

CODE ANALYSIS

BUILDING DATA
OCCUPANT TYPE: A-2 RESTAURANT
CONSTRUCTION TYPE: V-B SPRINKLERED
PROPOSED NUMBER OF FLOORS AND BUILDING HEIGHT: 1 STORY, 27'-6"
ALLOWED NUMBER OF FLOORS AND BUILDING HEIGHT: 2 STORIES, 60'
PROPOSED BUILDING AREA: 11, 932 SQ FT
ALLOWED BUILDING AREA: 24,000 SQ FT

APPLICABLE CODES
2018 INTERNATIONAL BUILDING CODE
2017 NATIONAL ELECTRICAL CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 UNIFORM PLUMBING CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2018 INTERNATIONAL FIRE CODE
ICC/ANSI A 11.1-2009

APPLICABLE CODES: ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE SPECIFICATIONS AND DRAWINGS, AND SHALL SATISFY ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS OF ALL GOVERNING BODIES INVOLVED. ALL PERMITS AND LICENSES NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHALL BE PROCURED AND PAID FOR BY THE CONTRACTOR INVOLVED. APPLICABLE CODES INCLUDE BUT ARE NOT LIMITED TO THE PREVIOUS MENTIONED.

EGRESS CALCULATIONS								
ROOM NAME	OCCUPANCY TYPE	AREA / IBC LOAD FACTOR	OCCUPANTS	CODE DESCRIPTION	EXITS		EGRESS WIDTH	
					REQ'D	PROVIDED	REQ'D	PROVIDED
TENANT 100	N/A	3,394 / N/A	N/A	2 EXITS REQ'D, PER IBC SECTION 1006.3.2	2	3	N/A	140"
TENANT 101	N/A	3,356 / N/A	N/A	2 EXITS REQ'D, PER IBC SECTION 1006.3.2	2	3	N/A	172.5"
RISER ROOM 102	N/A	46 / N/A	N/A	1 EXIT REQ'D.	1	1	N/A	34.5"

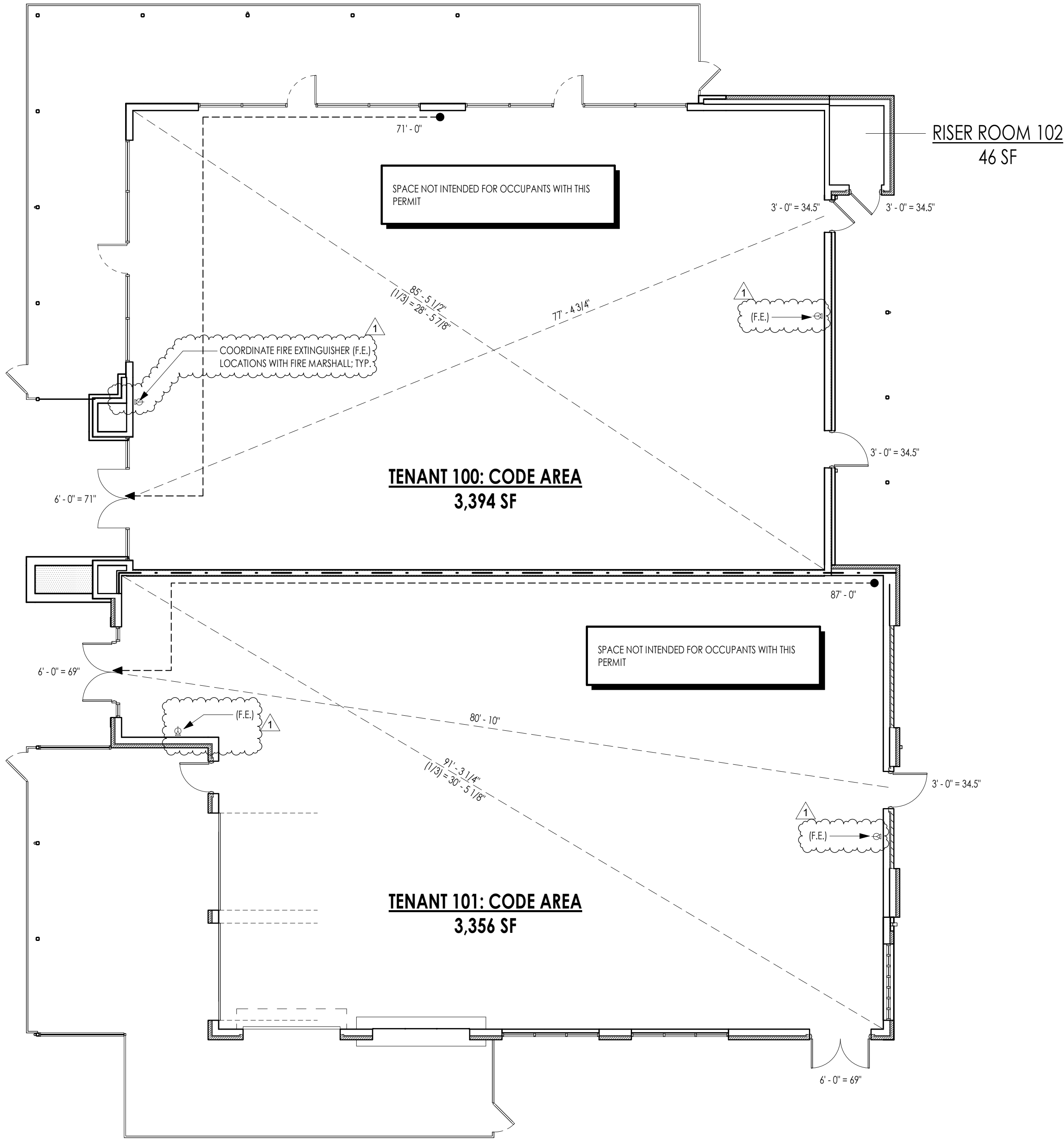
* ACCURATE LOAD CALCULATIONS TO BE DONE AT TIME OF TENANT IMPROVEMENT DRAWINGS

CODE SYMBOLS:

--- 1-HR SEPARATION - UL U30S

---> PATH OF TRAVEL

DOOR SIZE = EGRESS WIDTH



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project title

LOT 12 OF WEST PRYOR
NW PRYOR RD AND
HIGHWAY 470
LEE'S SUMMIT, MO 64081

project number

22902.001

drawing issuance

PERMIT

1/10/23

drawing revisions

No.

Description:

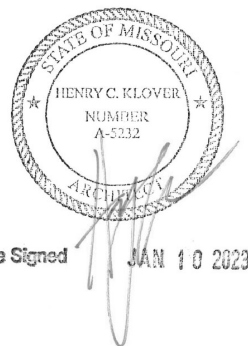
Date:

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REV 1

1/10/23

professional seal



DATE SIGNED: 1/11/2023 9:11:37 AM

drawing title

CODE PLAN

drawing number

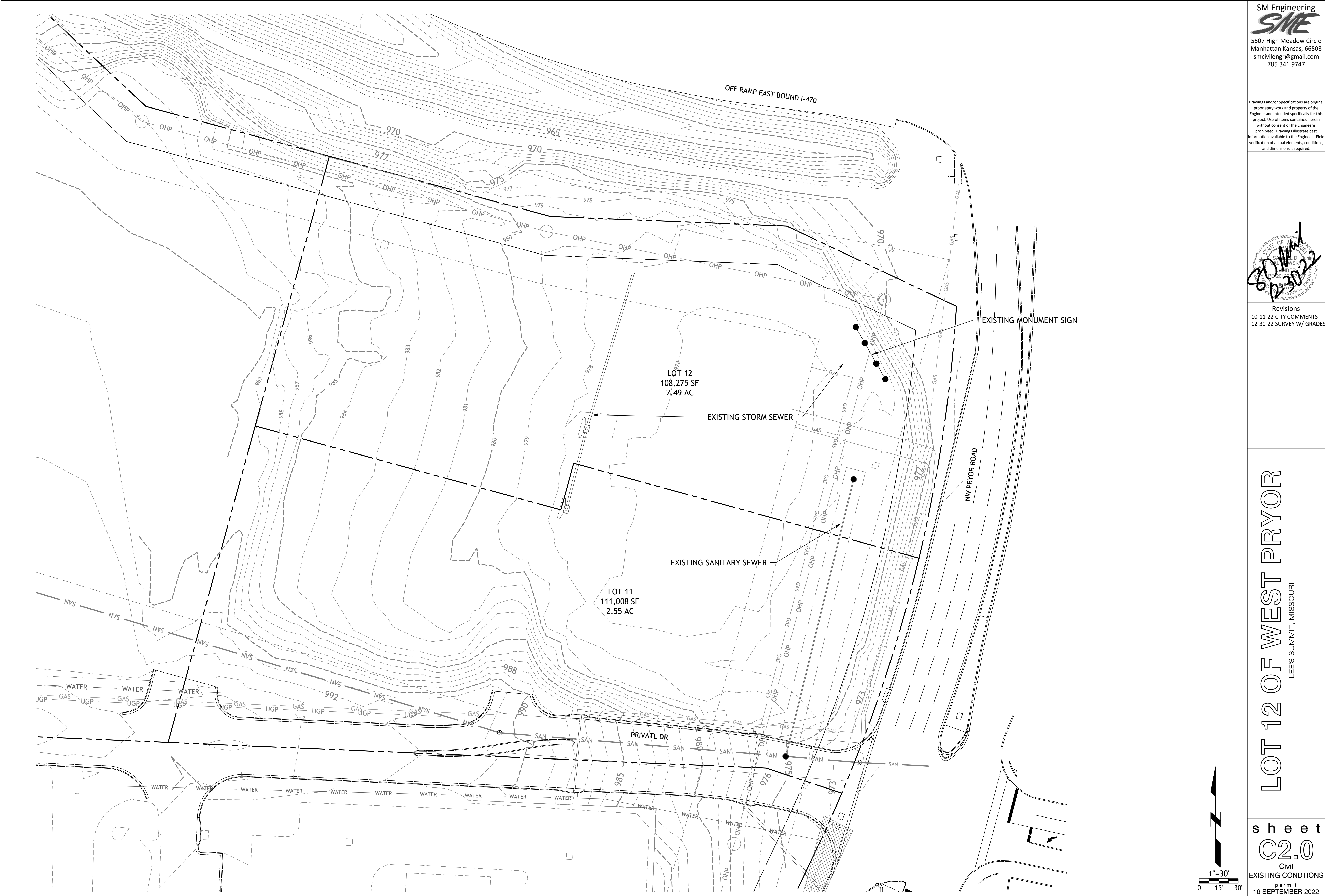
G100



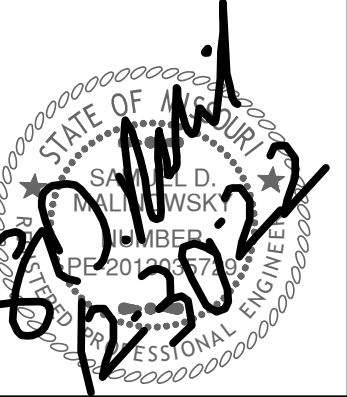
CODE PLAN

SCALE: 1/8" = 1'-0"

1

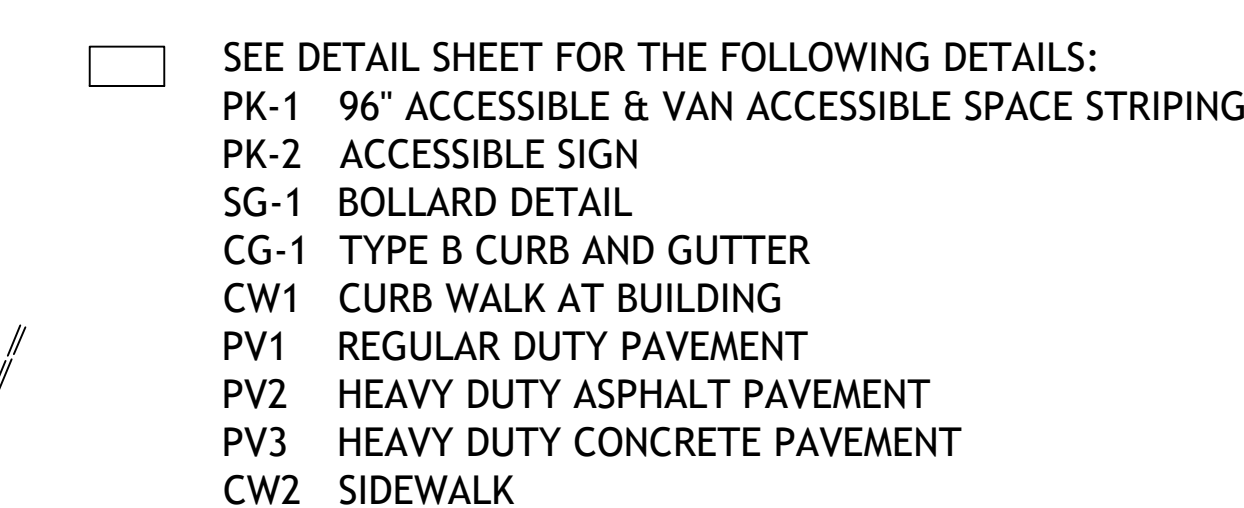


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Revisions
10-11-22 CITY COMMENTS
12-30-22 SURVEY W/ GRADES

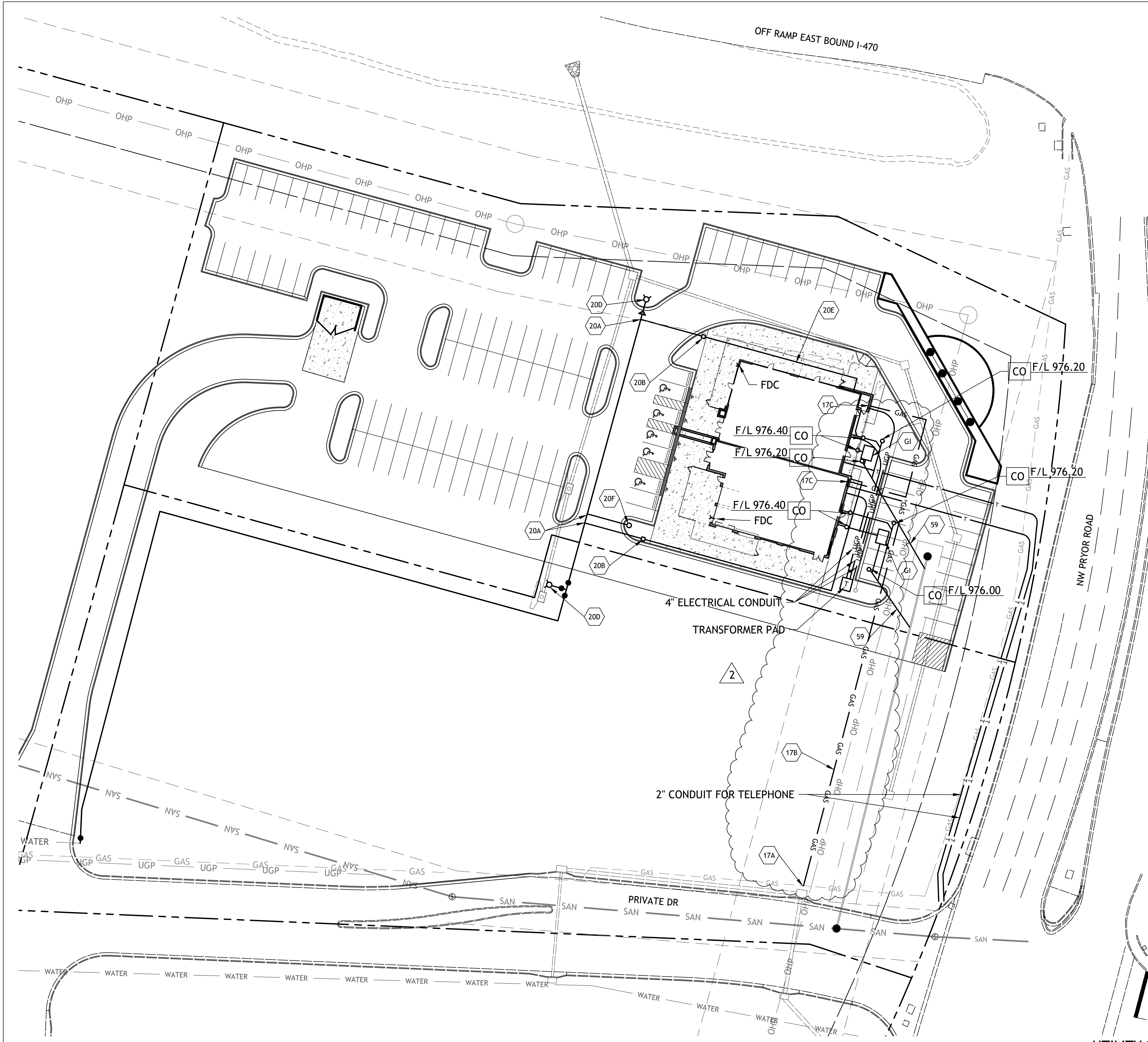
LOT 12 OF WEST PRYOR
LEES SUMMIT, MISSOURI



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.

sheet
C3.0
Civil
SITE PLAN
permit
16 SEPTEMBER 2022



UTILITY NOTES:

1. ALL UTILITY AND STORM SEWER TRENCHES CONSTRUCTED UNDER AREAS THAT RECEIVE PAYING 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 LEE'S SUMMIT 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 10' BEYOND METER AND EITHER TYPE "K" OR POLYETHYLENE PLASTIC TUBING (PE 3608) TO STOP AND WASTE VALVE INSIDE BUILDING.
10. CONTRACTOR RESPONSIBLE FOR PROVIDING CASEMENT FOR ELECTRICAL SERVICE PER KCP&L
11. SANITARY SEWER SERVICE CONNECTIONS WILL BE MADE WITH A CUT IN WYE

DETAILS

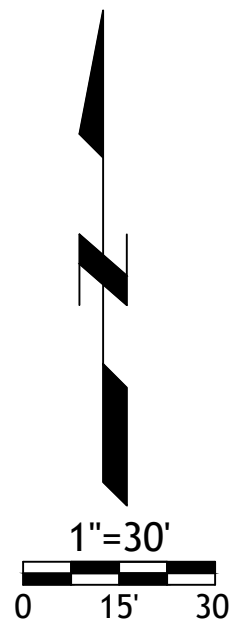
- MS1 TRENCH AND BEDDING DETAILS
- SS2 2-WAY CLEAN-OUT
- WAT-11 WATER SERVICE CONNECTION
- WAT-7 FIRE HYDRANT
- CO CLEANOUT
- GI GREASE INTERCEPTOR (1500 GAL)

NOTES

- 17A POINT OF GAS CONNECTION
- 17B GAS SERVICE LINE
- 17C GAS METER
- 20A POINT OF CONNECTION - WATER SERVICE
- 20B 1" TAP AND METER WITH 1.5" SERVICE LINE
- 20C 8" C-900 WATERLINE
- 20D FIRE HYDRANT ASSEMBLY
- 59 4" SANITARY SEWER SERVICE LINE-SDR-26 PVC
- 20E 6" FIRE SERVICE LINE
- 20F 1" TAP AND METER FOR IRRIGATION

UTILITY STATEMENT:

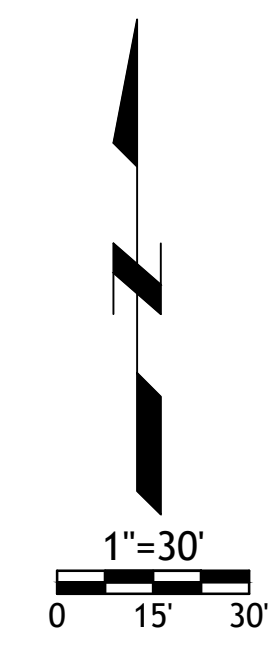
THE UNDERGROUND UTILITIES SHOWN HEREON ARE FROM FIELD SURVEY INFORMATION OF ONE-CALL LOCATED UTILITIES, FIELD SURVEY INFORMATION OF ABOVE GROUND OBSERVABLE EVIDENCE, AND/OR THE SCALING AND PLOTTING OF EXISTING UTILITY MAPS AND DRAWINGS AVAILABLE TO THE SURVEYOR AT THE TIME OF SURVEY. THE SURVEYOR MAKES 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.





- GRADING NOTES:**
1. 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.
 2. 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.
 3. 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.
 4. CONTRACTOR SHALL USE SILT FENCE OR OTHER MEANS OF CONTROLLING EROSION ALONG THE EDGE OF THE PROPERTY OR OTHER BOTTOM OF SLOPE LOCATIONS.
 5. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS.
 6. 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.
 7. 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.
 8. PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURE OR TO END OF END SECTIONS.
 9. 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.
 10. ALL CONSTRUCTION TRAFFIC, TEMPORARY TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHALL CONFORM TO REQUIREMENTS OF THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 11. CONTRACTOR TO PLACE 8" LOW PERMEABILITY LVC FOR BUILDING PAD
 12. CONTRACTOR TO CONSTRUCT THROATS TO CURB INLETS.

2 REVISED BASE FILE



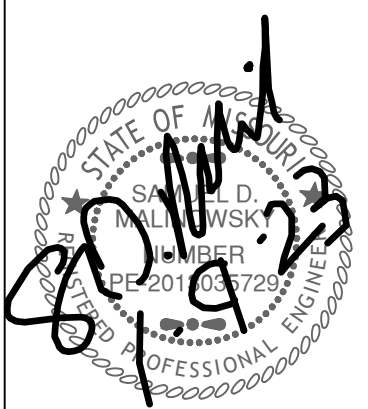
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Revisions
10-11-22 CITY COMMENTS
1-9-23 SURVEY W/ GRADES
1-11-23 GAS SERVICE LINE

LOT 12 OF WEST PRYOR
LEE'S SUMMIT, MISSOURI

sheet
C7.0
Civil
GRADING PLAN
permit
16 SEPTEMBER 2022



Revisions
10-11-22 CITY COMMENTS
1-9-23 SURVEY W/ GRADES

LOT 12 OF WEST PRYOR
LEES SUMMIT, MISSOURI

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Civil
EROSION CONTROL
PLAN
16 SEPTEMBER 2022

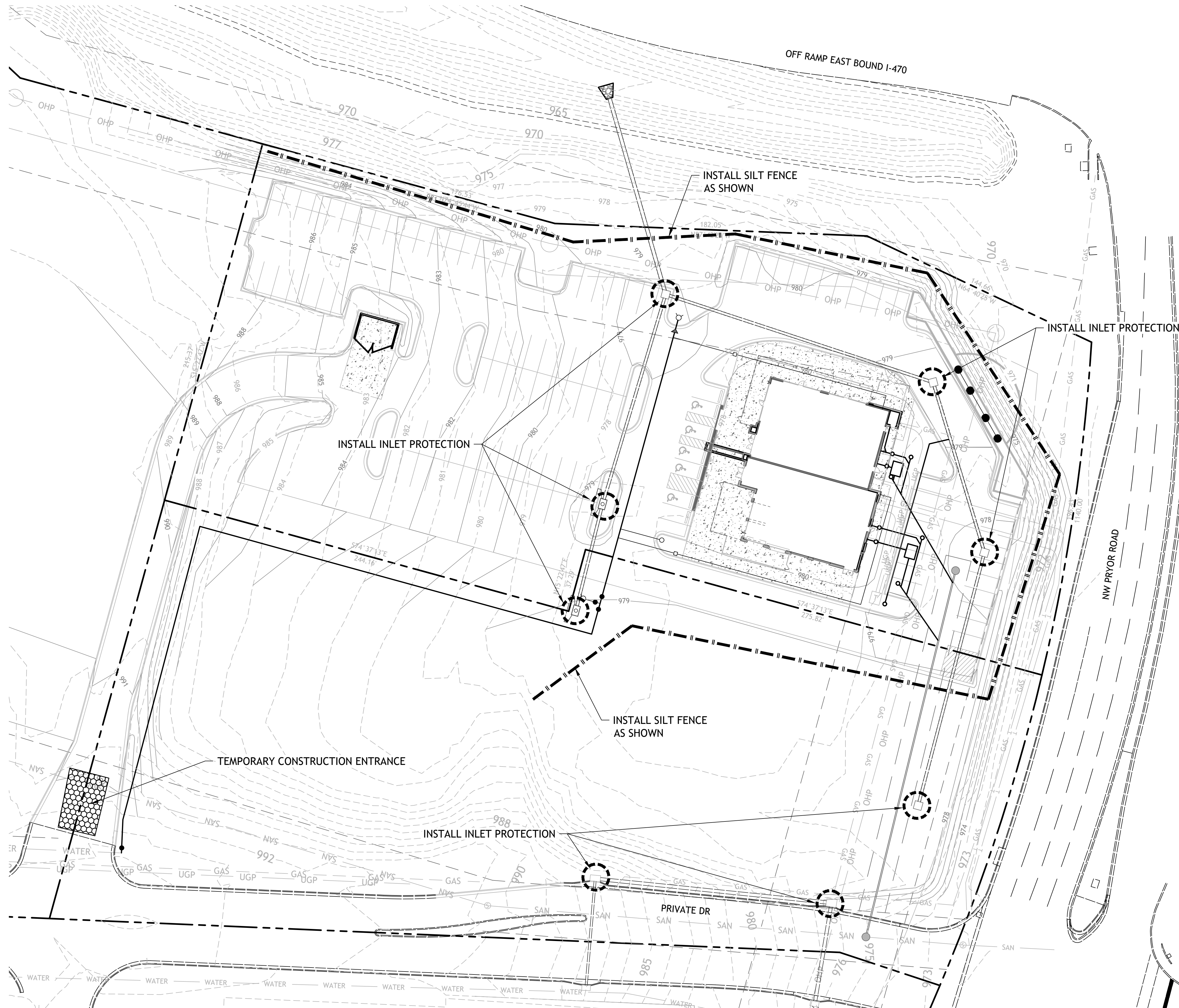
NOTES:

- 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

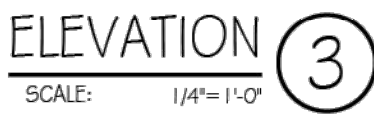
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STATE OF MISSOURI
SAMUEL D. WSK
NUMBER
PE 201303529
PROFESSIONAL ENGINEER
9-22

LOT 12 OF WEST PRYOR
LEE'S SUMMIT, MISSOURI

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C13.0
Civil
DETAILS
permit
6 SEPTEMBER 2022



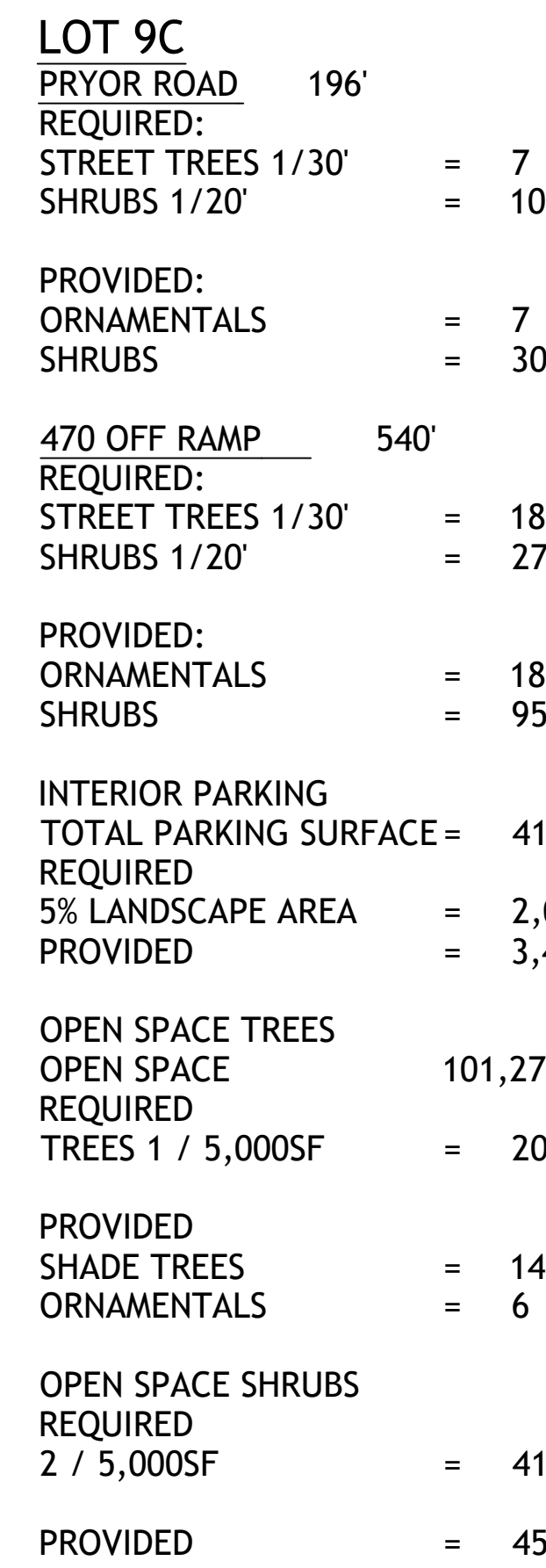
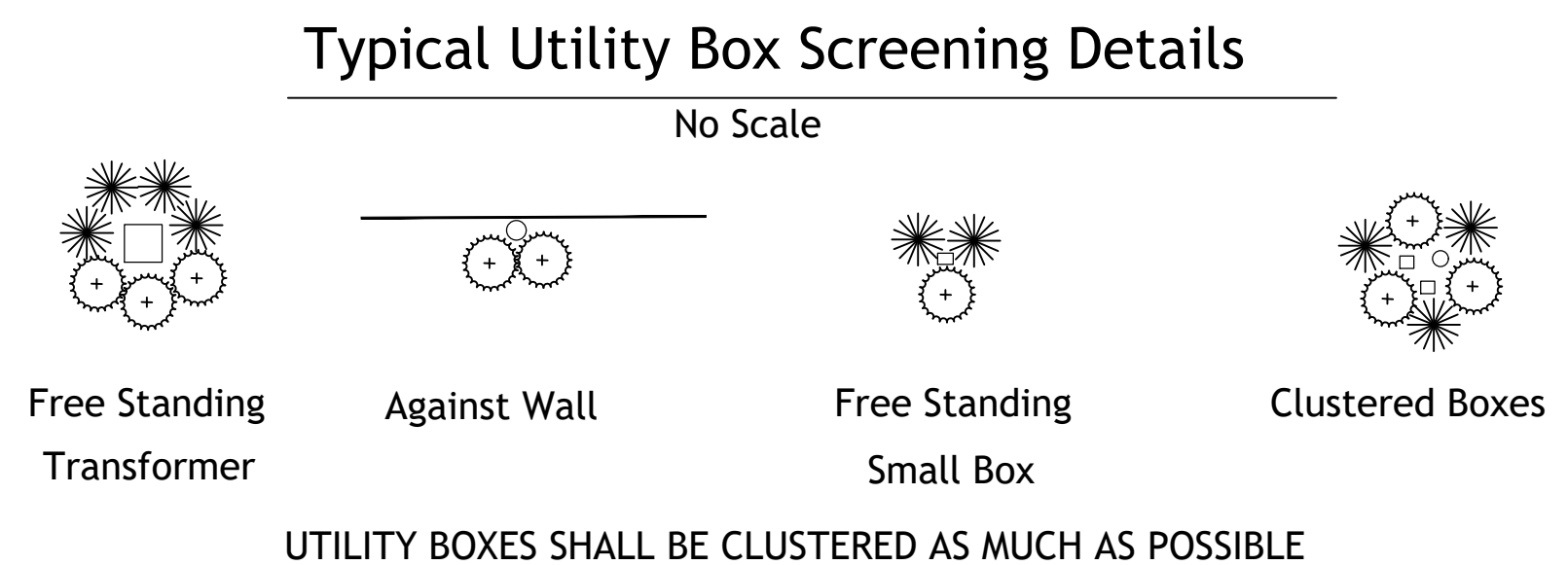
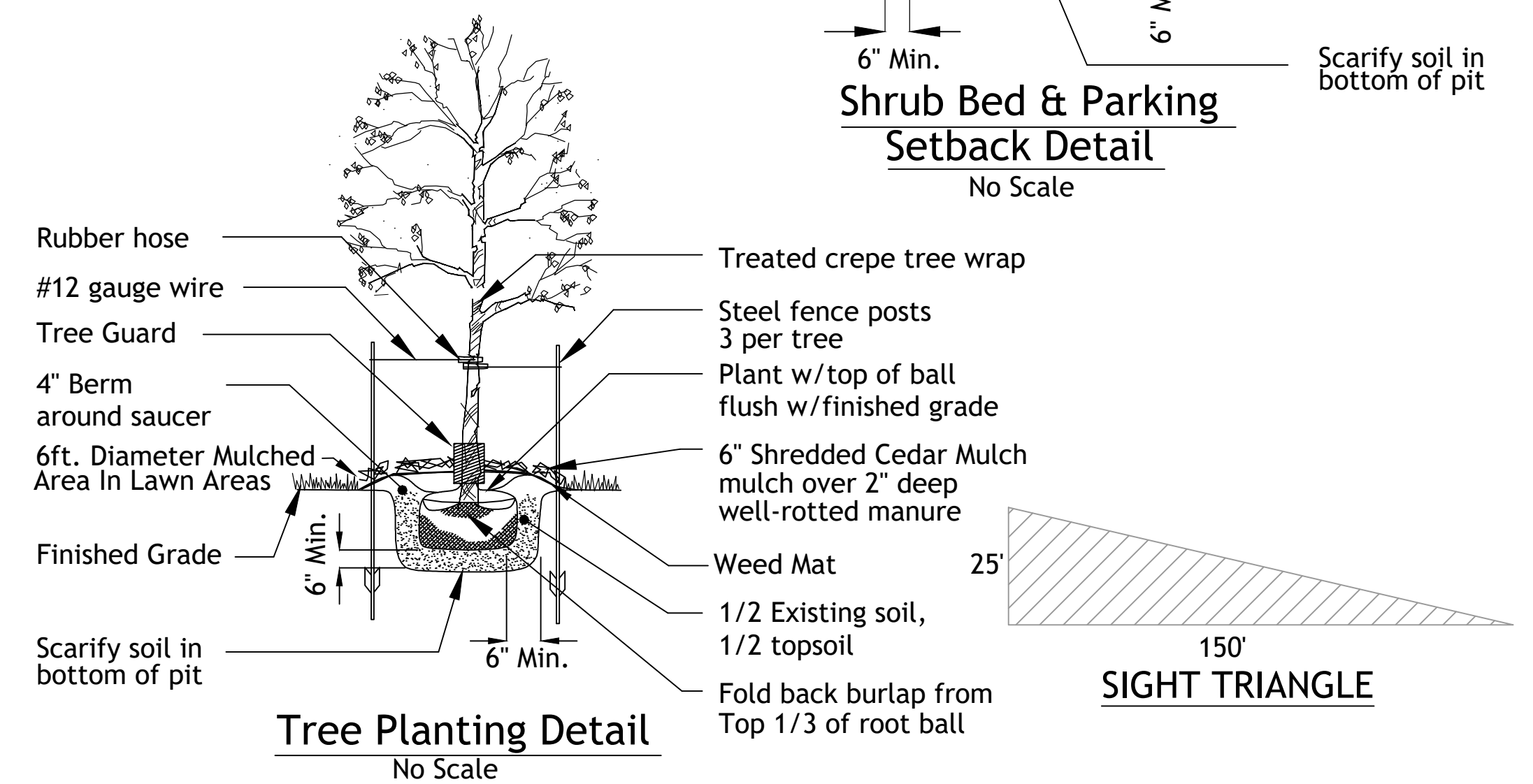

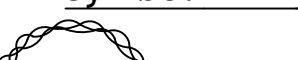
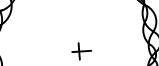

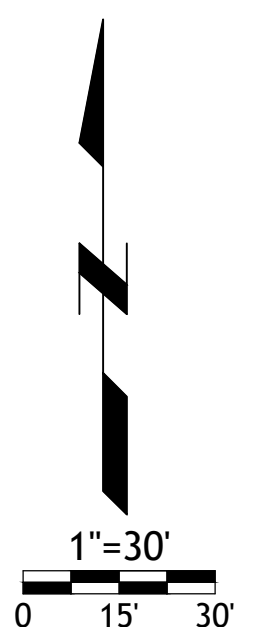


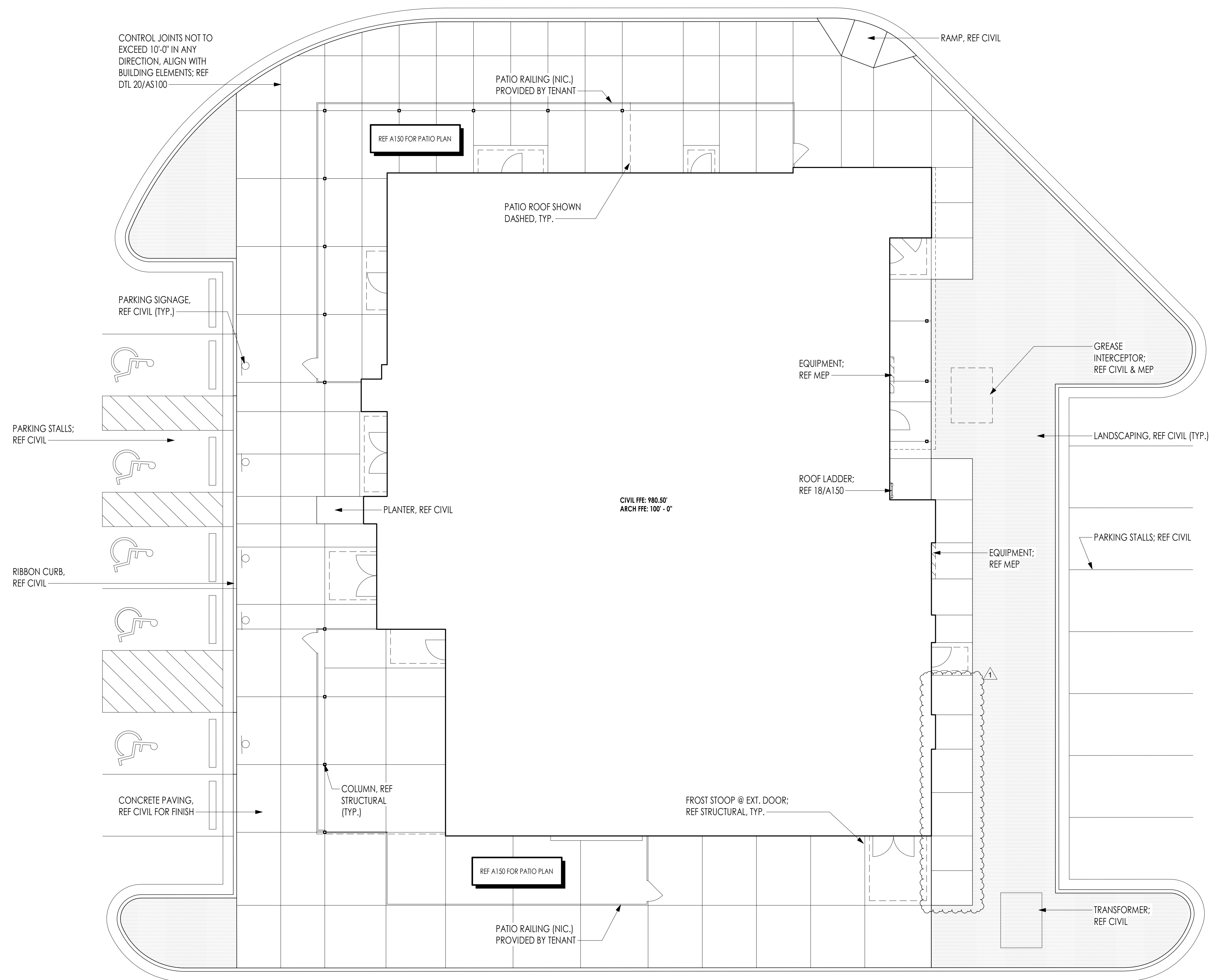
Diagram illustrating the installation of a shrub bed:

- 4' Min. (Width of the bed)
- Center of Shrub
- 6" Min. (Depth of the bed)
- 6" Min. (Distance from Fence to the edge of the bed)
- Labels for layers (from bottom to top):
 - Scarify soil in bottom of pit
 - 6" Shredded Cedar Mulch
 - 1/2 existing soil, 1/2 topsoil
 - Weed Mat
- Manicured Edge
- Shrub Bed & Parking



Tree List						
Symbol	Quantity	Common Name	Botanical Name	Size	Condition	Spacing
	6	October Glory Maple	Acer Rubrum 'October Glory'	3" cal	BB	As Shown
	13	Skyline Honeylocust	Gleditsia Triacanthos 'Skyline'	3" cal	BB	As Shown
	14	Golden Raintree	Koelreuteria Paniculata	3" cal	BB	As Shown
	17	Prairiefire Crabapple	Malus Sp. 'Priariefire'	3" cal	BB	As Shown







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project title

LOT 12 OF WEST PRYOR
NW PRYOR RD AND
HIGHWAY 470
LEE'S SUMMIT, MO 64081

project number

729(2.0)

drawing issuance

PERMIT

09/20/2

drawing revisions

No.

description

Date:

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REV 1

1/10/23

professional seal



DATE SIGNED: 1/11/2023 9:11:04 AM

drawing title

FLOOR PLAN

drawing number

A 1

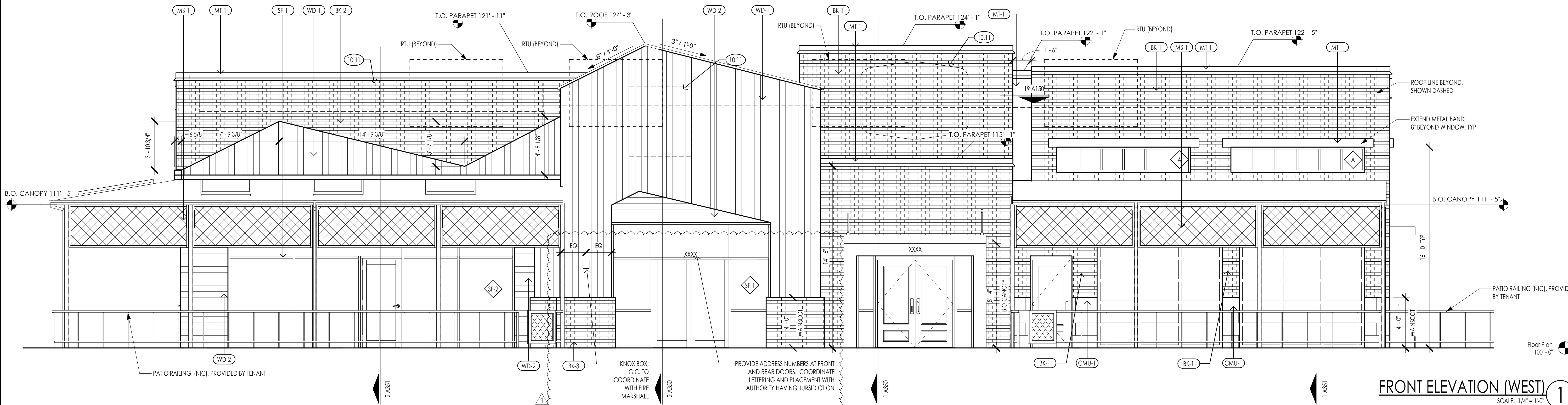
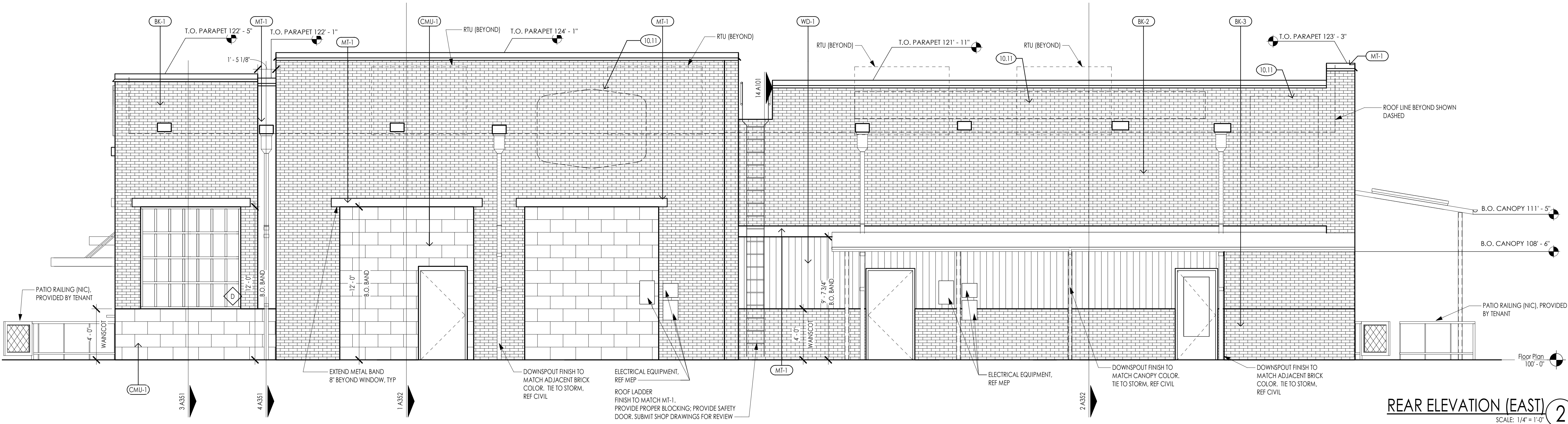
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EXTERIOR FINISH LEGEND				
MARK	DESCRIPTION	MANUFACTURER	MODEL/COLOR	COMMENTS
BK-1	FULL BRICK	INTERSTATE BRICK	90% WILLOW CREEK, 5% UTAH, AND 5% LEWISTON	
BK-2	FULL BRICK	ACME BRICK	COVENTRY COTTAGE	
BK-3	FULL BRICK	INTERSTATE BRICK	COAL	MODULAR 4 X 2 1/4 X 8
CMU-1	CONCRETE MASONRY UNIT	INTERSTATE BRICK	PLATINUM	SUPER EMPEROR 4 X 8 X 16
CP-1	METAL COPING	FIRESTONE METAL PRODUCTS	TRICORN BLACK	SHEETMETAL PARAPET COPING AND CLEAT
MS-1	MESH SCREEN			4X4 POWDER COATED WIRE MESH
MT-1	METAL PANEL	LAWRENCE FABRIC AND METAL STRUCTURES	PREFINISHED TRICORN BLACK	
PL-1	PLASTIC SCREEN	FENETEX	CLEAR WEATHER CURTAINS	
SF-1	STOREFRONT	TBD	PREFINISHED TRICORN BLACK	
WD-1	VERTICAL WOOD SIDING	BINGHAM	RECLAIMED FADED RED BARNBOARD	CLEAR SEAL AND DYNA SEAL
WD-2	HORIZONTAL WOOD SIDING	BINGHAM	RECLAIMED BROWN BARNBOARD	CLEAR SEAL AND DYNA SEAL

SHEET NOTES
1. ALL EXPOSED MTL TO BE HOT DIP GALV & PAINTED TO MATCH ADJ. MATERIAL UNO.
2. ALL MATERIALS SHOWN ON ELEVATIONS RETURN BEYOND, UNO.
3. ALL EXPOSED UTILITIES AND ASSOCIATED CONDUITS OR RUNS SHOULD BE PAINTED TO MATCH ADJACENT BUILDING COLOR.
4. PROVIDE A WEATHER PROOF ENCLOSURE FOR ALL CANOPY LIGHT FIXTURES ANCHORED AND SEALED WEATHER TIGHT TO CANOPY.

