

PROJECT INFO

CLIENT:
COVENANT GROUP, LLC

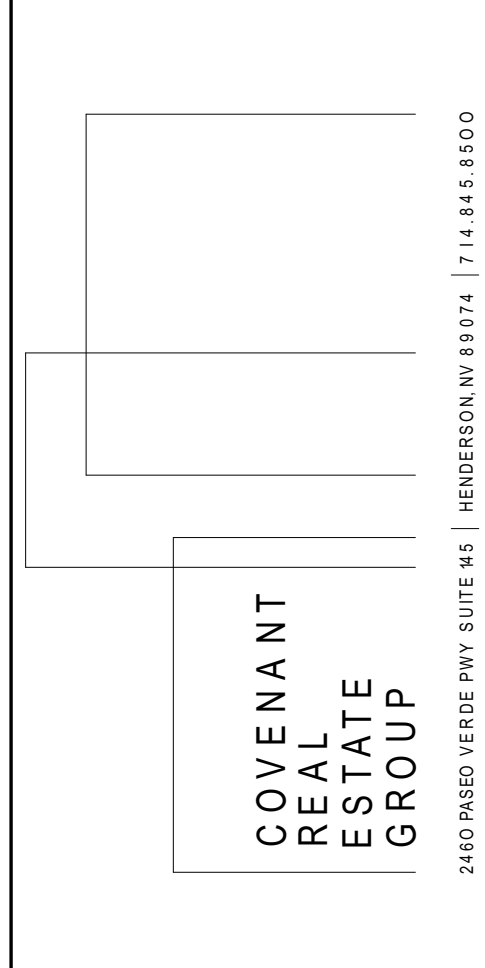
PROJECT:
COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

ADDRESS:
400 NW CHIPMAN RD
LEE'S SUMMIT, MO 64806

PROJECT NO: 267

MAIN CONTACT
CHRISTOPHER CLARK, AIA, NCARB
7701 E KELLOGG DR, STE 630
WICHITA, KS 67207
(316) 302-4472
chris@clarkitecture.net

DEVELOPER

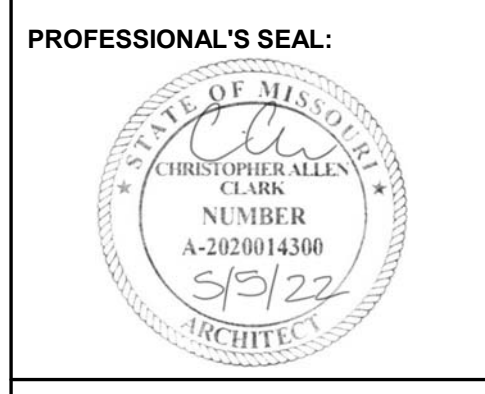


SHEET INFO

ISSUE DATE: 04/12/22
ISSUED FOR: INTERNAL REVIEW

REVISION SCHEDULE

NO	DESCRIPTION	DATE
A	MISC CHANGES	05/05/22



CODE EVALUATION

A10.0

PROJECT INFORMATION

OWNER: COVENANT GROUP, LLC
ARCHITECT: CLARKITECTURE LLC
STATE: MISSOURI
COUNTY: JACKSON
CITY: LEE'S SUMMIT
STREET ADDRESS: 400 NW CHIPMAN RD
WATER SUPPLY: CITY OF LEE'S SUMMIT
SEWAGE TREATMENT: CITY OF LEE'S SUMMIT
GAS UTILITY: SPIRE GAS
ELECTRIC UTILITY: EVERGY
AUTHORITY HAVING JURISDICTION: STATE ARCHITECT, STATE FIRE MARSHAL
LOCAL CODE ENFORCEMENT: CITY OF LEE'S SUMMIT DEVELOPMENT SERVICES

ADOPTED CODES

- THESE PLANS COMPLY WITH THE FOLLOWING REGULATIONS:
- 2018 INTERNATIONAL BUILDING CODE (IBC)*
 - 2018 INTERNATIONAL FIRE CODE (IFC)*
 - 2018 INTERNATIONAL MECHANICAL CODE (IMC)*
 - 2018 INTERNATIONAL FUEL GAS CODE (IFGC)*
 - 2018 INTERNATIONAL PLUMBING CODE (IPC)*
 - 2017 NATIONAL ELECTRIC CODE (NEC)*
 - 2010 AMERICANS WITH DISABILITIES ACT (ADA) GUIDELINES FOR ACCESSIBLE DESIGN

*INCLUDES AMENDMENTS ADOPTED BY THE AHJ.

SITE INFORMATION

ZONING: PMIX PLANNED MIX USE

VICINITY MAP:



LEGAL DESCRIPTION: LOT 4E-2, SUMMIT ORCHARD MINOR PLAT, LOTS 4E-1 AND 4E-2

BUILDING INFORMATION

BUILDING USE(S): RESTAURANT*
PROFESSIONAL SERVICES (MEDICAL OFFICE)*
CLASSIFICATION OF WORK: NEW CONSTRUCTION
OCCUPANCY GROUP: A-2*
MIXED OCCUPANCY: B* (SEPARATED)
CONSTRUCTION TYPE: VB
AUTOMATIC SPRINKLER SYSTEM: NO

*SPECULATIVE FUTURE TENANTS

ALLOWABLE HEIGHT: 40' (A/B, NS)
ACTUAL HEIGHT: 24'

ALLOWABLE STORIES: 1 (A-2, NS)
ACTUAL BUILDING STORIES: 1

ALLOWABLE AREA (UNMODIFIED): 6,000 SF (A-2, NS)
FRONTAGE INCREASE: NOT REQUIRED

AREA MODIFICATION: NOT REQUIRED

ALLOWABLE AREA (MODIFIED): 6,000 SF
ACTUAL GROSS BUILDING AREA: 5,093 SF

GROSS BUILDING AREAS	
DESCRIPTION	FLOOR AREA
EXTERIOR WALLS	321 SF
MEDICAL OFFICE	2,892 SF
RESTAURANT	1,880 SF
TOTAL	5,093 SF

EXTERIOR WALL PROTECTION (TABLE 602)

DISTANCE (FT)	MIN. RATING (HR)
X < 5	1
5 ≤ X < 10	1
10 ≤ X < 30	0
X ≥ 30	0

HVAC SYSTEM: PACKAGED ROOFTOP UNITS (RESTAURANT HVAC WILL BE DESIGNED & INSTALLED BY FUTURE TENANT, REF. MECH PLANS)
FUEL: NATURAL GAS

FIRE SAFETY SYSTEMS REQUIRED:
1. FIRE EXTINGUISHERS
2. EXIT LIGHTS
3. EMERGENCY LIGHTS (WITH BATTERY BACKUP)

OCCUPANT LOAD (AREA SCHEDULE)				
NAME	FUNCTION	AREA	OCCUPANT LOAD	
			LOAD FACTOR	CALCULATED LOAD
EXTERIOR WALLS		321 SF	0 SF	
MEDICAL OFFICE	BUSINESS AREA	2,892 SF	150 SF	20 A
RESTAURANT	ASSEMBLY, UNCONCENTRATED	1,880 SF	15 SF	126 AB
TOTAL		5,093 SF		146 A

A MAXIMUM OCCUPANT LOAD POSSIBLE, AS CALCULATED BY GROSS FLOOR AREA. ACTUAL OCCUPANT LOAD WILL BE LESS AND SHALL BE DETERMINED BY FUTURE TENANTS' PLANS.

B EACH FUTURE ASSEMBLY TENANT'S OCCUPANT LOAD MUST BE LESS THAN 100, IF OCCUPANT LOAD IS 100 OR MORE, THE TENANT SHALL BE RESPONSIBLE FOR PROVIDING AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE ENTIRE BUILDING.

EXIT SCHEDULE				
NUMBER	OCCUPANT LOAD	CAPACITY FACTOR	MIN WIDTH	ACTUAL WIDTH
101	63	0.2	13	36
102	63	0.2	13	36
201	10	0.2	2	36
202	10	0.2	2	36
TOTAL	146			

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

GENERAL NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL FIRE EXTINGUISHER LOCATIONS. SUPPLY ADDITIONAL FIRE EXTINGUISHERS AS NEEDED SO THAT TRAVEL DISTANCE DOES NOT EXCEED 75 FEET FROM ANY POINT IN THE BUILDING TO THE NEAREST FIRE EXTINGUISHER. VERIFY LOCATIONS IN FIELD WITH ARCHITECT AND LOCAL FIRE DEPARTMENT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL CONSTRUCT FIRE RATED ASSEMBLIES (WHERE SHOWN) IN ACCORDANCE WITH U.L. TESTED ASSEMBLIES.
- CONTRACTOR SHALL SUPPLY AND INSTALL A KNOX BOX AS REQUIRED BY THE LOCAL FIRE DEPARTMENT. VERIFY LOCATION IN FIELD WITH ARCHITECT AND LOCAL FIRE DEPARTMENT PRIOR TO INSTALLATION. KNOX BOX MUST BE PURCHASED THROUGH THE LOCAL FIRE DEPARTMENT'S APPROVED VENDOR.

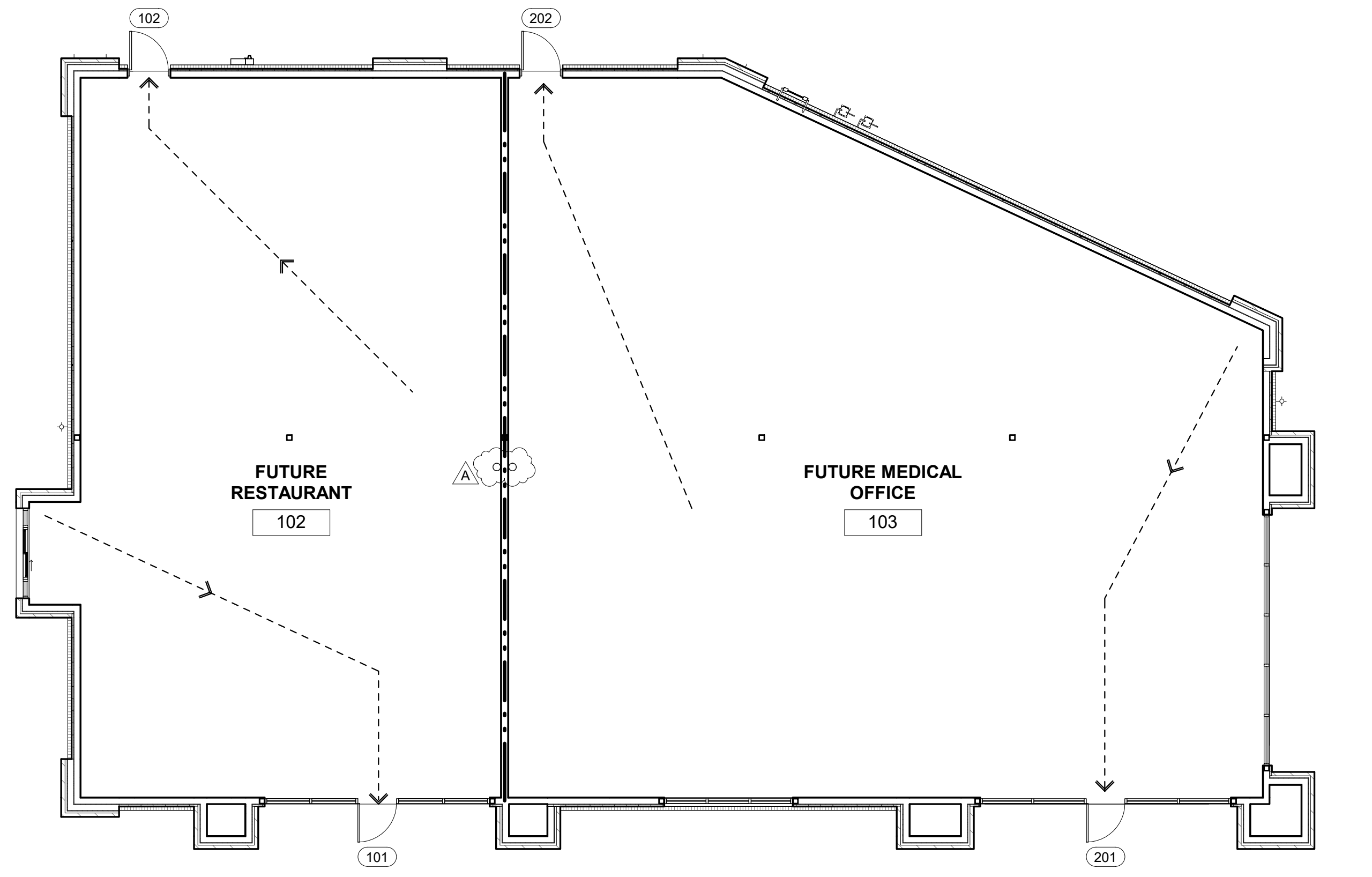
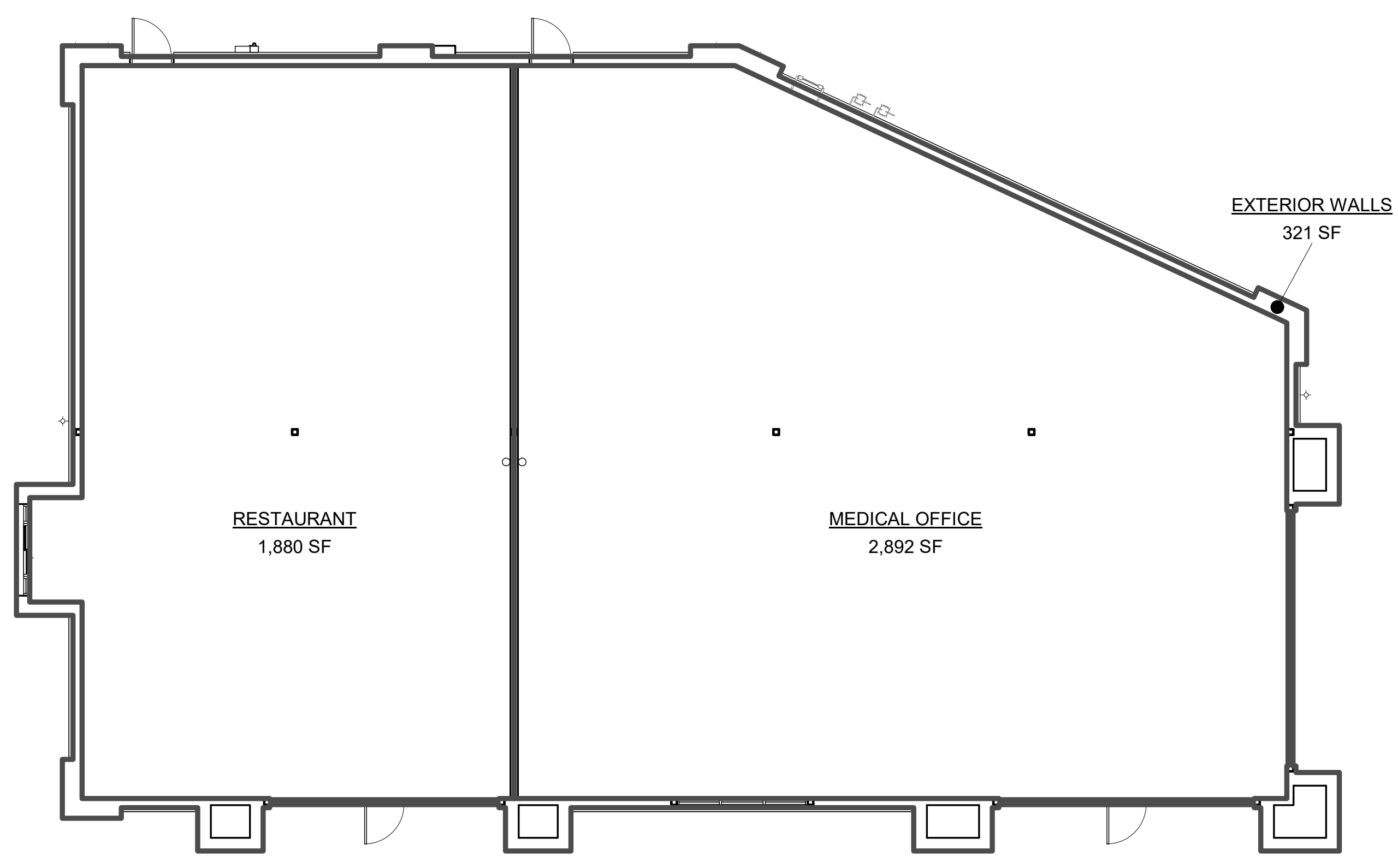
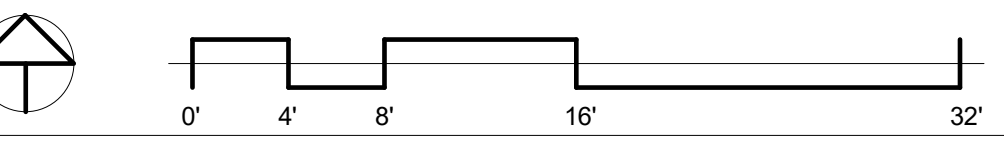
EGRESS PLAN LEGEND

-----> PATH OF EGRESS TRAVEL

--- FIRE BARRIER, 2-HR RATING (U.L. ASSEMBLY NO. U301)

- NAILHEADS** — EXPOSED OR COVERED WITH JOINT COMPOUND.
 - 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, NOM 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.
 - 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.
 - 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. OC. OUTER LAYER ATTACHED TO STUDS OVER INNER LAYER WITH THE 2-3/8 IN. LONG NAILS SPACED 8 IN. OC. 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.
- WHEN **STEEL FRAMING MEMBERS*** (ITEM 6 OR ANY ALTERNATE CLIPS) ARE USED, BASE LAYER ATTACHED TO FURRING CHANNELS WITH 1 IN. LONG TYPE S BUGLE-HEAD STEEL SCREWS SPACED MAX 24 IN. OC; FACE LAYER ATTACHED WITH 1-5/8 IN. LONG TYPE S BUGLE-HEAD STEEL SCREWS SPACED MAX 12 IN. OC.

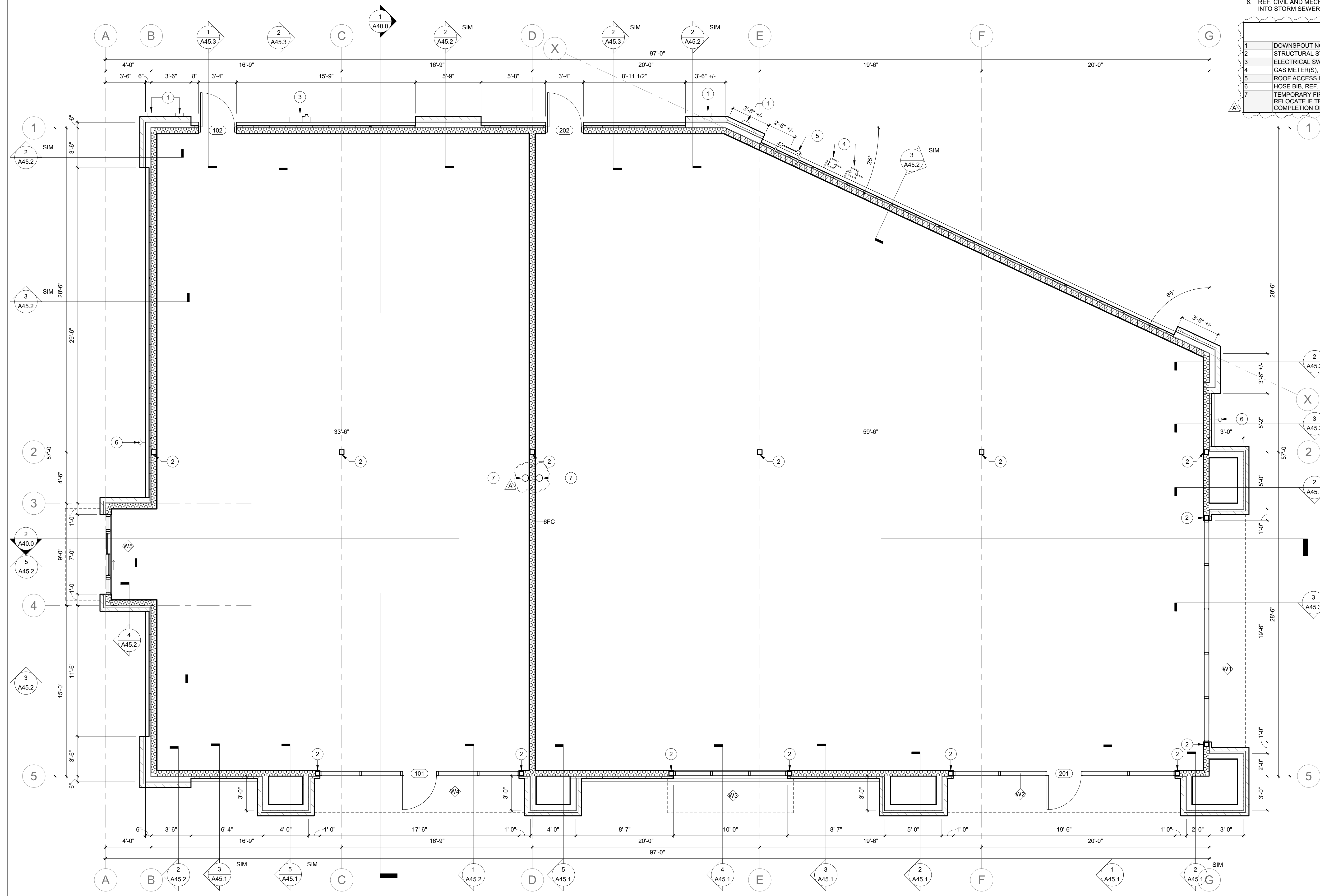
2 EGRESS PLAN
1/8" = 1'-0"



GENERAL NOTES

1. ALL DIMENSIONS ON THIS PLAN ARE MEASURED TO GRID LINE AND/OR FACE OF STUD, U.N.O.
2. REF. SHEET G10.0 FOR RESPONSIBILITY SCHEDULE.
3. REF. SHEET A70.0 FOR DOOR SCHEDULE, WINDOW TYPES AND PARTITION SCHEDULE
4. REF. MECH PLANS FOR ALL PLUMBING FIXTURES AND CONNECTIONS.
5. REF. ELEC PLANS FOR ALL ELECTRICAL FIXTURES AND CONNECTIONS.
6. REF. CIVIL AND MECH PLANS FOR CONTINUATION OF ROOF DRAINS INTO STORM SEWER.

KEYNOTE LEGEND	
1	DOWNSPOUT NOZZLE, REF. MECH
2	STRUCTURAL STEEL FRAMING, REF. STRUCT
3	ELECTRICAL SWITCHGEAR, REF. ELEC
4	GAS METER(S), REF. MECH
5	ROOF ACCESS LADDER, REF. DETAILS AND SPEC
6	HOSE BIB, REF. MECH
7	TEMPORARY FIRE EXTINGUISHER, REF. SPEC. REMOVE OR RELOCATE IF TENANT FIT-OUT WORK BEGINS PRIOR TO COMPLETION OF BUILDING SHELL.



1 FLOOR PLAN
1/4" = 1'-0"
0' 2' 4' 8' 16'

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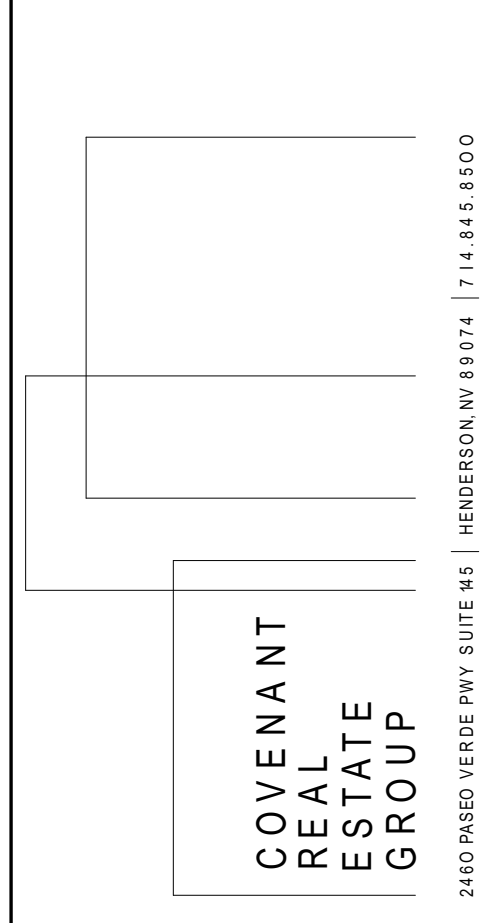
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PROFESSIONAL'S SEAL:



FLOOR PLAN

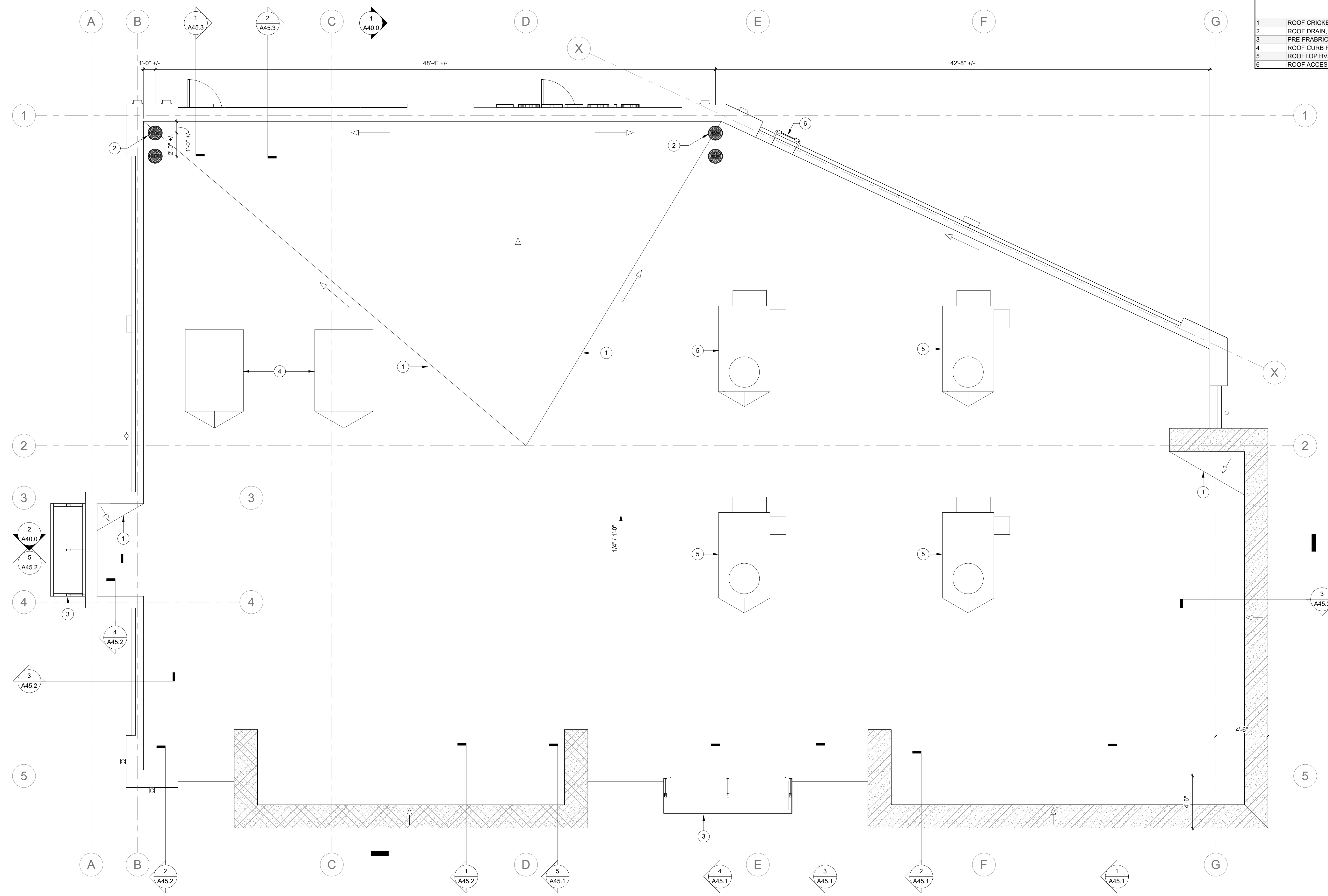
A21.0

GENERAL NOTES

1. ALL DIMENSIONS ON THIS PLAN ARE MEASURED TO GRID LINE AND/OR FACE OF STUD, U.N.O.
2. REF. MECH AND ELEC PLANS FOR ALL ROOF PENETRATION SIZES AND LOCATIONS. INFORM ARCHITECT OF ANY CONFLICT BETWEEN DISCIPLINES.
3. REF. CIVIL AND MECH PLANS FOR CONTINUATION OF ROOF DRAINS INTO STORM SEWER.

KEYNOTE LEGEND

- | | |
|---|---|
| 1 | ROOF CRICKET TO PROVIDE DRAINAGE TOWARD SCUPPER |
| 2 | ROOF DRAIN, REF. MECH |
| 3 | PRE-FRABRICATED METAL CANOPY |
| 4 | ROOF CURB FOR FUTURE HVAC UNIT |
| 5 | ROOFTOP HVAC UNIT, REF. MECH |
| 6 | ROOF ACCESS LADDER, REF. DETAILS AND SPEC |



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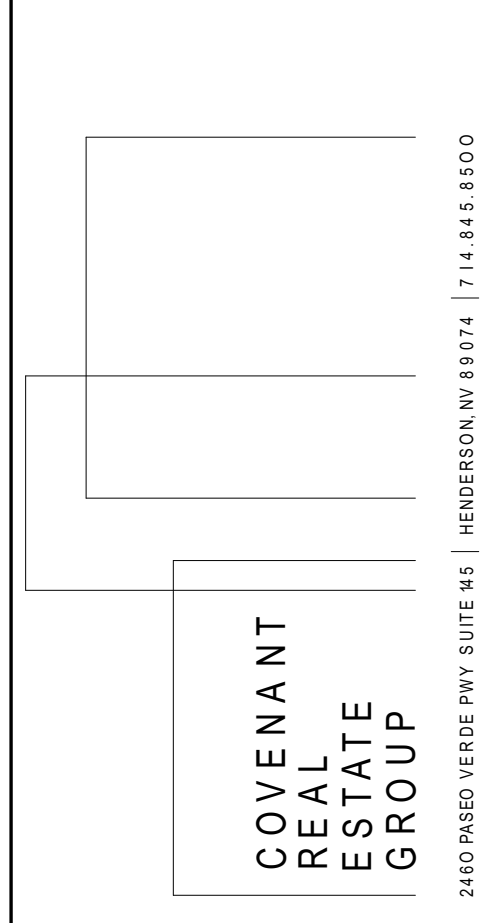
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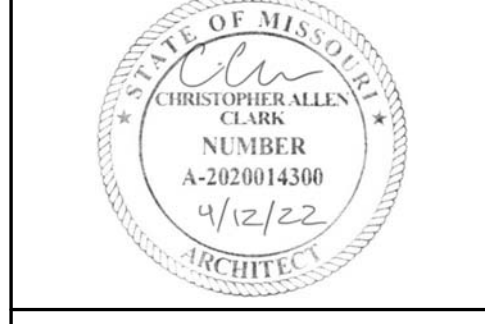
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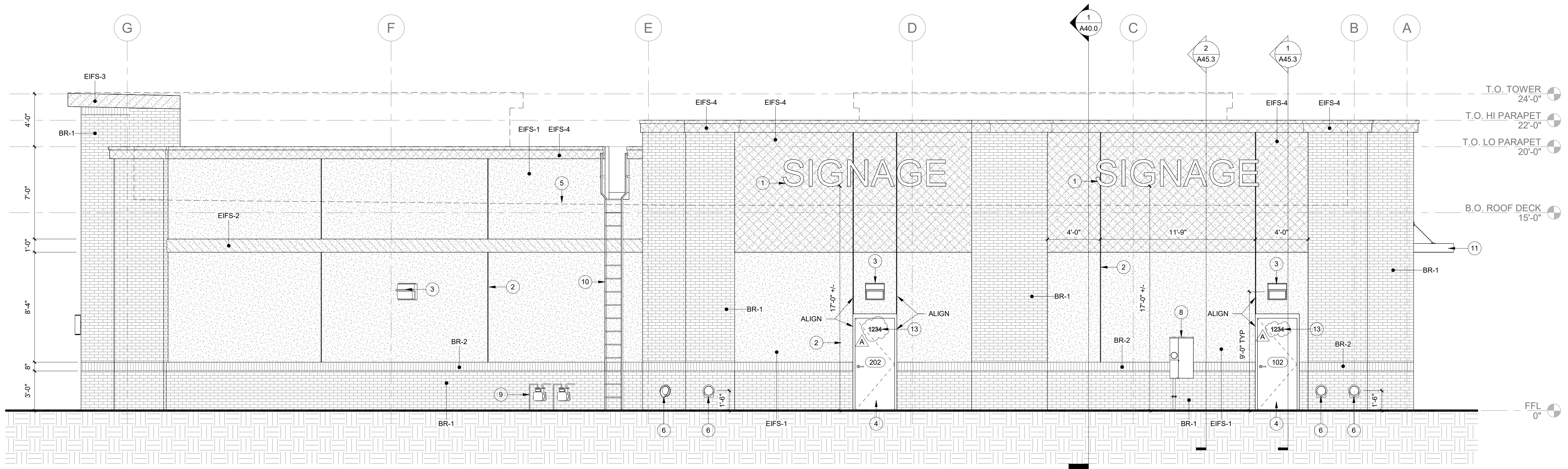
PROFESSIONAL'S SEAL:



ROOF PLAN

A26.0

1 ROOF PLAN
1/4" = 1'-0"



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

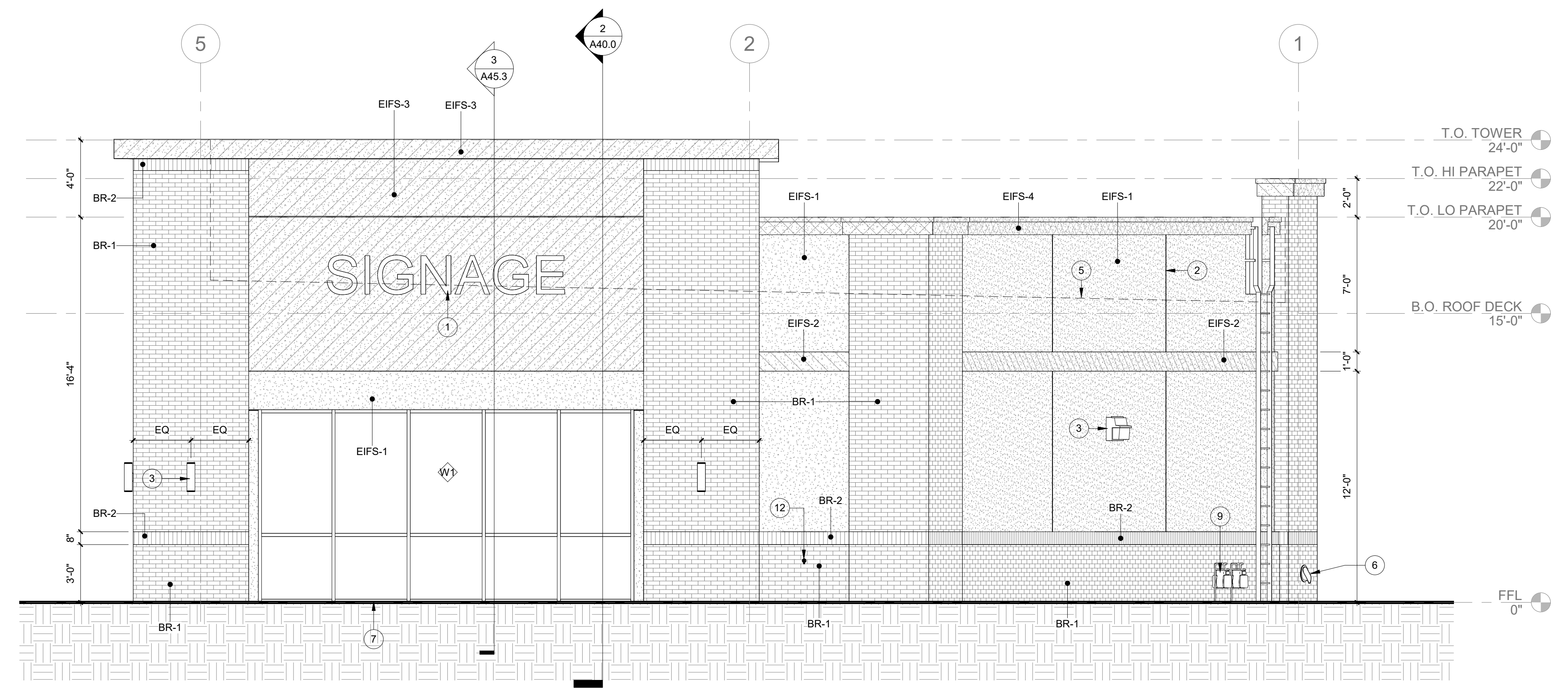
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- ALL DIMENSIONS ON THESE ELEVATIONS ARE MEASURED TO FINISHED FACE OF CONSTRUCTION, U.N.O.
- REF. SHEET A70.0 FOR DOOR SCHEDULE AND WINDOW TYPES.

KEYNOTE LEGEND	
1	BUILDING SIGNAGE, PROVIDE BLOCKING & POWER AS REQ'D. COORDINATE WITH TENANT
2	CONTROL JOINT, TYP.
3	LIGHT FIXTURE, TYP. REF. ELEC
4	DOOR, REF. FLOOR PLAN AND SCHEDULES
5	ROOF LINE (HIDDEN)
6	DOWNSPOUT NOZZLE, REF. MECH
7	STOREFRONT SYSTEM, REF. FLOOR PLAN AND SCHEDULES
8	ELECTRICAL SWITCHGEAR, REF. ELEC
9	GAS METER(S), REF. MECH
10	ROOF ACCESS LADDER, REF. DETAILS AND SPEC
11	PRE-FABRICATED METAL CANOPY
12	HOSE BIB, REF. MECH
13	PROVIDE ADDRESS NUMBERS AT ENTRANCE DOOR. NUMBERS SHALL BE ARABIC NUMERALS AND/OR ALPHABET LETTERS, MIN. 4" HIGH AND MIN. STROKE WIDTH 1/2"

EXTERIOR FINISH LEGEND

- BR-1 BRICK VENEER**
 - MFG: ENDICOTT
 - COLOR: EXECUTIVE IRONSPOT
 - SIZE: MODULAR
 - TEXTURE: TBD
 - EDGE: TBD
 - PATTERN: RUNNING BOND
 - MORTAR: TBD
- BR-2 BRICK VENEER**
 - MFG: ENDICOTT
 - COLOR: EXECUTIVE IRONSPOT
 - SIZE: MODULAR
 - TEXTURE: TBD
 - EDGE: TBD
 - PATTERN: SOLDIER COURSE
 - MORTAR: TBD
- EIFS-1 EXTERIOR INSULATION & FINISH SYSTEM**
 - COLOR: MATCH TO SHERWIN WILLIAMS SW 6385 "DOVER WHITE"
 - TEXTURE: FINE PEBBLE FINISH
 - SIZE: 1-1/2" (INSULATION THICKNESS)
- EIFS-2 EXTERIOR INSULATION & FINISH SYSTEM**
 - COLOR: MATCH TO SHERWIN WILLIAMS SW 7048 "URBANE BRONZE"
 - TEXTURE: FINE PEBBLE FINISH
 - SIZE: 1-1/2" (INSULATION THICKNESS)
- EIFS-3 EXTERIOR INSULATION & FINISH SYSTEM**
 - COLOR: MATCH TO SHERWIN WILLIAMS SW 6106 "NOMADIC DESERT"
 - TEXTURE: FINE PEBBLE FINISH
 - SIZE: 1-1/2" (INSULATION THICKNESS)
- EIFS-4 EXTERIOR INSULATION & FINISH SYSTEM**
 - COLOR: MATCH TO SHERWIN WILLIAMS SW 6113 "INTERACTIVE CREAM"
 - TEXTURE: FINE PEBBLE FINISH
 - SIZE: 1-1/2" (INSULATION THICKNESS)
- MT-1 EXTERIOR GRADE METAL**
 - RIGIDIZED METAL STAINLESS STEEL #4 SATIN
 - COLOR: DARK BRONZE
- CANOPIES**
 - MFG: AWNEX
 - PRODUCT: "SEATTLE" OR "COLORADO"
 - COLOR: DARK BRONZE
 - SIZE: 8"
 - FACE: FLAT
 - STYLE: TIE-BACK



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

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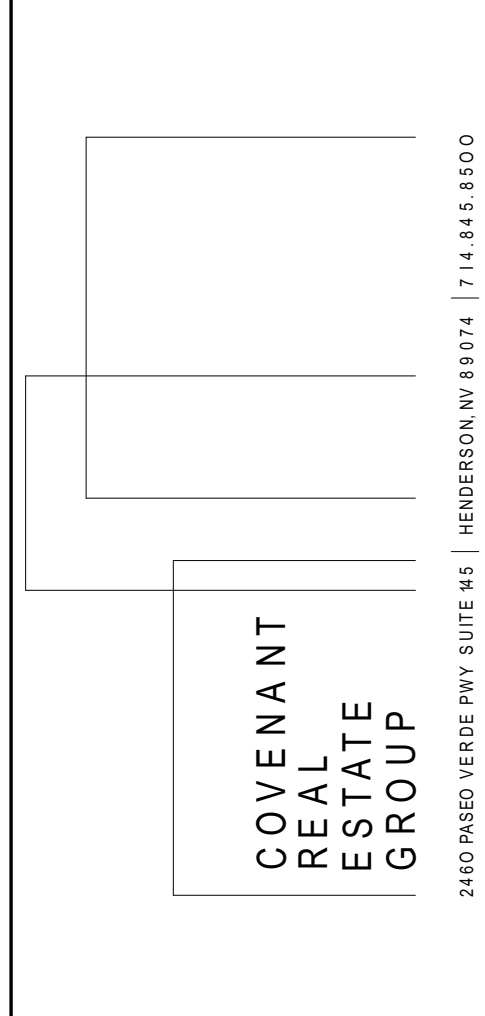
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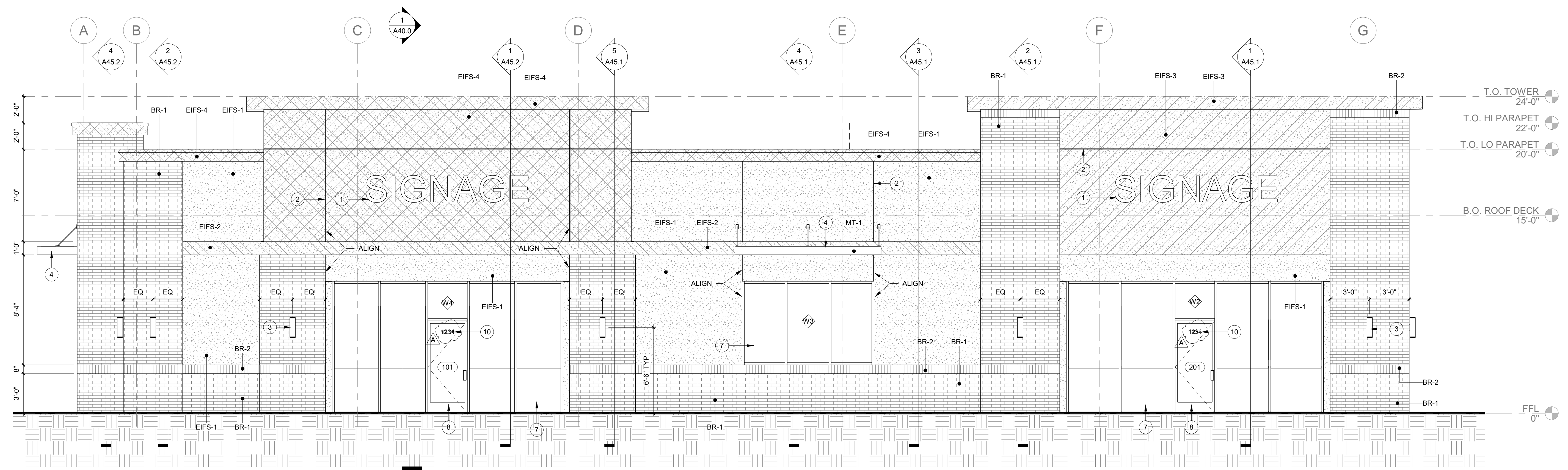
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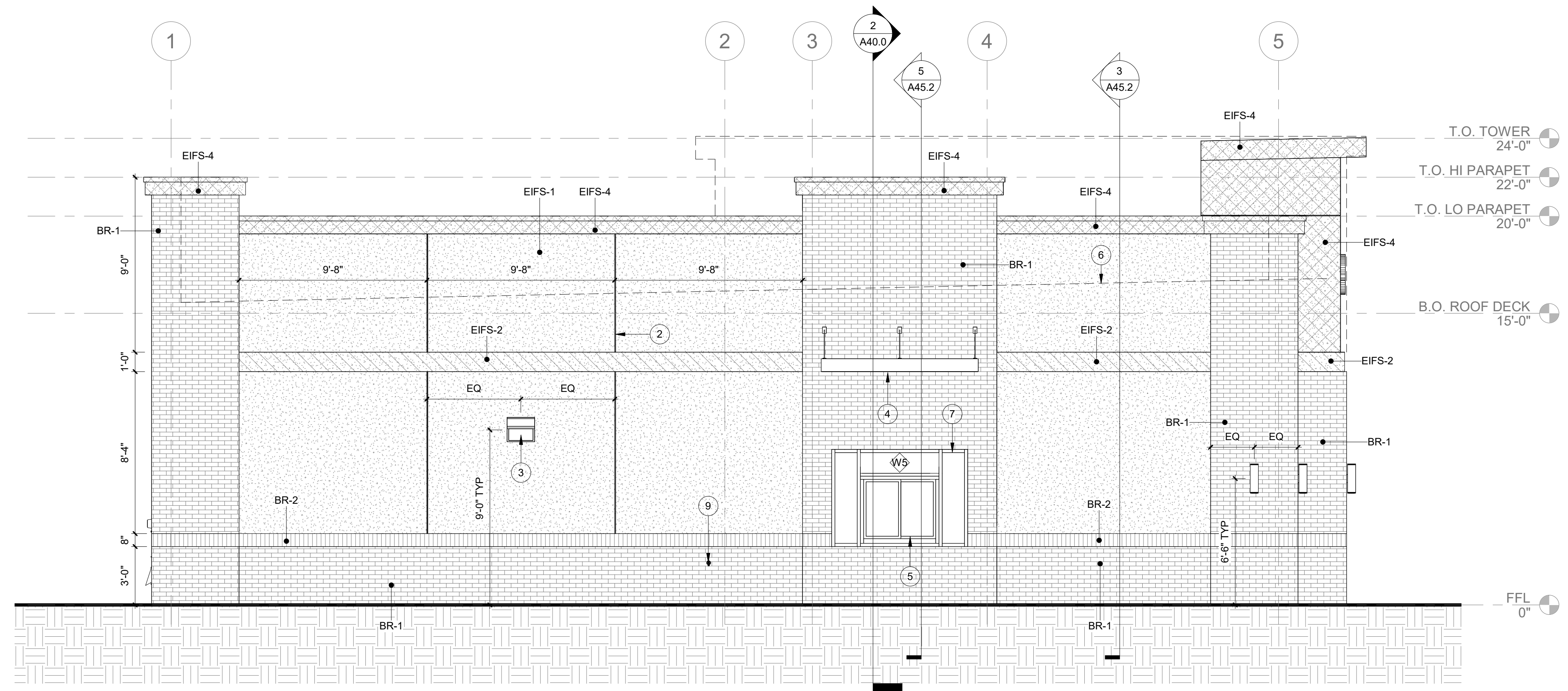
PROFESSIONAL'S SEAL:



BUILDING ELEVATIONS



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



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

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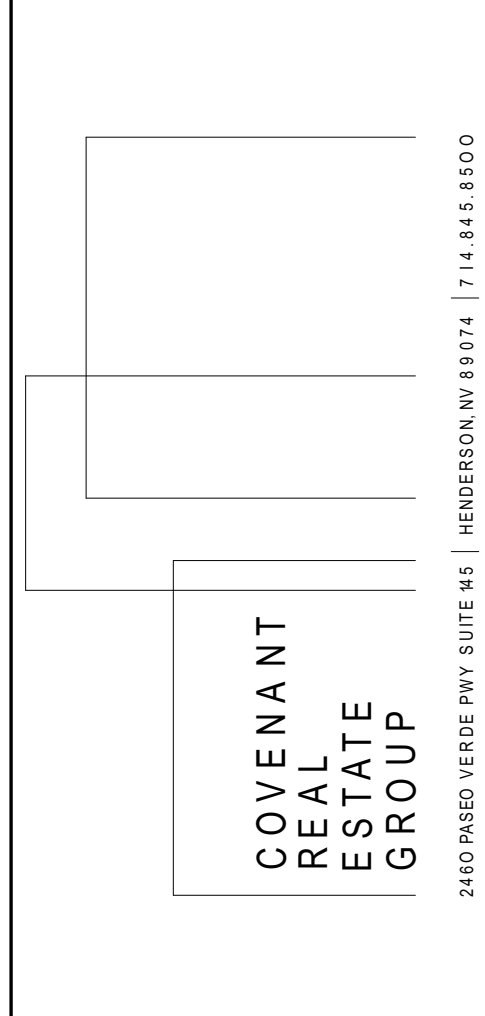
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3. REF. SHEET A200 FOR DOOR SCHEDULE AND WINDOW TYPES.

KEYNOTE LEGEND	
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2	CONTROL JOINT, TYP.
3	LIGHT FIXTURE, TYP. REF. ELEC
4	PREFABRICATED METAL CANOPY
5	DRIVE-THRU WINDOW UNIT, REF. SCHEDULES
6	ROOF LINE (HIDDEN)
7	STOREFRONT SYSTEM, REF. FLOOR PLAN AND SCHEDULES
8	DOOR, REF. FLOOR PLAN AND SCHEDULES
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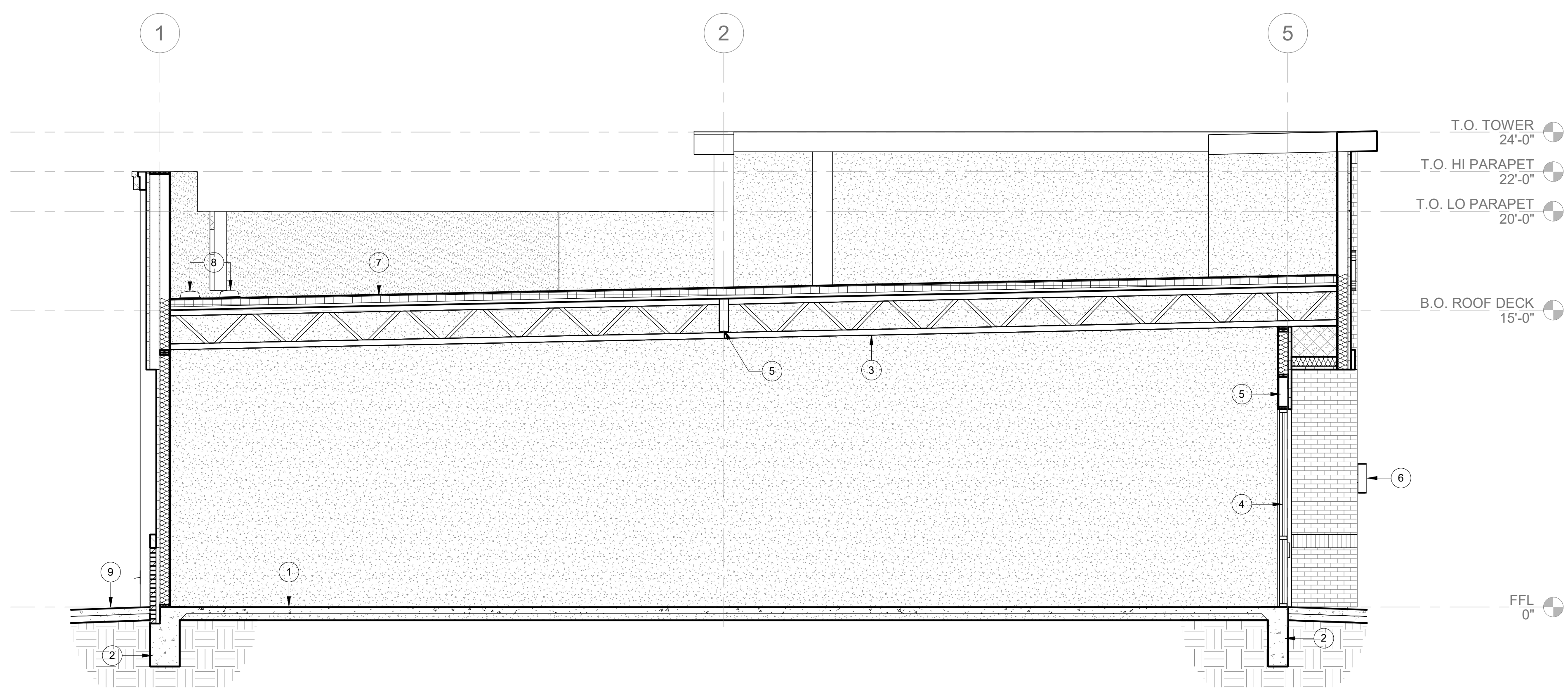


BUILDING ELEVATIONS

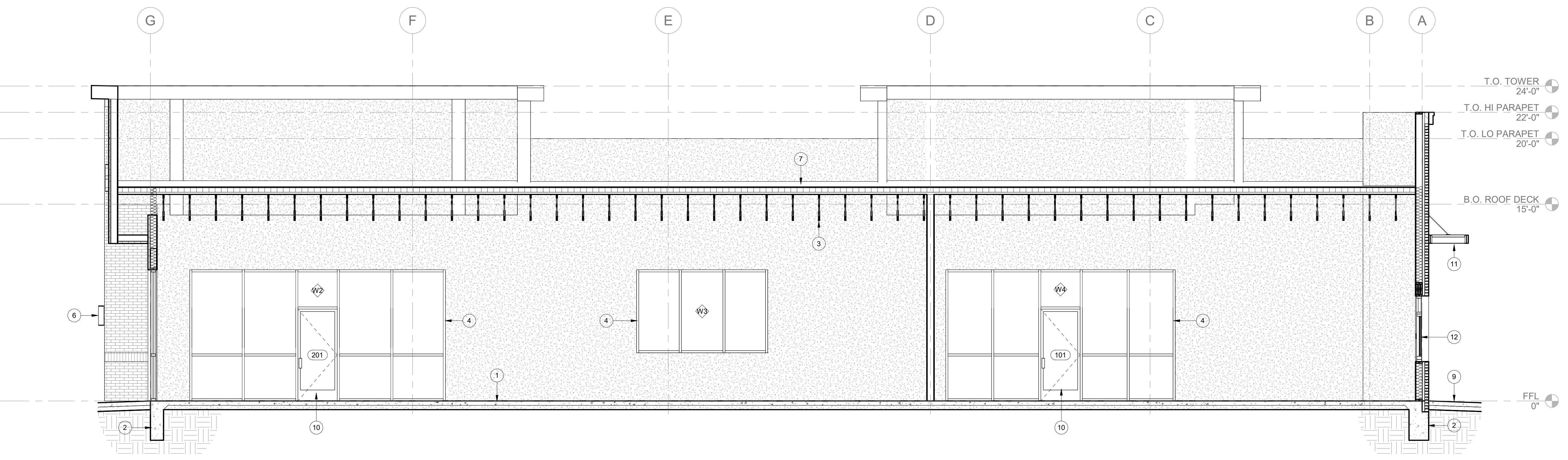
GENERAL NOTES

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2. REF. SHEET **A30.1** FOR EXTERIOR FINISH LEGEND.
3. REF. SHEET **A70.0** FOR DOOR SCHEDULE AND WINDOW TYPES.

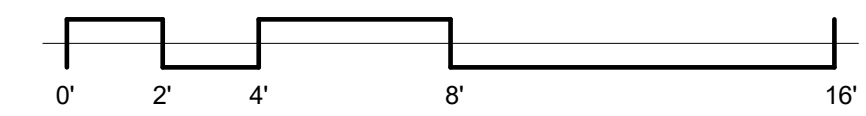
KEYNOTE LEGEND	
1	CONCRETE SLAB-ON-GRADE, REF. STRUCT
2	CONCRETE FOUNDATION, REF. STRUCT
3	PRE-FABRICATED WOOD TRUSSES, REF. STRUCT
4	STOREFRONT SYSTEM, REF. FLOOR PLAN AND SCHEDULES
5	WOOD LINTEL, REF. STRUCT
6	LIGHT FIXTURE, TYP. REF. ELEC
7	SINGLE-PLY MEMBRANE ROOFING ASSEMBLY, REF. ROOF PLAN
8	ROOF DRAIN, REF. MECH
9	SIDEWALK, REF. SITE PLAN
10	DOOR, REF. FLOOR PLAN AND SCHEDULES
11	PRE-FABRICATED METAL CANOPY
12	DRIVE-THRU WINDOW UNIT, REF. SCHEDULES



1 TRANSVERSE SECTION
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2 LONGITUDINAL SECTION
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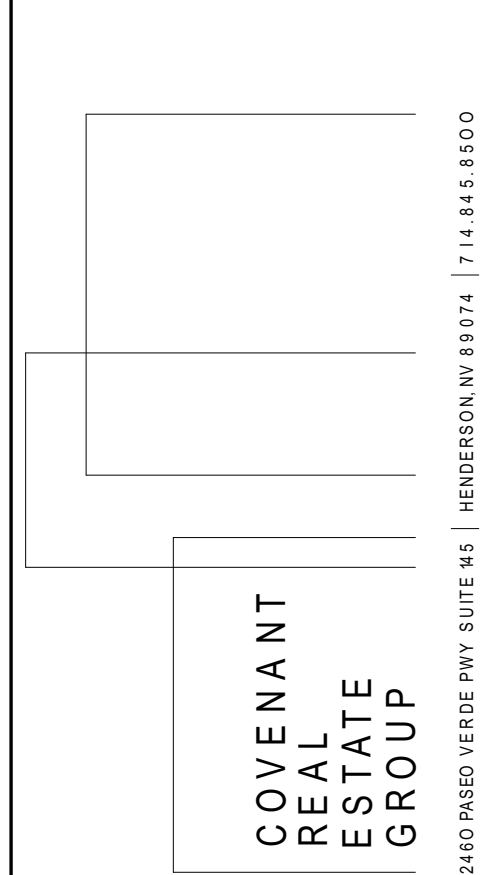
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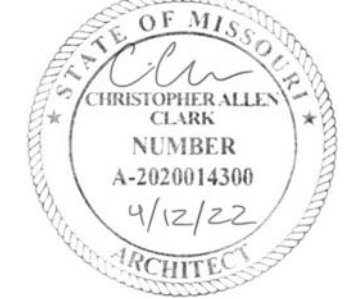


SHEET INFO

ISSUE DATE: 04/12/22
ISSUED FOR: INTERNAL REVIEW

REVISION SCHEDULE		
NO	DESCRIPTION	DATE

PROFESSIONAL'S SEAL:



BUILDING SECTIONS

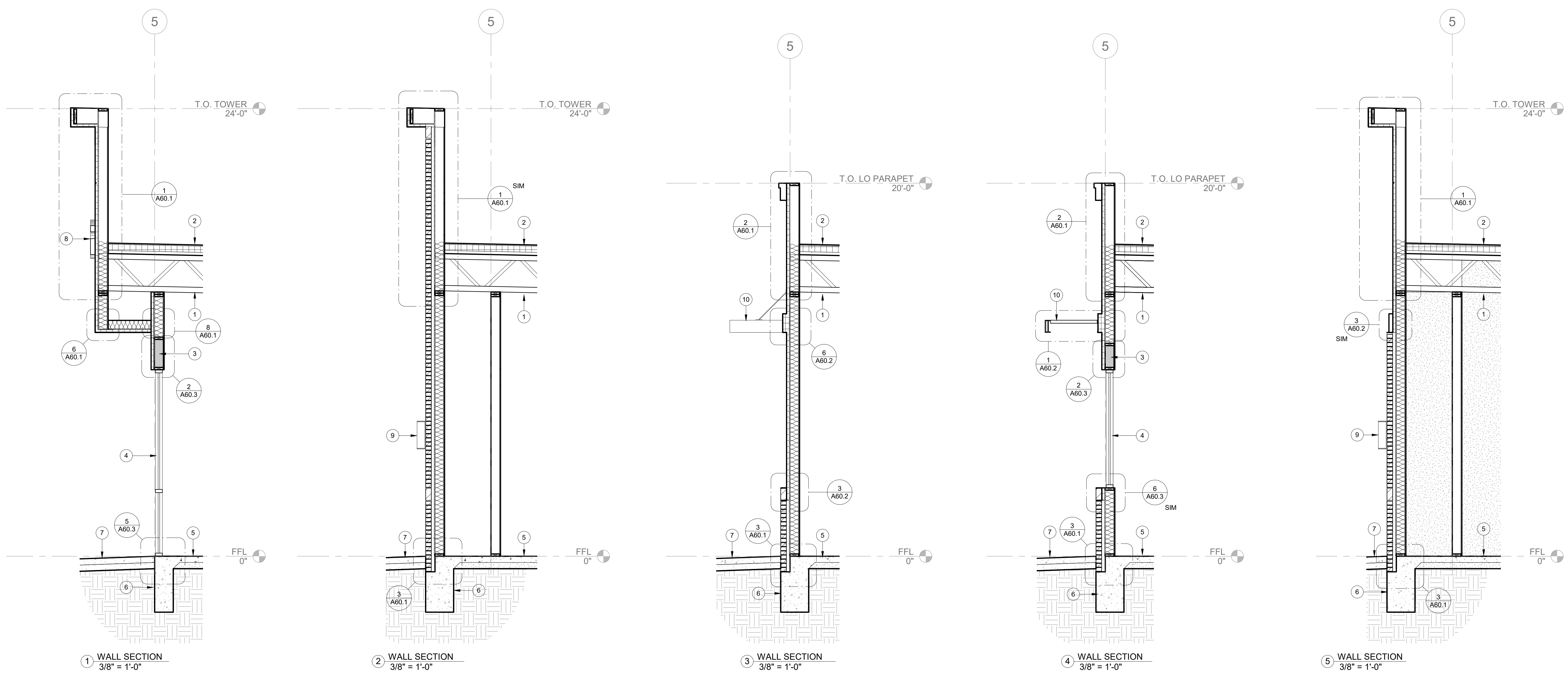
A40.0

GENERAL NOTES

1. ALL DIMENSIONS ON THESE SECTIONS ARE MEASURED TO GRID LINE AND/OR FACE OF STUD, U.N.O.
2. REF. SHEET A30.1 FOR EXTERIOR FINISH LEGEND.
3. REF. SHEET A70.0 FOR DOOR SCHEDULE AND WINDOW TYPES.

