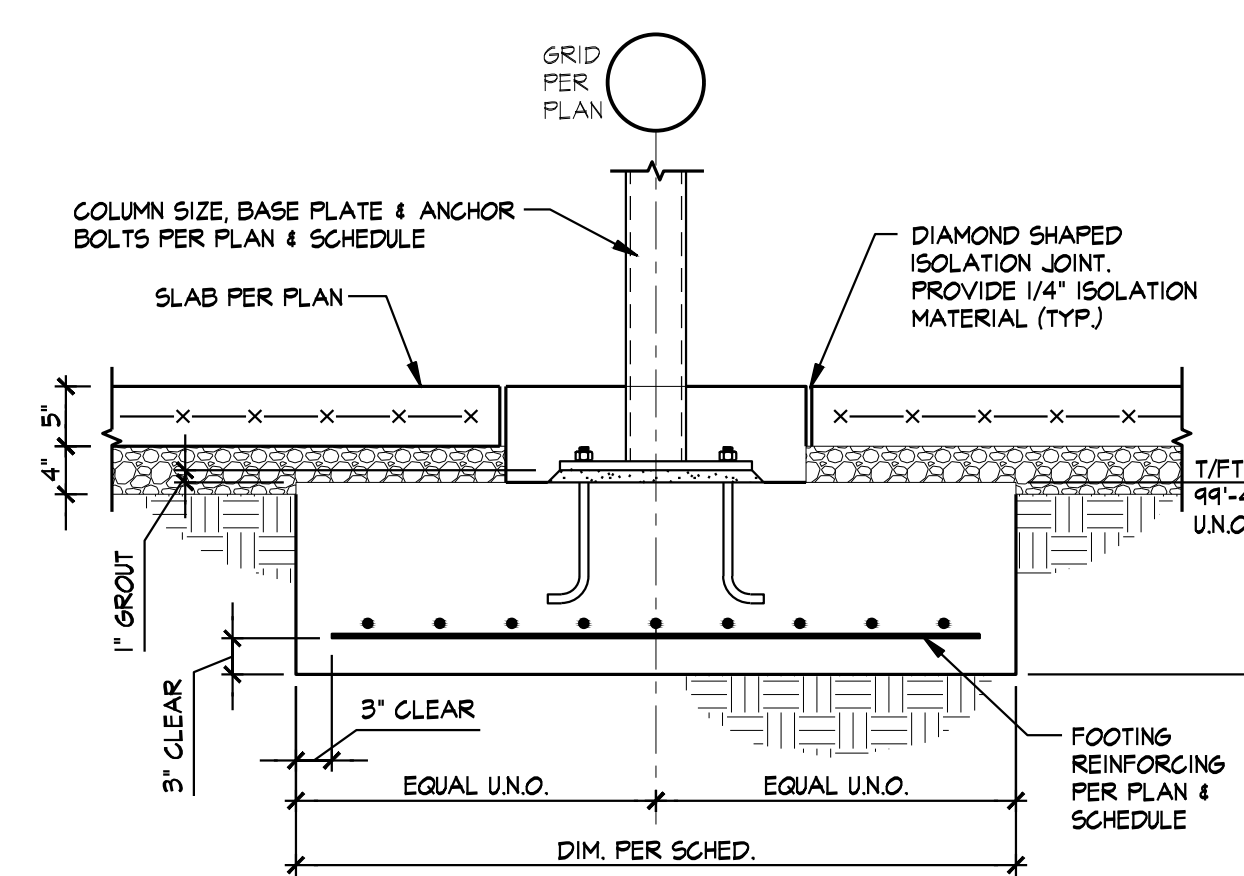




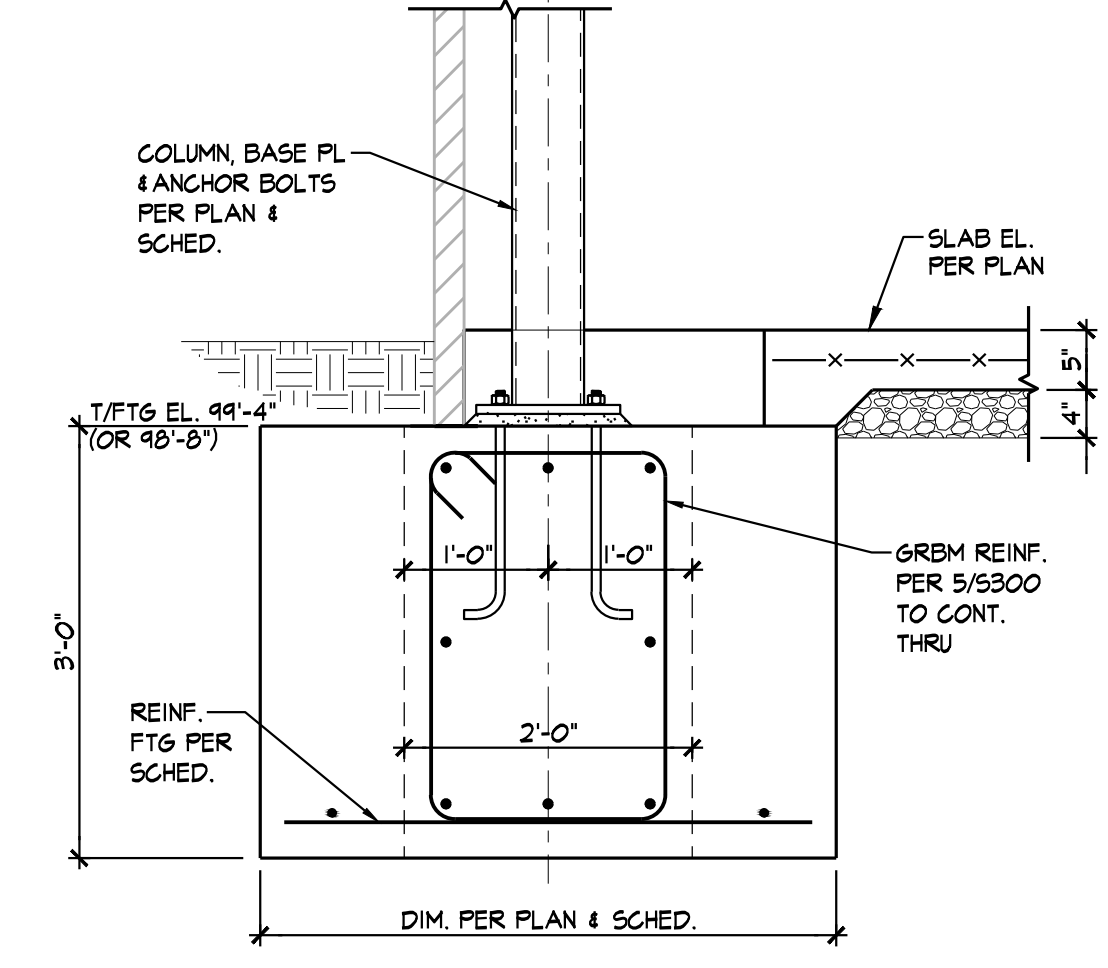
TYPICAL SAW JOINT NOTED "S.J." ON PLAN
SECTION 1
3/4" = 1'-0" (S300)



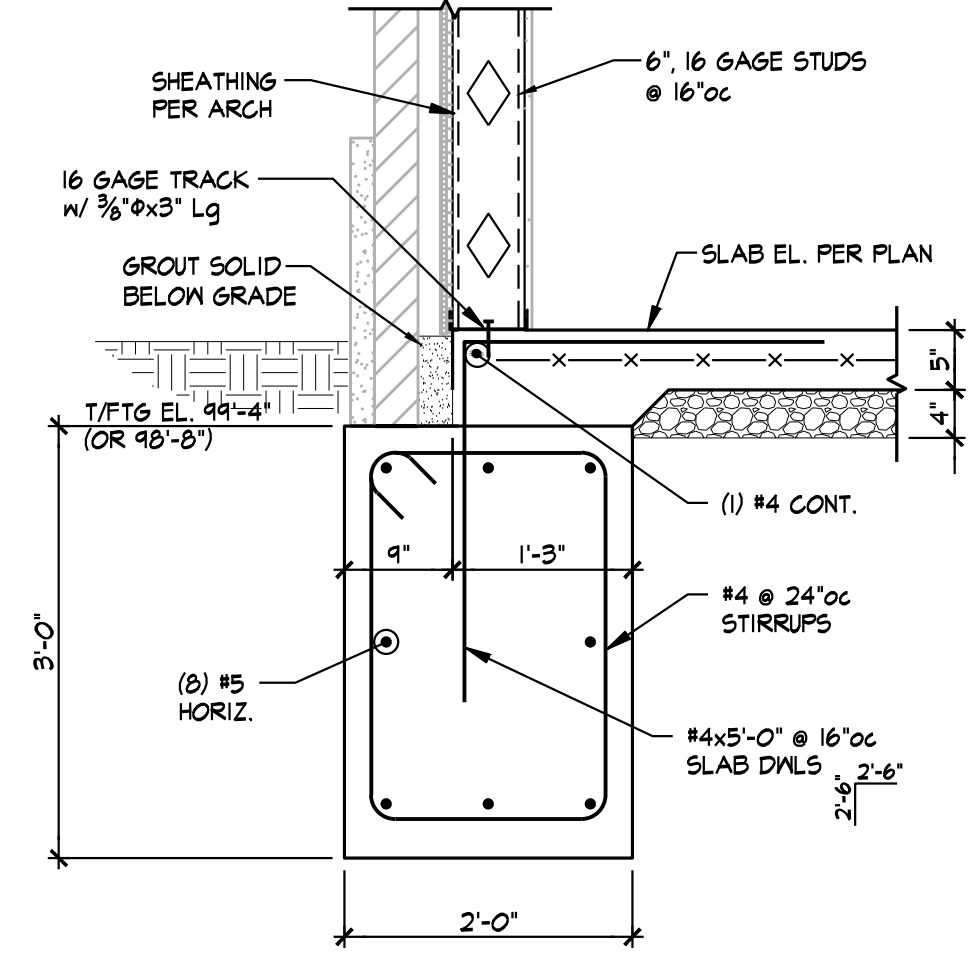
TYPICAL CONSTRUCTION JOINT NOTED "C.J." ON PLAN
SECTION 2
3/4" = 1'-0" (S300)



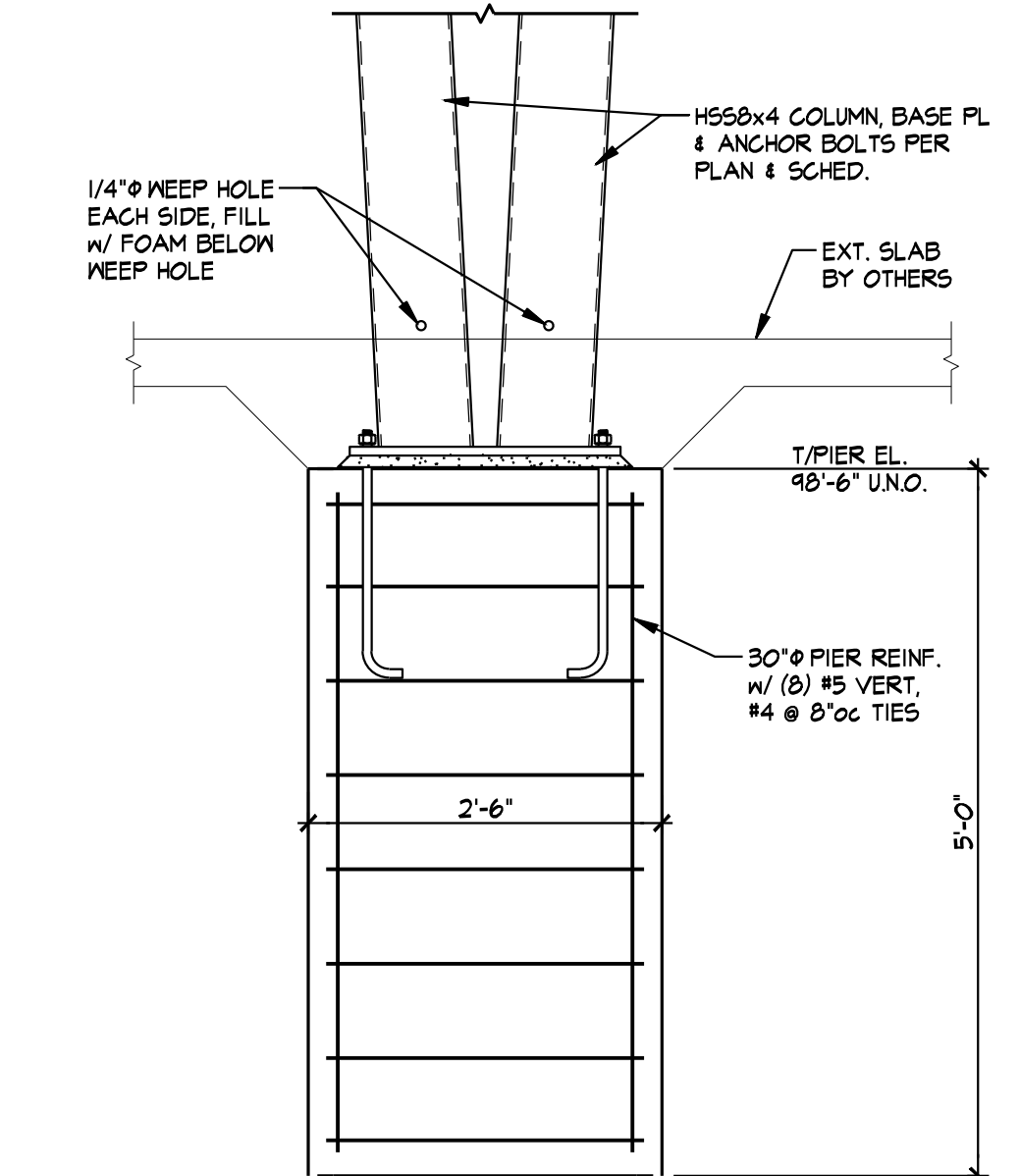
TYPICAL INTERIOR COLUMN FOOTING
SECTION 3
3/4" = 1'-0" (S300)



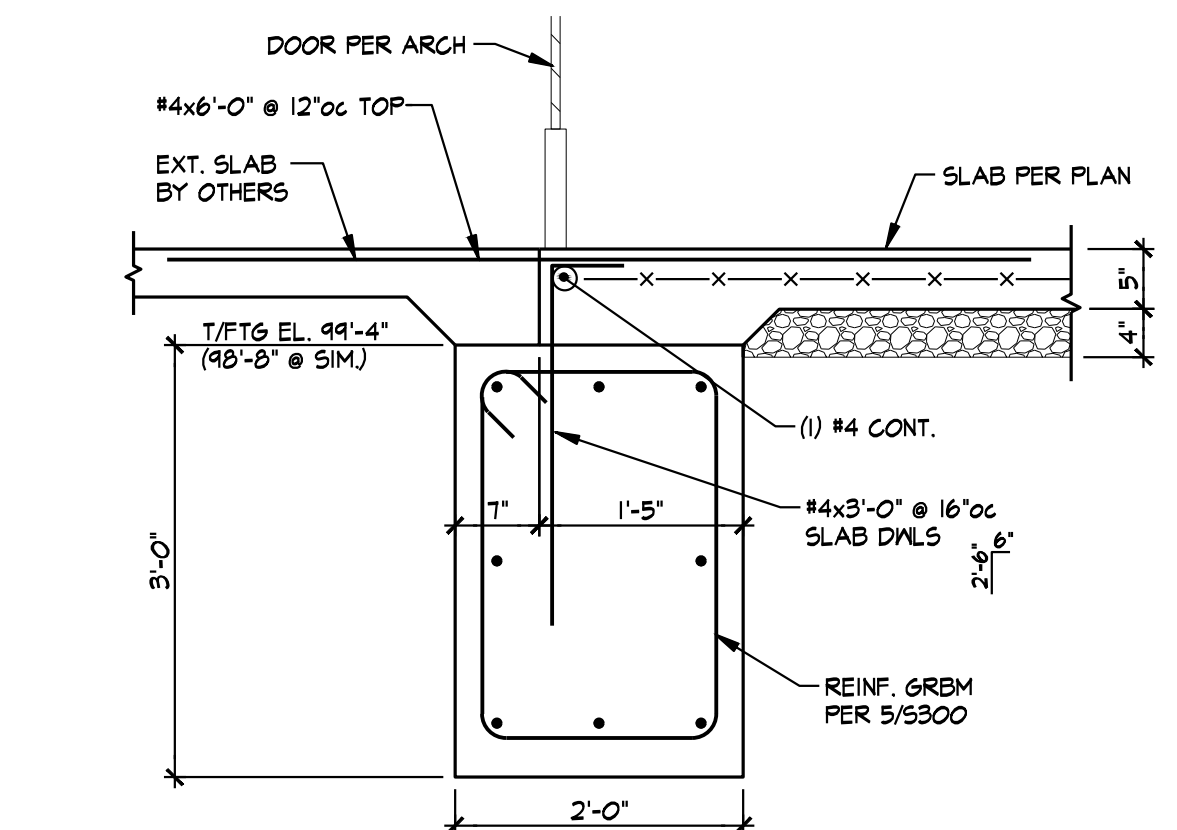
SECTION 4
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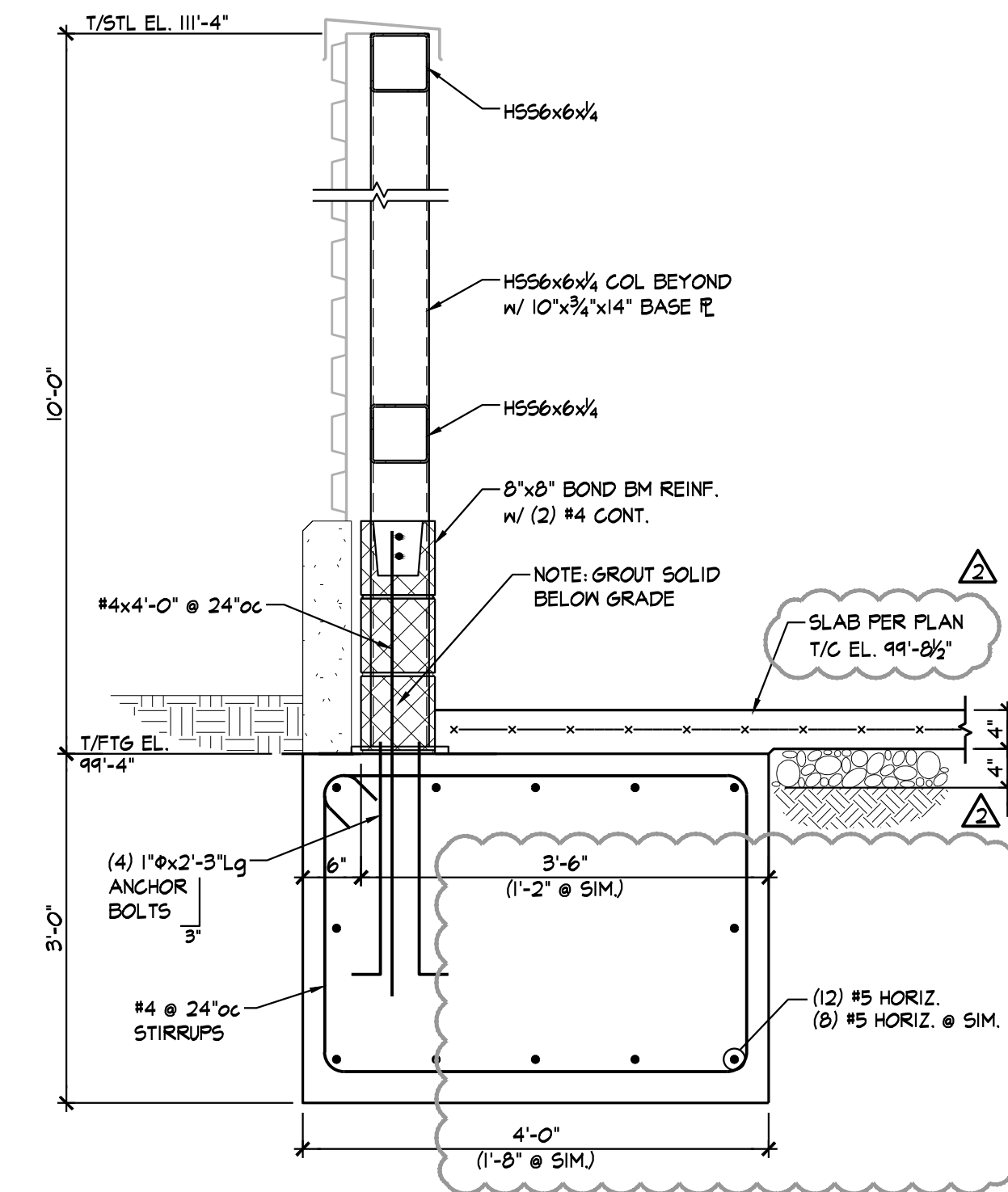
SECTION 5
3/4" = 1'-0" (S300)



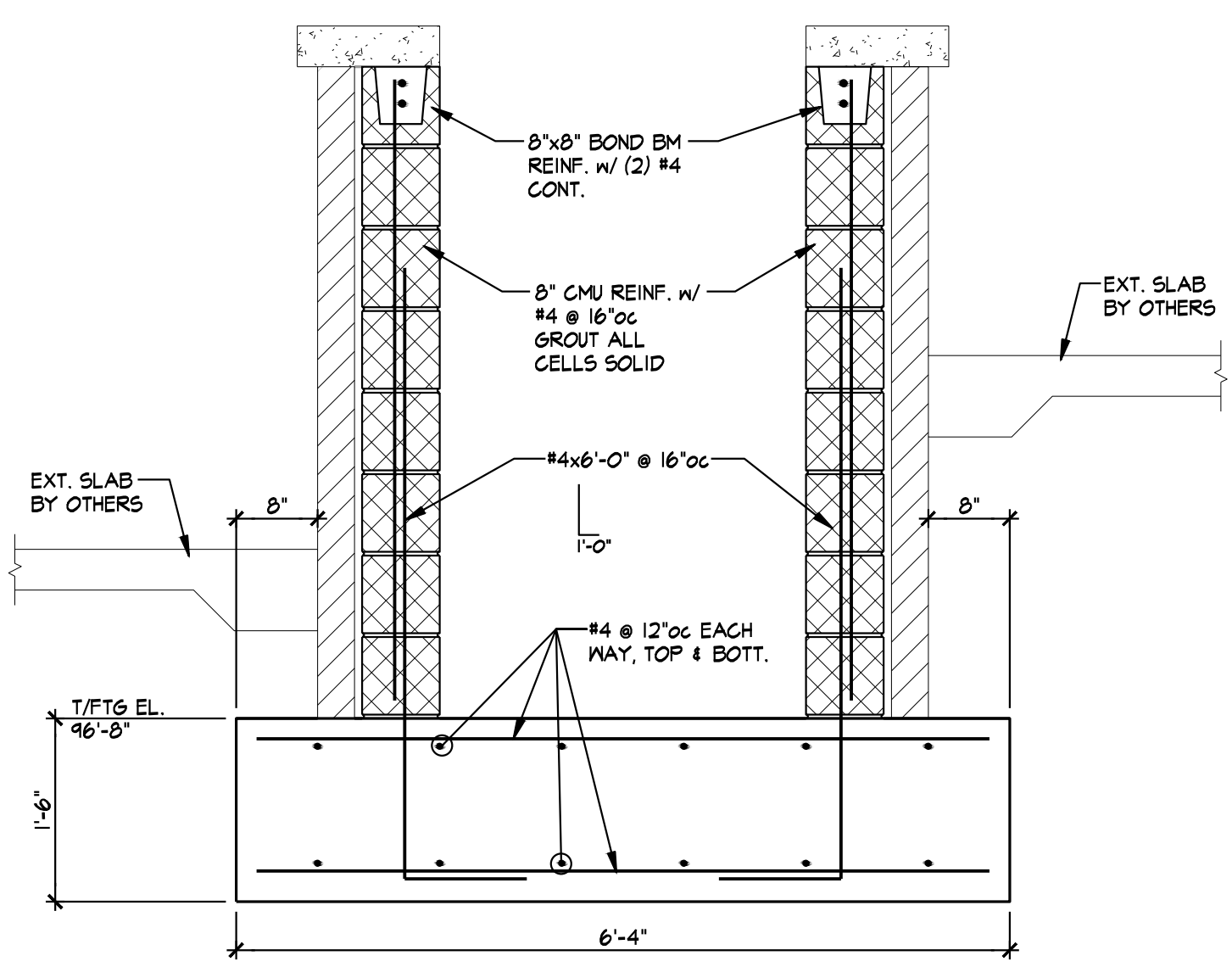
SECTION 6
3/4" = 1'-0" (S300)



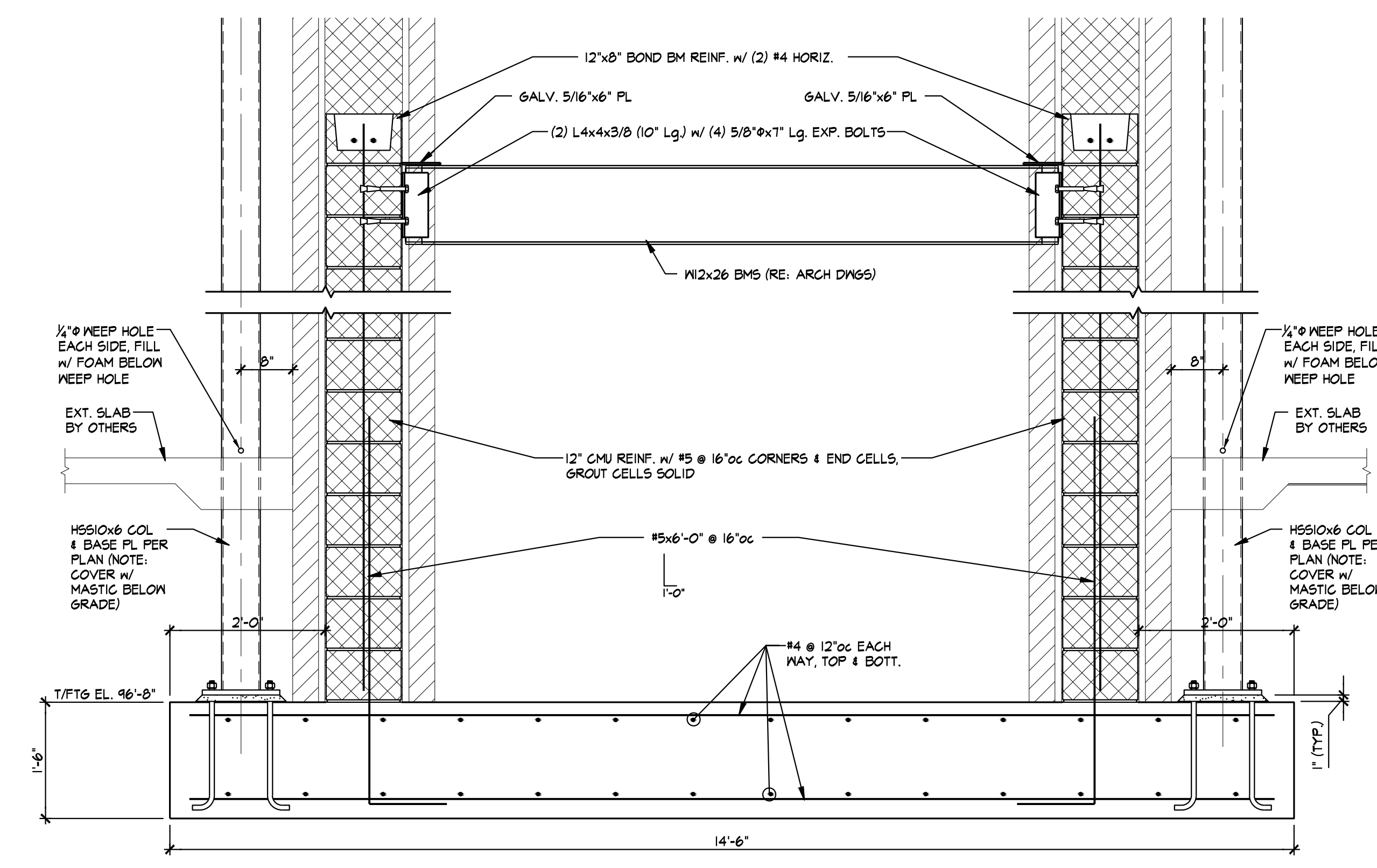
SECTION 7
3/4" = 1'-0" (S300)



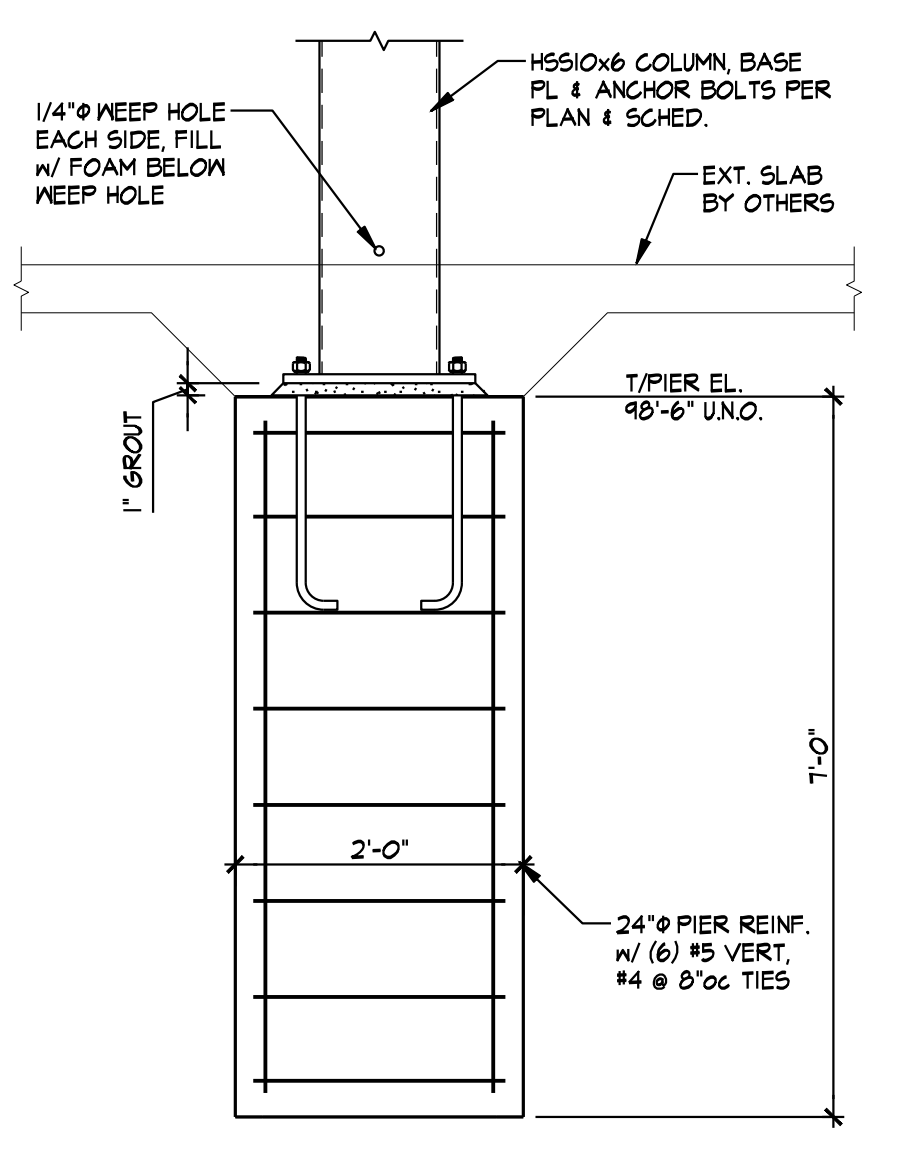
SECTION 8
3/4" = 1'-0" (S300)



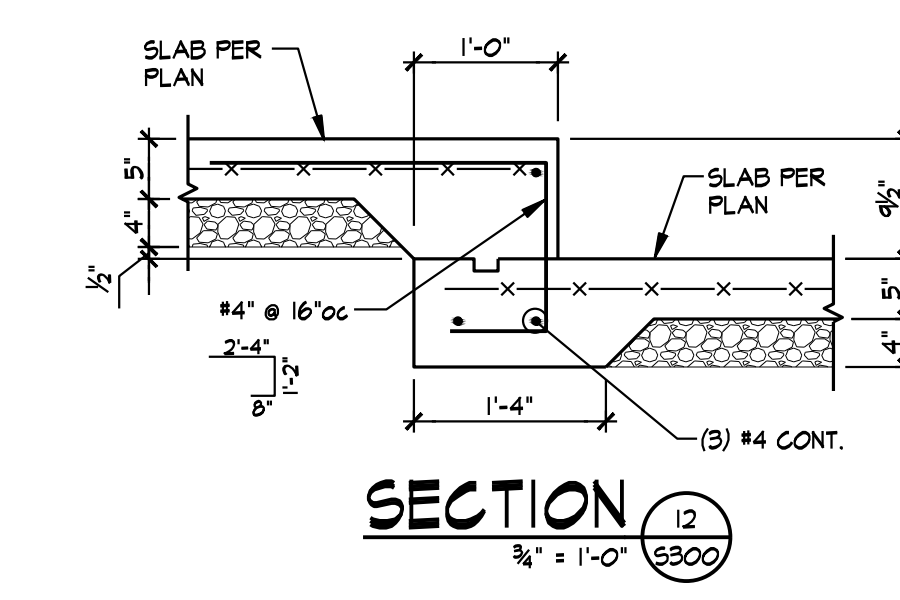
SECTION 9
3/4" = 1'-0" (S300)



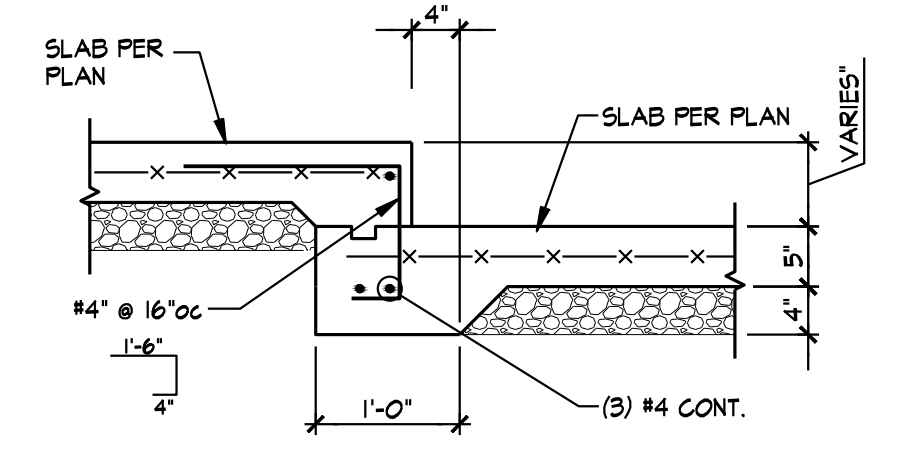
SECTION 10
3/4" = 1'-0" (S300)



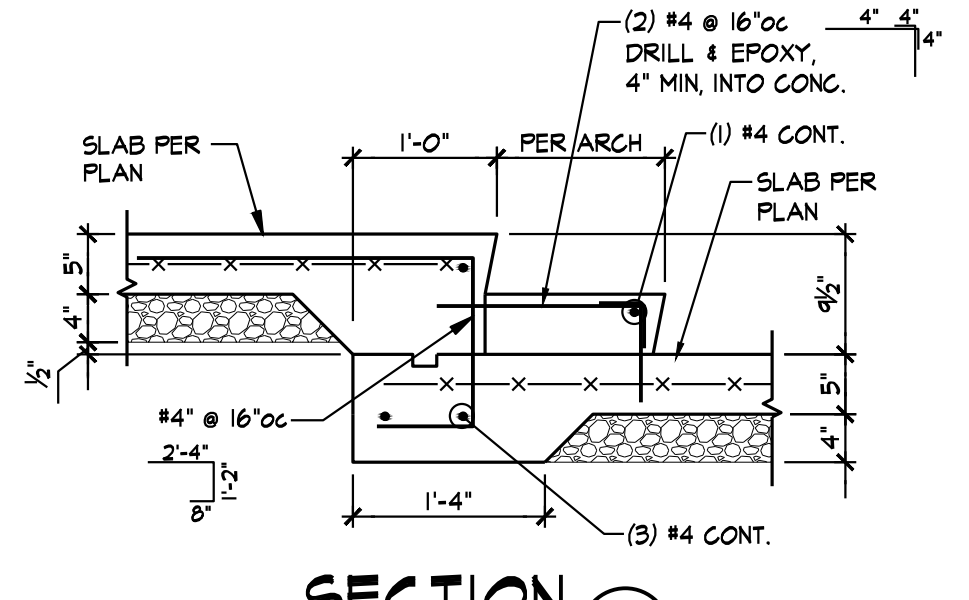
SECTION 11
3/4" = 1'-0" (S300)



SECTION 14
3/4" = 1'-0" (S300)



SECTION 13
3/4" = 1'-0" (S300)



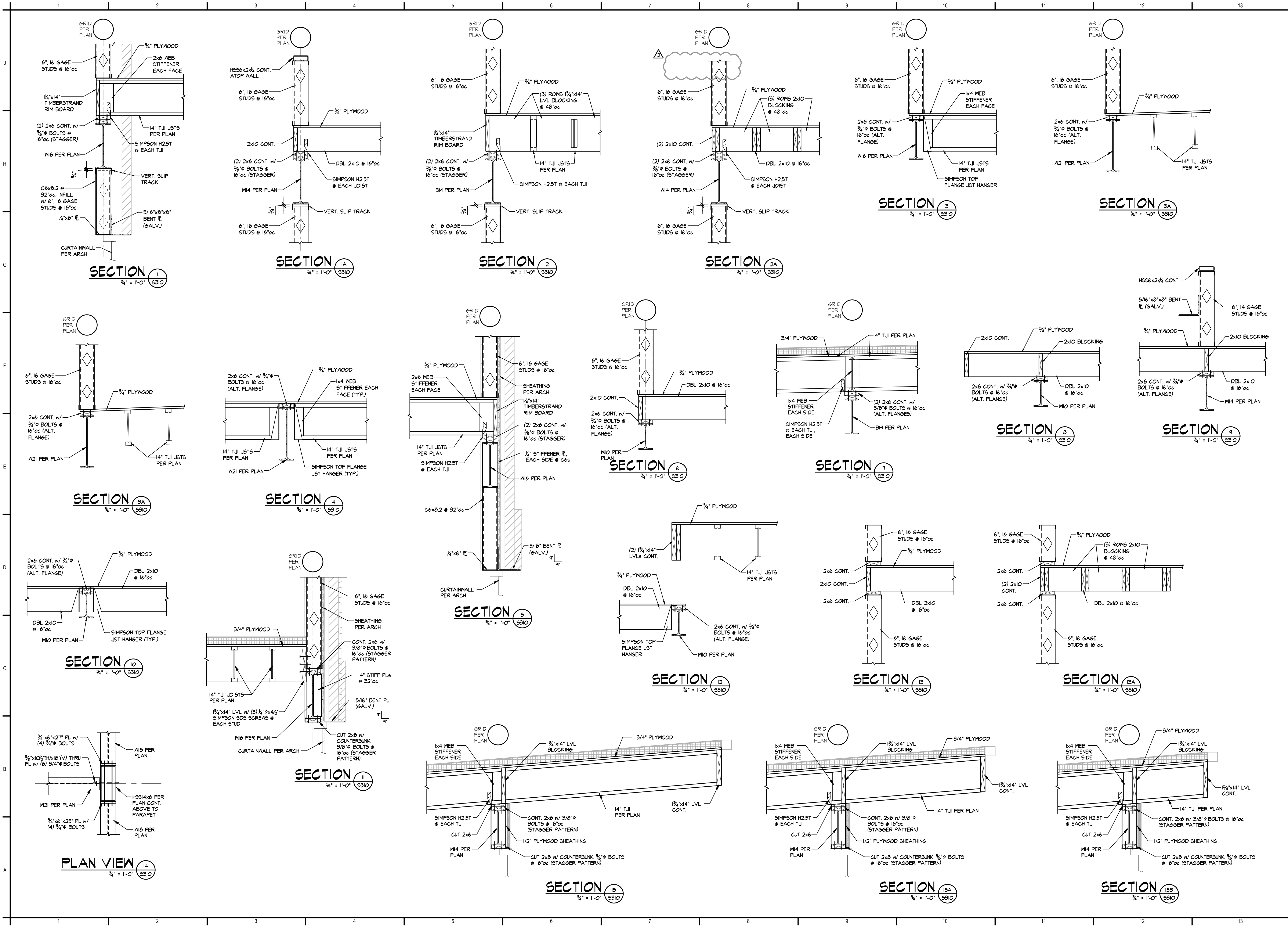
SECTION 15
3/4" = 1'-0" (S300)



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PROJECT NUMBER:	20-033
ISSUE DATE:	9 Apr 2021
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1. Bid/Permit Set	04.16.2021
2. Addendum 01	05.03.2021



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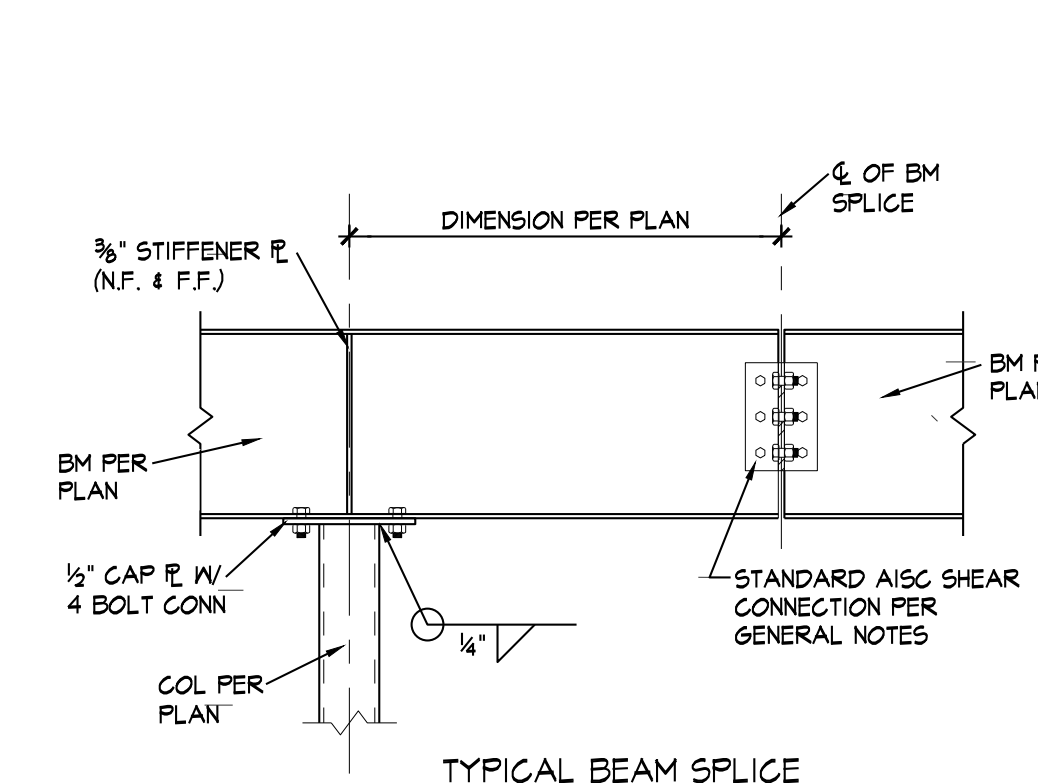
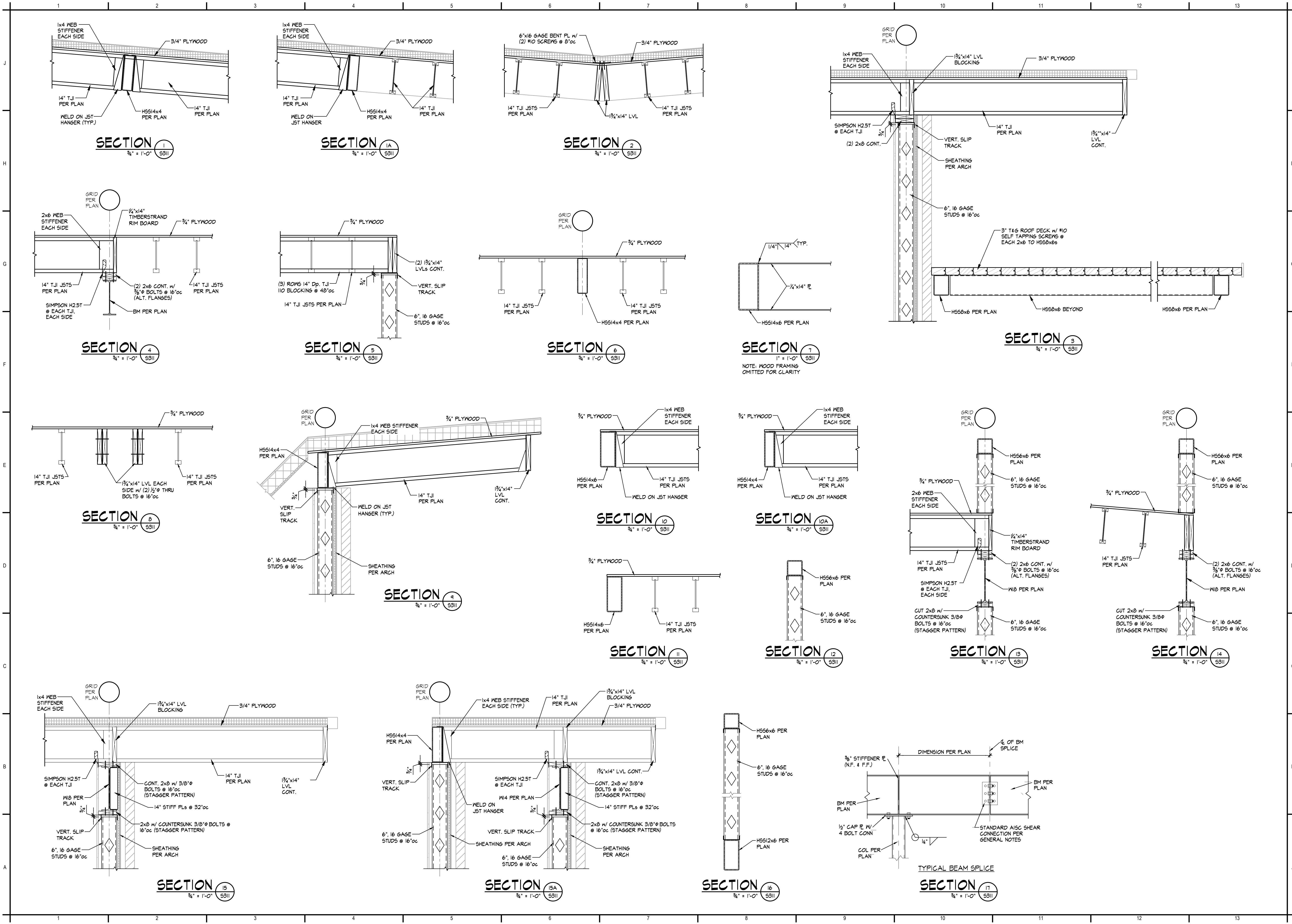
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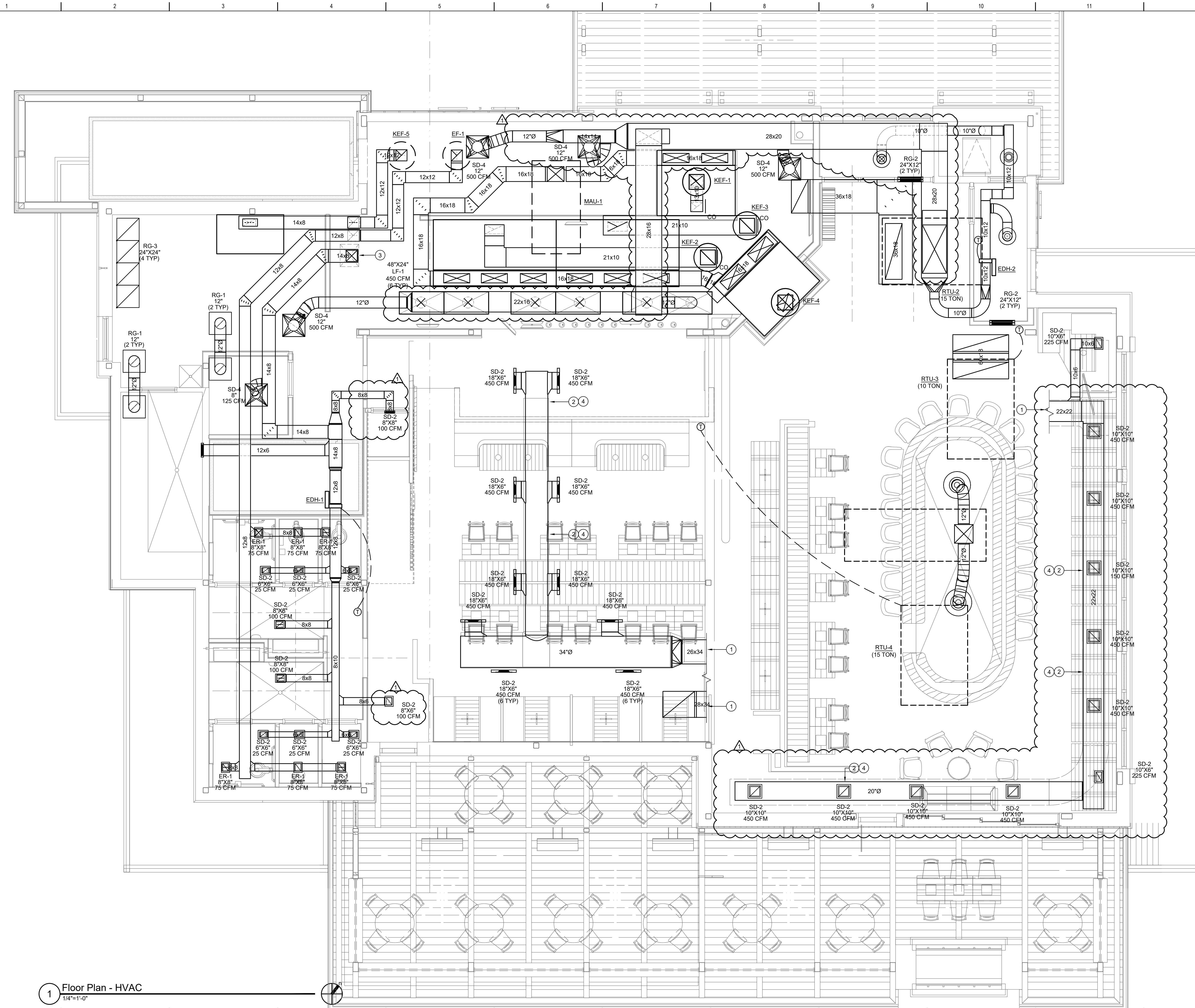
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REVISIONS	DATE
1	04.16.2021

Framing Sections



TYPICAL BEAM SPLICE
 SECTION 17
 3/4" = 1'-0" S311



- GENERAL NOTES:**
1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW GENERAL NOTES, SPECIFICATIONS AND OTHER DISCIPLINE'S DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, OWNER AND ENGINEER OF ANY DISCREPANCIES PRIOR TO SUBMISSION OF BID.
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 4. INSTALL PIPING PARALLEL TO BUILDING LINES, UNLESS NOTED OTHERWISE.
 5. COORDINATE LOCATION OF EQUIPMENT AND SUPPORTS WITH LOCATION OF ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT. IF NO ACCESS PANEL IS SHOWN, PROVIDE ACCESS PANEL IN SIZE REQUIRED FOR MAINTENANCE OF EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
 6. SEAL PENETRATIONS THROUGH BUILDING COMPONENTS IN ACCORDANCE WITH LOCAL CODES. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS.
 7. MODIFY EXISTING SPRINKLER SYSTEM TO ACCOMMODATE NEW WORK. DESIGN AND INSTALL PER NFPA13, LATEST EDITION.
 8. COORDINATE EXACT ROUGH-IN REQUIREMENTS AND LOCATIONS FOR KITCHEN EQUIPMENT WITH KITCHEN EQUIPMENT PLANS PREPARED BY OTHERS.
 9. ALL GREASE DUCTS SHALL BE FIELD FABRICATED, WELDED, STAINLESS STEEL.
- PLAN NOTES:**
- 1 SEE ROOF PLAN FOR CONTINUATION.
 - 2 ROUTE DUCT AS HIGH AS POSSIBLE. ROUTE AT ROOF SLOPE.
 - 3 12"X12" SUPPLY AIR DUCT UP TO MEZZANINE ABOVE. SEE MEZZANINE PLAN FOR CONTINUATION.
 - 4 INTERNALLY LINE DUCTWORK WITH 1/2" INSULATION.



