



SCHWERDT DESIGN GROUP, INC

Architecture

Interiors

Planning

Topeka, Kansas
Oklahoma City, Oklahoma

ARCHITECT'S SUPPLEMENTAL INSTRUCTION NO. 7

DATE: April 08, 2024

PROJECT NO: 230117

RE: Streets of West Pryor – Lot 5 Core & Shell

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. If changes in Contract Sum or Contract Time are required, Contractor shall submit Change Order Request in a timely manner.

ASI No. 7 is part of the contract Bid and Construction Documents and shall govern in the performance of the Work.

DESCRIPTION:

Clarification Items:

G-1 Attached drawings associated with ASI-7 are marked with a Delta 8, Rev #8, or similar.

Architectural Items:

A-1 Sheet G-001 – Code plan updated to show 2 hr rated separation wall.

A-2 Sheet A-101 – Partition type 'P1' 2hr rated partition updated to call out and match structural 2x6 stud framing.

Sheet S-102 - Structural Wood Shearwall Schedule indicates the minimum structural Construction, while, the as-built structure has been erected with more than the minimum structural requirements using 2 layers of 5/8" Gyp on both sides to meet the UL rating of U301. The addition of the second 2 hr wall dividing Suites A & B will be built to match UL U301.

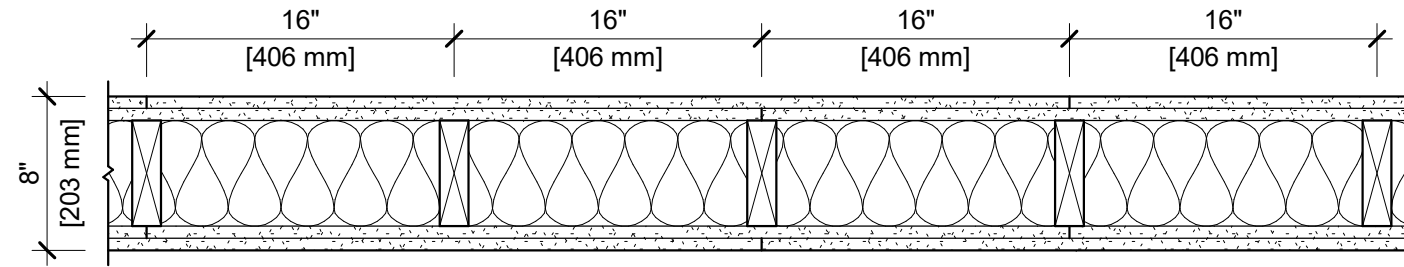
Supplementary data attached is UL U301 pdf document with assembly requirements of 2x6 wood stud.

END OF ASI-7

ASI NO. 7

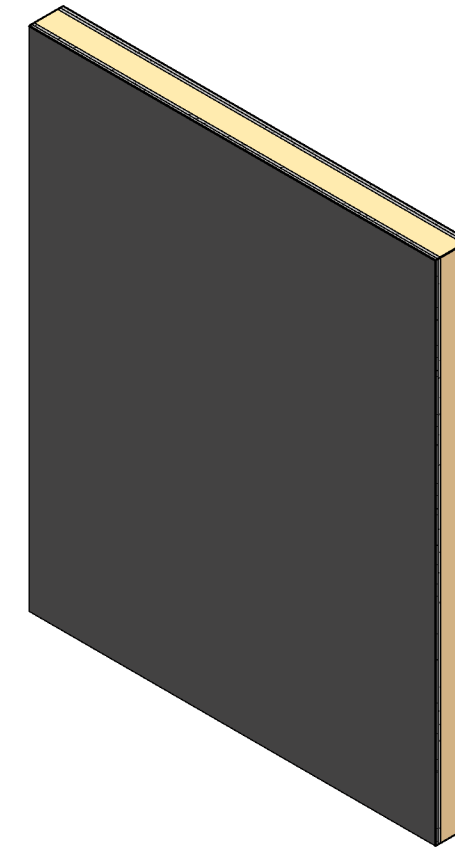
DESIGN NO. UL U301

FIRE RATING: 2 HOURS
 STC RATING: 40
 SOUND TEST: USG-161206
 SYSTEM THICKNESS: 8" [203 MM]
 LOCATION: INTERIOR
 FRAMING TYPE: WOOD STUD (LOAD-BEARING)



ASSEMBLY REQUIREMENTS:

GYPSUM PANELS: TWO LAYERS 5/8" [15.9 MM] SHEETROCK® ECOSMART GYPSUM PANEL (UL TYPE ULIX™)
 WOOD STUDS: 2" X 6" [38 X 140 MM] WOOD STUDS, 16" [406 MM] O.C.
 INSULATION: 5-1/2" [140 MM] FIBERGLASS INSULATION
 GYPSUM PANELS: TWO LAYERS 5/8" [15.9 MM] SHEETROCK® ECOSMART GYPSUM PANEL (UL TYPE ULIX™)



GENERAL WALL NOTES:

1. REFER TO APPLICABLE CODES REQUIREMENTS TO ENSURE COMPLIANCE PRIOR TO CONSTRUCTION.
2. FOR THE MOST UP-TO-DATE DETAILS, INCLUDING CONSTRUCTION VARIATIONS, REFER TO THE PUBLISHED DESIGN.
3. WHERE DESIGN NO. INDICATES "PER", THE FIRE RATING IS BASED ON LABORATORY TEST DATA OF THE REFERENCED SIMILARLY CONSTRUCTED ASSEMBLIES.
4. STUD SIZES AND INSULATION THICKNESS ARE MINIMUM UNLESS OTHERWISE STATED IN THE PUBLISHED ASSEMBLY.
5. STUD AND FASTENER SPACINGS ARE MAXIMUM UNLESS OTHERWISE STATED IN THE PUBLISHED ASSEMBLY.
6. PANEL ORIENTATION SHALL BE AS SPECIFIED IN THE PUBLISHED DESIGN.
7. FIRE-RATINGS ARE FROM BOTH SIDES UNLESS OTHERWISE STATED.
8. FIRE-RATINGS ARE MAINTAINED WITH ONE OR MORE OF THE FOLLOWING MODIFICATIONS: INCREASE STUD DEPTH, INCREASE STUD MATERIAL THICKNESS, DECREASE STUD SPACING, DECREASE FASTENER SPACING, INCREASE INSULATION THICKNESS UP TO CAVITY DEPTH.
9. WHERE ACOUSTICAL PERFORMANCE IS PROVIDED IN AN ESTIMATED RANGE, THE VALUES ARE BASED ON LABORATORY TEST DATA OF SIMILARLY CONSTRUCTED ASSEMBLIES.
10. SOUND-RATINGS ARE MAINTAINED WITH ONE OR MORE OF THE FOLLOWING MODIFICATIONS: INCREASE STUD DEPTH, DECREASE STUD MATERIAL THICKNESS, INCREASE STUD SPACING, INCREASE FASTENER SPACING, INCREASE INSULATION THICKNESS UP TO CAVITY DEPTH. MODIFICATIONS MUST NOT EXCEED LIMITATIONS OF FIRE RATING.



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Oklahoma City, Oklahoma

ARCHITECT'S SUPPLEMENTAL INSTRUCTION NO. 6

DATE: March 13, 2024

PROJECT NO: 230117

RE: Streets of West Pryor – Lot 5 Core & Shell

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. If changes in Contract Sum or Contract Time are required, Contractor shall submit Change Order Request in a timely manner.

ASI No. 6 is part of the contract Bid and Construction Documents and shall govern in the performance of the Work.

DESCRIPTION:

Clarification Items:

G-1 Attached drawings associated with ASI-6 are marked with a Delta 7, Rev #7, or similar.

MEP Items:

MEP-1 Sheet E-101 – Electrical Riser Diagram updated to two-hundred amp system.

MEP-2 Sheet E-201 – Double-Section Panelboard Schedule updated for two-hundred amp system.

END OF ASI-6

ASI NO. 6



SCHWERDT DESIGN GROUP, INC

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Topeka, Kansas
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ARCHITECT'S SUPPLEMENTAL INSTRUCTION NO. 5

DATE: February 19, 2024 **PROJECT NO:** 230117

RE: Streets of West Pryor – Lot 5 Core & Shell

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. If changes in Contract Sum or Contract Time are required, Contractor shall submit Change Order Request in a timely manner.

ASI No. 5 is part of the contract Bid and Construction Documents and shall govern in the performance of the Work.

DESCRIPTION:

Clarification Items:

G-1 Attached drawings associated with ASI-5 are marked with a Delta 6, Rev #6, or similar.

Architectural Items:

A-1 Sheet G-001 – Code summary updated with usable square foot occupant load calculations and exit requirements for tenant suites A, B & C.

A-1.1 Sheet G-001 – Code plan updated with occupant load calculations and egress width for tenant suites A, B & C.

A-2 Sheet A-101 – Two hour rated demising wall added to full East to West length of the building spaced 21 feet from face of gypsum board to the other second two hour rated demising wall. Creating and dividing the Core & Shell building into now three separate tenant suites.

A-1.A Updating tenant suite designations as Suite A, B & C respectively.

A-1.B Updating tenant suite square footage.

A-3 Sheet A-102 – Roof Top Unit added to service enlarged Tenant Suite B space.

MEP Items:

MEP-1 Sheet M-101 – Restroom removed; RTU added to service enlarged Tenant Suite B space.

MEP-1.A Water heater and Plumbing Fixture schedules removed.

ASI NO. 5

MEP-2 Sheet M-201 – Restroom removed; RTU added to service enlarged Tenant Suite B space.

MEP-2.A Roof Top Unit Schedule updated with added RTU.

MEP-2.B Exhaust Fan schedule removed.

MEP-3 Sheet E-101 – Restroom removed; RTU added to service enlarged Tenant Suite B space.

MEP-3.A Panelboard schedule updated.

MEP-3.B Electrical riser diagram updated with 400A panels.

MEP-3.C Electrical Floor Plan – Power updated for tenant suites A & B.

MEP-4 Sheet E-201 – Floor Plan – Lighting updated to three tenant suites A,B & C respectively and Double-Section Panelboard Schedule added to sheet.

END OF ASI-5

ASI NO. 5



SCHWERDT DESIGN GROUP, INC

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Topeka, Kansas
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ARCHITECT'S SUPPLEMENTAL INSTRUCTION NO. 4

DATE: November 07, 2023 **PROJECT NO:** 230117

RE: Streets of West Pryor – Lot 5 Core & Shell

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. If changes in Contract Sum or Contract Time are required, Contractor shall submit Change Order Request in a timely manner.

ASI No. 4 is part of the contract Bid and Construction Documents and shall govern in the performance of the Work.

DESCRIPTION:

Clarification Items:

G-1 Attached drawings associated with ASI-4 are marked with a Delta 5, Rev #5, or similar.

Architectural Items:

- A-1 Sheet G-001 – Drawing A3-Code Plan changed from 3 tenant building to 2 tenant building.
 - A-1.A – Drawing A3-Code Plan updated egress load tags.
- A-2 Sheet A-101 – Floor changed from 3 tenant building to 2 tenant building. Including removal of fire demising wall, restroom and mechanical room.
 - A-2.A Room tags updated to illustrate proper Suite nomenclature and square footage.
- A-3 Sheet A-201 – Drawing C1-East Elevation update illustrating change to Stone wainscot and EIFS 1 at previous brake metal pilaster.
 - A-3.A Drawing C1-East Elevation changed from 3 tenant building to 2 tenant building and tenant signage updated on elevation.
- A-4 Sheet A-401 – Removed from scope.

END OF ASI-4

ASI NO. 4



SCHWERDT DESIGN GROUP, INC

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ARCHITECT'S SUPPLEMENTAL INSTRUCTION NO. 3

DATE: June 20, 2023

PROJECT NO: 230117

RE: Streets of West Pryor – Lot 5 Core & Shell

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. If changes in Contract Sum or Contract Time are required, Contractor shall submit Change Order Request in a timely manner.

ASI No. 3 is part of the contract Bid and Construction Documents and shall govern in the performance of the Work.

DESCRIPTION:

Clarification Items:

G-1 Attached drawings associated with ASI-3 are marked with a Delta 4, Rev #4, or similar.

Architectural Items:

A-1 Sheet A-101 – Updated location of future pass-through openings on Suite C's South demising wall.

Structural Items:

S-1 Sheet S-102 - Updated location of future pass-through openings on Suite C's South demising wall.

END OF ASI-3

ASI NO. 3



SCHWERDT DESIGN GROUP, INC

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Topeka, Kansas
Oklahoma City, Oklahoma

ARCHITECT'S SUPPLEMENTAL INSTRUCTION NO. 2

DATE: July 07, 2023

PROJECT NO: 230117

RE: Streets of West Pryor – Lot 5 Core & Shell

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. If changes in Contract Sum or Contract Time are required, Contractor shall submit Change Order Request in a timely manner.

ASI No. 2 is part of the contract Bid and Construction Documents and shall govern in the performance of the Work.

DESCRIPTION:

Clarification Items:

G-1 Attached drawings associated with ASI-2 are marked with a Delta 3, Rev #3, or similar.

Architectural Items:

- A-1 Sheet A-101 – Future pass-through openings added on East and West ends of Suite C's South Demising wall.
 - A-1.A - Key plan note #2 for Future pass-through added to Keyed Plan Notes legend.
- A-2 Sheet A-102 – RTUs rotated 90 degrees for structural support purposes.
- A-3 Sheet A-201 – Door C101 update to be 7' and Tempered Glass.
 - A-3.A - Reference to MEP exterior utilities indicated on West Elevation Drawing A1.
- A-4 Sheet A-601 – Door schedule updated to represent C101 door as 7' and Tempered Glass.

Structural Items:

- S-1 Sheet S-001 – Updates to general notes Risk Category and Wind Load information.
- S-2 Sheet S-101 – Foundation updates to columns B.1-3 & B.9-3 and dimensional spacing on East.
 - S-2.A – Addition of West pilaster foundation.
- S-3 Sheet S-102 – Future pass-through openings added to shearwall
 - S-3.A - Wood shearwall schedule updated.
 - S-3.B – Addition of West wall pilaster.
- S-4 Sheet S-103 – RTUs rotated 90 degrees for structural support.
 - S-4.A – Future pass through openings located in shearwall.
 - S-4.B – Addition of West wall pilaster.
- S-5 Sheet S-201 – Updated shearwall pass-through openings and west wall pilaster added to isometric.
- S-6 Sheet S-301 – Bolt type and dimensional location update to Baseplate Details drawings BP-2.

ASI NO. 2

MEP Items:

- MEP-1 Sheet ME-201 – Updates to Light Fixture Schedule to show “C” fixtures on exterior.
 - MEP-1.A – Movement of Light Poles.
- MEP-2 Sheet ME-202 – Updated placement of exterior utilities
- MEP-3 Sheet M-101 – Swapping the respective placement of RTU 3 and RTU 4 for each other.
 - MEP-3.A – Rotation of RTU units
- MEP-4 Sheet M-201 – Rotation of RTU units
- MEP-5 Sheet E-101 – Swapping the respective placement of RTU 3 and RTU 4 for each other.
 - MEP-5.A – Updated information on respective Panelboard Schedule for RTU 3 and RTU 4.
 - MEP-5.B – Rotation of RTU units
 - MEP-5.C – Exterior Utilities shifted south past West wall Pilaster
- MEP-6 Sheet E-201 – Mounted exterior lighting updated to “C” fixtures’ on floor plan.

END OF ASI-2

ASI NO. 2



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ARCHITECT'S SUPPLEMENTAL INSTRUCTION NO. 1

DATE: June 20, 2023

PROJECT NO: 230117

RE: Streets of West Pryor – Lot 5 Core & Shell

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. If changes in Contract Sum or Contract Time are required, Contractor shall submit Change Order Request in a timely manner.

ASI No. 1 is part of the contract Bid and Construction Documents and shall govern in the performance of the Work.

DESCRIPTION:

Clarification Items:

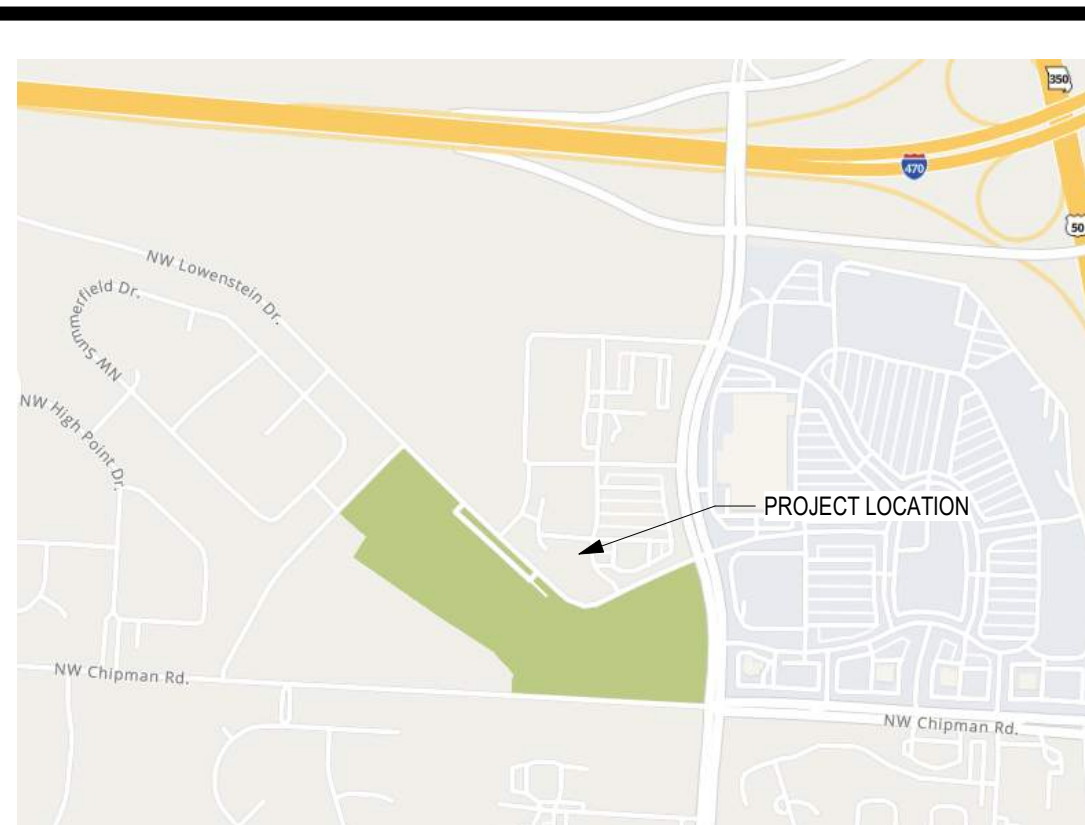
- G-1 Attached drawings associated with ASI-1 are marked with a Delta 2, Rev #2, or similar.
- G-2 Title blocks of all Architectural drawings have been updated with exact site address.
- G-3 Sheets G-001, A-101, & A-301 Room Labels have changed to Suite A, B, & C.

Architectural Items:

- A-1 Sheet A-101 - UL Fire rated wall assembly information has been added to partition type P1.
 - A-1.A Partition types P2 & P3 have been added to partition type legend.
 - A-1.B Partition types P2 & P3 have been tagged in plan.
- A-2 Sheet A-102 – Pilaster added to West wall.
- A-3 Sheet A-301 – Wall construction updated to clarify horizontal lap aluminum siding.

END OF ASI-1

ASI NO. 1



A1 LOCATION MAP
SCALE: NOT TO SCALE

MATERIAL LEGEND

PLAN OR SECTION	ACOUS TILES (SECTION)	RIGID INSULATION
BATT INSULATION	BRICK	SAND, GRAVEL, PLASTER, DRYWALL, CUT STONE, GROUT TILE (LARGE SCALE)
CARPET	CONCRETE	WOOD BLOCKING
CONCRETE MASONRY UNITS	CONCRETE, PLASTER CUT STONE, STUCCO	WOOD MEMBER (CONTINUOUS)
EARTH COMPACTED/DISTURBED	METAL	WOOD STUDS, PARALLEL, FINISHED
METAL STUDS	PLYWOOD (LARGE SIZE)	ELEVATION
		BRICK
		GLASS
		WOOD

ABBREVIATIONS

A	ACCS PNL	ACCS PNL	ACCS PNL
B	BSMT	BM	BRG
C	CAB	CUH	CPT
D	DL	DEMO	DEPT
E	EQUJ	EQ	EQ
F	FC BRK	FOF	FGL
G	GA	GALV STL	GC
H	HCP	HDW	HDWD
I	INCL	ID	INSUL
J	JAN	JAN	JAN
K	KIT	KIT	KIT
L	LAB	LAM	LAU
M	MAINT	MH	MFD
N	NRC	NOM	N
O	OFF	OC	OPNG
P	PT	PR	PNL
Q	QT	QU	QU
R	REF	RCP	REIN
S	SNU	SNDU	SS
T	TYP	TYP	TYP
U	UNFIN	UH	UNO
V	VNR	VNT	VERT
W	WSCOT	WC	WH
X	X	X	X
Y	Y	Y	Y
Z	Z	Z	Z

CORE & SHELL BUILDING

STREETS OF WEST PRYOR LOT 5

2070 NW LOWENSTEIN DR, LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

GRAPHIC SYMBOLS

ELEVATION TAG	B3	BEARING ELEVATION MARK	EL - FLOOR 100'-0"
WALL SECTION TAG	B3	MATCHLINE	A-101 / 1
DETAIL CALLOUT	A2	DESCRIPTIVE ARROW	NEW / EXISTING
PARTITION TYPE TAG	P2	CENTERLINE MARK	CL
WINDOW TAG	11	SPOT ELEVATION	SPOT
DOOR TAG	D10B	DEMOLITION MARK	1
ROOM TAG	101	GENERAL NOTE MARK	1
		NEW CONSTRUCTION MARK	1
		REVISION MARK	1
		EQUIPMENT TAG	11

CODE SUMMARY

PROJECT SCOPE:
CORE & SHELL DOCUMENTS. DRAWINGS FOR TENANT IMPROVEMENT WILL BE ISSUED A SEPARATE PERMIT AND PROVIDED BY OTHERS.

JURISDICTIONAL BUILDING CODES:

INTERNATIONAL BUILDING CODE	2018
INTERNATIONAL MECHANICAL CODE	2018
NATIONAL ELECTRICAL CODE	2017
INTERNATIONAL PLUMBING CODE	2018
INTERNATIONAL FIRE CODE	2018
INTERNATIONAL FUEL GAS CODE	2018
ICC/ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES	2009

CONSTRUCTION INFORMATION:

BUILDING TYPE:	NEW CONSTRUCTION
OCCUPANCY TYPE:	M (MERCANTILE)
CONSTRUCTION TYPE:	V-B (NON-SPRINKLERED)
ALLOWABLE HEIGHT:	40 FT
ACTUAL HEIGHT:	28 FT
ALLOWABLE STORIES:	1
ACTUAL STORIES:	1
GROSS BUILDING AREA:	5,800 SF

ALLOWABLE FLOOR AREA:

ALLOWABLE FLOOR AREA (M):	9,000 SF
*FRONTAGE INCREASE N/A DUE TO ACTUAL AREA LESS THAN ALLOWABLE FLOOR AREA	

GROSS BUILDING AREA:

TENANT A:	1,785 SF
TENANT B:	1,548 SF
TENANT C:	2,376 SF
TOTAL GROSS AREA:	5,709 SF

OCCUPANT LOAD CALC:

TENANT A (M): IBC TABLE 1004.5	1,785 SF	60 GROSS	30 OCC
TENANT B (M): IBC TABLE 1004.5	1,548 SF	60 GROSS	26 OCC
TENANT C (M): IBC TABLE 1004.5	2,376 SF	60 GROSS	40 OCC

EXITS REQUIRED:

TENANT A (M): IBC TABLE 1006.2.1	1 EXIT
TENANT B (M): IBC TABLE 1006.2.1	1 EXIT
TENANT C (M): IBC TABLE 1006.2.1	1 EXIT

STRUCTURAL FIRE PROTECTION (IBC TABLE 601)

PRIMARY STRUCTURAL FRAME	(0) HOUR
EXTERIOR BEARING WALLS	(0) HOUR
INTERIOR BEARING WALLS	(0) HOUR
EXTERIOR NON-BEARING WALLS & PARTITIONS	NA
INTERIOR NON-BEARING WALLS & PARTITIONS	(0) HOUR
STRUCTURAL FRAME	(0) HOUR
FLOOR CONSTRUCTION	(0) HOUR
ROOF CONSTRUCTION	(0) HOUR

STRUCTURAL FIRE PROTECTION (IBC TABLE 601)

- AUTOMATIC SPRINKLER SYSTEM (NO)
- EXIT LIGHTING PROVIDED

CODE PLAN LEGEND

2-HR SEPARATION	•••••
EXIT	▲

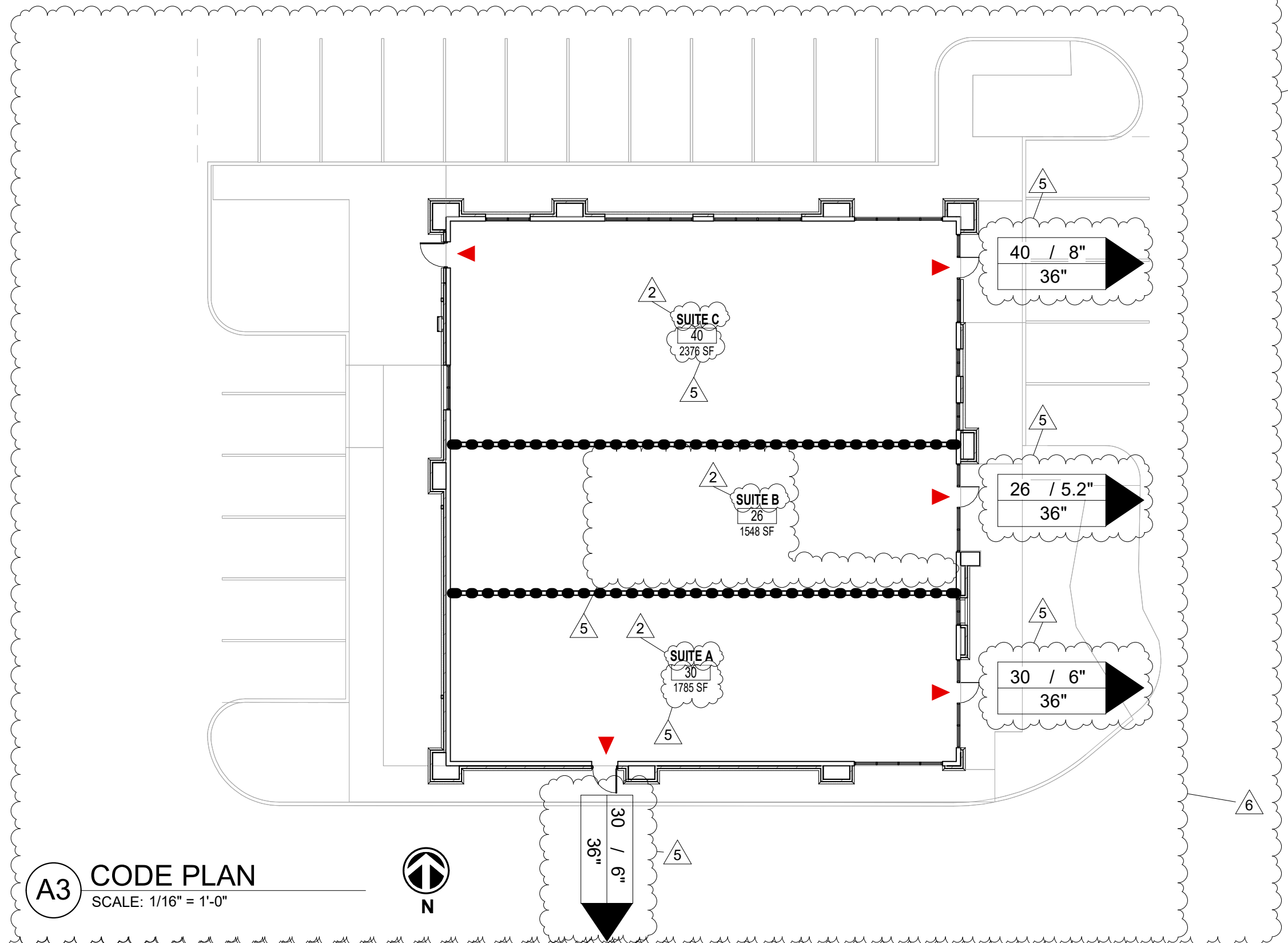
NOTE:
2-HR SEPARATION WALL WILL BE CONSTRUCTED AS A FIRE BARRIER, UL #1423, EXTENDING FROM FOUNDATION TO UNDERSIDE OF ROOF SHEATHING.

EGRESS LOAD TAGS

DOOR / OPENING	1200 / 24"
OCCUPANT LOAD / EGRESS WIDTH REQ'D	34"
EGRESS WIDTH PROVIDED	

CODE PLAN ROOM TAG

ROOM	ROOM NAME
100	OCCUPANCY LOAD
1000 SF	ROOM AREA (SQUARE FEET)



A3 CODE PLAN
SCALE: 1/16" = 1'-0"

DESIGN TEAM

ARCHITECTURAL DESIGN	SCHWERDT DESIGN GROUP 2231 SW WANAMAKER RD SUITE 303 TOPEKA, KANSAS 66614	CONTACT: MICHAEL HAMPTON & ROSS SIEGLE PHONE: 785-273-7540 FAX: 785-273-7579 E-MAIL: MKH@SDGARCH.COM RJS@SDGARCH.COM
MECHANICAL & ELECTRICAL DESIGN	PKMR ENGINEERS 13300 WEST 98TH STREET LENEXA, KANSAS 66215	CONTACT: BRYAN LEINWETTER PHONE: 913-492-2400 E-MAIL: BRYAN.LEINWETTER@PKMRENG.COM
STRUCTURAL DESIGN	CERTUS STRUCTURAL ENGINEERS 900 S KANSAS AVENUE SUITE 400 TOPEKA, KANSAS, 66612	CONTACT: AARON SCOTT PHONE: 785-291-0400 E-MAIL: AARON.SCOTT@CERTUSSE.COM
CIVIL DESIGN	SM ENGINEERING 1919 W STEWART ROAD COLUMBIA, MISSOURI 65203	CONTACT: SAM MALINOWSKI, PE PHONE: 785-341-9747 E-MAIL: SMCIVILENGR@GMAIL.COM

SHEET INDEX

GENERAL	
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S-101	FRAMING ISOMETRIC
S-301	CONCRETE DETAILS & SECTIONS
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S-602	FRAMING DETAILS & SECTIONS
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ME-201	PHOTOMETRIC PLAN
ME-202	SITE MEP PLAN
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M-201	HVAC FLOOR PLAN
ELECTRICAL	
E-101	POWER FLOOR PLAN
E-201	LIGHTING FLOOR PLAN

schwerdt design group
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phone: 405.231.3105
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SCHWERDT DESIGN GROUP INC
MO CERTIFICATE OF AUTH. #F0033876

CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
2070 NW LOWENSTEIN DR, LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES

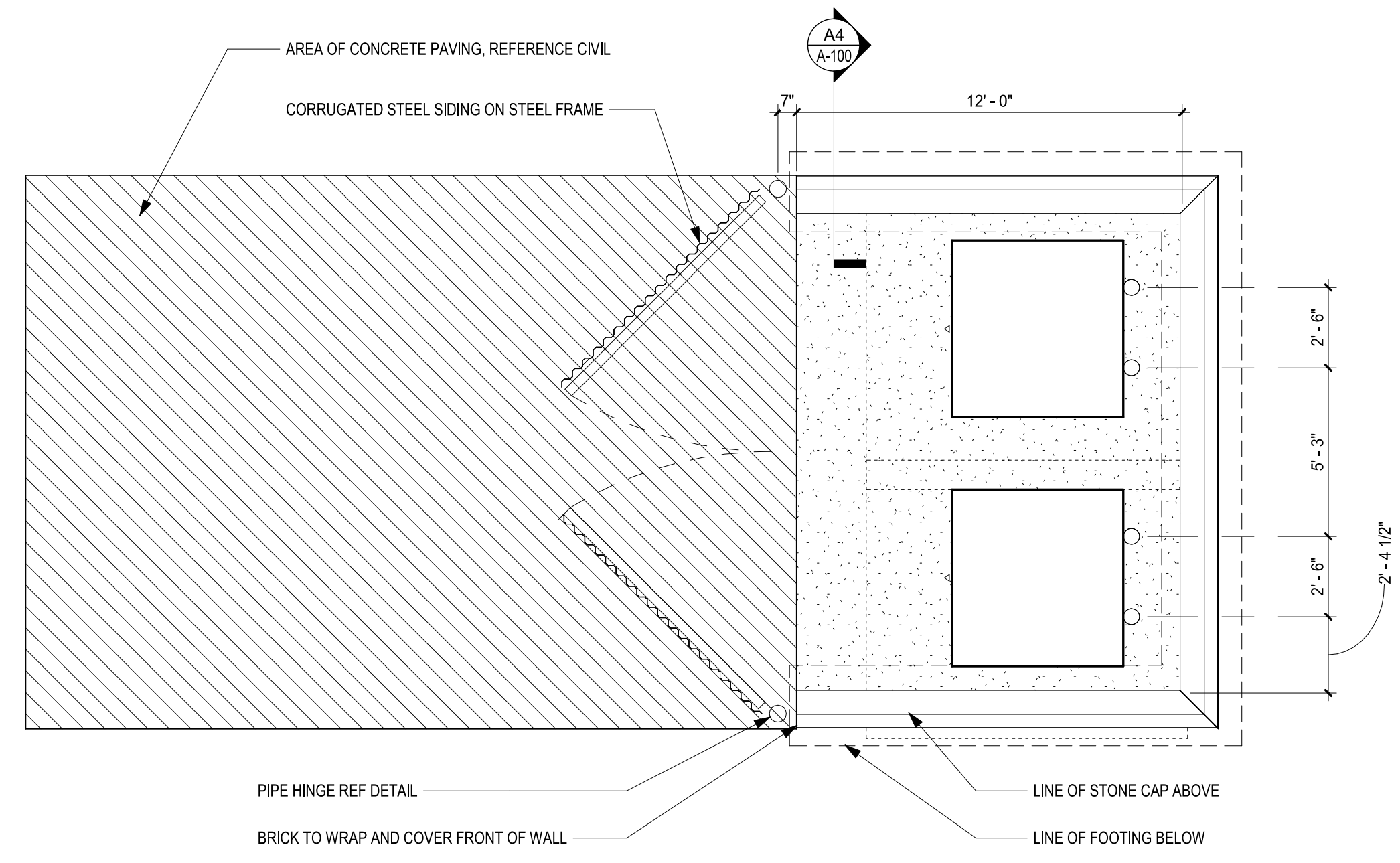
2 ASI-1	06-13-2023
5 ASI-4	11-07-2023
6 ASI-5	02-19-2024
8 ASI-7	04-08-2024

SHEET TITLE
COVER SHEET

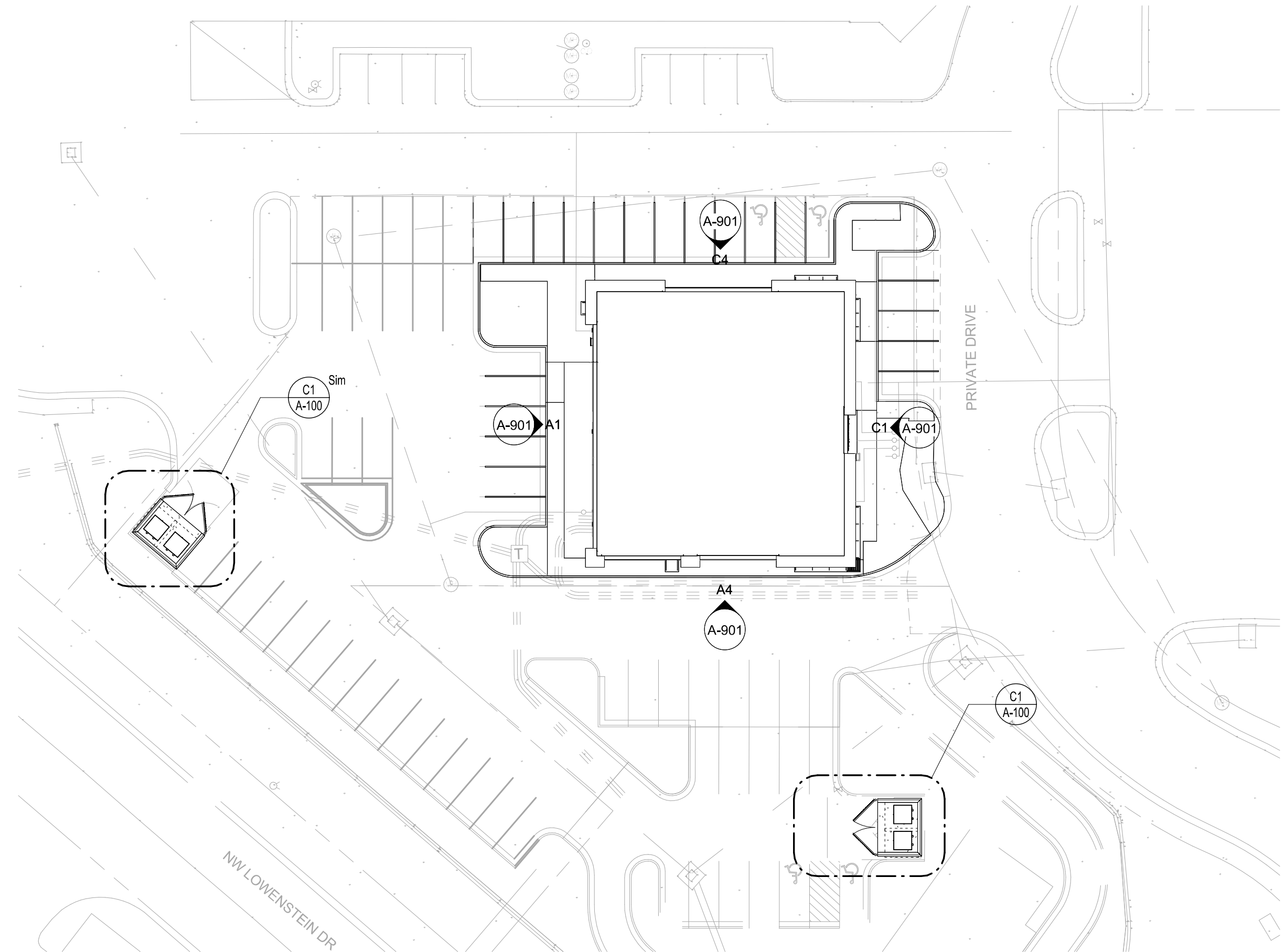
PROJECT NUMBER
230117

SHEET NUMBER
G-001

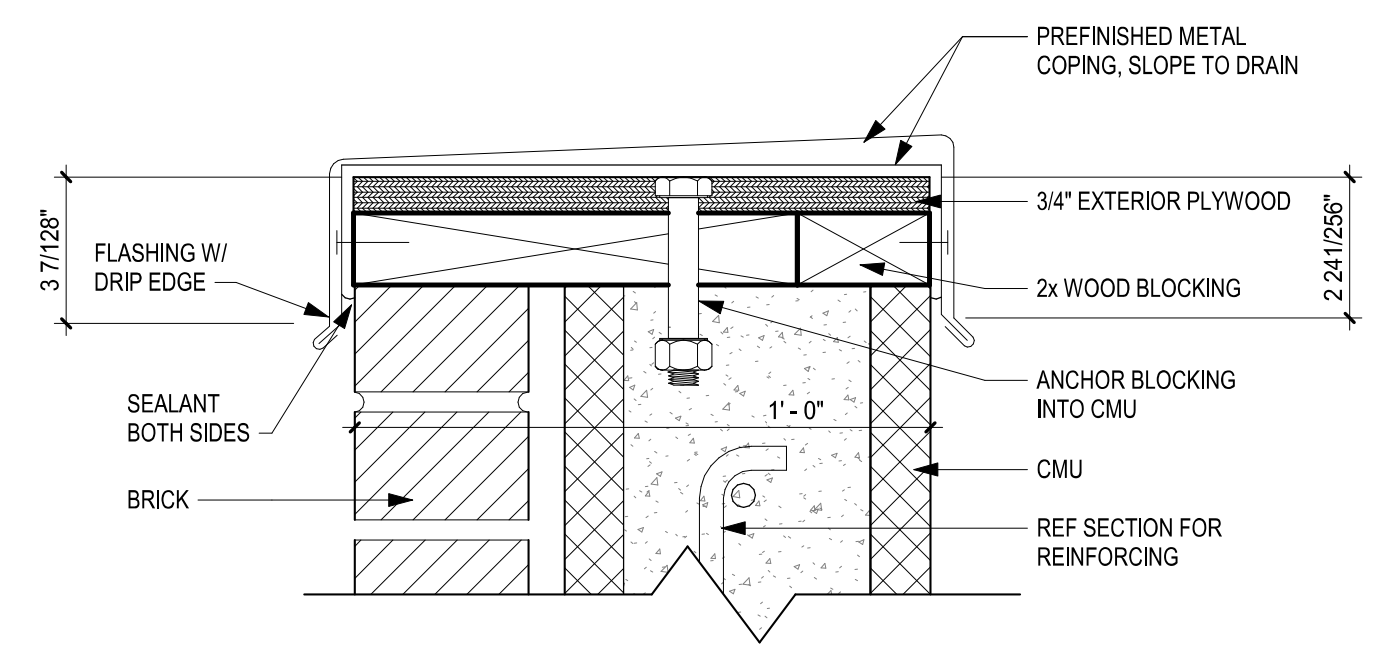
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DATE: 4/8/2024 11:39:10 AM
DRAWN BY: Author



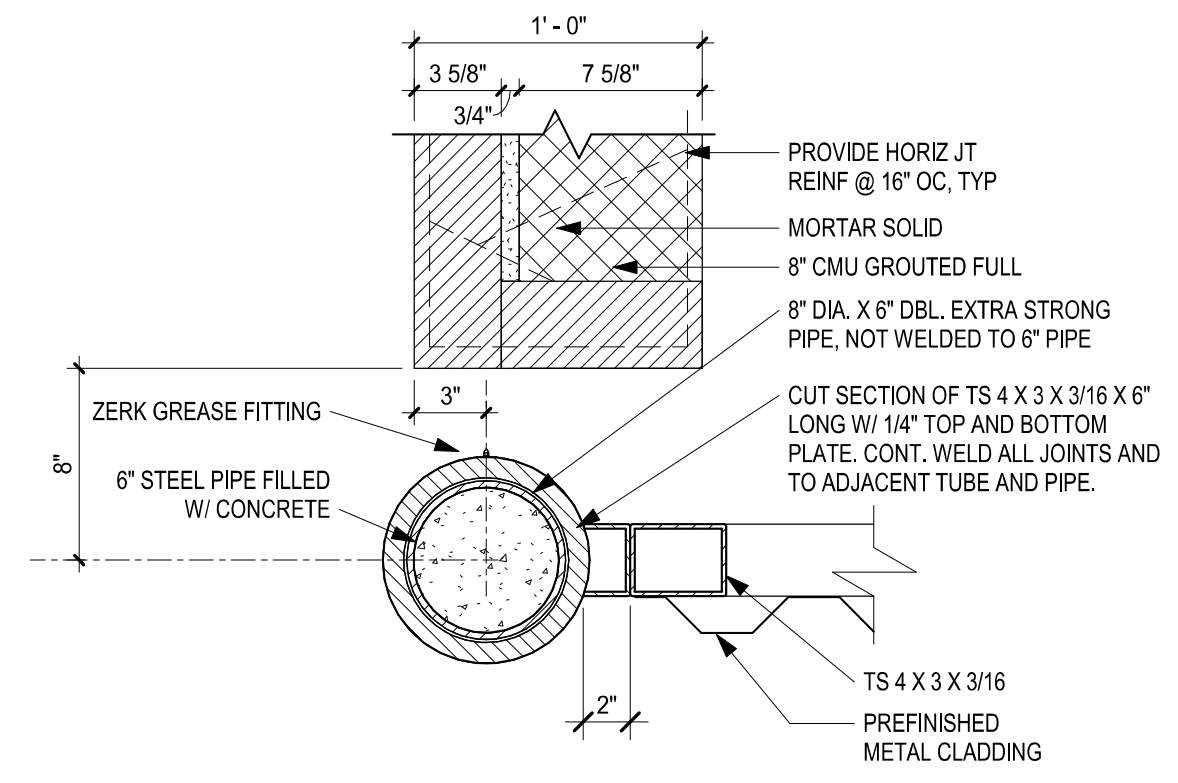
C1 TYP. TRASH ENCLOSURE PLAN
SCALE: 1/4" = 1'-0"



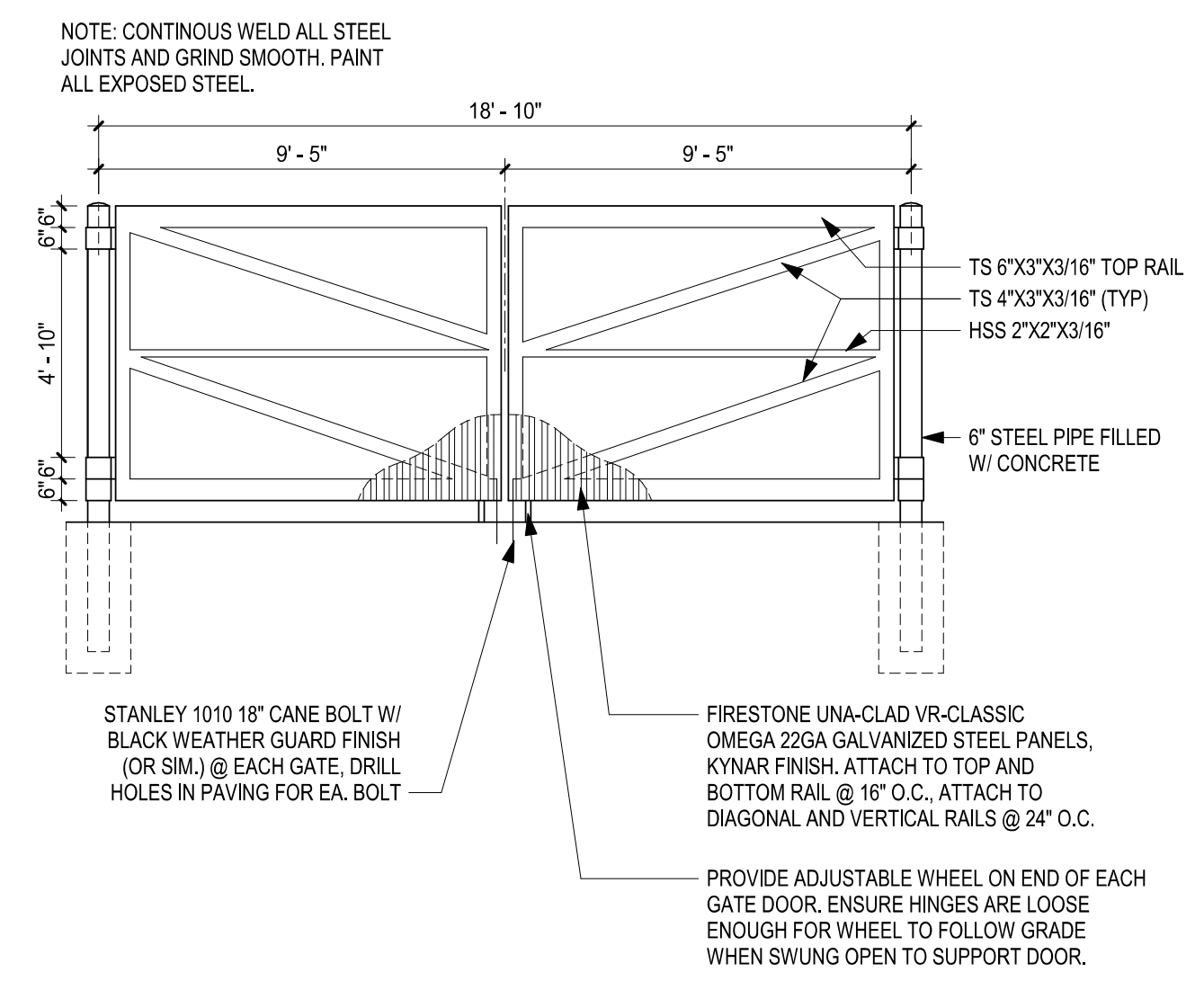
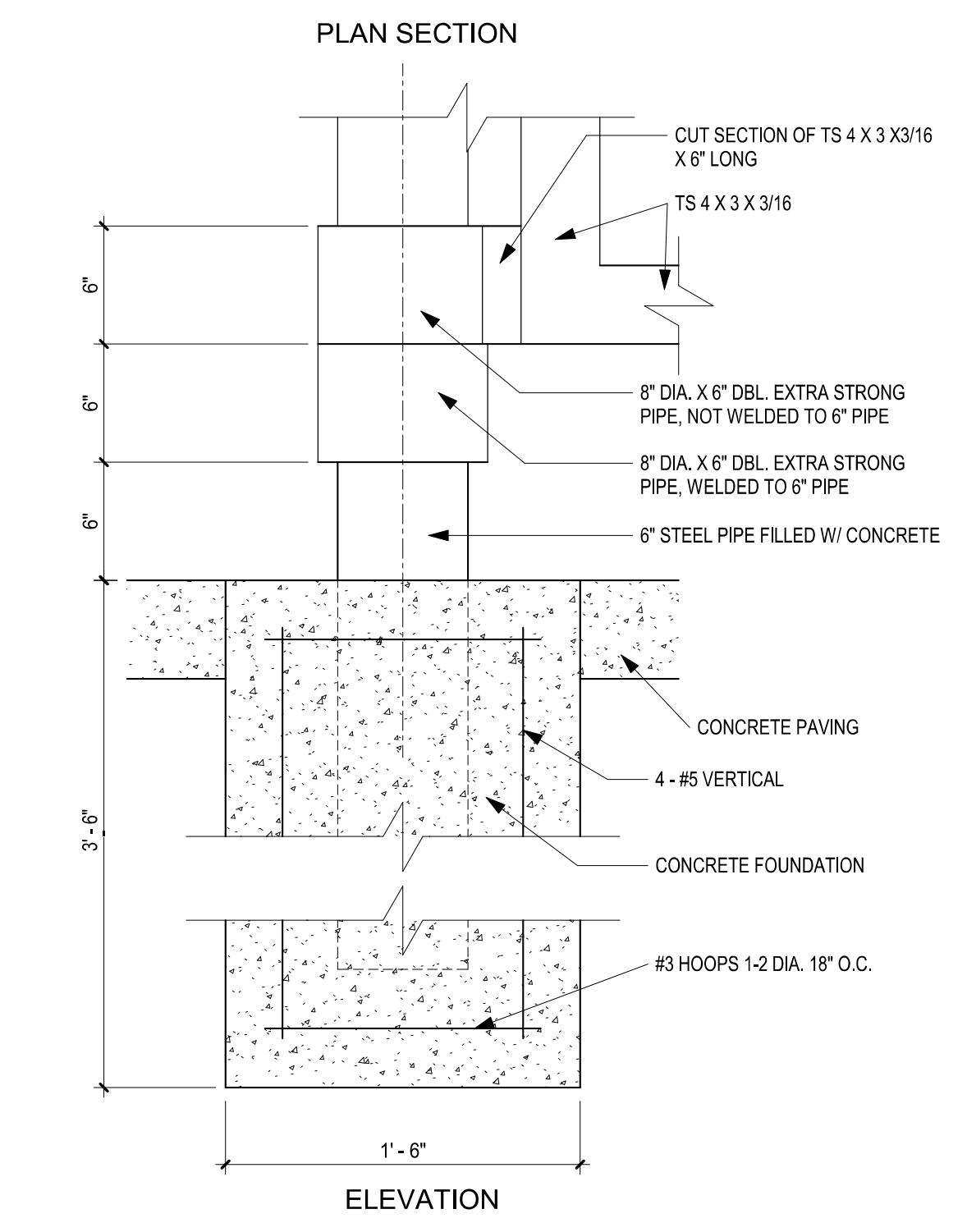
A1 SITE PLAN
SCALE: 1" = 30'-0"



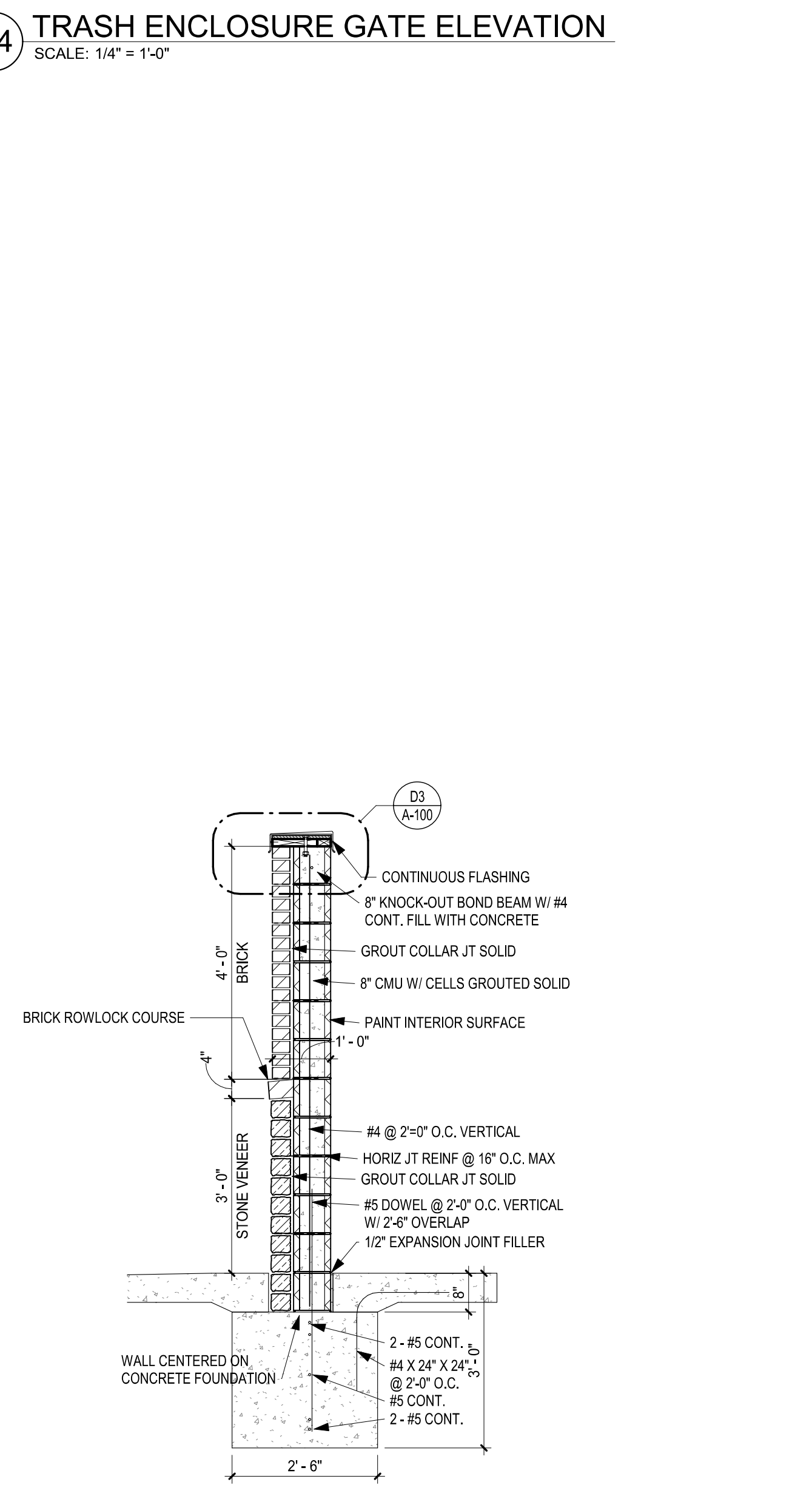
D3 TRASH ENCLOSURE CAP DETAIL
SCALE: 3" = 1'-0"



A3 ENCLOSURE GATE HINGE DETAIL
SCALE: 1 1/2" = 1'-0"



C4 TRASH ENCLOSURE GATE ELEVATION
SCALE: 1/4" = 1'-0"



A4 TRASH ENCLOSURE WALL SECTION
SCALE: 1/2" = 1'-0"

schwerdt design group
architecture | interiors | planning
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fax: 785.273.7579

STATE OF MISSOURI
MICHAEL K. HAMPTON
ARCHITECT
#MO-A-2008027042

SCHWERDT DESIGN GROUP INC
MO CERTIFICATE OF AUTH. #P0033876

CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
LEAS SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
PROGRESS PRINT ONLY

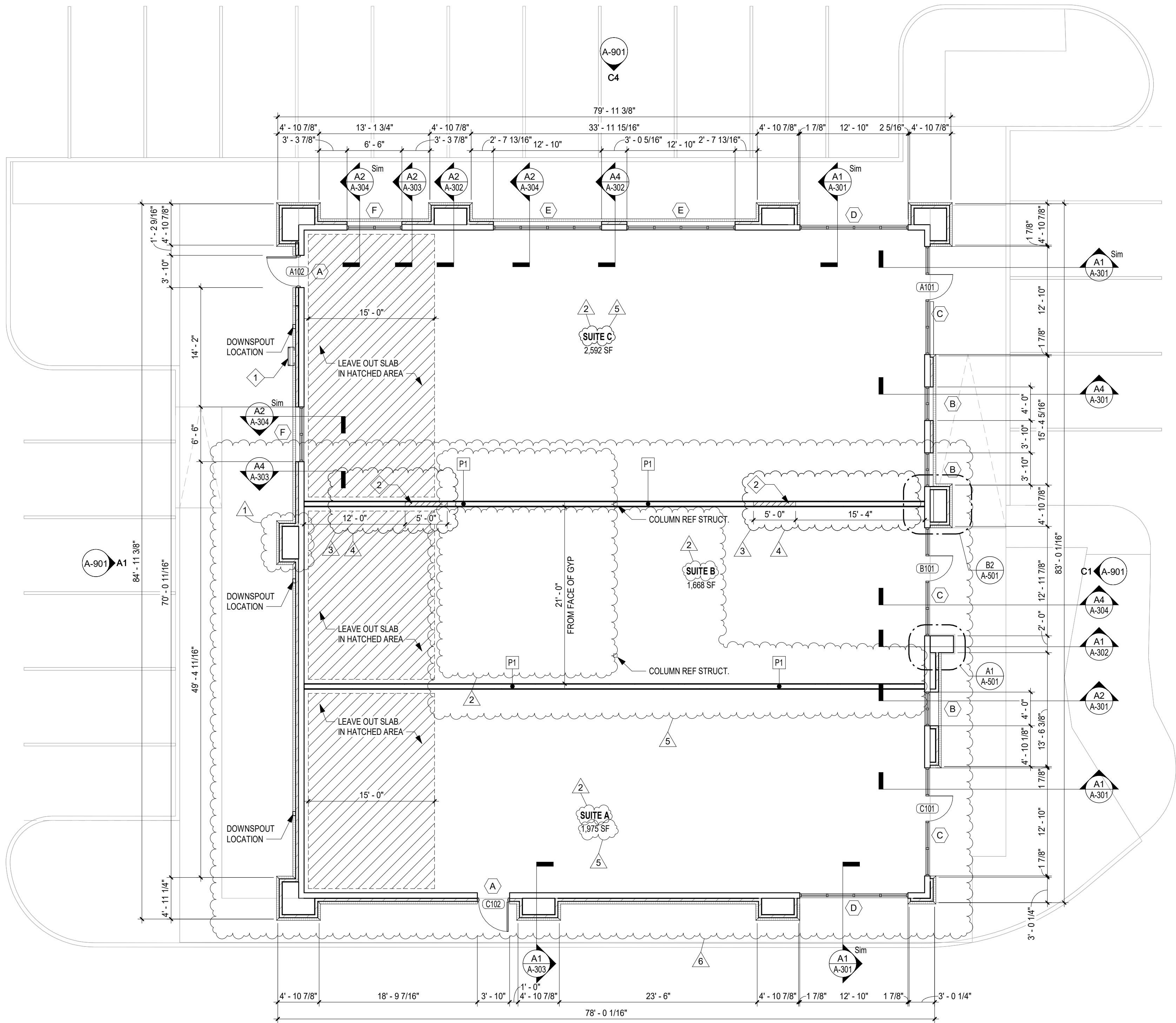
SHEET TITLE
SITE PLAN

PROJECT NUMBER
230117

SHEET NUMBER
A-100

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DATE: 5/23/2023 4:19:09 PM
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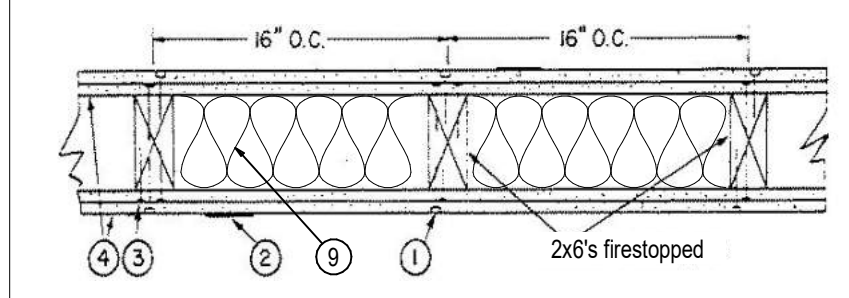
A1 FIRST FLOOR
 SCALE: 1/8" = 1'-0"

KEYED PLAN NOTES

1. LANDLORD TO PROVIDE PADLOCK FOR ROOF ACCESS LADDER AND 5 KEYS TO PADLOCK
2. FUTURE PASS-THROUGH 5' W x 9' H OPENINGS. REF. STRUCTURAL.