KEYNOTE LEGEND

1	PRE-FABRICATED WOOD TRUSSES, REF. STRUCT
2	SINGLE-PLY MEMBRANE ROOFING ASSEMBLY, REF. ROOF PLAN
3	WOOD LINTEL, REF. STRUCT
4	STOREFRONT SYSTEM, REF. FLOOR PLAN AND SCHEDULES
5	CONCRETE SLAB-ON-GRADE, REF. STRUCT
6	CONCRETE FOUNDATION, REF. STRUCT
7	SIDEWALK, REF. SITE PLAN
8	BUILDING SIGNAGE, PROVIDE BLOCKING & POWER AS REQ'D. COORDINATE WITH TENANT
9	LIGHT FIXTURE, TYP. REF. ELEC
10	PRE-FRABRICATED METAL CANOPY



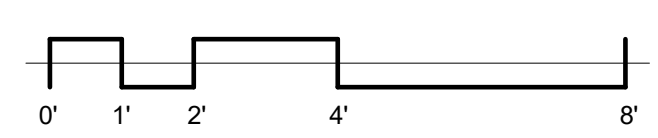
1 WALL SECTION
3/8" = 1'-0"

2 WALL SECTION
3/8" = 1'-0"

3 WALL SECTION
3/8" = 1'-0"

4 WALL SECTION
3/8" = 1'-0"

5 WALL SECTION
3/8" = 1'-0"



PROJECT INFO

CLIENT:
COVENANT GROUP, LLC

PROJECT:
COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

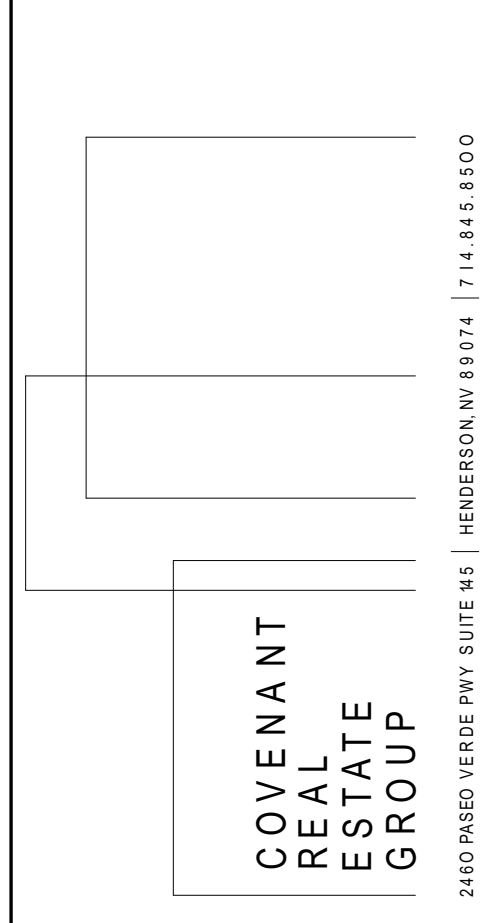
ADDRESS:
400 NW CHIPMAN RD
LEE'S SUMMIT, MO 64806

PROJECT NO: 267

MAIN CONTACT

CHRISTOPHER CLARK, AIA, NCARB
7701 E KELLOGG DR, STE 630
WICHITA, KS 67207
(316) 302-4472
chris@clarkitecture.net

DEVELOPER



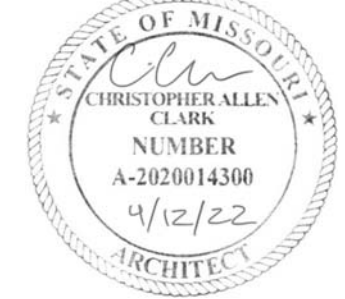
SHEET INFO

ISSUE DATE: 04/12/22
ISSUED FOR: INTERNAL REVIEW

REVISION SCHEDULE

NO	DESCRIPTION	DATE

PROFESSIONAL'S SEAL:



WALL SECTIONS

GENERAL NOTES

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3. REF. SHEET A70.0 FOR DOOR SCHEDULE AND WINDOW TYPES.

KEYNOTE LEGEND

1	CONCRETE SLAB-ON-GRADE, REF. STRUCT
2	PRE-FABRICATED WOOD TRUSSES, REF. STRUCT
3	SINGLE-PLY MEMBRANE ROOFING ASSEMBLY, REF. ROOF PLAN
4	LIGHT FIXTURE, TYP, REF. ELEC
5	CONCRETE FOUNDATION, REF. STRUCT
6	SIDEWALK, REF. SITE PLAN
7	STOREFRONT SYSTEM, REF. FLOOR PLAN AND SCHEDULES
8	DRIVE-THRU WINDOW UNIT, REF. SCHEDULES
9	PRE-FRABRICATED METAL CANOPY
10	WOOD LINTEL, REF. STRUCT
11	BUILDING SIGNAGE, PROVIDE BLOCKING & POWER AS REQD. COORDINATE WITH TENANT

PROJECT INFO

CLIENT:
COVENANT GROUP, LLC

PROJECT:
COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

ADDRESS:
400 NW CHIPMAN RD
LEE'S SUMMIT, MO 64806

PROJECT NO: 267

MAIN CONTACT

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chris@clarkitecture.net

DEVELOPER

COVENANT REAL ESTATE GROUP

2480 PASSED VERDE Pkwy SUITE N5 | HENDERSON, NV 89074 | 714.845.8500

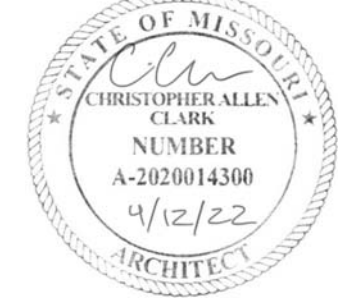
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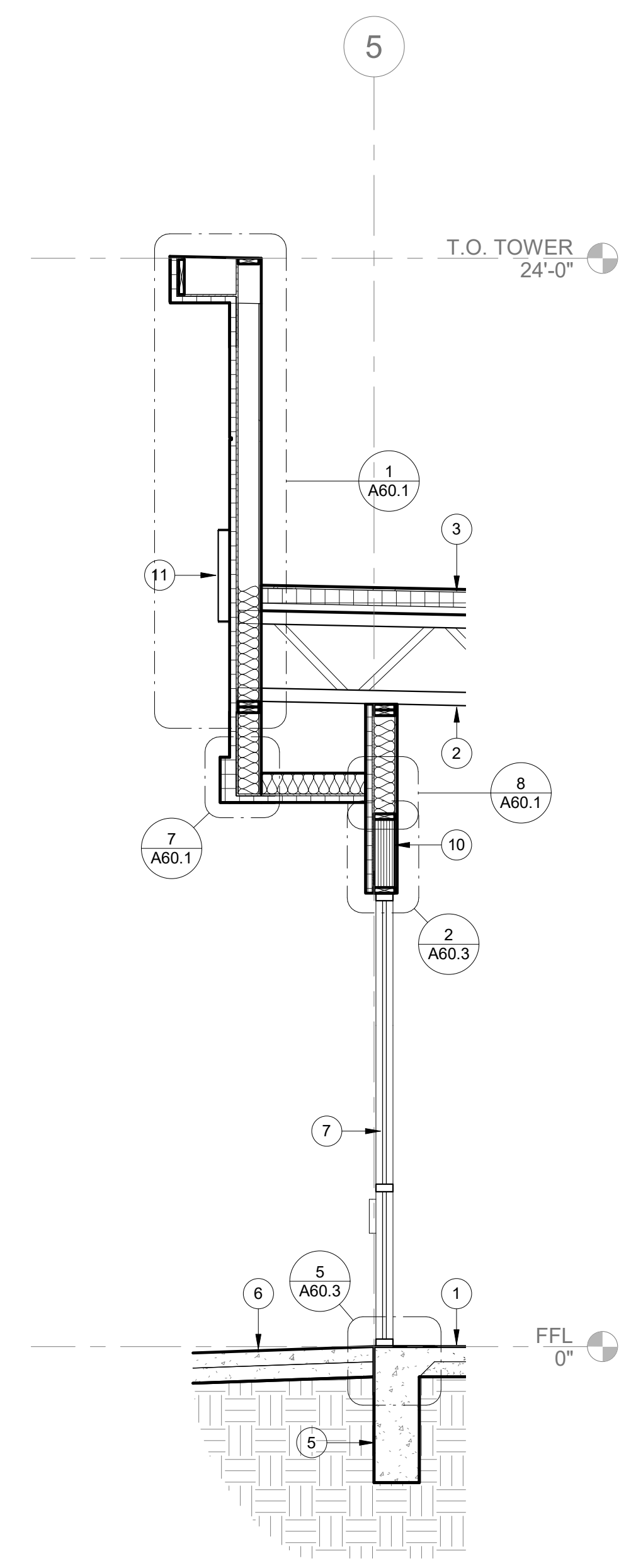
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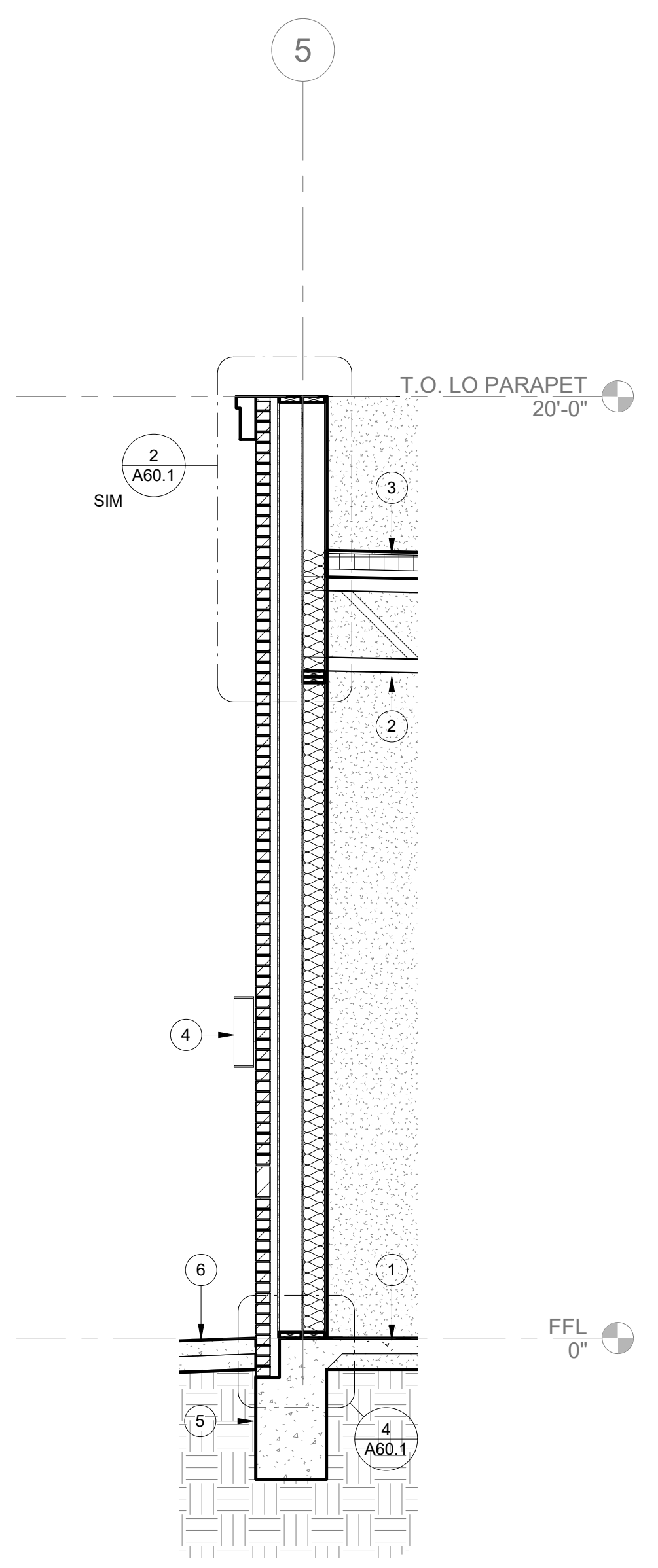


WALL SECTIONS

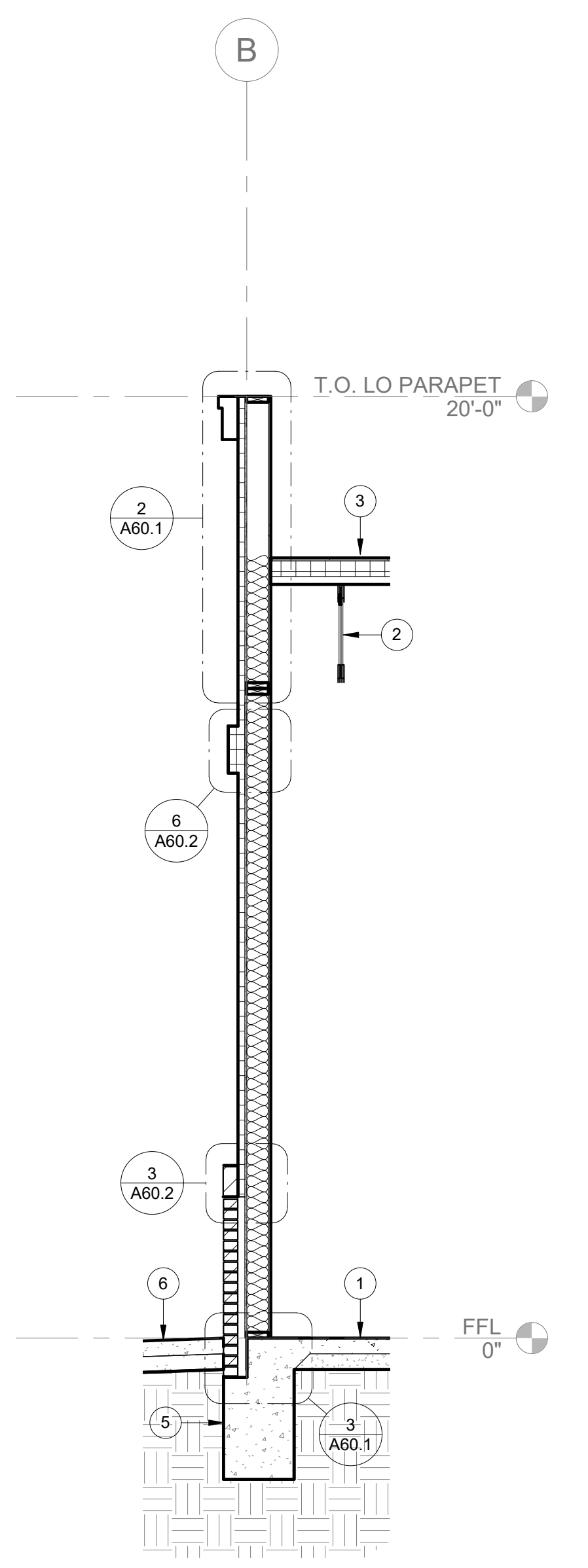
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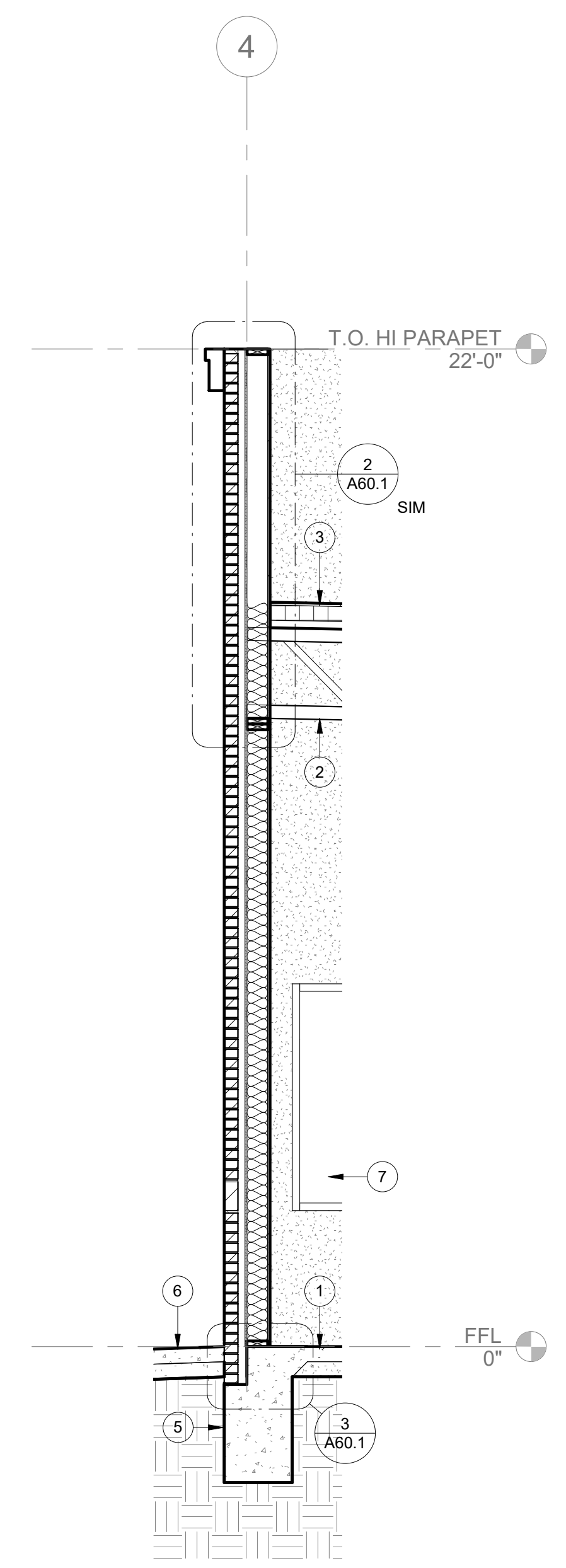
1 WALL SECTION
3/8" = 1'-0"



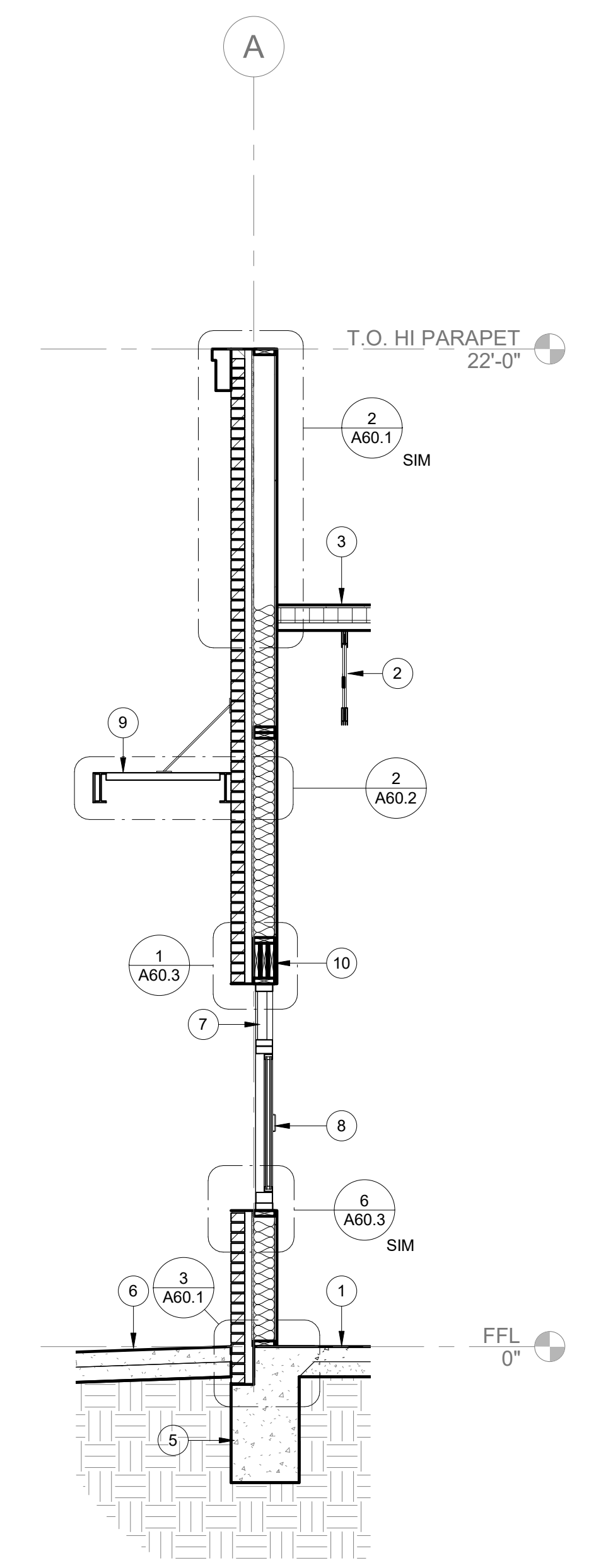
2 WALL SECTION
3/8" = 1'-0"



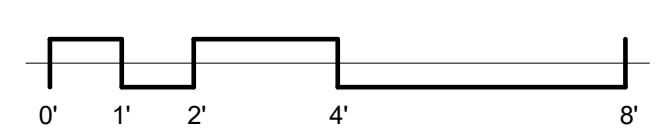
3 WALL SECTION
3/8" = 1'-0"



4 WALL SECTION
3/8" = 1'-0"



5 WALL SECTION
3/8" = 1'-0"



GENERAL NOTES

1. ALL DIMENSIONS ON THESE SECTIONS ARE MEASURED TO GRID LINE AND/OR FACE OF STUD, U.N.O.
2. REF. SHEET A30.1 FOR EXTERIOR FINISH LEGEND.
3. REF. SHEET A70.0 FOR DOOR SCHEDULE AND WINDOW TYPES.

KEYNOTE LEGEND

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2	PRE-FABRICATED WOOD TRUSSES, REF. STRUCT
3	SINGLE-PLY MEMBRANE ROOFING ASSEMBLY, REF. ROOF PLAN
4	DOOR, REF. FLOOR PLAN AND SCHEDULES
5	LIGHT FIXTURE, TYP. REF. ELEC
6	BUILDING SIGNAGE, PROVIDE BLOCKING & POWER AS REQ'D. COORDINATE WITH TENANT
7	CONCRETE FOUNDATION, REF. STRUCT
8	SIDEWALK, REF. SITE PLAN
9	WOOD LINTEL, REF. STRUCT
10	STOREFRONT SYSTEM, REF. FLOOR PLAN AND SCHEDULES

PROJECT INFO

CLIENT:
COVENANT GROUP, LLC

PROJECT:
COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

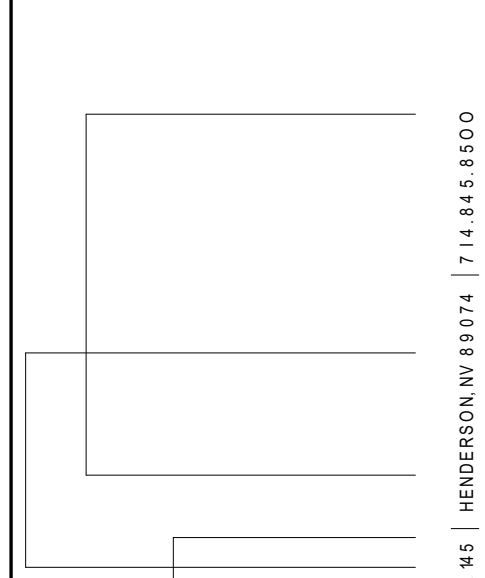
ADDRESS:
400 NW CHIPMAN RD
LEE'S SUMMIT, MO 64806

PROJECT NO: 267

MAIN CONTACT

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7701 E KELLOGG DR, STE 630
WICHITA, KS 67207
(316) 302-4472
chris@clarkitecture.net

DEVELOPER



COVENANT
REAL
ESTATE
GROUP

2480 PASSED VERDE Pkwy, SUITE N4 | HENDERSON, NV 89074 | 714.845.8500

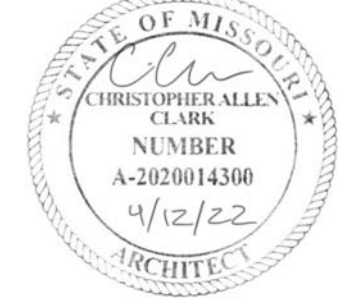
SHEET INFO

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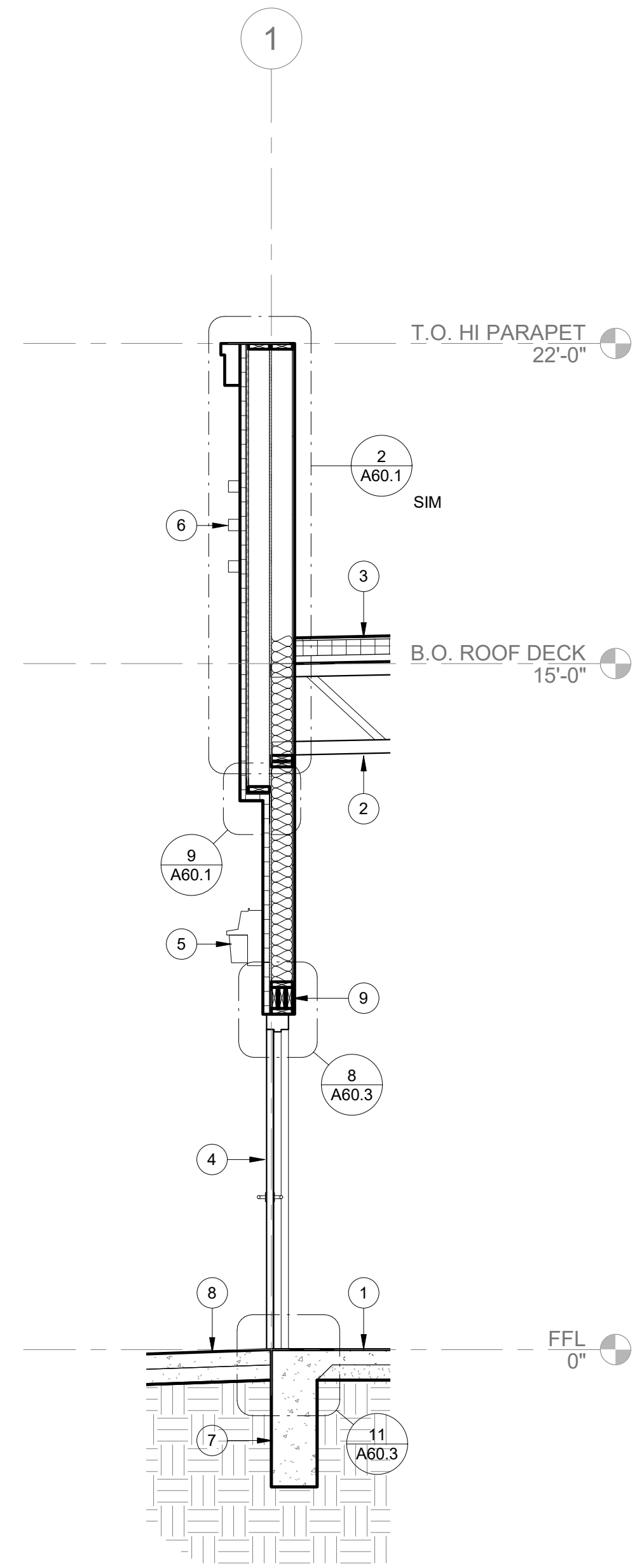
REVISION SCHEDULE		
NO	DESCRIPTION	DATE

PROFESSIONAL'S SEAL:

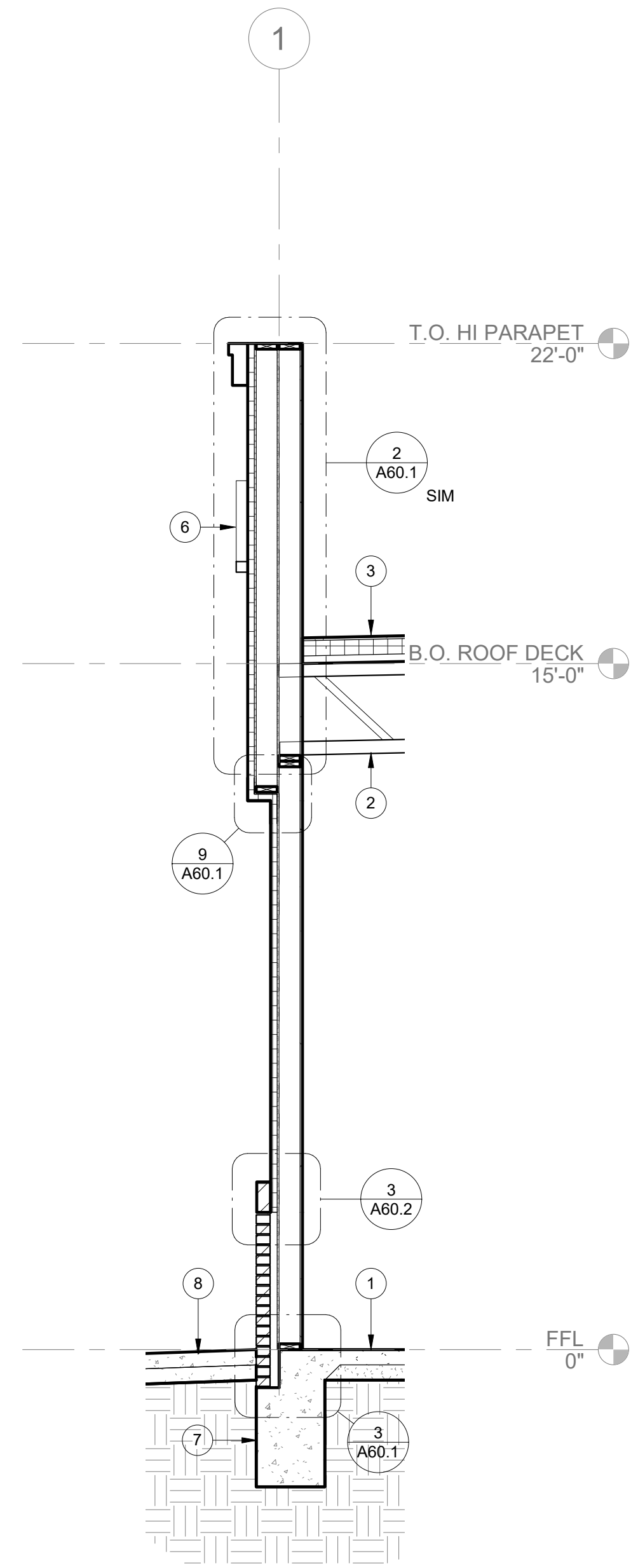


WALL SECTIONS

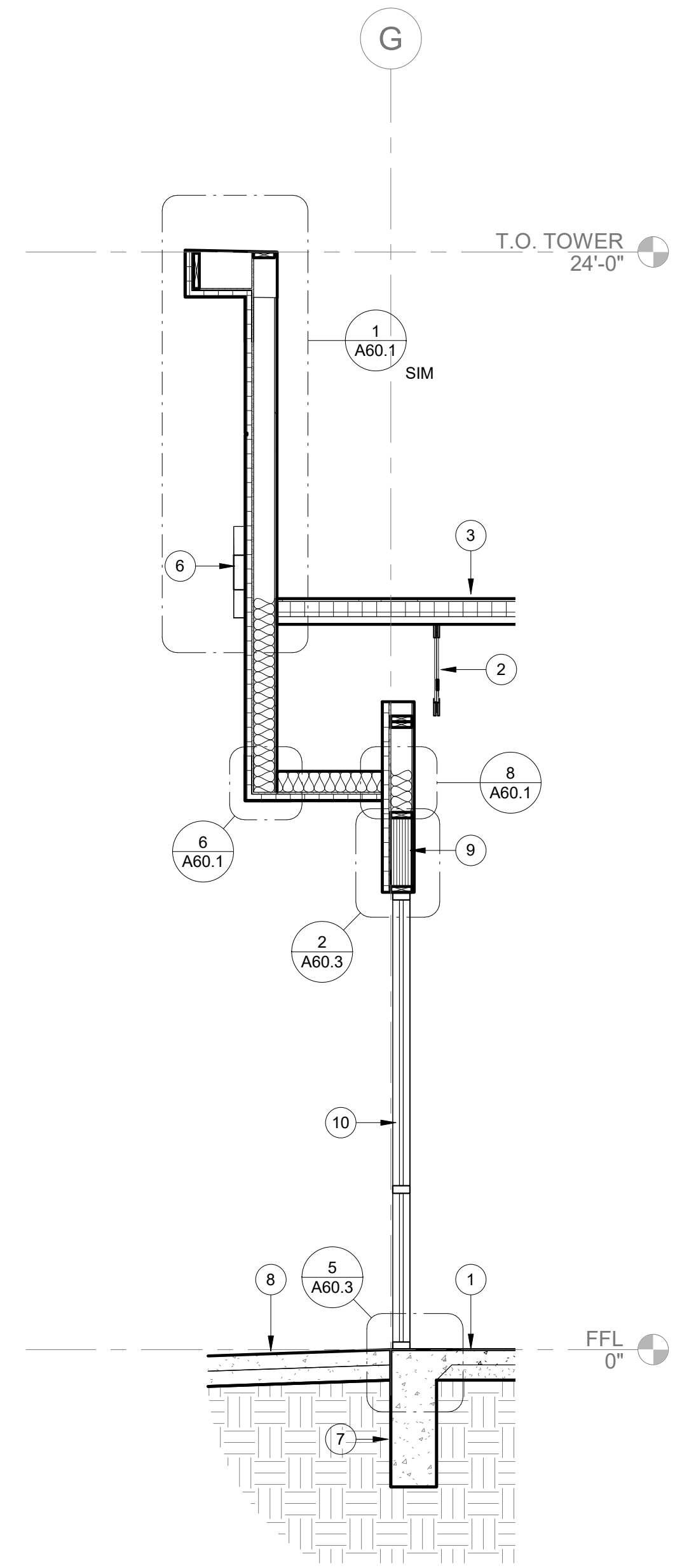
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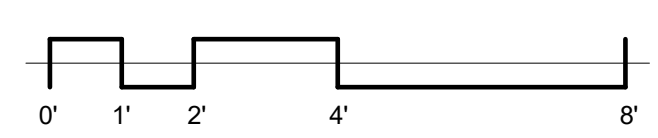
1 WALL SECTION
3/8" = 1'-0"



2 WALL SECTION
3/8" = 1'-0"



3 WALL SECTION
3/8" = 1'-0"



PROJECT INFO

CLIENT:
COVENANT GROUP, LLC

PROJECT:
COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

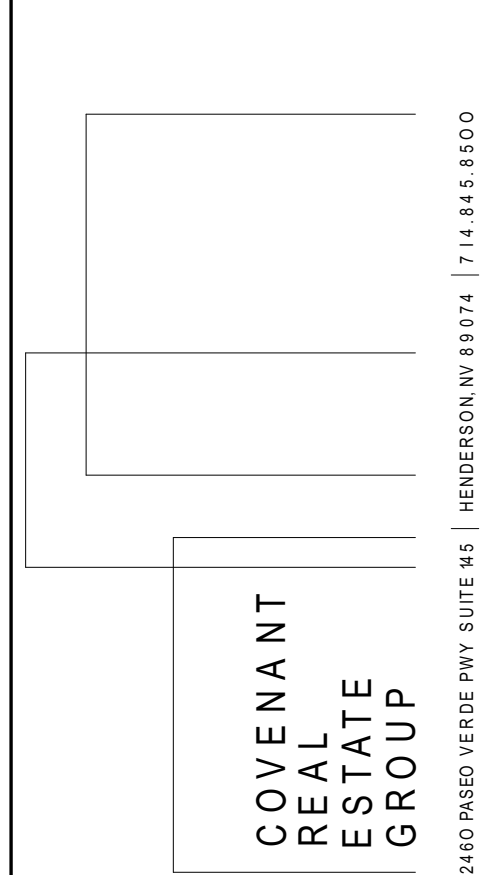
ADDRESS:
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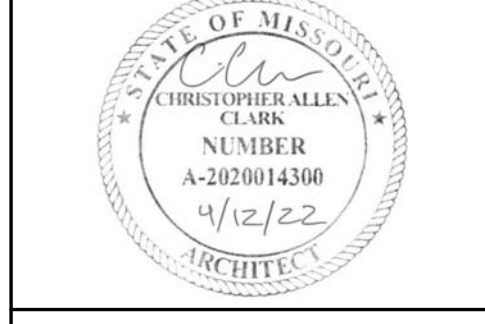


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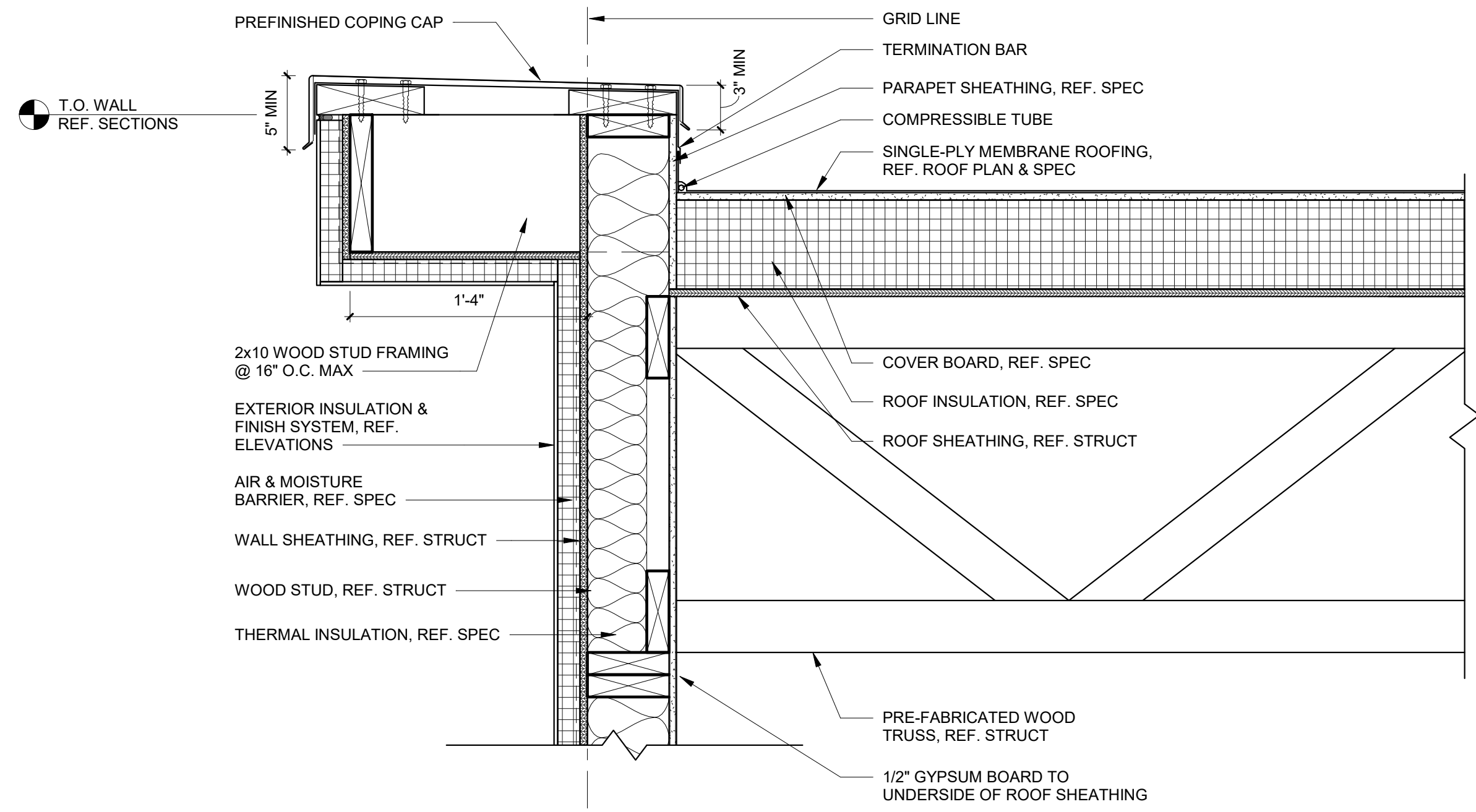
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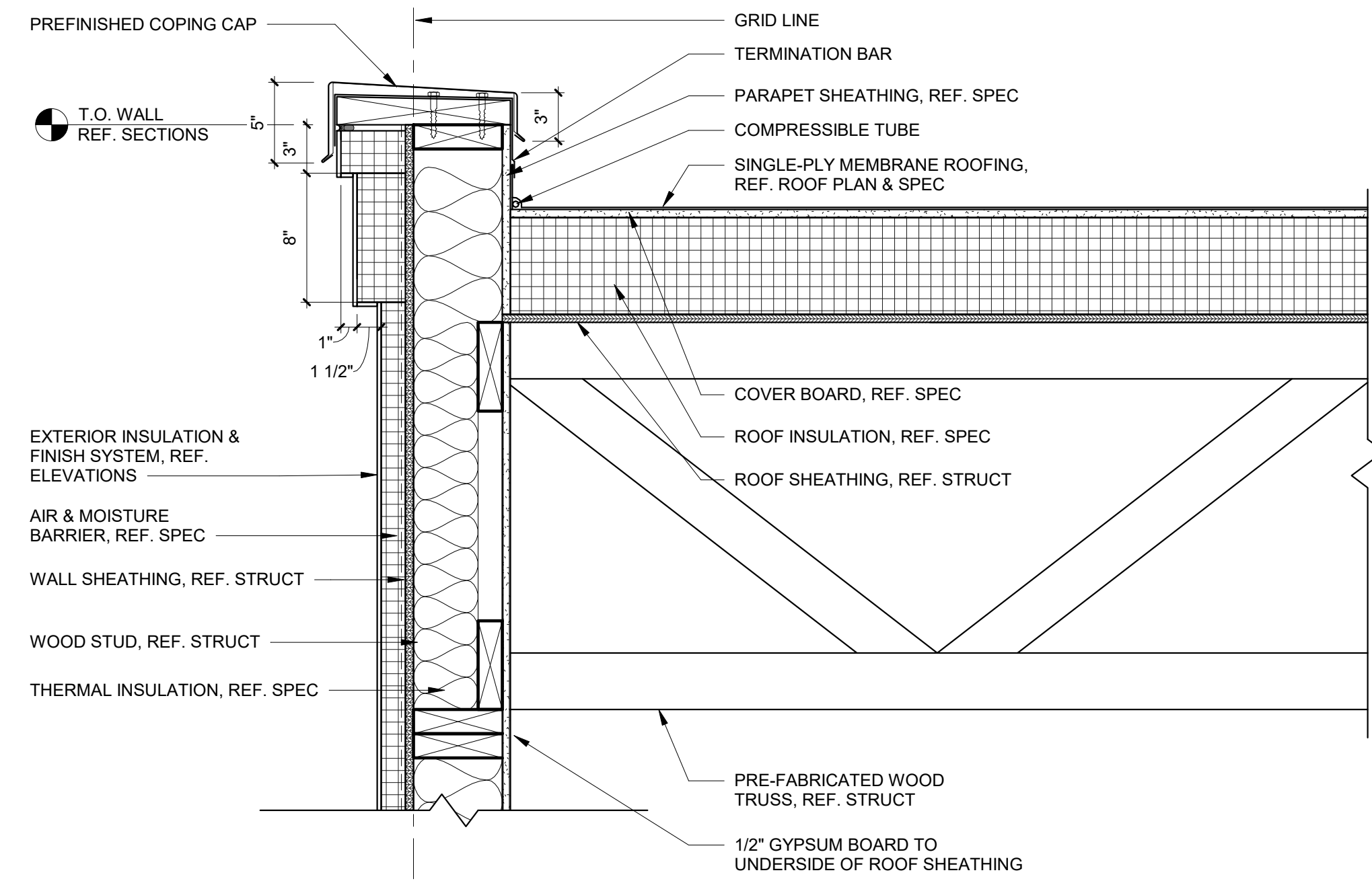
PROFESSIONAL'S SEAL:



DETAILS

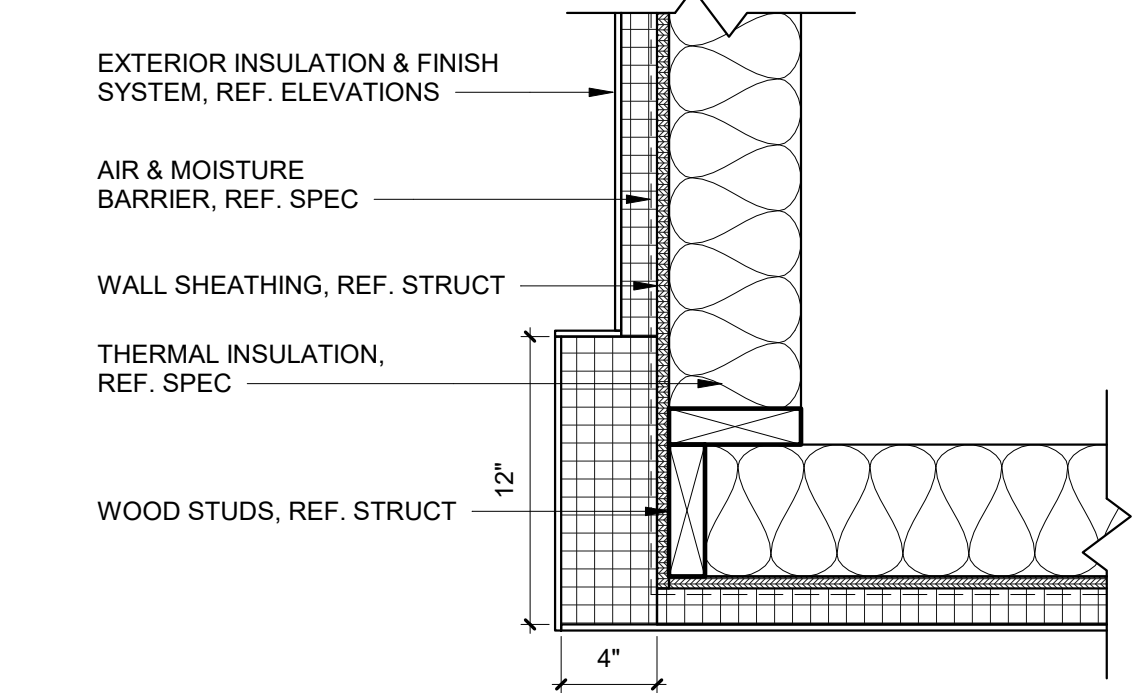


1 PARAPET DETAIL / CORNICE TYPE A
1 1/2" = 1'-0"

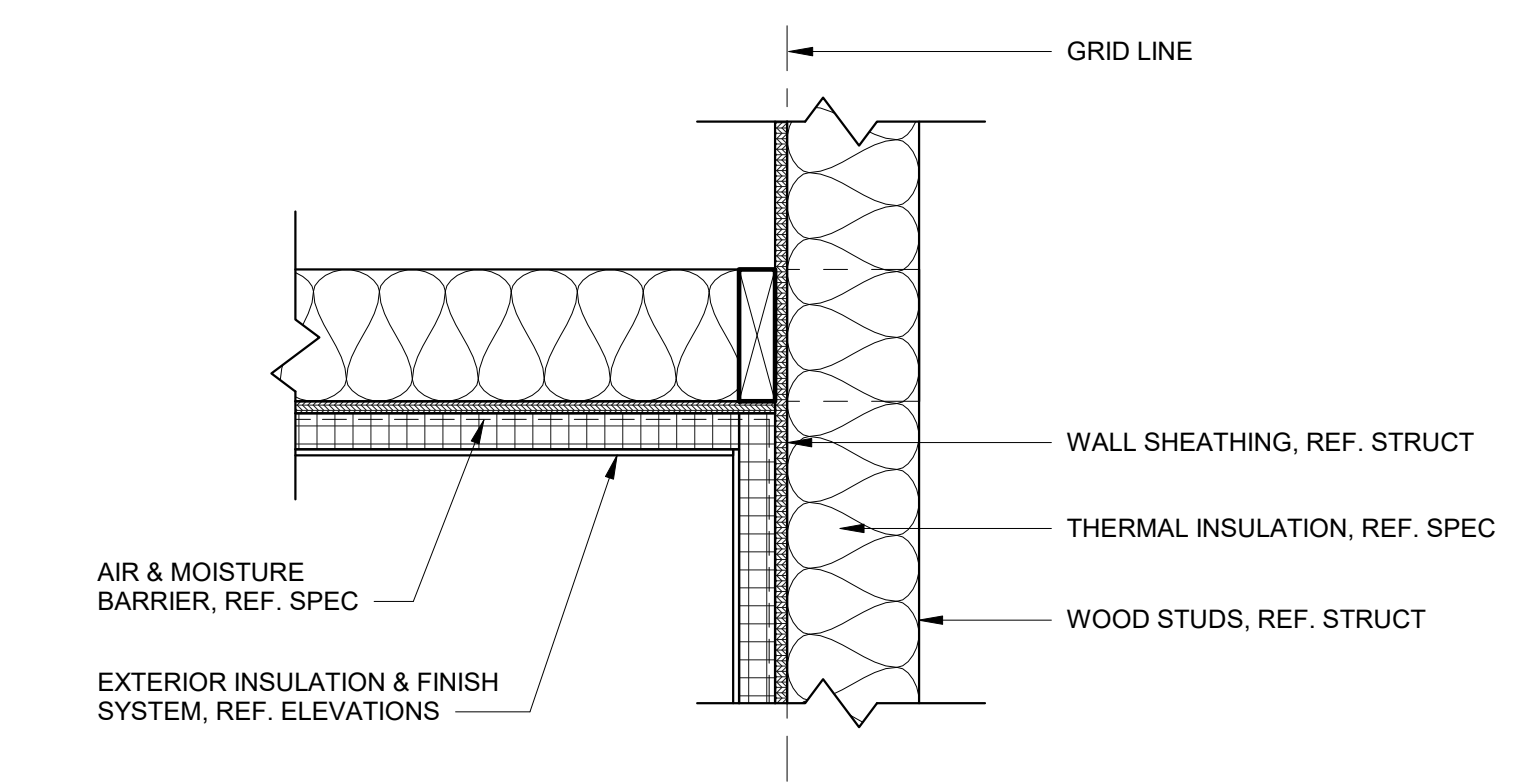


2 PARAPET DETAIL / CORNICE TYPE B
1 1/2" = 1'-0"

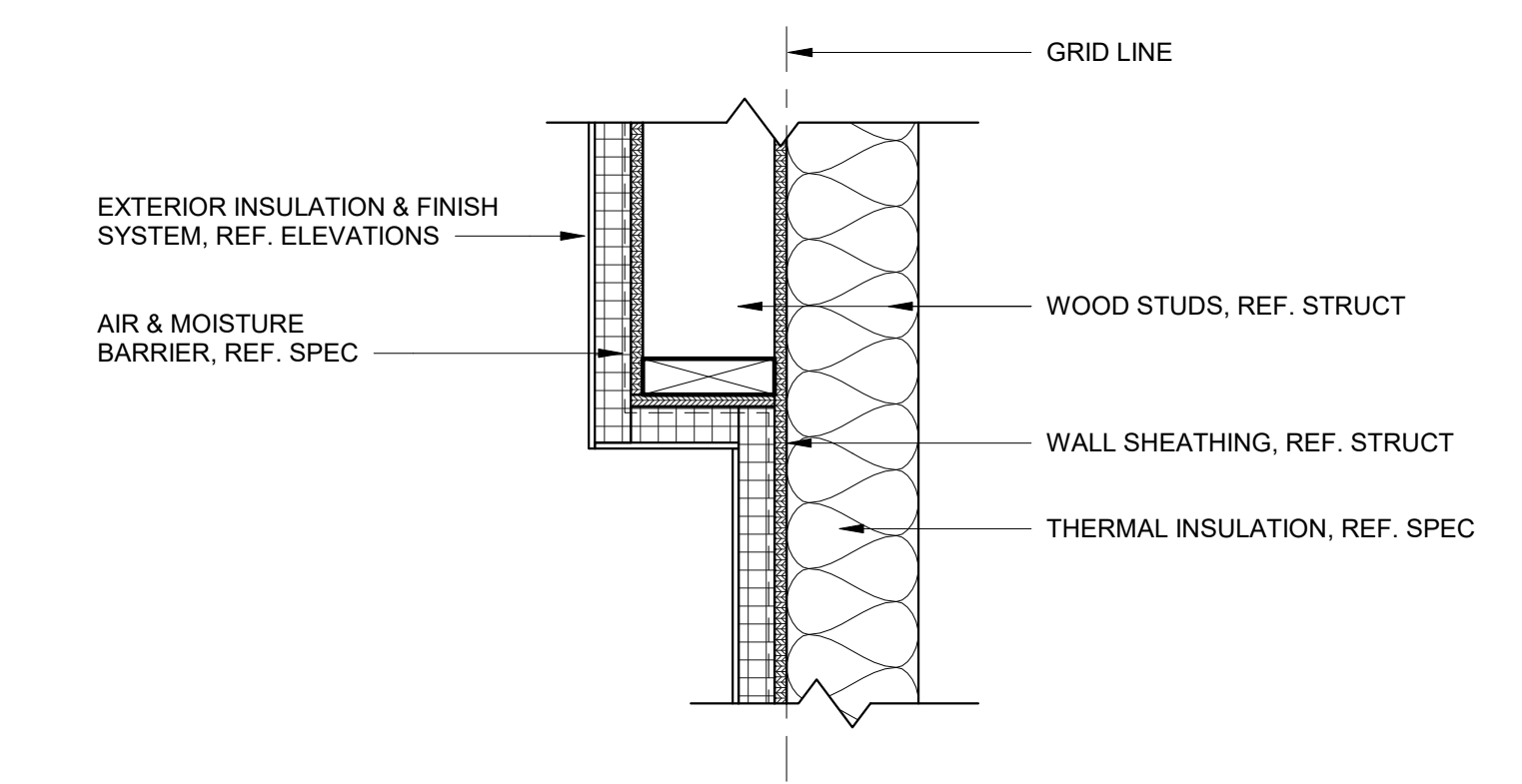
6 SOFFIT / OUTSIDE CORNER
1 1/2" = 1'-0"



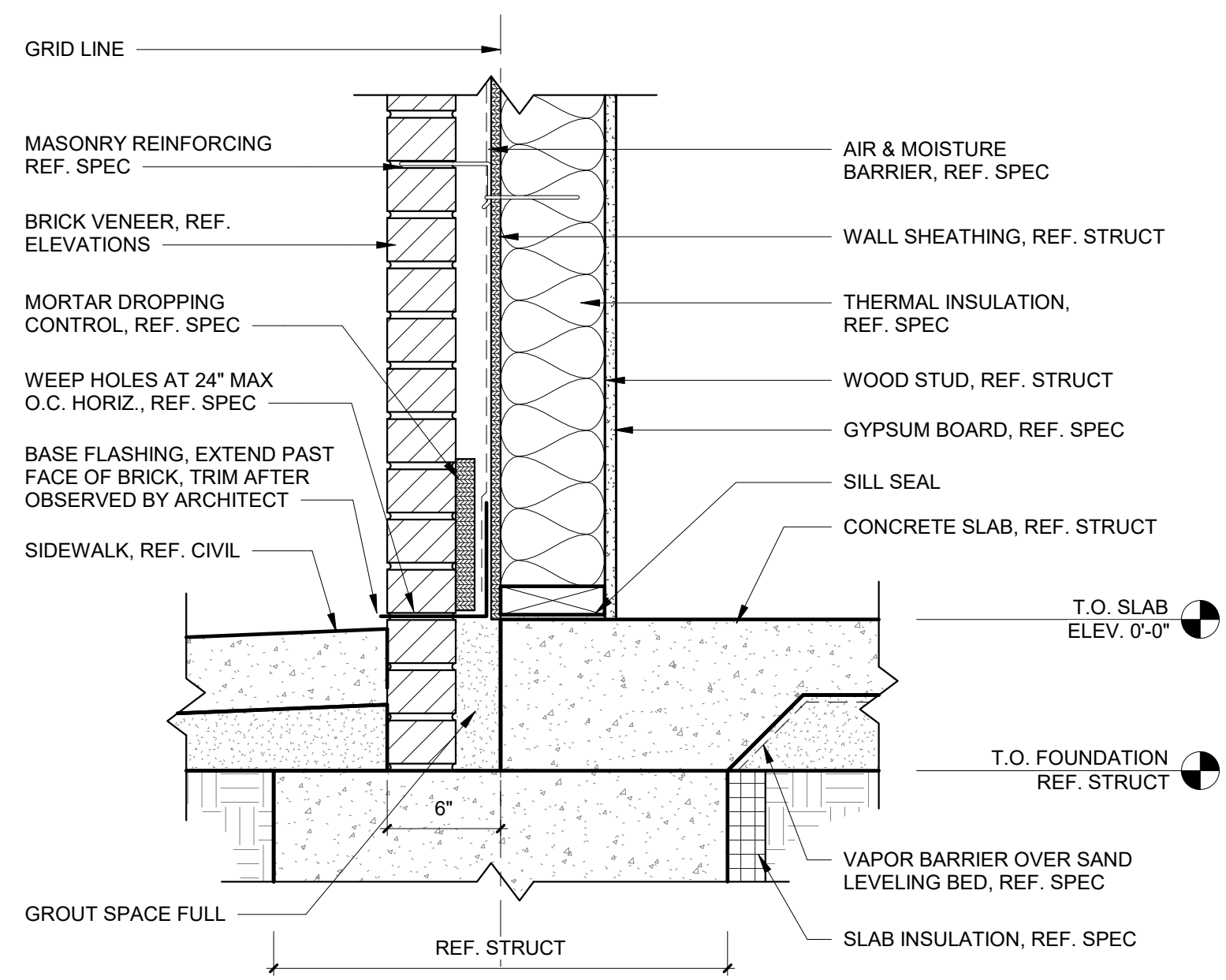
7 SOFFIT / OUTSIDE CORNER W/ BAND
1 1/2" = 1'-0"



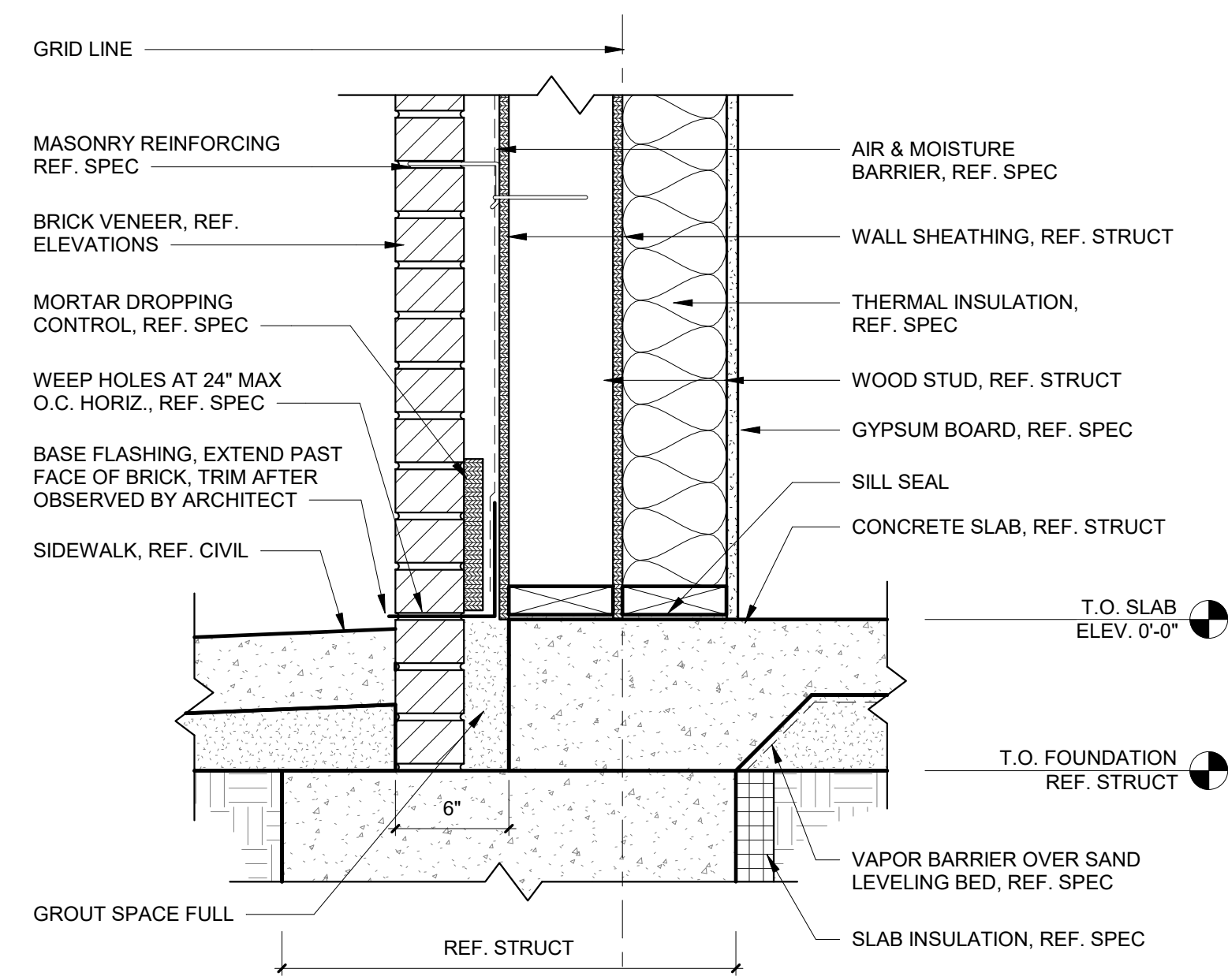
8 SOFFIT / INSIDE CORNER
1 1/2" = 1'-0"



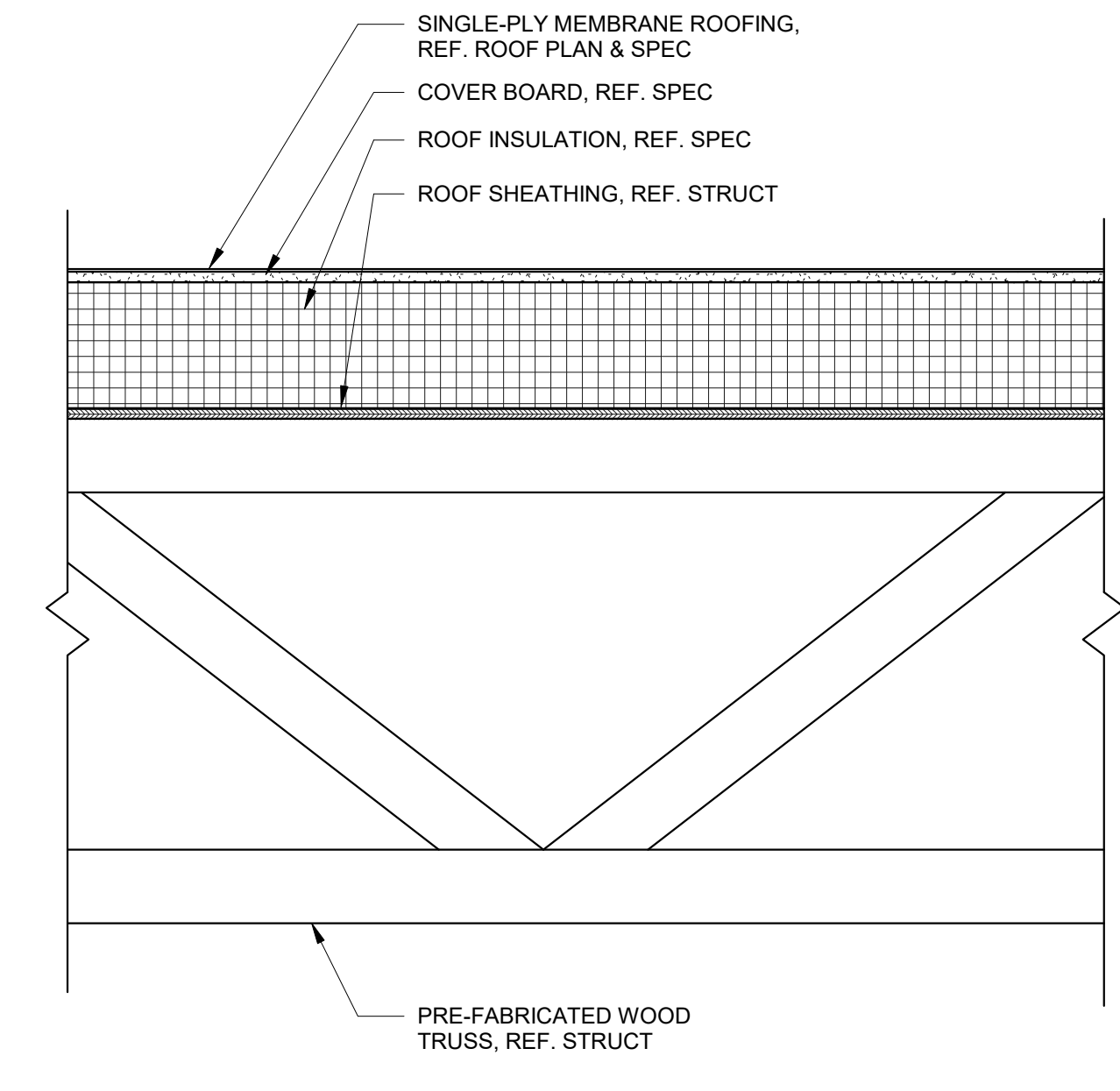
9 DOUBLE STUD TRANSITION
1 1/2" = 1'-0"