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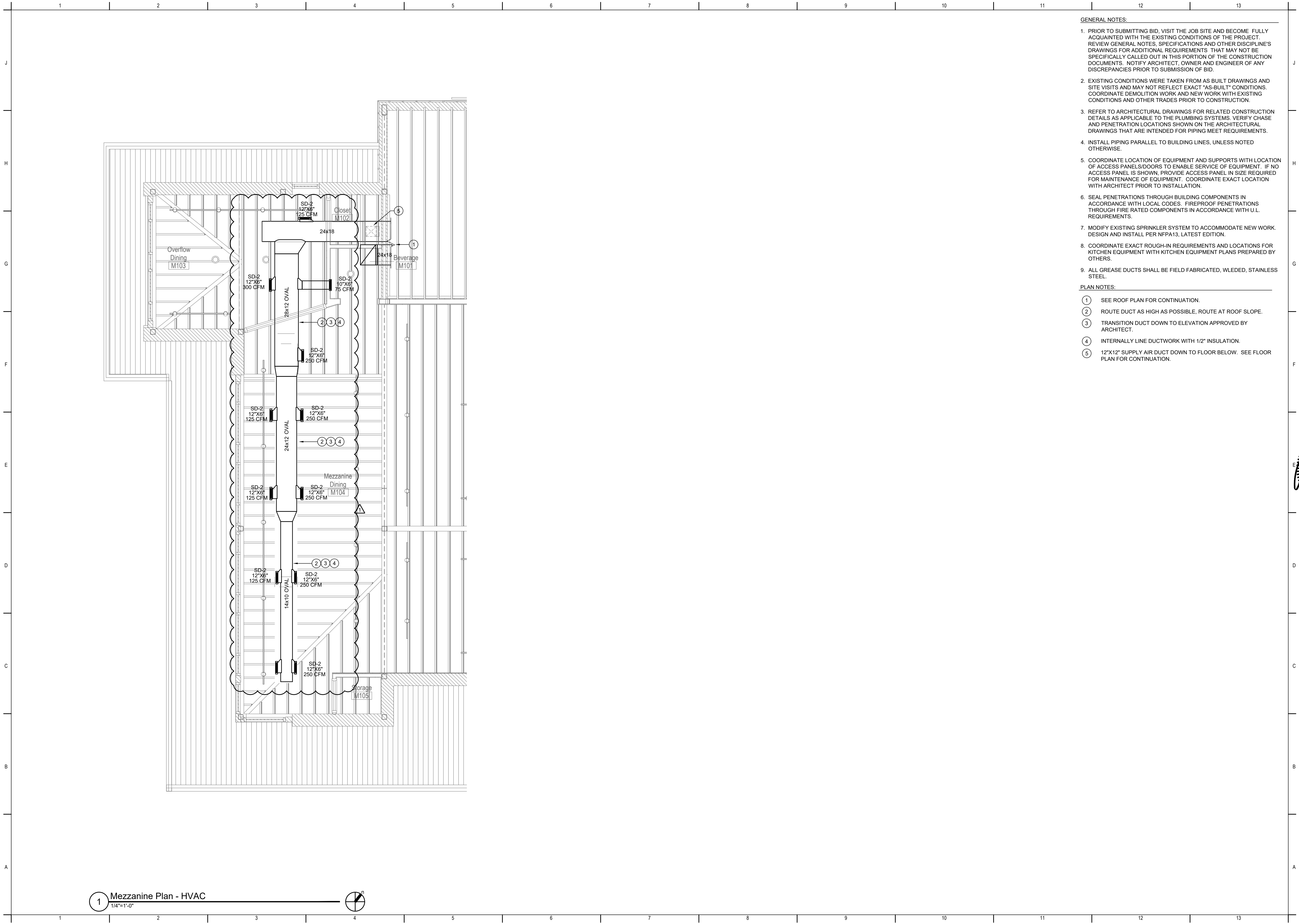
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1 ADD #1	05.03.2021
2 ADD #2	04.16.2021
3 ADD #3	04.16.2021

Mechanical Floor Plan

1 Floor Plan - HVAC
 1/4"=1'-0"



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- PLAN NOTES:**
- SEE ROOF PLAN FOR CONTINUATION.
 - ROUTE DUCT AS HIGH AS POSSIBLE. ROUTE AT ROOF SLOPE.
 - TRANSITION DUCT DOWN TO ELEVATION APPROVED BY ARCHITECT.
 - INTERNALLY LINE DUCTWORK WITH 1/2" INSULATION.
 - 12"x12" SUPPLY AIR DUCT DOWN TO FLOOR BELOW. SEE FLOOR PLAN FOR CONTINUATION.

1 Mezzanine Plan - HVAC
1/4"=1'-0"

ARCHITECTURAL
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Red Door Grill - Lee's Summit
 Construction Documents
 Lot 1 Streets Of Pryor
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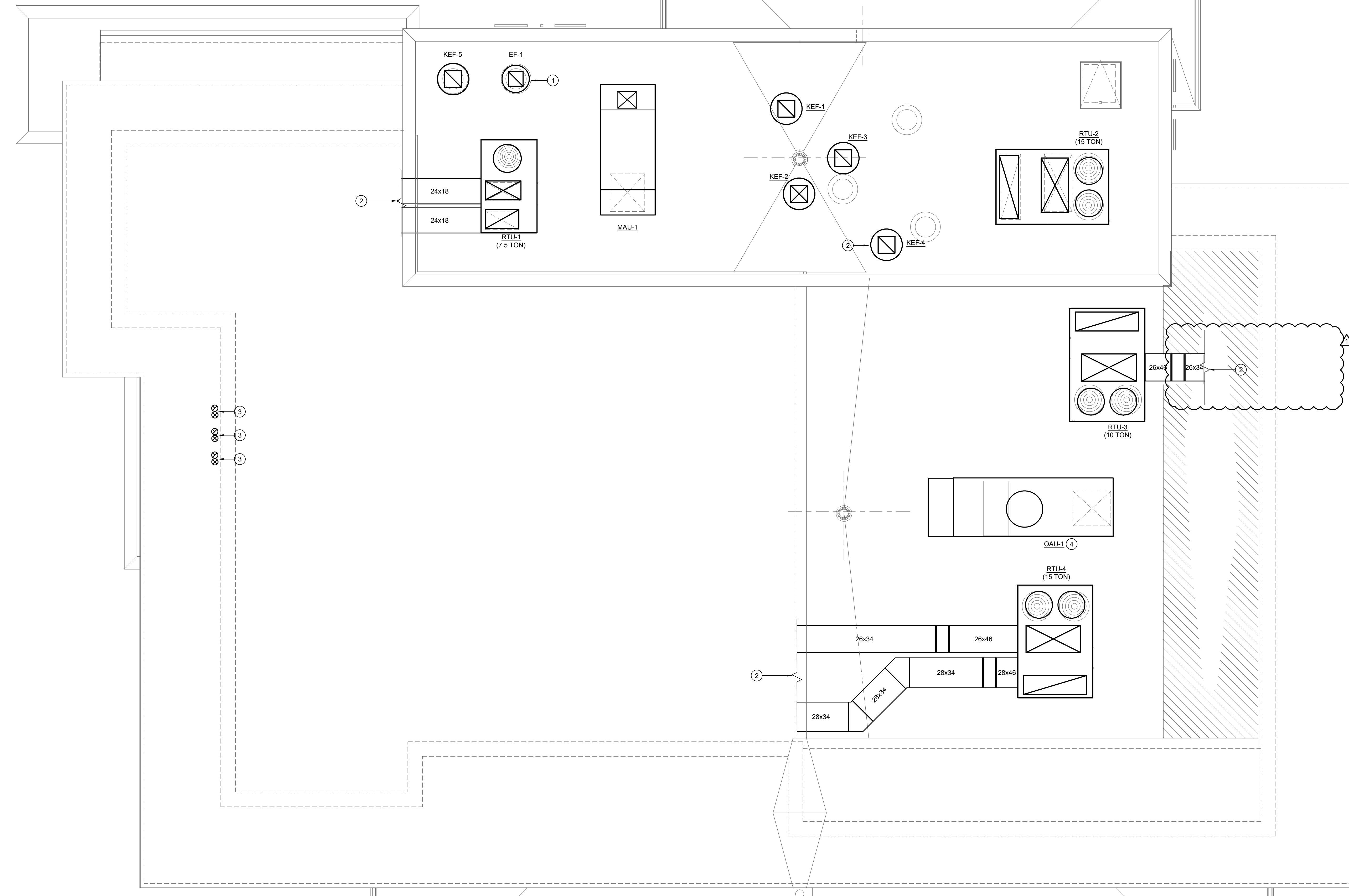
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Mechanical Mezzanine Plan

1 2 3 4 5 6 7 8 9 10 11 12 13

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8. INSTALL VENTLESS GAS PRESSURE REDUCING VALVES, AT EACH PIECE OF GAS FIRED EQUIPMENT, INCLUDING EXISTING RTU'S, TO REDUCE GAS PRESSURE FROM 2 PSIG TO 1/4 PSIG.

PLAN NOTES:

- 1 MOUNT DISCHARGE OF FAN 3' ABOVE OUTSIDE AIR INTAKE FOR CLOSEST ROOF TOP UNIT.
- 2 SEE FLOOR PLANS FOR CONTINUATION.
- 3 6"Ø COMBUSTION AIR AND 6"Ø GAS FLUE UP THROUGH ROOF ABOVE. MATERIAL SHALL BE AS DIRECTED BY WATER HEATER MANUFACTURER. TERMINATE WITH APPROVED FITTING.
- 4 WIRE OAU-1 TO ENERGIZE WHEN THE HMUA-1 ENERGIZES. OAU-1 SHALL DELIVER ROOM NEUTRAL AIR TO THE SPACE AT ALL TIMES WHEN HMUA-1 IS OPERATING.



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2	
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1 Roof Plan - Mechanical
 1/4"=1'-0"

1 2 3 4 5 6 7 8 9 10 11 12 13

AIR TERMINAL DEVICES SCHEDULE								
PLAN MARK	QUANTITY	MANUFACTURER	MODEL	SERVICE	MOUNT TYPE	BORDER SIZE	NECK SIZE	VOLUME DAMPER
ER-1	6	TITUS	350FL	EXHAUST	SURFACE	--	8"X8"	YES
RG-1	4	TITUS	PAR	RETURN	LAY-IN	24"X24"	12"	NO
RG-2	4	TITUS	350FL	RETURN	SURFACE	--	24"X12"	YES
RG-3	1	TITUS	PXP	RETURN	LAY-IN	24"X24"	24"X24"	NO
SD-2	1	TITUS	300FL	SUPPLY	SURFACE	--	12"X6"	YES
SD-2	1	TITUS	300FL	SUPPLY	SURFACE	--	10"X6"	YES
SD-2	8	TITUS	300FL	SUPPLY	SURFACE	--	18"X6"	YES
SD-2	6	TITUS	300FL	SUPPLY	SURFACE	--	6"X6"	YES
SD-2	2	TITUS	300FL	SUPPLY	SURFACE	--	8"X8"	YES
SD-3	2	TITUS	TMR	SUPPLY	SURFACE	--	12"	YES
SD-3	1	TITUS	TMR	SUPPLY	SURFACE	--	8"	YES
SD-3	2	TITUS	TMR	SUPPLY	SURFACE	--	10"	YES
SD-4	1	TITUS	OMNI	SUPPLY	LAY-IN	24"X24"	8"	YES
SD-4	4	TITUS	OMNI	SUPPLY	LAY-IN	24"X24"	12"	YES

ROOF TOP UNIT SCHEDULE																											
UNIT CALLOUT	WEIGHT (LBS)	NOMINAL TONS	UNIT INFORMATION										GAS BURNER INFORMATION								DX COIL INFORMATION					FILTER TYPE	NOTES
			MFG	MODEL NO.	VOLT/PHASE	MCA	MOCP (AMPS)	EXT STATIC (IN WC)	FLOW (CFM)	HP	GAS TYPE	GAS EFF. (%)	GAS INPUT (MBH)	GAS OUTPUT (MBH)	EAT (°F)	LAT (°F)	EAT (°F)	LAT (°F)	SHC (MBH)	THC (MBH)	STEPS (#)	FAN NUM	# OF COMP	AMB TEMP (°F)			
RTU-1	1069	7.5	TRANE	YSC092	208/3	39.3	50	0.9	3000	1	NAT	80	200	160	65	114.4	80	55	81.0	90	3	1	2	100	2" PLEATED	1.2	
RTU-2	2519	15	TRANE	YSD180	208/3	75	100	0.9	6000	5	NAT	80	250	200	65	95.9	80	55	162.0	180	3	1	2	100	2" PLEATED	1.2	
RTU-3	1399	10	TRANE	YSC120	208/3	49.6	60	0.9	4000	3	NAT	80	250	200	65	111.3	80	55	108.0	120	3	1	2	100	2" PLEATED	1.2	
RTU-4	2519	15	TRANE	YSD180	208/3	75	100	0.9	6000	5	NAT	80	250	200	65	95.9	80	55	162.0	180	3	1	2	100	2" PLEATED	1.2	

- NOTES:
- SUPPLY UNIT WITH THE FOLLOWING OPTIONS:
 - FACTORY ROOF CURB/ CURB ADAPTOR.
 - FACTORY STARTER AND DISCONNECT.
 - CONDENSER COIL HAIL GUARDS.
 - ECONOMIZER WITH BAROMETRIC RELIEF.
 - OUTDOOR AND RELIEF AIR HOODS, WITH INSECT SCREEN.
 - WIRED THERMOSTATS AND TEMPERATURE SENSOR. WIRELESS CONTROLS ARE NOT ACCEPTABLE.
 - SUPPLY WITH 2 COMPRESSORS.

RADIANT HEATER SCHEDULE				
UNIT CALLOUT	MFG	MODEL NO.	CAP (BTUH)	NOTES
RH-1	INFRASAVE	IO-152	50.0	1

- NOTES:
- SUPPLY WITH PATIO PANEL, MOUNTING KIT AND FLEXIBLE GAS CONNECTOR.

ELECTRIC DUCT HEATER SCHEDULE											
UNIT CALLOUT	UNIT INFORMATION		DUCT DIMENSIONS		ELEC HEATING COIL INFORMATION						NOTES
	MFG	MODEL NO.	LENGTH (IN)	HEIGHT (IN)	AIRFLOW (CFM)	EAT (°F)	LAT (°F)	CAP (KW)	STEPS (#)	VOLT/PHASE	
EDH-1	INDEECO	QUA	12	8	450	55	83	4.0	SCR	208/3	1
EDH-2	INDEECO	QUA	10	12	475	55	95	6.0	SCR	208/3	1

- NOTE 1: FURNISH WITH INTEGRAL NON-FUSED DISCONNECT SWITCH AND FACTORY CONTROLS.

EXHAUST FAN SCHEDULE								
UNIT CALLOUT	MFG	MODEL NO.	TYPE	EXT STATIC (IN WC)	FLOW (CFM)	HP	VOLT/PHASE	NOTES
EF-1	COOK	ACED	DNBLAST	0.5	450	1/2	120/1	1

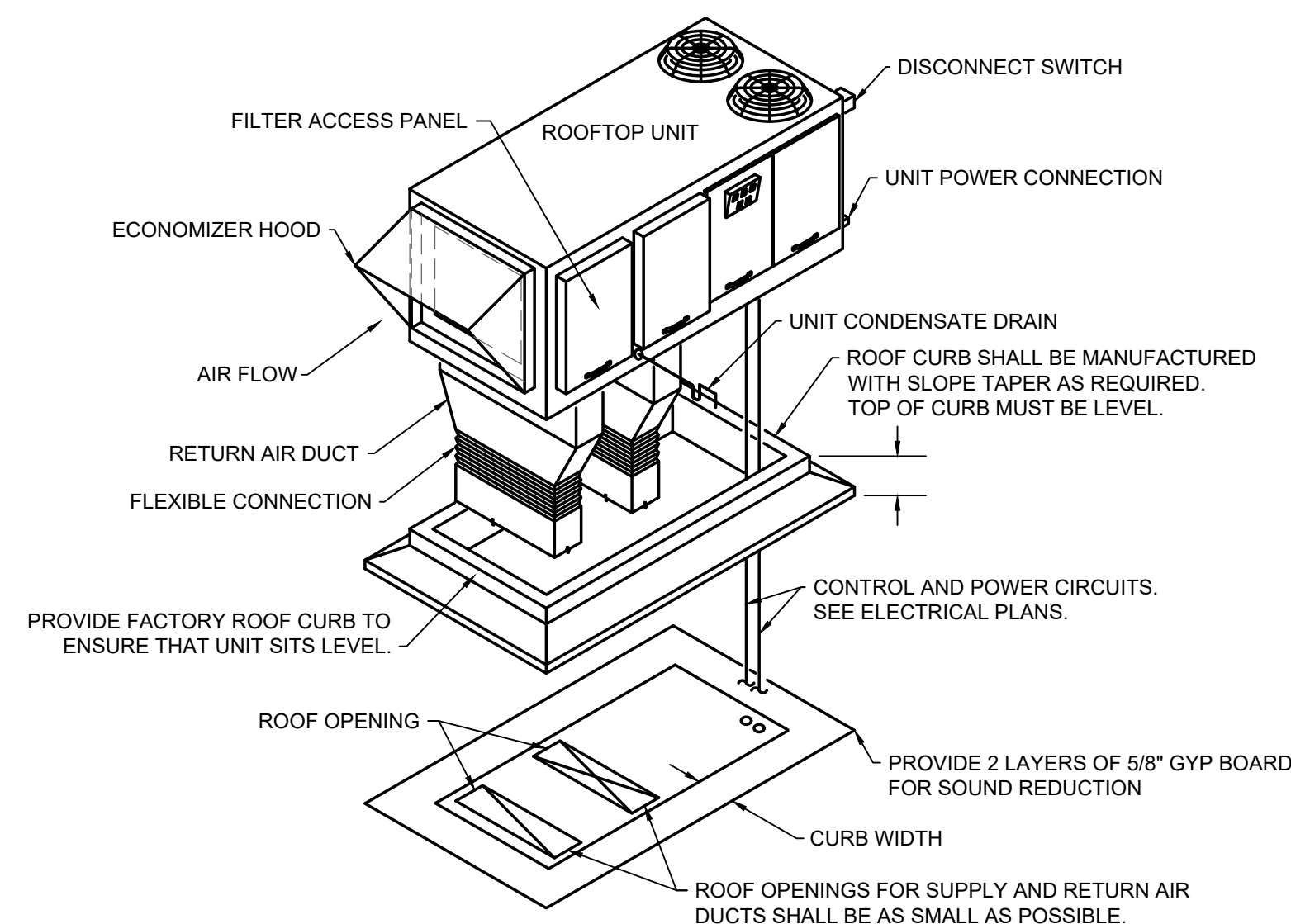
- NOTES:
- SUPPLY WITH FACTORY STARTER, DISCONNECT, ECM MOTOR WITH SPEED CONTROLLER, INSECT SCREEN AND ROOF CURB.

LAMINAR FLOW GRILLE SCHEDULE						
PLAN MARK	MFG	MODEL NO.	SERVICE	MOUNT TYPE	VOLUME DAMPER	NOTES
LF-1	TITUS	TUF-SS	SUPPLY	LAY-IN	YES	1

- NOTES:
- SUPPLY IN SIZES SHOWN ON DRAWINGS

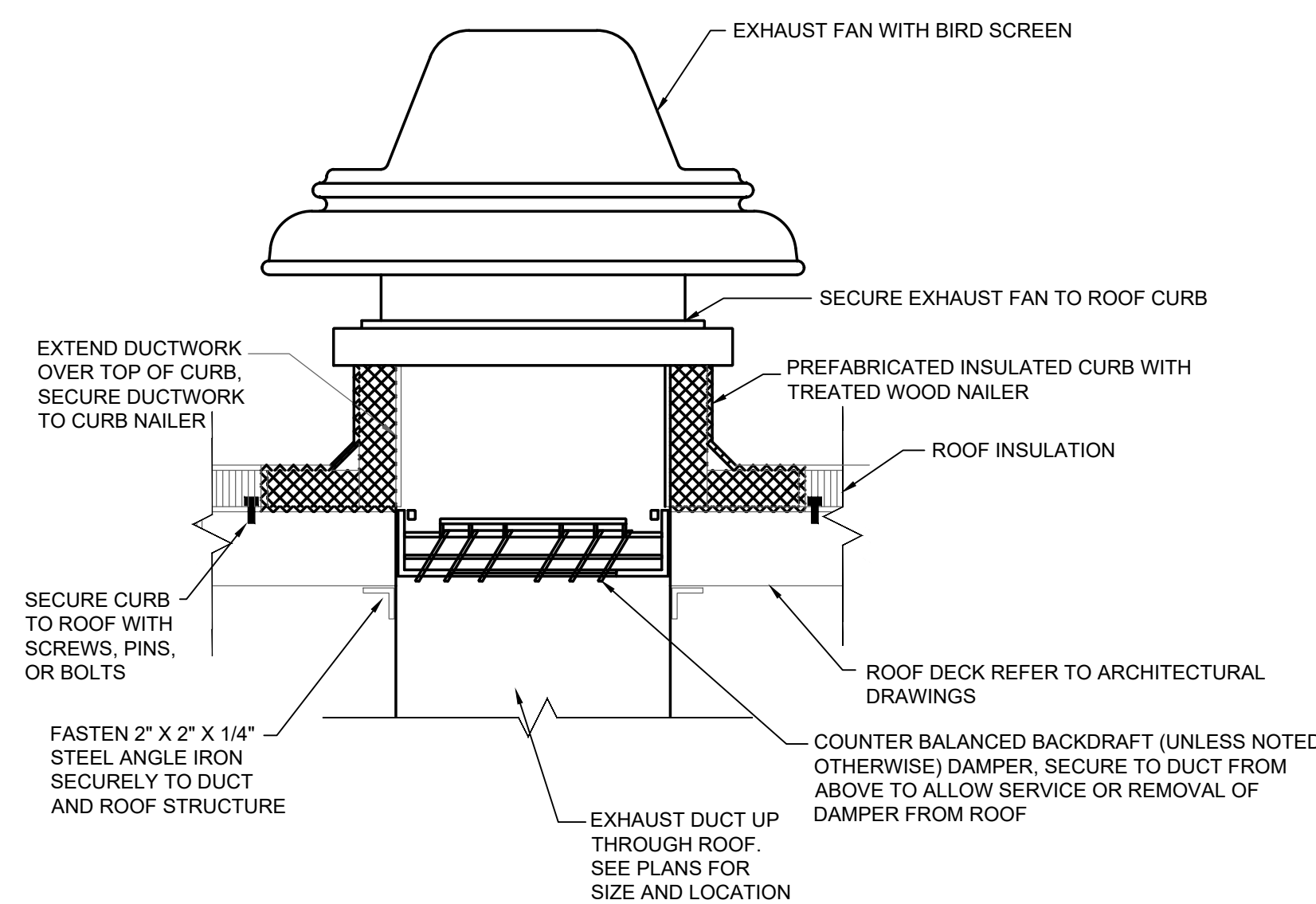
DEDICATED OUTSIDE AIR UNIT SCHEDULE																							
UNIT CALLOUT	WEIGHT (LBS)	UNIT INFORMATION								GAS BURNER INFORMATION						DX COIL INFORMATION					FILTER TYPE	NOTES	
		MFG	MODEL NO.	VOLT/PHASE	MCA	MOCP (AMPS)	EXT STATIC (IN WC)	FLOW (CFM)	HP	GAS TYPE	GAS INPUT (MBH)	GAS OUTPUT (MBH)	EAT (°F)	LAT (°F)	EAT (°F)	LAT (°F)	SHC (MBH)	THC (MBH)	FAN NUM	# OF COMP			AMB TEMP (°F)
OAU-1	1305	TRANE	OABD036A3	208/3	25.6	35	0.75	600	2.5	NAT	75	60	0	92.6	100/77	56.6/56.4	28.2	43.2	1	1	100	2" PLEATED	1

- NOTES:
- SUPPLY UNIT WITH THE FOLLOWING OPTIONS:
 - FACTORY ROOF CURB/ CURB ADAPTOR.
 - FACTORY STARTER AND DISCONNECT.
 - CONDENSER COIL HAIL GUARDS.
 - DIGITAL SCROLL COMPRESSOR.
 - OUTDOOR HOOD WITH INSECT SCREEN.
 - HOT GAS REHEAT.
 - FACTORY CONTROLS.



- NOTES:
- INSTALL ROOFTOP UNIT PER MANUFACTURER'S RECOMMENDATION AND INSTALLATION MANUAL.
 - COORDINATE ROOF OPENINGS WITH STRUCTURAL DRAWINGS.
 - DUCT TRANSITIONS SHALL BE MADE IN THE TRUSS SPACE ABOVE THE CEILING AND BELOW THE ROOF.

1 ROOFTOP UNIT INSTALLATION DETAIL
NO SCALE



2 DOWNBLAST EXHAUST FAN DETAIL
NO SCALE

- GENERAL**
- ① MECHANICAL NOTE REFERENCE
 - ② DEMOLITION NOTE REFERENCE
 - △ REVISION NOTE REFERENCE
 - CONNECT TO EXISTING WORK
- HVAC**
- D HVAC CONDENSATE DRAIN
 - Ⓟ THERMOSTAT
 - Ⓟ TEMPERATURE SENSOR
 - Ⓟ DUCT MOUNTED SMOKE DETECTOR
 - Ⓟ SUPPLY DIFFUSER
 - Ⓟ RETURN GRILLE/EXHAUST REGISTER
 - Ⓟ RETURN AND EXHAUST AIR FLOW INDICATOR
 - Ⓟ DUCT MOUNTED MANUAL BALANCING DAMPER
 - Ⓟ DUCT MOUNTED FIRE/SMOKE, FIRE, AND SMOKE DAMPER

3 MECHANICAL SYMBOLS
NO SCALE



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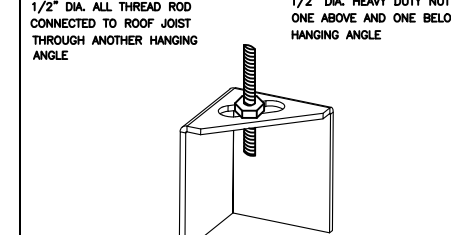
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Mechanical Schedules & Details

ND-2 HANGING ANGLE DETAIL



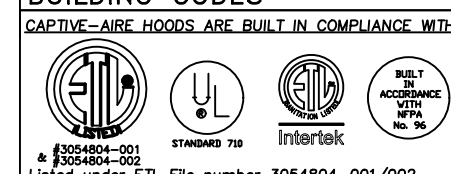
HANGING ANGLE LOCATIONS

Table with columns: HOOD STYLE, DIM FROM REAR, DIM FROM TOP, DIM FROM FRONT. Lists locations for various hood styles like CAPTRATE and VHB.

CALCULATIONS UTILIZED

Table showing calculations for hood and fan requirements, including hood volume, fan capacity, and duct area.

BUILDING CODES



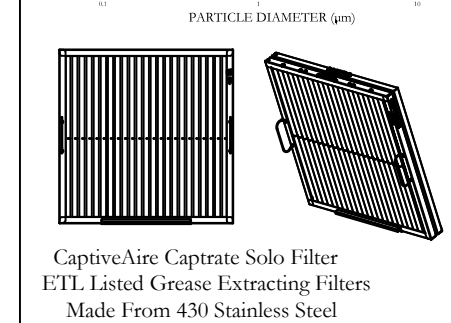
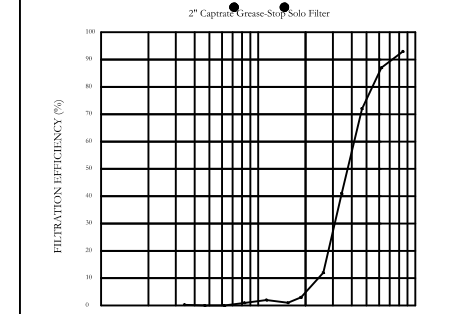
CLEARANCE TO COMBUSTIBLES

Text detailing clearance requirements for combustible materials, including minimum clearances for different hood types.

GENERAL NOTES

- List of general notes regarding installation, materials, and manufacturer requirements for the hoods.

FILTER DETAIL



Text describing the Captrate Solo Filter and its manufacturer, ETL.

SPECIFICATION: CAPTRATE GREASE-STOP SOLID FILTER

Detailed specification for the Captrate Grease-Stop Solid Filter, including performance requirements and testing standards.

HOOD INFORMATION - JOB#4827083

Table listing hood specifications including tag number, model, manufacturer, length, width, height, and total exhaust CFM.

HOOD INFORMATION

Table listing hood options including filter type, quantity, and efficiency, as well as lighting and utility cabinet specifications.

HOOD OPTIONS

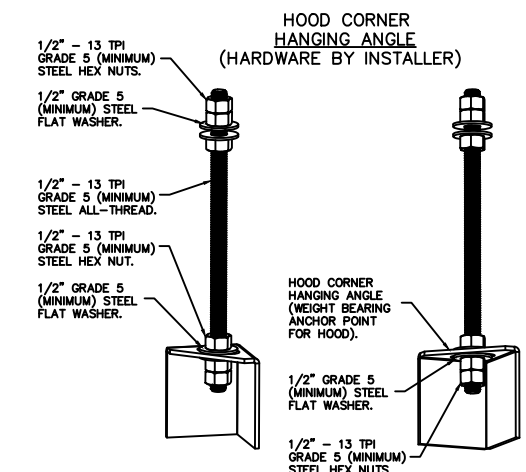
Table detailing hood options for different items, including field wrapper, backsplash, and side splash specifications.

PERFORATED SUPPLY PLENUM(S)

Table listing perforated supply plenum specifications including tag number, position, length, width, and height.

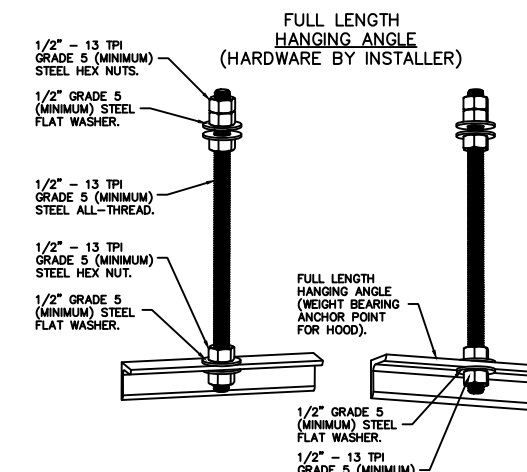
PATENT NUMBERS

List of patent numbers for the hood designs, including AC-PSP (UNITED STATES) and AC-PSP WALL (CANADA).



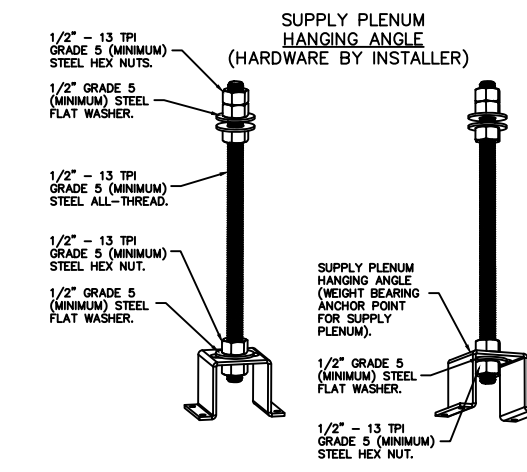
ASSEMBLY INSTRUCTIONS

Assembly instructions for the hood corner hanging angle, detailing support requirements and hardware installation.



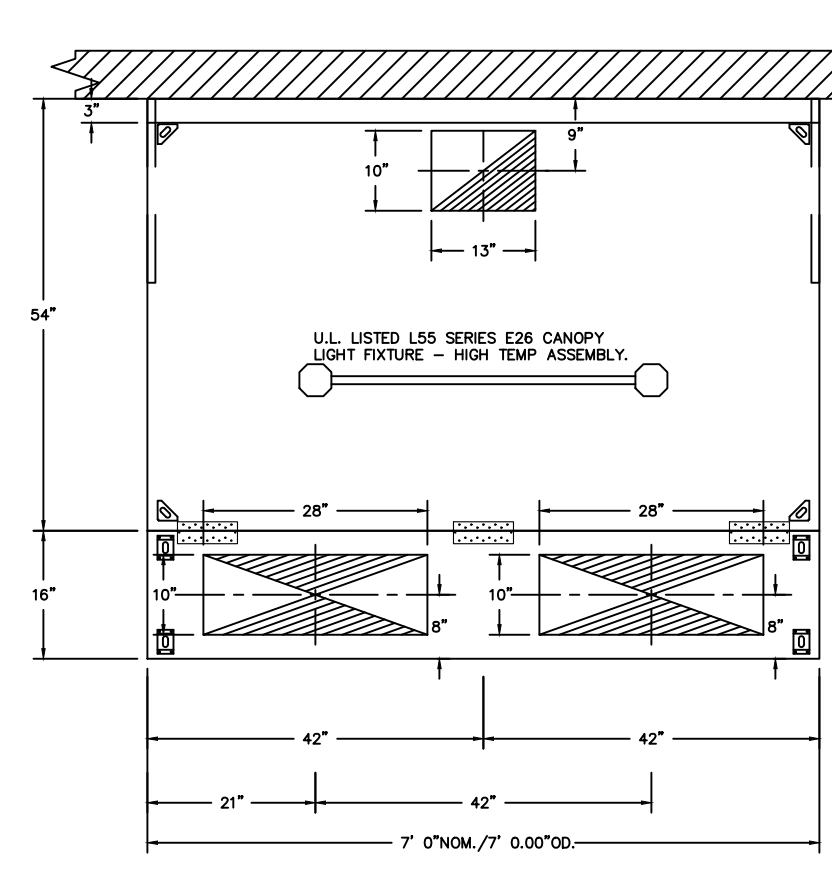
ASSEMBLY INSTRUCTIONS

Assembly instructions for the full length hanging angle, detailing support requirements and hardware installation.

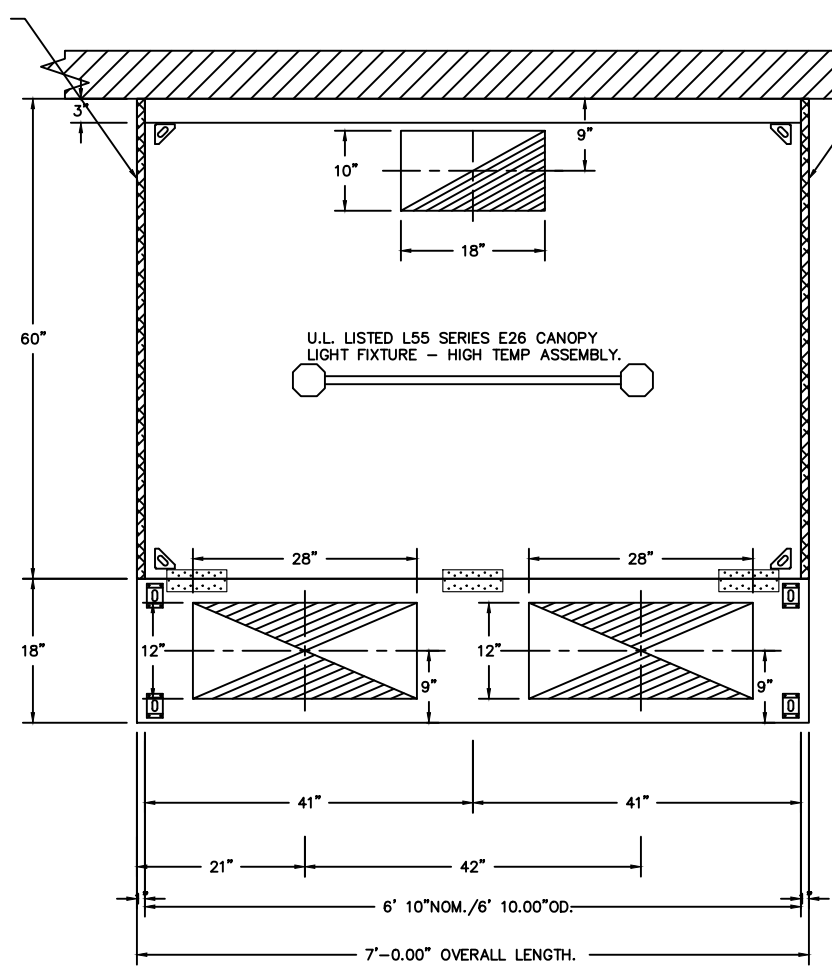


ASSEMBLY INSTRUCTIONS

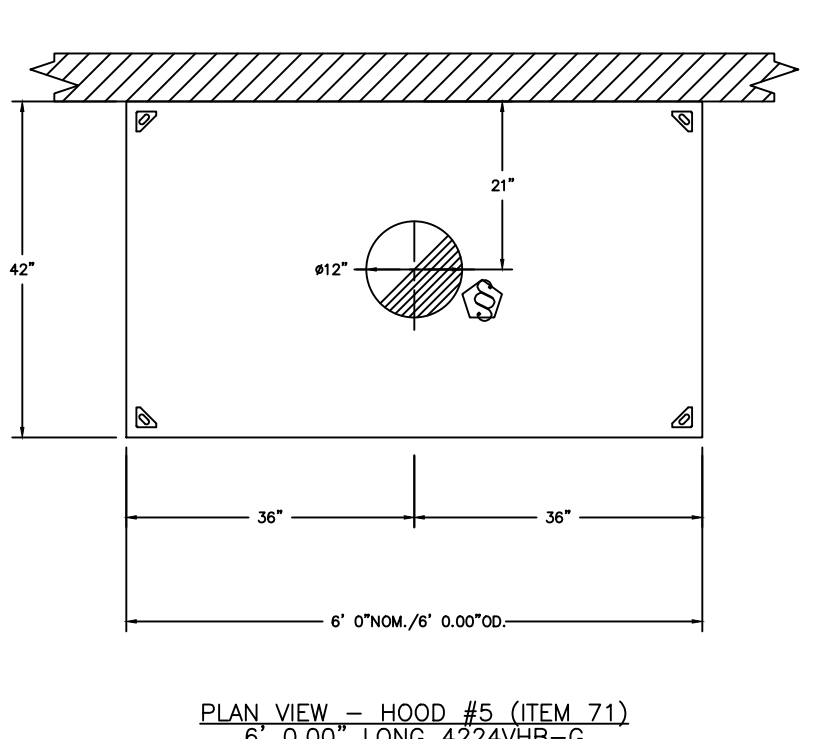
Assembly instructions for the supply plenum hanging angle, detailing support requirements and hardware installation.