PARTITION TYPES

2 HR WALL ASSEMBLY PER UL DESIGN NO. U301



1. Nailheads — Exposed or covered with joint compound.
 2. Joints — Exposed joints covered with joint compound and paper tape. Joint compound and paper tape may be omitted when square edge boards are used. As an alternate, non 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape.
 3. Nails — 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam, 1/4 in. diam heads, and 8d cement coated nails 2-3/8 in. long, 0.113 in. shank diam, 9/32 in. diam heads.
 4. Gypsum Board* — 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with the 1-7/8 in. nails spaced 6 in. O.C. Outer layer attached to studs over inner layer with the 2-3/8 in. long nails spaced 8 in. O.C. Vertical joints located over studs. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side. When used in widths other than 48 in., gypsum board to be installed horizontally.
 5. NOT USED
 6. NOT USED
 7. NOT USED
 8. NOT USED
 9. Batts and Blankets — Min. 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the stud cavities. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.
 10. NOT USED
 11. NOT USED
- P1 2HR RATED PARTITION** NOTE: ALL PENETRATIONS THRU DEMISING WALLS MUST BE FIRESTOPPED.

NON-RATED GYPSUM BOARD PARTITION

1. 5/8" Gypsum board on each side of 3 1/2" wood studs @ 16" O.C.
2. Water resist gyp on restroom side.

P2 NON-RATED PARTITION

PLUMBING CHASE PARTITION

1. 5/8" Gypsum board on one side only of 3 1/2" wood studs @ 16" O.C.
2. Water resist gyp on restroom side.

P3 PLUMBING CHASE PARTITION



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CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
 2070 NW LOWENSTEIN DR, LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES	
1 ADD-1	06-02-2023
2 ASI-1	06-13-2023
3 ASI-2	07-07-2023
4 ASI-3	07-26-2023
5 ASI-4	11-07-2023
6 ASI-5	02-19-2024
8 ASI-7	04-08-2024

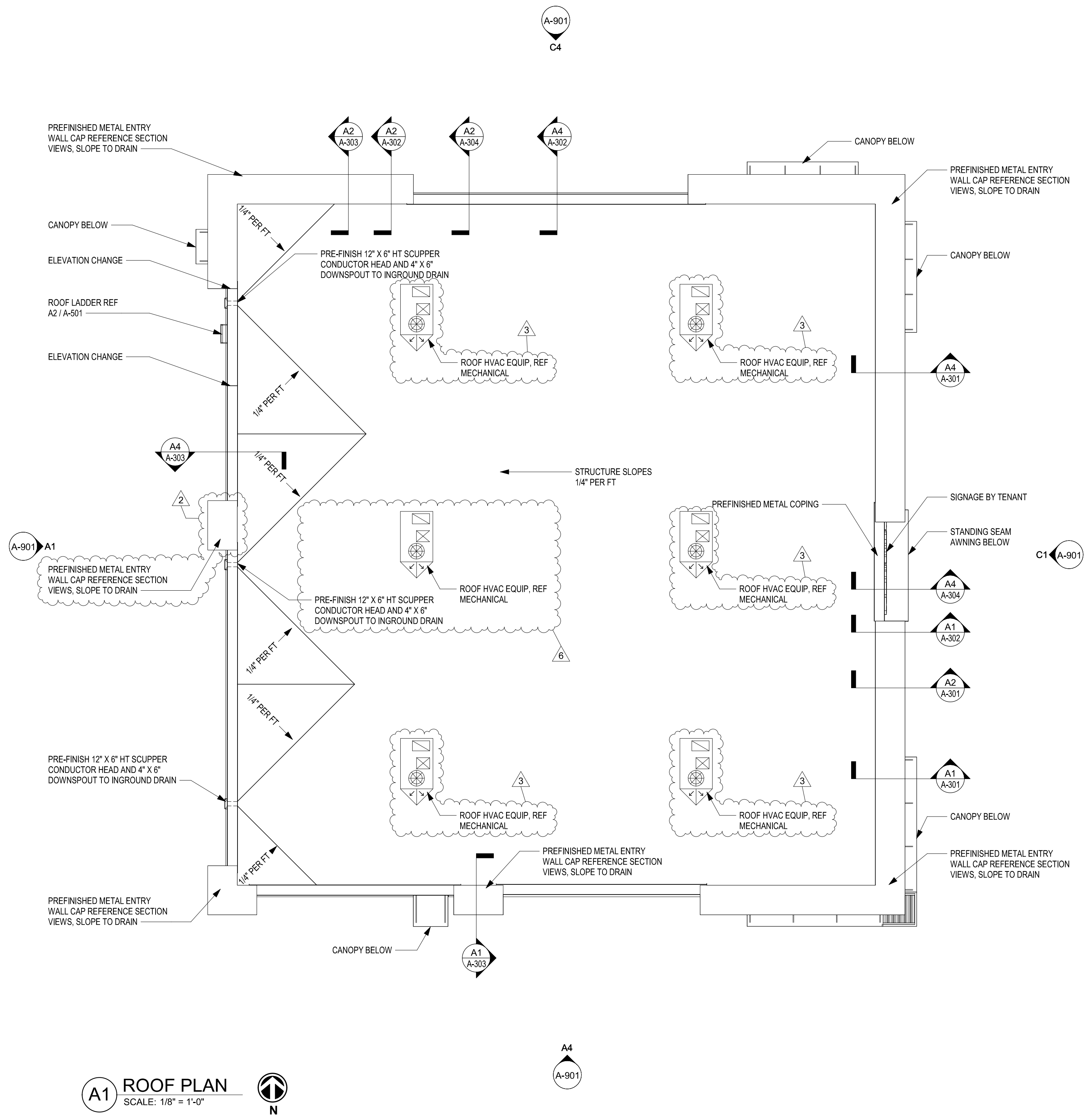
SHEET TITLE
FIRST FLOOR PLAN

PROJECT NUMBER
230117

SHEET NUMBER
A-101

ROOF PLAN NOTES

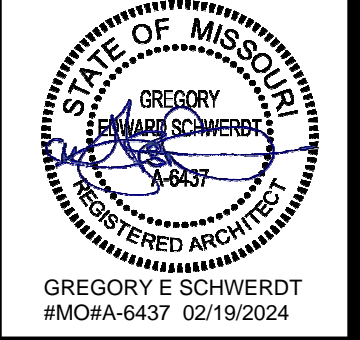
- 1. TPO ROOF MEMBRANE
- 2. R-30 INSULATION



A1 ROOF PLAN
SCALE: 1/8" = 1'-0"



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GREGORY E SCHWERDT
#MO#A-6437 02/19/2024

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CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
2070 NW LOWENSTEIN DR, LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081


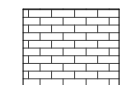
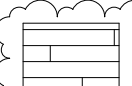
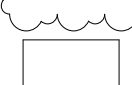

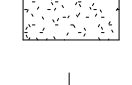
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6	ASI-5	02-19-2024

SHEET TITLE
ROOF PLAN

PROJECT NUMBER
230117

SHEET NUMBER
A-102

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EXTERIOR MATERIALS	
	SPLIT FACE STONE VENEER (ST-1) COLOR: (CHARCOAL) BANFF SPRINGS CLIFFSTONE STYLE / MORTAR: ENGINEERED STONE VENEER MANUFACTURER: ELDORADO STONE
	FACE BRICK (BK-1) COLOR: CHARCOAL W/ SM770 SABLE MORTAR STYLE: COAL GREEK MANUFACTURER: MUTUAL MATERIALS
	FASTPLANK WOODGRAIN ALUMINUM SIDING PLANK SYSTEM (AP-1) COLOR: (DARK BROWN) STYLE: WOODGRAIN TEXTURE MANUFACTURER: FASTPLANK
	PRE-FINISHED METAL (MTL-1) COLOR: TBD LANDLORD TO SELECT FINAL COLOR STYLE: FLUSH SEAM PANEL MANUFACTURER: STUCCO EMBOSSED BERRIDGE
	EFS - MAIN (EF-1) COLOR: WHITE (SW ID TBD) STYLE: SANDBLAST TEXTURE MANUFACTURER: DRYVIT
	EFS - ACCENT (EF-2) COLOR: SW 7018 DOVETAIL STYLE: SANDBLAST TEXTURE MANUFACTURER: DRYVIT

* COLOR MATCH ALL METAL FOR ALUMINUM STOREFRONTS, FLASHINGS / COPINGS, CANOPIES, PANELS, DOWNSPOUTS & SCUPPERS

* LANDLORD TO HAVE FINAL DETERMINATION OVER MATERIAL COLOR AND SELECTION



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MICHAEL K. HAMPTON
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MO CERTIFICATE OF AUTH. #F00363876

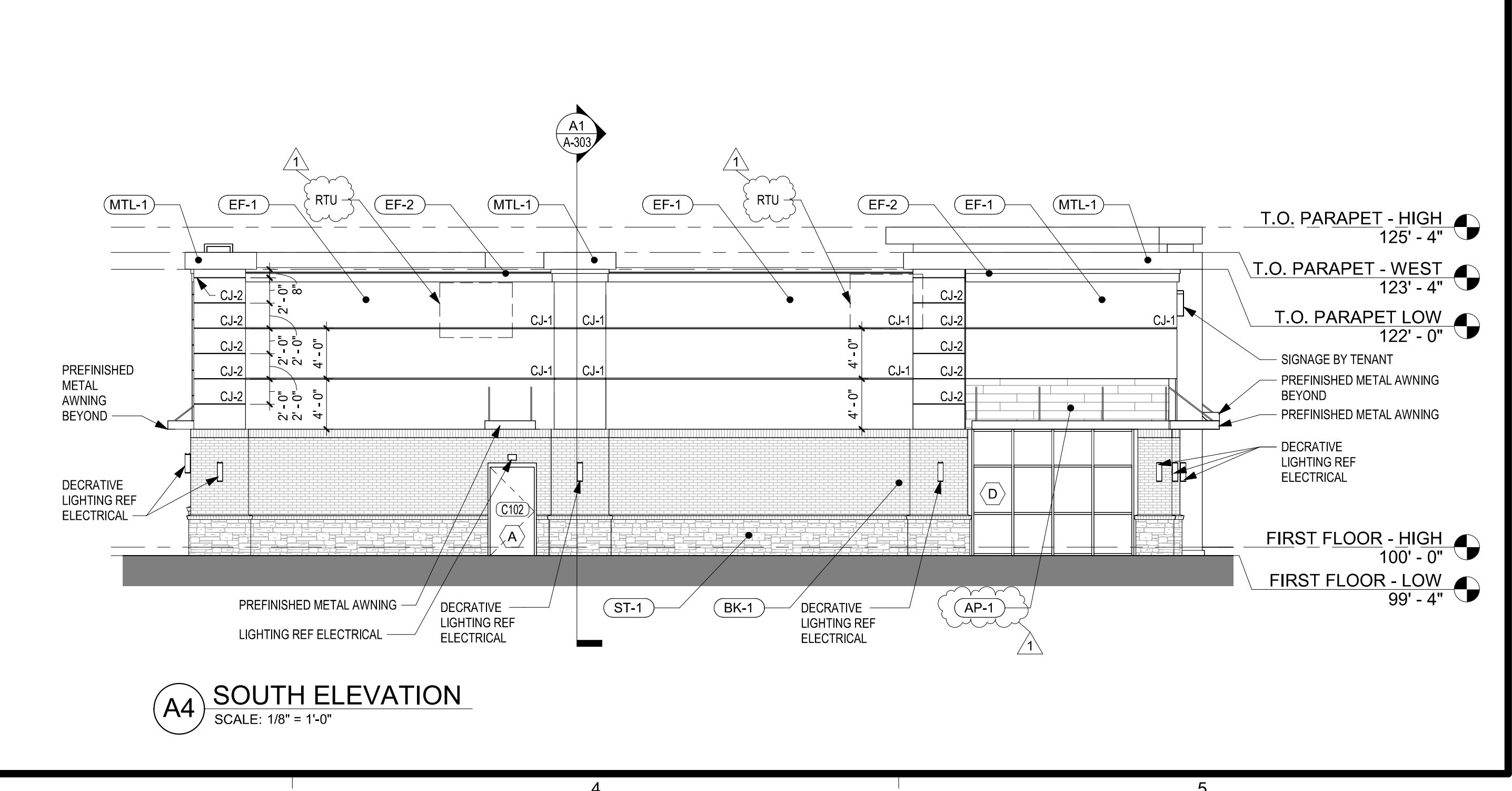
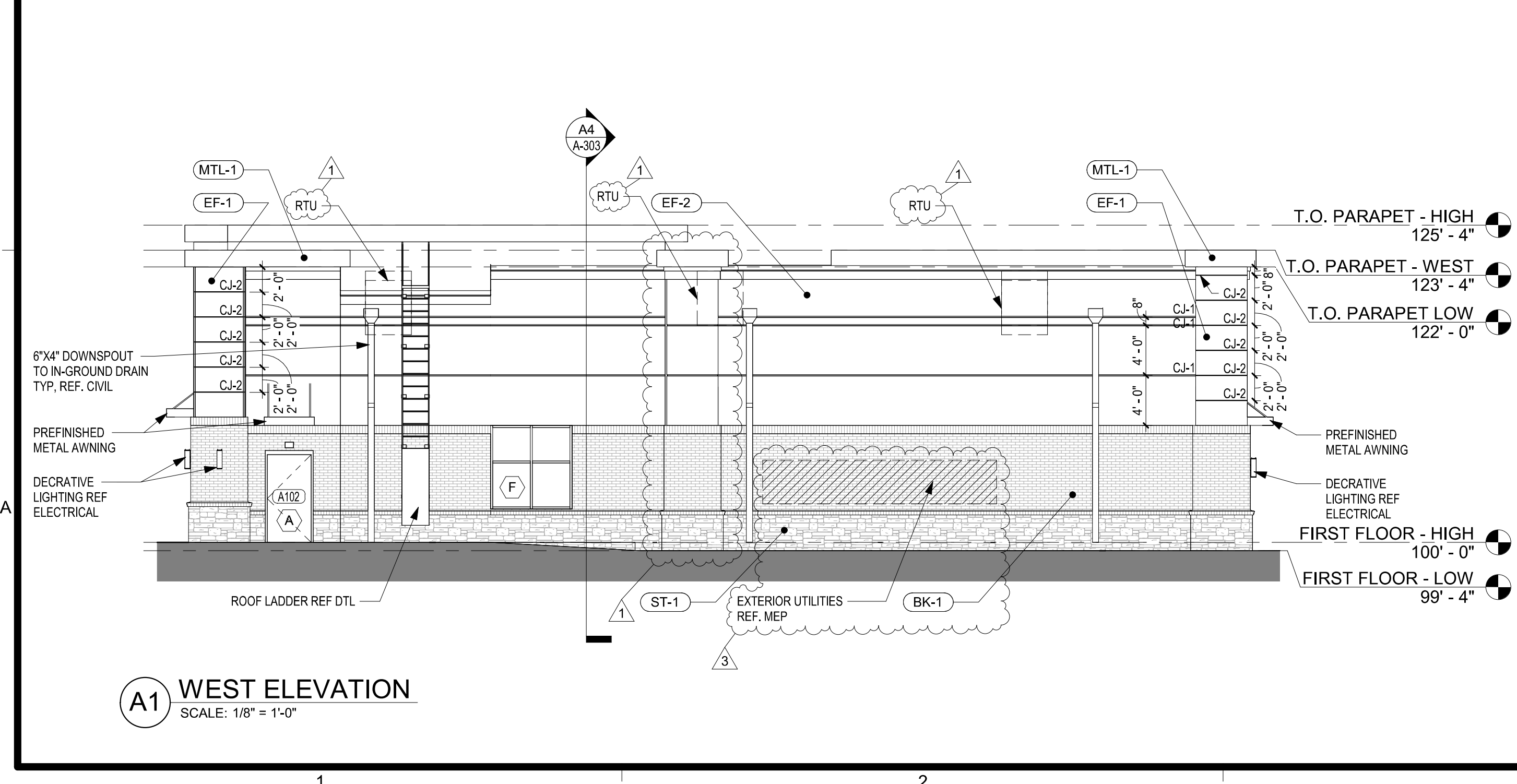
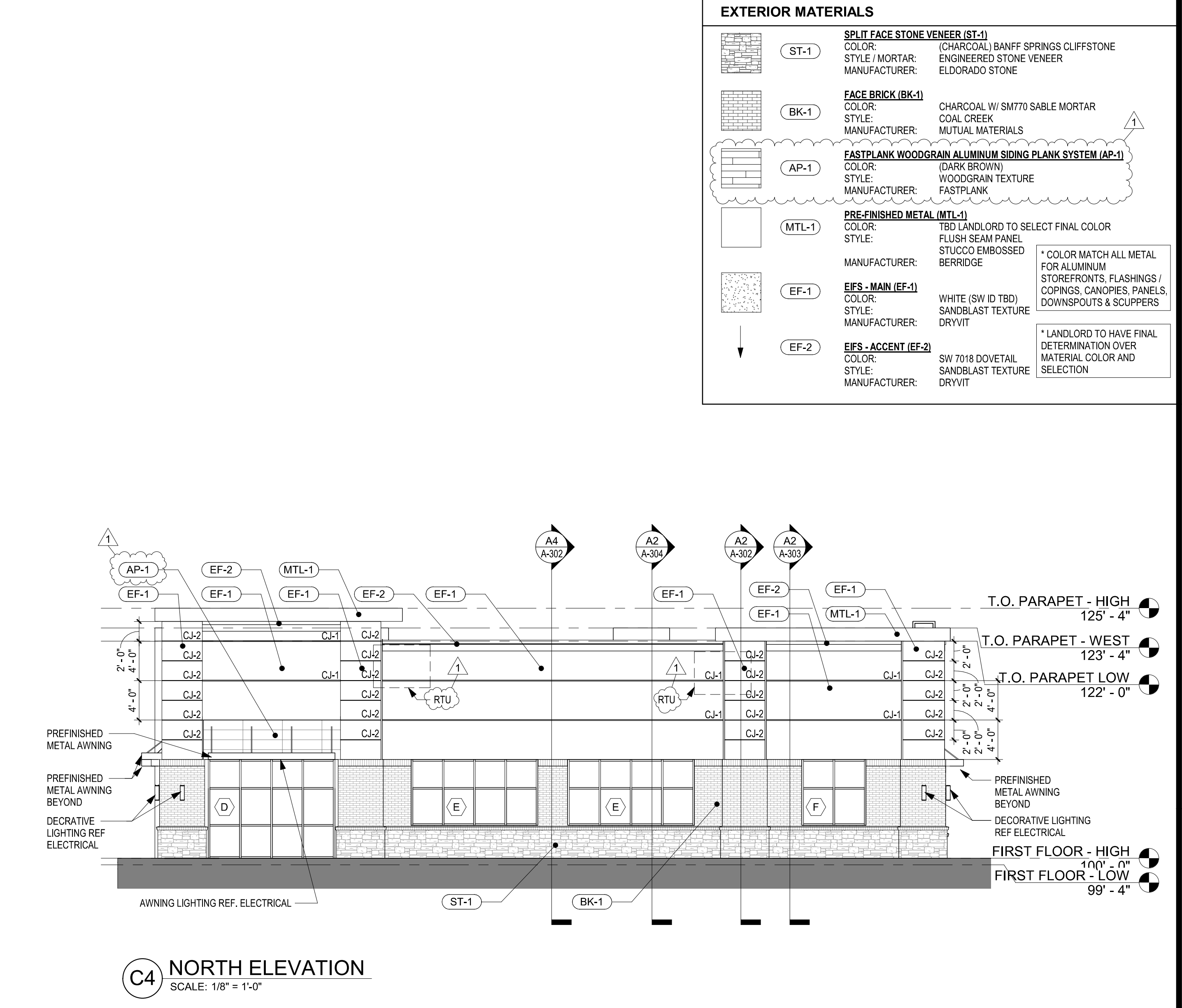
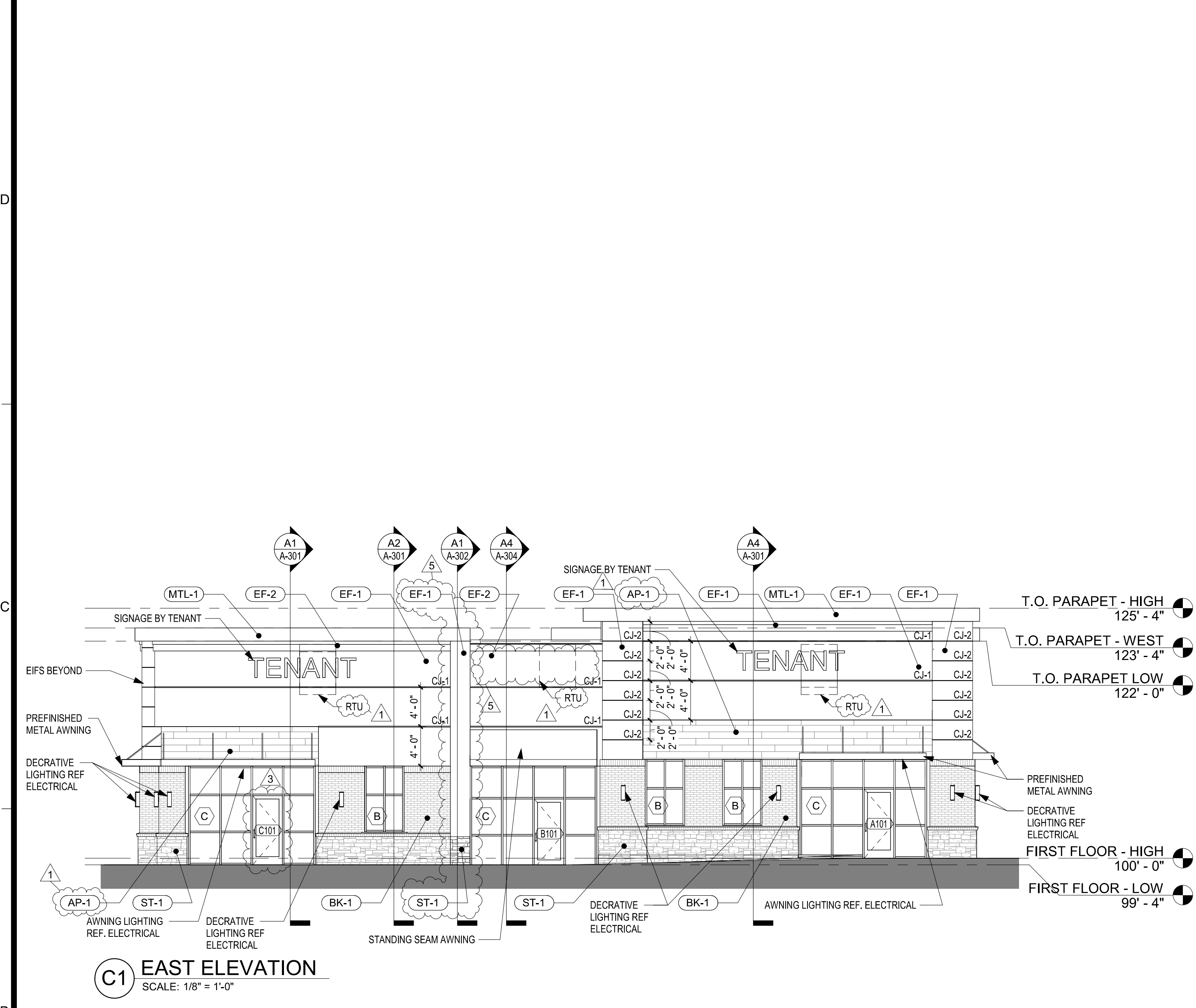
CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
2070 NW LOWENSTEIN DR, LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES	
PROGRESS PRINT ONLY	
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3	ASI-2 07-07-2023
5	ASI-4 11-07-2023

SHEET TITLE
EXTERIOR ELEVATIONS

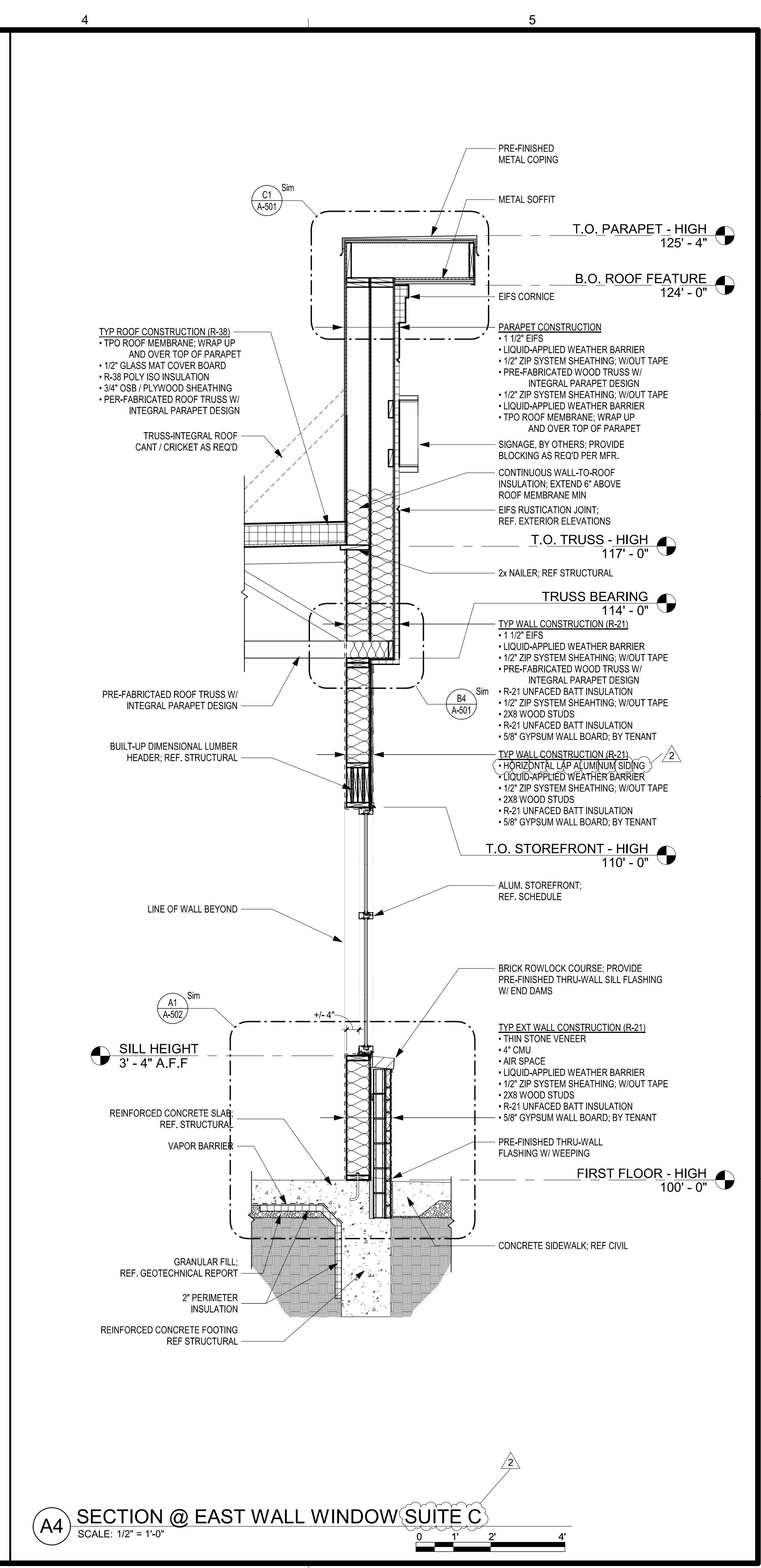
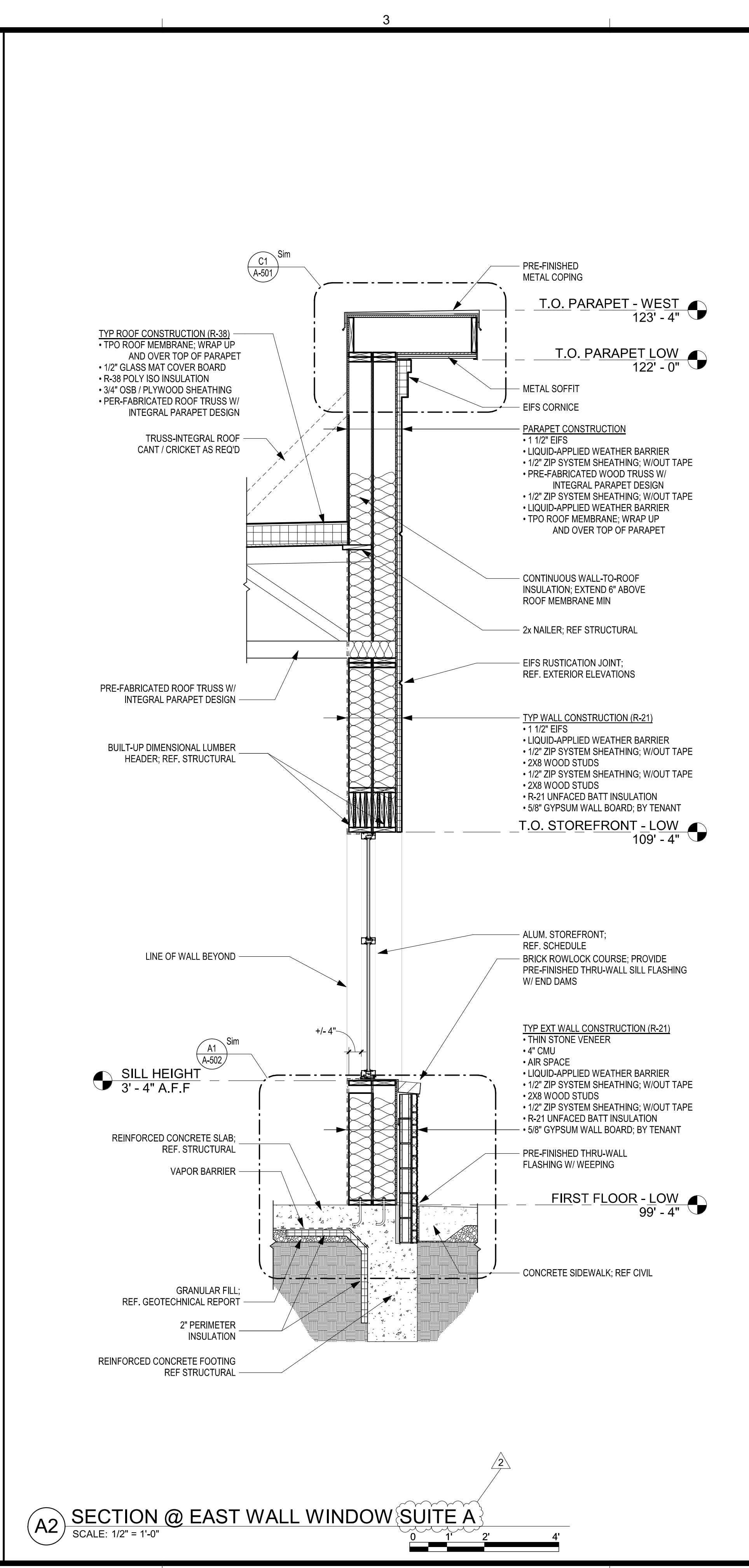
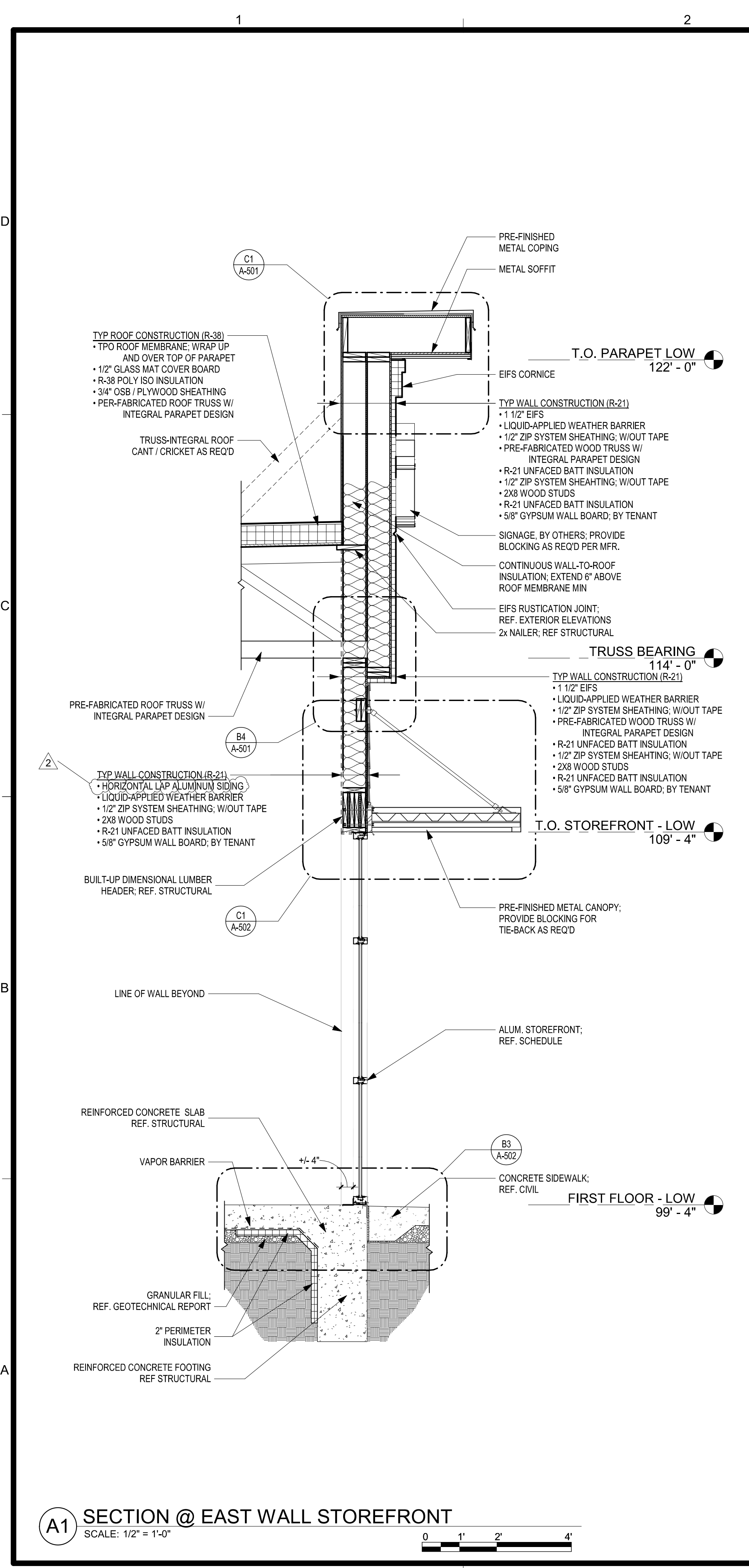
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SHEET NUMBER
A-201



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MICHAEL K. HAMPTON
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 #MCA A-209827042

CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
 2070 NW LOWENSTEIN DR, LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

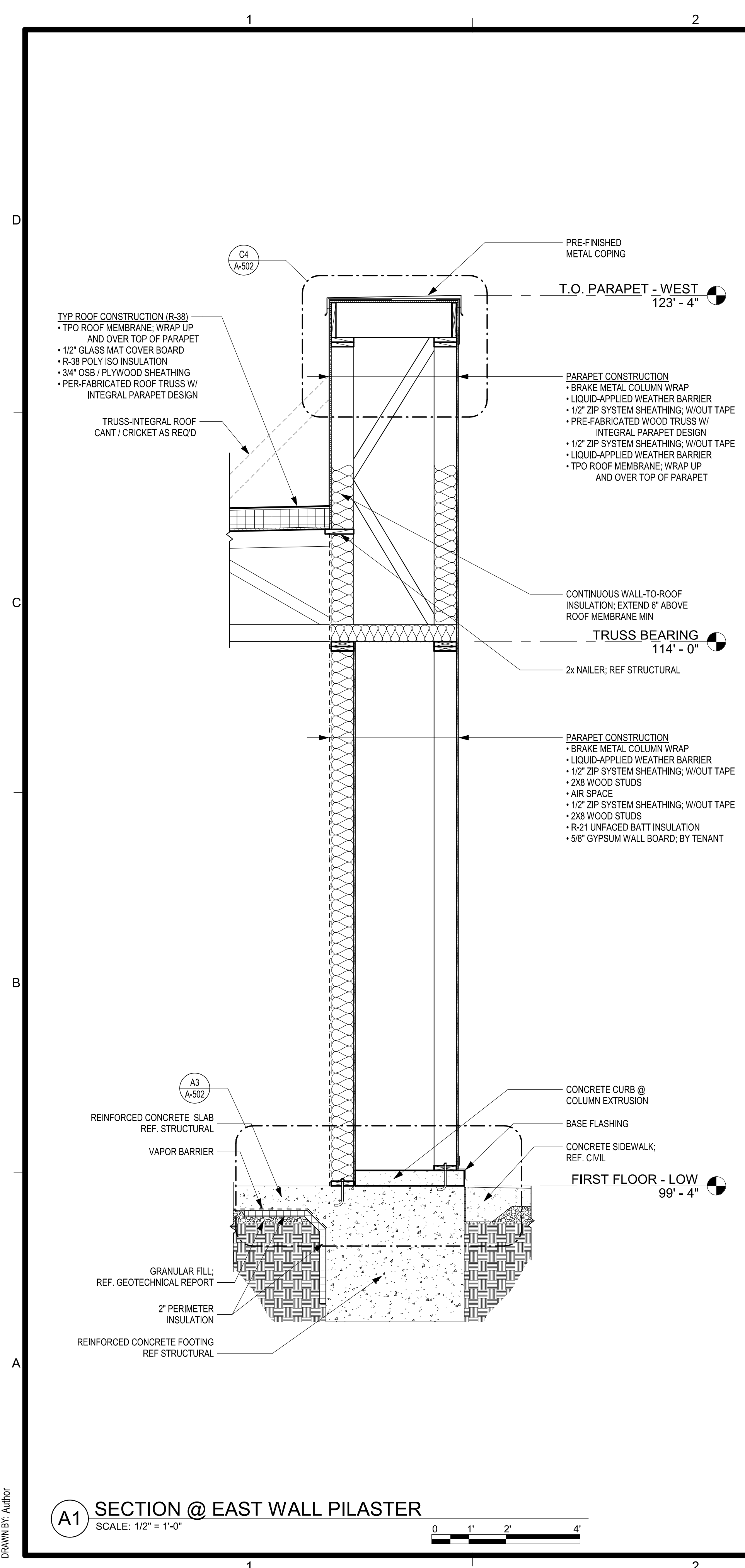
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SHEET TITLE
 WALL SECTIONS

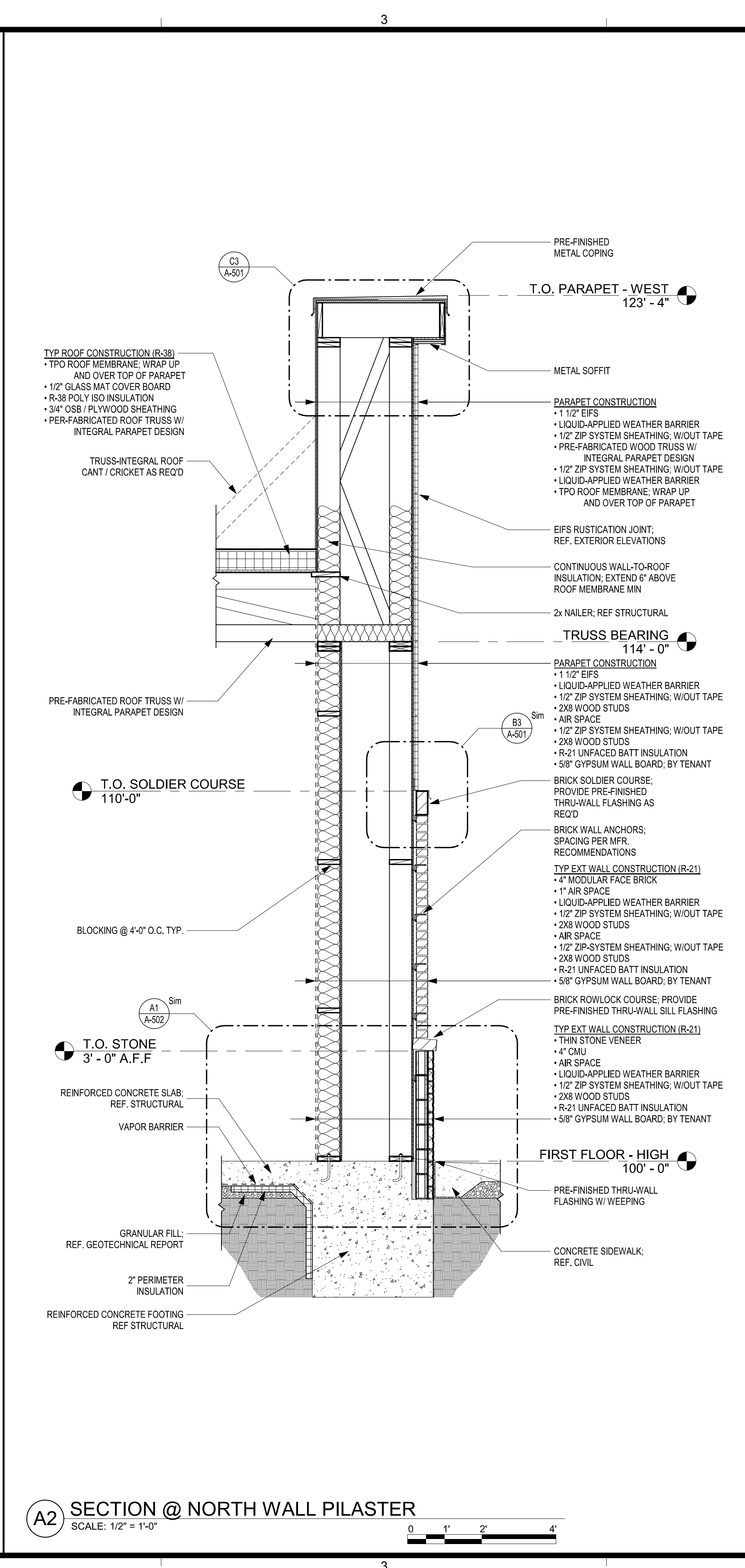
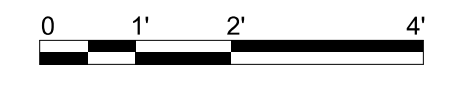
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SHEET NUMBER
A-301

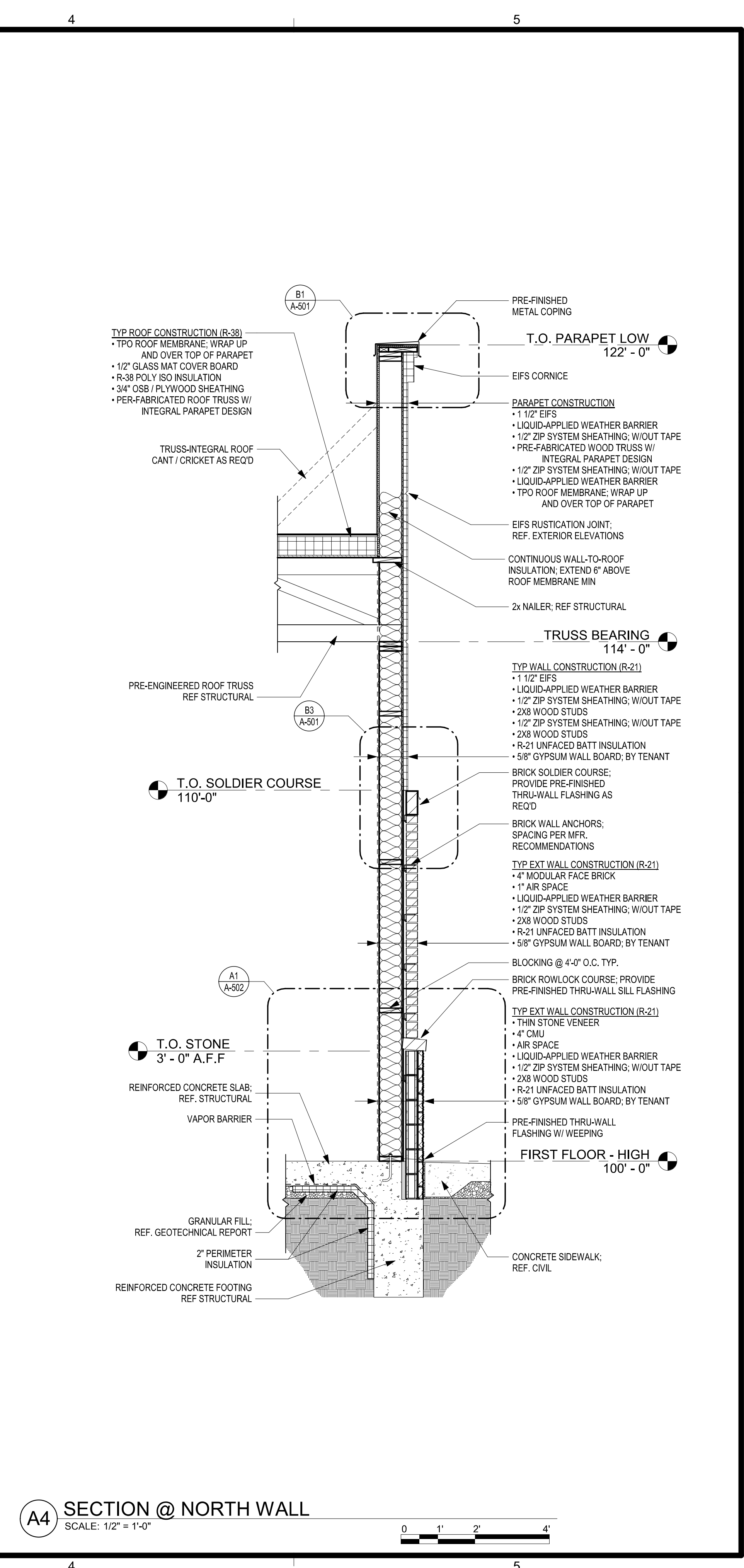
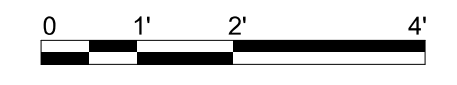
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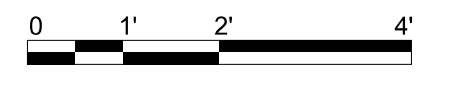
A1 SECTION @ EAST WALL PILASTER
 SCALE: 1/2" = 1'-0"



A2 SECTION @ NORTH WALL PILASTER
 SCALE: 1/2" = 1'-0"



A4 SECTION @ NORTH WALL
 SCALE: 1/2" = 1'-0"



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**CORE & SHELL BUILDING
 STREETS OF WEST PRYOR LOT 5
 LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081**

SUBMISSION DATES
 PROGRESS PRINT ONLY

SHEET TITLE
 WALL SECTIONS

PROJECT NUMBER
230117

SHEET NUMBER
A-302

D

C

B

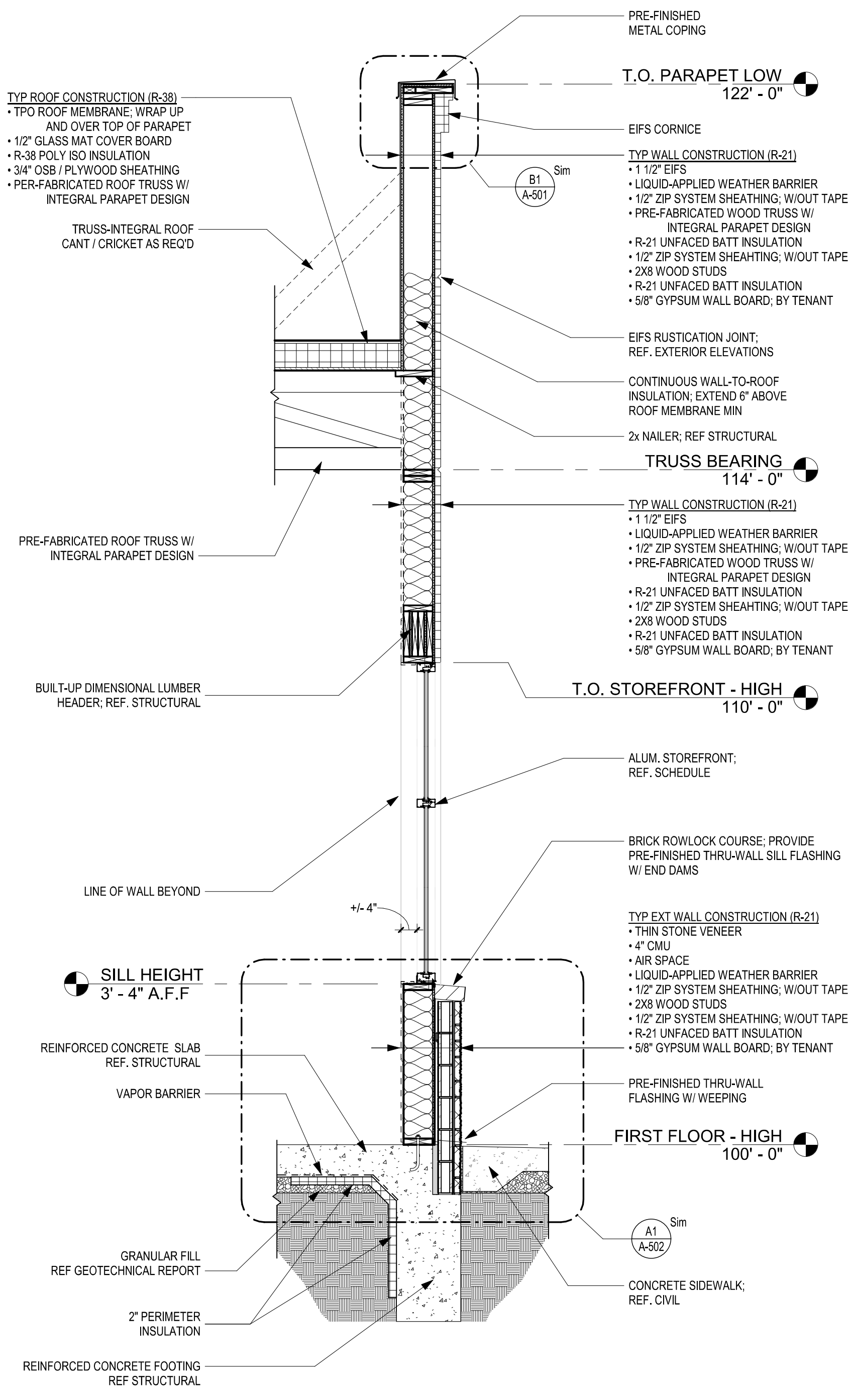
A

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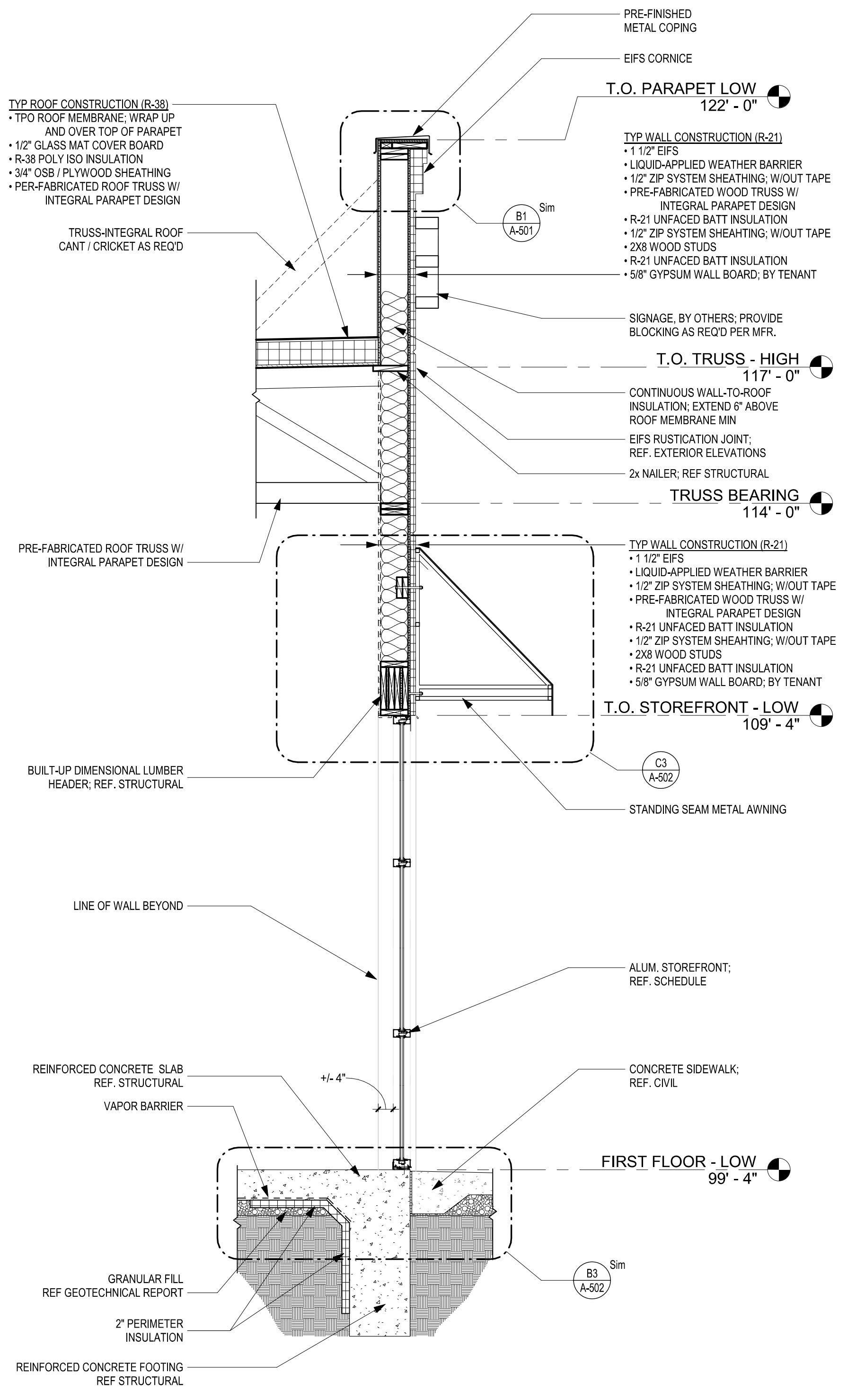
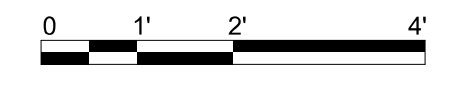
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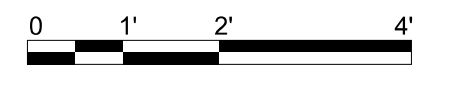
A