3 BASE OF WALL @ BRICK / 1X STUD
1 1/2" = 1'-0"



4 BASE OF WALL @ BRICK / 2X STUD
1 1/2" = 1'-0"



5 ROOF ASSEMBLY DETAIL
1 1/2" = 1'-0"

PROJECT INFO

CLIENT:
COVENANT GROUP, LLC

PROJECT:
COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

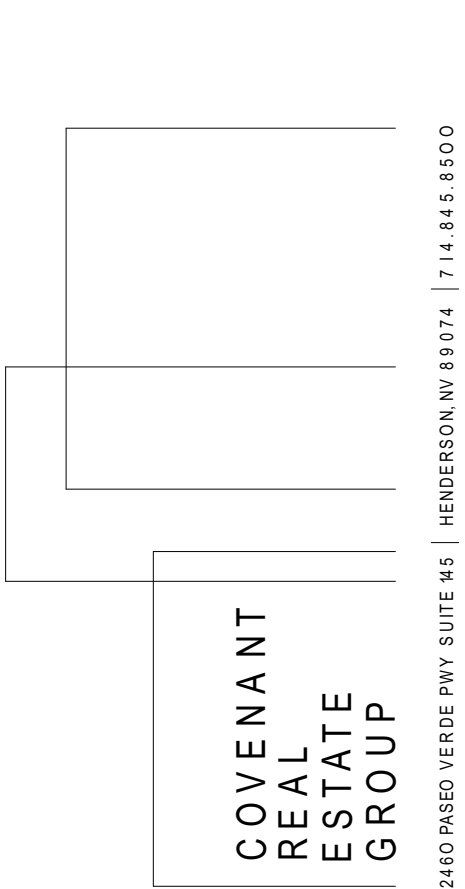
ADDRESS:
400 NW CHIPMAN RD
LEE'S SUMMIT, MO 64806

PROJECT NO.: 267

MAIN CONTACT

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WICHITA, KS 67207
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DEVELOPER



SHEET INFO

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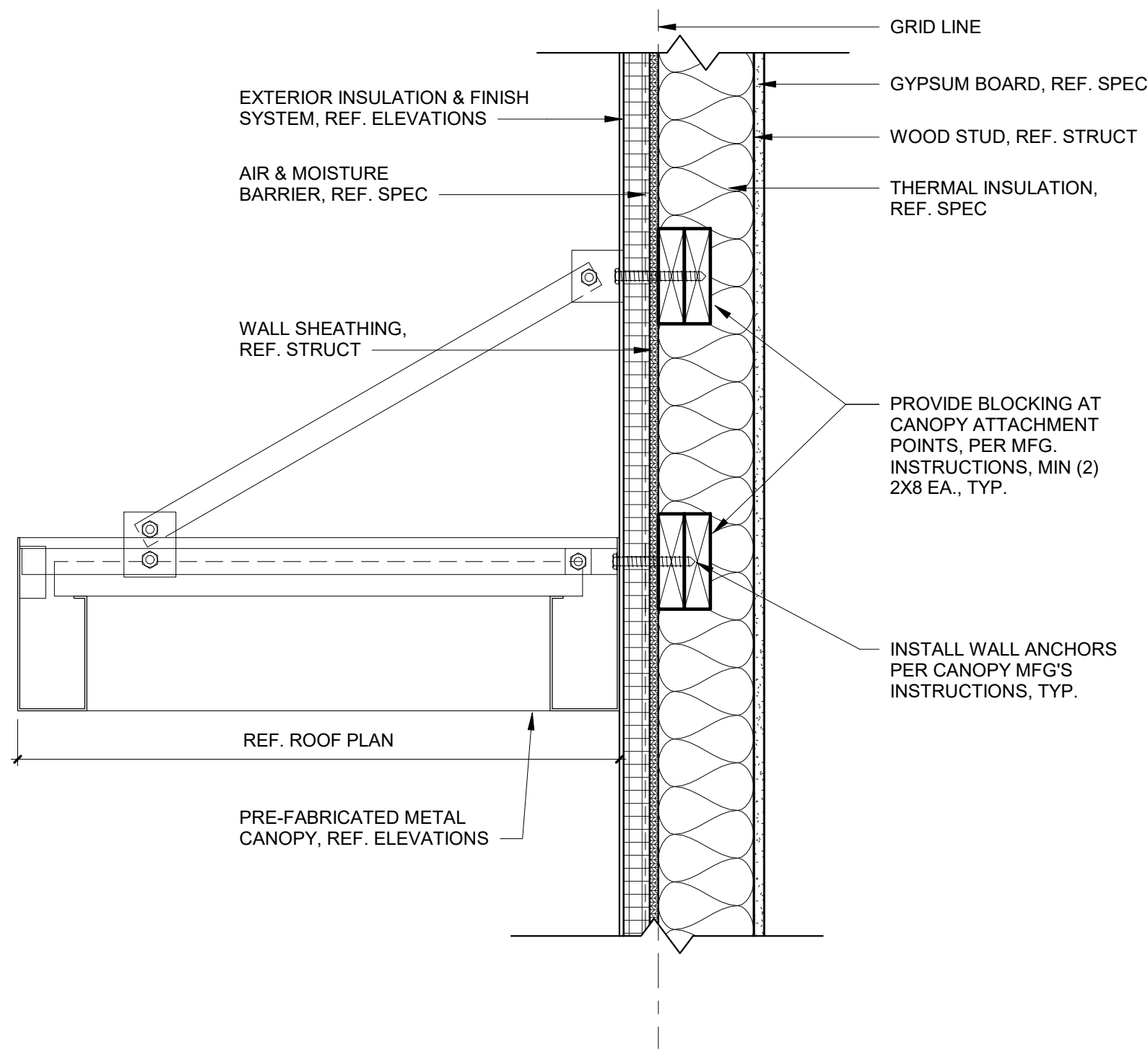
NO	DESCRIPTION	DATE

PROFESSIONAL'S SEAL:

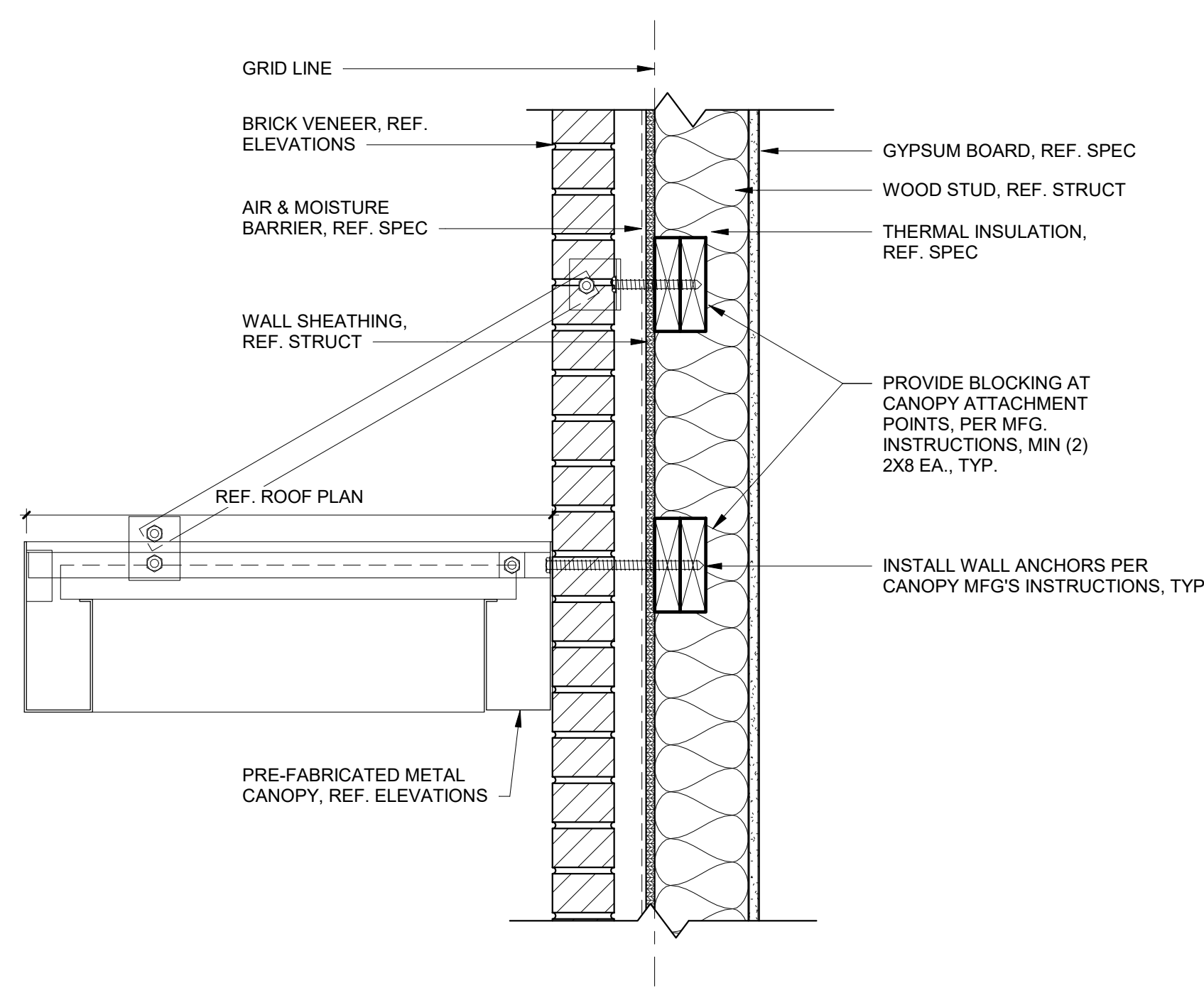


DETAILS

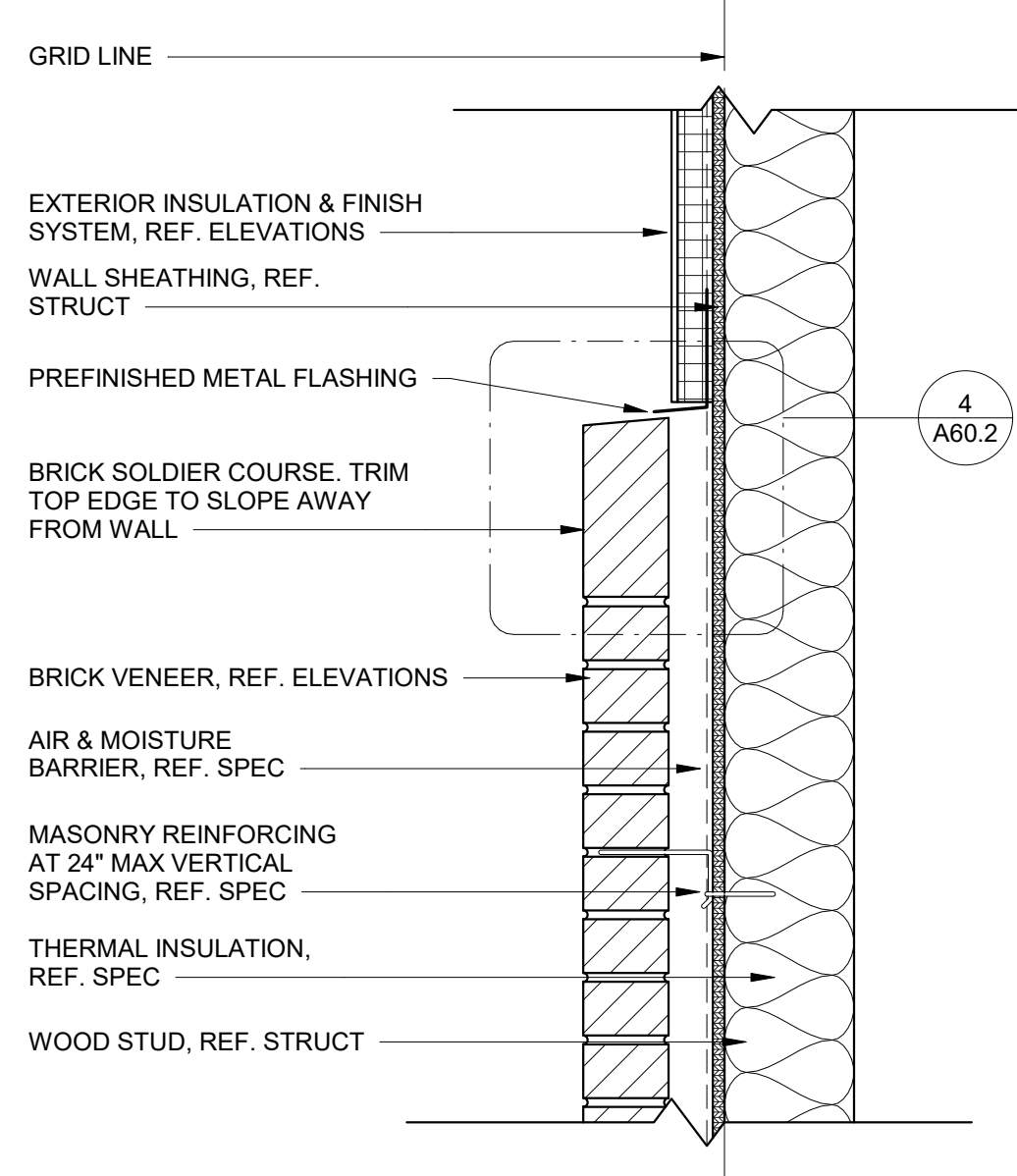
A60.2



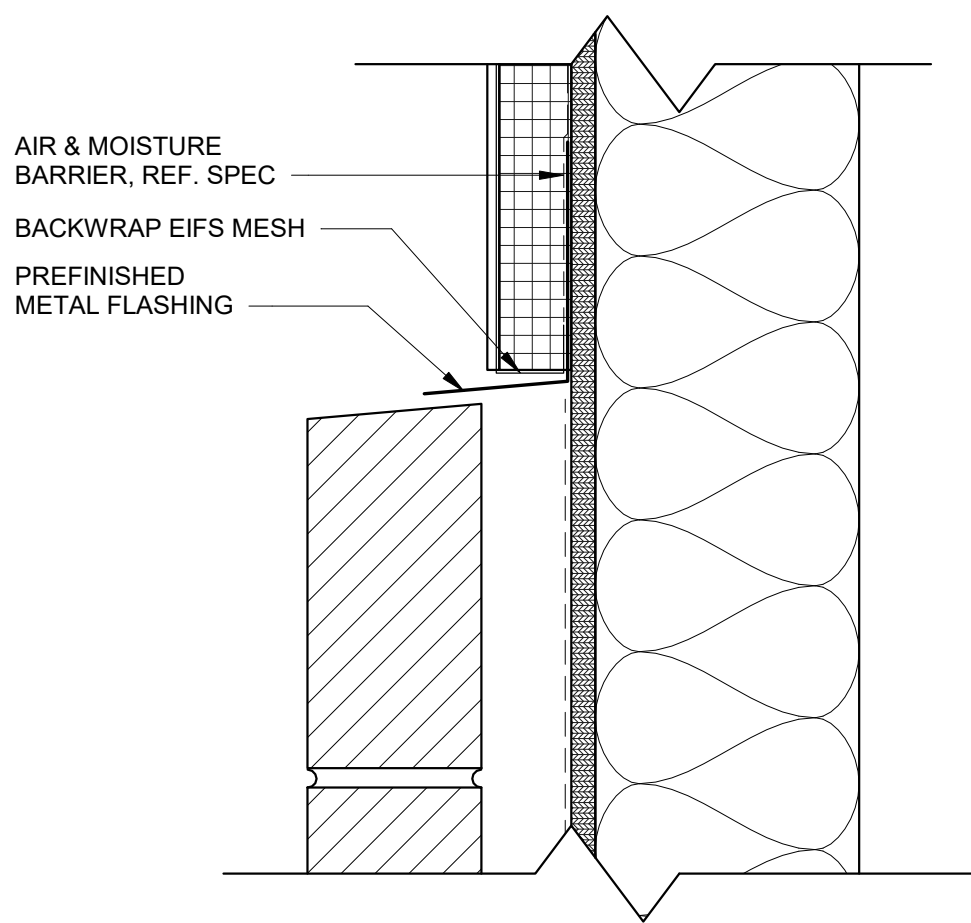
1 CANOPY @ EIFS
1 1/2" = 1'-0"



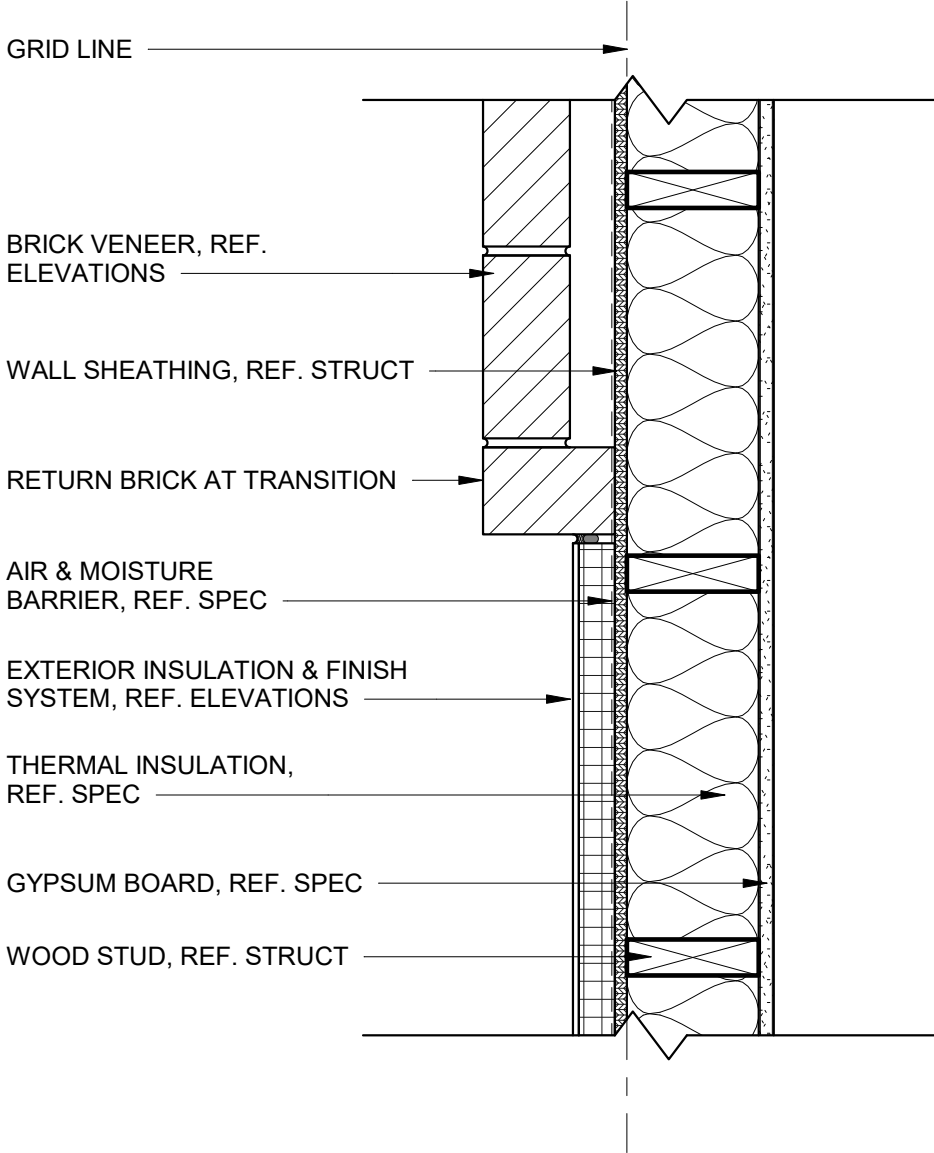
2 CANOPY @ BRICK
1 1/2" = 1'-0"



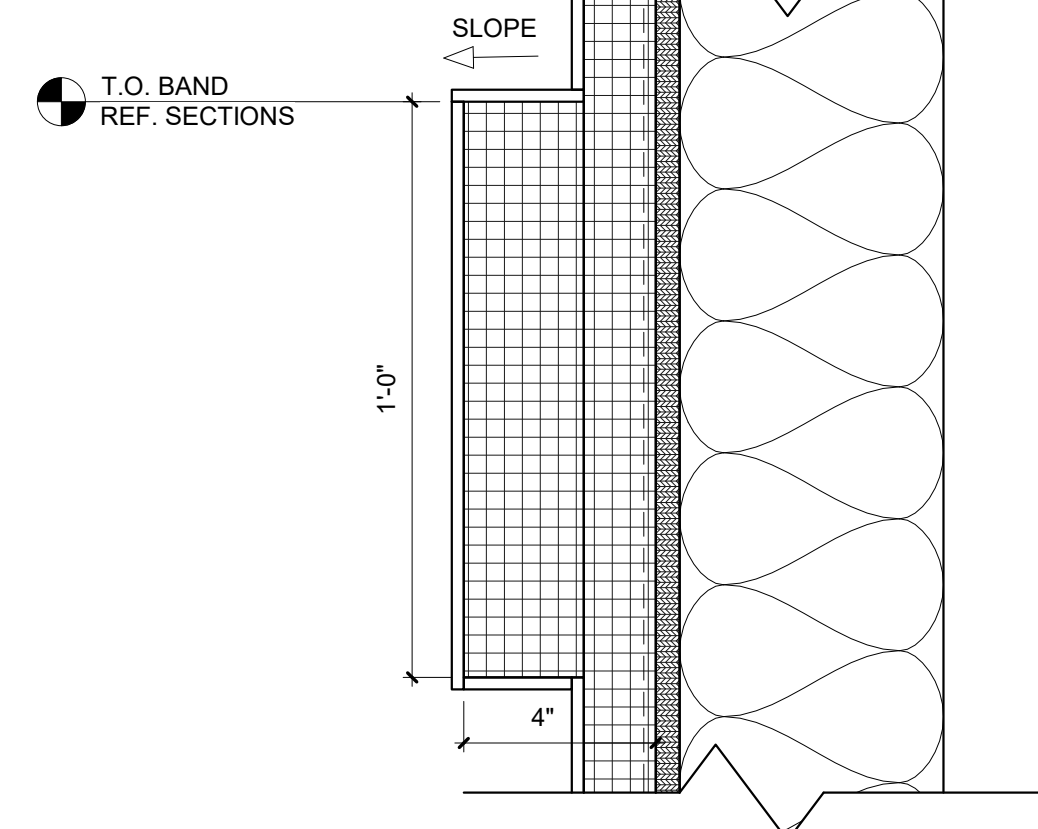
3 BRICK TO EIFS TRANSITION (SECTION)
1 1/2" = 1'-0"



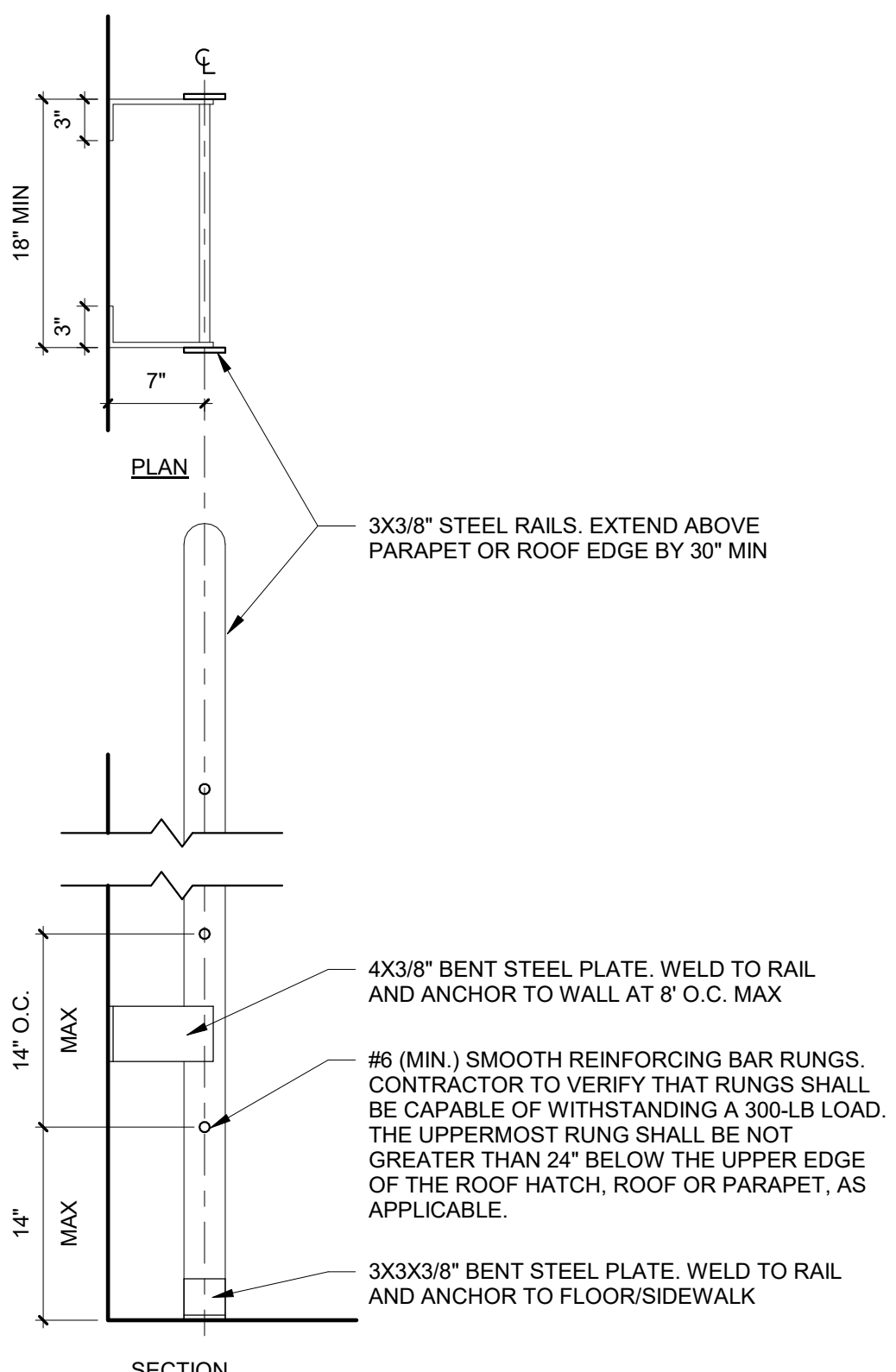
4 SOLDIER COURSE (ENLARGED)
3" = 1'-0"



5 BRICK TO EIFS TRANSITION (PLAN)
1 1/2" = 1'-0"



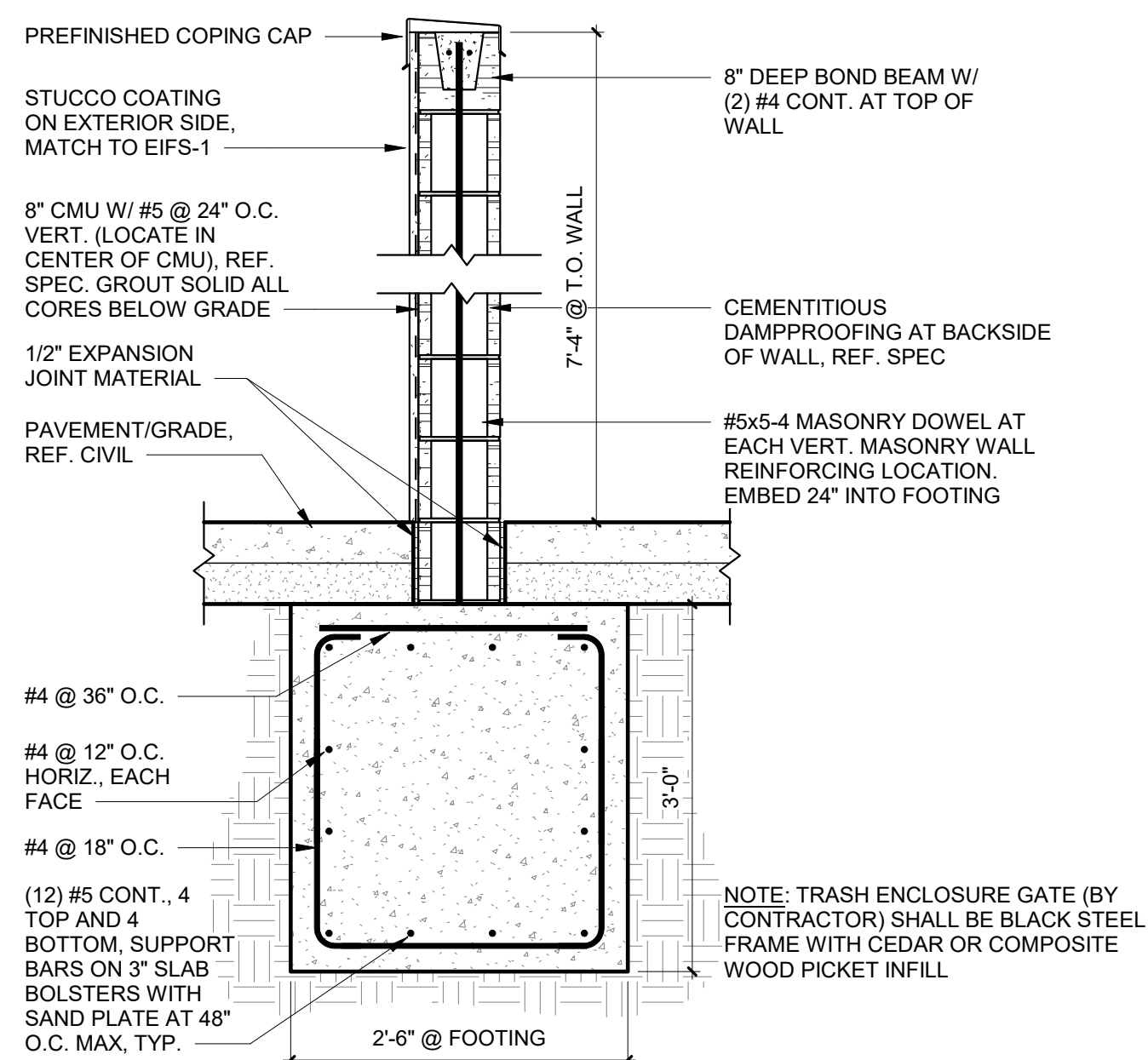
6 EIFS ACCENT BAND
3" = 1'-0"



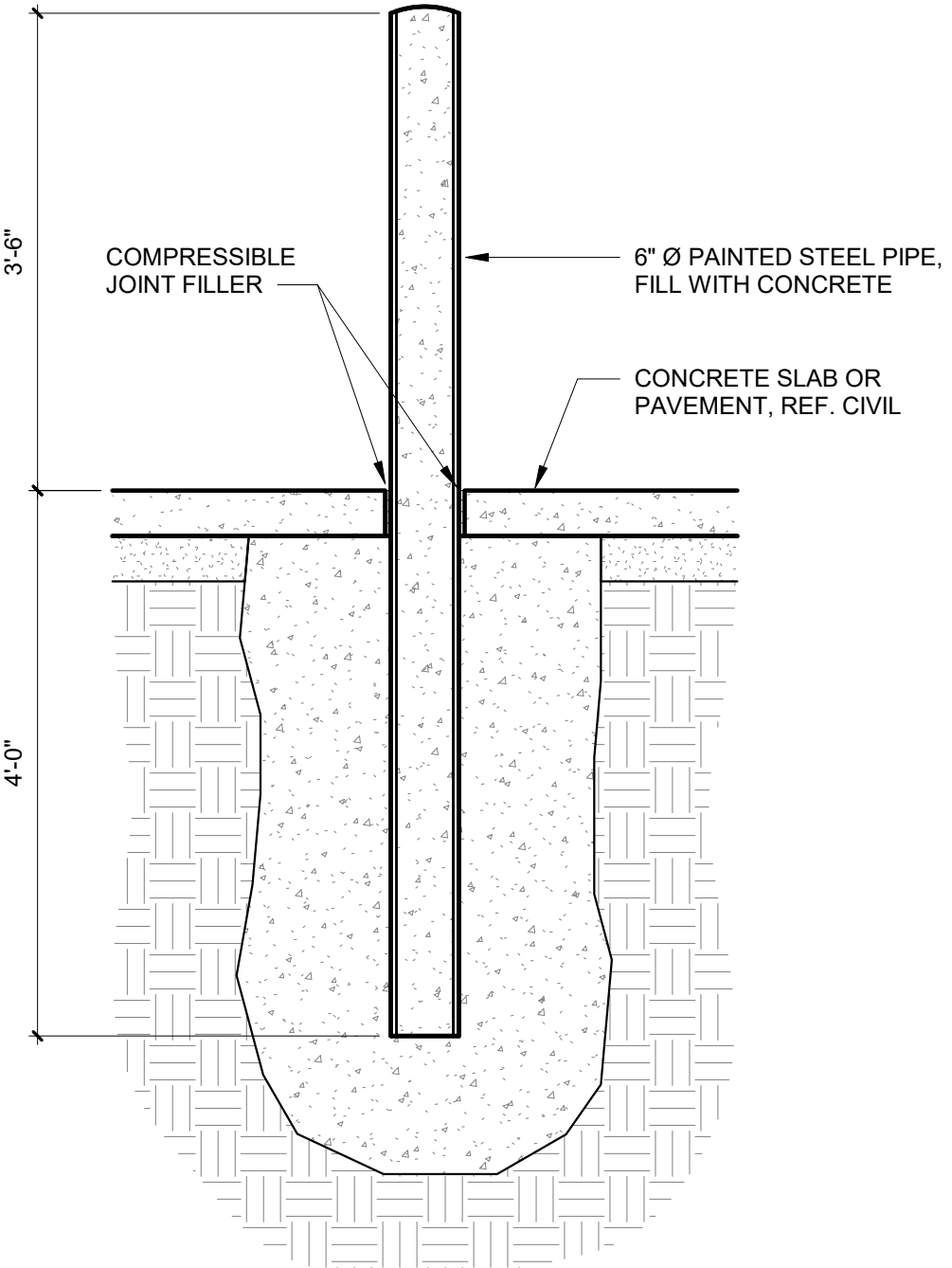
7 ROOF ACCESS LADDER
1" = 1'-0"

NOTE: PAINT LADDER TO PROTECT AGAINST CORROSION. COLOR TO BE SELECTED BY ARCHITECT.

CONTRACTOR SHALL PROVIDE A LOCKING SECURITY LADDER GUARD.



8 TRASH ENCLOSURE SECTION
3/4" = 1'-0"



9 BOLLARD
3/4" = 1'-0"

PROJECT INFO

CLIENT:
COVENANT GROUP, LLC

PROJECT:
COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

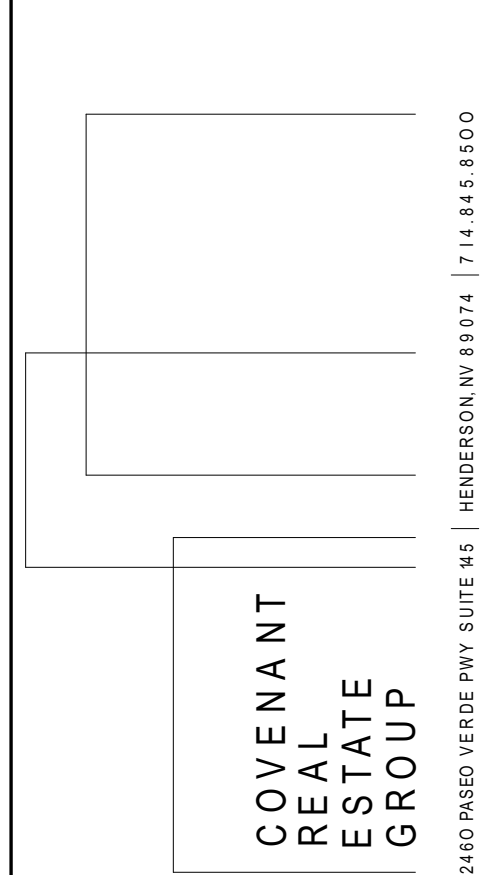
ADDRESS:
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MAIN CONTACT

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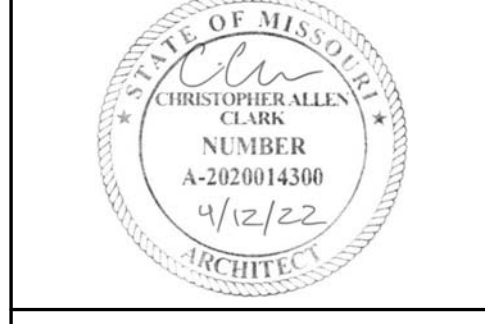


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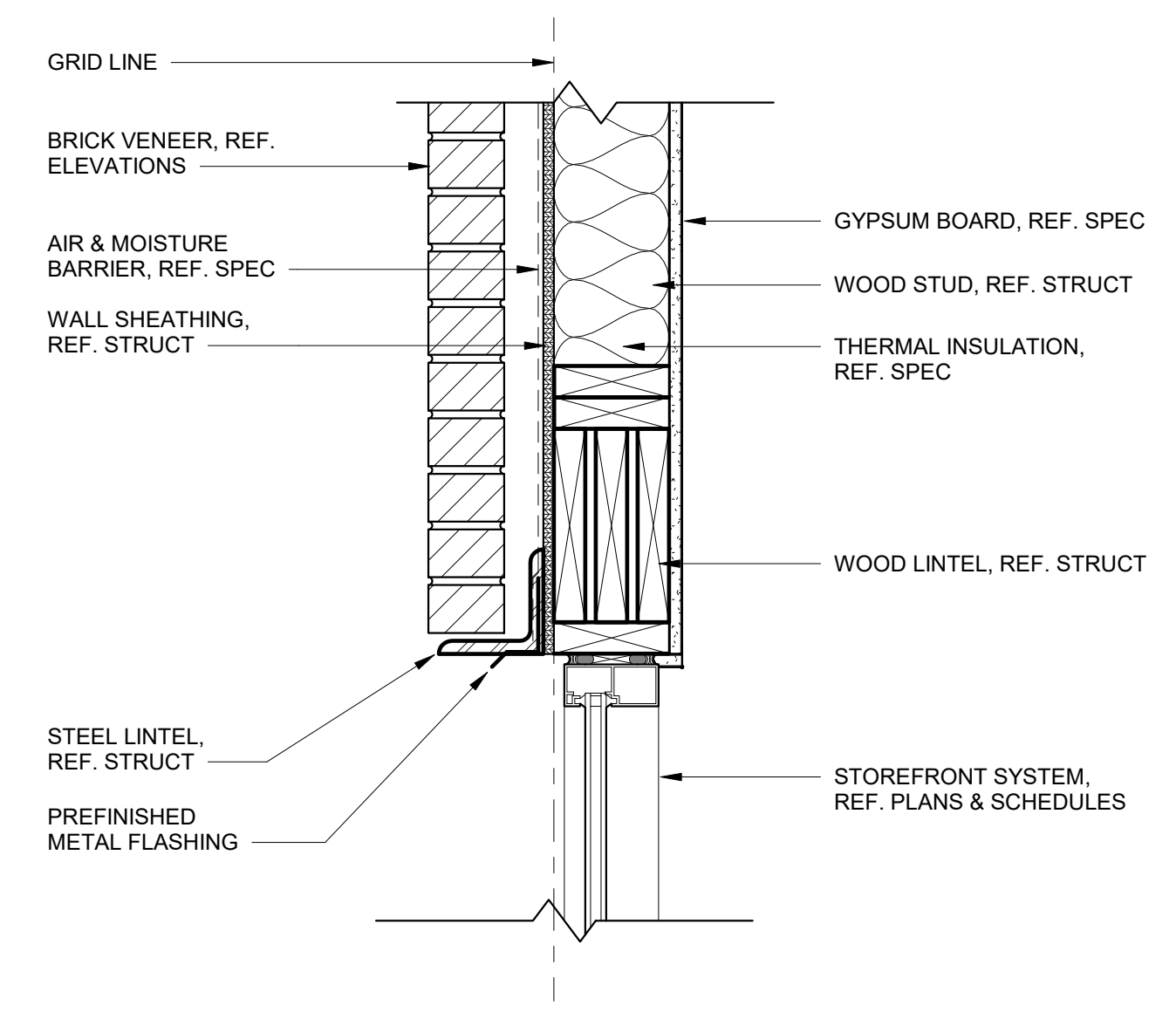
ISSUE DATE: 04/12/22
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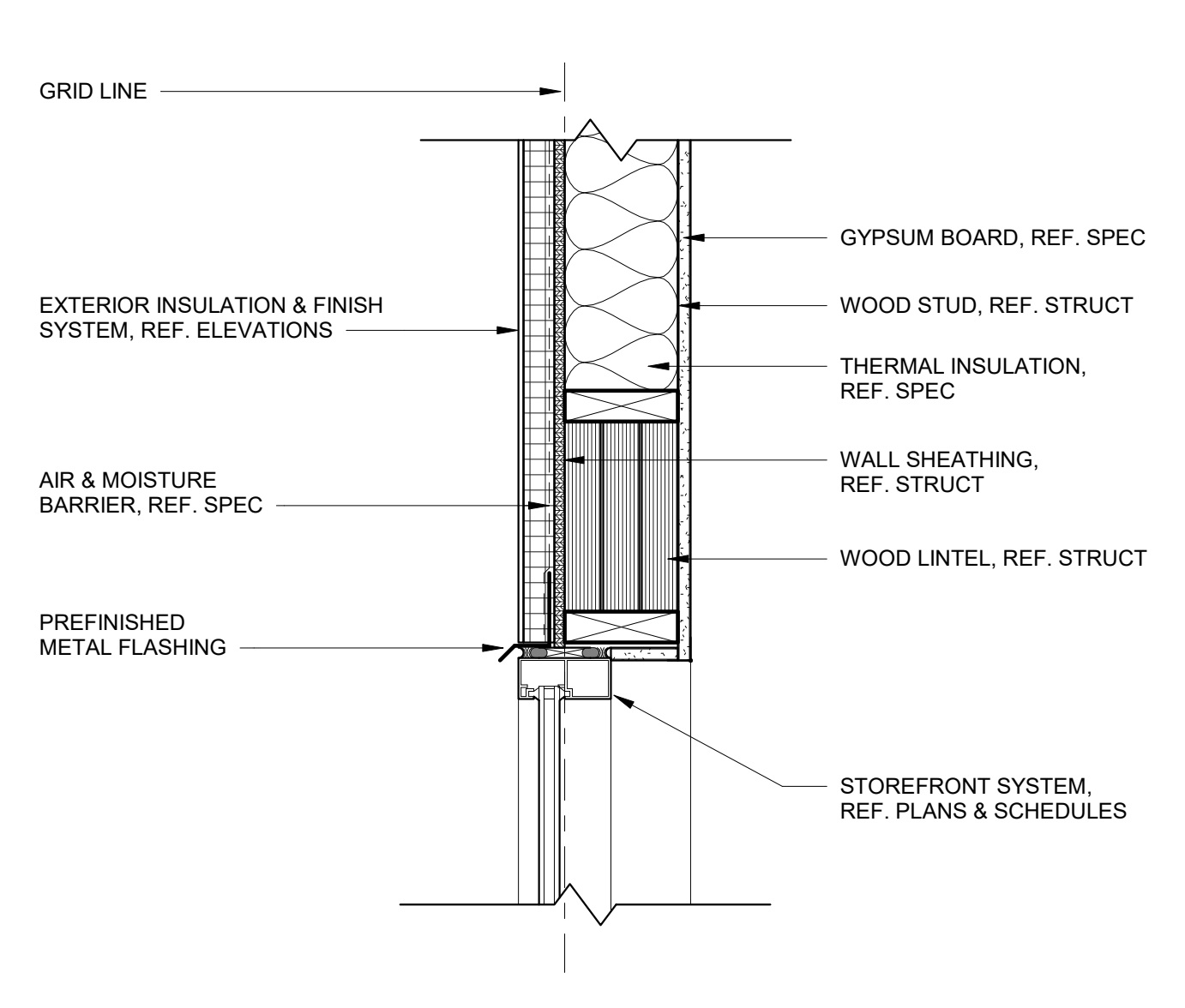
PROFESSIONAL'S SEAL:



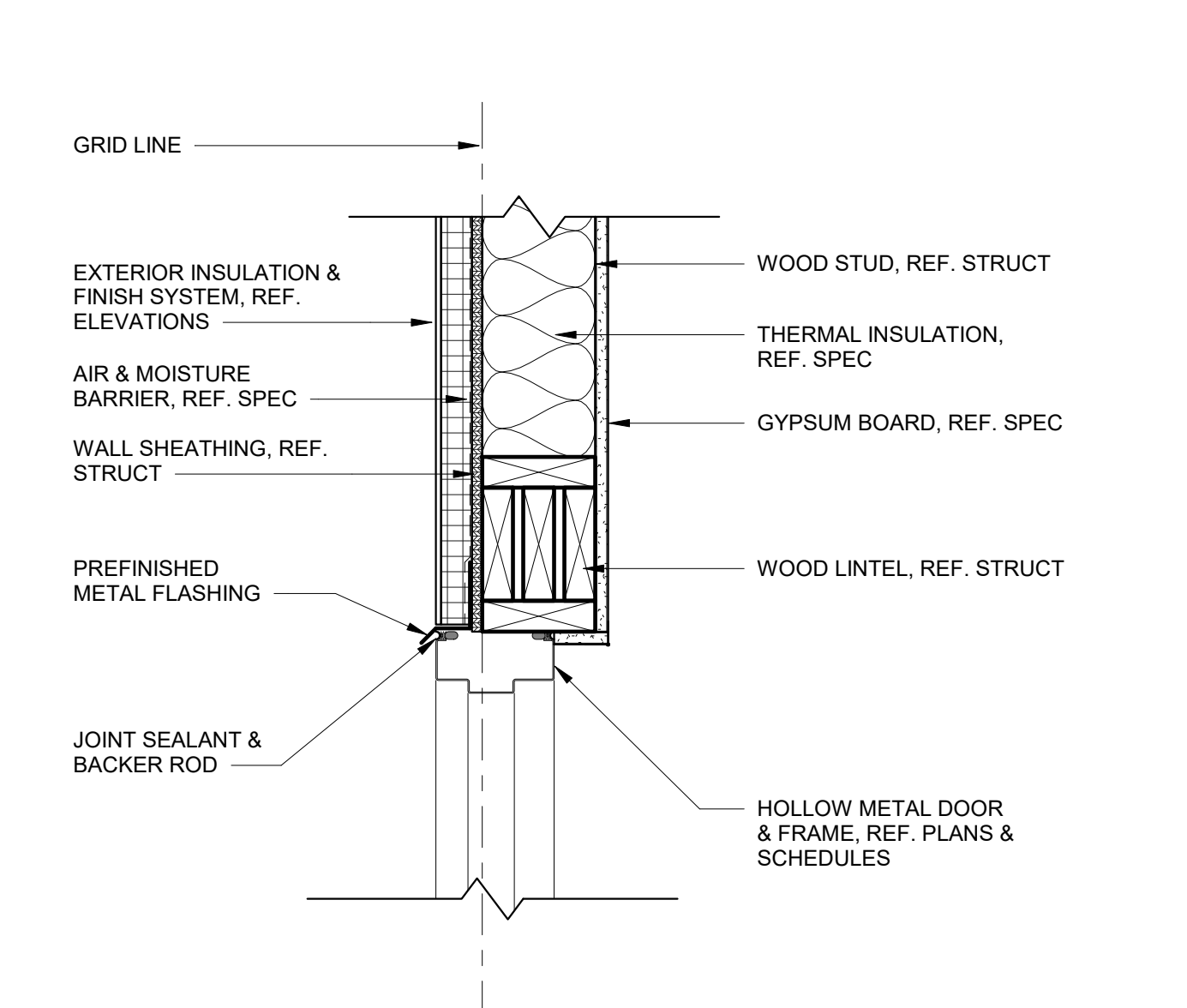
DETAILS



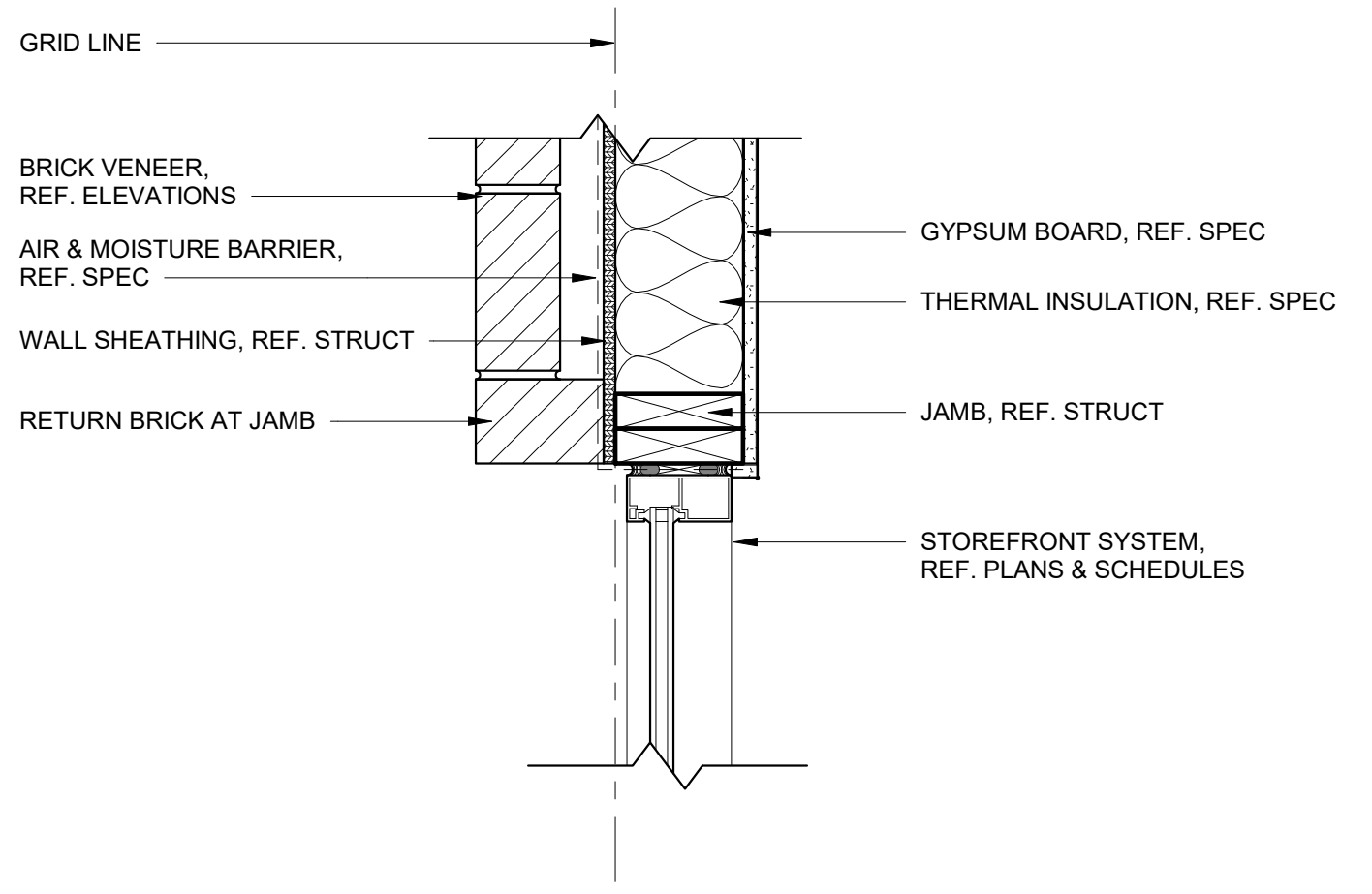
1 STOREFRONT HEAD @ BRICK
1 1/2" = 1'-0"



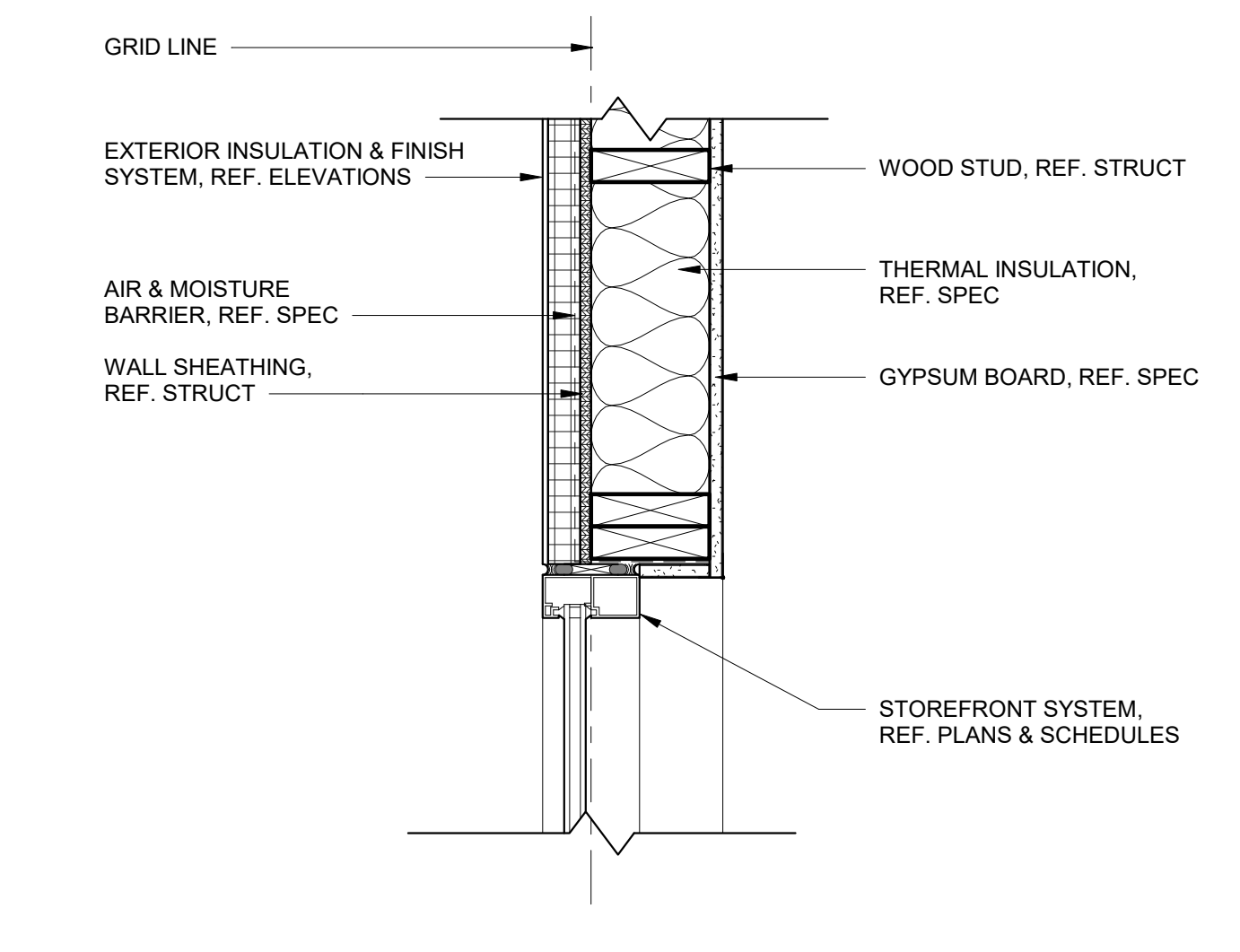
2 STOREFRONT HEAD @ EIFS
1 1/2" = 1'-0"



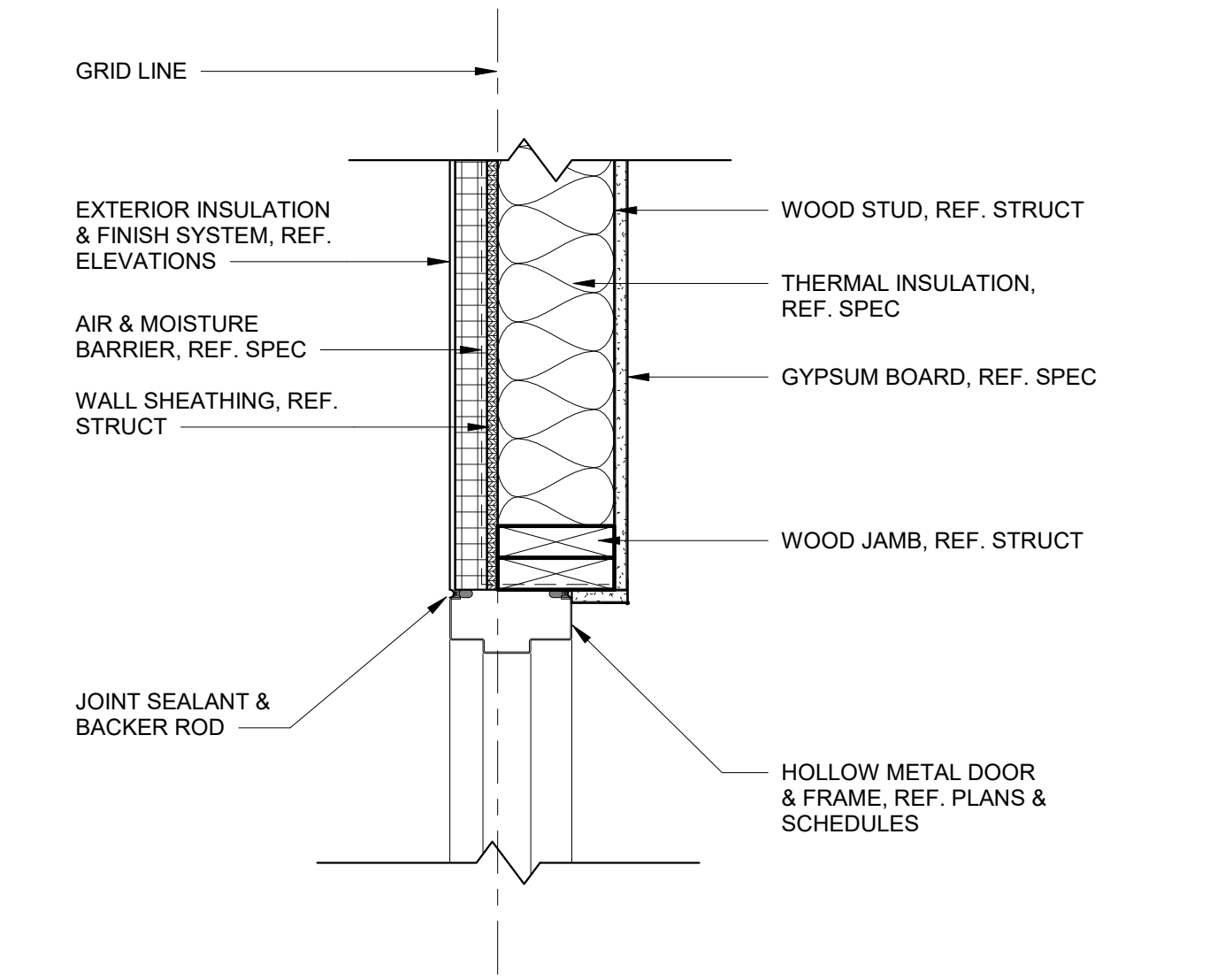
8 HM DOOR HEAD @ EIFS
1 1/2" = 1'-0"



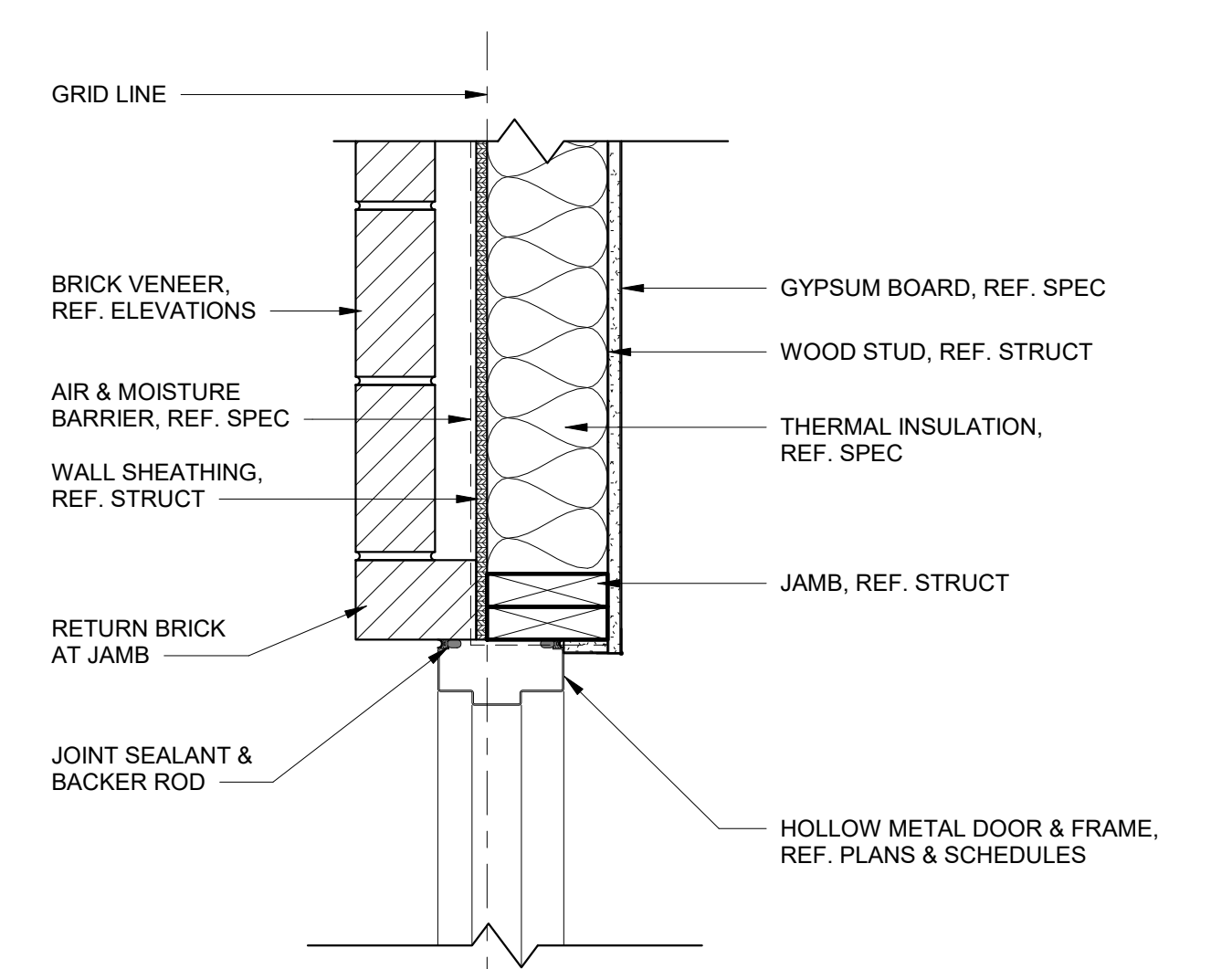
3 STOREFRONT JAMB @ BRICK
1 1/2" = 1'-0"