DIV 10 - SPECIALTIES

10.11 TYPICAL SIGNAGE (NIC) - PROVIDE PLYWD BACKING & ELEC POWER CONNECTION



project title

LOT 12 OF WEST PRYOR
NW PRYOR RD AND
HIGHWAY 470
LEE'S SUMMIT, MO 64081

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22992.001

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09/16/22

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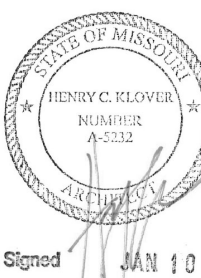
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1/10/23

professional seal



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drawing title

EXTERIOR ELEVATIONS

drawing number

A200

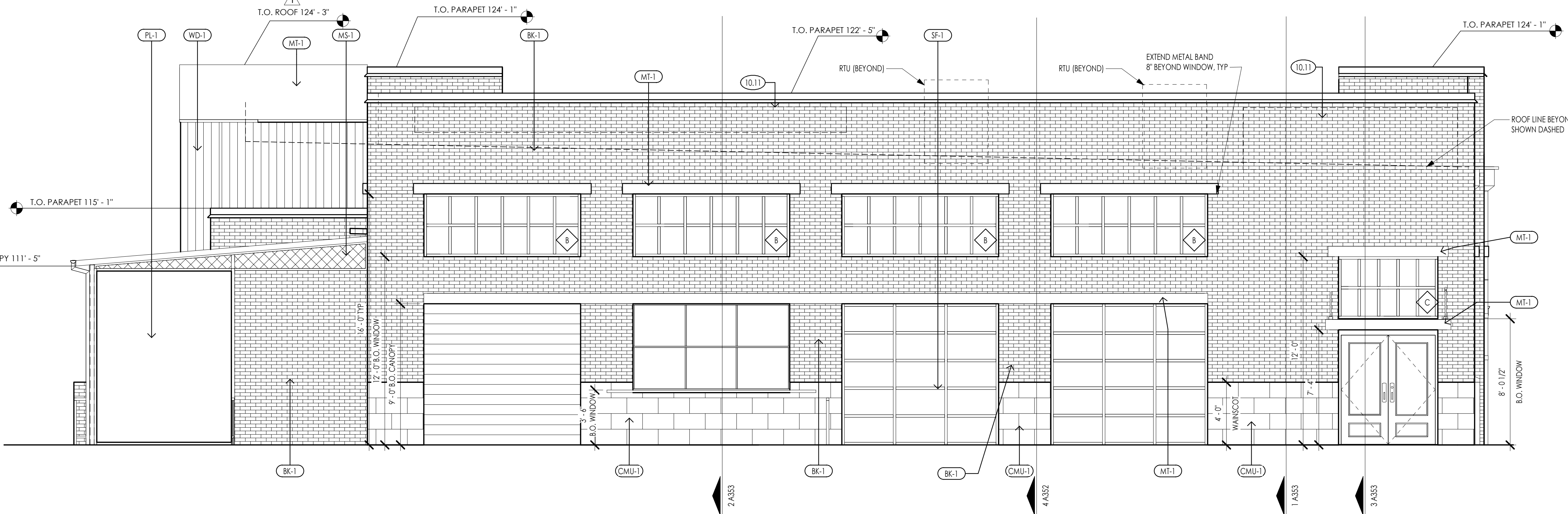
EXTERIOR FINISH LEGEND				
MARK	DESCRIPTION	MANUFACTURER	MODEL/COLOR	COMMENTS
BK-1	FULL BRICK	INTERSTATE BRICK	90% WILLOW CREEK, 5% UINTAH, AND 5% LEWISTON	
BK-2	FULL BRICK	ACME BRICK	COVENTRY COTTAGE	
BK-3	FULL BRICK	INTERSTATE BRICK	COAL	MODULAR 4 X 2 1/4 X 8
CMU-1	CONCRETE MASONRY UNIT	INTERSTATE BRICK	PLATINUM	SUPER EMPEROR 4 X 8 X 16
CP-1	METAL COPING	FIRESTONE METAL PRODUCTS	TRICORN BLACK	SHEETMETAL PARAPET COPING AND CLEAT
MS-1	MESH SCREEN	---	BLACK	4X4 POWDER COATED WIRE MESH
MT-1	METAL PANEL	LAWRENCE FABRIC AND METAL STRUCTURES	PREFINISHED TRICORN BLACK	
PL-1	PLASTIC SCREEN	FENETEX	CLEAR WEATHER CURTAINS	
SF-1	STOREFRONT	TBD	PREFINISHED TRICORN BLACK	
WD-1	VERTICAL WOOD SIDING	BINGHAM	RECLAIMED FADED RED BARNBOARD	CLEAR SEAL AND DYNA SEAL
WD-2	HORIZONTAL WOOD SIDING	BINGHAM	RECLAIMED BROWN BARNBOARD	CLEAR SEAL AND DYNA SEAL

DIV 10 - SPECIALTIES

10.11 TYPICAL SIGNAGE (NIC) - PROVIDE PLYWD BACKING & ELEC POWER CONNECTION



MURAL BY OTHERS

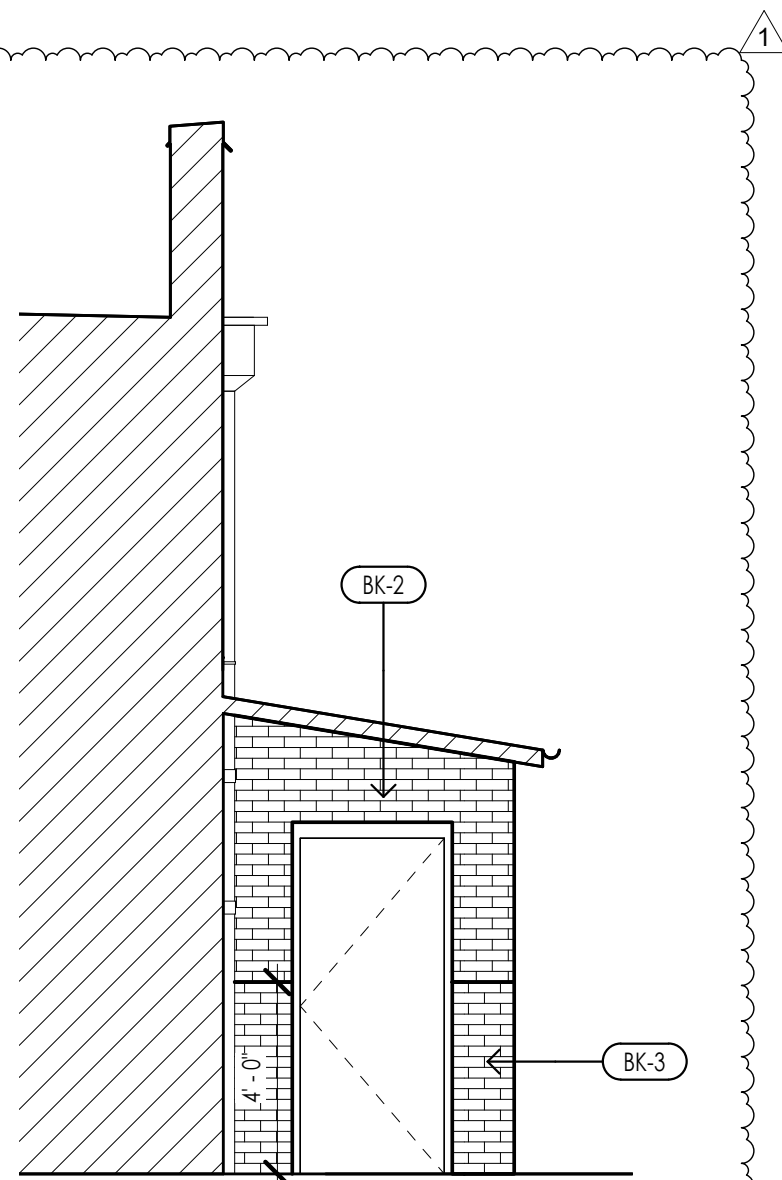


NORTH ELEVATION MURAL
SCALE: 1/4" = 1'-0"

3

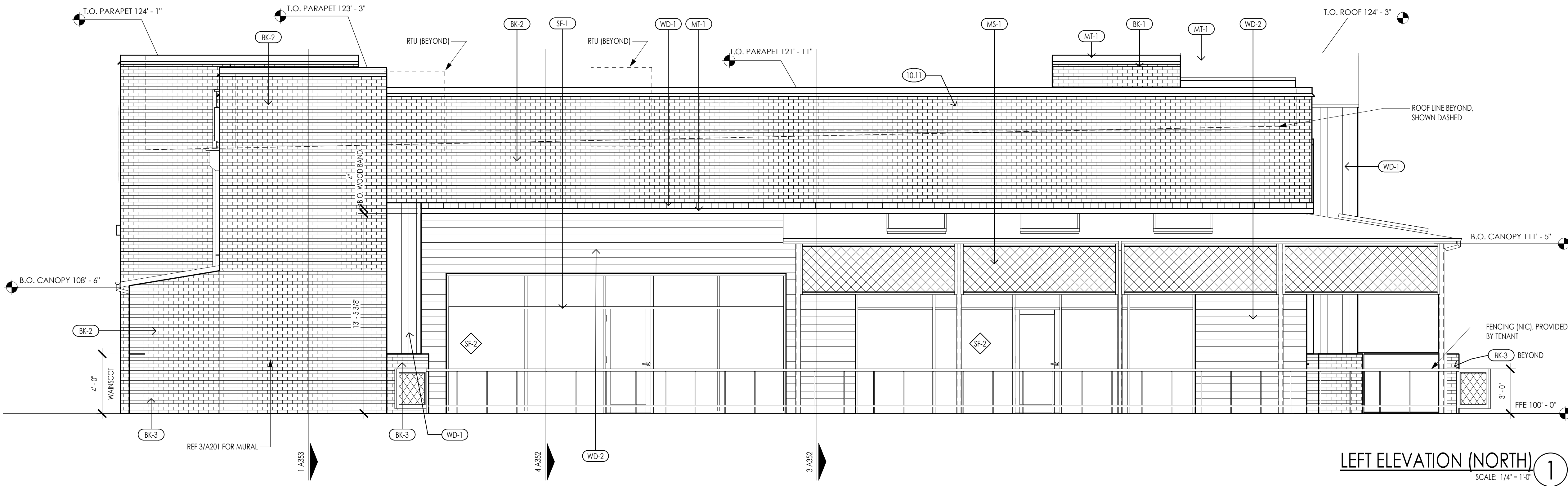
RIGHT ELEVATION (SOUTH)
SCALE: 1/4" = 1'-0"

2



RISER ROOM EXT. ELEVATION
SCALE: 1/4" = 1'-0"

4



LEFT ELEVATION (NORTH)
SCALE: 1/4" = 1'-0"

1

project title

LOT 12 OF WEST PRYOR
NW PRYOR RD AND
HIGHWAY 470
LEE'S SUMMIT, MO 64081

project number

22902.001

drawing issuance

PERMIT

09/16/22

drawing revisions

No.

Description

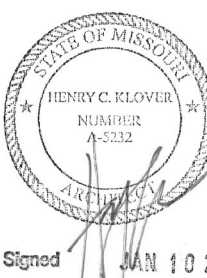
Date

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1/10/23

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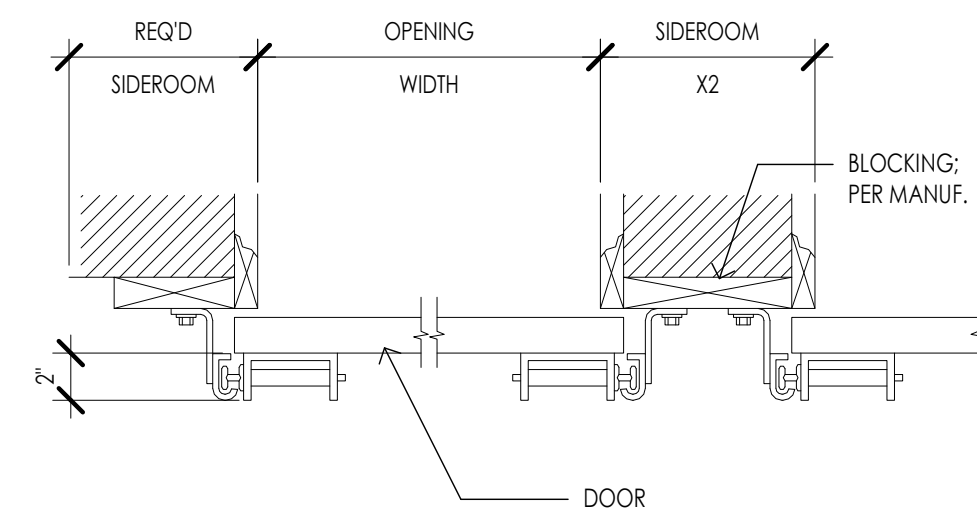
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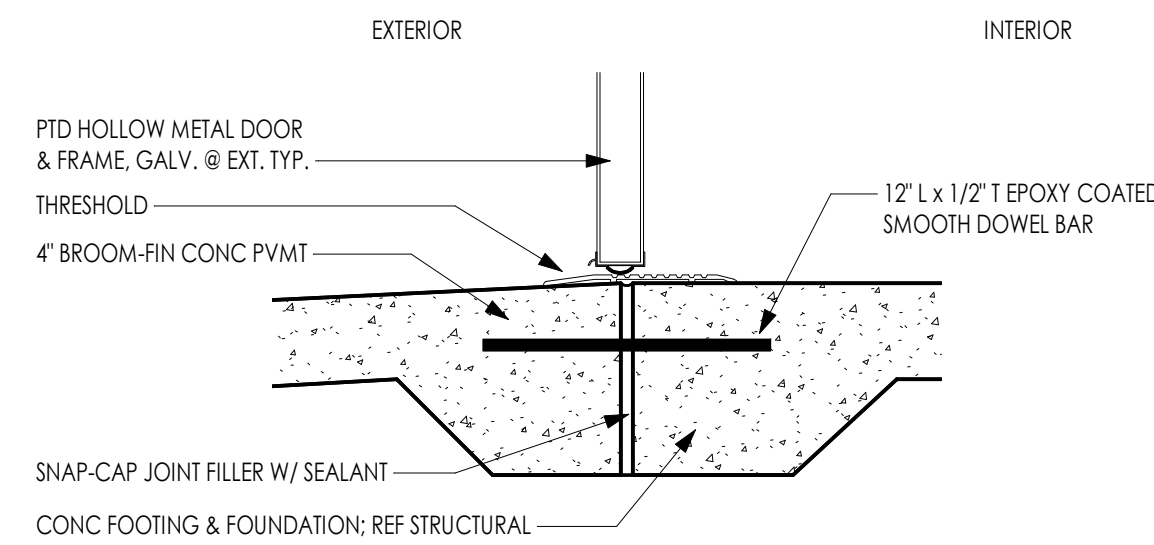
EXTERIOR ELEVATIONS

drawing number

A201



OVERHEAD DOOR JAMB 4



FRAME TYPES 7
SCALE: 3/8" = 1'-0"

DOOR THRESHOLD

SCALE: 1 1/2" = 1'-0"

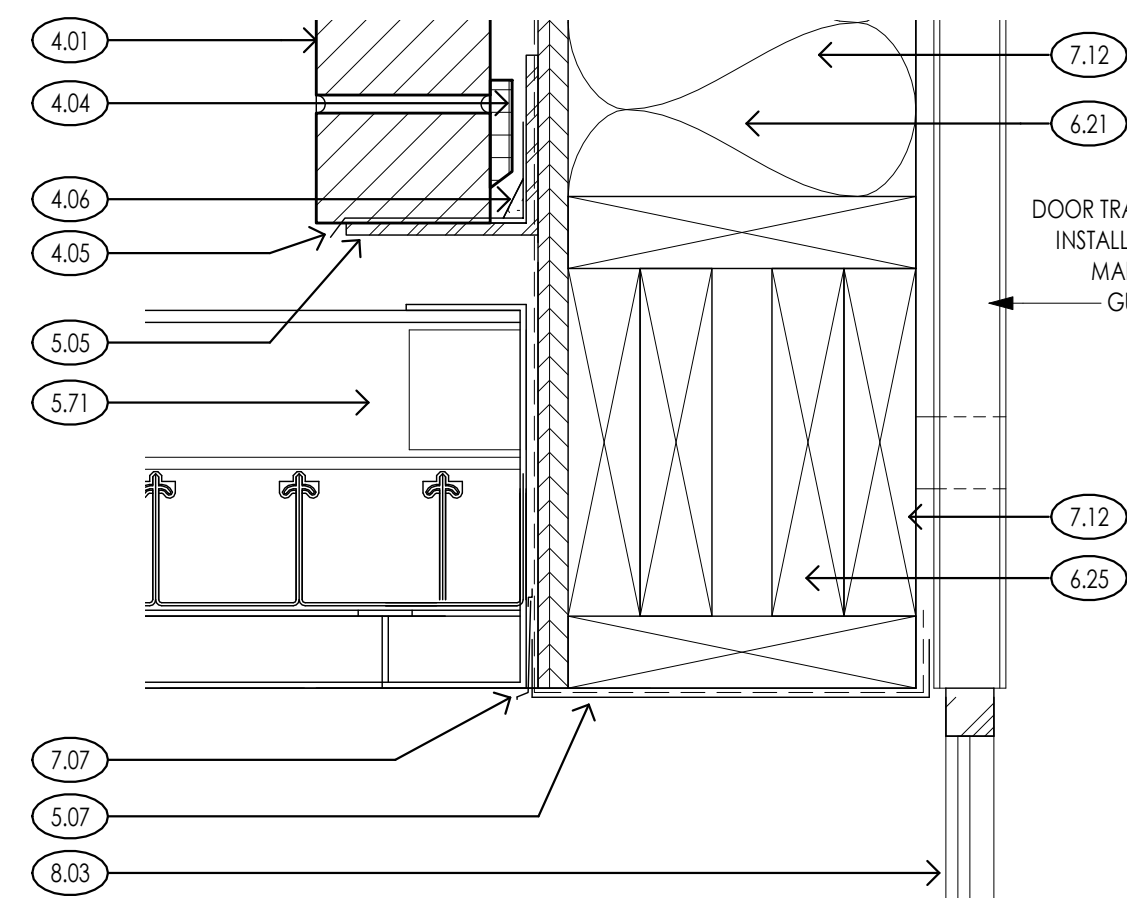
3

Technical drawing showing a cross-section of a window jamb assembly. The drawing is divided into two main sections: EXTERIOR (left) and INTERIOR (right).

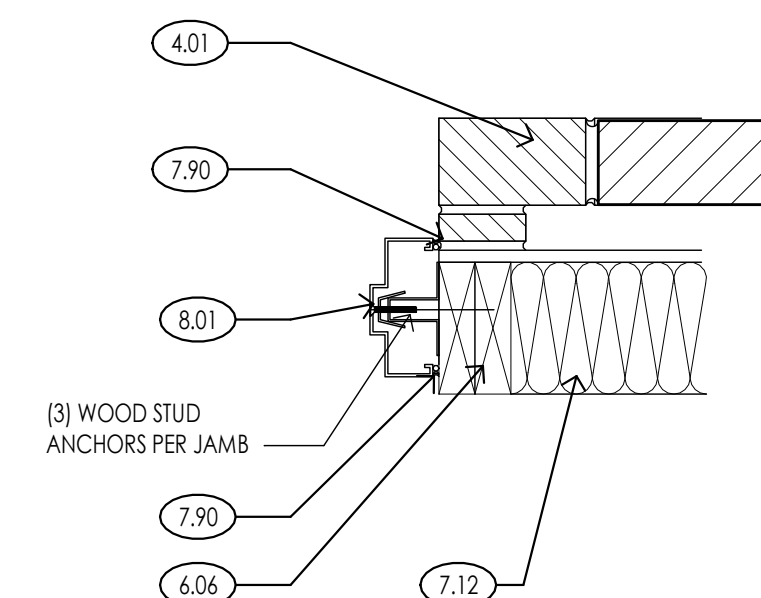
Key dimensions and annotations include:

- 5.05 (Dimension for the exterior jamb profile)
- 7.90 (Dimension for the exterior jamb profile)
- 8.01 (Dimension for the exterior jamb profile)
- @ JAMB CONDITION PROVIDE (3) JAMB ANCHORS DO NOT GROUT SOLID (Annotation for the interior jamb condition)

CANOPY @ DOOR AND WINDOW SCALE: 3" = 1'-0" 2



SERVING DOOR HEAD @ CANOPY



DOOR JAMB (1)
SCALE: 1 1/2" = 1'-0"

4.01 MASONRY WALL W/ HORIZ JOINT REIN @ 24" OC; RE: STRUCTURAL FOR VERT REIN
(WIDTH); REF ELEVATIONS FOR COLOR AND FINISH
4.04 1" MIN CAVITY W/ DRAINAGE MESH @ BASE
4.05 MASONRY THRU-WALL FLASHING W/ MTL DRIP EDGE & WEEPS @ 24" OC MAX
4.06 SOLID GROUT FILL BELOW THRU-WALL FLASHING

5.05	STRUCTURAL STEEL ANGLE (RE: STRUC.)
5.07	BREAK METAL, PAINT TO MATCH ADJ. MATERIAL
5.71	PREFIN. METAL CANOPY

6.06 2X__ WD FRAMING @ __" OC (RE: STRUC.
6.17 5/8" SHEATHING PER STRUCTURAL
6.21 2X8 WOOD STUD
6.25 HEADER; PER STRUCTURAL

7.07	FLASHING, PAINT TO MATCH ADJ. MATERIAL, ADHERE TO WEATHER BARRIER
7.12	(R-20) BATT INSULATION W/ VAPOR BARRIER TO WARM SIDE
7.15	FLUID WEATHER-RESISTIVE BARRIER @ SHEATHING
7.90	CONT SEALANT W/ BACKER ROD

8.01 PTD HOLLOW METAL DOOR & FRAME, GALV. @ EXT. TYP
8.03 SERVING DOOR; REF: DOOR SCHEDULE

HARDWARE GROUP - 02		FINISH	MANUFACTURER
3 EA	HINGES - F88179 1 1/2 X 4 1/2	US26/2	ST
1 EA	STOREROOM LOCK - L9808OT-06	626	SC
1 EA	RIM CYLINDER - 12E-72	626	BE
1 EA	DOOR CLOSER - 4040XP-MC-HCUSH	689	LCN
1 EA	SET OF GASKETING - 5050 8 HEAD & JAMBS		NGP
1 EA	THRESHOLD - 272	689	PEM
1 EA	DOOR SWEEP - 200NA		NGP

HARDWARE GROUP - 05		FINISH	MANUFACTURER
1 EA	CONTINUOUS HINGE		
1 EA	EXIT DEVICE		
1 EA	DOOR PULL		
1 EA	SURFACE CLOSER		
1 EA	THRESHOLD		
1 EA	STORM SWEEP W/ RAIN DRIP		
STOREFRONT DOOR (BY STOREFRONT MANUFACTURER)			

HARDWARE GROUP - 06		FINISH	MANUFACTURER
2 EA	CONTINUOUS HINGE 1/2HD		710 VIE
2 EA	HEADER/THRESHOLD - 4015 X 4-85	BLACK	ADA
1 EA	DEADLOCK - M51851S 1-1/8 B3	BLACK	ADA
2 EA	MORTISE CYLINDER - 20-001 118	BLACK	SCV
2 EA	PULL 8305-10	BLACK	ICH
2 EA	PUSH PLATE 8200	BLACK	VIE
2 EA	SURFACE CLOSER - 4111 AVB SCUSH	BLACK	LCN
2 EA	MOUNTING PLATE - 4110-18	BLACK	LCN
2 EA	CUSH SHOE SUPPORT - 4110-30	BLACK	LCN
2 EA	BLADE STOP SPACER - 4110-61	BLACK	LCN
1 EA	SIGN - THIS DOOR TO REMAIN UNLOCKED DURING...		ADA
1 SET	PREMIER SEALS		
1 EA	THRESHOLD - 655A	BLACK	ZER
2 EA	DOOR SWEEP - 39A		DKB ZER
2 EA	FLOOR STOP - 1462		DJ

NOTE 1: HOLLOW METAL FRAME TO BE GALVANIZED.
NOTE 2: MEDIUM STIL ALUM STOREFRONT DOOR W/ 1/4" TEMPERED GLASS RE:
ELEVATIONS AND SECTIONS FOR REMAINDER INFORMATION
NOTE 3: FOR ALL DOOR THRESHOLDS, SEAL WATER TIGHT FOR NO MOISTURE
PENETRATION.
NOTE 4: HOLLOW METAL FRAME TO BE GALVANIZED. HOLLOW METAL FRAME TO
BE KNOCK DOWN (WRAP AROUND) TYPE.

LOT 12 OF WEST PRYOR
NW PRYOR RD AND
HIGHWAY 470
LEE'S SUMMIT, MO 64081

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1	REV 1	1/10/23

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DOOR SCHEDULE AND DETAILS

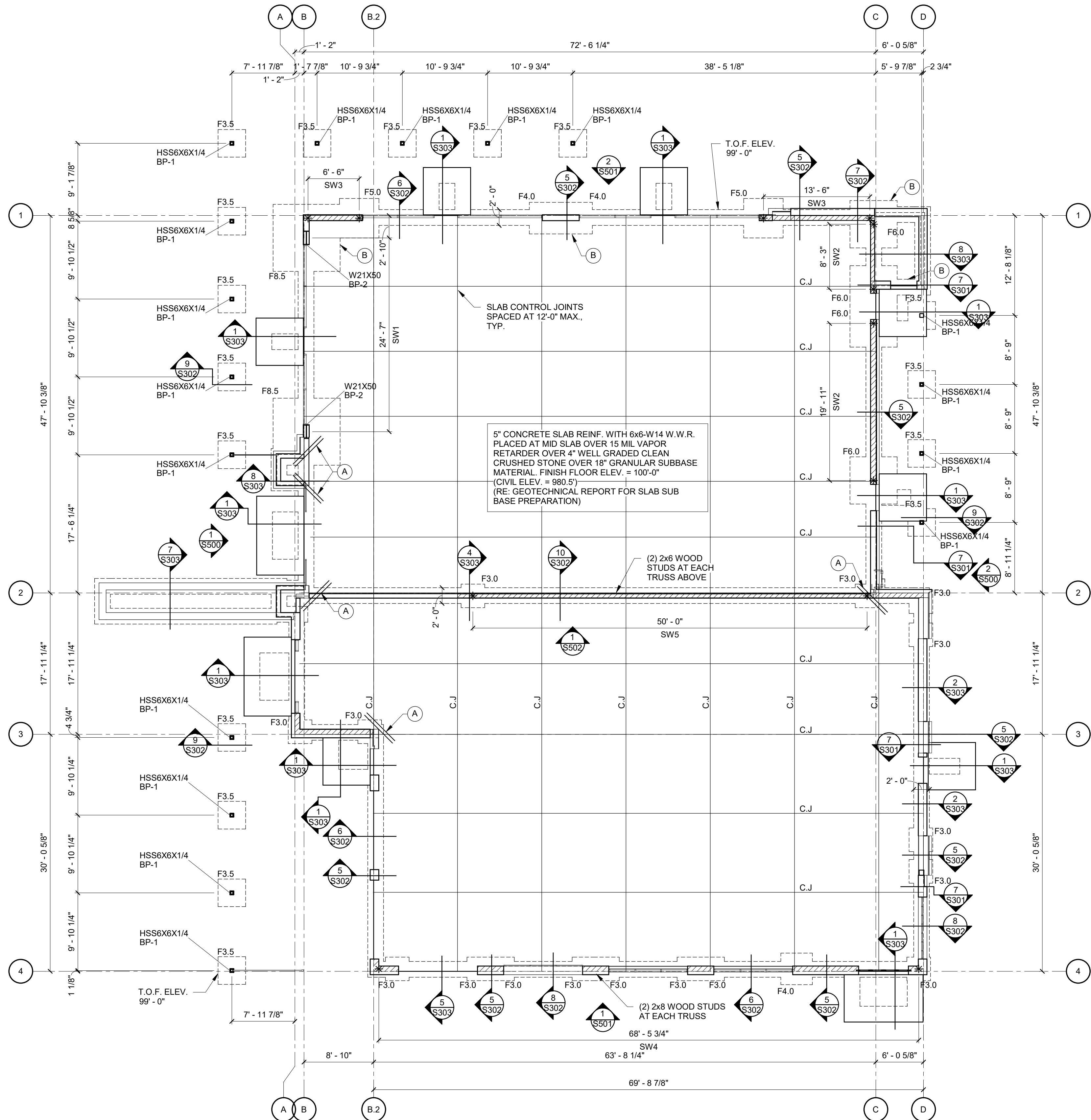
drawing number

AQ

A800

MARK	SIZE			BOTTOM REINFORCING	
	LENGTH	WIDTH	THICKNESS	LONGITUDINAL	TRANSVERSE
F3.0	3' - 0"	3' - 0"	2' - 6"	(3) #5	(3) #5
F3.5	3' - 6"	3' - 6"	2' - 6"	(4) #5	(4) #5
F4.0	4' - 0"	4' - 0"	2' - 6"	(5) #5	(5) #5
F5.0*	5' - 0"	5' - 0"	2' - 6"	(6) #5	(6) #5
F6.0*	6' - 0"	6' - 0"	2' - 6"	(7) #5	(7) #5
F6.5*	6' - 6"	6' - 6"	2' - 6"	(9) #8	(9) #8

NOTE:
* FOOTINGS TO HAVE TOP REINFORCEMENT TO MATCH BOTTOM REINFORCEMENT

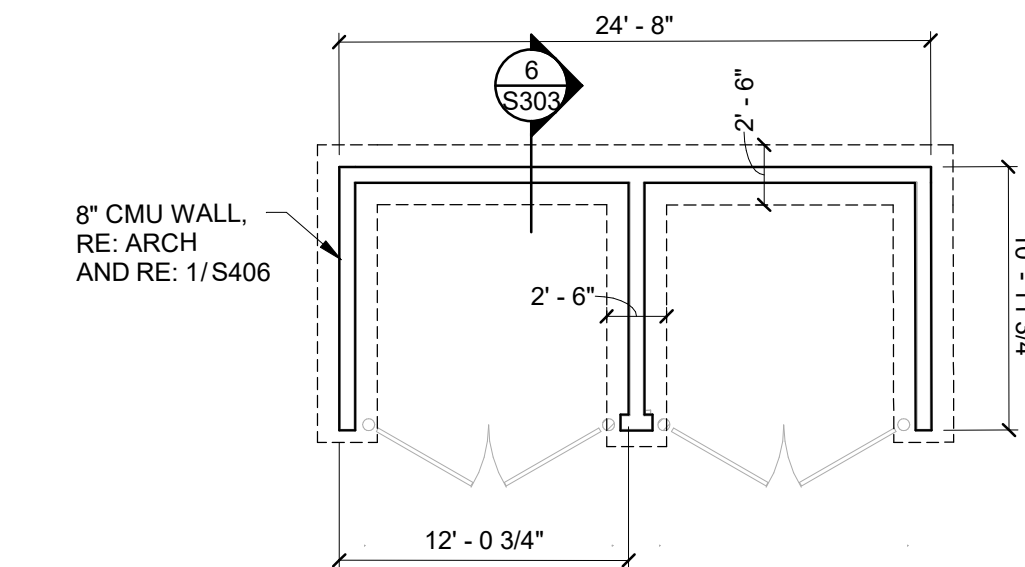


FOUNDATION PLAN NOTES

- THE CONCRETE SLABS SHOWN ON THE STRUCTURAL DRAWINGS HAVE BEEN DESIGNED FOR FINISHED STRUCTURE AND HAVE NOT BEEN DESIGNED FOR MEANS AND METHODS OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO, FORK LIFTS, MAN LIFTS, CRANES AND OTHER VEHICULAR TRAFFIC. THE CONTRACTOR SHALL VERIFY THE SLAB DESIGN MEETS THE CONSTRUCTION NEEDS AND SHALL SUBMIT TO THE ENGINEER OF RECORD FOR REVIEW.
- RE: 1/S301 FOR REINFORCING LAP SCHEDULE.
- PROVIDE CORNER BARS IN ALL CONT. FOOTINGS, RE: 4/S301.
- RE: 5 AND 6/301 FOR ANY MEP PIPING OR CONDUITS PENETRATIONS UNDER OR THRU A FOOTING. PROVIDE (2) #4x5'-0" MID SLAB AT ALL REENTRANT SLAB CORNERS.
- CONTRACTOR SHALL COORDINATE SHEARWALL POST ANCHOR BOLT EMBEDMENTS WITH THE FOUNDATIONS PRIOR TO POURING.
- ALL EXTERIOR AND INTERIOR BEARING WALLS SHALL BE 2x8 WOOD STUDS, U.N.O.
- PROVIDE 2x8 STUD BELOW EACH ROOF TRUSS BEARING LOCATIONS WITH (2) 2x8 TOP PLATES SPLICED RE: 1/S401.
- ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS SHALL HAVE PLYWOOD PANELS RE: 9/S401. SHEAR WALLS SHALL BE BLOCKED RE: 7/S401.
- ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS SHALL HAVE SILL ANCHORS RE: 4/S302 ALONG THE ENTIRE WALL LENGTH.
- RE: SHEET S303 FOR ADDITIONAL WOOD FRAMING TYPICAL DETAILS.

PLAN LEGEND

- SW# = LATERAL SHEAR WALL RE: 7/S401 AND RE: 8/S401 FOR SCHEDULE
- C.J. = SAW CUT CONTROL JOINT, RE: 2/S301
- F# = FOOTING MARK, RE: FOOTING SCHEDULE
- * = HOLDDOWN LOCATION, RE: 1/S302
- = NON-LOAD BEARING WALL, RE: ARCH AND RE: 3/S302
- ▨ = 2x8 LOAD BEARING STUD WALL, U.N.O.
- (A) = PROVIDE (2) #4x5'-0" BARS AT MID DEPTH AT ALL RE-ENTRANT CORNERS
- (B) = FOOTINGS SHALL BE POURED MONOLITHICALLY
- COLUMN SIZE
BASE PLATE
RE: 8/S301
- CONTROL JOINTS
RE: 2/S301
- FTG. SIZE PER
SCHEDULE
- COLUMN BLOCKOUT,
RE: 3/S301



2 TRASH ENCLOSURE FOUNDATION PLAN
1/8" = 1'-0"

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

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project title

LOT 12 OF WEST PRYOR
NW PRYOR RD AND
HIGHWAY 470
LEE'S SUMMIT, MO 64081

project number

222045

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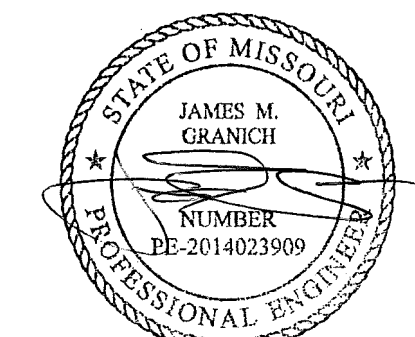
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drawing revisions

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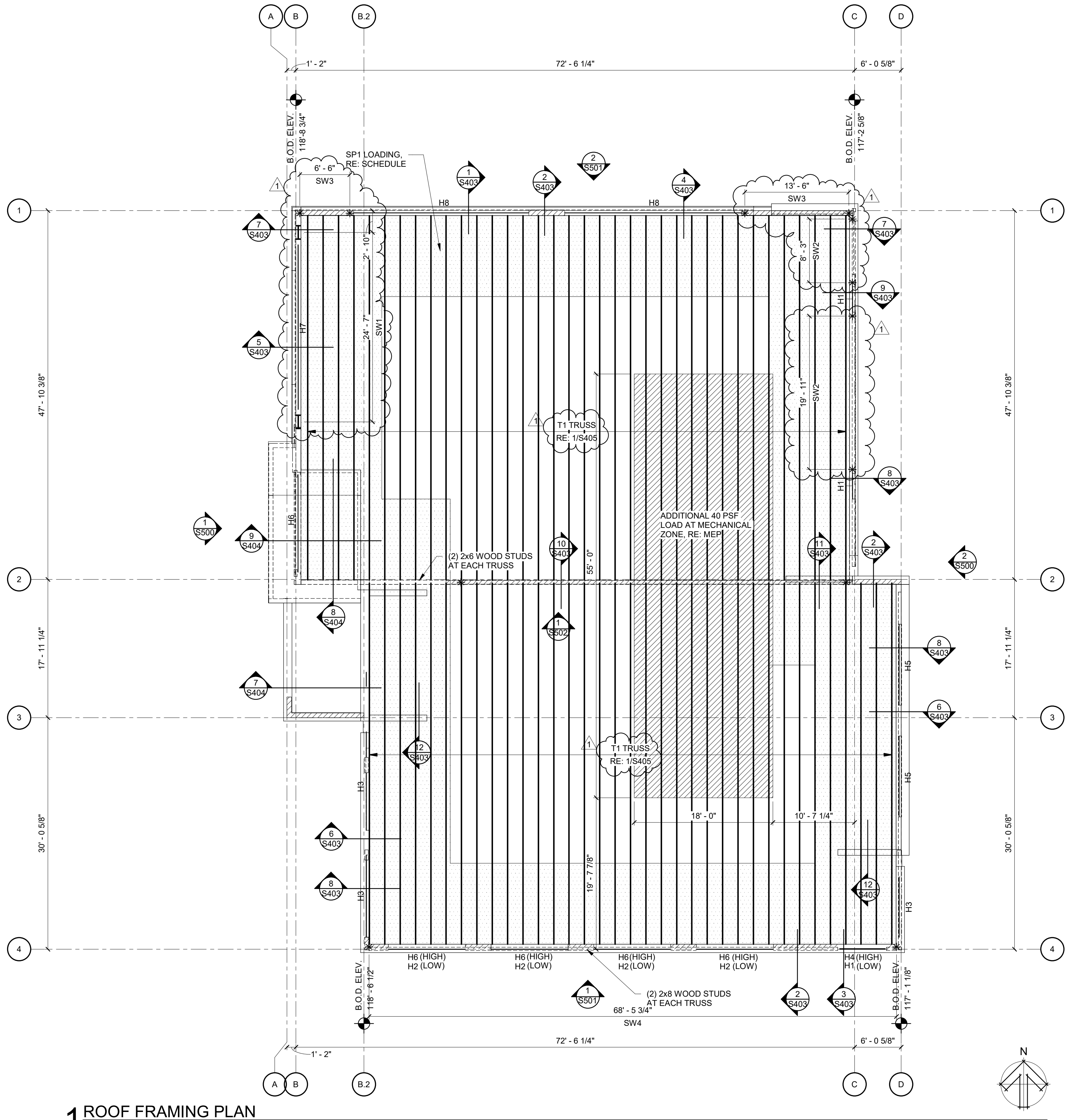
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FOUNDATION PLAN

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S100



1 ROOF FRAMING PLAN
1/8" = 1'-0"

PLAN LEGEND

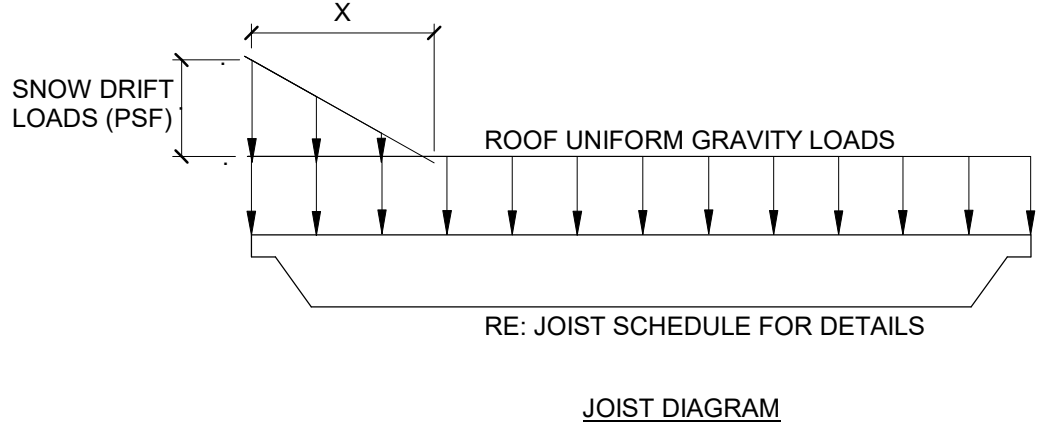
- SW# = LATERAL SHEAR WALL RE: 7/S401 AND RE: 8/S401 FOR SCHEDULE
- = NON-LOAD REINFORCING WALL, RE: ARCH AND RE: 6/S401
- /// = 2x8 LOAD BEARING STUD WALL, U.N.O.
- HX = HEADER OVER OPENING RE: 2 AND 4/S401

ROOF FRAMING PLAN NOTES

- UNLESS SHOWN OR NOTED OTHERWISE, ALL NAILS ARE COMMON NAILS. UNLESS SHOWN OR NOTED OTHERWISE, WOOD MEMBERS SHALL BE CONNECTED AS SHOWN BELOW:

TRUSS TO TOP PLATE	PER TRUSS MFR.
TOP PLATE TO STUD, END NAIL	2-16d
STUD TO SOLE PLATE, END NAIL	2-20d
BUILT-UP STUDS, FACE NAIL	2-16d AT 16" O.C.
TRIPLE TOP PLATES, FACE NAIL	2-16d AT 16" O.C.
(EXCEPT AT SPLICE)	
RAFTER TO PLATE	3-8d TOE NAIL
- FOR FASTENER CONDITIONS NOT SHOWN, PROVIDE CONNECTIONS PER 2018 IBC TABLE 2304.9.1.
- ALL EXTERIOR AND INTERIOR LOAD BEARING WALLS U.N.O. SHALL BE 2x8 WOOD STUDS WITH (1) STUD BELOW EACH ROOF TRUSS AND, PROVIDE (2) 2x6 TOP PLATES SPLICED PER 4/S401.
- ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS SHALL HAVE PLYWOOD PANELS RE: 8/S401. SHEAR WALLS SHALL BE BLOCKED RE: 7/S401.
- THE ROOF DIAPHRAGM SHALL BE BLOCKED OVER SHEAR WALLS RE: 9/S401. ROOF SHEATHING SHALL RUN PERPENDICULAR TO TRUSSES AND STAGGER ENDS.
- ROOF DECK SHALL BE 24/0 STRUCTURAL I GRADE SHEATHING 3/8" MINIMUM NOMINAL THICKNESS. ATTACH WITH 8d COMMON OR DEFORMED SHANK NAILS WITH 3/8" PENETRATION (MIN.) AT 2" ON CENTER AT BOUNDARY LOCATIONS, 2" ON CENTER AT PANEL EDGES AND 12" ON CENTER IN FIELD. U.N.O. STAGGER PANELS AS REQUIRED TO AVOID LINING UP END JOINTS. WOOD STRUCTURAL PANEL ROOF SHEATHING SHALL BE BONDED BY EXTERIOR GLUE.
- ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING.
- CONTRACTOR SHALL COORDINATE UNDER HUNG EQUIPMENT WITH ARCH AND TRUSS SUPPLIER.
- TRUSS SUPPLIER SHALL COORDINATE RTU OPENING REQUIREMENTS WITH TRUSS SPACING. TRUSSES MAY REQUIRE SPACING LARGER THAN 24" O.C. THEREFORE TRUSS SUPPLIER SHALL PROVIDE GIRDER TRUSSES, BLOCKING AND BRIDGING AS REQUIRED FOR OPENINGS COORDINATE WITH MEP DRAWINGS.