A2 SECTION @ NORTH WALL W/ WINDOW
SCALE: 1/2" = 1'-0"



A4 SECTION @ EAST WALL W/ STANDING SEAM AWNING
SCALE: 1/2" = 1'-0"



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STATE OF MISSOURI
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CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
 LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

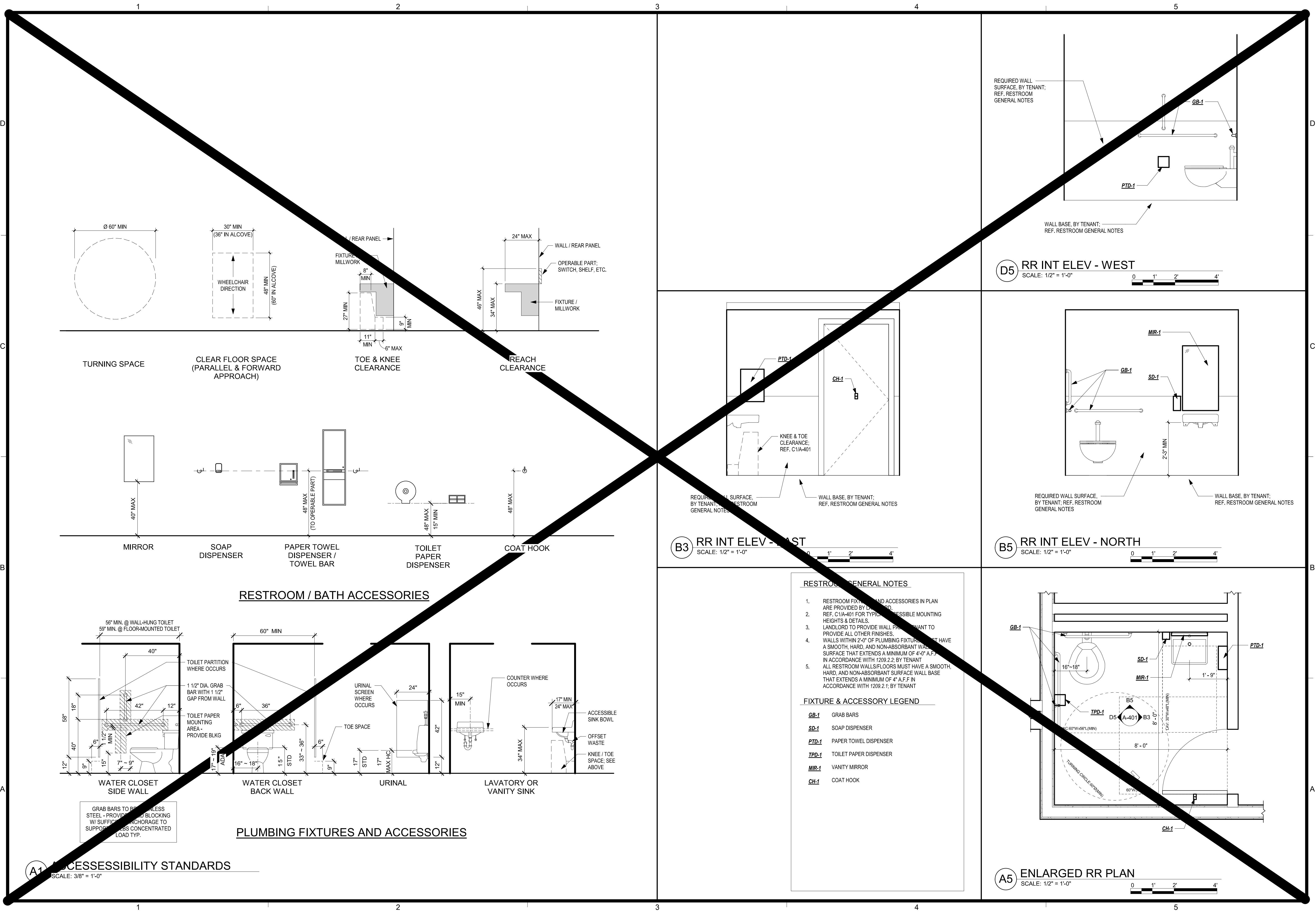
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SHEET TITLE
 WALL SECTIONS

PROJECT NUMBER
230117

SHEET NUMBER
A-304

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CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
 2070 NW LOWENSTEIN DR, LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES	
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5 ASI-4	11-07-2023

SHEET TITLE
 ENLARGED RESTROOM PLAN

PROJECT NUMBER
230117

SHEET NUMBER
A-401

GENERAL FLASHING REQUIREMENTS

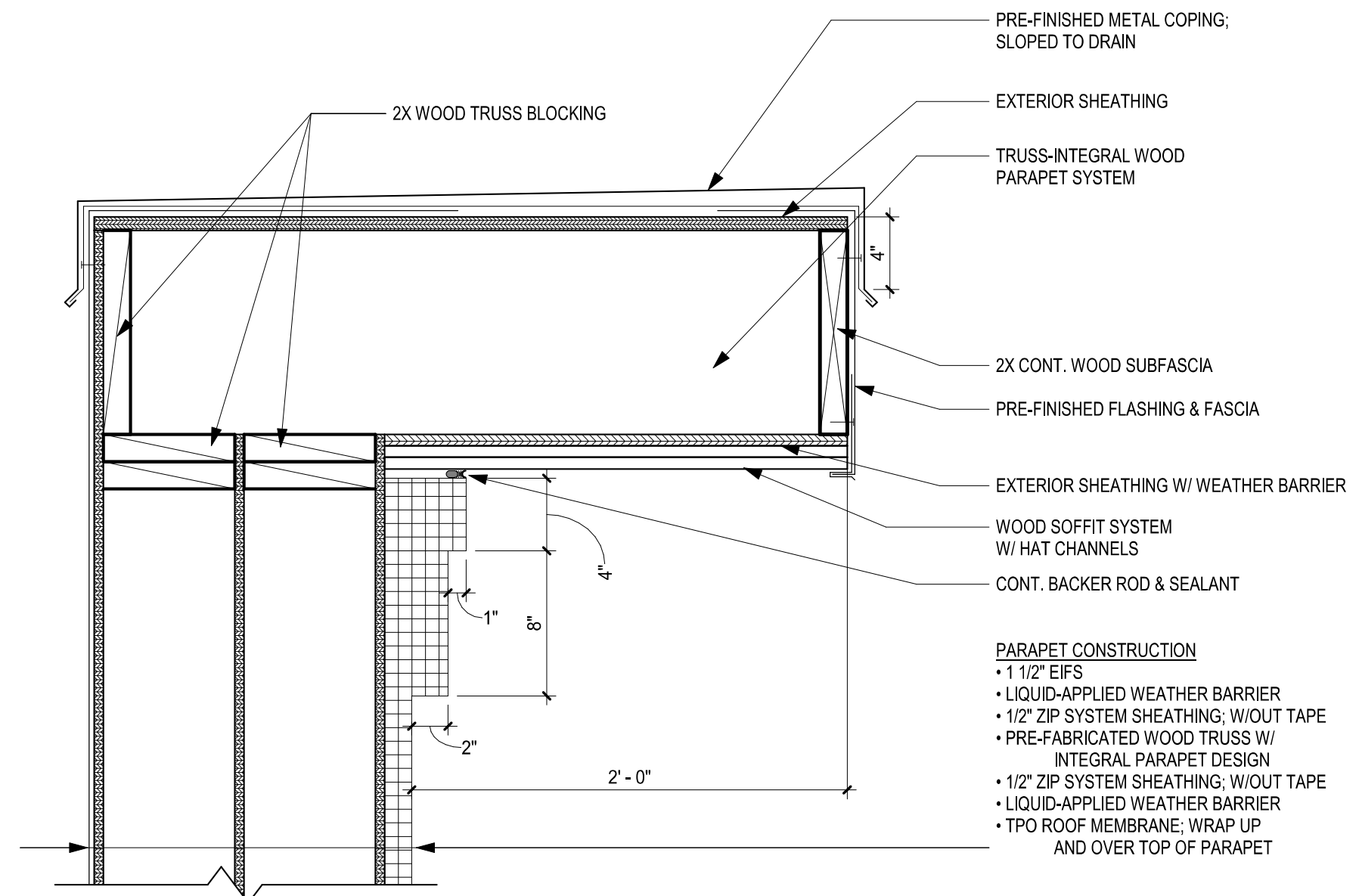
A. PROPERLY WEEP FLASHING POINTS AND NORMAL DRAINAGE POINTS WITH WEEPS @ 1'-4" O.C. MAX. SPACING. WEEP POINTS ARE TO BE LOCATED DIRECTLY ON TOP OF FLASHING.

B. WHERE FLASHING IS LOCATED TERMINATE AND/OR SEPARATES MATERIALS, DO NOT SEAL (U.N.O.) - REFER TO DIAGRAM "C" WHERE IT IS DETERMINED BY THE MATERIAL MANUFACTURER OR OTHERWISE THAT SEALING IS REQUIRED (TO PREVENT WATER PENETRATION BEYOND FLASHING DUE TO WIND DRIVEN RAIN). THEN SEALANT MUST BE WEEPED IN ACCORDANCE WITH NOTE "A" ABOVE.

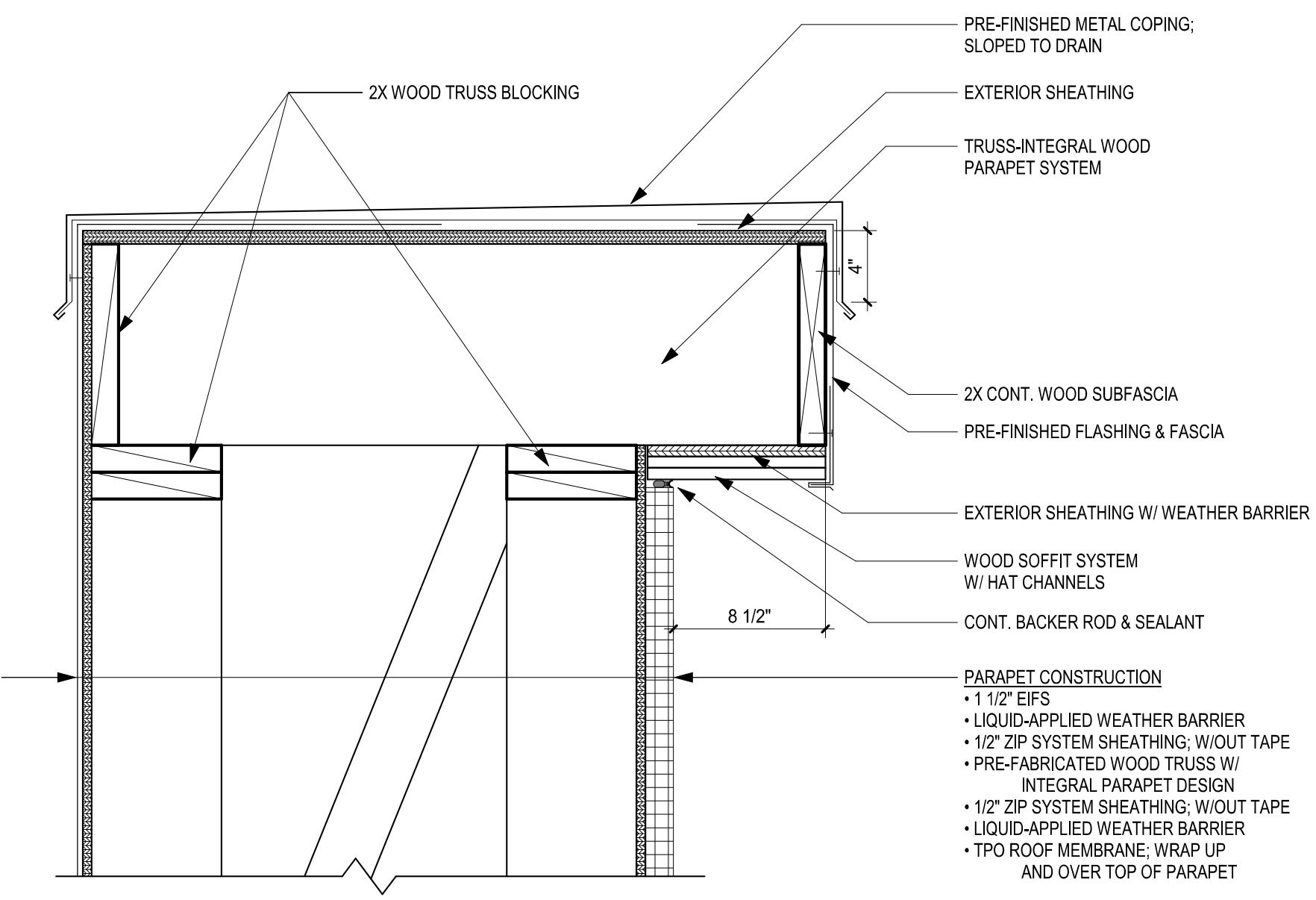
C. UNLESS NOTED OTHERWISE, TURN FLASHING UP A MIN. OF 4" BEHIND APPROPRIATE MATERIALS.

D. FLASHING CONDITIONS, WHETHER DETAILED OR NOT, ARE TO BE IN ACCORDANCE WITH S.M.A.C.M.A. SPECIFICATIONS. WHERE ATYPICAL CONDITIONS OCCUR THAT ARE NOT DETAILED, FLASHING IS TO BE INSTALLED AS CLOSELY AS POSSIBLE TO THE S.M.A.C.M.A. DETAIL THAT IS MOST CLOSELY APPROXIMATES THE ACTUAL CONDITION.

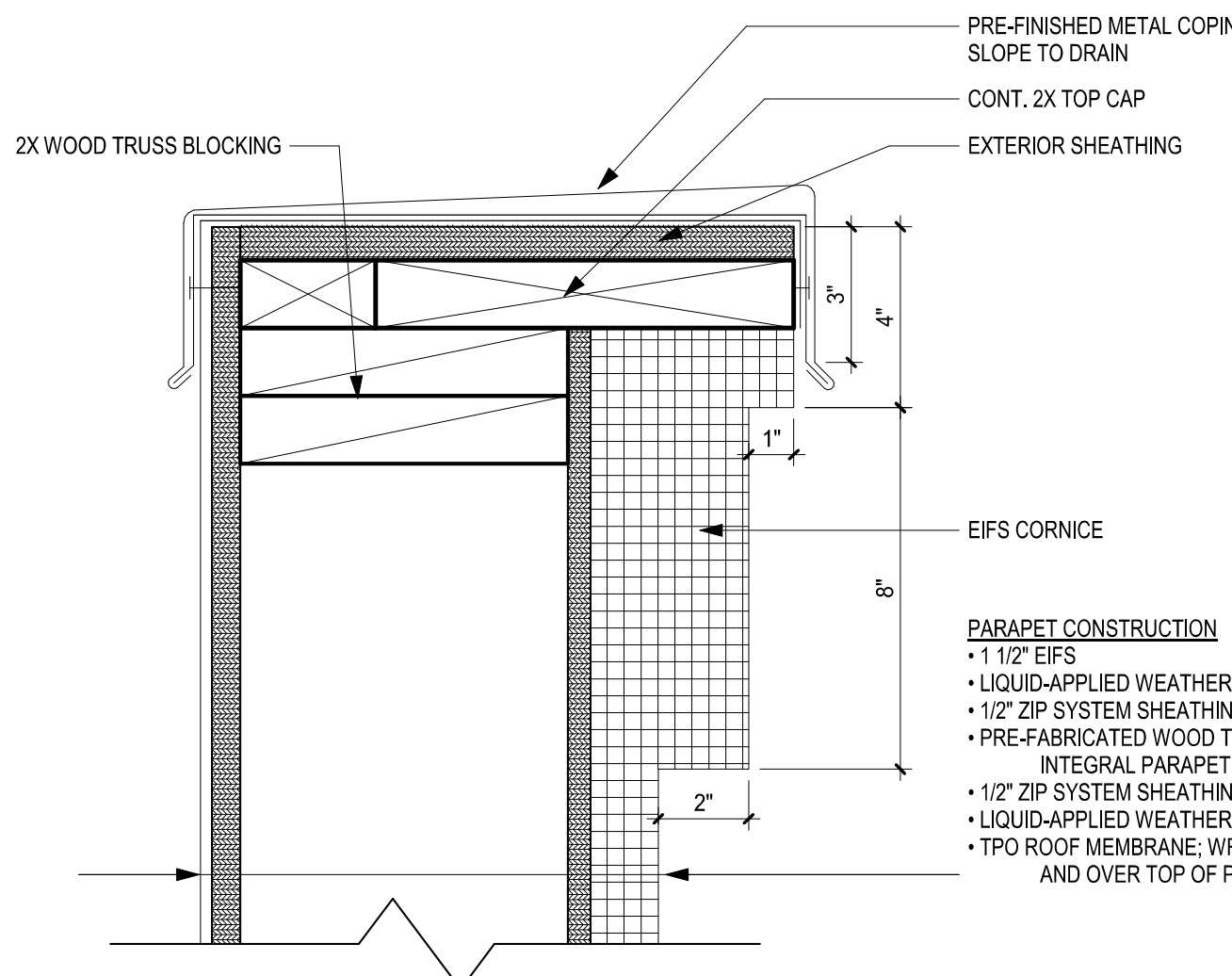
E. UNLESS NOTED OTHERWISE, AT FLASHING HIGH POINTS SEAL WATER TIGHT TO BACK-UP SUBSTRATE.



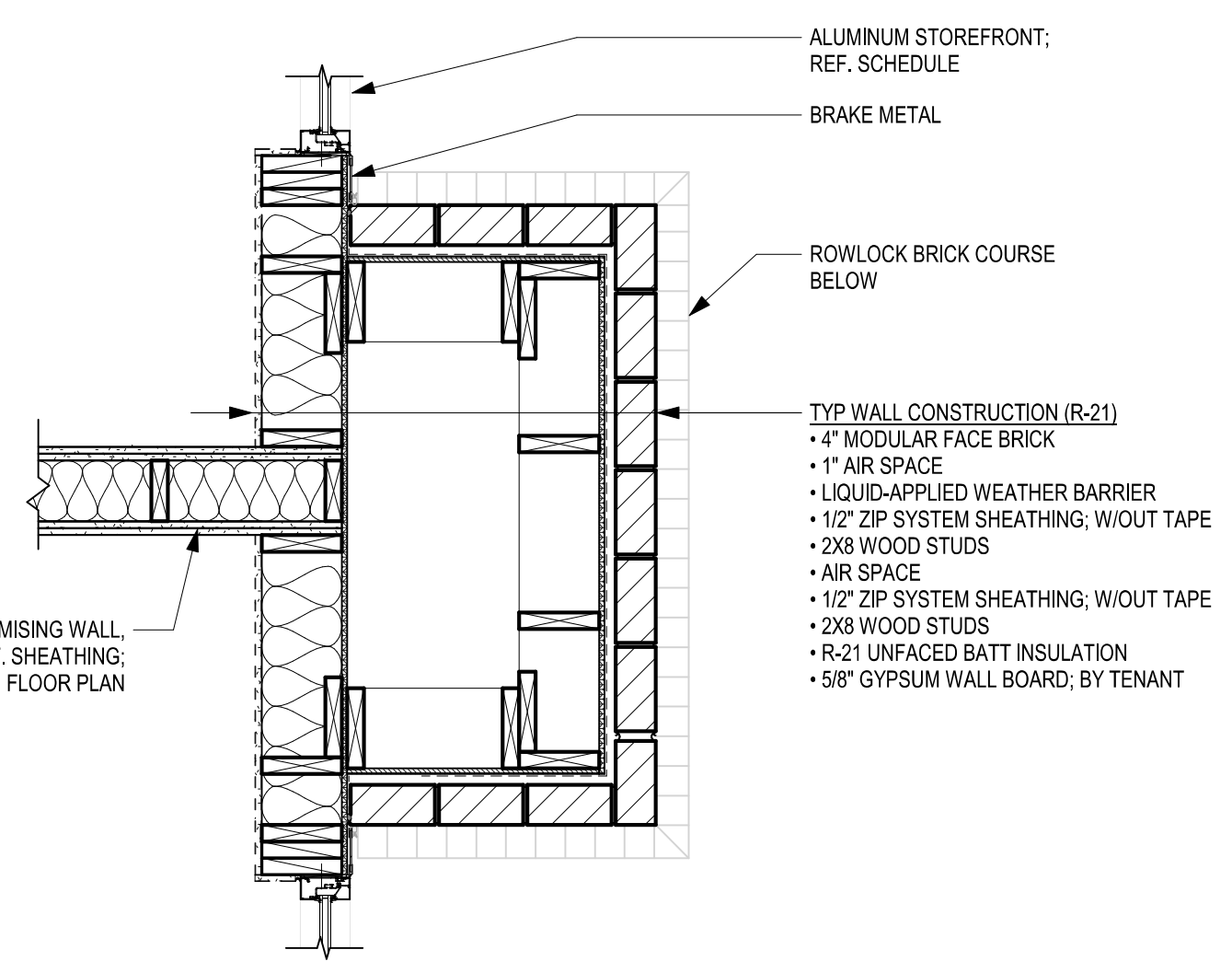
C1 PARAPET CAP AT WALL
SCALE: 1 1/2" = 1'-0"



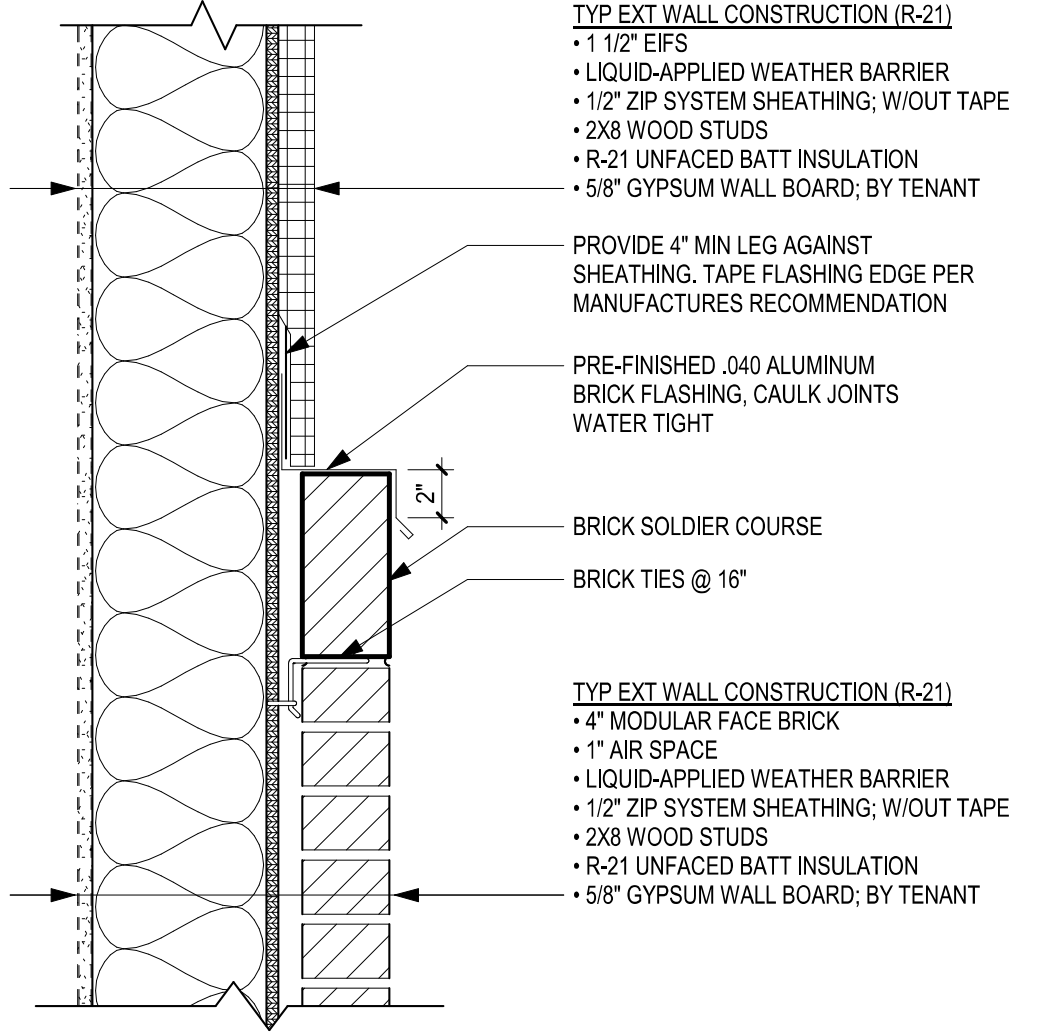
C3 PARAPET CAP AT PILASTER
SCALE: 1 1/2" = 1'-0"



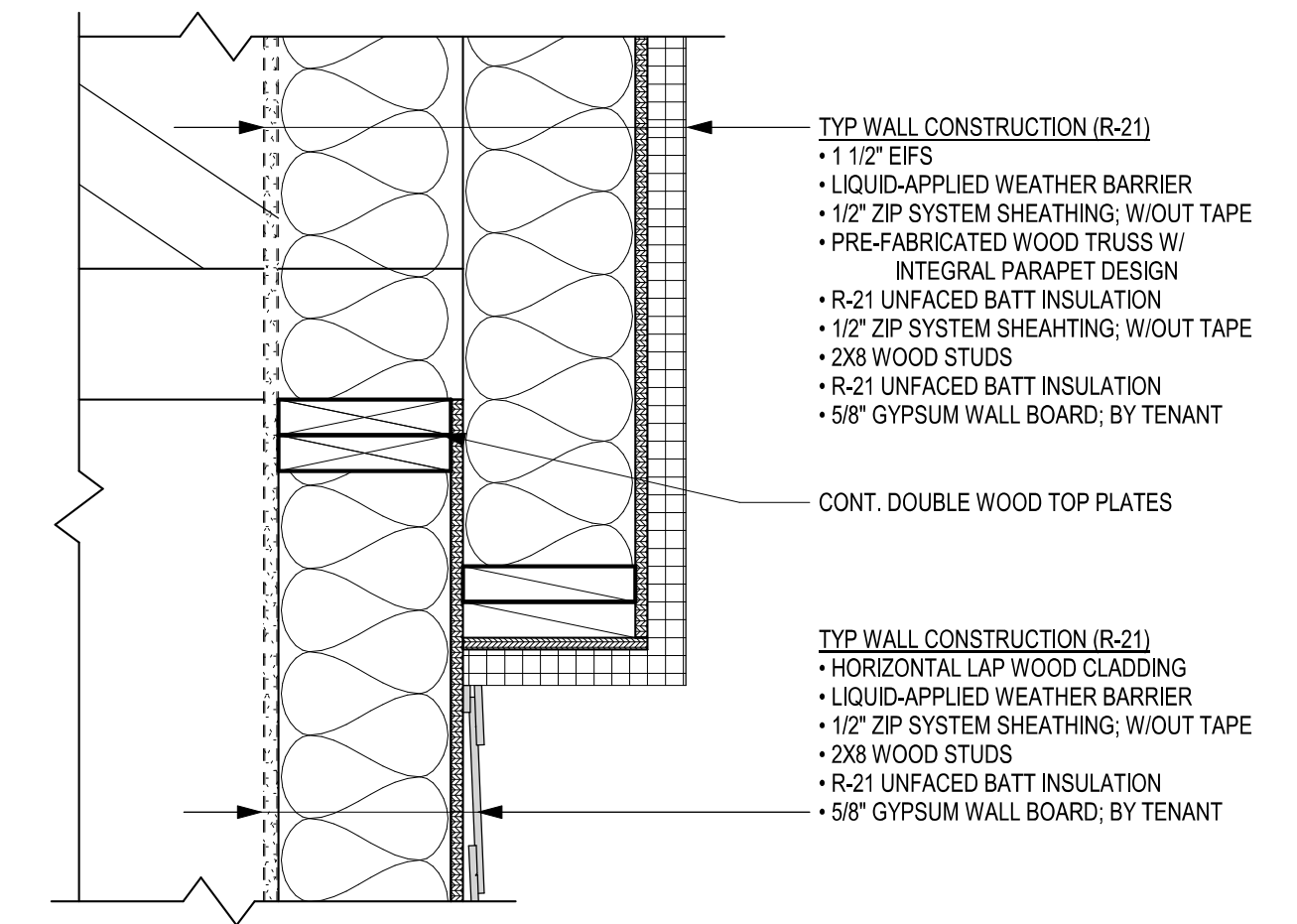
B1 PARAPET CAP
SCALE: 3" = 1'-0"



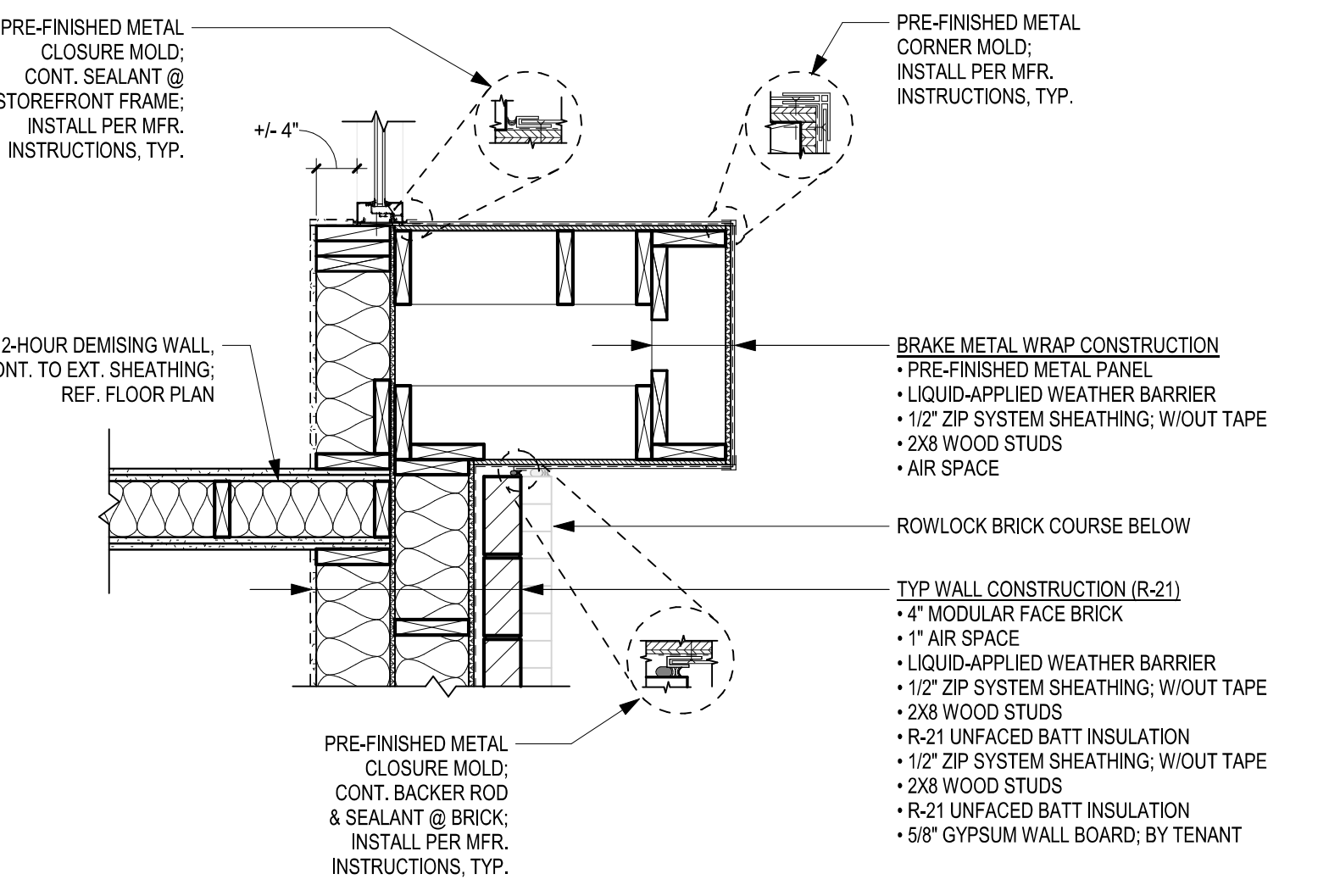
B2 PILASTER PLAN DETAIL
SCALE: 3/4" = 1'-0"



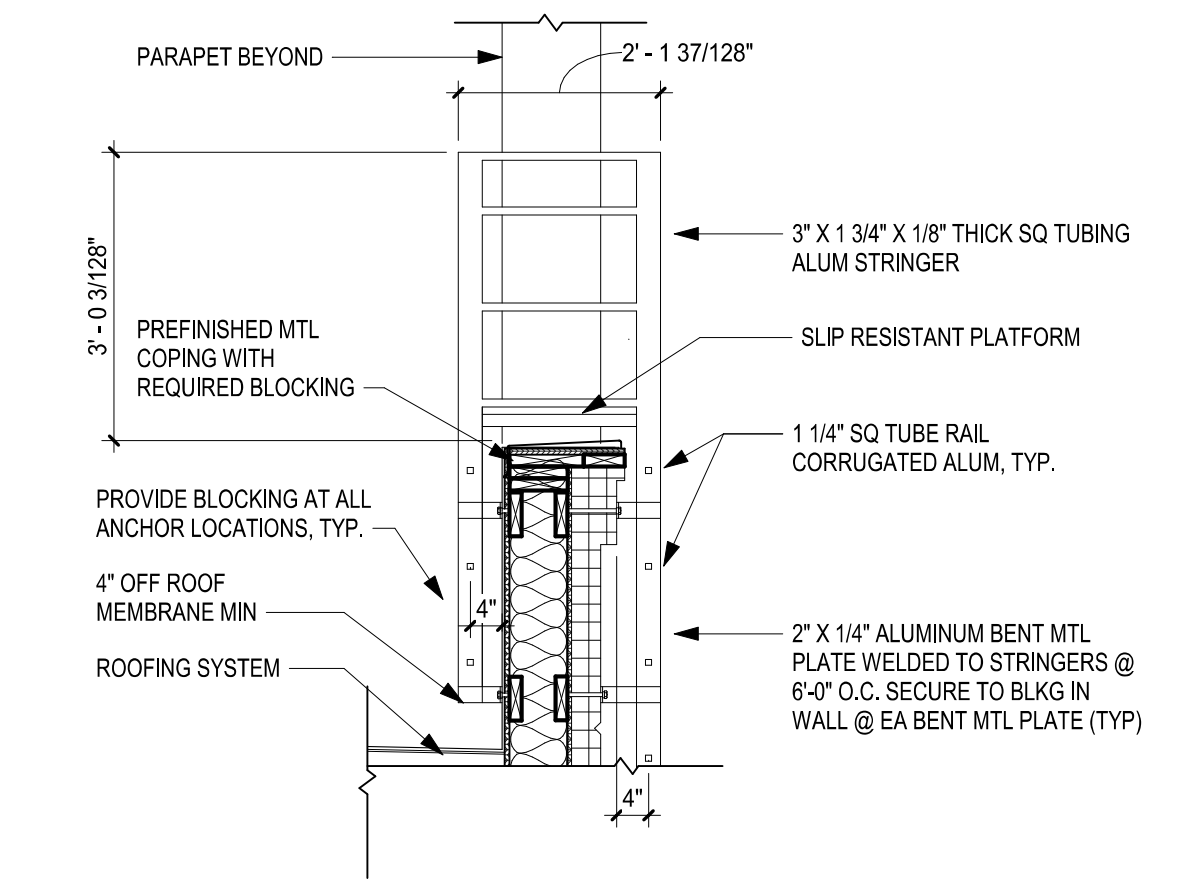
B3 EIFS / BRICK SECTION
SCALE: 1 1/2" = 1'-0"



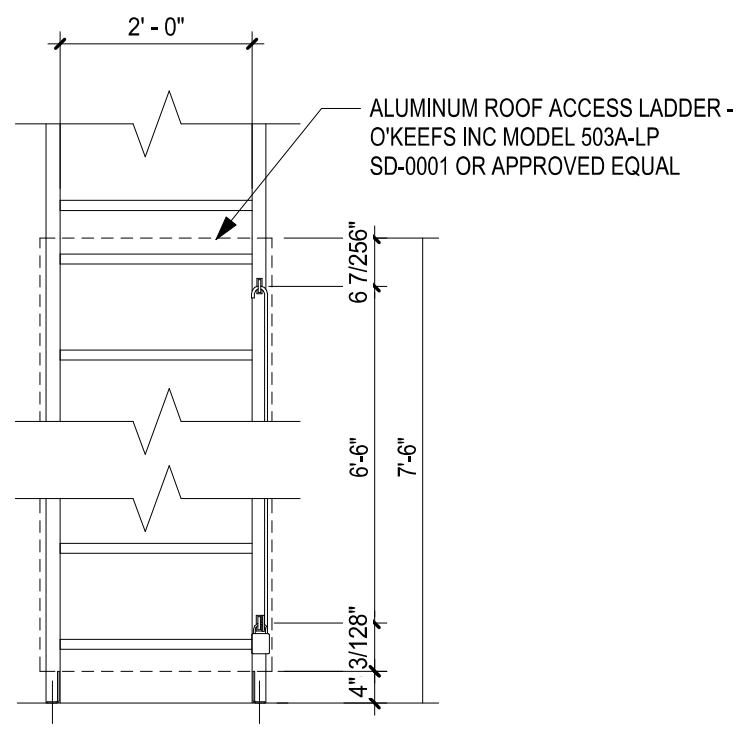
B4 DETAIL AT ENTRANCE SOFFIT
SCALE: 1 1/2" = 1'-0"



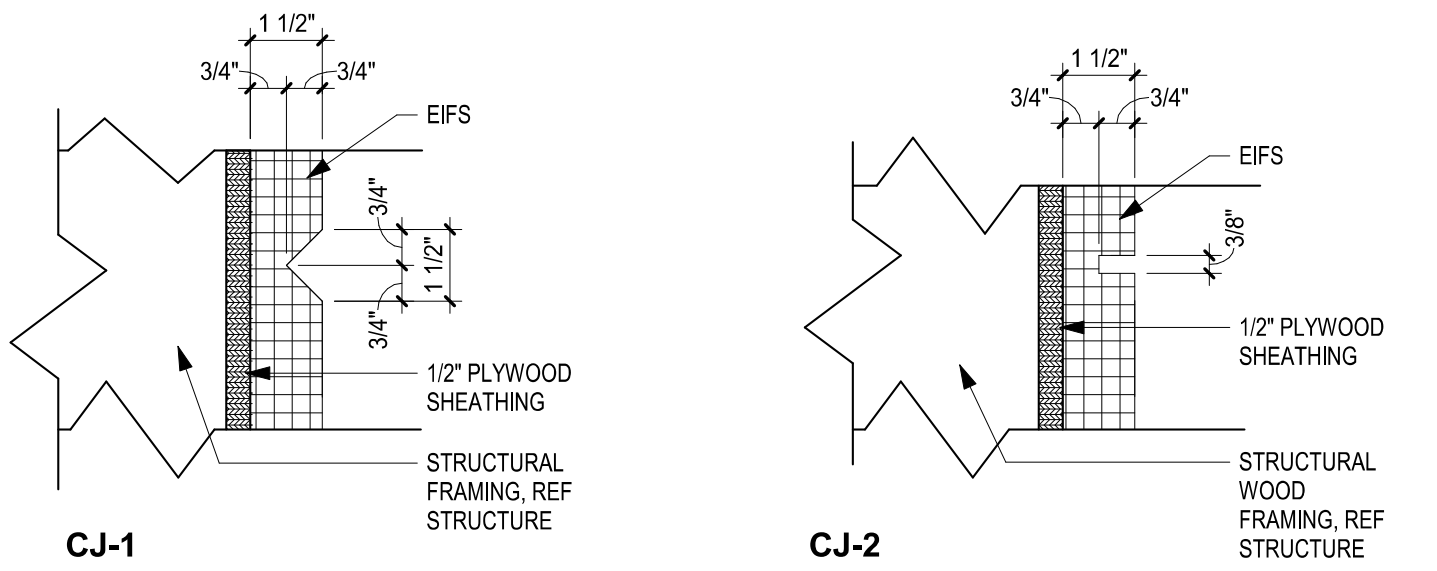
A1 PILASTER WALL PLAN DETAIL
SCALE: 3/4" = 1'-0"



A2 ROOF ACCESS LADDER
SCALE: 1/2" = 1'-0"



A4 EIFS REVEAL DETAILS
SCALE: 3" = 1'-0"



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CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

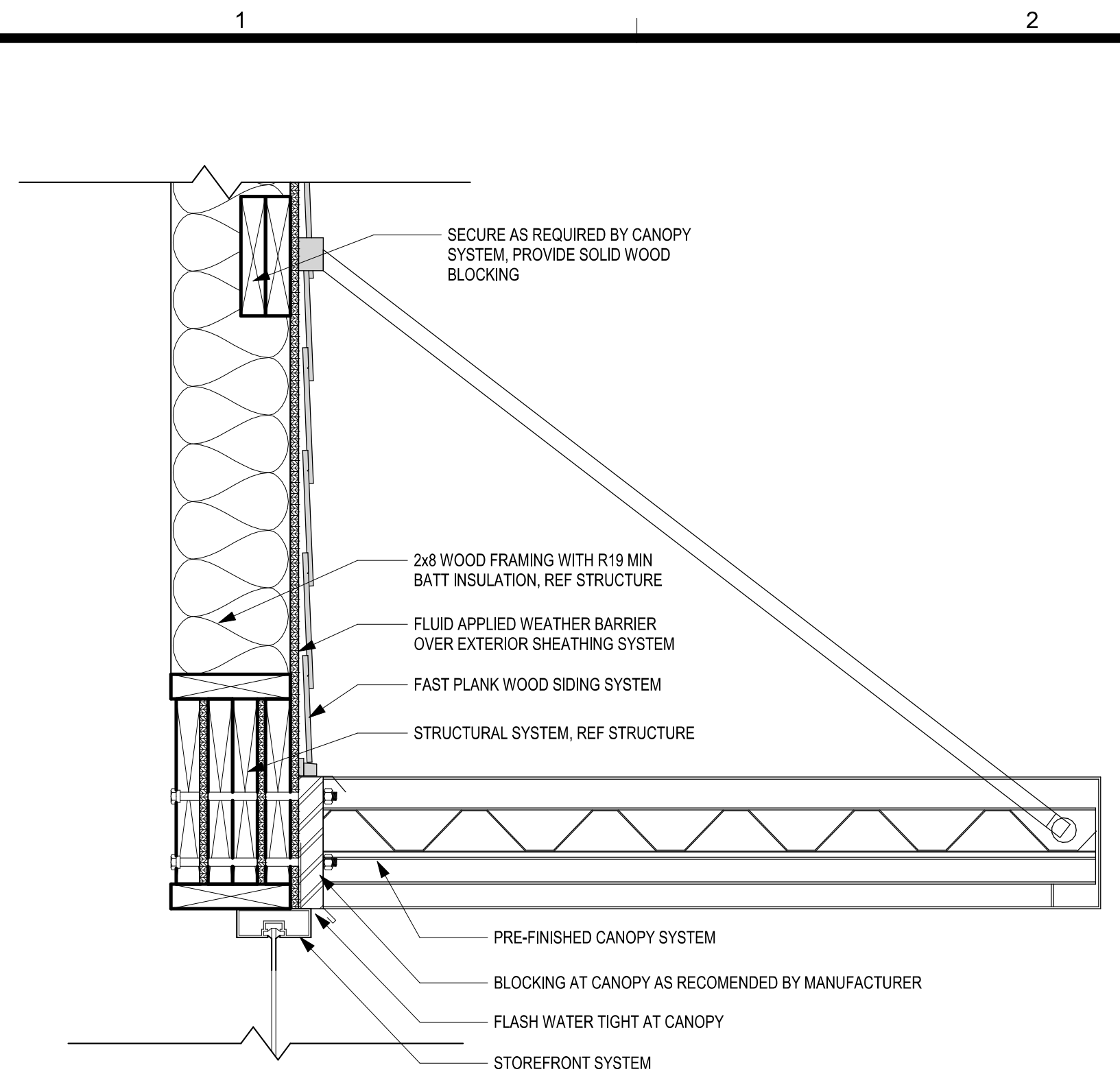
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SHEET TITLE
BUILDING DETAILS

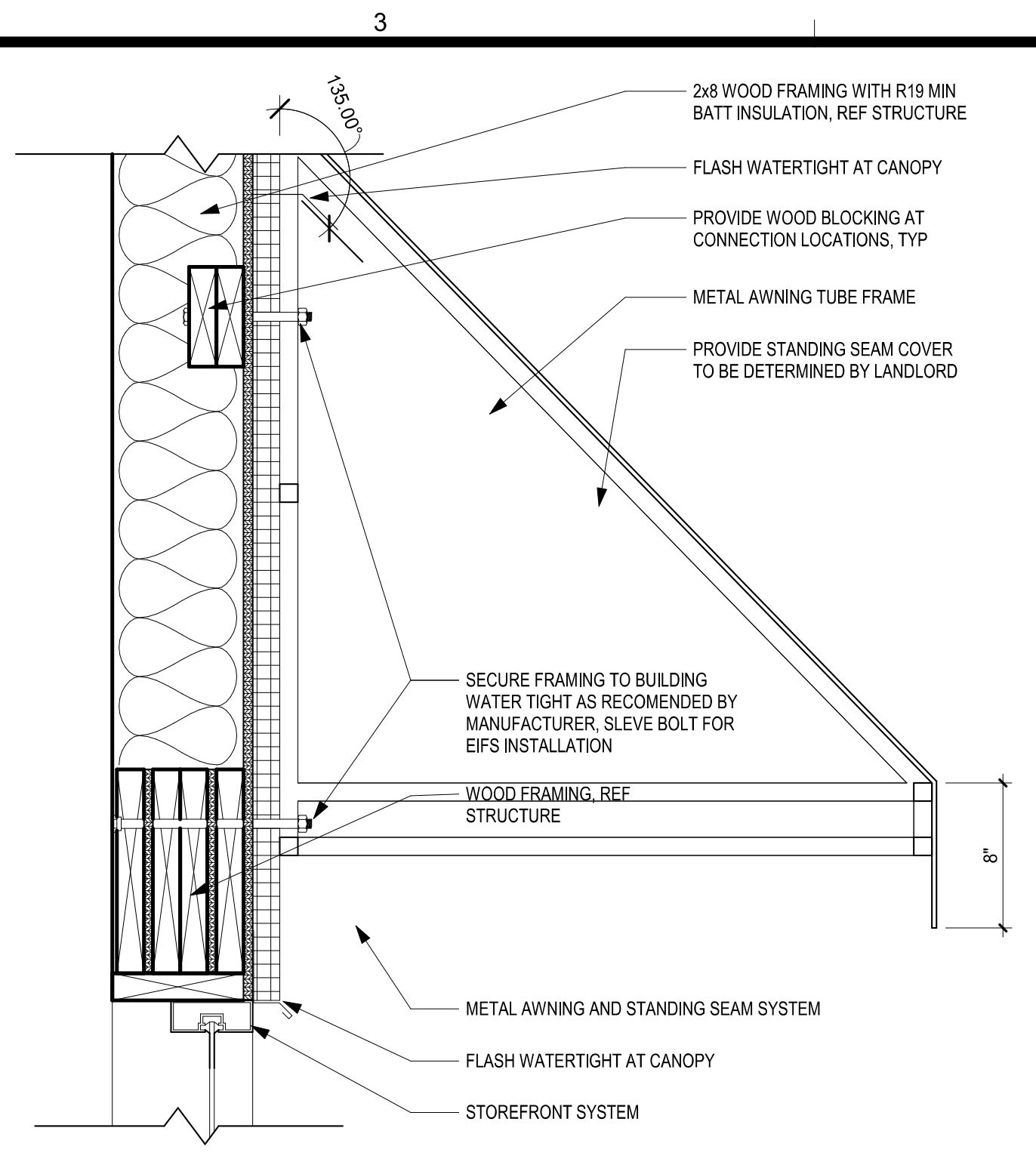
PROJECT NUMBER
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SHEET NUMBER
A-501

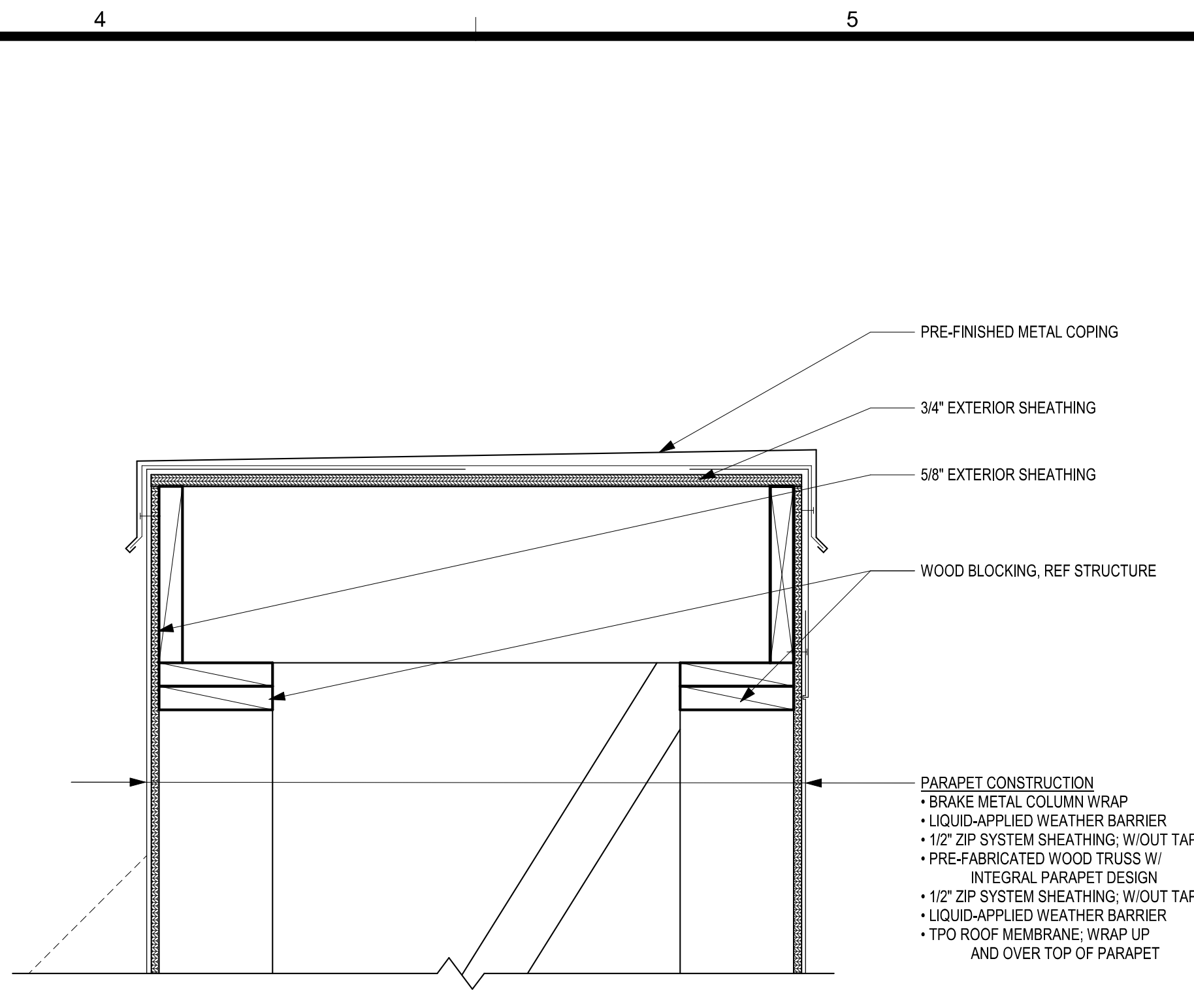
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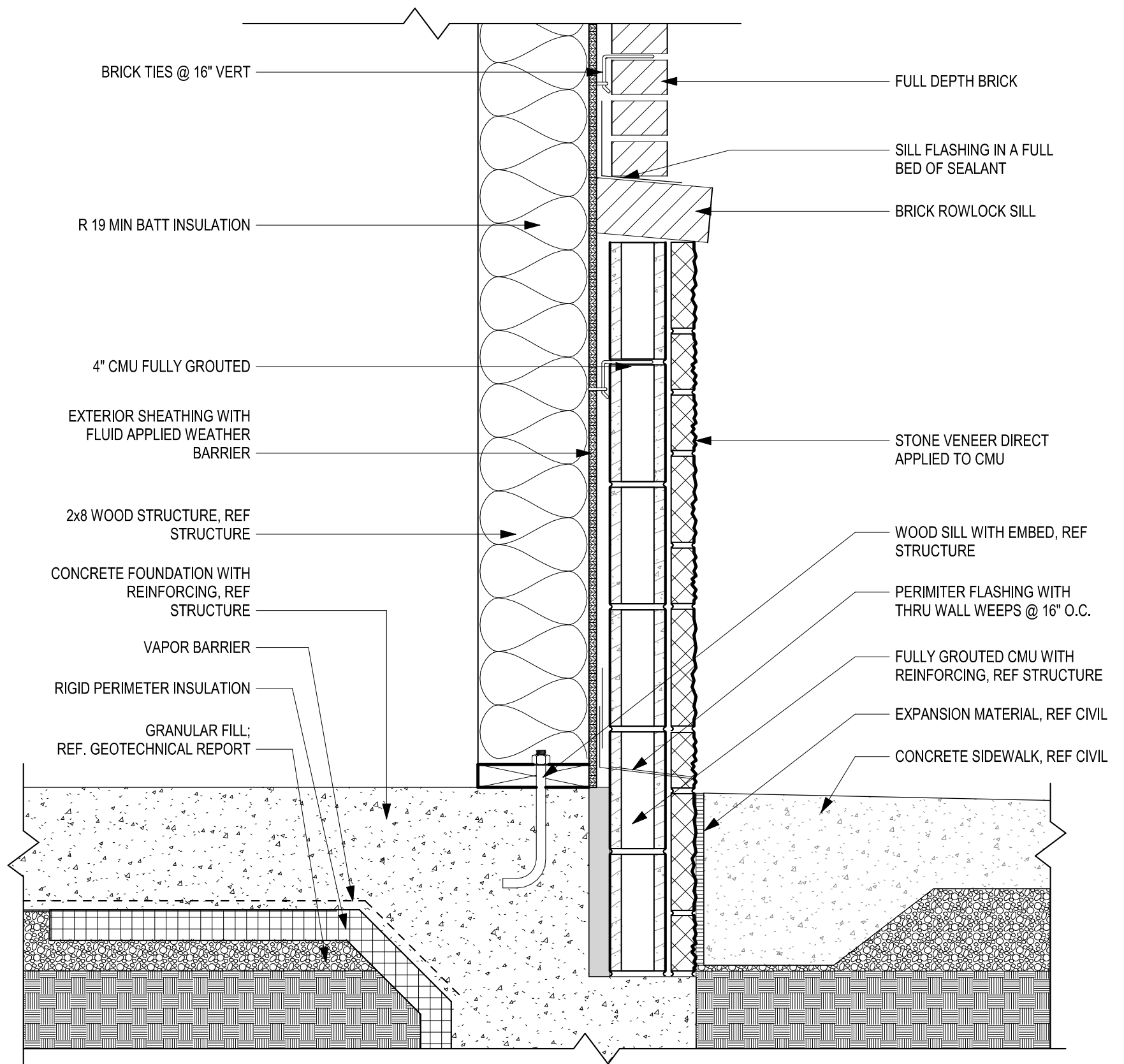
C1 CANOPY DETAIL
SCALE: 1 1/2" = 1'-0"