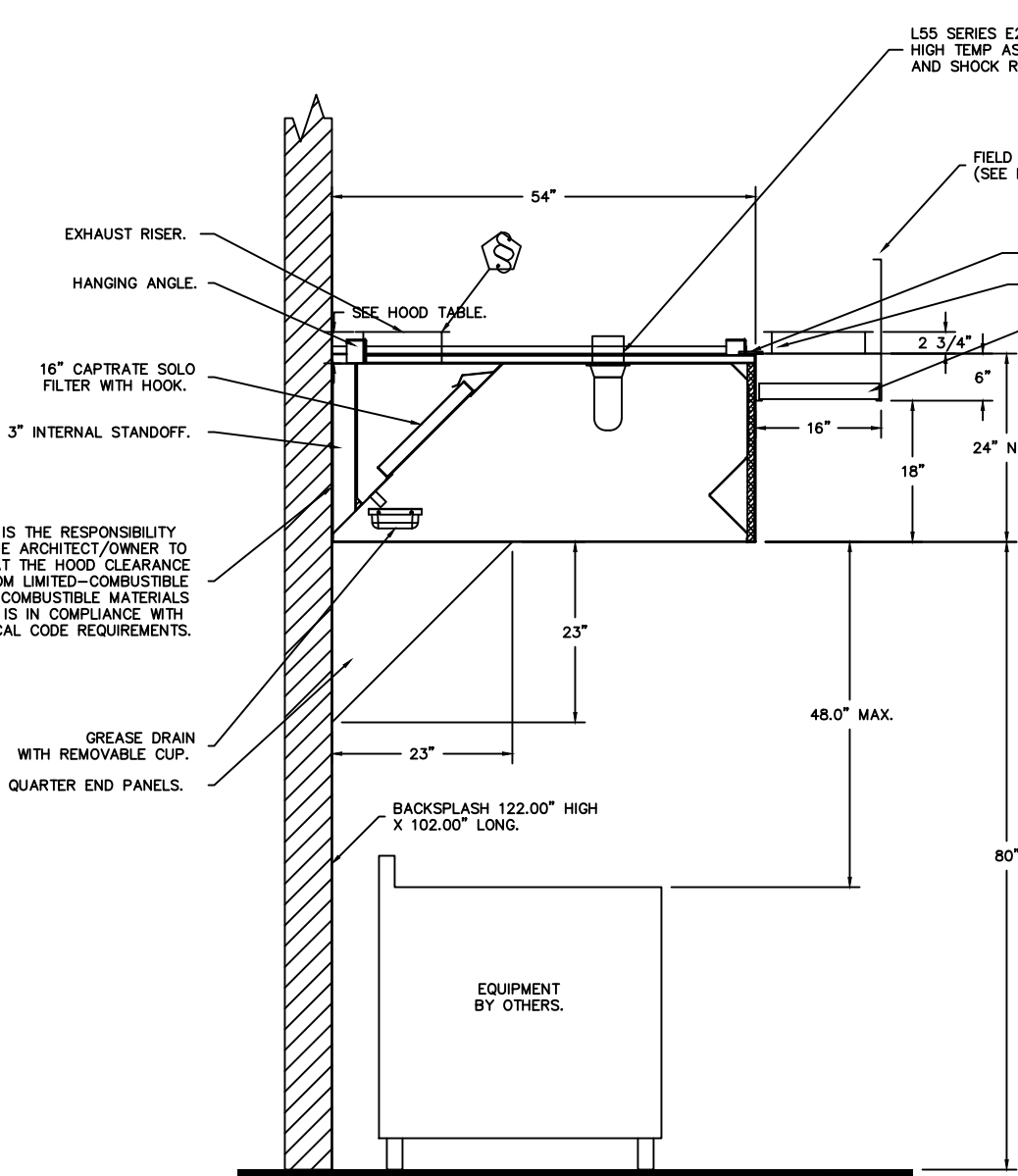
PLAN VIEW - HOOD #1 (ITEM 17) 7' 0.00" LONG 5424ND-2-PSP-F



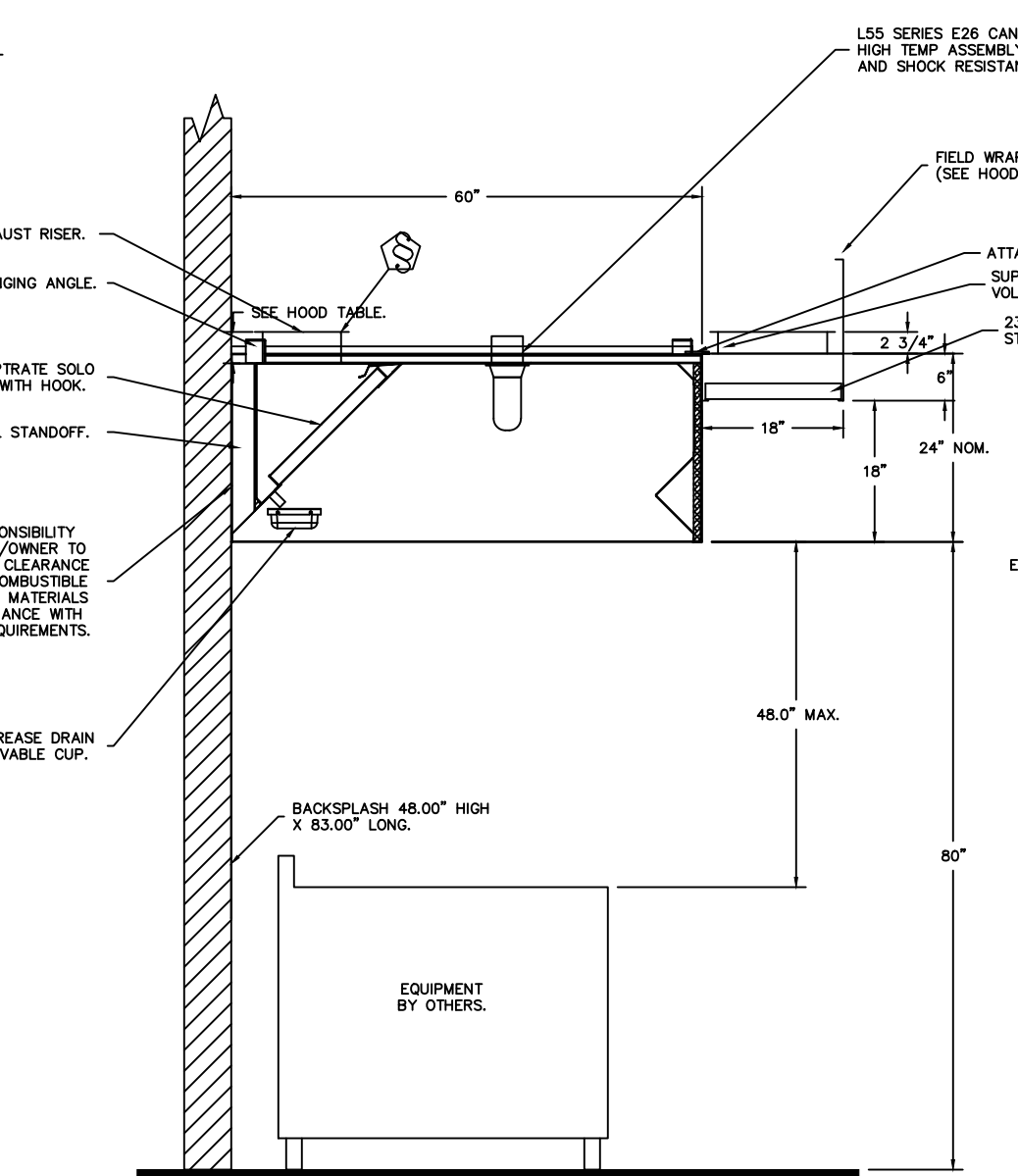
PLAN VIEW - HOOD #4 (ITEM 52) 6' 10.00" LONG 6024ND-2-PSP-F



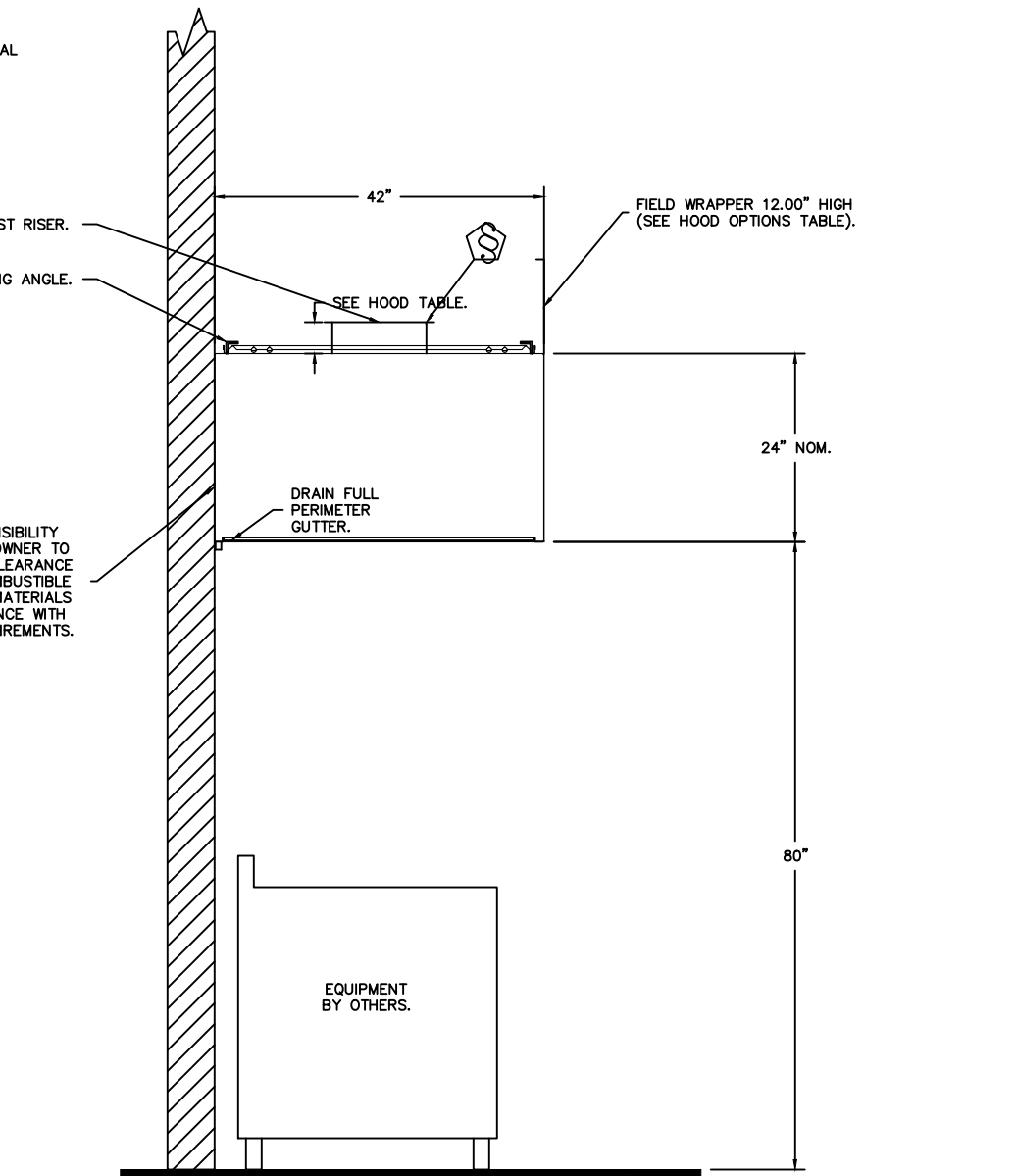
PLAN VIEW - HOOD #5 (ITEM 71) 6' 0.00" LONG 4224VHB-G



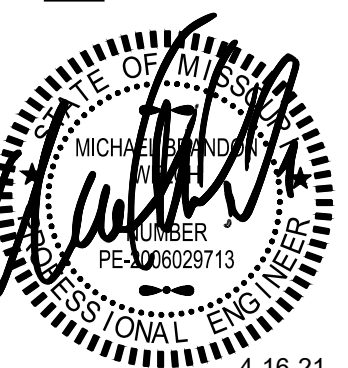
SECTION VIEW - MODEL 5424ND-2-PSP-F HOOD - #1 (ITEM 17)



SECTION VIEW - MODEL 6024ND-2-PSP-F HOOD - #4 (ITEM 52)



SECTION VIEW - MODEL 4224VHB-G HOOD - #5 (ITEM 71)



Professional Engineer information including name, license number, and expiration date.

Project information including food service, mechanical, electrical, and plumbing details, and structural notes.

Table with columns for Revisions and Date, showing project revision history.

Mechanical Details



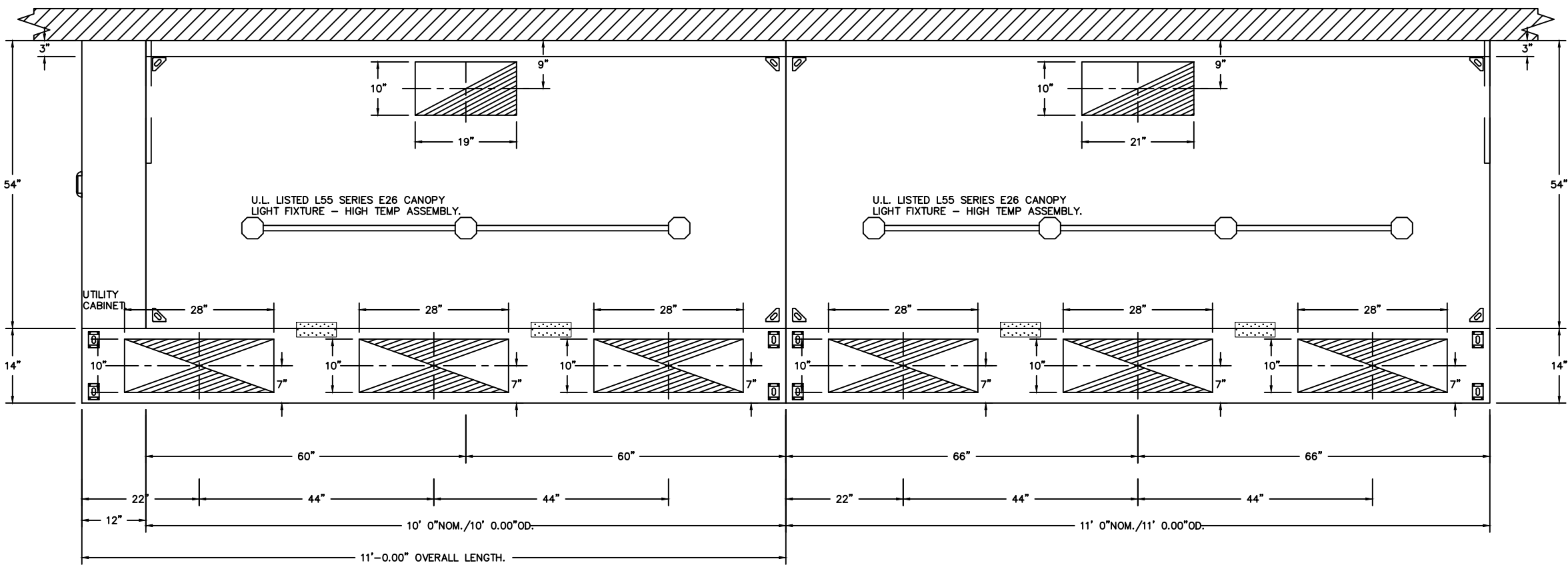
food service
TrMark Hockenbergs
10500 Barkley, Ste. 201
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mechanical, electrical, and
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Welch and Mitchell
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architectural

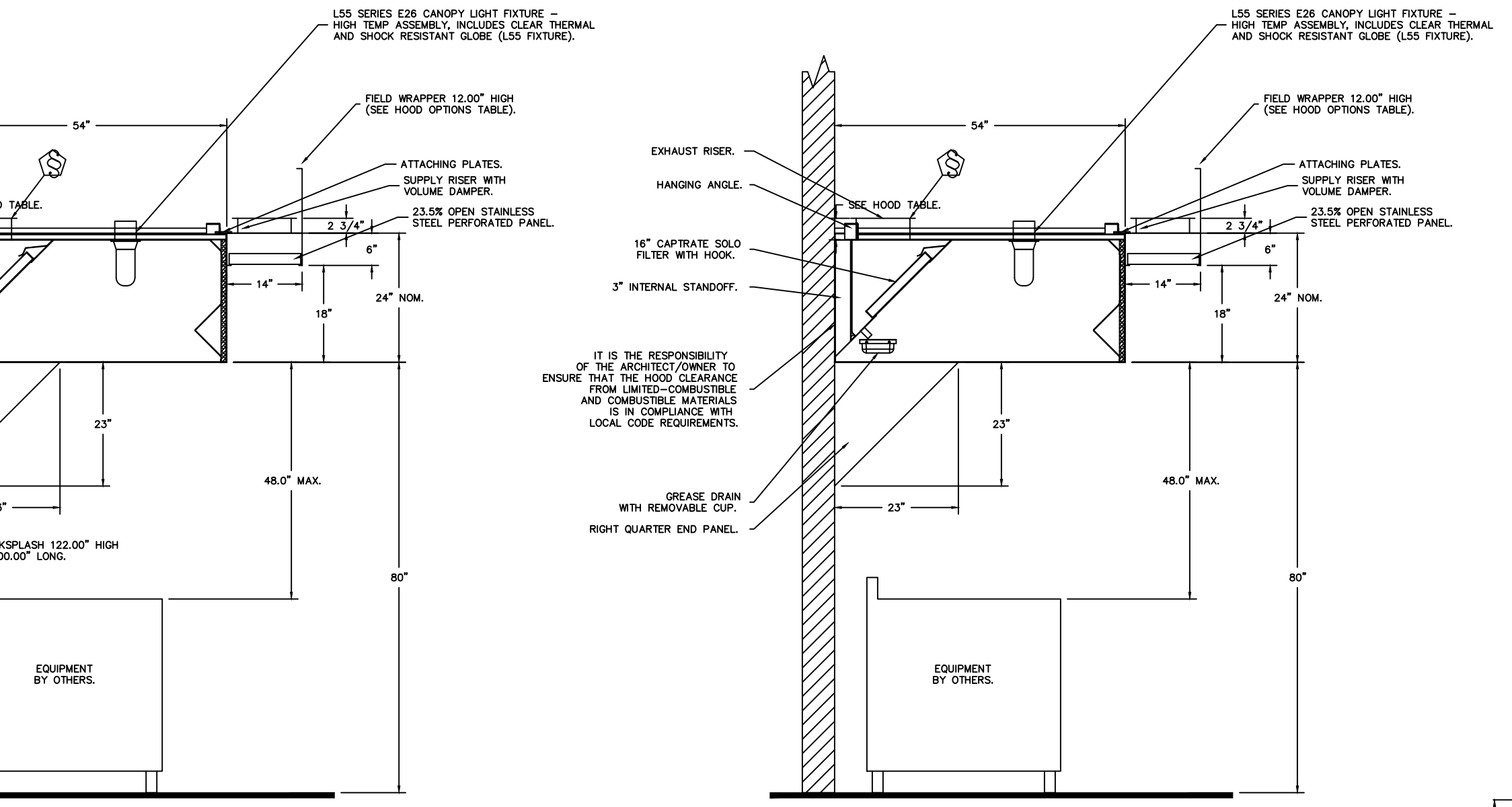
URBAN PRAIRIE ARCHITECTURAL
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Missouri Certificate of Authority: #

PROJECT NUMBER:	20.033
ISSUE DATE:	10 March, 2021
REVISIONS:	DATE
1 of 8	04.16.2021



PLAN VIEW - HOOD #2 (ITEM 32)
10' 0.00\"/>



SECTION VIEW - MODEL 5424ND-2-PSP-F
HOOD - #2 (ITEM 32)

EXHAUST FAN INFORMATION - JOB#4827083

FAN UNIT NO.	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL.	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	ITEM #17.1	1	DUBSHFA	CAPTIVEAIRE	1400	1.000	1221	TEAO-ECM	1.000	0.3490	1	208	6.9	443 FPM	93	10.3
2	ITEM 32.1	1	DUBSHFA	CAPTIVEAIRE	2000	1.600	1661	TEAO-ECM	1.000	0.8010	1	208	6.9	633 FPM	93	18.1
3	ITEM 32.2	1	DUBSHFA	CAPTIVEAIRE	2200	1.600	1240	ODP-PREMIUM	2.000	1.2390	3	208	8.3	508 FPM	181	16.4
4	ITEM #52.1	1	CASRE1800	CAPTIVEAIRE	1948	1.500	1150	ODP-PREMIUM	1.500	0.8070	3	208	4.4	1130 FPM	269	14.7
5	ITEM 71.1	1	DU50HFA	CAPTIVEAIRE	900	0.750	1510	TEAO-ECM	0.500	0.3430	1	115	6.3	342 FPM	75	16.1

MUA FAN INFORMATION - JOB#4827083

FAN UNIT NO.	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL.	HP	BHP	PHASE	VOLT	FLA	MCA	MOCF	WEIGHT (LBS)	SONES
6	HMUA	1	A2-D-500-200	20MF-2-MOB	A2-D-500	2500	5922	0.500	2092	ODP-PREMIUM	7.500	5.2140	3	208	21.1	26.44	45A	705	27

GAS FIRED MAKE-UP AIR UNITS(S)

FAN UNIT NO.	TAG	INPUT BTU/h	OUTPUT BTU/h	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
6	HMUA	365767	336606	55F	7 IN. W.C. - 14 IN. W.C.	NATURAL	92

FAN OPTIONS

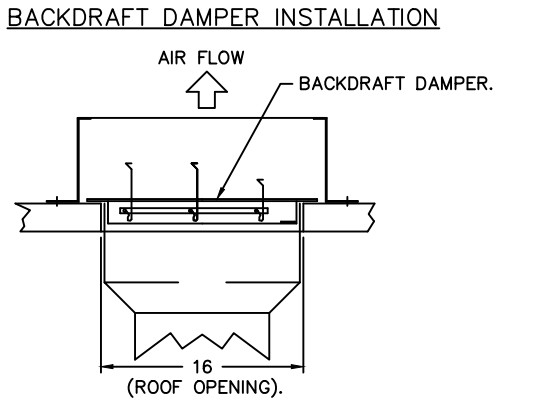
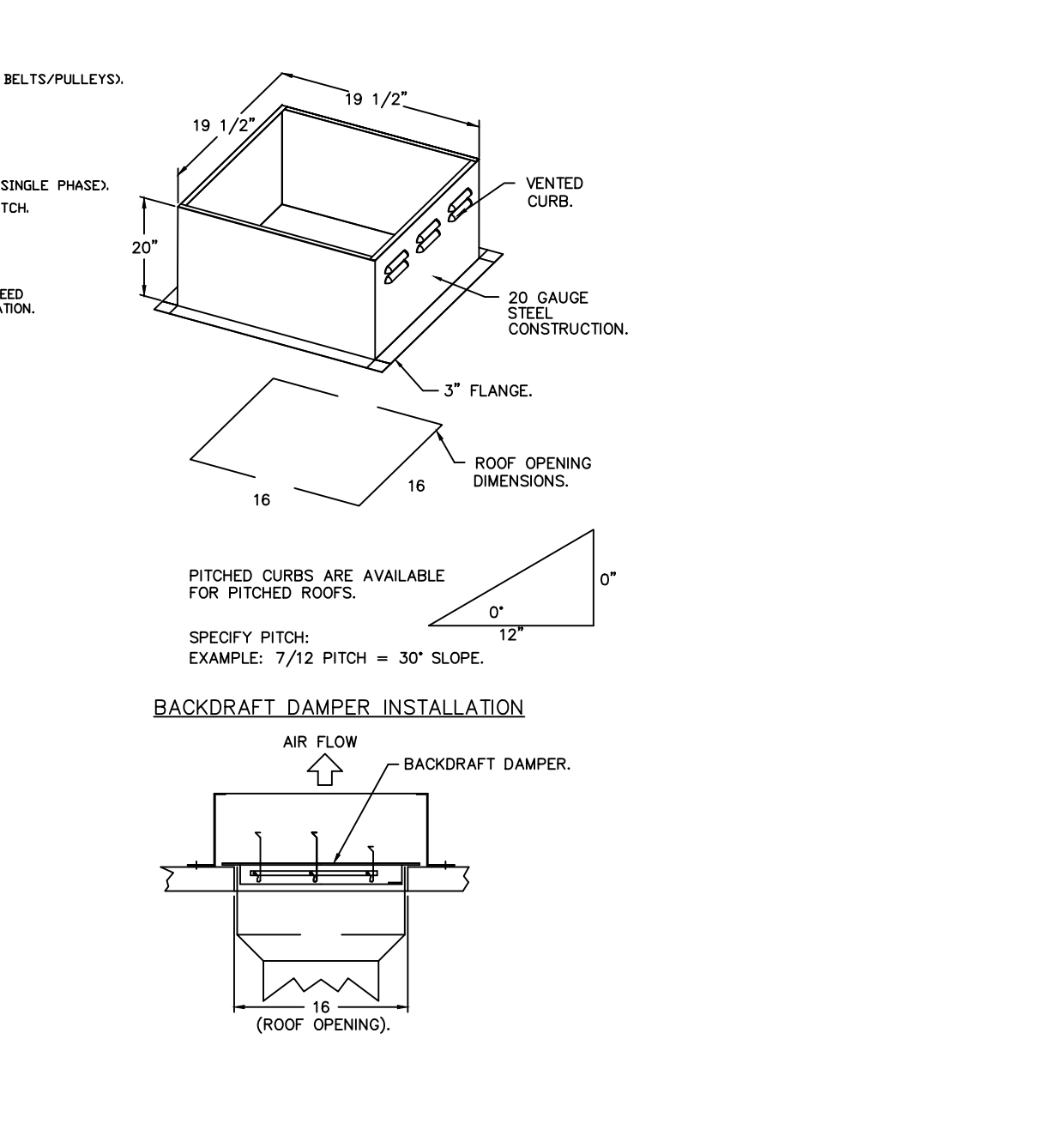
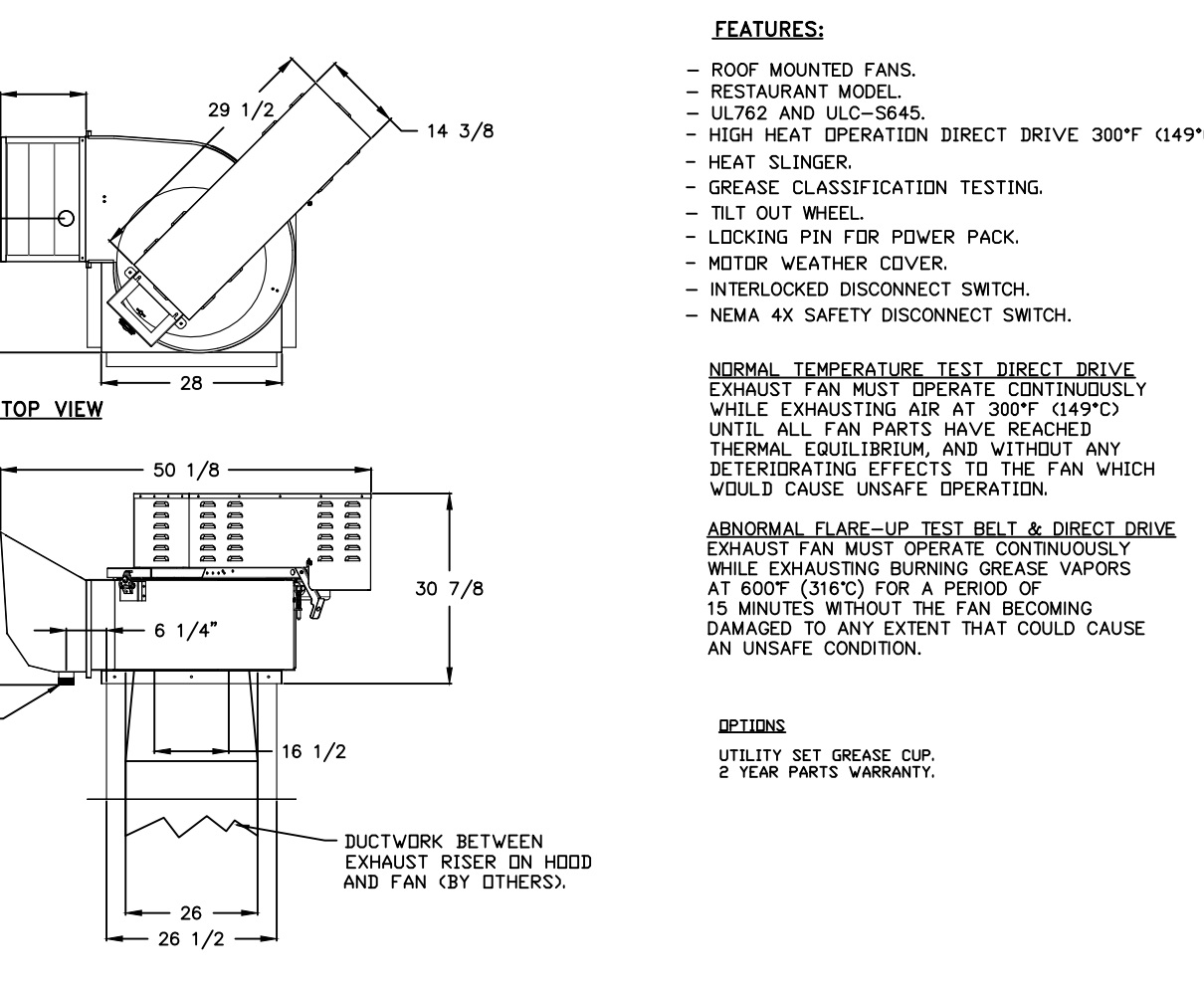
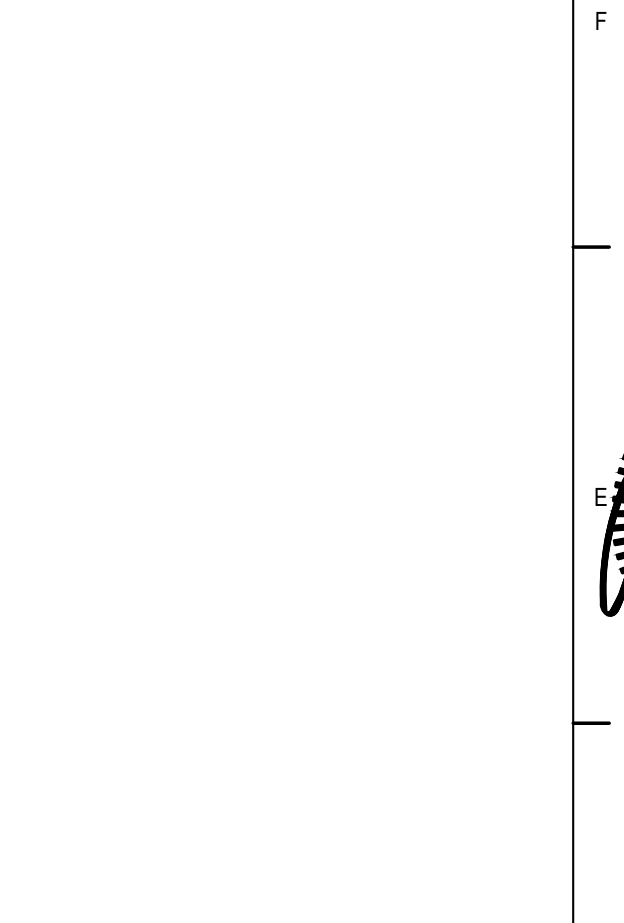
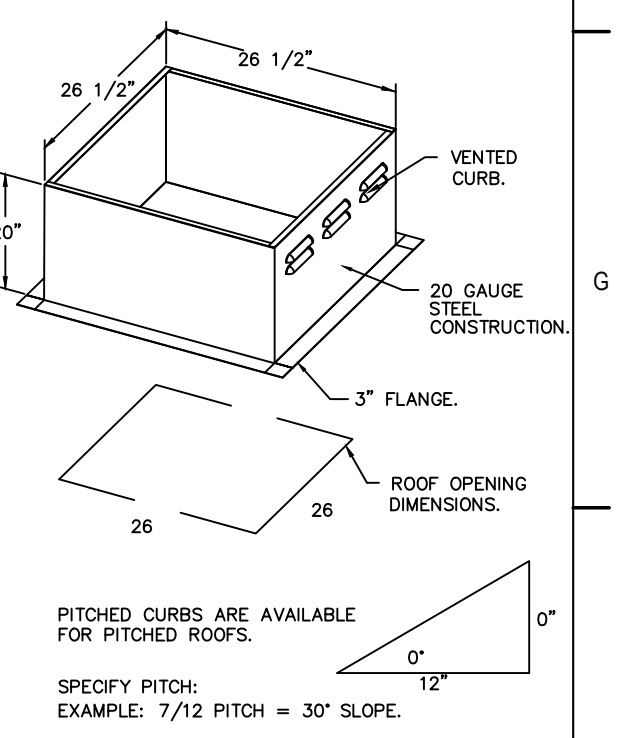
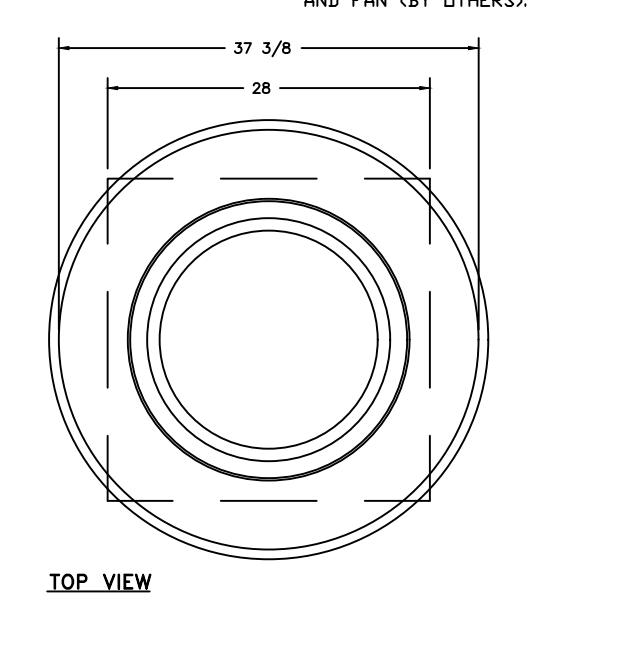
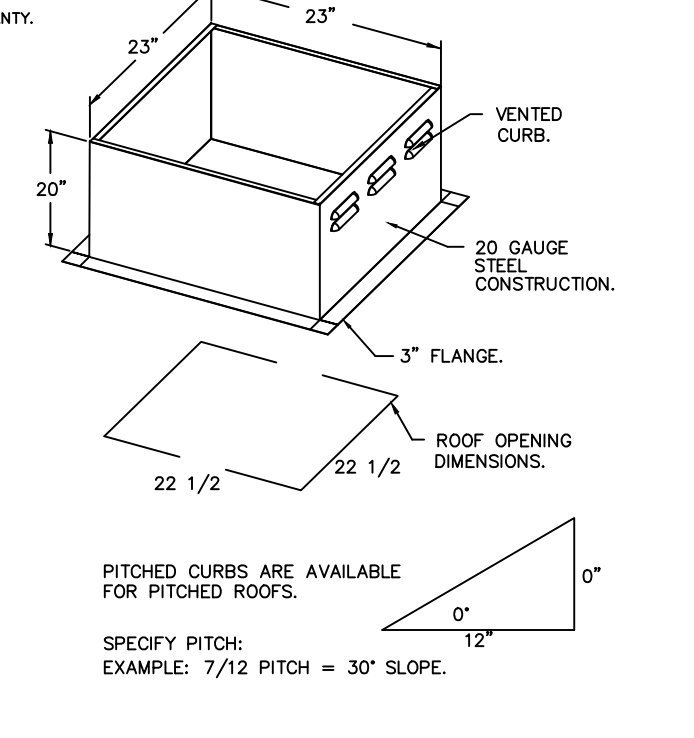
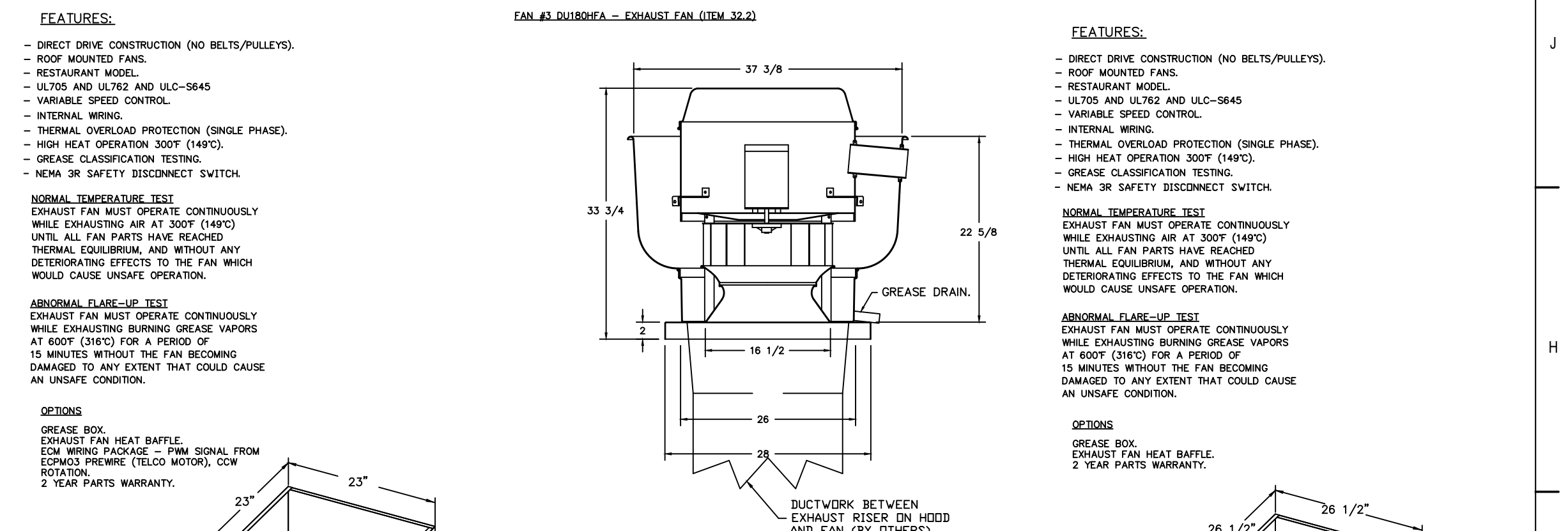
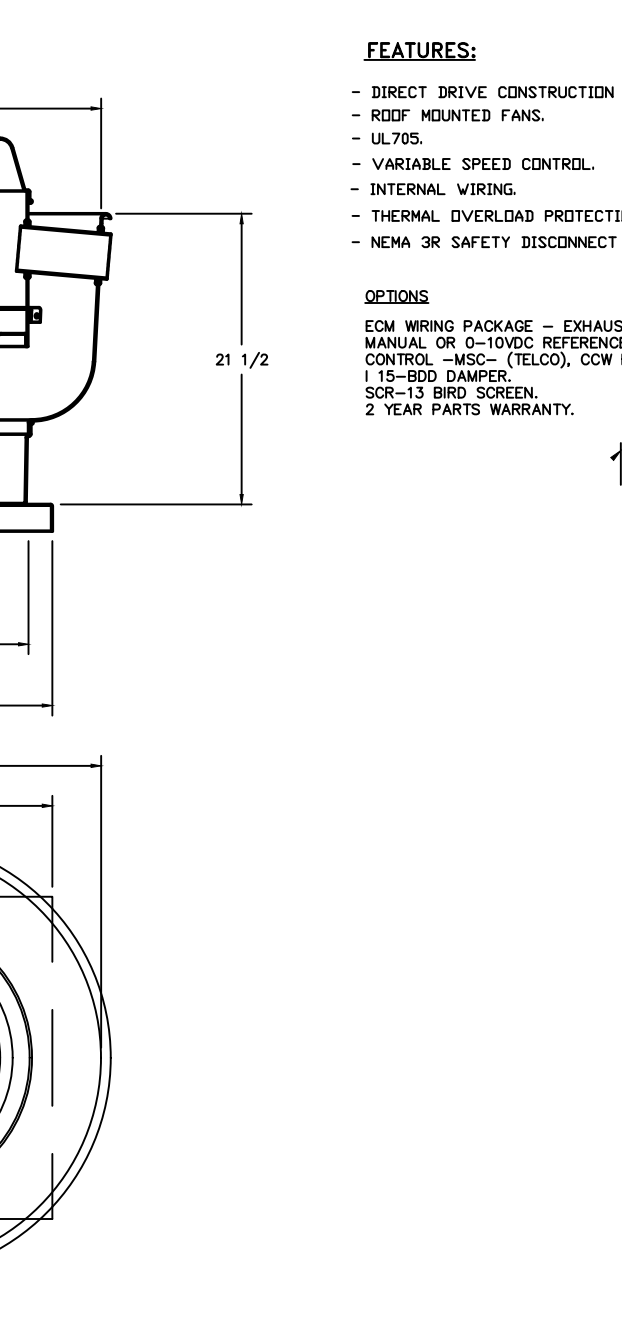
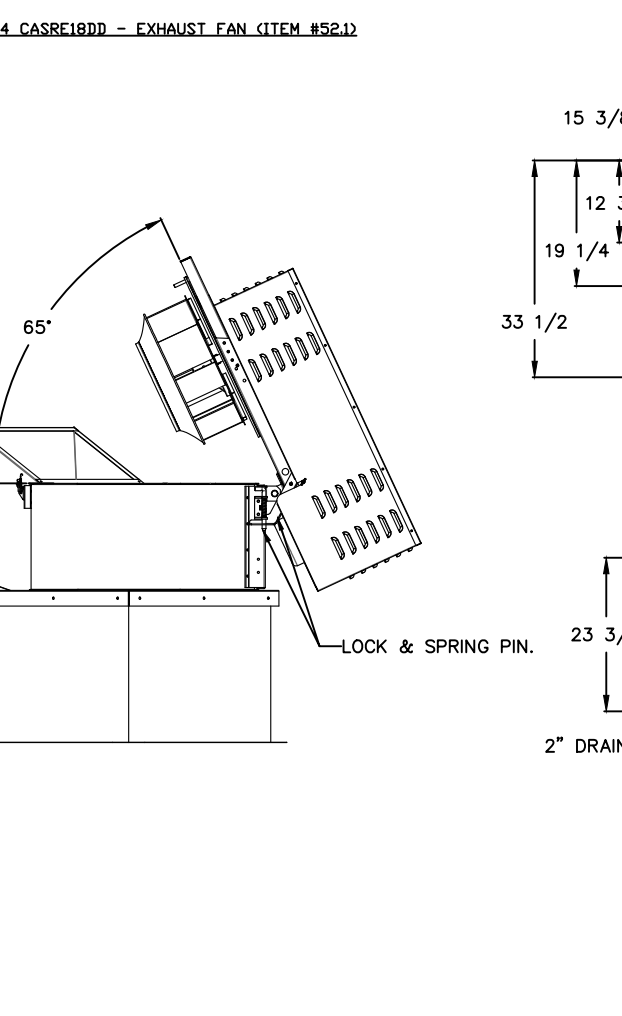
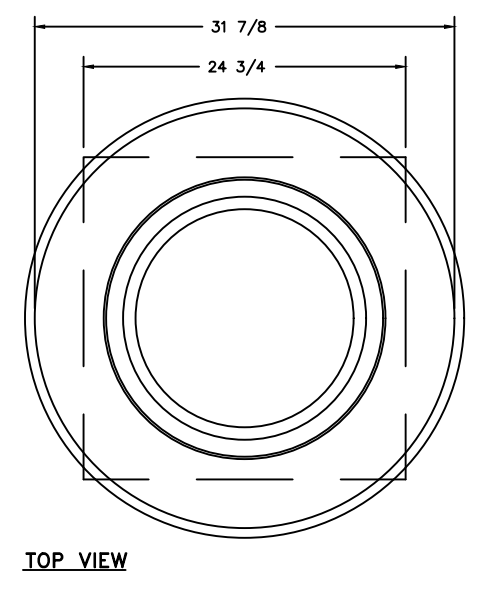
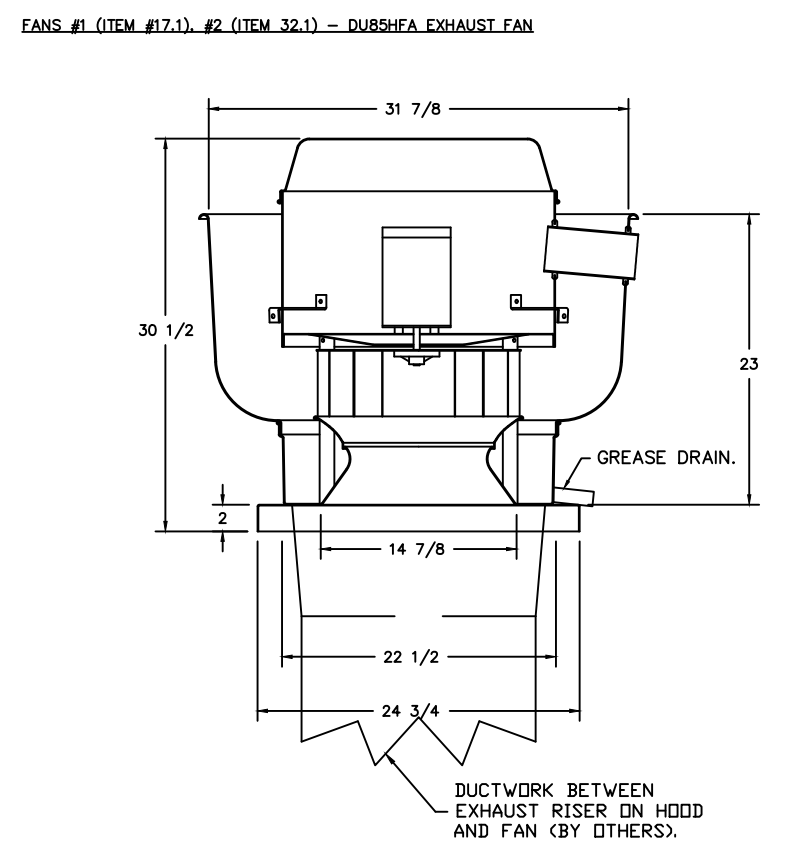
FAN UNIT NO.	TAG	QTY	DESCRIPTION
1	ITEM #17.1	1	GREASE BOX.
1	ITEM #17.1	1	EXHAUST FAN HEAT BAFFLE.
1	ITEM #17.1	1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECM03 PREWIRE (TELCO MOTOR), CCW ROTATION.
1	ITEM #17.1	1	2 YEAR PARTS WARRANTY.
2	ITEM 32.1	1	GREASE BOX.
2	ITEM 32.1	1	EXHAUST FAN HEAT BAFFLE.
2	ITEM 32.1	1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECM03 PREWIRE (TELCO MOTOR), CCW ROTATION.
2	ITEM 32.1	1	2 YEAR PARTS WARRANTY.
3	ITEM 32.2	1	GREASE BOX.
3	ITEM 32.2	1	EXHAUST FAN HEAT BAFFLE.
3	ITEM 32.2	1	2 YEAR PARTS WARRANTY.
4	ITEM #52.1	1	UTILITY SET GREASE CUP.
4	ITEM #52.1	1	2 YEAR PARTS WARRANTY.
5	ITEM 71.1	1	ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC-(TELCO), CCW ROTATION.
5	ITEM 71.1	1	15-BRD DAMPER.
5	ITEM 71.1	1	SCR-13 BRD SCREEN.
5	ITEM 71.1	1	2 YEAR PARTS WARRANTY.
5	ITEM 71.1	1	AC INTERLOCK RELAY - 24VAC COIL.
5	ITEM 71.1	1	MOTORIZED BACKDRAFT DAMPER FOR A2-D HOUSING. MEETS AMCA CLASS 1A RATING.
6	HMUA	1	LOW FRIE START.
6	HMUA	1	INLET PRESSURE GAUGE, 0-35".
6	HMUA	1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC.
6	HMUA	1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREWIRE WITH VED) - THREE PHASE ONLY.
6	HMUA	1	2 YEAR PARTS WARRANTY.

FAN ACCESSORIES

FAN UNIT NO.	TAG	EXHAUST	SUPPLY
		GREASE CUP	DAMPER
		WALL MOUNT	DISCHARGE
		SIDE DISCHARGE	DAMPER
		MOTORIZED DAMPER	WALL MOUNT
1	ITEM #17.1	YES	
2	ITEM 32.1	YES	
3	ITEM 32.2	YES	
4	ITEM #52.1	YES	
5	ITEM 71.1	YES	
6	HMUA		YES

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	ITEM #17.1	36 LBS	CURB	23.000"W X 23.000"L X 20.000"H VENTED HINGED.
2	# 2	ITEM 32.1	36 LBS	CURB	23.000"W X 23.000"L X 20.000"H VENTED HINGED.
3	# 3	ITEM 32.2	41 LBS	CURB	26.500"W X 26.500"L X 20.000"H VENTED HINGED.
4	# 4	ITEM #52.1	92 LBS	CURB	26.500"W X 26.500"L X 24.000"H VENTED HINGED 16 GAUGE.
5	# 5	ITEM 71.1	27 LBS	CURB	19.500"W X 19.500"L X 20.000"H VENTED.
6	# 6	HMUA	76 LBS	CURB	31.000"W X 79.000"L X 15.000"H INSULATED.

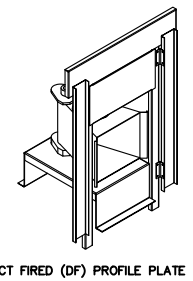


BACKDRAFT DAMPER INSTALLATION

- FAN #5 A2-0.900-200 - HEATER (HMJA)
1. DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 20" MIXED FLOW DIRECT DRIVE FAN.
 2. INTAKE HOOD WITH EZ FILTERS.
 3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT.
 4. COOLING INTERLOCK RELAY - 24VAC COIL - 120V CONTACTS - LOCKS OUT BURNER CIRCUIT WHEN AC IS ENERGIZED.
 5. MOTORIZED BACK DRAFT DAMPER 22" DIA. x 24" FOR SIZE 2 STANDARD & MODULAR HEATER UNITS W/STANDARD DRAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, LPT2050 ACTUATOR INCLUDED.
 6. LOW FIRE STAFF - ALONGS THE BURNER CIRCUIT TO ENGAGE WHEN THE MODULATION CONTROL IS IN A LOW FIRE POSITION.
 7. GAS PRESSURE GAUGE - 0-30", 2.5" DIAMETER, 1/4" THREAD SIZE.
 8. GAS PRESSURE GAUGE - 0-15" INCHES W.C., 2.5" DIAMETER, 1/4" THREAD SIZE.
 9. SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS - OPTION MUST BE SELECTED WHEN MOUNTING UP IN PREWIRE PANEL OR WITH LOW VOLTAGE. PROVIDES SEPARATE 120VAC INPUT TO SUPPLY FAN. THIS 120V SIGNAL MUST BE RUN BY ELECTRICIAN FROM COU TO MAIN SWITCH.
 10. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER SECTION).
 11. 2 YEAR PARTS WARRANTY.



SUPPLY SIDE HEATER INFORMATION:
 WINTER TEMPERATURE = 20°F. TEMP. RISE = 55°F.
 BTUH CALCULATED OFF ACTUAL AIR DENSITY.
 OUTPUT BTUH AT ALTITUDE OF 524 FT. = 347669.
 INPUT BTUH AT ALTITUDE OF 524 FT. = 378227.
 OUTPUT BTUH AT ALTITUDE OF 524 FT. = 336506.
 INPUT BTUH AT ALTITUDE OF 524 FT. = 305766.