SPECIAL JOIST LOADS		
MARK	SNOW DRIFT (PSF)	SNOW WIDTH (X)
SP1	43.5	10'-6"



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project title

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NW PRYOR RD AND
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project number

222045

drawing issuance

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drawing revisions

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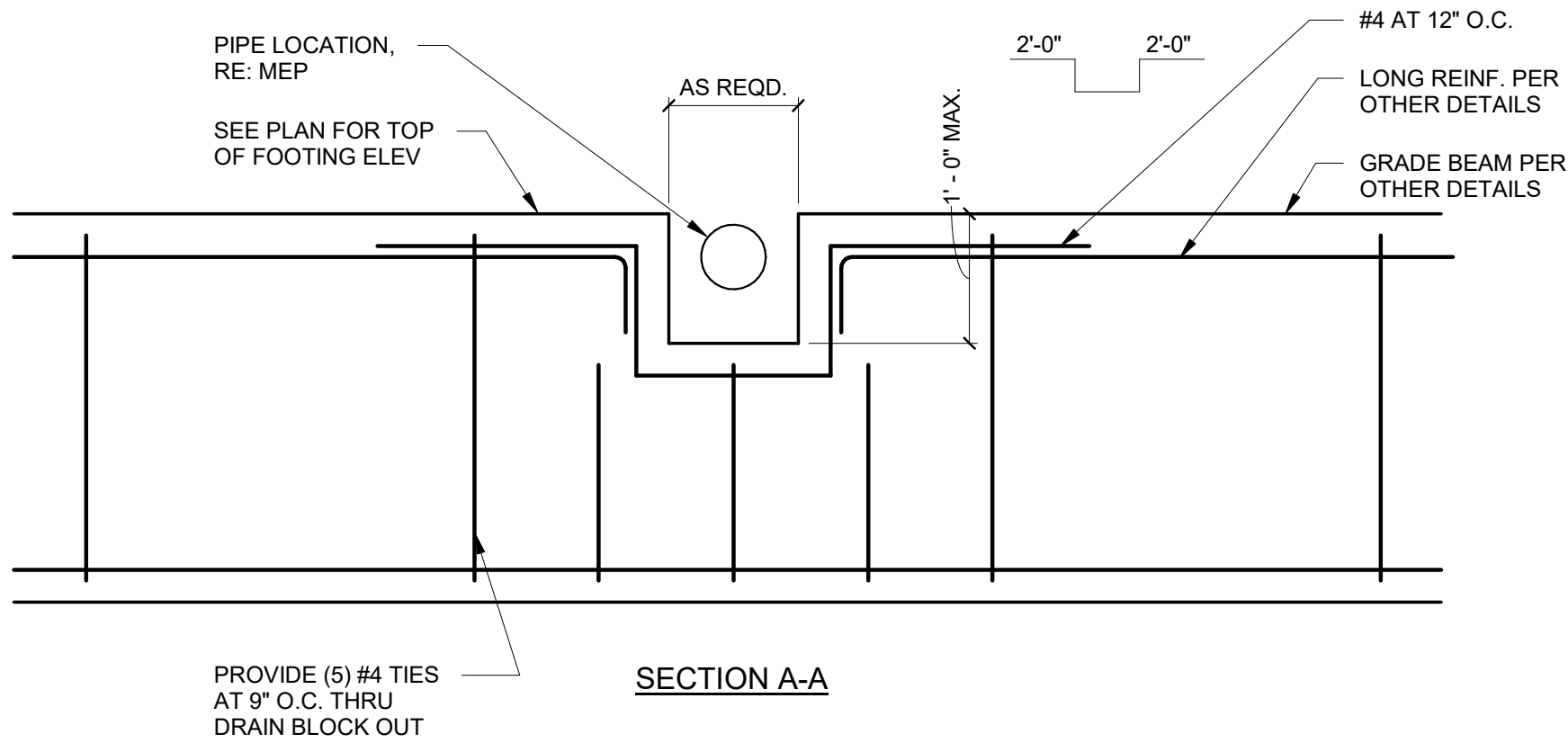
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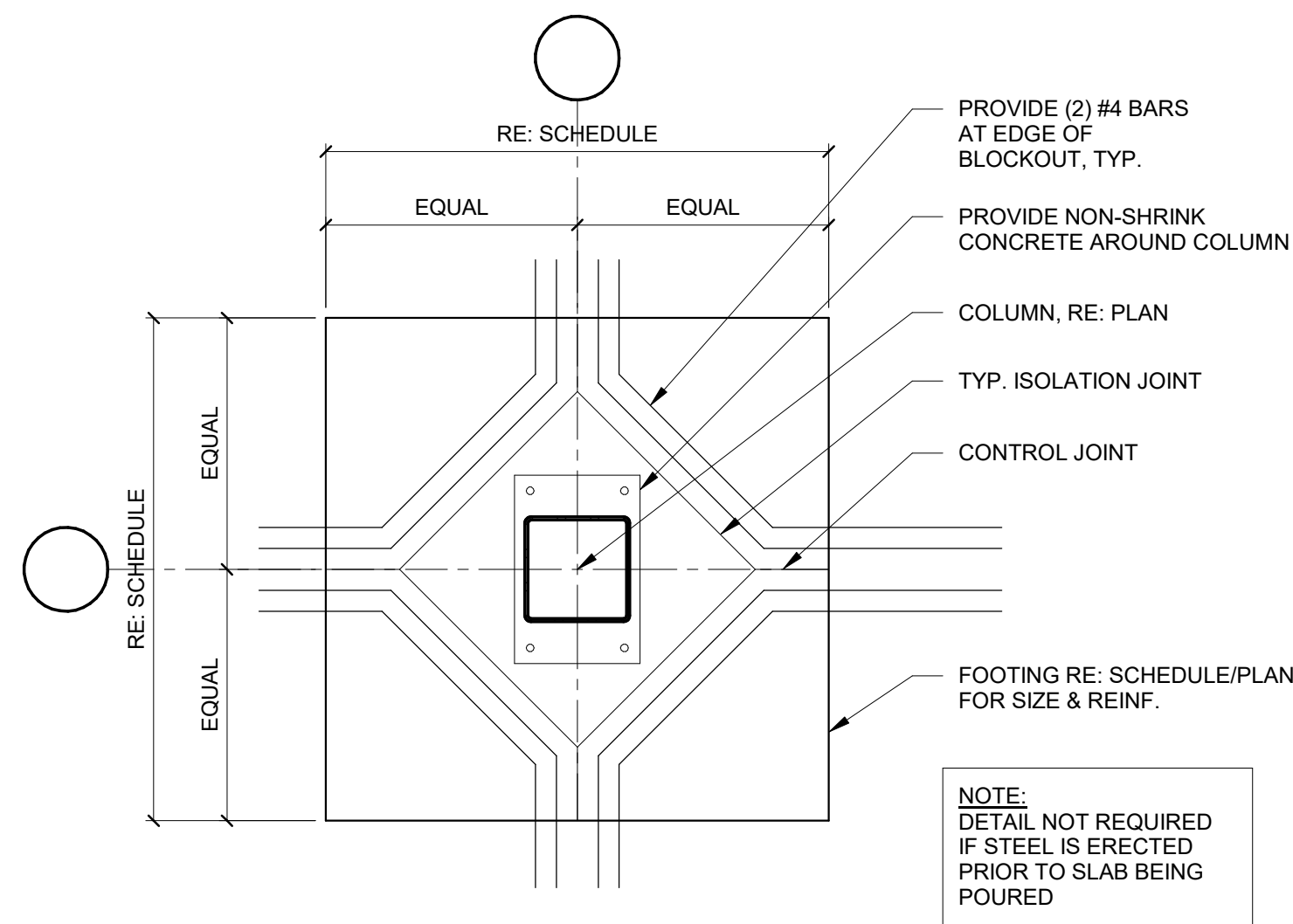
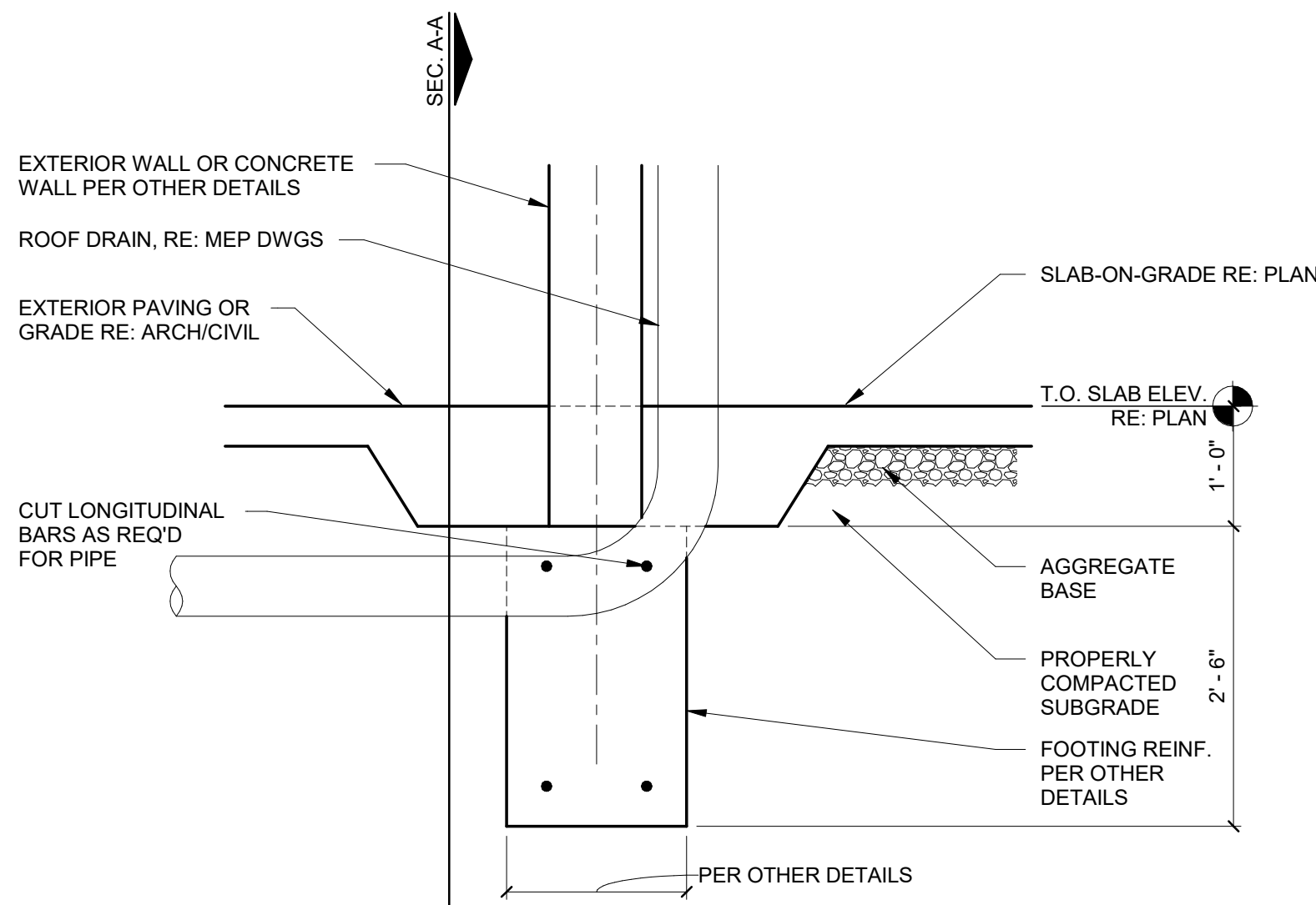
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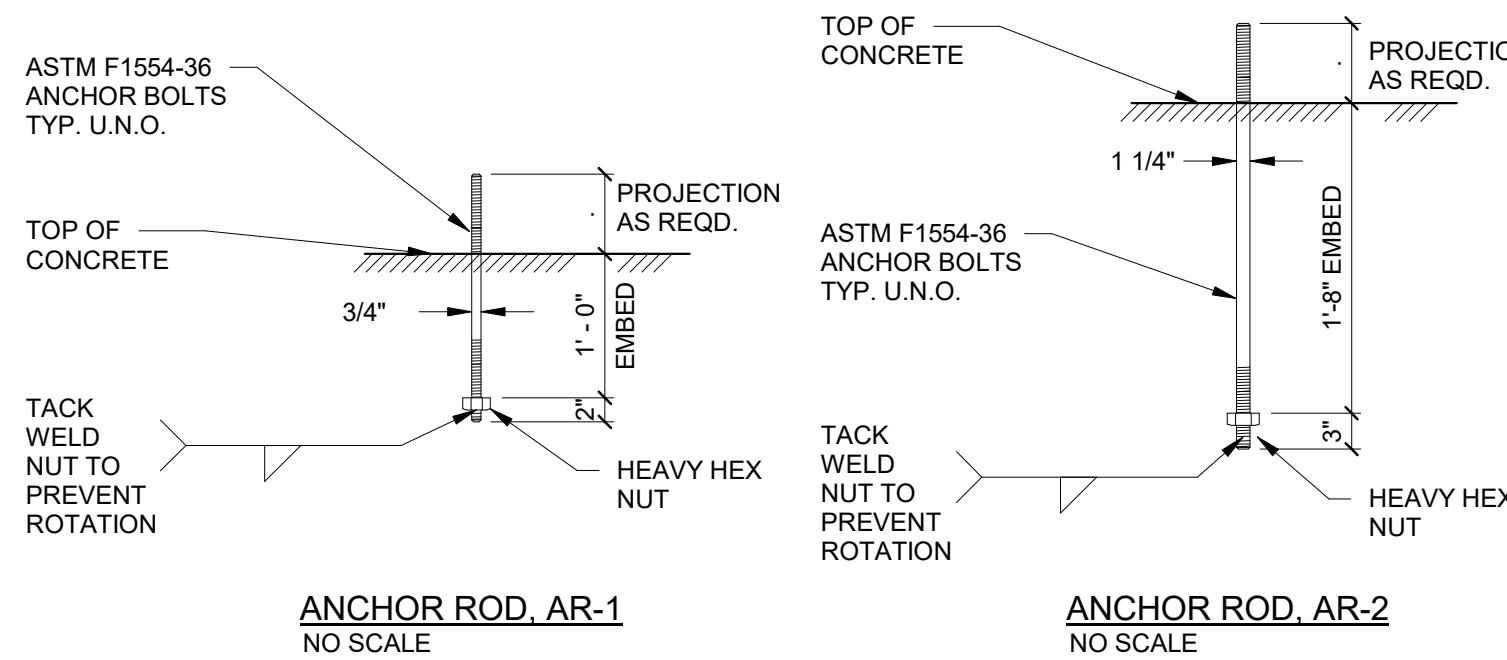
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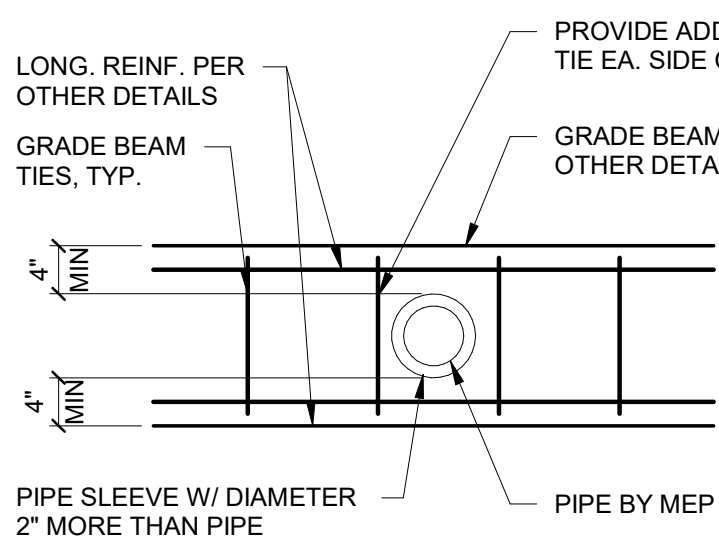
7 FOUNDATION SECTION AT DRAIN
3/4" = 1'-0"



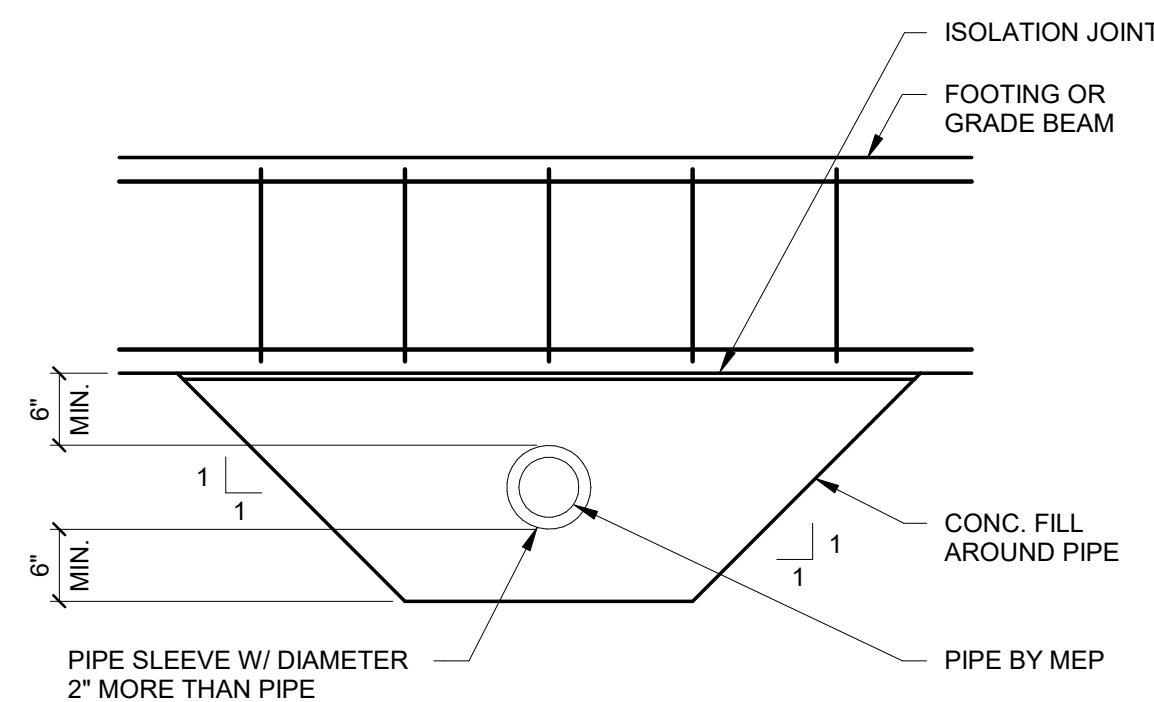
3 COLUMN BLOCKOUT DETAIL
3/4" = 1'-0"



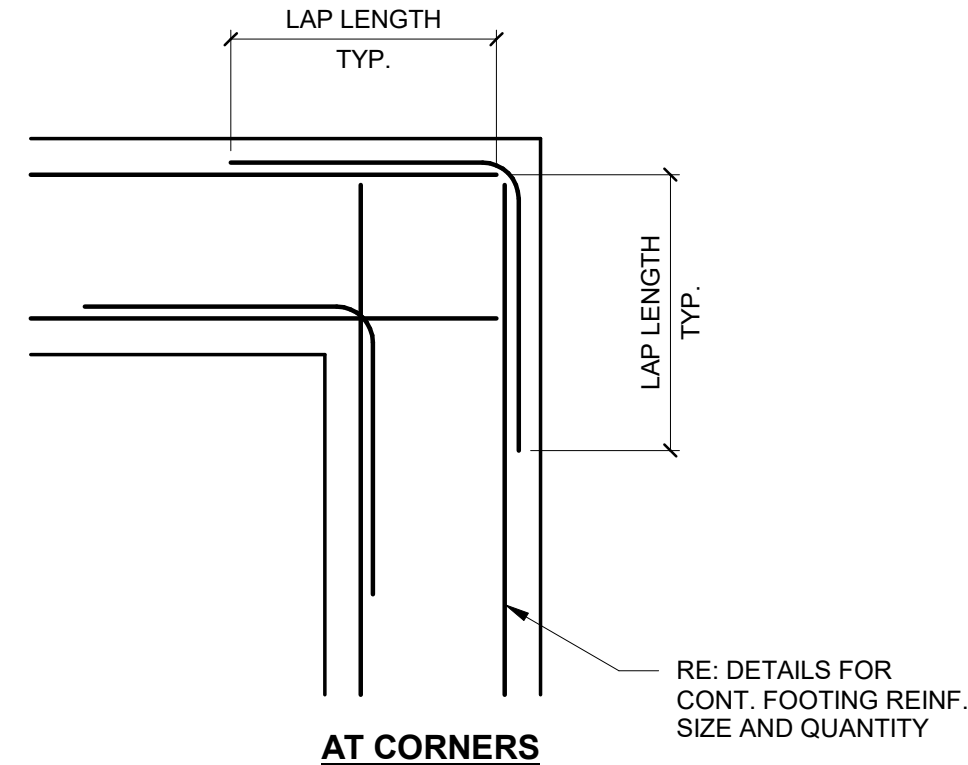
8 ANCHOR ROD AND BASE PLATE DIAGRAMS AND SCHEDULE
3/4" = 1'-0"



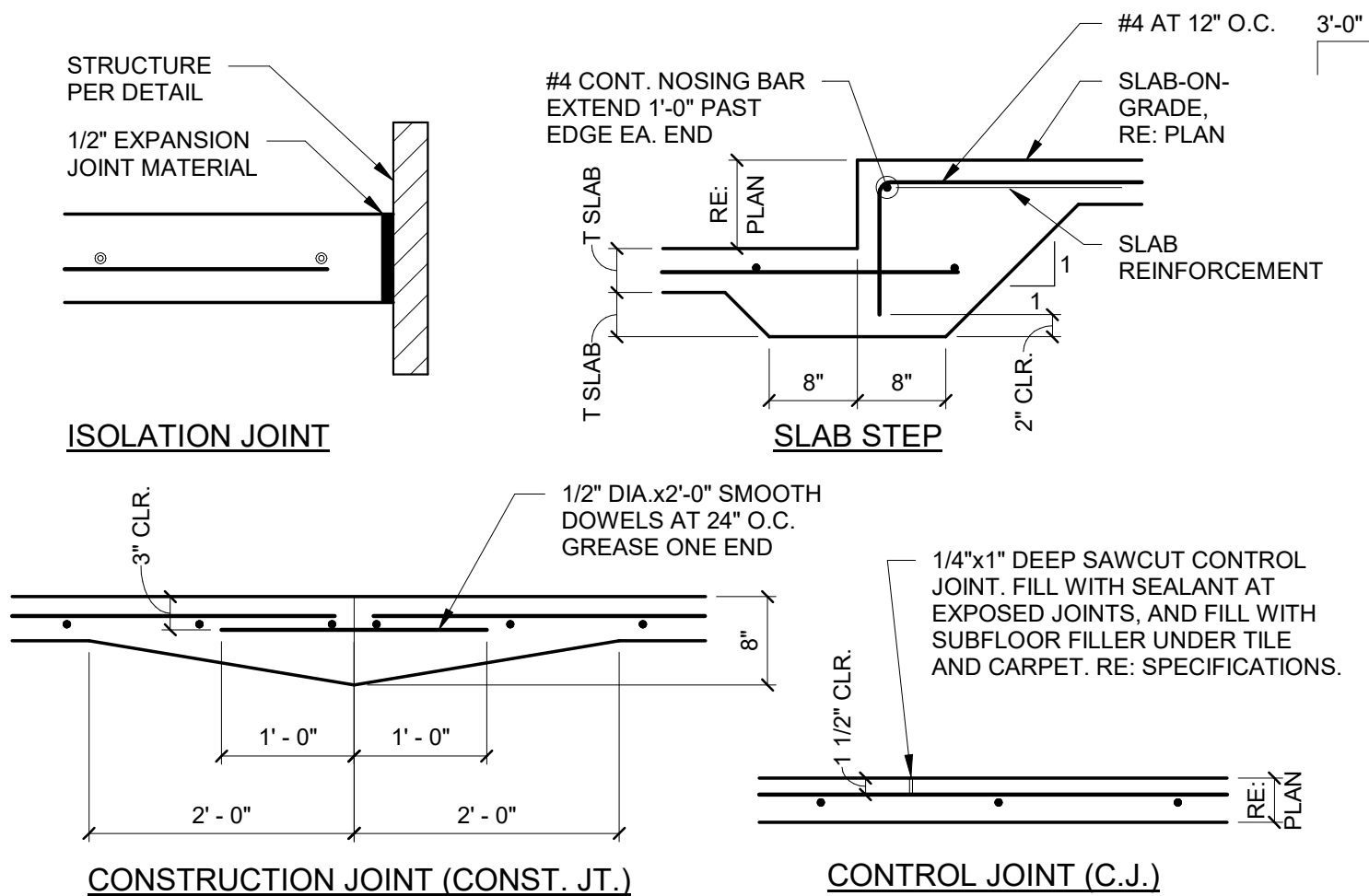
6 PIPE THRU GRADE BEAM DETAIL
3/4" = 1'-0"



5 PIPE UNDER GRADE BEAM DETAIL
3/4" = 1'-0"



4 TYPICAL CORNER BAR DETAIL
3/4" = 1'-0"



2 SLAB-ON-GRADE JOINT DETAILS
3/4" = 1'-0"

CONCRETE REINFORCING LAP LENGTH SCHEDULE						
BAR SIZE	STRUCTURAL ELEMENT MINIMUM COMPRESSIVE STRENGTH (f _c)					
	3000psi		4000psi		4500psi	
	TOP BARS	OTHER	TOP BARS	OTHER	TOP BARS	OTHER
#3	28"	22"	25"	19"	23"	18"
#4	38"	29"	33"	25"	31"	24"
#5	47"	36"	41"	31"	38"	30"
#6	56"	43"	49"	37"	46"	35"
#7	81"	63"	71"	54"	67"	51"
#8	93"	72"	81"	62"	76"	59"
#9	105"	81"	91"	70"	86"	66"
#10	118"	91"	102"	79"	96"	74"

NOTES:
1. LAP LENGTH FOR TOP BARS SHALL BE USED WHEN MORE THAN 12 INCHES OF FRESH CONCRETE IS PLACED BELOW HORIZONTAL REINFORCEMENT.

1 CONCRETE REINFORCING LAP SCHEDULE
3/4" = 1'-0"



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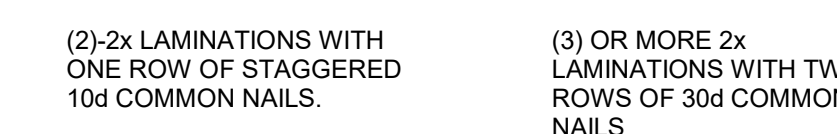




NOTES:

1. EXPANSION ANCHORS SHALL NOT BE ALLOWED WITHIN 6 INCHES OF SLAB EDGE.
2. REFER TO SHEARWALL SCHEDULE FOR ANCHORAGE REQUIREMENTS ABOVE AND BEYOND THIS SCHEDULE.
3. ALL HARDWARE IN CONTACT WITH ACQ TREATED LUMBER CLASS G185 MUST BE SILICON ZMAX PRODUCTS THAT MEET ASTM A653.
4. OVERSIZE WASHERS AT TOP OF SILL PLATE SHALL BE USED FOR ALL ANCHOR TYPES.

3 NON-LOAD BEARING WALL CONNECTION

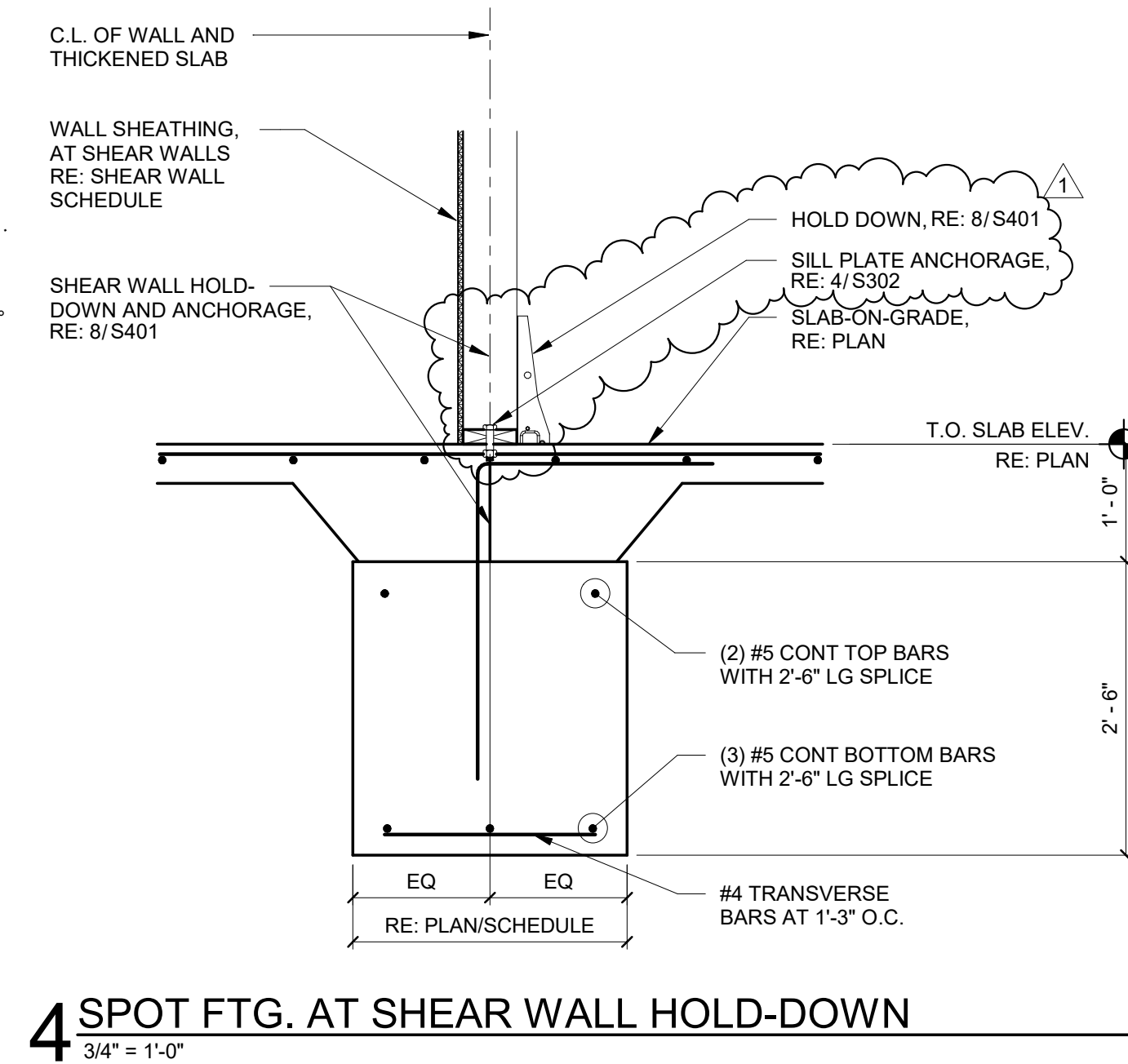
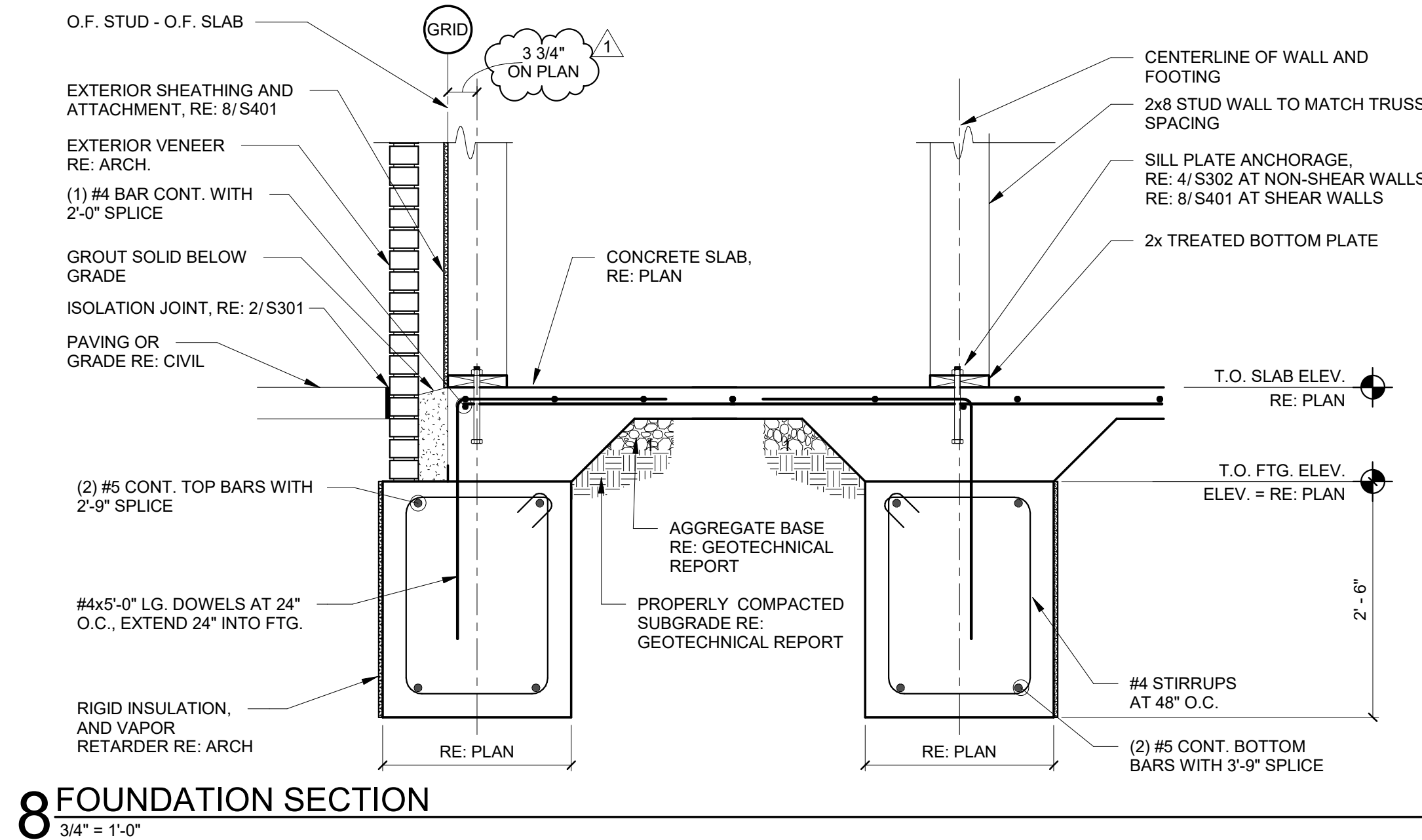
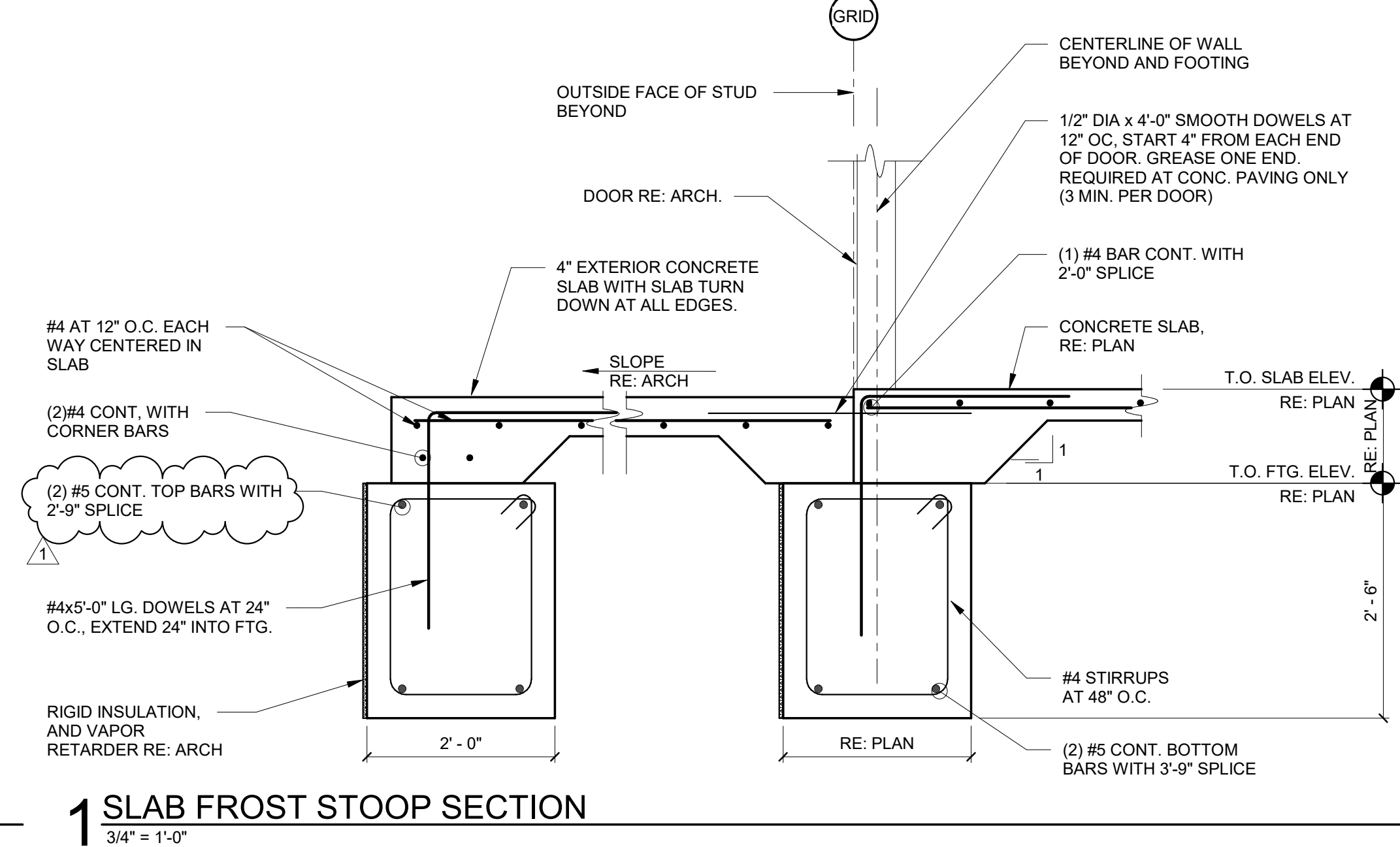
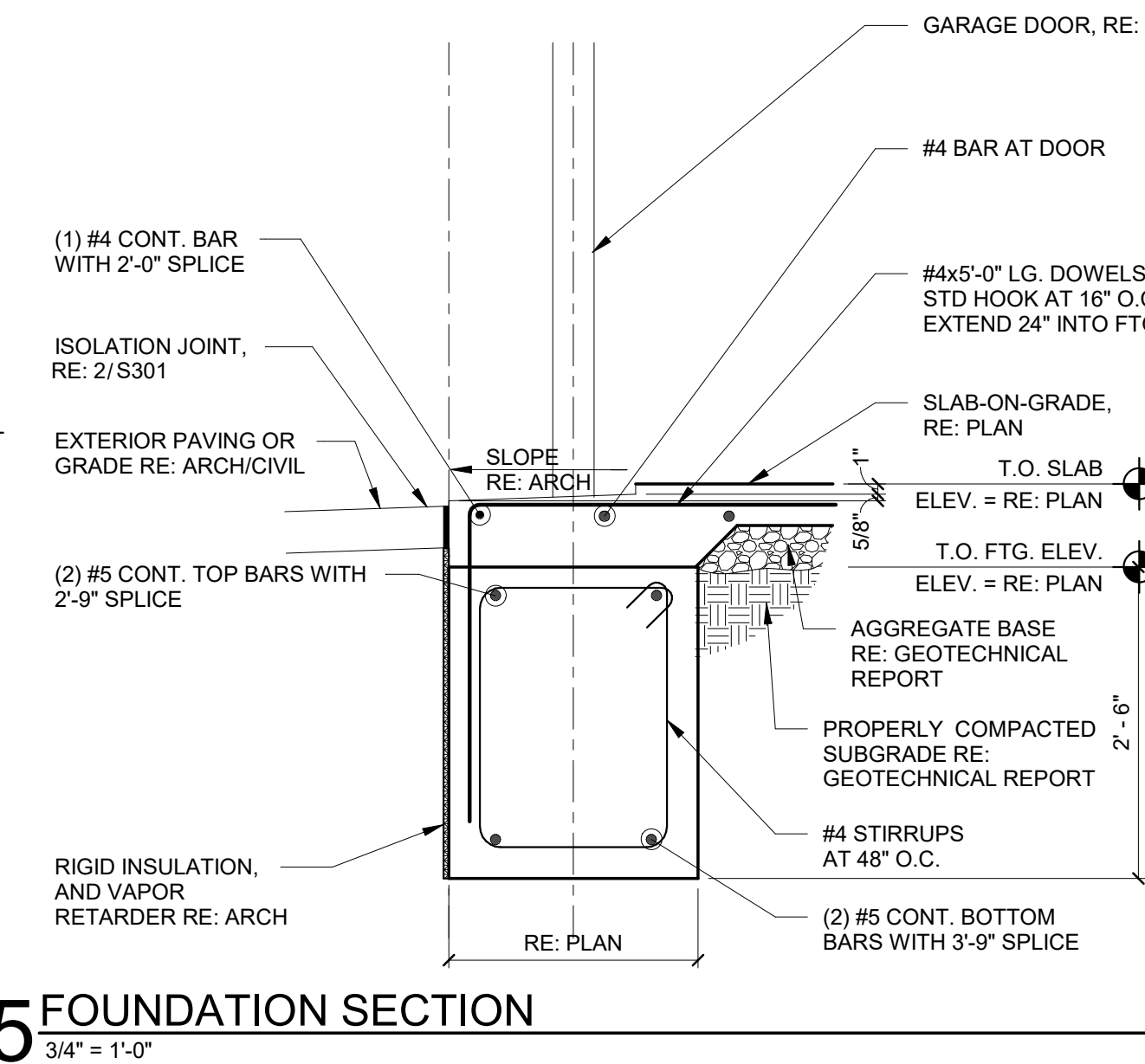
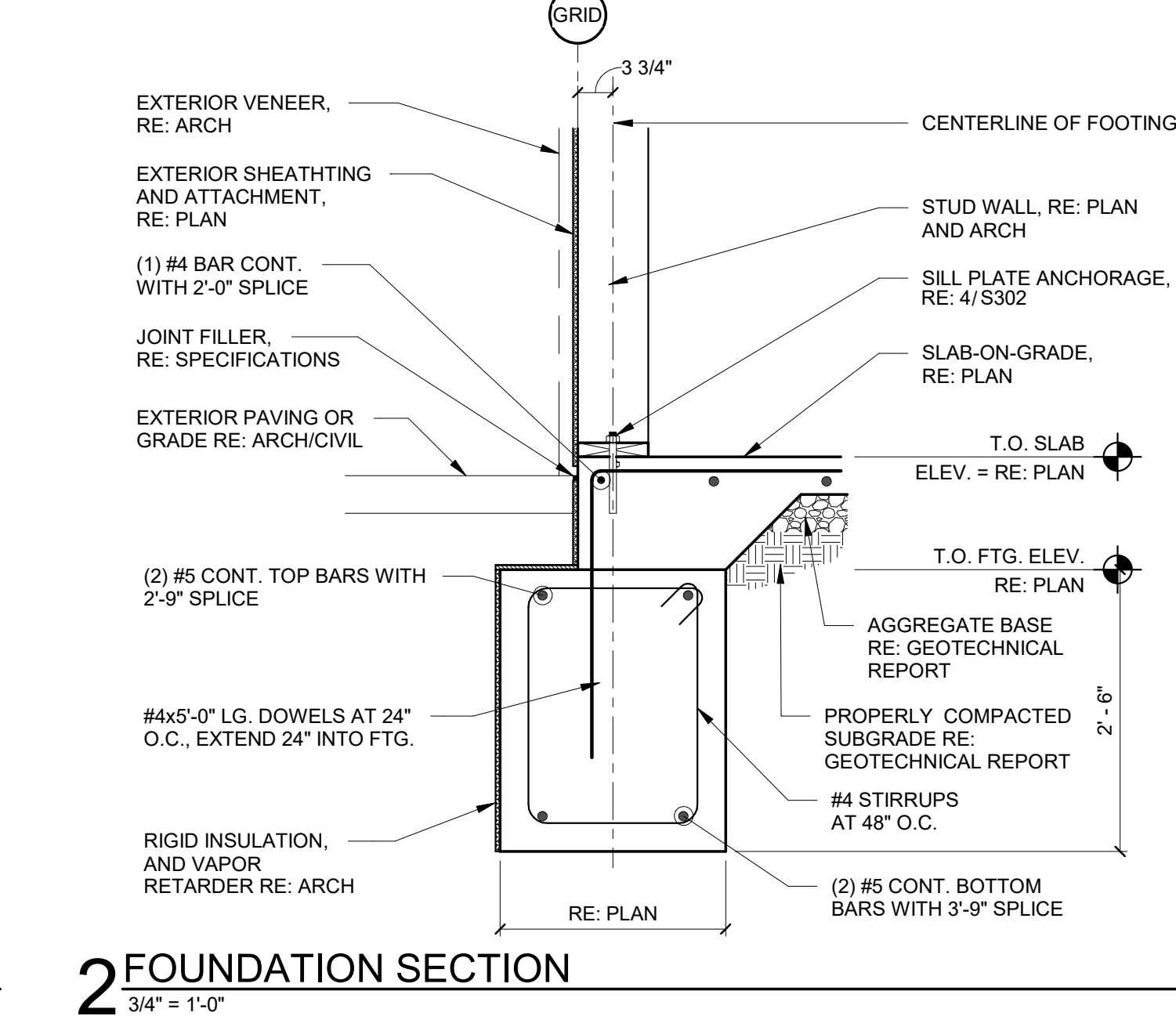
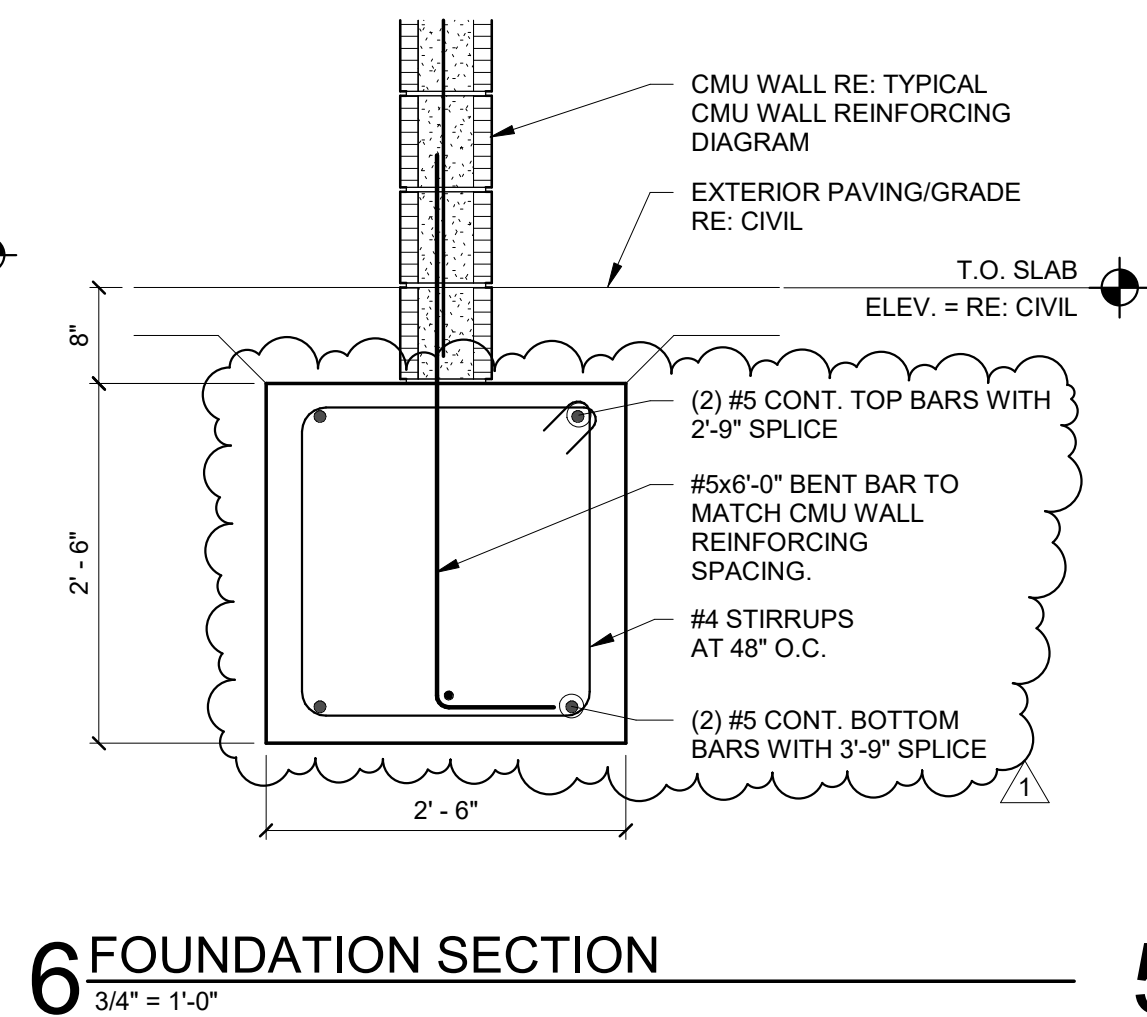
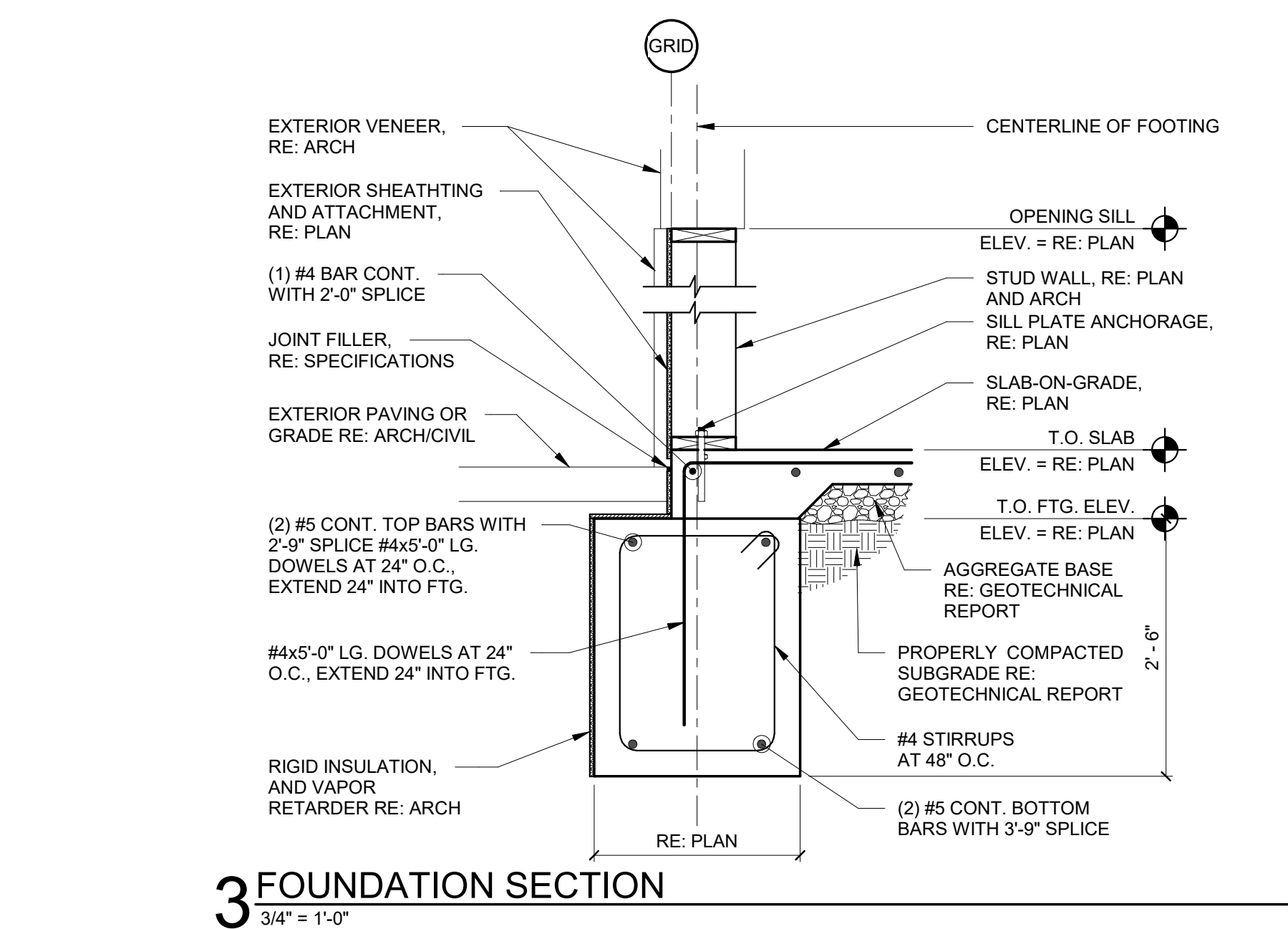
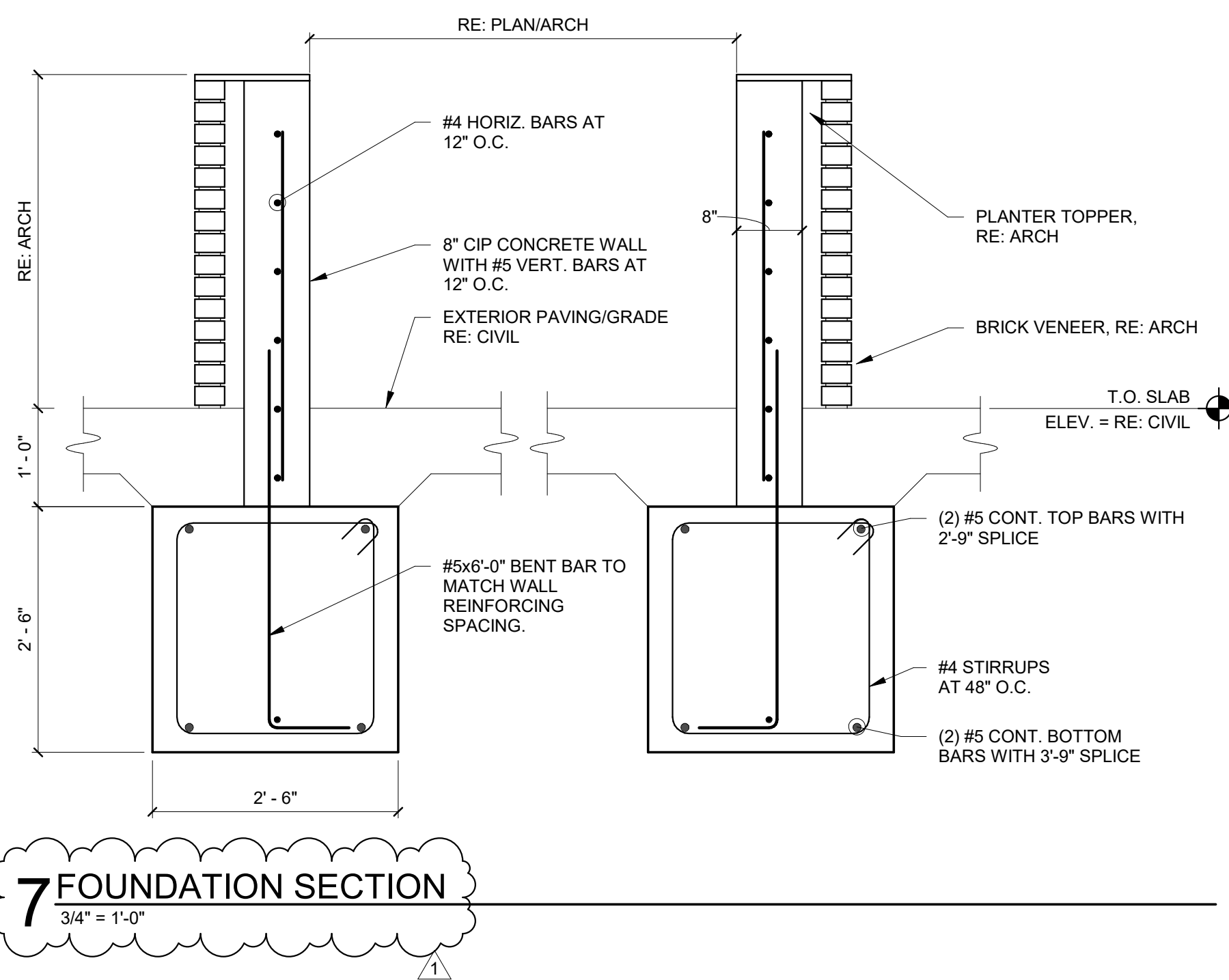