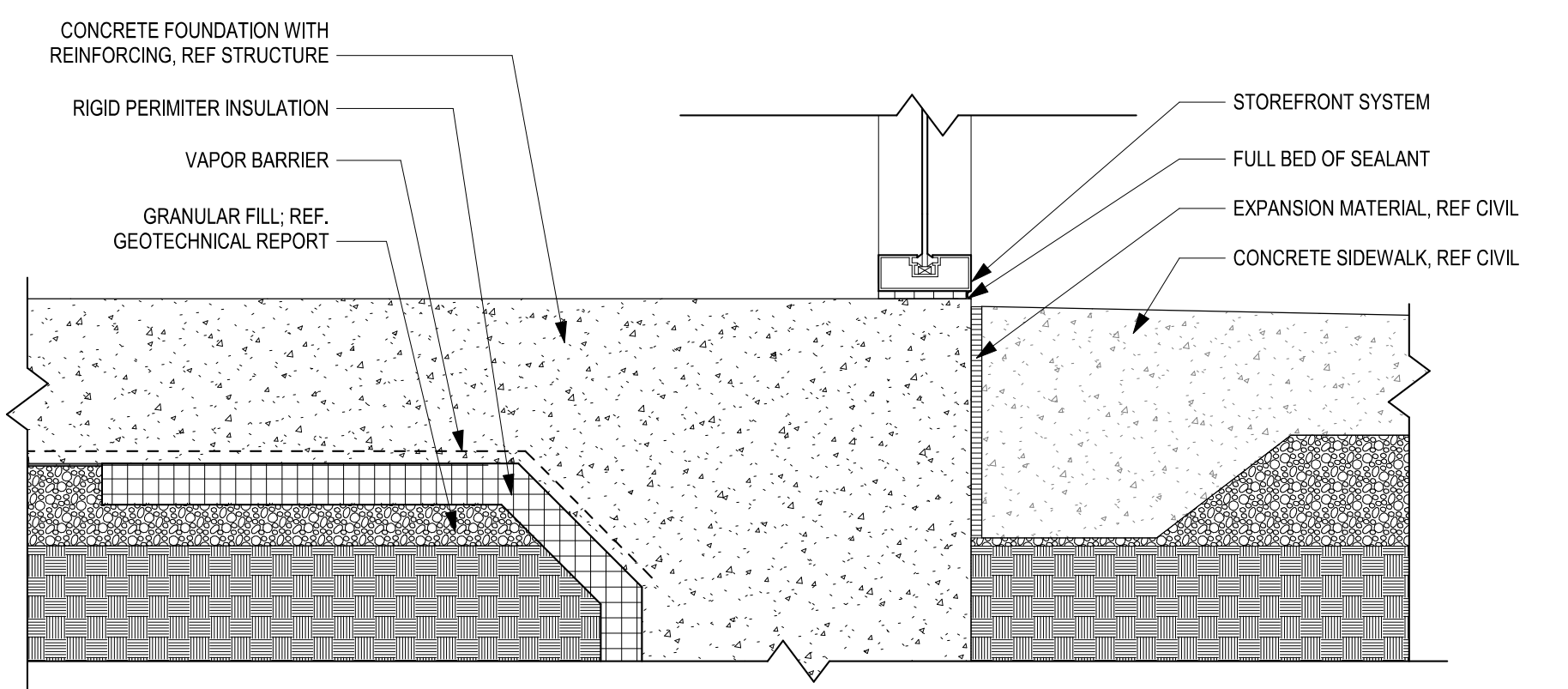
C3 AWNING DETAIL
SCALE: 1 1/2" = 1'-0"



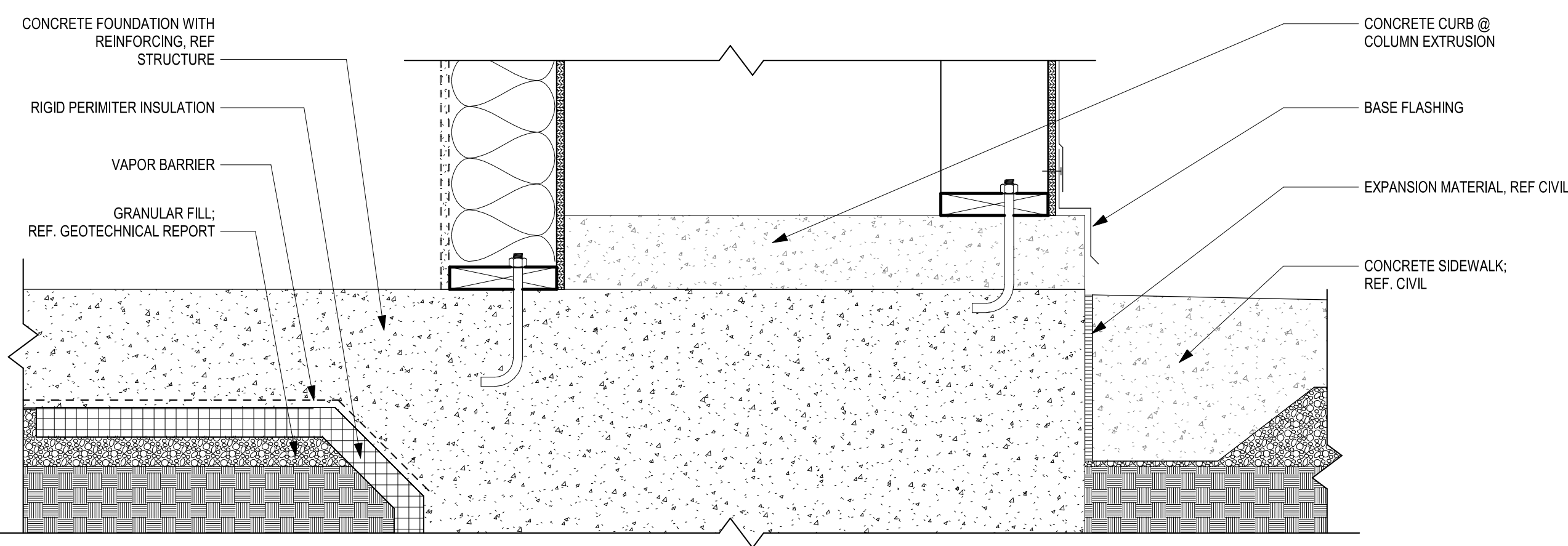
C4 PARAPET CAP AT EAST WALL PILASTER
SCALE: 1 1/2" = 1'-0"



A1 STONE WALL BASE DETAIL
SCALE: 1 1/2" = 1'-0"



B3 STOREFRONT WALL BASE DETAIL
SCALE: 1 1/2" = 1'-0"



A3 EAST WALL PILASTER BASE DETAIL
SCALE: 1 1/2" = 1'-0"

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CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
PROGRESS PRINT ONLY

SHEET TITLE
BUILDING DETAILS

PROJECT NUMBER
230117

SHEET NUMBER
A-502

FILE PATH: C:\Users\ross\OneDrive - Schwerdt Design Group\Documents\230117_SOWP Lot 5 Core - Shell_rjsZHKC2.rvt
DATE: 5/23/2023 4:19:16 PM
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1

2

3

4

5

DOOR LEGEND

- SG = SAFETY GLASS
- ALUM = ALUMINUM
- HM = HOLLOW METAL
- PT = PAINT
- T = TRANSPARENT FINISH
- F = FACTORY FINISH

DOOR SCHEDULE

DOOR #	SIZE		DOOR				FRAME				DETAIL		HARDWARE	NOTES
	W	HT	MATL	FINISH	GLAZ	EL	MATL	FINISH	GLAZ	EL	HEAD	JAMB		
A101	3'-0"	7'-0"	ALUM	F	T	2	ALUM	F	T	C	A2	B3	SET 01	
A102	3'-6"	7'-0"	HM	PT	---	1	HM	PT	---	A	A1	B1	SET 02	
B101	3'-0"	7'-0"	ALUM	F	T	2	ALUM	F	T	C	A2	B3	SET 01	
B102	3'-0"	7'-0"	HM	PT	---	1	HM	PT	---	A	A1	B1	SET 02	
C101	3'-0"	7'-0"	ALUM	F	T	2	ALUM	F	T	C	A2	B3	SET 01	
C102	3'-6"	7'-0"	HM	PT	---	1	HM	PT	---	A	A1	B1	SET 02	

DOOR HARDWARE SCHEDULE - SET 01 STOREFRONT

QTY.	DESCRIPTION	MODEL	FINISH	MFG.
3 PR.	HINGES	BB1191 4 1/2" x 4 1/2" NRP	US10B	HAGER
1 EA.	EXIT DEVICE	1692	DC13	FALCON
1 EA.	EXIT DEVICE	1690	DC13	FALCON
2 EA.	66" LADDER PULL	66LPBS	US26/626	CRL
2 EA.	CLOSER	SC70-18	DC13	FALCON
2 EA.	STOP	100S	DC13	FALCON
1 EA.	THRESHOLD	350	DKB	NGP
2 EA.	DOOR SWEEP	200NA	DKB	NGP
1 EA.	PERIMETER SEAL	160S	DKB	NGP
1 EA.	ASTRAGAL	672	DKB	NGP

DOOR HARDWARE SCHEDULE - SET 02 SERVICE DOOR

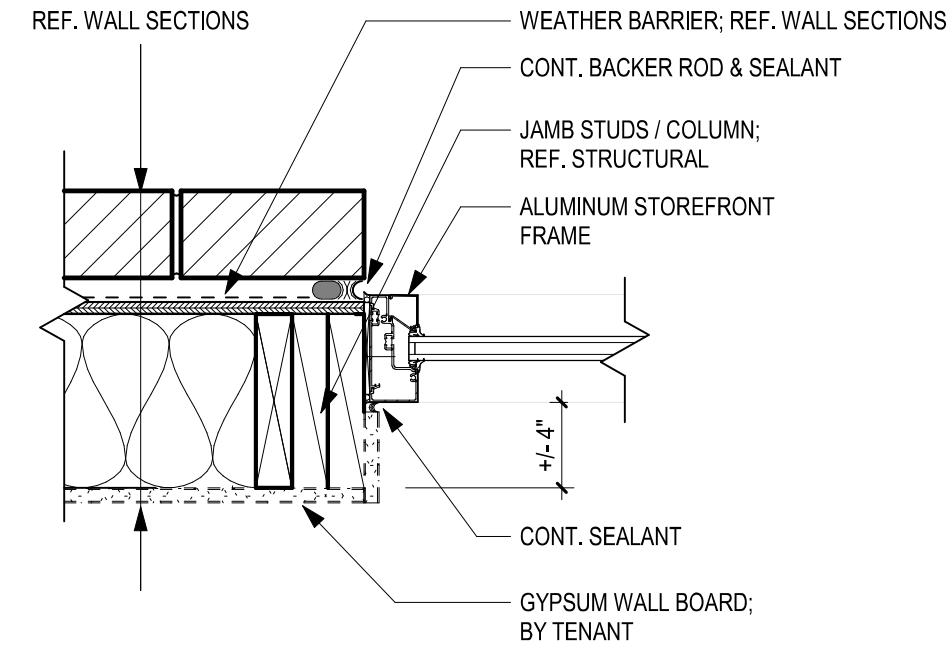
QTY.	DESCRIPTION	MODEL	FINISH	MFG.
1 EA.	ROTON HINGE SURFACE MOUNT	70-210HD-84	ALUM	ROTON
1 EA.	EXIT DEVICE RIM SURFACE MOUNT	4501-48-26D	26D/626	HAGER
1 EA.	CLOSER 5100 HOLD OPEN STOP	5100-HDHOS-ALUM	ALUM	HAGER
1 EA.	ARMOR PLATE 20"x40" S.S.	190S-20X40-32D	32D	HAGER
1 EA.	WEATHER STRIPPING NEOPRENE	873S-N-4284-MLL	ML	HAGER
1 EA.	DOOR BOTTOM SWEEP NEOPRENE	750SN-42-CLR	CL	HAGER
1 EA.	NGP STEEL SECURITY ASTRAGAL 83"	1392SP-USP-83	PRIME COAT	NGP
1 EA.	HALF SADDLE THRESHOLD 5"x12"x42"	431S-42-MIL	MIL	HAGER
1 EA.	OVERHEAD RAIN DRIP GUARD	810S-46-MIL	AL	HAGER
1 EA.	WIDE ANGLE PEEP HOLE SET @ 45" AFF			

DOOR HARDWARE SCHEDULE - SET 03 STOREFRONT

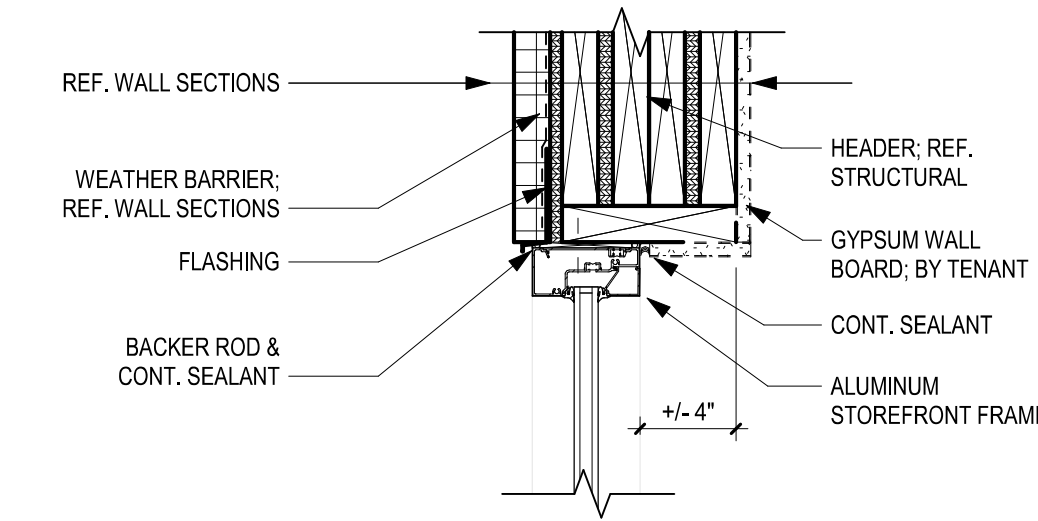
QTY.	DESCRIPTION	MODEL	FINISH	MFG.
3 PR.	HINGES	BB1191 4 1/2" x 4 1/2" NRP	US10B	HAGER
1 EA.	EXIT DEVICE	1692	DC13	FALCON
1 EA.	66" LADDER PULL	66LPBS	US26/626	CRL
1 EA.	CLOSER	SC70-18	DC13	FALCON
1 EA.	STOP	100S	DC13	FALCON
1 EA.	THRESHOLD	350	DKB	NGP
1 EA.	DOOR SWEEP	200NA	DKB	NGP
1 EA.	PERIMETER SEAL	160S	DKB	NGP

DOOR HARDWARE SCHEDULE

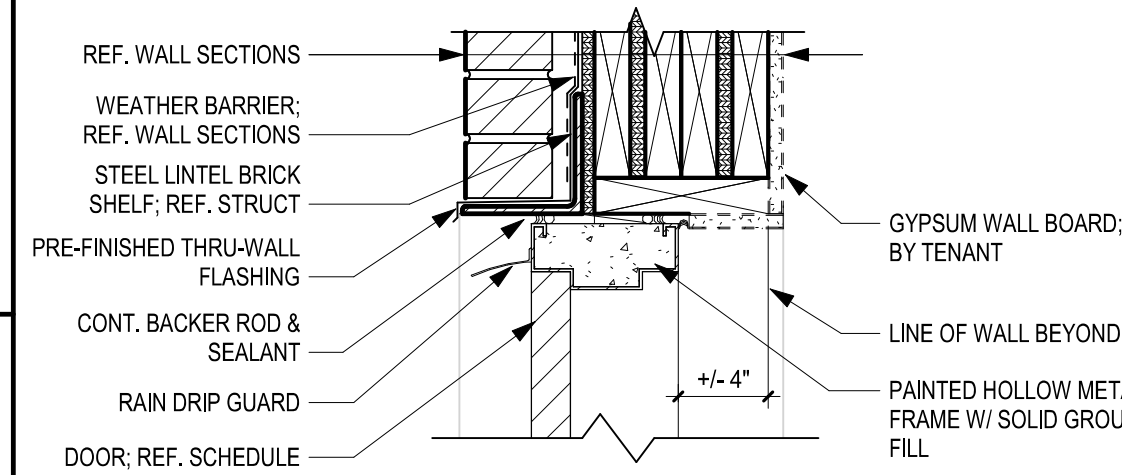
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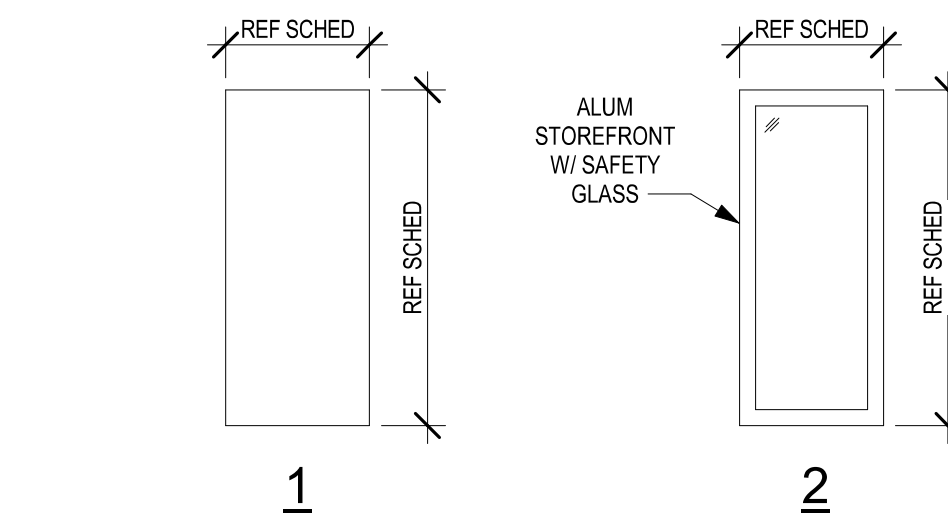
C3 STOREFRONT TYP JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



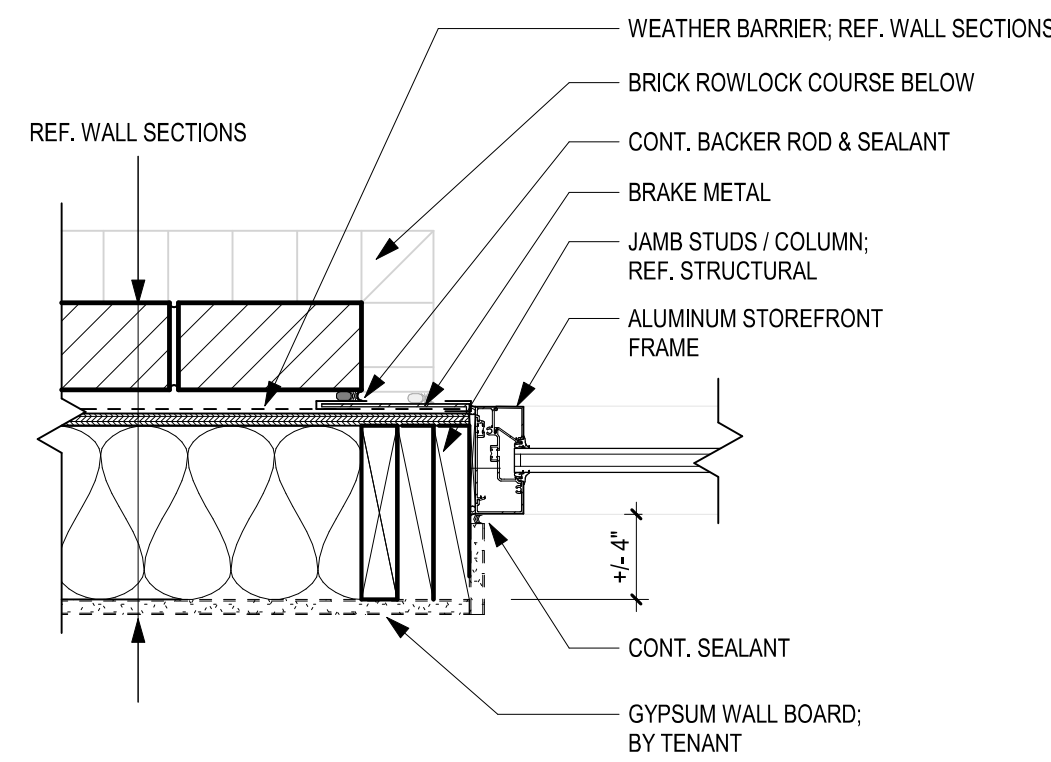
D4 STOREFRONT HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



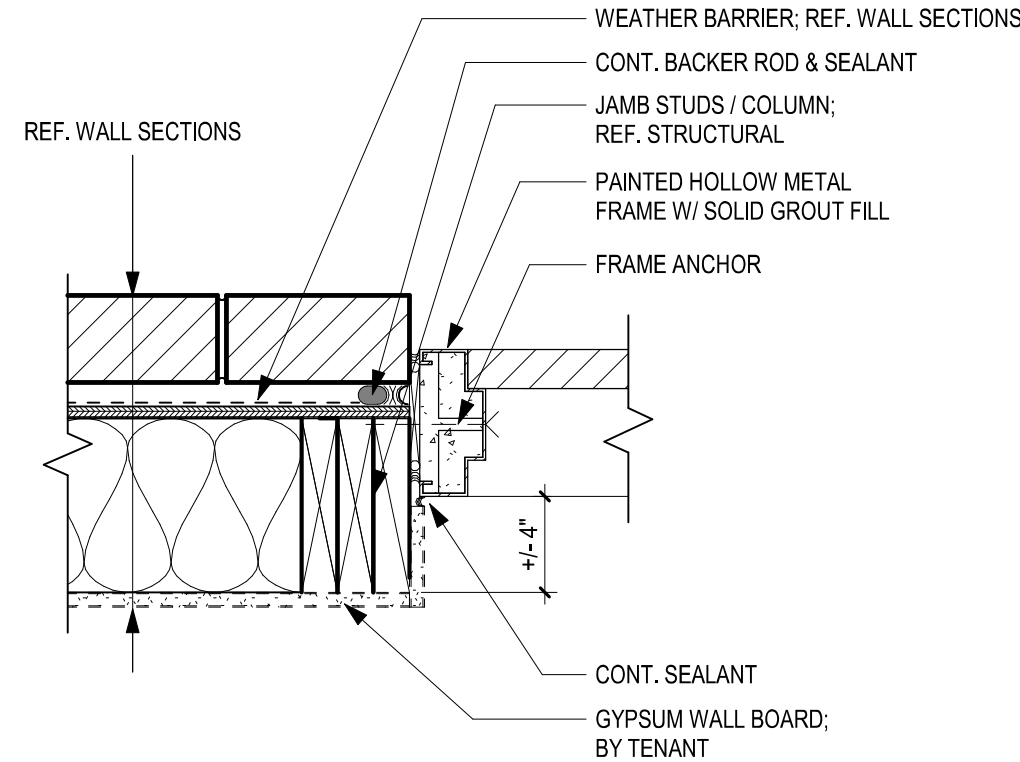
C4 HM HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



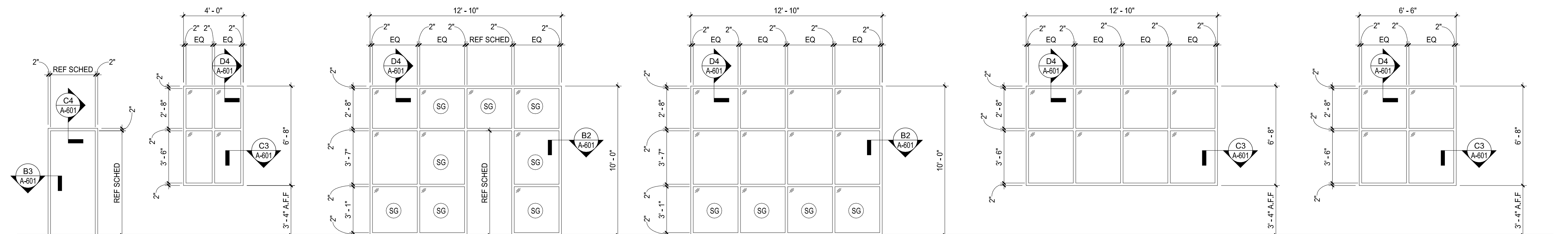
B4 DOOR ELEVATIONS
SCALE: 1/4" = 1'-0"



B2 STOREFRONT JAMB DETAIL @ BRAKE METAL
SCALE: 1 1/2" = 1'-0"



B3 HM JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



A1 FRAME ELEVATIONS
SCALE: 1/4" = 1'-0"



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CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
 2070 NW LOWENSTEIN DR, LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
 PROGRESS PRINT ONLY
 3 ASI-2 07-07-2023

SHEET TITLE
 DOOR / FRAME SCHEDULE
 & DETAILS

PROJECT NUMBER
230117

SHEET NUMBER
A-601

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STRUCTURAL GENERAL NOTES

GENERAL NOTES:

ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE OTHER PROJECT DRAWINGS AND SPECIFICATIONS. THE MATERIAL REQUIREMENTS IN THESE NOTES ARE TO BE CONSIDERED AS MINIMUM. SPECIFICATIONS SHALL GOVERN WHEN MORE STRINGENT.

VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE RESOLVED BEFORE PROCEEDING WITH CONSTRUCTION. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND MAKE NECESSARY INVESTIGATIONS AND FIELD MEASUREMENTS. INFORM ENGINEER OF ALL DISCREPANCIES.

THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATIONS OF PENETRATIONS AND EMBEDDED ITEMS THROUGH THE STRUCTURE FOR ALL TRADES. PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER.

SEE MECHANICAL, ELECTRICAL, ARCHITECTURAL DRAWINGS FOR ANCHORS, PIPE SLEEVES, CONDUITS OR OTHER ITEMS TO BE EMBEDDED IN OR PASS THROUGH CONCRETE. IN GENERAL, EMBEDMENTS AND PENETRATIONS LESS THAN 12 INCHES IN DIAMETER ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS.

SEE ARCHITECTURAL DRAWINGS FOR DOOR HEIGHTS AND WALL OPENING DIMENSIONS.

STRUCTURAL ELEMENTS ARE NON-SELF SUPPORTING AND REQUIRE INTERACTION WITH OTHER ELEMENTS FOR STABILITY. FRAMING AND WALLS SHALL BE TEMPORARILY BRACED BY THE CONTRACTOR UNTIL PERMANENT BRACING, FLOOR AND ROOF DECKS AND WALLS HAVE BEEN INSTALLED AND CONNECTIONS BETWEEN THESE ELEMENTS HAVE BEEN MADE.

SUPPORT OF ALL NON-STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NON-STRUCTURAL ELEMENTS ARE THOSE THAT DO NOT CONTRIBUTE TO THE DIRECT LOAD PATH OF BOTH THE GRAVITY AND LATERAL FORCE RESISTING SYSTEMS. THESE ELEMENTS INCLUDE, BUT ARE NOT LIMITED TO PARTITIONS, FINISHES, MILLWORK, MECHANICAL EQUIPMENT, DUCTWORK, PIPING, LIGHT FIXTURES, ELECTRICAL CONDUIT, STORAGE RACKS, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THESE ELEMENTS ARE ADEQUATELY CONNECTED TO THE STRUCTURE TO RESIST ALL APPLIED LOADS. NOTIFY THE STRUCTURAL ENGINEER OF RECORD IF UNUSUAL SUPPORT CONDITIONS EXIST.

WORK REQUIRING SPECIAL INSPECTIONS SHALL BE INSPECTED ACCORDING TO THE BUILDING CODE AND INCLUDES: CONCRETE, REINFORCING STEEL, STRUCTURAL WELDING, HIGH-STRENGTH BOLTING, AND MASONRY. RE: SPECIAL INSPECTION PROGRAM TABLE WHEN APPLICABLE.

DESIGN CRITERIA:

BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE AS ADOPTED AND AMENDED BY THE CITY OF LEE'S SUMMIT, MISSOURI.

RISK CATEGORY: II

LIVE LOADS:
ROOF: 20 PSF

SNOW LOADS:
GROUND SNOW LOAD, Pg: 20 PSF
FLAT-ROOF SNOW LOAD, Pf: 20 PSF
SNOW EXPOSURE FACTOR, Ce: 1.0
SNOW LOAD IMPORTANCE FACTOR, Is: 1.0
THERMAL FACTOR, Ct: 1.0

WIND LOAD:
BASIC WIND SPEED: 115 MPH
EXPOSURE CATEGORY: C
BASIC INTERNAL PRESSURE COEFFICIENT, Gcpi: ±0.18
BASIC COMPONENTS AND CLADDING PRESSURE (ADJUSTED TO COMPLY WITH BUILDING CODE):
±20 PSF @ INTERIOR ZONES
±25 PSF @ END ZONES

SEISMIC LOAD:
SEISMIC IMPORTANCE FACTOR, Ie: 1.0
SPECTRAL RESPONSE ACCELERATIONS:
Ss: 0.1274
S1: 0.0612
SPECTRAL RESPONSE COEFFICIENTS:
Sds: 0.102
sd1: 0.069
SITE CLASS: C
SEISMIC DESIGN CATEGORY: B
BASIC SEISMIC-FORCE-RESISTING SYSTEM: LIGHT-FRAMED WALLS WITH WOOD STRUCTURAL PANELS & STEEL ORDINARY MOMENT FRAMES
DESIGN BASE SHEAR: Cs x W
SEISMIC RESPONSE COEFFICIENTS, Cs: 0.0157 & 0.0291
RESPONSE MODIFICATION FACTOR, R: 6.5 & 3.5
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

FOUNDATION AND EARTHWORK NOTES:

REFER TO THE GEOTECHNICAL EXPLORATION AND FOUNDATION RECOMMENDATIONS: WEST PRYOR VILLAGE, LEE'S SUMMIT, MISSOURI / COOK, FLATT, & STROBEL ENGINEERS PA, KANSAS CITY, KANSAS (CFS NO 19-5125) / JUNE 15, 2018

THE FOUNDATION BEARING MATERIAL SHALL BE INSPECTED AND APPROVED BY A GEOTECHNICAL ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED.

AT STEPPED FOOTINGS, THE LOWER FOOTING SHALL BE PLACED FIRST.

FOUNDATIONS HAVE BEEN DESIGNED FOR A NET ALLOWABLE SOIL BEARING PRESSURE OF 2,500 PSF FOR CONTINUOUS FOOTINGS AND 3,000 PSF FOR ISOLATED SPREAD FOOTINGS. FOUNDATIONS SHALL BEAR DIRECTLY ON A 24-INCH THICK, GEOGRID REINFORCED AGGREGATE PAD (GRAP) DESIGNED AND CONSTRUCTED AS OUTLINED IN THE GEOTECHNICAL REPORT, SECTION 7.2.

WALL FOUNDATION SHALL BEAR AT MINIMUM OF 3'-0" BELOW ADJACENT FINISH GRADE, UNLESS OTHERWISE NOTED.

UNUSUAL CONDITIONS OR CHANGES TO THE FOUNDATIONS AS REQUIRED BY FIELD CONDITIONS SHALL BE REFERRED TO THE ENGINEER FOR APPROVAL.

REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREP REQUIREMENTS FOR SLAB-ON-GRADE CONSTRUCTION. PREPARED SUBGRADES EXCAVATED TO INSTALL UTILITIES BELOW FLOOR SLABS SHALL BE BACKFILLED AND COMPACTED AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.

REFER TO GEOTECHNICAL REPORT FOR COMPACTION REQUIREMENTS.

MAINTAIN ALL EXCAVATIONS FREE OF WATER.

CONCRETE NOTES:

CONCRETE SHALL HAVE THE FOLLOWING UNLESS OTHERWISE SPECIFIED (SELECT PROPORTIONS FOR CONCRETE IN ACCORDANCE WITH ACI 318):

	MAX WATER/CEMENT RATIO	MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS
INTERIOR SLAB ON GRADE	0.45	3,000 PSI
FOOTINGS	0.45	4,500 PSI
FOUNDATION WALLS	0.45	4,500 PSI
GRADE BEAMS	0.45	4,500 PSI
DRILLED PIERS	0.50	4,000 PSI
CONCRETE ON STEEL DECK	0.45	3,000 PSI

REINFORCING STEEL SHALL BE BILLET STEEL CONFORMING TO ASTM A615, GRADE 60.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.

AGGREGATES SHALL CONFORM TO ASTM C33. COARSE AGGREGATE SHALL CONSIST OF 1" MAXIMUM AGGREGATE SIZE. COMBINED GRADATION SHALL HAVE A UNIFORM DISTRIBUTION AS FOLLOWS:
5-20% RETAINED ON 3/4", 1/2", 3/8", NO. 4, NO. 8, NO. 16, NO. 30 AND NO. 50 SIEVES; LESS THAN 5% PASSING NO. 50 SIEVE.

MATERIALS AND ADMIXTURES SHALL NOT CONTAIN CALCIUM CHLORIDE.

ALL EXTERIOR AND CONCRETE EXPOSED TO FREEZE/THAW CYCLES SHALL BE AIR-ENTRAINED 6% (±) BY VOLUME. THIS INCLUDES BUT IS NOT LIMITED TO FOOTINGS, FOUNDATION WALLS AND GRADE BEAMS.

SLEEVES, OPENINGS, OR OTHER ATTACHMENTS NOT SHOWN ON DRAWINGS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACING CONCRETE.

MINIMUM TENSION LAP SPLICE LENGTHS AND TENSION DEVELOPMENT LENGTHS SHALL BE AS SCHEDULED, UNLESS NOTED OTHERWISE ON THE DRAWINGS. WELDED WIRE FABRIC SHALL LAP ONE (1) FULL SQUARE PLUS TWO (2) INCHES.

MAINTAIN CONCRETE COVER AS SCHEDULED.

REINFORCING STEEL FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CRSI MANUAL OF STANDARD PRACTICE.

ALL REINFORCING AND EMBEDDED ANCHOR BOLTS SHALL BE ACCURATELY PLACED AND TIED PRIOR TO POURING CONCRETE. "STABBING" OF DOWELS OR ANCHOR BOLTS IS NOT ALLOWED.

CONSTRUCTION JOINTS IN WALLS AND ELEVATED FORMED SLABS SHALL BE KEYED (1 1/2" DEEP BY 1/3 MEMBER AREA) AND REINFORCING SHALL CONTINUE THROUGH JOINT OR BE TENSION LAP SPLICED. CONSTRUCTION JOINTS SHALL BE LOCATED BY THE CONTRACTOR TO LEAST IMPAIR THE STRUCTURE. JOINT LOCATIONS SHALL BE APPROVED BY THE ENGINEER.

EMBEDDED CONDUIT SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN 1/3 THE OVERALL THICKNESS OF SLAB, WALL OR BEAM IN WHICH THEY ARE EMBEDDED. THEY SHALL NOT BE SPACED CLOSER THAN 3 DIAMETERS OR WIDTHS ON CENTER.

CONDUIT LOCATED WITH CONCRETE SECTIONS SHALL COMPLY WITH ACI 318 REQUIREMENTS.

INTERIOR FLOOR SLABS SHALL COMPLY WITH ACI 117, SHALL MEET THE REQUIREMENTS OF A TYPE 5, SINGLE COURSE, HARD STEEL-TROWELED FINISH AS DESCRIBED IN ACI 302, AND SHALL ACHIEVE AN OVERALL FF25/FL20 TOLERANCE.

ADHESIVE ANCHORS IN CONCRETE OR FULLY GROUTED MASONRY SHALL BE ITW RAMSET/REDHEAD EPCON CERAMIC 6 SYSTEM, HILTI HY200, OR SIMPSON AT-XP. ADHESIVE ANCHORS FOR HOLLOW BLOCK AND OTHER MASONRY SHALL BE HILTI HY270 OR SIMPSON SET-XP.

STRUCTURAL STEEL ENCASED WITHIN CONCRETE SHALL COMPLY WITH AISC TOLERANCES.

MASONRY NOTES:

CONSTRUCT MASONRY IN ACCORDANCE WITH THE IBC. MASONRY REQUIRES LEVEL 1 QUALITY ASSURANCE (RE: SPECS). ALL MASONRY SHALL BE LAID IN RUNNING (COMMON) BOND USING THE LOW-LIFT METHOD OF GROUTING. REFER ARCHITECTURAL PLAN FOR ALL BLOCK COURSING.

MASONRY DESIGN IS BASED ON A MINIMUM COMPRESSIVE STRENGTH (F'm) OF ASSEMBLY OF 1,500 PSI.

MASONRY UNITS SHALL MEET THE REQUIREMENTS OF ASTM C-90, GRADE N, WITH A NET AREA COMPRESSIVE STRENGTH OF 1,900 PSI.

MORTAR SHALL BE PREPARED IN ACCORDANCE WITH ASTM C-270. PROVIDE TYPE M MORTAR AT ALL MASONRY BELOW GRADE AND TYPE S AT ALL OTHER MASONRY.

GROUT SHALL BE PREPARED IN ACCORDANCE WITH ASTM C-476, WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS.

REINFORCING STEEL SHALL BE BILLET STEEL CONFORMING TO ASTM A615, GRADE 60.

LAP SPLICE BAR REINFORCEMENT FOR MASONRY PER LAP SCHEDULE AND JOINT REINFORCEMENT A MINIMUM OF 6 INCHES.

CONCRETE MASONRY UNITS BELOW GRADE SHALL BE SOLID GROUTED.

CELLS WITH REINFORCING SHALL BE SOLID GROUTED AND VIBRATED.

STRUCTURAL STEEL NOTES:

STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:

WIDE FLANGE SHAPES (W, WT): ASTM A992 (Fy=50 KSI)
OTHER ROLLED SHAPES (M, S, HP, C, L): ASTM A36 (Fy=36 KSI)
STEEL PIPE: ASTM A53, GRADE B (Fy=35 KSI)
SQUARE AND RECTANGULAR TUBE: ASTM A500, GRADE B (Fy=46 KSI)
ANCHOR BOLTS: ASTM F1554, GRADE 36
HEADED ANCHOR STUDS: ASTM A108, GRADES 1010 TO 1020
PLATES AND BARS: ASTM A36 (Fy=36 KSI)

SHEAR CONNECTORS AND HEADED WELDED STUDS OF TYPE AND SIZE NOTED SHALL BE TYPE B.

STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH GOOD STANDARD PRACTICE AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

PROPER FIT IN THE FIELD OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH GOOD STANDARD PRACTICE AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

THE FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN AND PERFORMANCE OF ALL CONNECTIONS NOT FULLY DESIGNED OR DETAILED ON THE CONTRACT DOCUMENTS.

ANCHOR BOLTS SHALL BE ASTM F1554, A36 UNO. ANCHOR BOLTS SHALL BE SET WITH TEMPLATES WITH THE APPROPRIATE BOLT PROJECTION, 4" MINIMUM UNO. PROVIDE DOUBLE NUTS AND DOUBLE WASHERS FOR STEEL COLUMN ANCHOR BOLTS TO ALLOW FOR ADJUSTMENT IN BASE PLATE ELEVATION.

NON-SHRINK GROUT UNDER BASE PLATES SHALL BE NON-METALLIC WITH A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS.

HIGH STRENGTH BOLTED CONNECTIONS SHALL CONFORM TO THE AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING A325 BOLTS. UNLESS OTHERWISE NOTED, HIGH STRENGTH BOLTS MAY BE TIGHTENED BY ANY METHOD THEREIN. REGARDLESS OF THE METHOD USED IN TIGHTENING, A HARDENED WASHER SHALL BE USED UNDER THE TURNED ELEMENT. UNLESS OTHERWISE NOTED, BOLTED CONNECTIONS SHALL BE MADE WITH 3/4"Ø, ASTM A325 HIGH STRENGTH BOLTS.

CONNECTIONS REQUIRING FULL PRETENSIONING ARE SLIP-CRITICAL, AND INCLUDE BOLTED COLUMN SPLICES AND CONNECTIONS SUBJECT TO DIRECT TENSION.

ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STRUCTURAL WELDING CODE, AWS D1.1. UNLESS NOTED OTHERWISE, MINIMUM WELD SIZE SHALL BE PER AISC 360, BUT SHALL BE NO LESS THAN 3/16" FILLET.

FIELD WELDING SHALL NOT BE STARTED UNTIL JOINT ELEMENTS ARE BOLTED IN INTIMATE CONTACT AND/OR ADJUSTED TO DIMENSIONS INDICATED WITH ALLOWANCE FOR EXPECTED WELD SHRINKAGE. MAINTAIN PLUMBNESS AND TRUENESS OF THE STRUCTURE.

FIELD WELDS FOR STRUCTURAL STEEL SHALL BE MADE WITH LOW HYDROGEN ELECTRODES. WELD FILLER METAL SHALL HAVE A MINIMUM TENSILE STRENGTH OF 70 KSI.

WOOD NOTES:

GENERAL STRUCTURAL WOOD FRAMING SHALL MEET THE MINIMUM STRESS REQUIREMENTS FOR DOUGLAS-FIR #2 AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY.

ROOF SHEATHING SHALL BE 5/8" (19/32" MIN) PLYWOOD WITH A SPAN RATING OF AT LEAST 32/16. PANELS SHALL BE NAILED WITH 10d NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. 1/8" GAP BETWEEN INDIVIDUAL SHEETS. PLYWOOD SHALL BE APA RATED C-D EXTERIOR AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY.

ALL WOOD-TO-WOOD CONNECTIONS SHALL MEET THE MINIMUM NAILING REQUIREMENTS OF THE BUILDING CODE.

PROVIDE SIMPSON CONNECTION HARDWARE AS SHOWN ON THE DRAWINGS. SUBSTITUTIONS MUST BE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO USE. INSTALL CONNECTION HARDWARE ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

WALL SHEATHING SHALL BE 1/2" OSB ON THE EXTERIOR FACE OF ALL EXTERIOR WALLS. PANELS SHALL BE NAILED WITH 10d GALVANIZED NAILS AT 4" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. ALL PANEL EDGES SHALL BE BLOCKED.

INSTALL ALL ROOF PLYWOOD SHEATHING WITH THE LONG DIMENSION OF THE PANEL PERPENDICULAR TO THE SUPPORTS WITH A MINIMUM OF TWO SPANS FOR EACH PANEL. STAGGER ALL END JOINTS. PROVIDE 1/8" SPACE AT PANEL JOINTS FOR EXPANSION PER APA.

PREFABRICATED WOOD TRUSS NOTES:

SPECIAL INSPECTIONS OF THE FABRICATION PROCESS OF PRE-FABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH THE IBC.

TRUSSES SHALL BE CONFIGURED TO FOLLOW FINAL ROOF LINES, UNLESS NOTED OTHERWISE.

TRUSSES SHALL BE DESIGNED FOR ALL LOAD COMBINATIONS REQUIRED BY THE BUILDING CODE. IN NO CASE SHALL THE DEAD LOAD BE LESS THAN 15 PSF ON THE TOP CHORD AND 10 PSF ON THE BOTTOM CHORD.

TRUSS MANUFACTURER SHALL SUPPLY ALL TRUSS CONNECTIONS USING PREFABRICATED STEEL CONNECTORS AS REQUIRED.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY AND PERMANENT BRACING IN ADDITION TO ANY BRACING INDICATED ON THE PLANS.

ALL TEMPORARY AND PERMANENT BRACING FOR INDIVIDUAL TRUSS MEMBERS SHALL BE DESIGNED BY AND STAMPED BY A PROFESSIONAL ENGINEER PROVIDED BY CONTRACTOR AND/OR TRUSS MANUFACTURER. APPLIED ROOF SHEATHING AND OTHER ROOFING MATERIALS SHALL NOT BE ASSUMED TO PROVIDE SUFFICIENT BRACING FOR TRUSS CHORDS.

SHOP FABRICATED WOOD TRUSSES SHALL MEET DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED WOOD TRUSSES BY THE TRUSS PLATE INSTITUTE. PROVIDE PERMANENT AND TEMPORARY BRACING ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

COORDINATE ALL TRUSS DETAILS WITH ARCHITECTURAL PLANS.

SPLICE & DEVELOPMENT LENGTHS FOR REINFORCEMENT

(UNLESS NOTED OTHERWISE ON THE DRAWINGS)

fy = 60,000 psi
f'c = 3,000 psi

BAR SIZE	LENGTH OF LAPPED SPLICES FOR REINFORCEMENT (INCHES)		LENGTH OF END ANCHORAGE FOR DEVELOPMENT OF REINFORCEMENT (INCHES)			HOOK LENGTH	BAR SIZE
	TOP BARS*	OTHERS	TOP BARS*	OTHERS	HOOLED BARS		
3	28	22	22	17	9	6	3
4	38	29	29	22	11	8	4
5	47	36	36	28	14	10	5
6	56	43	43	33	17	12	6
7	81	63	63	48	20	14	7
8	93	72	72	55	22	16	8
9	105	81	81	62	25	20	9
10	118	91	91	70	28	22	10
11	131	101	101	78	31	24	11
14	--	--	121	93	38	31	14
18	--	--	161	124	50	41	18

*TOP BARS ARE HORIZONTAL BARS SO PLACED THAT MORE THAN 12" OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR. HORIZONTAL BARS IN WALLS ARE TO BE CONSIDERED AS TOP BARS. VERTICAL BARS MAY BE CONSIDERED AS OTHER BARS.

UNLESS EITHER OF THE FOLLOWING TWO CASES EXIST FOR STRAIGHT BARS, THE DEVELOPMENT OR SPLICE LENGTH FOR STRAIGHT BARS IN THE ABOVE TABLE MUST BE MULTIPLIED BY 1.5:

I. THE CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS GREATER THAN OR EQUAL TO ONE BAR DIAMETER, THE CLEAR COVER IS GREATER THAN OR EQUAL TO ONE BAR DIAMETER, AND STIRRUPS OR TIES PROVIDED THROUGHOUT THE DEVELOPMENT OR SPLICE LENGTH MEET OR EXCEED THE CODE MINIMUM.

II. THE CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS GREATER THAN OR EQUAL TO TWO BAR DIAMETERS AND THE CLEAR COVER IS GREATER THAN OR EQUAL TO ONE BAR DIAMETER.

THE DEVELOPMENT LENGTH FOR HOOKED BARS, SIZE 11 AND SMALLER, PLACED WITH SIDE COVER GREATER THAN OR EQUAL TO 2 1/2" AND COVER ON THE BAR EXTENSION BEYOND THE HOOD (90° HOOK ONLY) GREATER THAN OR EQUAL TO 2", MAY BE MULTIPLIED BY 0.7.

VALUES IN THE ABOVE TABLE ARE NOT TO BE USED FOR EPOXY COATED REINFORCING AND/OR REINFORCING PLACED IN CONCRETE CONTAINING LIGHTWEIGHT AGGREGATE.

CONCRETE COVER FOR REINFORCEMENT

(UNLESS NOTED OTHERWISE ON THE DRAWINGS)

LOCATION	MINIMUM COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER: #6 AND LARGER #5 AND SMALLER	2" 1 1/2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND: SLABS, WALLS, AND JOISTS: #14 AND LARGER #11 AND SMALLER BEAMS AND COLUMNS	1 1/2" 3/4" 1 1/2"

**CORE & SHELL BUILDING FOR
STREETS OF WEST PRYOR LOT 5
LEE'S SUMMIT, MISSOURI**

SUBMISSION DATES
2023-05-23
ASI #2 07/07/2023

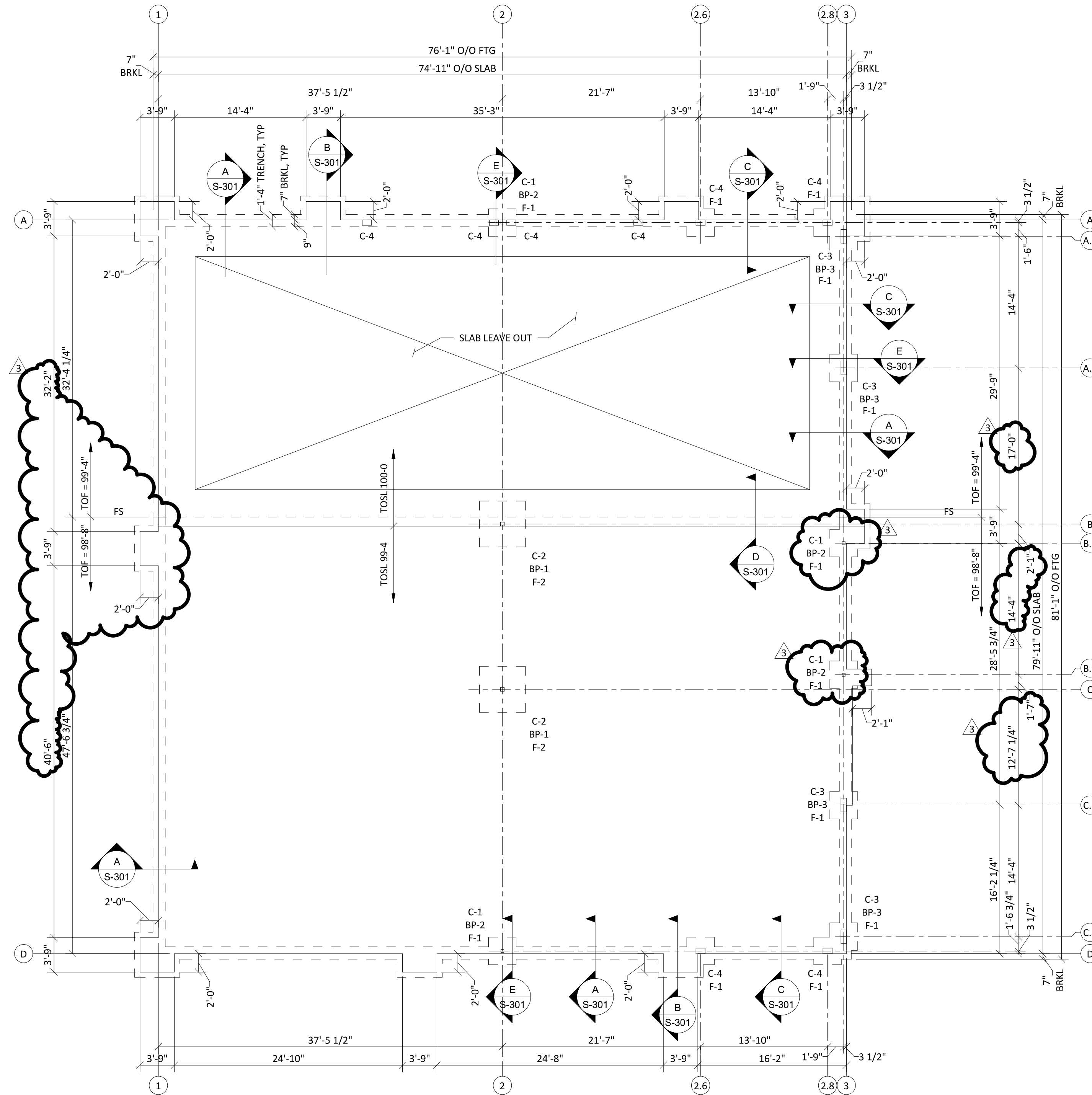
SHEET TITLE
GENERAL NOTES

PROJECT NUMBER
230117

SHEET NUMBER
S-001

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FOUNDATION PLAN

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

FLOOR CONSTRUCTION: 4" CONCRETE SLAB ON GRADE REINFORCE w/6X6 - W2.9XW2.9 WELDED WIRE FABRIC. LOCATE REINFORCING 1 1/2" BELOW TOP OF SLAB. PROVIDE 6" LAYER OF GRANULAR LEVELING COURSE (#57 STONE) BELOW SLAB. VAPOR BARRIER SHALL BE PLACED DIRECTLY OVER GRANULAR FILL AND UNDER SLAB. REFERENCE ARCHITECTURAL AND SPECIFICATIONS FOR FURTHER DETAILS.

THE BUILDING FLOOR SLAB SHALL BE WITHIN A FLATNESS TOLERANCE OF 1/4" PER 10'-0".

TOSL - TOP OF SLAB ELEVATION: 100-0 = SITE ELEVATION: 984.25, 99-4 = SITE ELEVATION 983.58

TOF - TOP OF FOOTING ELEVATION: 98-8 OR 99-4, RE: PLAN

- SI - SLAB JOINT
- FS - FOOTING STEP
- C-(#) - DENOTES COLUMN MARK, REFERENCE SCHEDULE
- F-(#) - DENOTES FOOTING MARK, REFERENCE SCHEDULE
- BP-(#) - DENOTES COLUMN BASE PLATE TYPE, REFERENCE DETAILS

COORDINATE ALL PENETRATIONS THROUGH THE SLAB AND ALL UNDER SLAB ITEMS WITH OTHER TRADES BEFORE CONSTRUCTION.

VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. INFORM ENGINEER OF ALL DISCREPANCIES.