DIRECT FIRED (DF) PROFILE PLATE ASSEMBLY

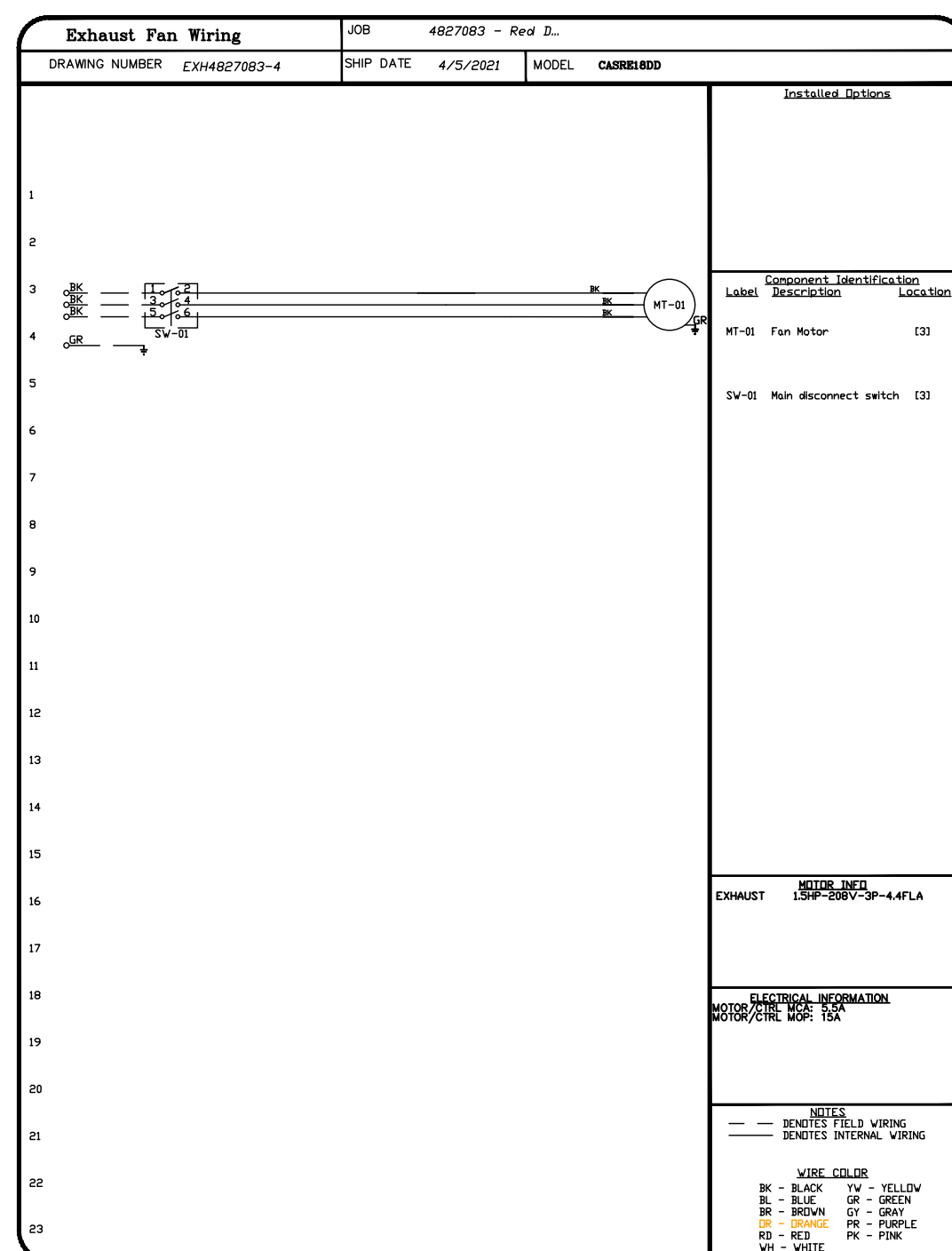
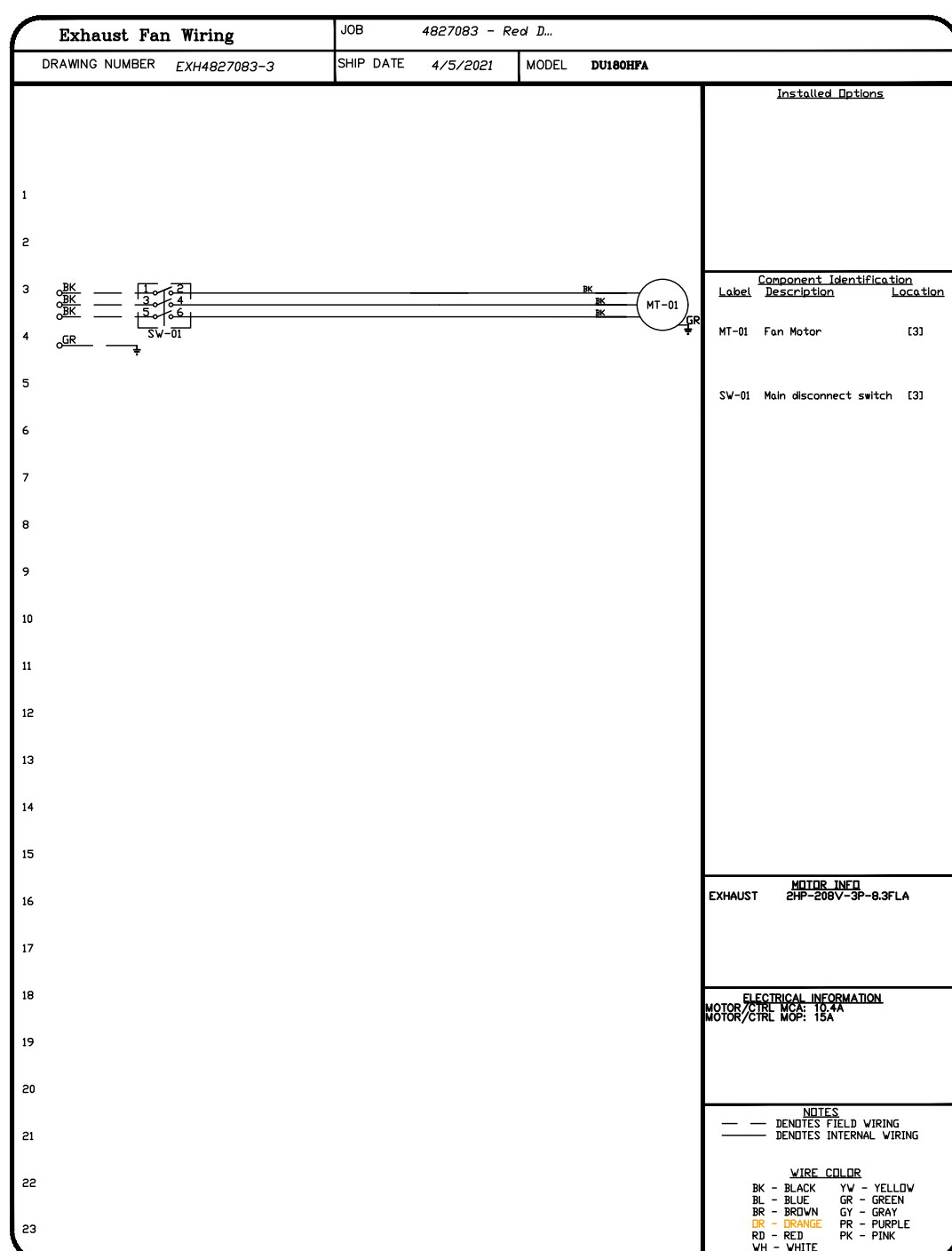
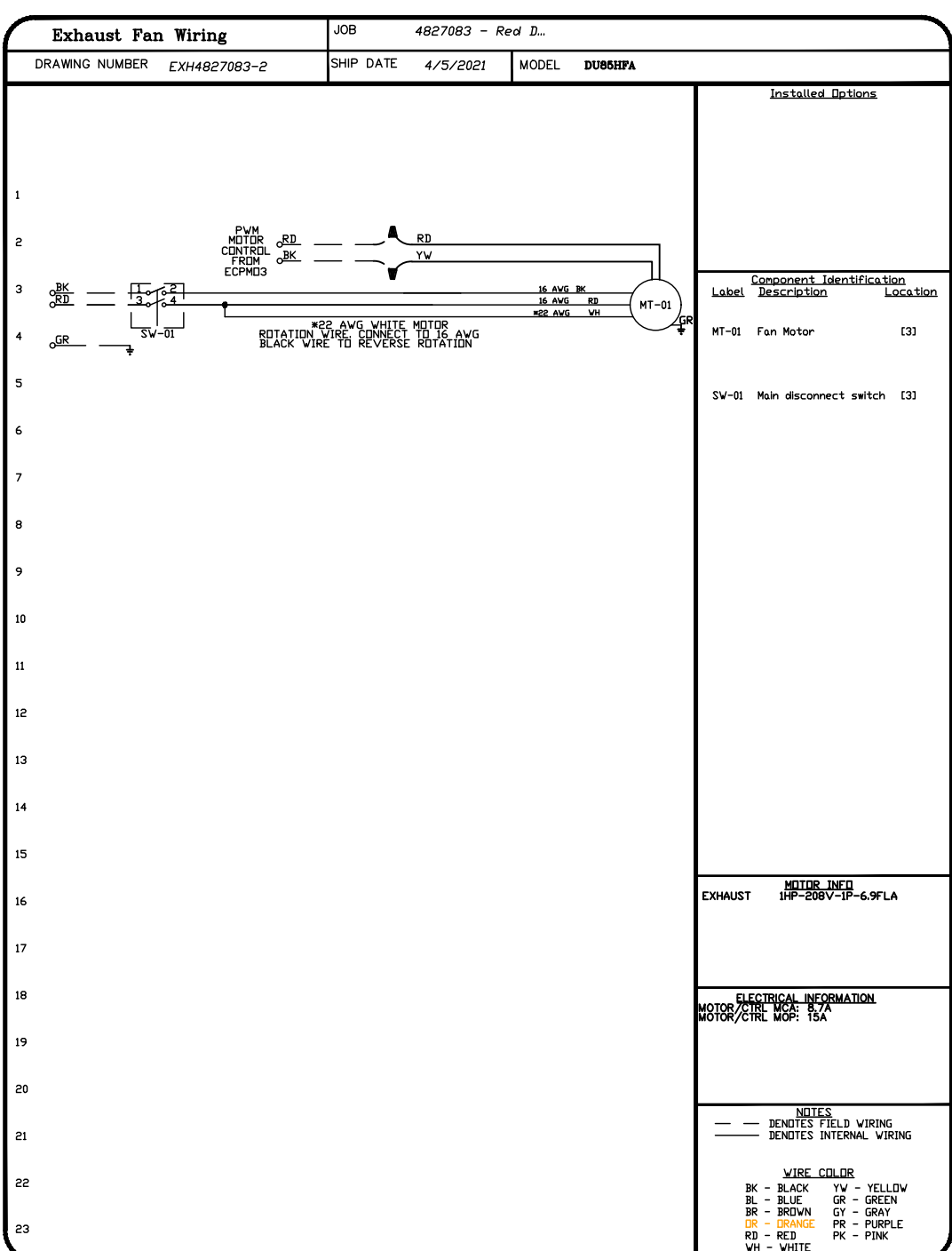
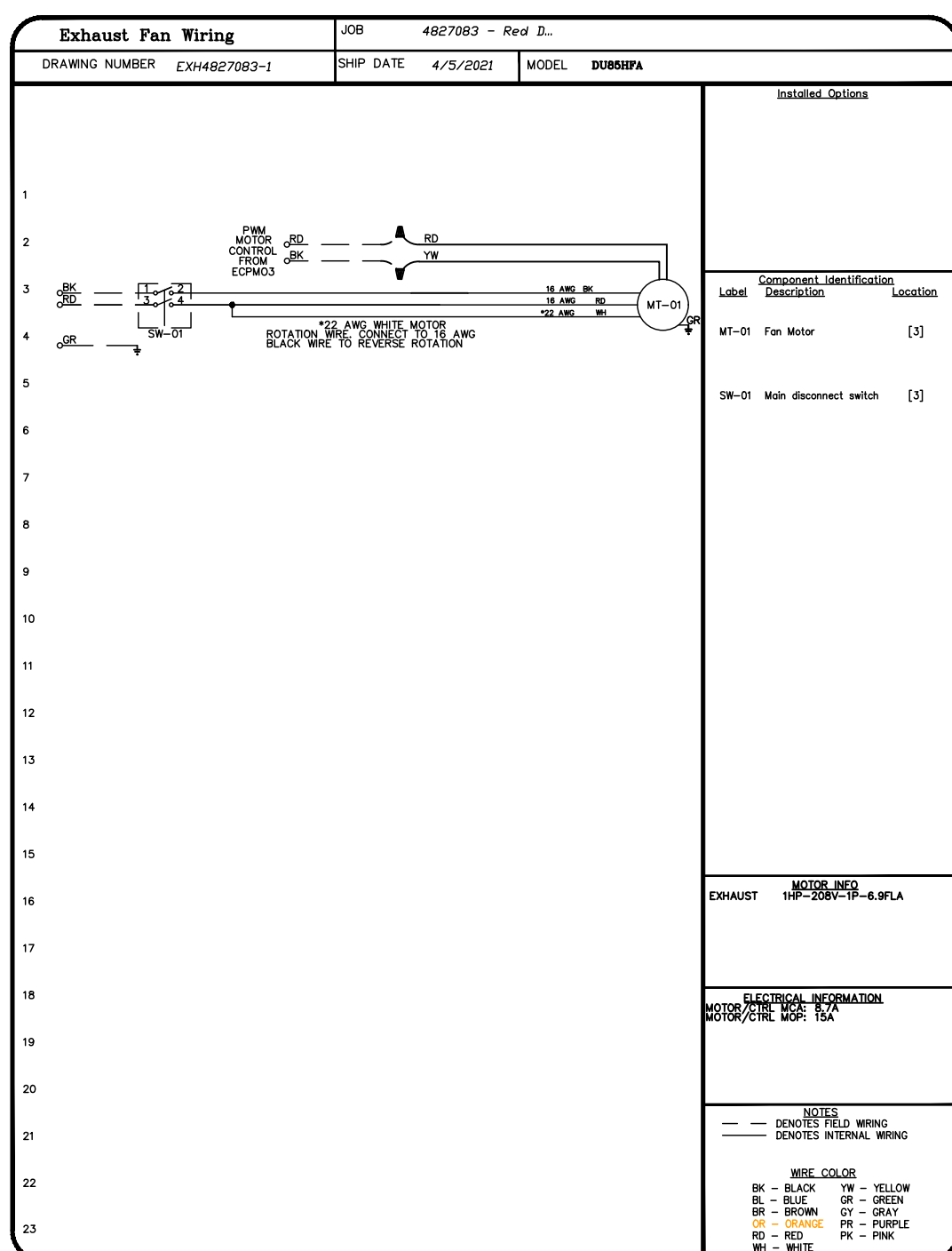
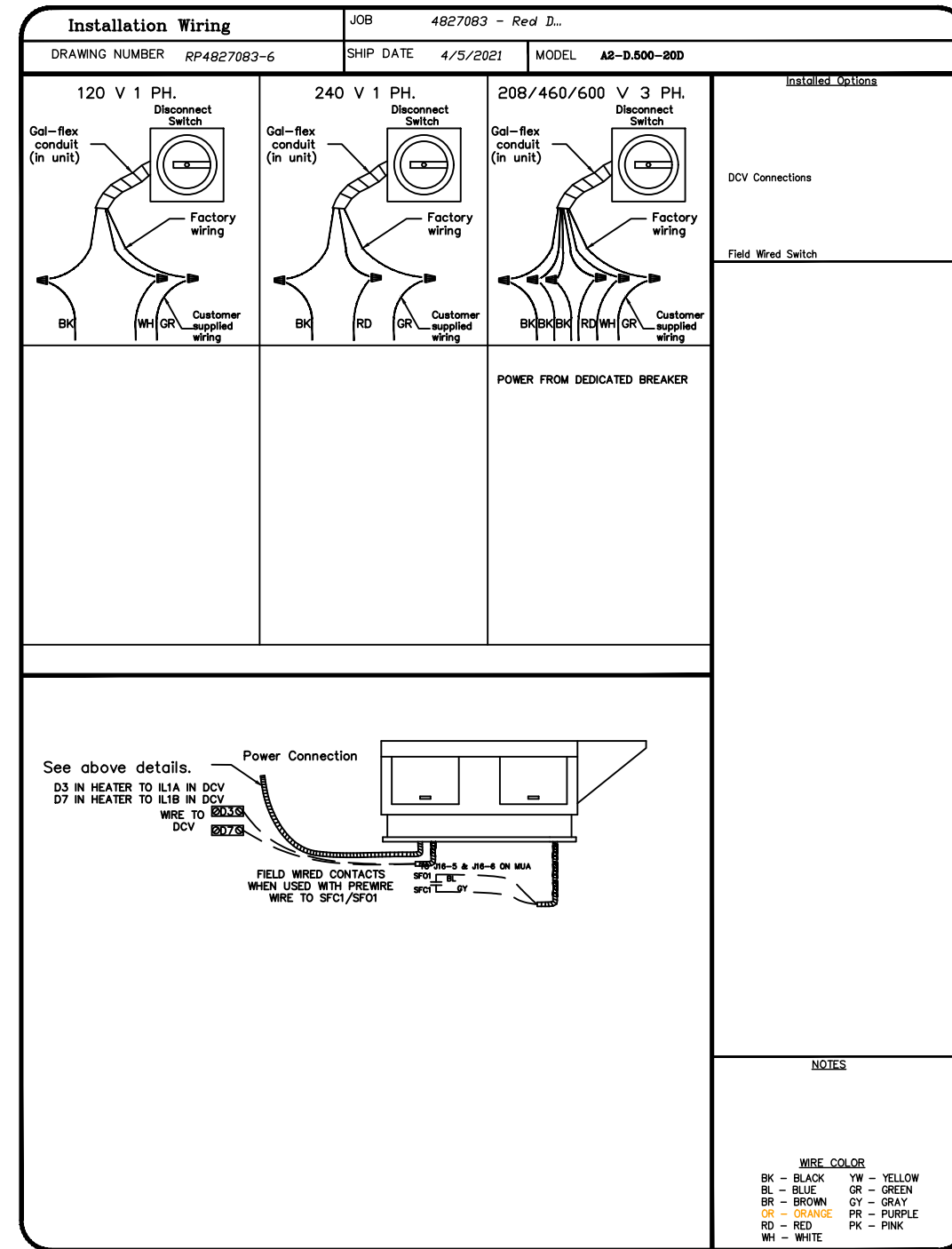
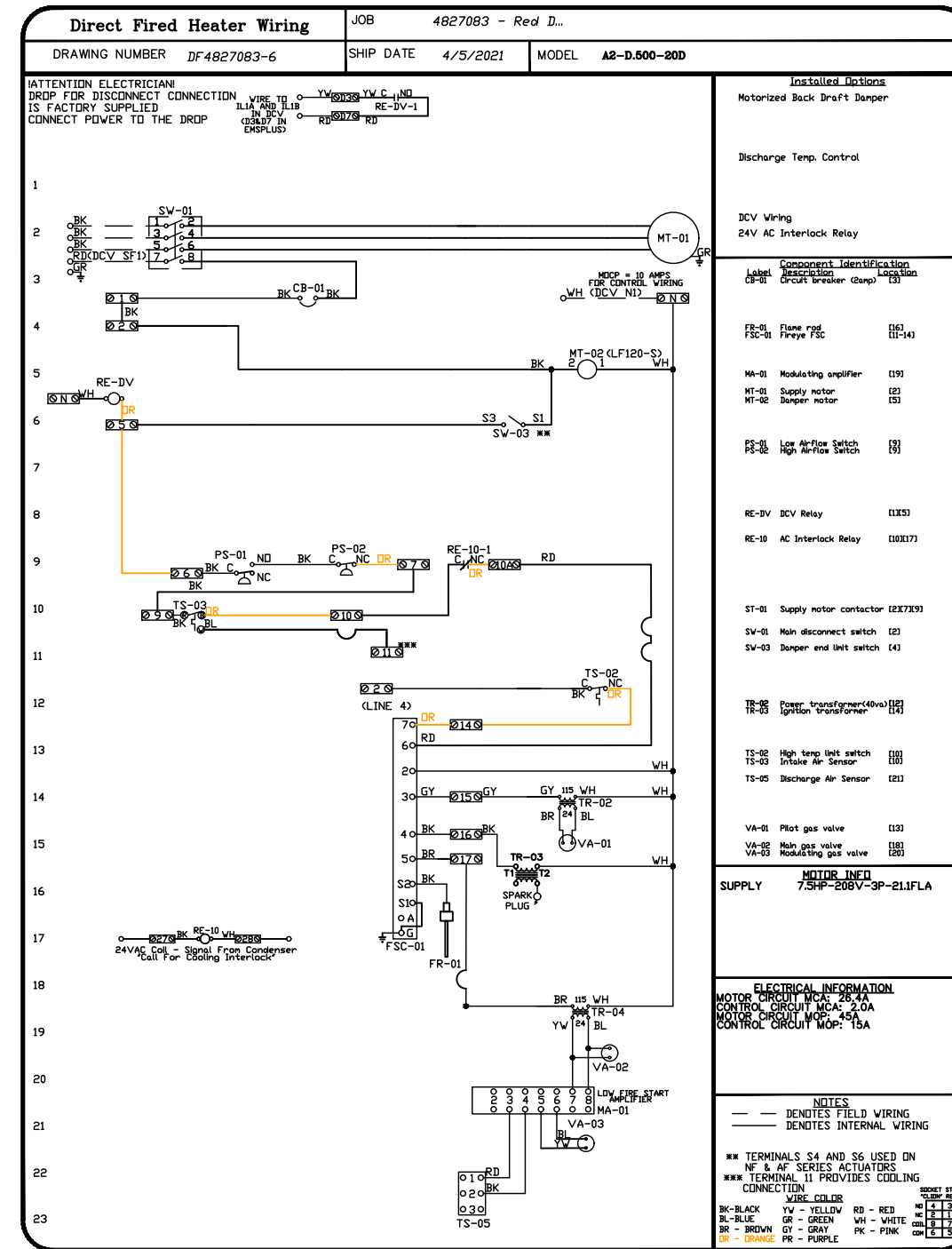
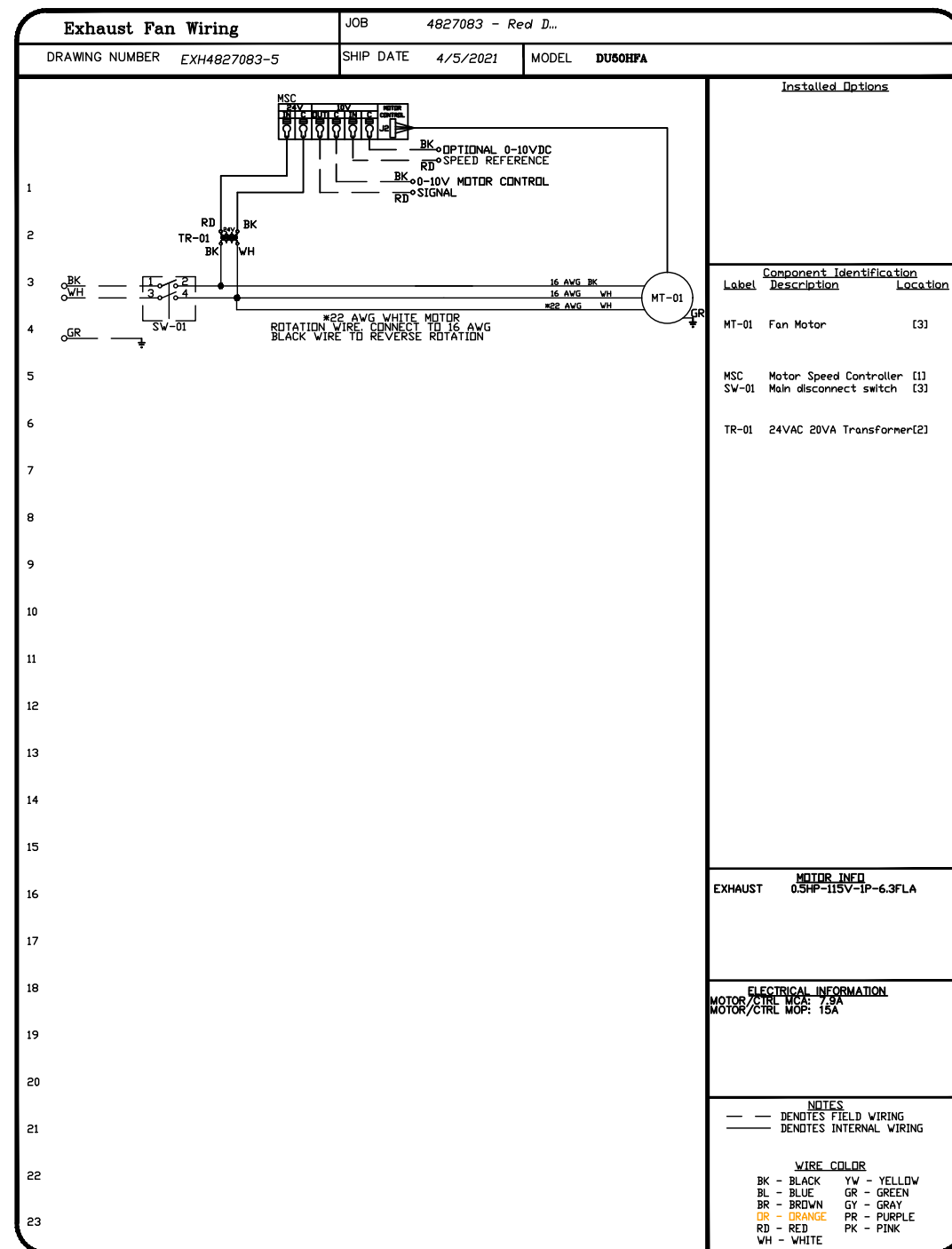
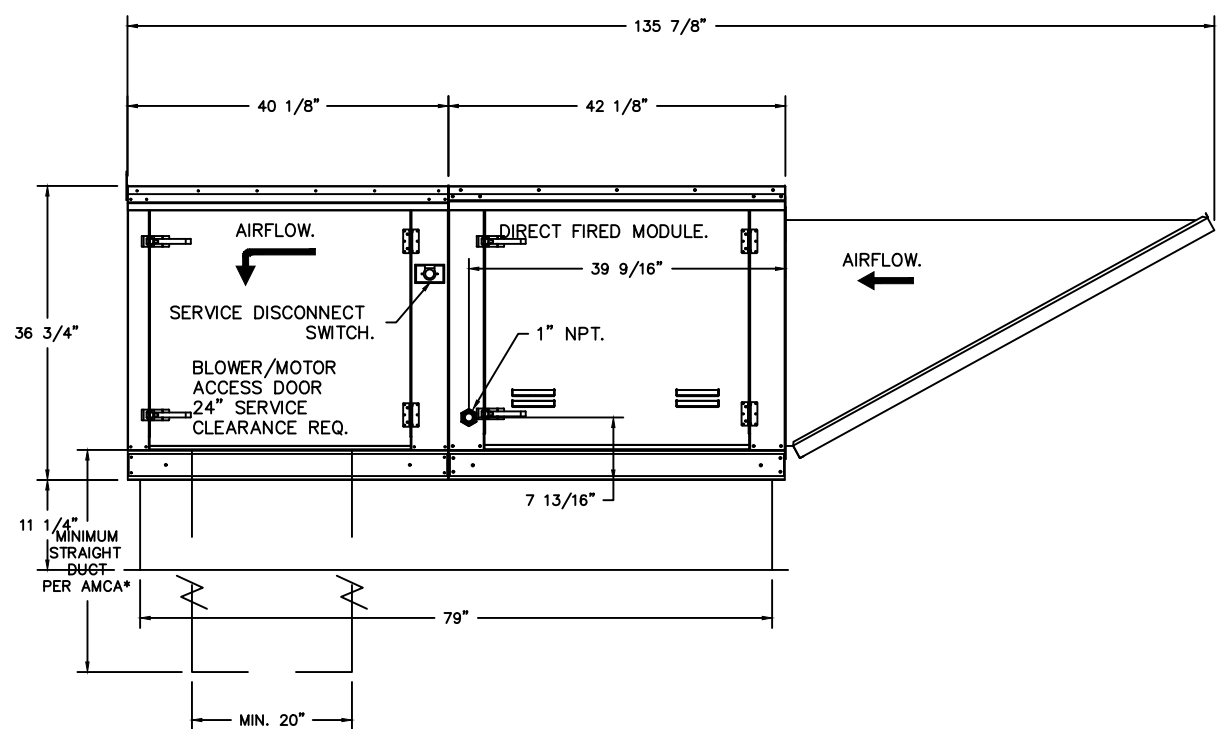
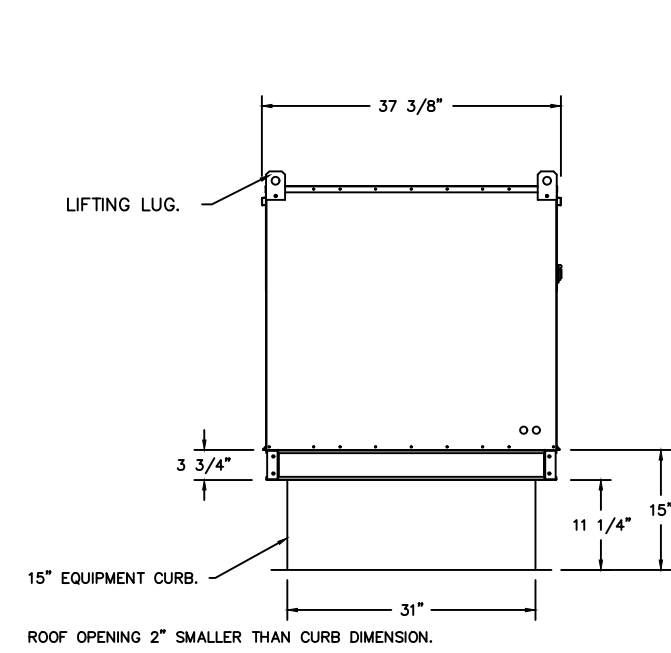
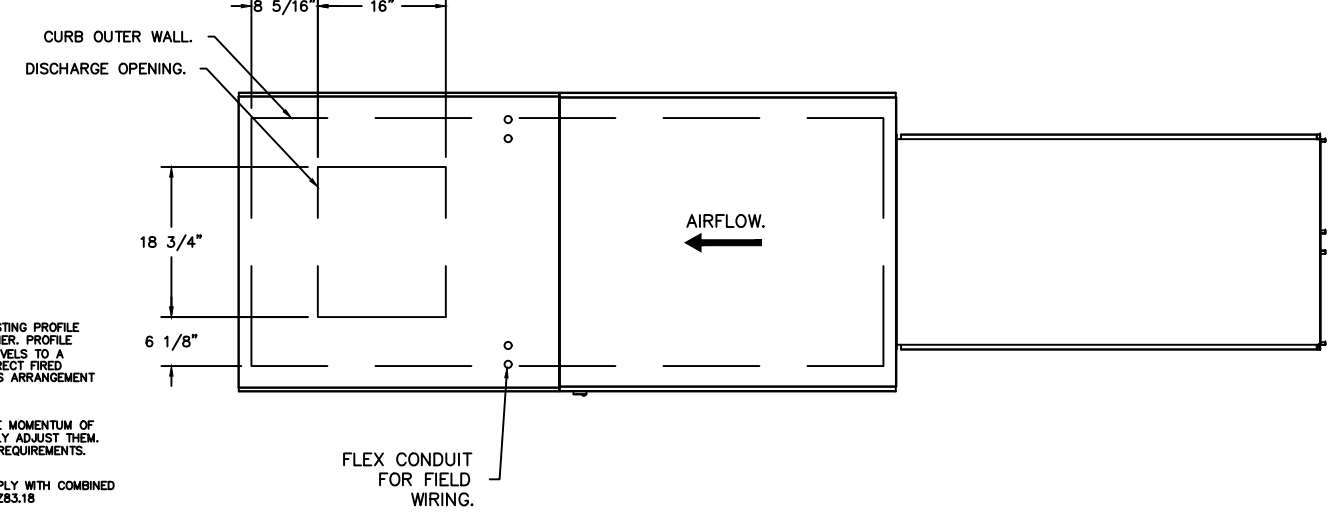
DIRECT FIRED PROFILE PLATE SPECIFICATIONS:

SECTION:
 DIRECT FIRED PROFILE PLATES SHALL BE FORMED FROM 304 GALVANIZED PROFILE PLATE PERMANENTLY ATTACHED TO THE FRONT AND REAR OF THE BURNER PROFILE PLATE SHALL BE FORMED TO ALLOW CLEAR PASSAGE OF GASES TO THE BURNER PROFILE PLATE. THE BURNER PROFILE PLATE SHALL BE FORMED TO ALLOW CLEAR PASSAGE OF GASES TO THE BURNER PROFILE PLATE. THE BURNER PROFILE PLATE SHALL BE FORMED TO ALLOW CLEAR PASSAGE OF GASES TO THE BURNER PROFILE PLATE.

APPLICATION:
 DIRECT FIRED BURNER PROFILE PLATES ARE ENGINEERED TO AUTOMATICALLY HEAT TO THE WORKING OF A FURNACE AIR STREAM WITHOUT THE NEED FOR ANY MOTOR OR ACTUATOR TO MECHANICALLY ASSIST THEM WITH THE FEATURE. ALL OF THESE ARE REQUIRED FOR SEPARATE CONTROL, ACTIVATION (BY REMOTE CONTROL) AND DEACTIVATION (BY REMOTE CONTROL).

INSTALLATION:
 DIRECT FIRED PROFILE PLATE ASSEMBLY SHALL BE INCLUDED IN THE DF UNITS EX LISTING AND COMPLY WITH COMBUSTION APPLIANCE LISTING AND CSA 2.2 (NON-RECOGNIZED AS RELATED) AND ALSO LISTED (RECOGNIZED AS RELATED).

GENERAL CONSTRUCTION:
 PROFILE PLATES SHALL BE FORMED FROM 304 GALVANIZED STEEL.
 PROFILE PLATES SHALL BE FORMED TO ALLOW CLEAR PASSAGE OF GASES TO THE BURNER PROFILE PLATE.
 SEAMER SHALL INCORPORATE PROPERLY LOCATED, PERMANENTLY MOUNTED SPRING HINGES - SPRING HINGES SHALL BE MADE FROM PLATED STEEL.



ARCHITECTURAL
URBAN PRAIRIE
 COLLABORATIVE, P.C.

Red Door Grill - Lee's Summit
 Construction Documents
 Lot 1 Streets Of Pryor
 Lee's Summit, MO



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 mechanical, electrical, and plumbing
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structural
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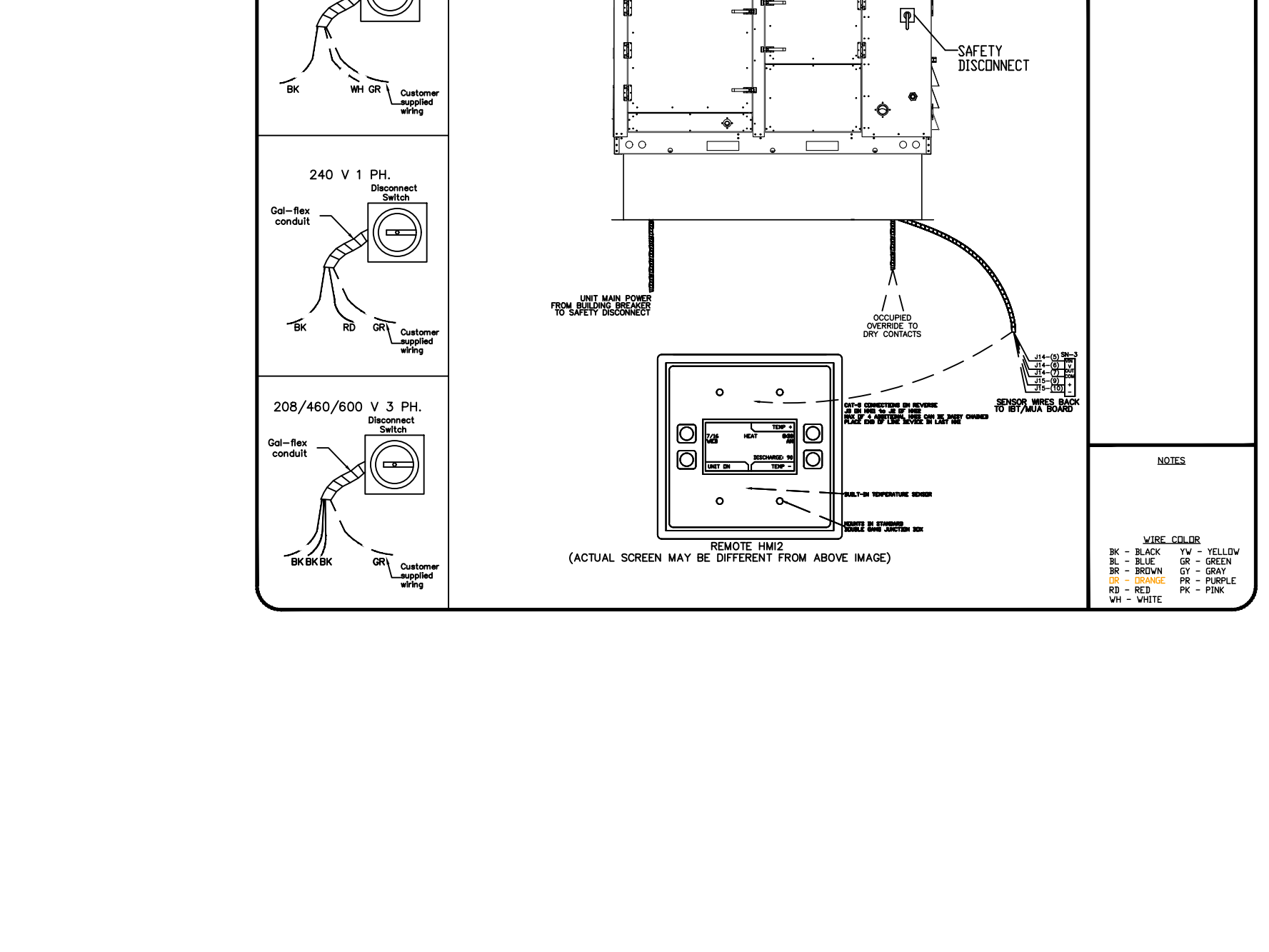
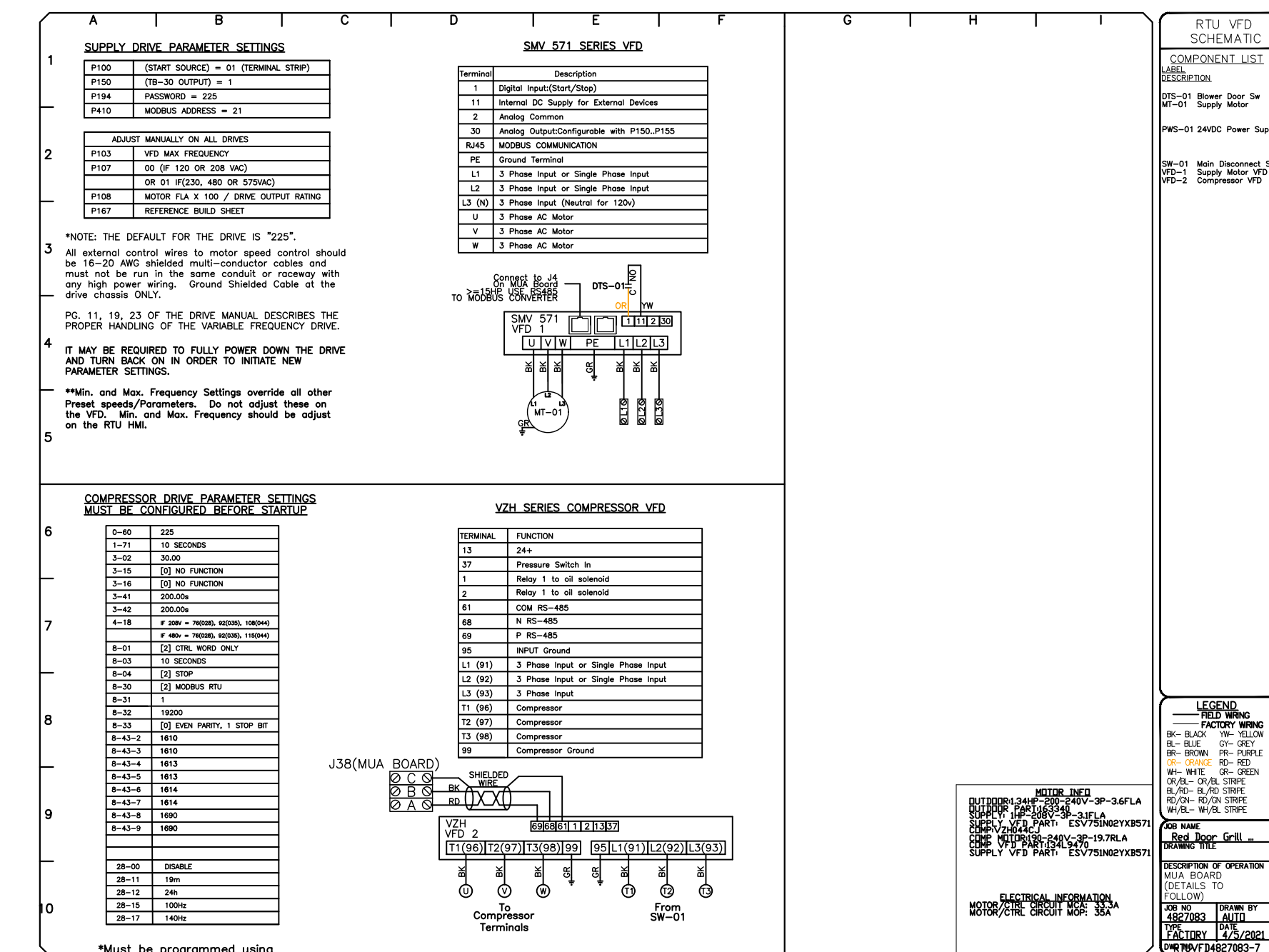
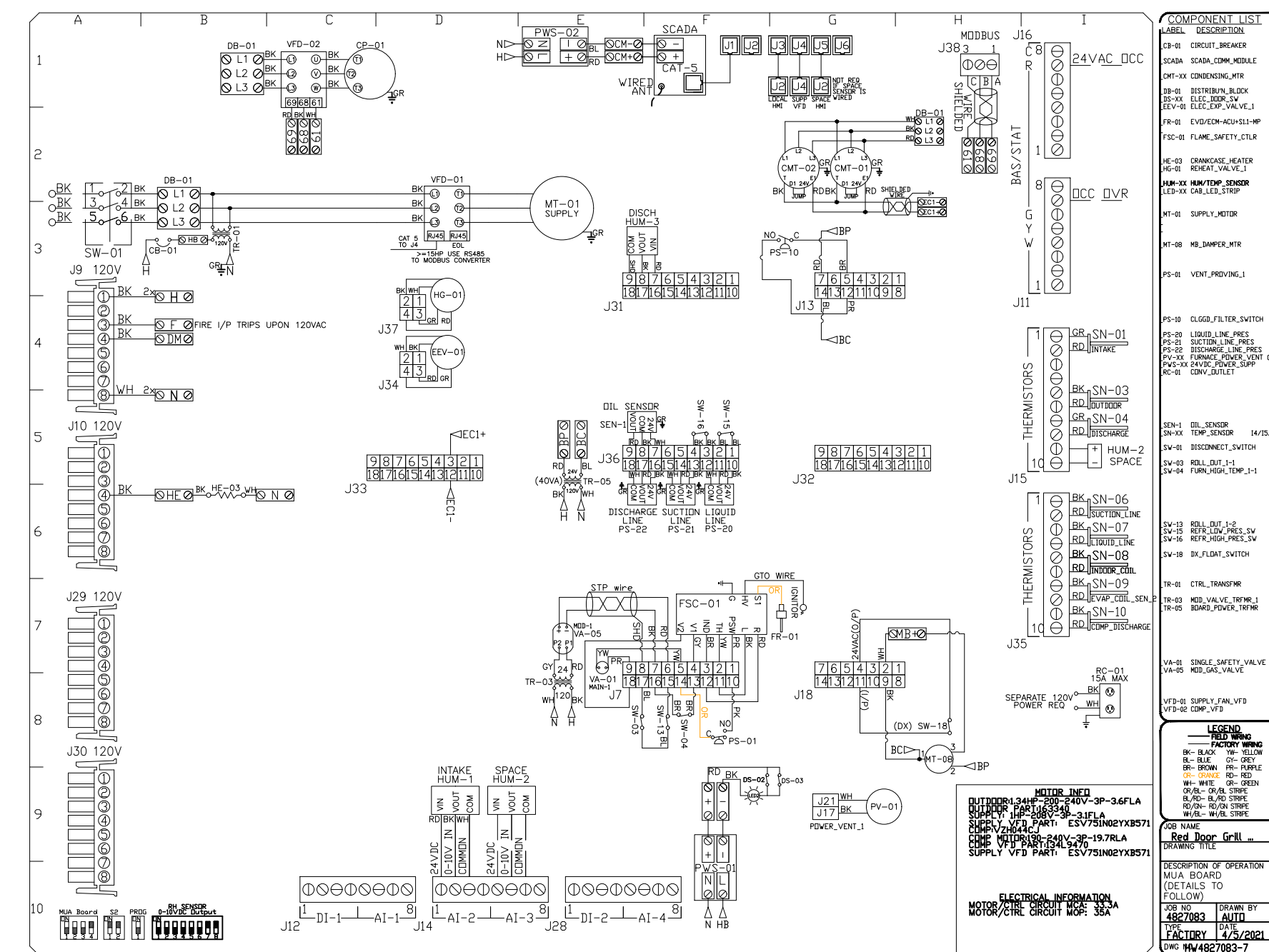
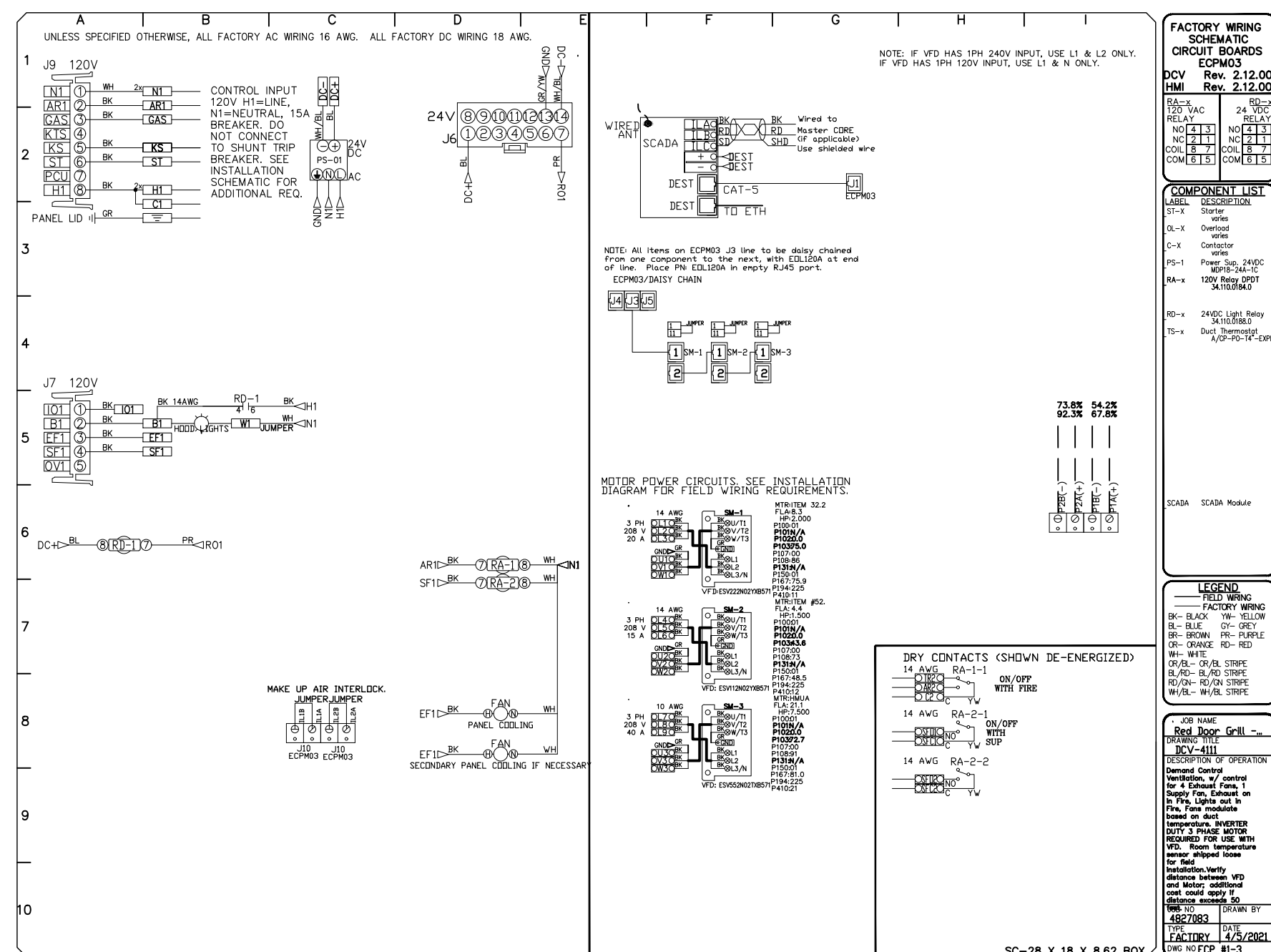
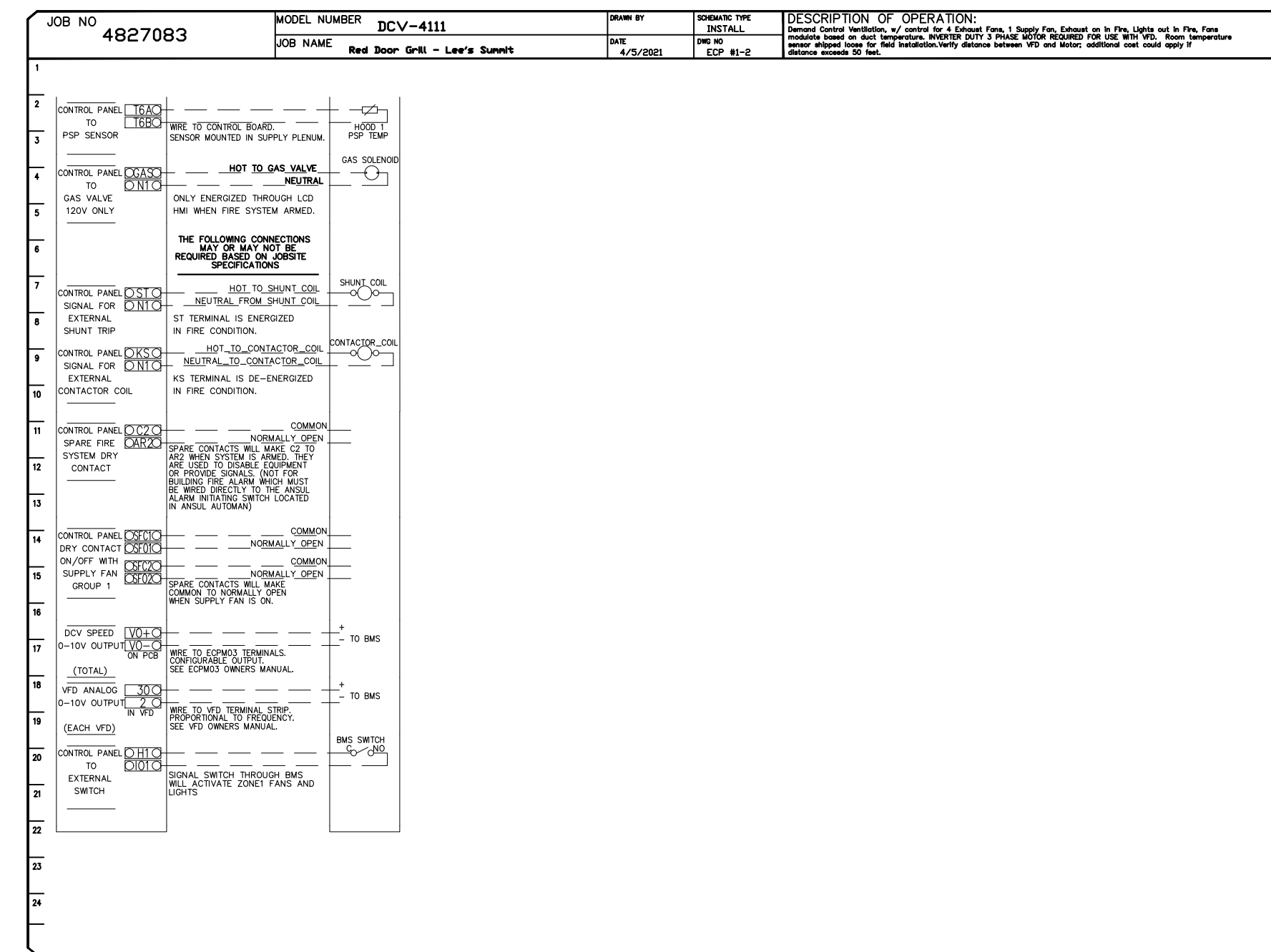
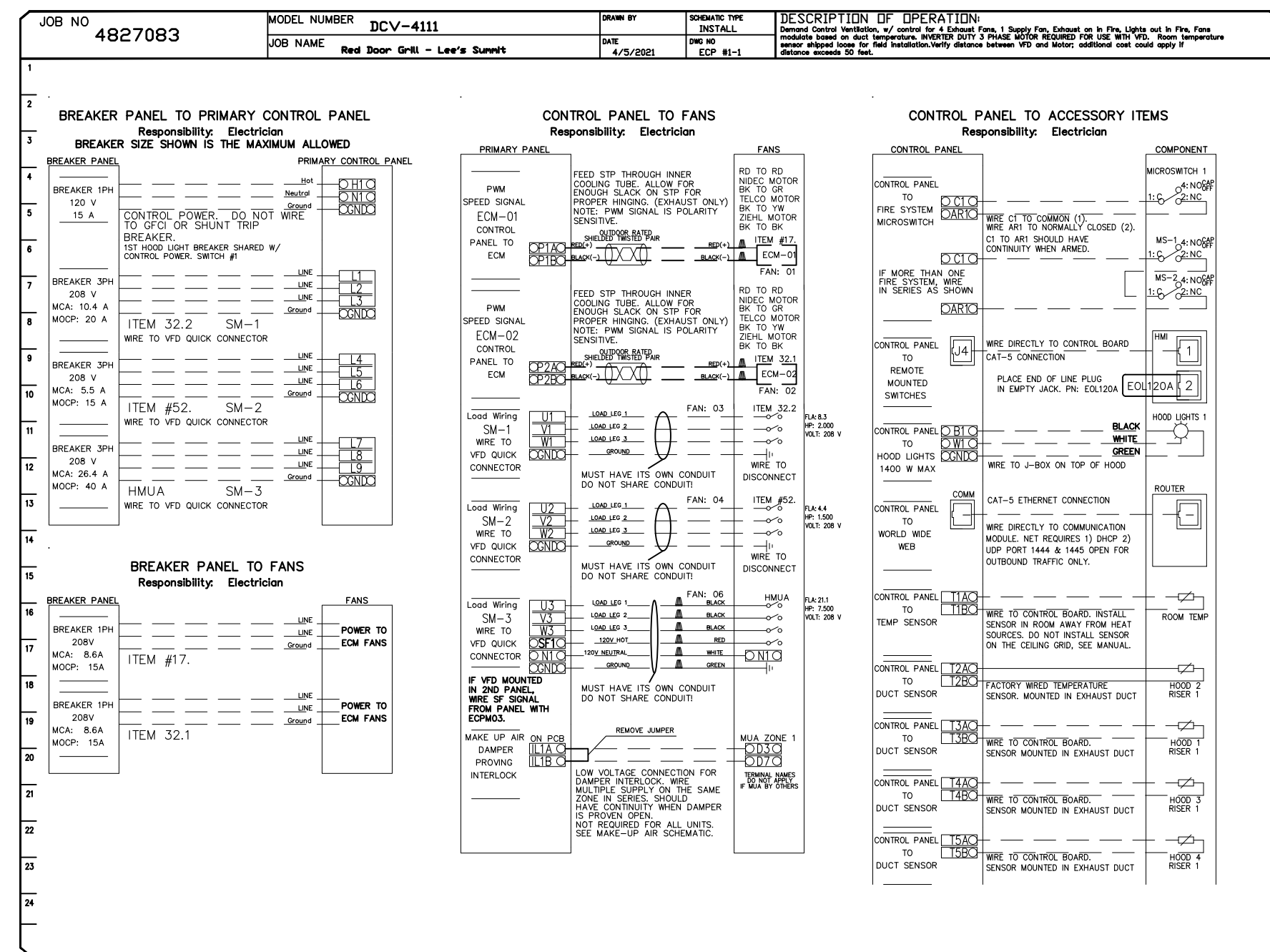
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Missouri Certificate of Authority: #
 PROJECT NUMBER: 20.033
 ISSUE DATE: 10 March 2021
 REVISIONS: DATE
 1 Bid/Permit Set 04.16.2021