"+" DENOTES NAILS DRIVEN F

2 BUILT UP COLUMN

$\frac{3}{4}" = 1'-0"$





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LOT 12 OF WEST PRYOR
NW PRYOR RD AND
HIGHWAY 470
LEE'S SUMMIT, MO 64081

project number
222045

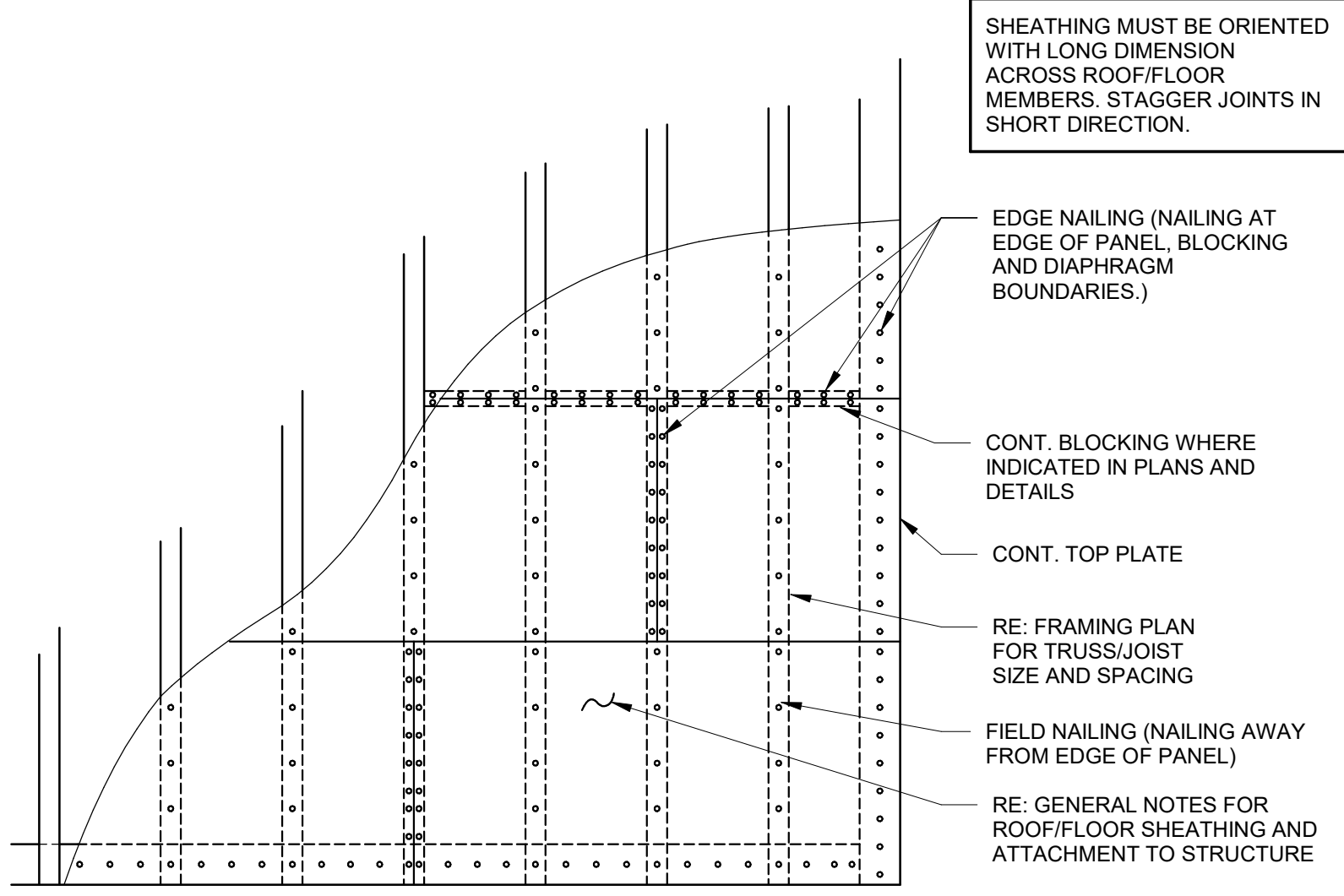
drawing issuance
ISSUED FOR PERMIT 12/09/2022

drawing revisions
No. Description Date:
1 CITY COMMENTS 01/10/23

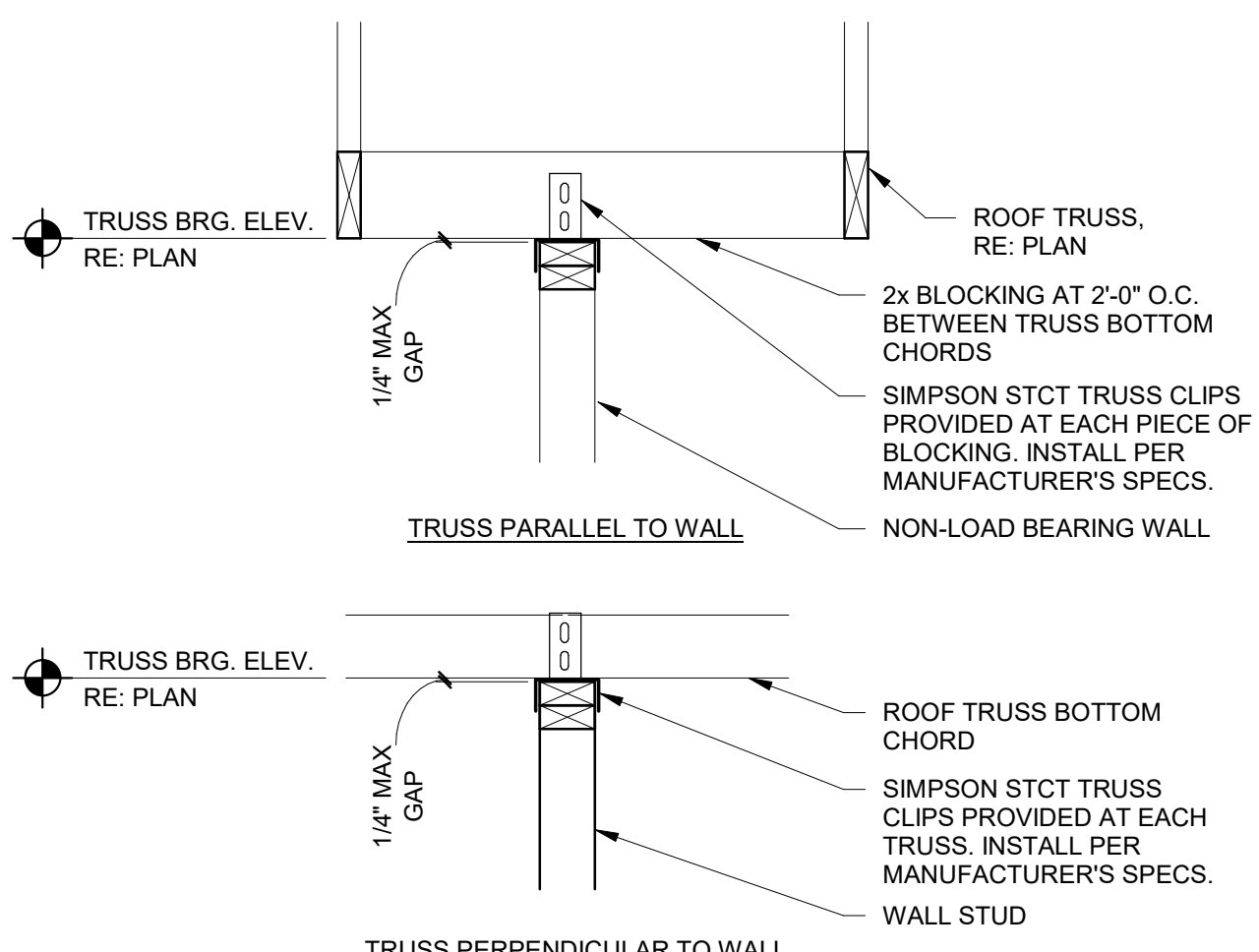
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S303

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structural/civil/landscape/survey
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kansas city, missouri 64108
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9 TYPICAL WOOD SHEATHING ATTACHMENT DIAGRAM
3/4" = 1'-0"



6 INTERIOR NON-LOAD BEARING WALL BRACING
1" = 1'-0"

JOIST HANGER SCHEDULE		
JOIST SIZE	TOP FLANGE HANGER	FACE MOUNT HANGER
2x4	PF24	LUS24
2x6	JB26	LUS26
2x8	JB28	LUS26
2x10	JB210A	LUS28
2x12	JB212A	LUS210
(2)-2x8	HUS28-2TF	LUS26-2
(2)-2x10	HUS210-2TF	LUS28-2
(2)-2x12	HUS212-2TF	LUS210-2

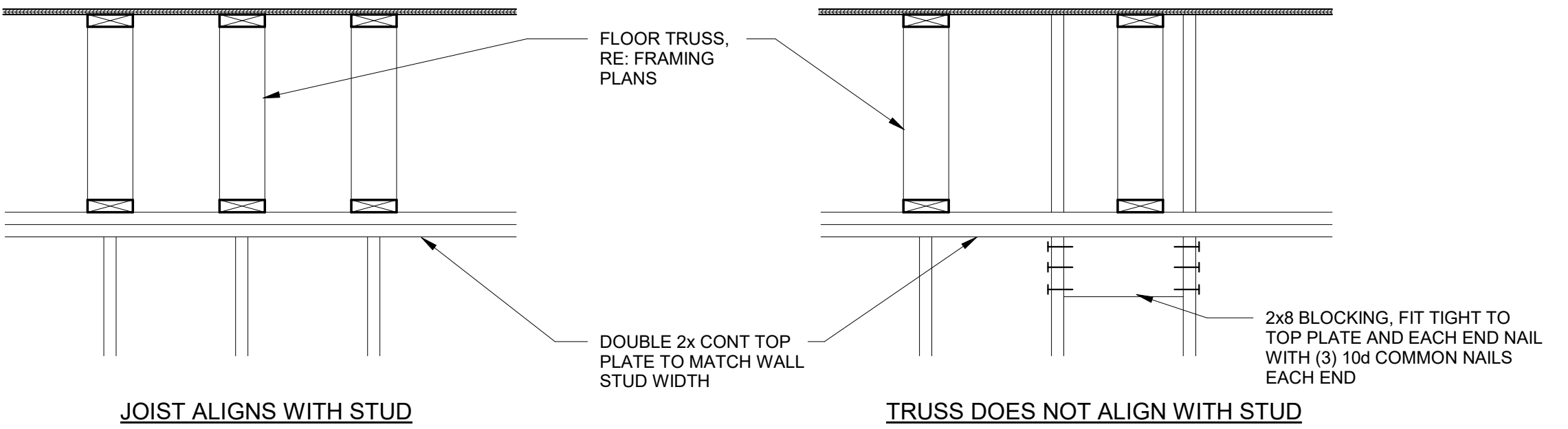
- NOTES:
- THE ABOVE ARE MINIMUM HANGER REQUIREMENTS. REFER TO DETAILS FOR FRAMING MEMBERS NOT SHOWN.
 - ALL JOIST HANGERS ARE SIMPSON STRONG-TIE PRODUCTS. ALTERNATE HANGERS MAY BE USED THAT MEET OR EXCEED THE LISTED SIMPSON CAPACITY. ALTERNATE CONNECTIONS SHALL BE APPROVED BY THE ENGINEER OF RECORD.
 - ONLY USE FACE MOUNTED HANGERS WHERE ALL FACE NAILING CAN BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS.
 - FILL ALL HOLES WITH FASTENERS PER MANUFACTURER'S REQUIREMENTS.
 - PROVIDE CONCEALED FASTENERS AND FINISH FOR EXPOSED CONNECTORS TO COMPLY WITH ARCHITECT'S OR OWNER'S REQUIREMENTS.

3 FRAMING HANGER SCHEDULE
3/4" = 1'-0"

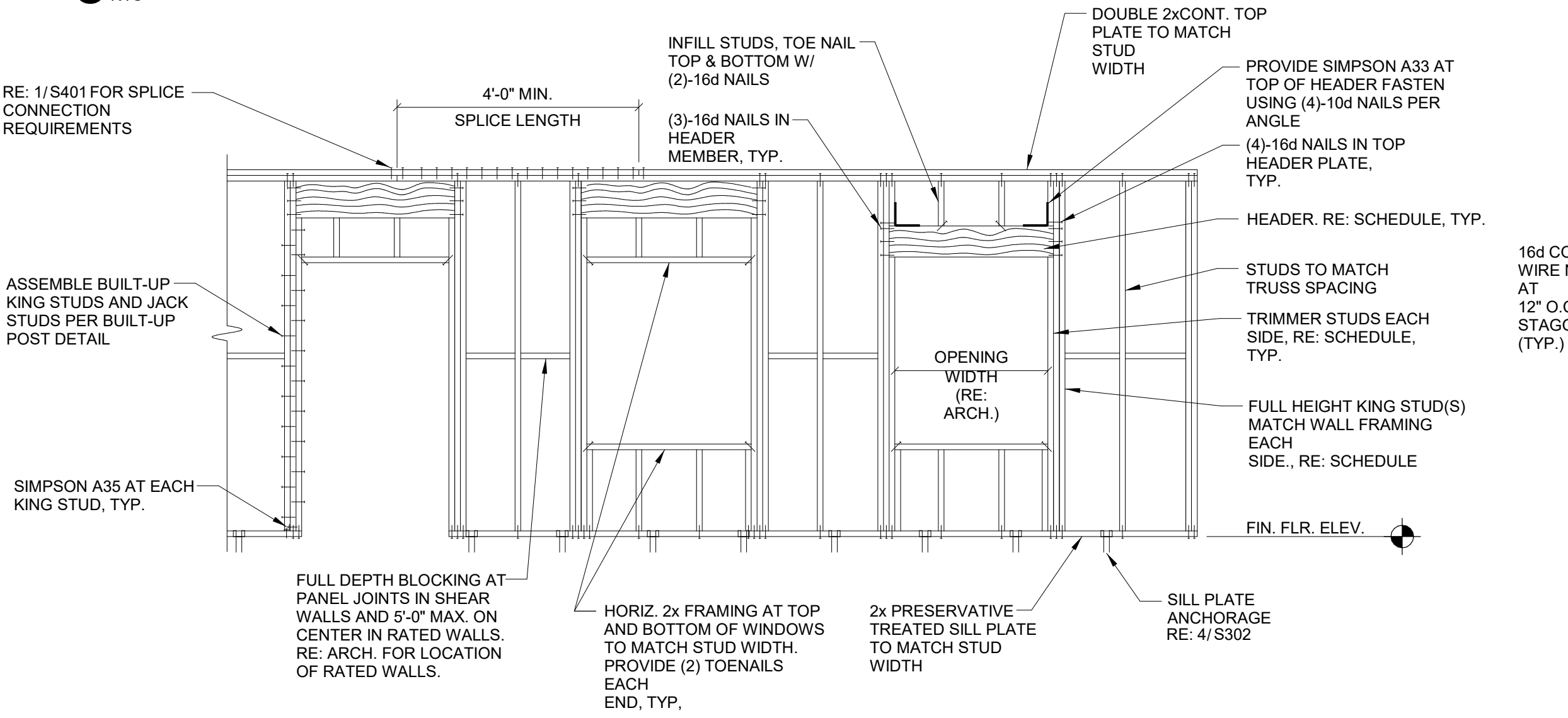
SHEAR WALL SCHEDULE						
MARK	MATERIAL	NAILING		ANCHORS		
		AT PANEL EDGES AND BOUNDARIES	AT INTERMEDIATE FRAMING MEMBERS	SILL PLATE	HOLDOWNS (RE: SHEARWALL ELEV. AND PLANS FOR LOCATIONS)	HOLDOWN POST AT EA. STRAP/ANCHOR
SW1	15/32" STRUCTURAL SHEATHING (2 SIDES)	8d AT 4" O.C. WITH 1 1/2" PENETRATION	8d AT 12" O.C.	--	--	(2) 2x8
SW2	19/32" STRUCTURAL SHEATHING (2 SIDES)	10d AT 2" O.C. WITH 1 1/2" PENETRATION	10d AT 12" O.C.	SET-3G 5/8" DIA. ANCHOR BOLTSx3 1/4" EMBEDMENT AT 24" O.C.	(1) SIMPSON HDU14-SDS2.5 WITH 1" DIA. SET-3G ANCHORx12" EMBEDMENT	(3) 2x8
SW3	15/32" STRUCTURAL SHEATHING (2 SIDES)	8d AT 2" O.C. WITH 1 1/2" PENETRATION	8d AT 12" O.C.	SET-3G 5/8" DIA. ANCHOR BOLTSx3 1/4" EMBEDMENT AT 36" O.C.	(1) SIMPSON HDU8-SDS2.5 WITH 7/8" DIA. SET-3G ANCHORx9" EMBEDMENT	(3) 2x8
SW4	3/8" STRUCTURAL SHEATHING (2 SIDES)	8d AT 2" O.C. WITH 1 1/2" PENETRATION	8d AT 12" O.C.	SET-3G 5/8" DIA. ANCHOR BOLTSx3 1/4" EMBEDMENT AT 16" O.C.	(1) SIMPSON HDU4-SDS2.5 WITH 5/8" DIA. SET-3G ANCHORx6" EMBEDMENT	(3) 2x8
SW5	5/8" STRUCTURAL SHEATHING (1 SIDE)	8d AT 4" O.C. WITH 6" PENETRATION	8d AT 12" O.C.	SET-3G 5/8" DIA. ANCHOR BOLTSx3 1/4" EMBEDMENT AT 36" O.C.	(1) SIMPSON HDU4-SDS2.5 WITH 5/8" DIA. SET-3G ANCHORx6" EMBEDMENT	(5) 2x6
NON SHEAR WALL	---	10d AT 6" O.C.	10d AT 12" O.C.	RE: 4/S302	---	---

- NOTE:
- RE: PLANS FOR ANCHOR BOLT AND HOLD DOWN LOCATIONS.
 - PROVIDE GALVANIZED NAILS AT EXTERIOR FACE OF WALL.
 - ALL SHEATHING TO BE 24/0 SPAN RATED, EXTERIOR.
 - HOLD DOWN POSTS SHALL BE ATTACHED TOGETHER PER BUILT-UP POST DETAIL, RE: 2/S302
 - NAILS SHALL BE COMMON WIRE NAILS FROM AN AMERICAN OR CANADIAN MFR. ONLY.
 - PANEL BLOCKING SHALL BE FULL DEPTH CENTERED ON THE JOINT AND IS REQUIRED AT ALL PANEL EDGES.
 - SHEAR WALL SHEATHING SHALL RUN CONTINUOUS THROUGH BREAKS CAUSED BY INTERSECTING WALLS.
 - FOR HOLES IN PLATES OR STUDS AT HOLDOWN MEMBERS, STRAP ACROSS HOLE WITH SIMPSON ST2115, NO NAILS AT HOLE. NOTCHING OF SHEAR WALL POSTS NOT ALLOWED.
 - SHEAR WALL SHEATHING AND NAILING SHALL BE CONTINUOUS BETWEEN HOLDOWN LOCATIONS AS SHOWN ON PLAN.
 - ALL HOLDOWNS, TENSION TIES AND MUSSILL ANCHORS ARE TO BE PROVIDED BY SIMPSON STRONG-TIE.
 - ALL THREADED ROD ANCHORS MAY BE CAST IN PLACE OR POST-INSTALLED USING SIMPSON SET XP EPOXY ADHESIVE FOR EMBEDMENT DEPTH SOWN IN SCHEDULE.
 - HOLD DOWN POSTS SHALL BE CONSTRUCTED OF WOOD MEMBERS WITH MINIMUM DESIGN PROPERTIES LISTED ON SHEET S001 AND SHALL MATCH THE WIDTH OF THE WALL.
 - ALL THREADED ROD HOLDOWNS SHALL BE CHECKED FOR SNUG TIGHTNESS ONCE BUILDING IS IN A DRY-IN STATE AND BEFORE DRY WALL IS INSTALLED.

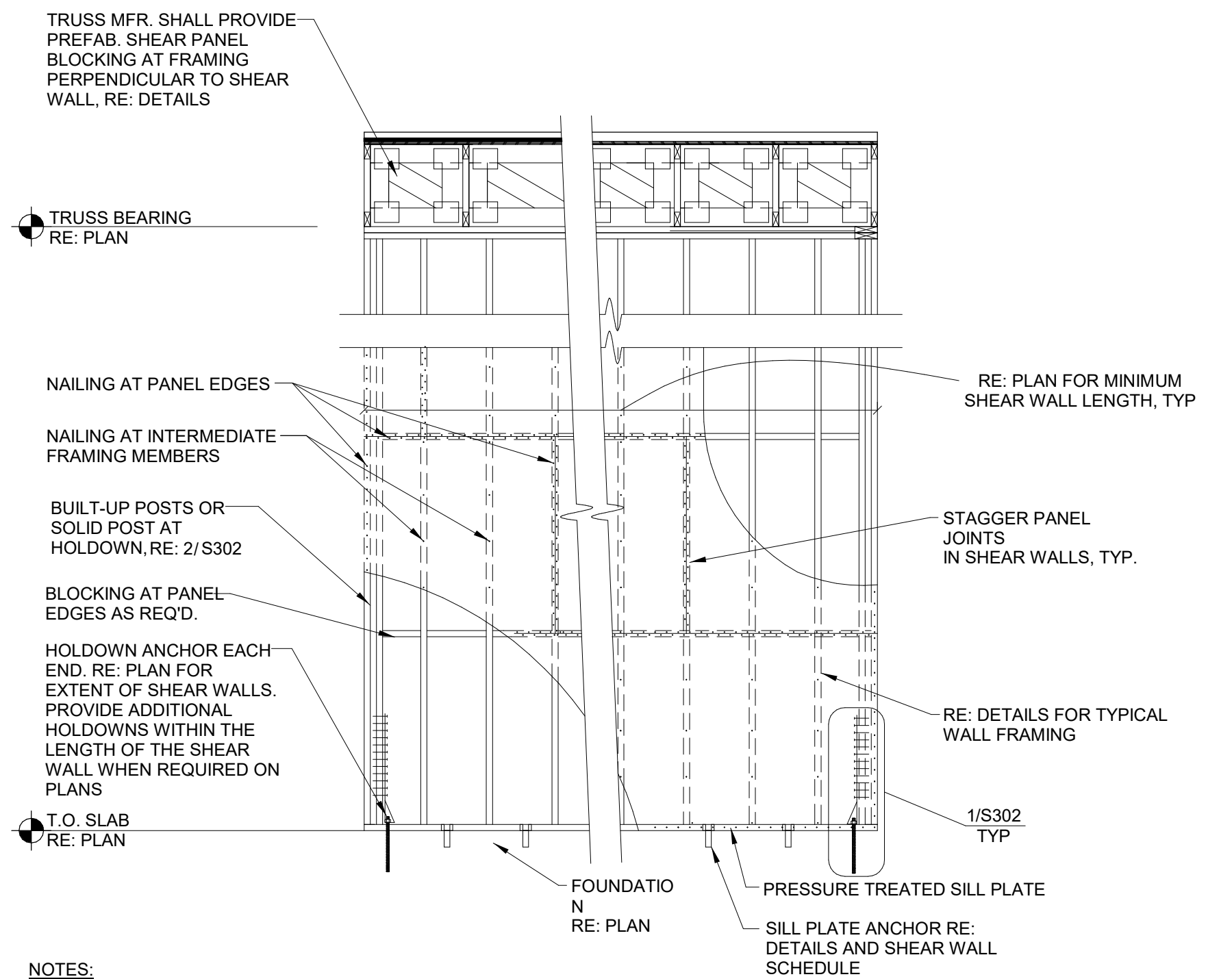
8 SHEARWALL SCHEDULE
3/4" = 1'-0"



5 BEARING WALL FRAMING ALIGNMENT
NTS



2 WALL FRAMING ALIGNMENT
NTS



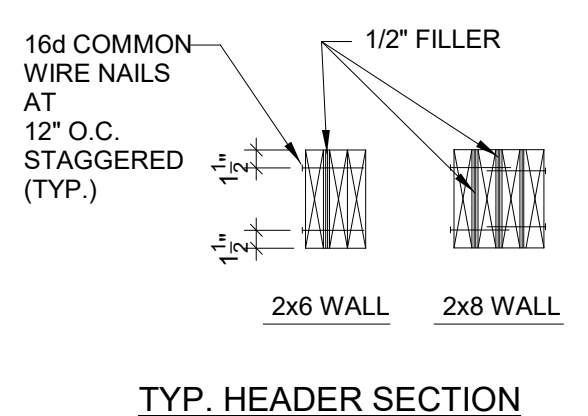
- NOTES:
- RE: PLANS FOR THE LOCATION AND EXTENT OF SHEAR WALLS. SHEAR WALL SHALL BE CONNECTED TO MINIMUM DIMENSIONS SHOWN ON PLANS.
 - PROVIDE GALVANIZED NAILS AT EXTERIOR FACE OF WALL.
 - RE: 8/S401 FOR SHEATHING.
 - HOLD DOWN POSTS SHALL BE ATTACHED TOGETHER PER BUILT-UP COLUMN DETAIL RE: 2/S302
 - NAILS SHALL BE COMMON FROM AN AMERICAN OR CANADIAN MFR ONLY.
 - PANEL BLOCKING SHALL BE FULL DEPTH AND BE PLACED FLAT CENTERED ON THE JOINT.
 - SHEAR WALL SHEATHING SHALL RUN CONTINUOUS THROUGH BREAKS CAUSED BY INTERSECTING WALLS.
 - SHEAR WALL SHEATHING AND NAILING SHALL BE CONTINUOUS BETWEEN HOLDOWN POST LOCATIONS AS SHOWN ON PLAN.
 - ALL THREADED ROD ANCHORS SHALL BE DRILLED IN USING SIMPSON SET XP EPOXY ADHESIVE.
 - NOTCHING OF SHEAR WALL END POSTS IS NOT ALLOWED.

7 SHEARWALL ELEVATION
3/4" = 1'-0"

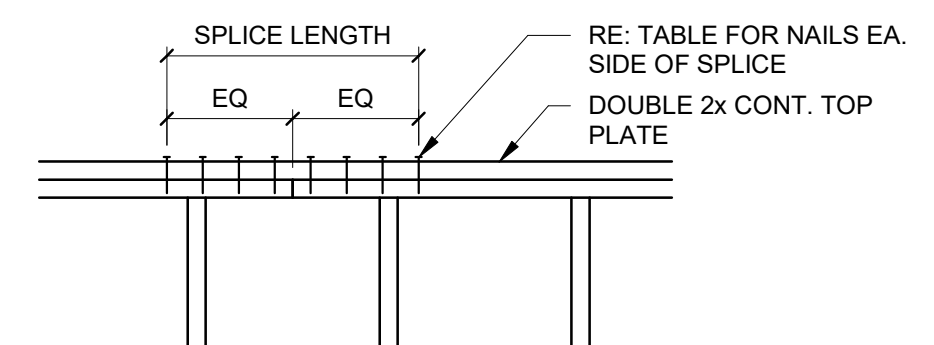
HEADER SCHEDULE				
PLAN MARK	# OF SILLS (IF REQUIRED)	(# OF HEADERS) HEADER SIZE	# OF 2x8 TRIMMER STUDS	# OF 2x8 JAMBS
H1	-	(2)-2x6	(1)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H2	(3)-2x8	(3)-2x8	(1)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H3	(3)-2x8	(3)-2x10	(1)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H4	-	(3)-1 3/4"x8" LVL	(2)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H5	-	(3)-1 3/4"x10" LVL	(2)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H6	(3)-2x8	(3)-1 3/4"x12" LVL	(2)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H7	-	(3)-1 3/4"x20" LVL	(2)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H8	-	W24x55	(2)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING
H9	-	(3)-2x12	(1)-2x8 EA. SIDE OF OPENING	(2)-2x8 EA. SIDE OF OPENING

- NOTE:
- USE 1/4" THICK BEADS OF LIQUID NAILS CONSTRUCTION ADHESIVE BETWEEN EA. PLY OF BUILT-UP HEADERS TO PRODUCE MEMBERS SAME THICKNESS AS WALL STUDS.
 - VERIFY LENGTH OF HEADERS W/ STRUCTURAL & ARCHITECTURAL PLANS.
 - WALL OPENING FRAMING ELEVATION PER 2/S401.