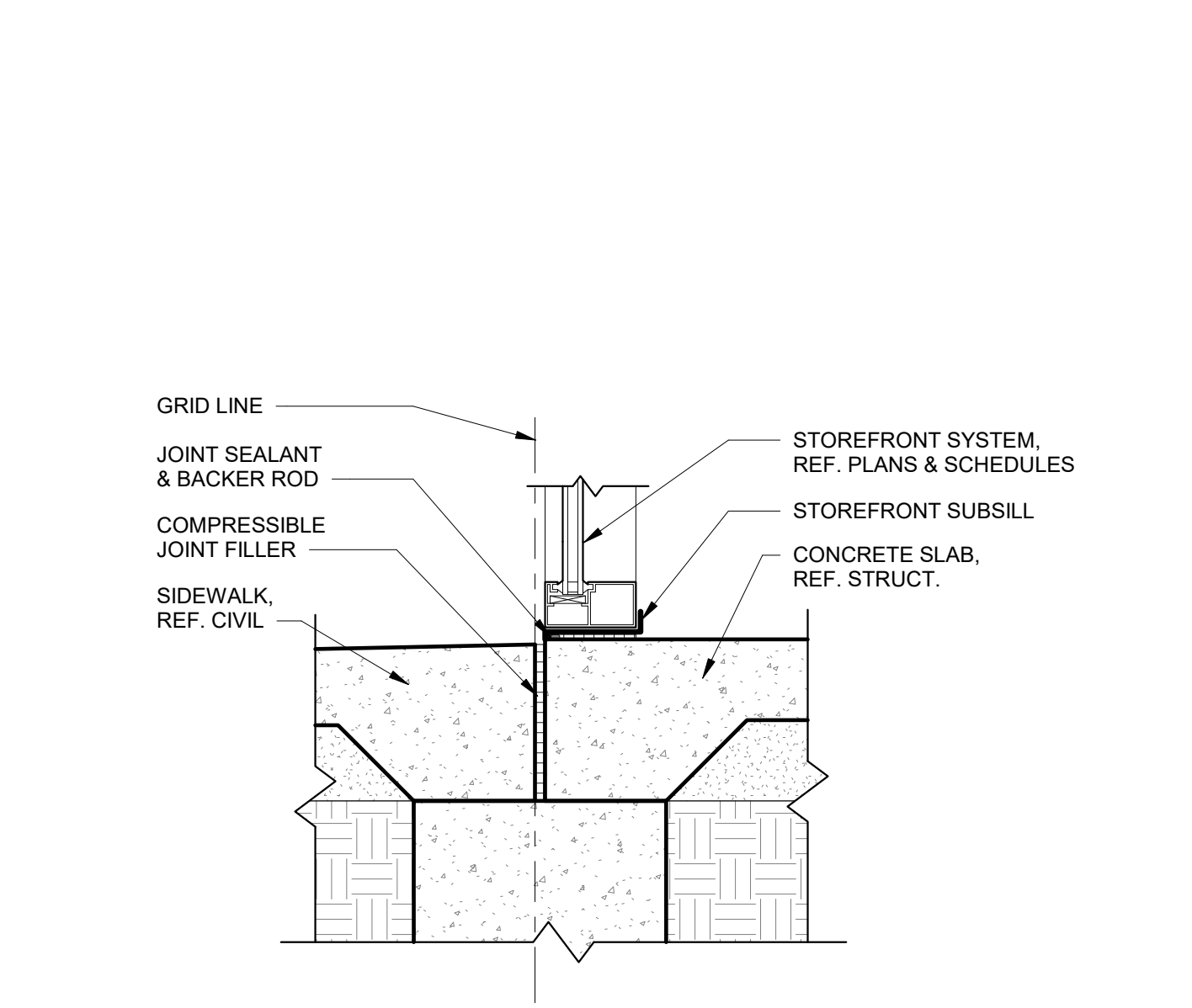
4 STOREFRONT JAMB @ EIFS
1 1/2" = 1'-0"



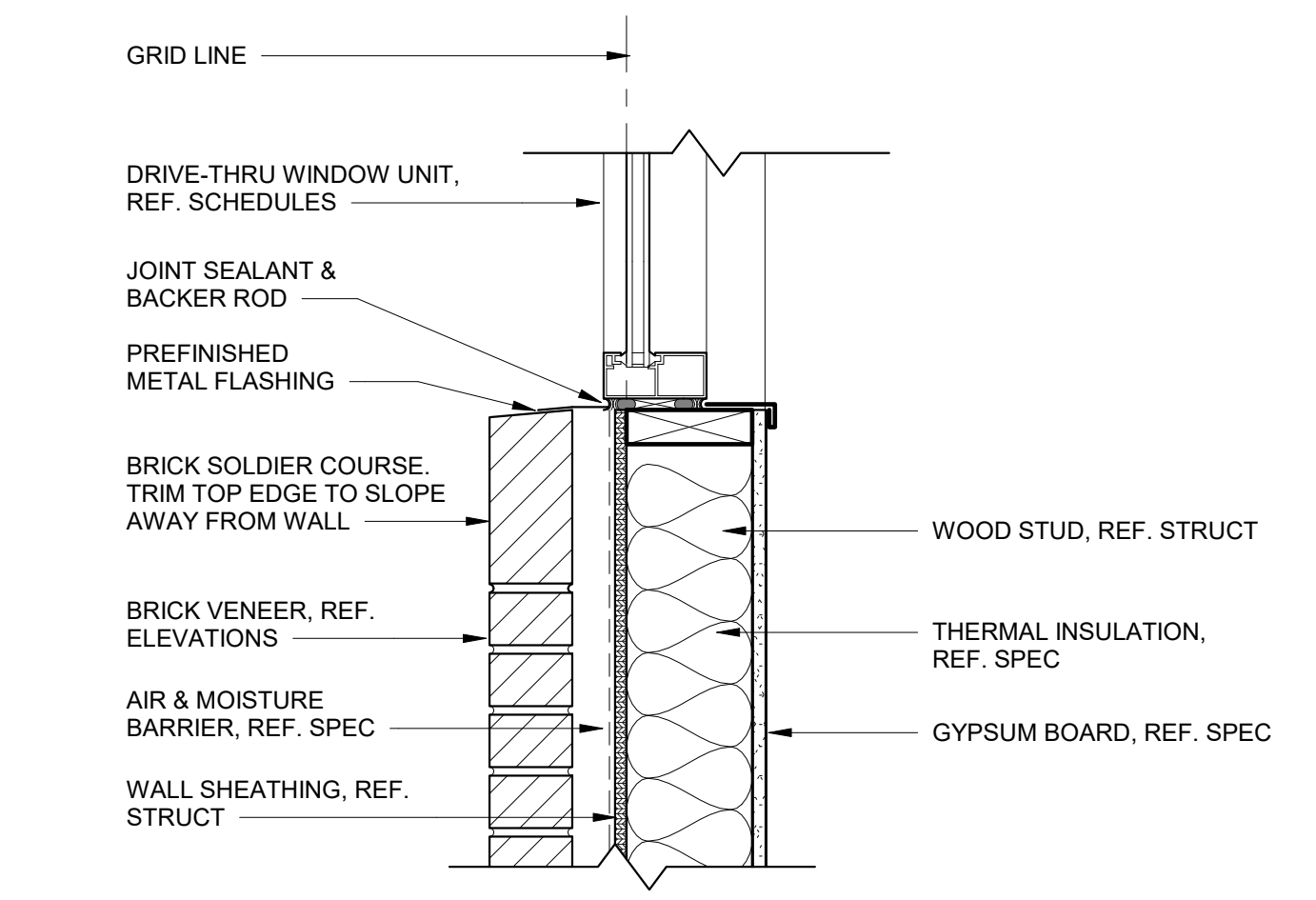
9 HM DOOR JAMB @ EIFS
1 1/2" = 1'-0"



10 HM DOOR JAMB @ BRICK
1 1/2" = 1'-0"

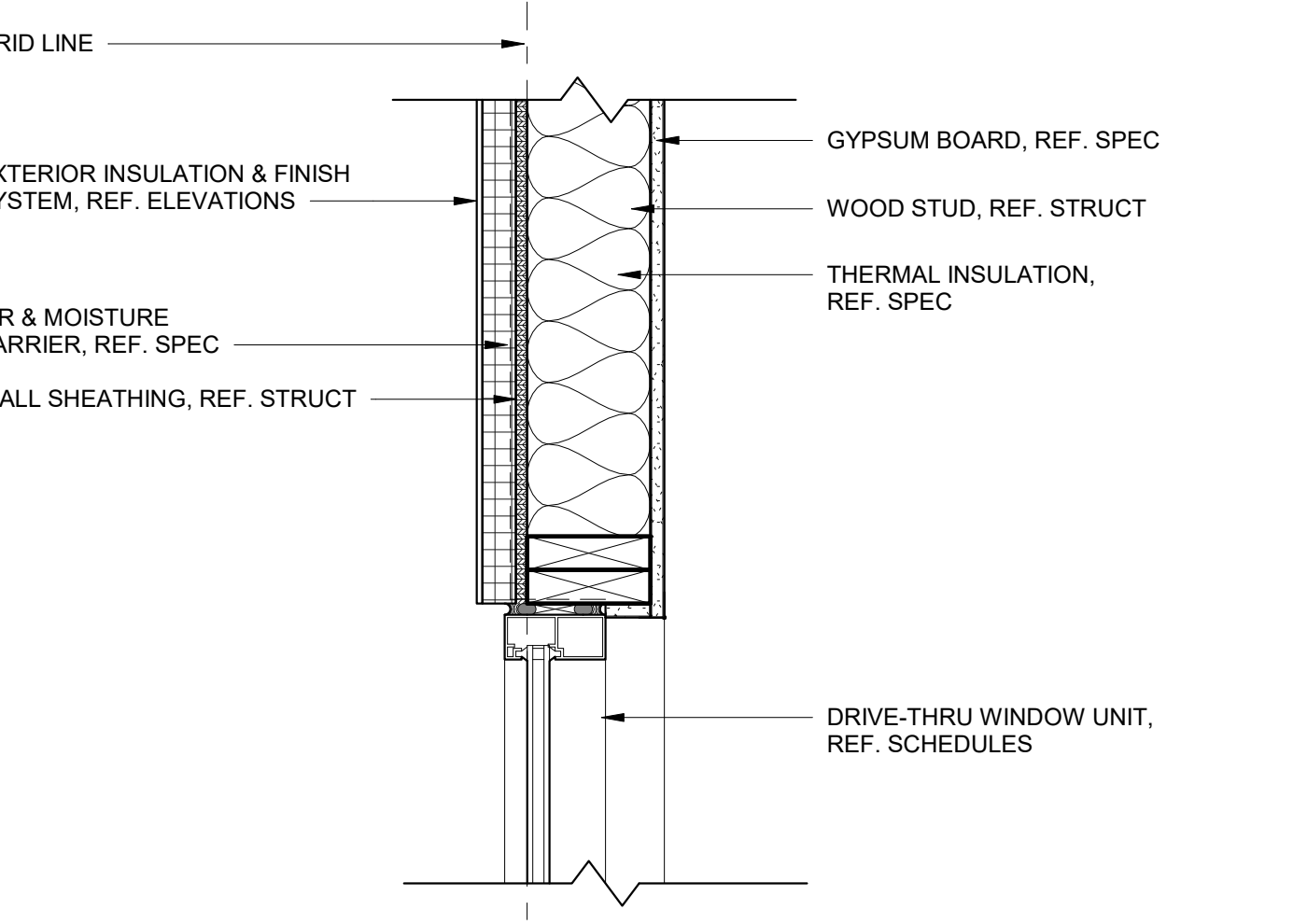


5 STOREFRONT SILL
1 1/2" = 1'-0"



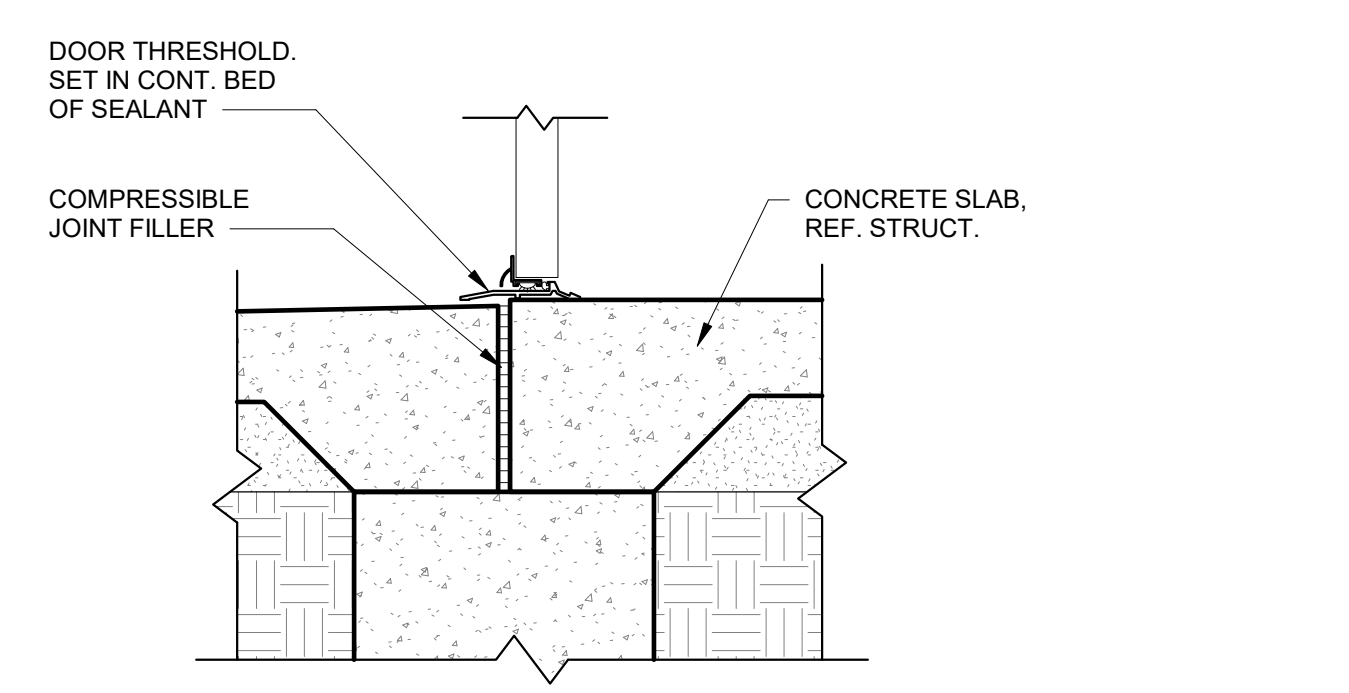
6 WINDOW SILL @ BRICK
1 1/2" = 1'-0"

NOTE: CONTRACTOR SHALL VERIFY CONDITIONS AT DRIVE-THRU WINDOW OPENING PRIOR TO INSTALLATION. WINDOW UNIT TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.



7 DT WINDOW JAMB @ EIFS
1 1/2" = 1'-0"

NOTE: CONTRACTOR SHALL VERIFY CONDITIONS AT DRIVE-THRU WINDOW OPENING PRIOR TO INSTALLATION. WINDOW UNIT TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.



11 HM DOOR SILL
1 1/2" = 1'-0"

DOOR SCHEDULE											
NUMBER	WIDTH	HEIGHT	DOOR			FRAME			FIRE RATING	HARDWARE SET	COMMENTS
			TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH			
101	36"	84"	FG	AL / GL	ANOD	-	AL / GL	ANOD	-	1.0	A
102	36"	84"	F	STL	PNT	HM2	STL	PNT	-	2.0	-
201	36"	84"	FG	AL / GL	ANOD	-	AL / GL	ANOD	-	1.0	A
202	36"	84"	F	STL	PNT	HM2	STL	PNT	-	2.0	-

DOOR SCHEDULE COMMENTS

A. DOOR SHALL INCLUDE 1" HIGH LETTERING ON A CONTRASTING BACKGROUND THAT STATES: "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED."

DOOR HARDWARE SCHEDULE

- 1.0
- PANIC DEVICE @ PUSH SIDE
 - OFFSET PULL BAR @ PULL SIDE
 - EXTERIOR CYLINDER
 - AUTOMATIC CLOSER
 - HEAVY DUTY HINGES
 - THRESHOLD
 - WEATHERSTRIPPING
 - SWEEP
- 2.0
- PANIC DEVICE @ PUSH SIDE
 - LEVER TRIM @ PULL SIDE
 - ENTRANCE LOCKSET
 - AUTOMATIC CLOSER
 - HEAVY DUTY HINGES
 - SECURITY DOOR VIEWER
 - THRESHOLD
 - WEATHERSTRIPPING
 - SWEEP

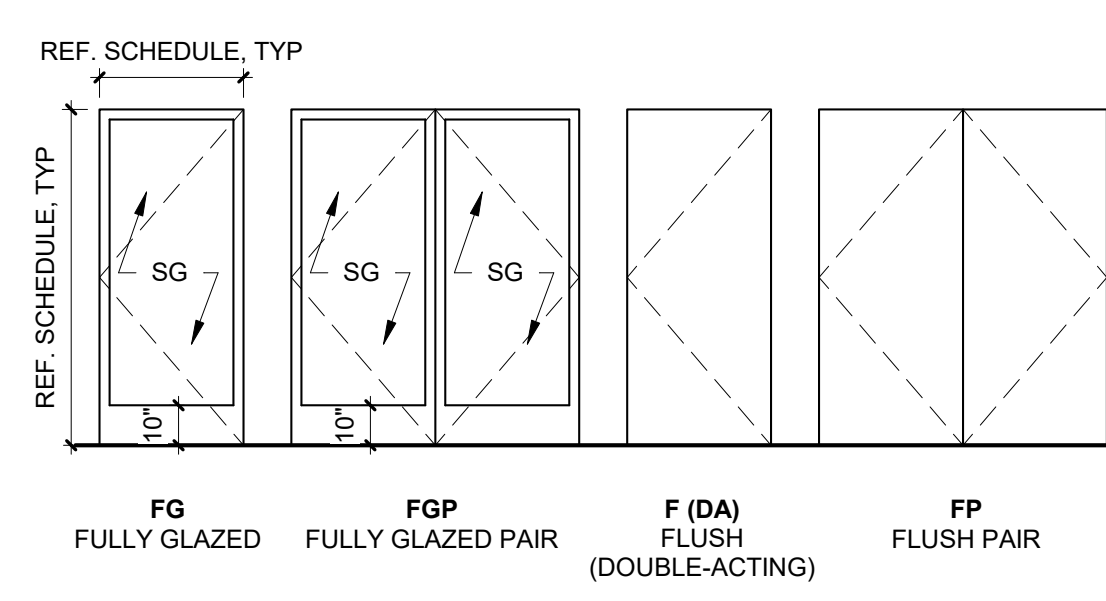
GENERAL NOTES

- DOORS & FRAMES:**
- NOT ALL DOOR TYPES AND FRAME TYPES MAY BE USED.
 - ALL DOOR HARDWARE SHALL COMPLY WITH ADA GUIDELINES FOR ACCESSIBLE DESIGN.
 - ALL PANIC DEVICES SHALL COMPLY WITH IBC SECTION 1010.1.10.
 - REF. SHEET G10.0 FOR ACRONYMS AND ABBREVIATIONS.
 - REF. SPECS FOR ADDITIONAL INFORMATION ABOUT DOORS AND FRAMES.
 - ALL ANODIZED ALUMINUM DOORS AND FRAMES SHALL BE DARK BRONZE COLOR.

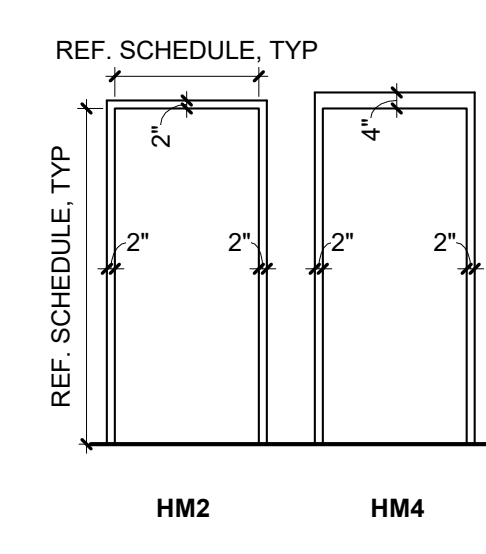
- WINDOW TYPES:**
- CONTRACTOR SHALL V.I.F. ALL WINDOW OPENINGS BEFORE ORDERING NEW WINDOW UNITS.
 - REF. SPECS FOR ADDITIONAL INFORMATION ABOUT WINDOW UNITS AND GLAZING.
 - ALL ANODIZED ALUMINUM STOREFRONT FRAMING SHALL BE DARK BRONZE COLOR.

- PARTITIONS:**
- NOT ALL PARTITION TYPES MAY BE USED.
 - REF. SHEET A20.0 FOR U.L. ASSEMBLY NUMBERS AT RATED FIRE PARTITIONS, FIRE BARRIERS AND/OR FIRE WALLS. CONTRACTOR SHALL CONSTRUCT SUCH PARTITIONS (WHERE SHOWN) IN ACCORDANCE WITH U.L. TESTED ASSEMBLIES.
 - ALL SLEEPERS AND SILLS ON A CONCRETE SLAB THAT IS IN DIRECT CONTACT WITH EARTH SHALL BE OF NATURALLY DURABLE WOOD OR PRESERVATIVE-TREATED WOOD USING WATER-BORNE PRESERVATIVES IN ACCORDANCE WITH AWP A U1 (COMMODITY SPECIFICATIONS A OR F).
 - TYP @ AT ALL PARTITION TYPES. PROVIDE BATT INSULATION WHERE SHOWN ON THE FLOOR PLAN(S).

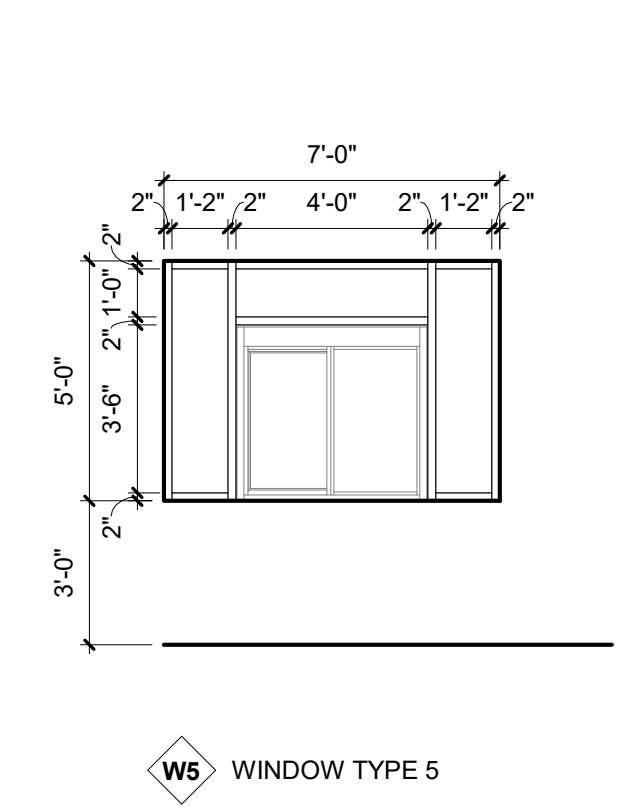
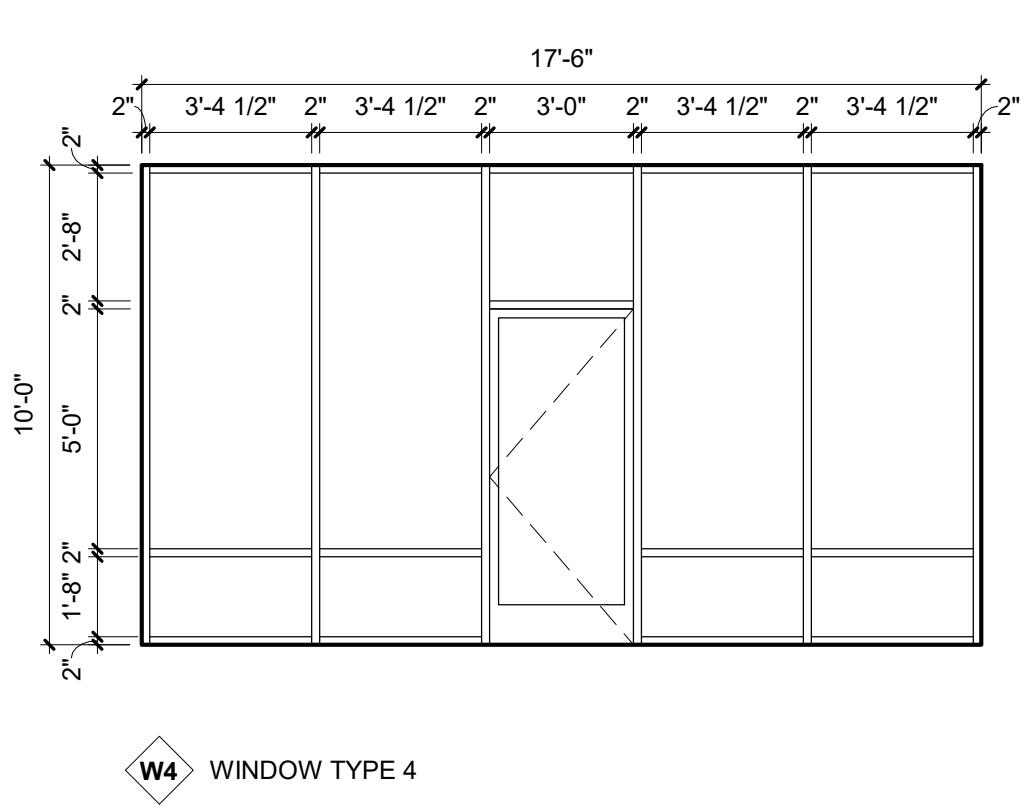
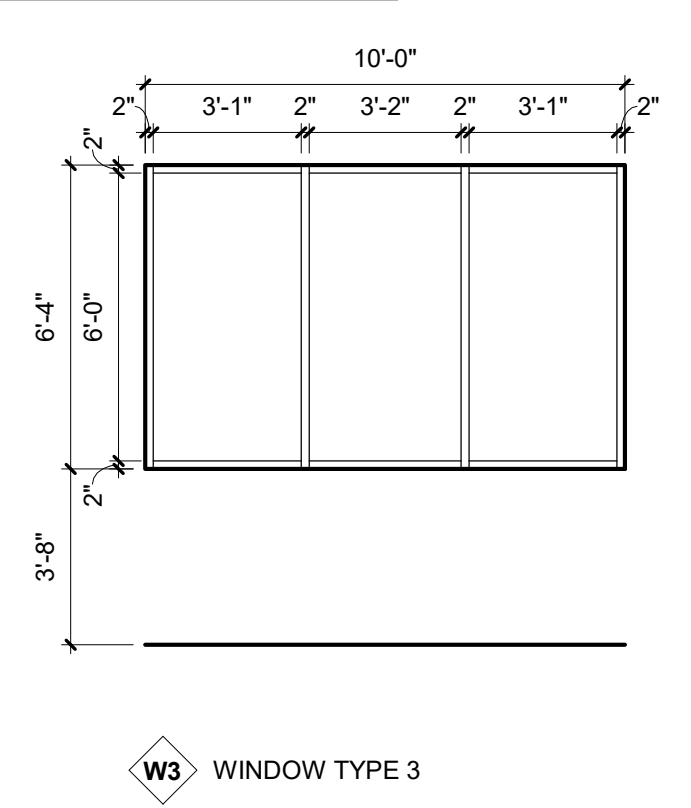
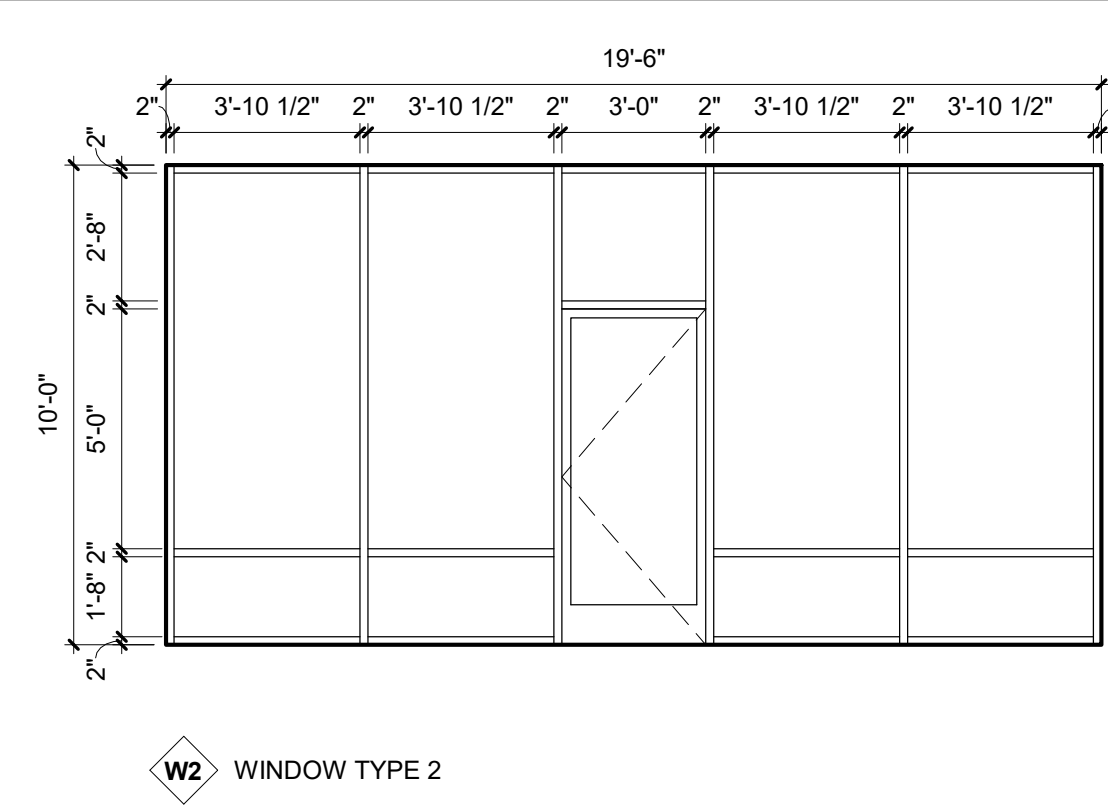
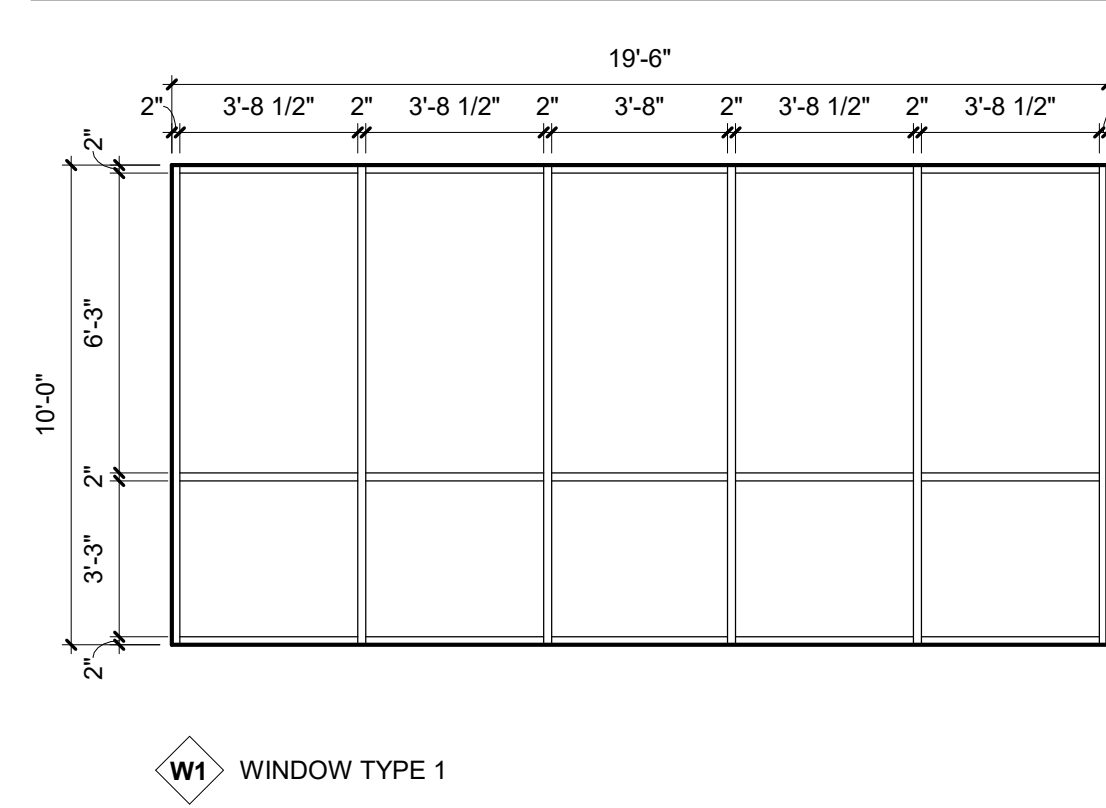
DOOR TYPES



FRAME TYPES



WINDOW TYPES

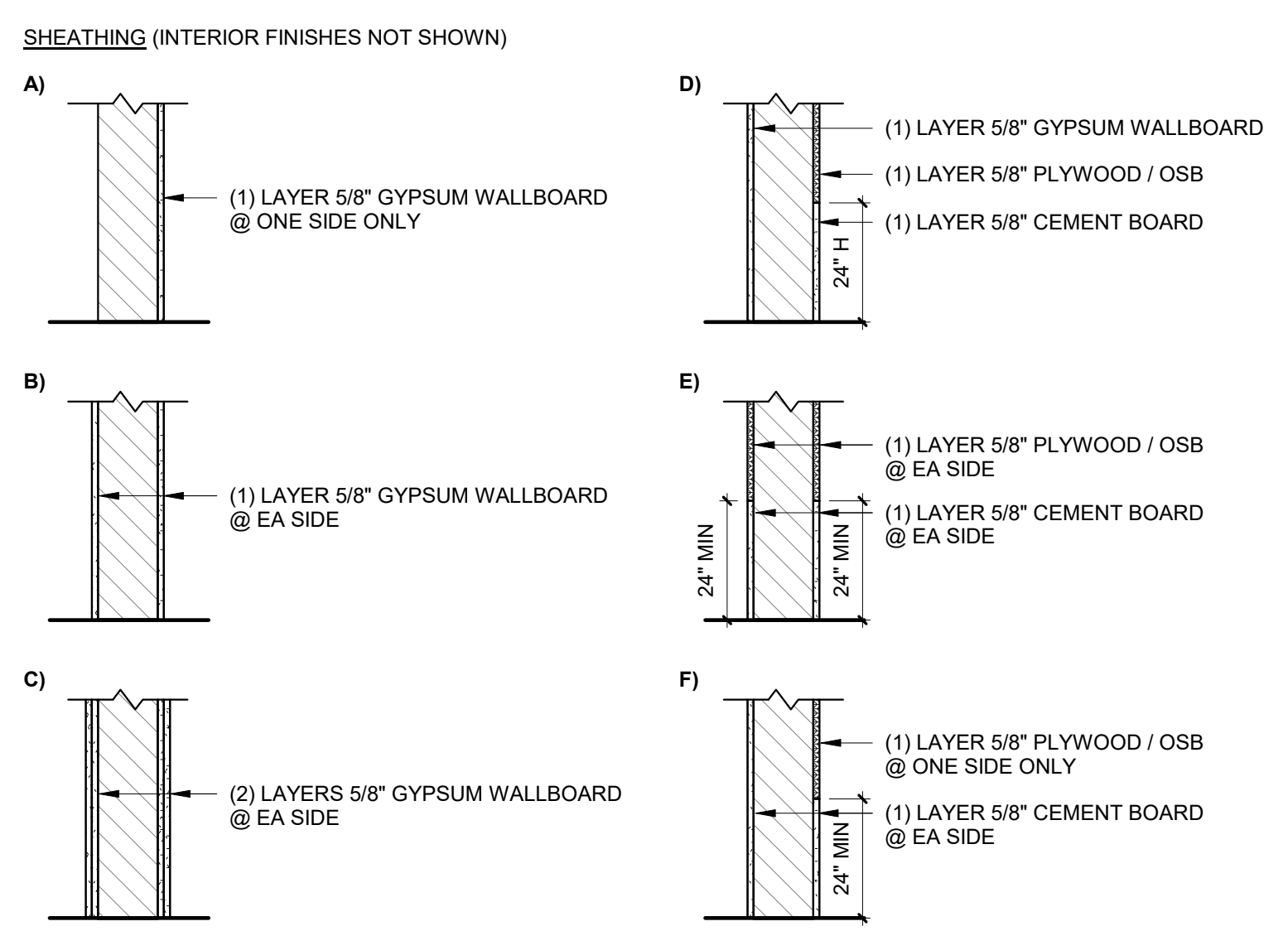


- DRIVE-THRU WINDOW UNIT SPECS:**
- READY ACCESS 275 SERIES
 - VERIFY OPENING DIRECTION W/ OWNER PRIOR TO ORDERING DRIVE-THRU WINDOW
 - FEATURES:
 - MANUAL OPEN, ELECTRONIC RELEASE (MOER)
 - DARK BRONZE ANODIZED ALUMINUM FRAMING
 - LOW-E GLAZING
 - TELESCOPING NIGHTTIME SECURITY BAR

PARTITION SCHEDULE

- STUD SIZE**
- 2X4 WD STUDS @ 16" O.C. MAX
 - 2X6 WD STUDS @ 16" O.C. MAX

- HEIGHT**
- FULL HEIGHT TO B.O. ROOF DECK, INCL. GYPSUM BOARD, IF APPLICABLE
 - BRACED / PARTIAL HEIGHT, T.O. WALL 12" MIN ABOVE CEILING U.N.O., DIAGONALLY BRACE TO ROOF JOISTS AS REQ'D
 - KNEE WALL, REF. INTERIOR ELEVATIONS AND/OR DETAILS FOR EXACT HEIGHT



EXAMPLE: PARTITION TYPE B/C WOULD INCLUDE:
 B) PARTIAL HEIGHT, T.O. WALL 12" MIN ABOVE CEILING U.N.O., DIAGONALLY BRACE TO ROOF JOISTS AS REQ'D
 C) (2) LAYERS 5/8" GYPSUM WALLBOARD @ EA SIDE

PROJECT INFO

CLIENT:
COVENANT GROUP, LLC

PROJECT:
COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

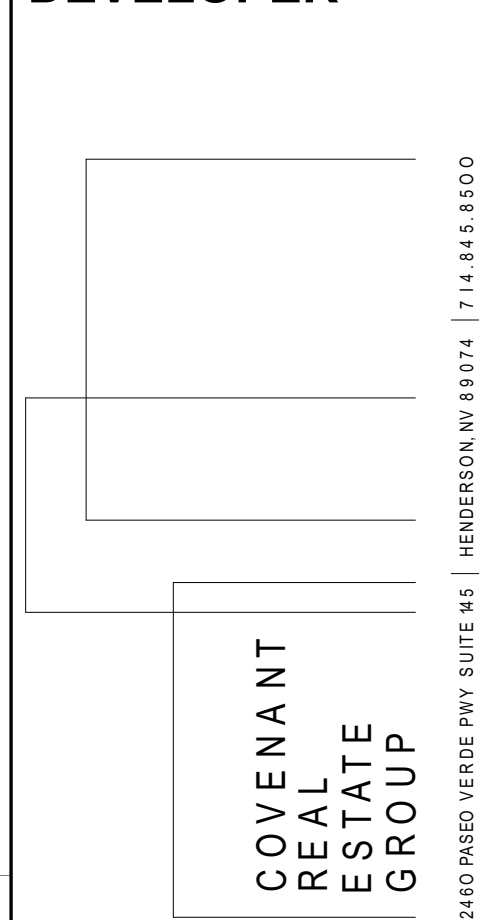
ADDRESS:
400 NW CHIPMAN RD
LEE'S SUMMIT, MO 64806

PROJECT NO: 267

MAIN CONTACT

CHRISTOPHER CLARK, AIA, NCARB
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DEVELOPER

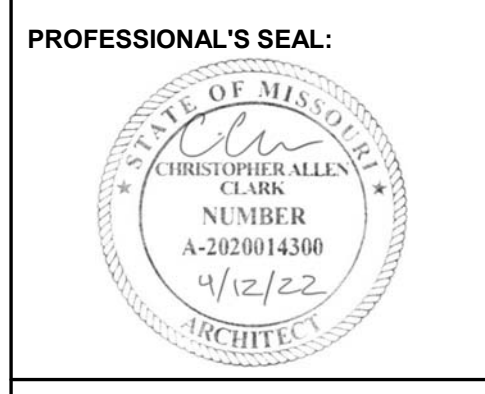


SHEET INFO

ISSUE DATE: 04/12/22
ISSUED FOR: INTERNAL REVIEW

REVISION SCHEDULE

NO	DESCRIPTION	DATE



SCHEDULES

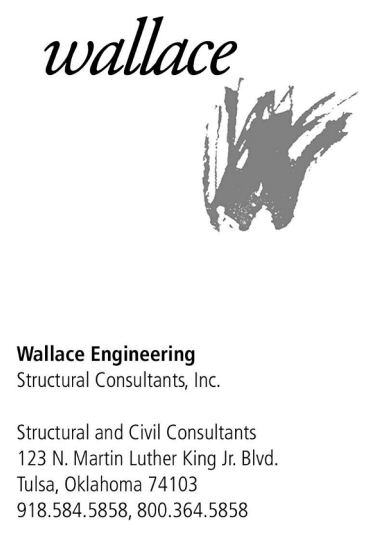
A70.0

FOOTING SCHEDULE								NOTES
MARK	LENGTH	WIDTH	THICKNESS	BOTTOM REINFORCING	TOP REINFORCING	LONGITUDINAL	TRANSVERSE	
F3.0	3'-0"	3'-0"	2'-6"	(5) #5	(5) #5	(5) #5	(5) #5	
F4.0	4'-0"	4'-0"	2'-6"	(5) #5	(5) #5	(5) #5	(5) #5	

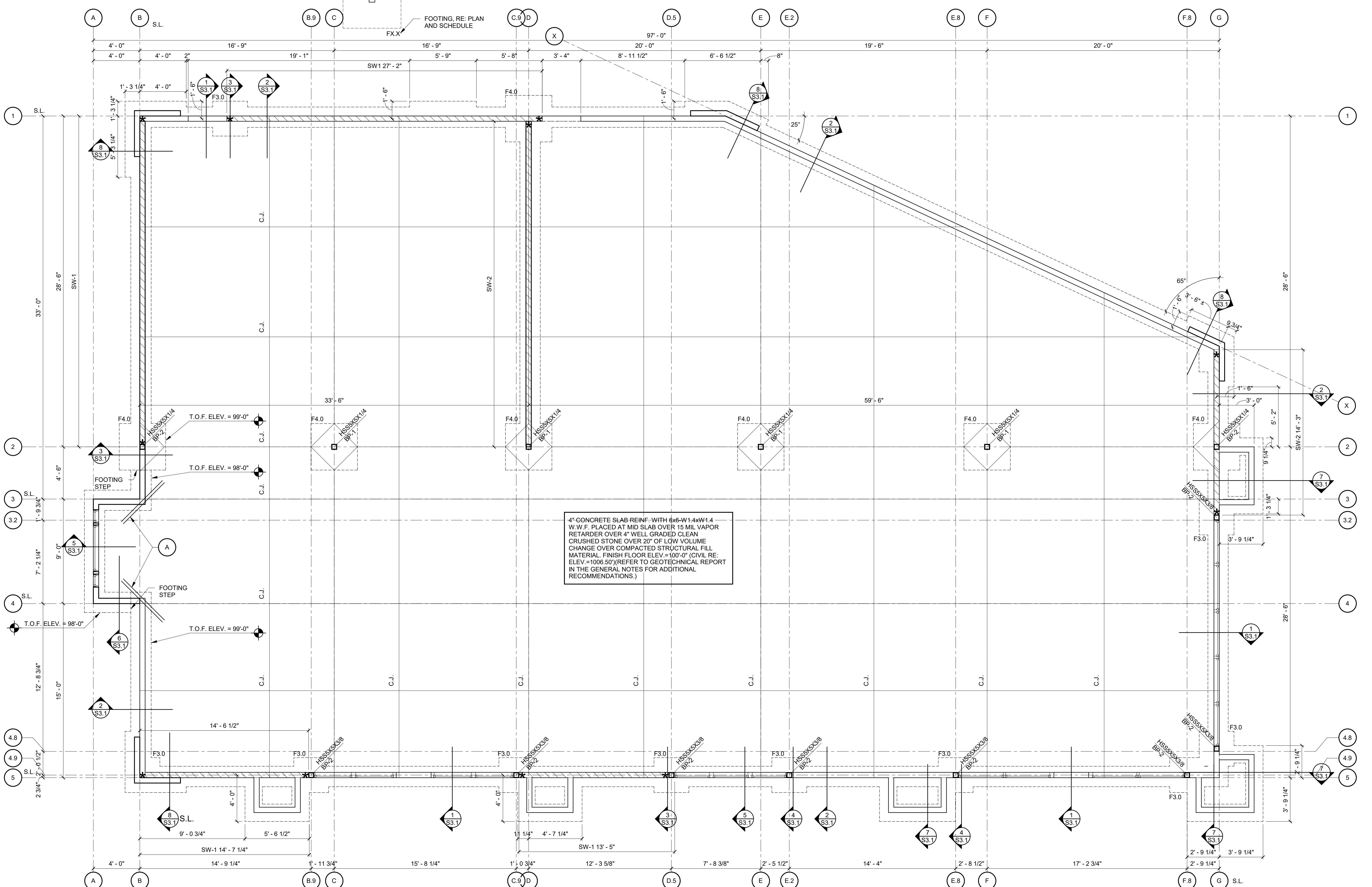
- WALL FRAMING NOTES:**
1. VERIFY ALL WALL OPENING AND INTERIOR WALL DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL DRAWINGS.
 2. ALL EXTERIOR LOAD BEARING WALLS SHALL BE 2x6 AT 16", U.N.O.
 3. TOP PLATES SHALL BE (2) 2x6 AND BE SPLICED.
 4. NON-LOAD BEARING WALLS SHALL BE 2x4 MIN. RE: ARCH FOR WALL TYPES.
 5. RE: GENERAL NOTES FOR EXTERIOR WALL SHEATHING.
 6. RE: S/4.1 FOR SHEATHING AT SHEAR WALLS.
 7. RE: 1/S4.0 FOR TYPICAL NAILING SCHEDULE.

- LEGEND:**
- BP-X = BASE PLATE.
 - C.J. = CONTROL JOINT.
 - FX = FOOTING MARK RE: PLAN AND SCHEDULE.
 - S.L. = OUTSIDE FACE OF STUD.
 - ★ = HOLD DOWN ANCHOR, RE: 3/S4.1
 - SW-X = SHEAR WALL, RE: 5/S4.1
 - (A) = PROVIDE (2) #4 x5'-0" BARS AT MID DEPTH AT ALL RE-ENTRANT CORNERS

- FOUNDATION NOTES:**
1. THE CONCRETE SLABS SHOWN ON THE STRUCTURAL DRAWINGS HAVE BEEN DESIGNED FOR THE FINISHED STRUCTURE AND HAVE NOT BEEN DESIGNED FOR CONSTRUCTION CONSIDERATIONS. CONTRACTOR SHALL COORDINATE SLAB DESIGN WITH CONSTRUCTION NEEDS. THE SLAB DESIGN INDICATED ON THESE DRAWINGS IS CONSIDERED A MINIMUM. SUBMIT CHANGES TO THE SLAB DESIGN TO E.O.R. FOR REVIEW.
 2. CONTRACTOR SHALL SUBMIT ANY LIFT, CRANE OR OTHER CONSTRUCTION EQUIPMENT CUT SHEETS TO THE E.O.R. FOR INDEPENDENT ANALYSIS AT NO COST TO THE OWNER FOR THE USE OF SUCH EQUIPMENT ON THE SLAB.
 3. TOP OF FOOTING ELEVATION = 1'-0" BELOW T.O. SLAB UNLESS NOTED OTHERWISE.
 4. ALL PIPING OR CONDUITS THAT OCCUR THROUGH OR UNDER A GRADE BEAM OR FOOTING SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT (RE: 7/S3.0 AND RE: 8/S3.0).
 5. RE: 1/S3.0 FOR REINFORCING LAP SCHEDULE.
 6. PROVIDE CORNER BARS IN FOUNDATIONS, RE: 9/S3.0.
 7. CONTRACTOR SHALL COORDINATE SHEARWALL POST ANCHOR BOLT EMBEDMENTS WITH THE FOUNDATIONS PRIOR TO POURING.
 8. RE: ARCH/MP DRAWINGS FOR LOCATIONS OF FLOOR DRAINS.
 9. FOOTING STEP, RE: 6/S3.0



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1 FOUNDATION PLAN
 1/4" = 1'-0"

PROJECT INFO

CLIENT:
 COVENANT GROUP, LLC

PROJECT:
 BUILDING SHELL - LEE'S SUMMIT,
 MO - CHIPMAN RD

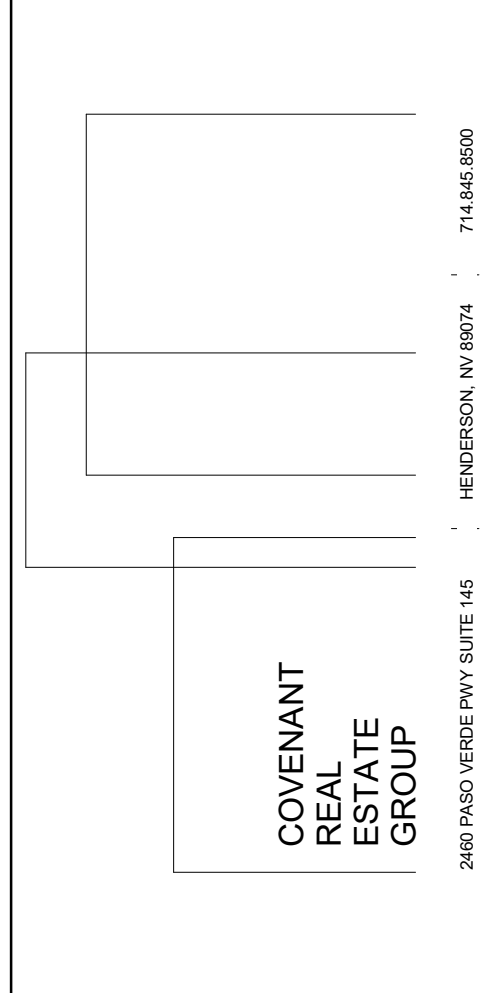
ADDRESS:
 400 NW CHIPMAN RD
 LEE'S SUMMIT, MO 64806

PROJECT NO: 267

MAIN CONTACT

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 chris@clarkitecture.net

DEVELOPER



SHEET INFO

ISSUE DATE : 03/31/2022
 ISSUED FOR PERMIT SET

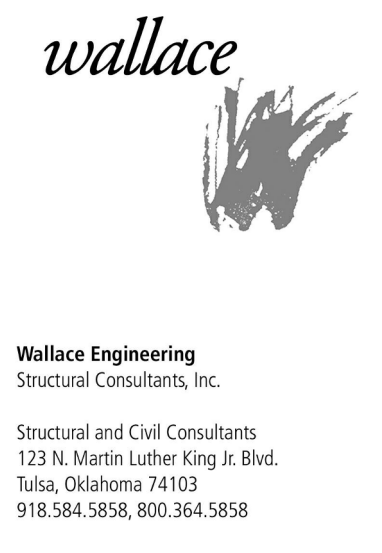
REVISION SCHEDULE

NO	DESCRIPTION	DATE



FOUNDATION PLAN

S1.0



ROOF FRAMING NOTES:

1. RE: ARCH/MEP DRAWINGS FOR LOCATIONS OF ROOFTOP OPENINGS AND EQUIPMENT.
2. TRUSS BEARING ELEVATION VARIES, RE: PLAN
3. ACTUAL TRUSS LAYOUT TO BE DETERMINED BY THE TRUSS MFR. PROVIDE LAYOUT AS REQUIRED TO MATCH ARCH. ROOF LINES. TRUSS SPACING SHALL NOT EXCEED 24" O.C., RE: S001 FOR PREFABRICATED WOOD TRUSS INFORMATION AND DESIGN LOADINGS AND RE: 6/14/1 FOR SNOW DRIFT.
4. RE: GENERAL NOTES FOR ROOF SHEATHING, RE: 4/S4.1 FOR NAILING DIAGRAM.
5. ROOF ACCESS LADDER SHALL BE PER THE GENERAL CONTRACTOR

WALL FRAMING NOTES:

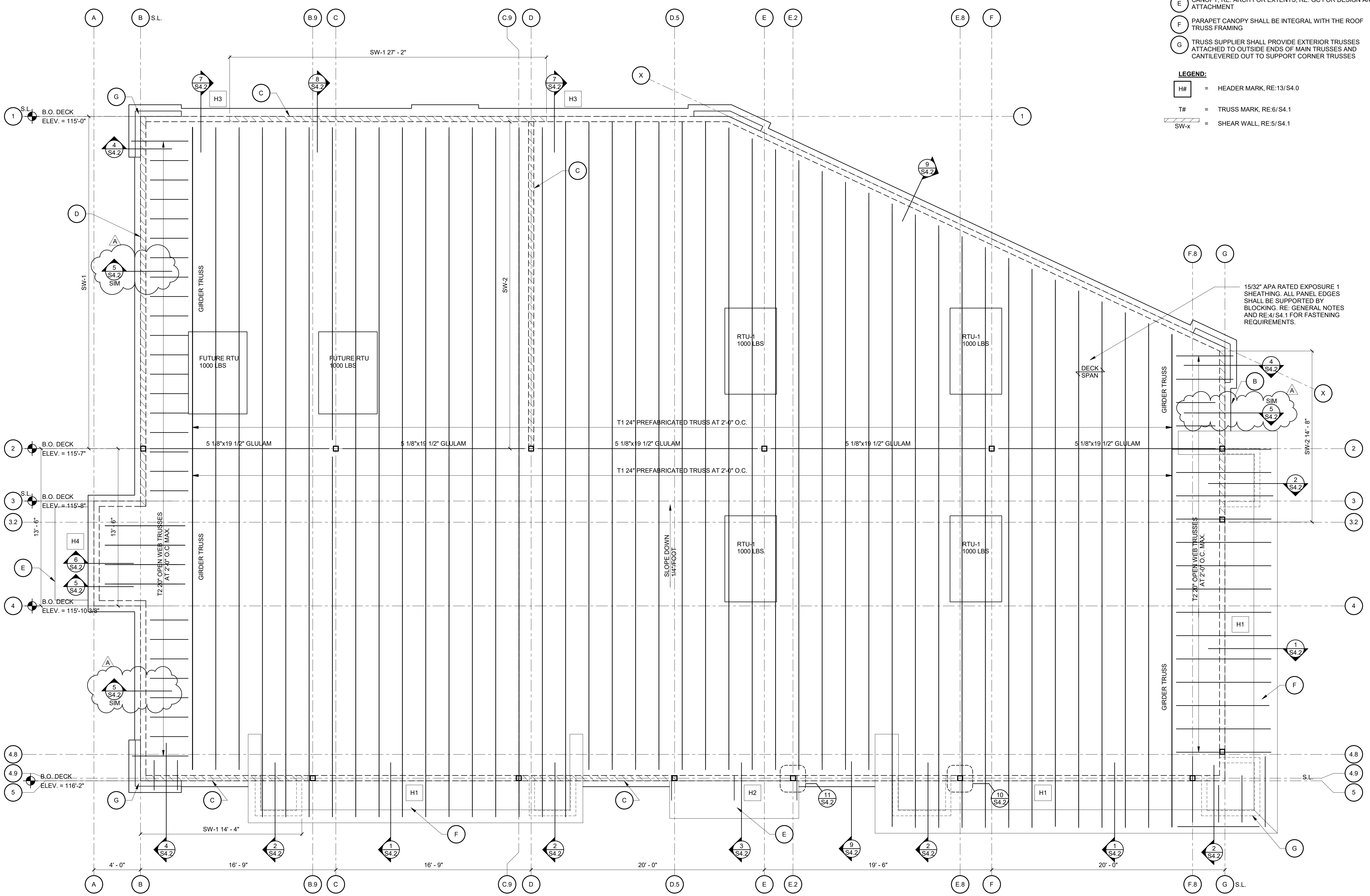
1. VERIFY ALL WALL OPENING AND WALL DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL DRAWINGS
2. ALL EXTERIOR LOAD BEARING WALLS SHALL BE 2x6 AT 16", U.N.O. CENTER STUDS UNDER EA. TRUSS, RE: 14/S4.0
3. TOP PLATES SHALL BE (2) 2x6 AND BE SPLICED.
4. NON-LOAD BEARING WALLS SHALL BE 2x4, RE: ARCH FOR WALL TYPES
5. RE: GENERAL NOTES FOR EXTERIOR WALL SHEATHING
6. RE: 5/S4.1 FOR SHEATHING AT SHEAR WALLS
7. RE: 1/S4.0 FOR TYPICAL NAILING SCHEDULE
8. TRUSS SUPPLIER SHALL COORDINATE TRUSS DESIGN WITH MEP EQUIPMENT

PLAN REFERENCE NOTES:

- (A) PROVIDE FLAT 2x BLOCKING BETWEEN TRUSSES AND ATTACH ROOF SHEATHING WITH 10d NAILS AT 6" O.C. INSTALL CONT SIMPSON CMST14 COIL STRAP OVER BLOCKING.
- (B) TRUSS SUPPLIER TO DESIGN SHEAR PANEL BLOCKING TO TRANSFER AXIAL TENSION/COMPRESSION (PLF) OF 305 PLF (0.6W/0.7E) FOR THE LENGTH OF THE SHEAR WALL BELOW.
- (C) TRUSS SUPPLIER TO DESIGN SHEAR PANEL BLOCKING TO TRANSFER AXIAL TENSION/COMPRESSION (PLF) OF 255 PLF (0.6W/0.7E) FOR THE LENGTH OF THE SHEAR WALL BELOW
- (D) TRUSS SUPPLIER TO DESIGN SHEAR PANEL BLOCKING TO TRANSFER AXIAL TENSION/COMPRESSION (PLF) OF 90 PLF (0.6W/0.7E) FOR THE LENGTH OF THE SHEAR WALL BELOW
- (E) CANOPY, RE: ARCH FOR EXTENTS, RE: GC FOR DESIGN AND ATTACHMENT
- (F) PARAPET CANOPY SHALL BE INTEGRAL WITH THE ROOF TRUSS FRAMING
- (G) TRUSS SUPPLIER SHALL PROVIDE EXTERIOR TRUSSES ATTACHED TO OUTSIDE ENDS OF MAIN TRUSSES AND CANTILEVERED OUT TO SUPPORT CORNER TRUSSES

LEGEND:

- H# = HEADER MARK, RE: 13/S4.0
- T# = TRUSS MARK, RE: 6/S4.1
- SW-x = SHEAR WALL, RE: 5/S4.1



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BUILDING SHELL - LEE'S SUMMIT,
MO - CHIPMAN RD

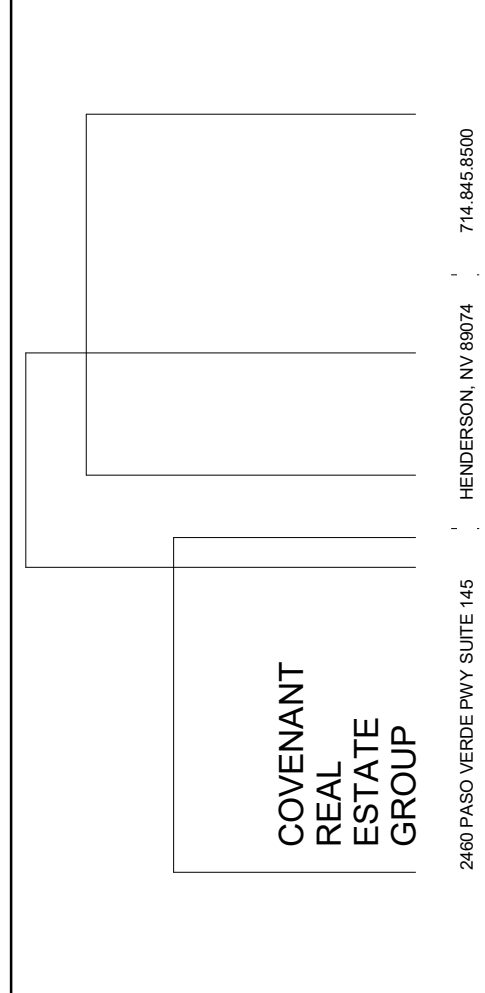
ADDRESS:
400 NW CHIPMAN RD
LEE'S SUMMIT, MO 64806

PROJECT NO: 287

MAIN CONTACT

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(316) 302-4472
chris@clarkitecture.net

DEVELOPER



SHEET INFO

ISSUE DATE : 03/31/2022
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A	04/29/2022	MISC CHANGES



FRAMING PLAN

S2.0

1 ROOF FRAMING PLAN
1/4" = 1'-0"



Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
123 N. Martin Luther King Jr. Blvd.
Tulsa, Oklahoma 74103
918.584.5858, 800.364.5858

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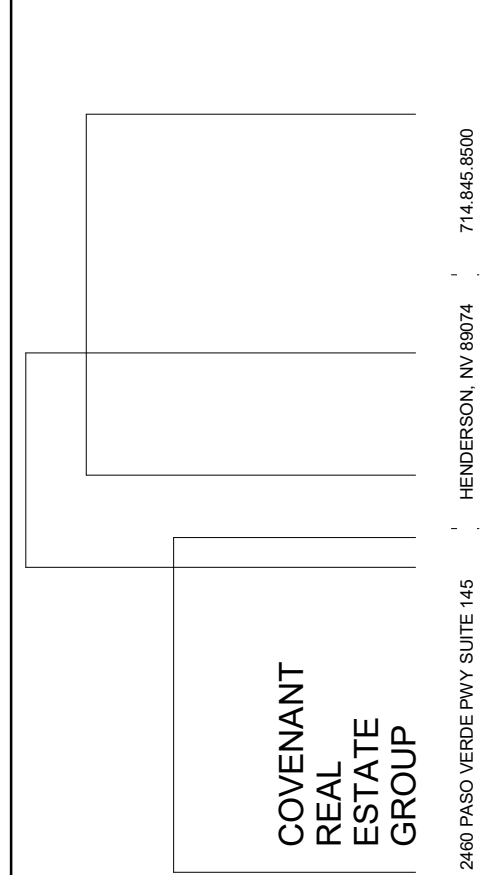
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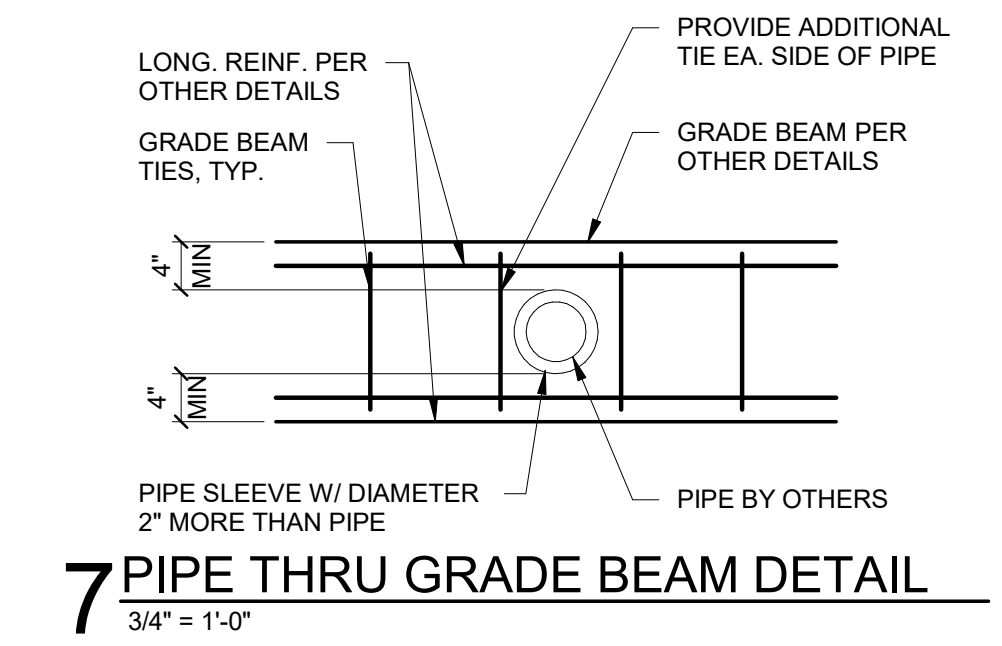
REVISION SCHEDULE