Mechanical Details
M204
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NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		FAN TAG	TYPE	HP	VOLT	FLA
1	EC1	DCV-4111	UTILITY CABINET LEFT	08 - SHIP LOOSE W/ FIRMWARE	1 LIGHT	SMART CONTROLS DCV	ITEM #17.1	EXHAUST	1,000	208	6.9
					1 FAN		ITEM #32.1	EXHAUST	1,000	208	6.9
							ITEM #32.2	EXHAUST	3,200	208	8.3
							ITEM #52.1	EXHAUST	3,500	208	4.4
							HMAA	SUPPLY	3,750	208	21.1



ARCHITECTURAL
URBAN PRAIRIE
 COLLABORATIVE, P.C.

Red Door Grill - Lee's Summit
 Construction Documents
 Lot 1 Streets Of Pryor
 Lee's Summit, MO

4-16-21
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 Missouri Certificate of Authority #
 PROJECT NUMBER: 20.033
 ISSUE DATE: 10 March, 2021
 REVISIONS: DATE
 1.0 Initial Set 04.16.2021

Mechanical Details
M205
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GENERAL NOTES:

1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW GENERAL NOTES, SPECIFICATIONS AND OTHER DISCIPLINE'S DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, OWNER AND ENGINEER OF ANY DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. EXISTING CONDITIONS WERE TAKEN FROM AS BUILT DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. COORDINATE DEMOLITION WORK AND NEW WORK WITH EXISTING CONDITIONS AND OTHER TRADES PRIOR TO CONSTRUCTION.
3. REFER TO ARCHITECTURAL DRAWINGS FOR RELATED CONSTRUCTION DETAILS AS APPLICABLE TO THE PLUMBING SYSTEMS. VERIFY CHASE AND PENETRATION LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS THAT ARE INTENDED FOR PIPING MEET REQUIREMENTS.
4. INSTALL PIPING PARALLEL TO BUILDING LINES, UNLESS NOTED OTHERWISE.
5. COORDINATE LOCATION OF EQUIPMENT AND SUPPORTS WITH LOCATION OF ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT. IF NO ACCESS PANEL IS SHOWN, PROVIDE ACCESS PANEL IN SIZE REQUIRED FOR MAINTENANCE OF EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
6. SEAL PENETRATIONS THROUGH BUILDING COMPONENTS IN ACCORDANCE WITH LOCAL CODES. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS.
7. MODIFY EXISTING SPRINKLER SYSTEM TO ACCOMMODATE NEW WORK. DESIGN AND INSTALL PER NFPA13, LATEST EDITION.
8. COORDINATE EXACT ROUGH-IN REQUIREMENTS AND LOCATIONS FOR KITCHEN EQUIPMENT WITH KITCHEN EQUIPMENT PLANS PREPARED BY OTHERS.

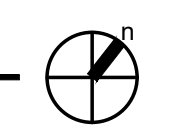
PLAN NOTES:

- 1 3" SAN/GREASE UP TO FLOOR DRAIN/FLOOR SINK ABOVE. COORDINATE EXACT LOCATION WITH KITCHEN DRAWINGS AND ARCHITECTURAL DRAWINGS.
- 2 3/4" CW, 1/2" HW AND 3" VENT DOWN FROM ABOVE. ROUTE UNDERSLAB TO WAIT ISLAND.
- 3 1" CW, 1" HW AND 3" VENT DOWN FROM ABOVE. ROUTE UNDERSLAB TO BAR.
- 4 4" SAN. RE: CIVIL PLAN FOR CONTINUATION.
- 5 4" GREASE. RE: CIVIL FOR CONTINUATION.
- 6 6" STORM. RE: CIVIL FOR CONTINUATION.
- 7 4" STORM UP TO ABOVE SLAB.
- 8 2" CW. RE: CIVIL FOR CONTINUATION.
- 9 2" CW UP TO FLOOR ABOVE.

Grease Interceptor Sizing		
Line Size	4	Inch
Equivalent GPM	45	GPM
Retention Time	30	Minutes
Oil Required Size	1350	Gallons

PLUMBING FIXTURE CONN. SCHEDULE					
FIXTURE	MARK	CW	HW	WASTE	VENT
LAVATORY	L-1	1/2"	1/2"	2"	1-1/2"
URINAL	U-1	3/4"	--	3"	2"
FLUSH VALVE WATER CLOSET	WC-1	1-1/2"	--	4"	2"
JANITOR SINK	JS-1	3/4"	3/4"	3"	2"
SINK	S-1	1/2"	1/2"	2"	2"
FLOOR SINK	FS-1	--	--	3"	2"
3" FLOOR SINK	3" FS-1	--	--	3"	--
3" FLOOR DRAIN	3" FD-1	--	--	3"	--
FLOOR DRAIN	FD-1	--	--	2"	1-1/2"
TRENCH DRAIN	TD-1	--	--	3"	--

1 Underslab Plan - Plumbing
1/4"=1'-0"



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 Overland Park, Kansas 66212
 p. 913.945.2490
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 4370 W. 109th St., Ste. 203
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 PROJECT NUMBER: 20.033
 ISSUE DATE: 10 March 2021

REVISIONS	DATE
8 Bid/Permit Set	04.16.2021
1 ADD #1	05.03.2021
3 PLAN REVIEW COMMENTS	05.12.2021

Underslab Plumbing Plan



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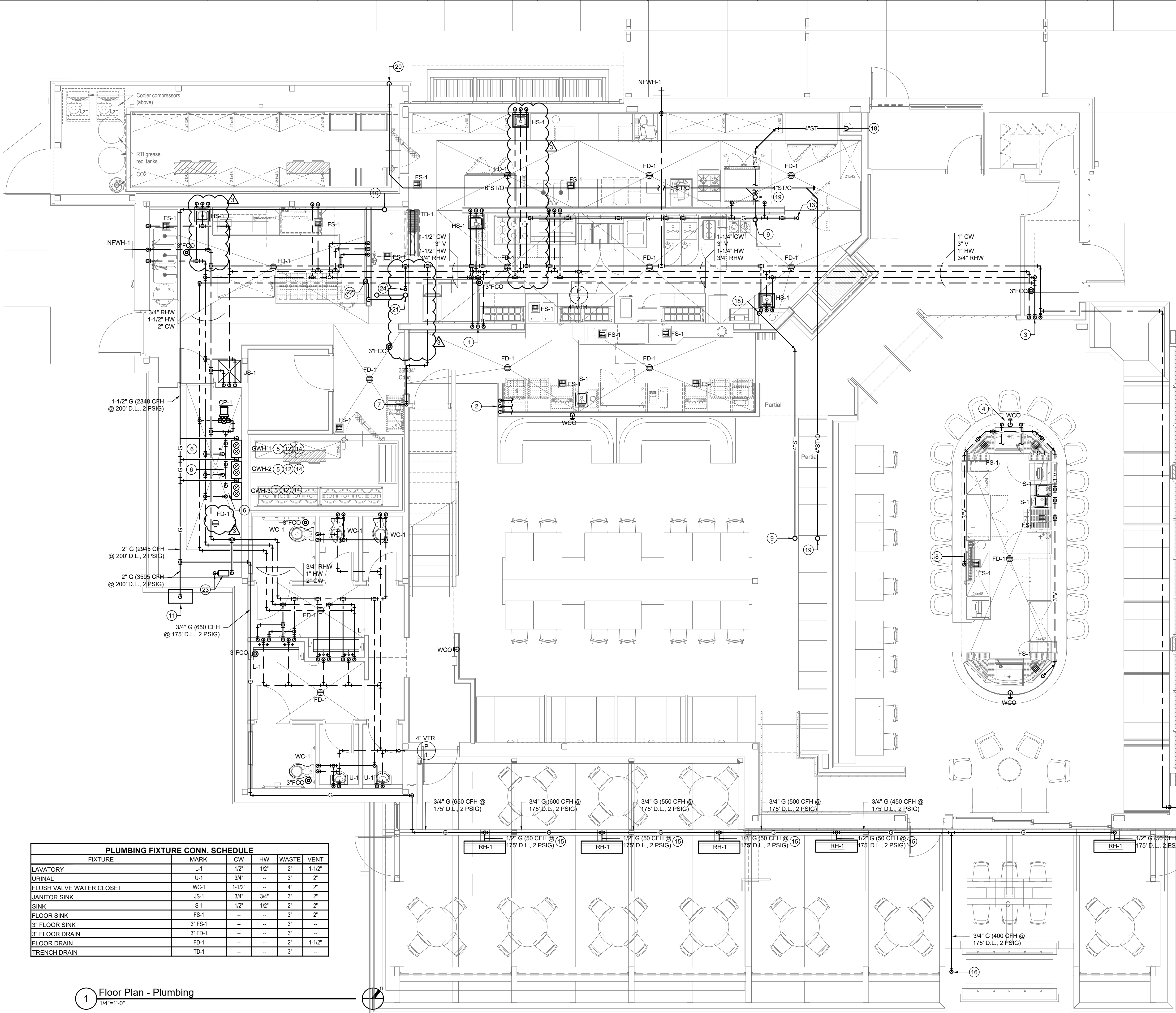
Plumbing Floor Plan

GENERAL NOTES:

- PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW GENERAL NOTES, SPECIFICATIONS AND OTHER DISCIPLINE'S DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, OWNER AND ENGINEER OF ANY DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- EXISTING CONDITIONS WERE TAKEN FROM AS BUILT DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. COORDINATE DEMOLITION WORK AND NEW WORK WITH EXISTING CONDITIONS AND OTHER TRADES PRIOR TO CONSTRUCTION.
- REFER TO ARCHITECTURAL DRAWINGS FOR RELATED CONSTRUCTION DETAILS AS APPLICABLE TO THE PLUMBING SYSTEMS. VERIFY CHASE AND PENETRATION LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS THAT ARE INTENDED FOR PIPING MEET REQUIREMENTS.
- INSTALL PIPING PARALLEL TO BUILDING LINES, UNLESS NOTED OTHERWISE.
- COORDINATE LOCATION OF EQUIPMENT AND SUPPORTS WITH LOCATION OF ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT. IF NO ACCESS PANEL IS SHOWN, PROVIDE ACCESS PANEL IN SIZE REQUIRED FOR MAINTENANCE OF EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- SEAL PENETRATIONS THROUGH BUILDING COMPONENTS IN ACCORDANCE WITH LOCAL CODES. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS.
- MODIFY EXISTING SPRINKLER SYSTEM TO ACCOMMODATE NEW WORK. DESIGN AND INSTALL PER NFPA13, LATEST EDITION.
- COORDINATE EXACT ROUGH-IN REQUIREMENTS AND LOCATIONS FOR KITCHEN EQUIPMENT WITH KITCHEN EQUIPMENT PLANS PREPARED BY OTHERS.
- PROVIDE RPZ TYPE BACKFLOW PREVENTER, THAT COMPLIES WITH ASSE 1022, AT ALL BEVERAGE DISPENSERS AND ICE MAKERS.
- RPZ BACKFLOW PREVENTER ASSEMBLY IS REQUIRED AND MUST BE INSTALLED AT EACH CARBONATOR. THERE CAN BE NO COPPER OR ANY OTHER CONNECTIONS (OTHER THAN THE CARBONATOR) DOWNSTREAM OF THE RPZ.

PLAN NOTES:

- 3/4" CW, 1/2" HW AND 3" VENT DOWN TO BELOW SLAB. ROUTE UNDERSLAB TO WAIT ISLAND.
- ROUTE 3/4" CW, 1/2" HW AND 3" VENT IN CABINET SPACE. COORDINATE ROUTING WITH ALL EQUIPMENT PRIOR TO INSTALLATION.
- 1" CW, 1" HW AND 3" VENT DOWN TO BELOW SLAB TO BAR. ROUTE UNDERBAR TO ALL EQUIPMENT. COORDINATE ROUTING WITH ALL EQUIPMENT PRIOR TO INSTALLATION.
- 1/2" CW DOWN TO ICE MAKER BELOW. PROVIDE 1/2" RPZ TYPE BACKFLOW PREVENTOR. ROUTE BACKFLOW DISCHARGE CONCEALED, TO FLOOR SINK.
- 6" Ø COMBUSTION AIR AND 6" Ø GAS FLUE DOWN TO WATER HEATER BELOW. MATERIAL SHALL BE AS DIRECTED BY WATER HEATER MANUFACTURER.
- 1-1/2" CW & 1-1/2" HW DOWN TO WATER HEATERS BELOW.
- 1/2" CW DOWN TO SYRUP/CO2 FOR SODA VENDOR. PROVIDE RPZ TYPE BACKFLOW PREVENTOR IN APPROVED LOCATION. ROUTE DISCHARGE TO NEAREST FLOOR DRAIN.
- 1/2" CW FOR BEER TAP. PROVIDE RPZ TYPE BACKFLOW PREVENTOR IN APPROVED LOCATION. ROUTE DISCHARGE TO NEAREST FLOOR DRAIN.
- 4" STROM FROM ROOF ABOVE.
- 2" GAS (2348 CFH @ 200' D.L., 2 PSIG) UP TO ROOF ABOVE.
- 2" GAS (3595 CFH @ 200' D.L., 2 PSIG) DOWN TO NEW GAS METER SET BELOW.
- 6" Ø COMBUSTION AIR AND 6" Ø GAS FLUE UP THROUGH ROOF ABOVE. MATERIAL SHALL BE AS DIRECTED BY WATER HEATER MANUFACTURER.
- 2" GAS UP (1007 CFH @ 50' D.L., 1/4 PSIG), INSTALL VENTLESS PRESSURE REDUCING VALVE, ABOVE ROOF, TO REDUCE GAS PRESSURE FROM 2 PSIG TO 1/4 PSIG, AT FULL FLOW (SHOWN ABOVE).
- PROVIDE VENTLESS GAS PRESSURE REDUCING VALVE TO REDUCE GAS PRESSURE FROM 2 PSIG TO 1/4 PSIG. THEN DOWN STREAM OF PRV, 1-1/4" GAS DOWN TO WATER HEATERS BELOW (199 CFH @ 20' D.L., 1/4 PSIG)
- PROVIDE VENTLESS GAS PRESSURE REDUCING VALVE TO REDUCE GAS PRESSURE FROM 2 PSIG TO 1/4 PSIG. THEN DOWN STREAM OF PRV, 1/2" GAS DOWN TO RADIANT HEATER (50 CFH @ 20' D.L., 1/4 PSIG)
- PROVIDE VENTLESS GAS PRESSURE REDUCING VALVE TO REDUCE GAS PRESSURE FROM 2 PSIG TO 1/4 PSIG. THEN DOWN STREAM OF PRV, 1" GAS DOWN TO FIREPLACE (400 CFH @ 20' D.L., 1/4 PSIG)
- 4" STORM DOWN FROM ROOF.
- 4" STORM DOWN TO BELOW SLAB.
- 4" OVERFLOW STORM DOWN FROM ROOF.
- 6" OVERFLOW STORM DOWN. ROUTE THRU WALL AND TERMINATE WITH BRASS DOWNSPOUT NOZZLE. TERMINATE IN LOCATION APPROVED BY ARCHITECT.
- 3" SAN FROM MEZZANINE.
- 4" SAN DOWN TO BELOW SLAB.
- 2" CW UP FROM BELOW SLAB. PROVIDE NEW RPZ TYPE BACKFLOW PREVENTER.
- 3/4" CW UP TO MEZZANINE BELOW.

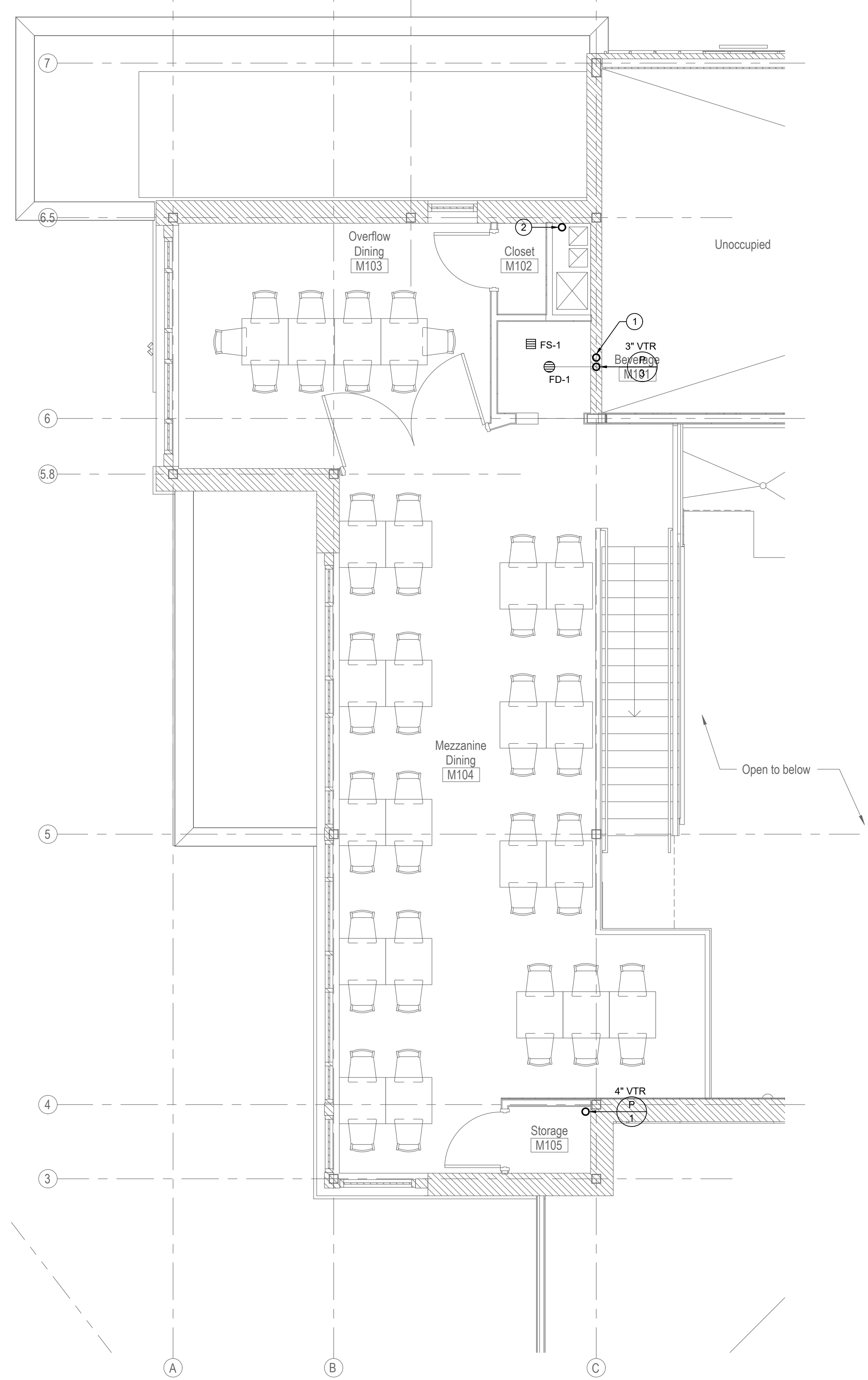


PLUMBING FIXTURE CONN. SCHEDULE						
FIXTURE	MARK	CW	HW	WASTE	VENT	
LAVATORY	L-1	1/2"	1/2"	2"	1-1/2"	
URINAL	U-1	3/4"	--	3"	2"	
FLUSH VALVE WATER CLOSET	WC-1	1-1/2"	--	4"	2"	
JANITOR SINK	JS-1	3/4"	3/4"	3"	2"	
SINK	S-1	1/2"	1/2"	2"	2"	
FLOOR SINK	FS-1	--	--	3"	2"	
3" FLOOR SINK	3" FS-1	--	--	3"	--	
3" FLOOR DRAIN	3" FD-1	--	--	3"	--	
FLOOR DRAIN	FD-1	--	--	2"	1-1/2"	
TRENCH DRAIN	TD-1	--	--	3"	--	

1 Floor Plan - Plumbing
 1/4"=1'-0"

PLUMBING FIXTURE CONN. SCHEDULE					
FIXTURE	MARK	CW	HW	WASTE	VENT
LAVATORY	L-1	1/2"	1/2"	2"	1-1/2"
URINAL	U-1	3/4"	-	3"	2"
FLUSH VALVE WATER CLOSET	WC-1	1-1/2"	-	4"	2"
JANITOR SINK	JS-1	3/4"	3/4"	3"	2"
SINK	S-1	1/2"	1/2"	2"	2"
FLOOR SINK	FS-1	-	-	3"	2"
3" FLOOR SINK	3" FS-1	-	-	3"	-
3" FLOOR DRAIN	3" FD-1	-	-	3"	-
FLOOR DRAIN	FD-1	-	-	2"	1-1/2"
TRENCH DRAIN	TD-1	-	-	3"	-

- GENERAL NOTES:**
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- PLAN NOTES:**
- 3/4" CW FROM FLOOR BELOW.
 - 1-1/2" G FROM FLOOR BELOW AND UP TO ROOF.



1 Mezzanine Plan - Plumbing
1/4"=1'-0"

ARCHITECTURAL
URBAN PRAIRIE
 COLLABORATIVE, P.C.

Red Door Grill - Lee's Summit
 Construction Documents
 Lot 1 Streets Of Pryor
 Lee's Summit, MO



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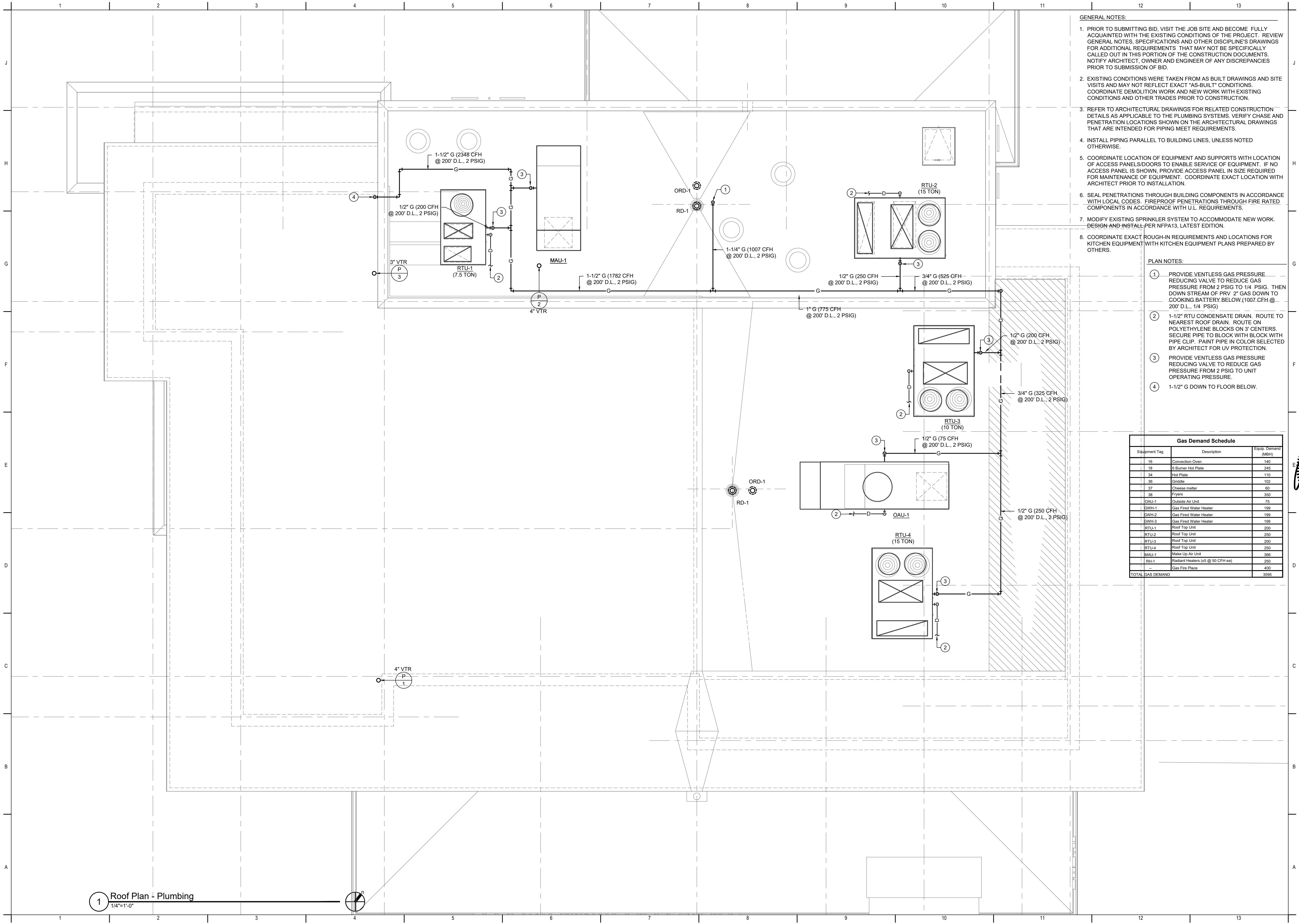
Missouri Certificate of Authority: #

PROJECT NUMBER:	20.033
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1 Bid/Permit Set	04.16.2021

Plumbing Mezzanine Plan

P103

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5. COORDINATE LOCATION OF EQUIPMENT AND SUPPORTS WITH LOCATION OF ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT. IF NO ACCESS PANEL IS SHOWN, PROVIDE ACCESS PANEL IN SIZE REQUIRED FOR MAINTENANCE OF EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
6. SEAL PENETRATIONS THROUGH BUILDING COMPONENTS IN ACCORDANCE WITH LOCAL CODES. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS.
7. MODIFY EXISTING SPRINKLER SYSTEM TO ACCOMMODATE NEW WORK. DESIGN AND INSTALL PER NFPA13, LATEST EDITION.
8. COORDINATE EXACT ROUGH-IN REQUIREMENTS AND LOCATIONS FOR KITCHEN EQUIPMENT WITH KITCHEN EQUIPMENT PLANS PREPARED BY OTHERS.

PLAN NOTES:

1. PROVIDE VENTLESS GAS PRESSURE REDUCING VALVE TO REDUCE GAS PRESSURE FROM 2 PSIG TO 1/4 PSIG. THEN DOWN STREAM OF PRV 2" GAS DOWN TO COOKING BATTERY BELOW (1007 CFH @ 200' D.L., 1/4 PSIG)
2. 1-1/2" RTU CONDENSATE DRAIN. ROUTE TO NEAREST ROOF DRAIN. ROUTE ON POLYETHYLENE BLOCKS ON 3" CENTERS. SECURE PIPE TO BLOCK WITH BLOCK WITH PIPE CLIP. PAINT PIPE IN COLOR SELECTED BY ARCHITECT FOR UV PROTECTION.
3. PROVIDE VENTLESS GAS PRESSURE REDUCING VALVE TO REDUCE GAS PRESSURE FROM 2 PSIG TO UNIT OPERATING PRESSURE.
4. 1-1/2" G DOWN TO FLOOR BELOW.

Gas Demand Schedule		
Equipment Tag	Description	Equip. Demand (MBH)
16	Convection Oven	140
18	6 Burner Hot Plate	245
34	Hot Plate	110
36	Griddle	102
37	Cheese melter	60
38	Fryers	350
OAU-1	Outside Air Unit	75
GWH-1	Gas Fired Water Heater	199
GWH-2	Gas Fired Water Heater	199
GWH-3	Gas Fired Water Heater	199
RTU-1	Roof Top Unit	200
RTU-2	Roof Top Unit	250
RTU-3	Roof Top Unit	200
RTU-4	Roof Top Unit	250
MAU-1	Mech Up Air Unit	366
RD-1	Radiant Heaters (x5 @ 50 CFH ea)	250
	Gas Fire Plate	400
TOTAL GAS DEMAND		3995



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1 Roof Plan - Plumbing
 1/4"=1'-0"

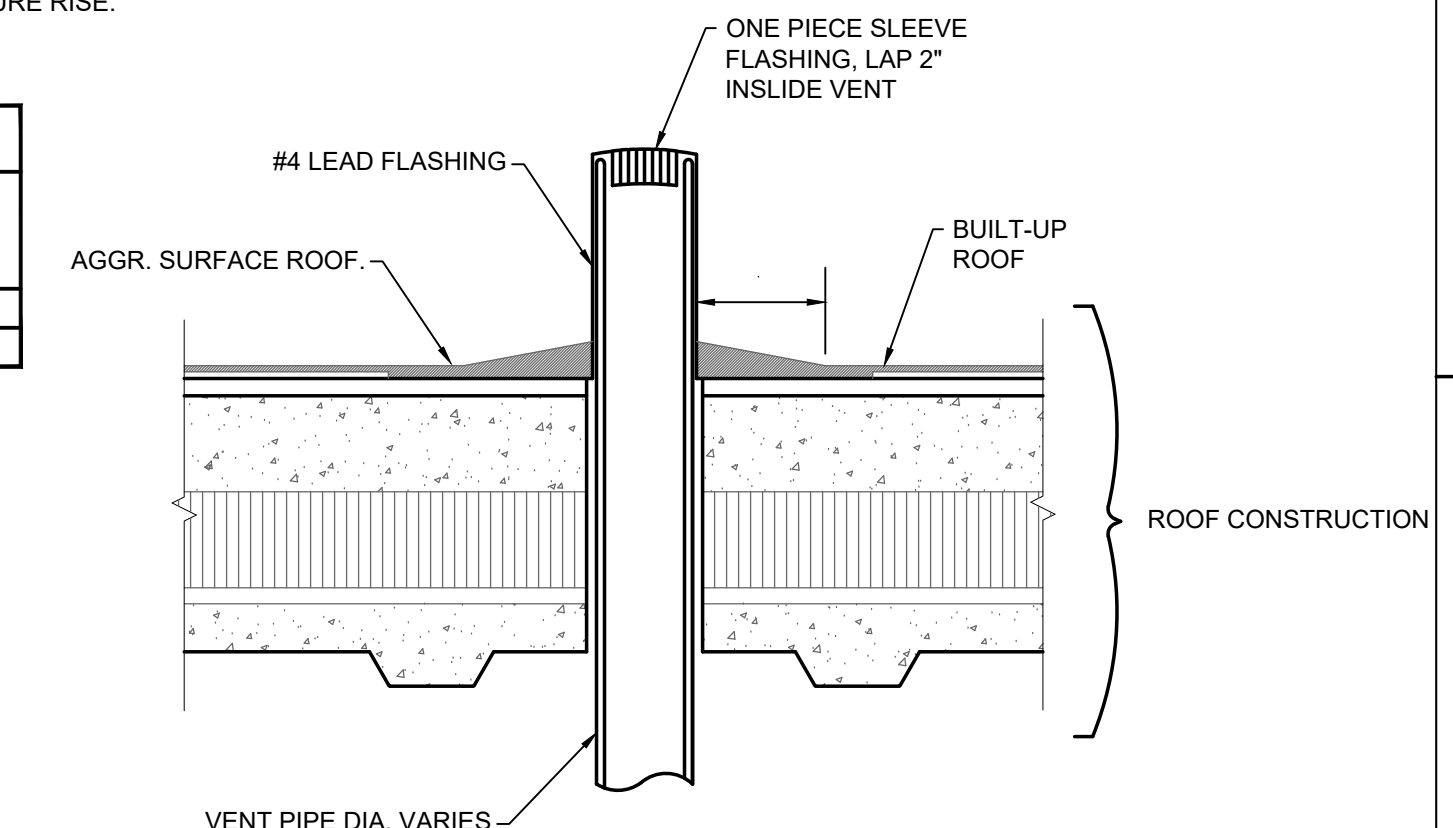
PLUMBING FIXTURE SCHEDULE						
PLAN MARK	MANUFACTURER AND MODEL	FIXTURE DESCRIPTION	ACCESSORIES MANUFACTURER AND MODEL	ACCESSORIES DESCRIPTION	SIZE	NOTES
FD-1	JAY R SMITH 2010	CAST IRON SHALLOW SUMP FLOOR DRAIN WITH 5" ROUND TOP WITH NICKEL BRONZE STRAINER.	-	-	-	-
FS-1	WATTS FS-740-9-1	DEEP SANITARY FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET PORCELAIN ENAMEL COATED CAST IRON GRATE, ALUMINUM DOME BOTTOM STRAINER AND NO HUB OUTLET.	-	-	-	TOP OF FLOOR SINK TO BE 1/2" ABOVE FINISHED FLOOR.
HS-1	ELKAY CHS1716C	WALL-MOUNTED, STAINLESS STEEL, ADA COMPLIANT HANDSINK, TYPE 304 (18-8) STAINLESS STEEL, 1" HIGH BACKSPASH.	ELKAY LK9406N 0422H	CHROME-PLATED GOOSENECK SPOUT FAUCET.	-	PROVIDE CHROME PLATED BRASS TAILPIECE AND GRID DRAIN, CHROME PLATED BRASS P-TRAP, AND LOOSE KEYS ANGLED STOP VALVES AND FLEXIBLE RISERS. INSULATE EXPOSED TAILPIECE, P-TRAP, AND WATER RISERS WITH ADA COMPLIANT INSULATION. PROVIDE MIXING VALVE, THAT COMPLIES WITH ASSE 1070, SET AT 95°F.
JS-1	ZURN Z1996	FLOOR MOUNTED, MOLDED HIGH DENSITY COMPOSITE BASIN, PVC DRAIN BODY.	ZURN Z843M1-RC	WALL MOUNTED SERVICE FAUCET WITH PAIL HOOK AND VACUUM BREAKER. SUPPLY SINK WITH 30" HOSE, MOP HANGER AND LINT BASKET STRAINER.	24" X 24"	-
L-1		CUSTOM QUARTZ TROUGH SINK, RE: ARCHITECTURE PLANS	(2) FAUCET TO BE PROVIDED BY OWNER		-	PROVIDE CHROME PLATED BRASS TAILPIECE, CHROME PLATED BRASS P-TRAP, ANGLED STOP VALVES AND FLEXIBLE RISERS. INSULATE EXPOSED TAILPIECE, P-TRAP, AND WATER RISERS WITH ADA COMPLIANT INSULATION. PROVIDE MIXING VALVE, THAT COMPLIES WITH ASSE 1070, SET AT 95°F.
NFWH-1	WOODFORD B65	NON FREEZE WALL HYDRANT WITH LOCKABLE WALL BOX AND LOOSE KEY.	-	-	-	-
ORD-1	ZURN Z-100	15" DIAMETER ROOF DRAIN, DURA-COATED CAST IRON ROOF DRAIN WITH COMBINATION MEMBRANE FLASHING CLAMB/GRAVEL GUARD AND LOW SILHOUETTE POLY-DOME. FURNISH WITH 2" INTERNAL WATER DAM.	-	-	15"	-
RD-1	ZURN Z-100	15" DIAMETER ROOF DRAIN, DURA-COATED CAST IRON ROOF DRAIN WITH COMBINATION MEMBRANE FLASHING CLAMB/GRAVEL GUARD AND LOW SILHOUETTE POLY-DOME. FURNISH WITH 2" INTERNAL WATER DAM.	-	-	15"	-
S-1	BY KITCHEN EQUIPMENT PROVIDER					
TD-1	BY KITCHEN EQUIPMENT PROVIDER					
U-1	AMERICAN STANDARD DECORUM 6042.001EC	WALL HUNG, VITREOUS CHINA URINAL WITH WASH OUT FLUSHING ACTION AND TOP SPUD. MOUNT AT ADA HEIGHT. SELECTRONIC SENSOR OPERATED. BATTERY POWERED, CHROME PLATED, EXPOSED WATER CLOSET FLUSH VALVE WITH 3/4" TOP SPUD. RATED FOR 125 GPF.	1.) JAY R SMITH	1.) PROVIDE CARRIER AS REQUIRED TO SUIT APPLICATION.	-	-
WC-1	AMERICAN STANDARD MADERA 3043.001	FLOOR-MOUNTED, VITREOUS CHINA WATER CLOSET WITH CONVENTIONAL GLAZE. MEETS STANDARDS FOR HIGH EFFICIENCY TOILET. DIRECT FED SIPHON JET ACTION. ELONGATED BOWL. ADA COMPLIANT. SELECTRONIC SENSOR OPERATED. BATTERY POWERED, CHROME PLATED, EXPOSED WATER CLOSET FLUSH VALVE WITH 1 1/2" TOP SPUD. RATED FOR 1.6 GPF.	1.) PLUMBTECH 421C 2.) JAY R SMITH	1.) SEAT: SOLID PLASTIC, OPEN FRONT, WHITE, ELONGATED BOWL, INTEGRAL BUMPERS, EXTERNAL CHECK HINGES WITH STAINLESS STEEL POSTS. 2.) PROVIDE CARRIER AS REQUIRED TO SUIT APPLICATION.	-	-

INSTANTANEOUS GAS WATER HEATER SCHEDULE								
UNIT CALLOUT	UNIT INFORMATION							NOTES
	MFG	MODEL NO.	FLOW (GPM)	EWT (°F)	LWT (°F)	TOTAL INPUT (MBH)	VOLT/PH	
GWH-1	NAVIER	NPE-240A	5	40	115	199	120/1	1
GWH-2	NAVIER	NPE-240A	5	40	115	199	120/1	1
GWH-3	NAVIER	NPE-240A	5	40	115	199	120/1	1

NOTES:
1. SUPPLY WITH FACTORY CONTROL PANEL. MANIFOLD ALL UNITS TOGETHER TO ACHIEVE 15 GPM OF WATER FLOW AT 75 DEGREE F TEMPERATURE RISE.

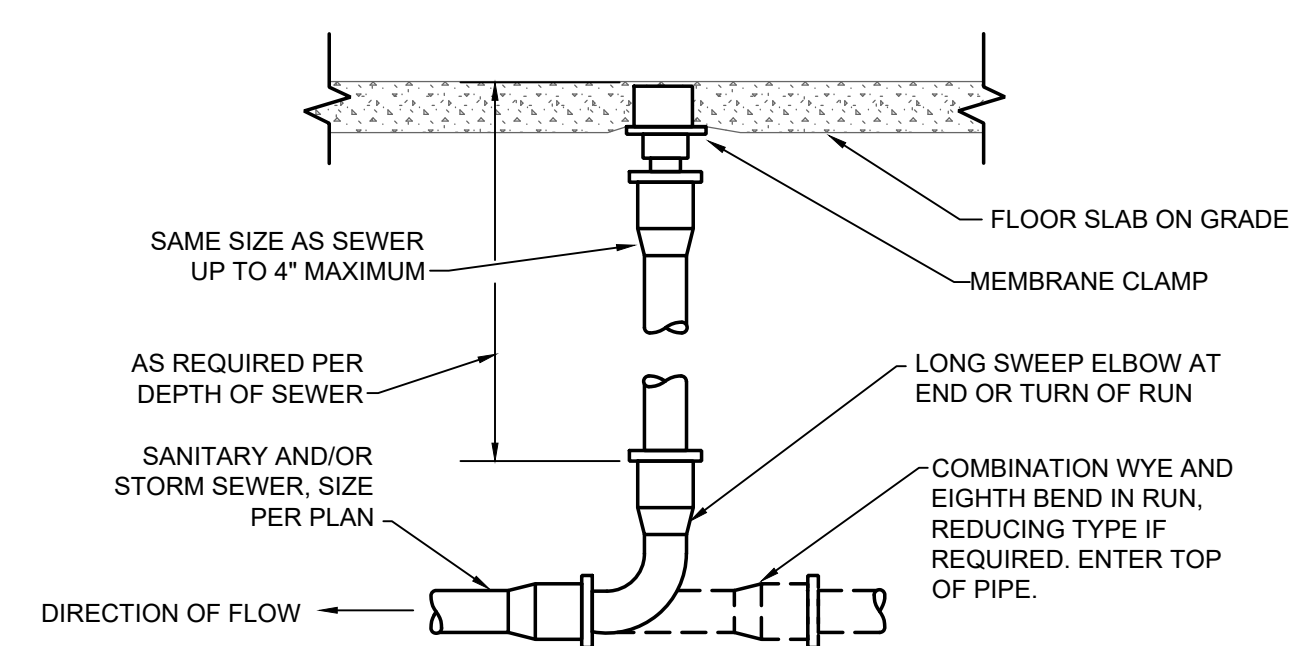
RADIANT HEATER SCHEDULE				
UNIT CALLOUT	UNIT INFORMATION			NOTES
	MFG	MODEL NO.	CAP (BTUH)	
RH-1	INFRASAVE	IO-152	50.0	1

NOTES:
1. SUPPLY WITH PATIO PANEL, MOUNTING KIT AND FLEXIBLE GAS CONNECTOR.

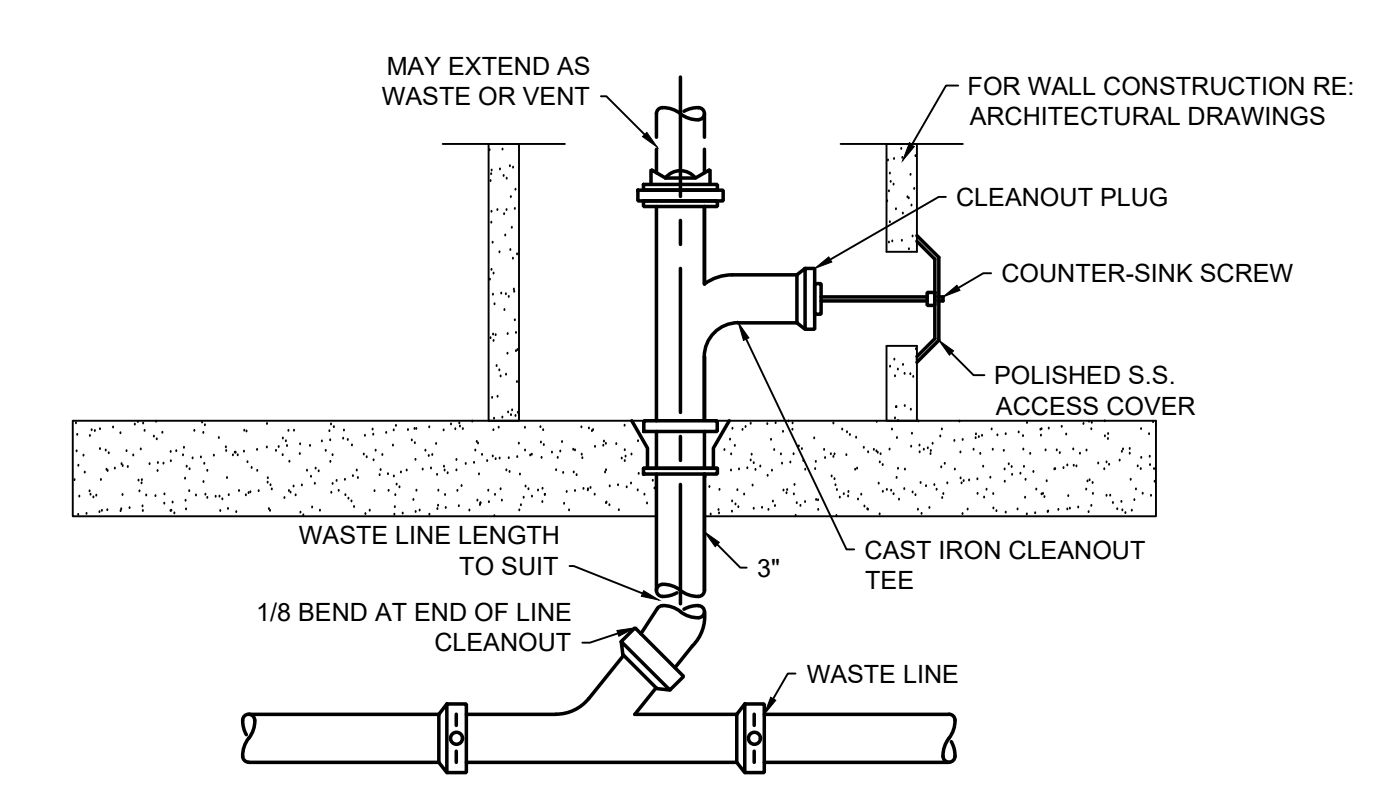


NOTES:
1. MAX. SIZE OF ROOF OPENING 1" LARGER THAN OUTSIDE DIA. OF PIPE.
2. VENT PIPE SHALL NOT BE INSTALLED WITHIN 5'-0" OF ROOF VALLEYS OR 2'-0" FROM ANY VERTICAL SURFACE.
3. VENT PIPE SHALL TERMINATE NOT LESS THAN 10'-0" FROM ANY AIR INTAKE OR VENT SHAFT.

5 SECTION THRU PLUMBING VENT
NO SCALE



4 FLOOR CLEANOUT DETAIL
NO SCALE



3 WALL CLEANOUT DETAIL
NO SCALE

- GENERAL**
- ① MECHANICAL NOTE REFERENCE
 - ② DEMOLITION NOTE REFERENCE
 - ⚠ REVISION NOTE REFERENCE
 - ⊕ CONNECT TO EXISTING WORK
- PLUMBING**
- SAN — SOIL OR WASTE ABOVE GRADE OR FLOOR
 - - - SAN - - - SOIL OR WASTE BELOW GRADE OR FLOOR
 - - - V - - - PLUMBING VENT
 - - - ST - - - STORM ABOVE GRADE OR FLOOR
 - - - ST - - - STORM BELOW GRADE OR FLOOR
 - - - ST/O - - - STORM OVERFLOW ABOVE GRADE OR FLOOR
 - - - ST/O - - - STORM OVERFLOW BELOW GRADE OR FLOOR
 - - - - - DOMESTIC COLD WATER
 - - - - - DOMESTIC HOT WATER
 - - - - - RECIRCULATING DOMESTIC HOT WATER
 - ⊙ FCO FLOOR CLEAN OUT
 - ⊙ WCO WALL CLEAN OUT
 - ⊙ CO CLEAN OUT
 - G — GAS (NATURAL)
 - HB — HOSE BIBB
 - WH — WALL HYDRANT
 - ⊙ FLOOR SINK, FLOOR DRAIN, AREA DRAIN
 - ⊙ RD ROOF DRAIN
 - ⊙ ORD OVERFLOW ROOF DRAIN
 - ⊙ RPB REDUCED PRESSURE BACKFLOW PREVENTER
 - ⊙ P # PLUMBING VENT RISER CALL-OUT
 - ⊙ ELBOW DOWN
 - ⊙ ELBOW UP
 - ⊙ TEE UP
 - ⊙ TEE DOWN
 - | — UNION
 - | — CAP
 - ⊙ BALL (SHUTOFF) VALVE

2 MECHANICAL SYMBOLS
NO SCALE



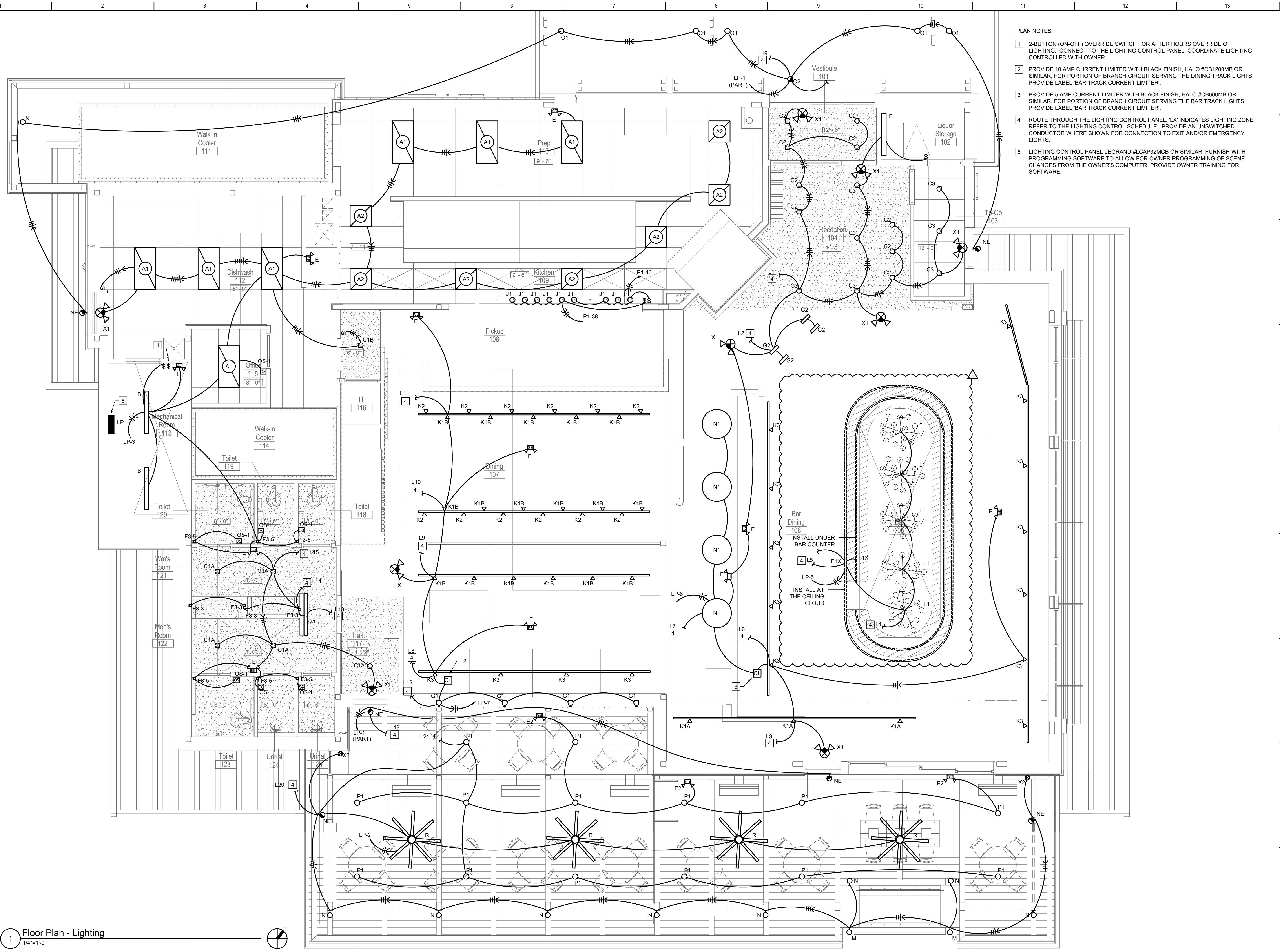
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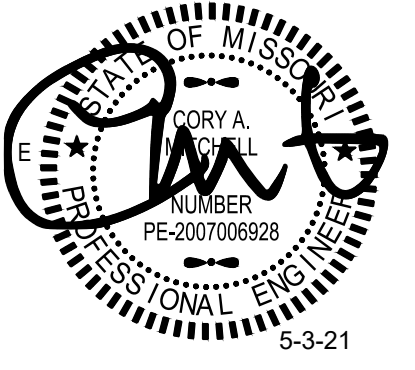
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1 Bid/Permit Set 04.16.2021



1 Floor Plan - Lighting
1/4"=1'-0"

- PLAN NOTES:
- 2-BUTTON (ON-OFF) OVERRIDE SWITCH FOR AFTER HOURS OVERRIDE OF LIGHTING. CONNECT TO THE LIGHTING CONTROL PANEL. COORDINATE LIGHTING CONTROLLED WITH OWNER.
 - PROVIDE 10 AMP CURRENT LIMITER WITH BLACK FINISH, HALO #CB1200MB OR SIMILAR, FOR PORTION OF BRANCH CIRCUIT SERVING THE DINING TRACK LIGHTS. PROVIDE LABEL 'BAR TRACK CURRENT LIMITER'.
 - PROVIDE 5 AMP CURRENT LIMITER WITH BLACK FINISH, HALO #CB600MB OR SIMILAR, FOR PORTION OF BRANCH CIRCUIT SERVING THE BAR TRACK LIGHTS. PROVIDE LABEL 'BAR TRACK CURRENT LIMITER'.
 - ROUTE THROUGH THE LIGHTING CONTROL PANEL. 'LX' INDICATES LIGHTING ZONE. REFER TO THE LIGHTING CONTROL SCHEDULE. PROVIDE AN UNSWITCHED CONDUCTOR WHERE SHOWN FOR CONNECTION TO EXIT AND/OR EMERGENCY LIGHTS.
 - LIGHTING CONTROL PANEL LEGRAND #LCAP32MCB OR SIMILAR. FURNISH WITH PROGRAMMING SOFTWARE TO ALLOW FOR OWNER PROGRAMMING OF SCENE CHANGES FROM THE OWNER'S COMPUTER. PROVIDE OWNER TRAINING FOR SOFTWARE.



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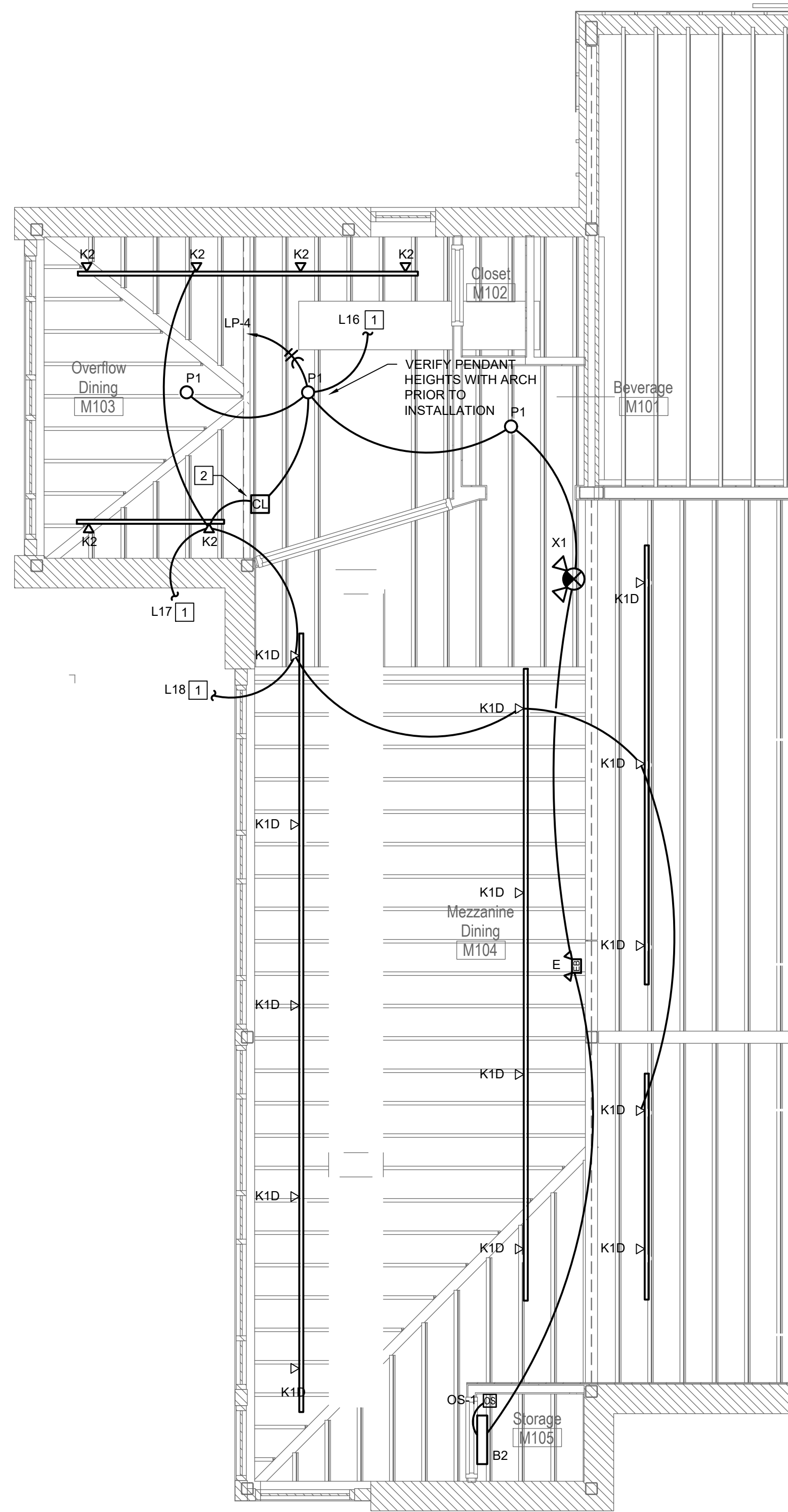
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1 Add #1	04.16.2021
	05.03.2021

- PLAN NOTES:
- ROUTE THROUGH THE LIGHTING CONTROL PANEL. 'LX' INDICATES LIGHTING ZONE. REFER TO THE LIGHTING CONTROL SCHEDULE. PROVIDE AN UNSWITCHED CONDUCTOR WHERE SHOWN FOR CONNECTION TO EXIT AND/OR EMERGENCY LIGHTS.
 - PROVIDE 5 AMP CURRENT LIMITER WITH BLACK FINISH, HALO #CB600MB OR SIMILAR, FOR PORTION OF BRANCH CIRCUIT SERVING THE MEZZANINE TRACK LIGHTS. PROVIDE LABEL 'MEZZANINE TRACK CURRENT LIMITER'.



LIGHTING CONTROL SCHEDULE			
ZONE NO.	LOAD DESCRIPTION	CONTROLS	
		PHOTOCELL	DIMMING TYPE
1	RECEPTION/VESTIBULE	NO	0-10V
2	BAR STEP LIGHTS	NO	N/A
3	BAR TRACK	NO	120V PHASE
4	BAR LIGHT	NO	NOTE 1
5	BAR ACCENT LIGHT	NO	0-10V
6	BAR TRACK	NO	NOTE 1
7	DINING PENDANTS	NO	NOTE 1
8	DINING TRACK	NO	NOTE 1
9	DINING TRACK	NO	120V PHASE
10	DINING TRACK	NO	120V PHASE
11	DINING TRACK	NO	120V PHASE
12	DINING SCNCES	NO	ELV
13	RESTROOM ENTRY	NO	0-10V
14	RESTROOM SINK LTS	NO	0-10V
15	RESTROOM ENTRY	NO	ELV
16	MEZZ PENDANTS	NO	ELV
17	MEZZ TRACK	NO	120V PHASE
18	MEZZ TRACK	NO	120V PHASE
19	EXTERIOR LIGHTS	YES	N/A
20	PATIO LTG	YES	0-10V
21	PATIO LTG	YES	ELV
22	SPARE		
23	SPARE		
24	SPARE		

GENERAL NOTE: LIGHTING CONTROL PANEL TO BE LEGRAND #LCP32M2C OR SIMILAR. FURNISH WITH PROGRAMMING SOFTWARE TO ALLOW FOR OWNER PROGRAMMING OF SCENES FROM THE OWNER'S COMPUTER. PROVIDE OWNER TRAINING FOR SOFTWARE. REFER TO THE PANEL LP SCHEDULE FOR CONTROL PANEL BRANCH CIRCUIT BREAKER REQUIREMENTS.

NOTES:
1. COORDINATE DIMMING TYPE AND CAPACITY WITH FINAL FIXTURE SELECTION

OCCUPANCY SENSOR SCHEDULE							
TAG	QTY (CONFIRM WITH PLANS)	MANUFACTURER	MODEL	MOUNTING	TYPE	TIME DELAY SETTING	NOTES
OS-1	8	LEVITON	MDS10-ID	WALL	PASSIVE INFRARED	15 MIN	

LIGHT FIXTURE SCHEDULE									
TAG	QUANTITY (CONFIRM WITH PLANS)	DESCRIPTION	VOLTAGE	MOUNTING	LAMPING			MANU/SERIES	VA
					QTY	WATTAGE	TYPE/COLOR TEMP		
A1	7	2'-0"X4'-0" LED TROFFER WITH INTEGRAL DIMMING DRIVER.	120	RECESSED GRID	--	39	LED	COLUMBIA LCAT24-35L-WG-EDU (COOPER CRUZ, LITHONIA BLT OR CREE ZR EQUAL)	39
A2	7	2'-0"X2'-0" LED TROFFER WITH INTEGRAL DIMMING DRIVER.	120	RECESSED	--	23	LED	COLUMBIA LCAT24-35L-WG-EDU (COOPER CRUZ, LITHONIA BLT OR CREE ZR EQUAL)	23
B	3	4'-0" LED STRIP FIXTURE. 22 GAUGE STEEL BASE, WHITE POWDER COAT FINISH, SEMI FROST LENS.	120	SURFACE	--	32	LED/3500K/3000 LUMEN	COOPER#SNLED LITHONIA#ZL1F	32
B2	1	2'-0" LED STRIP FIXTURE. 22 GAUGE STEEL BASE, WHITE POWDER COAT FINISH, SEMI FROST LENS.	120	SURFACE	--	24	LED/3500K/2250 LUMEN	COOPER#SNLED LITHONIA#ZL1F	24
C1A	5	2" DIAMETER RECESSED LED DOWNLIGHT WITH BLACK BAFFLE, WHITE TRIM AND ELV DIMMING DRIVER.	120	RECESSED	--	8	LED	JUNO#2LEDTRIM SERIES	8
C1B	1	2" DIAMETER RECESSED LED DOWNLIGHT WITH WHITE BAFFLE, WHITE TRIM AND ELV DIMMING DRIVER.	120	RECESSED	--	12	LED	JUNO#2LEDTRIM SERIES	12
C2	9	4.5" DIAMETER RECESSED LED WALLWASHER WITH BLACK TRIM AND 0-10V DIMMING DRIVER.	120	RECESSED	--	17	LED	REGGIAN#A-RG-14-H-HW-31/V-O-ME53-121C	17
C3	7	4.5" DIAMETER RECESSED LED DOWNLIGHT WITH BLACK TRIM AND 0-10V DIMMING DRIVER.	120	RECESSED	--	12	LED	REGGIAN#A-BG-13-E-HW-31/V-O-ME50-121C	12
E	12	SURFACE MOUNTED SELF-CONTAINED EMERGENCY LIGHTING FIXTURE FOR WALL INSTALLATION. LEAD CALCIUM BATTERY, UV-STABLE PLASTIC HOUSING WITH WHITE FINISH. TWO FULLY ADJUSTABLE MR16 LAMPS WITH CLEAR PROTECTIVE LAMP LENS. PUSH TO TEST SWITCH, LED INDICATOR LIGHTS FOR AC SUPPLY, BATTERY CHARGE STATUS. 90 MINUTES OF BATTERY OPERATION.	120	SURFACE WALL/CLG	2	3	LED	DUAL-LITE#Z EXITRONICS#L50 LITHONIA#ELM2	5
E2	3	SURFACE MOUNTED SELF-CONTAINED EMERGENCY LIGHTING FIXTURE FOR WALL INSTALLATION. LOW TEMPERATURE NI-CAD BATTERY OR LEAD CALCIUM BATTERY WITH HEATER, UV-STABLE PLASTIC HOUSING WITH WHITE FINISH. LISTED FOR WET LOCATION. TWO FULLY ADJUSTABLE MR16 LAMPS WITH CLEAR PROTECTIVE LAMP LENS. PUSH TO TEST SWITCH, LED INDICATOR LIGHTS FOR AC SUPPLY, BATTERY CHARGE STATUS. 90 MINUTES OF BATTERY OPERATION.	120	WALL	--	11	LED	LITHONIA#AFN-EXT	5
F1X	2	FLEXIBLE LED TAPELIGHT WITH INTEGRAL BODY AND DIFFUSER AND REMOTE 0-10V DIMMING DRIVER. COORDINATE MOUNTING HEIGHT WITH OWNER. SHOP DRAWINGS AND ARCHITECTURAL DETAILS.	120	SURFACE	--	4/FT	LED	LUMINI#KBM-F-H-27K	200
F3-3	4	1.5" X 30" ALUMINUM EXTRUSION FOR RECESSED INSTALLATION WITH DRYWALL FLANGE, LED TAPELIGHT, FROSTED COVER AND REMOTE 0-10V DIMMING DRIVER.	120	RECESSED	--	25	LED	LUMINI#K-30IN-27K-MO-FF	25
F3-5	6	1.5" X 5'-0" ALUMINUM EXTRUSION FOR RECESSED INSTALLATION WITH DRYWALL FLANGE, LED TAPELIGHT, FROSTED COVER AND REMOTE 0-10V DIMMING DRIVER.	120	RECESSED	--	50	LED	LUMINI#K-60IN-27K-MO-FF	50
G1	4	LED WALL SCNCE WITH ELV DIMMING DRIVER AND AGED BRASS FINISH.	120	SURFACE	--	30	LED	WAC LIGHTING#WS-30907-AB	30
G2	4	LED STEP LIGHT	120	RECESSED	--	3	LED	JUNO#LMS-30K-CTD-120-RPC-BL	3
J1	9	HEAT LAMP PROVIDED AS PART OF THE KITCHEN PACKAGE AND INSTALLED BY CONTRACTOR. COORDINATE MOUNTING HEIGHT WITH OWNER.	120	CEILING	1	375	INC	HATCO#DLR-R-N-600	375
K1A	3	LED TRACK LIGHT WITH 120V PHASE DIMMING DRIVER. FURNISH WITH HEX CELL COVER. FURNISH WITH TRACK IN LENGTHS SHOWN.	120	TRACK	--	19	LED	LF ILLUMINATION#TRA20B-H-19C-9227-N-D11-BB/ OPT-TRA20B-HXL	19
K1B	17	LED TRACK LIGHT WITH 120V PHASE DIMMING DRIVER. FURNISH WITH LINEAR SPREAD LENS. FURNISH WITH TRACK IN LENGTHS SHOWN.	120	TRACK	--	19	LED	LF ILLUMINATION#TRA20B-H-19C-9227-N-D11-BB/ OPT-TRA20B-P-L-SL	19
K1D	14	LED TRACK LIGHT WITH 120V PHASE DIMMING DRIVER, FLOODLIGHT DISTRIBUTION AND LINEAR SPREAD LENS. FURNISH WITH TRACK IN LENGTHS SHOWN.	120	TRACK	1	8	LED	LF ILLUMINATION#TRA20B-H-09C-9227-N-D11-BB/ OPT-TRA20B-P-L-SL	8
K2	18	WALL WASH LED TRACK LIGHT WITH 120V PHASE DIMMING DRIVER. FURNISH WITH TRACK IN LENGTHS SHOWN.	120	TRACK	--	13	LED	LF ILLUMINATION#TRA29V-H-13C-9227-W-D11-BB	13
K3	16	LED TRACK MOUNTED FRAMING PROJECTOR.	120	TRACK	--	9	LED	TIMES SQUARE#LED9P-B-T1	9
L1	5	LED PENDANT LIGHT. FURNISH WITH DIMMABLE LED LAMPS.	120	PENDANT	16	10	LED	RESTORATION HARDWARE #68520013MKPN	160
M	2	LED WALL MOUNTED 11" FIXTURE WITH BLACK FINISH, MEDIUM UPLIGHT/DOWNLIGHT DISTRIBUTION, WET LOCATION LISTED, 0-10V DIMMING DRIVER.	120-277	WALL	1	20	LED/1800LM/3000K	CONTECH#CY3T-3-30K-MVD2-UD-X-M-B	20
N	9	LED WALL MOUNTED 11" TALL FIXTURE WITH BLACK FINISH, MEDIUM DOWNLIGHT DISTRIBUTION, WET LOCATION LISTED, 0-10V DIMMING DRIVER.	120-277	WALL	1	20	LED/1800LM/3000K	CONTECH#CY3T-3-30K-MVD2-W-X-M-B	20
N1	4	32" DIAMETER X 16" TALL DECORATIVE SUSPENDED PENDANT. IRON EXTERIOR, COPPER LEAD INTERIOR. PROVIDE WITH LED SCREW-IN DIMMABLE ELV LAMP.	120	PENDANT	--	11	LED/2700K	IL FANXLE GALLE#251.06.F94 LAMP-GREEN CREATIVE 11A19DIM/927	11
NE	6	LED WALL MOUNTED 11" TALL FIXTURE WITH MEDIUM DISTRIBUTION, WET LOCATION LISTED, REMOTE 0-10V DIMMING DRIVER WITH BATTERY BACKUP. INSTALL DRIVER INSIDE BUILDING AS HIGH AS POSSIBLE.	120-277	WALL	1	20	LED/1800LM/3000K	CONTECH#CY3T-3-30K-MVD2-W-X-M-RDB	20
O1	5	LED CEILING MOUNTED 6" TALL FIXTURE WITH BLACK FINISH, MEDIUM DOWNLIGHT DISTRIBUTION, WET LOCATION LISTED, 120V ELV DIMMING DRIVER.	120-277	CEILING	1	20	LED/1800LM/3000K	CONTECH#CY3S-3-30K-12D1-C-X-M-B	20
O2	1	LED CEILING MOUNTED 11" TALL EMERGENCY FIXTURE WITH BLACK FINISH, MEDIUM DOWNLIGHT DISTRIBUTION, WET LOCATION LISTED, REMOTE 120V ELV DIMMING DRIVER WITH BATTERY BACKUP. INSTALL DRIVER INSIDE BUILDING AS HIGH AS POSSIBLE.	120-277	CEILING	1	20	LED/1800LM/3000K	CONTECH#CY3T-3-30K-MVD2-C-X-M-B-RDB	20
P1	17	LED PENDANT MOUNTED 6" TALL FIXTURE WITH BLACK FINISH, MEDIUM DISTRIBUTION, WET LOCATION LISTED, ELV DIMMING DRIVER, 24" RIGID STEM.	120-277	WALL	1	20	LED/1800LM/3000K	CONTECH#CY3S-3-30K-12D1-RS-X-M-B	20
Q1	1	4" WIDE LED WALL GRAZER, INTEGRAL 0-10V DIMMING DRIVER.	120	RECESSED	--	17	LED	FOCAL POINT#FSM2PR-FXH-FL2-375LF-30K-1C-UNV-LD1-XF-WH-3FT	17
R	4	65", 8-BLADE CEILING FAN. PENDANT MOUNTED, SUITABLE FOR OUTDOOR INSTALLATION. COAL FINISH WITH COAL BLADES, 18" DOWNROD. FURNISH WITH REMOTE CONTROL.	120	PENDANT	--	--	--	MINKA AIRE#896-65-CL	58
X1	10	LED EXIT SIGN, SINGLE OR DOUBLE FACE AS INDICATED ON DRAWINGS, THERMOPLASTIC HOUSING, RED LETTERING, SEALED NI-CAD BATTERY, INTEGRAL EMERGENCY LAMPS, MINIMUM 90 MINUTE CAPACITY. DRAWINGS INDICATE ARROWS.	120	UNIVERSAL	3	6	LED/MR-16	LITHONIA LHQM	5
X2	2	HIGH ABUSE LED EXIT SIGN. DI-CAST ALUMINUM HOUSING WITH IMPACT RESISTANT POLYCARBONATE COVER. WHITE HOUSING AND FACEPLATE, RED LETTERS, SEALED NI-CAD BATTERY, MINIMUM 90 MINUTE CAPACITY.	120	WALL	1		LED	CHLORIDE#T COOPER#UX70RSD LITHONIA#LV EXITRONIX#NAV DUAL-LITE#LN4X	5

1 Mezzanine Plan - Lighting
1/4"=1'-0"

ARCHITECTURAL

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Red Door Grill - Lee's Summit
Construction Documents
Lot 1 Streets Of Pryor
Lee's Summit, MO

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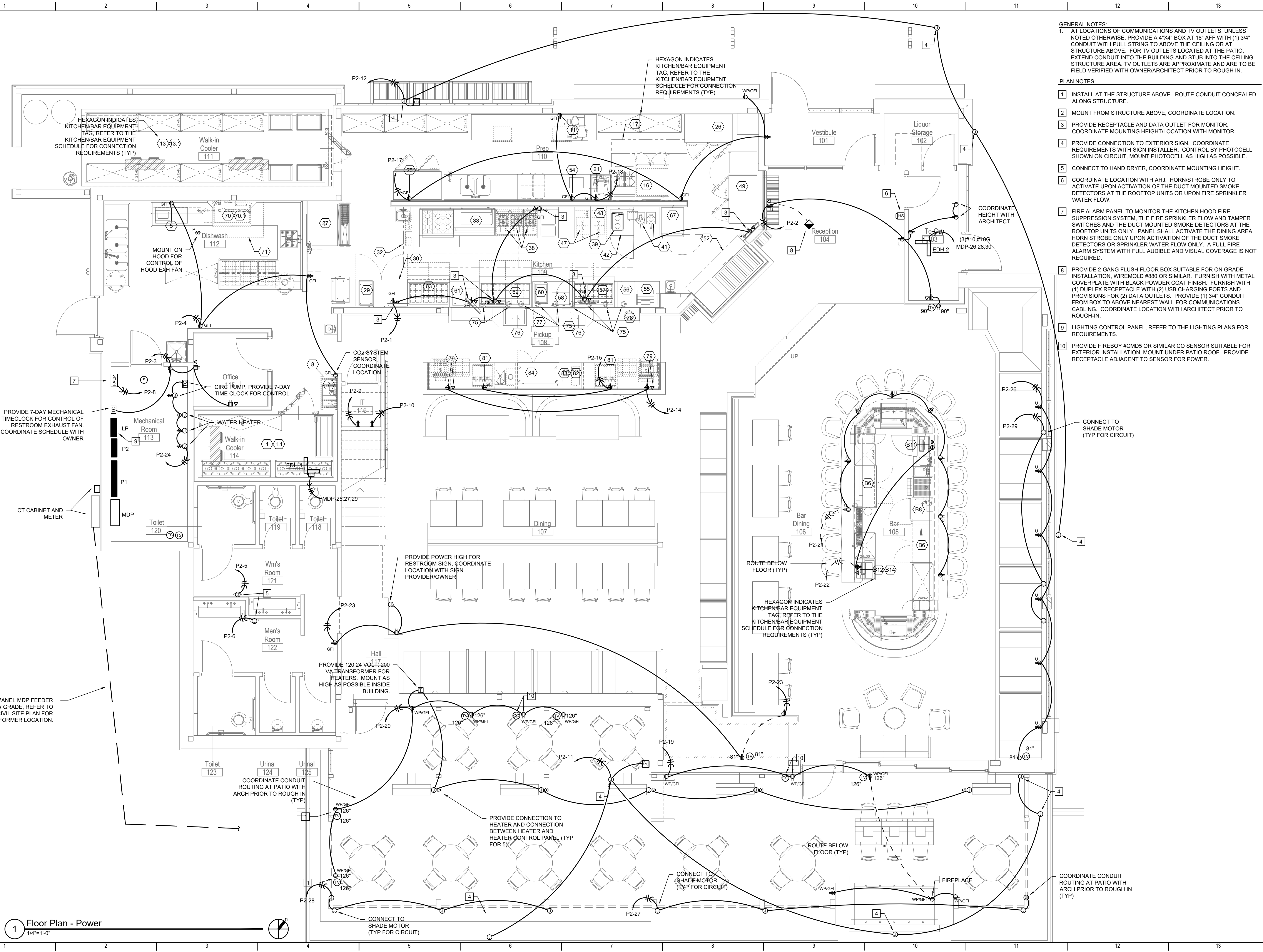
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1 ADD #1 05.03.2021

Mezzanine Lighting Plan

E102
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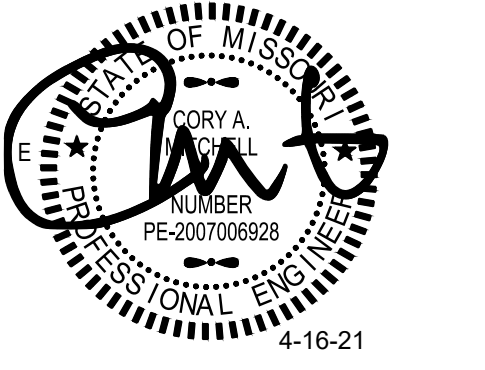


GENERAL NOTES:
 1. AT LOCATIONS OF COMMUNICATIONS AND TV OUTLETS, UNLESS NOTED OTHERWISE, PROVIDE A 4"x4" BOX AT 18" AFF WITH (1) 3/4" CONDUIT WITH PULL STRING TO ABOVE THE CEILING OR AT STRUCTURE ABOVE. FOR TV OUTLETS LOCATED AT THE PATIO, EXTEND CONDUIT INTO THE BUILDING AND STUB INTO THE CEILING STRUCTURE AREA. TV OUTLETS ARE APPROXIMATE AND ARE TO BE FIELD VERIFIED WITH OWNER/ARCHITECT PRIOR TO ROUGH IN.

- PLAN NOTES:
1. INSTALL AT THE STRUCTURE ABOVE. ROUTE CONDUIT CONCEALED ALONG STRUCTURE.
 2. MOUNT FROM STRUCTURE ABOVE, COORDINATE LOCATION.
 3. PROVIDE RECEPTACLE AND DATA OUTLET FOR MONITOR. COORDINATE MOUNTING HEIGHT/LOCATION WITH MONITOR.
 4. PROVIDE CONNECTION TO EXTERIOR SIGN. COORDINATE REQUIREMENTS WITH SIGN INSTALLER. CONTROL BY PHOTOCELL SHOWN ON CIRCUIT, MOUNT PHOTOCELL AS HIGH AS POSSIBLE.
 5. CONNECT TO HAND DRYER, COORDINATE MOUNTING HEIGHT.
 6. COORDINATE LOCATION WITH AHL. HORN/STROBE ONLY TO ACTIVATE UPON ACTIVATION OF THE DUCT MOUNTED SMOKE DETECTORS AT THE ROOFTOP UNITS OR UPON FIRE SPRINKLER WATER FLOW.
 7. FIRE ALARM PANEL TO MONITOR THE KITCHEN HOOD FIRE SUPPRESSION SYSTEM, THE FIRE SPRINKLER FLOW AND TAMPER SWITCHES AND THE DUCT MOUNTED SMOKE DETECTORS AT THE ROOFTOP UNITS ONLY. PANEL SHALL ACTIVATE THE DINING AREA HORN STROBE ONLY UPON ACTIVATION OF THE DUCT SMOKE DETECTORS OR SPRINKLER WATER FLOW ONLY. A FULL FIRE ALARM SYSTEM WITH FULL AUDIBLE AND VISUAL COVERAGE IS NOT REQUIRED.
 8. PROVIDE 2-GANG FLUSH FLOOR BOX SUITABLE FOR ON GRADE INSTALLATION, WIREMOLD #880 OR SIMILAR. FURNISH WITH METAL COVERPLATE WITH BLACK POWDER COAT FINISH. FURNISH WITH (1) DUPLEX RECEPTACLE WITH (2) USB CHARGING PORTS AND PROVISIONS FOR (2) DATA OUTLETS. PROVIDE (1) 3/4" CONDUIT FROM BOX TO ABOVE NEAREST WALL FOR COMMUNICATIONS CABLEING. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
 9. LIGHTING CONTROL PANEL, REFER TO THE LIGHTING PLANS FOR REQUIREMENTS.
 10. PROVIDE FIREBOY #CMD5 OR SIMILAR CO SENSOR SUITABLE FOR EXTERIOR INSTALLATION, MOUNT UNDER PATIO ROOF. PROVIDE RECEPTACLE ADJACENT TO SENSOR FOR POWER.

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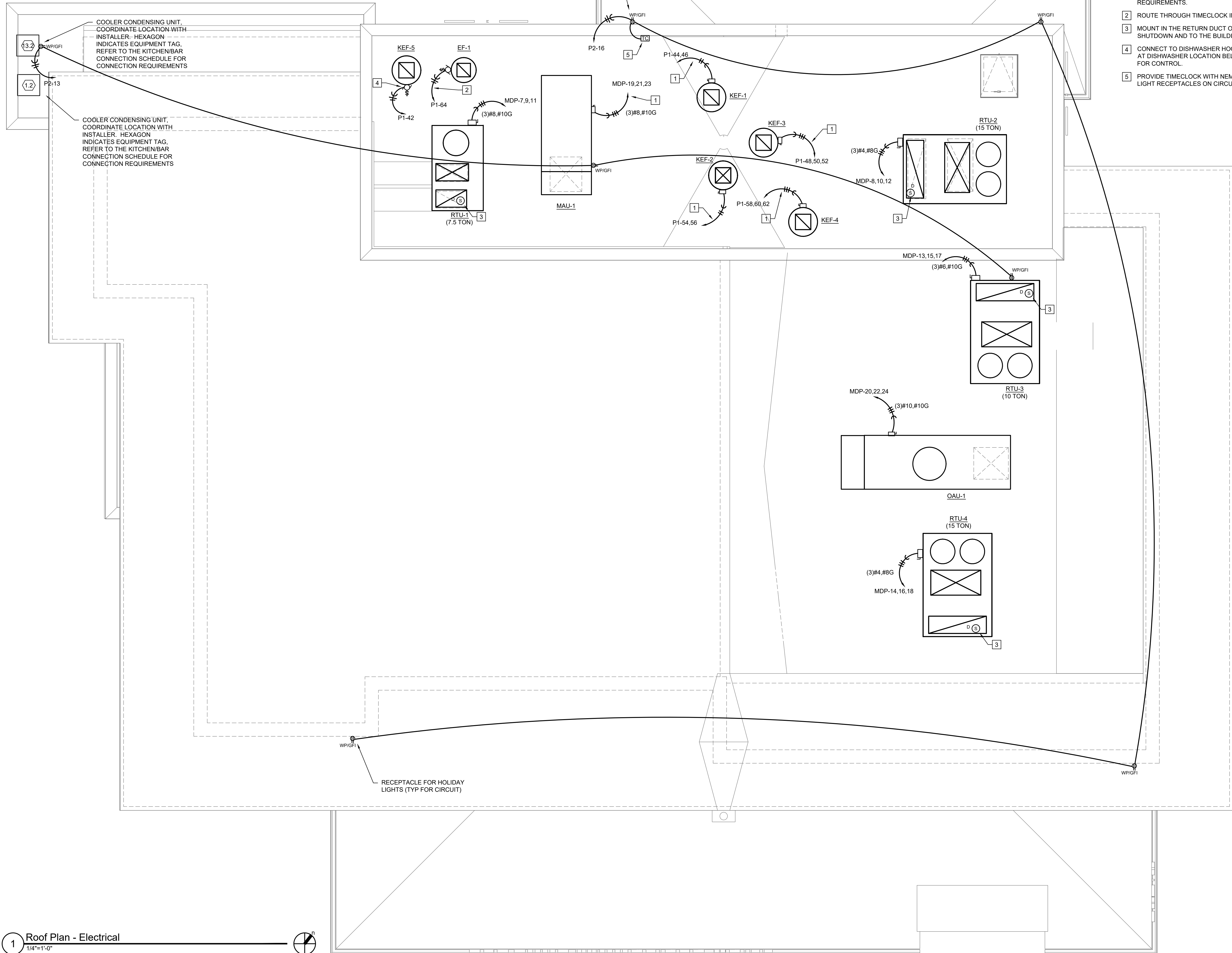
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1 Floor Plan - Power
 1/4"=1'-0"

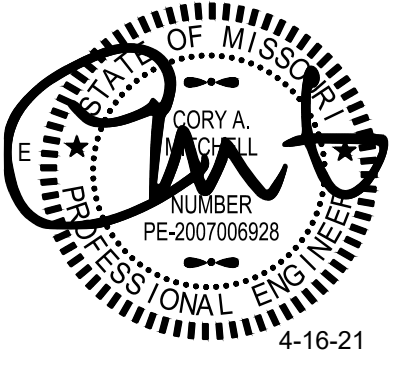
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- GENERAL NOTES:**
 1. ALL WIRE SIZES BASED ON COPPER CONDUCTORS UNLESS NOTED OTHERWISE.
- PLAN NOTES:**
 1. ROUTE THROUGH THE CONTROL PANEL AT THE HOOD BELOW. REFER TO THE MECHANICAL PLANS FOR ADDITIONAL INFORMATION AND CONNECTION REQUIREMENTS.
 2. ROUTE THROUGH TIMECLOCK IN THE MECHANICAL ROOM FOR CONTROL.
 3. MOUNT IN THE RETURN DUCT OF THE UNIT. CONNECT TO THE UNIT FOR SHUTDOWN AND TO THE BUILDING FIRE ALARM SYSTEM FOR MONITORING.
 4. CONNECT TO DISHWASHER HOOD EXHAUST FAN. PROVIDE PILOT LIGHT SWITCH AT DISHWASHER LOCATION BELOW AND ROUTE CIRCUIT TO PANEL VIA SWITCH FOR CONTROL.
 5. PROVIDE TIMECLOCK WITH NEMA 3R ENCLOSURE FOR CONTROL OF HOLIDAY LIGHT RECEPTACLES ON CIRCUIT. PROVIDE LABEL 'HOLIDAY ROOF RECEPTACLES'.

1 Roof Plan - Electrical
 1/4"=1'-0"



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Electrical Schedules

GENERAL

- ELECTRICAL NOTE REFERENCE
- REVISION NOTE REFERENCE
- EQUIPMENT CONNECTION TAG
- CONNECT TO EXISTING WORK
- DETAIL REFERENCE - NO./SHEET NO.

CONDUIT AND WIRE

- CONDUIT HOMERUN TO PANEL NOTED WITH (2)#12 AND (1)#12 AWG GROUND UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE CONDUCTORS. LONG MARKS INDICATE NEUTRAL CONDUCTORS.
- GROUND WIRE. #12 AWG UNLESS NOTED OTHERWISE.
- CONDUIT CONCEALED IN WALL OR ABOVE CEILING WITH (2)#12 AND (1)#12 AWG GROUND UNLESS NOTED OTHERWISE.
- CONDUIT BELOW GRADE OR FLOOR WITH WITH (2)#12 AND (1)#12 AWG GROUND UNLESS NOTED OTHERWISE.

LIGHTING

- WALL/CEILING MOUNTED EMERGENCY LIGHTING UNIT
- LIGHT FIXTURE
- NIGHT LIGHT FIXTURE
- CEILING MOUNTED SURFACE/RECESSED LIGHT
- CEILING MOUNTED SURFACE/RECESSED WALLWASH LIGHT. ARROW INDICATES DIRECTION.
- LIGHT FIXTURE WITH EMERGENCY BALLAST
- TRACK LIGHT
- POLE MOUNTED SITE LIGHT FIXTURE
- CEILING/WALL MOUNTED EXIT LIGHT. SHADING INDICATES FACES, ARROWS AS INDICATED

WIRING DEVICES

- SIMPLEX, DUPLEX, AND QUAD RECEPTACLE. MOUNT AT 18" AFF TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.
- ABOVE COUNTER RECEPTACLE, MOUNT 5" ABOVE BACKSPASH OR COUNTER TOP, WHICHEVER IS HIGHER.
- RECEPTACLE DESIGNATIONS:
GFI - GROUND FAULT CIRCUIT INTERRUPTER
RECEPTACLE
WP - WEATHER RESISTANT RECEPTACLE WITH "IN-USE" COVER
U - DUPLEX RECEPTACLE WITH (2) USB CHARGING PORTS, LEVITON T5832 OR EQUAL
- WALL SWITCH, SINGLE POLE. MOUNT AT 46" AFF TO CENTER OF DEVICE UNLESS NOTED OTHERWISE
- WALL SWITCH DESIGNATIONS:
3 - THREE POLE SWITCH
4 - FOUR-WAY WALL SWITCH
D - WALLBOX DIMMER
- MOTION SENSOR, CEILING MOUNTED. DESIGNATION INDICATES TYPE - REFER TO OCCUPANCY SENSOR SCHEDULE
- MOTION SENSOR, WALL MOUNTED. DESIGNATION INDICATES TYPE - REFER TO OCCUPANCY SENSOR SCHEDULE. MOUNT AT 46" AFF TO CENTER OF DEVICE
- MULTI-SERVICE FLOOR BOX
- FLOOR BOX W/DUPLEX RECEPTACLE
- NEMA RECEPTACLE, DESIGNATION INDICATES NEMA TYPE.

COMMUNICATIONS

- TELEPHONE OUTLET
- DATA OUTLET
- TELEPHONE/DATA OUTLET
- ABOVE COUNTER DEVICE, MOUNT 5" ABOVE BACKSPASH OR COUNTER TOP, WHICHEVER IS HIGHER.
- TELEVISION OUTLET
- PLYWOOD BOARD FOR EQUIPMENT MOUNTING

POWER DEVICE AND CONTROLS

- DISCONNECT SWITCH. 30/3IN/3 INDICATES AMPERAGE, NUMBER OF POLES, AND FUSING. NF = NON FUSED. MATCH CIRCUIT VOLTAGE. 240 VOLT, 3 POLE. 30 AMP NON FUSED IF BLANK.
- MOTOR
- PANELBOARD
- CONTACTOR
- PHOTOCELL
- JUNCTION BOX
- PUSHBUTTON
- TRANSFORMER
- TIMECLOCK

FIRE ALARM

- MANUAL PULL STATION
- SMOKE DETECTOR
- DUCT MOUNTED SMOKE DETECTOR
- SINGLE/ MULTIPLE STATION SMOKE DETECTOR.
- HEAT DETECTOR
- WALL MOUNTED VISIBLE NOTIFICATION DEVICE. NUMBER INDICATES CANDELA RATING. 110 CD IF NOT NOTED.
- WALL MOUNTED COMBINATION VISIBLE/AUDIBLE NOTIFICATION DEVICE. NUMBER INDICATES CANDELA RATING, 110 CD IF NOT NOTED.
- FIRE PROTECTION SYSTEM WATER FLOW SWITCH
- FIRE PROTECTION SYSTEM VALVE TAMPER SWITCH
- FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUCIATOR PANEL

ELECTRICAL ONE-LINE DIAGRAM

- PANELBOARD
- TRANSFORMER
- GROUNDING ELECTRODE
- METER
- FEEDER. "XXX" INDICATES FEEDER NUMBER, REFER TO FEEDER SCHEDULE FOR CIRCUIT CONDUCTORS AND CONDUIT SIZE.
- CIRCUIT BREAKER. XX/XP INDICATES AMPERAGE AND NUMBER OF POLES.
- FUSED SWITCH. XX/XX/XX INDICATES AMPERAGE, NUMBER OF POLES, AND FUSING.
- MOTOR

1 ELECTRICAL SYMBOLS
NO SCALE

COMcheck Software Version 4.1.2.0
Interior Lighting Compliance Certificate

Project Information
Energy Code: 2018 IECC
Project Title: New Construction
Project Type: New Construction
Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)
High efficiency HVAC. Systems that do not meet the performance requirement will be identified in the mechanical requirements checklist report.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-vestibule/reception (Common Space Types:Lobby - General)	224	1.00	224
5-restrooms (Common Space Types:Restrooms)	349	0.85	297
2-storage (Common Space Types:Storage)	196	0.63	123
4-kitchen (Common Space Types:Food Preparation)	1119	1.06	1186
6-dining (Common Space Types:Dining Area - Bar Lounge/Leisure)	3686	0.93	3428
3-office (Common Space Types:Office - Enclosed)	62	0.93	48
Total Allowed Watts =			5307

Proposed Interior Lighting Power

A Fixture ID - Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-vestibule/reception (Common Space Types:Lobby - General)				
LED 1: C3-LED DL-LED PAR 12W	1	7	12	84
LED 2: C2-LED DL-LED PAR 17W	1	9	17	153
5-restrooms (Common Space Types:Restrooms)				
LED 3: C1A-LED DL-LED PAR RW	1	4	8	32
LED 4: Q1- LINEAR-LED-LED Linear 17W	1	1	17	17
LED 5: P3-3-LED DL-LED PAR 20W	1	4	25	100
LED 6: P3-3-LED DL-LED PAR 20W	1	6	50	300
2-storage (Common Space Types:Storage)				
LED 8: B-LED STRIP-LED Panel 38W	1	3	32	96
4-kitchen (Common Space Types:Food Preparation)				
LED 12: A2-LED 2X4-LED Panel 19W	1	7	23	161
LED 9: A1-LED 2X4-LED Panel 38W	1	6	39	234
6-dining (Common Space Types:Dining Area - Bar Lounge/Leisure)				
LED 23: L1-LED PENDANT-Other	1	3	50	150
LED 8: B2-LED STRIP-LED Panel 38W	1	1	24	24
LED 17: G2-LED STEP-LT-LED Linear 22W	1	4	3	12
LED 3: C1A-LED DL-LED PAR RW	1	1	8	8

Project Title: C:\Users\kcam\OneDrive - Welch & Mitchell, Inc\Public\WMI\Projects\2021\110300 Red Door
Data filename: C:\Users\kcam\OneDrive - Welch & Mitchell, Inc\Public\WMI\Projects\2021\110300 Red Door Page 1 of 7
Gillie Lee's Summit\Design\Comcheck RDG.cck Report date: 04/06/21

A Fixture ID - Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
LED 15: K3-LED DL-LED PAR RW	1	16	9	144
LED 13: C1B-LED DL-LED PAR RW	1	1	12	12
LED 12: K2-LED DL-LED PAR RW	1	18	13	234
LED 11: K1A/B-LED DL-LED PAR RW	1	20	19	380
LED 10: P1-LED DL-LED PAR RW	1	3	20	60
LED 16: Q1-LED SCENCE-LED PAR 20W	1	4	30	120
LED 18: N1-LED PENDANT-LED Other Fixture Unit 60W	1	4	77	308
LED 19: FIX-LED TAPE-LED Other Fixture Unit 125W	1	1	200	200
Track lighting 1: Wattage based on current limiting device capacity	0	0	2400	2400
3-office (Common Space Types:Office - Enclosed) LED 9: A1-LED 2X4-LED Panel 38W				39
Total Proposed Watts =				5268

Interior Lighting PASSES: Design 1% better than code

Interior Lighting Compliance Statement
Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.2.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

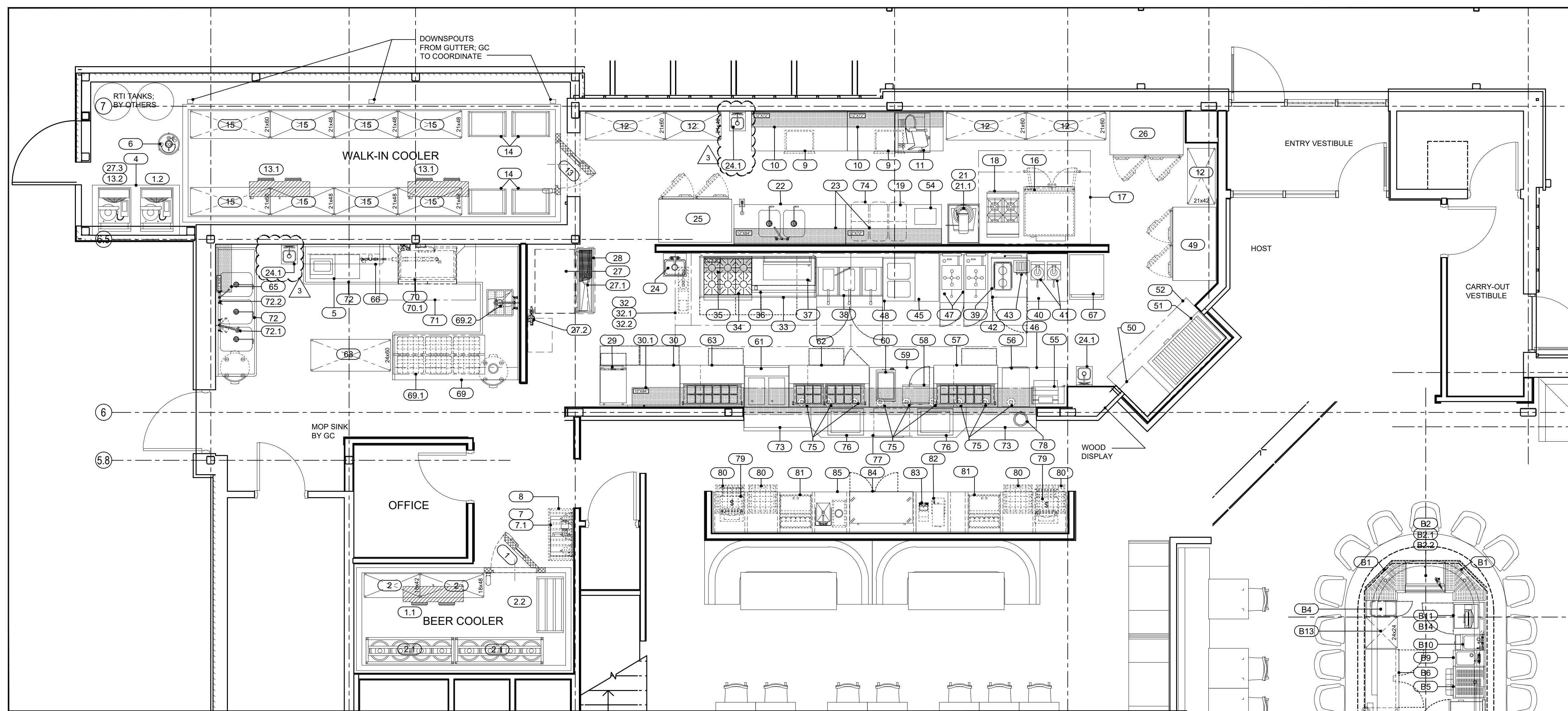
Cory Mitchell - designer
Name - Title: Signature: Date: 4-6-21

Project Title: C:\Users\kcam\OneDrive - Welch & Mitchell, Inc\Public\WMI\Projects\2021\110300 Red Door
Data filename: C:\Users\kcam\OneDrive - Welch & Mitchell, Inc\Public\WMI\Projects\2021\110300 Red Door Page 2 of 7
Gillie Lee's Summit\Design\Comcheck RDG.cck Report date: 04/06/21

- GENERAL NOTES**
- THESE DRAWINGS ARE TO BE USED AS AN INSTRUMENT OF REFERENCE BY ALL OTHER TRADES AND CONTRACTORS. ALL TRADES SHALL VERIFY THE INFORMATION AS INDICATED ON THESE PLANS.
 - DIMENSIONS AND REQUIREMENTS FOR ALL EQUIPMENT THAT IS LISTED AS EXISTING, PROVIDED BY OTHERS OR PROVIDED BY OWNER, MUST BE VERIFIED WITH THE APPROPRIATE PARTIES.
 - ALL LOCAL, STATE AND NATIONAL CODES SHALL APPLY.
 - ALL DIMENSIONS ON THESE PLANS ARE BASED ON FINISHED WALL AND FLOOR DIMENSIONS. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL OR INTENDED CONDITIONS IN THE FIELD SHOULD BE REPORTED TO HOCKENBERGS IMMEDIATELY.
 - UNLESS OTHERWISE NOTED, ARCHITECT TO LOCATE, GENERAL CONTRACTOR TO PROVIDE ALL ROOF/BUILDING PENETRATIONS AND CURBS FOR EXHAUST/SUPPLY AIR SYSTEMS AND REMOTE COMPRESSORS.
 - ARCHITECT TO LOCATE ALL REMOTE COMPRESSORS AND CONDENSERS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - UNLESS OTHERWISE NOTED ALL DIMENSIONS SHOWN ON THIS PLAN ARE FROM THE FINISHED FLOOR, CEILING OR WALLS TO THE CENTERLINE OF THE ROUGH-INS.
 - HOCKENBERGS DOES NOT EMPLOY A LICENSED ARCHITECT OR ENGINEER. THESE DOCUMENTS PROVIDED BY HOCKENBERGS ARE GUIDELINE DOCUMENTS ONLY AND ARE INTENDED TO BE INCORPORATED INTO THE FINAL CONSTRUCTION DOCUMENTS BY A LICENSED ARCHITECT OR ENGINEER THAT IS EMPLOYED BY THE OWNER. FINAL CODE COMPLIANCE, PLAN SUBMITTAL AND ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE ARCHITECT AND/OR GENERAL CONTRACTOR.

REVISIONS

DATE	NO.	DESCRIPTION
1/20/21	-	PRELIM. EQ. LAYOUT
3/10/21	-	UPDATED EQ. LAYOUT
3/23/21	-	REV'D BEER COOLER LOC. & COMP. UNITS
5/10/21	3	HAND SINK REV'S PER HEALTH DEPT. REVIEW

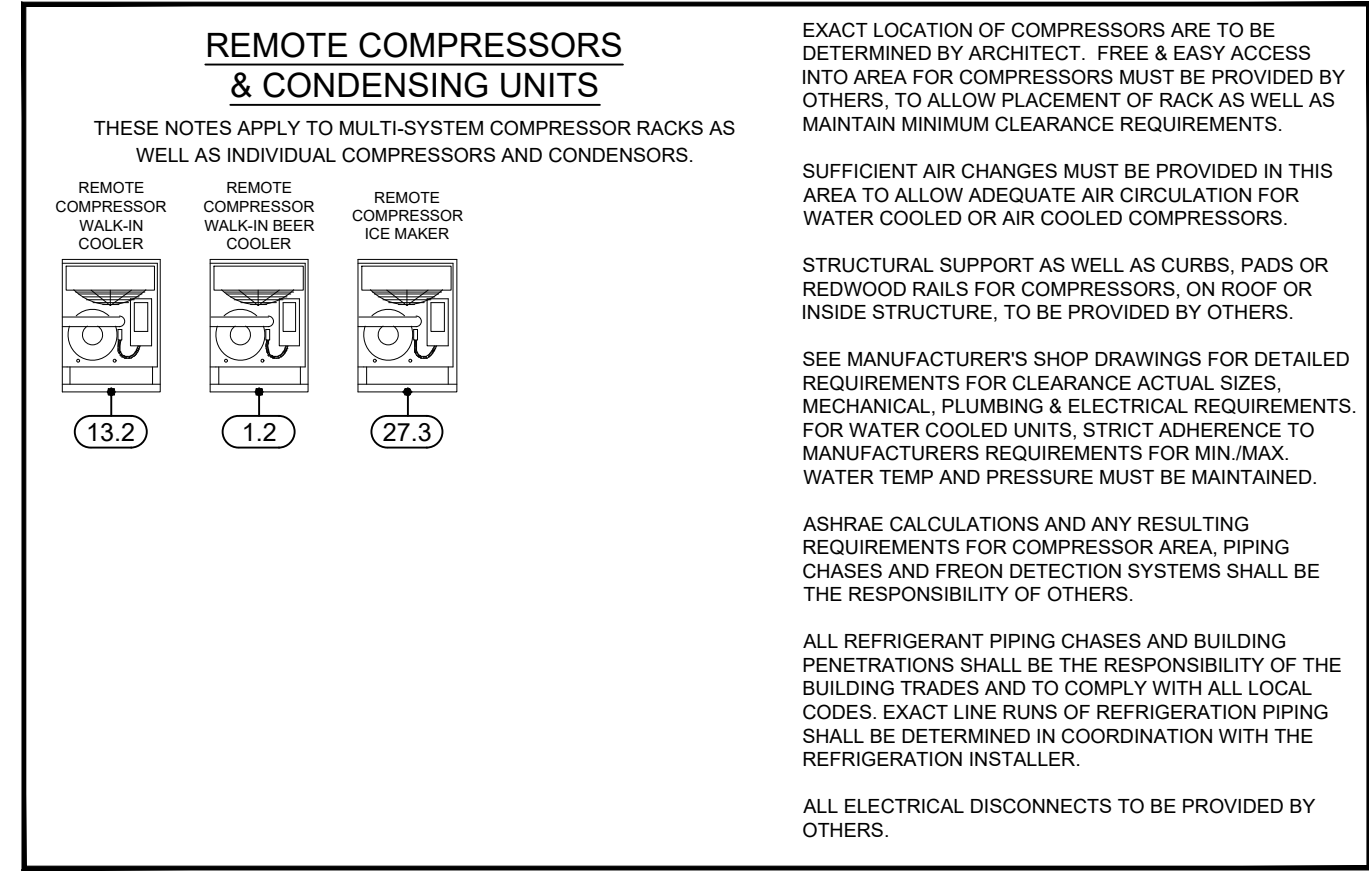


KITCHEN & BAR EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"

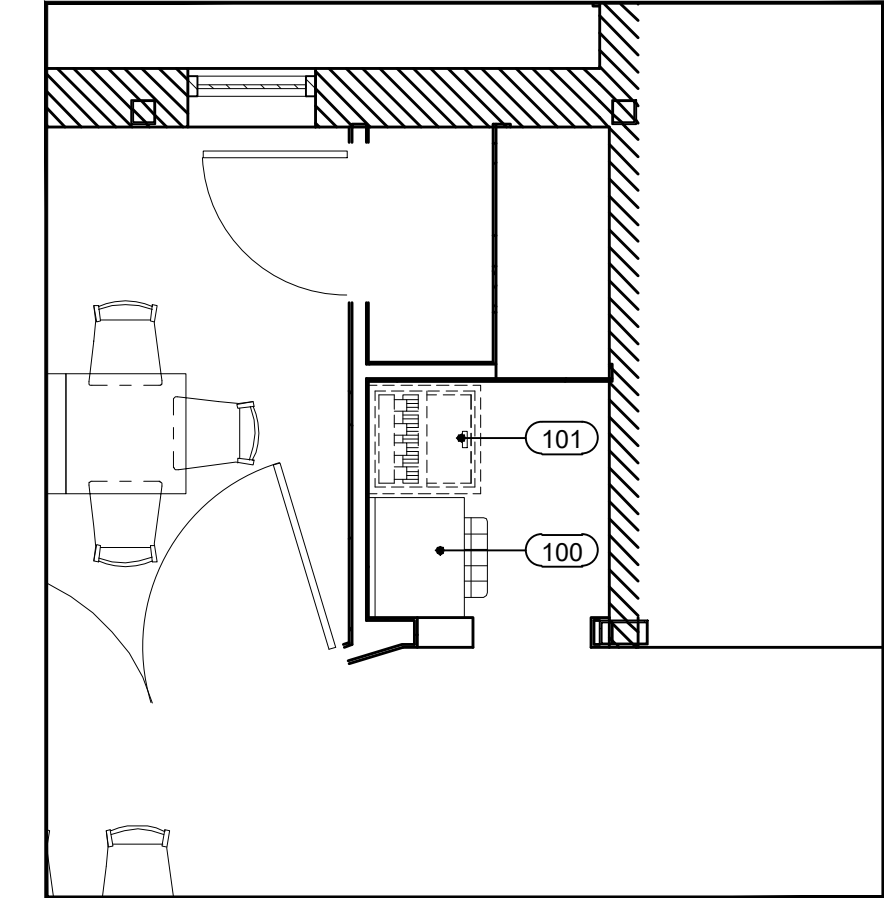
KITCHEN				KITCHEN				KITCHEN			
ITEM NUMBER	QTY	BY VENDOR	DESCRIPTION	ITEM NUMBER	QTY	BY VENDOR	DESCRIPTION	ITEM NUMBER	QTY	BY VENDOR	DESCRIPTION
1	1	-	WALK-IN BEER COOLER	27.2	1	X	WATER FILTER (BY OTHERS)	62	1	-	REFRIGERATOR, SANDWICH/ SALAD PREP
1.1	1	-	BEER COOLER EVAPORATOR	27.3	1	X	REMOTE COMPRESSOR (BY OTHERS)	63	1	-	REFRIGERATOR, SANDWICH/ SALAD PREP
1.2	1	-	BEER COOLER REMOTE COMPRESSOR	28	1	-	FLOOR TROUGH	64	1	-	CLEAN DISHTABLE
2	LT	-	STORAGE SHELVING	29	1	-	HIGH SPEED VENTLESS OVEN	65	2	-	OVERSHELF
2.1	LT	-	KEG RACKS	30	1	-	UNDERCOUNTER REFRIGERATOR	66	1	-	POT RACK
3	-	-	OPEN #	30.1	-	-	DOUBLE OVERSHELF	67	1	-	MOBILE WARMER
4	1	-	COMPRESSOR RACK, 2-TIER	31	-	-	OPEN #	68	LT	-	UTILITY RACKS
5	1	-	MEAT MARINATOR, MOBILE	32	1	X	EXHAUST HOOD & SYSTEMS - (BY OTHERS)	69	1	-	SOILED DISHTABLE
6	LT	X	CO2 - (BY OTHERS)	33	1	-	REFRIGERATED EQUIPMENT STAND	69.1	1	-	DOUBLE SLANT RACK
7	1	X	GLYCOL PUMP - (BY OTHERS)	34	1	-	HOT PLATE, 6-BURNER	69.2	1	-	PRE-RINSE UNIT
7.1	1	X	WALL SHELF (BY OTHERS)	35	-	-	OVERSHELF	70	1	X	DISHMACHINE - (BY OTHERS)
8	LT	X	BAG-IN-BOX - (BY OTHERS)	36	1	-	GRIDDLE	70.1	1	X	DRAIN TEMPERING KIT - (BY OTHERS)
9	2	-	WORKTABLES	37	1	-	CHEESE MELTER	71	1	X	CONDENSATE HOOD & SYSTEMS - (BY OTHERS)
10	LT	-	WALL GRID SHELVING	38	1	-	FRYERS, BATTERY OF 3	72	1	-	3-COMPARTMENT SINK
11	1	-	SLICER	39	1	-	HEAT LAMP	72.1	1	-	PRE-RINSE W/ FAUCET
12	LT	-	STORAGE SHELVING	40	1	-	WORKTABLE	72.2	1	-	FAUCET
13	1	-	WALK-IN COOLER	41	2	-	WAFFLE BAKERS	73	2	-	DISH CABINET/ EXPO COUNTER W/ OVERSHELF
13.1	2	-	COOLER EVAPORATOR	42	1	-	UNDERCOUNTER FREEZER	72.2	1	-	FAUCET
13.2	1	-	COOLER REMOTE COMPRESSOR	43	1	-	TOASTER	74	3	-	INGREDIENT BINS
14	2	-	PAN RACKS	44	-	-	OPEN #	75	9	-	DROP DOWN HEAT LAMPS
15	LT	-	COOLER SHELVING	45	1	-	LANDING TABLE	76	2	-	DROP-IN COLD PANS
16	1	-	DOUBLE CONVECTION OVEN	46	1	-	WORKTABLE	77	1	-	DRAWER WARMER
17	1	X	EXHAUST HOOD & SYSTEMS - (BY OTHERS)	47	2	X	PRESSURE FRYERS	78	1	-	COOKER/ WARMER
18	1	-	6-BURNER HOT PLATE	48	1	-	BREADING STATION	79	LT	X	POS UNITS - (BY OTHERS)
19	1	-	WORKTABLE	50	1	-	WORKTABLE	80	LT	-	RACK DOLLIES
20	-	-	OPEN #	51	1	-	BROILER - (WOOD)	81	2	X	SODA/ ICE DISPENSER - (BY OTHERS)
21	1	-	MIXER	52	1	X	EXHAUST HOOD, FAN & MUA/ FIRE SYSTEM - (BY OTHERS)	82	1	X	COFFEE/ TEA BREWER - (BY OTHERS)
21.1	1	-	MIXER STAND, MOBILE	53	-	-	OPEN #	83	1	X	COFFEE GRINDER - (BY OTHERS)
22	1	-	PREP TABLE W/ SINKS, FAUCET & CAN OPENER	54	1	-	DOUGH SHEETER	84	1	-	UNDERCOUNTER REFRIGERATOR
23	2	-	WALL GRID SHELVING	55	1	-	TOASTER - (CONVEYOR)	85	1	-	BEVERAGE COUNTER
24	3	X	HAND SINK - (BY OTHERS)	56	1	-	DRAWER WARMER				
24.1	3	X	HAND SINKS - (BY OTHERS)	57	1	-	REFRIGERATOR, SANDWICH/ SALAD PREP				
25	1	-	REACH-IN REFRIGERATOR	58	1	-	MICROWAVE	100	1	-	BEVERAGE COUNTER W/ RACK SLIDES
26	1	-	REACH-IN FREEZER	59	1	-	WORKTABLE	101	1	X	SODA DISPENSER W/ ICE BIN - (BY OTHERS)
27	1	X	ICE MACHINE - (BY OTHERS)	60	1	-	HOT FOOD WELL				
27.1	1	X	ICE BIN - (BY OTHERS)	61	1	-	HOT FOOD TABLE				

BAR

ITEM NUMBER	QTY	BY VENDOR	DESCRIPTION
B1	4	-	UNDERBAR CORNER DRAINBOARDS
B2	2	-	UNDERBAR COCKTAIL ICE BINS
B2.1	2	-	UNDERBAR SPEEDRAILS
B2.2	2	X	SODA GUNS - (BY OTHERS)
B3	-	-	OPEN #
B4	2	-	UNDERBAR DRYWASTE
B5	1	-	UNDERBAR GLASS RACK CABINET
B6	2	-	UNDERBAR REFRIGERATORS
B7	-	-	OPEN #
B8	1	X	GLASS WASHER (BY OTHERS)
B9	1	-	UNDERBAR DUMP SINK
B10	1	-	UNDERBAR HAND SINK
B11	1	-	UNDERBAR POS STATION
B12	1	-	GLASS FROSTER
B13	2	-	3-TIER SHELF UNIT W/ MATS
B14	LT	X	POS UNITS - (BY OTHERS)
B15	1	-	BEER DISPENSING HEAD



PRELIMINARY DRAWING
NOT TO BE USED FOR CONSTRUCTION



RED DOOR GRILL
LEES SUMMIT, MO
Food Service Equipment

PROJECT NUMBER: 10-21004
DATE: 02/DD/2021
SCALE: AS NOTED
DRAWN BY: DRW
APPROVED BY: JL

SHEET TITLE:
EQUIPMENT LAYOUT PLAN

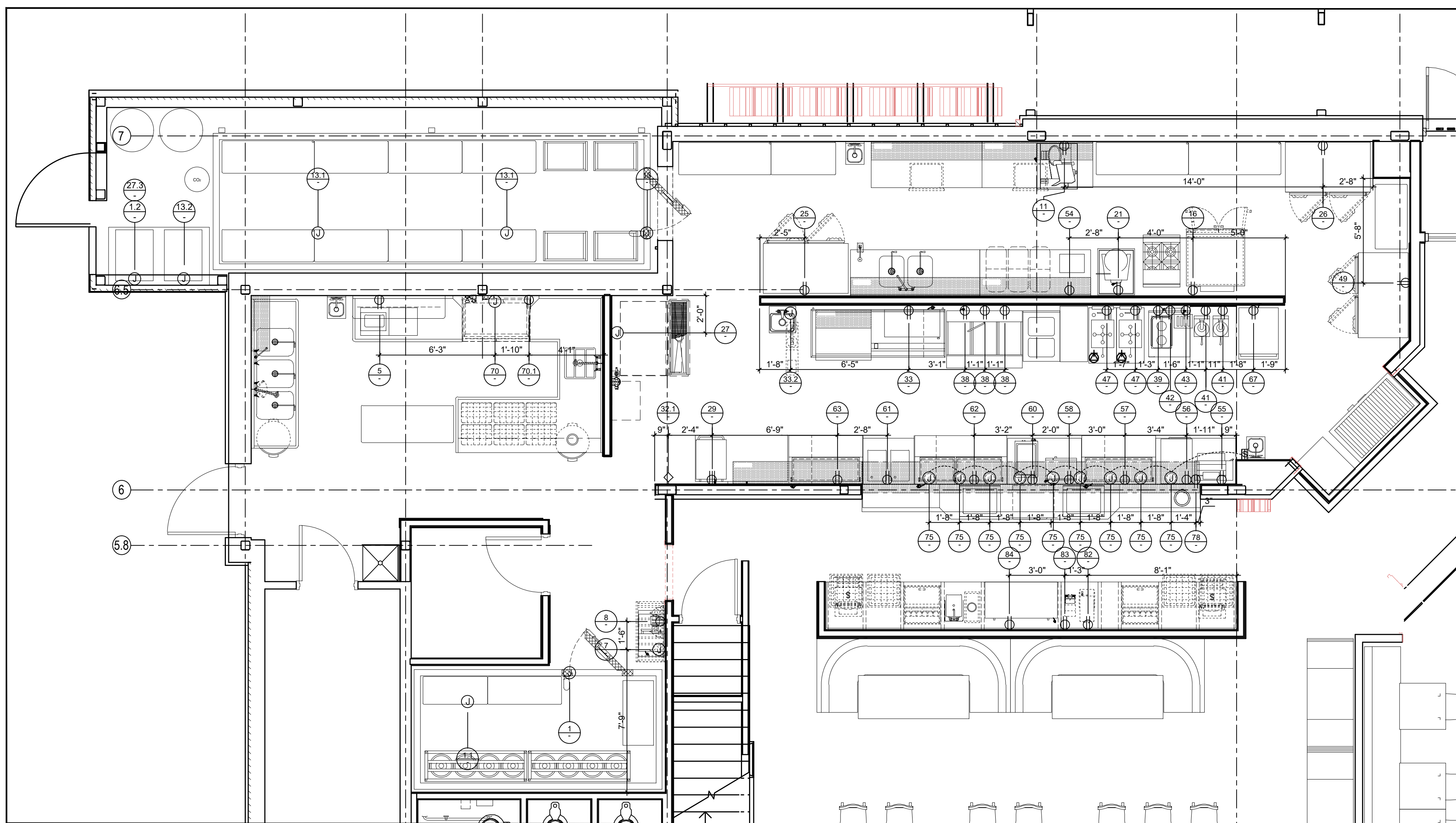
SHEET NUMBER:
K-1

ELECTRICAL NOTES

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- ALL LOCAL, STATE AND NATIONAL CODES SHALL APPLY.
- THESE UTILITY REQUIREMENT DRAWINGS INDICATE THE UTILITY AND LOCATION OF REQUIREMENTS BASED ON THE EQUIPMENT SPECIFIED.
- ALL EQUIPMENT SHALL BE WIRED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND/OR SHOP DRAWINGS.
- UNLESS OTHERWISE NOTED, ALL DIMENSIONS SHOWN ON THIS PLAN ARE FROM THE FINISHED FLOOR, CEILING, WALLS OR COLUMN CENTERLINES TO THE CENTERLINE OF THE ROUGH-INS.
- ALL ELECTRICAL CONNECTIONS ARE TO BE EXTENDED AND INTERCONNECTED TO CONNECTION POINTS ON THE EQUIPMENT BY OTHERS. UNLESS SPECIFIED, ALL HARDWARE REQUIRED FOR THESE CONNECTIONS SHALL BE SUPPLIED BY THE ELECTRICAL CONTRACTOR.
- SURFACE MOUNTED WIRE AND CONDUIT WILL NOT BE ALLOWED. ALL ELECTRICAL LINES AND CONDUIT SHALL BE EXTENDED THROUGH AND OUT OF BUILDING WALLS WHERE POSSIBLE. WHERE SURFACE MOUNTED CONDUIT IS UNAVOIDABLE, IT MUST BE COORDINATED WITH HOCKENBERGS.
- ROUGH-INS OUT OF FLOOR SHOULD BE STUBBED UP 4" ABOVE FINISHED FLOOR AND BROUGHT TO THE REQUIRED HEIGHT AFTER EQUIPMENT IS SET IN PLACE.
- ALL 120 VOLT UTILITY OUTLETS TO BE G.F.C.I. OUTLETS.
- ALL NECESSARY ELECTRICAL DISCONNECTS, SHUNT TRIP BREAKERS AND STARTERS ARE TO BE FURNISHED AND INSTALLED BY OTHERS, UNLESS PROVIDED AS STANDARD OR SPECIFIED EQUIPMENT COMPONENT OF THE EQUIPMENT MANUFACTURER. THIS SHALL INCLUDE ELECTRICAL DISCONNECTS FOR ALL REMOTE COMPRESSORS, BOOSTER HEATERS AND OTHER ITEMS REQUIRED BY CODE.
- ALL ELECTRICAL ITEMS SUPPLIED UNDER COOKING LINE EXHAUST HOOD ARE TO SHUT DOWN WITH SHUNT TRIP BREAKERS (BY OTHERS) CONNECTED TO FIRE SYSTEM. ELECTRICAL ENGINEER TO CONFIRM COMPLIANCE TO ALL CODES.
- ALL OUTLETS, JUNCTION BOXES, DISCONNECTS, ETC. SHALL BE INSTALLED SO AS NOT TO INTERFERE WITH THE PERFORMANCE, FUNCTION, OR PLACEMENT OF THE EQUIPMENT.
- STARTERS, RELAYS, HEATERS AND SWITCHES REQUIRED FOR EXHAUST AND SUPPLY FANS ARE TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- DISHMACHINES:
 - ELECTRICAL CONTRACTOR SHALL INTERCONNECT DISHMACHINE WITH DISHMACHINE EXHAUST FAN. INTERCONNECTION SHALL LINK OPERATION OF EXHAUST FAN AND DISHMACHINE SO THAT BOTH UNITS RUN SIMULTANEOUSLY AT ALL TIMES.
 - ELECTRICAL CONTRACTOR SHALL INTERCONNECT TABLE LIMIT SWITCH AT END OF CLEAN DISHTABLE WITH CONVEYOR TYPE DISHMACHINES. LIMIT SWITCH SHALL TERMINATE DISHMACHINE OPERATION WHEN DEPRESSED.
- WALK-IN COOLER/FREEZER BOXES & REMOTE COMPRESSORS:
 - INTERCONNECT TO BLOWER COIL IN FREEZER.
 - INTERCONNECT BETWEEN TIMER & CONTACTOR.
 - INTERCONNECT BETWEEN TIMER & PRESSURE CONTROL SOLENOID.
 - INTERCONNECT BETWEEN CONTACTOR AND COMPRESSOR FAN.
 - INTERCONNECT BETWEEN TERMINAL AND CONTACTOR TO BLOWER COIL IN FREEZERS.
 - CONNECT DRAIN LINE HEATER TO RECEPTACLE IN FREEZER.
 - CONNECT PAN HEATER TO TERMINAL STRIP IN FREEZERS.
 - CONNECT DOOR HEATER TO TERMINAL STRIP IN FREEZERS.
- ALL ELECTRICAL CONDUIT TO BE RUN ON TOP (EXTERIOR) OF WALK-IN COOLER/FREEZER BOX WHERE POSSIBLE.
- UNLESS PROVIDED BY THE MANUFACTURER, ALL LIGHT BULBS FOR FOODSERVICE EQUIPMENT TO BE PROVIDED BY OTHERS.

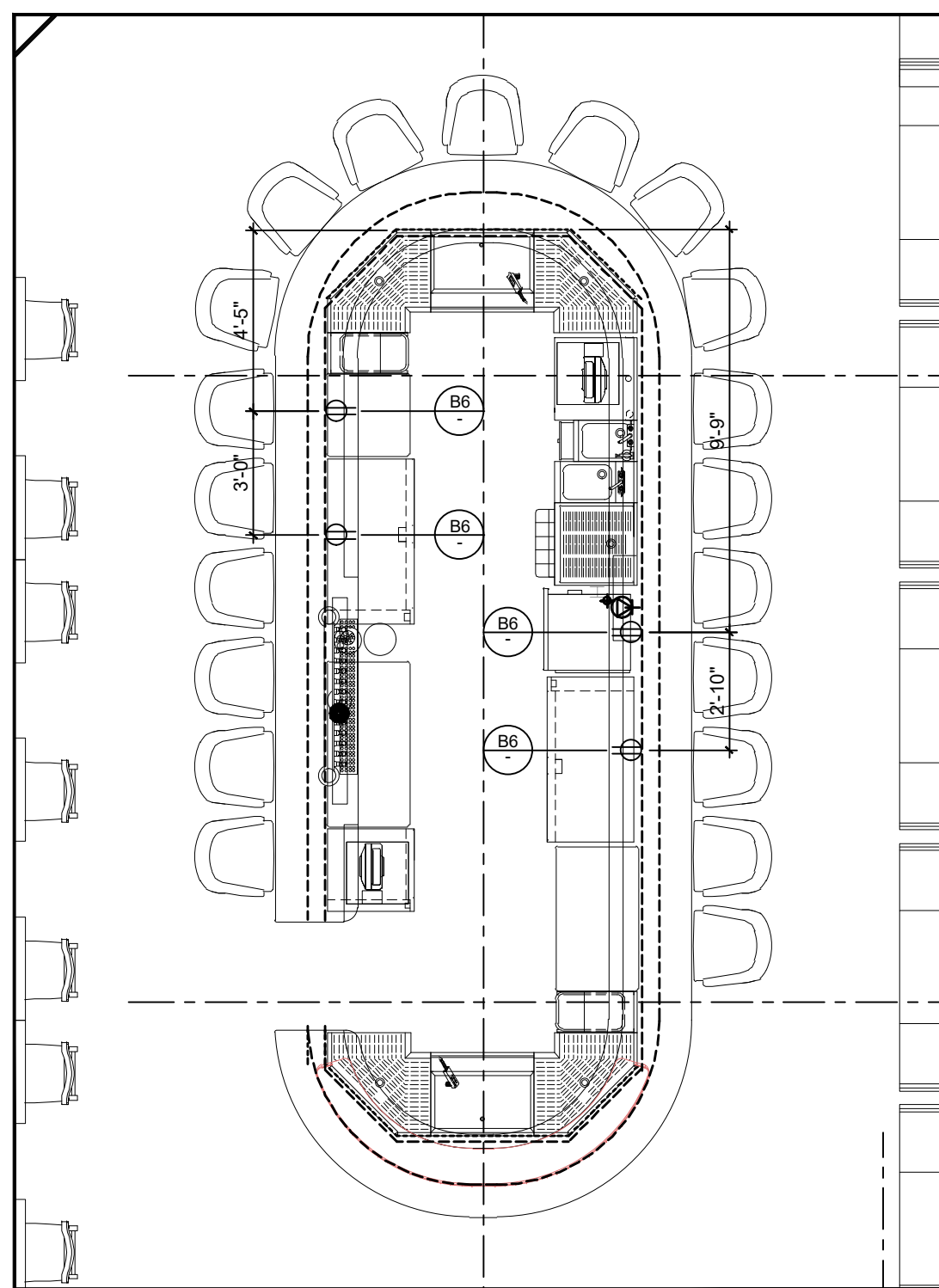
REVISIONS

DATE	NO.	DESCRIPTION
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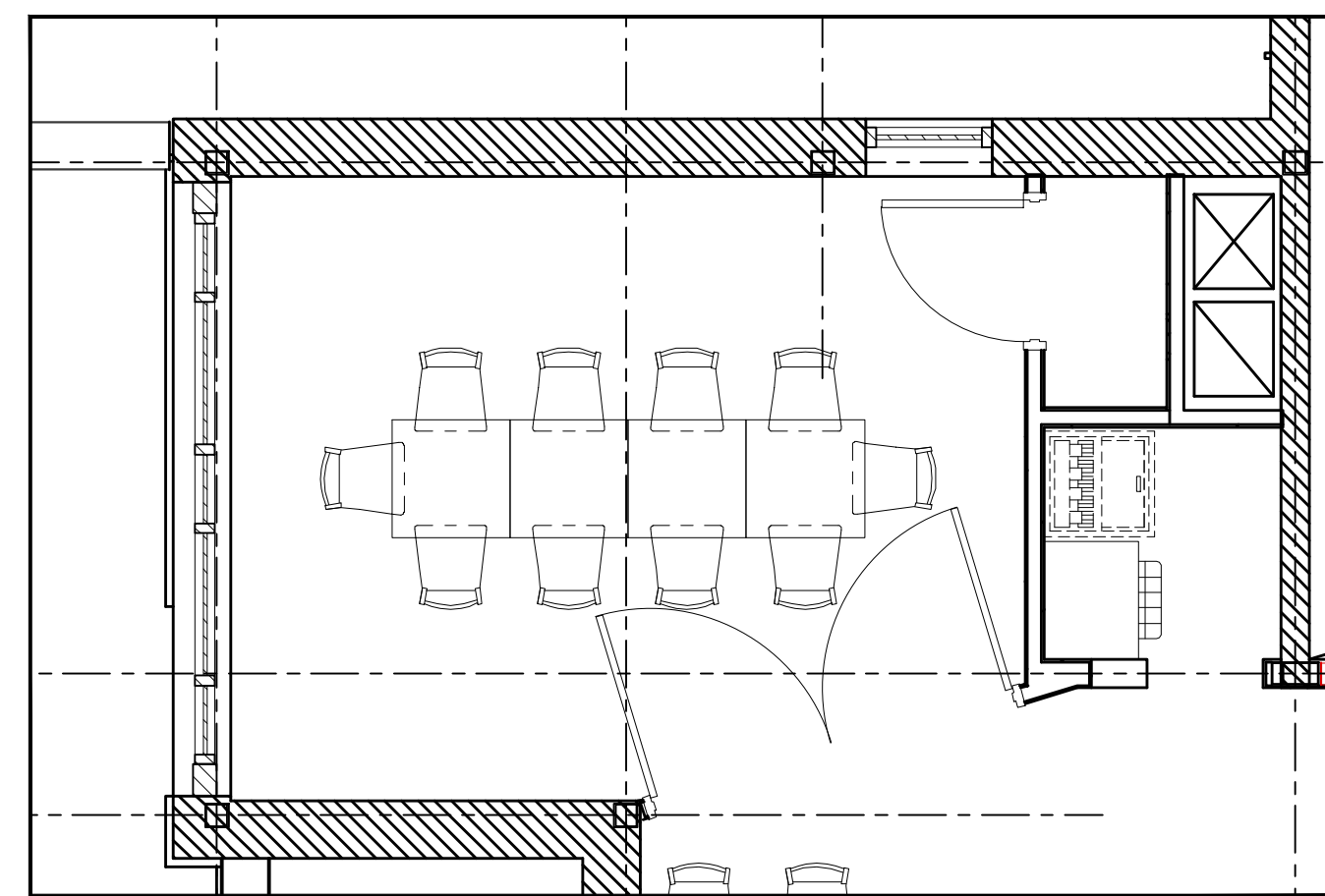
KITCHEN EQUIPMENT PLAN

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



BAR EQUIPMENT PLAN

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

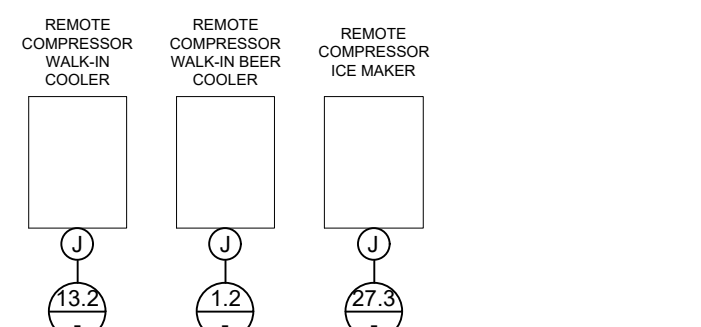


MEZZANINE EQUIPMENT PLAN

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

REMOTE COMPRESSORS & CONDENSING UNITS

THESE NOTES APPLY TO MULTI-SYSTEM COMPRESSOR RACKS AS WELL AS INDIVIDUAL COMPRESSORS AND CONDENSERS.



IMPORTANT ELECTRICAL NOTE: FOR EACH FREEZER COMPRESSOR, ELECTRICIAN TO PROVIDE (1) 3/4" DIAMETER CONDUIT W/ (6) #10 WIRES & INTERCONNECT BETWEEN COMPRESSOR, EVAPORATOR COIL & TIME CLOCK. VERIFY ALL DETAILS WITH MANUFACTURER'S SHOP DRAWINGS.

EXACT LOCATION OF COMPRESSORS ARE TO BE DETERMINED BY ARCHITECT. FREE & EASY ACCESS INTO AREA FOR COMPRESSORS MUST BE PROVIDED BY OTHERS, TO ALLOW PLACEMENT OF RACK AS WELL AS MAINTAIN MINIMUM CLEARANCE REQUIREMENTS.

SUFFICIENT AIR CHANGES MUST BE PROVIDED IN THIS AREA TO ALLOW ADEQUATE AIR CIRCULATION FOR WATER COOLED OR AIR COOLED COMPRESSORS.

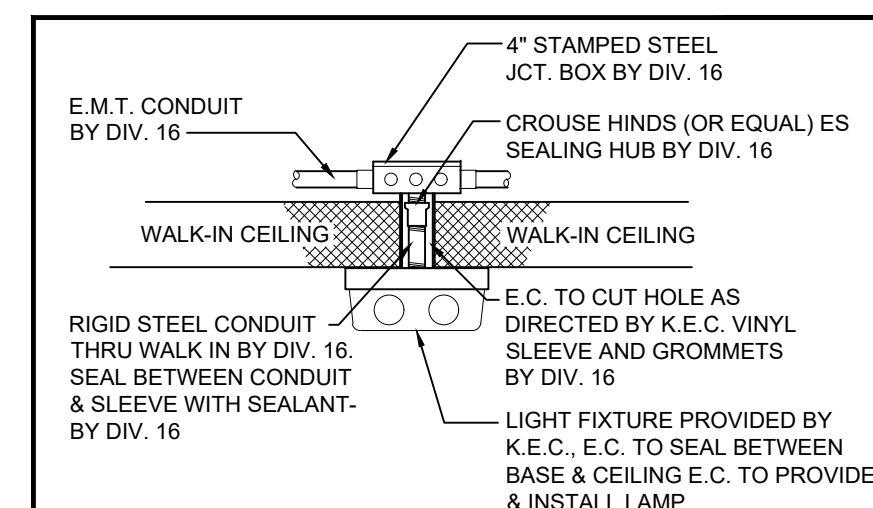
STRUCTURAL SUPPORT AS WELL AS CURBS, PADS OR REDWOOD RAILS FOR COMPRESSORS, ON ROOF OR INSIDE STRUCTURE, TO BE PROVIDED BY OTHERS.

SEE MANUFACTURER'S SHOP DRAWINGS FOR DETAILED REQUIREMENTS FOR CLEARANCE ACTUAL SIZES, MECHANICAL, PLUMBING & ELECTRICAL REQUIREMENTS. FOR WATER COOLED UNITS, STRICT ADHERENCE TO MANUFACTURER'S REQUIREMENTS FOR MIN. MAX. WATER TEMP AND PRESSURE MUST BE MAINTAINED.

ASHRAE CALCULATIONS AND ANY RESULTING REQUIREMENTS FOR COMPRESSOR AREA, PIPING CHANGES AND FLEON DETECTION SYSTEMS SHALL BE THE RESPONSIBILITY OF OTHERS.

ALL REFRIGERANT PIPING CHANGES AND BUILDING PENETRATIONS SHALL BE THE RESPONSIBILITY OF THE BUILDING TRADES AND TO COMPLY WITH ALL LOCAL CODES. EXACT LINE RUNS OF REFRIGERATION PIPING SHALL BE DETERMINED IN COORDINATION WITH THE REFRIGERATION INSTALLER.

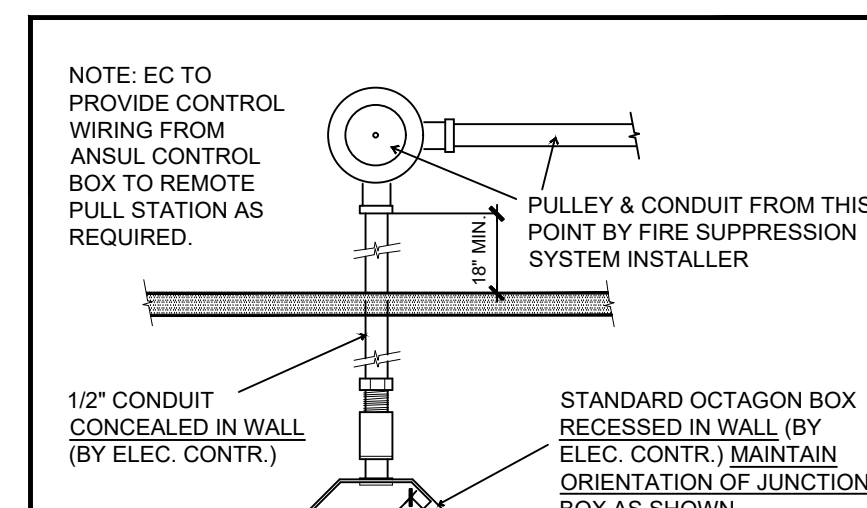
ALL ELECTRICAL DISCONNECTS TO BE PROVIDED BY OTHERS.



- ALL CONDUIT TO BE RUN ON EXTERIOR OF WALK-IN BY DIV. 16 UNLESS BOX IS LOCATED OUTDOORS. THEN CONDUIT IS TO RUN BELOW CEILING.
- ALL PENETRATIONS THRU WALK-IN TO BE THOROUGHLY SEALED.
- ALL LIGHT FIXTURES TO BE FURNISHED BY E.C.C.
- MOUNTING FIXTURES, ALL CONDUIT AND ALL INTER-WIRING BY DIV. 16.
- ALL LAMPS (BULBS) TO BE FURNISHED BY OTHERS.

WALK-IN LIGHT DETAIL

NOT TO SCALE



- NOTE: EC TO PROVIDE CONTROL WIRING FROM ANSUL CONTROL BOX TO REMOTE PULL STATION AS REQUIRED.
- 1/2" CONDUIT CONCEALED IN WALL (BY ELEC. CONTR.)
- STANDARD OCTAGON BOX RECESSED IN WALL (BY ELEC. CONTR.) MAINTAIN ORIENTATION OF JUNCTION BOX AS SHOWN

REMOTE FIRE PULL DETAIL

NOT TO SCALE

ELECTRICAL SYMBOLS

ITEM NUMBER	ELECTRICAL ROUGH-IN NOTE (SEE SCHEDULE)
1	SINGLE RECEPTACLE
2	DUPLEX RECEPTACLE
3	QUAD RECEPTACLE
4	ISOLATED GROUND DUPLEX RECEPTACLE
5	HIGH VOLTAGE RECEPTACLE
6	JUNCTION BOX
7	DROP CORD
8	FIRE PULL
9	WALL SWITCH
10	TELEPHONE
11	DATA
12	USB RECEPTACLE
13	ELECTRICAL INTERCONNECTION

RED DOOR GRILL
LEES SUMMIT, MO

Food Service Equipment

PROJECT NUMBER: 10-21004

DATE: 02/DD/2021

SCALE: AS NOTED

DRAWN BY: DRW

APPROVED BY: JL

SHEET TITLE:

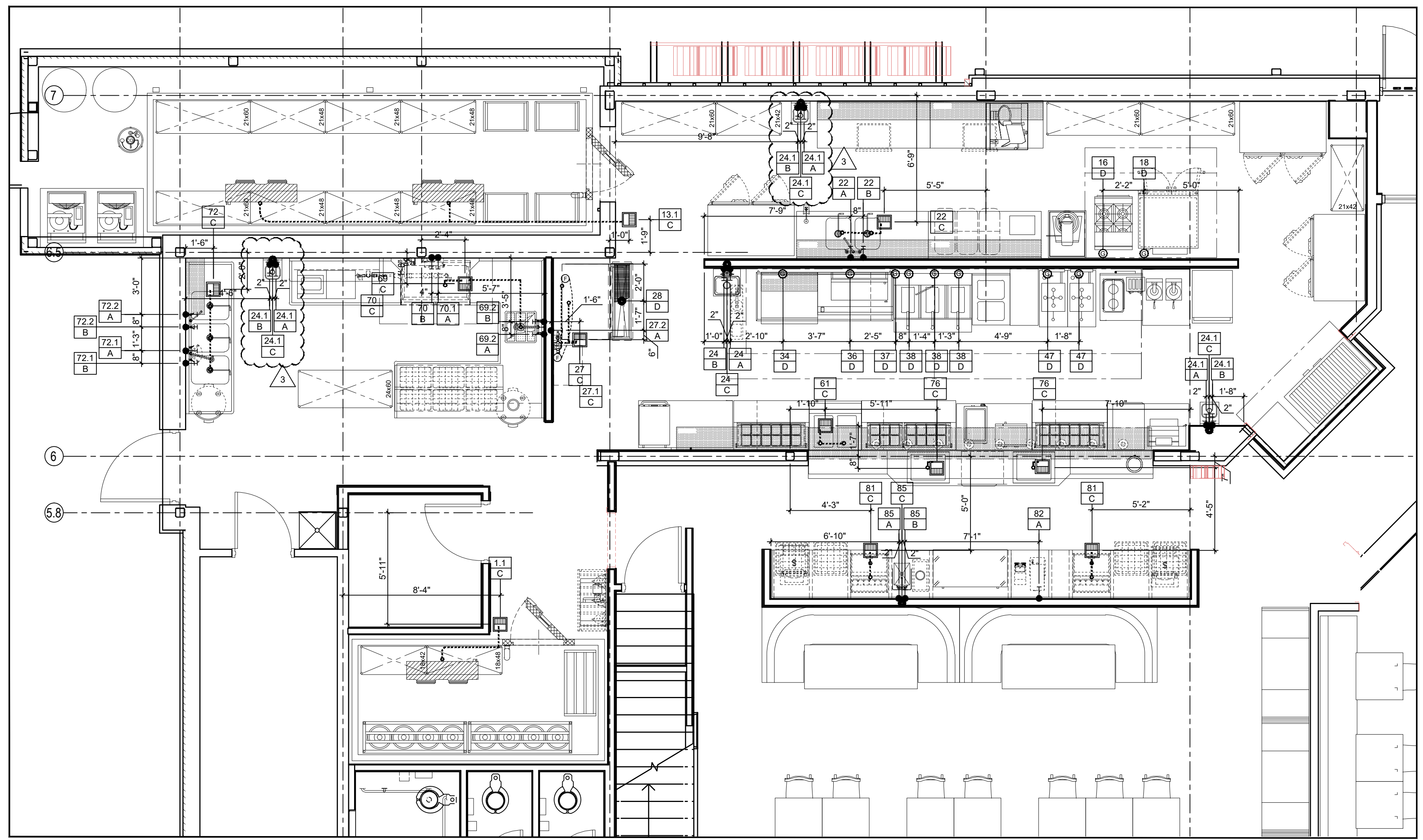
ELECTRICAL REQUIREMENTS PLAN

SHEET NUMBER:

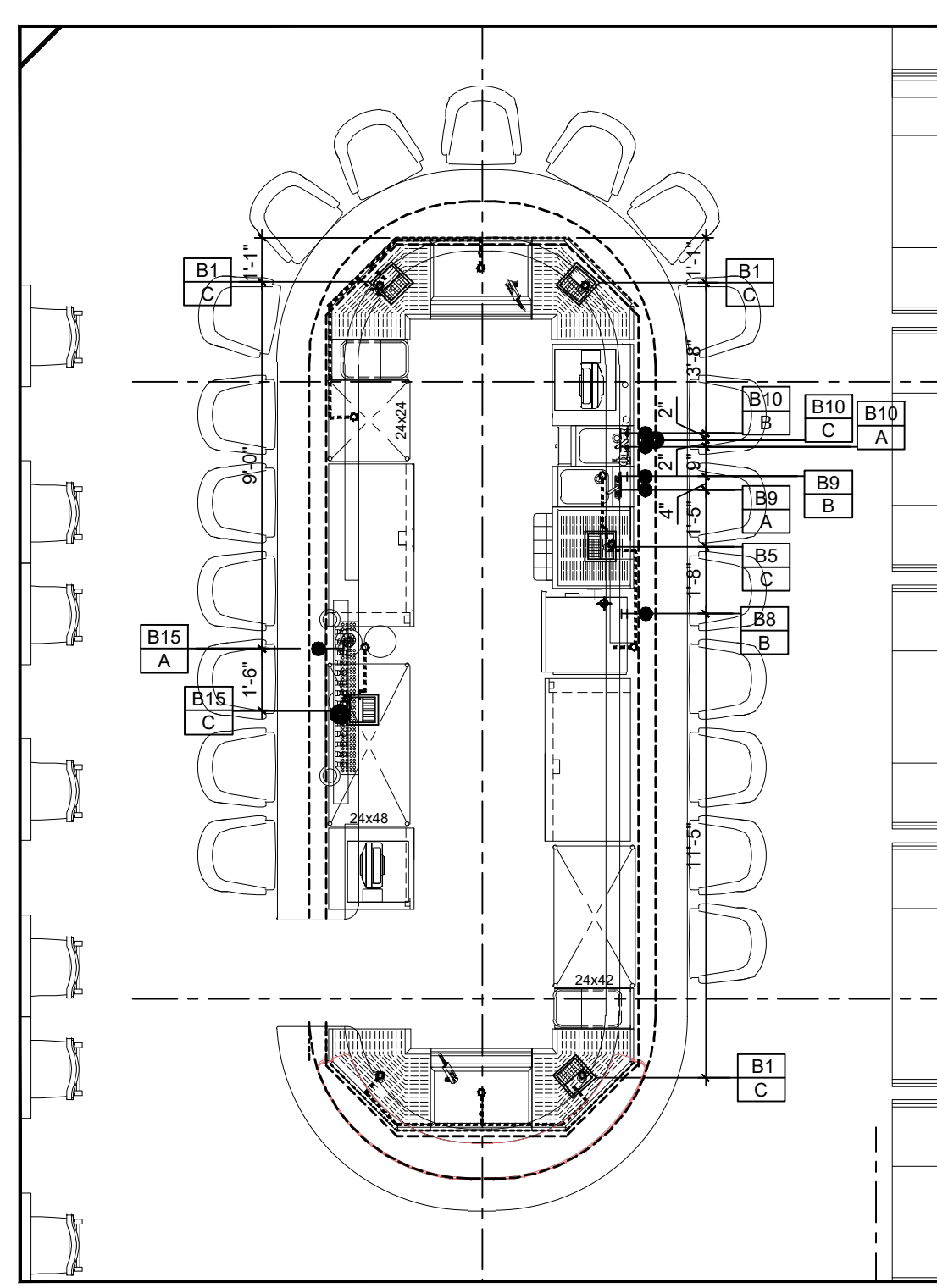
K-2

PRELIMINARY DRAWING

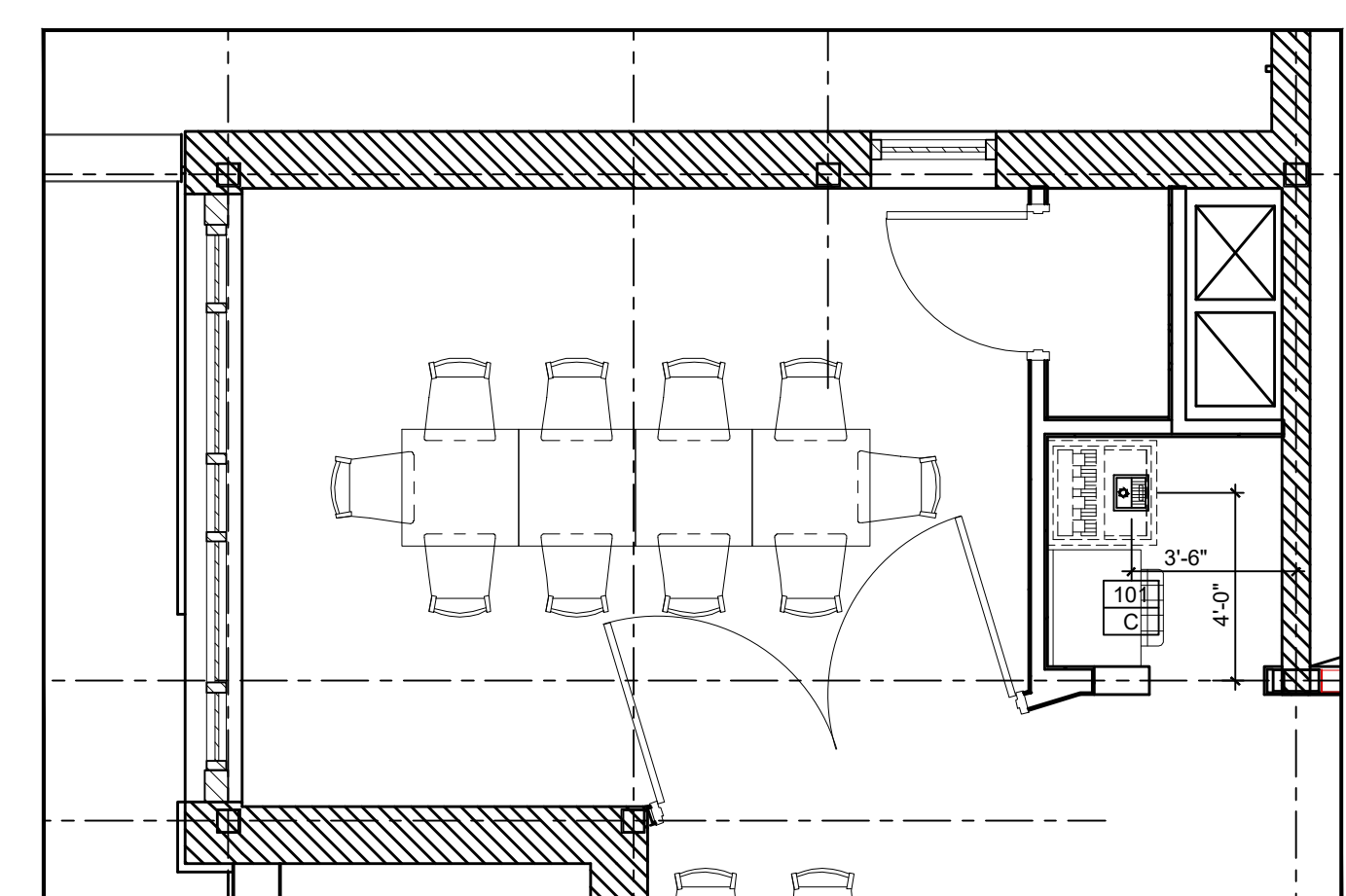
NOT TO BE USED FOR CONSTRUCTION



KITCHEN EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"



BAR EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"



MEZZANINE EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"

REMOTE COMPRESSORS & CONDENSING UNITS

THESE NOTES APPLY TO MULTI-SYSTEM COMPRESSOR RACKS AS WELL AS INDIVIDUAL COMPRESSORS AND CONDENSERS.

EXACT LOCATION OF COMPRESSORS ARE TO BE DETERMINED BY ARCHITECT. FREE & EASY ACCESS INTO AREA FOR COMPRESSORS MUST BE PROVIDED BY OTHERS. TO ALLOW PLACEMENT OF RACK AS WELL AS MAINTAIN MINIMUM CLEARANCE REQUIREMENTS.

SUFFICIENT AIR CHANGES MUST BE PROVIDED IN THIS AREA TO ALLOW ADEQUATE AIR CIRCULATION FOR WATER COOLED OR AIR COOLED COMPRESSORS.

STRUCTURAL SUPPORT AS WELL AS CURBS, PADS OR REDWOOD RAILS FOR COMPRESSORS, ON ROOF OR INSIDE STRUCTURE, TO BE PROVIDED BY OTHERS.

SEE MANUFACTURERS SHOP DRAWINGS FOR DETAILED REQUIREMENTS FOR CLEARANCE ACTUAL SIZES, MECHANICAL, PLUMBING & ELECTRICAL REQUIREMENTS. FOR WATER COOLED UNITS, STRICT ADHERENCE TO MANUFACTURERS REQUIREMENTS FOR MIN. MAX. WATER TEMP AND PRESSURE MUST BE MAINTAINED.

ASHRAE CALCULATIONS AND ANY RESULTING REQUIREMENTS FOR COMPRESSOR AREA, PIPING CHANGES AND FREON DETECTION SYSTEMS SHALL BE THE RESPONSIBILITY OF OTHERS.

ALL REFRIGERANT PIPING CHANGES AND BUILDING PENETRATIONS SHALL BE THE RESPONSIBILITY OF THE BUILDING TRADES AND TO COMPLY WITH ALL LOCAL CODES. EXACT LINE RUNS OF REFRIGERATION PIPING SHALL BE DETERMINED IN COORDINATION WITH THE REFRIGERATION INSTALLER.

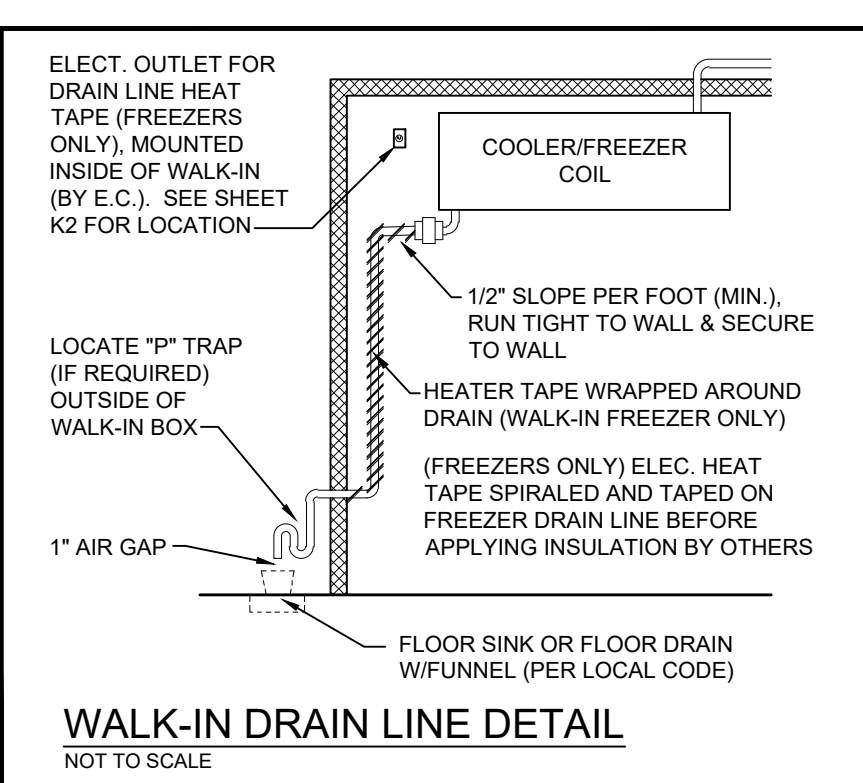
PLUMBING NOTE:
VERIFY ALL DETAILS WITH MANUFACTURERS LATEST SHOP DRAWINGS.

ALL ELECTRICAL DISCONNECTS TO BE PROVIDED BY OTHERS.

- PLUMBING NOTES**
- THESE DRAWINGS ARE TO BE USED AS AN INSTRUMENT OF REFERENCE BY ALL OTHER TRADES AND CONTRACTORS. ALL TRADES SHALL VERIFY THE INFORMATION AS INDICATED ON THESE PLANS.
 - DIMENSIONS AND REQUIREMENTS FOR ALL EQUIPMENT THAT IS LISTED AS EXISTING, PROVIDED BY OTHERS OR PROVIDED BY OWNER, MUST BE VERIFIED WITH THE APPROPRIATE PARTIES.
 - ALL LOCAL, STATE AND NATIONAL CODES SHALL APPLY.
 - THESE UTILITY REQUIREMENT DRAWINGS INDICATE THE UTILITY AND LOCATION OF REQUIREMENTS BASED ON THE EQUIPMENT SPECIFIED.
 - ALL EQUIPMENT SHALL BE PLUMBED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND/OR SHOP DRAWINGS.
 - UNLESS OTHERWISE NOTED, ALL DIMENSIONS SHOWN ON THIS PLAN ARE FROM THE FINISHED FLOOR, CEILING, WALLS OR COLUMN CENTERLINES TO THE CENTERLINE OF THE ROUGH-INS.
 - ALL FAUCETS, VALVES, DRAINS, ETC. SUPPLIED BY K.E.C. TO BE MOUNTED/INSTALLED BY P.C. ALL PLUMBING CONNECTIONS SHALL BE EXTENDED AND INTERCONNECTED TO CONNECTION POINTS ON THE EQUIPMENT BY P.C. UNLESS SPECIFIED, ALL HARDWARE REQUIRED FOR THESE CONNECTIONS SHALL BE SUPPLIED BY THE PLUMBING CONTRACTOR.
 - SURFACE MOUNTED PIPING WILL NOT BE ALLOWED. ALL PIPING SHALL BE EXTENDED THROUGH AND OUT OF BUILDING WALLS WHERE POSSIBLE. WHERE SURFACE MOUNTED PLUMBING IS UNAVOIDABLE, IT MUST BE COORDINATED WITH HOCKENBERGS.
 - ROUGH-INS OUT OF FLOOR SHOULD BE STUBBED UP 4" ABOVE FINISHED FLOOR AND BROUGHT TO THE REQUIRED HEIGHT AFTER EQUIPMENT IS SET IN PLACE.
 - ONLY COMPONENTS SUPPLIED STANDARD BY THE MANUFACTURER ARE INCLUDED. ALL HARDWARE REQUIRED FOR CONNECTIONS SHALL BE SUPPLIED BY THE PLUMBING CONTRACTOR. SUCH COMPONENTS INCLUDE BUT ARE NOT LIMITED TO, SHUT-OFFS, PRESSURE REGULATORS, VACUUM BREAKERS, P-TRAPS, BACKFLOW PREVENTERS, ETC.
 - PLUMBING CONTRACTOR TO VERIFY THAT ALL APPLIANCES ARE SUPPLIED WITH APPROPRIATE GAS PRESSURE AND THAT ANY VARIANCES IN GAS PRESSURE BE CLEARLY IDENTIFIED AND BROUGHT TO THE IMMEDIATE ATTENTION OF HOCKENBERGS.
 - ALL INDIRECT WASTE AND CONDENSATE DRAIN LINES SHALL BE CODES REQUIRE, BY OTHERS.
 - UNLESS OTHERWISE SPECIFIED, HOT WATER SUPPLIED TO BOOSTER HEATER SHALL BE A MINIMUM TEMPERATURE OF 140° F.
 - PLUMBING CONTRACTOR TO VERIFY WATER TEMPERATURE REQUIREMENTS FOR EACH PIECE OF EQUIPMENT. ANY DISCREPANCY BETWEEN MANUFACTURER'S REQUIREMENTS AND TEMPERATURES PROVIDED SHALL BE CLEARLY IDENTIFIED AND BROUGHT TO THE IMMEDIATE ATTENTION OF HOCKENBERGS.
 - PLUMBING CONTRACTOR TO PROVIDE INSULATED HOT WATER CONNECTIONS BETWEEN BOOSTER HEATER AND DISHWASHER.
 - UNLESS OTHERWISE SPECIFIED BY CODE, ALL DRAIN LINES FOR DISPOSERS SHALL BY-PASS GREASE INTERCEPTORS.
 - NO GENERAL PURPOSE FLOOR DRAINS ARE SHOWN ON THESE PLANS. THE SPECIFICATION OF THOSE DRAINS, AS WELL AS THE DESIGN FOR REQUIRED SLOPES IN THE FLOOR TO THOSE DRAINS, SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND/OR ENGINEERS.

PLUMBING SYMBOLS

ITEM NUMBER	CONNECTION NUMBER	PLUMBING ROUGH-IN NOTE (SEE SCHEDULE)
1	A	COLD WATER CONNECTION
2	B	HOT WATER CONNECTION
3	C	HOT WATER CONNECTION - 140° MINIMUM
4	D	FLOOR SINK
5	E	FLOOR SINK-HALF COVER
6	F	FLOOR DRAIN
7	G	FUNNEL FLOOR DRAIN
8	H	FILTERED COLD WATER
9	I	INDIRECT DRAIN
10	J	DIRECT DRAIN
11	K	GAS



PRELIMINARY DRAWING
NOT TO BE USED FOR CONSTRUCTION

TriMark
Foodservice Equipment, Supplies and Design
HOCKENBERGS

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Owner and all Contractors to check and verify existing dimensions and conditions in the field before starting construction and to notify TriMark of any material or detail changes.

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DATE	NO.	DESCRIPTION
1/20/21	-	PRELIM. EQ. LAYOUT
3/10/21	-	UPDATED EQ. LAYOUT
3/23/21	-	REV'D BEER COOLER LOC. & COMP. UNITS
5/10/21	3	HAND SINK REV'S PER HEALTH DEPT. REVIEW

RED DOOR GRILL
LEES SUMMIT, MO

Food Service Equipment

PROJECT NUMBER: 10-21004

DATE: 02/DD/2021

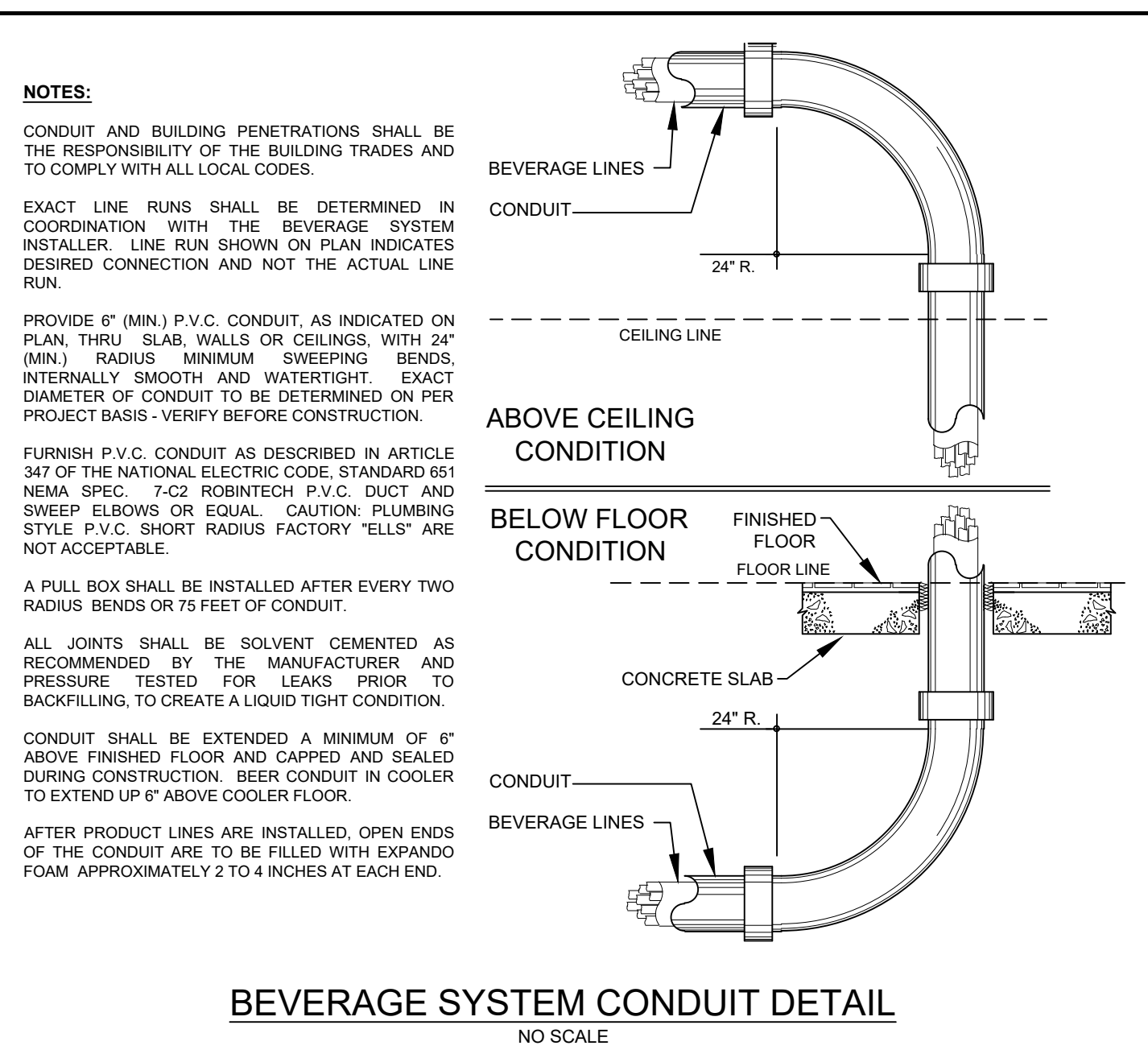
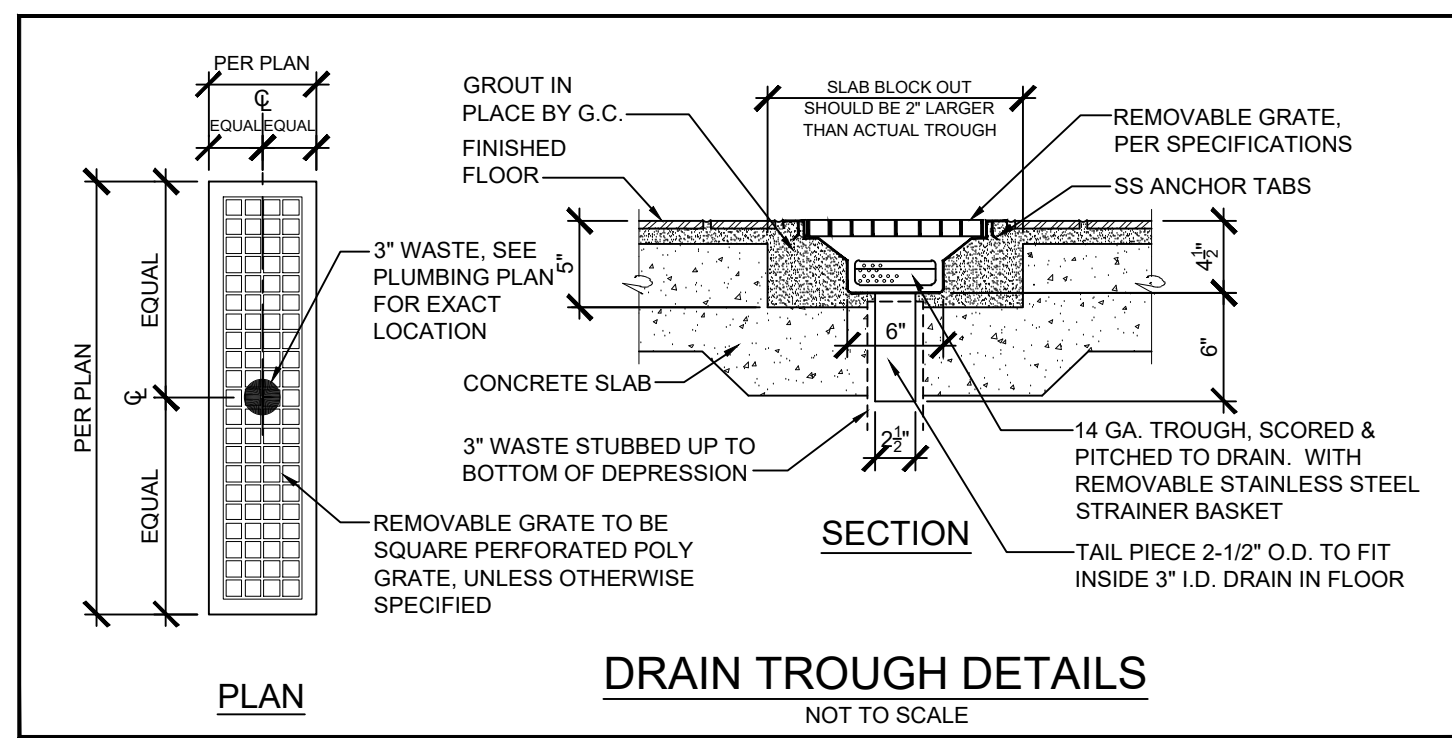
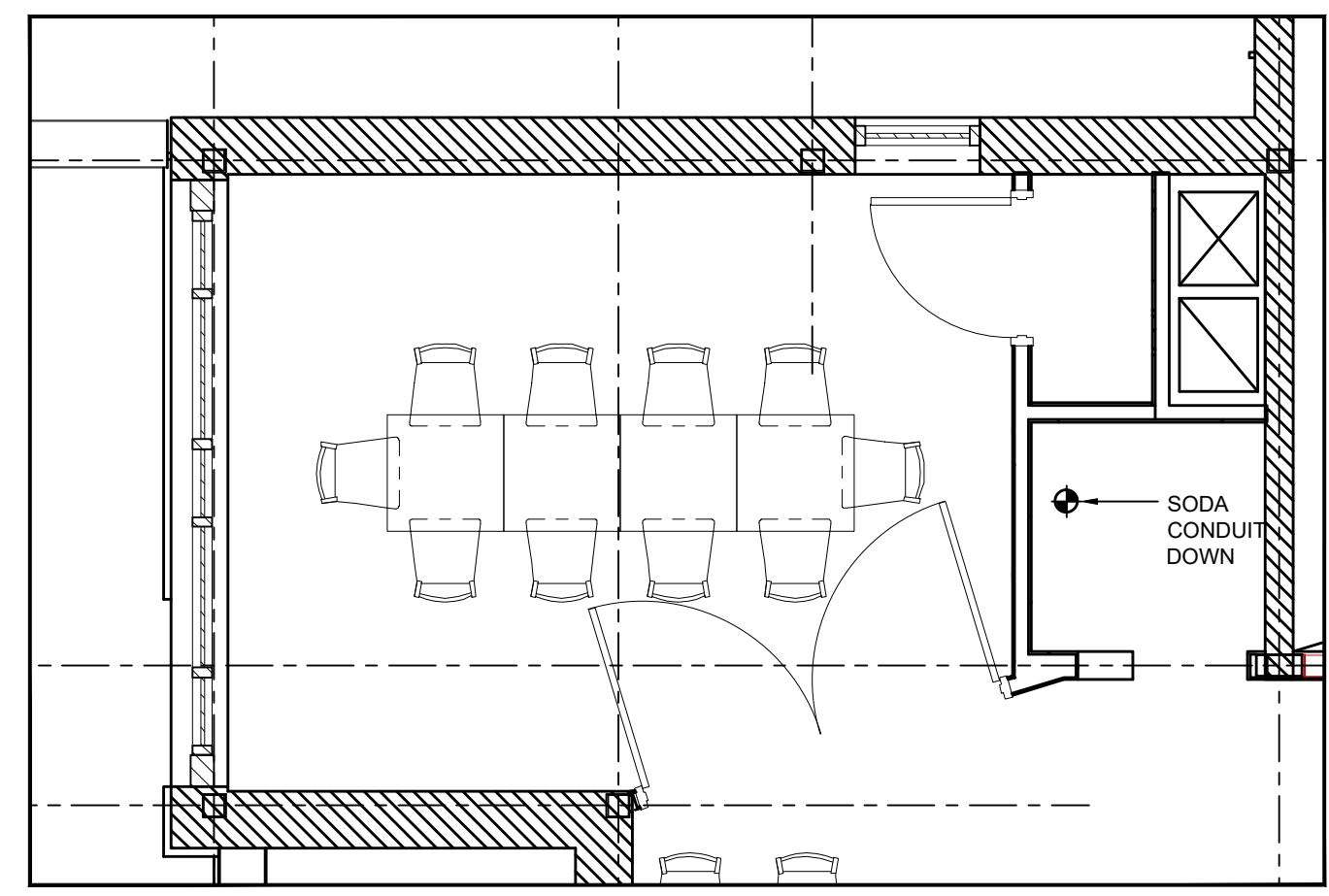
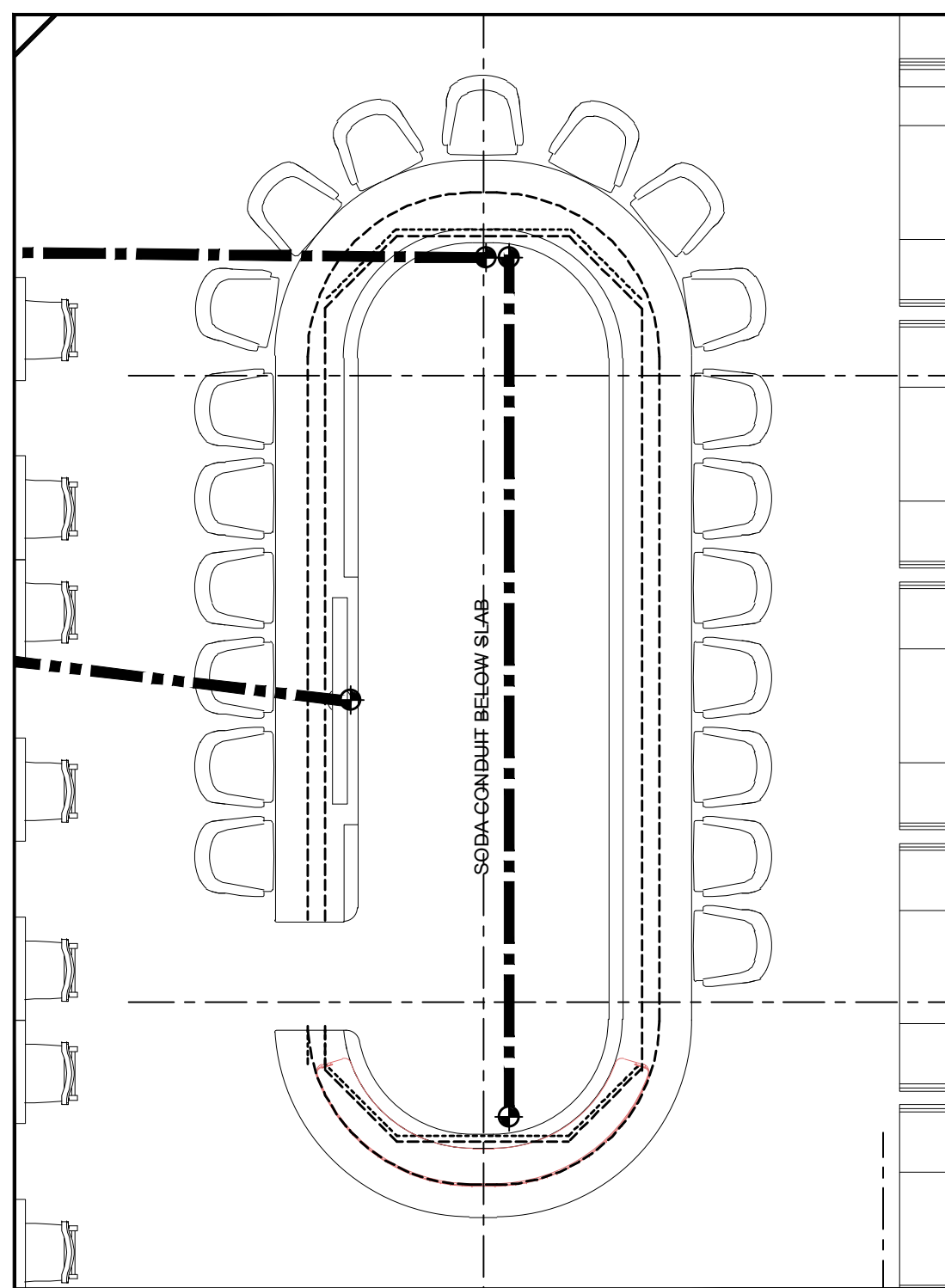
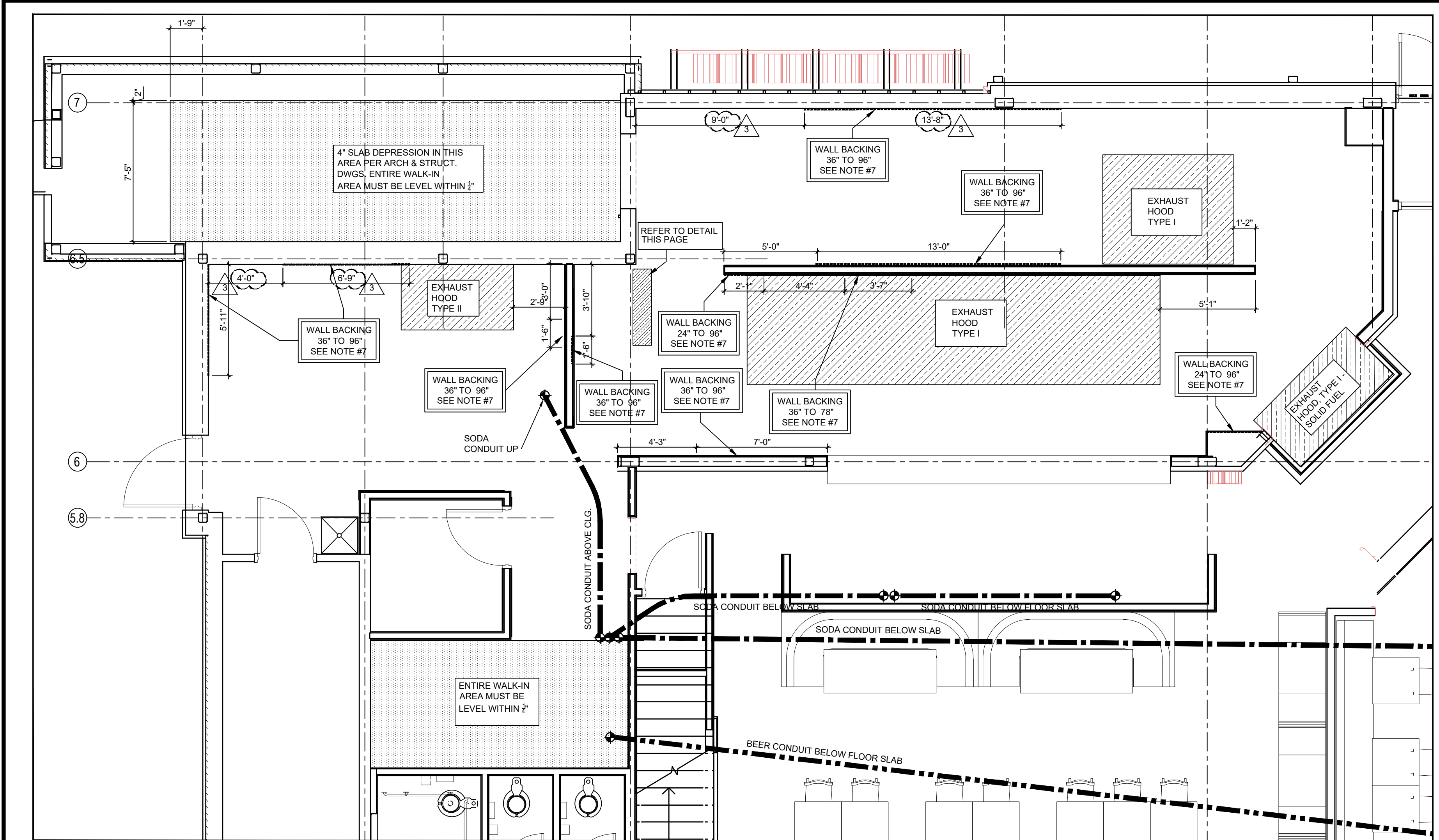
SCALE: AS NOTED

DRAWN BY: DRW APPROVED BY: JL

SHEET TITLE:
PLUMBING REQUIREMENTS PLAN

SHEET NUMBER:
K-3

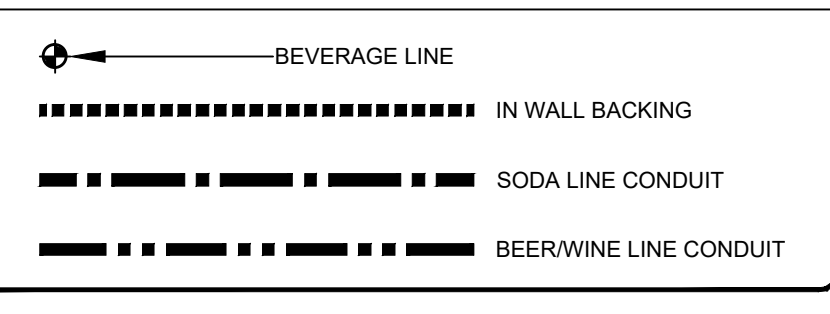
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GENERAL CONSTRUCTION NOTES

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- ALL LOCAL, STATE AND NATIONAL CODES SHALL APPLY.
- ARCHITECT TO LOCATE, GENERAL CONTRACTOR TO PROVIDE ALL OPENINGS IN WALLS, FLOORS, CEILING, AND ROOFS FOR THE EXTENSION OF REFRIGERATION LINES, BEVERAGE LINES, ELECTRICAL LINES, PLUMBING LINES, EXHAUST AND SUPPLY VENTILATION DUCTS, CURBS, PITCH POCKETS OR SPECIAL FINISHING FOR THESE OPENINGS SHALL BE SUPPLIED BY OTHERS.
- SUPPLY FANS TO BE LOCATED A MINIMUM OF 10'-0" FROM ANY AIR INLET OR OUTLET ON THE ROOF SUCH AS EXHAUST FANS, VENT STACKS, AIR CONDITIONERS, REFRIGERATION COMPRESSORS, ETC.
- ALL INFORMATION PROVIDED FOR FOOD SERVICE HOOD SYSTEMS PERTAINING TO QUANTITY, SIZE AND LOCATION OF EXHAUST AND SUPPLY DUCT COLLARS, CFM RATINGS AND STATIC PRESSURE MUST BE CONFIRMED WITH THE MANUFACTURER'S APPROVED SHOP DRAWINGS.
- GENERAL CONTRACTOR TO PROVIDE 3/4" PLYWOOD WALL BACKING ON WALLS FOR WALL MOUNTED EQUIPMENT. ALTERNATIVE FOR PLYWOOD MUST BE USED UNDER HOODS AND AT FIRE RATED WALLS PER LOCAL CODES. ALL WALL BACKING MUST BE BEHIND WALL FINISH. NO EXPOSED WALL BACKING SHALL BE ALLOWED. LOCATION AND HEIGHT TO BE COORDINATED WITH MANUFACTURER'S SHOP DRAWINGS AND SPECIFICATION SHEETS.
- PROVIDE COVERED BASES AT ALL VERTICAL INTERSECTIONS OF FLOORS IN KITCHEN AND STORAGE AREAS.
- ALL HVAC REGISTERS ARE TO BE LOCATED SO AS TO PREVENT ANY INTERFERENCE IN PERFORMANCE OF EXHAUST HOODS, HEATERS OR WARMERS.
- BOTTOM OF HOODS ARE TO BE MOUNTED AT 6'-6" ABOVE FINISHED FLOOR, UNLESS OTHERWISE SPECIFIED BY LOCAL CODES.
- RECOMMENDED CEILING HEIGHTS ARE LISTED BELOW. CONTACT HOCKENBERGS IMMEDIATELY IF MINIMUM HEIGHTS ARE LESS THAN THOSE INDICATED:
A. KITCHEN AREAS WITH EXHAUST HOODS: 8'-6"
B. KITCHEN AREAS WITH WALK-IN COOLER/FREEZERS: 9'-6"
C. KITCHEN AREAS WITH ICE MACHINES &/OR COMPRESSORS: 9'-0"
D. GENERAL KITCHEN AREAS: 8'-0"
- REMOTE CONDENSING UNITS & COMPRESSOR UNITS ARE TO BE LOCATED OUTSIDE WHERE POSSIBLE. FOR INSIDE LOCATIONS, VERIFY PROVISION OF SUFFICIENT VENTILATION WITH MANUFACTURER. ARCHITECT TO LOCATE ALL REMOTE COMPRESSORS AND CONDENSERS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

GENERAL CONSTRUCTION & BUILDING WORKS LEGEND



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SCALE:	AS NOTED
DRAWN BY:	APPROVED BY:
DRW	JL

BUILDING WORKS PLAN

SHEET NUMBER:
K-4

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