4 HEADER SCHEDULE
3/4" = 1'-0"

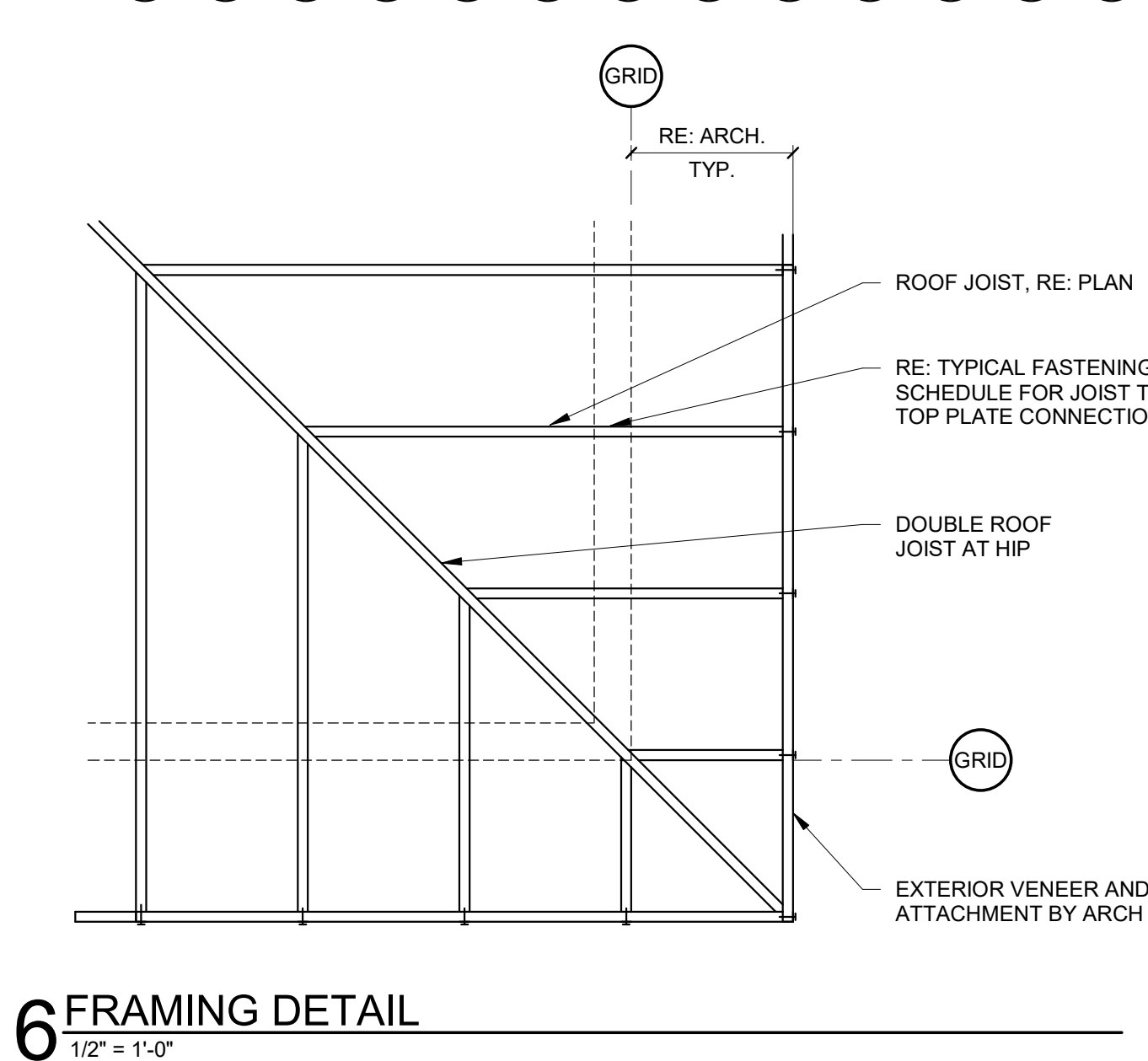
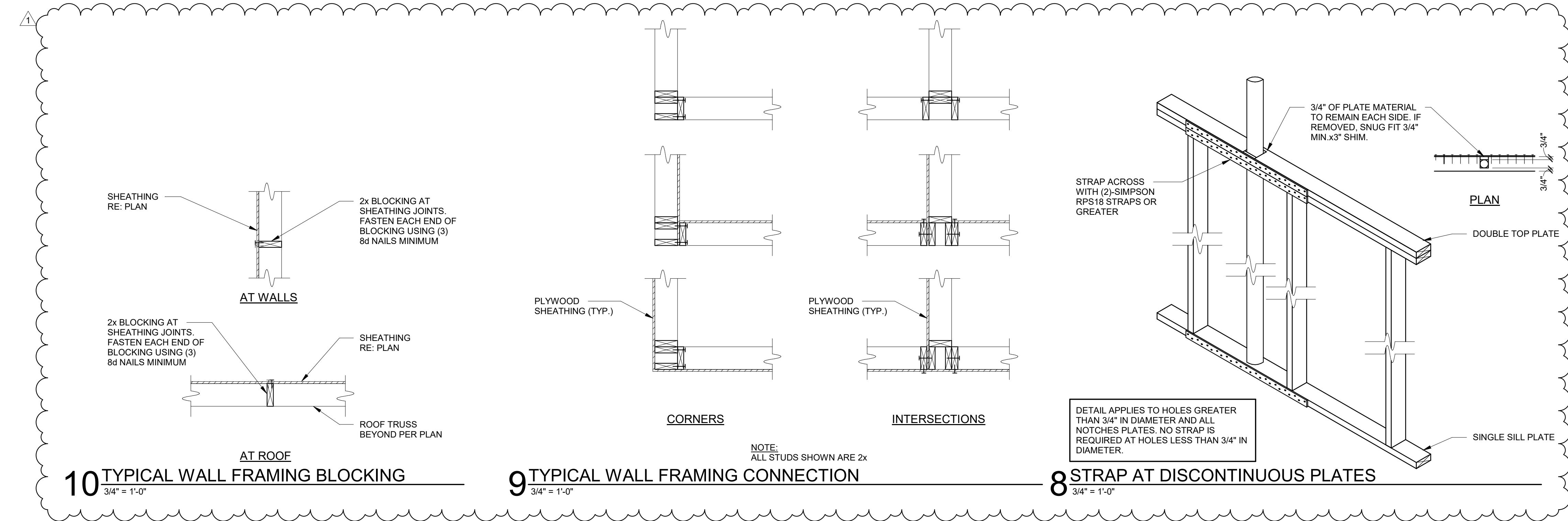
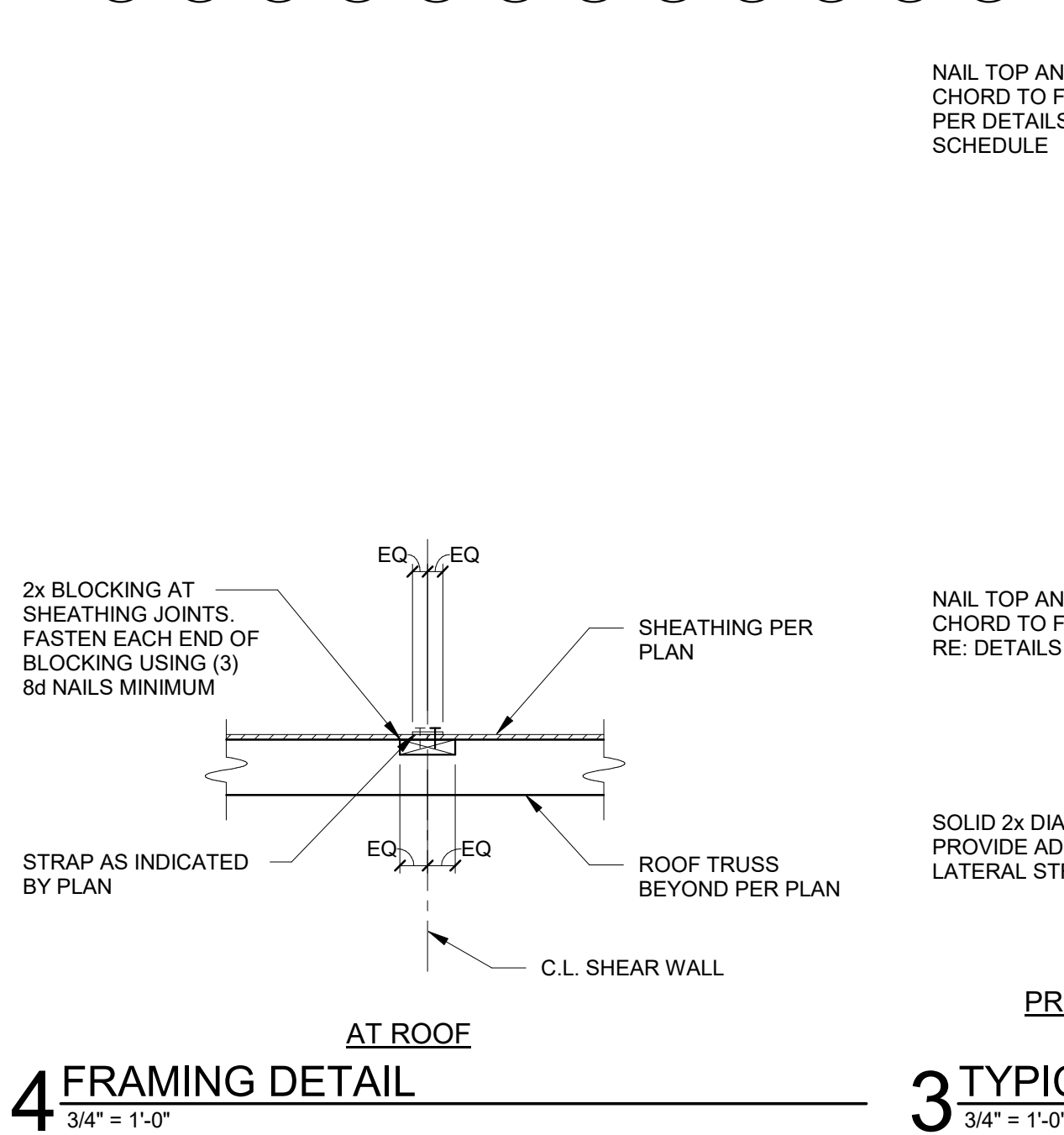
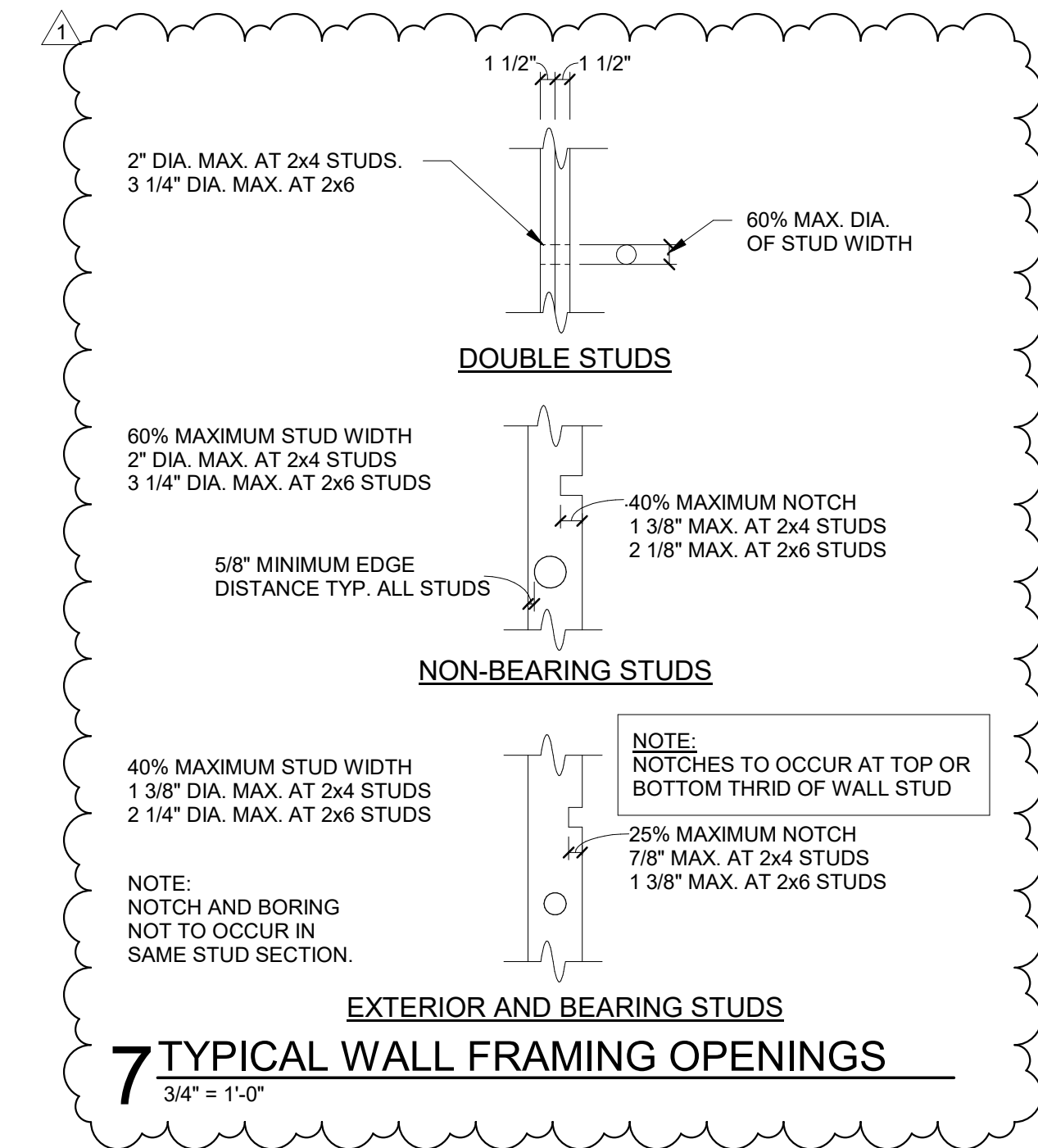


LOCATION	SPLICE LENGTH	NAILS EA. SIDE OF SPLICE
TYPICAL	4'-0"	(8)-16d
AT SHEAR WALLS	X'-X"	(X)-16d



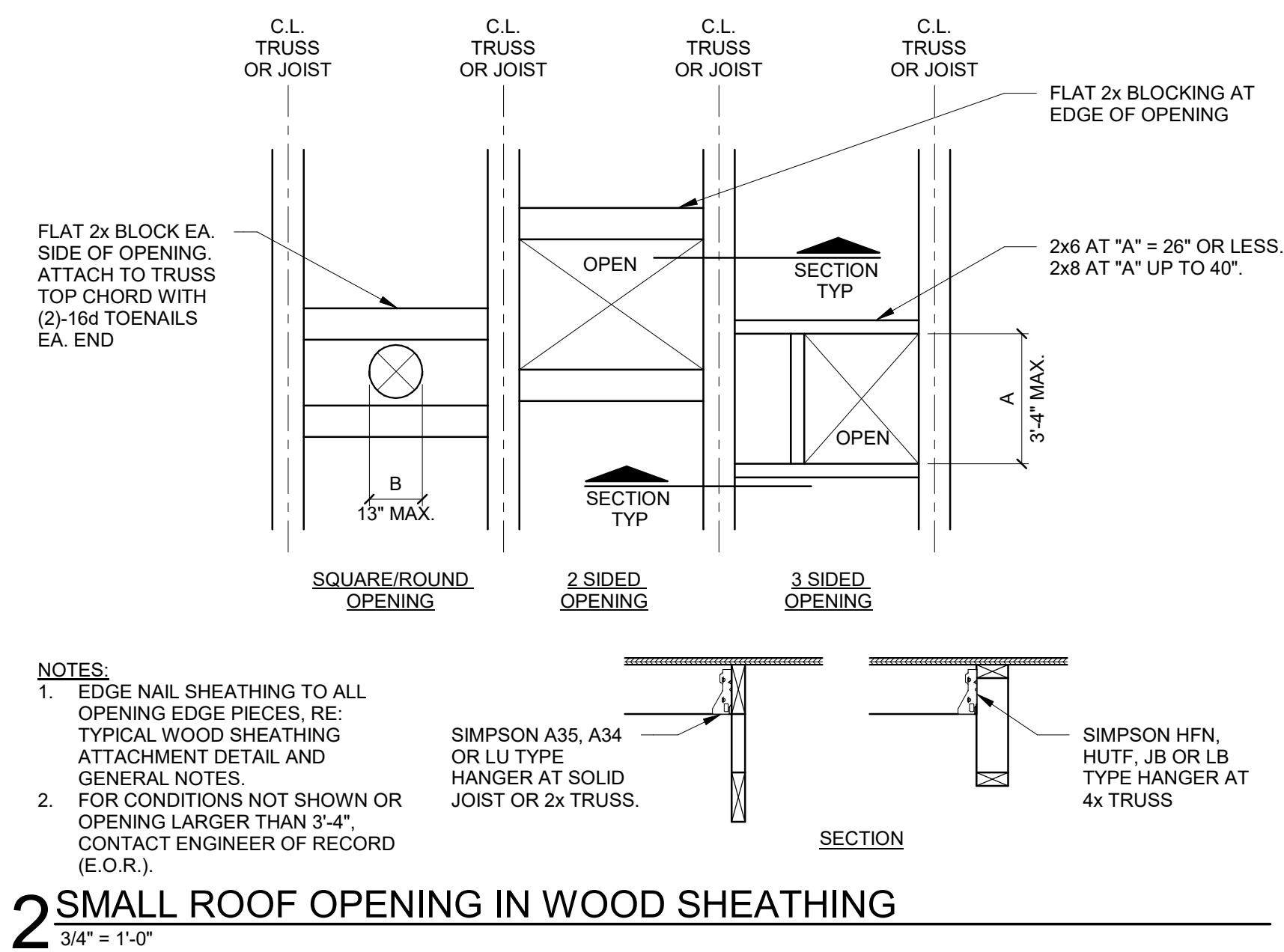
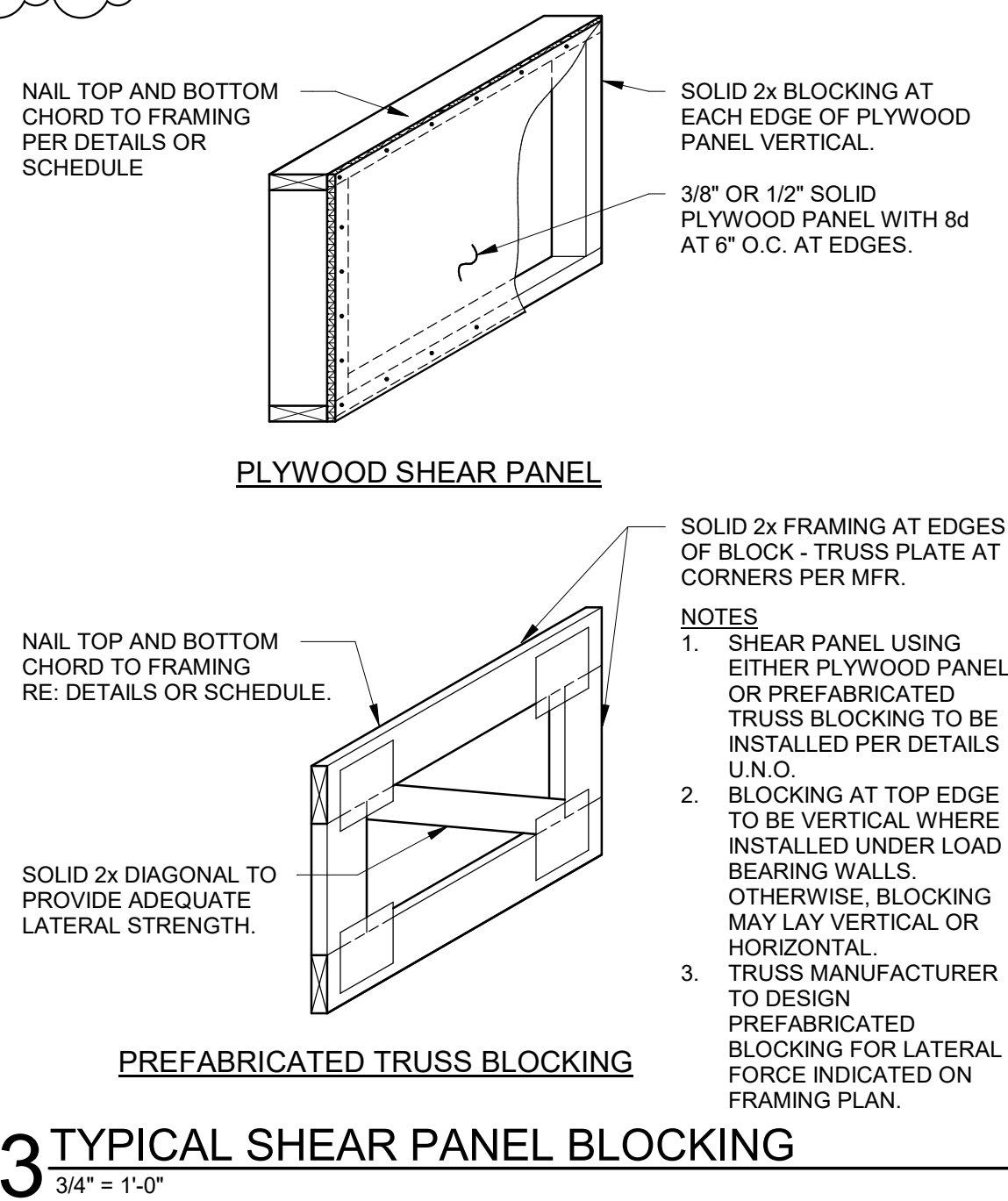
- NOTES
- END JOINTS IN DOUBLE TOP PLATES SHALL OFFSET A MINIMUM OF 48".
 - INSTALL DOUBLE TOP PLATE SPLICE AT ALL SHEAR WALLS, EXTERIOR WALLS AND BEARING WALLS.
 - SPECIFIC SPLICE REQUIREMENTS DO NOT APPLY TO INTERIOR NON-SHEAR WALLS UNLESS NOTED OTHERWISE

1 TYPICAL TOP PLATE SPLICE
3/4" = 1'-0"



5 NAIL SIZE SCHEDULE
3/4" = 1'-0"

NAIL SIZE SCHEDULE	
6d COMMON	0.133" DIA. x 2"
8d COMMON	0.131" DIA. x 2 1/2"
10d COMMON	0.148" DIA. x 3"
12d COMMON	0.148" DIA. x 3 1/4"
16d COMMON	0.162" DIA. x 3 1/2"
20d COMMON	0.192" DIA. x 4"
30d COMMON	0.207" DIA. x 4 1/2"

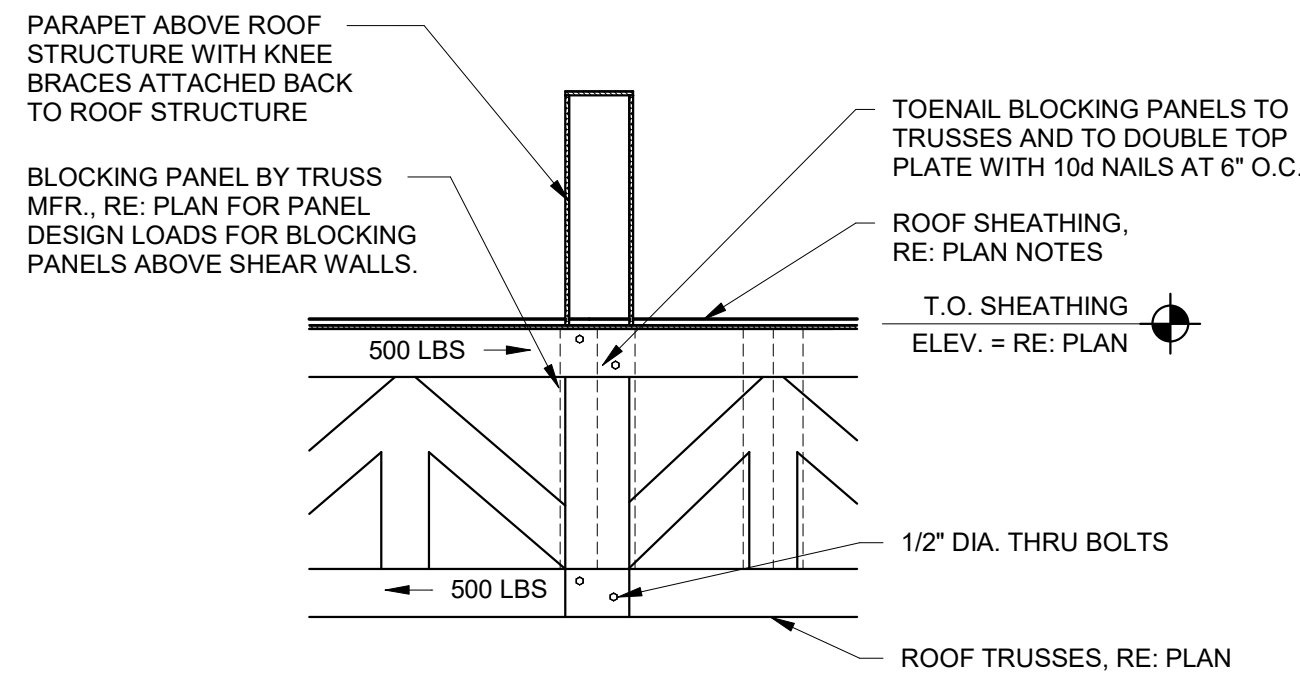


TYPICAL NAILING SCHEDULE

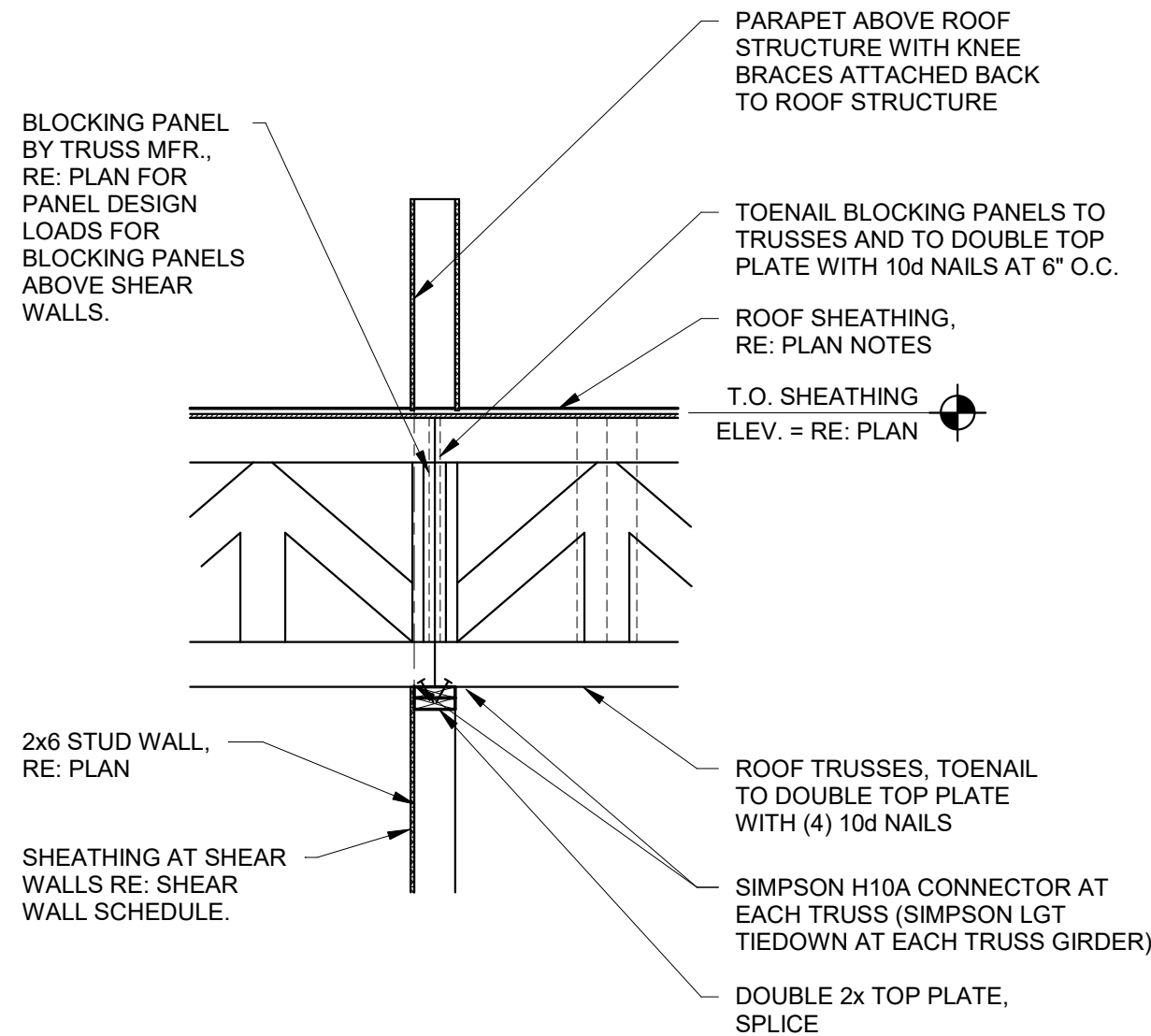
CONNECTION	NAILING
TRUSS/JOIST/RAFTER TO SILL, TOP PLATE OR GIRDER	(3) 8d TOE NAIL
BRIDGING OR BLOCKING TO JOIST	(2) 8d TOE NAIL EA. END
BRIDGING OR BLOCKING BETWEEN JOIST TO TOP PLATE	(3) 8d TOE NAIL EA. END
BOTTOM PLATE TO JOIST OR BLOCKING	16d AT 24" O.C.
STUD TO TOP OR BOTTOM PLATE	(2) 16d END NAIL / (4) 8d TOE NAIL
STUD TO STUD AND BUILT-UP CORNER STUDS	10d AT 16" O.C. FACE NAIL OR 16d AT 24" O.C. FACE NAIL
DOUBLE TOP PLATES, MIN. 24" OFFSET OF END JOISTS	10d AT 12" O.C. FACE NAIL 16d AT 16" O.C. FACE NAIL
DOUBLE TOP PLATES AT END JOIST, MIN 24" OFFSET	(8) 16d EA. SIDE OF JOINT FACE NAIL
TOP PLATES, LAPS AND INTERSECTIONS	(2) 16d FACE NAIL
RIM JOISTS TO TOP PLATE	8d AT 6" O.C. TOE NAIL
JOISTS TO BAND JOIST OR RIM JOIST	(3) 16d END NAIL
BUILT-UP HEADER (2x TO 2x WITH 1/2" MAX. SPACER)	16d AT 16" O.C., FACE NAIL EA. EDGE
DOUBLE TRUSSES (2x TO 2x CHORD MEMBERS)	16d AT 16" O.C., FACE NAIL EA. CHORD
BUILT-UP BEAMS, (2x LAYERS WITH 3 OR MORE PLYS) (RE: NOTE 4)	20d AT 32" O.C. FACE NAIL AT TOP AND BOTTOM AND STAGGERED ON OPPOSITE SIDES. TWO NAILS AT EA. END AND AT EA. SPLICE
CONTINUOUS HEADER TO STUD	(4) 8d TOE NAIL
CEILING JOIST TO TOP PLATE	(3) 8d TOE NAIL
CEILING JOIST LAP OF PARTITION	(3) 16d FACE NAIL
CEILING JOIST TO PARALLEL RAFTERS	AS REQUIRED RE: IBC
COLLAR TIE TO PARALLEL RAFTERS	(3) 10d FACE NAIL
RAFTER TO 2x RIDGE BEAM	(2) 16d END NAIL / (3) 10d TOE NAIL
RAFTER TO VALLEY OR HIP RAFTER	(2) 16d END NAIL / (3) 10d TOE NAIL
1" BRACE TO EA. STUD PLATE	(2) 8d FACE NAIL
LEDGER STRIP	(3) 16d FACE NAIL AT EA. JOIST
1"x6" SUBFLOOR OR LESS	(2) 8d FACE NAIL, EA. JOIST
WIDER THAN 1"x6" SUBFLOOR	(2) 8d FACE NAIL, EA. JOIST
2" SUBFLOOR TO JOIST OR GIRDER	(2) 16d BLIND AND FACE NAIL
2" PLANKS	(2) 16d FACE NAIL EA. BEARING
1"x6" SHEATHING	(2) 8d FACE NAIL EA. BEARING
1"x8" AND WIDER SHEATHING	(2) 8d FACE NAIL EA. BEARING

NOTE:
1. THE ABOVE ARE MIN. NAILING REQUIREMENTS. REFER TO GENERAL NOTES, DETAILS, AND SCHEDULES FOR MORE STRINGENT REQUIREMENTS.
2. PROVIDE COMMON WIRE NAILS FROM U.S.A. OR CANADIAN MFR., U.N.O. NAIL SIZES SHALL BE AS FOLLOWS:
A. 6d COMMON 0.113" DIA.x2"
B. 8d COMMON 0.131" DIA.x2 1/2"
C. 10d COMMON 0.148" DIA.x3"
D. 12d COMMON 0.148" DIA.x3 1/4"
E. 16d COMMON 0.162" DIA.x3 1/2"
F. 20d COMMON 0.192" DIA.x4"
G. 30d COMMON 0.207" DIA.x4 1/2"
3. RE: IBC FASTENING SCHEDULE FOR MINIMUM WOOD FASTENING REQUIREMENTS NOT SHOWN.
4. PROVIDE ADDITIONAL ROW OF NAILS WHEN DEPTH IS 14" OR GREATER.
5. PROVIDE HOT-DIPPED ZINC-COATED GALVANIZED NAILS AT EXTERIOR FACE OF WALLS.
6. RE: GENERAL NOTES AND SHEAR WALL SCHEDULE FOR SHEATHING ATTACHMENT.
7. IN LIEU OF NAILS SHOWN, CONTRACTOR MAY USE EQUIVALENT PNEUMATIC NAILS RE: -/-.-.

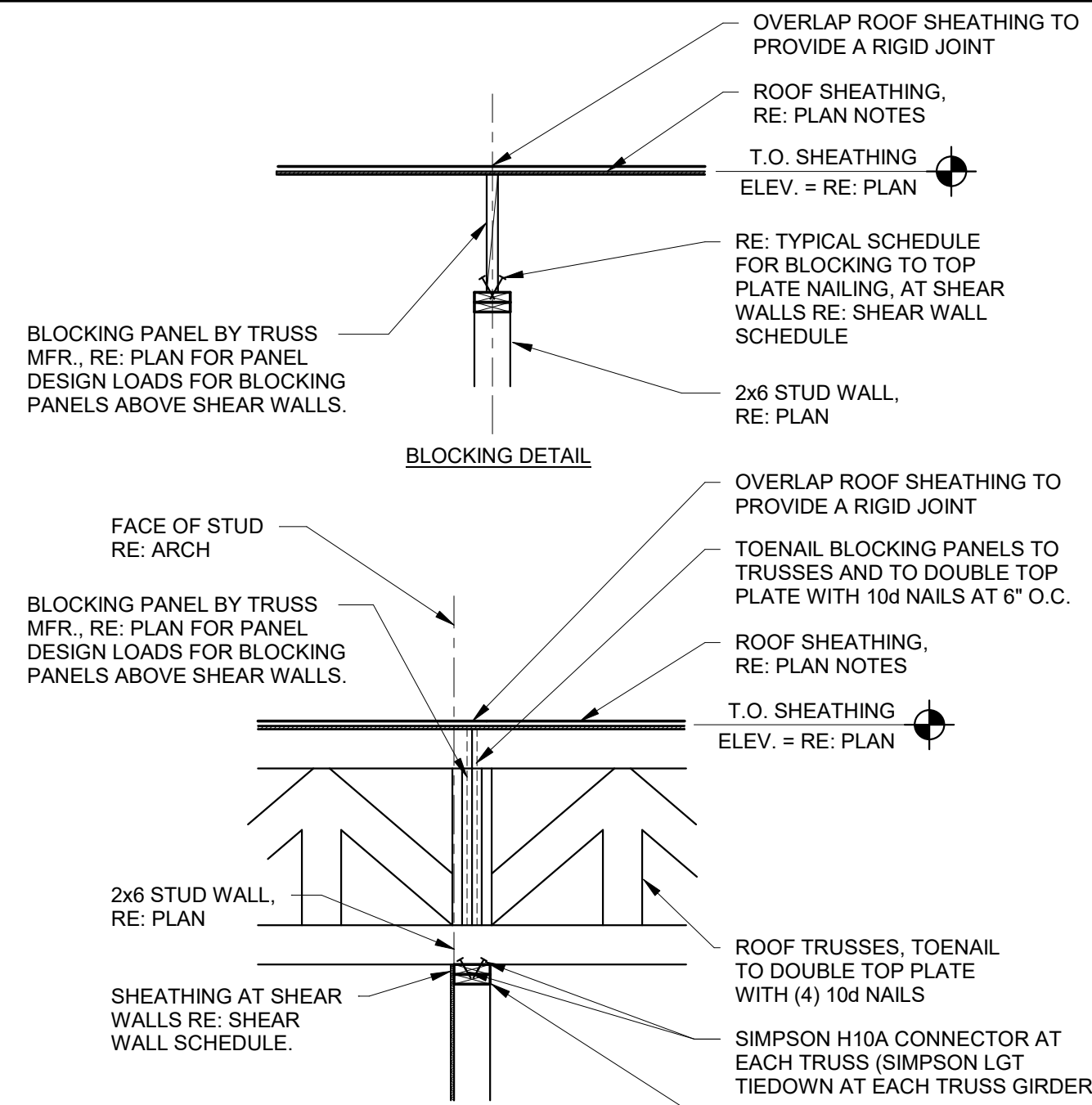
1 TYPICAL NAILING SCHEDULE
3/4" = 1'-0"



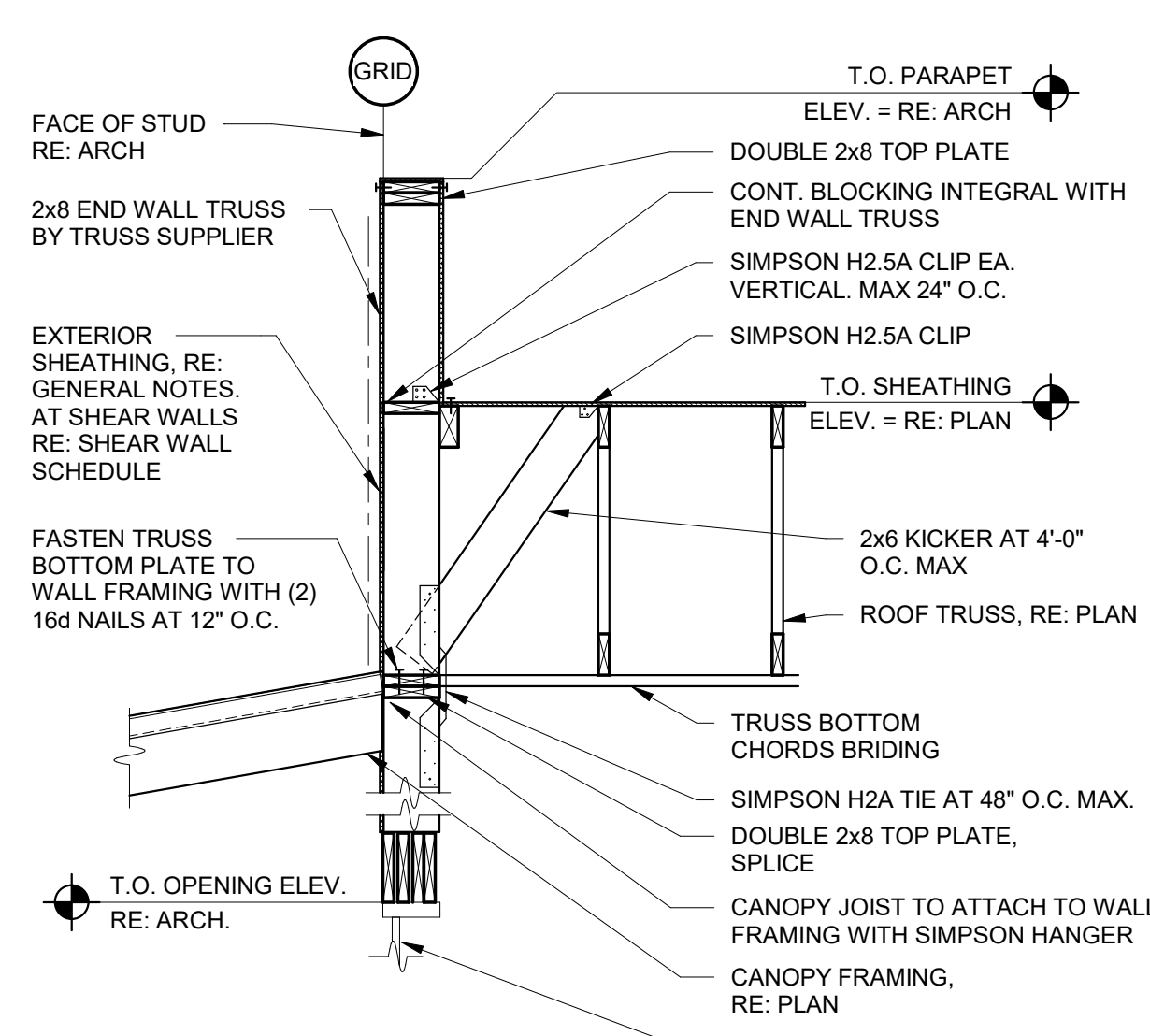
12 FRAMING DETAIL
1/2" = 1'-0"



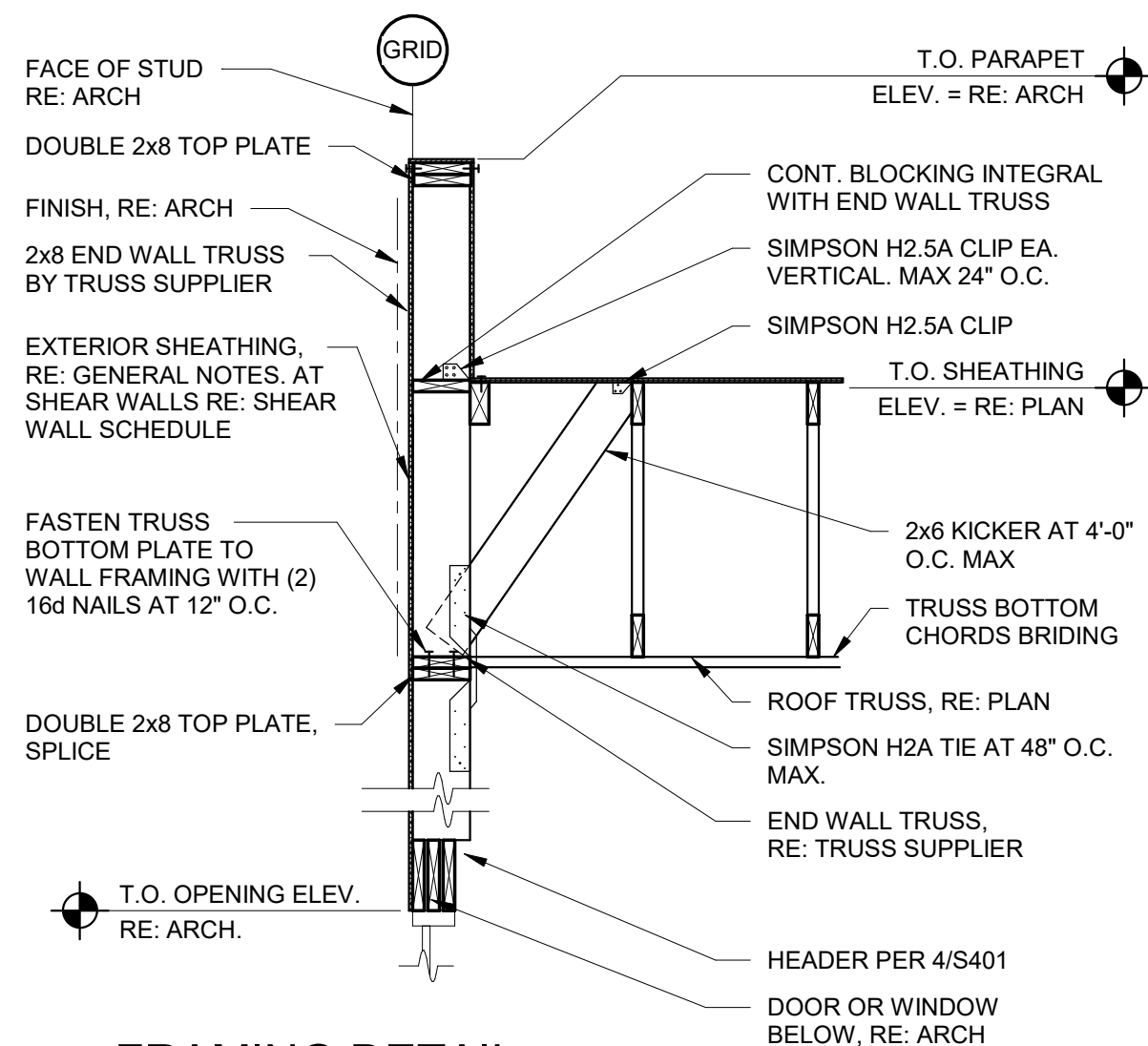
11 FRAMING DETAIL
1/2" = 1'-0"



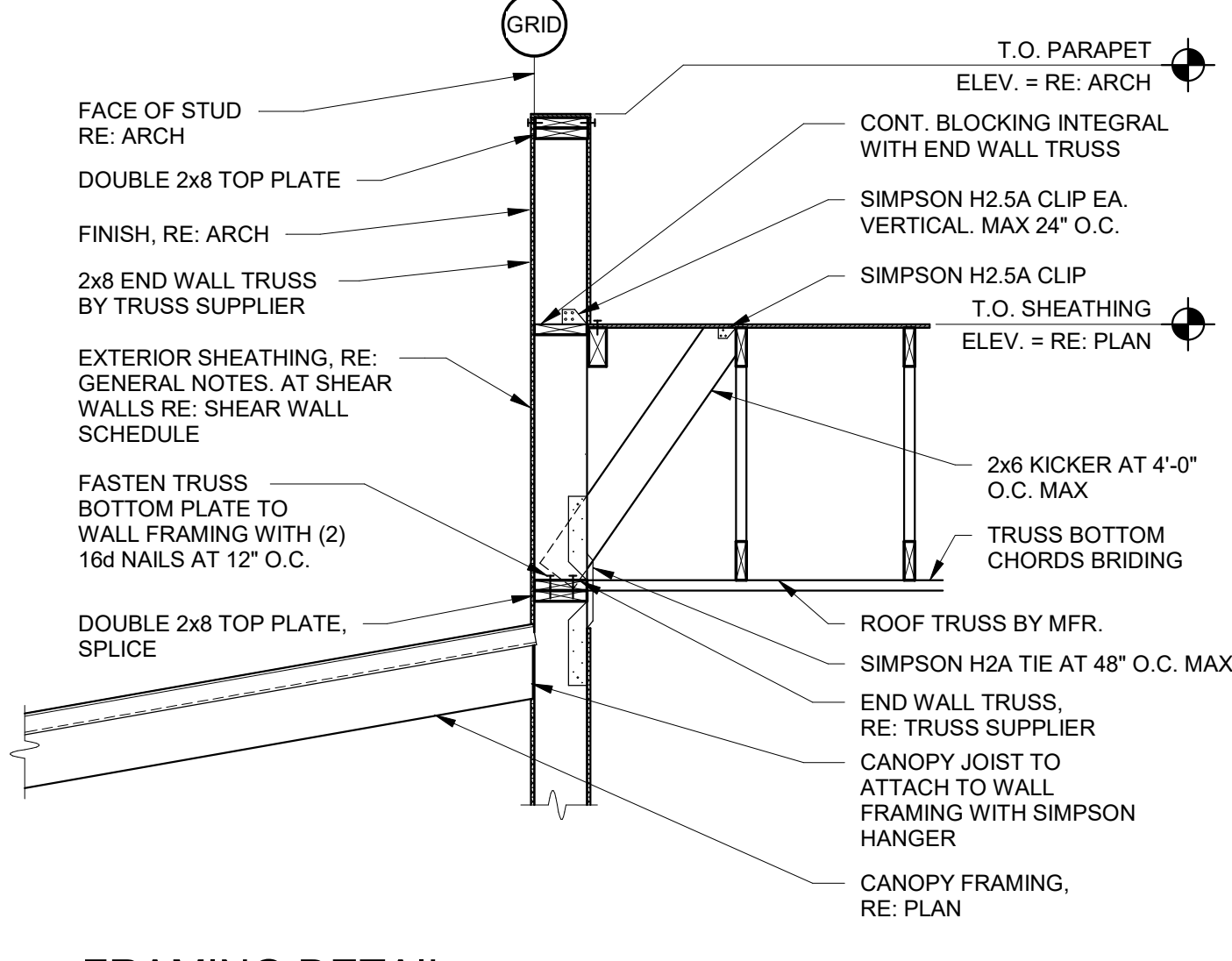
10 FRAMING DETAIL
1/2" = 1'-0"



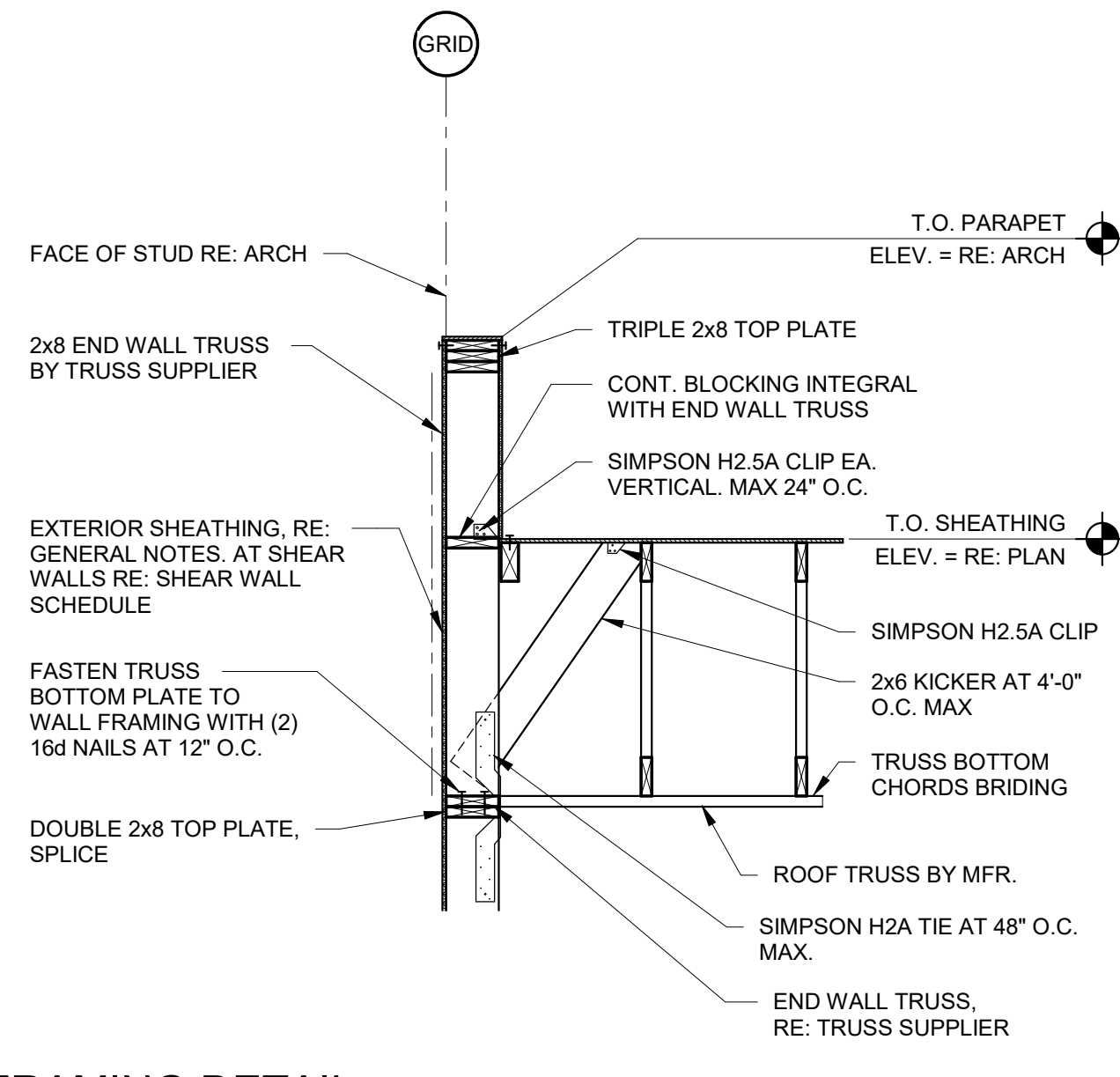
9 FRAMING DETAIL
1/2" = 1'-0"