NO	DESCRIPTION	DATE

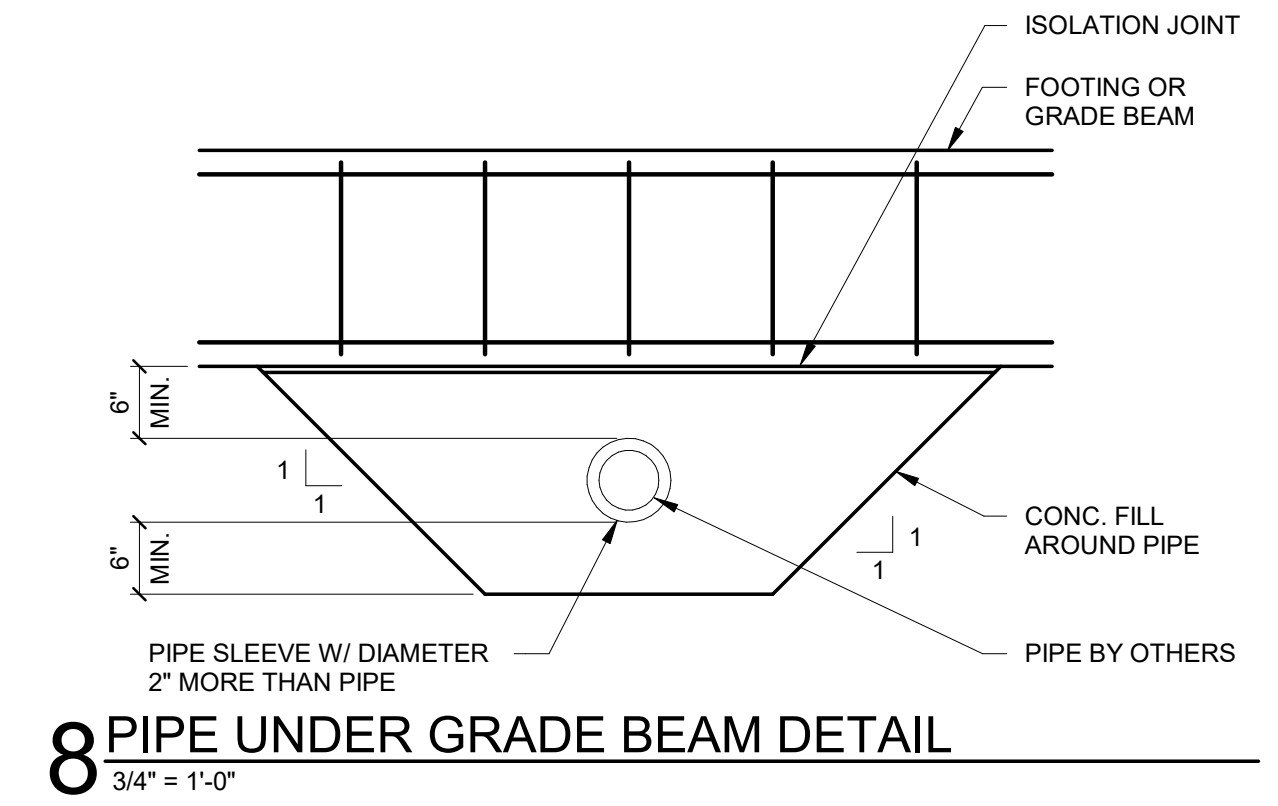


FOUNDATION DETAILS

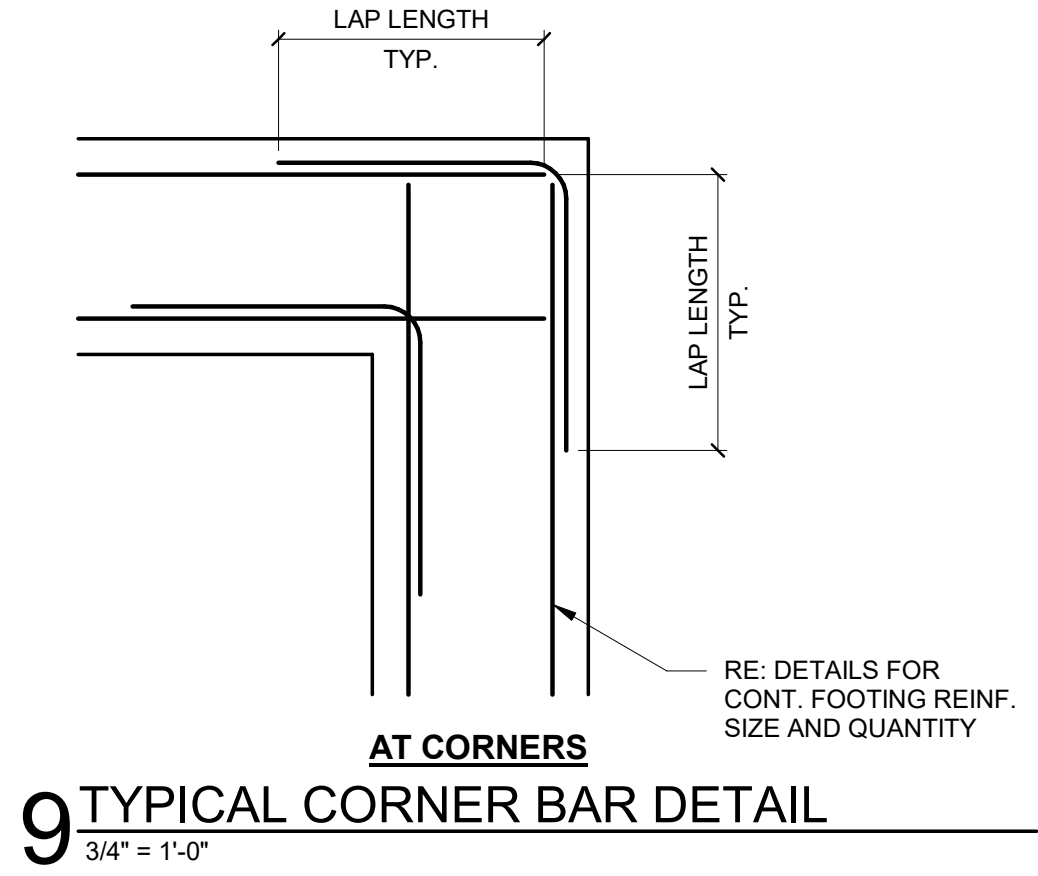
S3.0



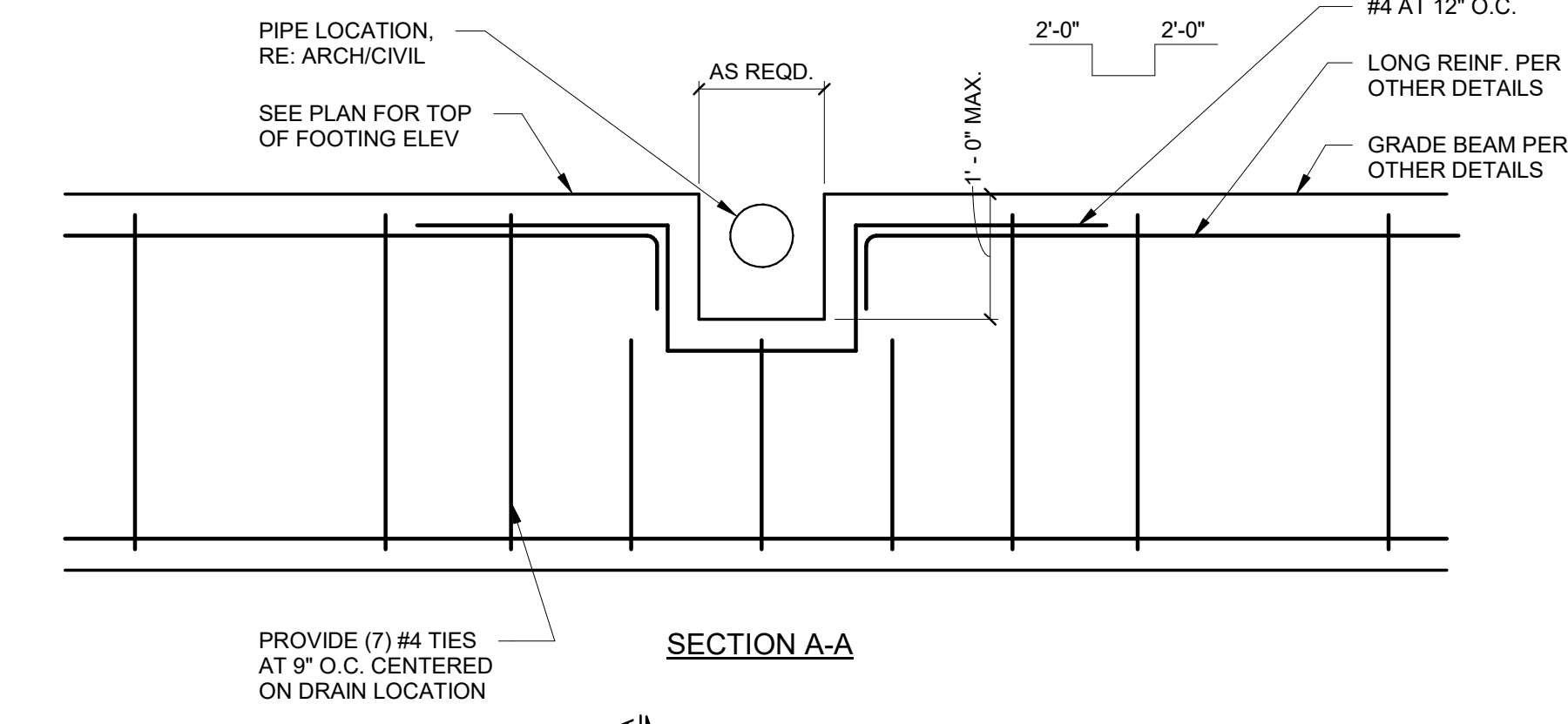
7 PIPE THRU GRADE BEAM DETAIL
3/4" = 1'-0"



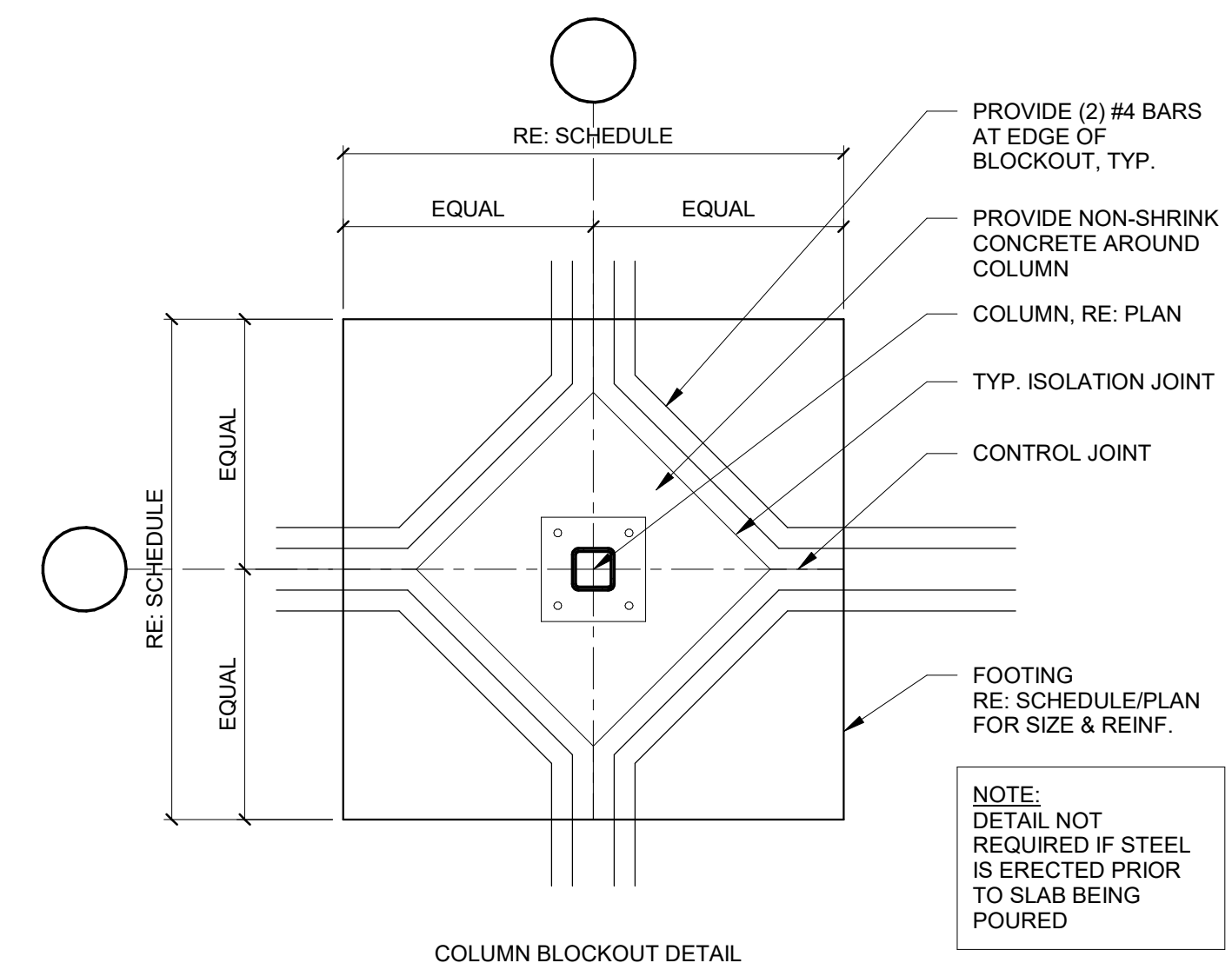
8 PIPE UNDER GRADE BEAM DETAIL
3/4" = 1'-0"



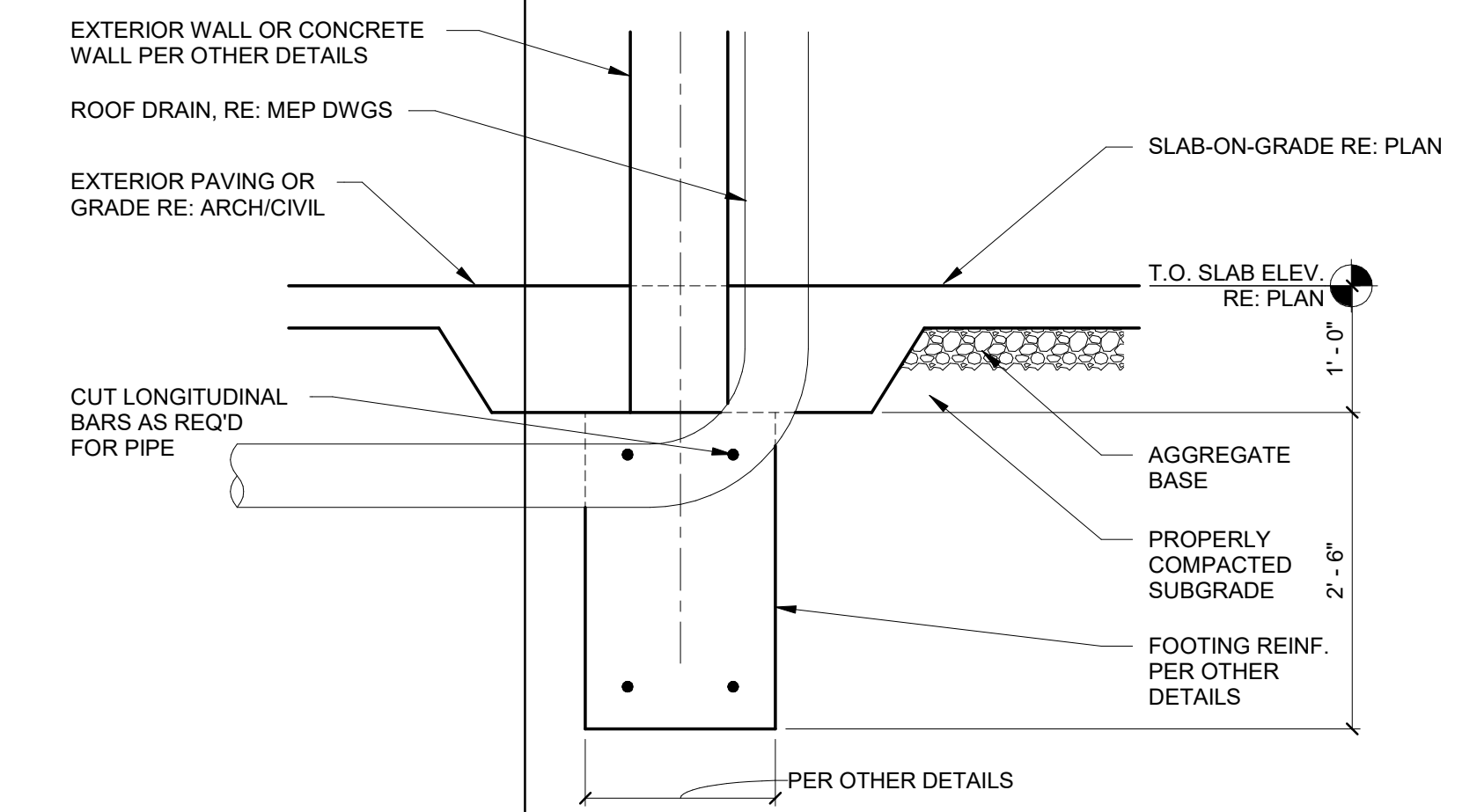
9 TYPICAL CORNER BAR DETAIL
3/4" = 1'-0"



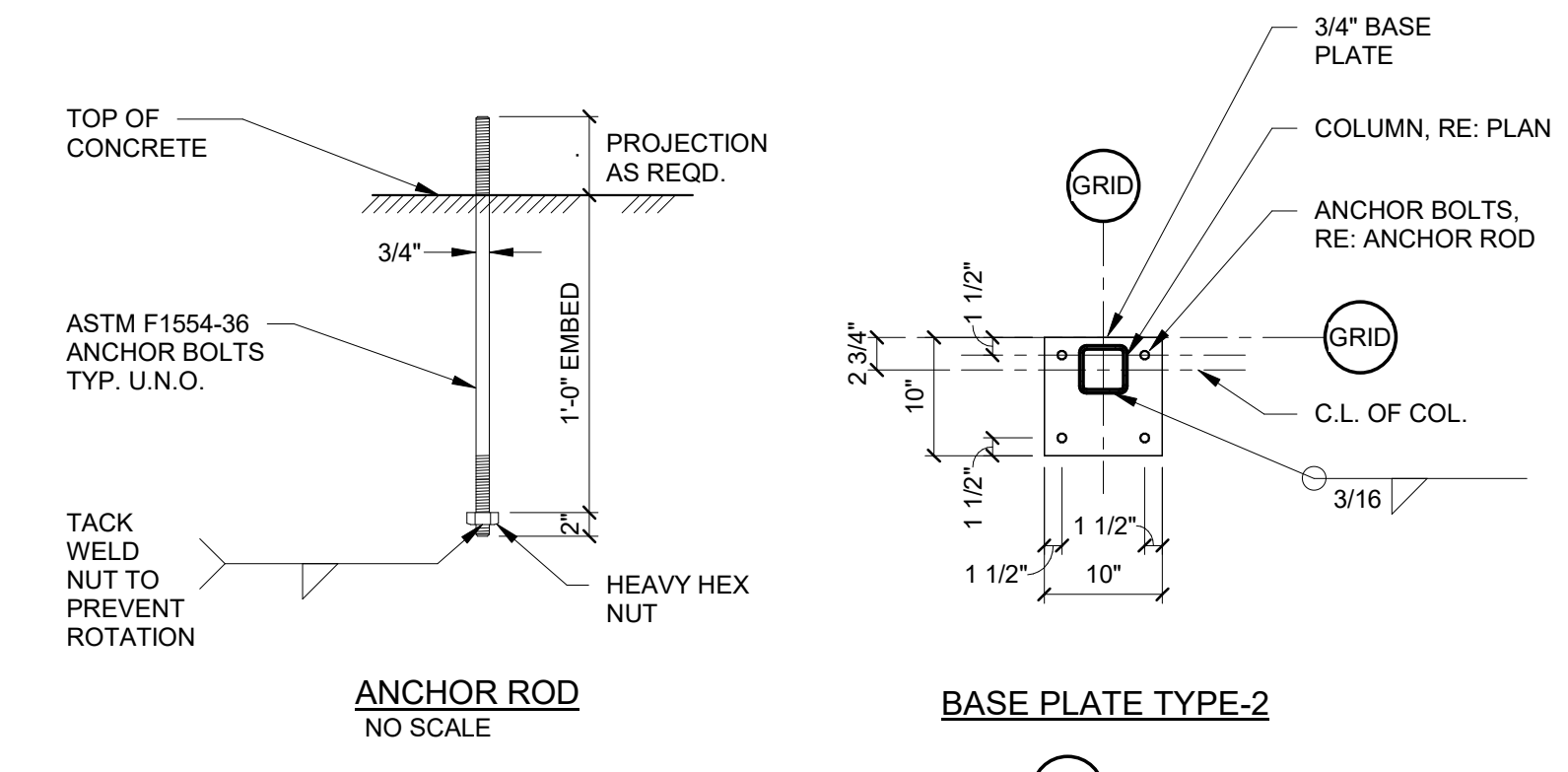
SECTION A-A
3/4" = 1'-0"



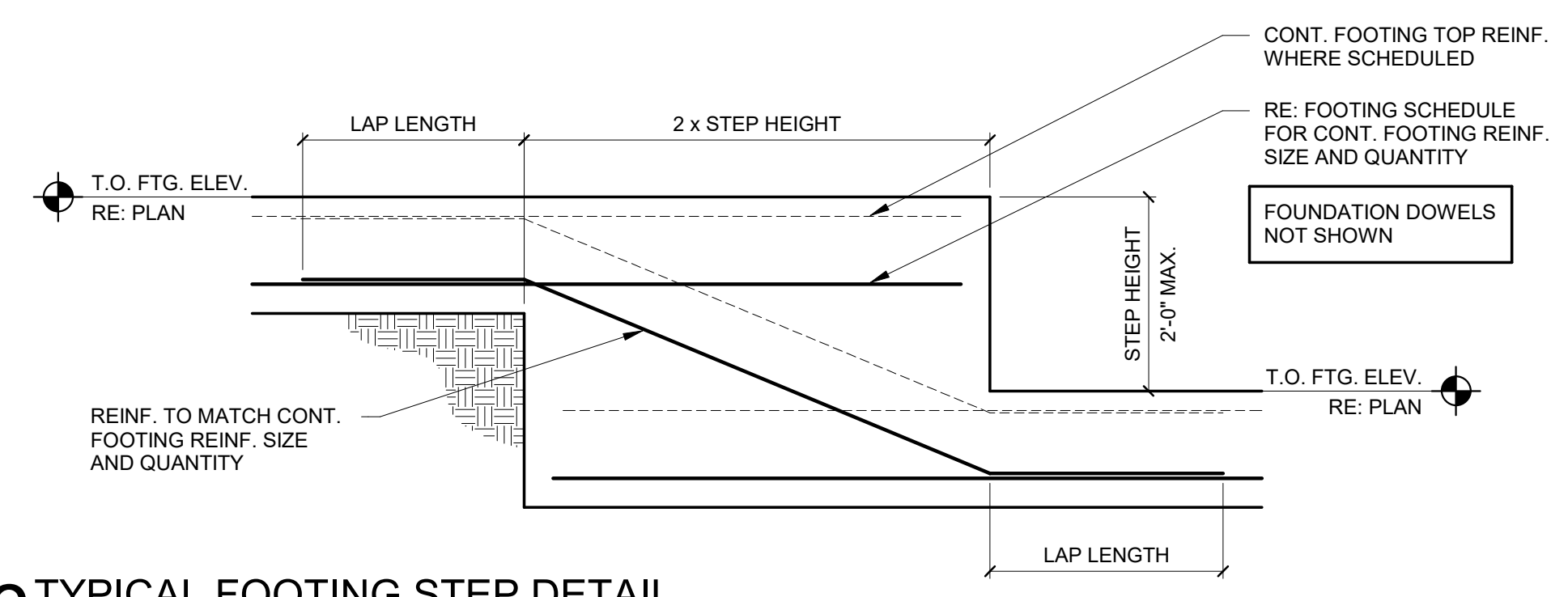
5 COLUMN BLOCKOUT DETAIL
3/4" = 1'-0"



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



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



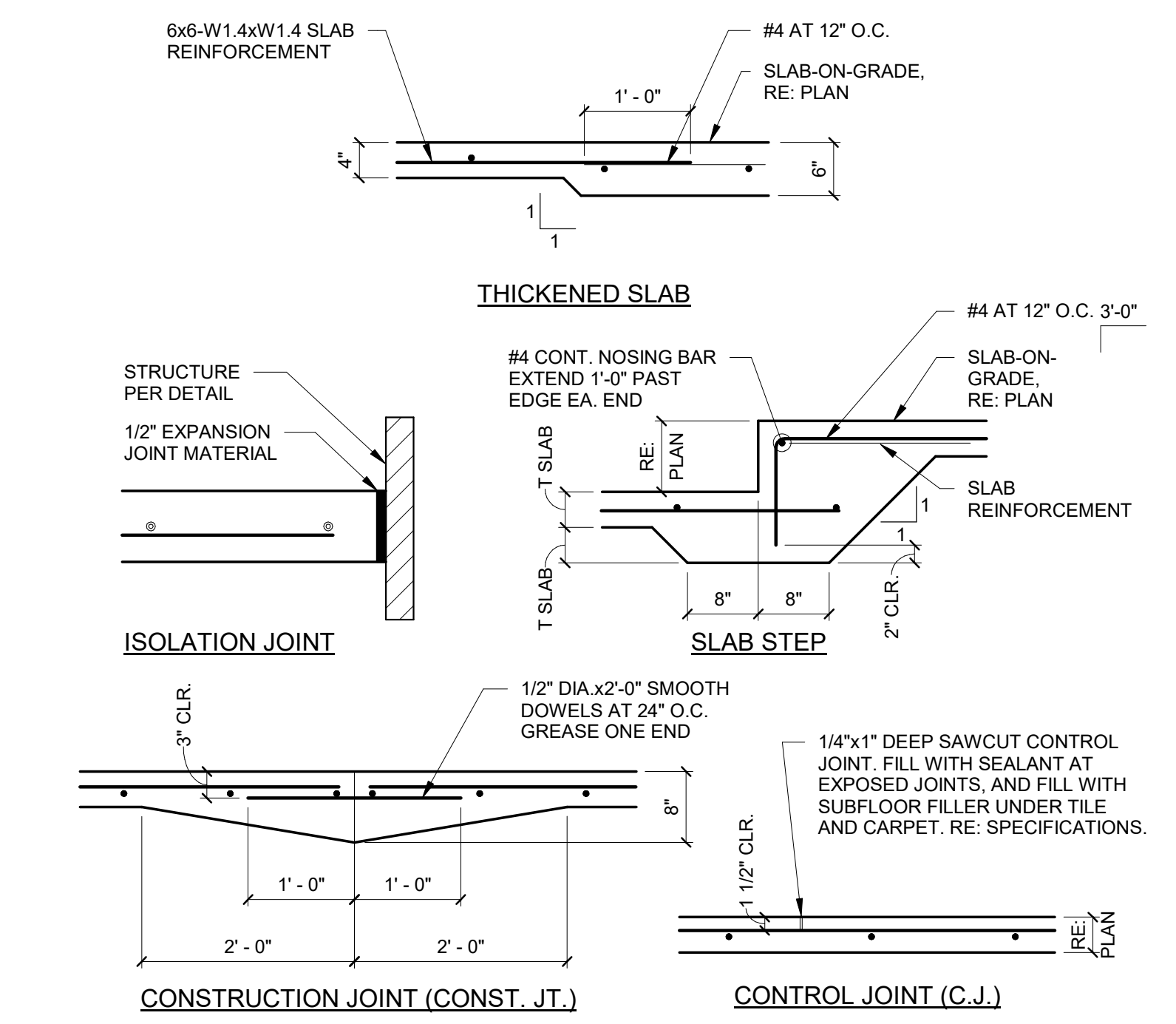
6 TYPICAL FOOTING STEP DETAIL
3/4" = 1'-0"

CONCRETE REINFORCING LAP LENGTH SCHEDULE

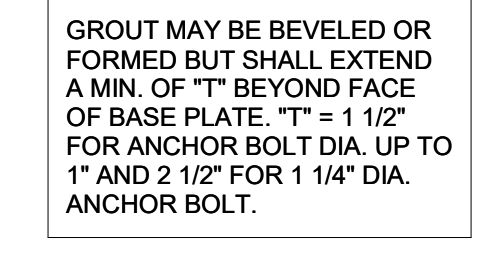
BAR SIZE	STRUCTURAL ELEMENT MINIMUM COMPRESSIVE STRENGTH (f'c)					
	3000psi		4000psi		4500psi	
	TOP BARS	OTHER	TOP BARS	OTHER	TOP BARS	OTHER
#3	28"	22"	25"	19"	23"	18"
#4	38"	29"	33"	25"	31"	24"
#5	47"	36"	41"	31"	38"	30"
#6	56"	43"	49"	37"	46"	35"
#7	81"	63"	71"	54"	67"	51"
#8	93"	72"	81"	62"	76"	59"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

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

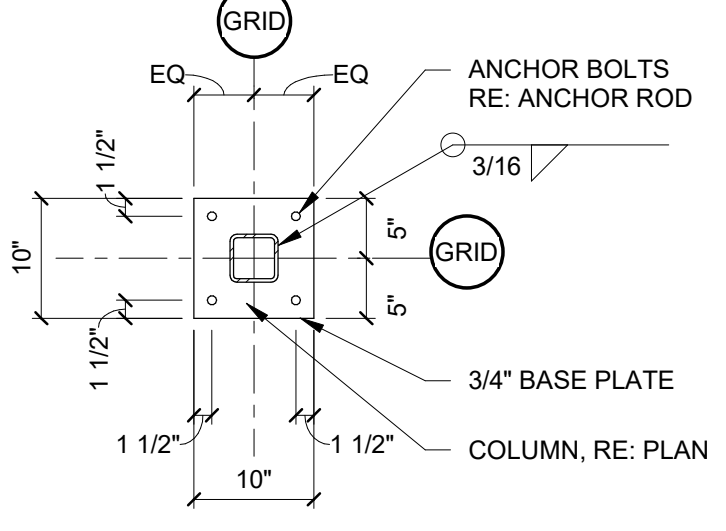
1 CONCRETE REINFORCING LAP SCHEDULE
3/4" = 1'-0"



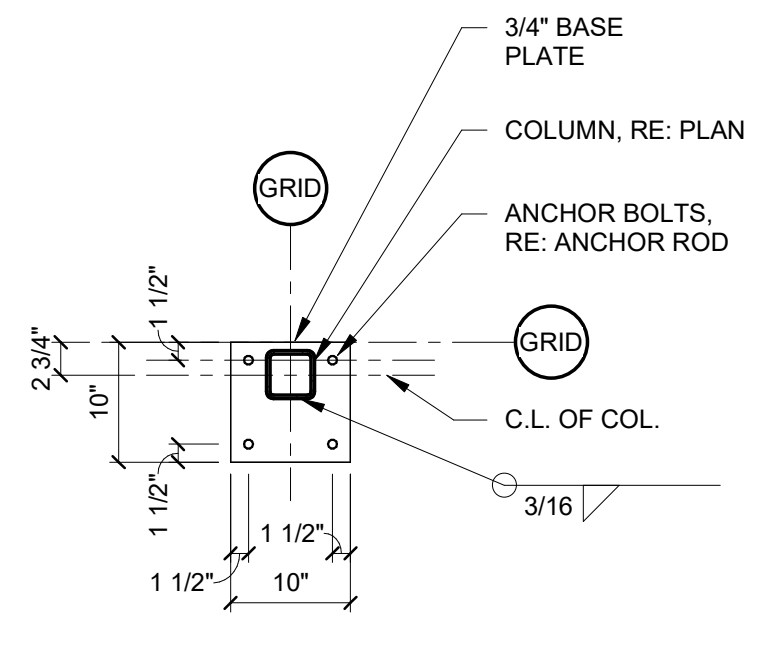
3 SLAB-ON-GRADE JOINT DETAILS
3/4" = 1'-0"



GROUT PLACEMENT
NO SCALE



BASE PLATE TYPE-1
3/4" = 1'-0"



BASE PLATE TYPE-2
3/4" = 1'-0"



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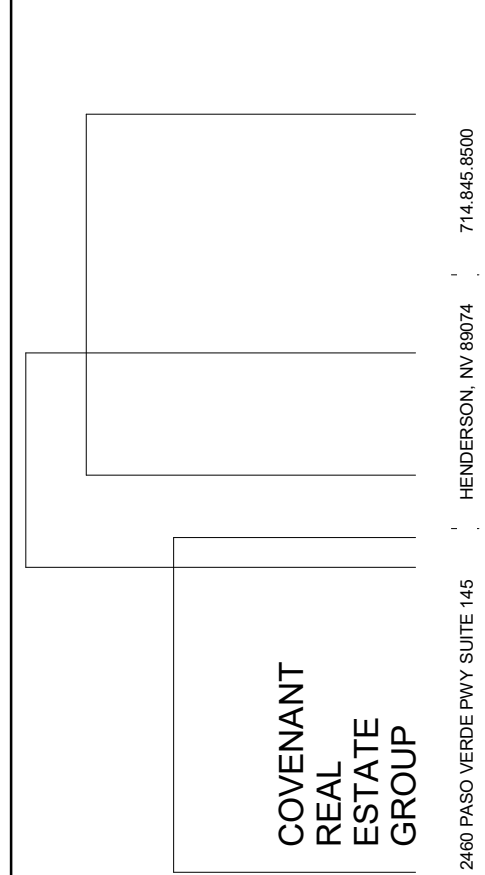
ADDRESS:
400 NW CHIPMAN RD
LEE'S SUMMIT, MO 64896

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MAIN CONTACT

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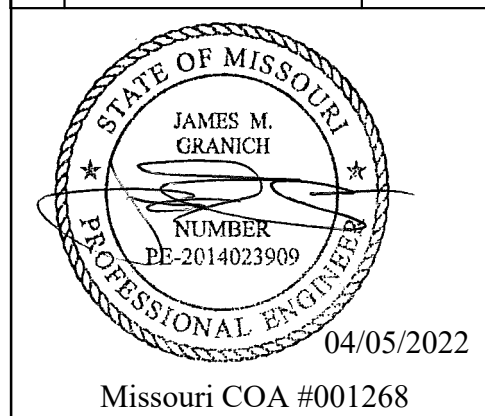


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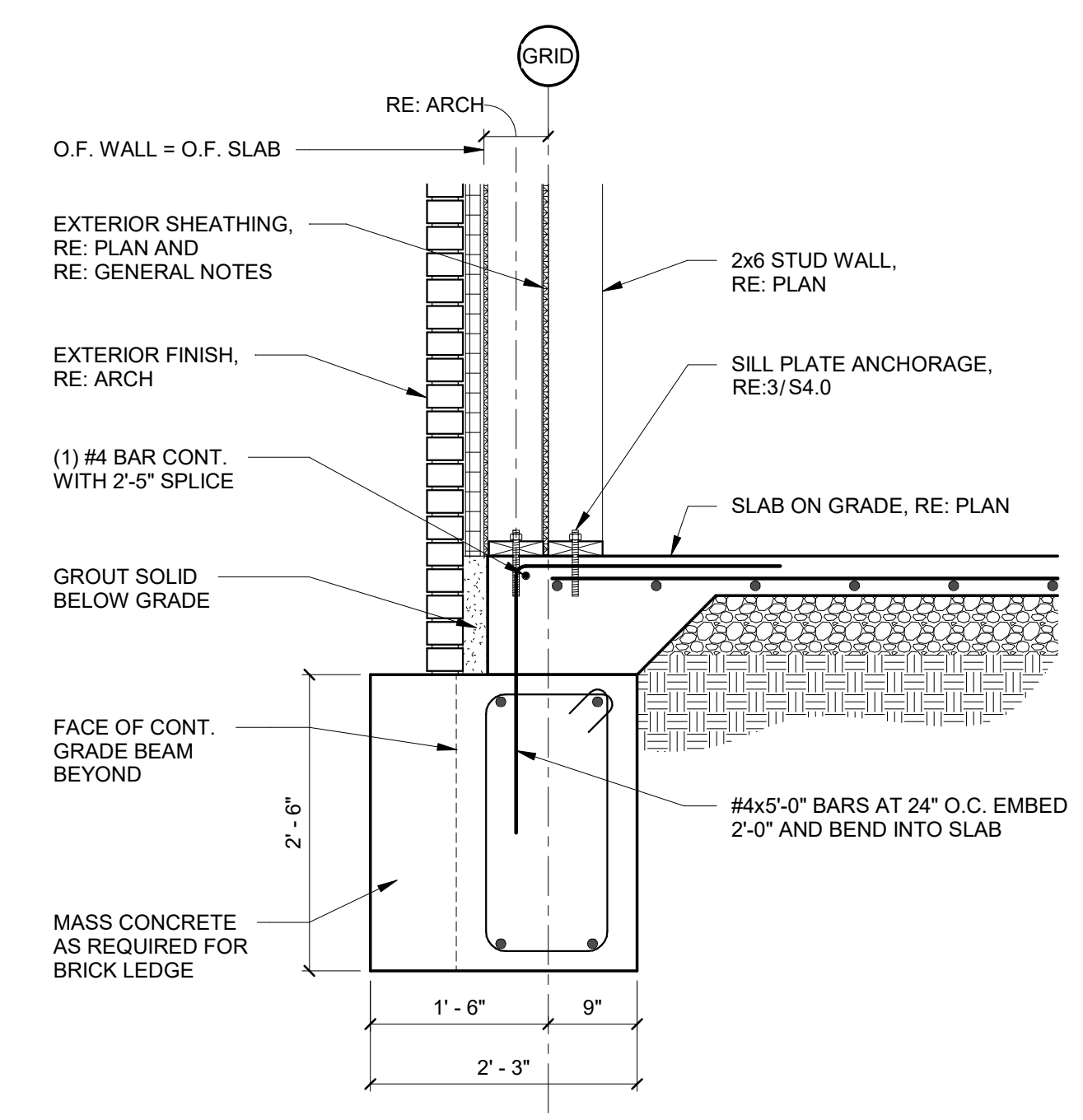
REVISION SCHEDULE

NO	DESCRIPTION	DATE

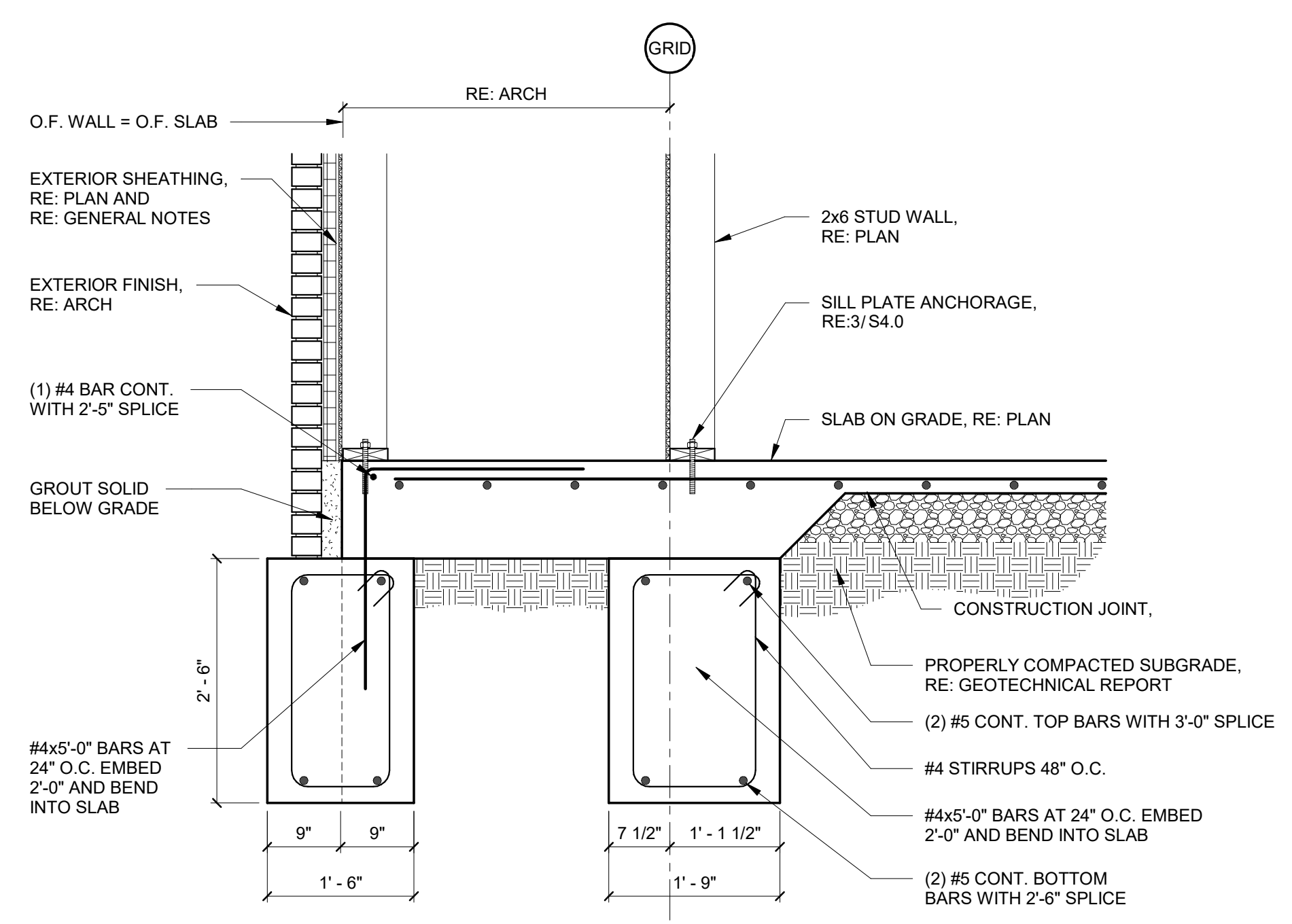


FOUNDATION DETAILS

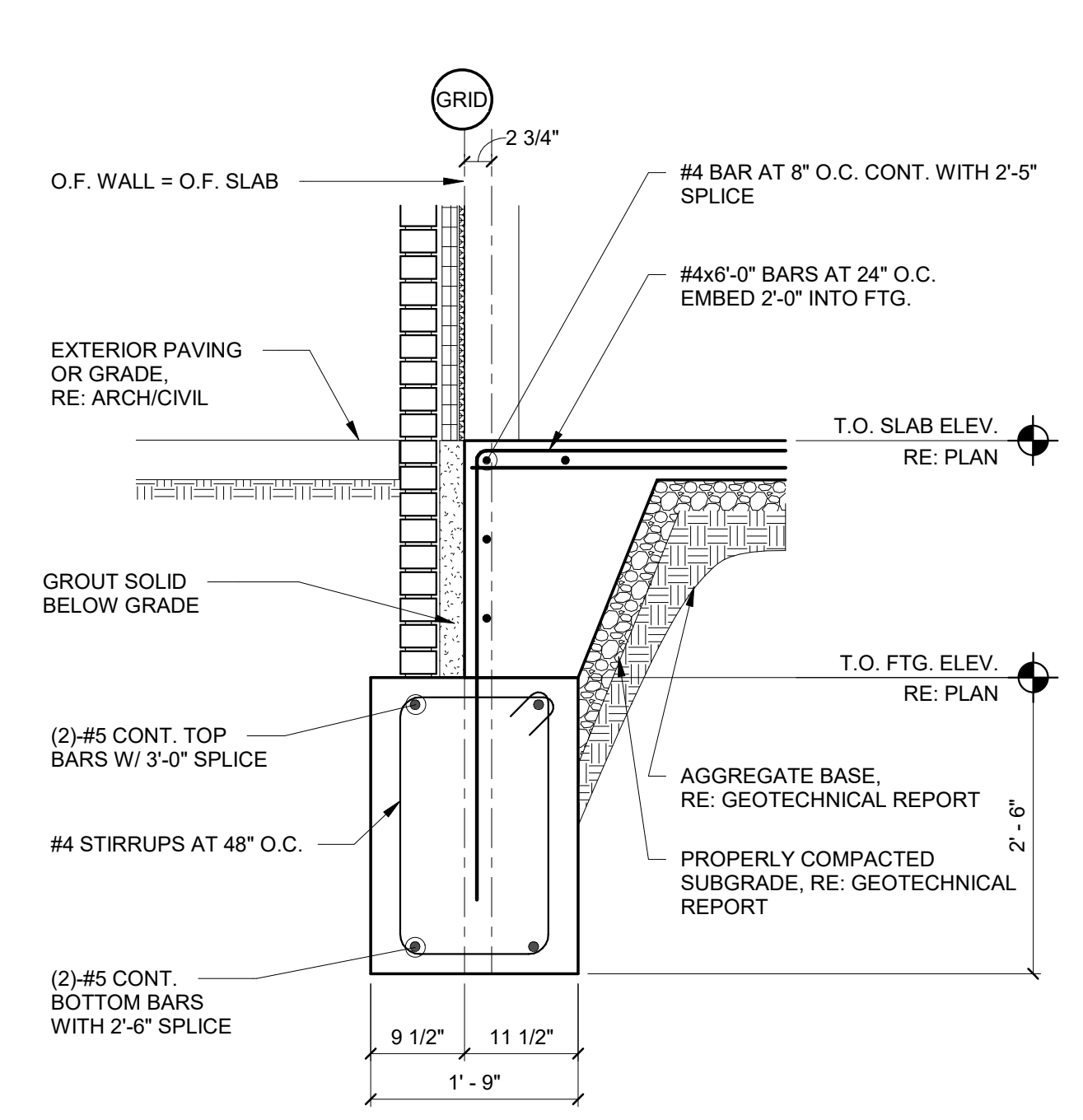
S3.1



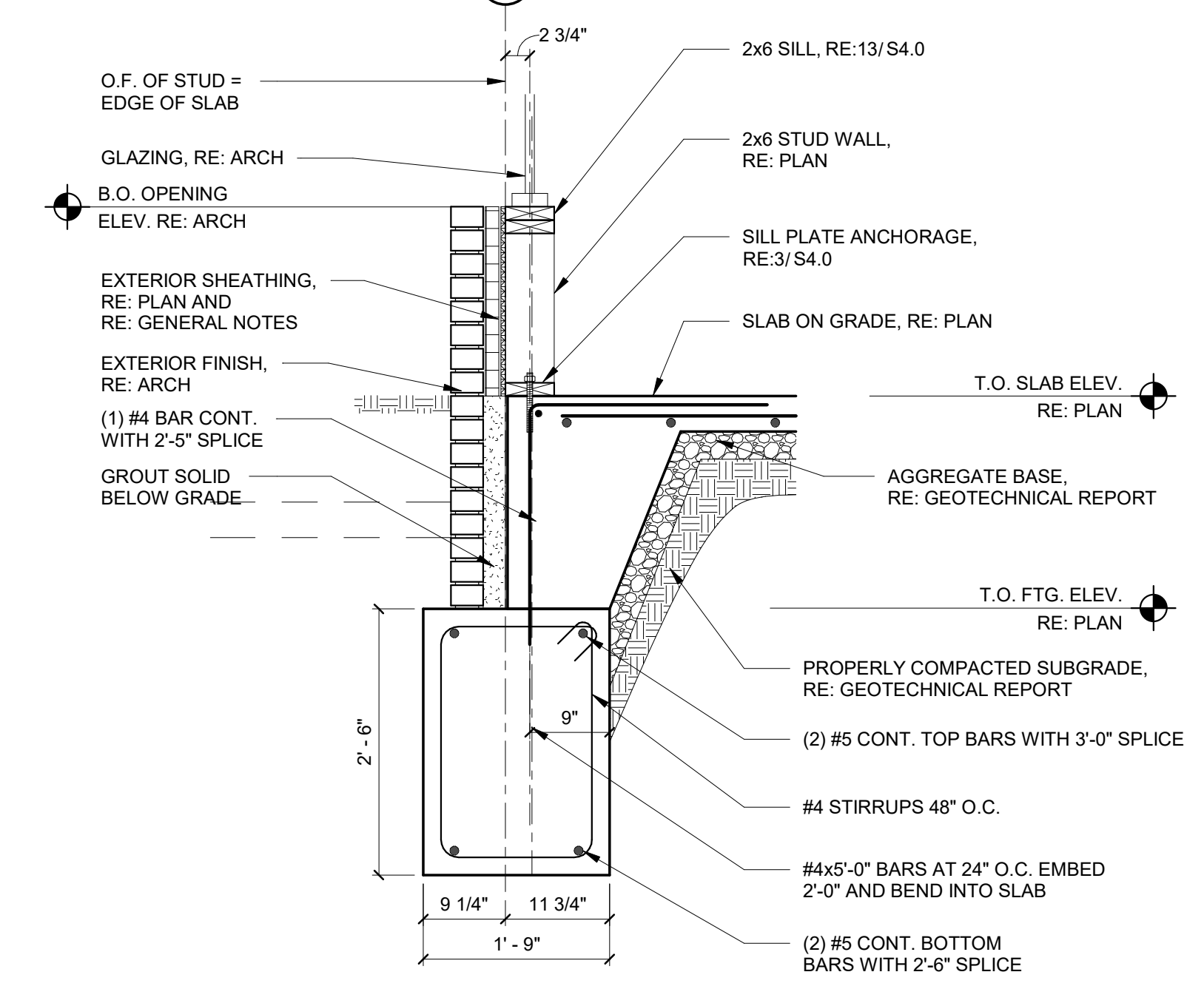
8 THICKENED FOOTING SECTION
3/4" = 1'-0"



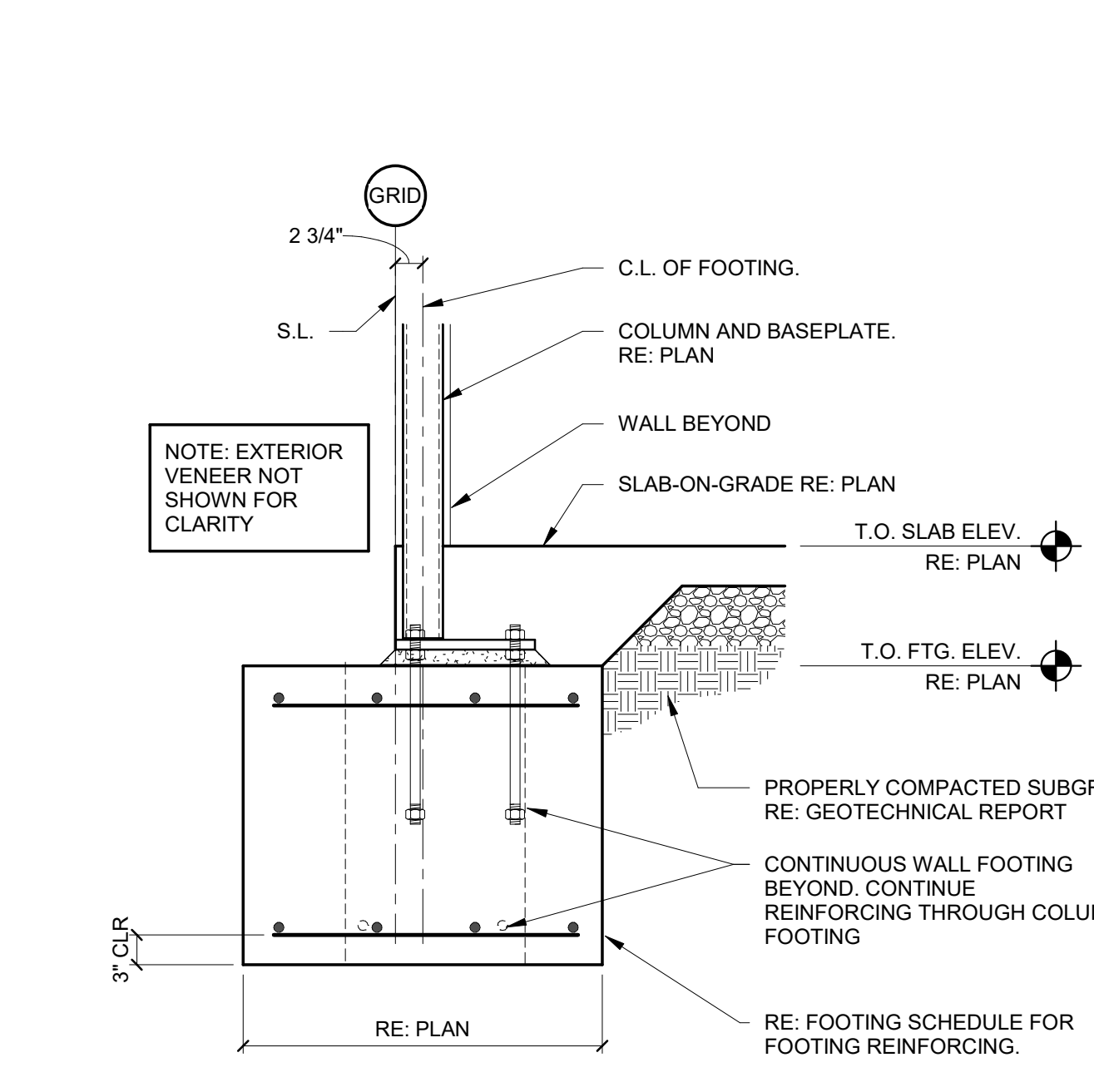
7 PILASTER SECTION
3/4" = 1'-0"



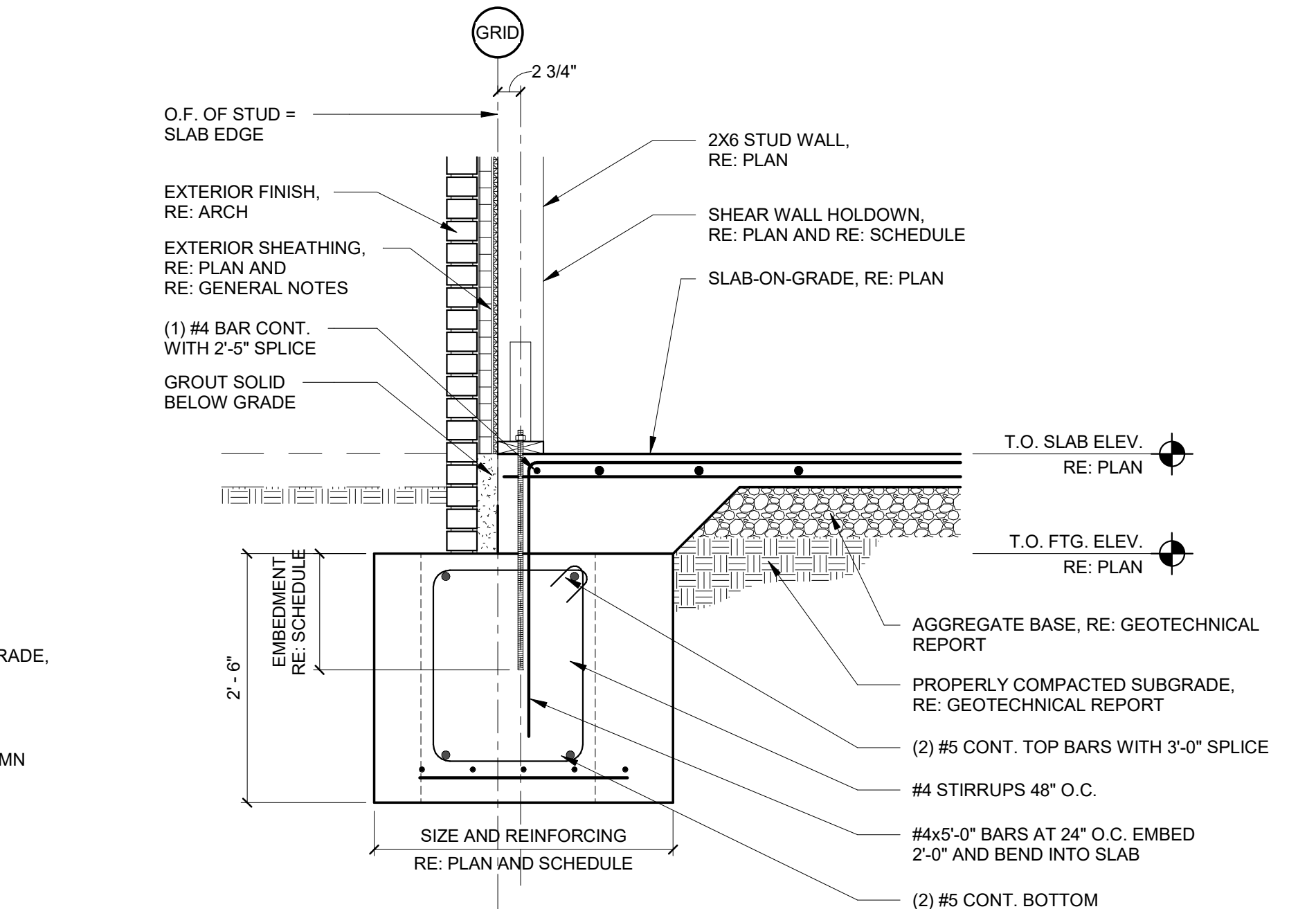
6 FOUNDATION SECTION
3/4" = 1'-0"



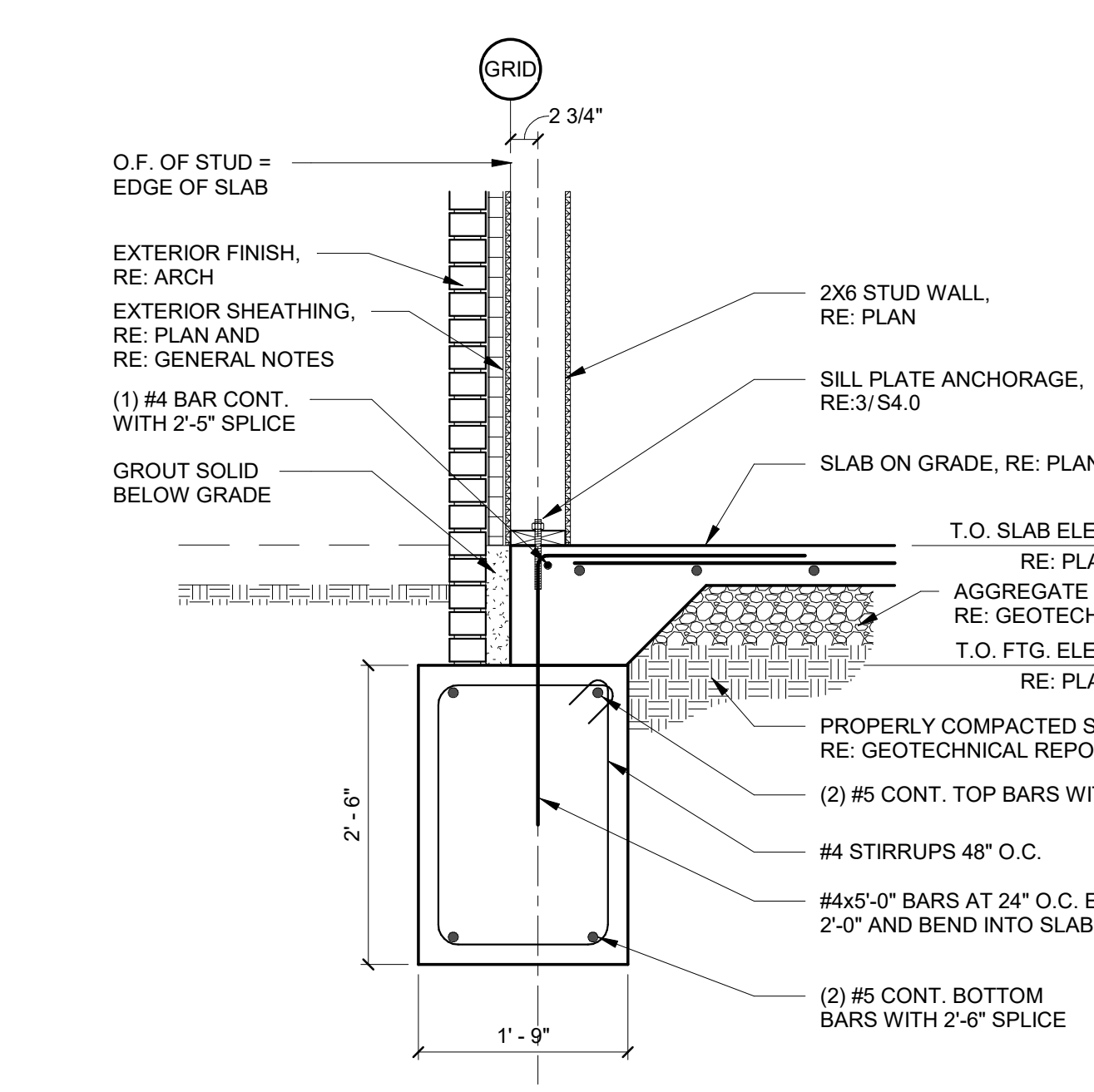
5 GRADE BEAM SECTION AT WINDOW
3/4" = 1'-0"



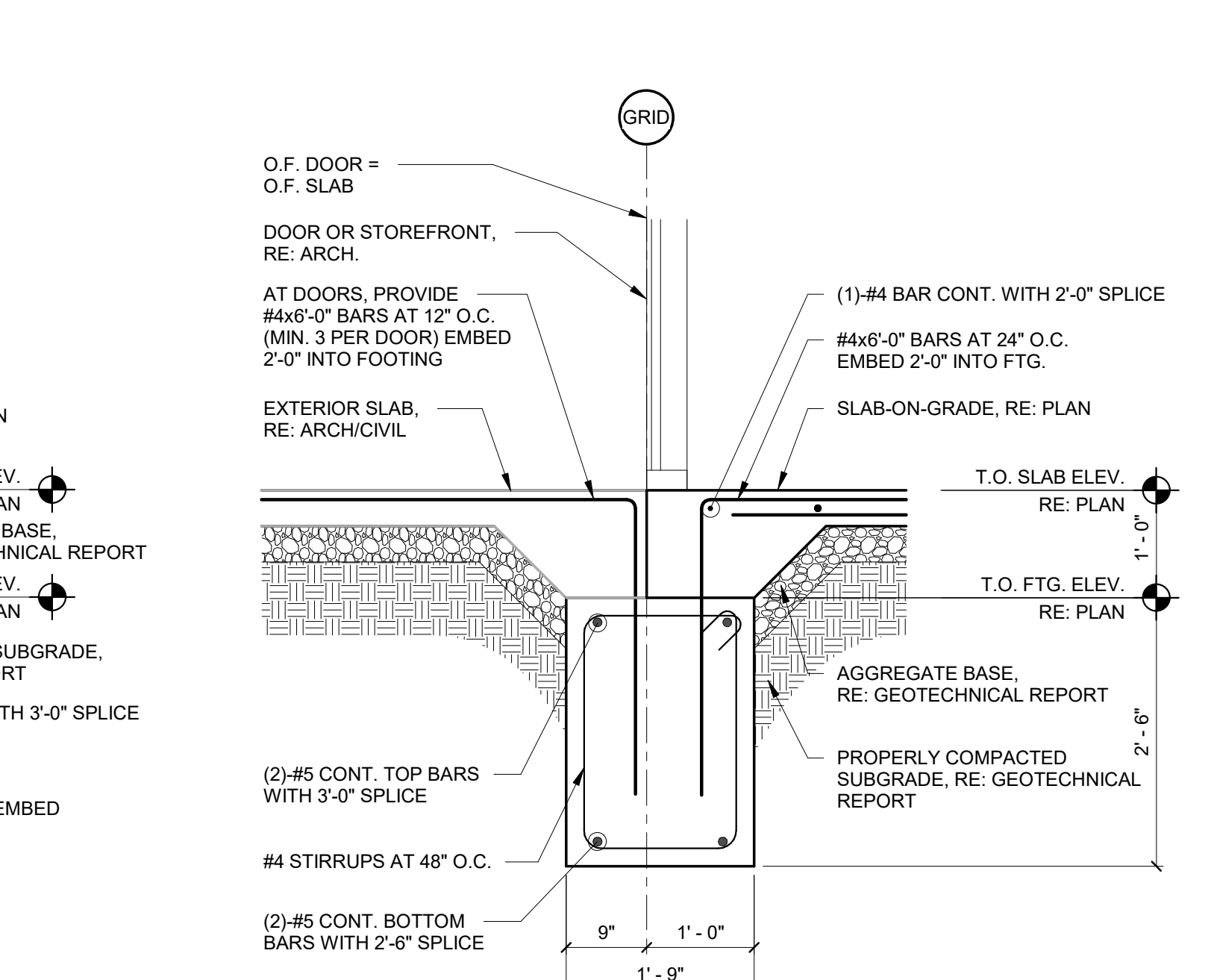
4 EXTERIOR WALL AT COLUMN
3/4" = 1'-0"



3 SHEAR WALL FOUNDATION SECTION
3/4" = 1'-0"



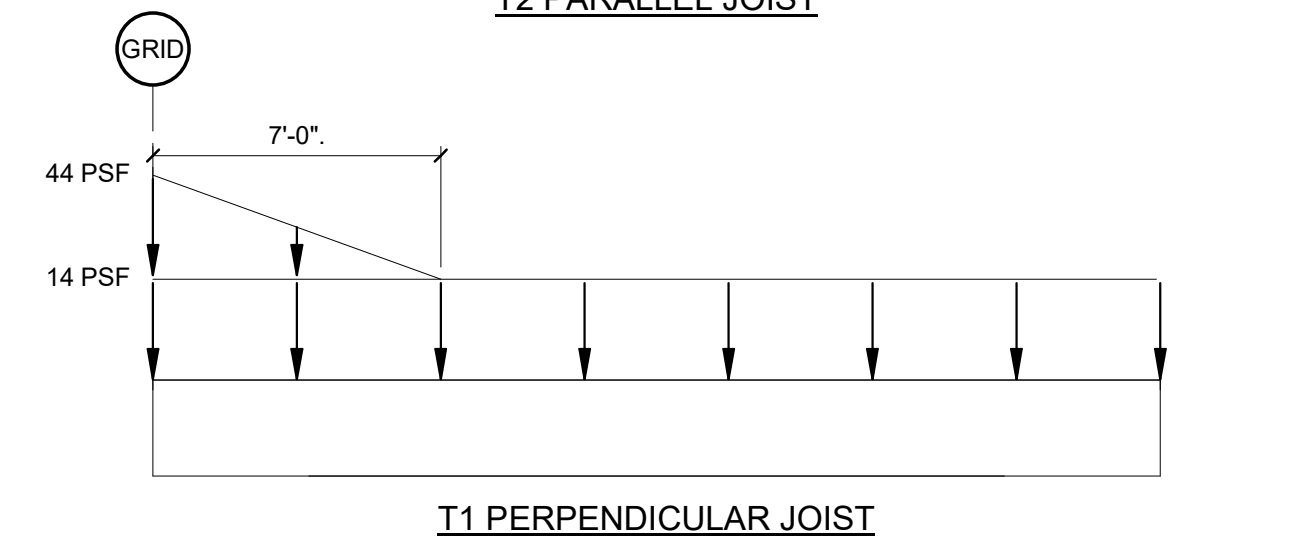
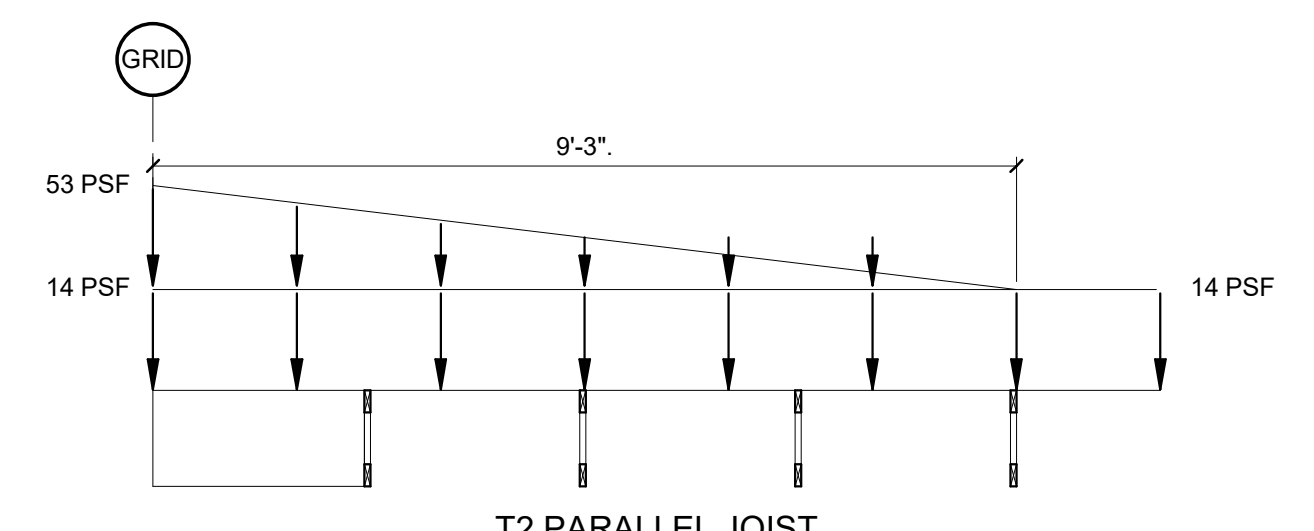
2 GRADE BEAM SECTION AT WALL
3/4" = 1'-0"



1 FOUNDATION SECTION
3/4" = 1'-0"



Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
123 N. Martin Luther King Jr. Blvd.
Tulsa, Oklahoma 74103
918.584.5858, 800.364.5858



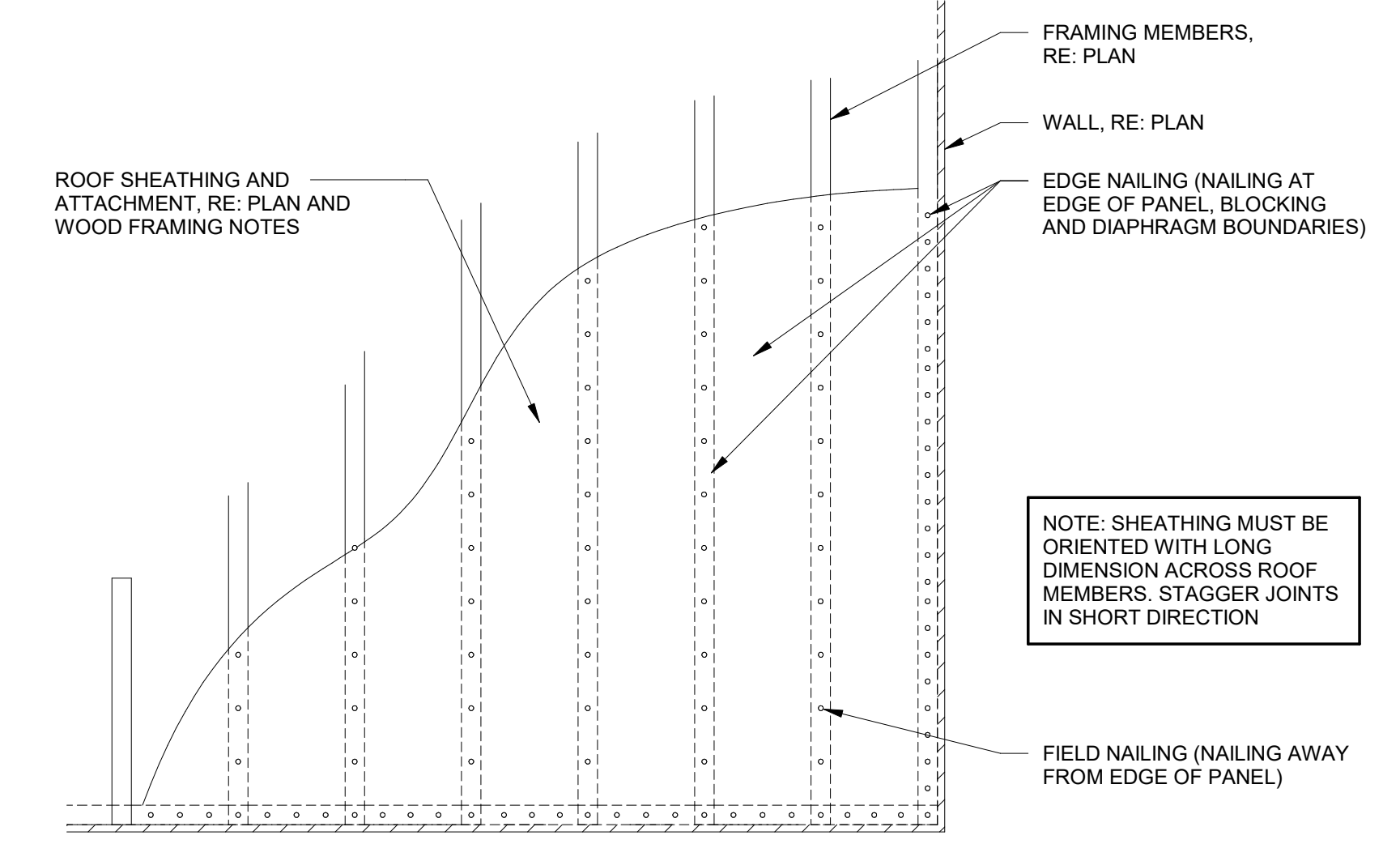
NOTES:
1. ROOF TRUSSES SHALL BE DESIGNED FOR THE CODE LOADING SPECIFIED WITHIN THE GENERAL NOTES. SNOW DRIFT SHALL BE PER THE LOADING SPECIFIED ABOVE.

6 JOIST SNOW DRIFT
1/4" = 1'-0"

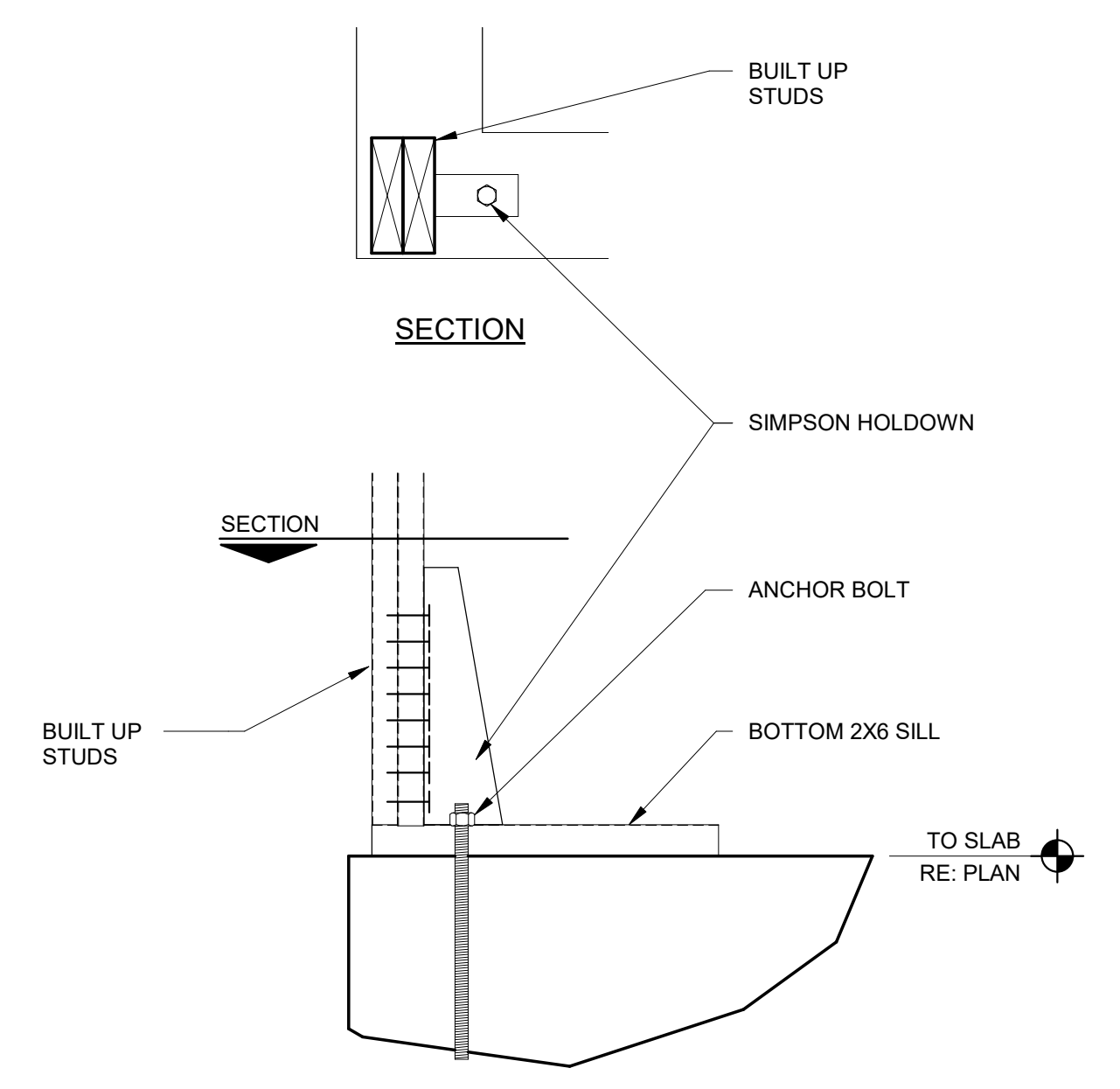
MARK	SHEATHING PANEL	NAILING		ANCHORS		
		AT PANEL EDGES AND BOUNDARIES	AT INTERMEDIATE FRAMING MEMBERS	SILL PLATE TO CONCRETE	HOLDOWN ANCHORS (RE: PLANS FOR LOCATIONS)	BUILT-UP END STUDS
SW1	5/16" WOOD STRUCTURAL PANEL ONE SIDE	6d AT 6" O.C.	6d AT 12" O.C.	5/8" DIA. SIMPSON TITEN HD ANCHOR AT 48" O.C. WITH 6" EMBEDMENT	(1) SIMPSON HDU4-SDS2.5 HOLDOWN WITH 5/8" DIA. HILTI HIT-HY 200 ADHESIVE WITH 12" EMBEDMENT	(2) 2x6
SW2	5/16" WOOD STRUCTURAL PANEL ONE SIDE	6d AT 4" O.C.	6d AT 12" O.C.	5/8" DIA. SIMPSON TITEN HD ANCHOR AT 48" O.C. WITH 6" EMBEDMENT	(1) SIMPSON HDU5-SDS2.5 HOLDOWN WITH 5/8" DIA. HILTI HIT-HY 200 ADHESIVE WITH 12" EMBEDMENT	(2) 2x6

NOTES:
1. RE: PLANS FOR ANCHOR BOLT AND HOLDOWN LOCATIONS.
2. ALL SHEATHING TO BE APA RATED, EXPOSURE I.
3. HOLDOWN EMBEDMENT DOES NOT INCLUDE SLAB-ON-GRADE THICKNESS

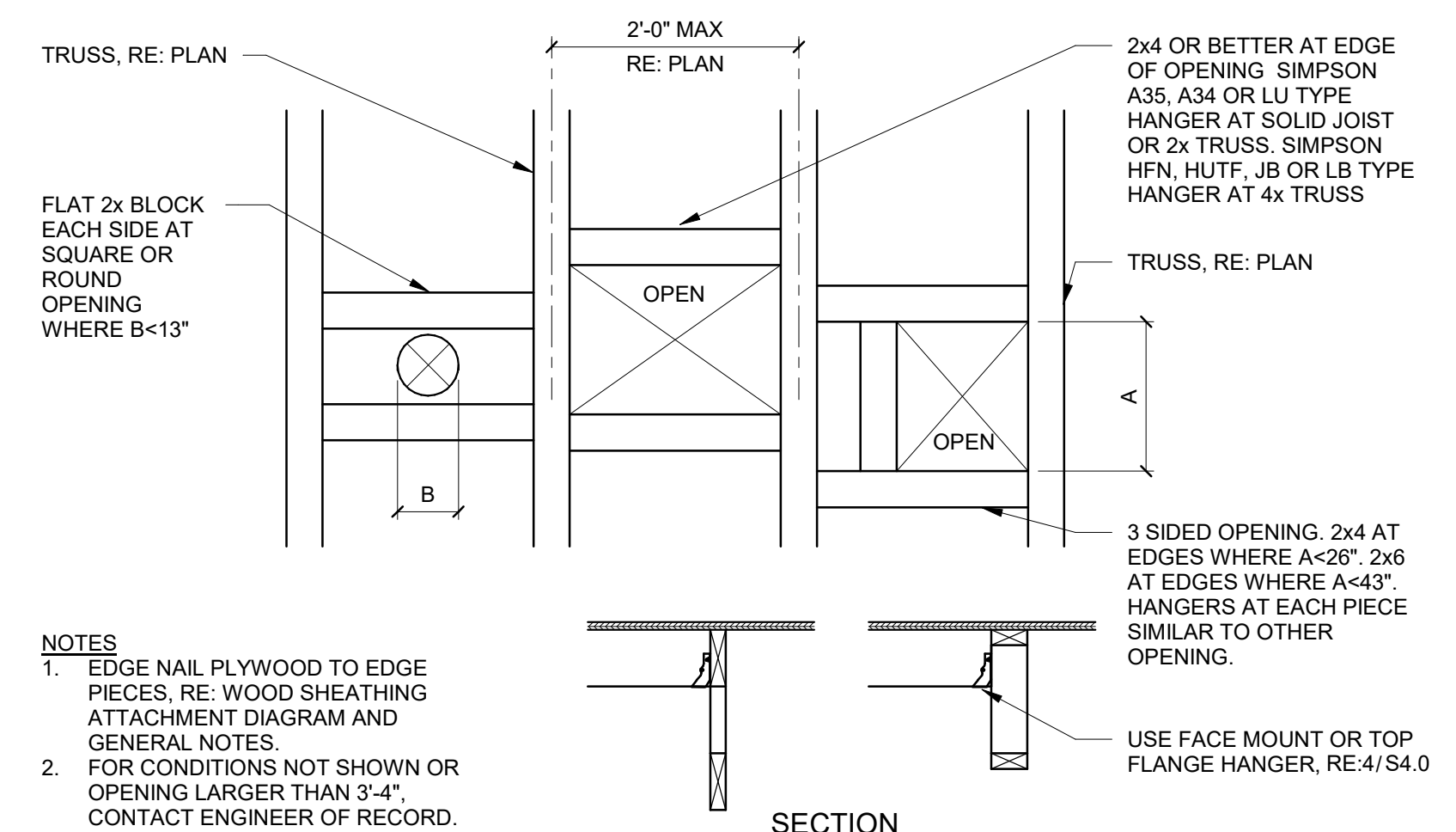
5 SHEAR WALL SCHEDULE
3/4" = 1'-0"



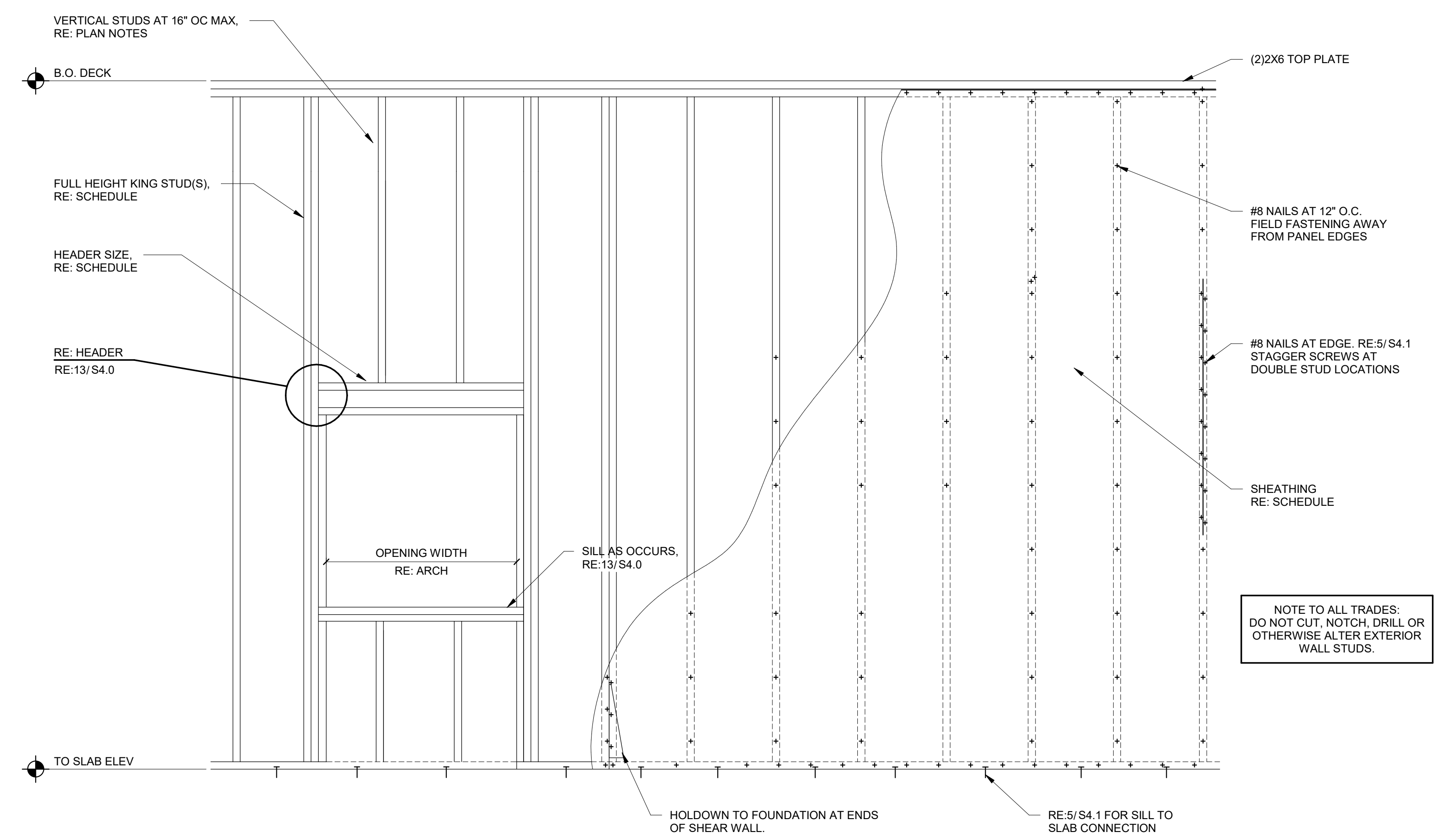
4 WOOD SHEATHING ATTACHMENT DIAGRAM
3/4" = 1'-0"



3 SHEAR WALL HOLDOWN
1 1/2" = 1'-0"



2 SMALL OPENING IN PLYWOOD DECK
3/4" = 1'-0"



SHEAR WALL NOTES:
1. SEE HOLDOWN ANCHOR DETAIL, RE:3/S4.1 FOR ADDITIONAL INFORMATION.
2. WALL STUDS SHALL BE CONTINUOUS FROM BOTTOM TO TOP.
3. SHEAR WALL HOLDOWNS LOCATED AT EACH WALL CORNER. RE: FOUNDATION PLAN

1 WOOD STRUCTURAL WALL ELEVATION
3/4" = 1'-0"

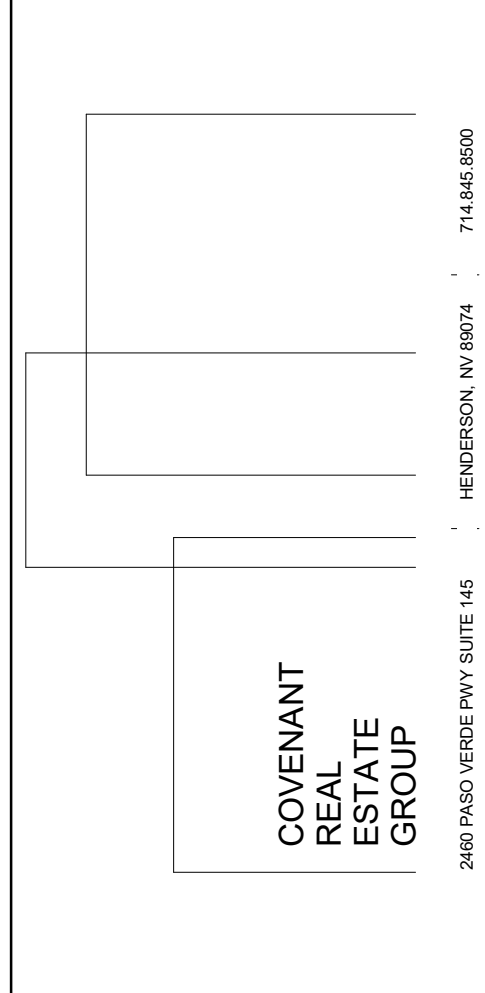
PROJECT INFO

CLIENT:
COVENANT GROUP, LLC
PROJECT:
BUILDING SHELL - LEE'S SUMMIT, MO - CHIPMAN RD
ADDRESS:
400 NW CHIPMAN RD
LEE'S SUMMIT, MO 64006
PROJECT NO: 267

MAIN CONTACT

CHRISTOPHER CLARK, AIA, NCARB
7701 E KELLOGG DR, STE 630
WICHITA, KS 67207
(316) 302-4472
chris@clarkitecture.net

DEVELOPER

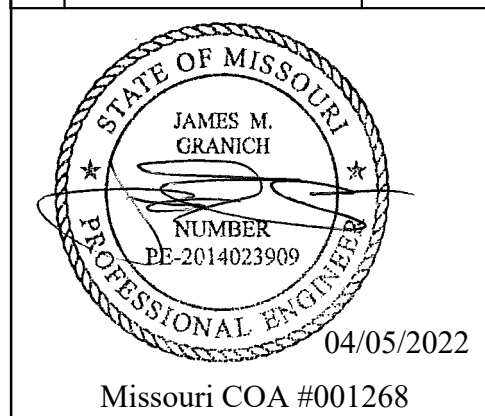


SHEET INFO

ISSUE DATE : 03/31/2022
ISSUED FOR: PERMIT SET

REVISION SCHEDULE

NO	DESCRIPTION	DATE

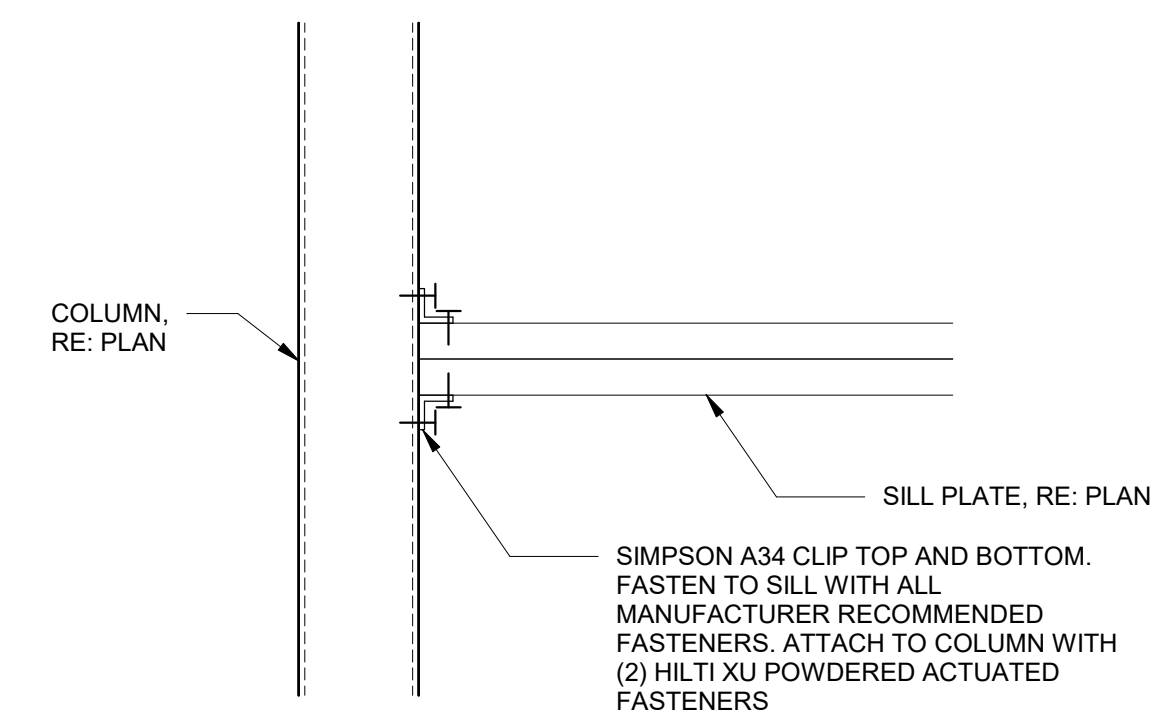


FRAMING DETAILS

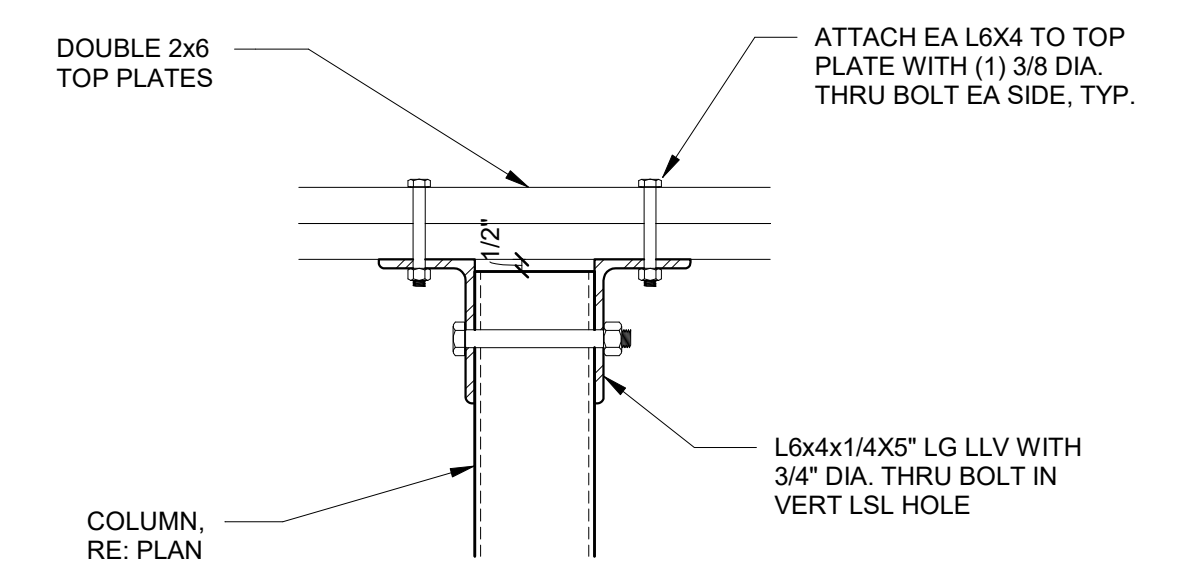
S4.1

wallace
 Wallace Engineering
 Structural Consultants, Inc.
 Structural and Civil Consultants
 123 N. Martin Luther King Jr. Blvd.
 Tulsa, Oklahoma 74103
 918.584.5858, 800.364.5858

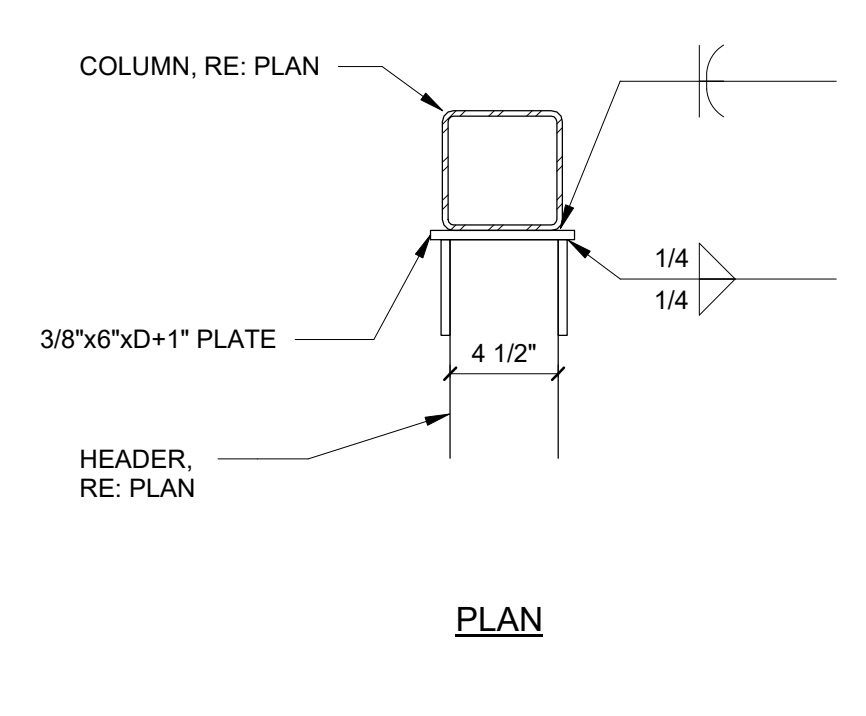
CLARKITECTURE
 BUILDINGS THAT MEAN BUSINESS.
 CLARKITECTURE.NET
 (502) 302-4472



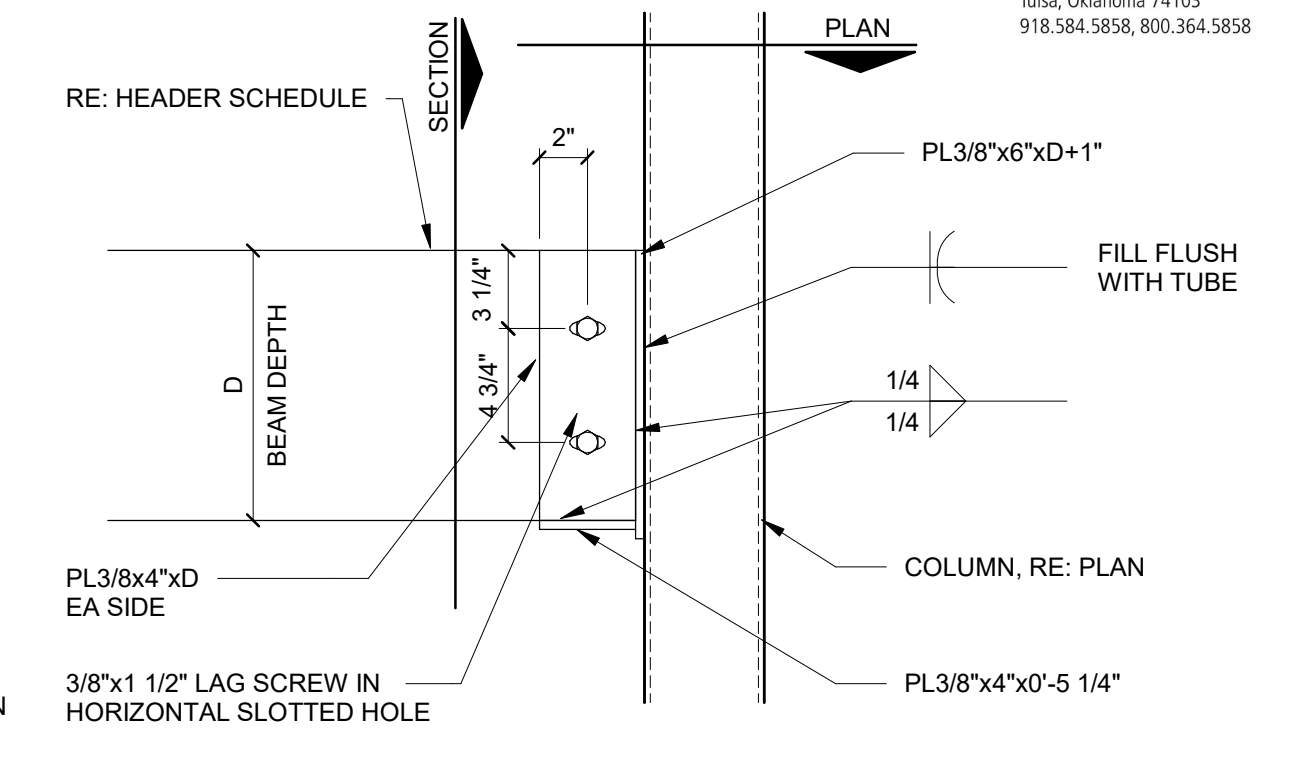
12 COLUMN TO SILL PLATE CONNECTION
 1 1/2" = 1'-0"



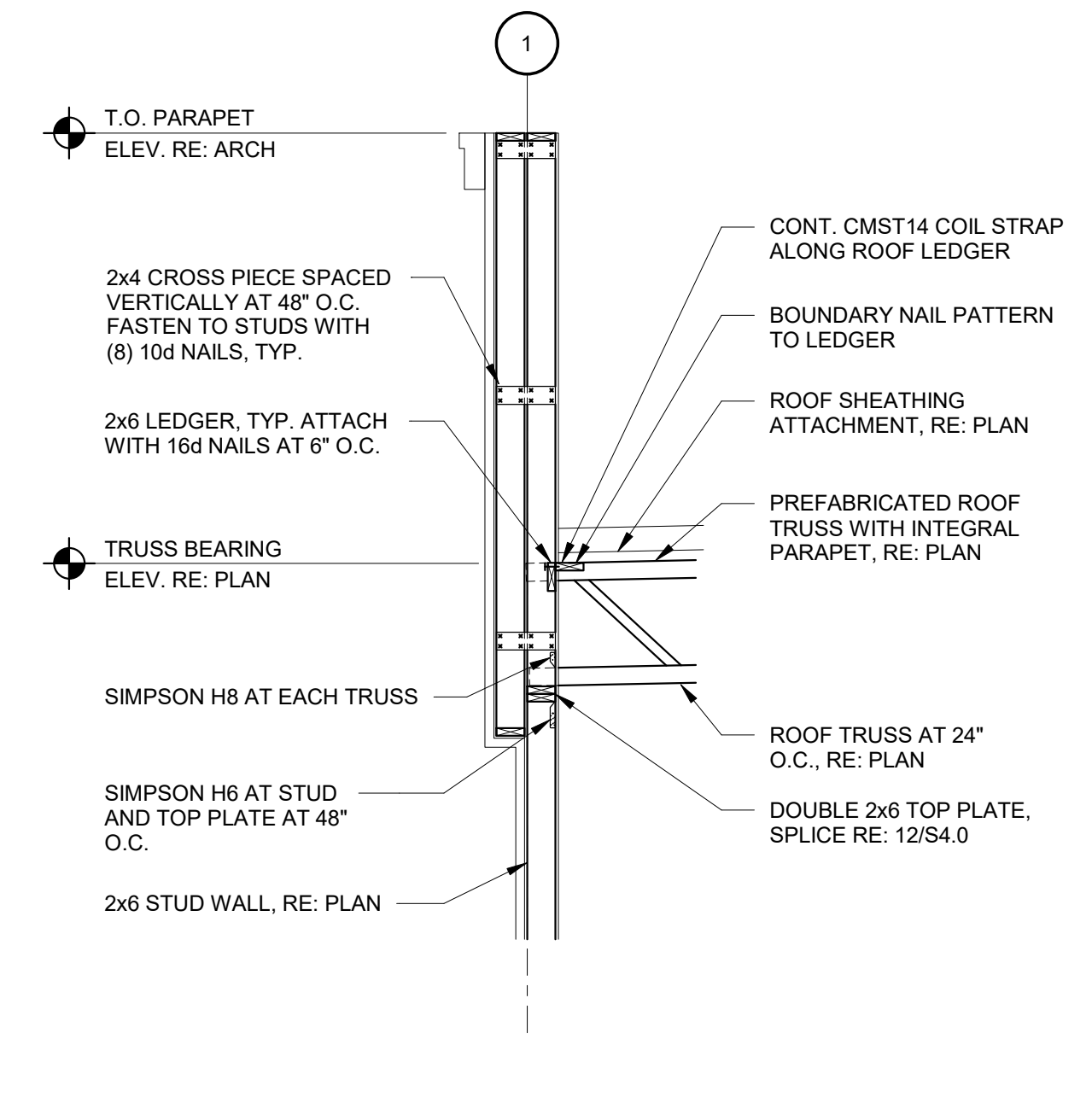
11 COLUMN TO TOP PLATE CONNECTION
 1 1/2" = 1'-0"



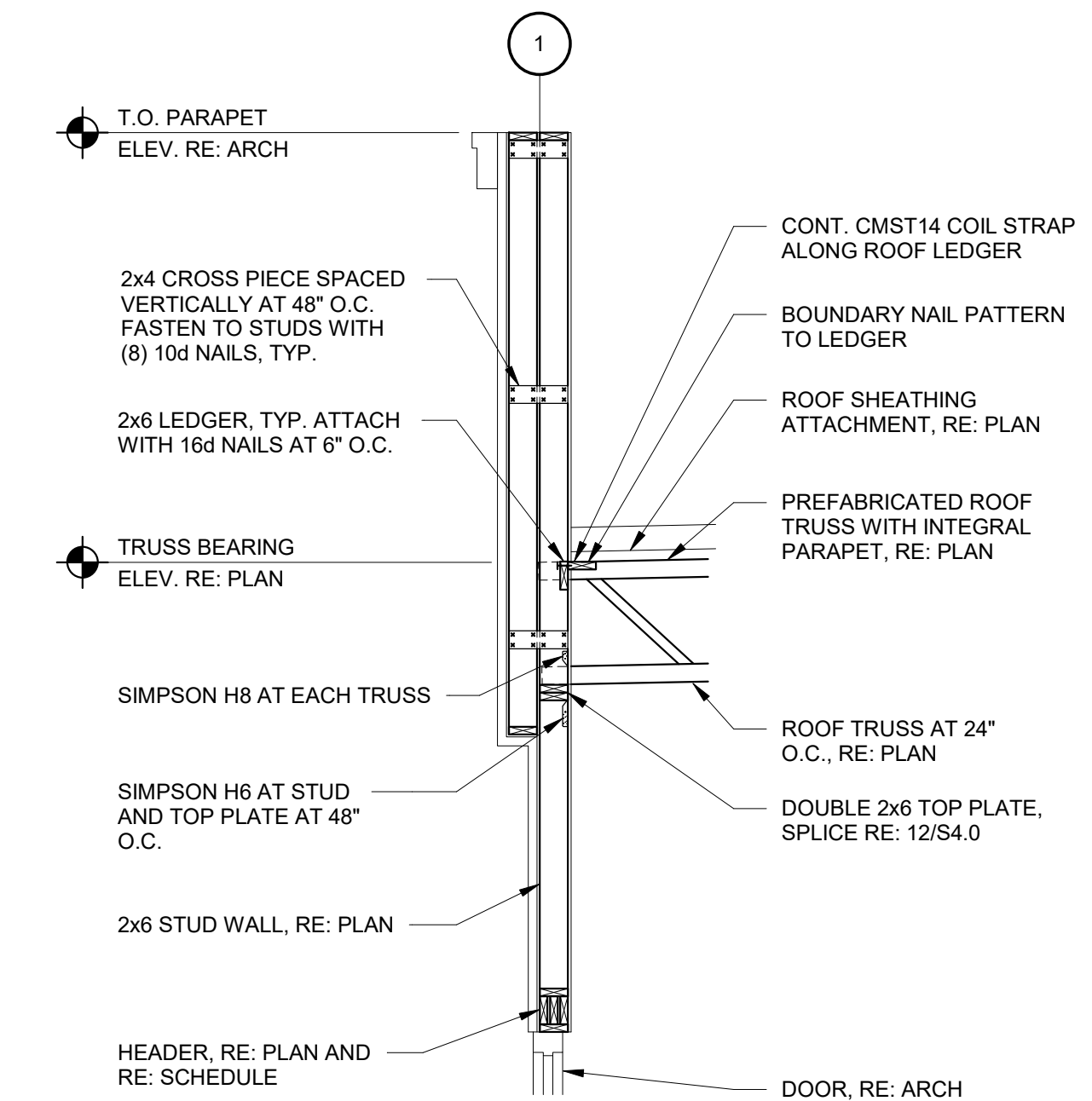
10 HEADER TO STEEL CONNECTION
 1 1/2" = 1'-0"



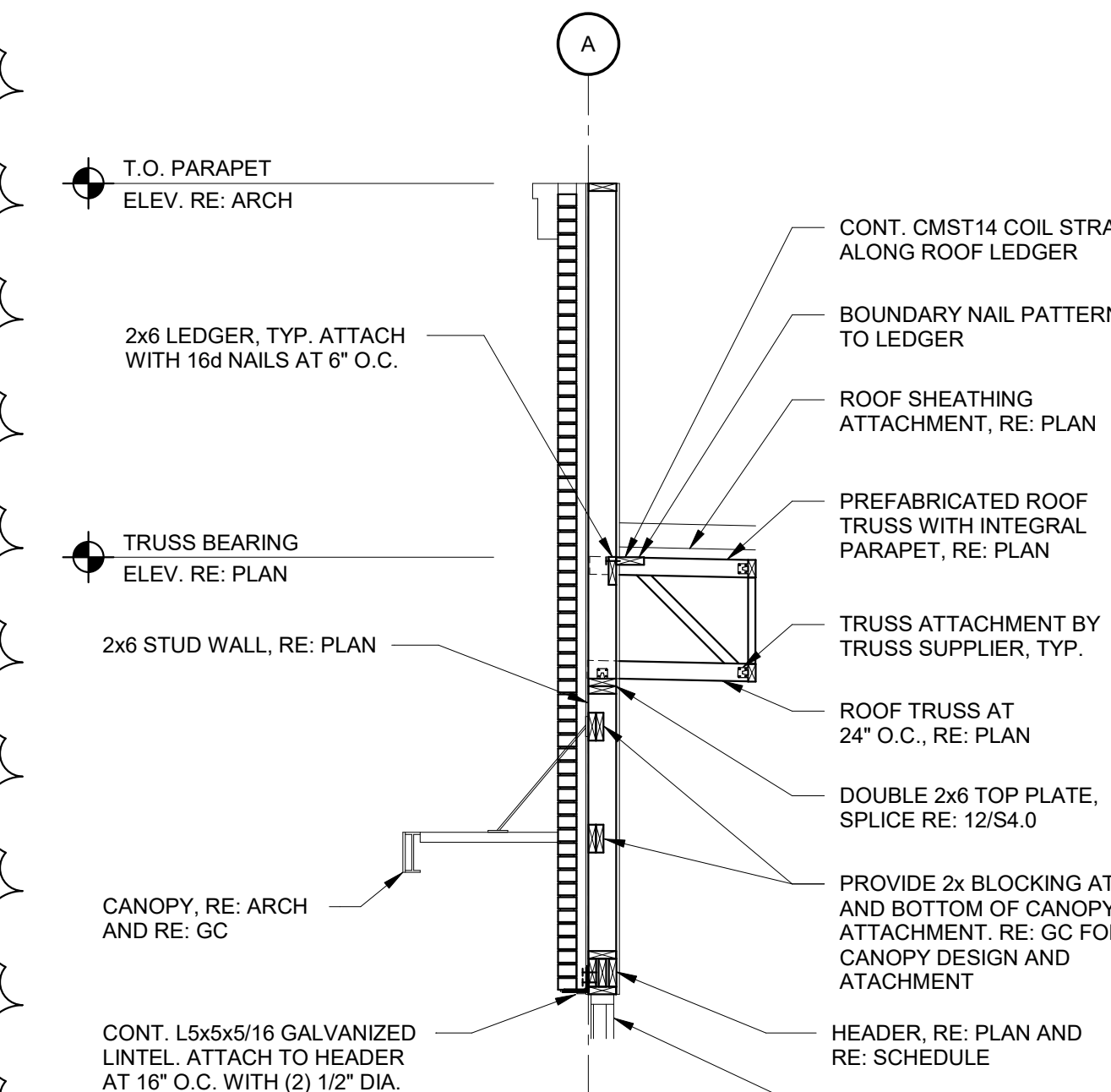
9 WALL SECTION
 3/8" = 1'-0"



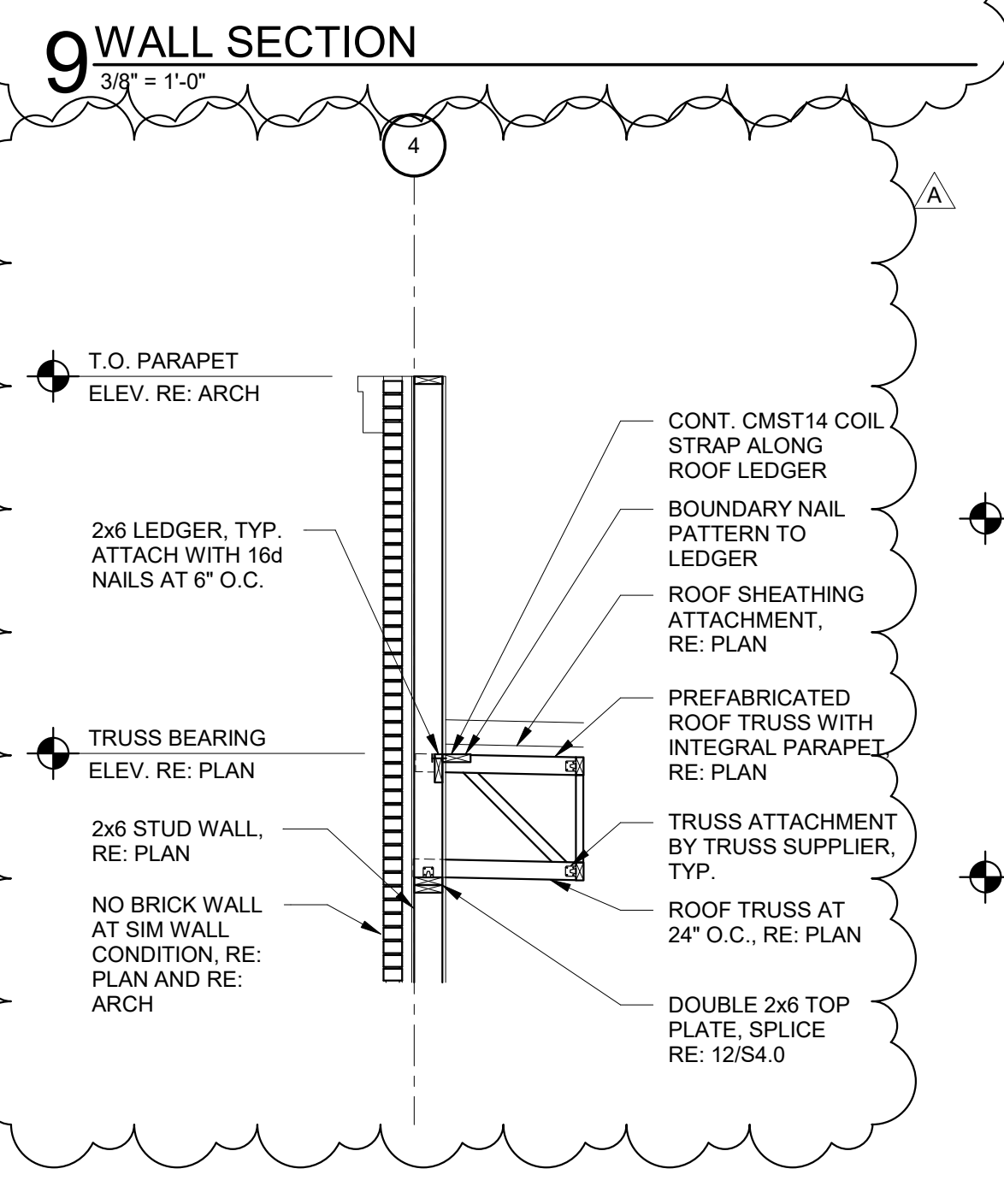
8 WALL SECTION
 3/8" = 1'-0"



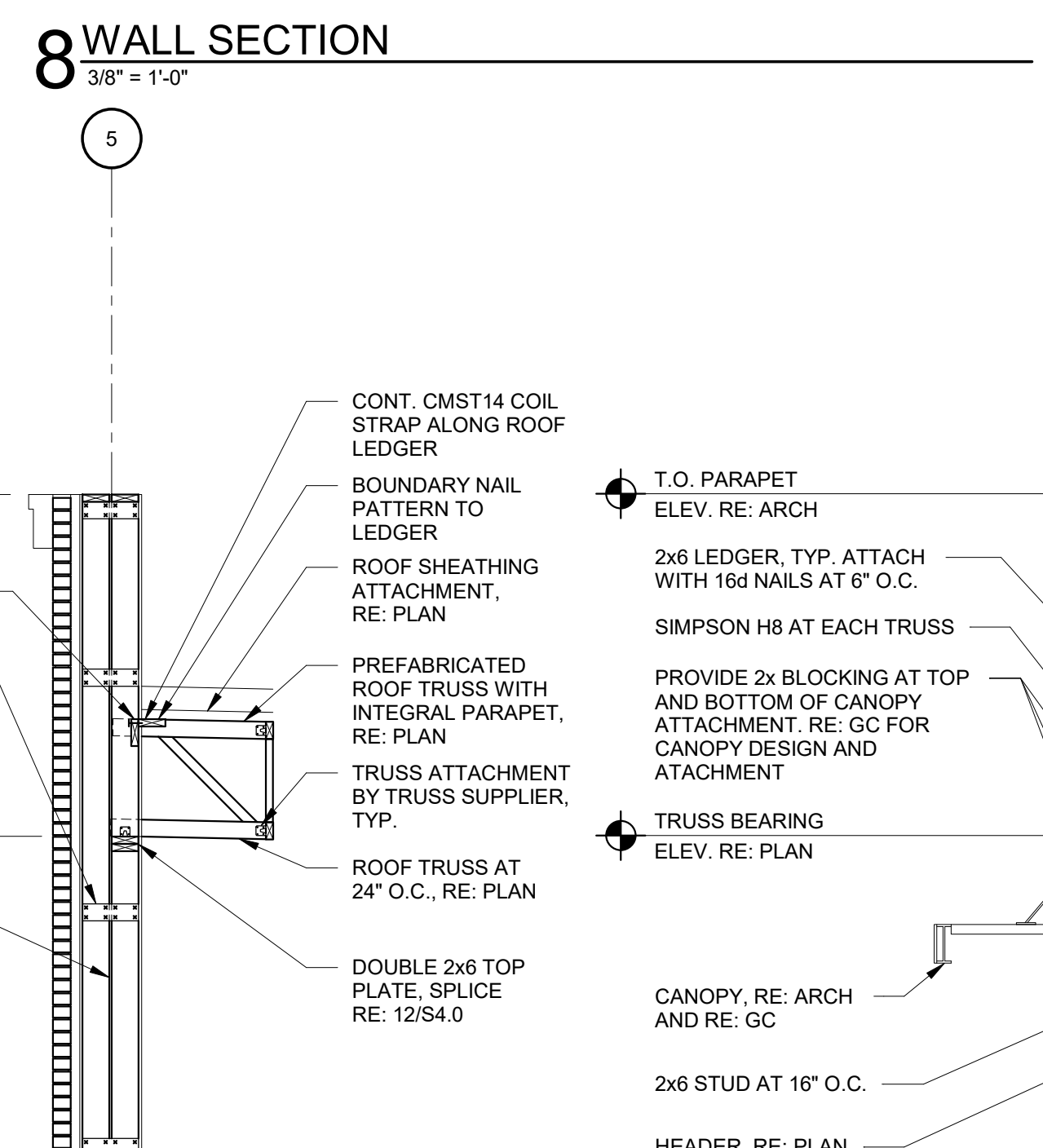
7 WALL SECTION
 3/8" = 1'-0"



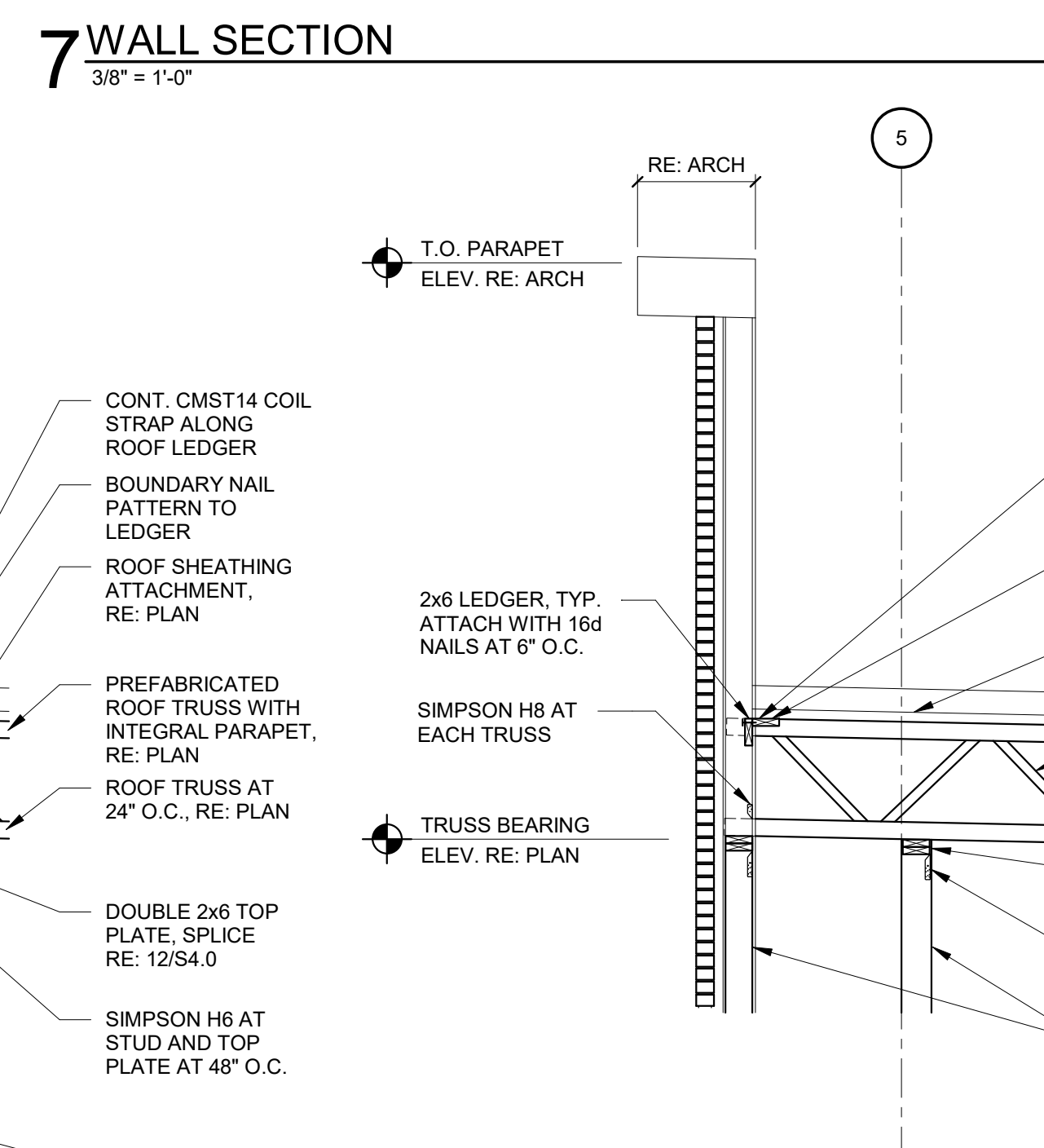
6 WALL SECTION
 3/8" = 1'-0"



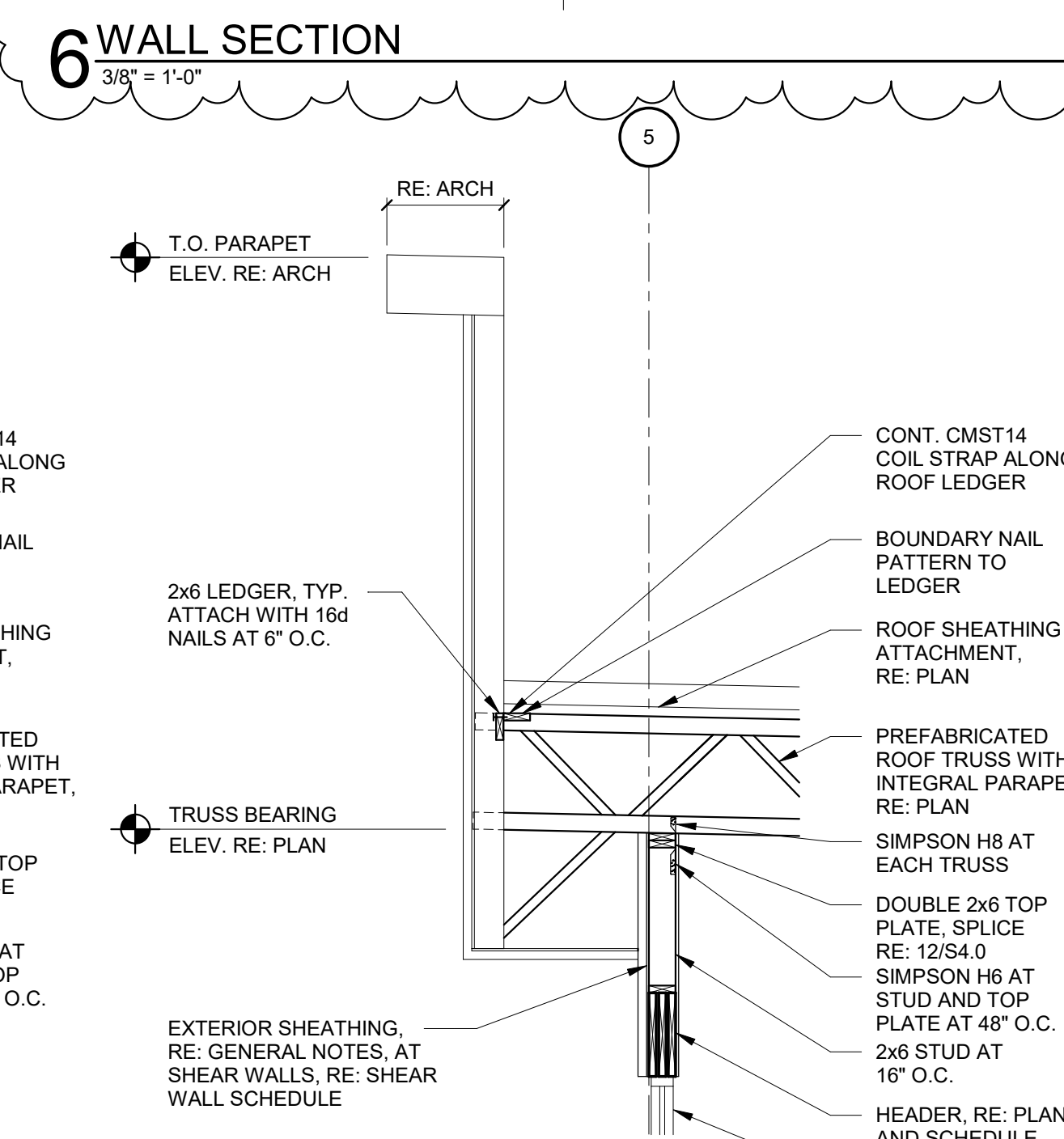
5 WALL SECTION
 3/8" = 1'-0"



4 WALL SECTION
 3/8" = 1'-0"



3 WALL SECTION
 3/8" = 1'-0"



2 WALL SECTION
 3/8" = 1'-0"

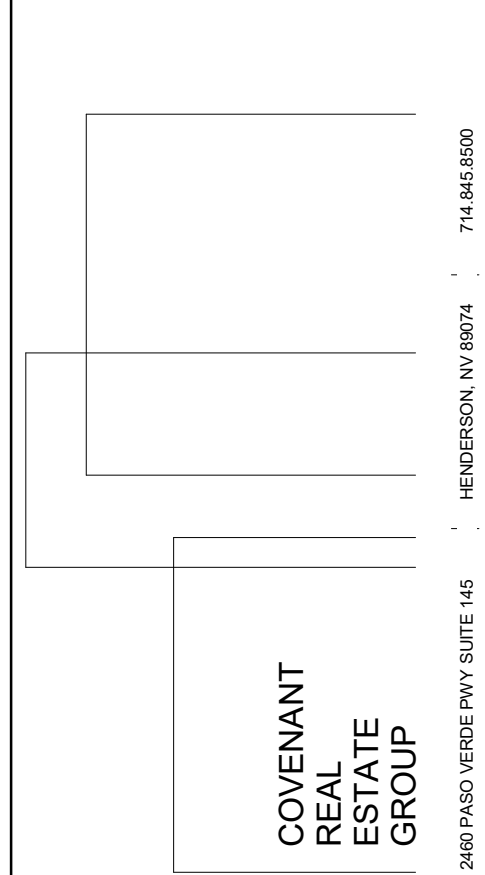
PROJECT INFO

CLIENT: COVENANT GROUP, LLC
 PROJECT: BUILDING SHELL - LEE'S SUMMIT, MO - CHIPMAN RD
 ADDRESS: 400 NW CHIPMAN RD, LEE'S SUMMIT, MO 64066
 PROJECT NO: 287

MAIN CONTACT

CHRISTOPHER CLARK, AIA, NCARB
 7701 E KELLOGG DR, STE 630
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 (316) 302-4472
 chris@clarkitecture.net

DEVELOPER



SHEET INFO

ISSUE DATE : 03/31/2022
 ISSUED FOR PERMIT SET

REVISION SCHEDULE

NO	DATE	DESCRIPTION
A	04/29/2022	MISC CHANGES



FRAMING DETAILS

S4.2

PROJECT INFO

CLIENT:
COVENANT GROUP, LLC

PROJECT:
COVENANT GROUP - BUILDING
SHELL - LEE'S SUMMIT, MO

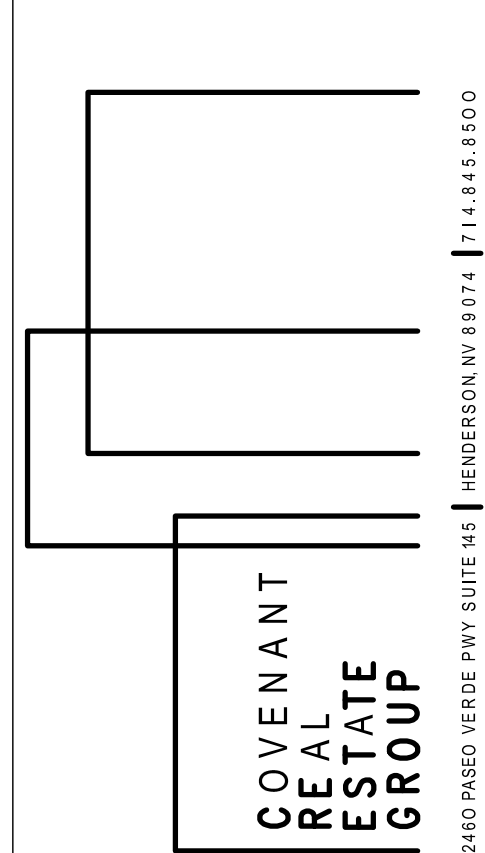
ADDRESS:
400 NW CHIPMAN RD
LEE'S SUMMIT, MO 64806

PROJECT NO: 267

MAIN CONTACT

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7701 E KELLOGG DR, STE 630
WICHITA, KS 67207
(316) 302-4472
chris@clarkitecture.net

DEVELOPER



SHEET INFO

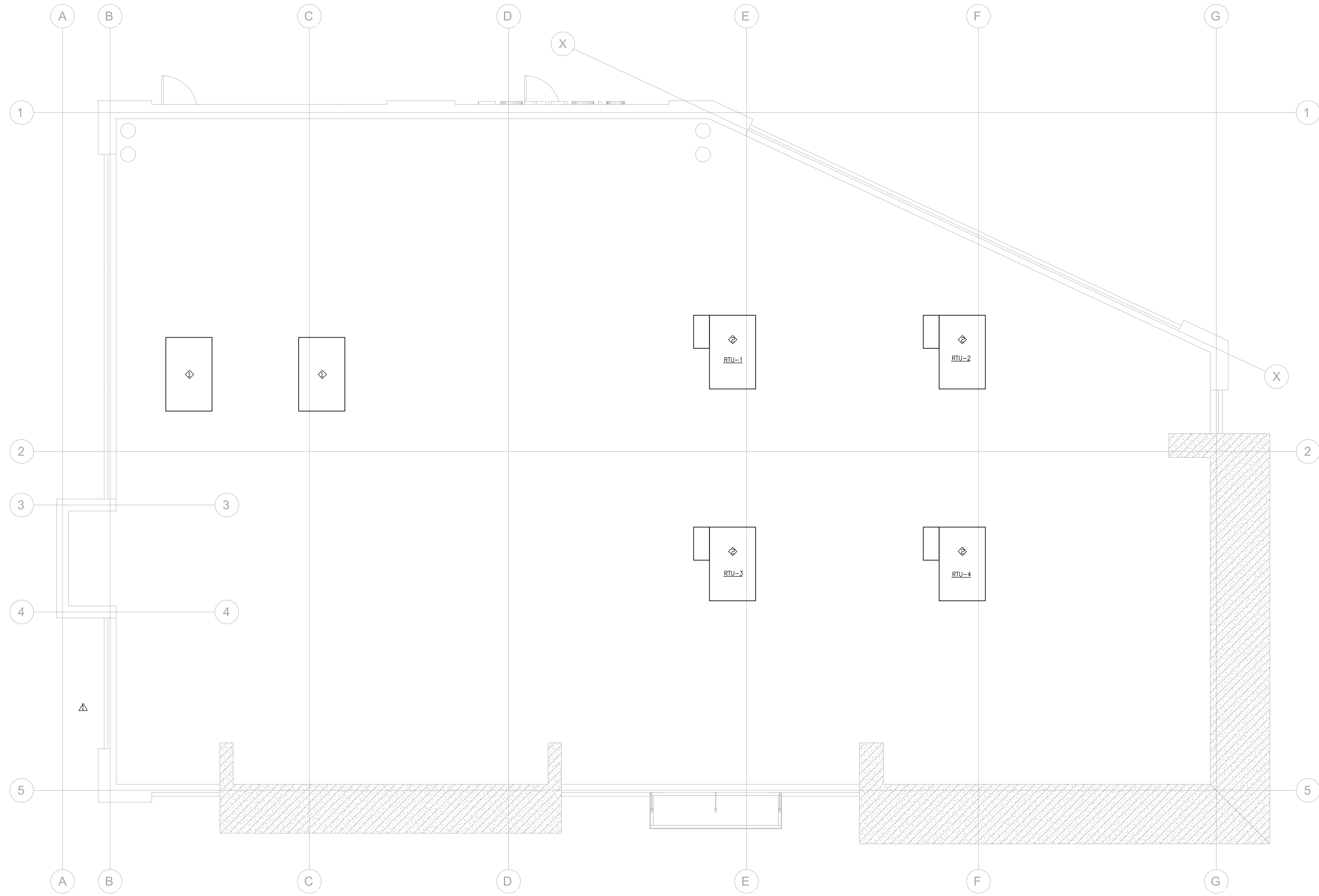
ISSUE DATE: 04/08/22
ISSUED FOR: PERMIT

REVISION SCHEDULE		
NO	DESCRIPTION	DATE

PROFESSIONAL'S SEAL:



HVAC
FLOOR PLAN
M10.1



1 HVAC Floor Plan
1":1/4"

MECHANICAL KEYED NOTES:

- ◇ PROVIDE ONLY ROOF CURB FOR FUTURE HVAC UNIT.
- ◇ COORDINATE THERMOSTAT LOCATIONS AND RELOCATE DURING INTERIOR PHASE.

MECHANICAL GENERAL NOTES:

- 1. PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT PROJECT AND REVIEW EXISTING CONDITIONS. NO ADDITIONAL MONIES WILL BE AWARDED FOR "UNFORESEEN PROJECT CONDITIONS" CONTRACTOR SHALL INCLUDE IN HIS BID ALL MONIES REQUIRED FOR THE EXISTING PROJECT CONDITIONS. CONTRACTOR SHALL INFORM ARCHITECT AT TIME OF BID PROJECT CONDITIONS IN WHICH HE HAS DIFFICULTY IN WORKING AROUND.
2. REFER TO ALL OTHER DRAWINGS IN THIS PROJECT, INCLUDING TO BUT NOT LIMITED TO THE ARCHITECTURAL, INTERIOR DESIGN, LIGHTING DESIGN, AND ELECTRICAL AND PERFORM ALL SCOPE ITEMS IDENTIFIED WITHIN THOSE DRAWINGS AS IF THEY ARE DIRECTLY INCORPORATED INTO THE MECHANICAL SET.
3. FURNISH AND INSTALL ALL NECESSARY LABOR AND MATERIALS FOR A COMPLETE SYSTEM. ANY ITEMS AND MATERIALS OBVIOUSLY NECESSARY FOR A COMPLETE WORKING SYSTEM ALTHOUGH NOT SHOWN WITHIN THESE DOCUMENTS SHALL BE PROVIDED AS PART OF THE INITIAL BID.
4. WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
5. OBTAINING PERMIT, INCLUDING LABOR AND FEES SHALL BE PROVIDED AS PART OF THE INITIAL BID.
6. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT NECESSARILY SHOW FITTINGS AND OTHER SMALL ITEMS REQUIRED FOR A COMPLETE INSTALLATION. INSTALL DUCTWORK, EQUIPMENT AND CONTROLS IN A MANNER TO MINIMIZE NOISE. PROVIDE APPROPRIATE MAINTENANCE CLEARANCE IN THE SPACE ALLOCATED.
7. MATERIALS AND LABOR SHALL BE WARRANTEED FOR ONE YEAR AFTER TAKEOVER.
8. ALL DUCTWORK SHALL BE GALVANIZED AND INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES, LATEST EDITIONS.
9. PRIOR TO ORDERING ANY EQUIPMENT, THIS CONTRACTOR SHALL PROVIDE COORDINATION TO THE ELECTRICAL SUBCONTRACTOR AND STRUCTURAL REQUIREMENTS TO THE GENERAL CONTRACTOR. ANY COSTS DIFFERENCES WILL BE WORKED THROUGH THE GENERAL CONTRACTOR AT THIS TIME. PROVIDE TO THE ELECTRICAL SUBCONTRACTOR THE PHASE, AMPERAGE AND VOLTAGE OR EACH PIECE OF EQUIPMENT PRIOR TO ORDERING.
10. CONTRACTOR SHALL REFER TO THE ELECTRICAL DRAWINGS, LIGHTING DESIGN DRAWINGS AND THE REFLECTED CEILING PLAN (RCP) WHEN INSTALLING THE CEILING DIFFUSERS AND RETURN GRILLS.
11. COORDINATE WITH THE ELECTRICAL SUBCONTRACTOR IN REGARDS TO DISCONNECTS, BREAKERS, POWER WIRING, MOTOR CONTROL DEVICES, MECHANICAL CONTRACTOR SHALL PROVIDE STARTERS, TRANSFORMERS, ETC AND COORDINATE THE INSTALLATION WITH THE ELECTRICAL SUBCONTRACTOR.
12. PROVIDE UL LISTED, HEAVY DUTY FIBERGLAS CONNECTOR AT FAN, AIRHANDLERS, FAN COIL UNITS, ROOFTOP UNITS AND OTHER MECHANICAL EQUIPMENT WHERE THEY CONNECT TO SHEET METAL DUCTWORK. THE FIBERGLAS CONNECTOR SHALL BE INSTALLED WITH APPROPRIATE LENGTH TO ALLOW FOR VIBRATION AND NOISE TRANSMISSION.
13. DUCTWORK SHALL BE GALVANIZED SHEET METAL IN ACCORDANCE WITH SMACNA GUIDELINES.
14. ROUND FLEXIBLE CONNECTORS SHALL BE PROVIDED BETWEEN MAIN DUCT AND DIFFUSERS. PROVIDE THERMAFLEX PRO SERIES, UTILIZE SPIN-IN CONNECTORS WITH SCOOP AND ADJUSTABLE DAMPER FOR AIR CONTROL.
15. FLEXIBLE DUCTWORK SHALL BE INSTALLED FREE OF KINKS AND SHALL BE LIMITED TO 5'-0" IN LENGTH. DIAMETER SHALL BE THE SAME AS THE DIFFUSER NECK.
16. ALL PORTIONS OF DUCTWORK VISIBLE THROUGH DIFFUSER AND RETURN GRILL OPENINGS SHALL BE PAINTED FLAT BLACK. ALL PORTIONS EXPOSED IN AREAS WITHOUT CEILING SHALL BE PAINTED PER THE ARCHITECTURAL DRAWINGS.
17. CONTRACTOR SHALL FIELD VERIFY SPACE REQUIREMENTS FOR DUCTWORK PRIOR TO MANUFACTURING. ADJUSTMENTS TO DUCT SIZES IS ACCEPTABLE AS LONG AS THE FOLLOWING FRICTION FACTORS ARE MAINTAINED:
SUPPLY: 0.08"/100FT
RETURN: 0.06"/100FT.
18. ALL THERMOSTATS UNLESS OTHERWISE NOTED SHALL BE INSTALLED AT 4'-0" AFF. REFER TO INTERIOR DESIGN DRAWINGS FOR ACTUAL LOCATIONS.
19. ALL DUCT DIMENSIONS SHOWN IN THIS SET REFERS TO CLEAR INSIDE DIMENSION. IF DUCTWORK IS LINED, INTERIOR SHEET METAL SIZE SHALL BE INCREASED TO ACCOUNT FOR THE LINEAR THICKNESS.
20. THE OWNER, OPERATOR, ARCHITECTURAL NOR ENGINEER ARE RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS, MEANS AND METHODS, WORK TECHNIQUES, CONSTRUCTION SEQUENCE OR PROCEDURES REQUIRED TO COMPLETE THE WORK.
21. ALL EXTERIOR WALL, AND ROOF PENETRATIONS SHALL BE SEALED WITH WATERPROOFING.
22. ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR BARRIERS SHALL BE SEALED WITH FIREPROOFING.
23. PROVIDE FIRE DAMPERS (FD) IN ALL FIRE RATED WALLS AS IDENTIFIED ON ARCHITECTURAL DRAWINGS. THE RATINGS OF THE FIRE DAMPERS SHALL MEET OR EXCEED THE RATING OF THE WALL IN WHICH IT IS INSTALLED. FIRE DAMPERS SHALL BE UL LISTED AND SHALL BE TYPE B (BLADES OUT OF THE AIR STREAM) OR TYPE C (100% FREE AREA). PROVIDE AND INSTALL DUCT MOUNTED ACCESS PANEL FOR ALL NON-ACCESSIBLE FIRE DAMPERS.
24. ALL ACCESS PANELS REQUIRED FOR EQUIPMENT MAINTENANCE SHALL BE FIELD COORDINATED WITH ARCHITECT. THESE DRAWINGS SHALL APPROXIMATE LOCATIONS, FINAL LOCATIONS SHALL BE COORDINATED IN THE FIELD.
25. AT EACH BRANCH TAKEOFF, PROVIDE MANUAL VOLUME DAMPERS FOR BALANCING. FOR EACH DIFFUSER TAKEOFF, PROVIDE ADJUSTABLE SPIN-IN CONNECTION.
26. PROVIDE DUCT LINER FOR THE FIRST TEN FEET OF SUPPLY AND THE LAST 10 FEET OF RETURN DUCTWORK FROM THE HVAC EQUIPMENT. THE REMAINING DUCTWORK SHALL BE WRAPPED WITH INSULATION. DUCT WRAP SHALL BE FOIL SCRIM KRAFT (FSK) VAPOR RETARDER FACING WITH AN R VALUE OF 6.0.
27. ALL THERMOSTATS SHALL BE 7-DAY PROGRAMMABLE AND HAVE A 4 DEGREE DEADBAND.
28. INSTALL SMOKE DETECTOR IN THE SUPPLY AIR SYSTEM FOR ALL UNITS WITH CAPACITY GREATER THAN 2000 CFM. THE SMOKE DETECTOR SHALL BE INSTALLED DOWNSTREAM OF ANY FILTERS, FAN MOTORS, OUTDOOR AIR CONNECTIONS AND UPSTREAM OF ANY BRANCH CONNECTIONS..
29. ALL MATERIAL INSTALLED WITHIN A RETURN AIR PLENUM SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50.
30. ALL WIRING INSTALLED WITHIN THE PLENUM SHALL BE PLENUM RATED OR INSTALLED WITHIN CONDUIT.
31. ALL EQUIPMENT INSTALLED ABOVE THE CEILING SHALL BE ACCESSIBLE. CONTRACTOR SHALL SUPPLY ACCES PANELS IN CEILING OR WALL AND SHALL COORDINATE WITH ARCHITECT FOR PROPER LOCATION. ACCESS PANELS IN CEILING SHALL BE A MINIMUM OF 24"x24" WITH HINGES. ACCESS PANELS SHALL HAVE SAME FIRE RATING AS CEILING IN WHICH THEY ARE INSTALLED.
32. EACH PIECE OF EQUIPMENT SHALL BE PERMANENTLY LABELED WITH A NAMEPLATE OF SUFFICIENT SIZE TO CLEARLY INDICATE THE EQUIPMENT DESIGNATION IN ACCORDANCE WITH THE DRAWINGS (IE PIU-1, RTU-1, ETC.). NAMEPLATES TO BE BAKED ENAMEL OR ALUMINUM WITH STAMPED LETTERS.
33. EACH DUCT OR PIPE WHICH PENETRATES ANY FIRE OR SMOKE PARTITION SHALL HAVE THE WALL OPENING SEALED WITH HILTI FIRE STOP TO PREVENT THE SPREAD OF SMOKE.
34. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE DISTURBED DURING THE COURSE OF CONSTRUCTION, SHALL BE REPAIRED TO LIKE NEW OR PREVIOUS CONDITION TO THE SATISFACTION OF THE ARCHITECT.
35. RECORD DRAWINGS:
THE CONTRACTOR SHALL MAINTAIN ON A DAILY BASIS AT THE PROJECT SITE A COMPLETE SET OF "RECORD DRAWINGS", REFLECTING AN ACCURATE DIMENSIONAL RECORD OF ALL BURIED OR CONCEALED WORK. THE "RECORD DRAWINGS" SHALL BE MARKED TO SHOW THE PRECISE LOCATION OF CONCEALED WORK, AND EQUIPMENT INCLUDING CONCEALED OR EMBEDDED PIPING AND VALVES AND ALL CHANGES AND DEVIATIONS FROM THE CONTRACT DOCUMENTS. THIS REQUIREMENT SHALL NOT BE CONSTRUED AS AUTHORIZATION FOR THE CONTRACTOR TO MAKE CHANGES WORK WITHOUT APPROVAL FROM THE ARCHITECT.
THE "RECORD DRAWINGS" SHALL BE CLEARLY MARKED WITH "RECORD DRAWINGS" INDICATED IN THE LOWER RIGHT CORNER OF THE DRAWINGS.
36. UPON THE COMPLETION OF THE HVAC SYSTEM INSTALLATION, PROVIDE A COMPLETE TEST AND BALANCE. THE TEST AND BALANCE SHALL MEASURE AIR FLOWS FOR EACH PIECE OF EQUIPMENT, DIFFUSER AND RETURN GRILL. SUBMIT TO ARCHITECT TEST AND BALANCE PLAN THREE DAYS PRIOR TO INTENDED START DATE.

RTU SCHEDULE

Table with columns: MARK, CFM, MIN OA CFM, ESP IN WG, HP, COOLING CAP. TOTAL, COOLING CAP. SEN, MIXED AIR TEMPERATURES, HEATING CAP. INPUT OUTPUT, BASIS OF DESIGN, EER (MIN), WEIGHT (LB), NOTES. Rows include RTU-1, RTU-2, RTU-3, RTU-4.

- COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
1. PROVIDE FACTORY SMOKE DETECTOR IN RETURN AIR PLENUM. PROVIDE REMOTE ANNUNCIATION, RESET, AND TEST SWITCHES FOR DUCT DETECTORS.
2. PROVIDE FACTORY ENTHALPY AIR ECONOMIZER WITH BAROMETRIC RELIEF.
3. PROVIDE FACTORY DISCONNECT AND GFI RECEPT.
4. PROVIDE FACTORY INSULATED ROOF CURB.



COMcheck Software Version 4.1.5.2 Mechanical Compliance Certificate

Section 1: Project Information

Energy Code: 2009 IECC
Project Title:
Project Type: New Construction
Construction Site:
Owner/Agent:
Designer/Contractor:

Section 2: General Information

Building Location (for weather data): Lees Summit, Missouri
Climate Zone: 4a

Section 3: Mechanical Systems List

Quantity System Type & Description
4 HVAC System 1 (Single Zone):
Heating: 1 each - Central Furnace, Gas, Capacity = 72 kBtu/h
Proposed Efficiency = 82.00% Ef, Required Efficiency: 80.00 % Ef (or 78% AFUE)
Cooling: 1 each - Single Package DX Unit, Capacity = 75 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 11.00 EER, Required Efficiency: 11.00 EER
Fan System: FAN SYSTEM 1 -- Compliance (Motor nameplate HP method) : Passes
Fans:
FAN 1 Supply, Constant Volume, 2400 CFM, 1.7 motor nameplate hp

Section 4: Requirements Checklist

- Requirements Specific To: HVAC System 1 :
1. Equipment minimum efficiency: Central Furnace (Gas): 80.00 % Ef (or 78% AFUE)
2. Equipment minimum efficiency: Single Package Unit: 11.00 EER
3. Integrated economizer is required for this location and system.
4. Cooling system provides a means to relieve excess outdoor air during economizer operation.
Generic Requirements: Must be met by all systems to which the requirement is applicable:
1. Plant equipment and system capacity no greater than needed to meet loads
Exception(s):
- Standby equipment automatically off when primary system is operating
- Multiple units controlled to sequence operation as a function of load
2. Minimum one temperature control device per system
3. Minimum one humidity control device per installed humidification/dehumidification system
4. Load calculations per ASHRAE/ACCA Standard 183.
5. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup
Exception(s):
- Continuously operating zones
6. Outside-air source for ventilation; system capable of reducing OSA to required minimum
7. R-5 supply and return air duct insulation in unconditioned spaces
R-8 supply and return air duct insulation outside the building
R-8 insulation between ducts and the building exterior when ducts are part of a building assembly
Exception(s):
- Ducts located within equipment

Project Title:
Data filename: C:\Users\Thomas Blomquist\Synce\Folder\Projects\22 (collision 1)\22-202 Lees Summit\HVAC
COMCHECK.cck
Report date: 03/23/22
Page 1 of 3

- 8. Mechanical fasteners and sealants used to connect ducts and air distribution equipment
9. Ducts sealed - longitudinal seams on rigid ducts; transverse seams on all ducts; UL 181A or 181B tapes and mastics
10. Hot water pipe insulation: 1.5 in. for pipes <=1.5 in. and 2 in. for pipes >1.5 in.
Chilled water/refrigerant/brine pipe insulation: 1.5 in. for pipes <=1.5 in. and 1.5 in. for pipes >1.5 in.
Steam pipe insulation: 1.5 in. for pipes <=1.5 in. and 3 in. for pipes >1.5 in.
Exception(s):
- Piping within HVAC equipment.
- Fluid temperatures between 55 and 105°F.
- Fluid not heated or cooled with renewable energy.
- Piping within room fan-coil (with AHR440 rating) and unit ventilators (with AHR1840 rating).
- Runouts <4 ft in length.
11. Operation and maintenance manual provided to building owner
12. Thermostatic controls have 5°F deadband
Exception(s):
- Thermostats requiring manual changeover between heating and cooling
- Special occupancy or special applications where wide temperature ranges are not acceptable and are approved by the authority having jurisdiction
13. Balancing devices provided in accordance with IMC 603.17
14. Demand control ventilation (DCV) present for high design occupancy areas (>40 person/1000 R2 in spaces >500 R2) and served by systems with any one of 1) an air-side economizer, 2) automatic modulating control of the outdoor air damper, or 3) a design outdoor airflow greater than 3000 cfm.
Exception(s):
- Systems with heat recovery.
- Multiple-zone systems without DDC of individual zones communicating with a central control panel.
- Systems with a design outdoor airflow less than 1200 cfm.
- Spaces where the supply airflow rate minus any makeup or outgoing transfer air requirement is less than 1200 cfm.
15. Motorized, automatic shutoff dampers required on exhaust and outdoor air supply openings
Exception(s):
- Gravity dampers acceptable in buildings <3 stories
16. Automatic controls for freeze protection systems present
17. Exhaust air heat recovery included for systems 5,000 cfm or greater with more than 70% outside air fraction or specifically exempted
Exception(s):
- Hazardous exhaust systems, commercial kitchen and clothes dryer exhaust systems that the International Mechanical Code prohibits the use of energy recovery systems.
- Systems serving spaces that are heated and not cooled to less than 60°F.
- Where more than 60 percent of the outdoor heating energy is provided from site-recovered or site solar energy.
- Heating systems in climates with less than 3600 HDD.
- Cooling systems in climates with a 1 percent cooling design wet-bulb temperature less than 64°F.
- Systems requiring dehumidification that employ energy recovery in series with the cooling coil.
- Laboratory fume hood exhaust systems that have either a variable air volume system capable of reducing exhaust and makeup air volume to 50 percent or less of design values or, a separate make up air supply meeting the following makeup air requirements: a) at least 75 percent of exhaust flow rate, b) heated to no more than 2°F below room setpoint temperature, c) cooled to no lower than 3°F above room setpoint temperature, d) no humidification added, e) no simultaneous heating and cooling.

Section 5: Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2009 IECC requirements in COMcheck Version 4.1.5.2 and to comply with the mandatory requirements in the Requirements Checklist.

Bobby G. Beach - PE
Name - Title
Signature
Date: 03/23/2022

Section 6: Post Construction Compliance Statement

- HVAC record drawings of the actual installation, system capacities, calibration information, and performance data for each equipment provided to the owner.

Project Title:
Data filename: C:\Users\Thomas Blomquist\Synce\Folder\Projects\22 (collision 1)\22-202 Lees Summit\HVAC
COMCHECK.cck
Report date: 03/23/22
Page 2 of 3

- HVAC O&M documents for all mechanical equipment and system provided to the owner by the mechanical contractor.
Written HVAC balancing and operations report provided to the owner.
The above post construction requirements have been completed.

Principal Mechanical Designer-Name Signature Date

PROJECT INFO

CLIENT: COVENANT GROUP, LLC

PROJECT: COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

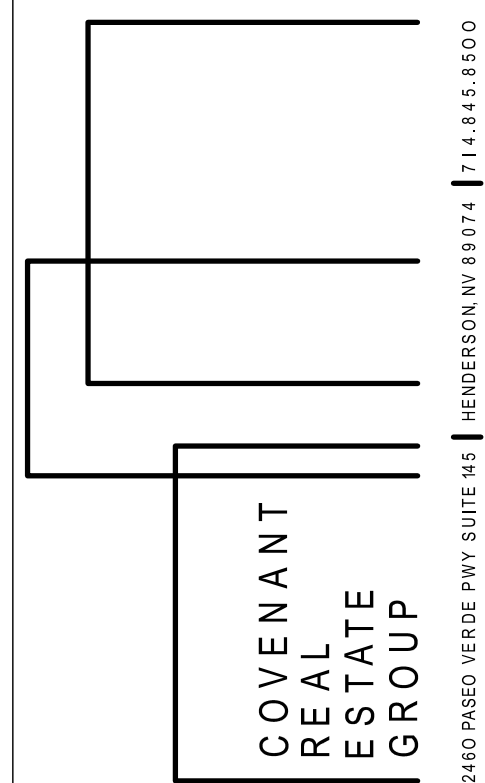
ADDRESS: 400 NW CHIPMAN RD LEE'S SUMMIT, MO 64806

PROJECT NO: 267

MAIN CONTACT

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chris@clarkitecture.net

DEVELOPER

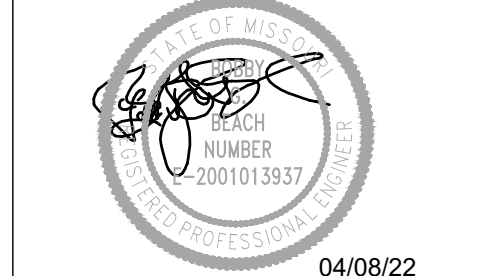


SHEET INFO

ISSUE DATE: 04/08/22
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Table with columns: NO, DESCRIPTION, DATE. Row 1: A, REVISION A, 04/25/22

PROFESSIONAL'S SEAL:



HVAC NOTES AND SCHEDULES

M20.1

PROJECT INFO

CLIENT:
COVENANT GROUP, LLC

PROJECT:
COVENANT GROUP - BUILDING
SHELL - LEE'S SUMMIT, MO

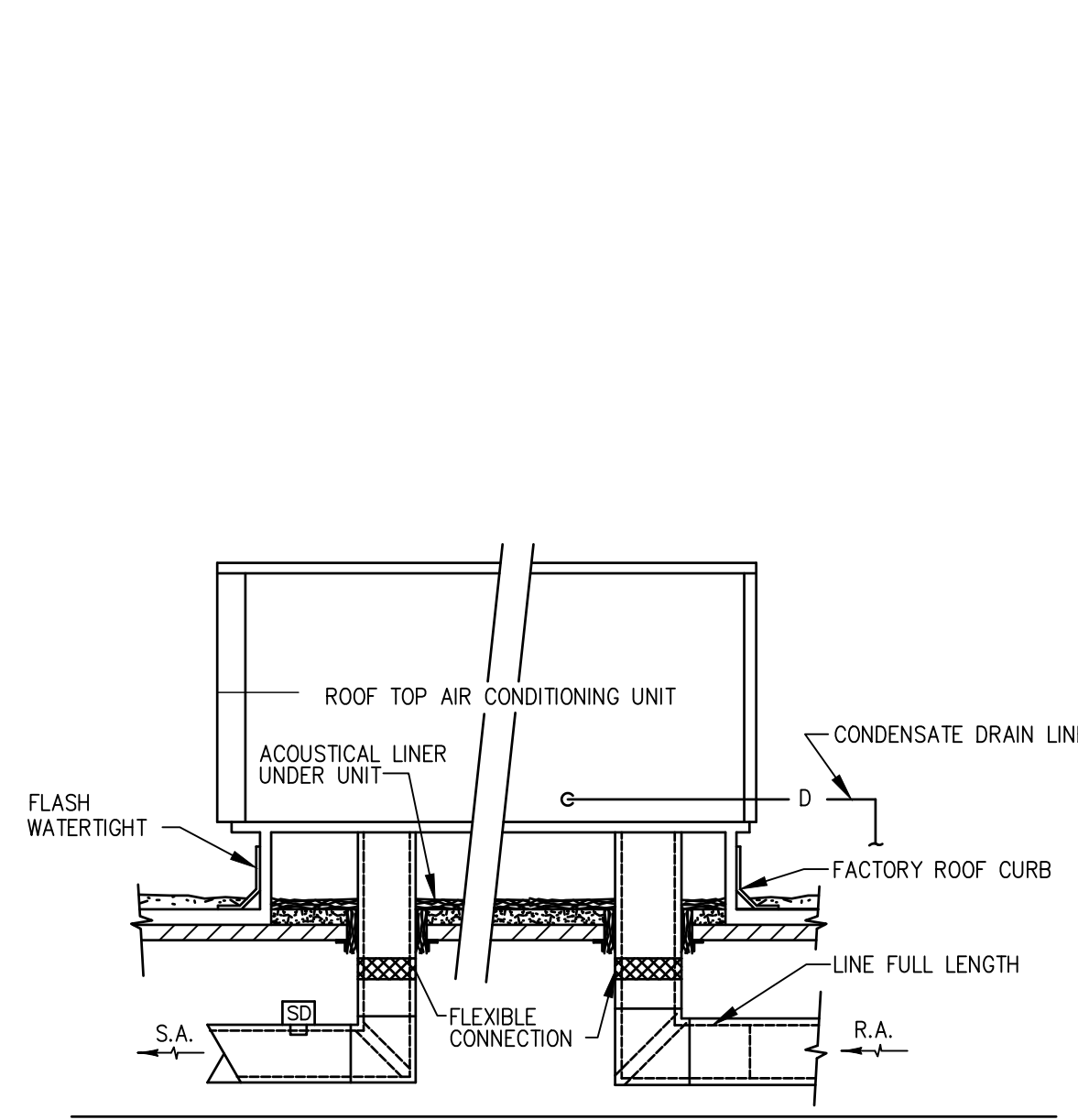
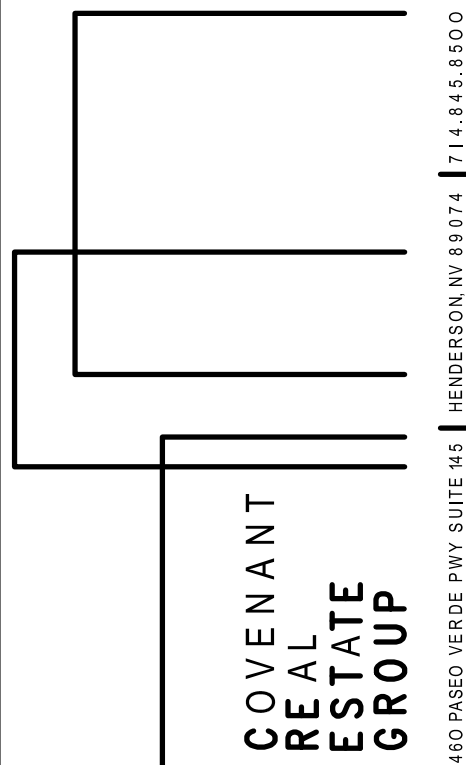
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PROJECT NO: 267

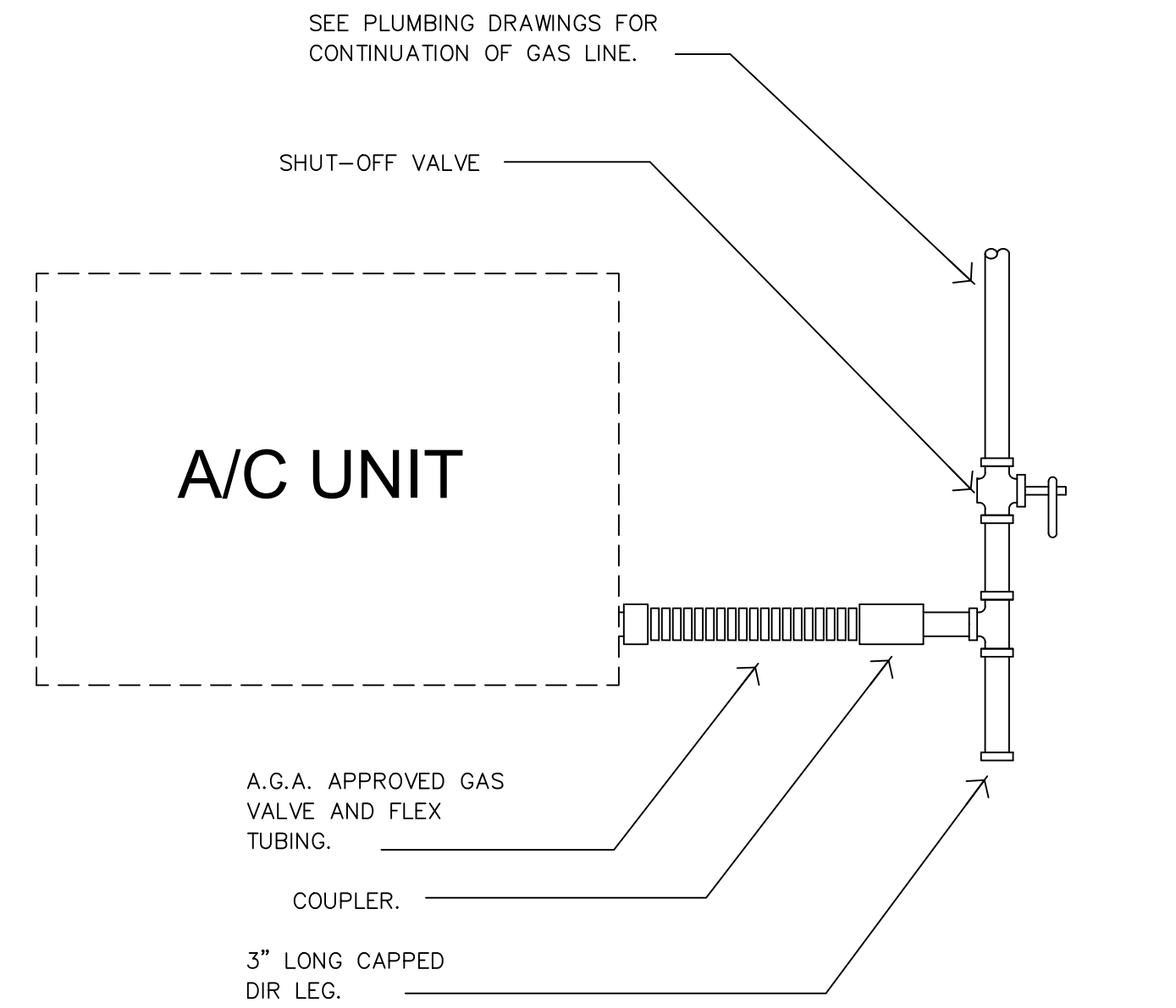
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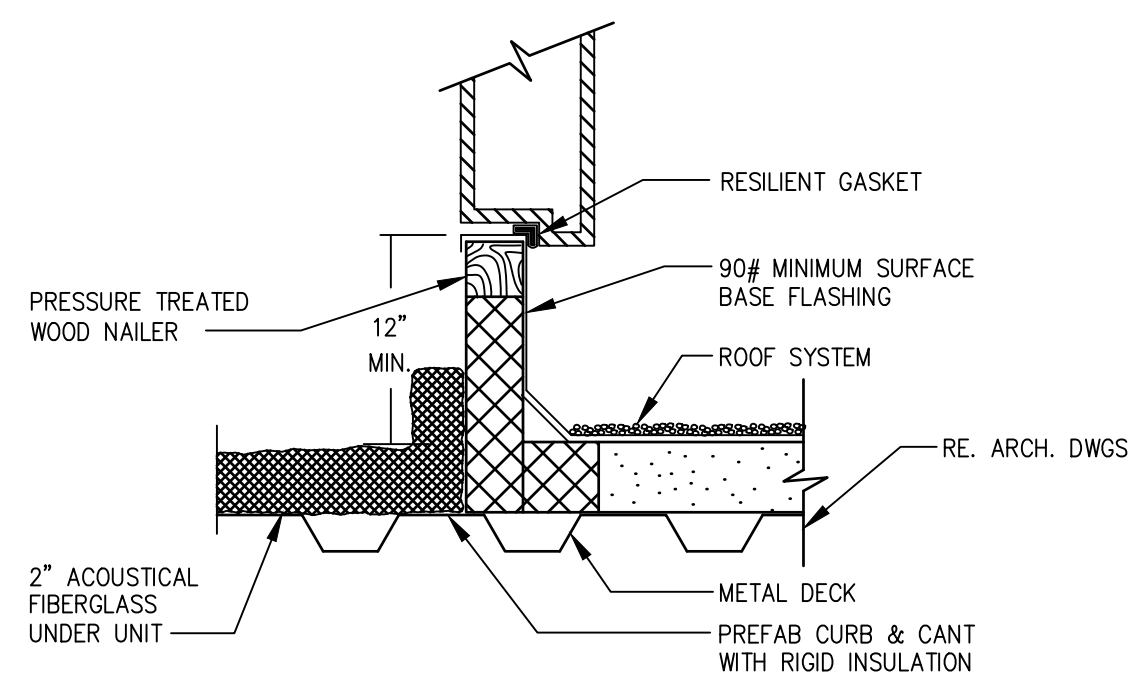
DEVELOPER



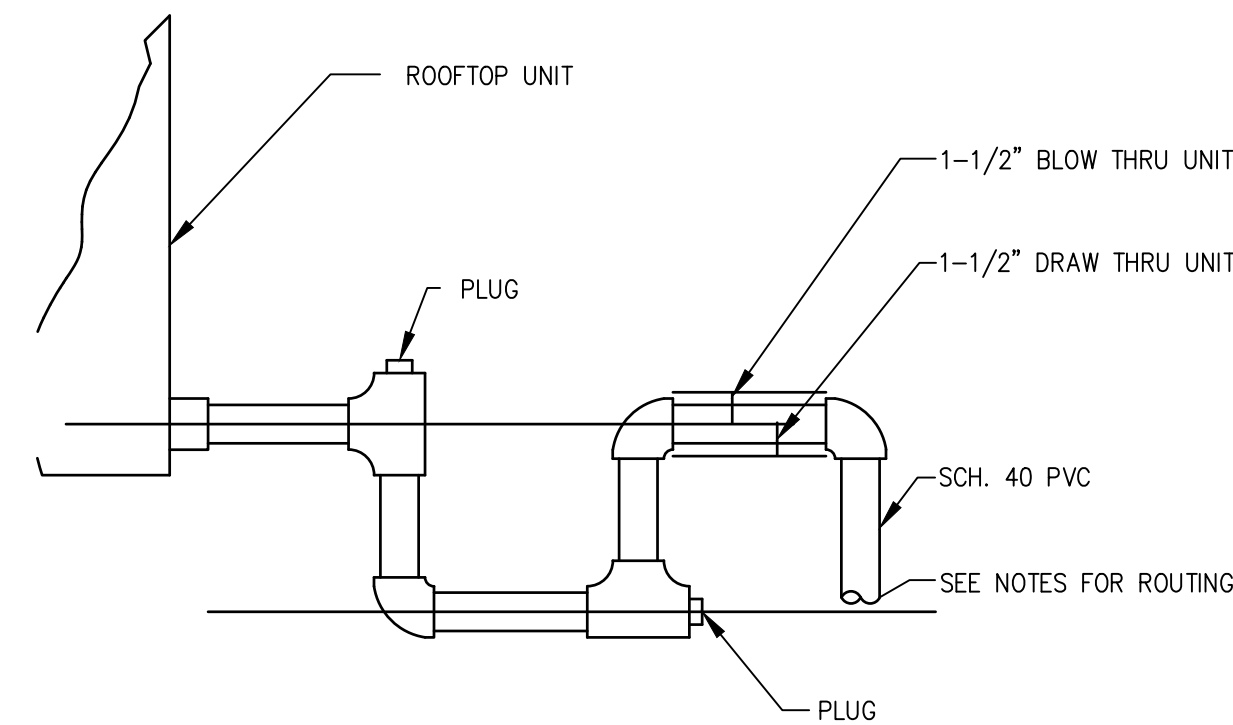
1 Rooftop Unit Detail
Scale: None



2 Gas Connection Detail
Scale: None



3 Rooftop Unit Curb Detail
Scale: None



4 Condensate Trap Detail
Scale: None

SHEET INFO

ISSUE DATE: 04/08/22
ISSUED FOR: PERMIT

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NO	DESCRIPTION	DATE

PROFESSIONAL'S SEAL:

04/08/22

HVAC DETAILS
M20.2

PROJECT INFO

CLIENT:
COVENANT GROUP, LLC

PROJECT:
COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

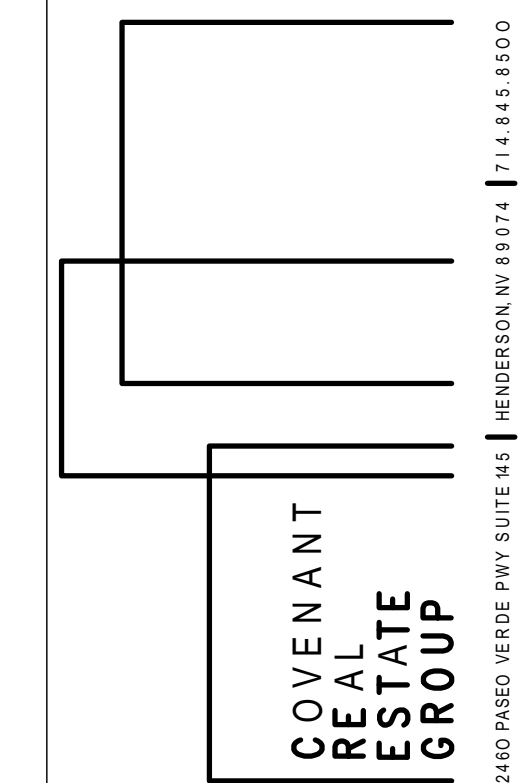
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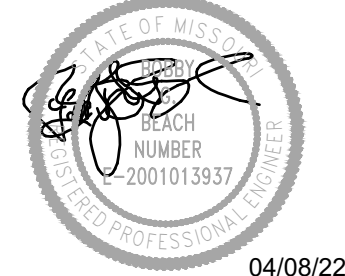


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REVISION SCHEDULE		
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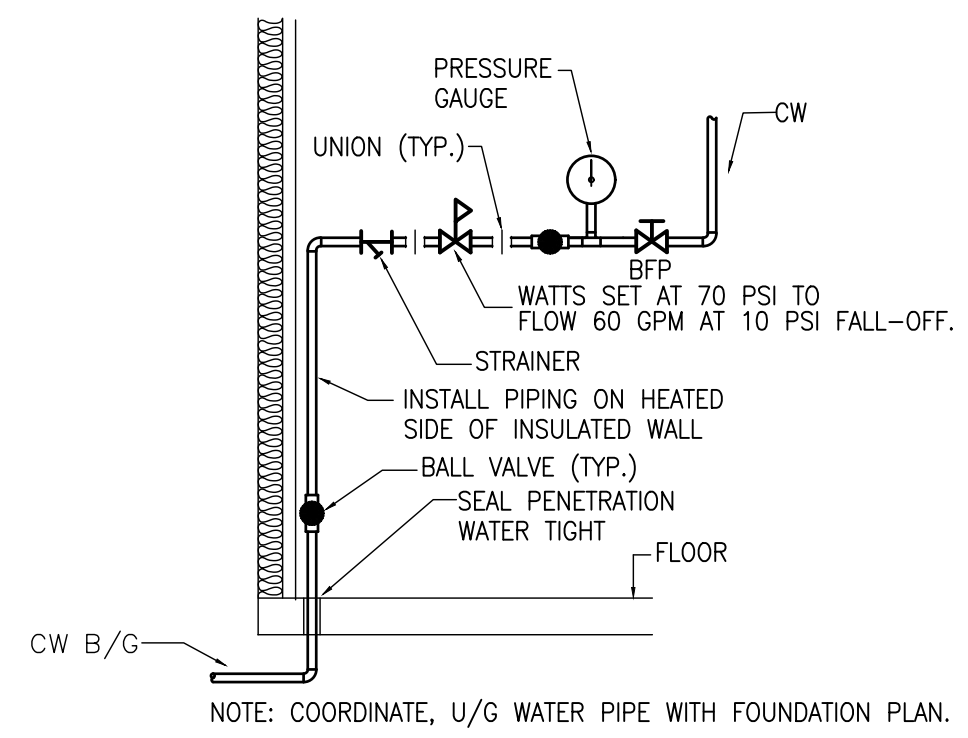
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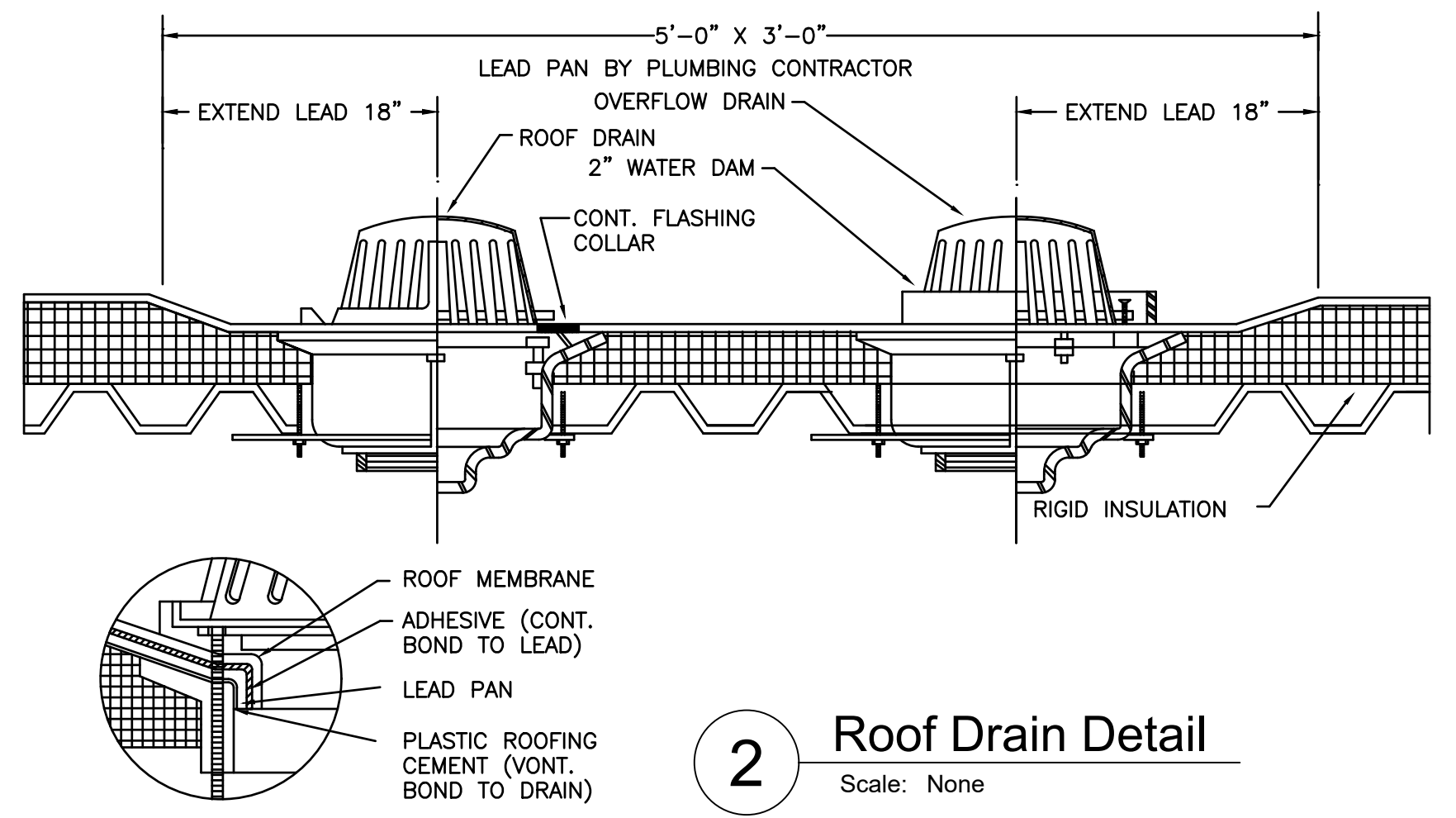
04/08/22

PLUMBING GENERAL NOTES:

1. WORK COVERED BY THESE DOCUMENTS INCLUDES LABOR, MATERIAL, EQUIPMENT, FIXTURES AND SERVICES FOR AND INCIDENTAL TO, THE INSTALLATION OF THE PLUMBING SYSTEMS INDICATED WITHIN THESE CONSTRUCTION DOCUMENTS.
2. PRIOR TO SUBMITTING A BID, THIS CONTRACTOR SHALL VISIT THE PROJECT SITE TO VERIFY FIELD CONDITIONS. PRIOR TO BID, NOTIFY ARCHITECT OF ANY DISCREPANCIES WHICH MAY HINDER THE INSTALLATION OF THE SYSTEM AS INDICATED ON THESE DOCUMENTS.
3. ALL CUTTING AND CORING OF THE EXISTING FLOORS, WALLS, ETC SHALL BE PATCHED AND SEALED TO MATCH THE EXISTING CONDITIONS.
4. ALL WORK SHALL BE PERFORMED TO COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS. THIS CONTRACTOR IS RESPONSIBLE FOR THE LABOR AND COSTS ASSOCIATED WITH OBTAINING CONSTRUCTION PERMITS.
5. EXCEPT WHERE DIMENSIONS ARE SPECIFICALLY SHOWN, THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. THE EQUIPMENT'S ACTUAL SIZE WAS USED IN THE DEVELOPMENT OF THESE DOCUMENTS.
6. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS AND PENETRATION LOCATIONS.
7. THE DOCUMENTS DO NOT SHOW ALL NECESSARY FITTINGS AND OFFSETS FOR A COMPLETE INSTALLATION. ALTHOUGH NOT SHOWN, IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDED ALL NEEDED FOR A COMPLETE AND FUNCTIONING SYSTEM UPON THE COMPLETION OF THE PROJECT.
8. PRIOR TO ORDERING ANY EQUIPMENT, THIS CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL SUBCONTRACTOR AND GENERAL CONTRACTOR. THIS CONTRACTOR SHALL PROVIDE, PHASE, AMPERAGE, AND VOLTAGE OF ALL EQUIPMENT TO THE ELECTRICAL SUBCONTRACTOR AND WEIGHTS AND DIMENSIONS TO THE GENERAL CONTRACTOR. ANY COST ISSUES SHALL BE DETERMINED PRIOR TO ORDERING THE EQUIPMENT.
9. VALVES AND FITTINGS SHALL BE THE SAME SIZE AS THE PIPING IN WHICH THEY ARE INSTALLED.
10. FOR ALL PENETRATIONS THROUGH EXTERIORS WALLS OR ROOF, SEAL WITH WATER PROOFING AND MAKE LEAK TIGHT.
11. FOR ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS AND BARRIERS PROVIDE FIRE STOPPING TO MAINTAIN FIRE RATING.
12. PROVIDE PIPE SUPPORTS AS REQUIRED BY THE LOCAL CODES IN EFFECT AS AS NECESSARY TO PREVENT SWAY.
13. CHANGES IN DIRECTION OF SANITARY PIPING SHALL NOT BE MADE WITH FITTINGS WHICH WILL REDUCE THE FLOW VELOCITY OR CREATE ANY OTHER ADVERSE EFFECT ON THE GRAVITY FLOW OF THE SYSTEM.
14. ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR CHASES AS SHOWN IN THESE DOCUMENTS. PIPING ROUTED IN EXPOSED AREAS SHALL BE HELD TIGHT TO STRUCTURE AND PAINTED TO MATCH THE SURROUNDING STRUCTURE. PIPING IN MECHANICAL SPACES DO NOT REQUIRE PAINTING.
15. PROVIDE ACCESS PANELS FOR ALL VALVES. FIELD COORDINATE ACCESS PANEL LOCATIONS.
16. CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATIONS PRIOR TO INSTALLATION AND AT THE INITIAL SITE VISIT.
17. CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
18. CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO EQUIPMENT USING MANUFACTURER'S CERTIFIED SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED IN AN ACCESSIBLE LOCATION. INSTALL VACUUM BREAKERS WHERE REQUIRED BY LOCAL AUTHORITIES.
19. INTERIOR PIPING SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO WALLS IN A WORKMANLIKE MANNER. PROVIDE OFFSETS AS REQUIRED TO AVOID INTERFERENCES WITH ARCHITECTURAL OR STRUCTURAL COMPONENTS.
20. THE OWNER, OPERATOR, ARCHITECTURAL NOR ENGINEER ARE RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS, MEANS AND METHODS, WORK TECHNIQUES, CONSTRUCTION SEQUENCE OR PROCEDURES REQUIRED TO COMPLETE THE WORK.
21. SANITARY WASTE AND VENT PIPING LOCATED IN FIRE RATED WALL ASSEMBLIES SHALL BE CAST IRON WITH NO-HUB OR BELL AND SPIGOT FITTINGS.
22. ALL FLOOR DRAINS TO HAVE TRAP PRIMER CONNECTIONS.
23. SANITARY: ABOVE AND BELOW GRADE SERVICE WEIGHT CAST IRON, NO-HUB PLAIN END MEETING ASTM A-888 AND CISPI STANDARD 301. ABOVE GRADE SERVICE WEIGHT CAST IRON HUB & SPIGOT ASTM A24-72 OR SCHEDULE 40 PVC DWV PIPE. PVC MAY BE USED IF APPROVED BY LOCAL AUTHORITY HAVING JURISDICTION.
24. FITTINGS AND JOINTS: SERVICE WEIGHT CAST IRON, NO-HUB, PLAIN END MEETING ASTM A-888 AND CISPI STANDARD 301, COUPLINGS SHALL BE STAINLESS STEEL, HEAVY DUTY, NO-HUB. PVC SOCKET TYPE, SOLVENT WELDED PVC PLASTIC.
25. DOMESTIC WATER: ABOVE GRADE DOMESTIC WATER PIPE: TYPE L HARD DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS, SOLDERED JOINTS, LEAD FREE SOLDER. PROVIDE 3/4" THICK FOR COLD WATER AND 1" THICK FOR HOT WATER PIPING. FIBERGLAS OR ARMAFLEX INSULATION. BELOW GRADE DOMESTIC WATER PIPING: TYPE K HARD DRAWN COPPER. NO JOINTS SHALL BE MADE BELOW GRADE.
26. ALL EQUIPMENT, FIXTURES, PIPING, VALVES AND FITTINGS SHALL BE CLEANED OF GREASE, OIL PINT, METAL SHAVINGS AND CONSTRUCTION DEBRIS BEFORE FINAL INSPECTION.
27. VALVES: DOMESTIC WATER: NIBCO, CRANE, OR MILWAUKEE.
28. INSTALLATION: ALL EQUIPMENT AND PRODUCTS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN REQUIREMENTS. PROVIDE ACCESS AND CLEARANCE FOR ALL EQUIPMENT REQUIRING MAINTENANCE.
29. GAS PIPING SHALL BE ROUTED FROM THE GAS METER, THRU EXTERIOR WALL AND UP INTO ROOF STRUCTURE. PIPING SHALL BE ROUTED TO EQUIPMENT TIGHT TO ROOF STRUCTURE.
30. TESTING: TEST SANITARY AND VENT PIPING PRIOR TO THE INSTALLATION OF FIXTURES. HYDROSTATIC TEST SHALL BE PERFORMED WITH PIPE CAPPED AT FIXTURE CONNECTIONS. FILL PIPING WITH WATER AND ALLOW TO STAND FOR ONE HOUR.
31. TEST DOMESTIC WATER PIPING PRIOR TO THE INSTALLATION OF FIXTURES. HYDROSTATIC TEST SHALL BE PERFORMED WITH PIPE CAPPED AT FIXTURE CONNECTIONS. HYDROSTATIC TEST PRESSURE SHALL BE 125 PSI AND HELD FOR ONE HOUR.
32. DOMESTIC WATER PIPING SHALL BE DISINFECTED PRIOR TO BEING BACK INTO SERVICE. DISINFECTION SHALL MEET THE REQUIREMENTS OF AWWA AND THOSE OF THE LOCAL AUTHORITY.
33. ALL PLUMBING FIXTURES SHALL BE HIGH EFFICIENCY.