ISOLATED FOOTING

MARK	SIZE (LxWxD)	REINFORCING
F-1	3'-0x3'-0x3'-0	(4) #5 EW
F-2	5'-0x5'-0x1'-4	(6) #5 EW

COLUMN SCHEDULE

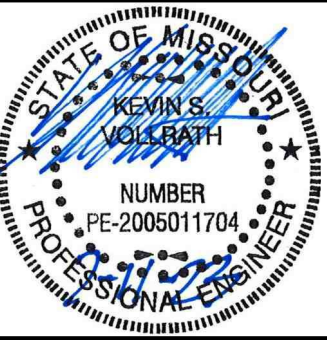
MARK	SIZE
C-1	HSS4x4x1/4
C-2	HSS5x5x1/4
C-3	DBL HSS9x7x3/8
C-4	(7) 2X8

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**CORE & SHELL BUILDING FOR
STREETS OF WEST PRYOR LOT 5**
LEE'S SUMMIT, MISSOURI

SUBMISSION DATES

2023-05-23

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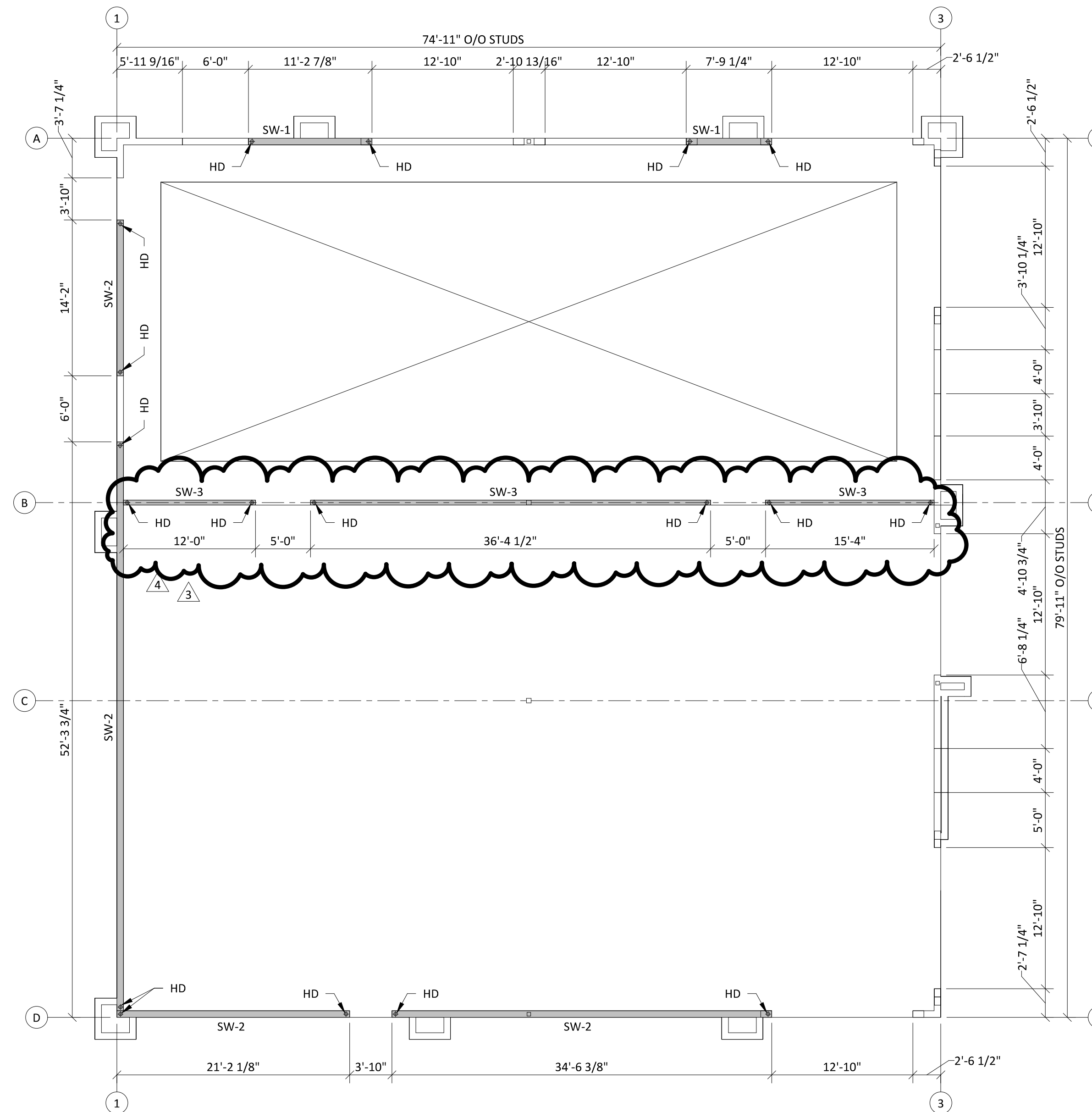
07/07/2023

SHEET TITLE
FOUNDATION PLAN

PROJECT NUMBER
230117

SHEET NUMBER
S-101

FILE PATH: \\cse-fs01.cae.local\Projects\2019\01190008 - Streets of West Pryor - Lot 5_1 CAD\01190008.120 - Streets of West Pryor - Lot 5.rvt
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WALL FRAMING PLAN

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

WALL CONSTRUCTION: TYPICAL EXTERIOR WALL CONSTRUCTION SHALL BE 2x8 WOOD STUDS @ 16" MAXIMUM ON CENTER. MINIMUM (2) TRIMMER STUDS AND (2) KING STUDS SHALL BE PROVIDED AT ALL OPENINGS IN EXTERIOR, BEARING, AND SHEAR WALLS. TYPICAL INTERIOR SHEAR WALL CONSTRUCTION SHALL BE 2x6 WOOD STUDS @ 16" ON CENTER. REFERENCE HEADER SCHEDULE FOR CONDITIONS REQUIRING ADDITIONAL STUDS. DOUBLE TOP PLATE SHALL BE CONTINUOUS AND SHALL BE SPLICED PER TYPICAL DETAIL. SEE SHEAR WALL SCHEDULE FOR FURTHER INFORMATION ON CONSTRUCTION OF SHEAR WALLS.

VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. INFORM ENGINEER OF ALL DISCREPANCIES.

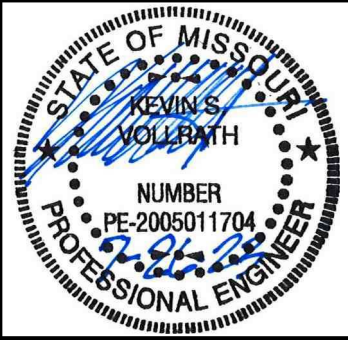
NOTE: FACE OF STUD ALIGNS WITH THE CONCRETE SLAB EDGE FOR ALL EXTERIOR WALLS. ALL PLAN DIMENSIONS TO EXTERIOR WALLS ARE TO FACE OF STUD/FACE OF CONCRETE SLAB. ALL DIMENSIONS TO INTERIOR WALLS ARE TO FACE OF STUD/STRUCTURAL WALL.

WOOD SHEARWALL (SW) SCHEDULE

MARK	STUD SIZE & SPACING	SHEATHING MATERIAL	EDGE NAILING	FIELD NAILING	COMPRESSION CHORD (MIN)	HOLDOWN	SILL PLATE ANCHOR BOLT AT FDN
SW-1	2x8@16	1/2" OSB ZIP SYSTEM PANELS BLOCKED ONE SIDE OF WALL	8d COMMON @4" OC	8d COMMON @12" OC	(3) 2x8 WD STUDS	HDU8-SD2.5 7/8"Ø AB	5/8"Ø AB AT 1'-4" OR 3/4"Ø AB AT 2'-0" OC
SW-2	2x8@16	1/2" OSB ZIP SYSTEM PANELS BLOCKED ONE SIDE OF WALL	8d COMMON @6" OC	8d COMMON @12" OC	(2) 2x8 WD STUDS	HDU4-SD2.5 5/8"Ø AB	5/8"Ø AB AT 2'-0" OR 3/4"Ø AB AT 2'-8" OC
SW-3	2x6@16	1/2" (MIN) GYPSUM BOARD BLOCKED BOTH SIDES OF WALL	5d COOLER @4" OC	5d COOLER @4" OC	(2) 2x6 WD STUDS	HDU4-SD2.5 5/8"Ø AB	5/8"Ø AB AT 2'-0" OR 3/4"Ø AB AT 2'-8" OC

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**CORE & SHELL BUILDING FOR
 STREETS OF WEST PRYOR LOT 5
 LEE'S SUMMIT, MISSOURI**

SUBMISSION DATES

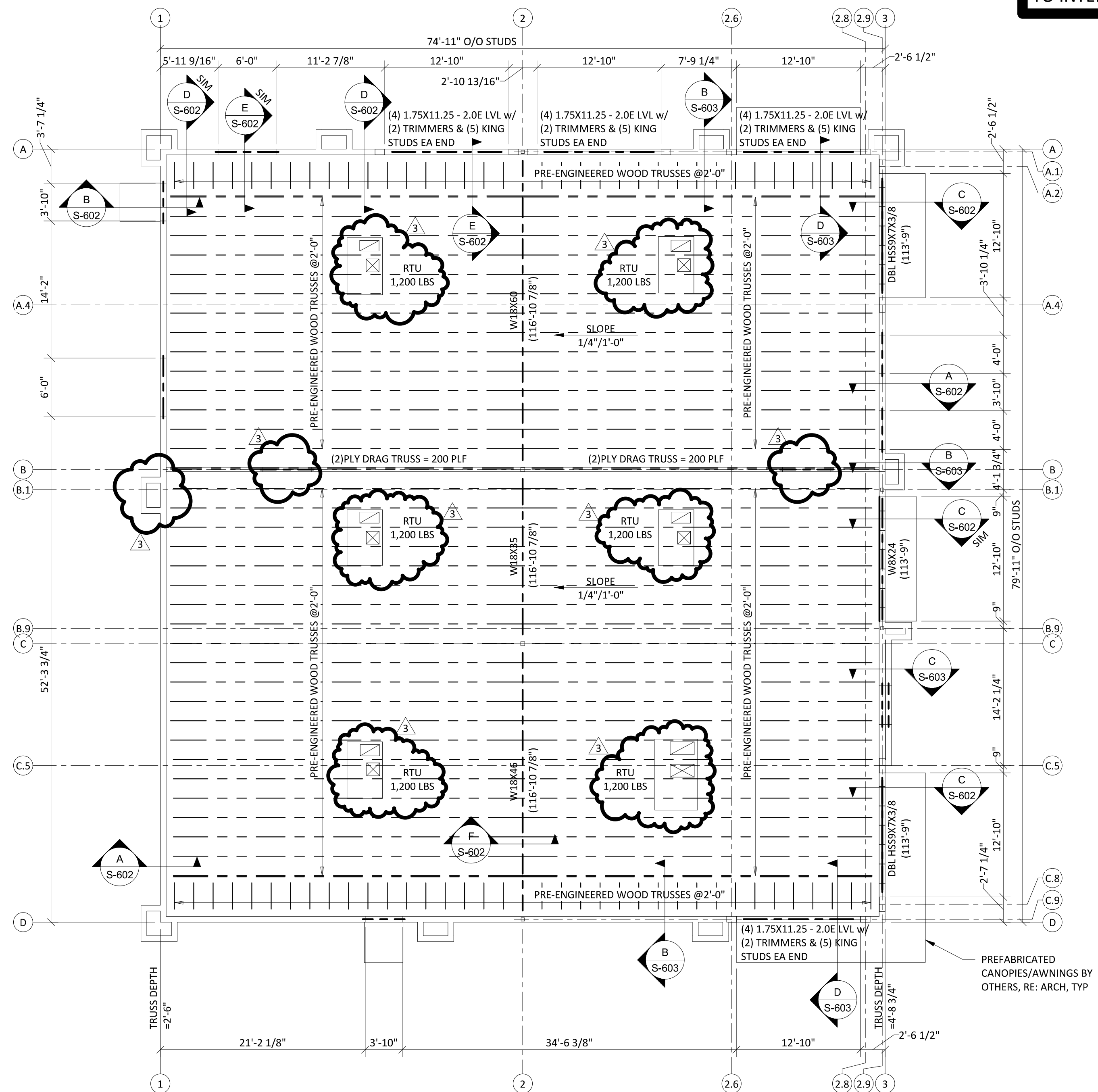
2023-05-23
ASI #2 07/07/2023
ASI #3 07/26/2023

SHEET TITLE
 WALL FRAMING PLAN

PROJECT NUMBER
 230117

SHEET NUMBER
 S-102

NOTE: FACE OF STUD ALIGNS WITH THE CONCRETE SLAB EDGE FOR ALL EXTERIOR WALLS. ALL PLAN DIMENSIONS TO EXTERIOR WALLS ARE TO FACE OF STUD/FACE OF CONCRETE SLAB. ALL DIMENSIONS TO INTERIOR WALLS ARE TO FACE OF STUD/STRUCTURAL WALL.



ROOF FRAMING PLAN

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

ROOF CONSTRUCTION: WOOD SHEATHING (19/32" MIN) OVER PREFAB WOOD ROOF TRUSSES @ 2'-0" OC MAX. SHEATHING SHALL BE CONTINUOUS UNDER AREAS OF OVERBUILD. REFERENCE GENERAL NOTES FOR SHEATHING SPECIFICATIONS AND ATTACHMENT.

DESIGN ALL TRUSSES FOR 15 PSF NET UPLIFT.

PROVIDE BRIDGING AS PRESCRIBED BY THE TRUSS MANUFACTURER REQUIREMENTS.

TOS - TOP OF STEEL ELEVATION: NOTED THUS (ELEV)

TOP OF PARAPET = 125-0 (MAX)

TRUSS BEARING ELEVATION = 114-4

TYPICAL HEADERS IN OPENINGS LESS THAN 4'-0" SHALL BE (4) 2X8 OR DEEPER, ALL HEADERS IN OPENINGS UP TO 6'-6" SHALL BE (4) 2X10 OR DEEPER, ALL HEADERS IN OPENINGS UP TO 8'-4" SHALL BE (4) 2X12. CONSTRUCT HEADERS PER "TYPICAL HEADER CONSTRUCTION" DETAIL." ALL HEADERS SHALL HAVE (1) TRIMMER MINIMUM AND (2) DEDICATED STUDS MINIMUM. PROVIDE (2) TRIMMERS AT OPENINGS LARGER THAN 7'-4".

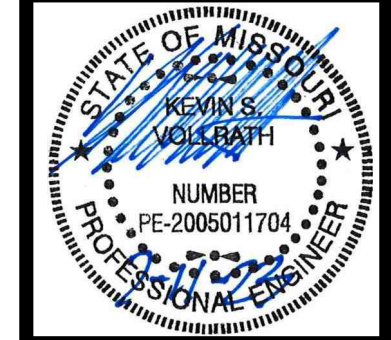
LINTELS: LOOSE BRICK LINTELS FOR DOOR AND WINDOW OPENINGS UP TO 8'-4" SHALL BE L5X5X3/8 GALVANIZED (ASTM A36)

DESIGN ROOF TRUSSES TO SUPPORT RTU LOADS AT LOCATIONS SHOWN. NOTIFY ENGINEER IF WEIGHTS, SIZES, OR LOCATIONS VARY FROM THAT SHOWN.

VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. INFORM ENGINEER OF ALL DISCREPANCIES.



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**CORE & SHELL BUILDING FOR
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LEE'S SUMMIT, MISSOURI

SUBMISSION DATES	
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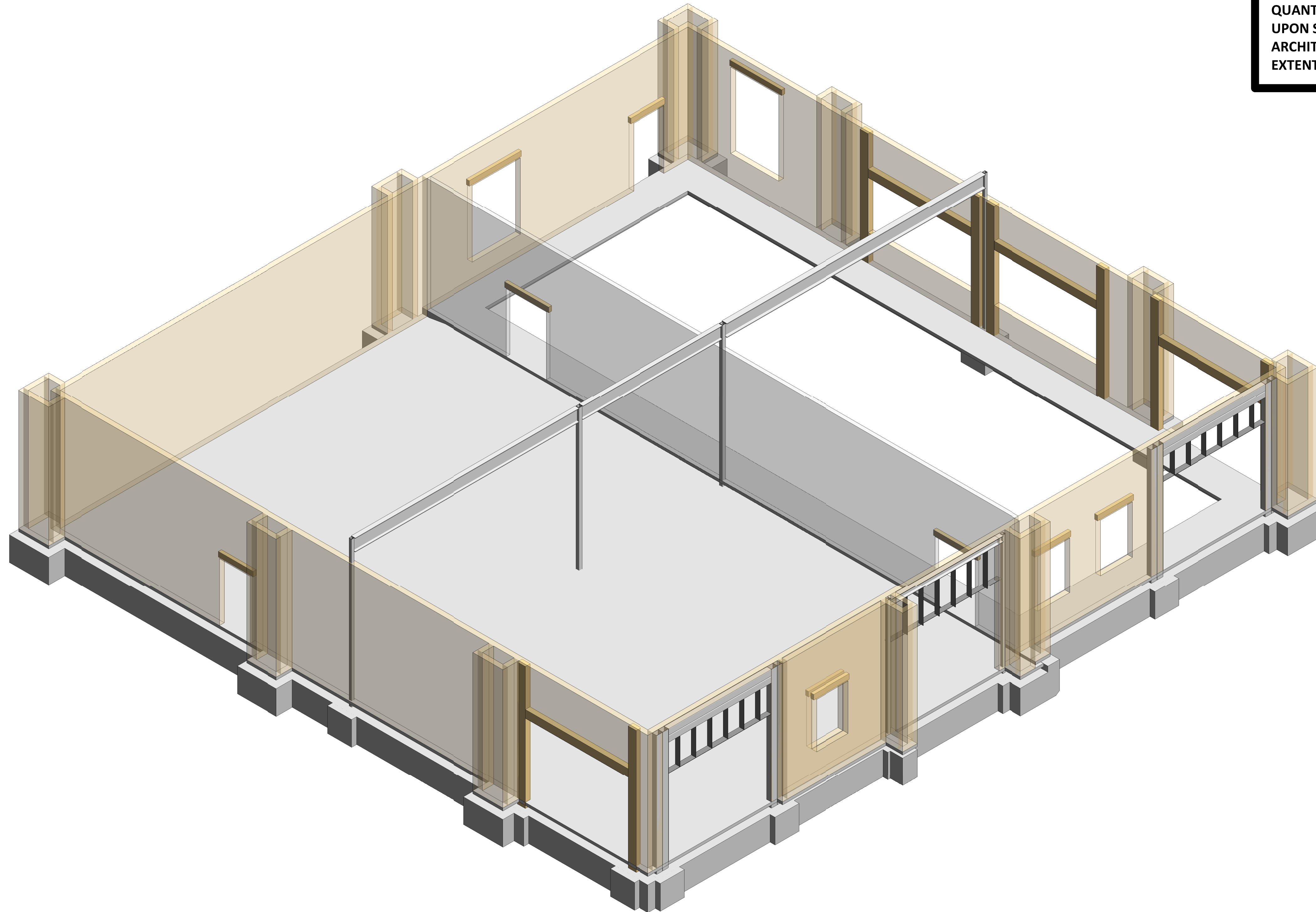
SHEET TITLE
ROOF FRAMING PLAN

PROJECT NUMBER
230117

SHEET NUMBER
S-103

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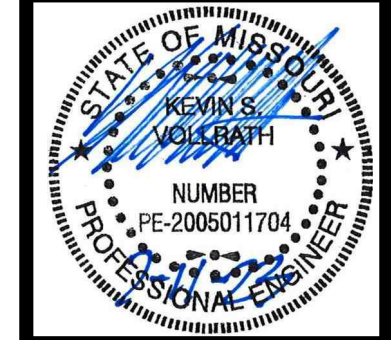
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① STRUCTURAL STEEL ISOMETRIC VIEW FROM SE CORNER
SCALE: NONE

ISOMETRIC VIEWS ARE INTENDED TO SHOW GENERAL FRAMING CONFIGURATIONS AND ARE FOR REFERENCE ONLY. IN NO WAY SHALL THESE VIEWS BE USED TO CONVEY THE FULL EXTENT OF FRAMING MATERIALS REQUIRED. QUANTITY OF MATERIALS SHALL BE BASED UPON STRUCTURAL PLANS, DETAILS, ARCHITECTURAL DRAWINGS, AND THE FULL EXTENT OF CONSTRUCTION DOCUMENTS.

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**CORE & SHELL BUILDING FOR
 STREETS OF WEST PRYOR LOT 5**
 LEE'S SUMMIT, MISSOURI

SUBMISSION DATES	
2023-05-23	
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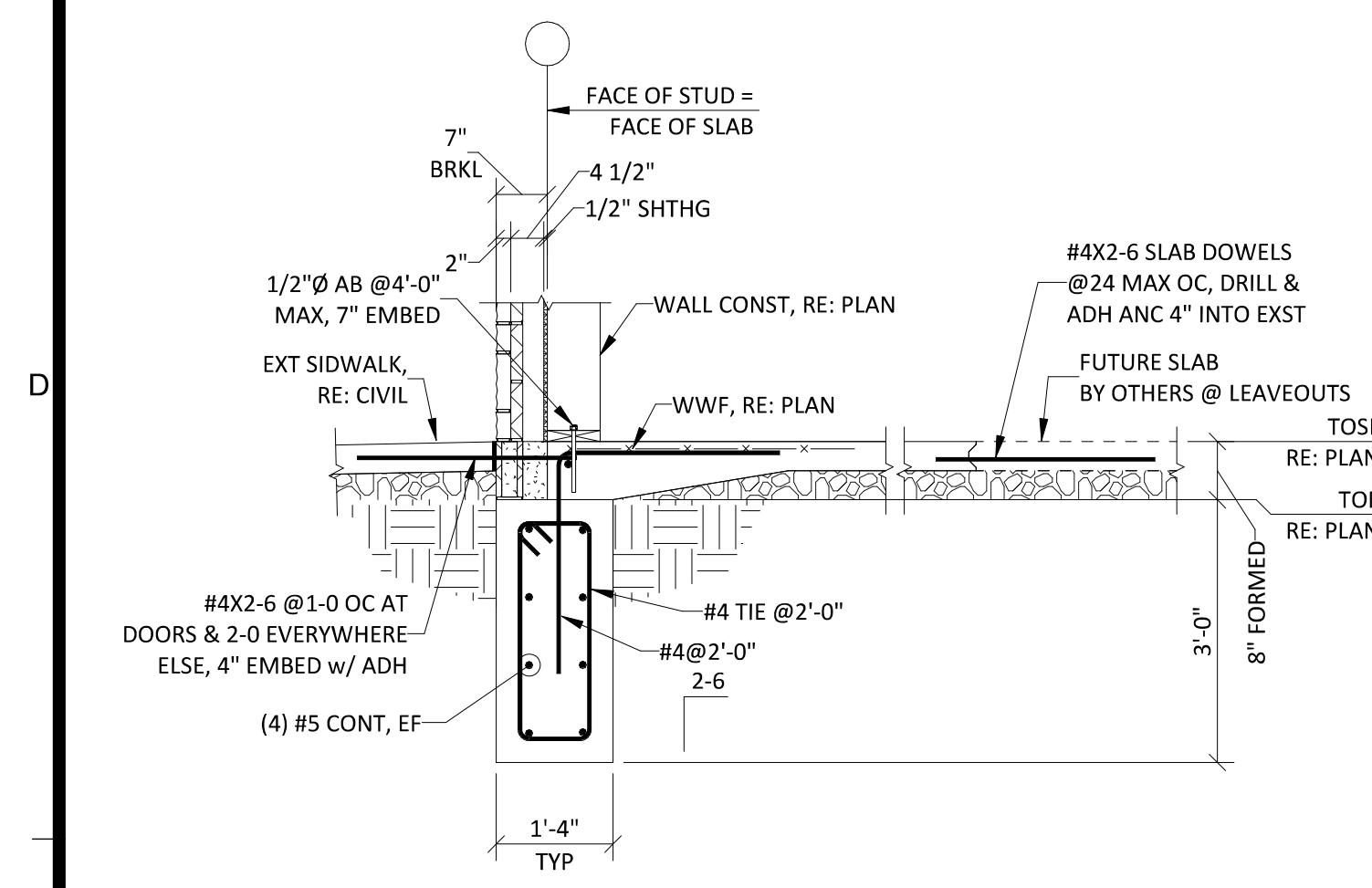
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FRAMING ISOMETRIC

PROJECT NUMBER
230117

SHEET NUMBER
S-201

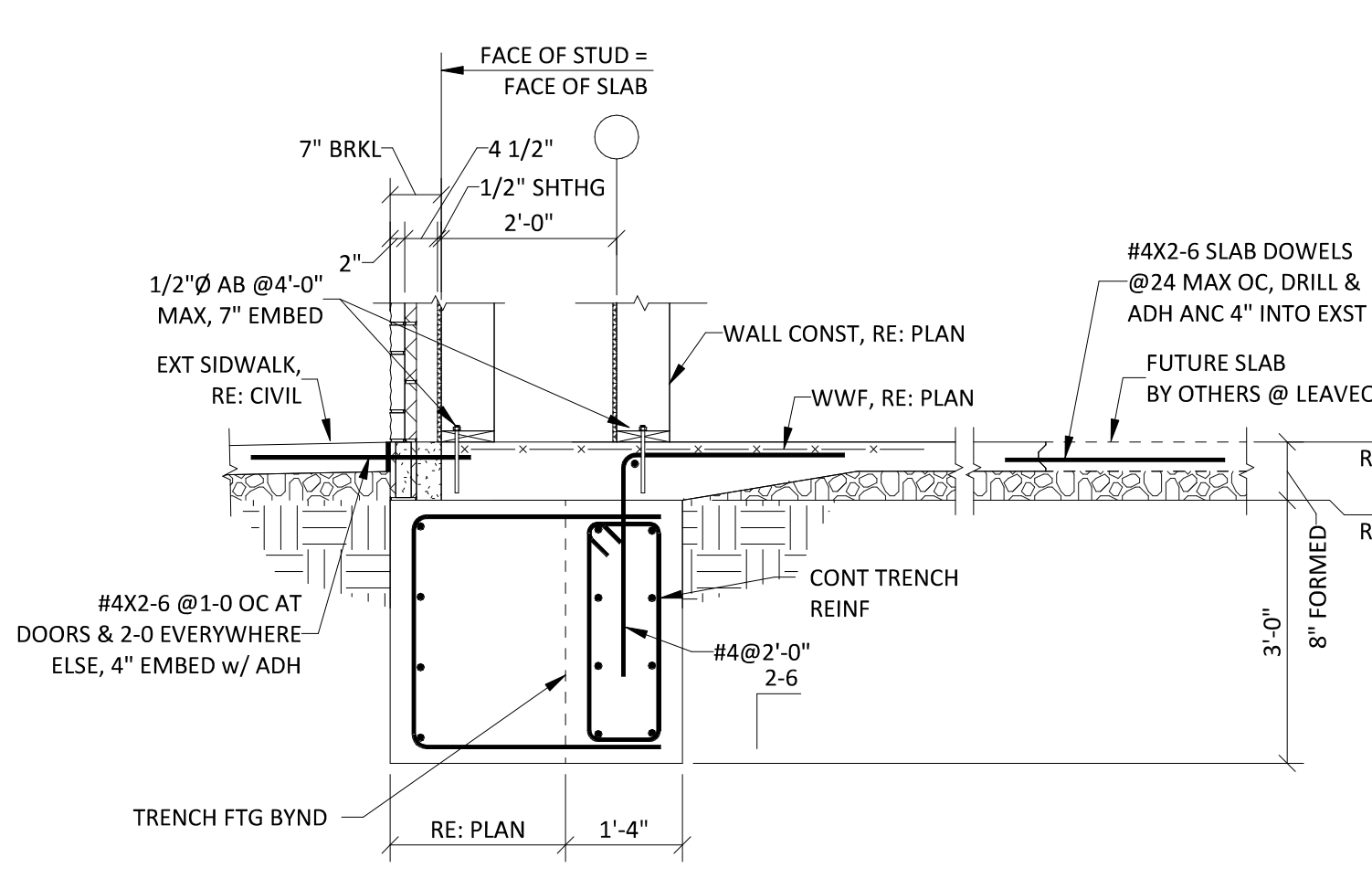
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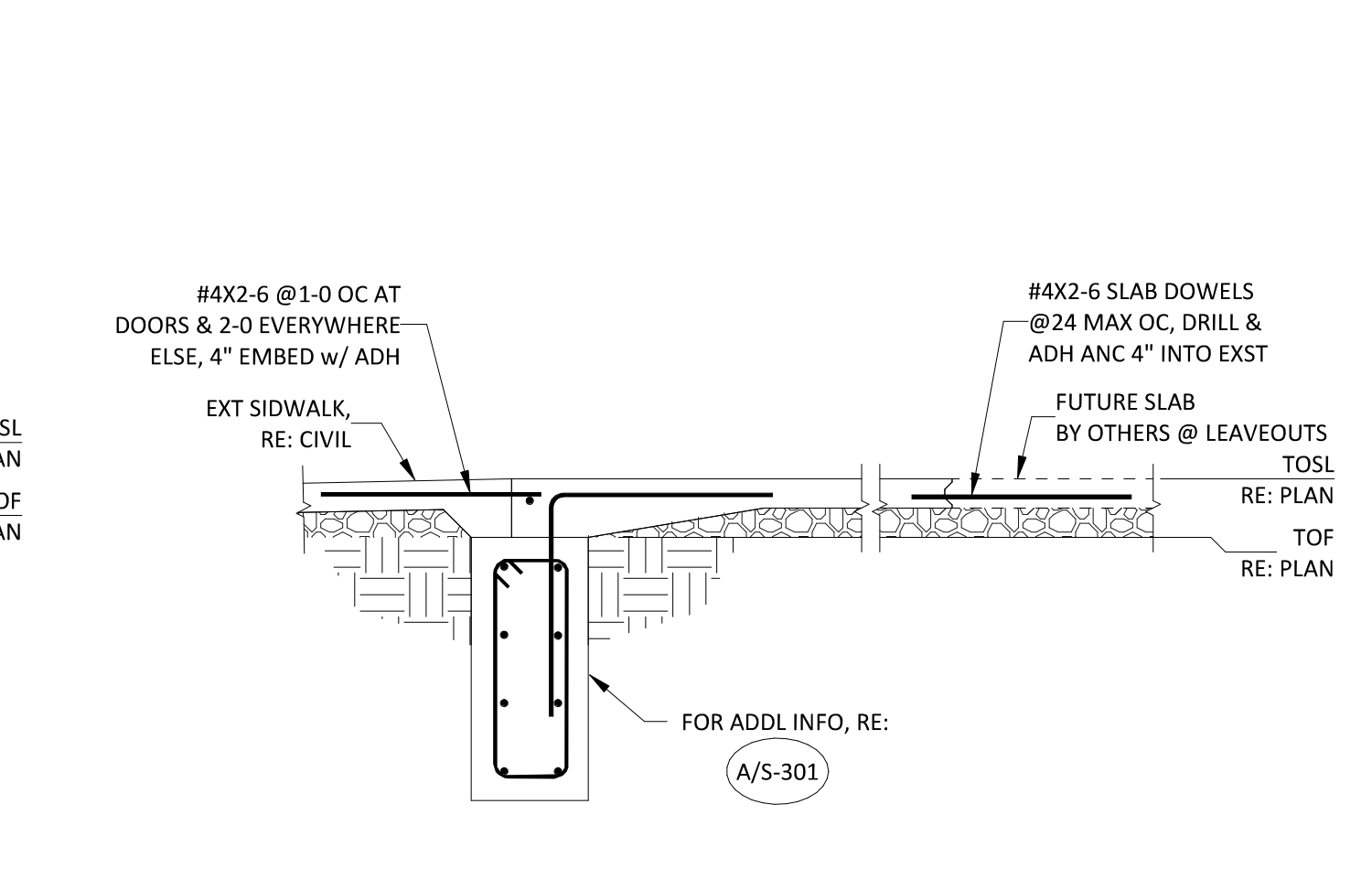
A SECTION

SCALE: NONE



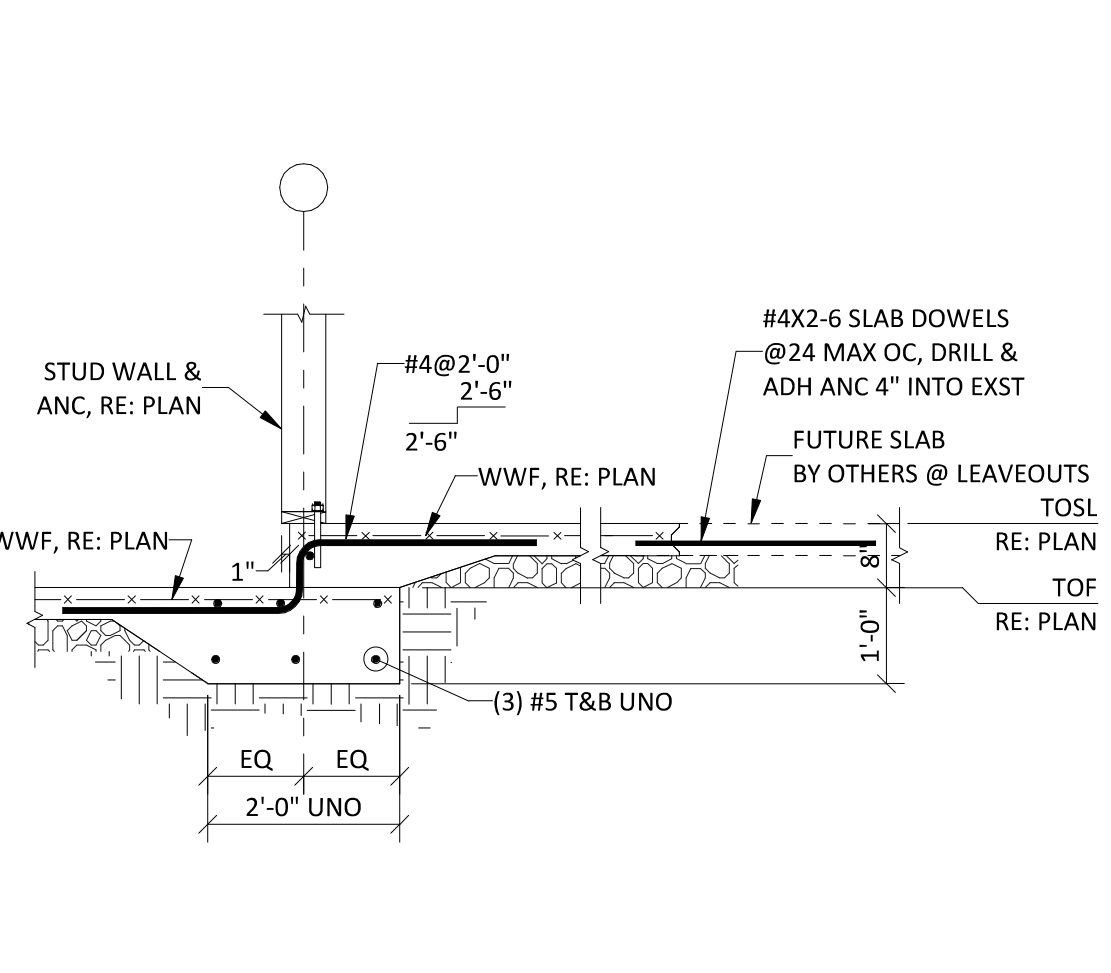
B SECTION

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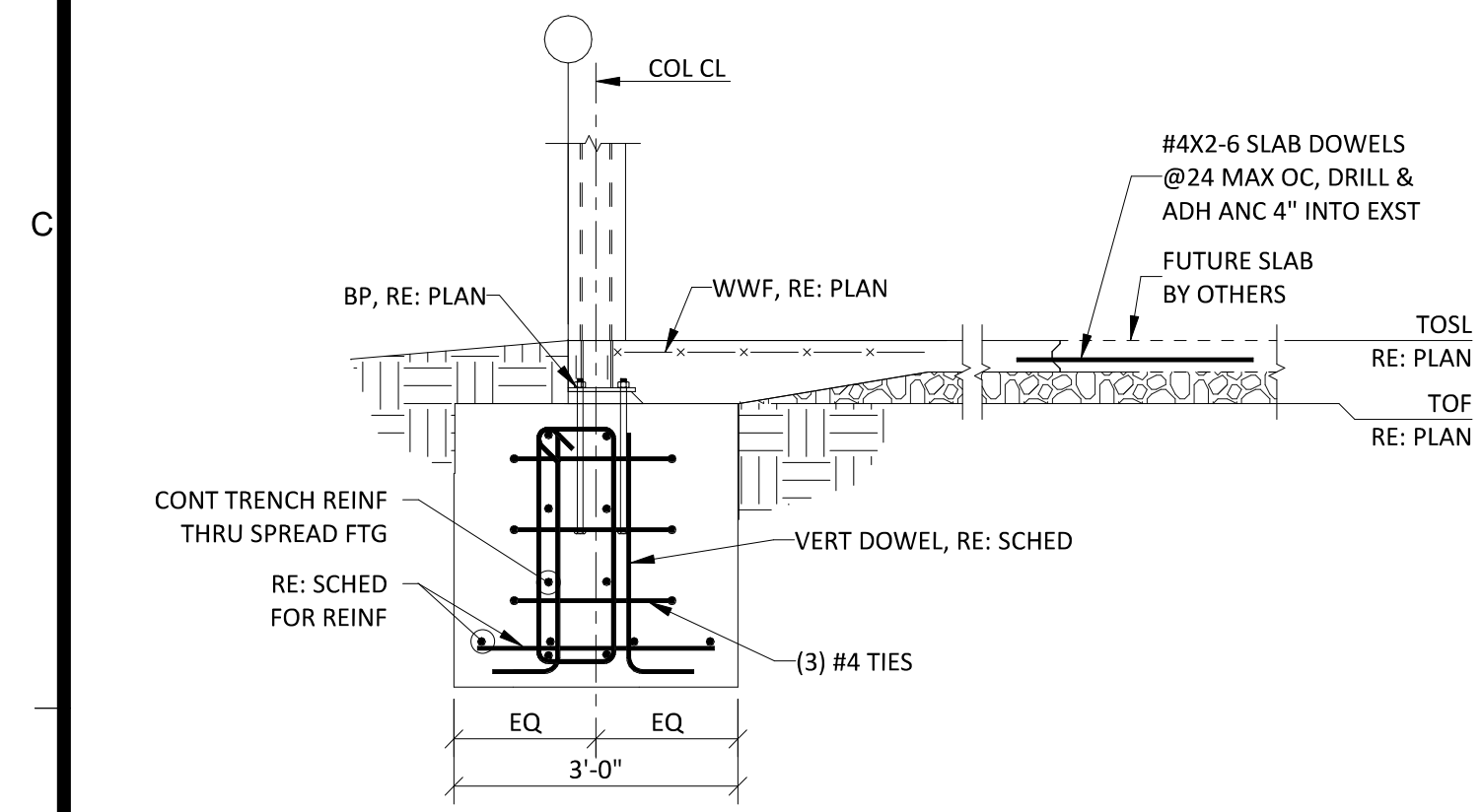
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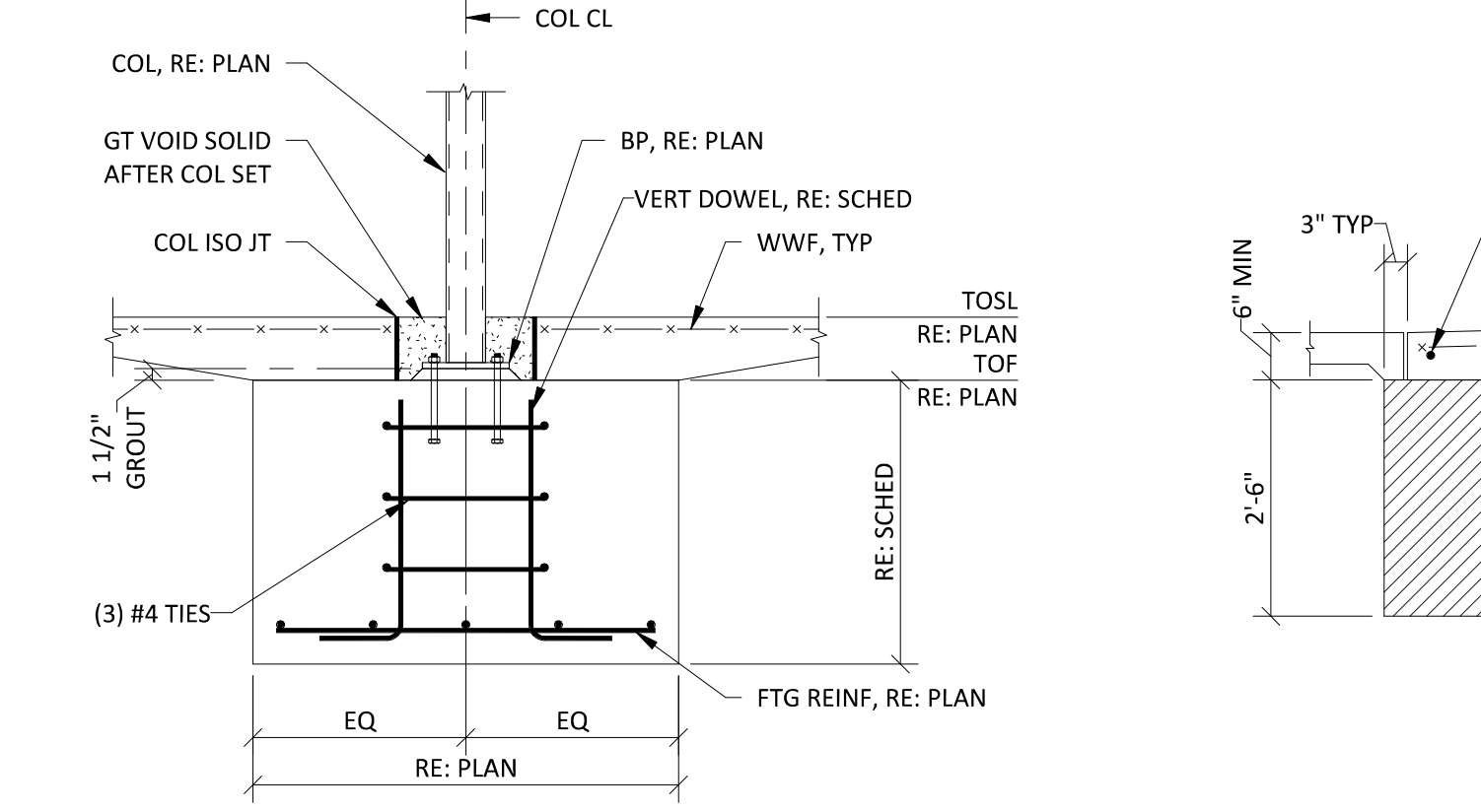
D SECTION

SCALE: NONE



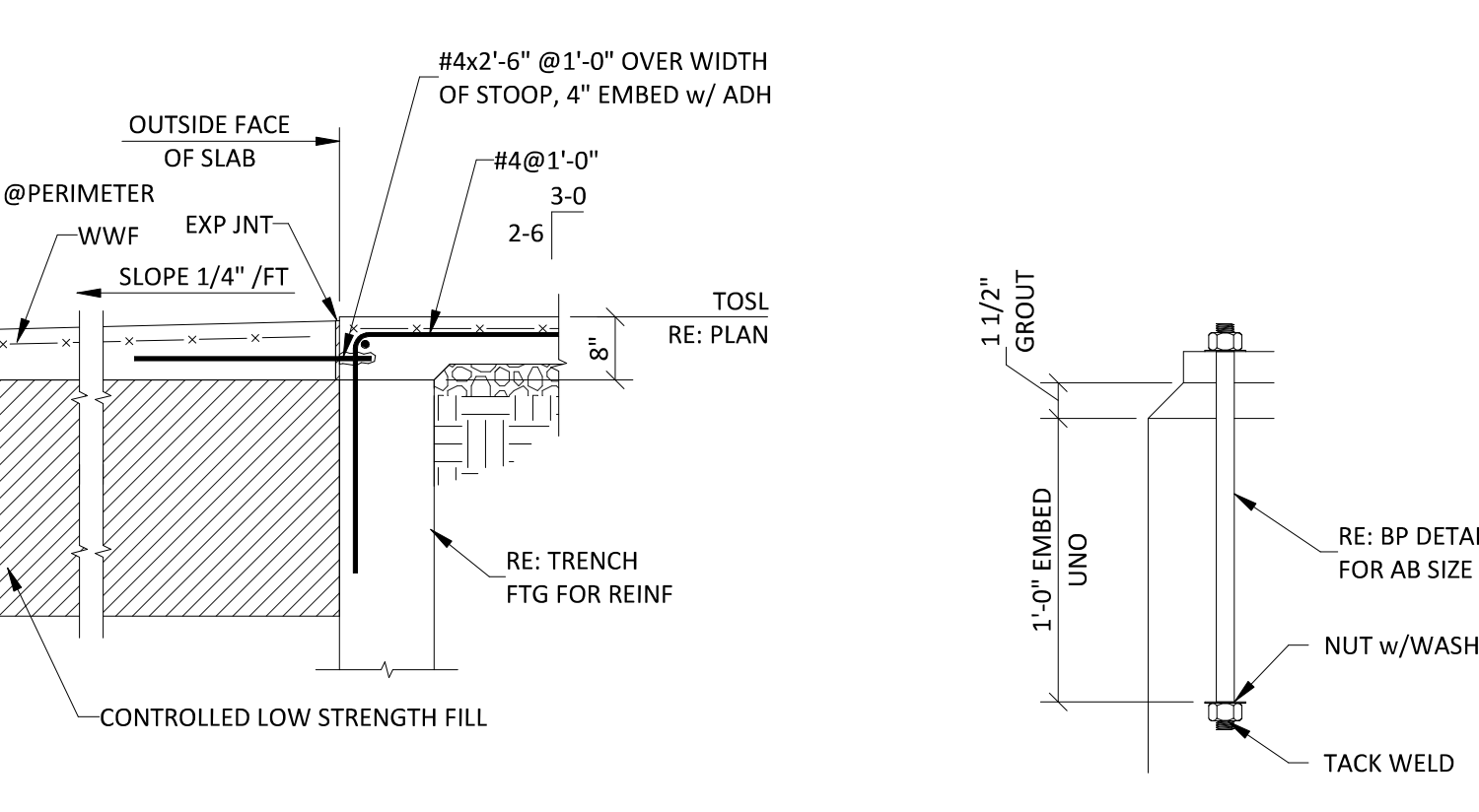
E SECTION

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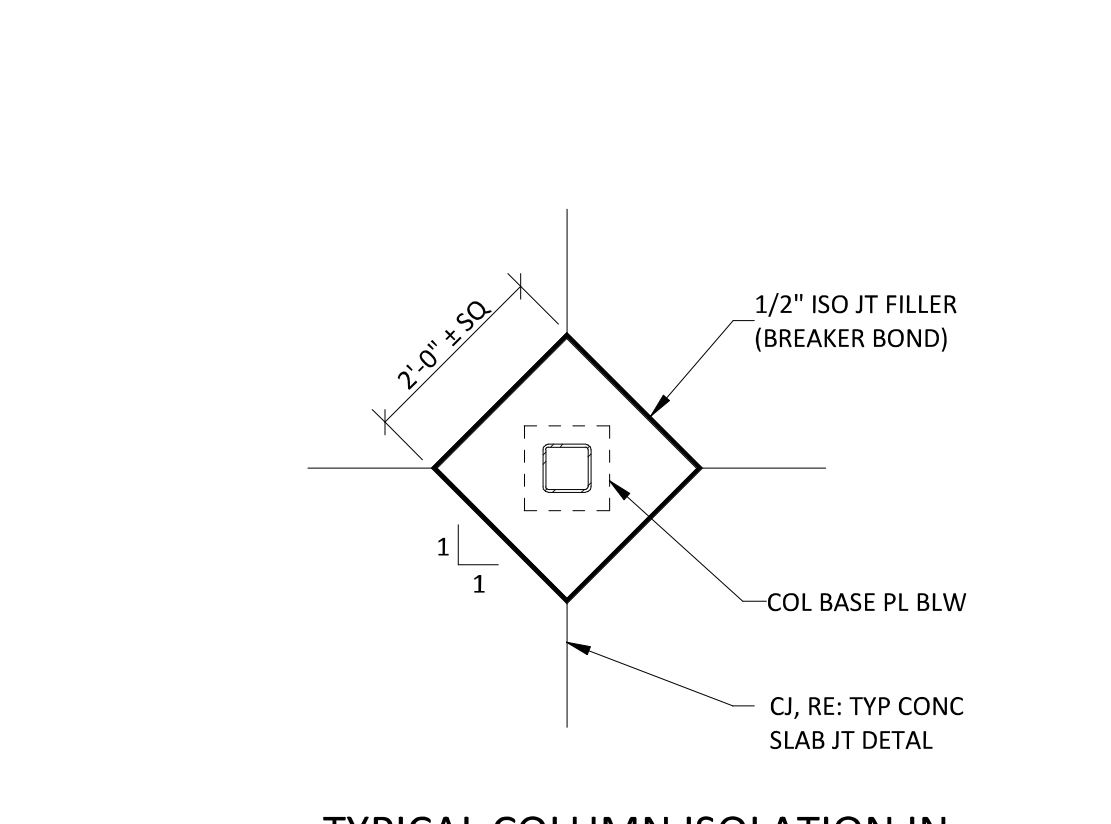
F SECTION

SCALE: NONE



G SECTION

SCALE: NONE

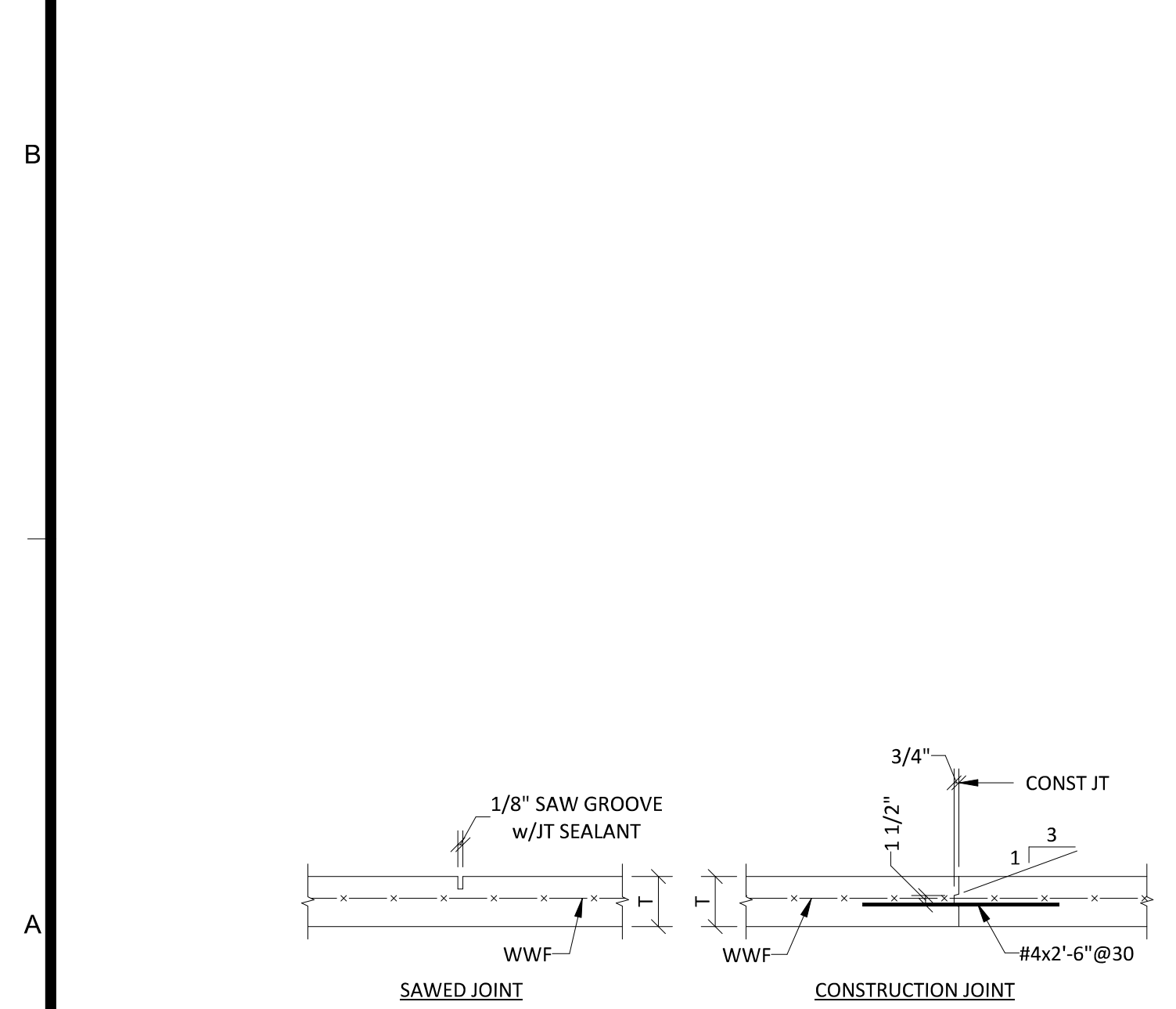


1 TYPICAL ANCHOR BOLT DETAIL

SCALE: NONE

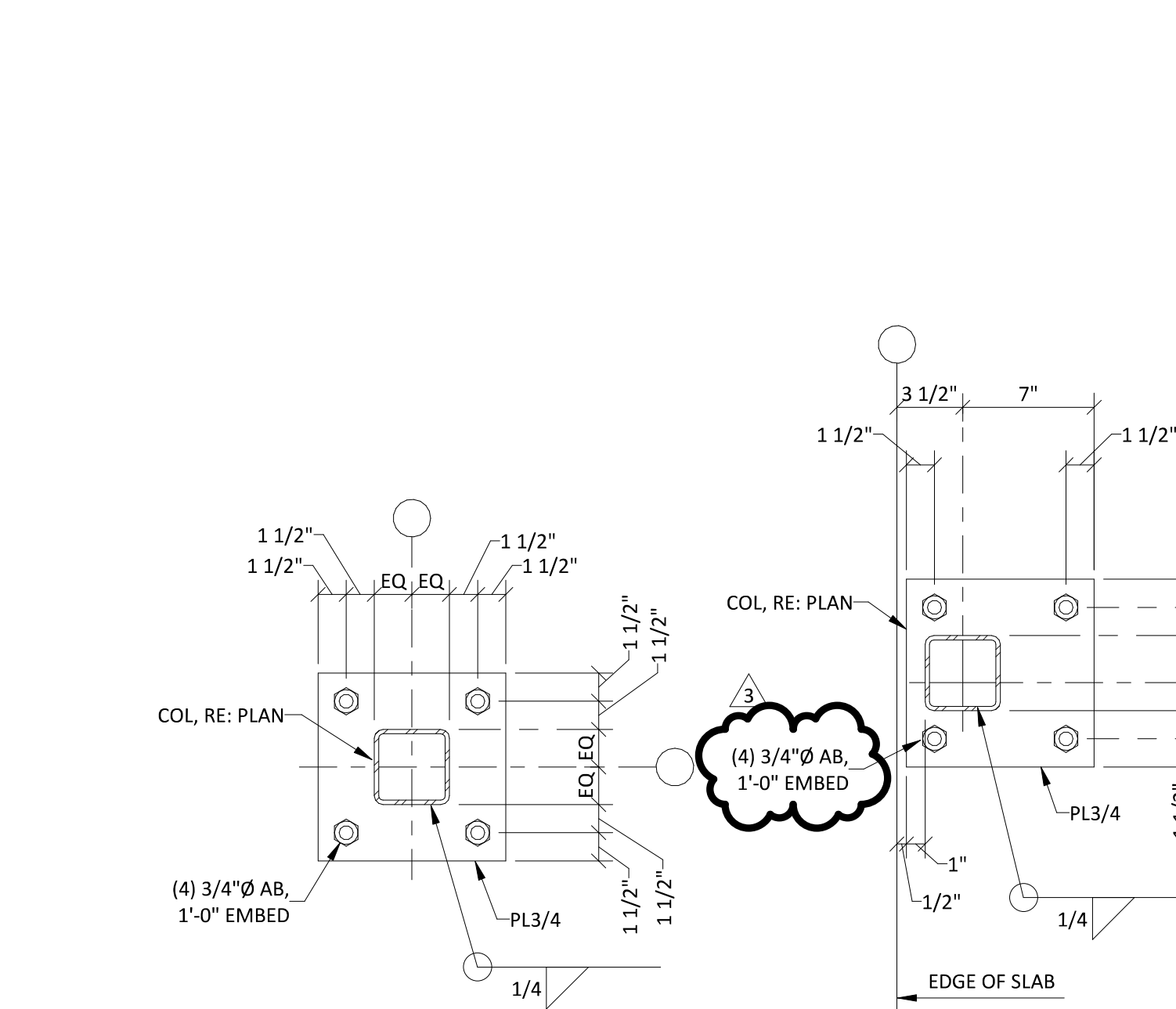
2 TYPICAL COLUMN ISOLATION IN SLAB ON GRADE DETAIL

SCALE: NONE



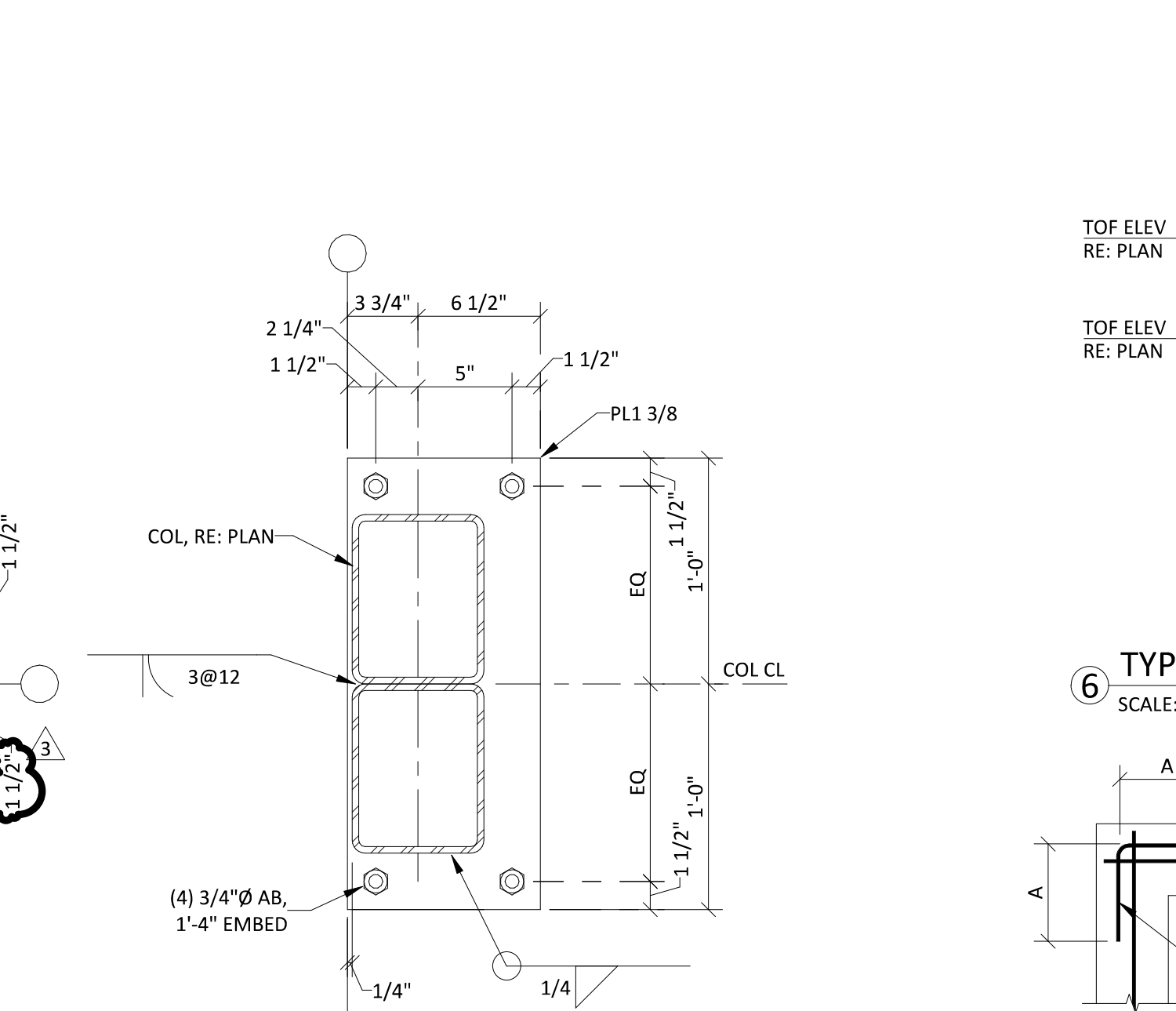
3 TYPICAL CONCRETE SLAB JOINT DETAIL

SCALE: NONE



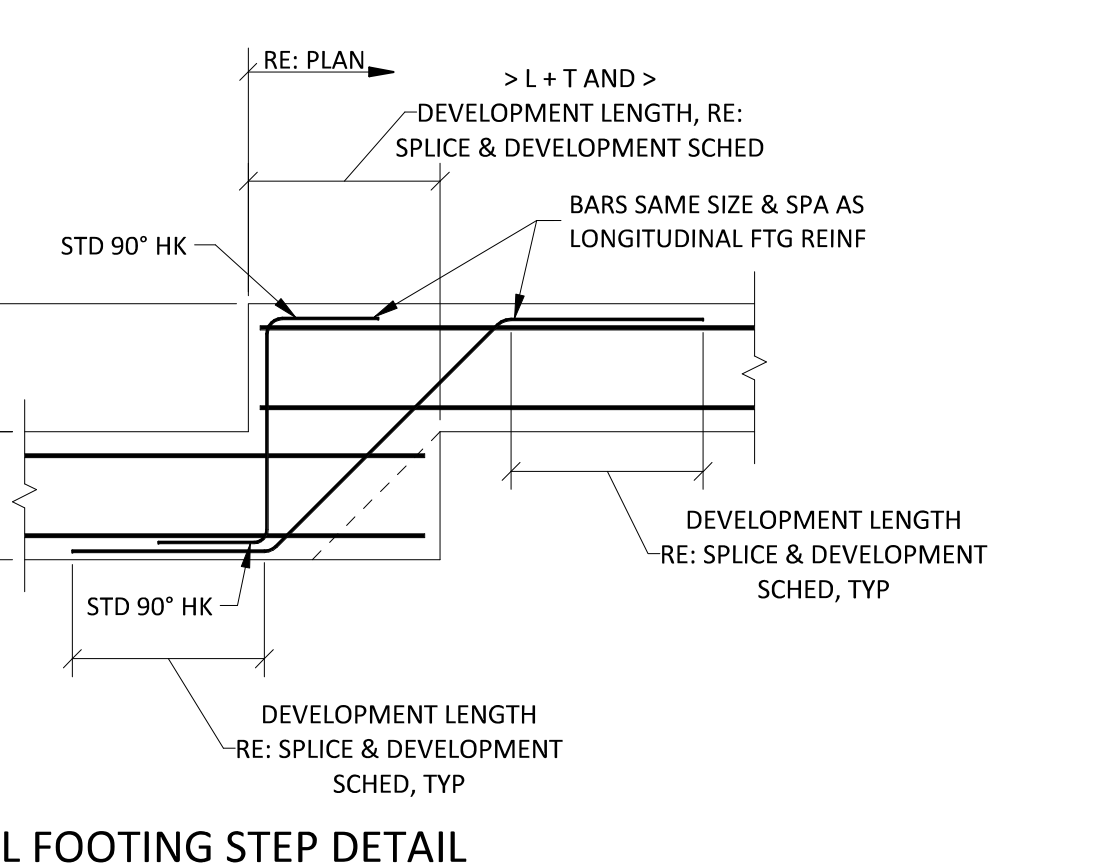
4 BASEPLATE DETAILS

SCALE: NONE



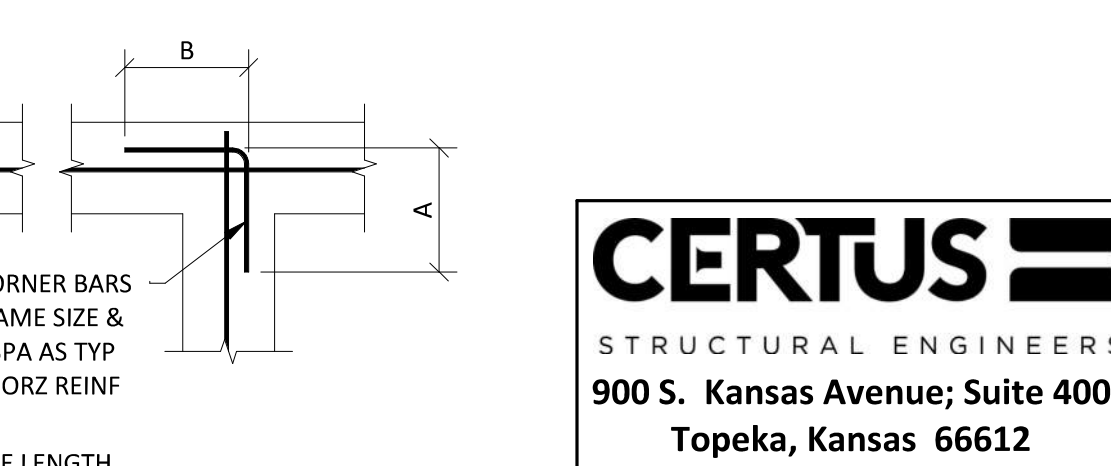
5 TYPICAL CORNER REINFORCEMENT DETAIL (ONE CURTAIN)

SCALE: NONE



6 TYPICAL FOOTING STEP DETAIL

SCALE: NONE



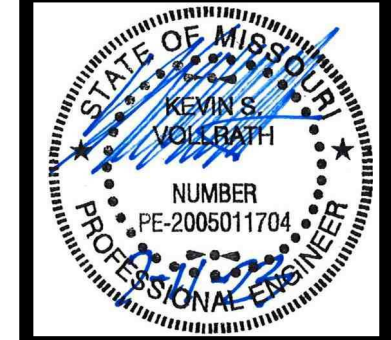
7 CORNER BARS SAME SIZE & SPA AS TYP HORZ REINF

SCALE: NONE

NOTE: ALL SLABS ON GRADE SHALL BE CONSTRUCTED WITH CONTROL JOINTS IN SQUARE OR RECTANGULAR PATTERNS WITH A LENGTH TO WIDTH RATION OF 1 1/2 OR LESS. CONTROL JOINTS SHALL BE SPACED NO FURTHER APART THAN 10'-0". AT THE CONTRACTORS OPTION, CONSTRUCTION JOINT MAY BE USED IN LIEU OF ANY CONTROL JOINT.