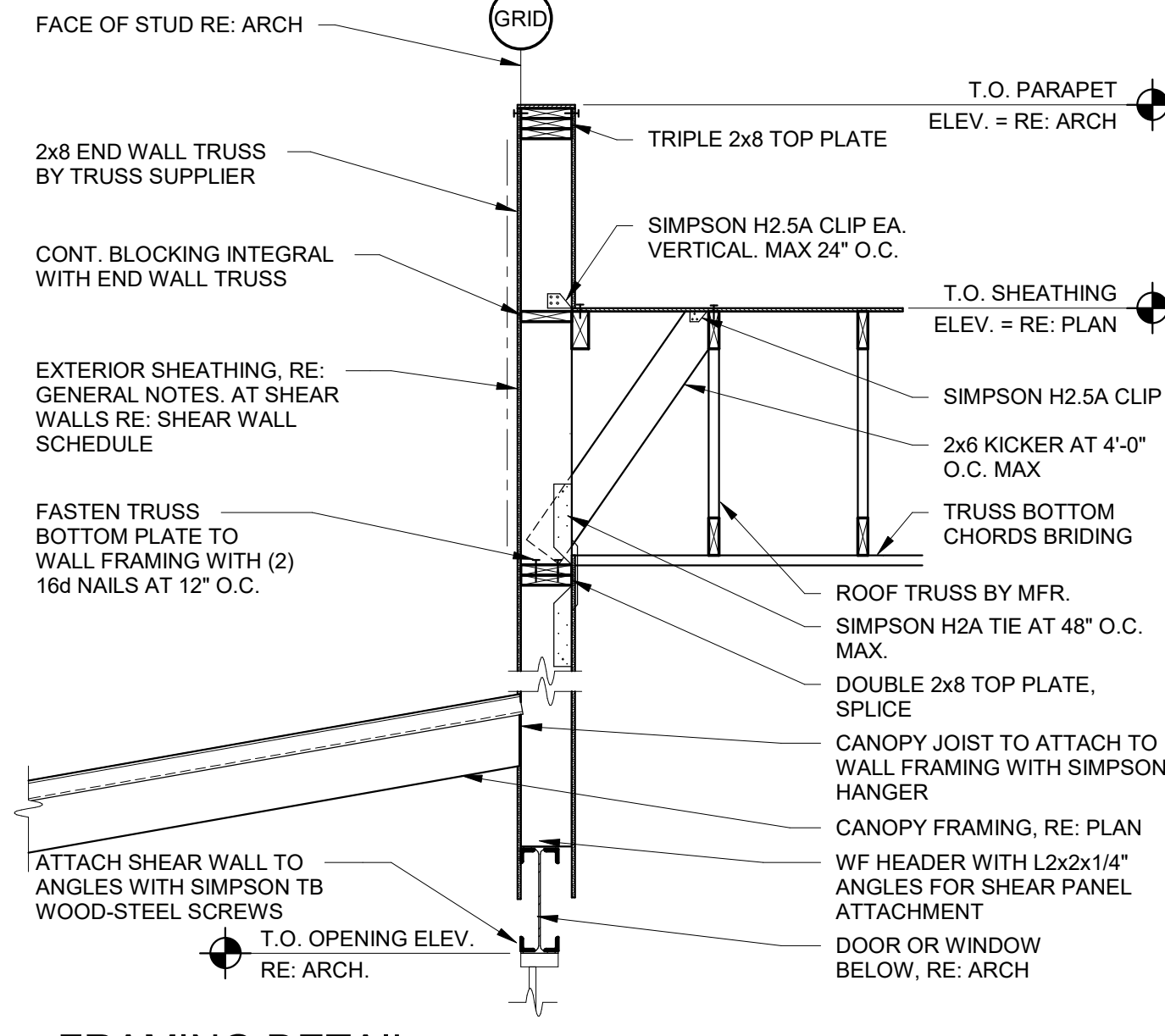
8 FRAMING DETAIL
1/2" = 1'-0"



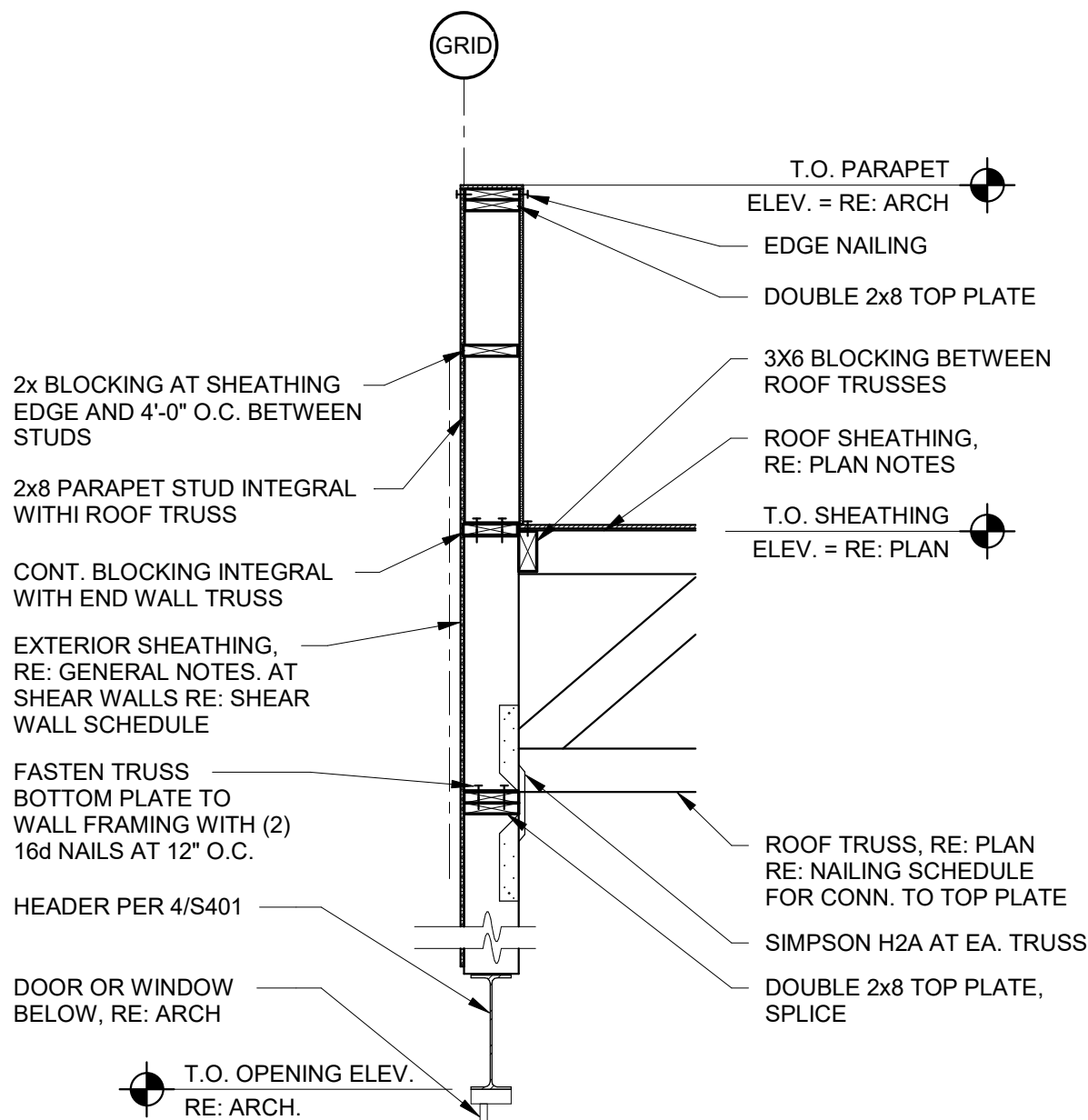
7 FRAMING DETAIL
1/2" = 1'-0"



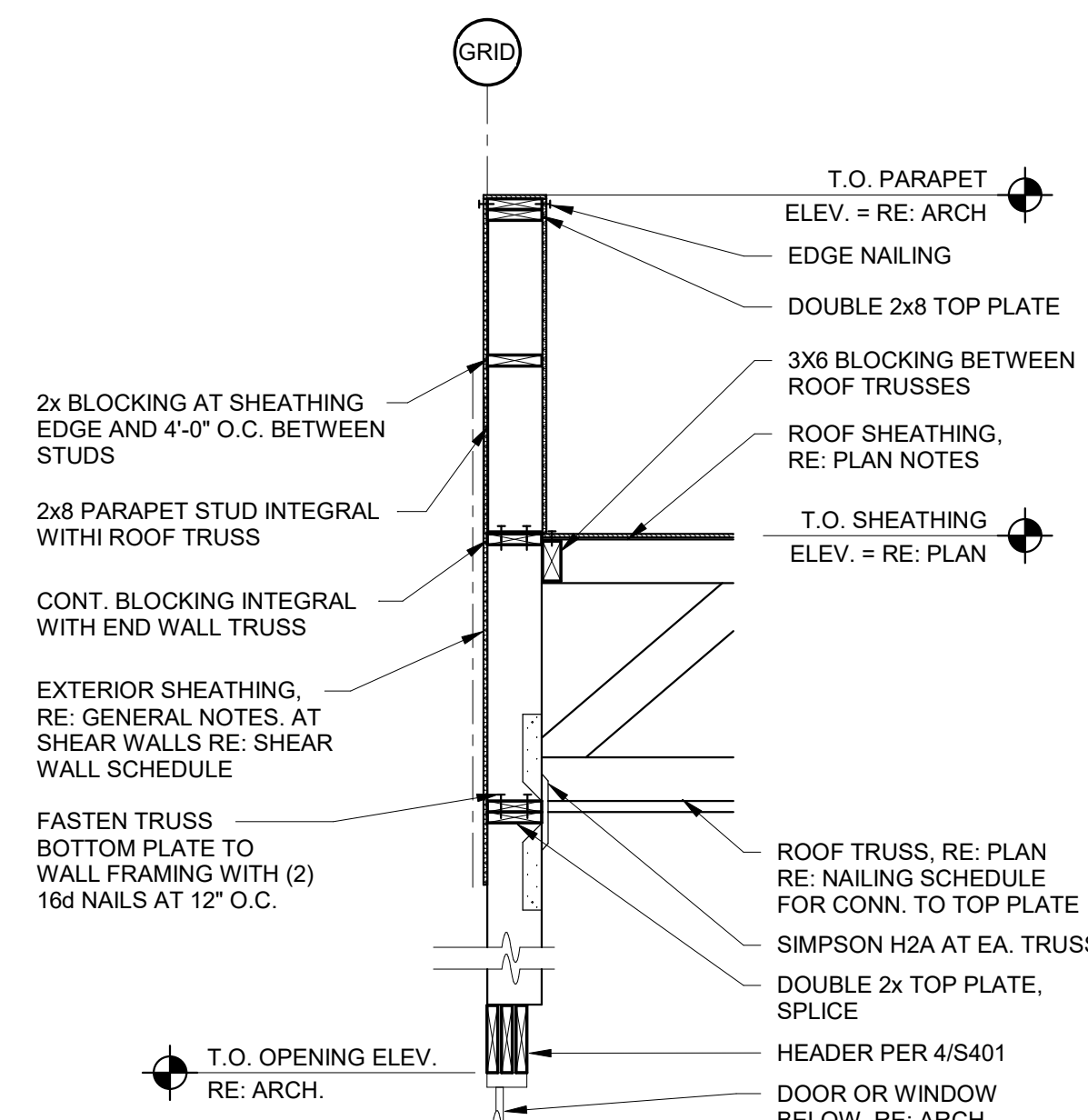
6 FRAMING DETAIL
1/2" = 1'-0"



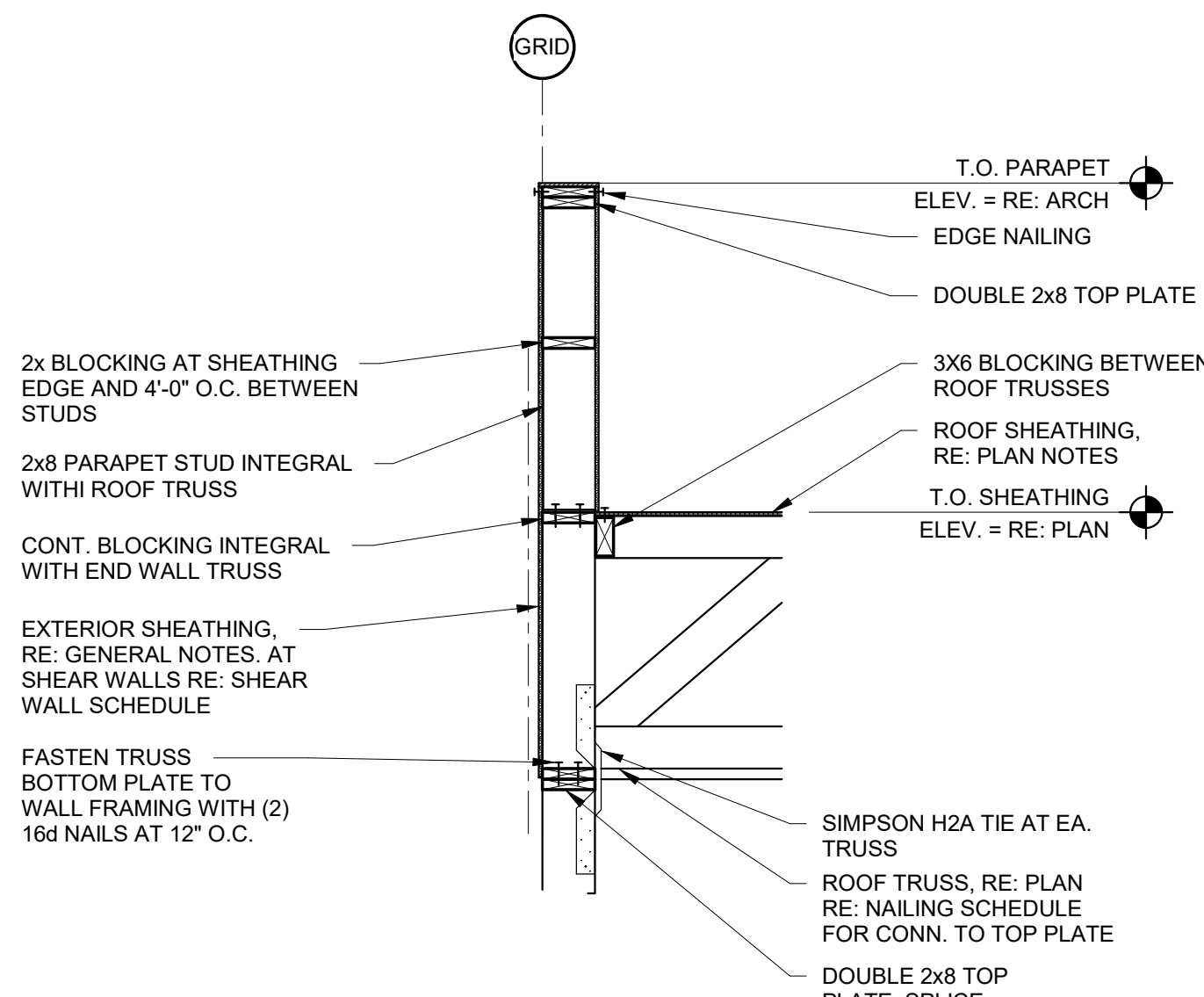
5 FRAMING DETAIL
1/2" = 1'-0"



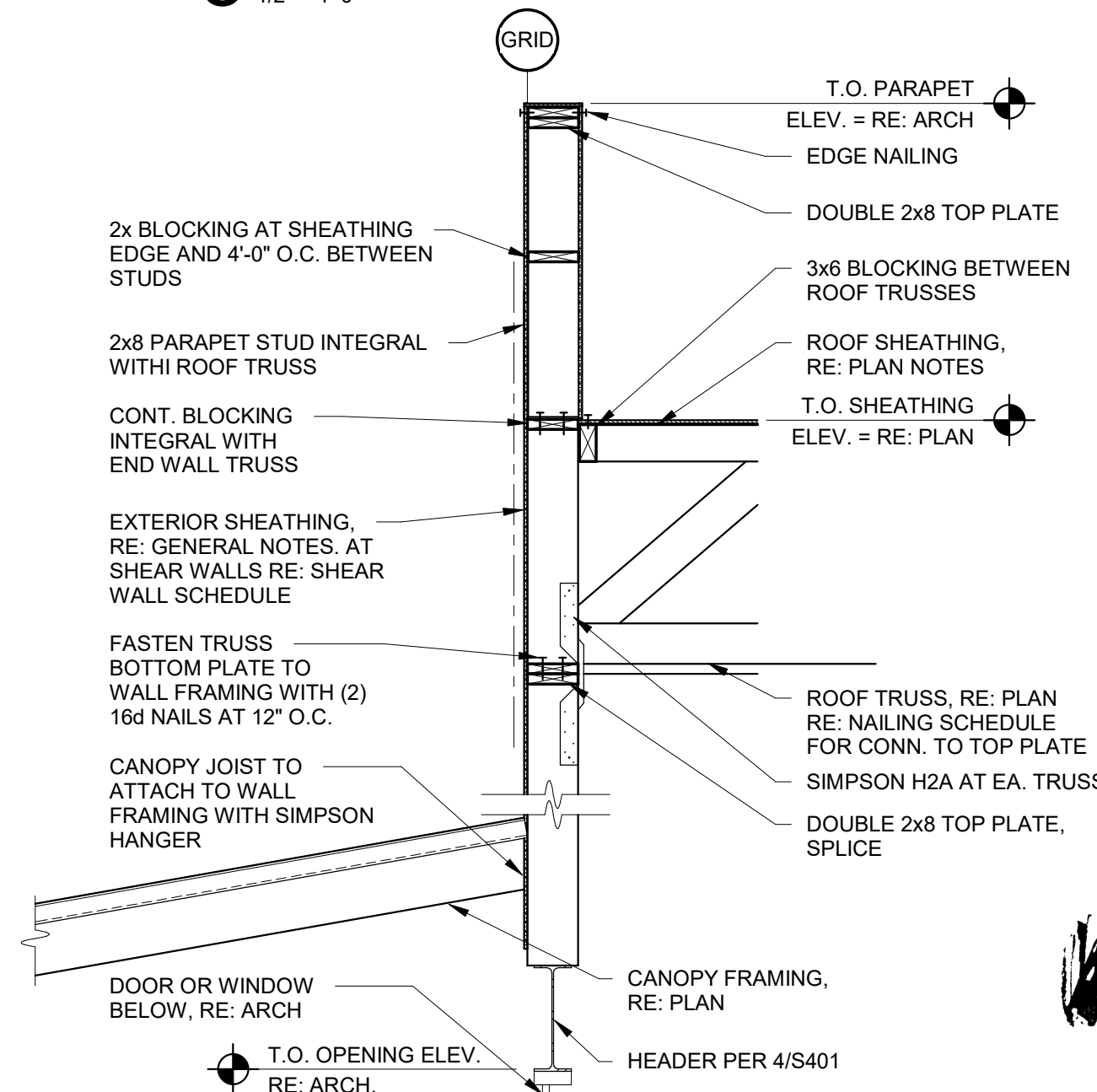
4 FRAMING DETAIL
1/2" = 1'-0"



3 FRAMING DETAIL
1/2" = 1'-0"



2 FRAMING DETAIL
1/2" = 1'-0"



1 FRAMING DETAIL
1/2" = 1'-0"

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project title
**LOT 12 OF WEST PRYOR
NW PRYOR RD AND
HIGHWAY 470
LEE'S SUMMIT, MO 64081**

project number
222045

drawing issuance
ISSUED FOR PERMIT 12/09/2022

drawing revisions
No. Description Date:
1 CITY COMMENTS 01/10/23



DATE SIGNED: 1/16/2023 4:42:22 PM
drawing title
FRAMING DETAILS

drawing number
S403

wallace design collective
wallace design collective, pc
structural/civil/landscape/survey
1703 wyandotte street, suite 200
kansas city, missouri 64108
816.421.6262 800.364.5858

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professional seal



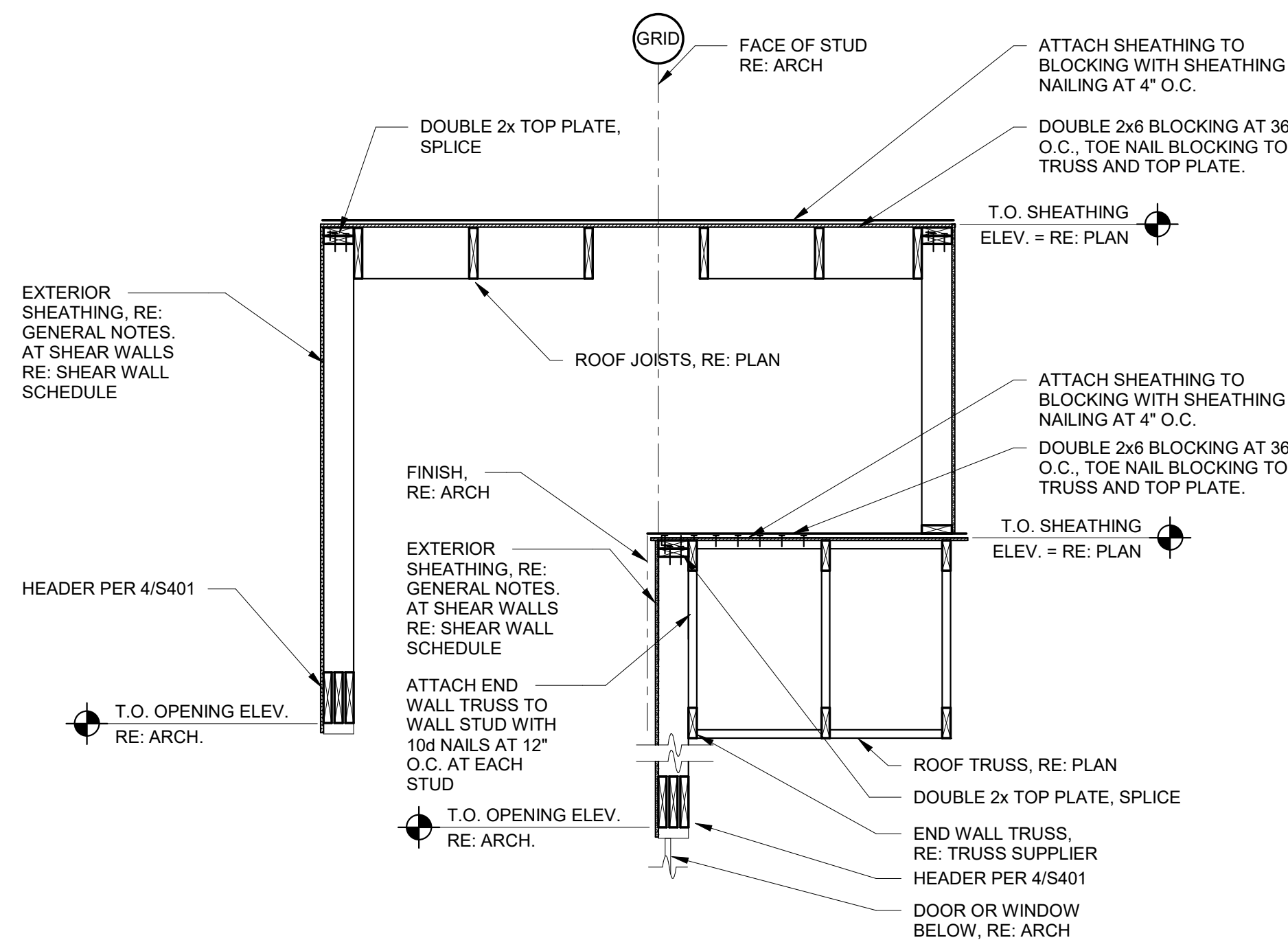
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drawing title

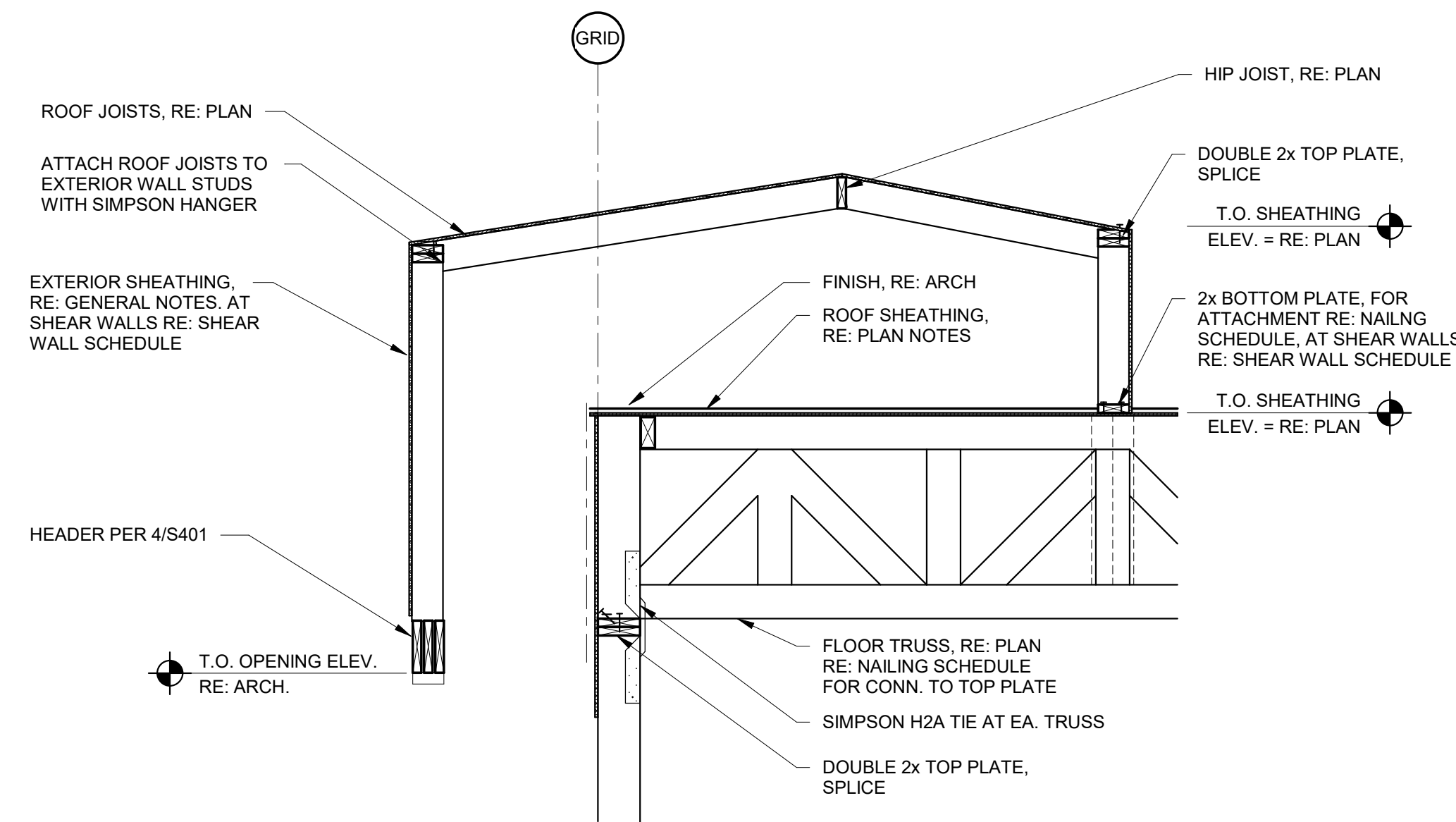
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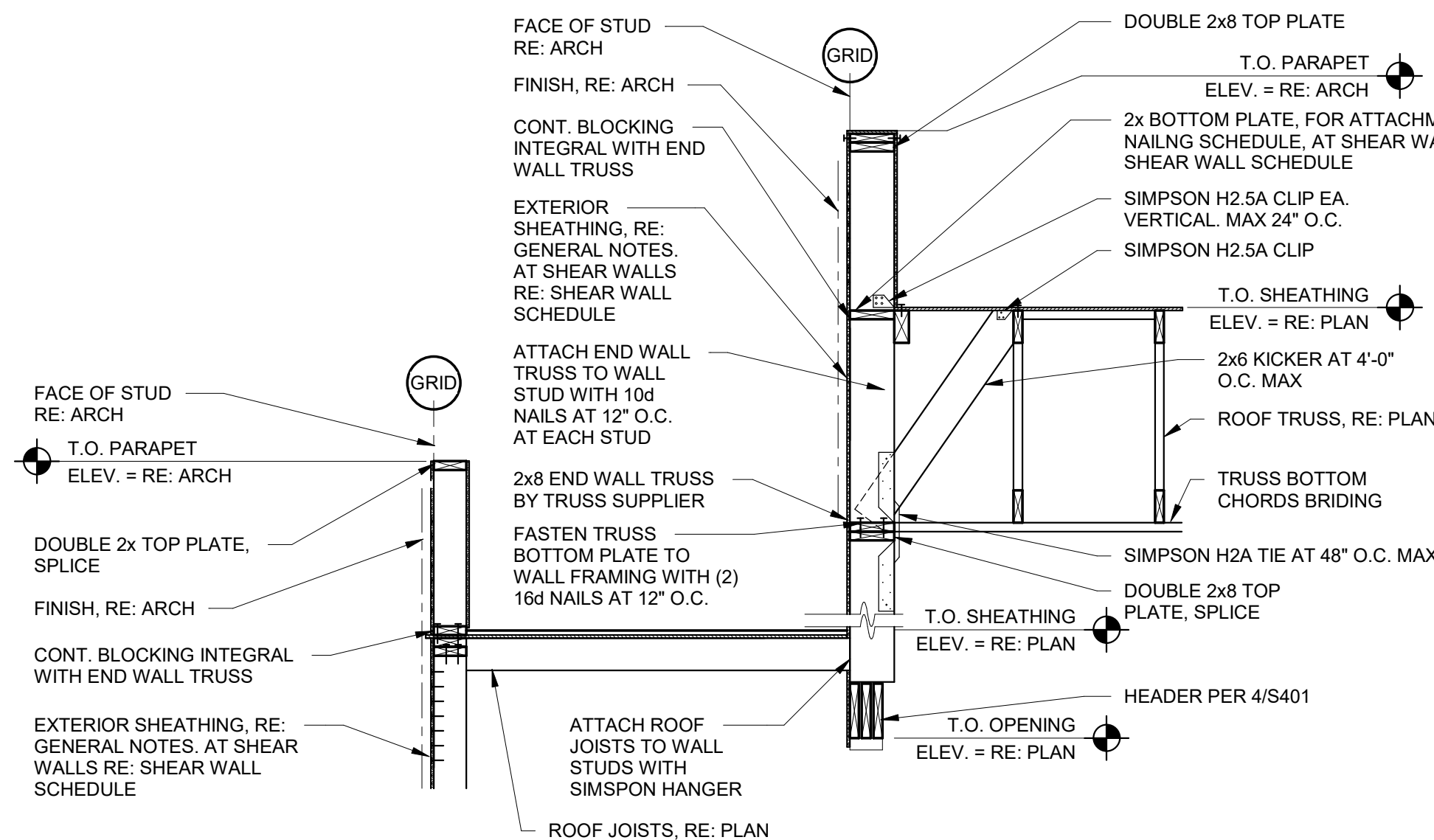
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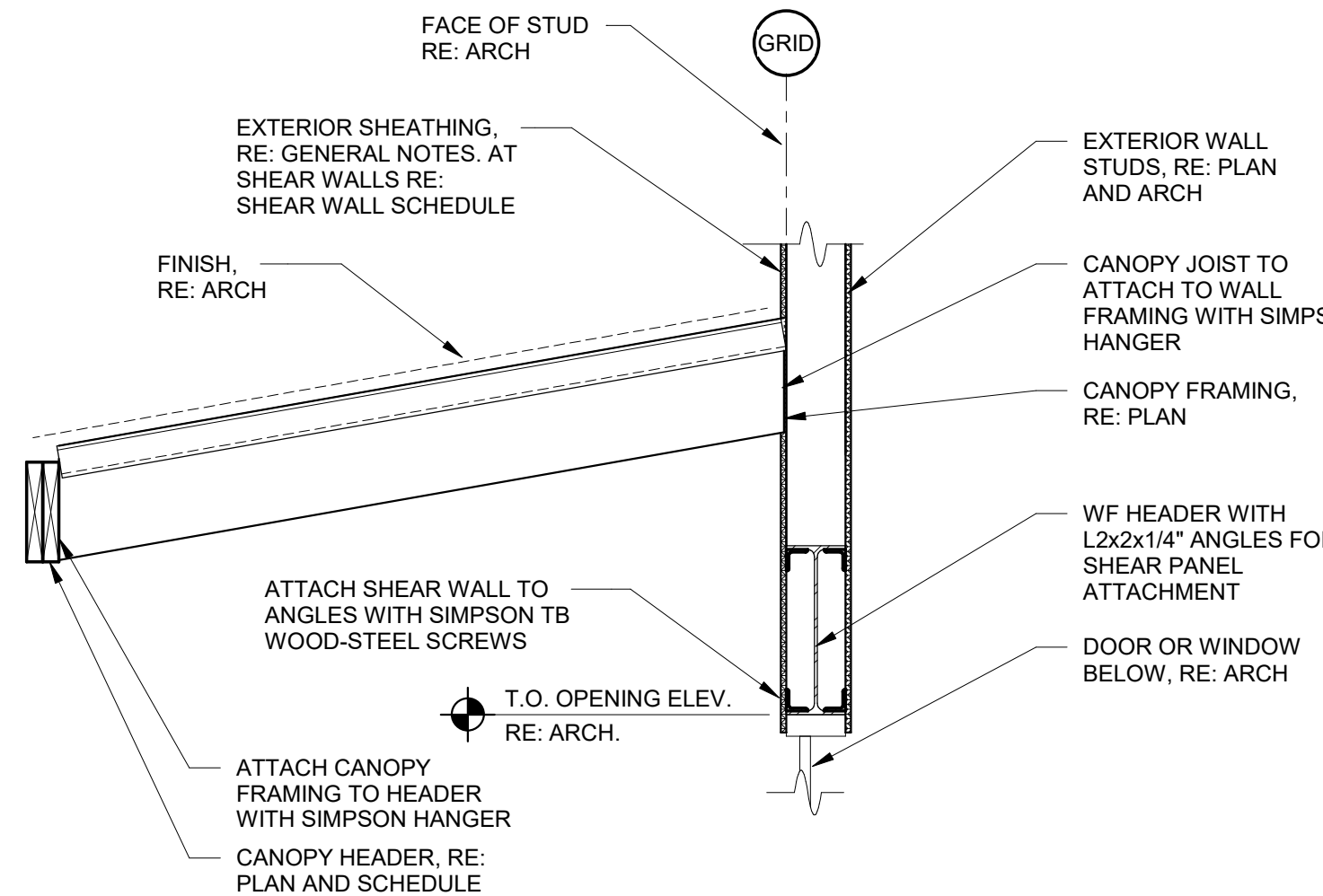
9 FRAMING DETAIL
1/2" = 1'-0"



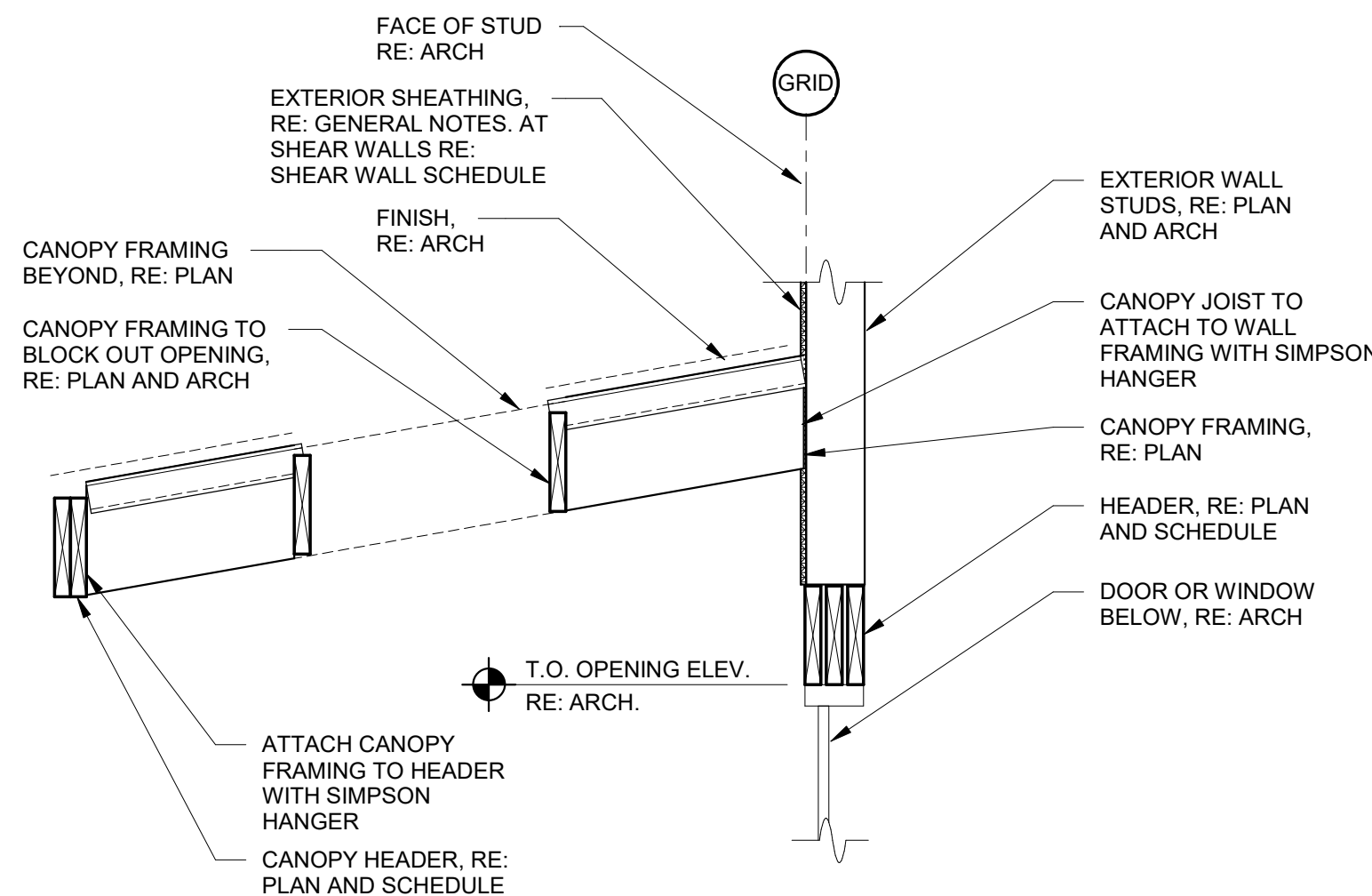
8 FRAMING DETAIL
1/2" = 1'-0"



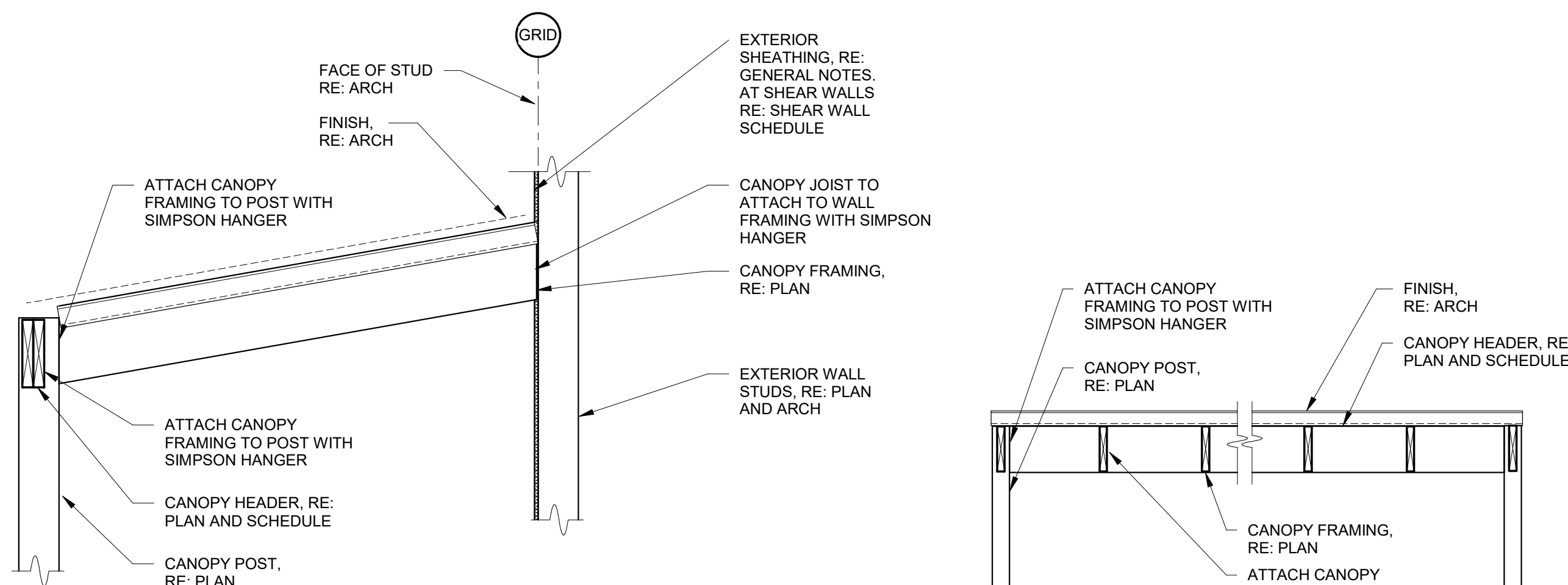
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1/2" = 1'-0"



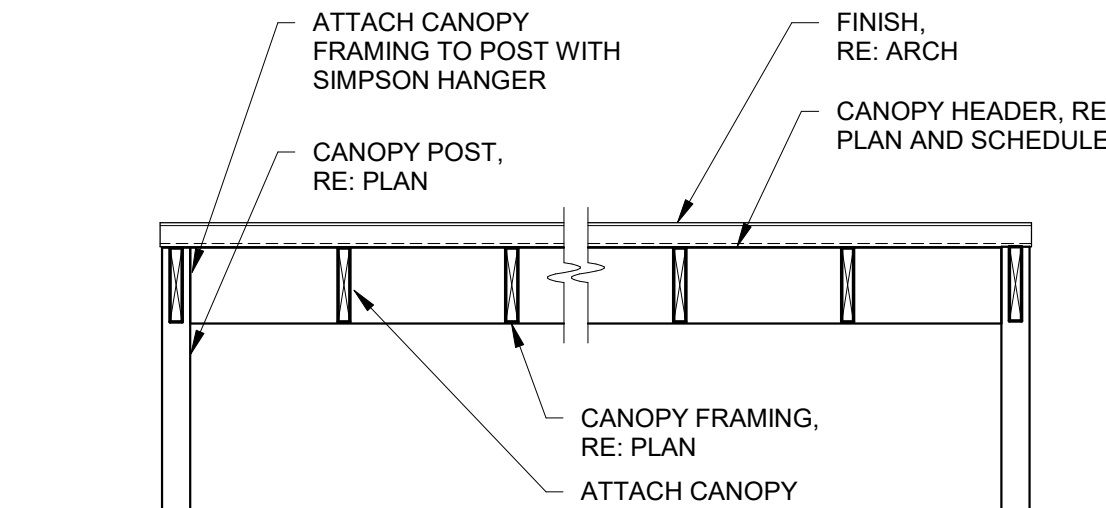
6 FRAMING DETAIL
3/4" = 1'-0"