1 Water Entrance Detail
Scale: None



2 Roof Drain Detail
Scale: None

PROJECT INFO

CLIENT:
COVENANT GROUP, LLC

PROJECT:
COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

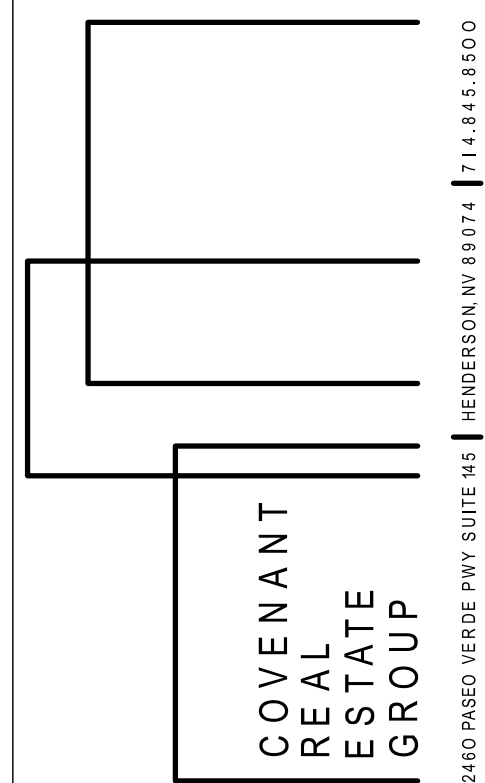
ADDRESS:
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LEE'S SUMMIT, MO 64806

PROJECT NO: 267

MAIN CONTACT

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DEVELOPER



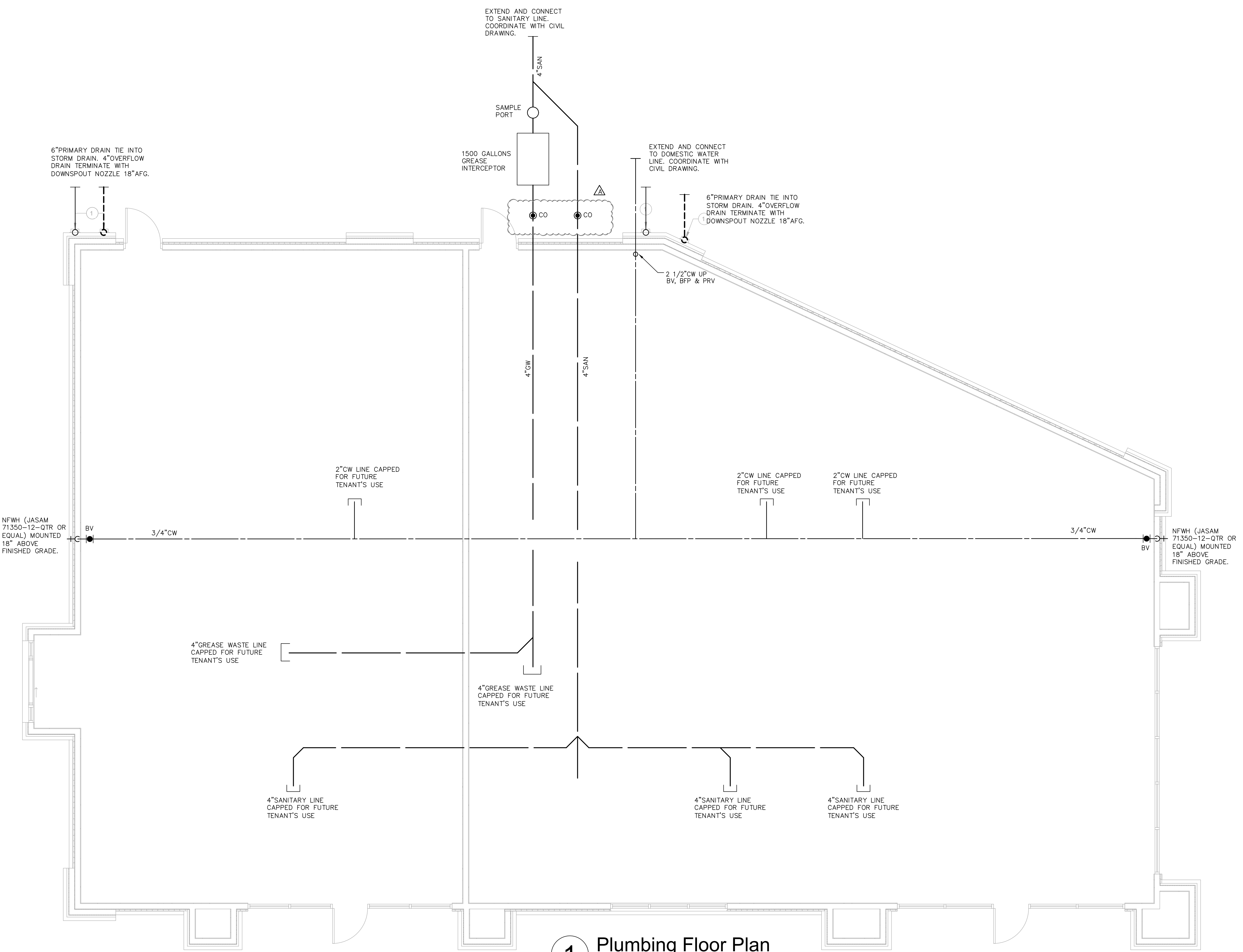
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REVISION SCHEDULE		
NO	DESCRIPTION	DATE
A	REVISION A	04/25/22

PROFESSIONAL'S SEAL:

PLUMBING FLOOR PLAN
P1.01



1 Plumbing Floor Plan
Scale: 1/4"=1'0"

PROJECT INFO

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COVENANT GROUP, LLC

PROJECT:
COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

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2440 PASSED VERDE PKY SUITE 145 | HENRISON, MO 64074 | 714.844.8900

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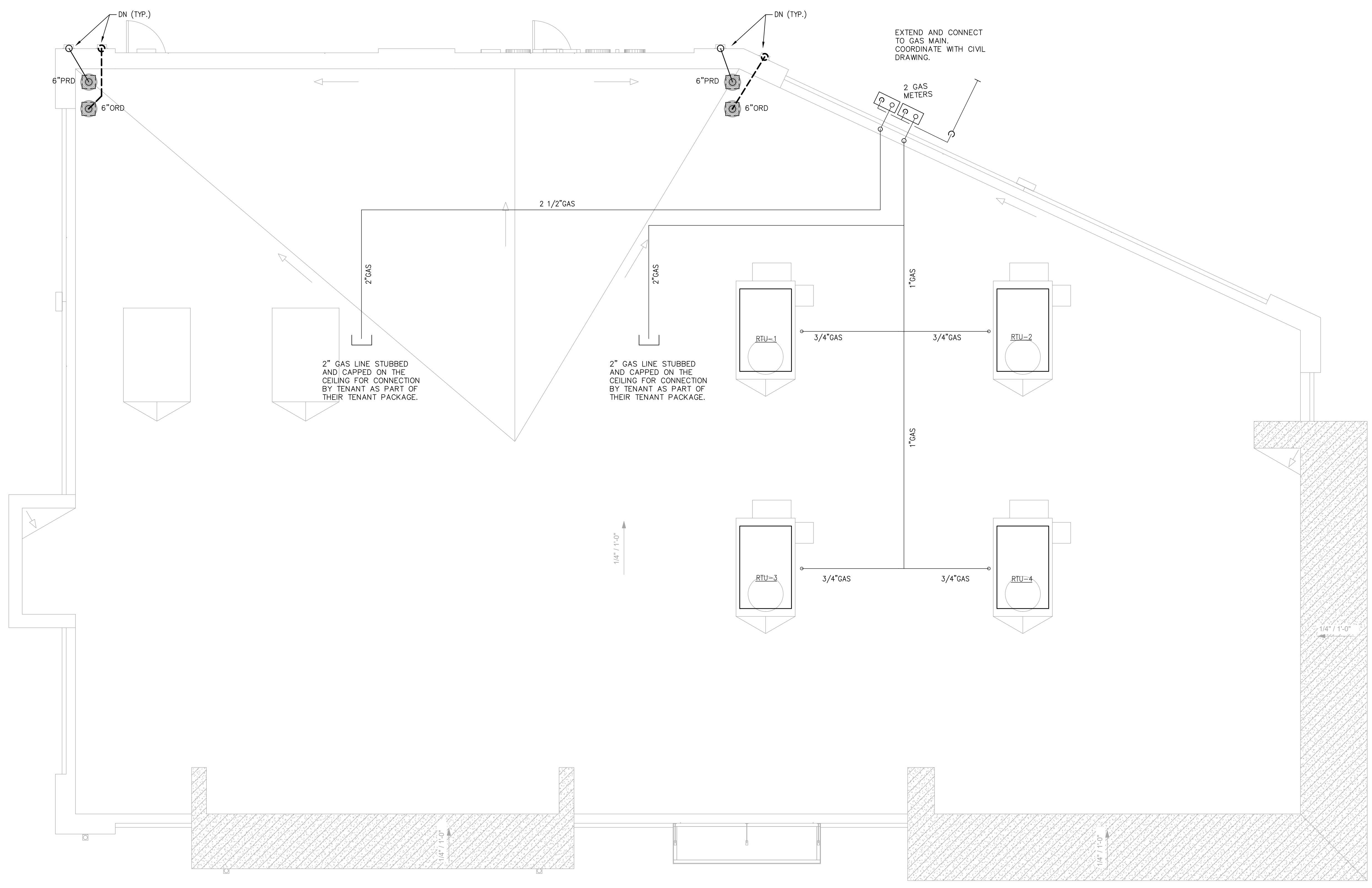
REVISION SCHEDULE		
NO	DESCRIPTION	DATE

PROFESSIONAL'S SEAL:



PLUMBING
ROOF PLAN

P2.01



1 Plumbing Roof Plan
Scale: 1/4"=1'0"

PROJECT INFO

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COVENANT GROUP, LLC

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COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

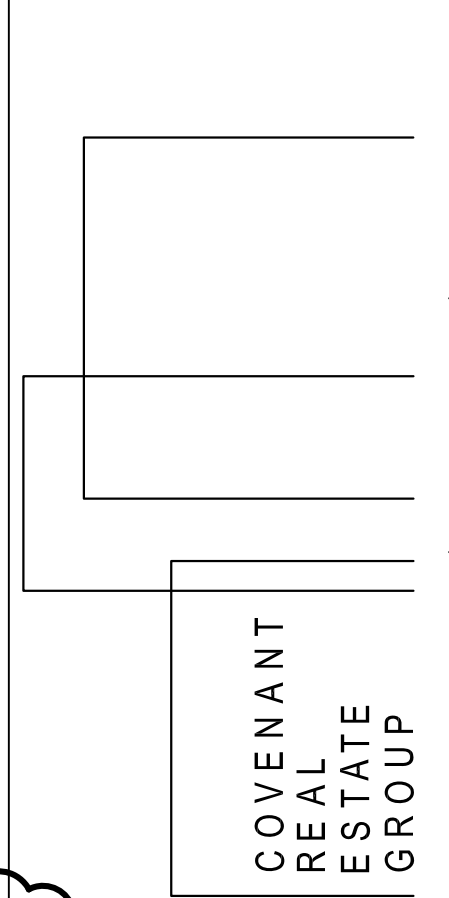
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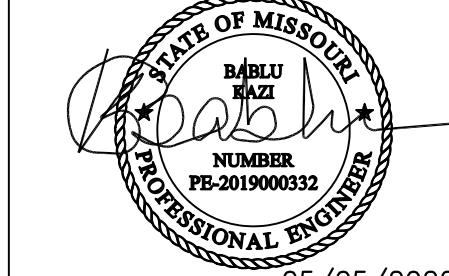


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ISSUE DATE: 04/06/22
ISSUED FOR: PERMIT

REVISION SCHEDULE		
NO	DESCRIPTION	DATE
A	CITY COMMENTS	05/05/22

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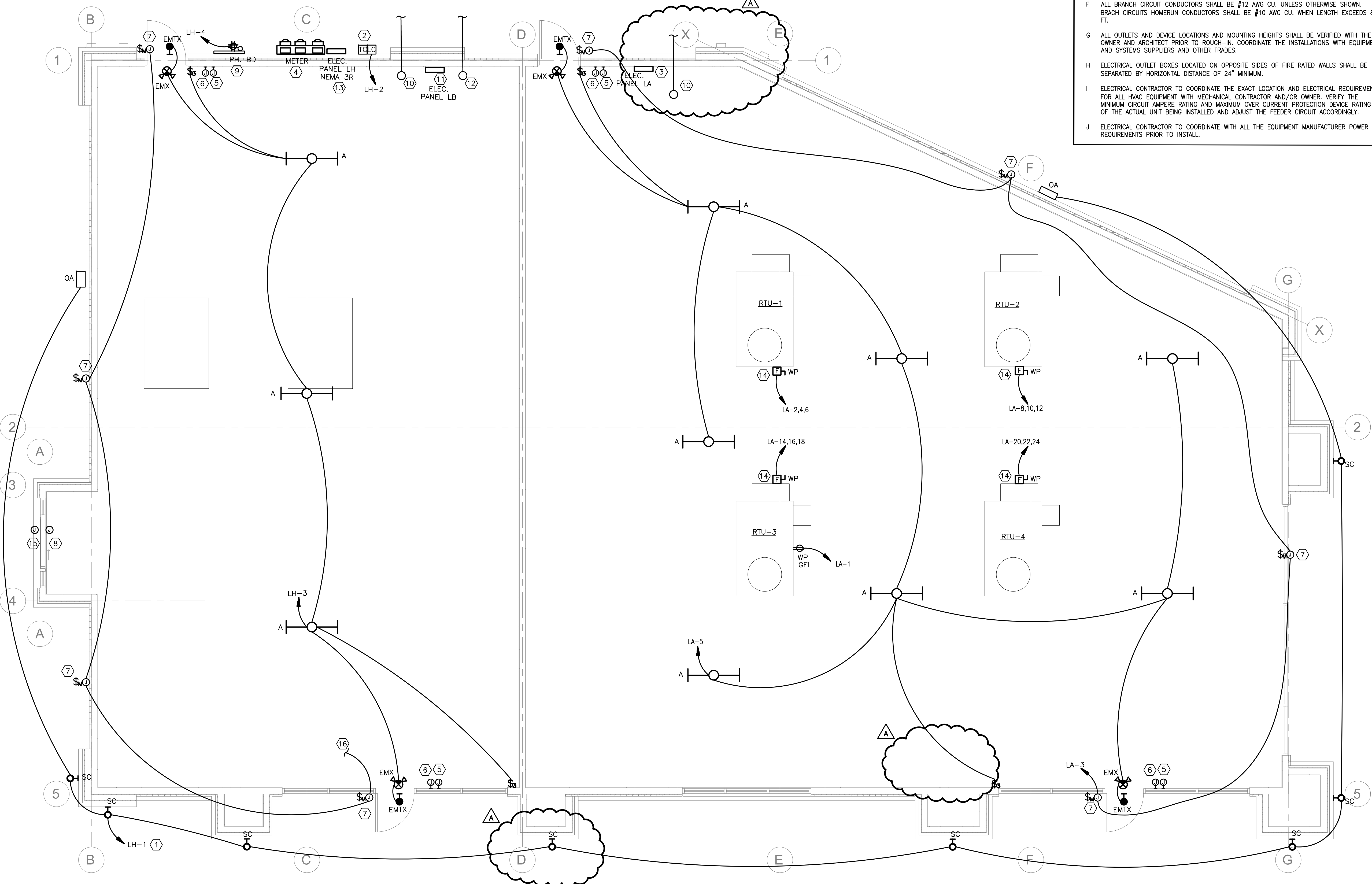


ELECTRICAL FLOOR PLAN - LIGHTING

- POWER GENERAL NOTES:**
- A THE ELECTRICAL CONTRACTOR SHALL REFER TO THE CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL AND PLUMBING DRAWING FOR THE EXACT BUILDINGS AND ROOMS LAYOUTS. ALL DIMENSIONS, SECTIONS, DETAILS, ELEVATIONS, VOLTAGE REQUIREMENTS AND PHYSICAL SIZE OF ALL EQUIPMENT FURNISHED BY OTHER TRADES. COORDINATE AND ADJUST ALL ELECTRICAL INSTALLATIONS ACCORDINGLY.
 - B ELECTRICAL CONTRACTOR SHALL COORDINATE FULLY WITH OTHER CONTRACTORS ASSOCIATED WITH THIS PROJECT TO VERIFY ALL EQUIPMENT LOCATIONS, CONNECTION REQUIREMENTS, ELEVATIONS AND LOCATIONS OF PIPES, CONDUITS AND DUCTS TO PREVENT CONFLICTS DURING CONSTRUCTION. ANY RELOCATION OR ROUTING OF EQUIPMENT, PIPES, CONDUITS, DUCTS OR MATERIALS RESULTING FROM A LACK OF COORDINATION BETWEEN CONTRACTORS WILL BE AT THE CONTRACTORS EXPENSE.
 - C ALL PENETRATIONS THRU FIRE RATED WALLS AND CEILINGS SHALL BE SEALED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 300-21.
 - D TELEPHONE/COMPUTER OUTLET MOUNT DOUBLE GANG BOX WITH SINGLE PLASTER RING 18" ABOVE FINISHED FLOOR (UNLESS NOTED OTHERWISE, STUB-UP 3/4" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING SPACE.
 - E INSTALL A FULL SIZE NEUTRAL FOR EACH CIRCUIT, GROUP, HOME RUN CIRCUITS PER NEC 310, TABLE 310.15 (B) (2) a
 - F ALL BRANCH CIRCUIT CONDUCTORS SHALL BE #12 AWG CU, UNLESS OTHERWISE SHOWN. BRANCH CIRCUITS HOMERUN CONDUCTORS SHALL BE #10 AWG CU, WHEN LENGTH EXCEEDS 80 FT.
 - G ALL OUTLETS AND DEVICE LOCATIONS AND MOUNTING HEIGHTS SHALL BE VERIFIED WITH THE OWNER AND ARCHITECT PRIOR TO ROUGH-IN. COORDINATE THE INSTALLATIONS WITH EQUIPMENT AND SYSTEMS SUPPLIERS AND OTHER TRADES.
 - H ELECTRICAL OUTLET BOXES LOCATED ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE SEPARATED BY HORIZONTAL DISTANCE OF 24" MINIMUM.
 - I ELECTRICAL CONTRACTOR TO COORDINATE THE EXACT LOCATION AND ELECTRICAL REQUIREMENT FOR ALL HVAC EQUIPMENT WITH MECHANICAL CONTRACTOR AND/OR OWNER. VERIFY THE MINIMUM CIRCUIT AMPERE RATINGS AND MAXIMUM OVER CURRENT PROTECTION DEVICE RATING OF THE ACTUAL UNIT BEING INSTALLED AND ADJUST THE FEEDER CIRCUIT ACCORDINGLY.
 - J ELECTRICAL CONTRACTOR TO COORDINATE WITH ALL THE EQUIPMENT MANUFACTURER POWER REQUIREMENTS PRIOR TO INSTALL.

- LIGHTING GENERAL NOTES:**
- A THE ELECTRICAL CONTRACTOR SHALL REFER TO CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL AND PLUMBING DRAWING FOR THE EXACT BUILDING AND ROOM LAYOUTS. ALL DIMENSIONS, SECTIONS, DETAILS, AND ELEVATIONS, LIGHTING AND VOLTAGE REQUIREMENTS AND PHYSICAL SIZE OF ALL EQUIPMENT FURNISHED BY OTHER TRADES. COORDINATE AND ADJUST ELECTRICAL INSTALLATION ACCORDINGLY.
 - B REFER TO DRAWING E-1 FOR LIGHTING FIXTURE SCHEDULE.
 - C UPPER CASE ALPHA CHARACTER INSIDE/ADJACENT TO LIGHT FIXTURE INDICATES LUMINAIRE TYPE.
 - D CONNECT ALL EMERGENCY BALLAST AND EXIT LIGHTS TO UNSWITCHED "HOT-LEG" OF RESPECTIVE LIGHTING CIRCUIT.
 - E ALL PENETRATION THRU FIRE RATED WALL AND CEILING SHALL BE SEALED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE ARTICLE 300-21.
 - F INSTALL A FULL SIZE NEUTRAL FOR EACH CIRCUIT GROUP.
 - G HOMERUN CONDUCTOR SHALL BE #10 AWG CU, WHEN LENGTH EXCEEDS 80 FT.
 - H COORDINATE WITH OWNER FOR APPROVAL OF LIGHTING FIXTURE PRIOR TO INSTALL.
 - I REFER TO ARCHITECTURAL ELEVATION DRAWINGS FOR EXTERIOR LIGHTS MOUNTING HEIGHT AND LOCATION.

- KEY NOTES:**
- (1) ALL EXTERIOR LIGHT FIXTURES TO BE ROUTED THRU LIGHTING CONTACTOR CONTROL BY PHOTOELECTRIC CELL AND TIME CLOCK.
 - (2) LIGHTING CONTACTOR AND TIME CLOCK.
 - (3) PANEL LOCATION FOR MO OFFICE. COORDINATE WITH TENANTS PRIOR TO INSTALL.
 - (4) SERVICE ENTRANCES ELECTRICAL WIREWAY, DISCONNECT AND UTILITY METER. CONTRACTOR TO FIELD ADJUSTED AS NECESSARY.
 - (5) PROVIDE J-BOX FOR FUTURE PULL STATION AND PROVIDE 3" CONDUIT WITH PULL STRING TO FIRE RISER ROOM FROM EACH FUTURE TENANT SPACE.
 - (6) PROVIDE J-BOX FOR FUTURE HORN/STROBE AND PROVIDE 3" CONDUIT WITH PULL STRING TO FIRE RISER ROOM FROM EACH FUTURE TENANT SPACE.
 - (7) J-BOX FOR FUTURE TENANT SIGNAGE POWER.
 - (8) J-BOX FOR DRIVE-THRU MENU BOARD POWER. COORDINATE IN FIELD WITH OWNER FOR LOCATION AND MOUNTING HEIGHT.
 - (9) TEL/DATA BACKBOARD. PROVIDE 4" CONDUIT WITH PULL STRING TO TELCO COMPANY DEMARCATION POINT. FIELD COORDINATE DEMARCATION LOCATION.
 - (10) 2" CONDUIT STUB UP WITH PULL STRING FROM PHONE BD/DMARK TO EACH TENANT SUITE.
 - (11) FUTURE TENANT PANEL LOCATION. PROVIDE 2" CONDUIT WITH PULL STRING FROM WIREWAY/METER SECTION TO HERE.
 - (12) PROVIDE 3" CONDUIT WITH PULL STRING AND STUB UP THRU THE WALL FOR FUTURE TENANT PANEL CONNECTION.
 - (13) HOUSE PANEL.
 - (14) SUPPLY AND INSTALL FUSIBLE DISCONNECT SWITCH. REFER TO MECHANICAL EQUIPMENT MANUFACTURER SHOP DRAWING FOR EXACT DISCONNECT SIZE, VOLTAGE, PHASE AND TYPE. ADJUST DISCONNECT SIZE AND TYPE ACCORDINGLY. DISCONNECT SHALL BE FUSED AS PER MANUFACTURER REQUIREMENTS.
 - (15) J-BOX FOR DRIVE-THRU CANOPY LIGHTS. COORDINATE IN FIELD WITH OWNER FOR LOCATION AND MOUNTING HEIGHT.
 - (16) PROVIDE 3" CONDUIT WITH PULL STRING AND STUB UP THRU THE WALL FOR FUTURE TENANT PANEL CONNECTION.



1 ELECTRICAL FLOOR PLAN
E-3 SCALE: 1/4" = 1'-0"
0 2' 4' 6'

PROJECT INFO

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PROJECT:
COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

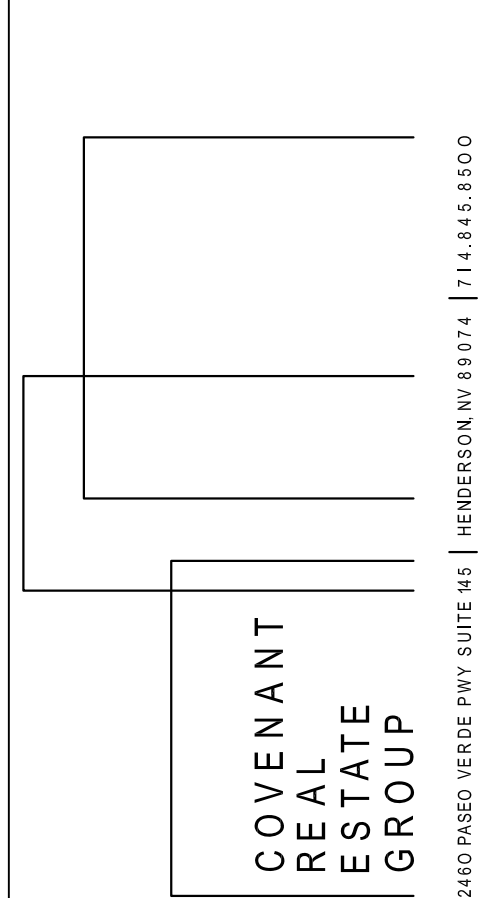
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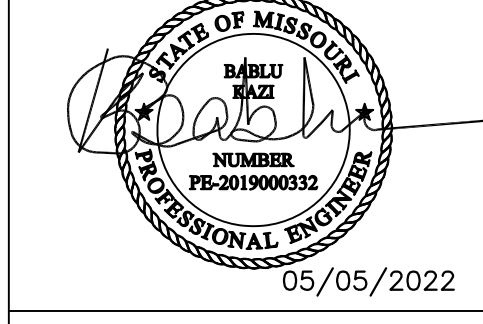
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A	CITY COMMENTS	05/05/22

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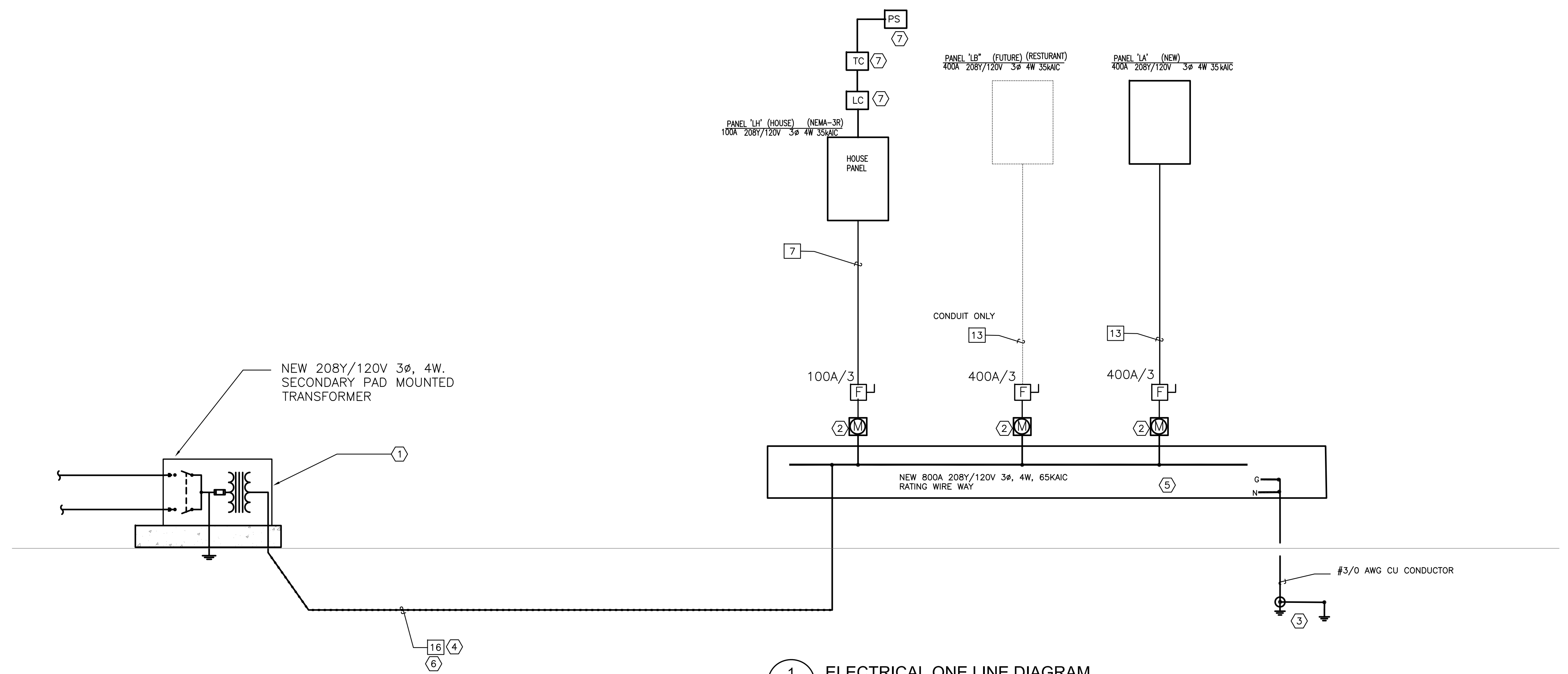
ELECTRICAL ONE LINE DIAGRAM

DRAWING NOTES:

- REFER TO PANEL SCHEDULE FOR BRANCH CIRCUIT FEEDER SIZES.

KEY NOTES:

- NEW UTILITY TRANSFORMER PAD MOUNTED. COORDINATE WITH UTILITY COMPANY FOR LOCATION, SERVICE TAP, AND ADDITIONAL REQUIREMENTS.
- UTILITY METER. CONTRACTOR TO FIELD COORDINATE FOR MOUNTING LOCATION. COORDINATE WITH UTILITY COMPANY FOR MEETING REQUIREMENTS.
- PROVIDE (2) 5/8" X 10'-0" LONG COOPER CLAD GROUND ROD SPACED 10 FEET CENTER. BOND WITH 3/0 COPPER CONDUCTOR WITH EXOTHERMIC WELD. REFER TO DETAIL "2/E-4" FOR SERVICE ENTRANCE DETAIL AND GROUND ROD DETAIL.
- SUPPLY AND INSTALL NEW UNDERGROUND SERVICE LATERAL. FIELD EXACT COORDINATE CONDUIT ROUTING. SUPPLY AND INSTALL FEEDER 24" BFG DIRECT BURIED AND PROVIDE RMC AFG AND RNC UNDERGROUND. CONTRACTOR TO ARRANGE AND PAY FOR UNDERGROUND UTILITY LOCATION SURVEYS FOR ALL TRENCHING. INSTALL 6" WIDE METALLIC LINED RED PLASTIC MARKER TAPE 8" ABOVE ALL BURIED CONDUIT.
- PROVIDE NEMA 3R WIREWAY AND SIZE WIREWAY AS PER NEC.
- PROVIDE ALUMINUM CONDUCTOR ONLY FOR SERVICE LATERAL.
- SUPPLY AND INSTALLED LIGHTING CONTRACTOR. LIGHTING CONTACTOR TO BE CONTROLLED BY TIME CLOCK AND PHOTOCCELL. FIELD COORDINATE FOR PHOTOCCELL LOCATION.
- SUPPLY AND INSTALLED CONDUIT ONLY WITH PULL STRING.



1 ELECTRICAL ONE LINE DIAGRAM
SCALE: N.T.S.

CONDUIT AND WIRE DESIGNATION SCHEDULE				
(NOTE: ALL CONDUIT AND WIRE DESIGNATION SHOWN MAY NOT APPEAR ON DRAWING AND ARE USED AS APPLICABLE TO THIS PROJECT)				
WIRE/BKR MAX AMPS	DESIG.	# OF SETS	DESCRIPTION	REMARKS
30	1	1	3#10, 1#10G, 3/4"C	
40	2	1	3#8, 1#10G, 3/4"C	
55	3	1	3#6, 1#10G, 3/4"C	
60	4	1	4#6, 1#6G, 1-1/4" RNC	
85	5	1	3#3, 1#8G, 1"C	
100	6	1	4#1/0, 2"C	ALUMINUM
100	7	1	4#1/0, 1#6G, 2"C	ALUMINUM
130	8	1	4#1, 1#6G, 1-1/2"C	
150	9	1	3#1/0, 1#6G, 1-1/2"C	
150	10	1	4#1/0, 1#6G, 2"C	
200	11	1	4#250KCMIL, 1#4G, 2-1/2"C	ALUMINUM
250	12	1	4#350KCMIL, 1#2G, 3"C	ALUMINUM
400	13	2	4#250KCMIL, 1#1G, 2-1/2"C	ALUMINUM
600	14	2	4#350KCMIL, 1#1/0G, 3"C	
800	15	2	4#500KCMIL, 1#1/0 3-1/2"C	
700	16	3	4#350KCMIL, 3"C	ALUMINUM

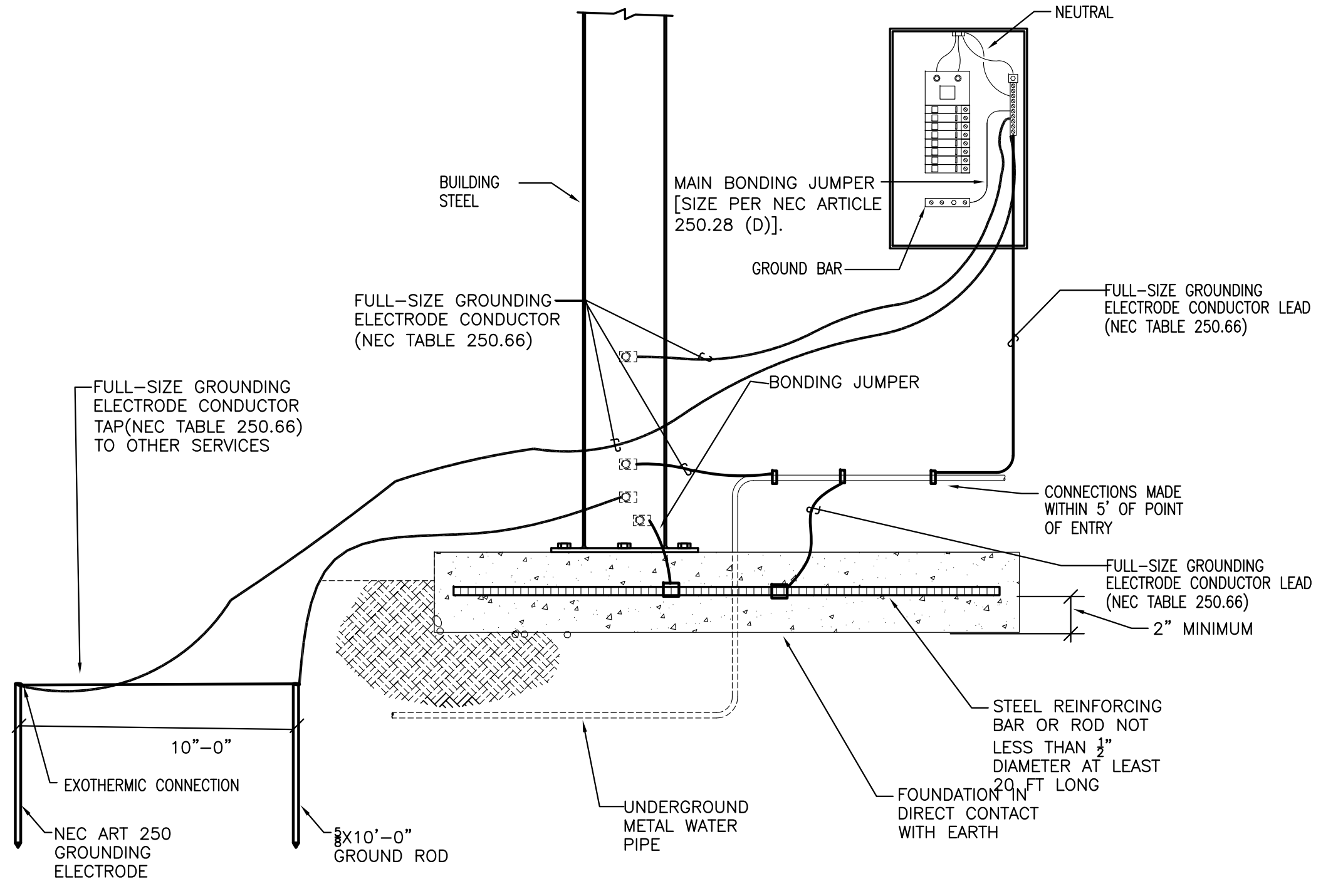
CONDUIT SIZE BASED ON THHN/THWN 40% FILL CALCULATION. WIRE SIZE BASED ON NEC 110-14C WITH 60°C AMPACITY TABLES FOR 20 AMPS THRU 100 AMPS AND 75°C AMPACITY TABLES FOR VALUES > 100 AMPS.

NOTE!
IN GENERAL, THE ACTUAL BREAKER AMPERAGE SHALL BE EQUAL TO OR NEXT STANDARD SIZE SMALLER THAN THE MAXIMUM WIRE AMPS. EXCEPTIONS SHALL BE MOTOR AND SPECIAL EQUIPMENT BREAKERS WHICH SHALL BE SIZED PER N.E.C. AND VENDOR REQUIREMENTS. OMIT GROUND CONDUCTORS ON SERVICE ENTRANCE FEEDERS (TYPICAL). USE #12 WIRE U.O.N. PRIOR TO ROUGH-IN, CONTRACTOR SHALL COORDINATE BREAKER AND WIRING WITH ACTUAL REQUIREMENTS OF EQUIPMENT BEING FURNISHED FOR THIS SPECIFIC PROJECT.

UNLESS NOTED OTHERWISE ALL 20A, 1P. BREAKERS TO UTILIZE #12 CONDUCTORS. EXCEPT WHERE BRANCH CIRCUIT IS IN EXCESS OF 90 LINEAR FEET CONDUCTORS TO BE #10 AND OVER 175 FEET LINEAR FEET CONDUCTORS TO BE #8. EQUIPMENT GROUNDING CONDUCTOR SHALL BE INCREASED PROPORTIONATELY TO PHASE CONDUCTORS PER NEC 250.122(B).

SPECIAL FEEDER NOTES:

- ALL THE MAIN FEEDERS ARE ALUMINUM.
- ALL THE BRANCH CIRCUITS ARE COPPER.



- NOTES:**
- THIS DETAIL IS NOT INTENDED TO SHOW THE PHYSICAL ROUTING OF THE GROUNDING ELECTRODE CONDUCTORS, BUT SIZING AS OUTLINED IN NEC ARTICLE 250.66.
 - THE MINIMUM INSIDE BEND RADIUS IS:
 - 6 INCHES (0.15M) FOR CONDUCTORS UP TO #6 GAUGE.
 - 12 INCHES (0.3M) FOR CONDUCTORS #6 TO #4/0 GAUGE.
 - 24 INCHES (0.6M) FOR CONDUCTORS #4/0 GAUGE AND UP.

2 SERVICE GROUNDING ELECTRODE DETAIL
SCALE: N.T.S.

CLARKITECTURE
BUILDINGS THAT MEAN BUSINESS

CLARKITECTURE.NET
630.302.4472

PROJECT INFO

CLIENT:
COVENANT GROUP, LLC

PROJECT:
COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

ADDRESS:
400 NW CHIPMAN RD
LEE'S SUMMIT, MO 64806

PROJECT NO: 267

MAIN CONTACT

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chris@clarkitecture.net

DEVELOPER

SHEET INFO

ISSUE DATE: 04/06/22
ISSUED FOR: PERMIT

REVISION SCHEDULE		
NO	DESCRIPTION	DATE
A	CITY COMMENTS	05/05/22

PROFESSIONAL'S SEAL:

05/05/2022

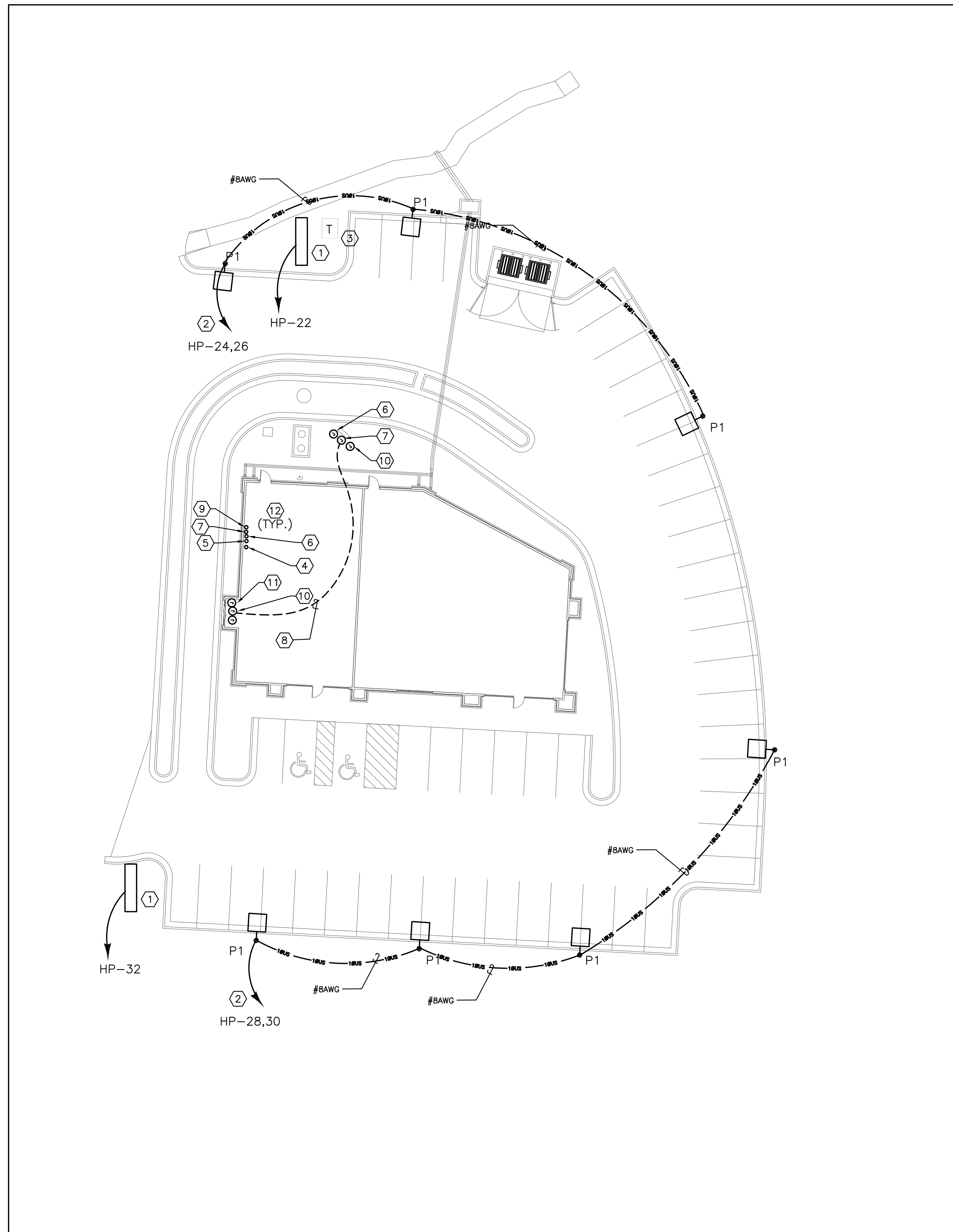
ELECTRICAL PANEL SCHEDULES
E-5

PANEL "LH" (NOTE 1)		INTERRUPTING CAPACITY 65K AIC	TYPE: MAINS: MOUNTING:	MLO 100A SURFACE	(HOUSE PANEL)				
KVA	DESCRIPTION	FEEDER	PROT.	CIRCUITS	PROT.	DESCRIPTION	FEEDER	KVA	
0.8	LTG-EXTERIOR	2#12, 1#12G, 1/2°C	20/1	1	2	20/1	LC AND TIME CLOCK	2#12, 1#12G, 1/2°C	0.2
0.8	LIGHTS FUTURE TENANT	2#12, 1#12G, 1/2°C	20/1	3	4	20/1	TBB-RECEP	2#12, 1#12G, 1/2°C	0.4
	SPARE		20/1	5	6	20/1	SPARE		
	SPARE		20/1	7	8	20/1	SPARE		
	SPARE		20/1	9	10	20/1	SPARE		
	SPARE		20/1	11	12	20/1	SPARE		
	SPARE		20/1	13	14	20/1	SPARE		
	SPARE		20/1	15	16	20/1	SPARE		
	SPARE		20/1	17	18	20/1	SPARE		
	SPARE		20/1	19	20	20/1	SPARE		
	SPARE		20/1	21	22	20/1	MONUMENT SIGN	2#10, 1#10G, 3/4°C	1.0
	SPARE		20/1	23	24	20/2	PARKING LIGHTS	2#8, 1#10G, 3/4°C	2.0
	SPACE			25	26				
	SPACE			27	28	20/2	PARKING LIGHTS	2#8, 1#10G, 3/4°C	2.0
	SPACE			29	30				
	SPACE			31	32	20/1	MONUMENT SIGN	2#10, 1#10G, 3/4°C	1.0
	SPACE			33	34				
	SPACE			35	36				
	SPACE			37	38				
	SPACE			39	40				
	SPACE			41	42				
0.8	SUB-TOTAL			TOTAL: 6.4	KVA			SUB-TOTAL	5.6

NOTES:
1. PROVIDE POWER PANEL BOARD.
2. PARKING LIGHT CONNECTION BY OTHER PROJECT.

PANEL "LA" (NOTE 1) (SECTION 1)		INTERRUPTING CAPACITY 65K AIC	TYPE: MAINS: MOUNTING:	MLO 400A SURFACE	MEDICAL OFFICE				
KVA	DESCRIPTION	FEEDER	PROT.	CIRCUITS	PROT.	DESCRIPTION	FEEDER	KVA	
0.2	ROOF RECEPTACLE	2#12, 1#12G, 1/2°C	20/1	1	2	50/3	RTU-1 (NOTE 3)	3#6, 1#10G, 3/4°C	12.6
0.5	SIGN	2#12, 1#12G, 1/2°C	20/1	3	4				
0.5	LIGHTS	2#12, 1#12G, 1/2°C	20/1	5	6	50/3	RTU-2 (NOTE 3)	3#6, 1#10G, 3/4°C	12.6
	SPARE		20/1	7	8				
	SPARE		20/1	9	10				
	SPARE		20/1	11	12	50/3	RTU-3 (NOTE 3)	3#6, 1#10G, 3/4°C	12.6
	SPARE		20/1	13	14				
	SPARE		20/1	15	16				
	SPARE		20/1	17	18				
	SPARE		20/1	19	20	50/3	RTU-3 (NOTE 3)	3#6, 1#10G, 3/4°C	12.6
	SPARE		20/1	21	22				
	SPARE		20/1	23	24				
	SPARE		20/1	25	26	20/1	SPARE		
	SPARE		20/1	27	28	20/1	SPARE		
	SPARE		20/1	29	30	20/1	SPARE		
				31	32				
				33	34				
				35	36				
				37	38				
				39	40				
				41	42				
1.2	SUB-TOTAL			TOTAL: 51.6	KVA			SUB-TOTAL	50.4

NOTES:
1. PROVIDE LIGHTING PANEL BOARD.
2. AIC RATING OF THIS PANEL CAN BE REDUCE AFTER COORDINATION STUDY DONE BY PANEL MANUFACTURER REPRESENTATIVE.
3. PROVIDE FEED THRU LUG FOR SECTION TWO.



GENERAL NOTES:

- A. THE ELECTRICAL CONTRACTOR SHALL REFER TO CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL AND PLUMBING DRAWING FOR THE EXACT BUILDING AND ROOM LAYOUTS. ALL DIMENSIONS, SECTIONS, DETAILS, AND ELEVATIONS. POWER AND VOLTAGE REQUIREMENTS AND PHYSICAL SIZE OF ALL EQUIPMENT FURNISHED BY OTHER TRADES. COORDINATE AND ADJUST ELECTRICAL INSTALLATION ACCORDINGLY.
- B. REFER TO DRAWING E-1 FOR LIGHTING FIXTURE SCHEDULE.
- C. UPPER CASE ALPHA CHARACTER INSIDE/ADJACENT TO LIGHT FIXTURE INDICATES LUMINAIRE TYPE.
- D. LOWER CASE ALPHA CHARACTER INSIDE/ADJACENT TO LUMINAIRE INDICATES ASSOCIATED SWITCH CONTROLLING LIGHTING BRANCH CIRCUIT.
- E. ALL PENETRATION THRU FIRE RATED WALL AND CEILING SHALL BE SEALED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE ARTICLE 300-21.
- F. COORDINATE WITH OWNER FOR APPROVAL OF LIGHTING FIXTURE PRIOR TO INSTALL.
- G. MINIMUM WIRE SIZE FOR PARKING LIGHTS IS #8AWG.

KEY NOTES:

- ① POWER CONNECTION FOR FUTURE MONUMENT SIGN. FILED COORDINATE EXACT LOCATION. SIGNAGE POWER SHALL ROUTED THRU LIGHTING CONTACTOR AND CONTROL VIA TIME CLOCK AND PHOTO ELECTRIC CELL.
- ② PARKING LIGHT SHALL ROUTED THRU LIGHTING CONTACTOR AND CONTROL VIA TIME CLOCK AND PHOTO ELECTRIC CELL.
- ③ UTILITY TRANSFORMER. FIELD COORDINATE EXACT LOCATION.
- ④ PROVIDE 1" CONDUIT FOR PRE-ORDER MENU BOARD TO FUTURE PANEL LOCATION. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- ⑤ PROVIDE 1" CONDUIT FOR FUTURE PRE-MENU/MENU BOARD TO FUTURE PANEL LOCATION. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- ⑥ PROVIDE 1" CONDUIT FOR FUTURE MENU BOARD TO FUTURE PANEL LOCATION. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- ⑦ PROVIDE 1" CONDUIT FOR POWER TO OCS/SPEAKER POST TO FUTURE PANEL LOCATION. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- ⑧ PROVIDE (2) 1" CONDUIT FROM OCS/SPEAKER POST TO DRIVE-THRU WINDOW.
- ⑨ PROVIDE WP, J-BOX AND 1" CONDUIT FOR DIRECTIONAL SIGN TO FUTURE PANEL LOCATION. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- ⑩ PROVIDE 1" CONDUIT FOR DETECTOR LOOP SET. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- ⑪ PROVIDE WP, J-BOX AND 3/4" CONDUIT FOR DRIVE-THRU TRANSOMS, SIDELIGHTS AND EXTERIOR SHELF POWER TO FUTURE PANEL LOCATION. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- ⑫ STUB UP CONDUITS 6" A.F.F FINISH FLOOR. COORDINATE WITH ARCHITECT, OWNER AND OTHER TRADES PRIOR TO INSTALLATIONS.

PROJECT INFO

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 COVENANT GROUP, LLC

PROJECT:
 COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

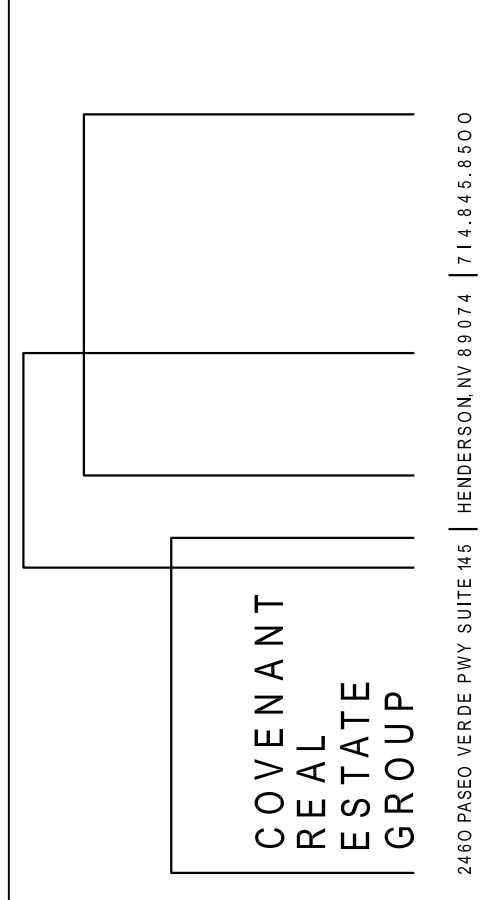
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 LEE'S SUMMIT, MO 64806

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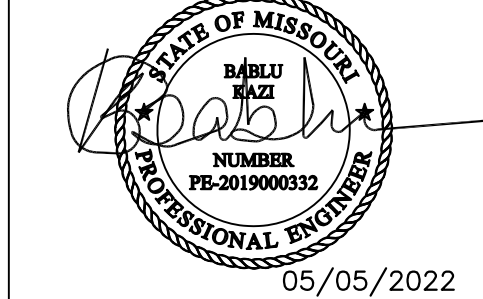


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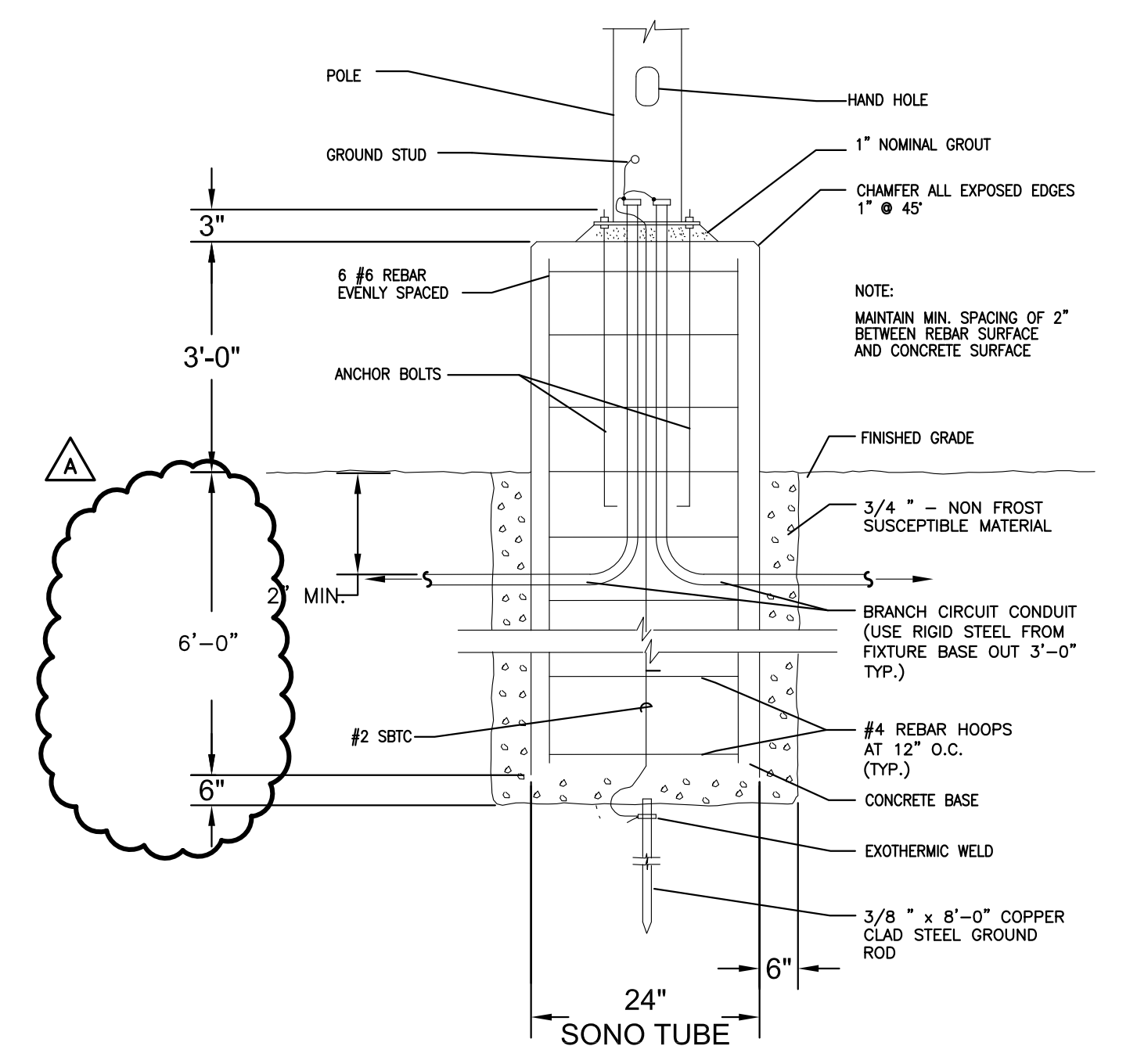
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PROFESSIONAL'S SEAL:



ELECTRICAL SITE PLAN

1 ELECTRICAL SITE PLAN
 E6.0 SCALE: 1"=20'



DETAIL NOTES

- 1. AE MUST DETERMINE POLE BASE DEPTH.

2 TYPICAL POLE BASE DETAIL
 E-6 SCALE:

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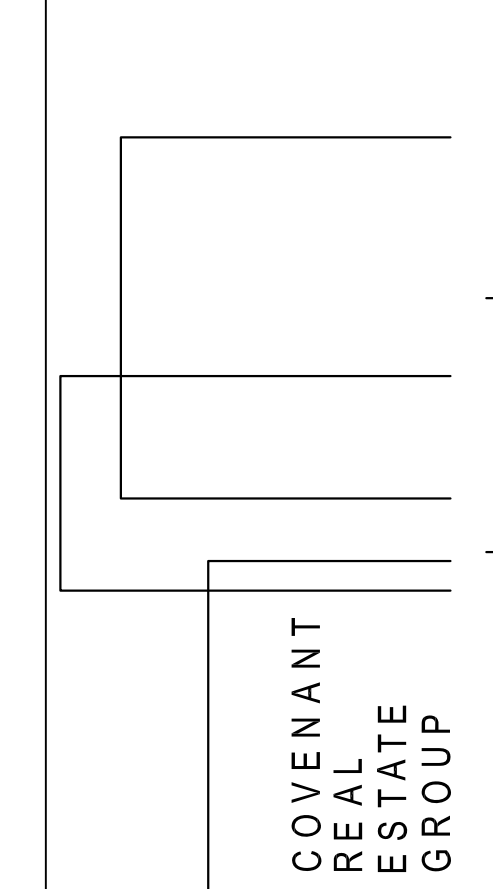
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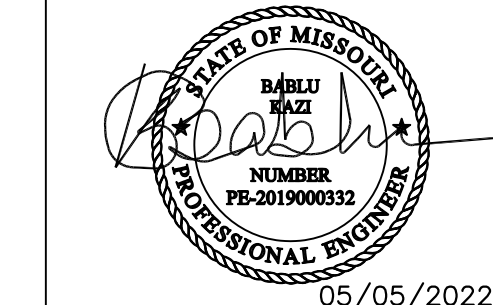


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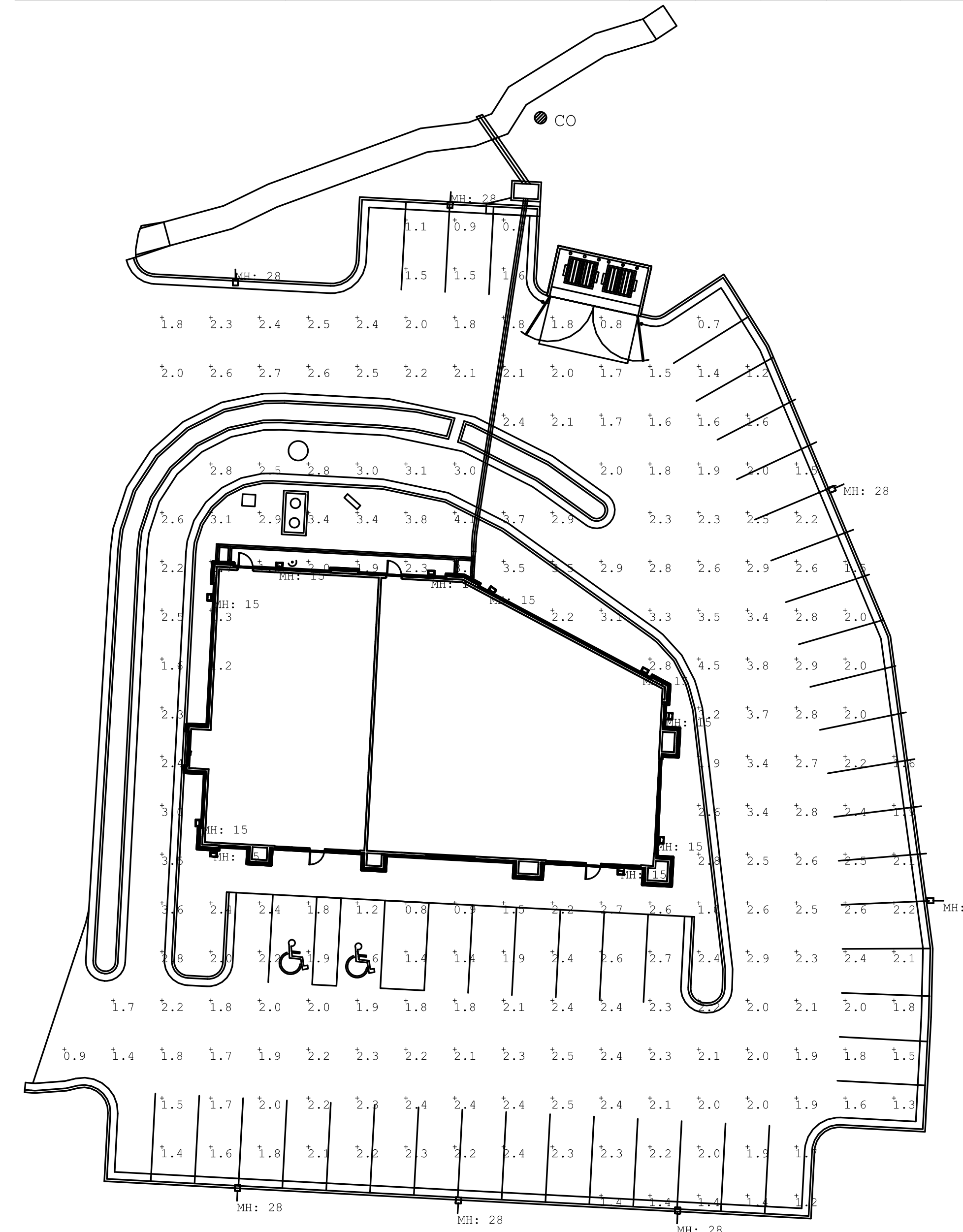
PROFESSIONAL'S SEAL:



05/05/2022

SITE LIGHTING
PHOTOMETRIC PLAN
E-7

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
Overall	Illuminance	Fc	2.21	4.5	0.7	6.43



1 ELECTRICAL SITE PHOTOMETRIC PLAN
E-7 SCALE: NTS

XtraLight
LED Lighting Solutions

VIENTO SMALL
AREA & SITE LED LUMINAIRE

PROJECT INFORMATION

Project Name: _____ Date: _____
Catalog #: _____ Type: _____

APPLICATIONS

- Auto Dealership Sales Lots
- Parking Lots
- Educational/Business Campuses
- Parks & Recreation Areas
- Security Areas
- Mail & Retail Spaces
- Pedestrian Walkways

APPROVALS

- ETL Listed, Complies with UL 1598 and CSA C22.2 No. 250.0-08
- 5% Vibration Rated for Bridge/Overpass Applications per ANSI C136.31-2010, Test Level 2
- Suitable for wet locations
- IP66 Optics and Housing
- Select models DLC Qualified. For a completed list of DLC Qualified products, please visit: <https://www.straight.com/dlc> or www.designlights.org/qsl

PRODUCT PERFORMANCE

MODEL	LUMENS	WATTS	EFFICACY
VNT-S 025"	4085	27.3	149.8 LPW
VNT-S 052"	7605	52.7	144.3 LPW
VNT-S 072"	10775	77.4	139.2 LPW
VNT-S 100"	14735	109.1	135.0 LPW

*Type V Optics 5000K. For more photometric information see page 3.

FEATURES

- Outstanding photometric performance results in sites with excellent uniformity, optimal pole spacing and lower power density.
- Optics are completely sealed against moisture and environmental contaminants (IP66).
- Low profile architectural design offers a contemporary appearance with excellent light output and is night sky friendly.
- Field-serviceable luminaire utilizing Lumileds LED technology.
- Controls ready luminaire for independent operation or remote management.
- Operating temperature: -40°C to +40°C (-40°F to +104°F)

CONSTRUCTION

- Housing: One-piece die-cast aluminum has integral heat sink fins to optimize thermal management through conductive and convective cooling.
- The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life.
- Housing and door are protected with a thermoset TGIC-polyester powder coat finish using a tightly controlled multi-stage process to a uniform 3 mil thickness (min). This finish provides superior protection from corrosion and maximum environmental durability.
- Powder coat finish in bronze, white or custom colors (consult factory).

MOUNTING

- Integral arm with keyhole slot facilitates quick and easy installation.
- Nut plate eliminates loose hardware in the pole and reduces installation labor.

OPTICS

- Precision molded optics for superior uniformity, minimal light trespass and maximum pole spacing.
- Optical grade polymer is UV stabilized and impact resistant.
- IP66 rated LED light engines prevent dust and moisture from degrading performance.
- Distributions: Type II, Type III, Type IV and Type V. Types II, III, and IV available rotated right or left 90°, factory installed.
- Best in class Osram LEDs with 3000K, 4000K and 5000K CCT (min 70 CRI).
- Zero uplight (ZU) is night sky friendly, reduces wasted light.
- Lumen Maintenance: >100,000hrs L70 @ 25°C.

ELECTRICAL

- Voltage: 120-277V 50/60Hz driver (standard); 347-480V 50/60Hz driver (optional).
- Class 2 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate.
- Surge Protection: 20kA standard.
- NEMA twist-lock receptacle available as an option. NOTE: Photocontrol or shorting cap required for operation (not included).
- Dimming: 0-10v dimmable driver standard.
- Passive Infrared (PIR) Photo/Motion Sensor option available.

WARRANTY

- 10 year limited warranty.

DLG, DLG, ZERO UPLIGHT, OPTICS, IP66, 3G, Intertek

VNTLED-SMALL 1000000
www.straightlight.com • (800) 578-6960 • customerservice@straightlight.com
All information is believed to be accurate at the time of publication. Please contact customer service or visit www.straightlight.com for the most updated product specifications. XtraLight® reserves the right to change specifications without notice.