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**CORE & SHELL BUILDING FOR
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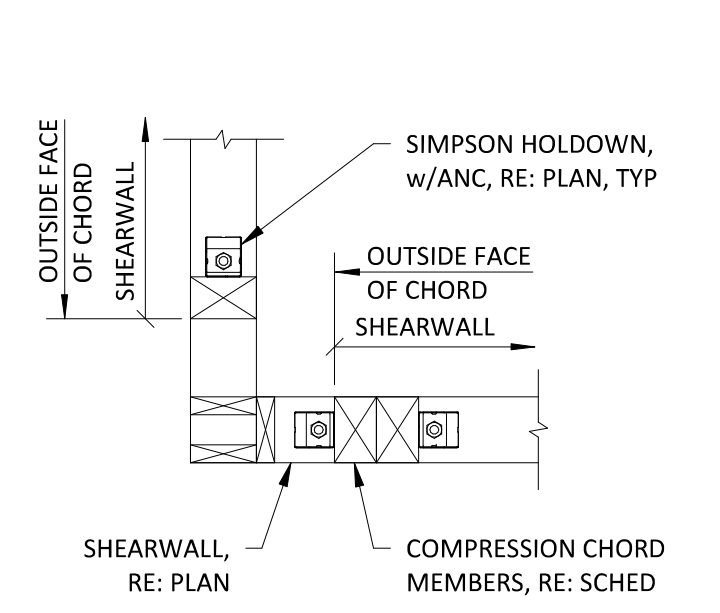
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CONCRETE DETAILS & SECTIONS I

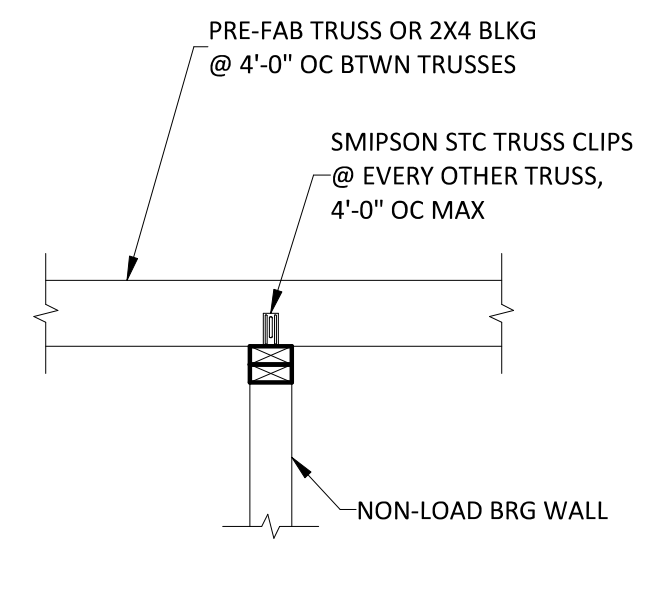
PROJECT NUMBER
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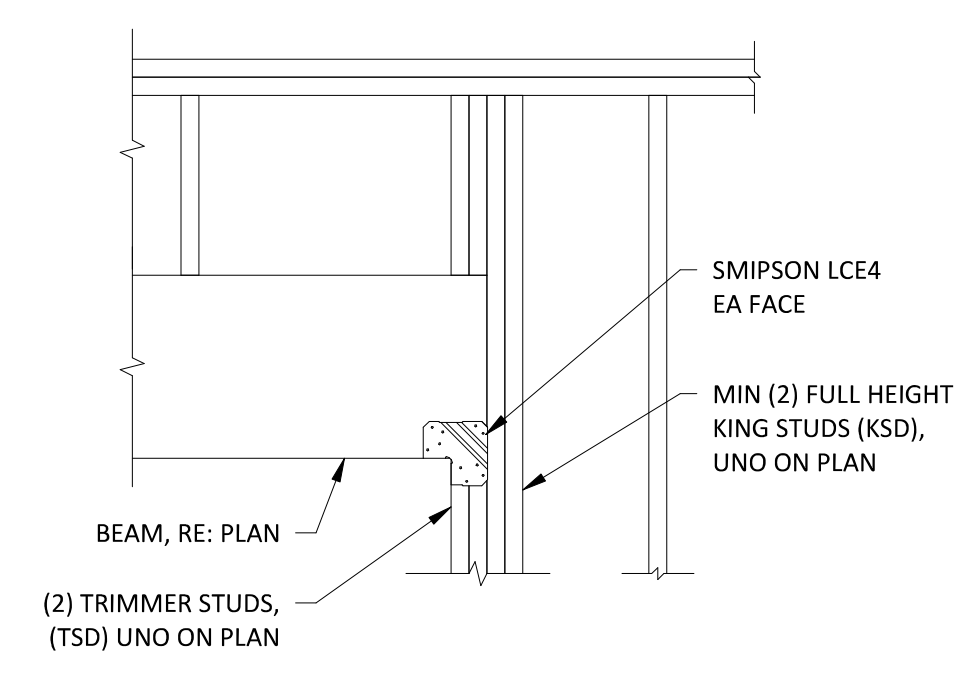
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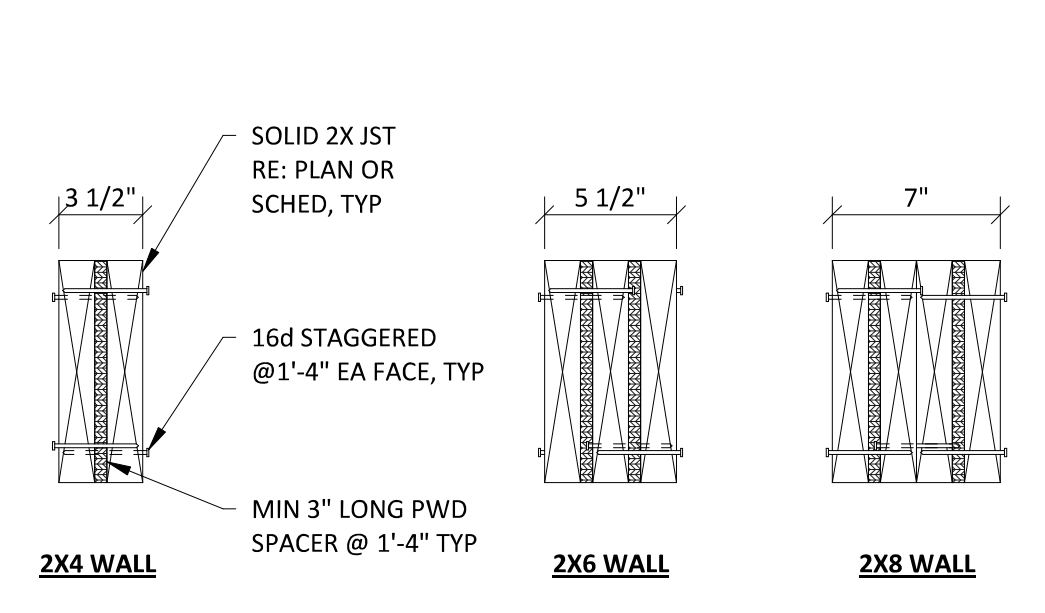
1 TYPICAL HOLDDOWN ASSEMBLY CORNER (ALTERNATE)
SCALE: NONE



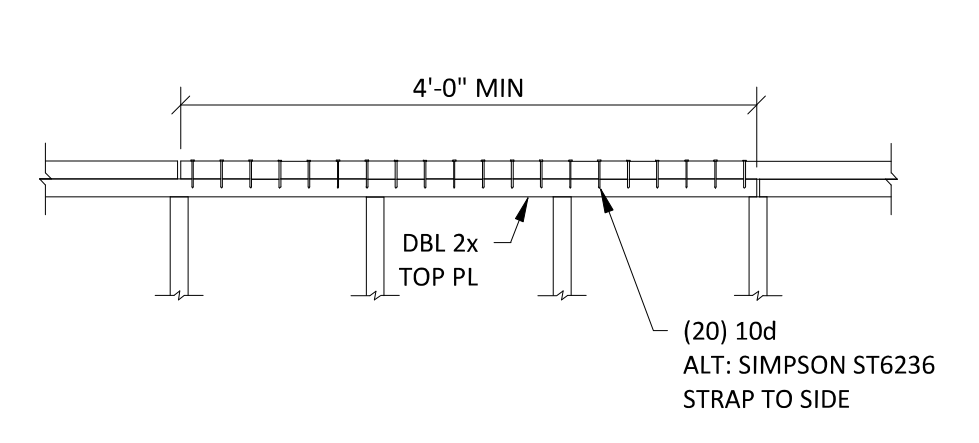
2 NON-LOAD BEARING WALL LATERAL SUPPORT DETAIL
SCALE: NONE



3 TYPICAL HEADER CONSTRUCTION DETAIL
SCALE: NONE

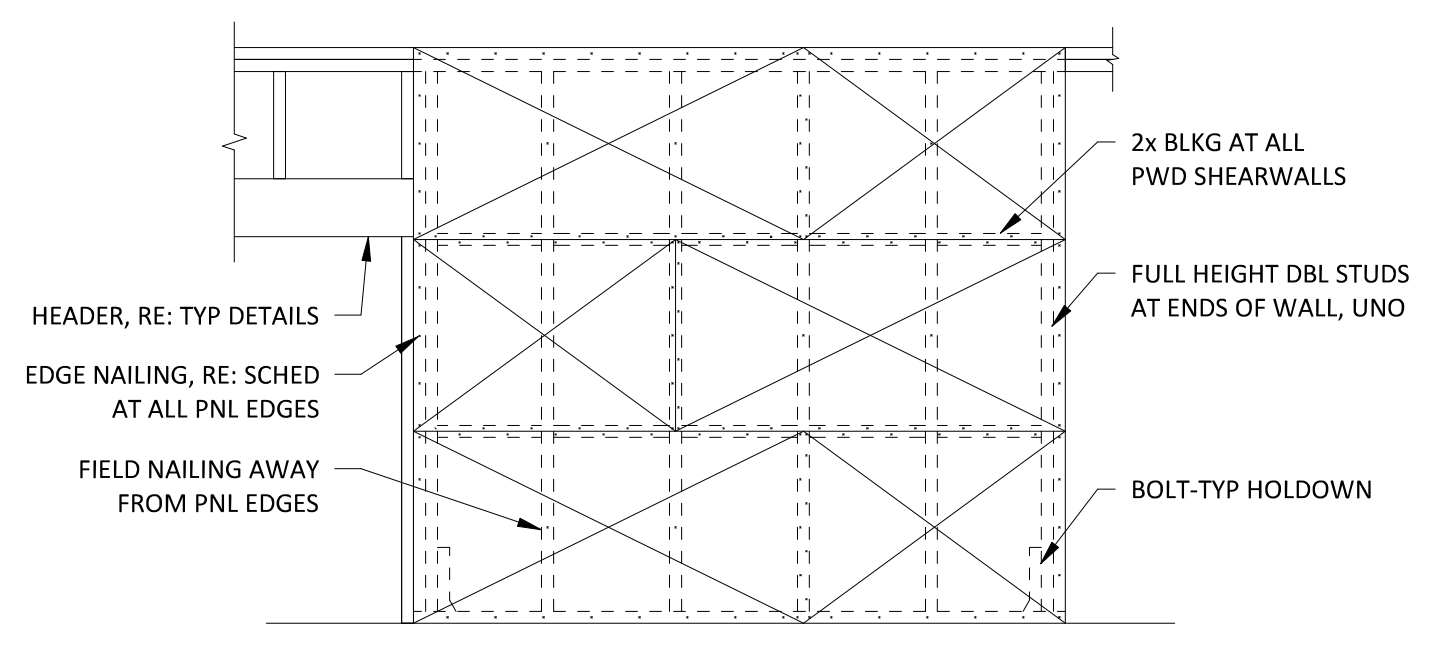


4 TYPICAL BUILT-UP HEADER CONSTRUCTION
SCALE: NONE

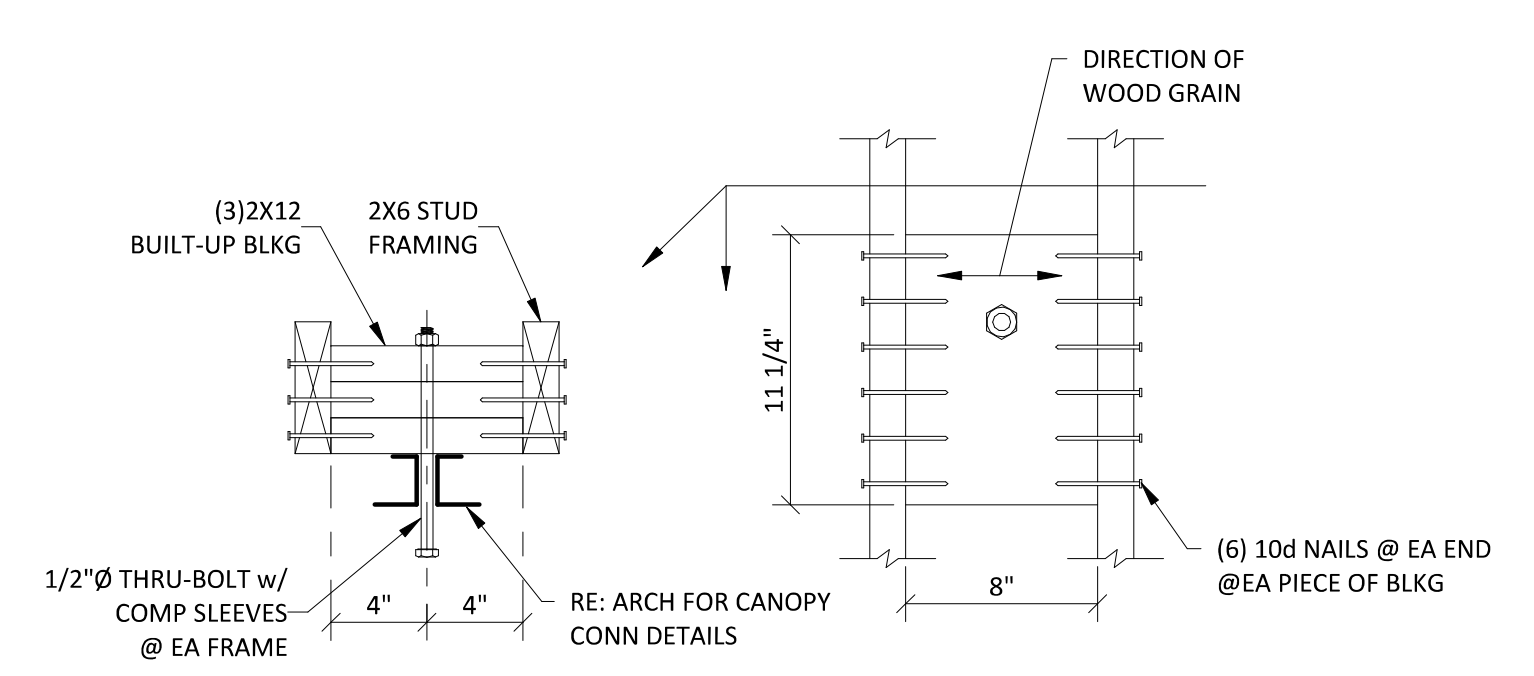


5 TYPICAL TOP PLATE SPLICE DETAIL
SCALE: NONE

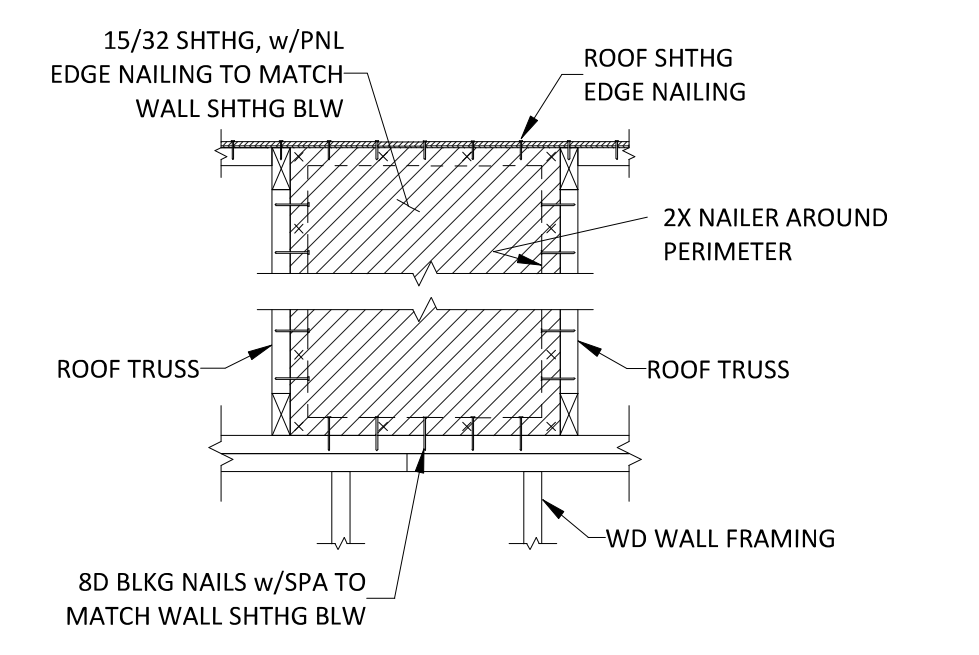
NOTES:
1. SPLICE REQUIRED OVER ALL SHEARWALLS AND ALL EXTERIOR AND BEARING WALLS.
2. SPECIFIC SPLICE REQUIREMENTS DO NOT APPLY TO INTERIOR NON-SHEARWALLS OR TOP OF PARAPET WALLS UNLESS NOTED OTHERWISE.



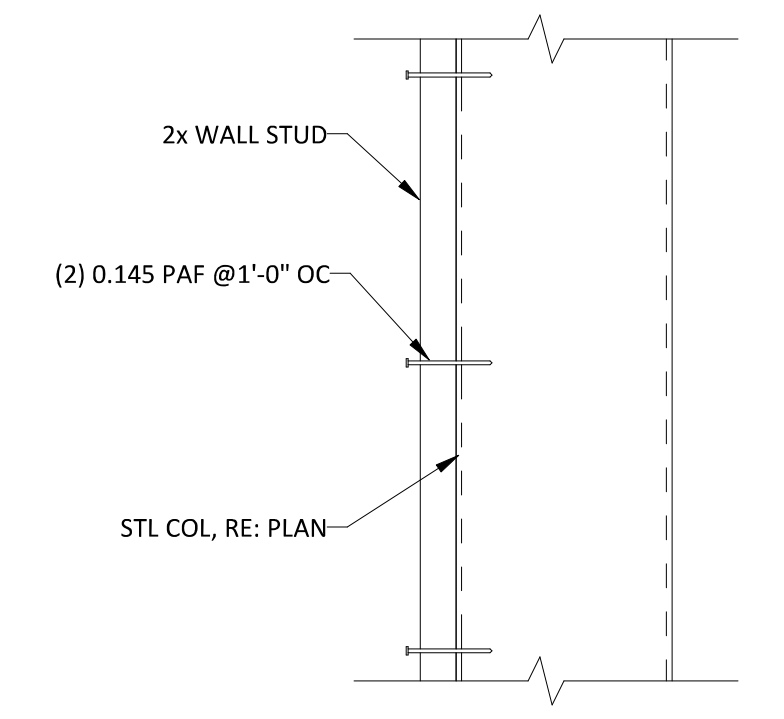
6 TYPICAL SHEARWALL CONSTRUCTION
SCALE: NONE



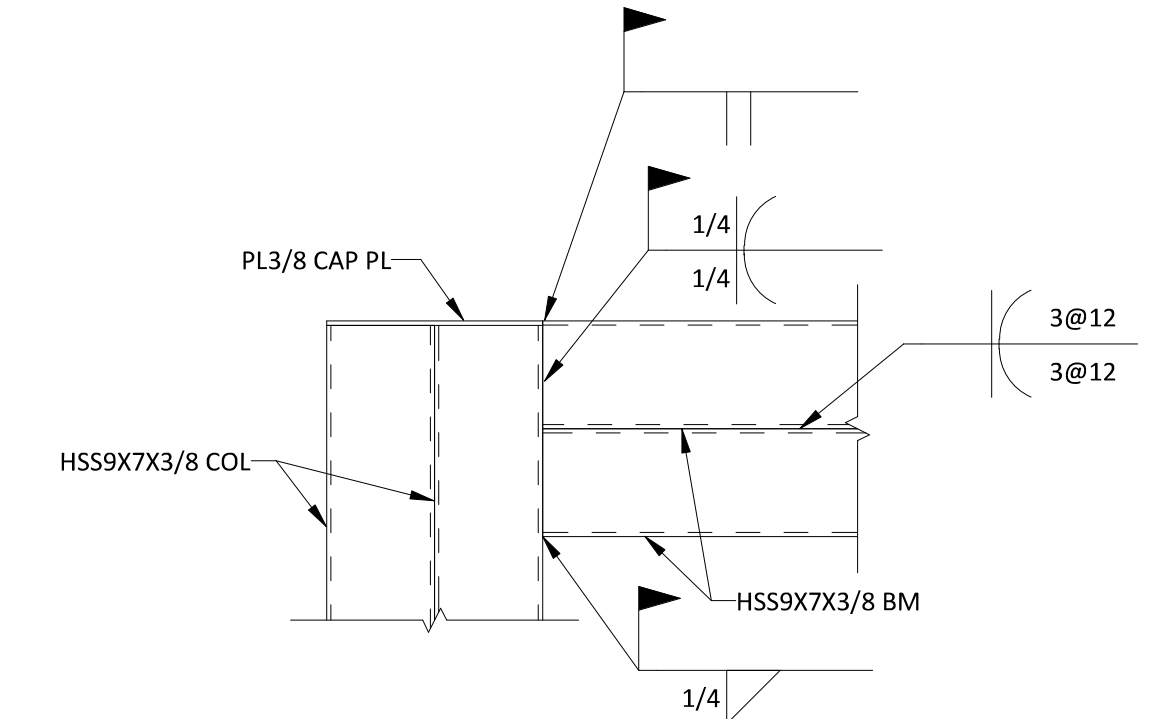
7 TYPICAL CANOPY CONNECTION BLOCKING DETAIL
SCALE: NONE



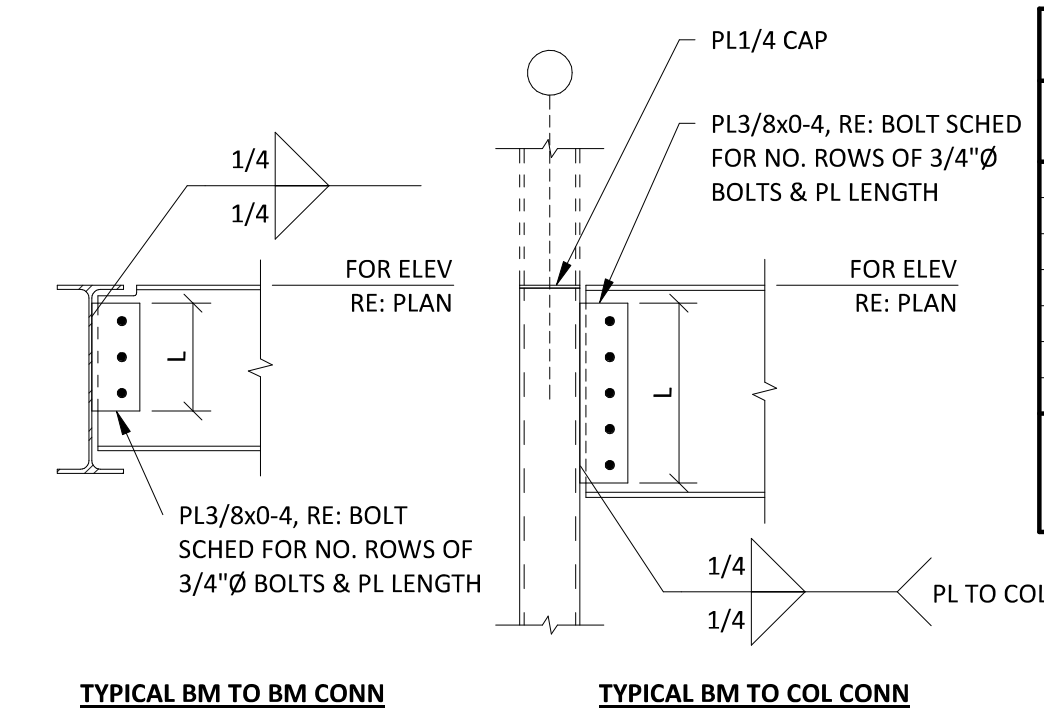
8 TYPICAL SHEAR BLOCKING BETWEEN TRUSSES
SCALE: NONE



9 TYPICAL SHEARWALL TERMINATION AT STEEL COLUMN DETAIL
SCALE: NONE



10 TYPICAL TUBE COLUMN TO BEAM CONNECTION
SCALE: NONE



11 TYPICAL STEEL CONNECTIONS DETAIL (SHEAR TABS)
SCALE: NONE

BOLT SCHEDULE		
CONNECTION BEAM SIZE	LENGTH (L)	(#) ROWS OF BOLTS
W8, W10	6"	2
W12, W14	9"	3
W16	1'-0"	4
W18	1'-3"	5
W21	1'-6"	6
W24, W27	1'-9"	7
W30, W33	2'-6"	10

NOTE: BOLTS SHALL BE 3/4" Ø A325 AT 3" CENTERS, UNLESS NOTED OTHERWISE

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Proj #:01190008.120
Certificate Of Authorization
E-1392
Revit 2023 Local

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STATE OF MISSOURI
KEYNES
WILL PATH
NUMBER PE-2005011704
PROFESSIONAL ENGINEER

CORE & SHELL BUILDING FOR
STREETS OF WEST PRYOR LOT 5
LEE'S SUMMIT, MISSOURI

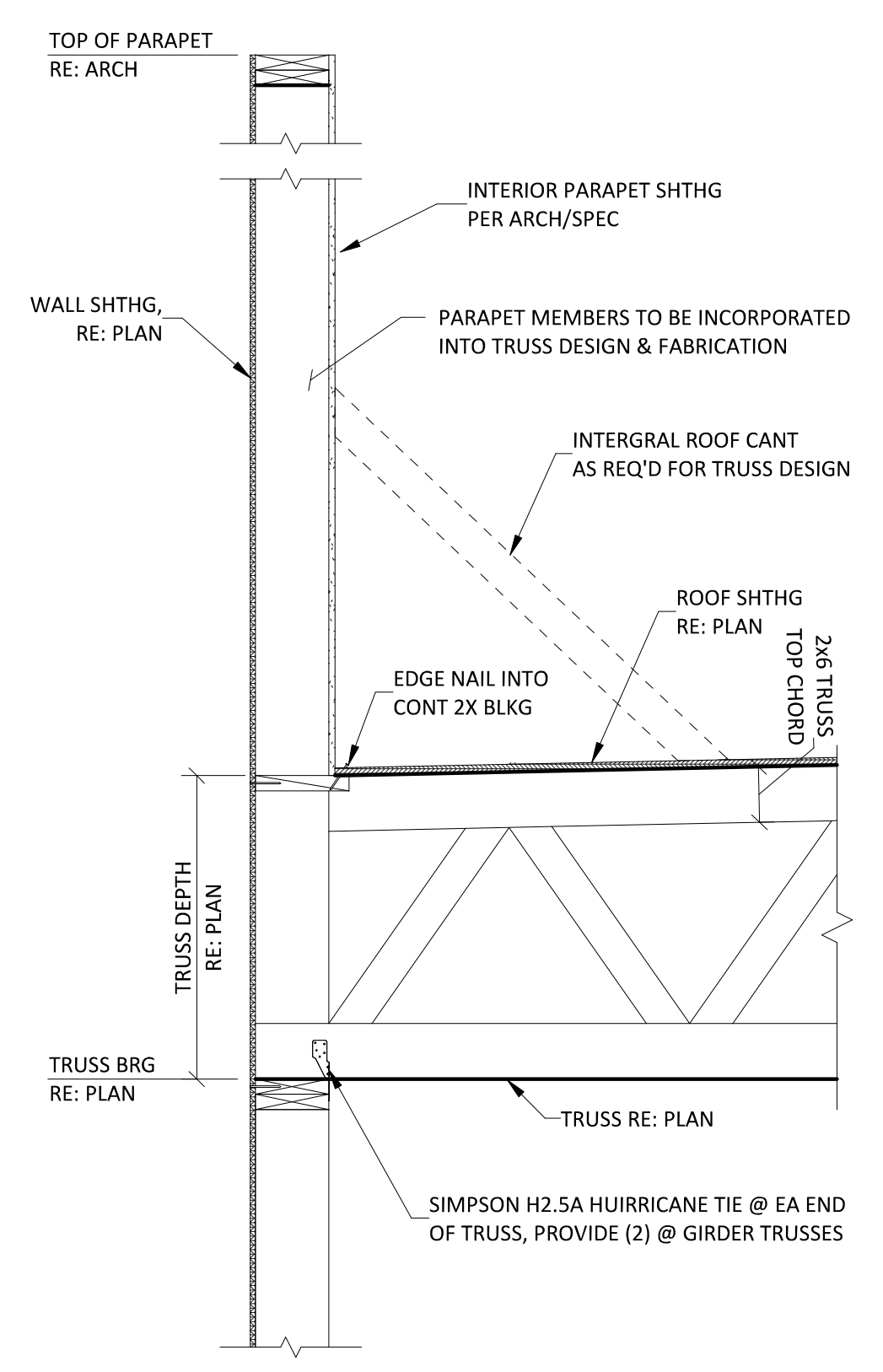
SUBMISSION DATES
2023-05-23

SHEET TITLE
FRAMING DETAILS & SECTIONS I

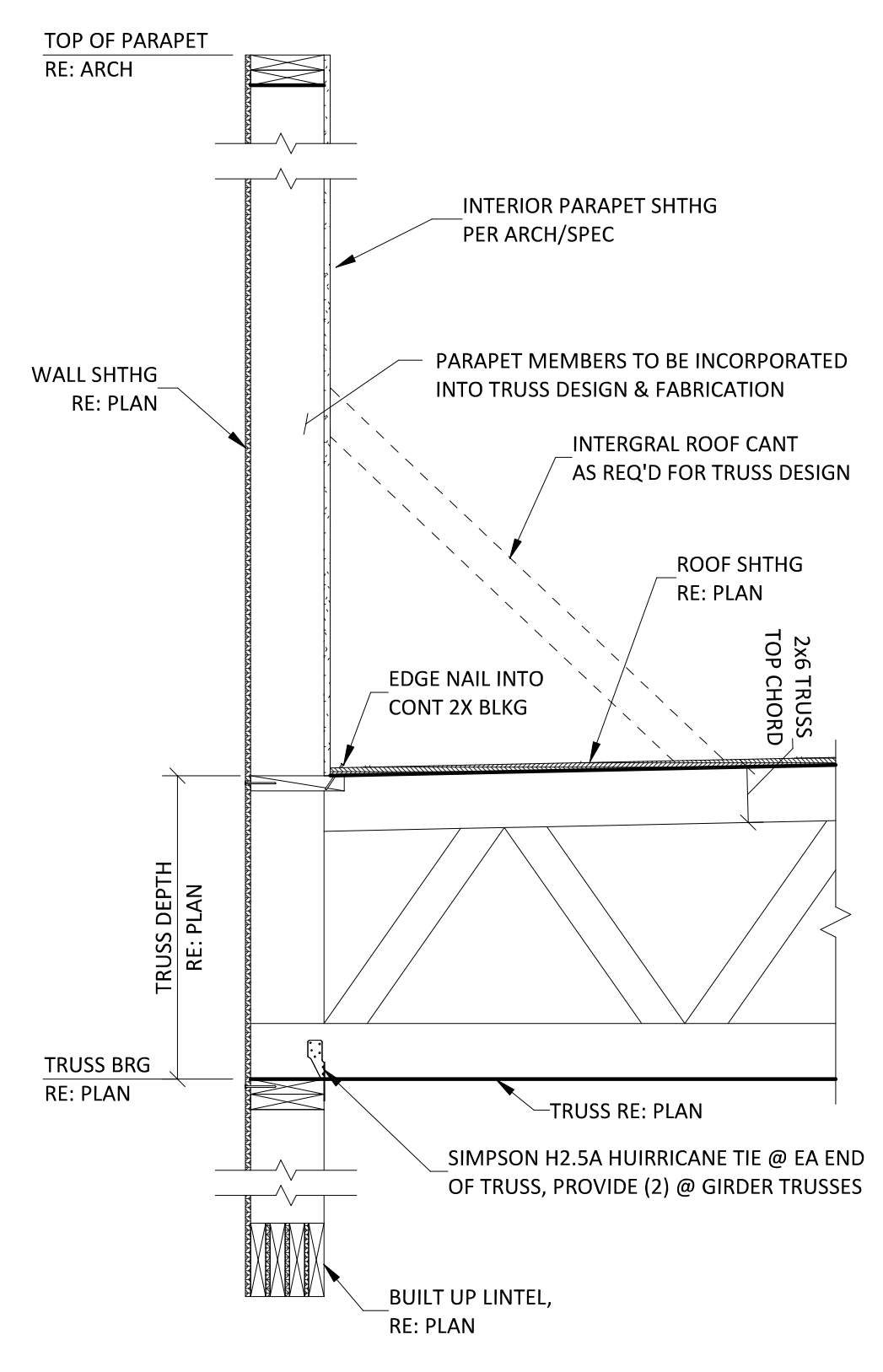
PROJECT NUMBER
230117

SHEET NUMBER
S-601

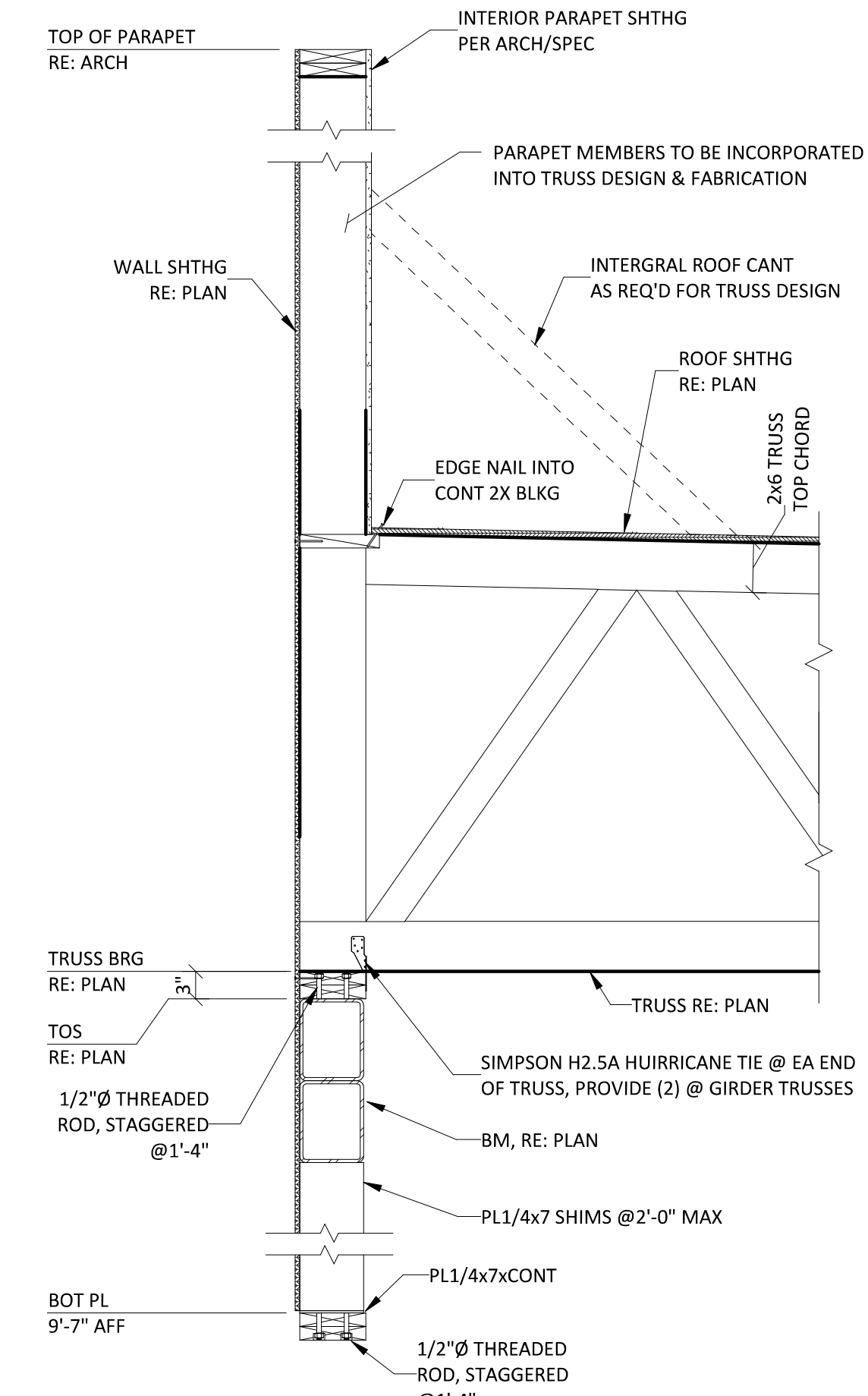
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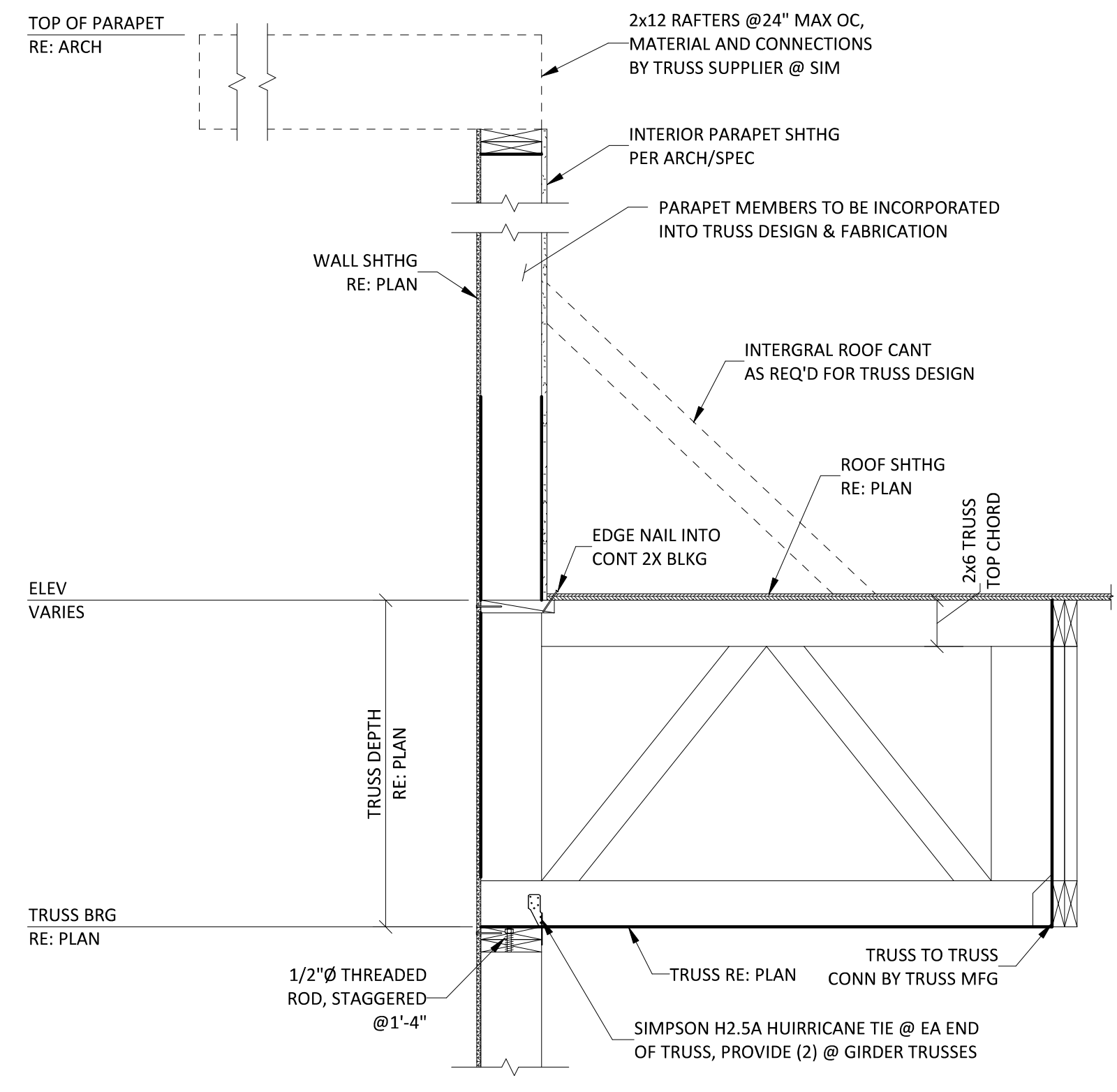
A SECTION SCALE: NONE



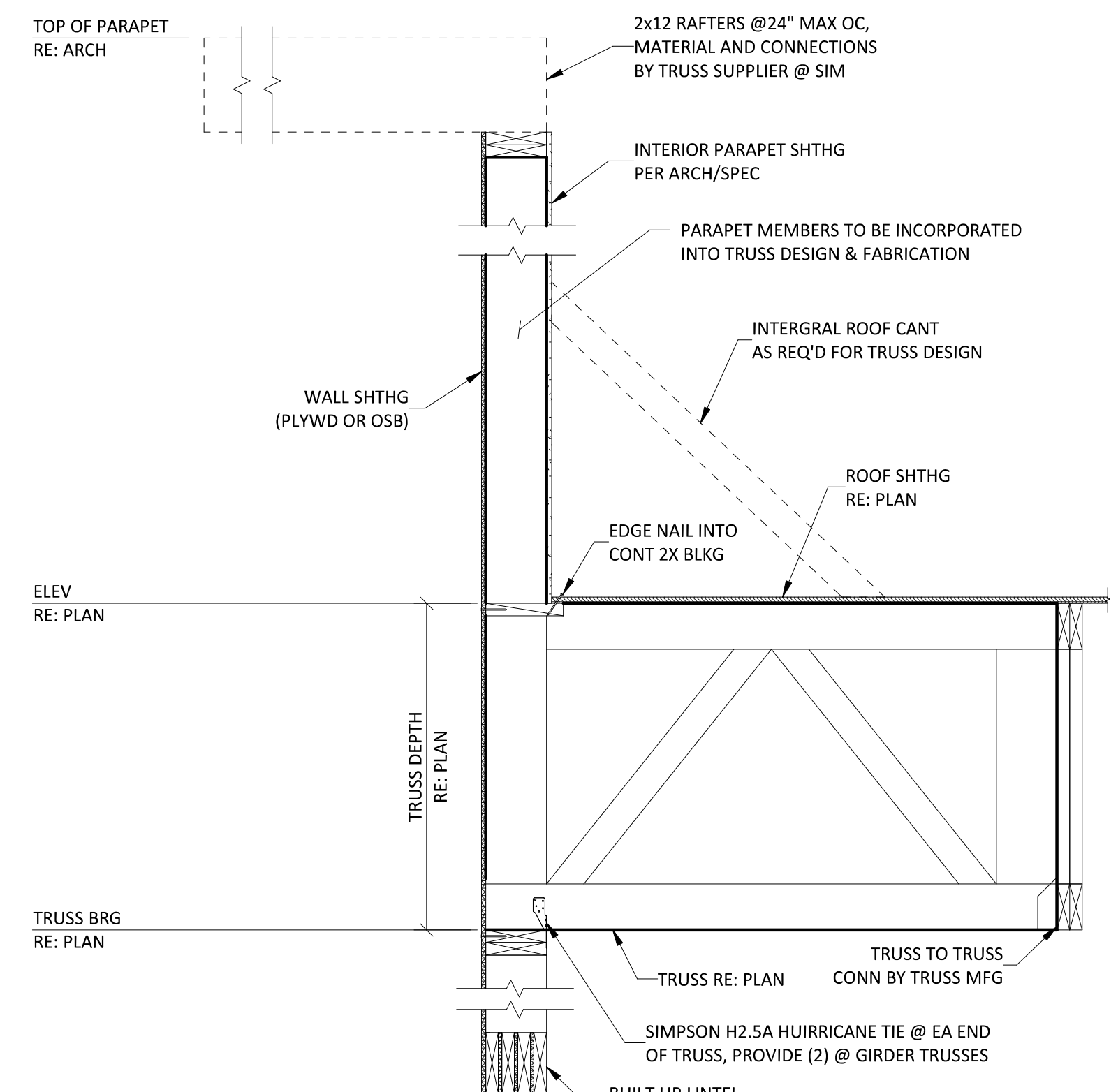
B SECTION SCALE: NONE



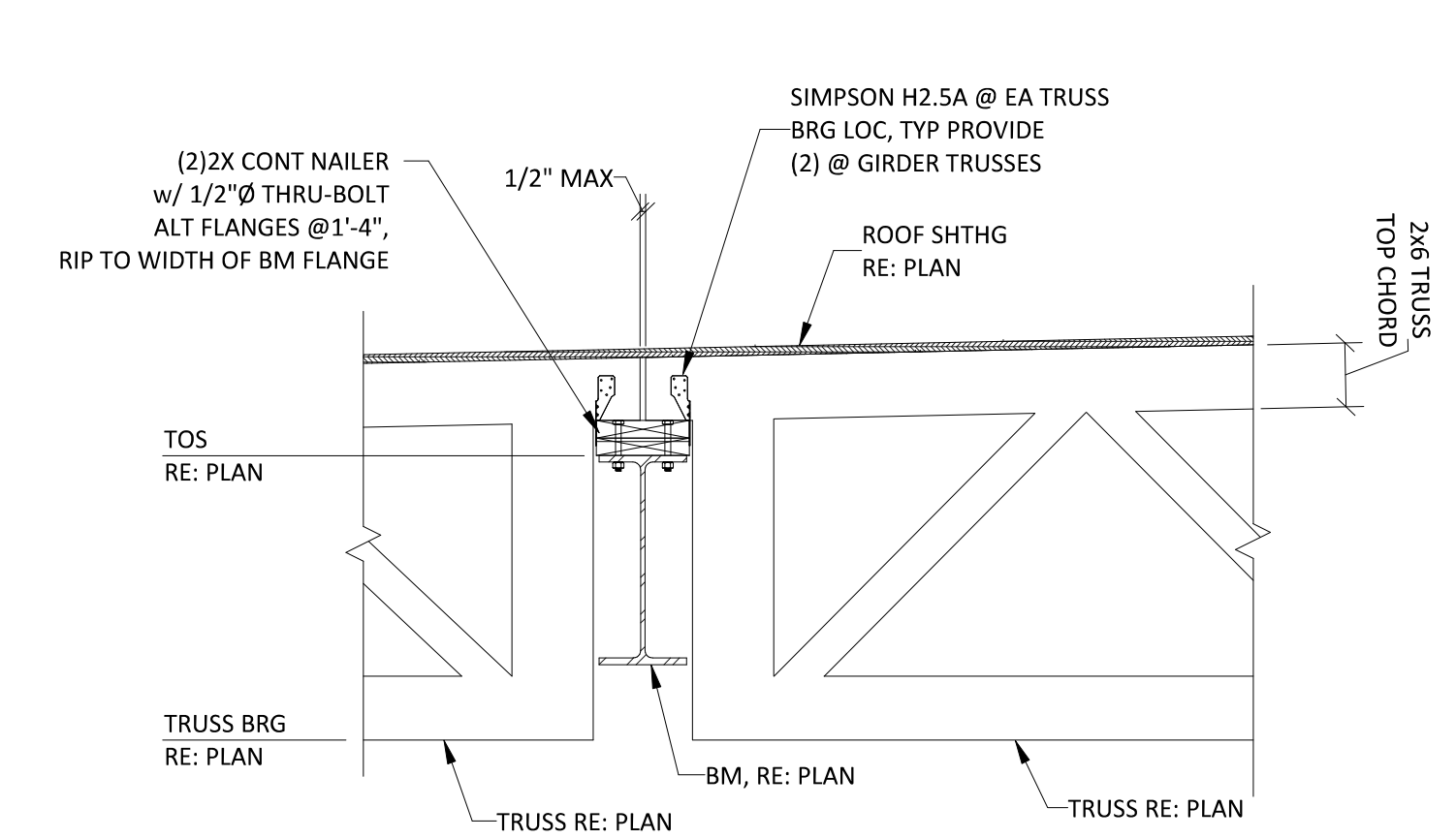
C SECTION SCALE: NONE



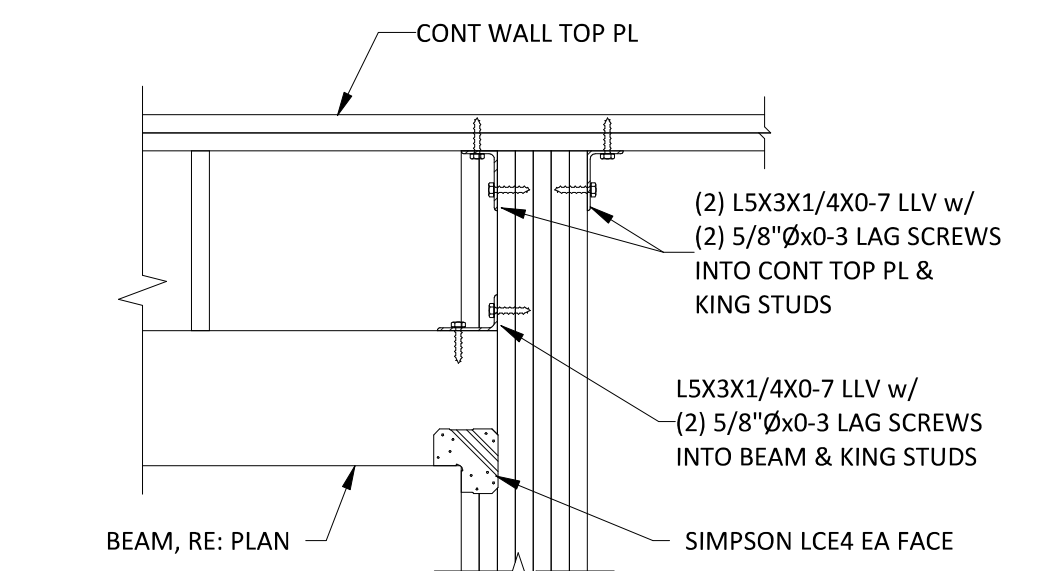
D SECTION SCALE: NONE



E SECTION SCALE: NONE



F SECTION SCALE: NONE



G SECTION SCALE: NONE

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**CORE & SHELL BUILDING FOR
STREETS OF WEST PRYOR LOT 5
LEE'S SUMMIT, MISSOURI**