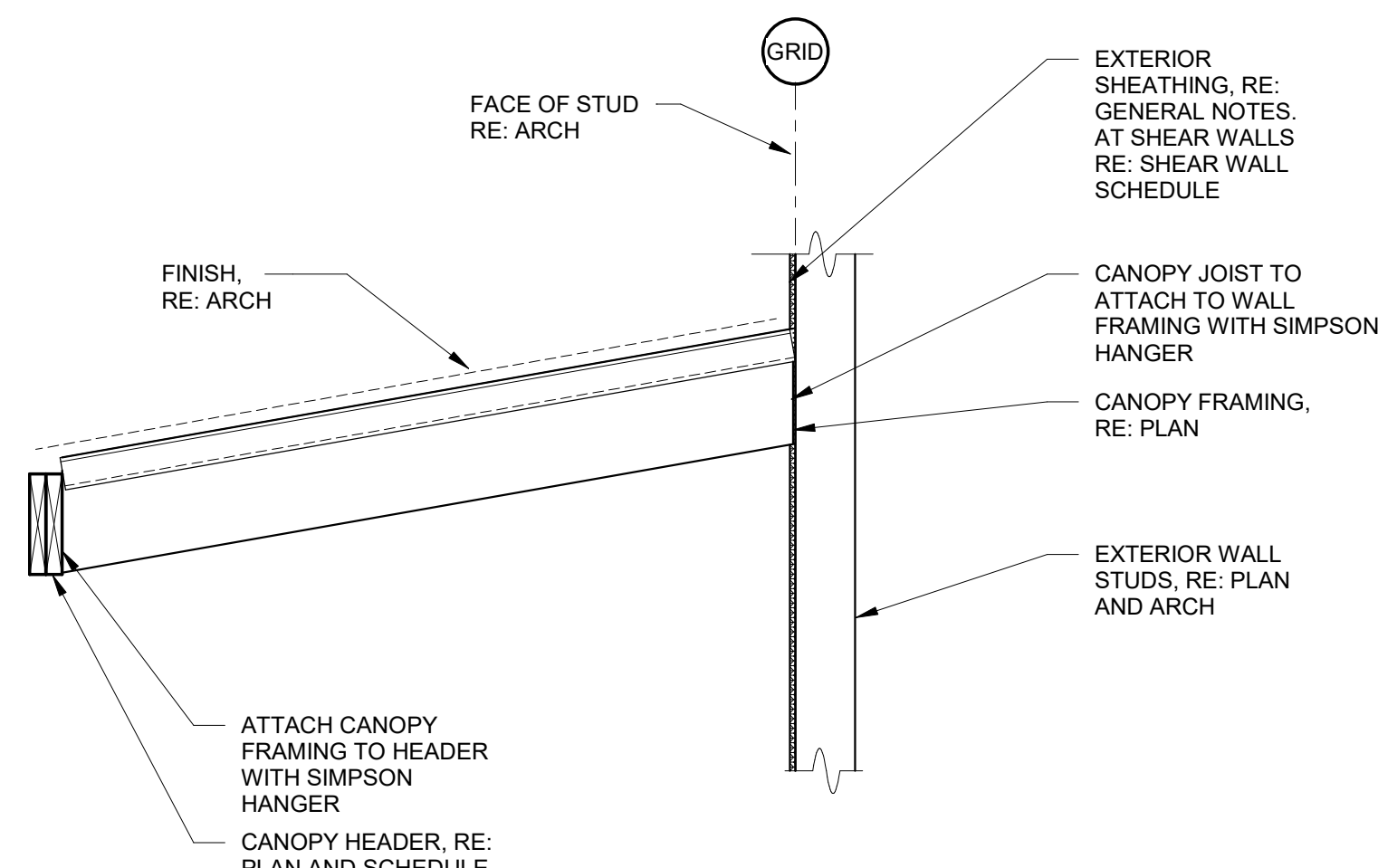
5 FRAMING DETAIL
3/4" = 1'-0"



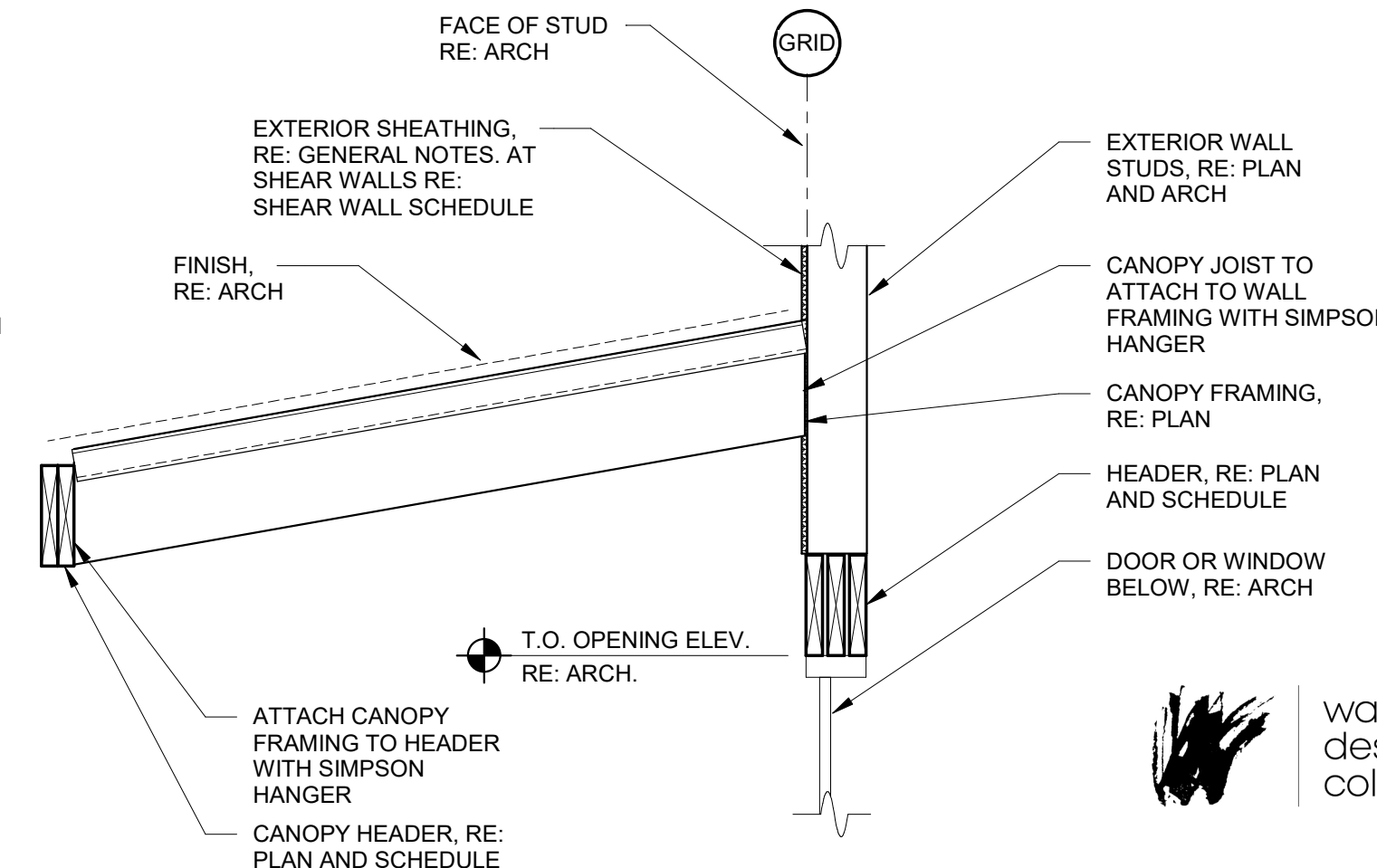
4 FRAMING DETAIL
3/4" = 1'-0"



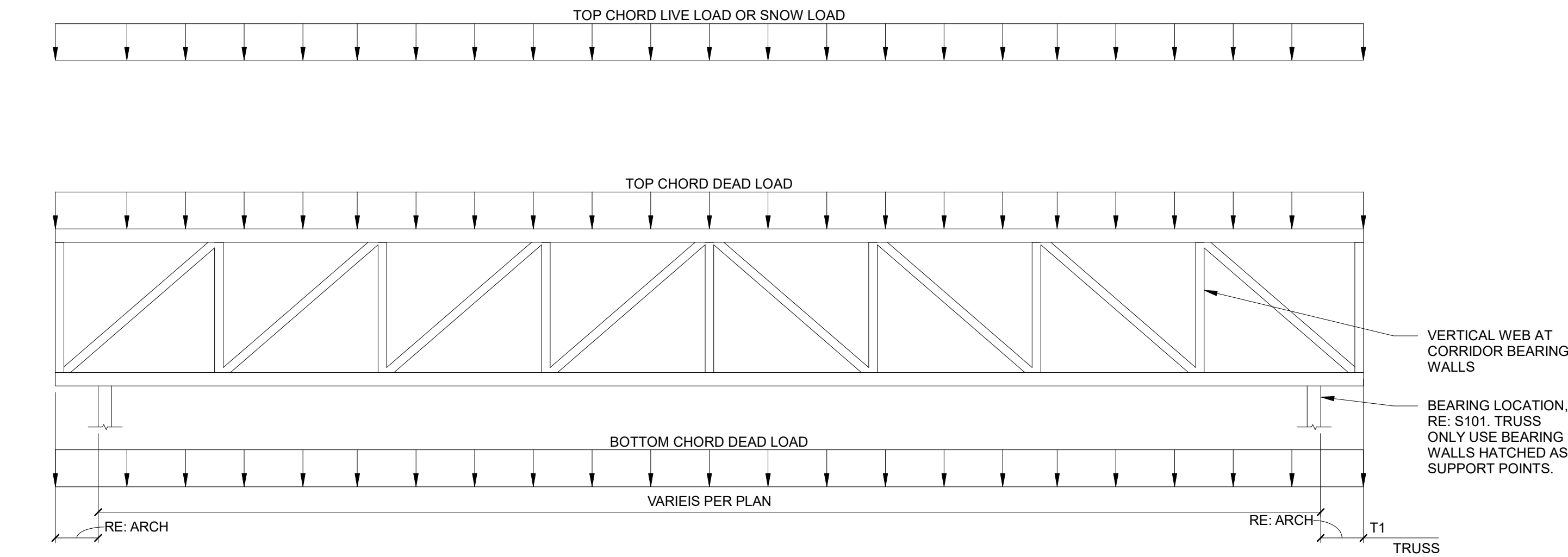
3 FRAMING DETAIL
1/2" = 1'-0"



2 FRAMING DETAIL
3/4" = 1'-0"

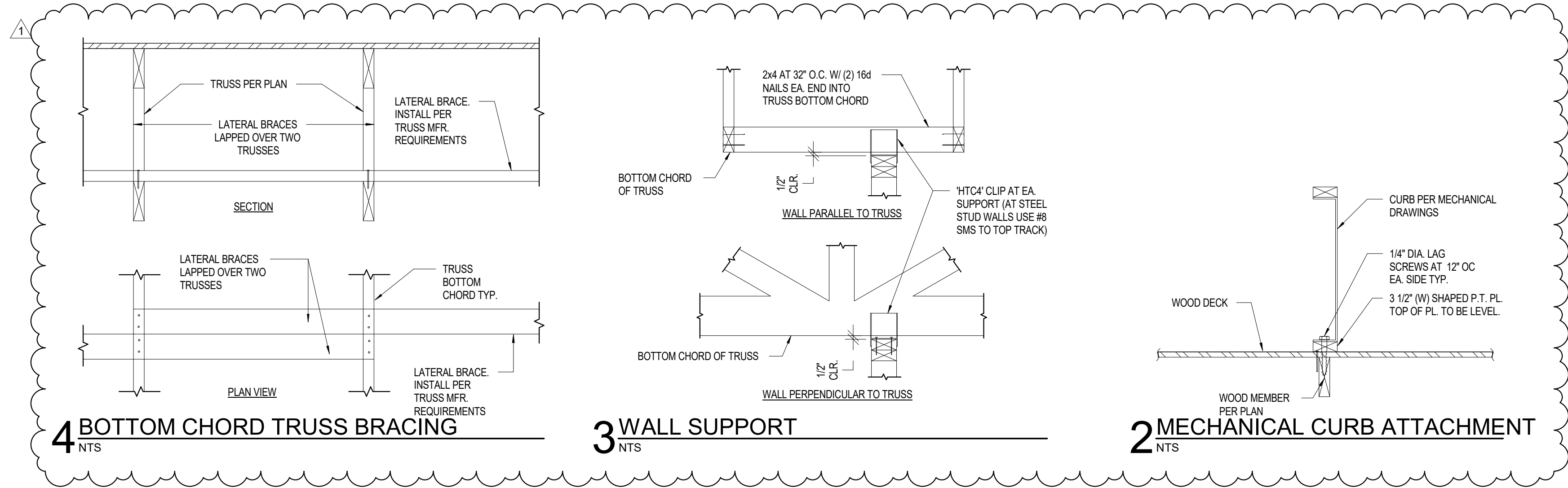


1 FRAMING DETAIL
3/4" = 1'-0"



1 ROOF TRUSS DIAGRAMS & NOTES

3/16" = 1'-0"



ROOF TRUSS NOTES:

- RE: SHEET S001, FOR PREFABRICATED WOOD TRUSS REQUIREMENTS.
- ROOF PITCH, AND SOFFIT GEOMETRY SHOWN FOR REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS FOR ACTUAL GEOMETIRES.
- TRUSS WEB MEMBERS ARE SHOWN FOR REFERENCE ONLY. DESIGN AND ARRANGEMENT OF TRUSS WEB MEMBERS ARE REPOBSIBILITY OF THE WOOD TRUSS SUPPLIER.
- TRUSS CONNECTIONS TO BEARING LOCATIONS, HEADERS, OR GIRDER TRUSS SHALL BE PER THE TRUSS SUPPLIER.
- TRUSS DESIGNER SHALL ACCOUNT FOR TRUSS SELF WEIGHT DEAD LOAD.
- TRUSS DESIGNER SHALL CONFORM TO THE 2018 IBC CODE FOR LOAD COMBINATOINS, UNBALANCED SNOW LOAD REQUIREMENTS, AND SPECIAL WIND CONDITIONS AT EAVES AND RIDGES.
- DESIGN OF ROOF TRUSSES SHALL INCLUDE ALL NECESSARY BRACING, BRIDGING AND/OR CONNECTIONS TO TRANSMIT THE REQUIRED LOADS INTO THE STRUCTURE.
- TRUSS SPACING SHALL NOT EXCEED 24" O.C. UNLESS SPECIFIED OTHERWISE ON THE DETAILS.
- SUBMITTAL DOCUMENTS SHALL INCLUDE SUBSTANTIATING STRUCTURAL CALCULATIONS AND DRAWINGS SHALL BE STAMPED AND SIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MISSOURI.
- GIRDER TRUSSES SHALL BE DESIGNED FOR MINIMUM DEAD LOADS ADN LIVE LOADS SHOWN PLUS CONCENTRATED GIRDER LOADS. SEE DIAGRAMS THIS SHEET.
- TRUSS GIRDER SUPPLIER MUST PROVIDE CONNECTIONS FOR TRUSS-TO-TRUSS AND TRUSS BEARING CONECTIONS.
- TRUSS SHALL BE LIMITED TO LIVE LOAD DEFLECTION OF 1/2".
- TRUSS SUPPLIER SHALL DESIGN TRUSSES FOR MECHANICAL EQUIPMENT SUSPENDED FROM TRUSSES (RE: MEP DRAWINGS).



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kansas city, missouri 64108
816.421.6262 • 800.364.5858

project title

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S405



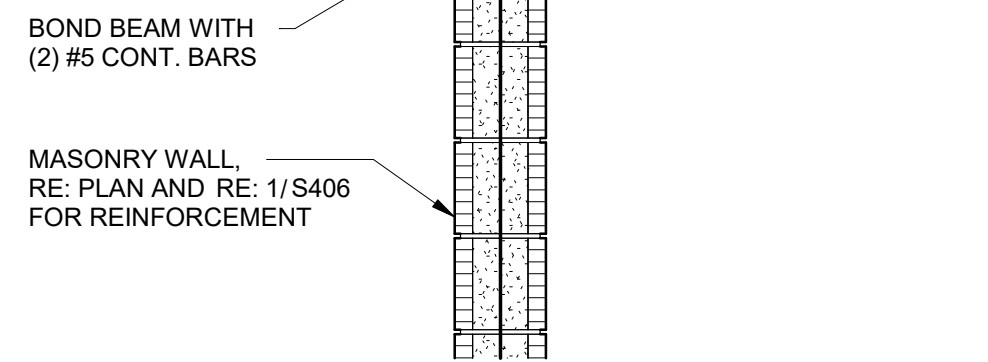
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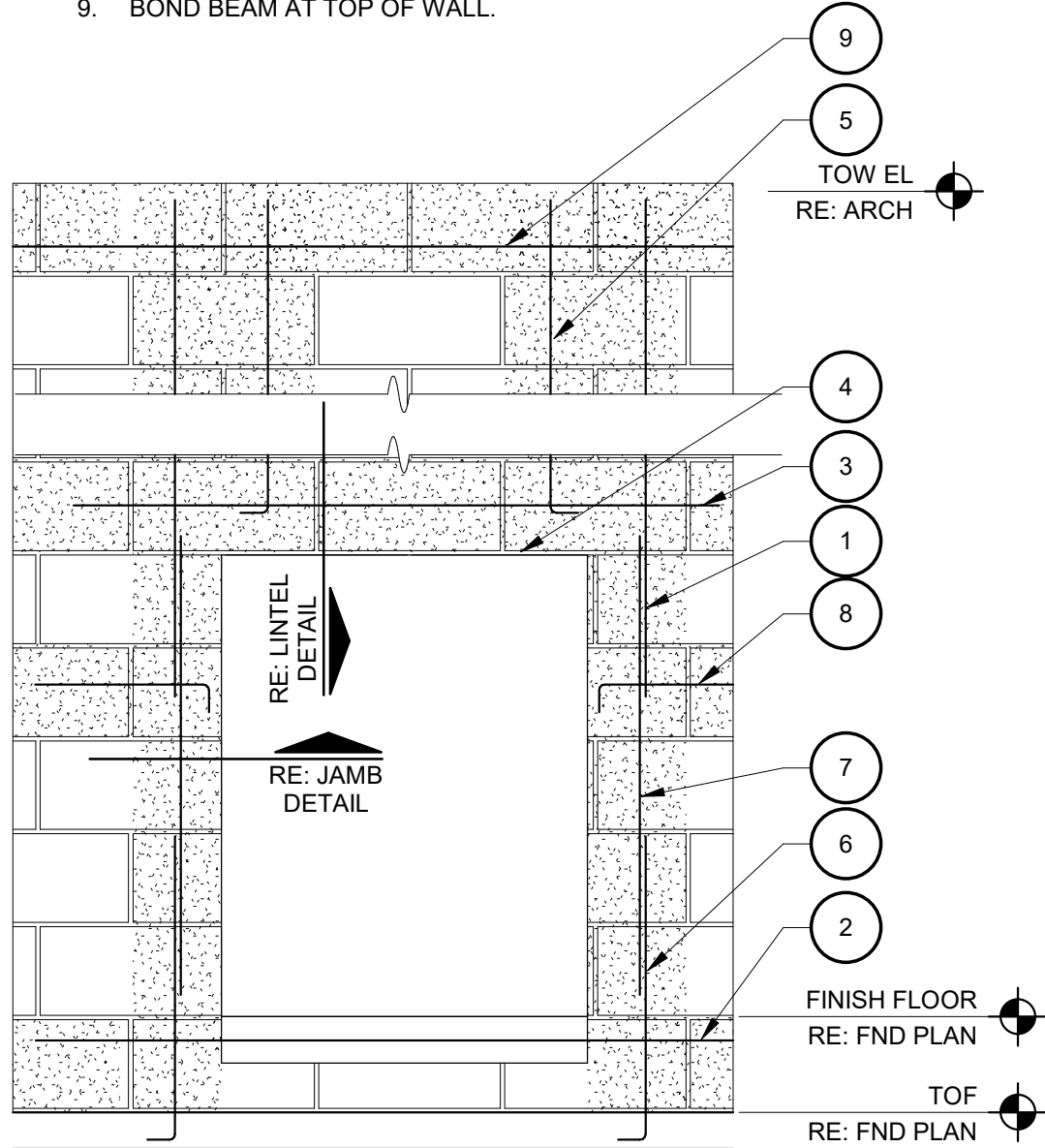
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2 CMU WALL DETAIL

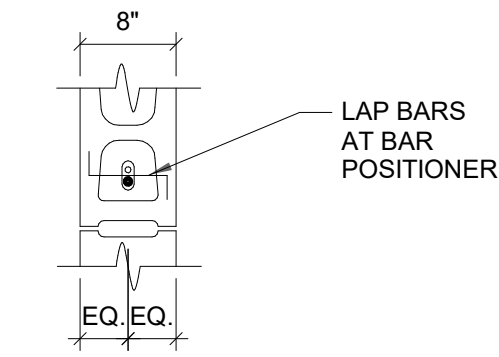


1 CMU WALL REINFORCING DIAGRAM

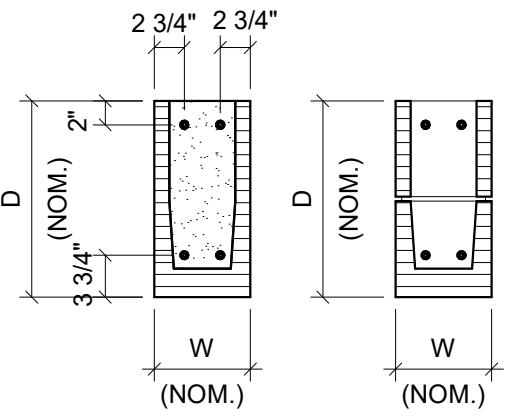


- NOTES:
1. REFER CMU REINFORCING LAP SCHEDULE FOR SPLICES IN VERTICAL REINFORCING.
 2. BOND BEAM.
 3. EXTEND GROUTED LINTEL A MINIMUM OF 2'-0" BEYOND FACE OF OPENING EACH SIDE FOR STRAIGHT LINTEL REINFORCEMENT AND 1'-4" FOR HOOKED LINTEL, UNO REINFORCEMENT WITH STANDARD ACI HOOK.
 4. USE LINTEL BLOCKS ONLY FOR BOTTOM COURSE OF LINTEL BEAMS.
 5. CONTINUE VERTICAL REINFORCING INTO LINTEL BEAM WITH STANDARD ACI HOOK.
 6. PROVIDE DOWELS TO MATCH ALL VERTICAL REINFORCING LOCATIONS.
 7. ALL VERTICAL BARS AT JAMBS AND PILASTERS SHALL EXTEND FROM THE BOND BEAM BELOW THE OPENING TO THE BOND BEAM ABOVE THE OPENING.
 8. CONTINUE HORIZONTAL REINFORCING INTO JAMB AND PROVIDE STANDARD ACI HOOK INTO END CELL.
 9. BOND BEAM AT TOP OF WALL.

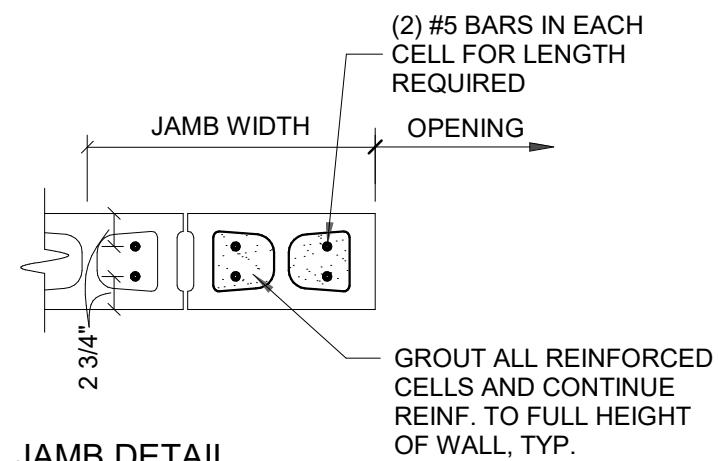
VERTICAL BAR PLACEMENT



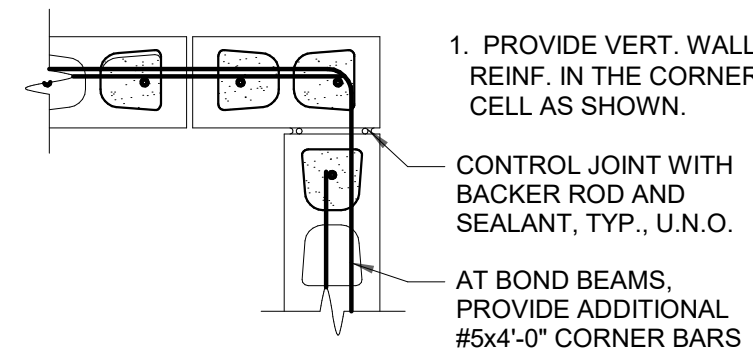
LINTEL DETAIL



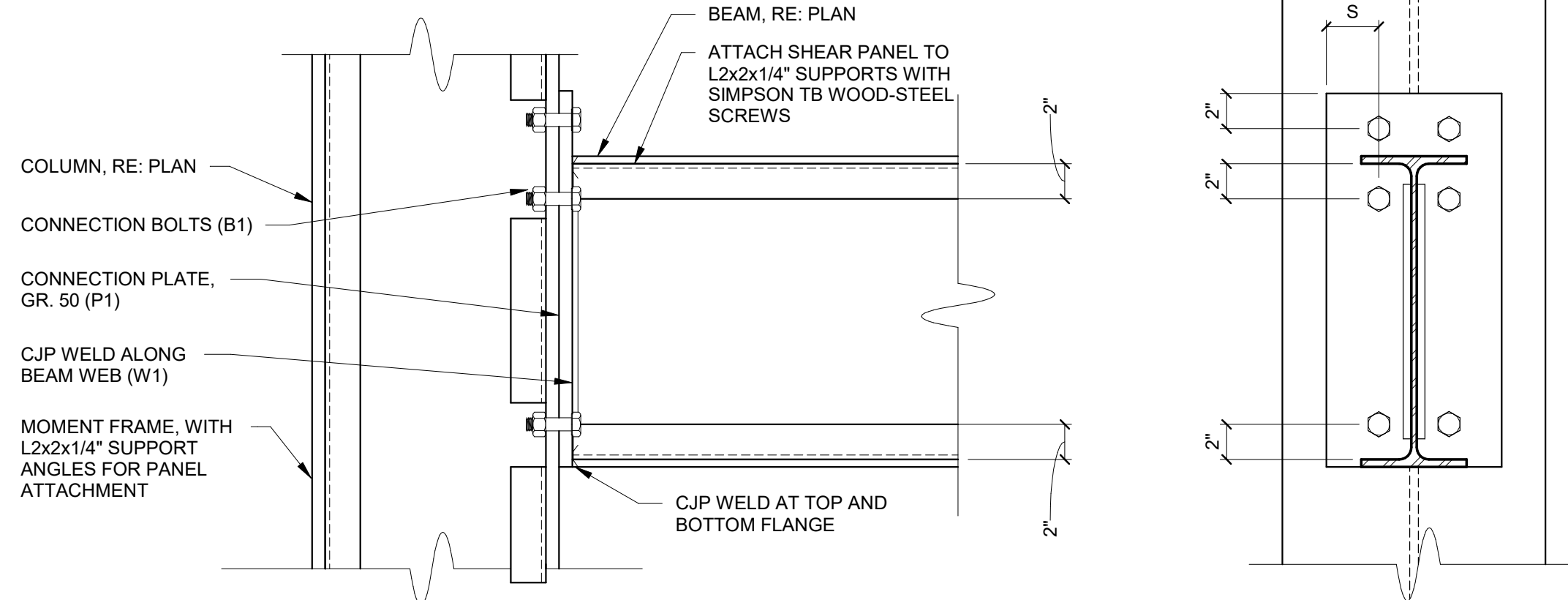
JAMB DETAIL



CORNER DETAIL



3 BEAM/COLUMN MOMENT CONNECTION DETAIL



MOMENT SCHEDULE				
CONNECTION	PLATES	WELDS/BOLTS		
	P1	W1	B1	S
C1	PL1/2"x7"x1'-4"	CJP	5/8" DIA.	2"

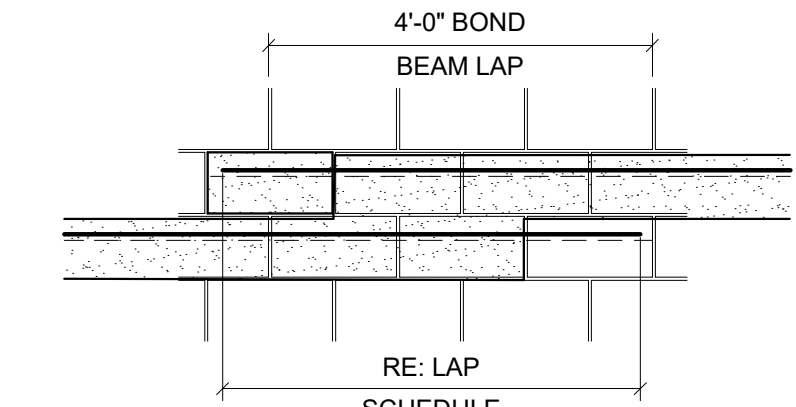
CMU LINTEL SCHEDULE							
TYPE	DESCRIPTION	WALL WIDTH (W)	CLEAR SPAN	DEPTH (D)	BOTTOM REINF.	TOP REINF.	JAMB WIDTH
A	WALL OPENING	8"	UP TO 4'-0"	8"	(2) #5	(1) #5	8"
							1

1. RE: PLAN FOR LINTEL, JAMB LOCATIONS AND TYPE.
2. USE TYPE A LINTEL, U.N.O. ON PLAN.

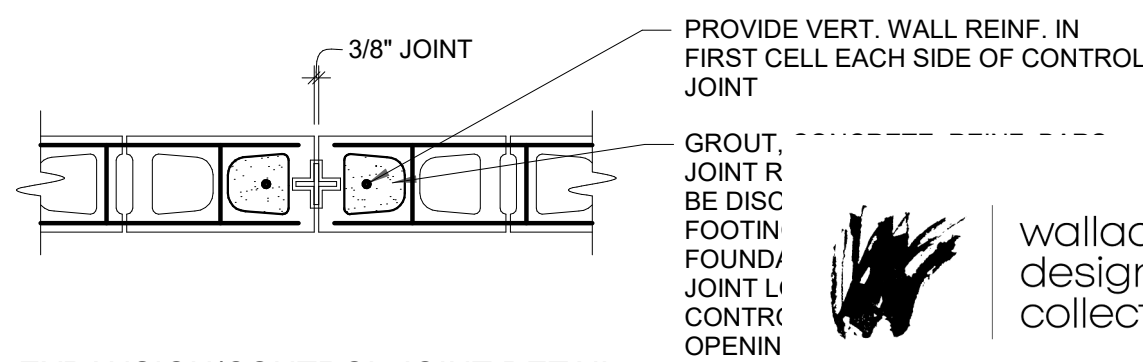
CMU VERTICAL REINFORCING SCHEDULE

MW-1	8" CMU WITH (1) #4 VERTICAL AT 16" O.C. WITH #4 DOWELS TO MATCH
------	---

- REINFORCING NOTES:
1. ALL BOND BEAMS SHALL HAVE (2) #5 BAR CONTINUOUS.
 2. USE LINTEL BLOCKS ONLY FOR BOTTOM COURSE OF LINTEL BEAMS AND REINFORCE WITH (2) #5 BAR CONTINUOUS AT ALL OPENINGS



BOND BEAM STEP (NOT AT CONTROL JOINT)



EXPANSION/CONTROL JOINT DETAIL

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project title

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project number

222045

drawing issuance

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12/09/2022

drawing revisions

No.	Description	Date
1	CITY COMMENTS	01/10/23

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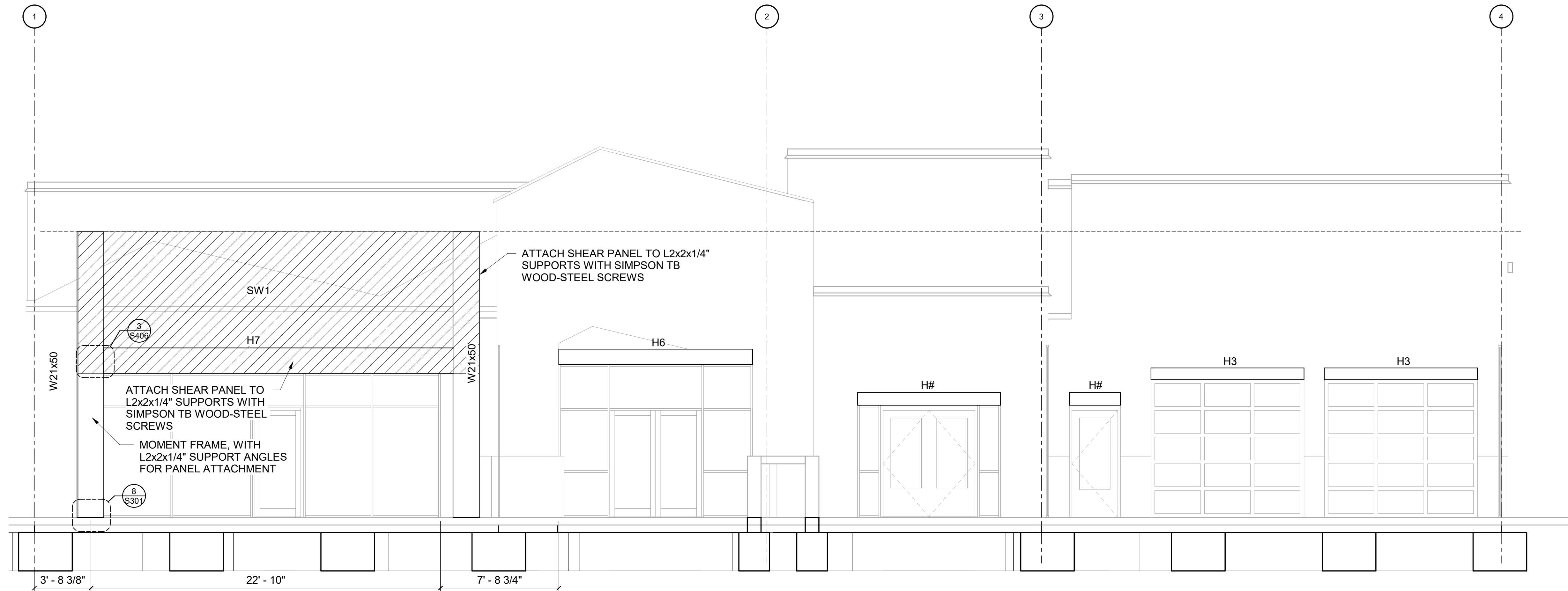
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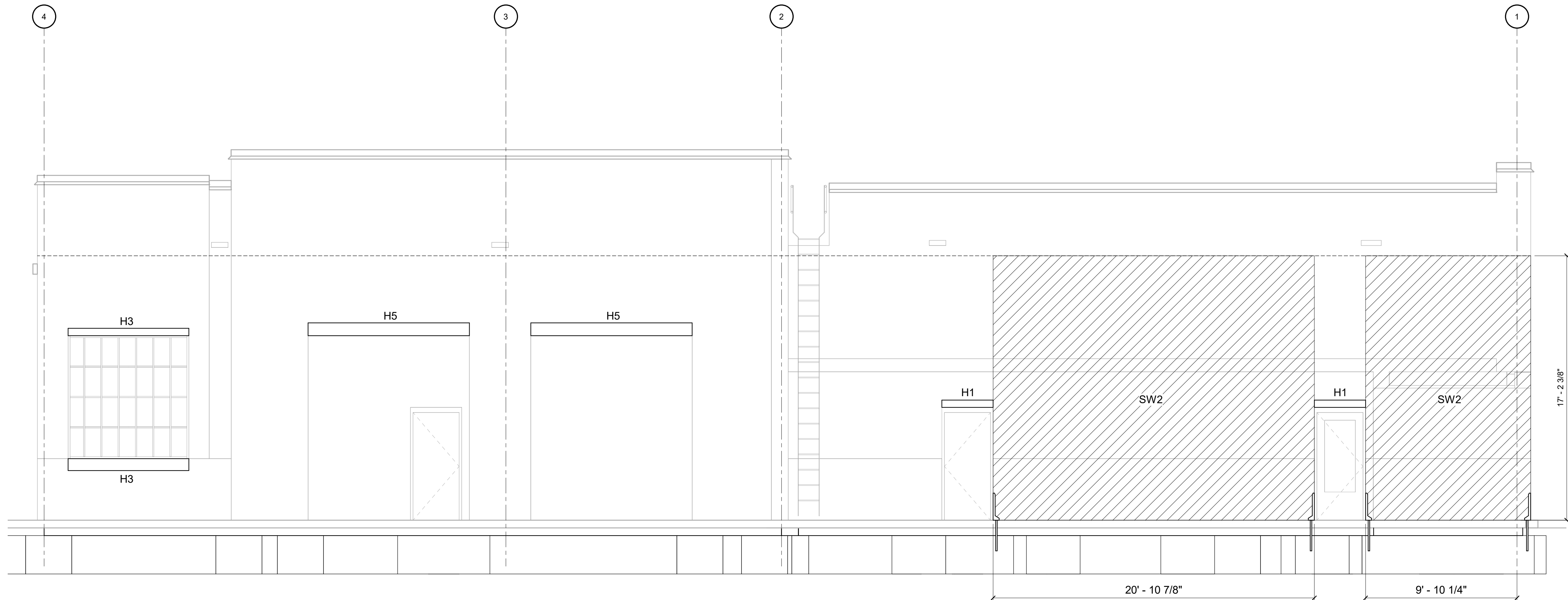
FRAMING DETAILS

drawing number

S406



1 BUILDING ELEVATION - WEST
1/4" = 1'-0"



2 BUILDING ELEVATION - EAST
1/4" = 1'-0"



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project number

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drawing issuance

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drawing revisions

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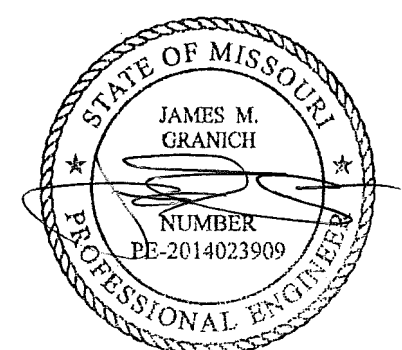
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CITY COMMENTS

Date:

01/10/23

professional seal



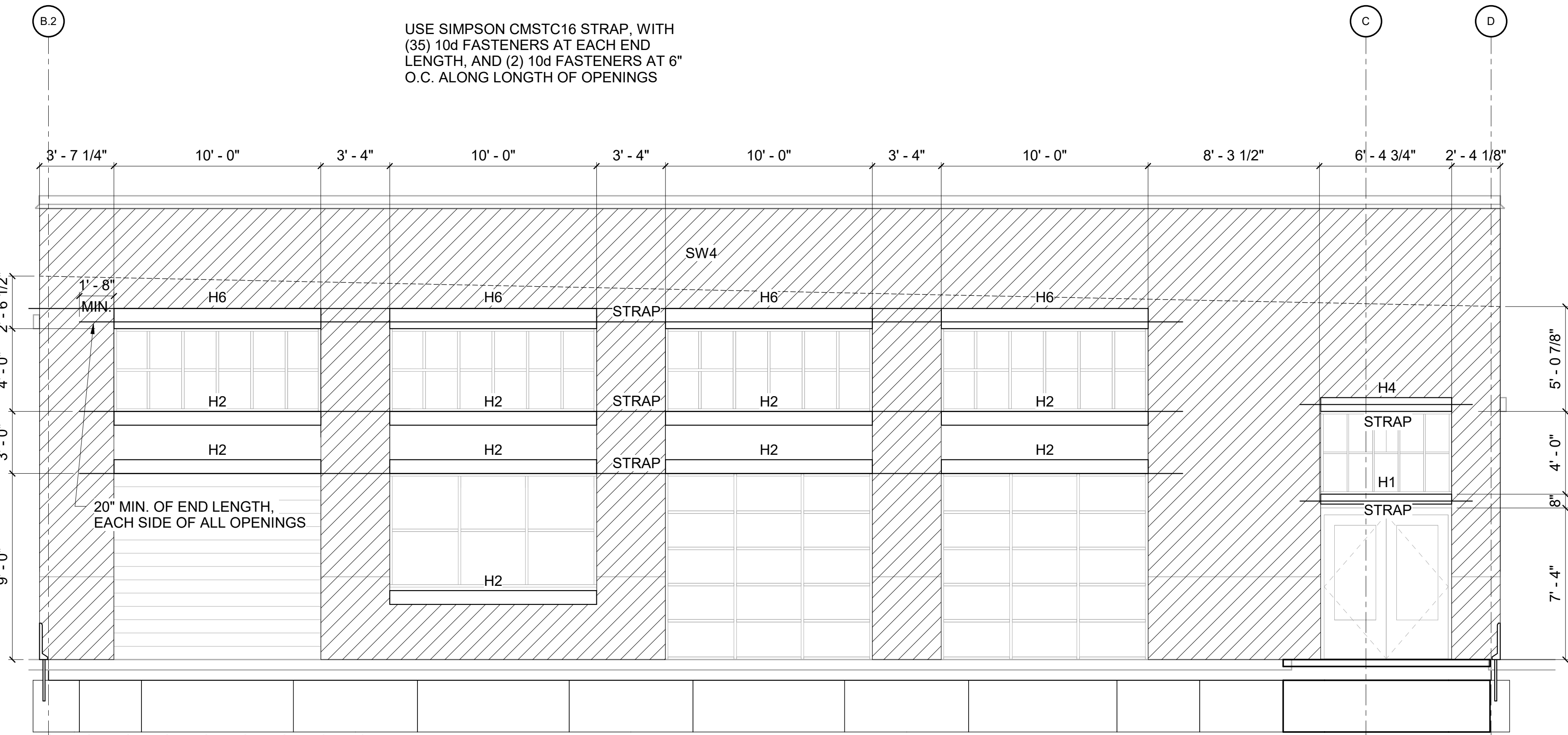
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drawing title

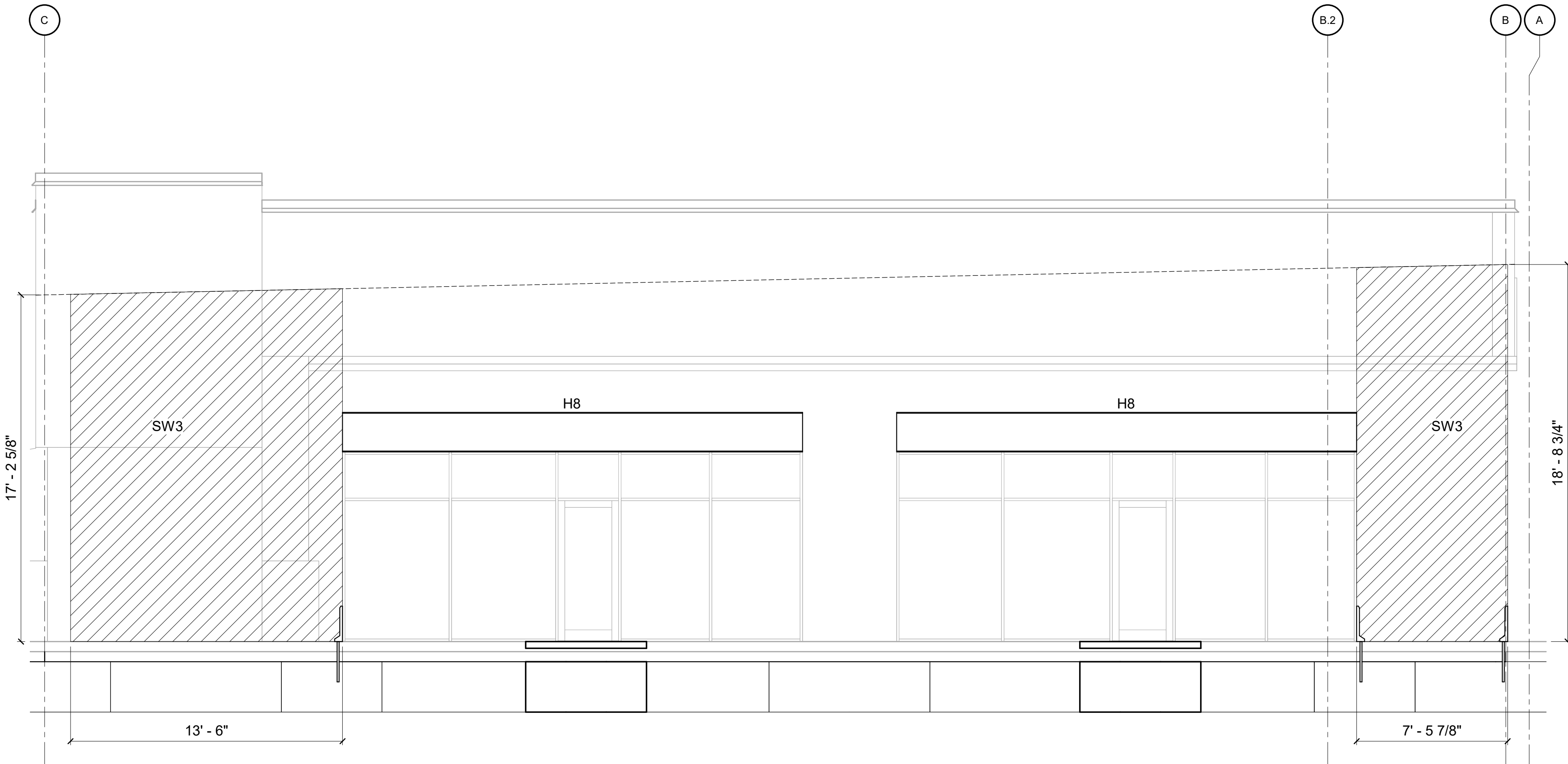
BUILDING ELEVATIONS

drawing number

S500



1 BUILDING ELEVATION - SOUTH
1/4" = 1'-0"



2 BUILDING ELEVATION - NORTH
1/4" = 1'-0"



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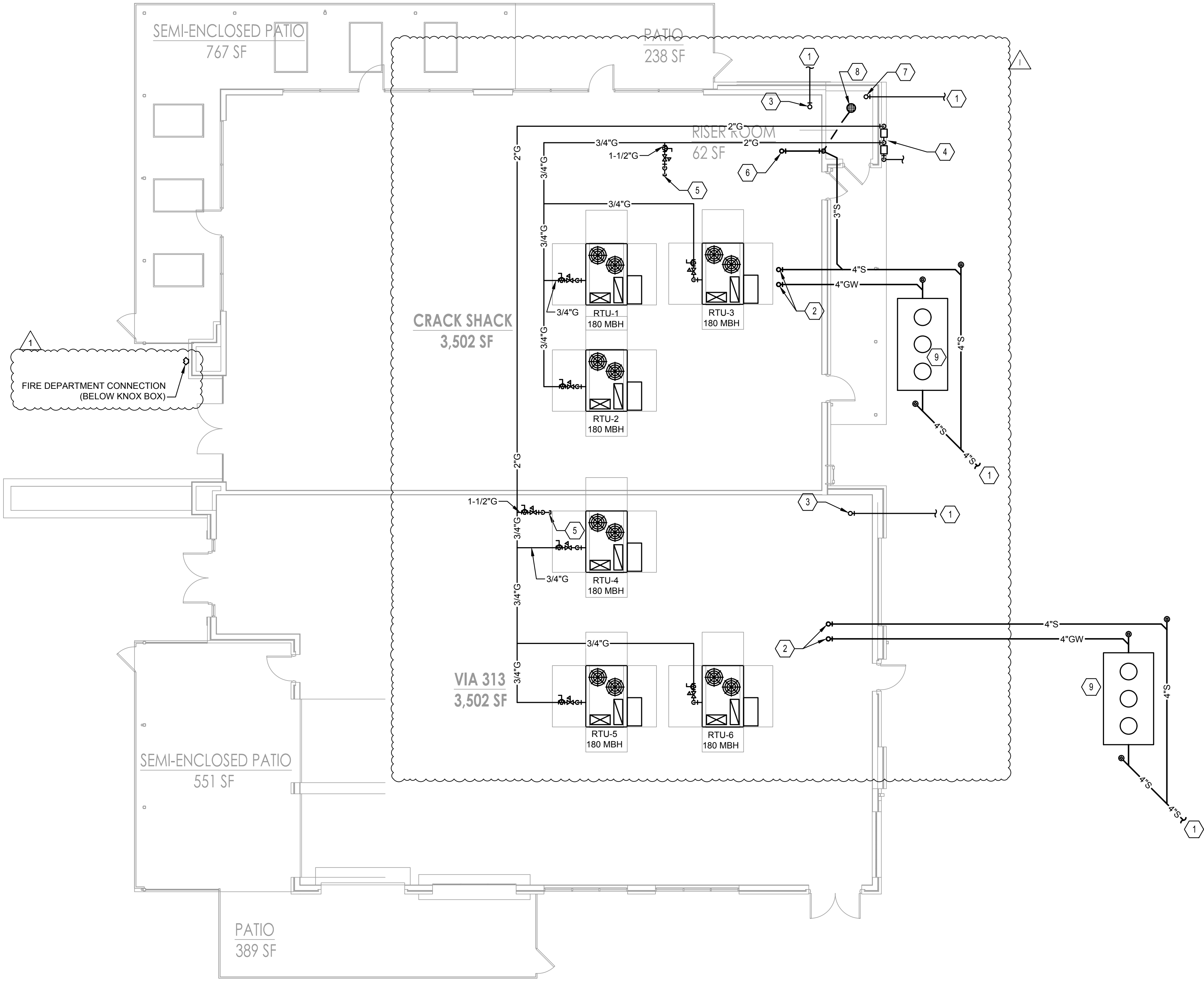
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drawing title

BUILDING ELEVATIONS

drawing number

S501



1 PLUMBING PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES
(NOT ALL NOTES APPLY)

- REFERENCE SHEET P1.01 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN CONFORMANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES HAVING JURISDICTION AND INSPECTION.
- COORDINATE THE COMPLETE INSTALLATION OF SYSTEMS TO AVOID CONFLICT WITH OTHER TRADES.
- PROVIDE TO OWNER A COPY OF ALL REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS AND ALL PLUMBING SYSTEMS EQUIPMENT MANUALS INCLUDING WARRANTIES.
- COORDINATE ALL ABOVE SLAB AND UNDER SLAB SANITARY, AND WATER PIPING SYSTEMS TO AVOID CONFLICT WITH ALL OTHER TRADES SYSTEMS, AND COLUMN FOOTINGS. ALL SOIL AND WASTE PIPING SHALL BE GRADED TO A UNIFORM SLOPE OF NOT LESS THAN 1/8" PER FOOT FOR PIPING 4" OR LARGER, AND NOT LESS THAN 1/4" PER FOOT FOR PIPING 3" OR SMALLER. COORDINATE FINAL INVERTS WITH EXISTING PIPING PRIOR TO ROUGH-IN OF UNDER SLAB INSTALLATION.
- COORDINATE ALL FLOOR DRAINS, CLEANOUTS, AND FLOOR MOUNTED FIXTURES WITH FINISHED FLOOR SLAB ELEVATION TO ENSURE THEY ARE INSTALLED PLUMB AND FLUSH WITHOUT CRACKS, RISE IN THE SLAB, OR VOIDS AROUND GRATES OR TOPS. ALL CLEANOUTS SHALL BE INSTALLED ALONG MAINS AT 50'-0" DISTANCE MAXIMUM. ALL FLOOR AND WALL CLEANOUTS SHALL BE ACCESSIBLE FOR MAINTENANCE AND NOT INSTALLED BENEATH EQUIPMENT. ANY DRAIN GRATES THAT ARE DAMAGED AS A RESULT OF OTHER CONSTRUCTION PRIOR TO RELEASE OF THE BUILDING TO THE OWNER SHALL BE REPLACED WITH LIKE GRATE AT NO EXPENSE OF THE OWNER.
- PROVIDE TRAP AND SEAL PRIMERS ON ALL FLOOR DRAINS IF REQUIRED BY CODE OR OWNER.
- PLUMBING VENTS THROUGH THE ROOF ARE LOCATED AT A MINIMUM OF 5'-0" FROM BUILDING PARAPETS AND 10'-0" FROM FRESH AIR INTAKES AND AS REQUIRED TO MEET LOCAL CODES.
- ALL EXPOSED PIPES PENETRATING FINISHED WALLS SHALL BE EQUIPPED WITH WALL ESCUTCHEONS.
- PROVIDE FINAL CONNECTIONS FOR ALL EQUIPMENT SPECIFIED IN PLUMBING FIXTURES AND EQUIPMENT SCHEDULES ON THESE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. PROVIDE ALL REQUIRED SHUT-OFFS, BACKFLOW PREVENTERS, PRESSURE REGULATORS, AND CONDENSATE DRAINS INDICATED ON PLUMBING SCHEDULES AND AS REQUIRED BY LOCAL CODES FOR COMPLETE EQUIPMENT INSTALLATION. CONSULT EQUIPMENT SUPPLIER OR OWNER FOR ADDITIONAL FINAL CONNECTION REQUIREMENTS NOT SHOWN ON THESE DRAWINGS.

KEYED NOTES:

- REFERENCE CIVIL DRAWINGS FOR CONTINUATION.
- TEMPORARILY CAP 4" SANITARY AND 4" GREASE WASTE LINES FOR CONTINUATION BY TENANT. MINIMUM INVERT 48" AT THIS POINT.
- INSTALL 1-1/2" WATTS 009 BACKFLOW PREVENTER (OR EQUAL) CAP LINE AFTER BACKFLOW FOR CONTINUATION BY TENANT.
- COORDINATE WITH GAS UTILITY FOR INSTALLATION OF NEW GAS SERVICE. TOTAL ESTIMATED LOAD 3,040 MBH PER TENANT. PIPING SIZED AT 2 PSI.
- CAP 3" GAS PIPING WITH SHUTOFF FOR CONTINUATION BY TENANT. 2,500 MBH ESTIMATED LOAD.
- 3" VENT UP TO 3" VTR MAINTAIN A MINIMUM 10' FROM ALL FRESH AIR INTAKES AND 1' FROM ALL VERTICAL SURFACES.
- FIRE PROTECTION LINE SHOWN FOR REFERENCE ONLY.
- PROVIDE ZURN FD-2220-PV3 FLOOR DRAIN OR EQUAL.
- PROVIDE GRAVITY GREASE INTERCEPTOR, PRECAST CONCRETE 1,500 GALLON MINIMUM, OF TYPE COMPLYING WITH ALL LOCAL AND STATE CODES.



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project title

LOT 12 OF WEST PRYOR
NW PRYOR RD AND
HIGHWAY 470
LEE'S SUMMIT, MO 64081

project number

2202.001

drawing issuance

PERMIT 12/08/22

drawing revisions

No.	Description:	Date:
1	City Comments	01/10/23



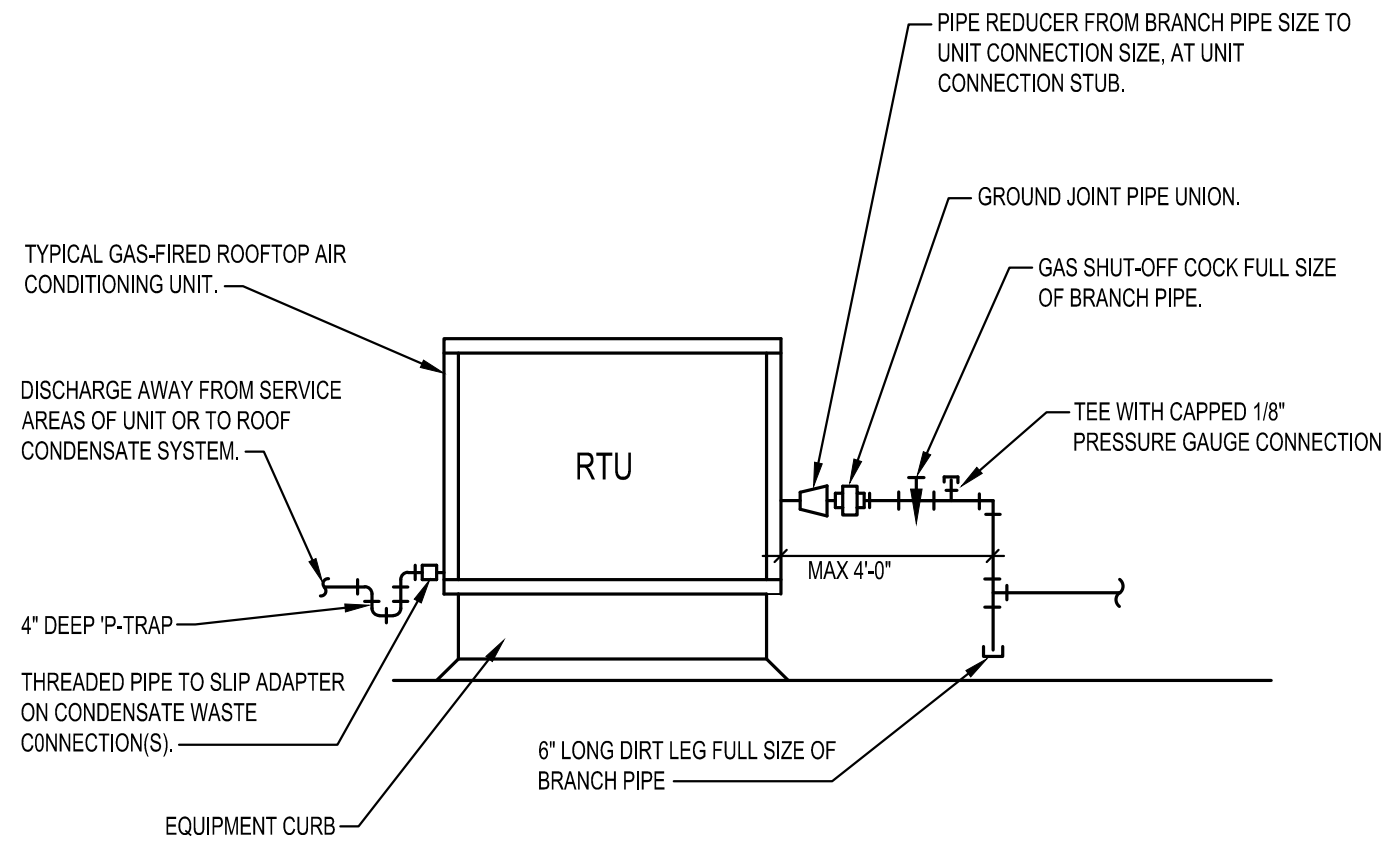
DATE SIGNED: 01/10/2023

drawing title

PLUMBING
PLAN

drawing number

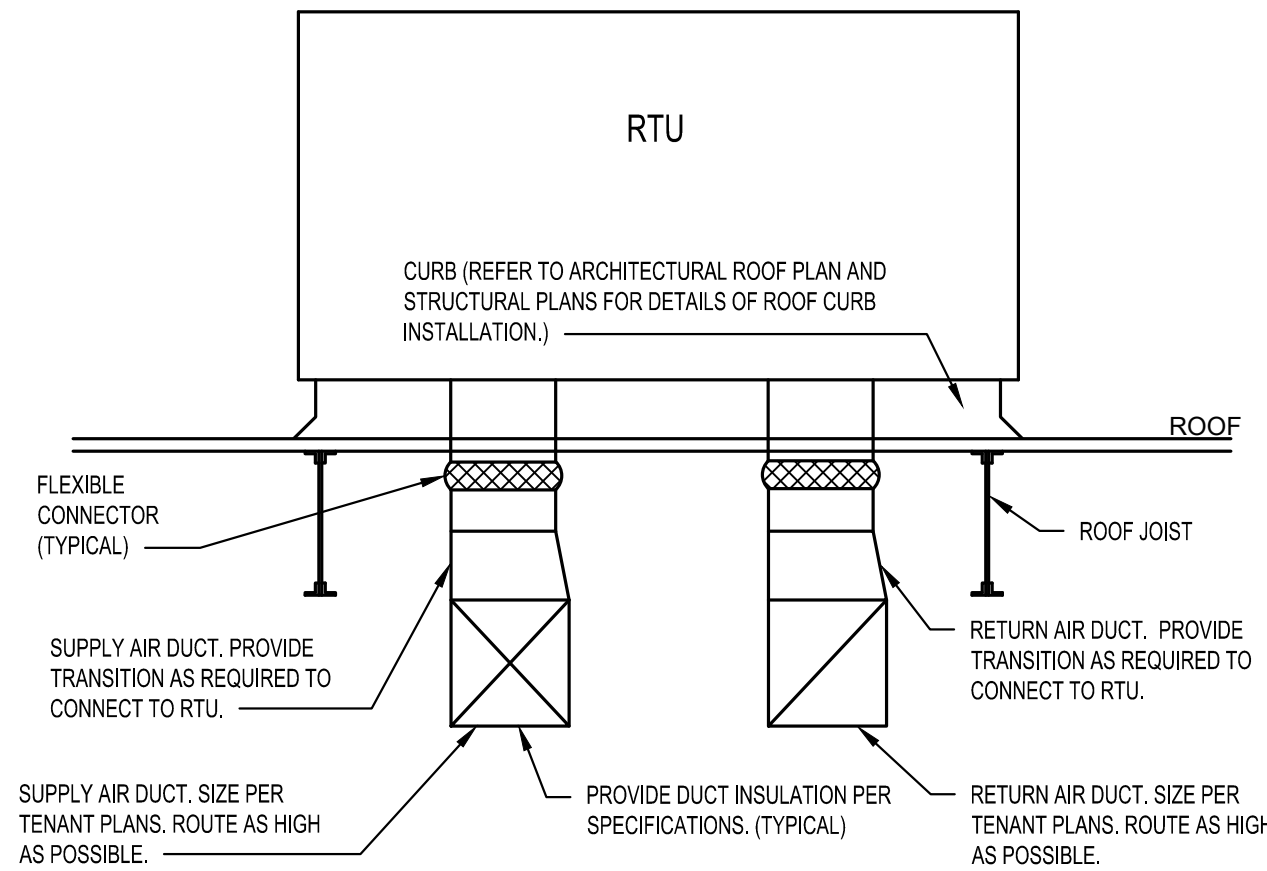
P201



PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED, VERIFY CONNECTION LOCATIONS BEFORE INSTALLING PIPE RUNS.

2 ROOFTOP UNIT PIPING DETAIL

NOT TO SCALE



3 ROOFTOP UNIT DUCTWORK DETAIL

NOT TO SCALE

ELECTRIC WALL UNIT HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	KW	CFM	WEIGHT	ELECTRICAL				NOTES
						AMPS	MOCP	PHASE	VOLTAGE	
EW-H-1	QMARK	AWH3150F	1.8	100	30.0	15	20	1	120	1,2,3

NOTES:

1. PROVIDE WITH SURFACE MOUNTING FRAME FOR SURFACE INSTALLATION.
2. PROVIDE WITH BUILT-IN TAMPER-RESISTANT THERMOSTAT.
3. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

ROOFTOP AIR CONDITIONING UNIT SCHEDULE - GAS HEAT

MARK	MANUFACTURER	MODEL	NOMINAL TONNAGE	SUPPLY AIR	MIN CA	SUPPLY FAN		COOLING COIL				HEATING DATA		UNIT ELECTRICAL DATA			WEIGHT (LBS)	NOTES
						ESP	HP	TOTAL (MBH)	SENS (MBH)	EAT (DBWB)	EER	INPUT MBH	OUTPUT MBH	V/PH/Hz	MCA	MOCP		
RTU-1	CARRIER	48FCEM09	8.5	3400	600	0.8	2.4	97.8	78.6	78.7/65.0	11.4	180	148	208/3/60	44	50	1400	1,2,3,4,5,6,7,8,9,10
RTU-2	CARRIER	48FCEM09	8.5	3400	600	0.8	2.4	97.8	78.6	78.7/65.0	11.4	180	148	208/3/60	44	50	1400	1,2,3,4,5,6,7,8,9,10
RTU-3	CARRIER	48FCEM09	8.5	3400	600	0.8	2.4	97.8	78.6	78.7/65.0	11.4	180	148	208/3/60	44	50	1400	1,2,3,4,5,6,7,8,9,10
RTU-4	CARRIER	48FCEM09	8.5	3400	600	0.8	2.4	97.8	78.6	78.7/65.0	11.4	180	148	208/3/60	44	50	1400	1,2,3,4,5,6,7,8,9,10
RTU-5	CARRIER	48FCEM09	8.5	3400	600	0.8	2.4	97.8	78.6	78.7/65.0	11.4	180	148	208/3/60	44	50	1400	1,2,3,4,5,6,7,8,9,10
RTU-6	CARRIER	48FCEM09	8.5	3400	600	0.8	2.4	97.8	78.6	78.7/65.0	11.4	180	148	208/3/60	44	50	1400	1,2,3,4,5,6,7,8,9,10

NOTES:

1. ALL COOLING CAPACITIES SHOWN ARE BASED ON AN AMBIENT OUTDOOR TEMPERATURE OF 105°F, 96.0°F DB & 76.5°F WB SUMMER DESIGN TEMPERATURE AND A WINTER DESIGN TEMPERATURE OF 7.5°F.
2. PROVIDE MERV 8 FILTERS PRIOR TO TEST AND BALANCE WORK.
3. PROVIDE UNIT WITH UNPOWERED GFCI CONVENIENCE OUTLET.
4. PROVIDE WITH DIFFERENTIAL ENTHALPY ECONOMIZER WITH POWER EXHAUST.
5. PROVIDE UNIT WITH 14" HIGH ROOF CURB.
6. PROVIDE UNIT WITH FACTORY INSTALLED HINGED ACCESS PANELS.
7. PROVIDE WITH FACTORY MOUNTED DISCONNECT SWITCH.
8. PROVIDE WITH FACTORY INSTALLED SUPPLY AND RETURN SMOKE DETECTORS.
9. PROVIDE WITH MANUFACTURER'S LOUVERED HAIL GUARDS.
10. PROVIDE FLOAT SWITCH IN DRAIN PAN. UNIT SHALL SHUT-OFF UPON ALARM FROM FLOAT SWITCH.



1 MECHANICAL PLAN

SCALE: 1/8" = 1'-0"

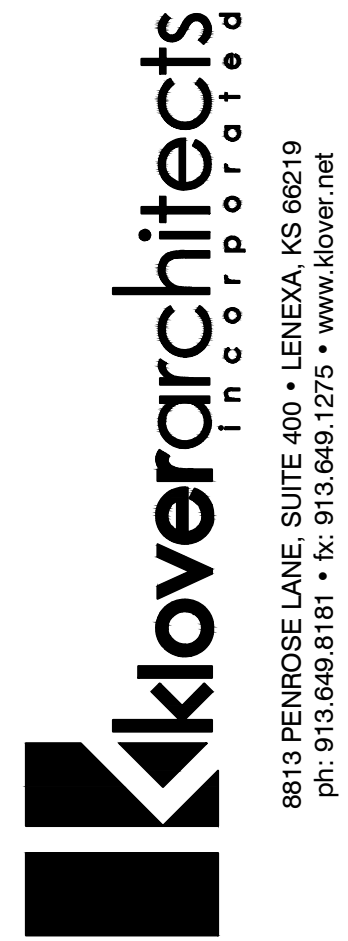
GENERAL NOTES

(NOT ALL NOTES APPLY)

1. REFERENCE SHEET M101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

KEYED NOTES:

1. EXTEND SUPPLY AND RETURN DUCTWORK FOR ROOFTOP UNIT 3'-0" BELOW ROOF DECK FOR FUTURE TENANT CONNECTION AND CONTINUATION. FURTHER DUCTWORK DISTRIBUTION AND THERMOSTATS SHALL BE RESPONSIBILITY OF TENANT.
2. MOUNT ELECTRIC WALL UNIT HEATER AT 18" AFF. LOCATE UNIT TO AVOID OTHER EQUIPMENT IN RISER ROOM.



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project title

LOT 12 OF WEST PRYOR
NW PRYOR RD AND
HIGHWAY 470
LEE'S SUMMIT, MO 64081

project number

22902.001

drawing issuance

PERMIT

12/08/22

drawing revisions

No.

Description:

Date:

City Comments

01/10/23



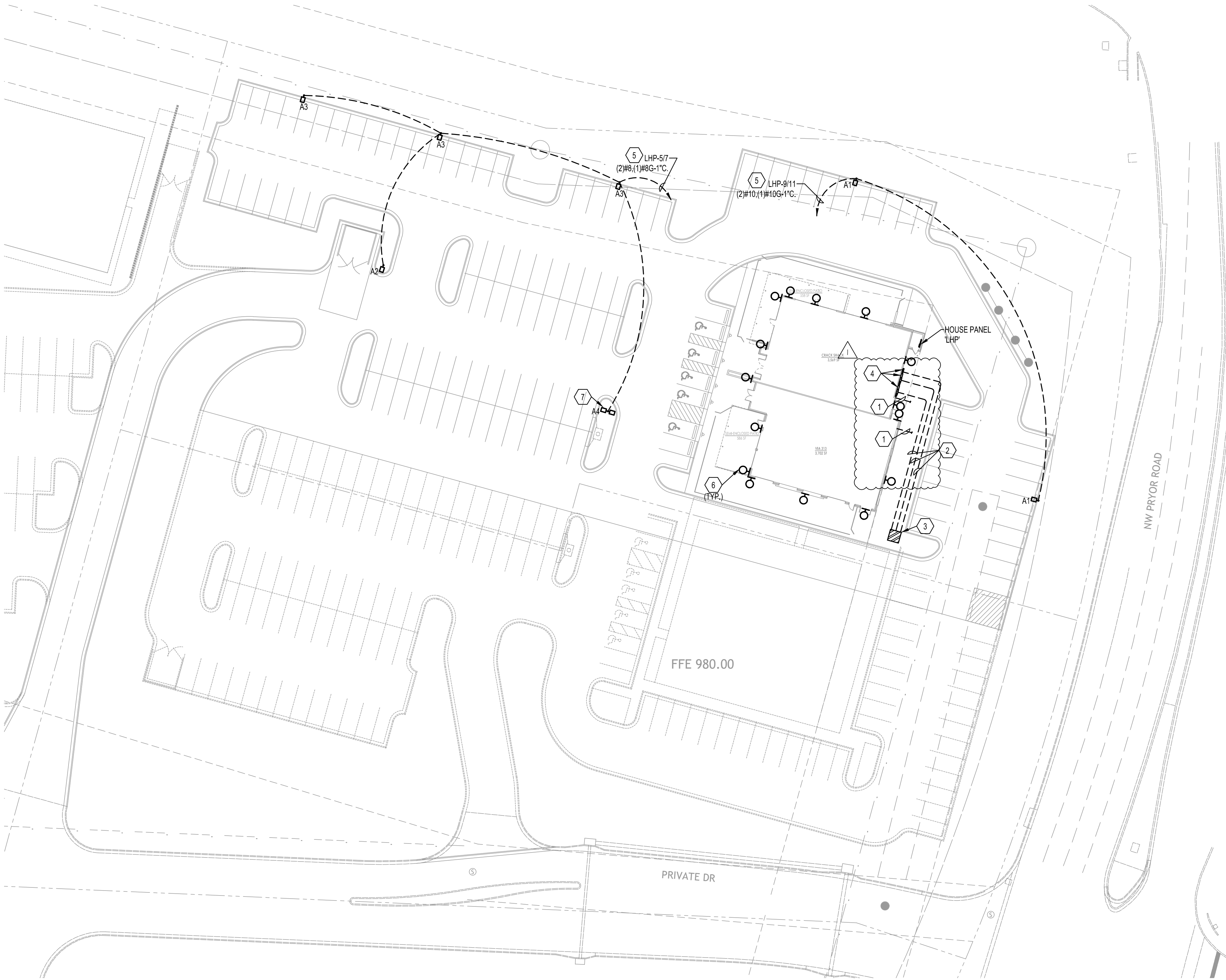
DATE SIGNED: 01/10/2023

drawing title

MECHANICAL
PLAN

drawing number

M201

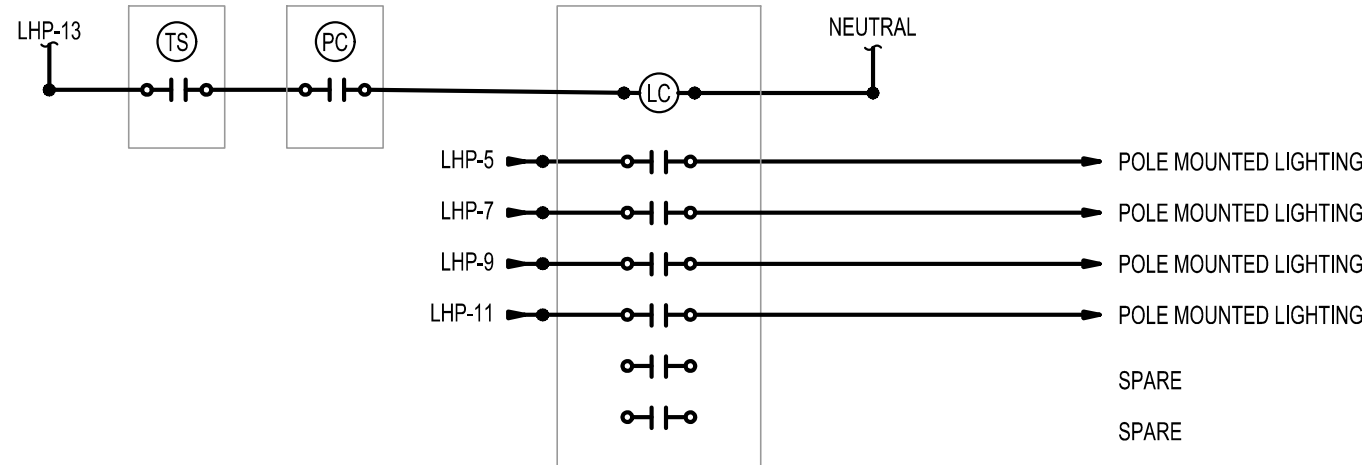


1 ELECTRICAL SITE PLAN

SCALE: 1/32" = 1'-0"

NOTES:

- THIS DETAIL IS SCHEMATIC IN NATURE. PROVIDE ALL NECESSARY WIRING, CONDUIT, DEVICES, BOXES, ETC. FOR A COMPLETE & OPERATIONAL LIGHTING CONTROL SYSTEM.
- TIMESWITCH - (TS)**
PROVIDE INTERMATIC #ET1105C TIME SWITCH IN A STEEL, NEMA 1 ENCLOSURE.
- CONTACTOR - (LC)**
PROVIDE SQUARE D MODEL 8903 ELECTRICALLY HELD LIGHTING CONTACTORS WITH POLE QUANTITY AS INDICATED. PROVIDE NEMA 1 ENCLOSURE TO ACCOMMODATE ALL CONTACTORS.
- PHOTOCELL - (PC)**
PROVIDE INTERMATIC #K4236C PHOTOCELL MOUNTED ON A WEATHERPROOF BOX.



2 LIGHTING CONTROLS DIAGRAM

SCALE: NO SCALE

GENERAL NOTES

(NOT ALL NOTES APPLY)

- REFERENCE SHEET E101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- COORDINATE MOUNTING HEIGHTS AND LOCATIONS FOR ALL DEVICES WITH ARCHITECT AND/OR INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.
- ALL FEEDERS ROUTED ACROSS THE SITE SHALL BE INSTALLED AND CONCEALED BELOW GRADE.

KEYED NOTES:

- PROVIDE (1) 2" CONDUIT WITH PULL STRING FOR TELE/DATA SERVICE TO TENANT SPACE. CONDUIT SHALL TERMINATE INSIDE THE BUILDING. FIELD VERIFY EXACT STUB-UP LOCATION WITH TENANT PRIOR TO ROUGH-IN. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- ELECTRICAL SERVICE CONDUCTORS. REFER TO SHEET E301 FOR ADDITIONAL INFORMATION.
- APPROXIMATE LOCATION OF UTILITY CO. TRANSFORMER. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION.
- ELECTRICAL SERVICE DISCONNECT. REFER TO SHEET E301 FOR ADDITIONAL INFORMATION.
- CONTROL INTENT FOR PARKING AREA LIGHT FIXTURES IS FOR FIXTURES TO BE ON A TIME-OF-DAY SCHEDULE WITH PHOTOCELL OVERRIDE. REFER TO DETAIL 2 (THIS SHEET) FOR ADDITIONAL INFORMATION.
- PROVIDE EXTERIOR JUNCTION BOX WITH 3/4" CONDUIT AND PULL STRING STUBBED INTO BUILDING FOR FUTURE POWER TO EXTERIOR LIGHT FIXTURES. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- POLE MOUNTED SITE LIGHTING FIXTURE (TYPICAL).



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project title

LOT 12 OF WEST PRYOR
NW PRYOR RD AND
HIGHWAY 470
LEE'S SUMMIT, MO 64081

project number

22022.001

drawing issuance

PERMIT

12/08/22

drawing revisions

No.

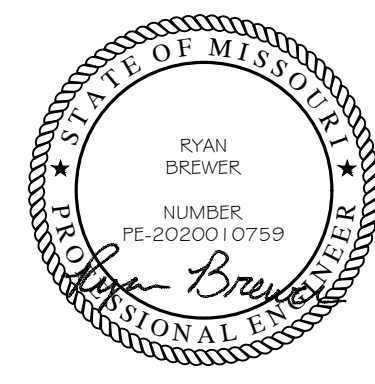
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City Comments

01/10/23



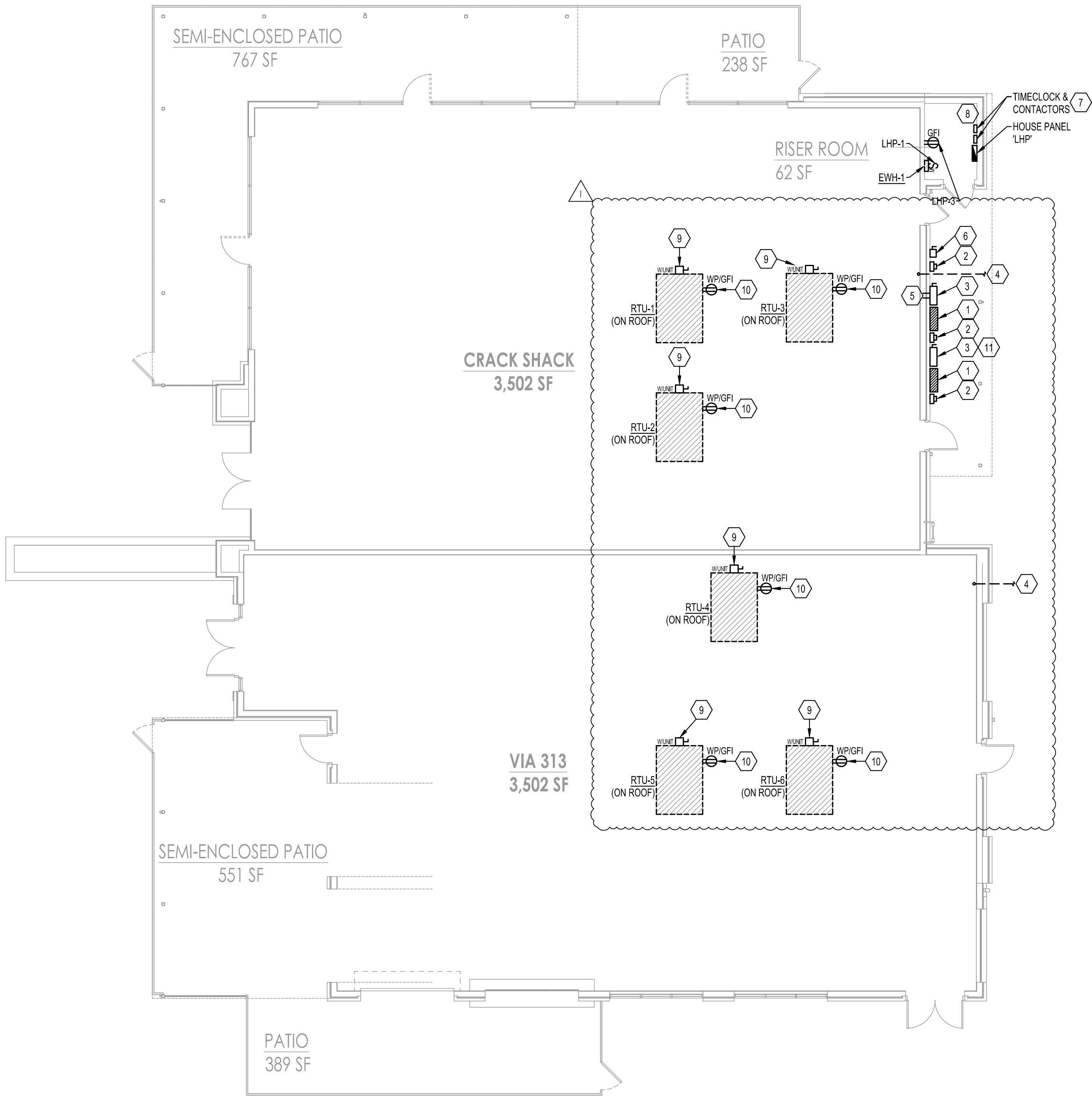
DATE SIGNED: 01/10/2023

drawing title

ELECTRICAL SITE
PLAN

drawing number

E102



1 ELECTRICAL POWER PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

(NOT ALL NOTES APPLY)

- REFERENCE SHEET E101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- COORDINATE MOUNTING HEIGHTS AND LOCATIONS FOR ALL DEVICES WITH ARCHITECT AND/OR INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.
- PROVIDE AND INSTALL 3/4" CONDUIT AND PULL STRINGS FROM TELEPHONE/DATA OUTLETS TO ABOVE ACCESSIBLE CEILING. VERIFY EXACT REQUIREMENTS WITH TELEPHONE EQUIPMENT SUPPLIER AND/OR TENANT.

KEYED NOTES:

- PROVIDE UTILITY CO. APPROVED CT CABINET FOR TENANT METERING.
- UTILITY COMPANY METER.
- 600 AMP SERVICE DISCONNECT. REFER TO SHEET E301 FOR ADDITIONAL INFORMATION.
- PROVIDE (1) 2" EMPTY CONDUIT WITH PULL STRING FOR TELEPHONE/DATA SERVICE TO TENANT SPACE. COORDINATE EXACT STUB-IN LOCATION WITH TENANT PRIOR TO ROUGH-IN.
- STUB (2) 3" EMPTY CONDUITS WITH PULL STRINGS INTO CRACK SHACK SPACE FOR FUTURE CONNECTION TO TENANT PROVIDED ELECTRICAL PANEL(S). COORDINATE EXACT STUB-IN LOCATION WITH TENANT PRIOR TO ROUGH-IN. REFER TO SHEET E301 FOR ADDITIONAL INFORMATION.
- 100 AMP SERVICE DISCONNECT. REFER TO SHEET E301 FOR ADDITIONAL INFORMATION.
- REFER TO DETAIL 2 ON SHEET E102 FOR ADDITIONAL INFORMATION.
- FIELD COORDINATE EXACT LAYOUT IN THIS ROOM WITH FIRE SPRINKLER CONTRACTOR TO ENSURE ALL REQUIRED CLEARANCES ARE MAINTAINED AND NO PIPING IS ROUTED OVERHEAD OF THE PANEL BOARD.
- DISCONNECT PROVIDED WITH UNIT. STUB (1) 1" EMPTY CONDUIT WITH PULL STRING FROM RTU INTO SPACE FOR FUTURE TENANT WIRING.
- WEATHERPROOF GFI RECEPTACLE PROVIDED WITH UNIT. STUB (1) 3/4" EMPTY CONDUIT WITH PULL STRING FROM RECEPTACLE INTO SPACE FOR FUTURE TENANT WIRING.
- STUB (2) 3" EMPTY CONDUITS WITH PULL STRINGS INTO VIA 313 SPACE FOR FUTURE CONNECTION TO TENANT PROVIDED ELECTRICAL PANEL(S). COORDINATE EXACT STUB-IN LOCATION WITH TENANT PRIOR TO ROUGH-IN. REFER TO SHEET E301 FOR ADDITIONAL INFORMATION.



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project number

22902.001

drawing issuance

PERMIT

12/08/22

drawing revisions

No.

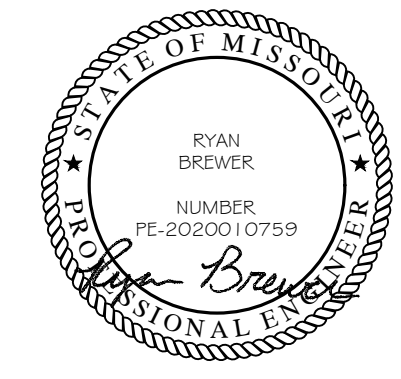
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Date:

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City Comments

01/10/23



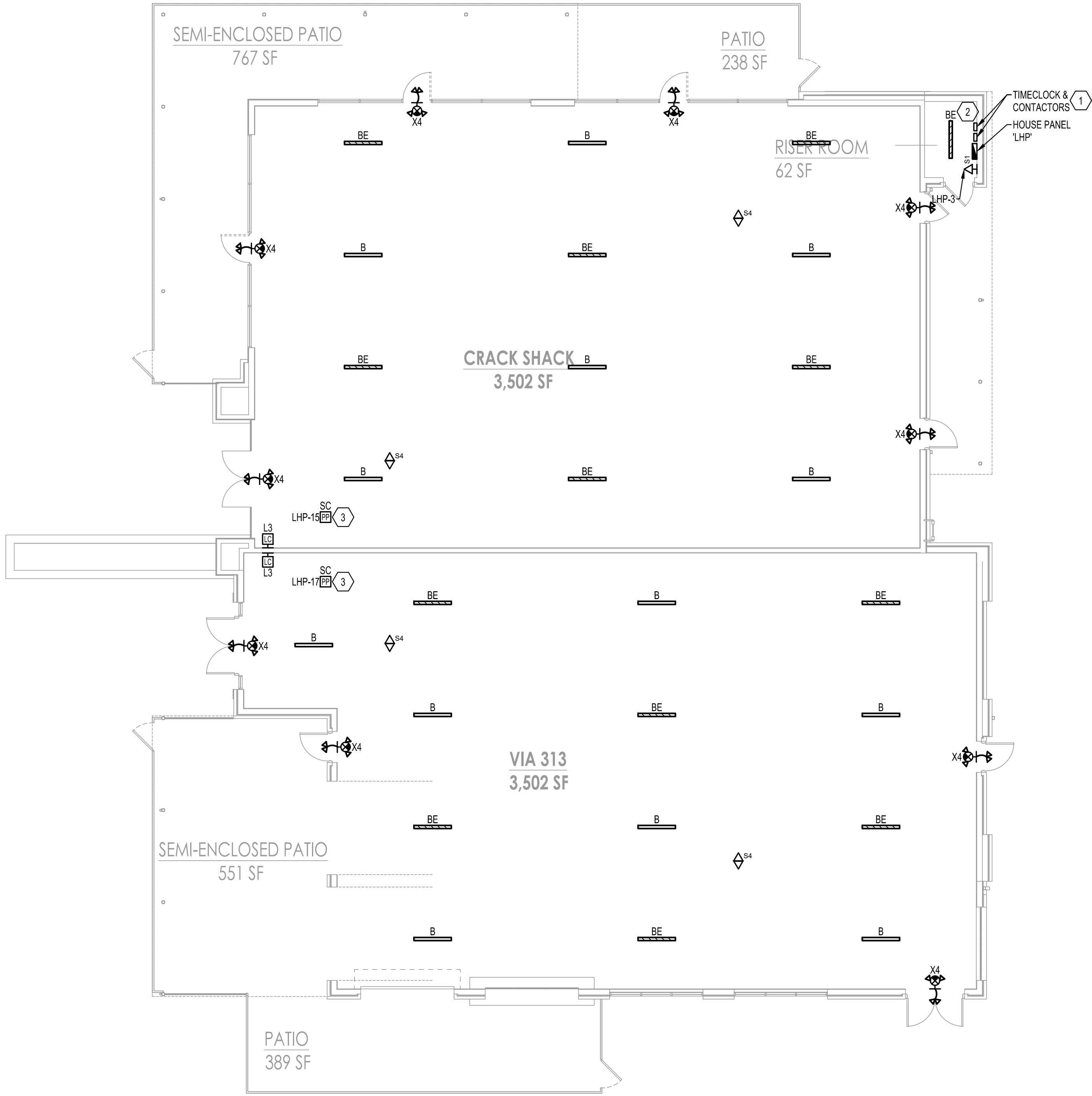
DATE SIGNED: 01/10/2023

drawing title

ELECTRICAL POWER
PLAN

drawing number

E201



1 ELECTRICAL LIGHTING PLAN
SCALE: 1/8" = 1'-0"

- GENERAL NOTES**
(NOT ALL NOTES APPLY)
- REFERENCE SHEET E101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
 - COORDINATE MOUNTING HEIGHTS AND LOCATIONS FOR ALL DEVICES WITH ARCHITECT AND/OR INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.
 - CIRCUIT ALL EXIT SIGNS TO NEAREST EMERGENCY LIGHTING CIRCUIT (OR NEAREST LIGHTING CIRCUIT IF NO GENERATOR).

- KEYED NOTES:**
- REFER TO DETAIL 2 ON SHEET E102 FOR ADDITIONAL INFORMATION.
 - FIELD COORDINATE EXACT LAYOUT IN THIS ROOM WITH FIRE SPRINKLER CONTRACTOR TO ENSURE ALL REQUIRED CLEARANCES ARE MAINTAINED AND NO PIPING IS ROUTED OVERHEAD OF THE PANELBOARD.
 - CONTROL INTENT FOR THE TEMPORARY LIGHTING IS FOR FIXTURES TO BE MANUAL 'ON' / AUTO 'OFF' VIA OCCUPANCY SENSOR WITH MANUAL OVERRIDE AVAILABLE AT THE LOW-VOLTAGE CONTROL STATION.

kloverarchitects
INCORPORATED

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ph. 913.649.8181 • fx. 913.649.1275 • www.klover.net

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project title

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NW PRYOR RD AND
HIGHWAY 470
LEE'S SUMMIT, MO 64081**

project number
2202.001

drawing issuance
PERMIT 12/08/22

drawing revisions

No.	Description:	Date:
1	City Comments	01/10/23

RYAN
BREWER
NUMBER
PE-2020010759

DATE SIGNED: 01/10/2023

drawing title
ELECTRICAL LIGHTING
PLAN

drawing number
E202

PANEL LHP																			
VOLTAGE/PHASE: 208/120V, 3PH, 4W BUS BAR/TYPE: 100A BMT TYPE: MEO										AFC VALUE: 4.2 AKA AFC RATING: 10.8 AKA MOUNTING: SURFACE (NEMA 1)					GROUNDING: EGPER T250.422 EQUIPOT GROUNDING BUS: NO SERVICE ENTRANCE RATED: NO				
ALL LOCUS DATA										ALL LOCUS DATA									
LTS	SECT	MOTOR	HEAT	COOL	SECC	SECC	SECC	SECC	SECC	LTS	SECT	MOTOR	HEAT	COOL	SECC	SECC	SECC	SECC	SECC
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