SUBMISSION DATES
2023-05-23

SHEET TITLE
FRAMING DETAILS &
SECTIONS II

PROJECT NUMBER
230117

SHEET NUMBER
S-602

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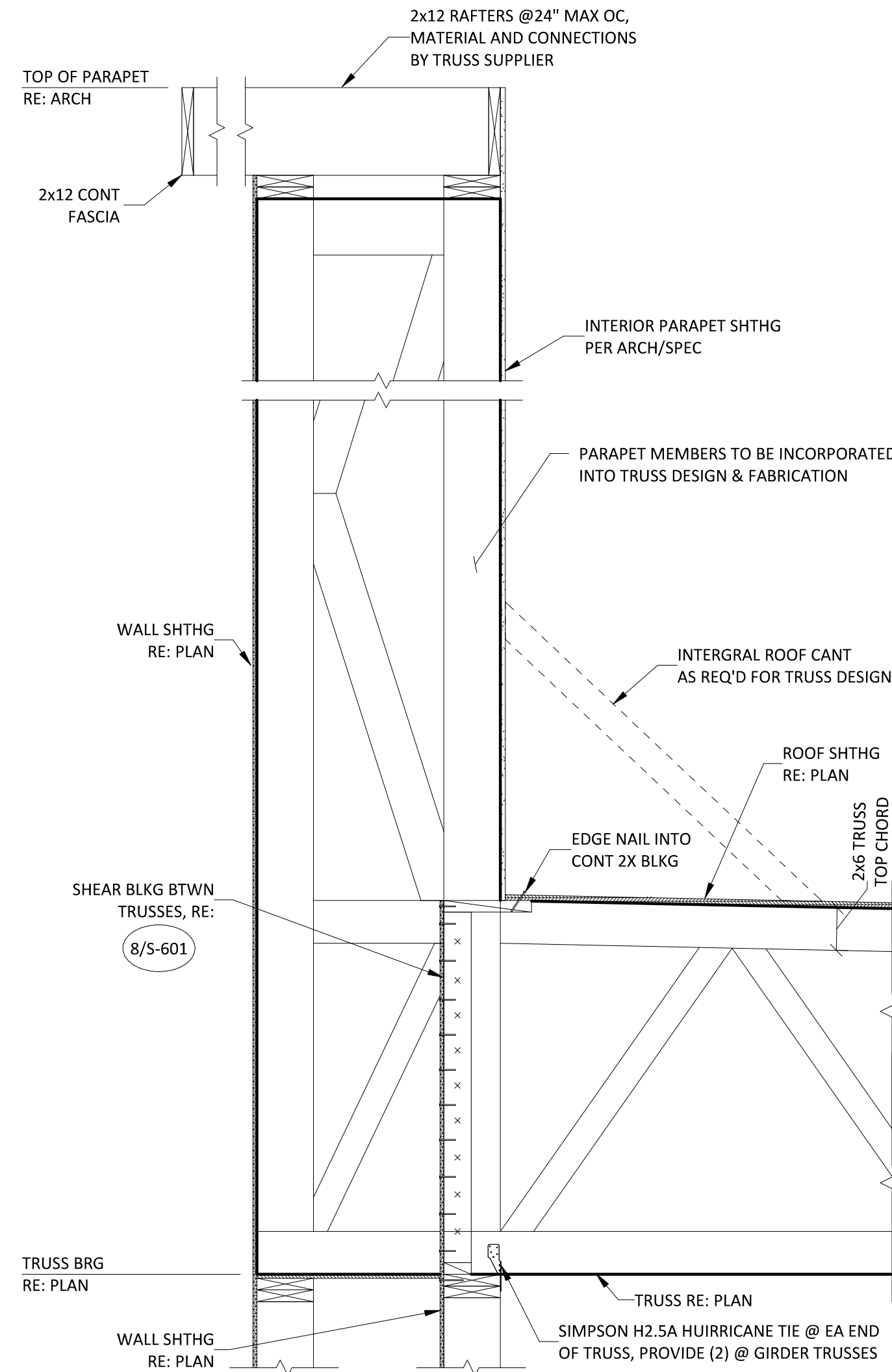
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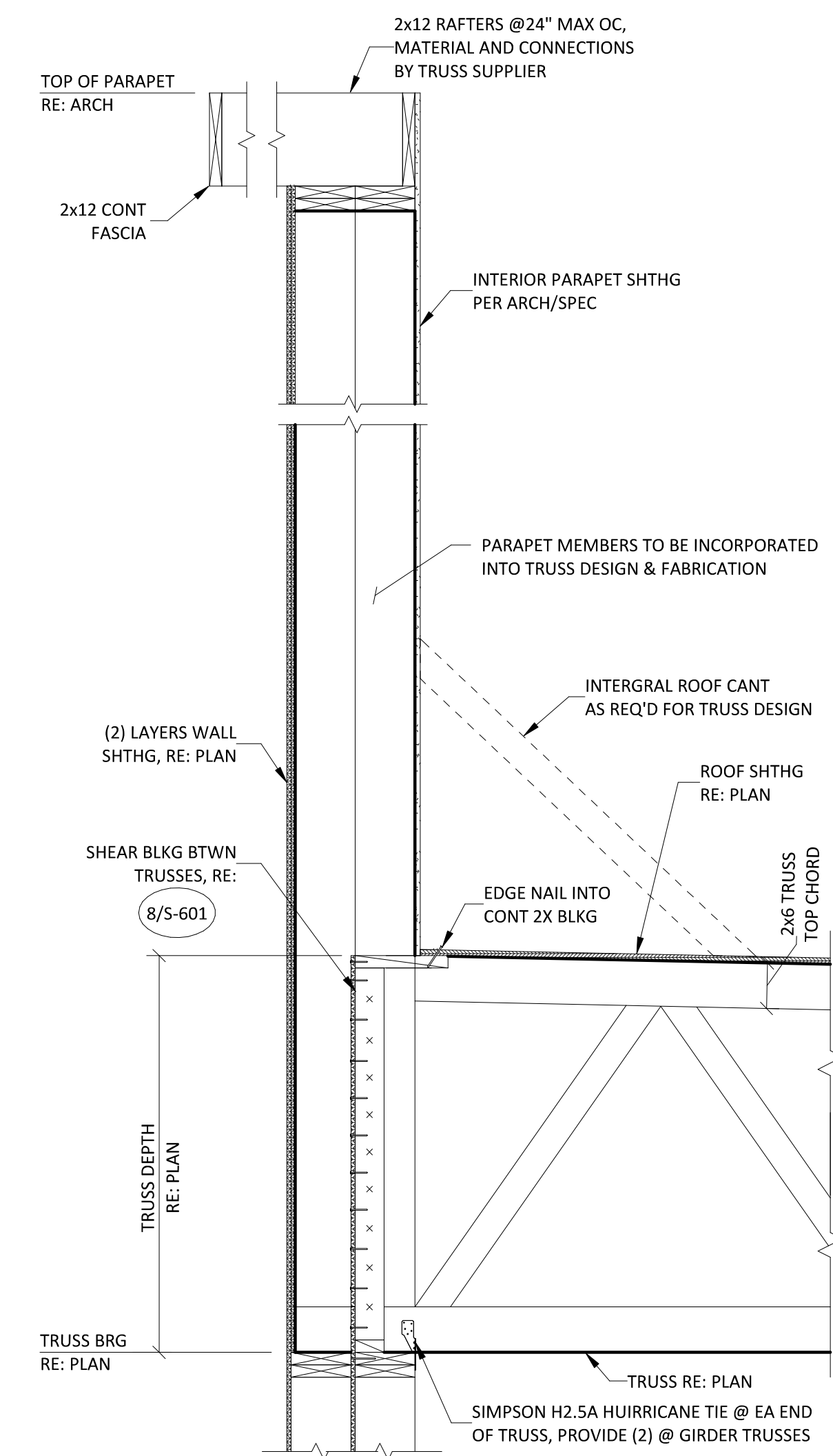
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4

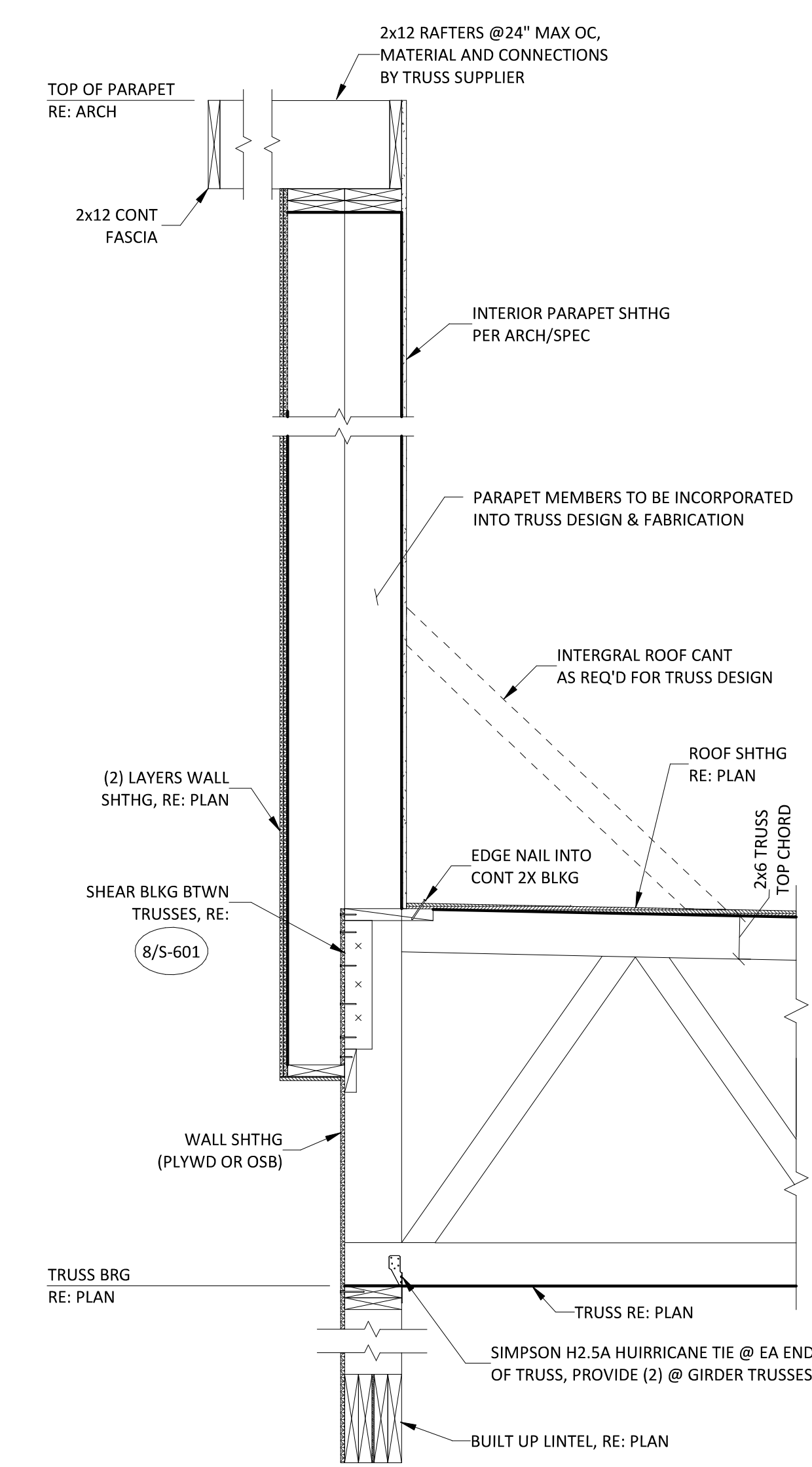
5



(B) SECTION
SCALE: NONE



(C) SECTION
SCALE: NONE



(D) SECTION
SCALE: NONE

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DATE: 5/24/2023 7:32:35 AM
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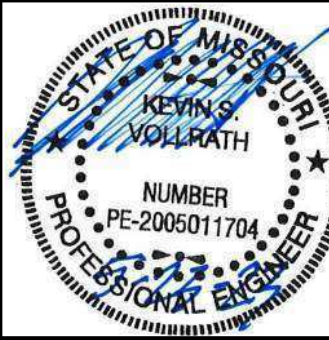
2

3

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**CORE & SHELL BUILDING FOR
STREETS OF WEST PRYOR LOT 5**
LEE'S SUMMIT, MISSOURI

SUBMISSION DATES
2023-05-23

SHEET TITLE
FRAMING DETAILS &
SECTIONS III

PROJECT NUMBER
230117

SHEET NUMBER
S-603

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15000 - MECHANICAL SPECIFICATIONS

SECTION 15000 - MECHANICAL REQUIREMENTS

1. GENERAL REQUIREMENTS
A. ALL WORK SHALL BE IN ACCORDANCE W/ LATEST EDITION OF INTERNATIONAL BUILDING CODE, NATIONAL ELECTRICAL CODE, NFPA CODES AS ADOPTED BY CITY, COUNTY, STATE & ALL OTHER APPLICABLE CODES.

SECTION 15100 - PLUMBING

A. WATER PIPING - ALL WATER PIPING SHALL BE 95-5 TIN-ANTIMONY JOINED TYPE L COPPER. INSULATE W/ FIBERGLASS W/ ASJ & PVC COVERS. THICKNESS IN ACCORDANCE W/ ASHRAE 90.1.

2. VALVES
A. BALL VALVES - 2" & UNDER - BRONZE FULL PORT W/ TEFLON SEATS, BRONZE BALL & INSULATED HANDLE.

FIXTURES - SEE SCHEDULES
A. FIXTURES: AMERICAN STANDARD, KOHLER, CRANE, ZURN, TOTO
B. STAINLESS STEEL FIXTURES: ELKAY, JUST, MOEN COMMERCIAL

A. WATER HEATER - STATE, RHEEM, NATIONAL, A.O. SMITH. PORCELAINIZED GLASSLINED TANK. COLD WATER INLET DROP TUBE. MAGNESIUM ANODE RODS. U.L. SEAL, 160 PSI. FACTORY TEMPERATURE & PRESSURE RELIEF VALVE. N.S.F. CONSTRUCTION. 3 YR WARRANTY.

SECTION 15300 - HVAC GENERAL

A. PROVIDE COMPLETE HVAC SYSTEM AS SHOWN ON DRAWINGS INCLUDING ALL NECESSARY EQUIPMENT, DUCTWORK, DIFFUSERS, GRILLES, & FILTERS. PROVIDE OPERATING & MAINTENANCE INSTRUCTIONS ON ALL EQUIPMENT.

A. ROOFTOP UNITS AS SCHEDULED. EQUIVALENTS BY TRANE, CARRIER, YORK, LENNOX, AAO, DAKIN. MIN 14" ROOF CURB. PROVIDE SLOPED CURB AS REQUIRED FOR LEVEL UNIT INSTALLATION.

EXECUTION
A. COORDINATE W/ E/C TO PROVIDE ALL WIRING BETWEEN EQUIPMENT, DAMPERS, THERMOSTATS & ALL OTHER REQUIRED CONTROLS & DEVICES.

16000 - ELECTRICAL SPECIFICATIONS

SECTION 16000 - ELECTRICAL REQUIREMENTS

GENERAL REQUIREMENTS
A. ALL WORK SHALL BE IN ACCORDANCE W/ LATEST EDITION OF INTERNATIONAL BUILDING CODE, NATIONAL ELECTRICAL CODE, NFPA CODES AS ADOPTED BY CITY, COUNTY, STATE & ALL OTHER APPLICABLE CODES.

SECTION 16100 - CONDUIT & CONDUCTORS

A. FOLLOW CIRCUITING SHOWN ON PLANS. USE NO CONDUIT SMALLER THAN 1/2" & NO CONDUCTORS SMALLER THAN #12 GA. UNLESS NOTED OTHERWISE.

SECTION 16200 - GROUNDING

A. SUPPLEMENT GROUNDED NEUTRAL OF SECONDARY DISTRIBUTION SYSTEM W/ EQUIPMENT GROUNDING SYSTEM. INSTALLED SO THAT METALLIC STRUCTURES, ENCLOSURES, RACKWAYS, JUNCTION BOXES, OUTLET BOXES, CABINETS, MACHINE FRAMES, PORTABLE EQUIPMENT & OTHER CONDUCTIVE ITEMS OPERATE CONTINUOUSLY AT GROUND POTENTIAL & PROVIDE LOW IMPEDANCE PATH FOR GROUND FAULT CURRENTS.

SINGLE PHASE 120 VOLT BRANCH CIRCUITS FOR LIGHTING & POWER SHALL CONSIST OF PHASE A NEUTRAL CONDUCTORS & GREEN GROUND CONDUCTOR INSTALLED IN COMMON CONDUIT WHICH SHALL SERVE AS GROUND CONDUCTOR.

SECTION 16300 - ELECTRICAL EQUIPMENT

A. JUNCTION BOXES & OUTLET BOXES SHALL BE GALVANIZED KNOCKOUT TYPE. LIGHTING FIXTURE BOXES IN CEILINGS SHALL NOT BE LESS THAN 4" OCTAGONAL KNOCKOUT TYPE.

SECTION 16350 - ELECTRICAL IDENTIFICATION

A. MANUFACTURED LABELS FOR EACH PANELBOARD & TRANSFORMER. TYPEWRITTEN PANEL SCHEDULES MOUNTED IN PANELS.

SECTION 16400 - WIRING DEVICES

A. CONVENIENCE OUTLETS - SPEC GRADE 20 AMP DUPLEX W/ GROUND & SS WALL PLATES. OTHER OUTLETS SHALL BE VERIFIED W/ EQUIPMENT SUPPLIERS FOR PROPER NEMA CONFIGURATIONS.

EXECUTION
A. ALL OUTLETS, SHALL BE MOUNTED W/ BOTTOM AT 18" AFF & SWITCHES W/ BOTTOM AT 44" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE ON PLANS.

SECTION 16500 - LED LUMINAIRES

A. PROVIDE LIGHTING FIXTURES W/ ALL ACCESSORIES REQ'D FOR HANGING. COORD MOUNTING OF LIGHTING FIXTURES W/ ARCHITECT & G/C. ADDITIONAL FIXTURE SUPPORTS SHALL BE PROVIDED BY E/C.

ABBREVIATIONS

Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Includes entries like A/E ARCHITECT / ENGINEER, AFF ABOVE FINISHED FLOOR, AFG ABOVE FINISHED GRADE, etc.

ELECTRICAL SYMBOL LEGEND

SOME SYMBOLS AND ABBREVIATIONS ON THIS LEGEND MAY NOT BE USED

Diagrammatic legend for electrical symbols. Categories include CIRCUITING, UTILITIES, LIGHTING, EQUIPMENT, FIRE ALARM, GENERAL SYMBOLS, and POWER DEVICES. Includes symbols for HOME RUN, UNDERGROUND ELECTRICAL, SURFACE RECESSED LIGHT FIXTURE, DISCONNECT SWITCH, etc.

MECHANICAL AND PLUMBING SYMBOL LEGEND

SOME SYMBOLS AND ABBREVIATIONS ON THIS LEGEND MAY NOT BE USED

Diagrammatic legend for mechanical and plumbing symbols. Categories include SHEET METAL, PLUMBING FIXTURES/EQUIPMENT, GENERAL SYMBOLS, MECHANICAL PIPING, PLUMBING PIPING, and PIPING SPECIALTIES. Includes symbols for HIGH EFFICIENCY ROUND DUCT TAKEOFF, CONICAL BELLMOUTH ROUND TAKEOFF, RETURN GRILLE, etc.



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Bryan Lewis, Engineer
MOR PE-20200297

CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
2070 NW LOWENSTEIN DR, LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

Table with 2 columns: Submission Dates. Includes dates: MAY 23, 2023; JUNE 12, 2023-REV 1; JULY 7, 2023-ASI 2; AUGUST 7, 2023-ASI 4; FEB 19, 2024 - ASI 5.

SHEET TITLE
MECHANICAL AND ELECTRICAL SPECIFICATIONS

PROJECT NUMBER
230117

SHEET NUMBER
ME-101



PEARSON KENT MCKINLEY RAAF ENGINEERS LLC
2949 SW WANAMAKER DR., TOPEKA, KANSAS 66614
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FIRE SEALING NOTES

- COORDINATE CONSTRUCTION OF OPENINGS AND PENETRATING ITEMS TO ENSURE THAT THROUGH-PENETRATION FIRESTOP SYSTEMS ARE INSTALLED ACCORDING TO SPECIFIED AND APPLICABLE UL REQUIREMENTS.
- COORDINATE SIZING OF SLEEVES, OPENINGS, CORE-DRILLED HOLES, OR CUT OPENINGS TO ACCOMMODATE THROUGH-PENETRATION FIRESTOP SYSTEMS.
- DO NOT COVER UP THROUGH-PENETRATION FIRESTOP SYSTEM INSTALLATIONS UNTIL EXAMINED BY INSPECTOR, IF REQUIRED BY AUTHORITIES HAVING JURISDICTION.
- COMPATIBILITY: PROVIDE THROUGH-PENETRATION FIRESTOP SYSTEMS THAT ARE COMPATIBLE WITH ONE ANOTHER, WITH THE SUBSTRATES FORMING OPENINGS, AND WITH THE ITEMS, IF ANY, PENETRATING THROUGH-PENETRATION FIRESTOP SYSTEMS, UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY THROUGH-PENETRATION FIRESTOP SYSTEM MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE.
- PROVIDE COMPONENTS FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM THAT ARE NEEDED TO INSTALL FILL MATERIALS. USE ONLY COMPONENTS SPECIFIED BY THROUGH-PENETRATION FIRESTOP SYSTEM MANUFACTURER AND APPROVED BY QUALIFIED TESTING AND INSPECTING AGENCY FOR FIRESTOP SYSTEMS INDICATED.
- PROVIDE SLEEVES THROUGH ALL FIRE-RATED WALLS AND FILL VOIDS SURROUNDING SLEEVES AND INTERIOR TO SLEEVES AROUND PIPING WITH FIRE STOP PUTTY WITH UL LISTED 3 HOUR RATING INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
- FIRE SEAL ALL PIPING, CONDUIT, CABLE, ETC PENETRATIONS ROUTED THROUGH FIRE RATED WALLS.
- PROVIDE FIRE RATED ENCLOSURES OR WRAPS ON LIGHT FIXTURES AND OTHER ITEMS PENETRATING FIRE RATED CEILING, FLOOR/CEILING/CEILING/ROOF ASSEMBLIES TO MAINTAIN UL LISTING FOR CONSTRUCTION.

GENERAL ELECTRICAL NOTES

- COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, LOCAL AND STATE CODES, AND REQUIREMENTS OF THE AHJ.
- COORDINATE LOCATIONS OF RECEPTACLES, SWITCHES, ETC. WITH ARCHITECTURAL CASEWORK AND DETAILS.
- REFER TO MOUNTING HEIGHTS DETAIL FOR MOUNTING HEIGHTS OF ALL DEVICES NOT INDICATED OTHERWISE.
- PROVIDE ALL EMPTY CONDUITS WITH PULL STRINGS AND BUSHED ENDS.
- CONTRACTOR SHALL CONCEAL ALL CONDUIT, FITTINGS, AND DEVICES FROM VIEW WHERE REASONABLY POSSIBLE.

GENERAL NOTES

- SOME ROOM NAMES MAY NOT BE SHOWN FOR PURPOSE OF CLARIFYING PLAN. REFER TO ARCHITECTURAL PLANS FOR REFERENCE TO ROOM NAMES NOT SHOWN.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AND KEEP AT THE JOB SITE, AN UP TO DATE SET OF "RECORD DRAWINGS" SHOWING ALL CHANGES FROM THE ORIGINAL PLANS. THE CONTRACTOR SHALL DELIVER THE "RECORD DRAWINGS" TO THE ENGINEER AT THE CONCLUSION OF THE PROJECT ELECTRONICALLY.
- THESE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS (NEW AND EXISTING), DIMENSIONS, AND CLEARANCES PRIOR TO THE COMMENCEMENT OF WORK AND SHALL INCLUDE ALL COSTS, EQUIPMENT, MATERIAL ACCESSORIES, ETC. REQUIRED FOR A FULLY COMPLETE, FUNCTIONAL AND CODE COMPLIANT INSTALLATION.
- FINAL LOCATIONS OF ALL DEVICES, LIGHT FIXTURES, EQUIPMENT ETC SHALL BE INDICATED ON THE ARCHITECTURAL DRAWINGS. ALL DIMENSIONAL INFORMATION SHALL BE OBTAINED FROM ARCHITECTURAL PLANS. NO DIMENSIONAL INFORMATION SHALL BE OBTAINED FROM MEP DRAWINGS.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, APPROVALS, LICENSES, ETC. AS NEEDED FOR THE COMPLETE INSTALLATION AND PROJECT. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR ALL FEES AND DATA NEEDED FOR THIS.

GEN. MECHANICAL NOTES

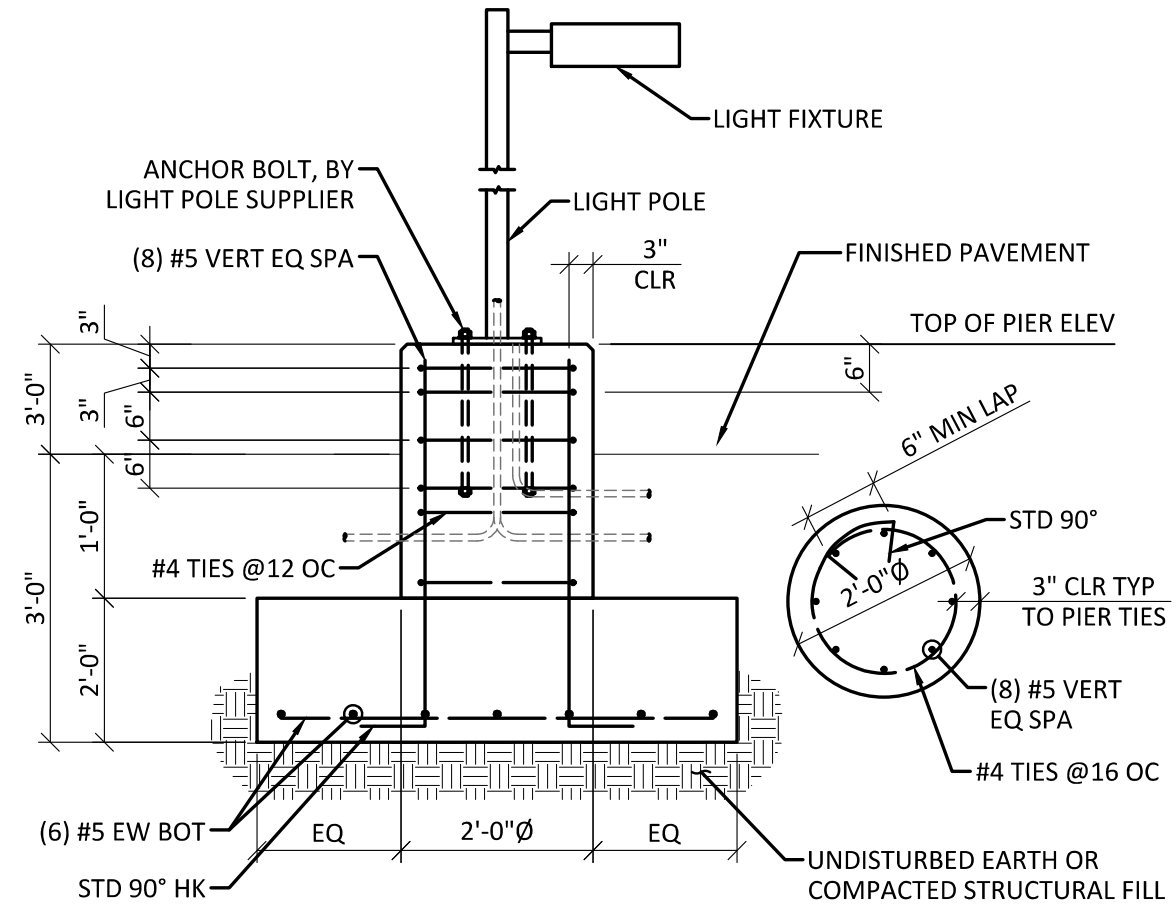
- COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE INTERNATIONAL MECHANICAL CODE, LOCAL AND STATE CODES, AND REQUIREMENTS OF THE AHJ.
- ANY POWER FOR CONTROL SYSTEMS TO BE PROVIDED BY E/C IS INDICATED ON ELECTRICAL PLANS. ANY ADDITIONAL LINE VOLTAGE OR LOW VOLTAGE POWER REQUIRED BY THE M/C OR SUBCONTRACTORS TO HAVE A FULLY FUNCTIONING SYSTEM SHALL BE PROVIDED BY THE M/C CONTRACTOR OR SUBS.
- ALL EQUIPMENT SHALL BE ADEQUATELY AND PROPERLY SUPPORTED AND FASTENED FROM STRUCTURE.
- ALL EQUIPMENT AND ACCESSORIES INSTALLED IN CONCEALED SPACES REQUIRING ACCESS SHALL BE PROVIDED WITH ACCESS DOORS MEETING ANY FIRE REQUIREMENTS OF THE WALL/CEILING THEY ARE INSTALLED.
- EACH AIR HANDLING UNIT OVER 2000CFM SHALL BE PROVIDED WITH A SMOKE DETECTOR TO SHUT DOWN THE UNIT PER IMC 606 AS REQUIRED BY AHJ. COORDINATE WITH OTHER TRADES.
- START UP AND ADJUST ALL EQUIPMENT AND VERIFY ALL MECHANICAL SYSTEMS IN OPERATE IN ACCORDANCE WITH THEIR INTENDED PURPOSES. SUBMIT BALANCE AND START UP REPORTS TO THE A/E. REFER TO SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.

GENERAL PLUMBING NOTES

- COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE INTERNATIONAL PLUMBING CODE, LOCAL AND STATE CODES, AND REQUIREMENTS OF THE AHJ.
- NO PIPING SHALL BE INSTALLED WHERE IT WILL SUBJECT TO FREEZING TEMPERATURES. PIPING IN EXTERIOR WALLS SHALL BE INSTALLED ON THE WARM SIDE OF BUILDING INSULATION, INSULATED AND THE CHASE SHALL BE VENTILATED WITH GRILLES ALLOWING INDOOR AMBIENT CONDITIONS TO CIRCULATE THROUGH THE CHASE.
- PROVIDE CLEANOUTS IN THE FOLLOWING LOCATIONS:
 - IN ALL HORIZONTAL DRAINS (WITHIN THE BUILDING) NOT MORE THAN 100 FEET APART.
 - IN BUILDING SEWERS LOCATED NO MORE THAN 100 FEET APART MEASURED FROM THE UPSTREAM ENTRANCE OF THE CLEANOUT.
 - EACH CHANGE OF DIRECTION OF THE BUILDING DRAIN OR HORIZONTAL WASTE OR SOIL LINES GREATER THAN 45 DEGREES WHERE MORE THAN ONE CHANGE OF DIRECTION OCCURS IN A RUN OF PIPING, ONLY ONE CLEANOUT SHALL BE REQUIRED FOR EACH 40 FEET OF DEVELOPED LENGTH OF THE DRAINAGE PIPING.
 - AT THE BASE OF EACH WASTE OR SOIL STACK.
 - NEAR THE JUNCTION OF THE BUILDING DRAIN AND BUILDING SEWER.

COORDINATION NOTES

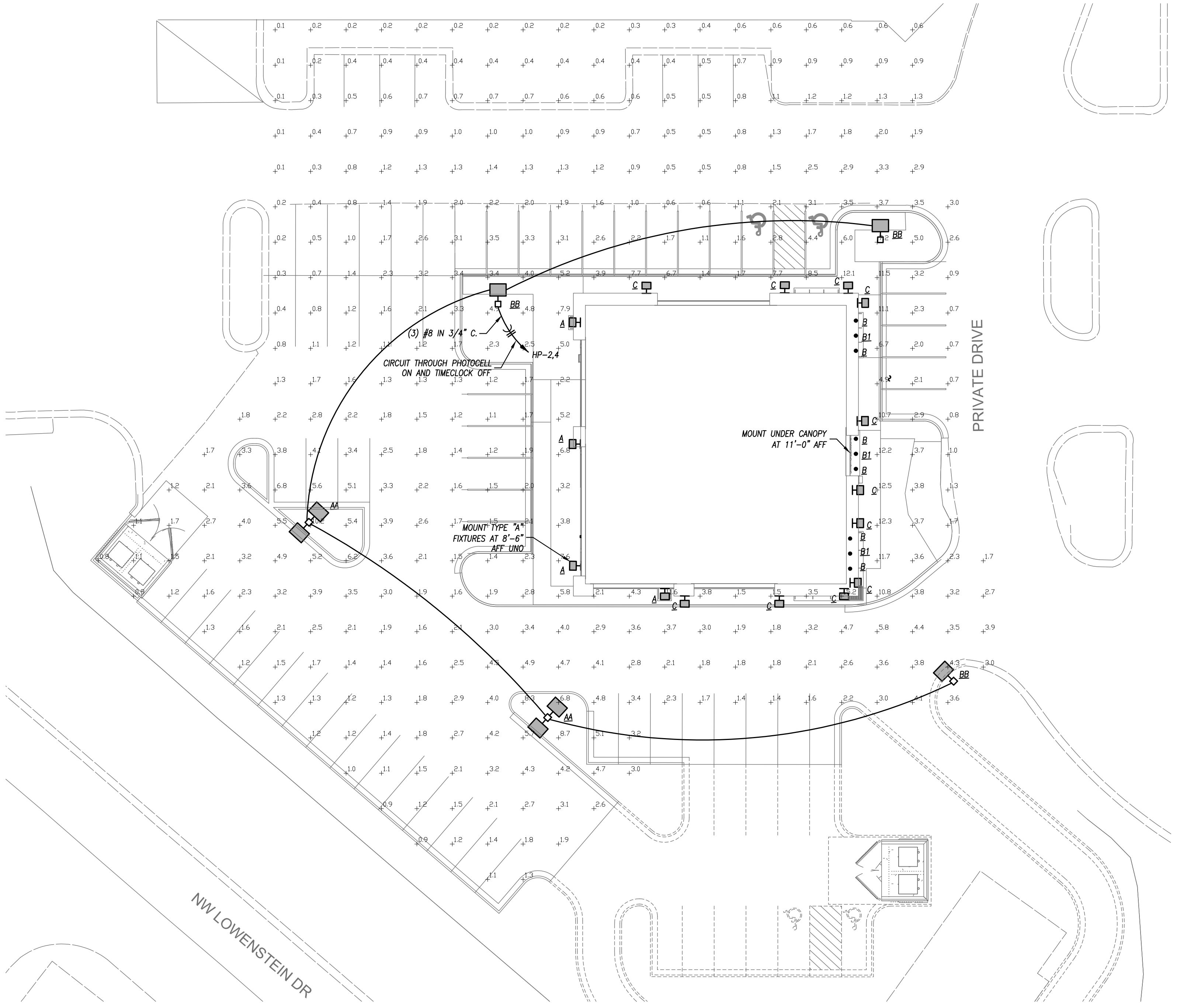
- COORDINATE REQUIREMENTS FOR INSTALLATION OF SYSTEMS AND EQUIPMENT WITH ALL OTHER TRADES.
- THE CONTRACTOR SHALL COORDINATE THE ROUTING AND PATH OF ALL SYSTEMS, CONDUITS, PIPES, DUCTS, ETC WITH THE POSITION AND LAYOUT OF THE STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING NECESSARY OFFSETS, TURNS, RISERS AND DROPS FOR SYSTEMS AND COMPONENTS AS NEEDED TO INSTALL THE MEP SYSTEMS TO CLEAR STRUCTURE, CEILING, ETC AND OTHER SYSTEMS IN POTENTIAL CONFLICT WITH ROUTING.
- COORDINATE WORK WITH OTHER TRADES TO INSTALL SYSTEMS ABOVE CEILING HEIGHTS INDICATED ON ARCHITECTURAL PLANS.
- CHECK SPACE REQUIREMENTS WITH OTHER TRADES AND STRUCTURE/CONSTRUCTION TO INSURE THAT ALL MATERIALS AND EQUIPMENT CAN BE INSTALLED IN THE SPACE ALLOTTED INCLUDING FINISHED SUSPENDED CEILING AND OTHER SPACES, CHASES, ETC WITHIN THE BUILDING. MAKE MODIFICATIONS THERETO AS REQUIRED AND APPROVED.
- TRANSMIT TO OTHER TRADES ALL INFORMATION REQUIRED FOR WORK TO BE PROVIDED UNDER THEIR RESPECTIVE SECTIONS IN AMPLIE TIME FOR INSTALLATION.
- WHEREVER WORK INTERCONNECTS WITH WORK OF OTHER TRADES, COORDINATE WITH THOSE TRADES TO INSURE THAT ALL SUBCONTRACTORS HAVE THE INFORMATION NECESSARY SO THAT THEY MAY PROPERLY INSTALL ALL CONNECTIONS AND EQUIPMENT. IDENTIFY ALL ITEMS OF WORK THAT REQUIRE ACCESS SO THAT THE CEILING TRADE WILL KNOW WHERE TO INSTALL ACCESS DOORS AND PANELS.
- COORDINATE, PROJECT AND SCHEDULE WORK WITH OTHER TRADES IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE.
- DRAWINGS SHOW THE GENERAL RUNS OF CONDUITS, PIPING AND DUCTWORK AND APPROXIMATE LOCATION OF OUTLETS. ANY SIGNIFICANT CHANGES IN LOCATION OF ITEMS NECESSARY IN ORDER TO MEET FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER AND RECEIVE HIS APPROVAL BEFORE SUCH ALTERATIONS ARE MADE. ALL SUCH MODIFICATIONS SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND REPAIR OF SURFACES, AREAS AND PROPERTY THAT MAY BE DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.
- ADJUST LOCATION OF PIPING, DUCTWORK, ETC. TO PREVENT INTERFERENCES, BOTH ANTICIPATED AND ENCOUNTERED. DETERMINE THE EXACT ROUTE AND LOCATION OF EACH ITEM PRIOR TO FABRICATION. MAKE OFFSETS, TRANSITIONS AND CHANGES IN DIRECTION IN SYSTEMS AS REQUIRED TO MAINTAIN ADEQUATE CLEARANCES AND HEADROOM.
- WHEREVER THE WORK IS OF SUFFICIENT COMPLEXITY, PREPARE ADDITIONAL COORDINATION DRAWINGS AND ORGANIZE ON-SITE MEETINGS WITH ALL RELATED SUBCONTRACTORS TO COORDINATE THE WORK BETWEEN TRADES. DRAWINGS SHALL CLEARLY SHOW THE WORK AND ITS RELATION TO THE WORK OF OTHER TRADES, AND BE SUBMITTED FOR REVIEW PRIOR TO COMMENCING SHOP FABRICATION OR ERECTION IN THE FIELD.
- COORDINATE WITH LOCAL UTILITY PROVIDERS FOR THEIR REQUIREMENTS FOR SERVICE CONNECTIONS AND PROVIDE ALL NECESSARY PAYMENTS, MATERIALS, LABOR AND TESTING TO ACCOMPLISH THE WORK.



TYPICAL LIGHT POLE BASE DETAIL
SCALE: NONE

PLAN MARK	MANUFACTURER	MODEL NUMBER	MOUNTING	FINISH	LAMP CODE	LAMP QUANTITY	NOTES
AA	MCGRAW-EDISON	GALN-SA2C-740-U-T4FT-20180 DEG	20' POLE	BRONZE	216 LED PER HEAD	2	1,2,3,5
BB	MCGRAW-EDISON	GALN-SA2C-740-U-T4FT	20' POLE	BRONZE	216 LED PER HEAD	1	1,2,3,5
A	LITHONIA	WPX1-LED-P2-30K-MVOLT-E14WC-DBBXD	WALL/SURFACE	BRONZE	24W LED	-	1,2
B	GREEN CREATIVE	12NCDRL6DM/930/EXT	RECESSED	BLACK	12W LED	-	1,2,3,6
B1	GREEN CREATIVE	12NCDRL6DM/930/EXT-EM	RECESSED	BLACK	12W LED	-	1,2,3,4,6
C	AFX	BMW517800L30MVZ	WALL/SURFACE	BRONZE	1,800 LUMENS/19W	-	1,2

- NOTES LEGEND
- PROVIDE WET LOCATION RATED FIXTURE
 - PROVIDE COLD LOCATION RATED DRIVER
 - PROVIDE SQUARE STRAIGHT STEEL POLE RATED FOR 100 MPH WIND GUSTS, PRIMED AND PAINTED TO MATCH FIXTURE
 - PROVIDE EMERGENCY BATTERY
 - PROVIDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION.
 - PROVIDE WEATHER PROOF JUNCTION BOX FOR DRIVERS AND ELECTRICAL CONNECTIONS ABOVE SOFFIT.



SITE PLAN - LIGHTING
DATE: 7-2023

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STATE OF MISSOURI
PROFESSIONAL ENGINEER
BRYAN LEINWETTER
NUMBER PE-2020020297
Bryan Leinwetter, Engineer
MO# PE-2020020297

CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
2070 NW LOWENSTEIN DR, LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
MAY 23, 2023
JUNE 12, 2023-REV 1
JULY 7, 2023-ASI 2
AUGUST 7, 2023-ASI 4
FEB 19, 2024 - ASI 5

SHEET TITLE
SITE PHOTOMETRIC
PLAN AND GENERAL
NOTES

PROJECT NUMBER
230117

SHEET NUMBER
ME-201

pkmr
ENGINEERS
PEARSON KENT MCKINLEY RAAF ENGINEERS LLC
2949 SW WAMMAKER DR., TOPEKA, KANSAS 66614
785.273.2447 WWW.PKMR.ENG.COM

FILE PATH:
DATE:
DRAWN BY:

1

2

3

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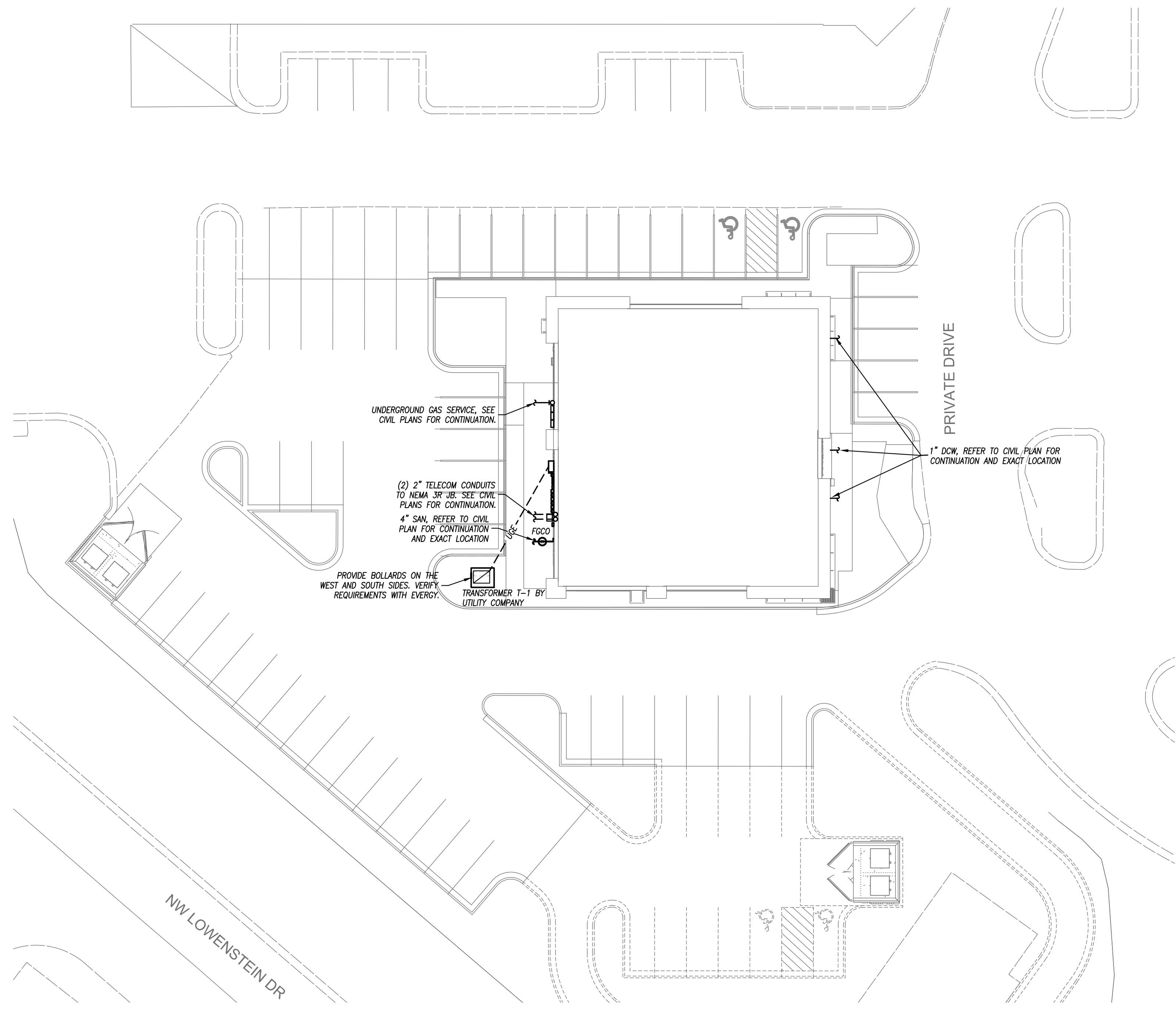
5

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SITE PLAN - MEP
SCALE: 1/8" = 1'-0"

pkmr
ENGINEERS
PEARSON KENT MCKINLEY RAAF ENGINEERS LLC
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oklahoma city, ok 73102
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Bryan Leinwetter - Engineer
MO# PE-2020020297

**CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5**
2070 NW LOWENSTEIN DR, LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
MAY 23, 2023
JUNE 12, 2023-REV 1
JULY 7, 2023-ASI 2
AUGUST 7, 2023-ASI 4
FEB 19, 2024 - ASI 5, 6

SHEET TITLE
SITE MEP PLAN

PROJECT NUMBER
230117

SHEET NUMBER
ME-202

FILE PATH:
DATE:
DRAWN BY:

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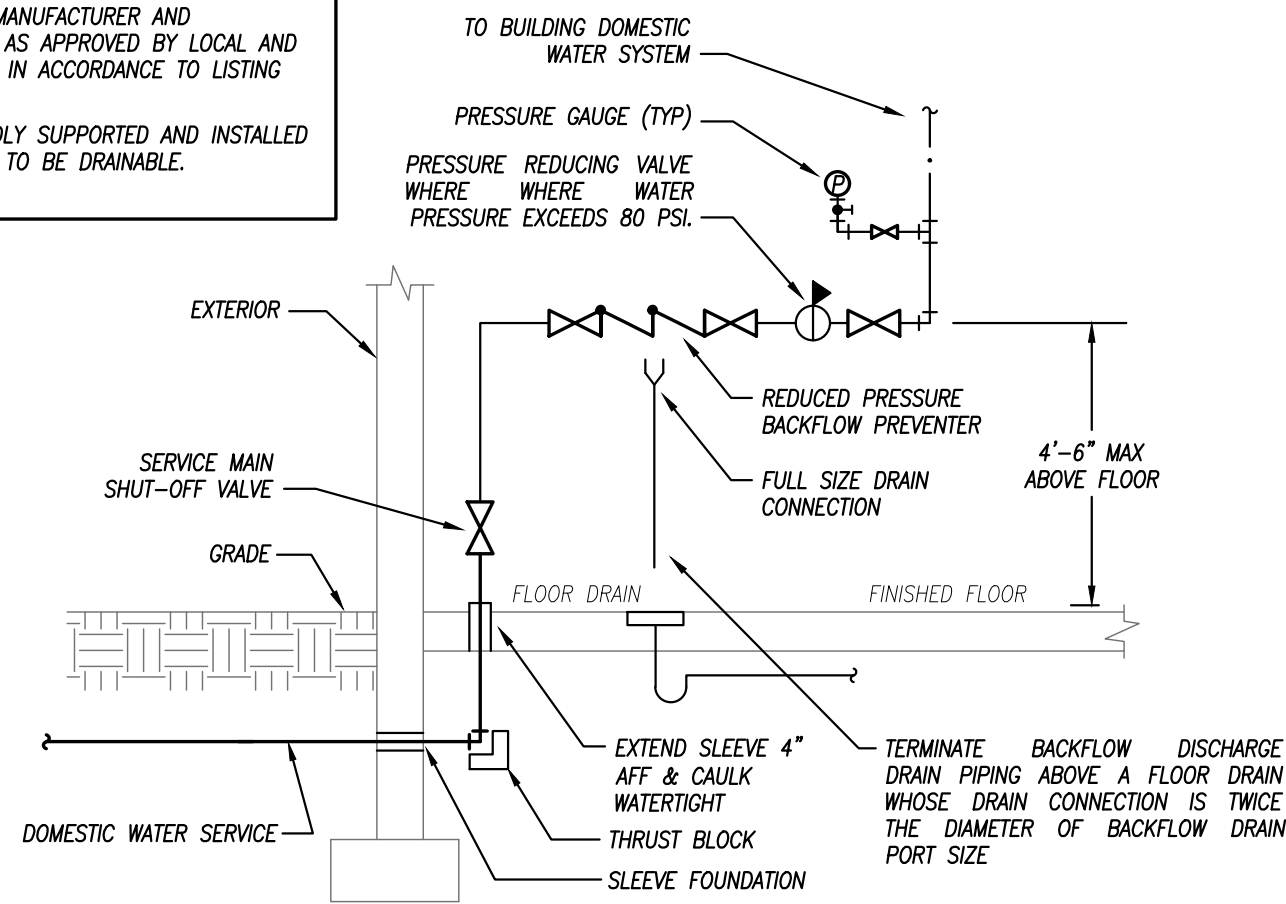
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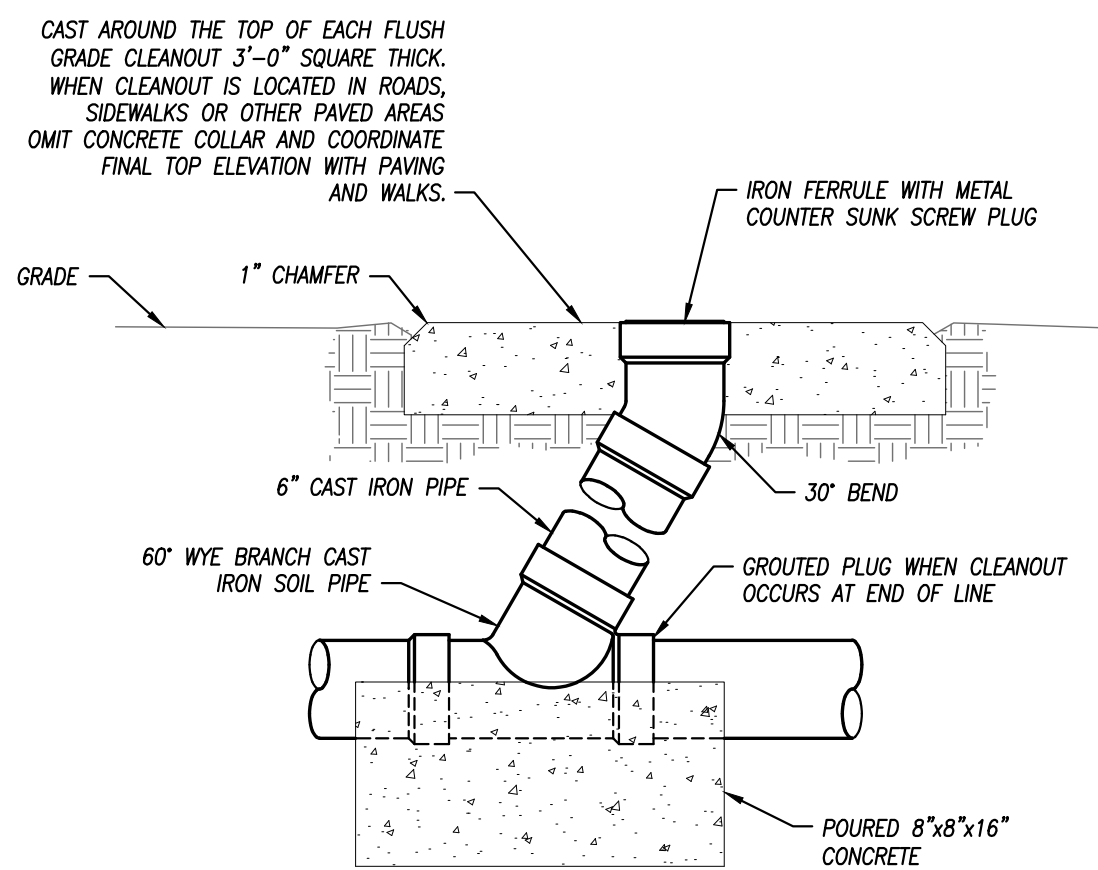
FLOOR DRAIN SCHEDULE						
PLAN MARK	MANUFACTURER	MODEL NUMBER	SERVICE	TOP/GRADE SIZE	WASTE SIZE	REMARKS
FD-1	WADE	1100	FLOOR DRAIN	6"	3"	1

REMARKS:
1. PROVIDE WITH NICKEL BRONZE TOP AND TRAP SEAL.

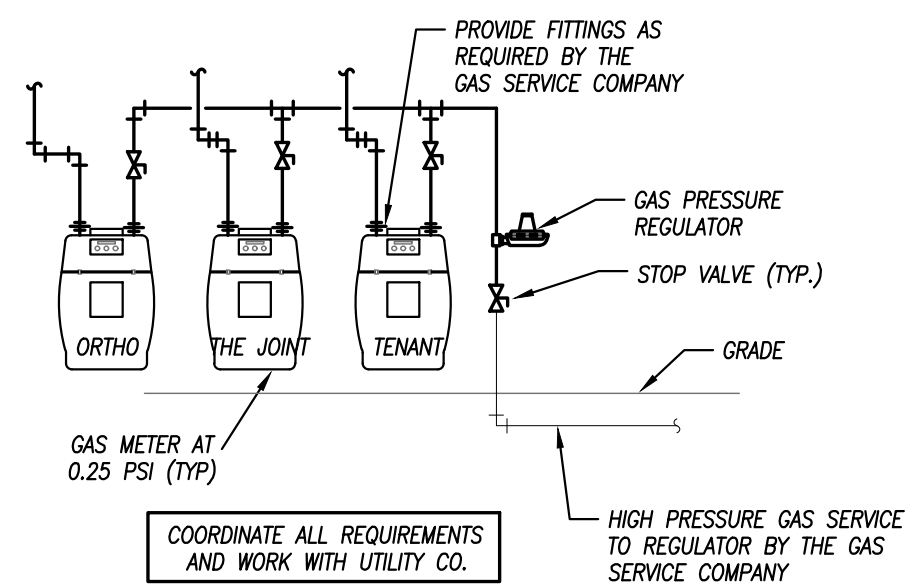
NOTES:
1. BACKFLOW PREVENTER MANUFACTURER AND INSTALLATION SHALL BE AS APPROVED BY LOCAL AND STATE AUTHORITIES AND IN ACCORDANCE TO LISTING OF DEVICE.
2. ALL PIPING TO BE RIGIDLY SUPPORTED AND INSTALLED IN SUCH A MANNER AS TO BE DRAINABLE.



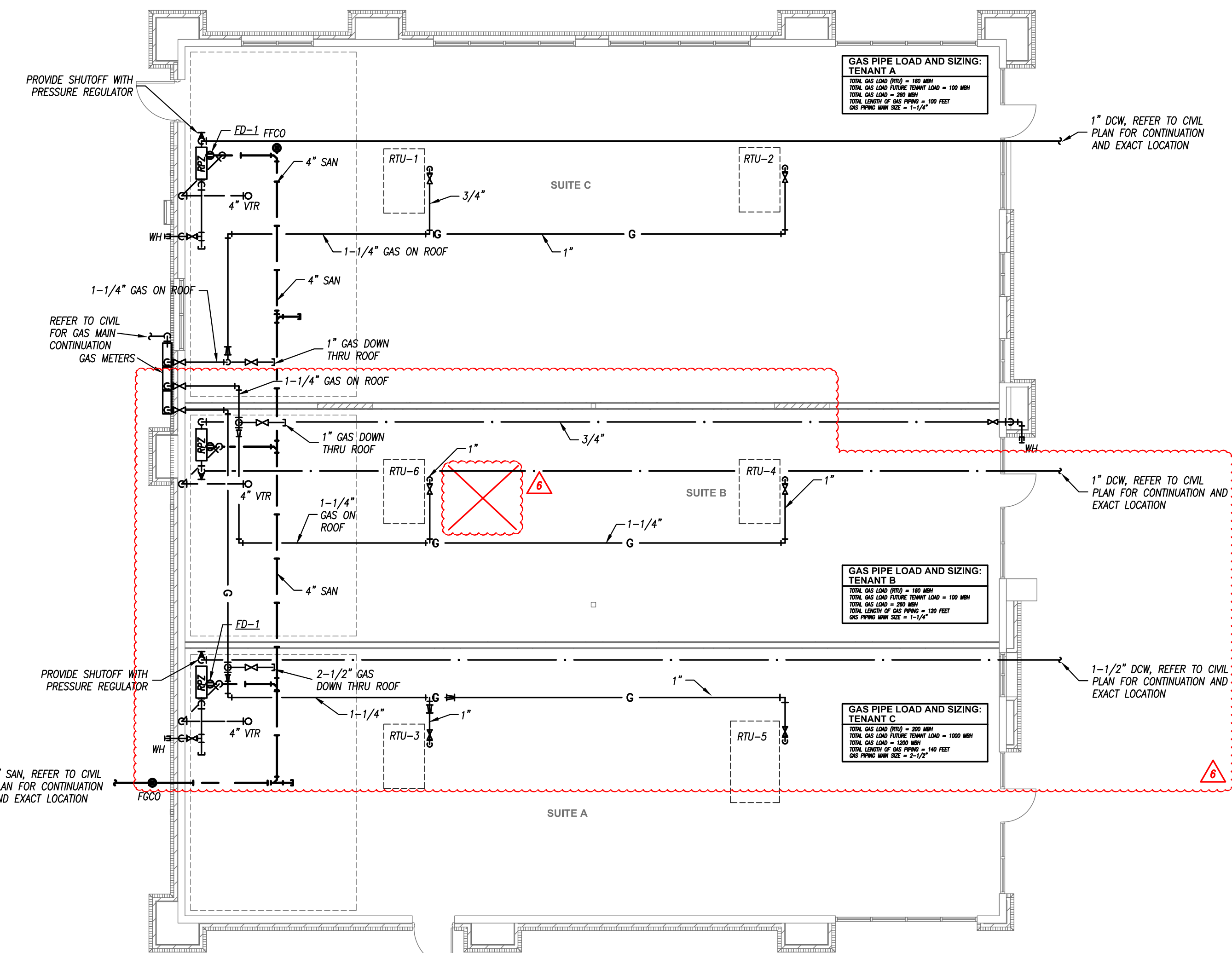
WATER SERVICE REDUCED PRESSURE BACKFLOW PREVENTER DETAIL
NOT TO SCALE



FLUSH GRADE CLEANOUT DETAIL
NOT TO SCALE



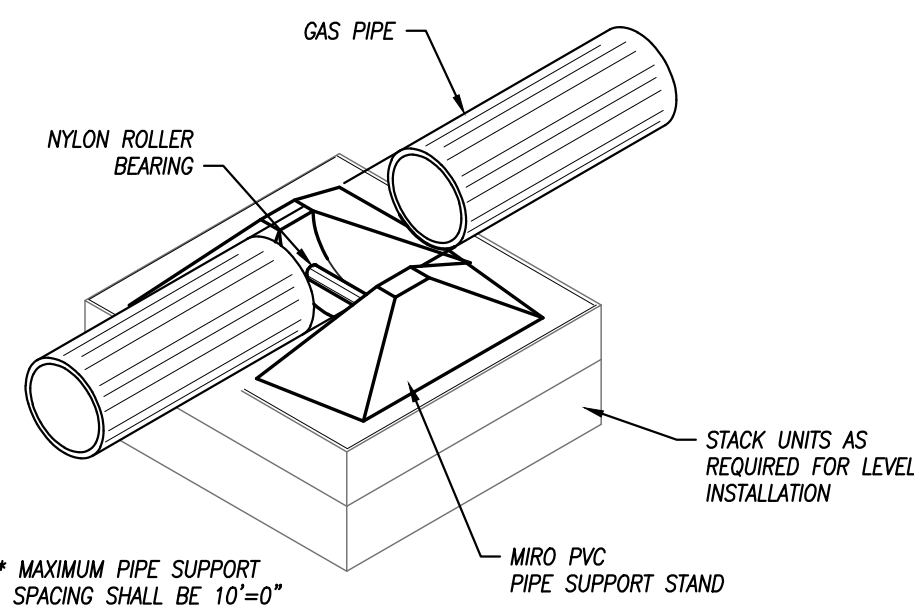
GAS SERVICE DETAIL
NOT TO SCALE



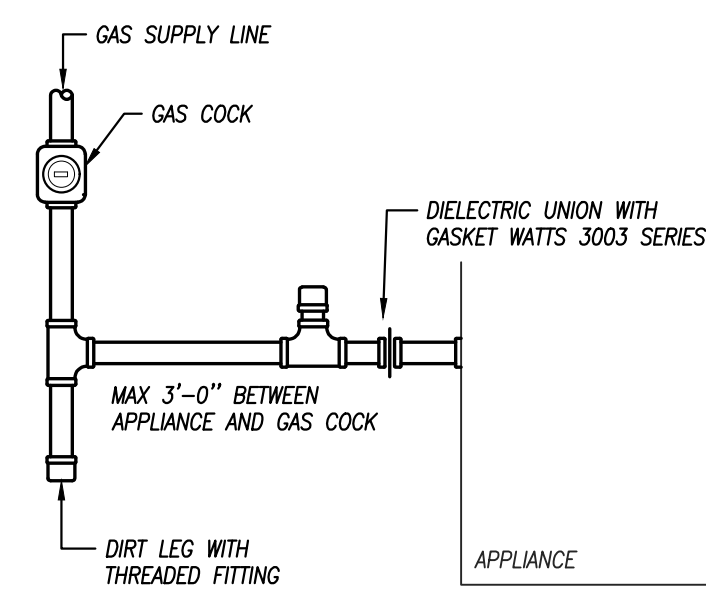
FLOOR PLAN - PLUMBING
SCALE: 1/8" = 1'-0"

PIPING MATERIAL & INSULATION SCHEDULE								
PIPING SYSTEM	SIZE	TYPE/SCHED	MATERIAL	ACCEPTABLE FITTINGS	FIELD TEST PRESSURE/TIME	ALLOWABLE IN PLENUMS	INSULATION	
							TYPE	THICKNESS
DOMESTIC COLD WATER	1/2"-2-1/2"	L	COPPER	SOLDER, PRO-PRESS	130 PSI - 1/2HR	YES	FIBERGLASS W/ ASJ	1/2"
DOMESTIC HOT WATER & HW RETURN	1/2"-2-1/2"	L	COPPER	SOLDER, PRO-PRESS	130 PSI - 1/2HR	YES	FIBERGLASS W/ ASJ	1"
NATURAL GAS - ABOVE GRADE	2-1/2" & Up	SCH. 40	STEEL- SEEMED	WELDED	75 PSI - 1HR	YES	----	----
NATURAL GAS - ABOVE GRADE	1/2"-2"	SCH. 40	STEEL- SEAMLESS	THREADED IRON	75 PSI - 1HR	YES	----	----
SOIL & WASTE BELOW GRADE	2"-8"	SCH. 40	PVC	SOLVENT JOINED	10 FT - 1/2HR	NO	----	----
DOM. WATER SERVICE BELOW GRADE	4"-8"	AWWA C151	DUCTILE IRON	AWWA C111, MECH JOINTS	130 PSI - 1/2HR	YES	----	----
DOM. WATER SERVICE BELOW GRADE	1"-3"	K	COPPER	CONTINUOUS TUBING, BRAZED	130 PSI - 1/2HR	YES	----	----
DOM. WATER SERVICE BELOW GRADE	1"-3"	DR 9	HDPE	CONTINUOUS TUBING, FUSED	130 PSI - 1/2HR	NO	----	----

NOTES:
1. ALL PIPING AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/50.
2. ALL INSULATION THICKNESSES SHALL MEET ASHRAE 90.1 - 2007 REQUIREMENTS AT A MINIMUM.
3. REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION.



ROOF SUPPORT FOR GAS LINE
NOT TO SCALE



TYPICAL GAS CONNECTION
NOT TO SCALE

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BRYAN LEINWETTER
PROFESSIONAL ENGINEER
NUMBER PE-2020020297
MOR PE-2020020297

CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
2070 NW LOWENSTEIN DR, LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES	
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FEB 19, 2024 - ASI 5	6

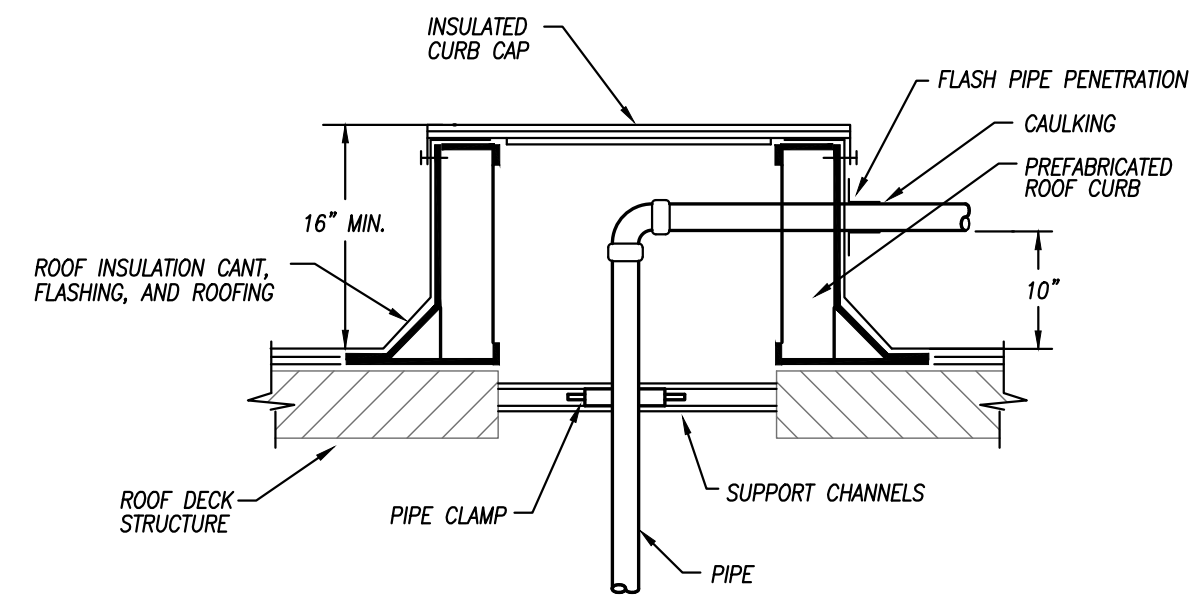
SHEET TITLE
PLUMBING FLOOR PLAN

PROJECT NUMBER
230117

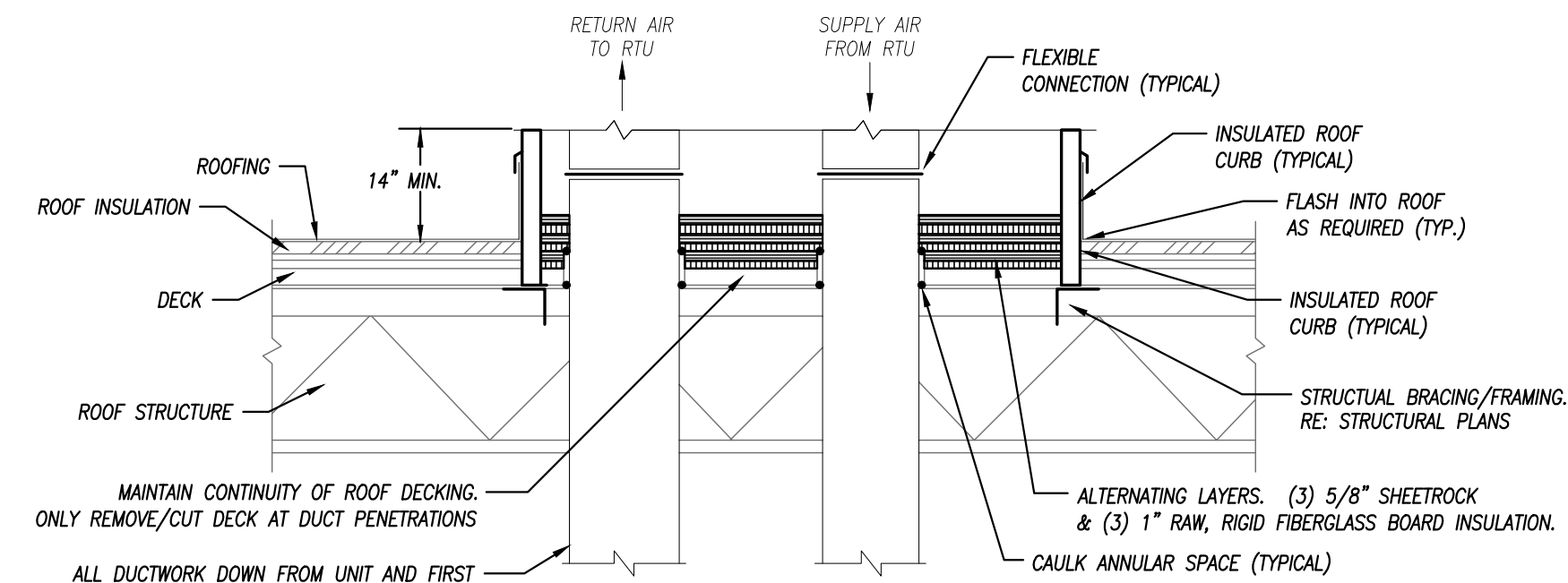
SHEET NUMBER
M-101

pkmr
ENGINEERS
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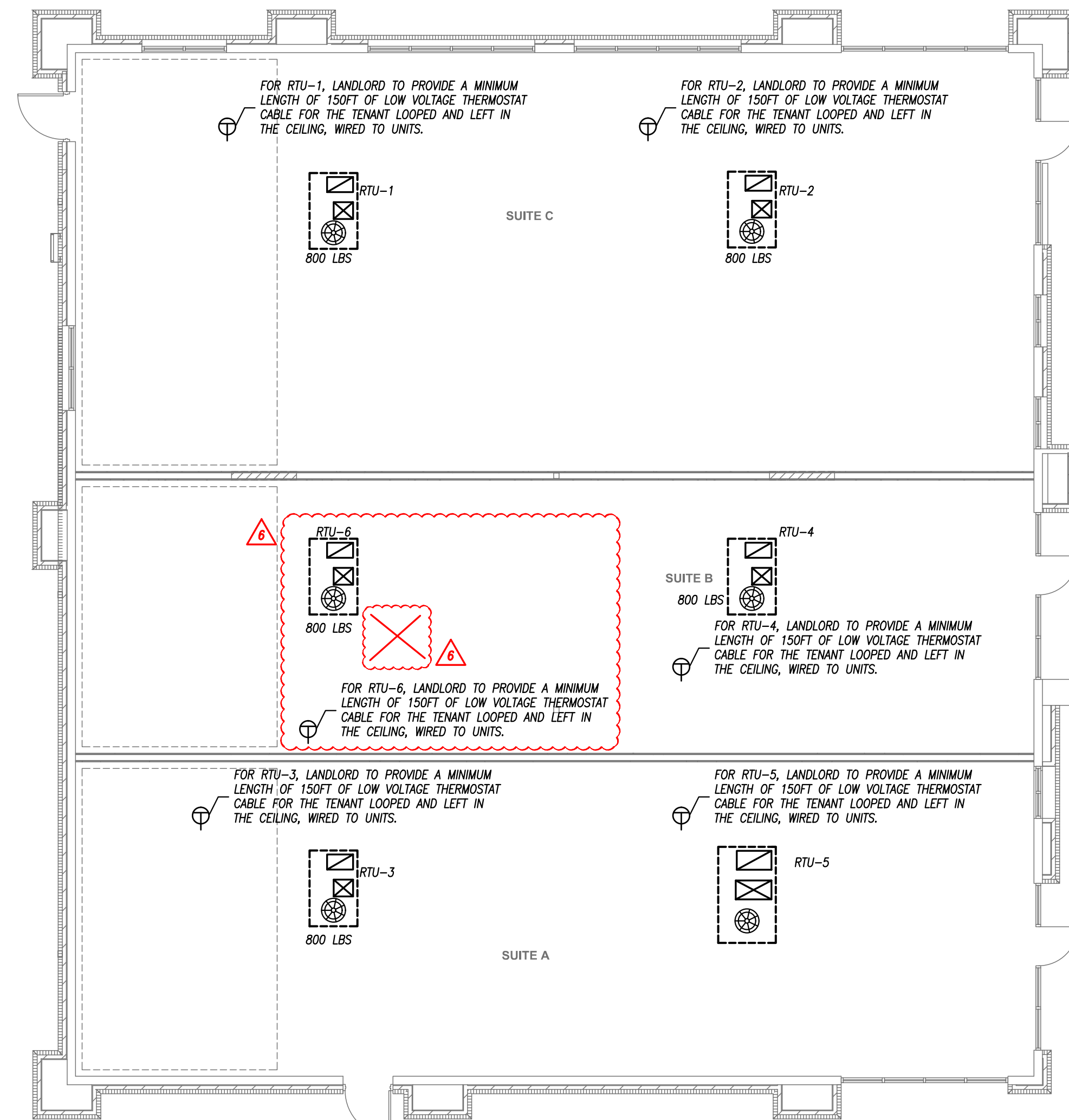
FILE PATH:
DATE:
DRAWN BY:



ROOF PIPE CURB PENETRATION
NOT TO SCALE



ROOFTOP UNIT CURB DETAIL
NOT TO SCALE

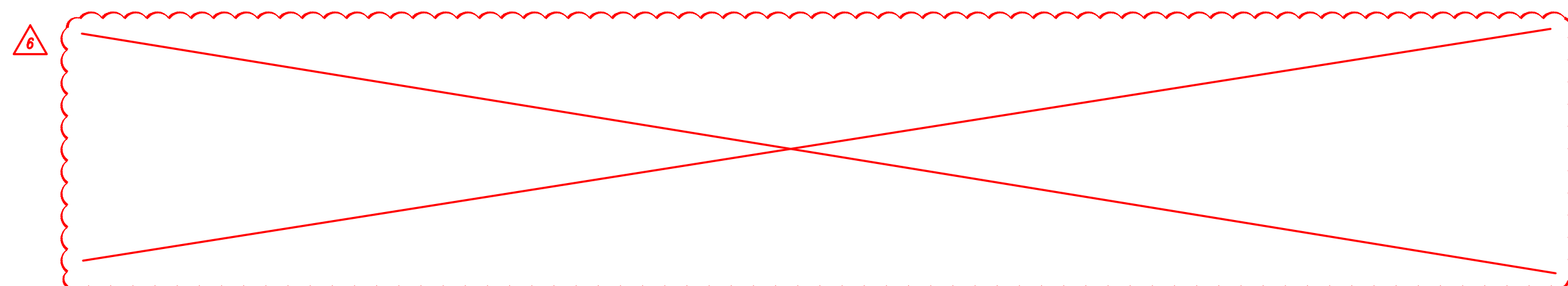


FLOOR PLAN - HVAC
SCALE: 1/8" = 1'-0"

ROOF TOP UNIT SCHEDULE - THREE PHASE ELECTRIC WITH GAS HEAT

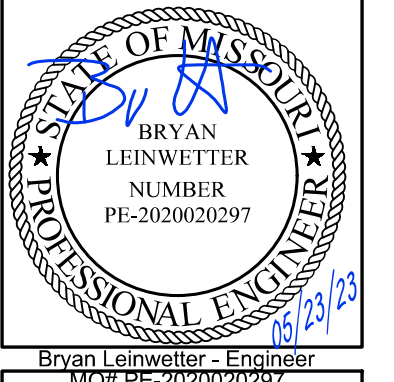
PLAN MARK	MANUFACTURER	MODEL NUMBER	SIZE	REFRIGERANT	MINIMUM EFFICIENCY	AIRFLOW	COMPRESSORS	COOLING CAPACITY	CFM	EXTERNAL STATIC	OA CFM	HEATING CAPACITY	ELECTRICAL	WEIGHT	FILTER	NOTES
RTU-1	TRANE	YSC 048 E3	4 TON	R-410A	14 SEER	DOWN	(1) SCROLL	49,000 BTUH	1,600	0.7"	160	80 MBH	208 V, 3 PH, 35 AMP	800 LBS	MERV 13	1,2,3,4
RTU-2	TRANE	YSC 048 E3	4 TON	R-410A	14 SEER	DOWN	(1) SCROLL	49,000 BTUH	1,600	0.7"	160	80 MBH	208 V, 3 PH, 35 AMP	800 LBS	MERV 13	1,2,3,4
RTU-3	TRANE	YSC 048 E3	4 TON	R-410A	14 SEER	DOWN	(1) SCROLL	49,000 BTUH	1,600	0.7"	160	80 MBH	208 V, 3 PH, 35 AMP	800 LBS	MERV 13	1,2,3,4
RTU-4	TRANE	YSC 060 E3	5 TON	R-410A	14 SEER	DOWN	(1) SCROLL	60,100 BTUH	2,000	1.0"	200	80 MBH	208 V, 3 PH, 40 AMP	800 LBS	MERV 13	1,2,3,4
RTU-5	TRANE	YSC 072 E3	6 TON	R-410A	14.6 IEER	DOWN	(1) SCROLL	75,000 BTUH	2,400	1.1"	240	120 MBH	208 V, 3 PH, 50 AMP	1000 LBS	MERV 13	1,2,3,4
RTU-6	TRANE	YSC 048 E3	4 TON	R-410A	14 SEER	DOWN	(1) SCROLL	49,000 BTUH	1,600	0.7"	160	80 MBH	208 V, 3 PH, 35 AMP	800 LBS	MERV 13	1,2,3,4

- NOTES LEGEND
- PROVIDE ROOF CURB, DISCONNECT SWITCH, HAIL GUARDS, AND ECONOMIZER
 - PROVIDE WALL MOUNTED 7-DAY PROGRAMMABLE THERMOSTAT
 - PROVIDE INTERNAL VIBRATION ISOLATION FOR THE RTU FAN AND COMPRESSORS



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FEB 19, 2024 - ASI 5, 6

SHEET TITLE
HVAC FLOOR PLAN

PROJECT NUMBER
230117

SHEET NUMBER
M-201



FILE PATH:
DATE:
DRAWN BY:

1 2 3 4 5

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D

C

C

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A

A

1 2 3 4 5

PANELBOARD SCHEDULE									
PANEL DESIGNATION	MAIN BUS AMPS:	VOLTAGE:	PHASE/WIRE:	MOUNTING:	RECESSED				
P2	400	120/208V	3PH/4W	LOCATION:	SEE PLAN				
CIRCUIT DESCRIPTION	PKT. NO.	BKR. NO.	PKT. NO.	BKR. NO.	PKT. NO.	BKR. NO.	CIRCUIT DESCRIPTION		
ROOF RECEPTACLES	1	20	1	2	40	3	RTU-4		
SPARE	1	20	3	4	-	-	-		
SPARE	1	20	5	6	-	-	-		
SPARE	1	20	7	8	35	3	RTU-6		
SPARE	1	20	9	10	-	-	-		
SPARE	1	20	11	12	-	-	-		
SPARE	1	20	13	14	20	1	SPARE		
SPARE	1	20	15	16	20	1	SPARE		
SPARE	1	20	17	18	20	1	SPARE		
SPARE	1	20	19	20	20	1	SPARE		
SPARE	1	20	21	22	20	1	SPARE		
SPARE	1	20	23	24	20	1	SPARE		
SPARE	1	20	25	26	20	1	SPARE		
SPARE	1	20	27	28	20	1	SPARE		
SPARE	1	20	29	30	20	1	SPARE		
SPARE	1	20	31	32	20	1	SPARE		
SPARE	1	20	33	34	20	1	SPARE		
SPARE	1	20	35	36	20	1	SPARE		
SPARE	1	20	37	38	20	1	SPARE		
SPARE	1	20	39	40	20	1	SPARE		
SPARE	1	20	41	42	20	1	SPARE		
SPARE	1	20	43	44	20	1	SPARE		
SPARE	1	20	45	46	20	1	SPARE		
SPARE	1	20	47	48	20	1	SPARE		
SPARE	1	20	49	50	20	1	SPARE		
SPARE	1	20	51	52	20	1	SPARE		
SPARE	1	20	53	54	20	1	SPARE		
SPARE	1	20	55	56	20	1	SPARE		
SPARE	1	20	57	58	20	1	SPARE		
SPACE			61	62			SPACE		
SPACE			63	64			SPACE		
SPACE			65	66			SPACE		

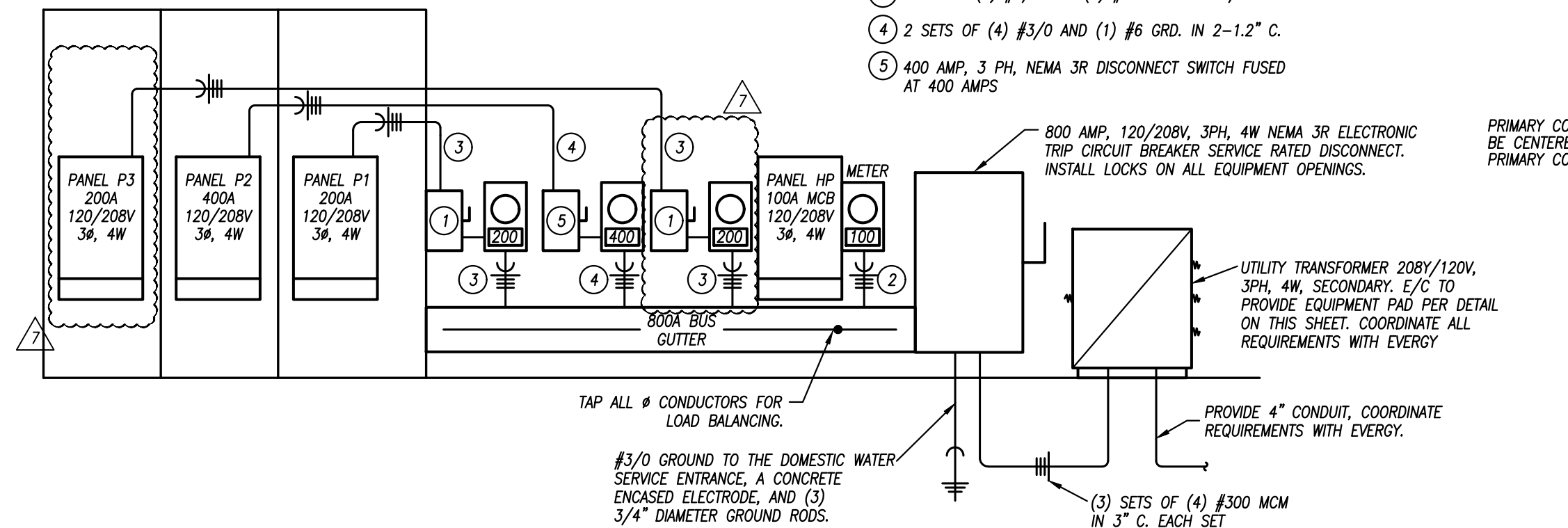
PANELBOARD SCHEDULE									
PANEL DESIGNATION	MAIN BUS AMPS:	VOLTAGE:	PHASE/WIRE:	MOUNTING:	RECESSED				
P1	200	120/208V	3PH/4W	LOCATION:	SEE PLANS				
CIRCUIT DESCRIPTION	PKT. NO.	BKR. NO.	PKT. NO.	BKR. NO.	PKT. NO.	BKR. NO.	CIRCUIT DESCRIPTION		
SPARE	1	20	1	2	35	3	RTU-1		
SPARE	1	20	3	4	-	-	-		
SPARE	1	20	5	6	-	-	-		
SPARE	1	20	7	8	35	3	RTU-2		
SPARE	1	20	9	10	-	-	-		
SPARE	1	20	11	12	-	-	-		
SPARE	1	20	13	14	20	1	ROOF RECEPTACLES		
SPARE	1	20	15	16	20	1	SPARE		
SPARE	1	20	17	18	20	1	SPARE		
SPARE	1	20	19	20	20	1	SPARE		
SPARE	1	20	21	22	20	1	SPARE		
SPARE	1	20	23	24	20	1	SPARE		
SPARE	1	20	25	26	20	1	SPARE		
SPARE	1	20	27	28	20	1	SPARE		
SPARE	1	20	29	30	20	1	SPARE		
SPARE	1	20	31	32	20	1	SPARE		
SPARE	1	20	33	34	20	1	SPARE		
SPARE	1	20	35	36	20	1	SPARE		
SPARE	1	20	37	38	20	1	SPARE		
SPARE	1	20	39	40	20	1	SPARE		
SPARE	1	20	41	42	20	1	SPARE		

PANELBOARD SCHEDULE									
PANEL DESIGNATION	MAIN BUS AMPS:	VOLTAGE:	PHASE/WIRE:	MOUNTING:	SURFACE				
HP	100	120/208V	3PH/4W	LOCATION: <td>EXTERIOR</td> <th colspan="4"></th>	EXTERIOR				
CIRCUIT DESCRIPTION	PKT. NO.	BKR. NO.	PKT. NO.	BKR. NO.	PKT. NO.	BKR. NO.	CIRCUIT DESCRIPTION		
IRRIGATION CONTROLLER	1	20	1	2	20	2	SITE LTG: PARKING LOT		
SPARE	1	20	3	4	-	-	-		
SPARE	1	20	5	6	20	2	SITE LTG: WALL MOUNTED		
SPARE	1	20	7	8	-	-	-		
SPARE	1	20	9	10	20	1	SITE LTG: CANOPIES		
SPARE	1	20	11	12	20	1	SPARE		
SPARE	1	20	13	14	20	1	SPARE		
SPARE	1	20	15	16	20	1	SPARE		
SPARE	1	20	17	18	20	1	SPARE		
SPARE	1	20	19	20	20	1	SPARE		
SPACE			21	22			SPACE		
SPACE			23	24			SPACE		
SPACE			25	26			SPACE		
SPACE			27	28			SPACE		
SPACE			29	30			SPACE		

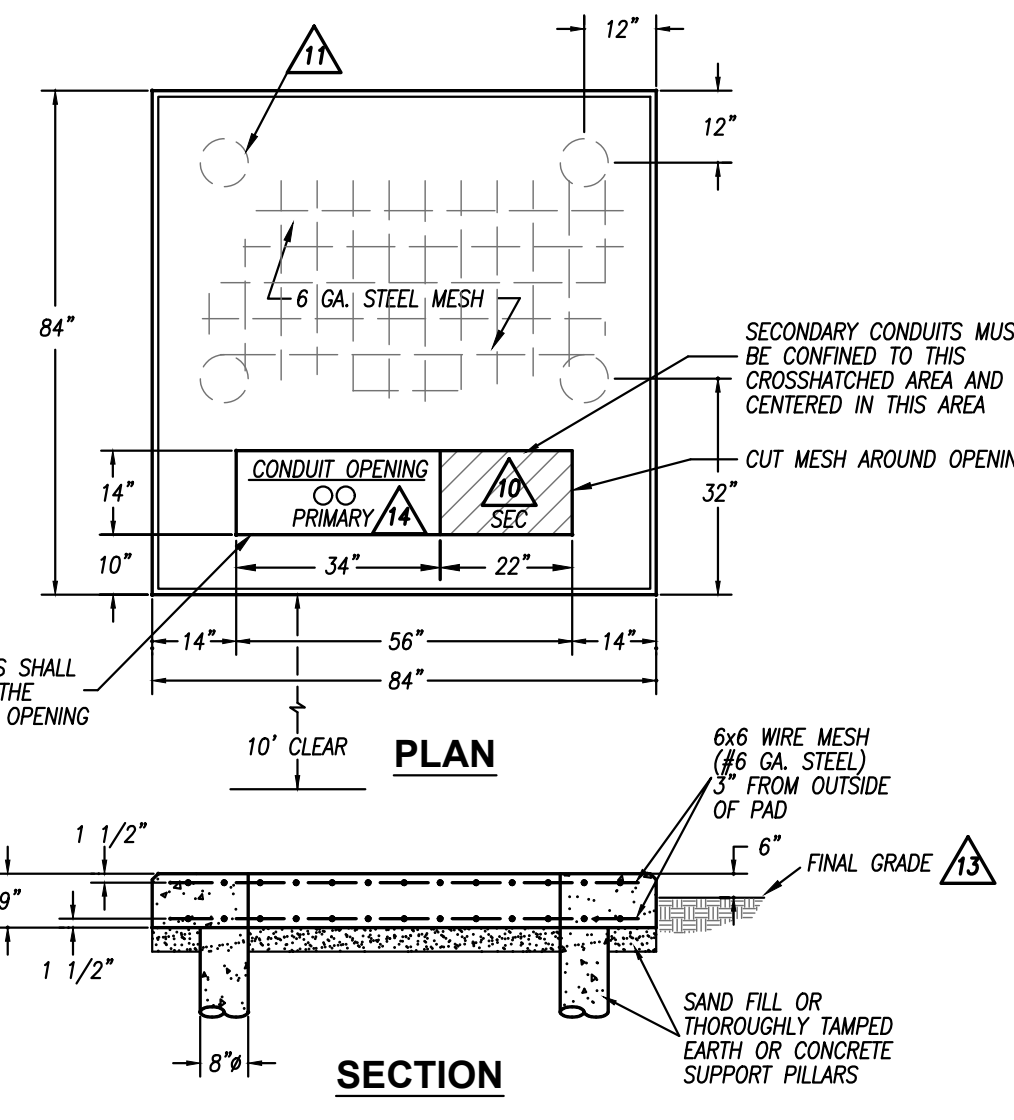
NOTES:
NEMA 3R RATED PANEL WITH LOCKABLE COVER

ELECTRICAL RISER KEYED NOTES

- 200 AMP, 3 PH, NEMA 3R DISCONNECT SWITCH FUSED AT 200 AMP
- (4) #1 AND (1) #6 GRD. IN 1-1/2" C.
- 1 SET OF (4) #3/0 AND (1) #6 GRD. IN 2-1/2" C.
- 2 SETS OF (4) #3/0 AND (1) #6 GRD. IN 2-1/2" C.
- 400 AMP, 3 PH, NEMA 3R DISCONNECT SWITCH FUSED AT 400 AMPS

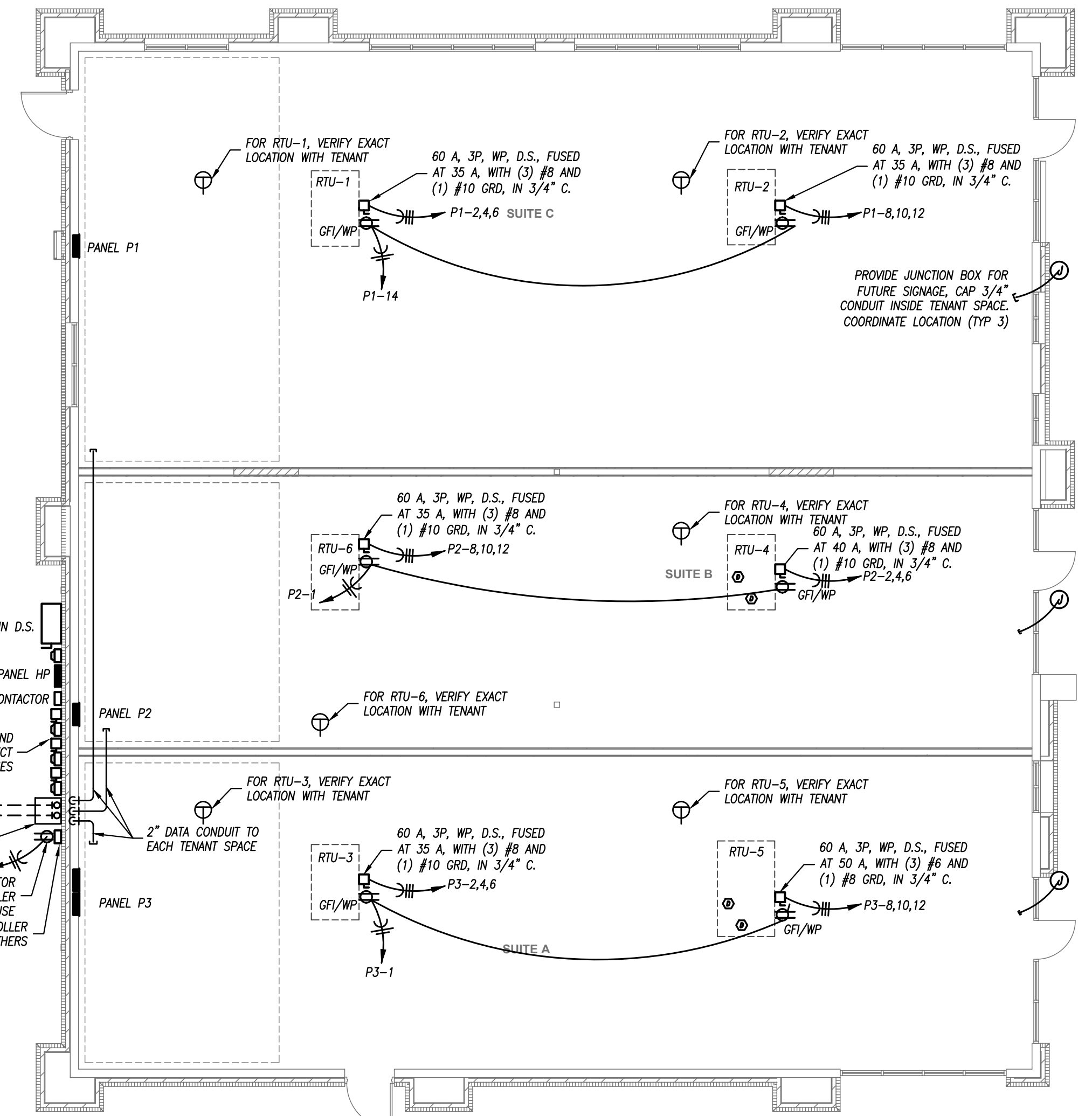


ELECTRICAL RISER DIAGRAM
NO SCALE

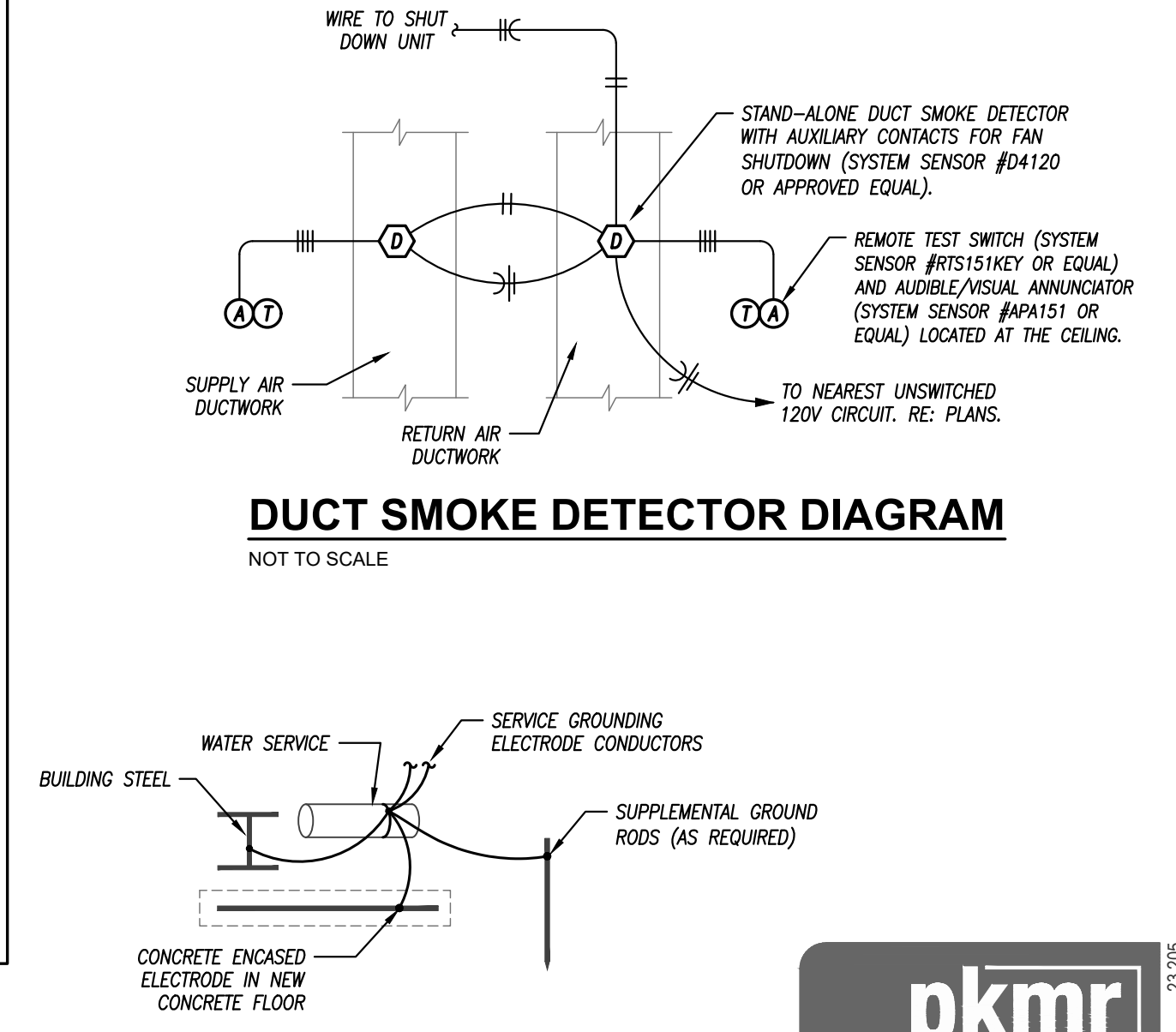


ELECTRICAL TRANSFORMER PAD DETAIL
NO SCALE 75-500 KVA

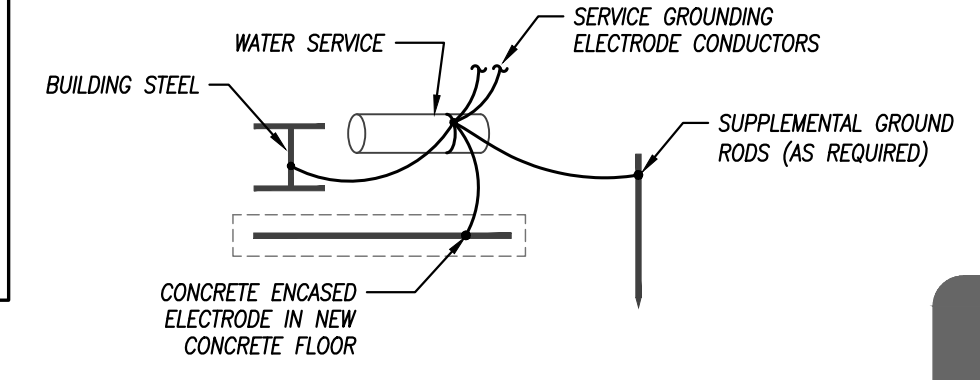
- ### NOTES:
- THE PAD LOCATION SHALL BE APPROVED BY EVERY
 - TRANSFORMER SHALL BE INSTALLED NEAR THE CUSTOMER'S SERVICE ENTRANCE.
 - IF THE TRANSFORMER PAD IS INSTALLED IN AN AREA SUBJECT TO VEHICULAR TRAFFIC, THE INSTALLATION SHALL BE PROTECTED WITH A PIPE-RAIL GUARD.
 - FOR PROPER CLEARANCE AROUND THE TRANSFORMER, REFER TO EVERY STANDARDS.
 - CONTRACTOR SHALL EXTEND FORMS DOWN TO AT LEAST 3" BELOW AVERAGE GROUND LINE.
 - THE CONCRETE SHALL BE A MINIMUM OF 3,000 LB. MIX.
 - THE TOP OF THE TRANSFORMER PAD SHALL RECEIVE A SMOOTH TROWEL FINISH. THE CORNERS AND EDGES SHALL BE ROUNDED OR BEVELED.
 - THE CONDUIT OPENING SHALL BE FREE AND CLEAR OF CONCRETE.
 - THE TOPS OF THE CONDUITS SHALL BE FLUSH WITH THE TOP OF THE CONCRETE PAD.
 - NUMBER OF CONDUITS NECESSARY IS DEPENDENT ON THE MAXIMUM NUMBER OF SERVICE CONDUCTORS ALLOWED IN THE LOW-VOLTAGE COMPARTMENT OF THE TRANSFORMER. INSTALL 1" METERING CONDUIT FROM PAD TO METER ENCLOSURE WHEN TRANSFORMER RATED METERING IS SET ON ADJACENT BUILDING OR STAND AND METERING TRANSFORMERS ARE IN THE PADMOUNT TRANSFORMER.
 - PILLARS ARE FORMED BY AUGERING AN 8" DIAMETER HOLE TO A DEPTH OF UNDISTURBED EARTH. A SEPARATOR, SUCH AS TAP PAPER, SHOULD BE PLACED BETWEEN THE PILLAR AND THE PAD SO THAT THE PAD CAN BE LEVELED AT A LATER TIME IF NECESSARY
 - EVERGY RESERVES THE RIGHT NOT TO ACCEPT THE CONDITION OF THE CONCRETE PAD IF IT FAILS TO MEET THE REQUIREMENTS STATED IN THEIR STANDARD.
 - THE 6" ABOVE GRADE CAN BE REDUCED TO 4" ABOVE FINISHED PAVEMENT.
 - CONDUIT OPENING DIMENSIONS PERTAIN TO HOWARD (2012 AND NEWER) TRANSFORMERS. CHECK WITH EVERY LOCAL SERVICE CENTER TO BE SURE THAT THE OPENING IS THE CORRECT SIZE FOR THE TRANSFORMER DESIGNATED FOR THE JOB.
 - VERIFY PAD REGULATIONS WITH EVERY



FLOOR PLAN - POWER
SCALE: 1/8" = 1'-0"



DUCT SMOKE DETECTOR DIAGRAM
NOT TO SCALE



GROUNDING ELECTRODE SYSTEM
N.T.S.

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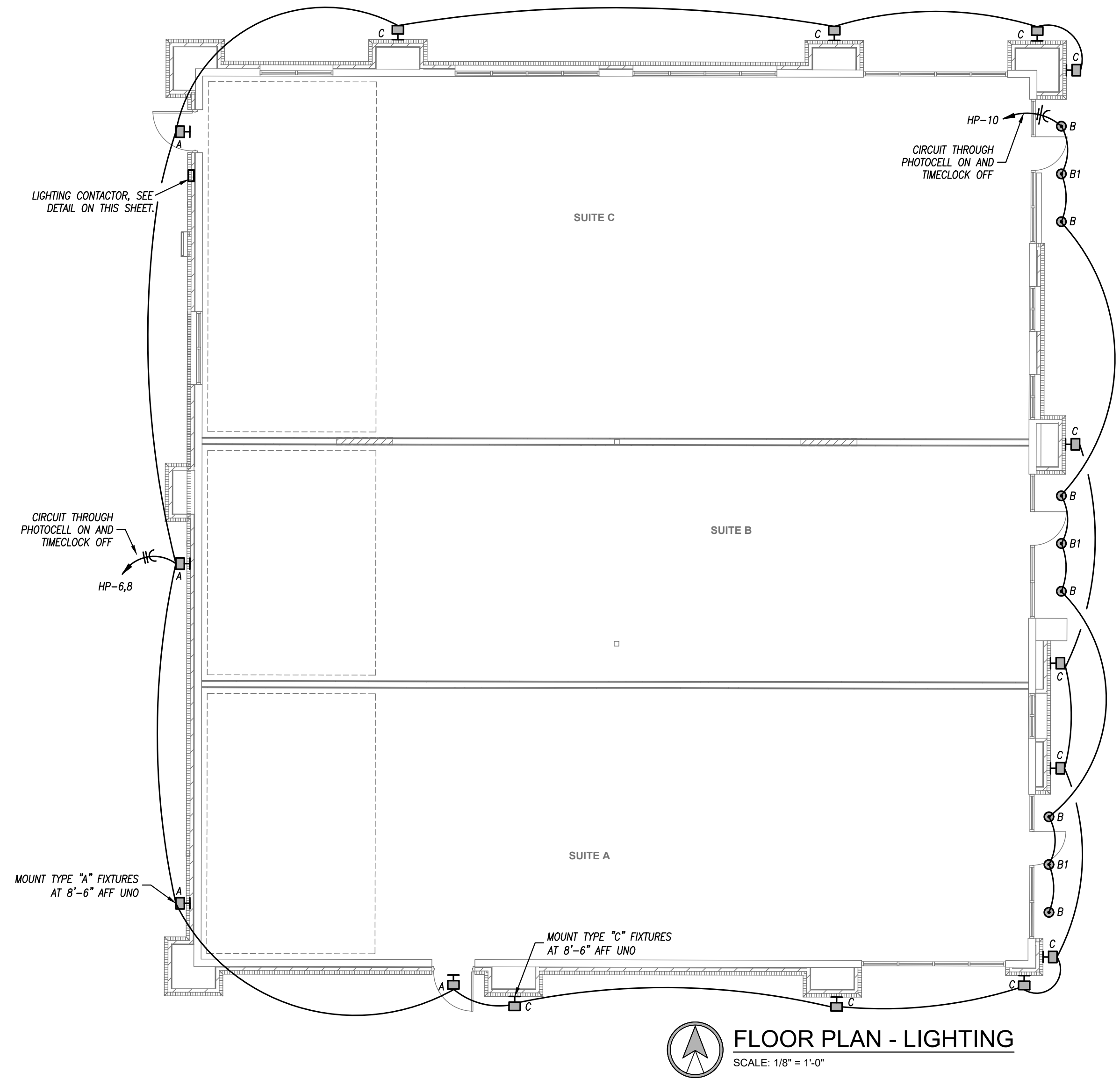
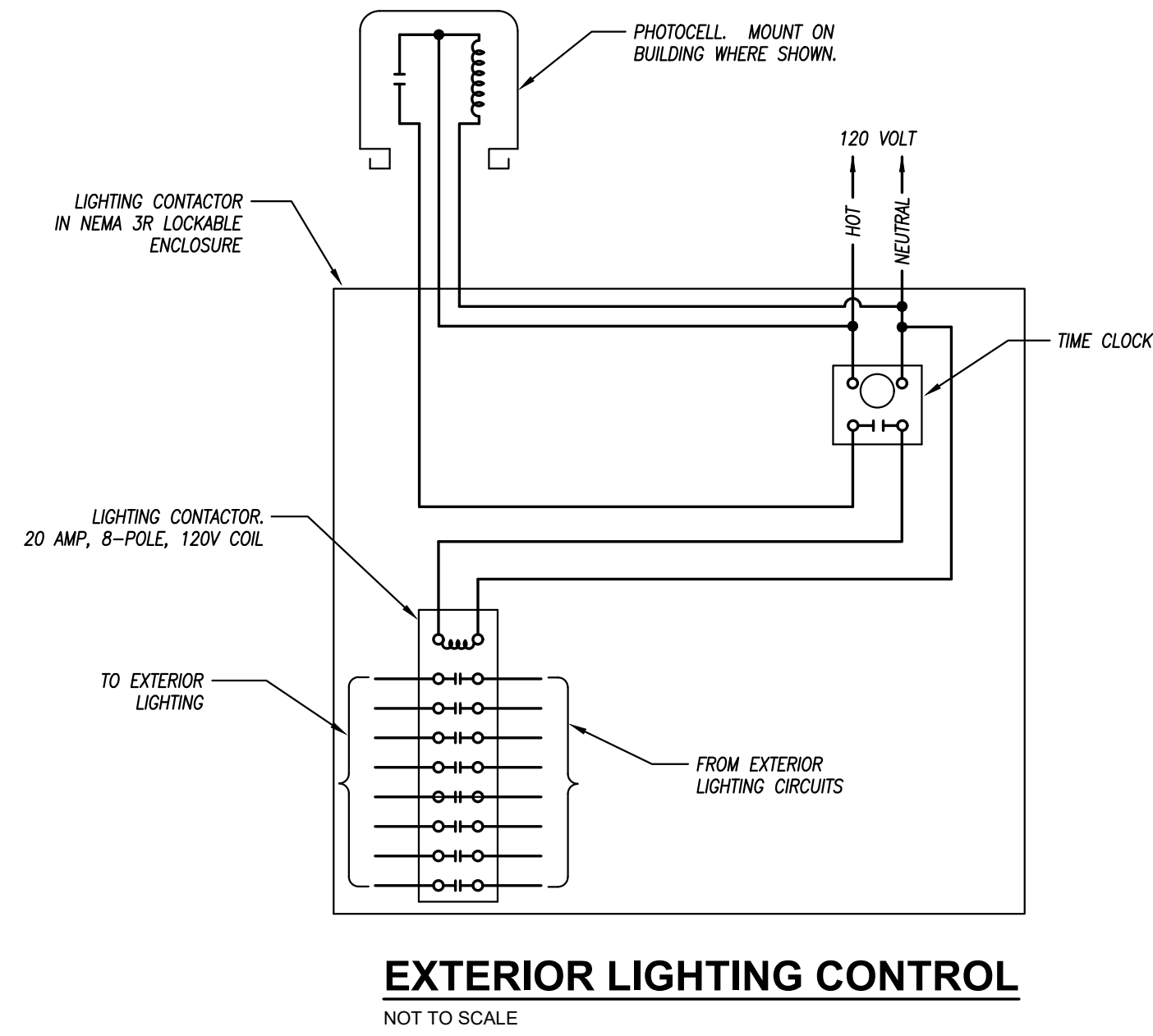
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FEB 19, 2024 - ASI 5
MARCH 13, 2024 - ASI 6

SHEET TITLE
POWER FLOOR PLAN

PROJECT NUMBER
230117

SHEET NUMBER
E-101

pkmr
ENGINEERS
PEARSON KENT MCKINLEY RAAF ENGINEERS LLC
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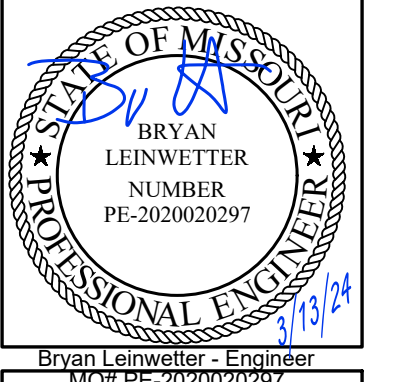
DOUBLE-SECTION PANELBOARD SCHEDULE

PANEL DESIGNATION: **P3**
 MAIN BUS AMPS: 200
 MAIN BREAKER: 200
 PANEL TYPE: NQ00
 VOLTAGE: 120/208V
 PHASEWIRE: 3PH/4W
 MOUNTING: RECESSED
 LOCATION: SEE PLAN

CIRCUIT DESCRIPTION	PKT. NO.	BKR. AMP	CKT. NO.	CKT. NO.	BKR. AMP	F	CIRCUIT DESCRIPTION
ROOF RECEPTACLES	1	20	1	2	35	3	RTU-3
SPARE	1	20	3	4	--	--	--
SPARE	1	20	5	6	--	--	--
SPARE	1	20	7	8	50	3	RTU-5
SPARE	1	20	9	10	--	--	--
SPARE	1	20	11	12	--	--	--
SPARE	1	20	13	14	20	1	SPARE
SPARE	1	20	15	16	20	1	SPARE
SPARE	1	20	17	18	20	1	SPARE
SPARE	1	20	19	20	20	1	SPARE
SPARE	1	20	21	22	20	1	SPARE
SPARE	1	20	23	24	20	1	SPARE
SPARE	1	20	25	26	20	1	SPARE
SPARE	1	20	27	28	20	1	SPARE
SPARE	1	20	29	30	20	1	SPARE
SPARE	1	20	31	32	20	1	SPARE
SPARE	1	20	33	34	20	1	SPARE
SPARE	1	20	35	36	20	1	SPARE
SPARE	1	20	37	38	20	1	SPARE
SPARE	1	20	39	40	20	1	SPARE
SPARE	1	20	41	42	20	1	SPARE



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 MO# PE-2020020297

CORE & SHELL BUILDING
STREETS OF WEST PRYOR LOT 5
 2070 NW LOWENSTEIN DR, LEES SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES

JUNE 12, 2023-REV 1
JULY 7, 2023-ASI 2
AUGUST 7, 2023-ASI 4
FEB 19, 2024 - ASI 5
MARCH 13, 2024 - ASI 6

SHEET TITLE
 LIGHTING FLOOR PLAN

PROJECT NUMBER
230117

SHEET NUMBER
E-201



FILE PATH:
 DATE:
 DRAWN BY: