

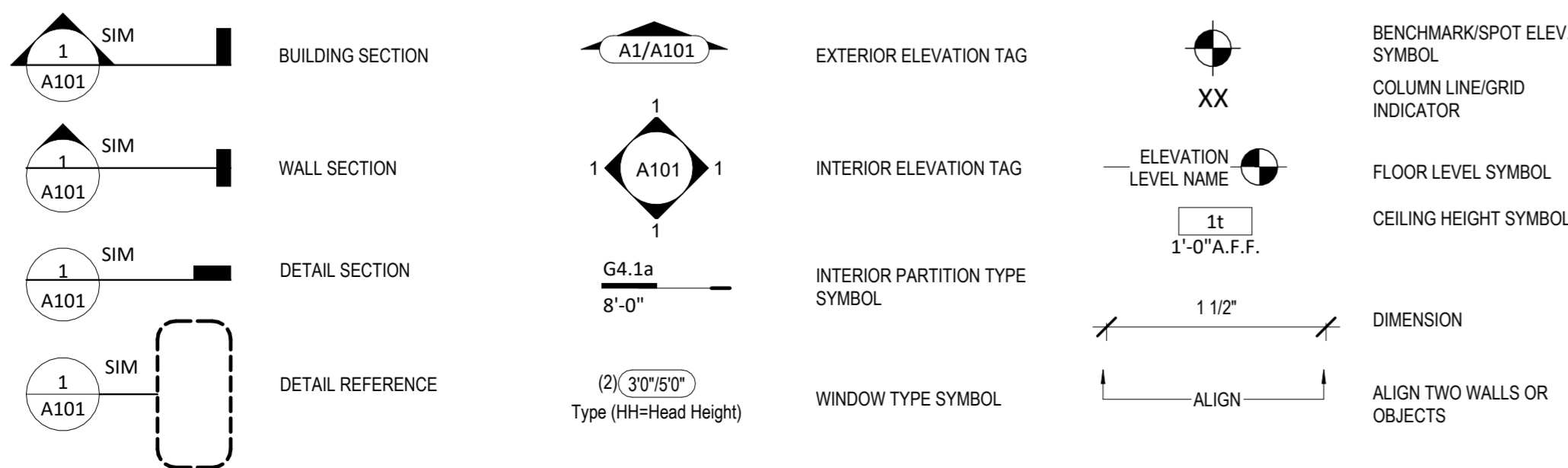
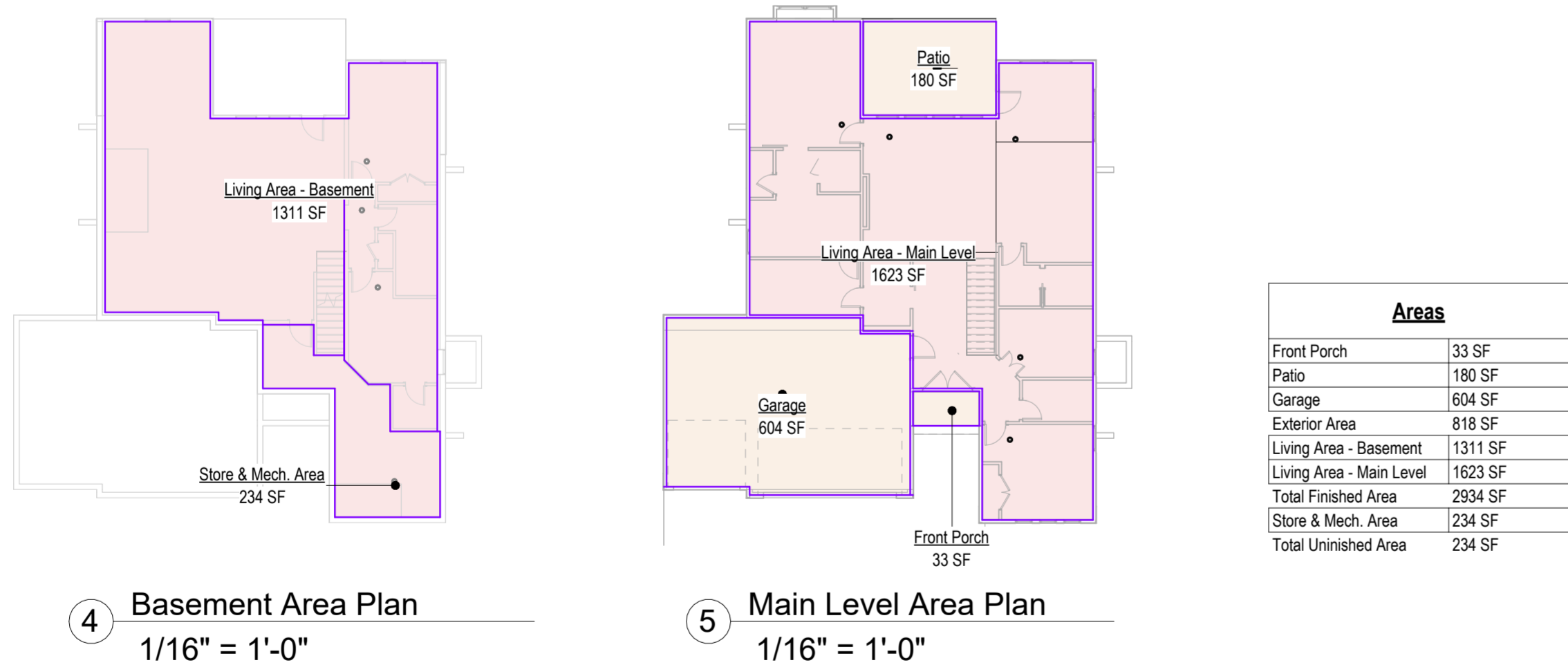
SOMERSET MASTER PLAN

Lot : HF 198
Address : 2226 SW Crown Drive, LSMO

Change log: 12/12/24

- All main level doors are changed to 8'0" high from 6'8".
- All the applicable window header heights on the main level are changed from 7'6" to 8'0".
- Added niches and double wall in the primary bedroom.

RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEERS SUMMIT MISSOURI
12/13/2024



Sheet List	
00	Cover
A101	Main Base Elevation
A301	Side Elevations Full Basement
A302	Side Elevations Daylight Basement
A303	Side Elevations Walkout Basement
A401	Foundation Plan
A501	Floor Plan -Basement Level
A601	Floor Plan -Main Level
A602	Floor Plan -Main Level (Daylight Basement)
A701	Floor Plan - Roof Plan
A702	Roof Vault Option
A801	POD Options
A801	Details
A802	Details
A803	Details
E101	RCP/Electrical Main Level Plan
E201	RCP/Electrical Plan
M101	HVAC Plans
P101	Plumbing Plans

General Information

- Whole House Mechanical Ventilation System is required for any dwelling with air infiltration at a rate of less than 5 air changes per hour (at ACH50 standard R303.4).
- Carbon monoxide detectors required (R315).
- Steel columns shall be minimum schedule 40 (R507.2).
- Deck Ledger attachment to house shall be per Tables 507.9.1.3.
- New provisions for attachment of rafters, trusses and roof beams. (R802.3 and R802.11).
- Programmable thermostat required (N1103.1.1).
- Air handlers shall be rated for Maximum 2% air leakage rate (N1103.2.2.1).
- Building cavities used as return air plenums shall be sealed to prevent leakage across the thermal envelope. (N1103.2.3).
- Certain hot water pipes shall be insulated (N1103.4).
- All exhaust fans shall terminate to the building exterior (M1507.2).
- Makeup air system required for kitchen exhaust hoods that exceed 400 CFM M1503.4.
- Building cavities in a thermal envelope wall (including the wall between the house and garage) shall not be used as return air plenums (unless the required insulation and air barrier are maintained). (M1601.1.1.#7.5).
- An air handling system shall not serve both the living space and the garage (M1601.6).
- A concrete-Encased grounding electrode ("UFER" Ground) connection complies with the requirements of the 2016 IRC Section E3608.1.2 in providing a connection with no less than the required minimum of steel.
- Compliance with the requirements and show connection as needed for roof beam, trus, rafter, and girder connections for uplift per IRC 802.11.
- DASMA 115 MPH Rated Garage doors
- Compliant with the Physical Security Ordinance in the Kansas City Building and Rehabilitation Code, section 329 (Information Bulletin 161).
- Compliant with the requirements of section 308 of the 2018 IRC for safety glazing.
- Studs will be continuous from floor to ceiling diaphragm/Roof as per 2018 IRC 602.3

2018 IRC BUILDING CODE COMPLIANCE
THESE DRAWINGS HAVE BEEN PREPARED WITH RESPECT TO COMPLIANCE OF THE 2018 IRC AND NEC 2017 ANY REFERENCES FOUND NOT CORRECTLY IDENTIFIED TO THESE CODES SHALL BE BROUGHT TO THE ATTENTION OF SSIONAL THE DESIGN PROFESSIONAL

2018 HT. EXERTY CONSERVATION CODE (2018-CH.11)DOORS, & WINDOWS:	
SKYLIGHTS:	U-0.35 MAX (HEAT GAIN MAX 0.25)
ATTIC CEILINGS:	R-49 MIN.
WOOD FRAME WALLS:	20 OR 13 + 5 MIN.
FLOOR (OVER UNHEATED):	R-19 MIN
SLAB ON GRADE:	R-10 FOR 24" IN
VAULTED CEILINGS:	R-38 (SEE DETAIL)
CRAWL SPACE:	R-10
BASEMENT WALLS:	R-10 CONT OR R-13 CAVITY
DUCTWORK:	R-8
FUEL FIRED FURNACE:	90% AFUE MIN.
ELECTRIC FURNACE:	NO MINIMUM
COOLING SYSTEM:	13 SEER MIN.
WATER HEATER	
GAS FIRED STORAGE:	0.67 EF MIN
GAS FIRED INSTANT:	0.62 EF MIN
ELECTRIC STORAGE:	0.97 EF MIN
ELECTRIC INSTANT:	0.93 EF MIN

AN ENERGY EFFICIENT CERTIFICATE IS REQUIRED TO BE POSTED IN OR ON THE ELECTRICAL PANEL BEFORE FINAL INSPECTION. THE CERTIFICATE WILL BE PROVIDED WITH ALL NEW RESIDENTIAL PERMITS. IT IS THE PERMIT HOLDER/CONTRACTOR'S RESPONSIBILITY TO ENSURE THE CERTIFICATE HAS ACCURATE INFORMATION & IS POSTED BEFORE FINAL INSPECTION. OWNER/CONTRACTOR IS RESPONSIBLE FOR MEETING THE PRESCRIPTIVE REQUIREMENTS OF IRC CHAPTER 11 UNLESS A HERS INDEX ANALYSIS FOR PERFORMANCE COMPLIANCE BASED ON THE PLANS IS SUBMITTED TO THE AHJ FOR APPROVAL.



SOMERSET MASTER PLAN
Lot :
Address :

Original Issue Date: 24/03/27

REVISIONS

Number Description Date



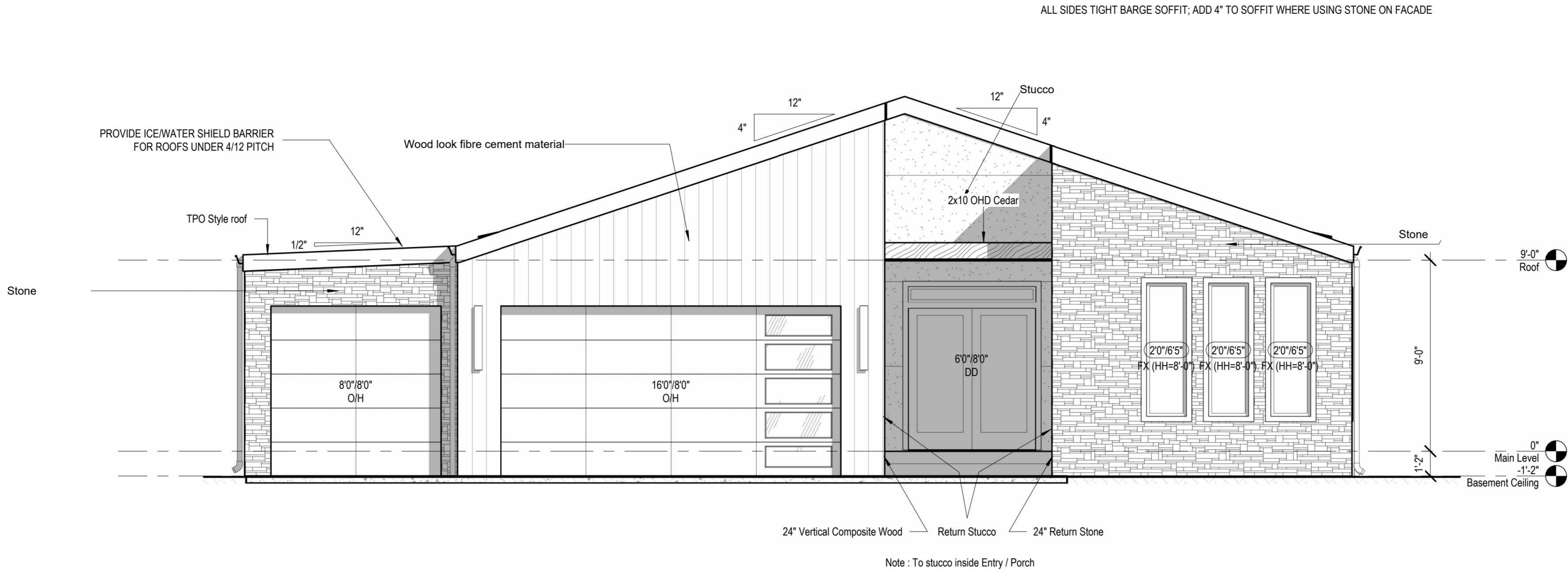
OCTOBER 9, 2024

PLAN DESCRIPTION: Cover

00

Project No.

SOMERSET MASTER PLAN



2 Front Elevation (Modern)
1/4" = 1'-0"

architect:
Elevate Design + Build
350 SW Longview Blvd
Lee's Summit, MO 64081
816.622.8826 voice
www.elevatedesignbuildkc.com

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OCTOBER 9, 2024

REVISIONS

Number	DESCRIPTION	DATE
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PROJECT
Lot : HF 198
Address : 2226 SW Crown Drive, LSMO

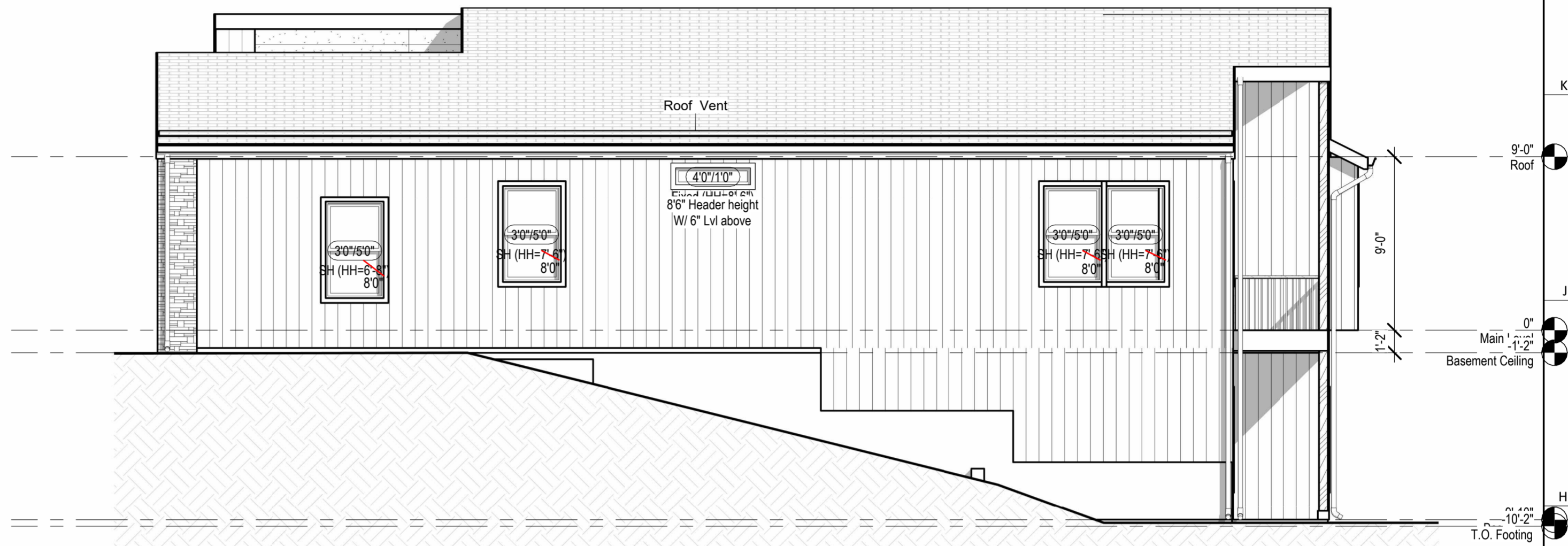
DRAWING TITLE
Main Elevations (Modern)

DATE ISSUED

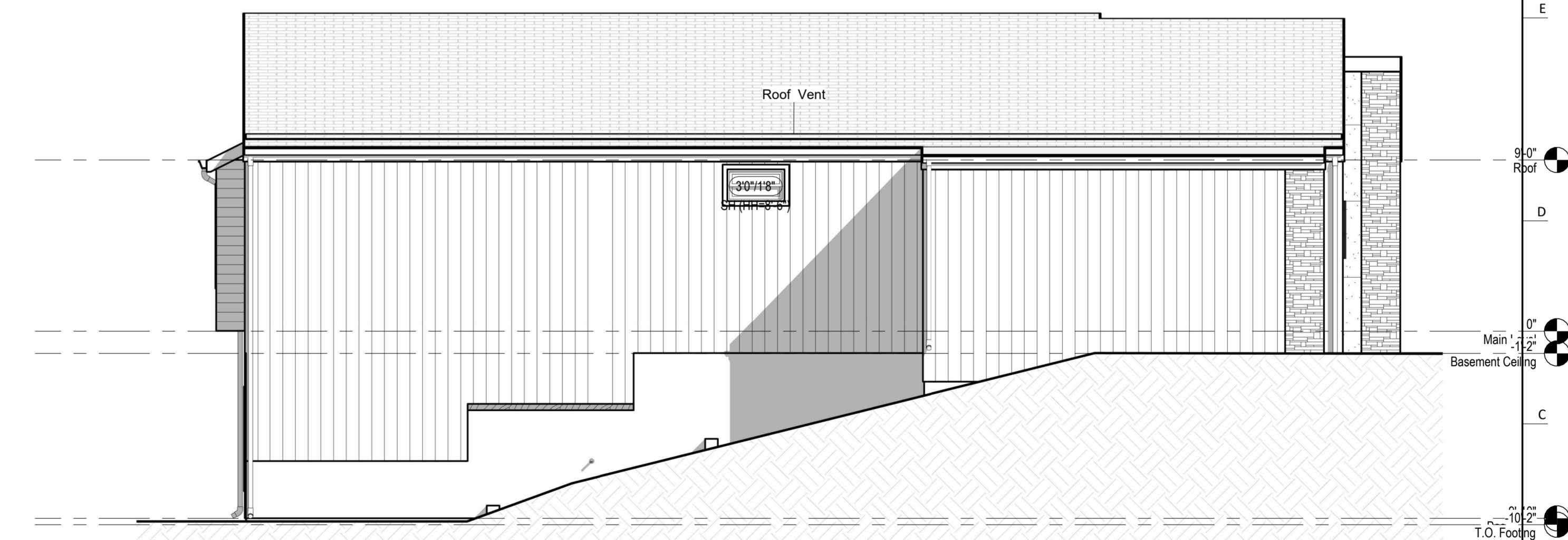
DRAWING NUMBER

A101.1

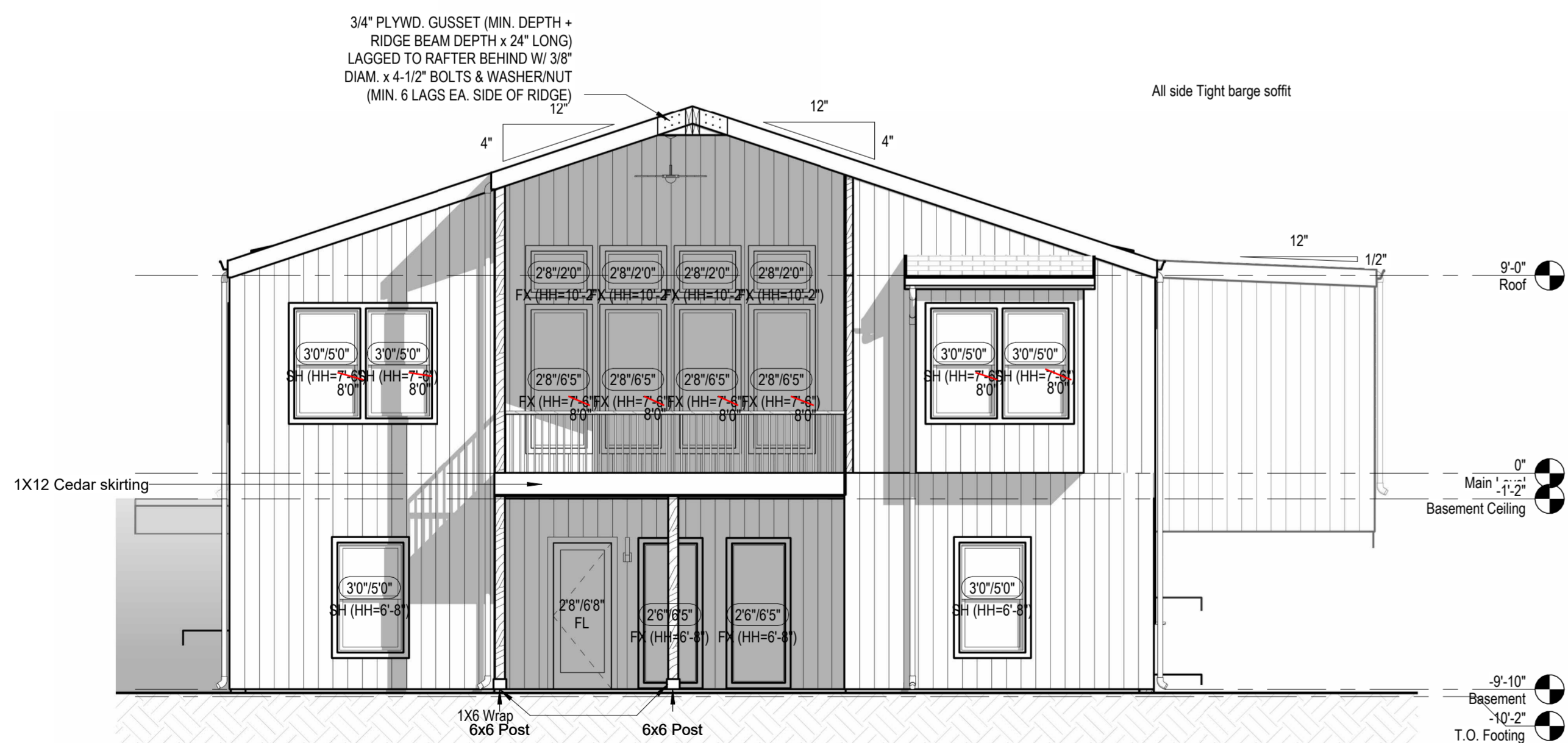
SOMERSET MASTER PLAN



② Right Elevation Walkout Basement (Modern)
3/16" = 1'-0"



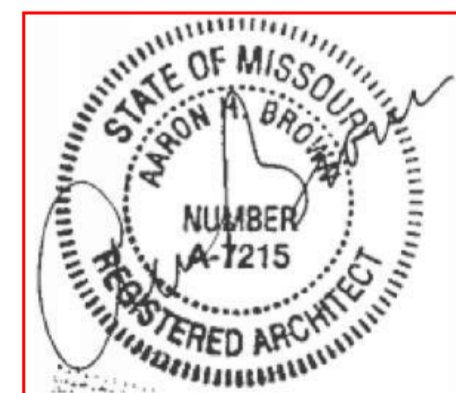
③ Left Elevation Walkout Basement (Modern)
3/16" = 1'-0"



① Rear Elevation Walkout Basement (Modern)
3/16" = 1'-0"

architect:
Elevate Design + Build
350 SW Longview Blvd
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OCTOBER 9, 2024

REVISIONS

Number	DESCRIPTION	DATE
1	Lot : HF 198	
2	Address : 2226 SW Crown Drive, LSMO	
3	DRAWING TITLE	
4	Side Elevations Walkout Basement (Modern)	
5	DATE ISSUED	

DRAWING NUMBER

A303.1

Foundation Wall Schedule			
Type	Width	Reinforcing	Comments
C8	8"	Reinf. w/ #4 vert. @ 12" oc / (3) #4 hor. equally spaced.	

The diagram illustrates the naming convention for an interior partition. It shows a partition wall with a height of 8'-0". The wall is labeled with the code G4.1a. The code is broken down into its components: G (Partition Material Type), 4 (Nominal Stud/Partition Thickness), and 1a (Fire Rating or other modifier). The height is indicated by a dimension line and the text 8'-0".

Interior Partition Naming Convention

Partition Material Type

Nominal Stud/Partition Thickness

Fire Rating or other modifier

G4.1a

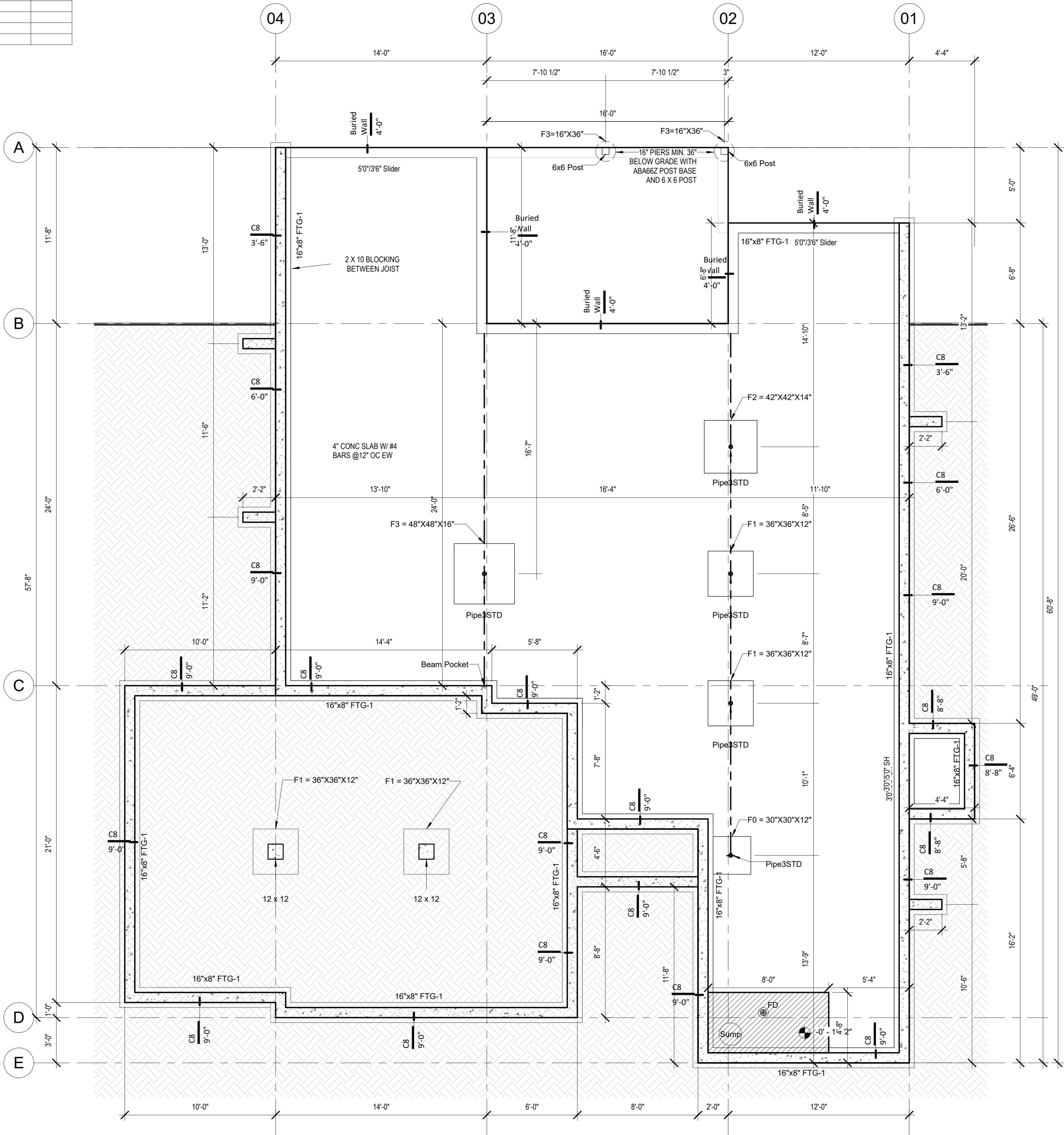
8'-0"

Partition Height. Omitted at walls spanning full height

HALT HT. FOUND. WALL (TYPICAL FOR ALL U.N.O.)
4'-0" (H) X 8" (W) CONC. FOUNDATION WALLS
REINF. W/ (1) #4 VERT. @ 24" O.C./ (1) #4
HOR. @ 24" O.C.

FULL HT. FOUND. WALL (TYPICAL FOR ALL U.N.O.)
9'-0" (H) X 8" (W) CONC. FOUNDATION WALLS
REINF. W/ (1) #4 VERT. @ 24" O.C./ (1) #4
HOR. @ 24" O.C.

FOOTING (TYPICAL FOR ALL U.N.O.)
16" (W) X 8" (D) O.C. W/ WALL ABOVE-REINF.
W/ (2) #4 BOT. EQ. SPACED-DOWEL INTO WALL
(1) #4 TURNED UP @ 12" O.C.



1 Foundation Plan (Walkout Basement)
1/4" = 1'-0"

SOMERSET MASTER PLAN

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OCTOBER 9, 2024

REVISIONS

Number	DESCRIPTION	DATE
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PROJECT
Lot : HF 198
Address : 2226 SW Crown Drive, LSM

DRAWING TITLE

Foundation Plan Walkout
(Basement)

DATE ISSUED	NORTH
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NORTH
↑

DRAWING NUMBER

A403

RELEASE FOR CONSTRUCTION
(Mirrored) net
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
12/13/2024

SOMERSET MASTER PLAN

architect:
Elevate Design + Build
350 SW Longview Blvd
Lee's Summit, MO 64081
816.622.8826 voice
www.elevatedesignbuildkc.com

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OCTOBER 9, 2024

REVISIONS

Number	DESCRIPTION	DATE
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PROJECT
Lot : **HF 198**
Address : **2226 SW Crown Drive, LSMO**

DRAWING TITLE
**Floor Plan - Basement Level
(Walkout Basement)**

DATE ISSUED	NORTH
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DRAWING NUMBER

A503

General Notes:

DOORS AND WINDOW
1. ALL GLAZING WITHIN 12" OF THE FINISHED FLOOR, ADJACENT TO DOORS 24" AND WITHIN DOORS, ABOVE BATTURBS TO BE SAFETY TYPE GLASS AND LABELED SUCH AS IN COMPLIANCE W/ SECTION 308 OF THE IRC.
2. SHOWER DOORS SHALL HAVE SAFETY GLAZING. HINGED SHOWER DOORS SHALL SWING OUTWARD.

GARAGES
1. GARAGE SEPARATION WALL TO BE 1-HR CONST. W/ MIN. 5/8" TYPE X GWB, EXTEND TO BOTTOM OF ROOF. DOOR TO BE 20-MIN WATER, 1-3/8" S.C. & EQUIPPED W/ CLOSURE & LATCH
2. 15 & 20 AMP RECEPTACLES SHALL HAVE GFCI PROTECTION
3. TYPE 1 5/8" OR REQUIRED ON GARAGE CEILING BELOW LIVING AREAS

LIGHT AND VENTILATION
1. PROVIDE STAIRWAY ILLUMINATION PER R303.7.9
2. GABLE VENT & MUSHROOM VENTS TO PROVIDE A MIN. OF 10 S.F. NET-FREE OF ATTIC VENTILATION
3. FURNACES ENCLOSED IN A ROOM LESS THAN 100 S.F. SHALL BE PROVIDED W/ A MEANS OF COMBUSTION MAKE-UP AIR AS DETERMINED/CALCULATED AND PRESCRIBED BY MECH. CONTRACTOR
4. VENTILATE KITCHENS AND LAUNDRY ROOMS PER R303.3
5. PROVIDE MIN. 16" x 10" SOFFIT VENTS ALONG EAVE SPACES EVENLY W/ NO MORE THAN 8'-0" O.C.

GYPSUM BOARD
1. GWB APPLIED TO CEILINGS SHALL BE 1/2" WHEN FRAMING MEMBERS ARE 16" O.C. OR 5/8" WHEN MEMBERS ARE 24" O.C. OR USE 1/2" SAG-RESISTANT GYP. CEILING BOARD

MECHANICAL SYSTEMS
1. FURNACE & WATER HEATER SHALL BE ON 18" PLATFORMS WHEN PLACED IN A GARAGE OR ROOM W/ DIRECT ACCESS TO A GARAGE
2. PROVIDE MIN. 75% AFUE FOR WEATHERIZED GAS HEATING EQUIP. 80% FOR NON-WEATHERIZED
3. PROVIDE MIN. 14 SEER FOR AIR CONDITIONING EQUIPMENT
4. SUPPLY AND RETURN DUCTS SHALL BE INSULATED TO MIN. R-8

ELECTRICAL SYSTEMS
1. PROVIDE UNDERGROUND ENCASED IN CONCRETE FOOTING
2. ALL ELECTRICAL CONDUCTORS SHALL BE COPPER
3. RECEPT. IN THE FOLLOWING LOCATIONS SHALL BE GFCI PROTECTED:
a. BEDROOM, KITCHEN (MIN. 6 FEET OF SINK), GARAGE, SHED, EXTERIOR, UNFINISHED BASEMENT & HEATED FLOOR
4. ALL BRANCH CIRCUITS THAT SUPPLY:
a. BEDROOMS, SUNROOMS, REC ROOMS, CLOSETS, HALLWAYS & BATH ROOMS SHALL BE PROTECTED BY A COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER INSTALLED IN:
a. 15 & 20 AMP RECEPT. SHALL BE LISTED TAMPER-RESISTANT
a. EXCEPTION: RECEPTACLES IN THE FOLLOWING LOCATIONS SHALL NOT BE REQUIRED TAMPER-RESISTANT:
• RECEPTACLES LOCATED MORE THAN 5 FEET AFF
• WHERE SUCH RECEPTACLES ARE LOCATED IN SPACES DEDICATED FOR THE APPLIANCE SERVED & UNDER CONDITIONS OF NORMAL USE, THE APPLIANCE ARE NOT EASILY MOVED. APPLIANCES TO BE CORD-IN-PLUG CONNECTED TO RECEPT.

EXTERIOR WALL FRAMING
1. BOTTOM SILL PLATES SHALL BE PRESSURE TREATED OR EQUAL
2. SILL PLATES SHALL BE EXTENDED MIN. 6 INCHES ABOVE GRADE
3. ALL EXTER. STUDS TO BE SECURED TO THEIR DOUBLE TOP PLATES W/ (2) 16-D NAILS (MIN) & ALL EXTERIOR CORNERS TO BE BRACED WITH 7/16" OSB NAILING SCHEDULE SHALL BE COMMON @ 6" O.C. ALONG EDGES & 4" COMMON @ 12" O.C. @ INTERMEDIATE STUDS

ROOF FRAMING
1. ALL ROOF EAVES OVERHANGS TO BE 16" UNO
2. ALL JOISTS & RAFTERS TO BE ALLOWED OVER SUDS
3. ROOF SHEATHING SHALL BE 7/16" OSB LAD W/ LONG DIMENSION PERPENDICULAR TO EAVE LINE & STAGGERED 48" O.C. W/ LONG DIMENSION PERPENDICULAR TO EAVE LINE & STAGGERED 48" O.C. W/ GALV. SPACER CLIPS ALONG ALL EDGES - SECURE SHEATHING W/ 6 COMMON NAILS TO RAFTERS AT 6" O.C. ALL EDGES

UNFINISHED BASEMENT REQUIREMENTS
1. FIRE PROTECTION OF FLOORS: FLOOR ASSEMBLIES CONSTRUCTED W/ JOISTS LESS THAN 2X10 DIMENSIONAL LUMBER
2. JOISTS OR OPEN WEB JOISTS OVER UNFINISHED BASEMENTS SHALL BE PROVIDED WITH 5/8" G90
3. UNFINISHED BASEMENTS SHALL BE MIN. R-13 INSULATED WALL OR INSULATED OH FLOORCEILING (MIN. R-10)
4. ALL EXPOSED HVAC DUCTING IN UNFINISHED BASEMENTS TO BE MIN. R-8 INSULATED OR ENCLOSED INSIDE A FLOORCEILING
5. UNFINISHED BASEMENTS SHALL HAVE NO CONDITIONED AIR OUTLETS

EROSION CONTROL
1. EROSION CONTROL MEASURES SHALL BE IN PLACE & IN GOOD WORKING ORDER AT ALL TIMES DURING INSPECTIONS. IN THE EVENT THAT THEY ARE NOT, THE INSPECTOR MAY CANCEL THE INSPECTION UNTIL SUCH TIME THE EROSION CONTROL MEASURES ARE IN PLACE. A FINE, RE-INSPECTION FEE & STOP-WORK ORDER MAY BE ISSUED IF EROSION CONTROL IS NOT ADDRESSED. MINIMUMS INCLUDE:
A. SILT FENCE OR STRAW WATTLE AROUND ALL DISTURBED SOIL, SHALL BE IN PLACE BEFORE ANY EROSION BEGINS
B. TEMPORARY GRAVEL CONSTRUCTION ENTRANCE. THIS ENTRANCE SHOULD BE THE ONLY ENTRANCE & EXIT USED FOR VEHICLES INTO & OUT OF THE SITE
C. STREETS SHALL BE MAINTAINED FREE OF ALL SOIL & GRAVEL IN A BROOM CLEAN CONDITION AT ALL TIMES

WOOD FRAMING, FLOORS AND ROOF NOTES
1. EXT. WALL FRAMING TO BE 2 X 4 SYP OR DFL, STUD GRADE 2 OR BETTER @ 16" O.C.
2. ROOF SHEATHING TO BE 7/16" OSB NAILED W/ 8d @ 6" O.C. PANEL INDEX 240; PROVIDE CLIPS AT UNSUPPORTED PANEL EDGES
3. SHEATH EXT. WALLS W/ 7/16" OSB NAILED W/ 8d @ 6" O.C.
4. HEADERS: PROVIDE (2) 2 X 8 (SYP OR DFL #2 OR BETTER) UNO. CONSTRUCT HEADERS FULL DEPTH SOLID BLOCKING NOT < 2 INCHES
5. BLOCKING MIN. 1.5 INCHES UTILITY GRADE LUMBER JOISTS TO BE SUPPORTED AT ENDS
6. T&I F.J., C.J. & RAFTERS TO BE SYP OR DFL GRADE #2 OR BETTER
7. EXT. WALL STUDS & LOAD BEARING WALLS TO BE CONTINUOUS FROM FLOOR TO ROOFCEILING DIAPHRAGM PER IRC 602.3
8. STUDS, RAFTERS JOISTS, MS. LUMBER MIN. GRADE #2 D.F. OR S.P.

PHYSICAL SECURITY ORDINANCE
1. OWNER/BUILDER IS RESPONSIBLE FOR COMPLIANCE OF PHYSICAL SECURITY ORDINANCE FOR THEIR LOCAL JURISDICTION

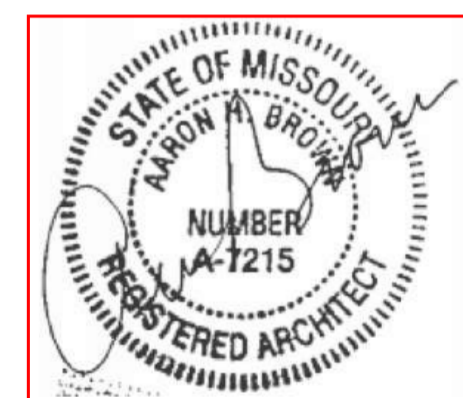
1 Basement Floor Plan (Walkout Basement)
1/4" = 1'-0"

ELECTRIC WATER HEATER
PROVIDE ALL ELECTRICAL
CONNECTIONS 18" AFF MIN.

FURNACE UNIT
92% EFFICIENT UNIT-SEALED COMBUSTION &
VENTED TO THE EXTERIOR VIA VERT. STACK
OR SIDE WALL POWER VENT

SOMERSET MASTER PLAN

architect:
Elevate Design + Build
350 SW Longview Blvd
Lee's Summit, MO 64081
816.622.8826 voice
www.elevatedesignbuildkc.com



OCTOBER 9, 2024

REVISIONS

Number	DESCRIPTION	DATE
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PROJECT

Lot: **HF 198**
Address : **2226 SW Crown Drive, LSMO**

DRAWING TITLE

Floor Plan - Main Level (Walkout Basement)

DATE ISSUED

NORTH

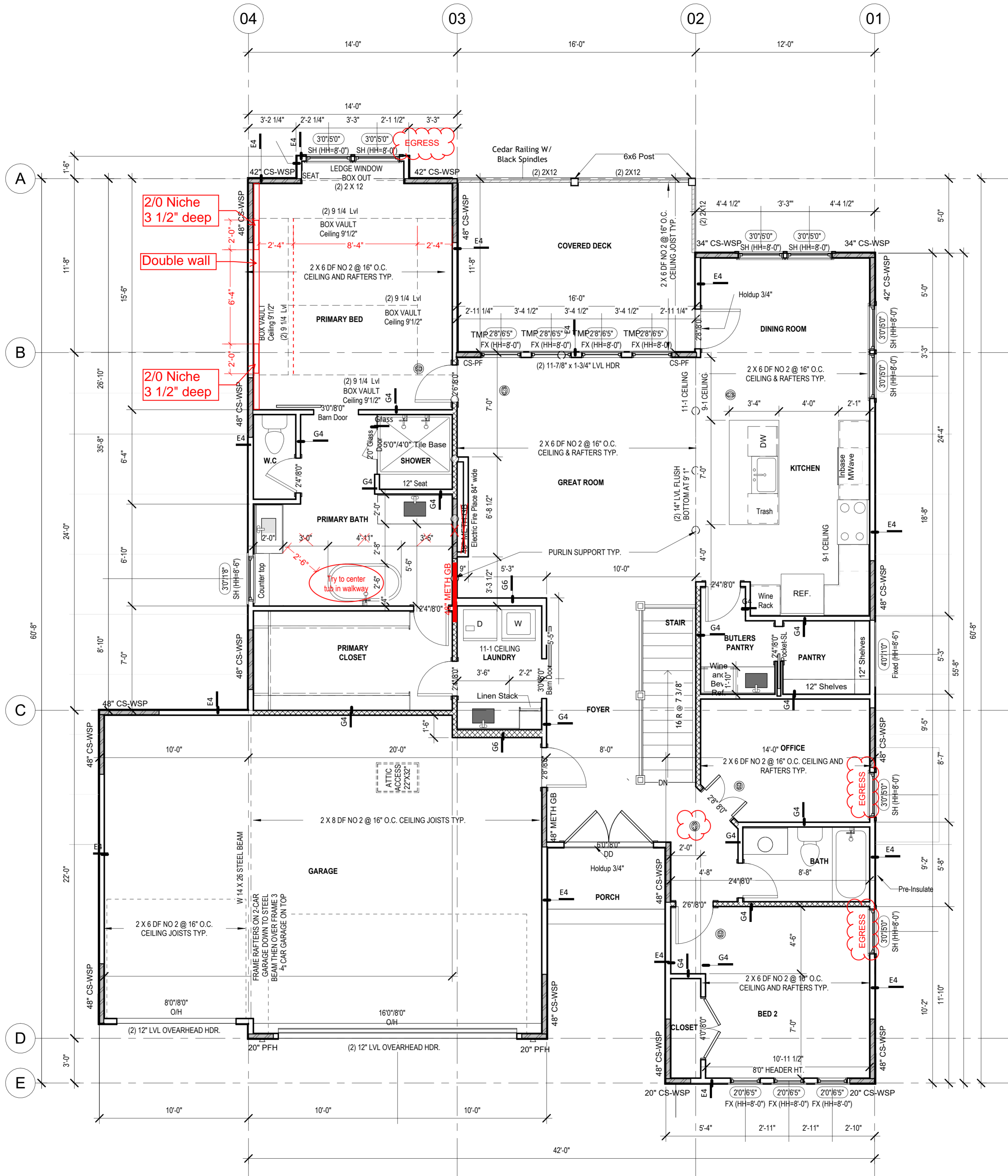


DRAWING NUMBER

A601

General Notes:

- DOORS AND WINDOW**
- ALL GLAZING WITHIN 12" OF THE FINISHED FLOOR, ADJACENT TO DOORS - 2" AND WITHIN DOORS, ABOVE BATHTUBS TO BE SAFETY TYPE GLASS AND LABELED SUCH AS IN COMPLIANCE W/ SECTION 306 OF THE IRC.
 - SHOWER DOORS SHALL HAVE SAFETY GLAZING. HINGED SHOWER DOORS SHALL SWING OUTWARD.
- GARAGES:**
- GARAGE SEPARATION WALL TO BE 1-HR CONST. W/ MIN. 3/8" TYPE X GWB, EXTENDS TO BOTTOM OF ROOF. DOOR TO BE 20-MIN RATED, 1-3/8" S.C. & EQUIPPED W/ CLOSURE & LATCH.
 - 15 & 20-AMP RECEPTACLES SHALL HAVE GFCI PROTECTION.
 - TYPE X 5/8" GB REQUIRED ON GARAGE CEILING BELOW LIVING AREAS.
- LIGHT AND VENTILATION:**
- PROVIDE STAIRWAY ILLUMINATION PER R303.2.
 - GABLE VENT & MUSHROOM VENTS TO PROVIDE A MIN. OF 10 S.F. NET FREE OF ATTIC VENTILATION.
 - FURNACES ENCLOSED IN A ROOM LESS THAN 100 S.F. SHALL BE PROVIDED WITH A MEANS OF COMBUSTION MAKE-UP AIR AS DETERMINED/CALCULATED AND PRESCRIBED BY MECH. CONTRACTOR.
 - VENTILATE KITCHENS AND LAUNDRY ROOMS PER R303.3.
 - PROVIDE MIN. 16" x 10" SOFFIT VENTS ALONG LEAVE SPACES EVENLY W/ NO MORE THAN 8" O.C.
- GYPSONUM BOARD:**
- GWB APPLIED TO CEILINGS SHALL BE 16" WHEN FRAMING MEMBERS ARE 16" O.C. OR 5/8" WHEN MEMBERS ARE 24" O.C. OR USE 1/2" SAG-RESISTANT GYP. CEILING BOARD.
- MECHANICAL SYSTEMS**
- FURNACE & WATER HEATER SHALL BE ON 18" PLATFORMS WHEN PLACED IN A GARAGE OR ROOM W/ DIRECT ACCESS TO A GARAGE.
 - PROVIDE MIN. 75% AFUE FOR WEATHERIZED GAS HEATING EQUIP. 80% FOR NON-WEATHERIZED.
 - PROVIDE MIN. 1/4 SEER FOR AIR CONDITIONING EQUIPMENT.
 - SUPPLY AND RETURN DUCTS SHALL BE INSULATED TO MIN. R-8.
- ELECTRICAL SYSTEMS**
- PROVIDE UFER GROUND ENCASED IN CONCRETE FOOTING.
 - ALL ELECTRICAL CONDUCTORS SHALL BE COPPER.
 - RECEPT. IN THE FOLLOWING LOCATIONS SHALL BE GFCI PROTECTED:
 - BEDROOM, KITCHEN (WITHIN 6 FEET OF SINK), GARAGE, SHED, EXTERIOR, UNFINISHED BASEMENT & HEATED ATTIC.
 - ALL BRANCH CIRCUITS THAT SUPPLY 120-V. SHINGLE PHASE, 15 & 20 AMP OUTLETS INSTALLED IN:
 - BEDROOMS, SUNROOMS, REC ROOMS, CLOSETTS, HALLWAYS, & SIM. ROOMS SHALL BE PROTECTED BY A COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER.
 - ALL 15 & 20 A RECEPT. SHALL BE LISTED TAMPER-RESISTANT.
 - EXCEPTION: RECEPTACLES IN THE FOLLOWING LOCATIONS SHALL NOT BE REQUIRED TAMPER-RESISTANT:
 - RECEPTACLES LOCATED MORE THAN 5.5 FEET APT.
 - WHERE SUCH RECEPTACLES ARE LOCATED IN SPACES DEDICATED FOR THE APPLIANCE SERVED & UNDER CONDITIONS OF NORMAL USE, THE APPLIANCE ARE NOT EASILY MOVED. APPLIANCES TO BE CORN-PLUG CONNECTED TO RECEPT.
- EXTERIOR WALL FRAMING**
- BOTTOM SILL PLATES SHALL BE PRESSURE TREATED OR EQUAL.
 - SILL PLATES SHALL BEARINGED 6 INCHES ABOVE GRADE.
 - ALL EXT. STUDS TO BE SECURED TO THEIR DOUBLE TOP PLATES W/ (2) 16d NAILS (MIN).
 - ALL EXTERIOR CORNERS TO BE BRACED WITH 7/16" OSB NAILING SCHEDULE SHALL BE 6" COMMON @ 9" O.C. ALONG EDGES & 8" COMMON @ 12" O.C. @ INTERMEDIATE STUDS.
- ROOF FRAMING**
- ALL ROOF EAVESOVERHANGS TO BE 16" UNDO.
 - ALL JOISTS & RAFTERS TO BE ALIGNED OVER SLDS.
 - ROOF SHEATHING SHALL BE 7/16" OSB LAD W/ LONG DIMENSION PERPENDICULAR TO DAVE LINE & STAGGERED 48" O.C. W/ LONG DIMENSION PERPENDICULAR TO DAVE LINE & STAGGERED 48" O.C. W/ GALLY SPACER CLIPS ALONG ALL EDGES. SECURE SHEATHING W/ 6" COMMON NAILS TO RAFTERS AT 9" O.C. ALL EDGES.
- UNFINISHED BASEMENT REQUIREMENTS**
- FIRE PROTECTION OF FLOORS: FLOOR ASSEMBLIES CONSTRUCTED W/ JOISTS LESS THAN 2X10 DIMENSIONAL LUMBER.
 - JOISTS OR OPEN WEB JOISTS OVER UNFINISHED BASEMENTS SHALL BE PROVIDED WITH 5/8" GWB.
 - UNFINISHED BASEMENTS SHALL BE MIN. R-13 INSULATED WALL OR INSULATED ON FLOOR/CEILING (MIN R-19).
 - ALL EXPOSED HVAC DUCTING IN UNFINISHED BASEMENTS TO BE MIN R-8 INSULATED OR ENCLOSED INSIDE A FLOOR/CEILING.
 - UNFINISHED BASEMENTS SHALL HAVE NO CONDITIONED AIR OUTLETS.
- EROSION CONTROL**
- EROSION CONTROL MEASURES SHALL BE IN PLACE & IN GOOD WORKING ORDER AT ALL TIMES DURING INSPECTIONS. IN THE EVENT THAT THEY ARE NOT, THE INSPECTOR MAY CANCEL THE INSPECTION UNTIL SUCH TIME THE EROSION CONTROL MEASURES ARE IN PLACE. A FINE, RE-INSPECTION FEE & STOP-WORK ORDER MAY BE ISSUED IF EROSION CONTROL IS NOT ADDRESSED. MINIMUMS INCLUDE:
 - SILT FENCE OR STRAW BATTLE AROUND ALL DISTURBED SOIL. SHALL BE IN PLACE BEFORE ANY EXCAVATION BEGINS.
 - TEMPORARY GRAVEL CONSTRUCTION ENTRANCE. THIS ENTRANCE SHOULD BE THE ONLY ENTRANCE & EXIT USED FOR VEHICLES INTO & OUT OF THE SITE.
 - STREETS SHALL BE MAINTAINED FREE OF ALL SOIL & GRAVEL IN A BROOM CLEAN CONDITION AT ALL TIMES.
- WOOD FRAMING, FLOORS AND ROOF NOTES:**
- EXT. WALL FRAMING TO BE 2 x 4 (SYP OR DFL STUD GRADE 2 OR BETTER) @ 16" O.C.
 - ROOF SHEATHING TO BE 7/16" OSB NAILED W/ 8d @ 6" O.C. PANEL INDEX 240; PROVIDE CLIPS AT UNSUPPORTED PANEL EDGES.
 - SHEATH EXT. WALLS W/ 7/16" OSB NAILED W/ 8d @ 6" O.C.
 - HEADERS: PROVIDE (2) 2 x 4 (SYP OR DFL #2 OR BETTER) UNDO. CONSTRUCT HEADERS W/ 2 x 3 & 7/16" OSB BETWEEN W/ (2) ROWS OF 16d @ 16" O.C.
 - BLOCKING MIN. 1.5 INCHES UTILITY GRADE LUMBER. JOISTS TO BE SUPPORTED AT ENDS FULL DEPTH SOLID BLOCKING NOT < 2 INCHES.
 - 7.1 J. I. C. & RAFTERS TO BE SYP OR DFL GRADE #2 OR BETTER.
 - EXT. WALL STUDS & LOAD BEARING WALLS TO BE CONTINUOUS FROM FLOOR TO ROOF/CEILING DIAPHRAGM PER IRC 602.3.
 - STUDS, RAFTERS JOISTS, MS. LUMBER MIN. GRADE #2 D.F. OR S.Y.P.
- PHYSICAL SECURITY ORDINANCE**
- OWNER/BUILDER IS RESPONSIBLE FOR COMPLIANCE OF PHYSICAL SECURITY ORDINANCE FOR THEIR LOCAL JURISDICTION.



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

1 Main Level Floor Plan
1/4" = 1'-0"

REVISIONS

Number	DESCRIPTION	DATE
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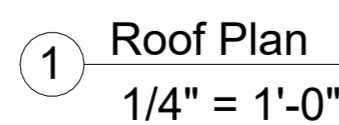
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Floor Plan - Roof Plan (Modern)

10/5/2024
11:12:02 AM

A701.1

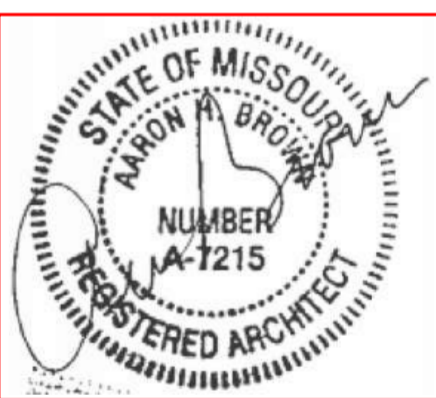
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SOMERSET MASTER PLAN

architect:
Elevate Design + Build
350 SW Longview Blvd
Lee's Summit, MO 64081
816.622.8826 voice
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OCTOBER 9, 2024

REVISIONS

Number	DESCRIPTION	DATE
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PROJECT
Lot : **HF 198**
Address : **2226 SW Crown Drive, LSMO**

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Details

DATE ISSUED

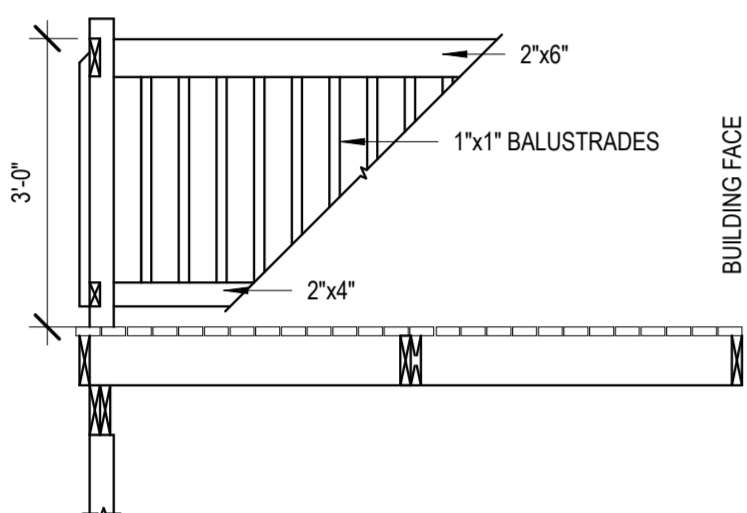
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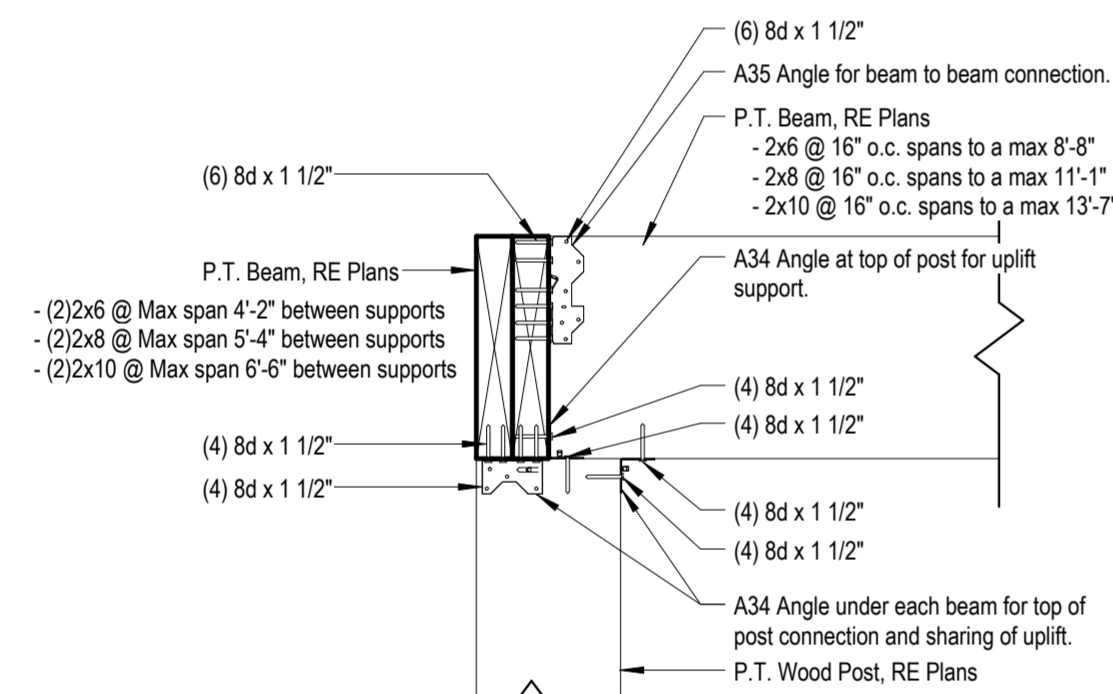
12/13/2024

RAFTER SIZE	R-30C INSULATION ("x" = 9 1/4")	R-38C INSULATION ("x" = 11 1/4")
2x6	2x6	2x6
2x8	2x4	2x6
2x10	NOT REQUIRED	2x4
2x12	NOT REQUIRED	NOT REQUIRED

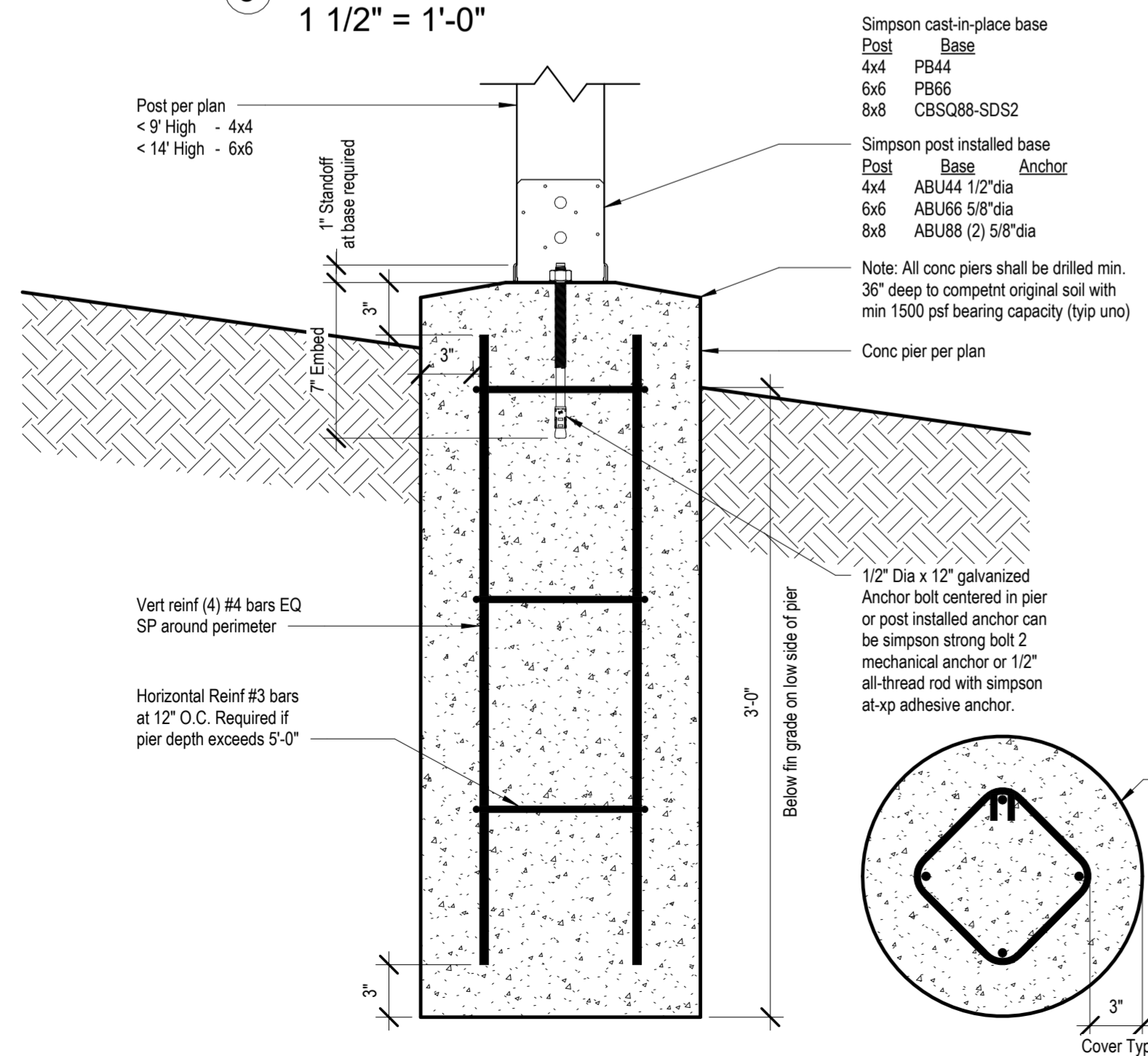
13 Rafter Furr Down Requirments
1" = 1'-0"



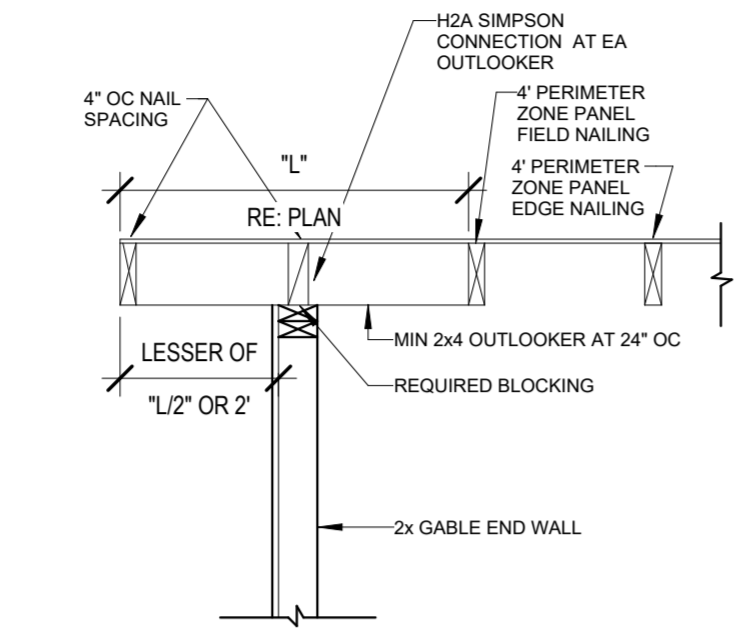
11 Deck Railing
1/2" = 1'-0"



5 Post to Beam Connection
1 1/2" = 1'-0"

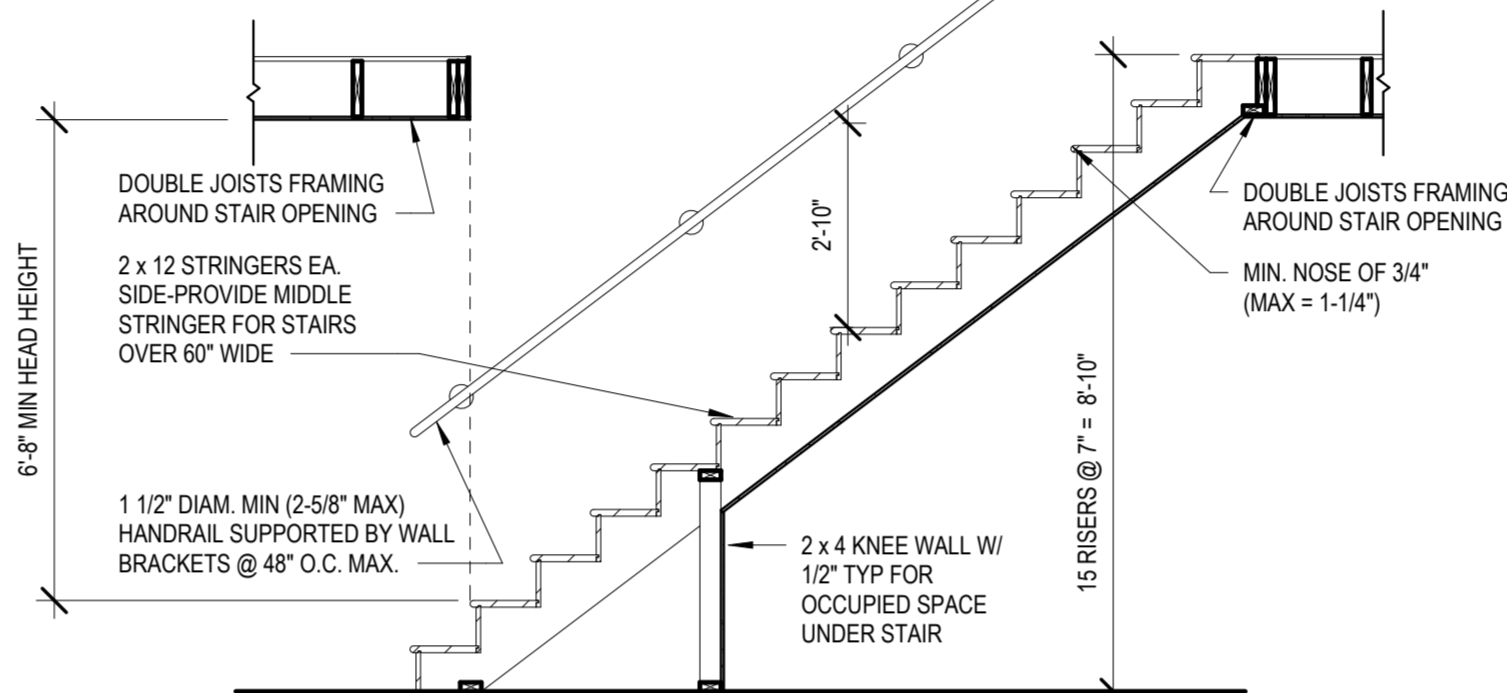


6 Typ Details for Post/Pier
1 1/2" = 1'-0"

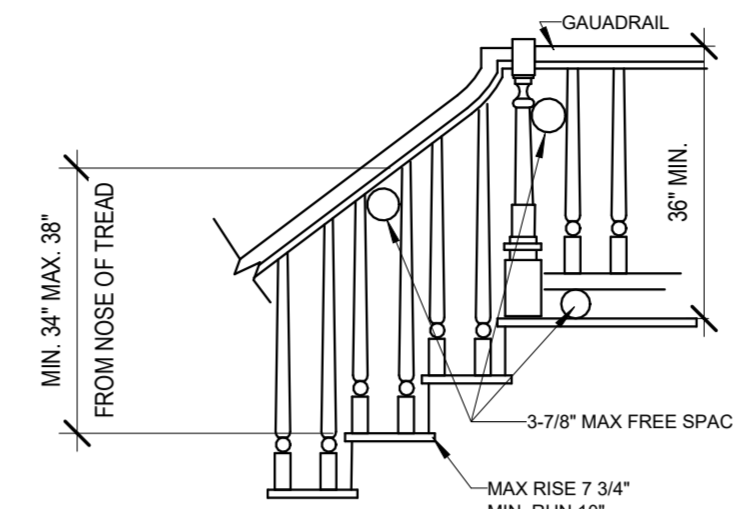


12 Gable Framing Requirments
1" = 1'-0"

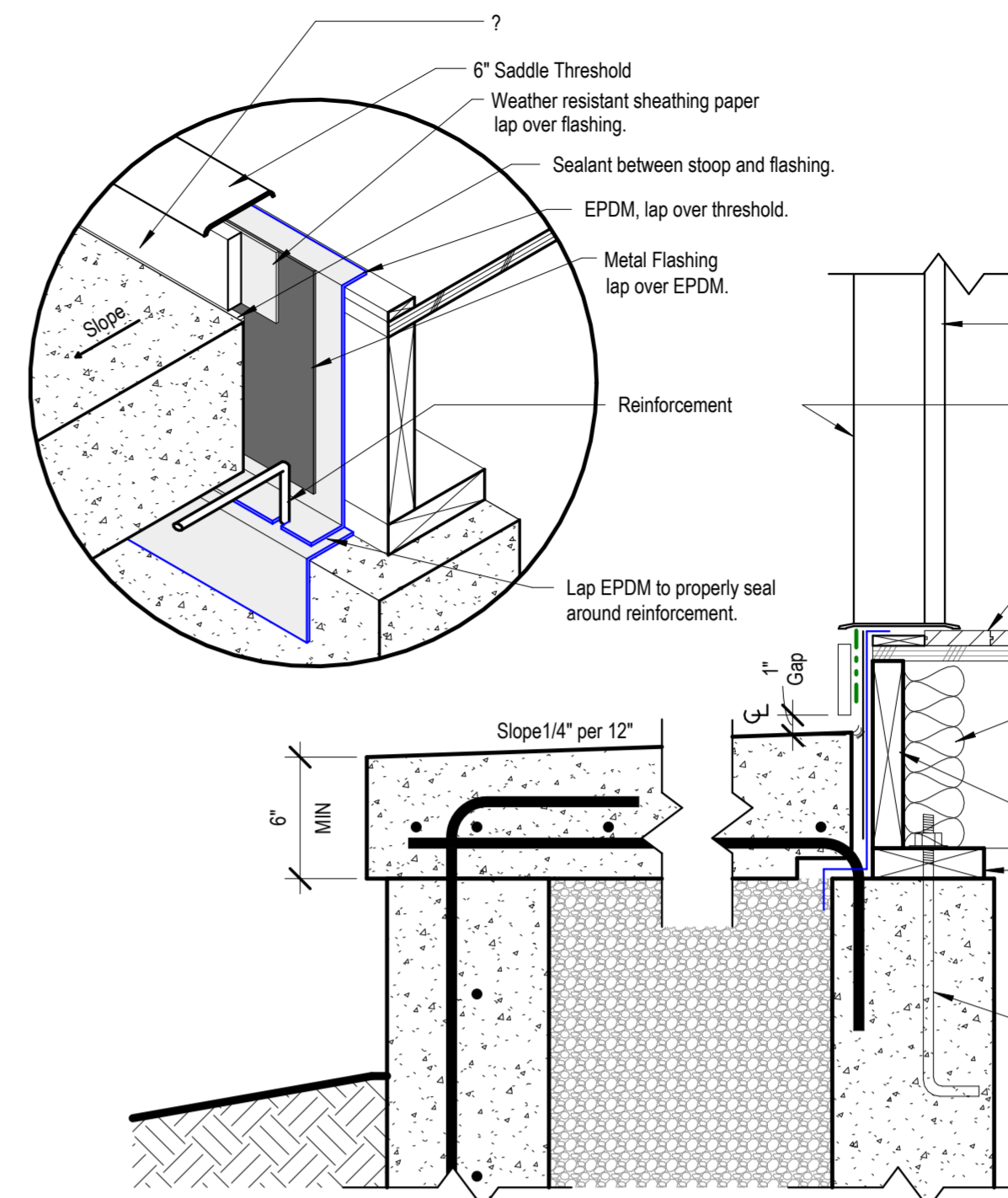
PER IRC: THE MAX. RISE ALLOWED IS 7.75 INCHES AND THE MIN TEAD IS 10 INCHES MEASURED NOSE TO NOSE



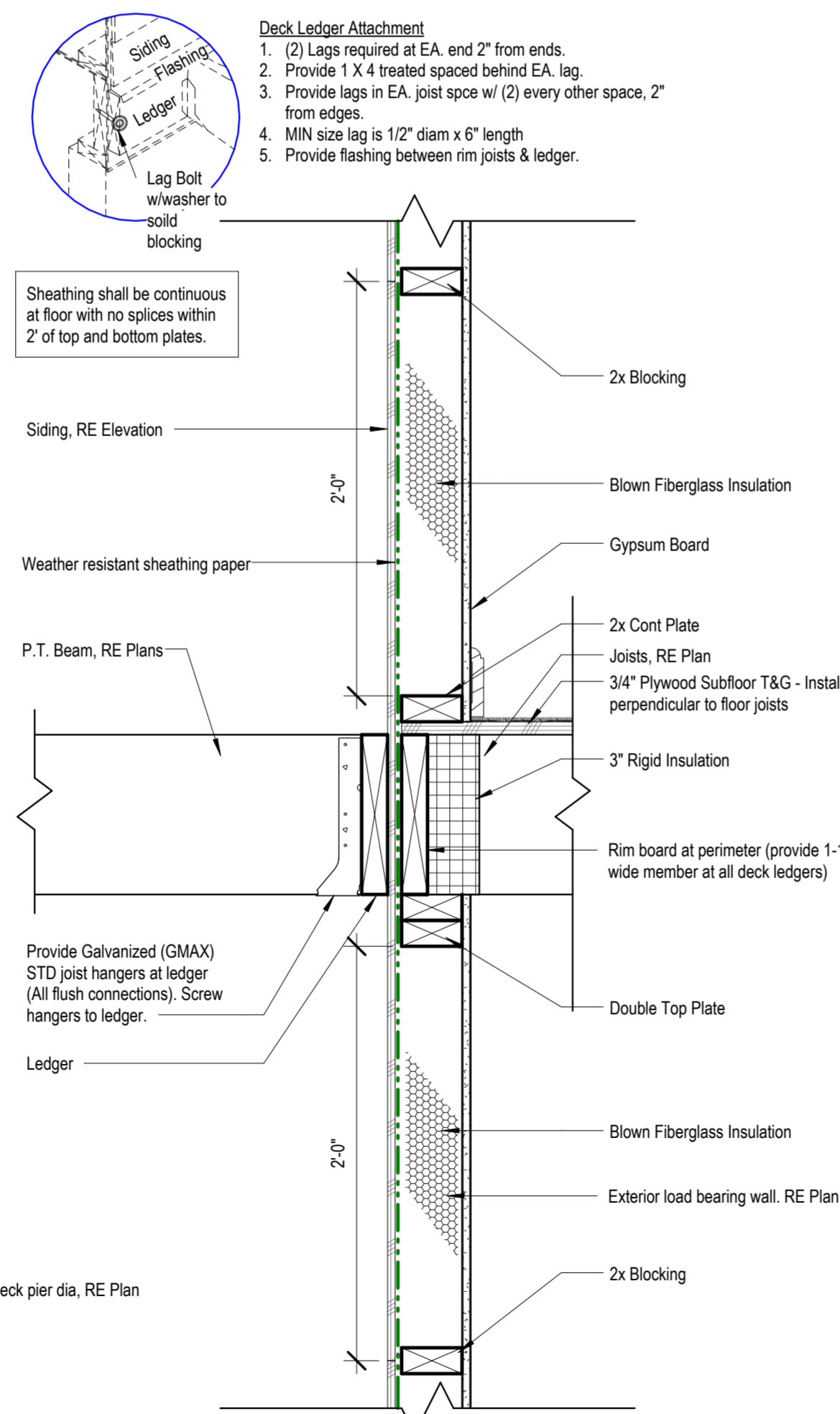
1 TYP STAIR SECTION/REQUIREMENTS
3/8" = 1'-0"



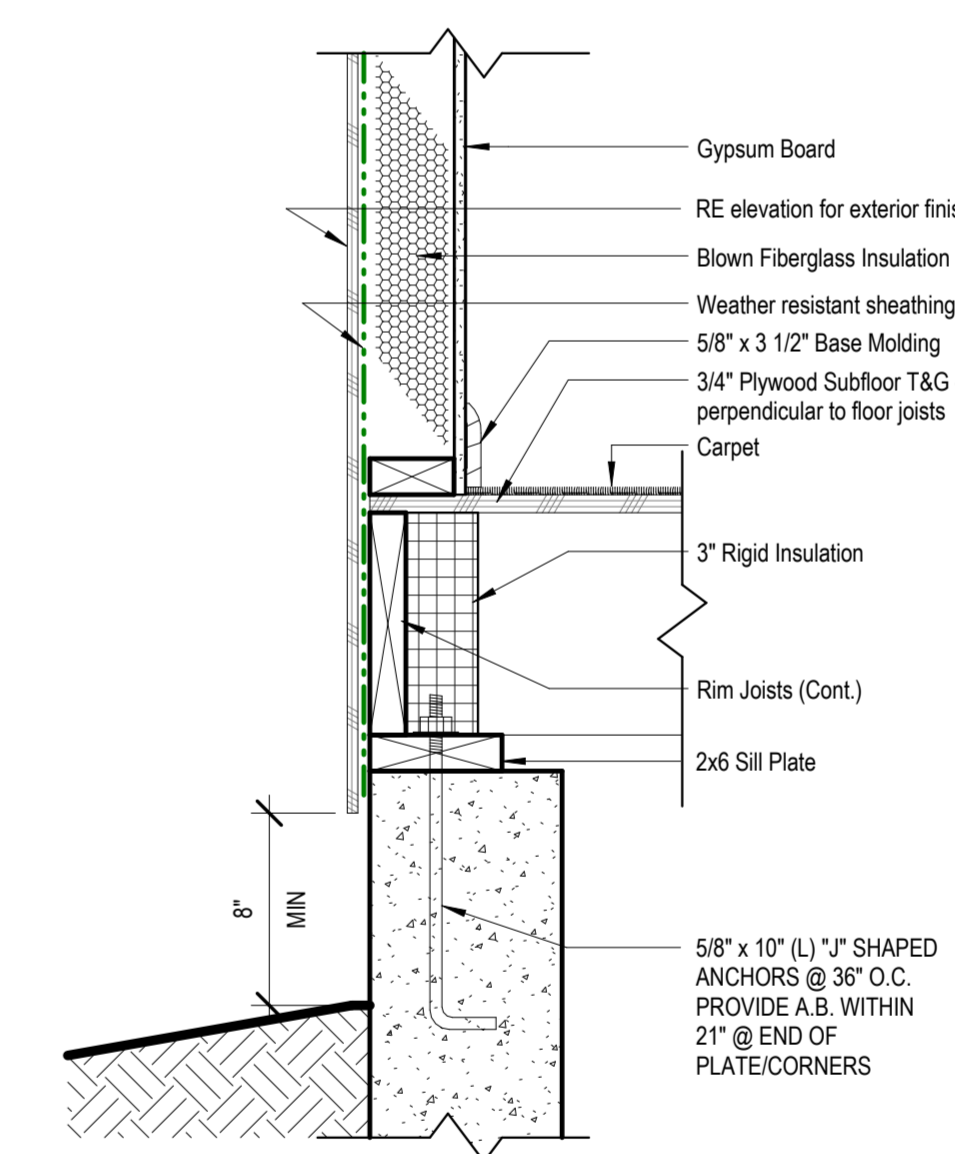
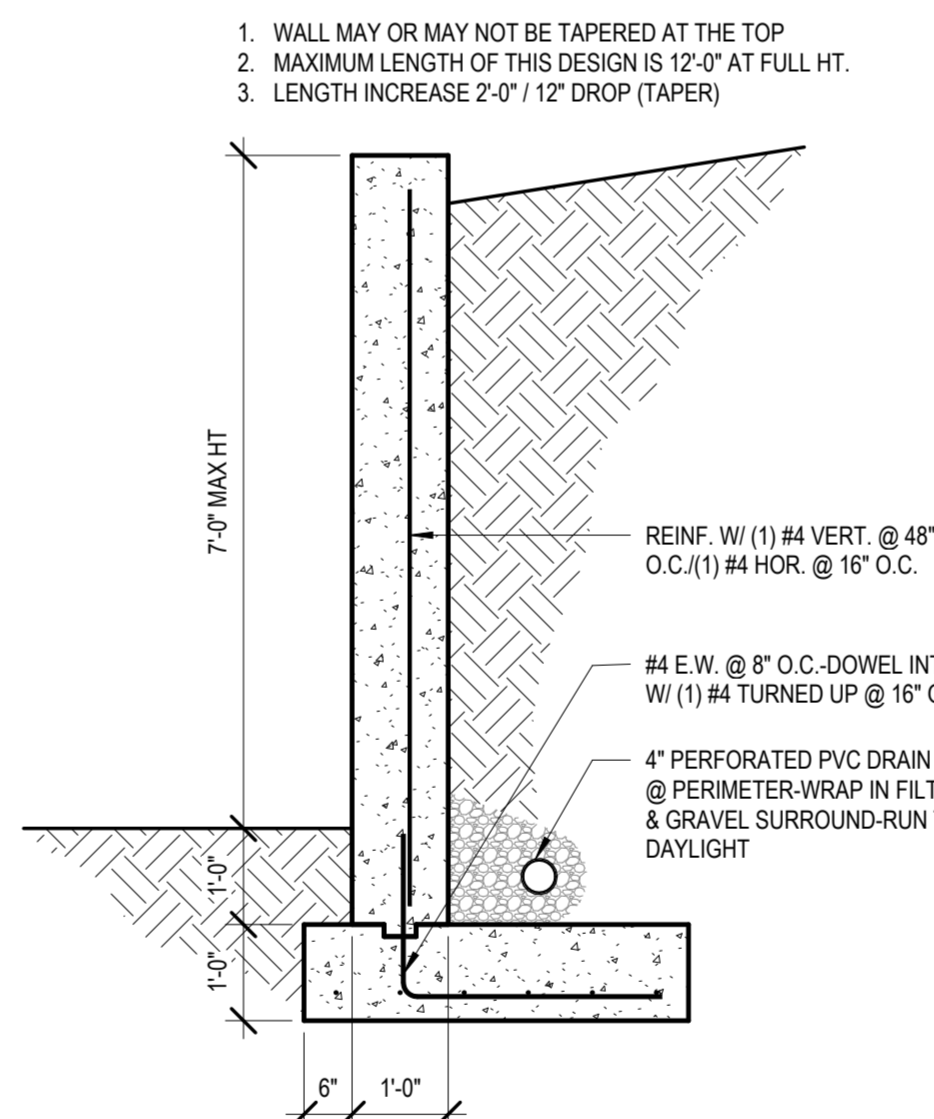
2 SMARTSIDE PANEL NAILING PATTERN
3" = 1'-0"



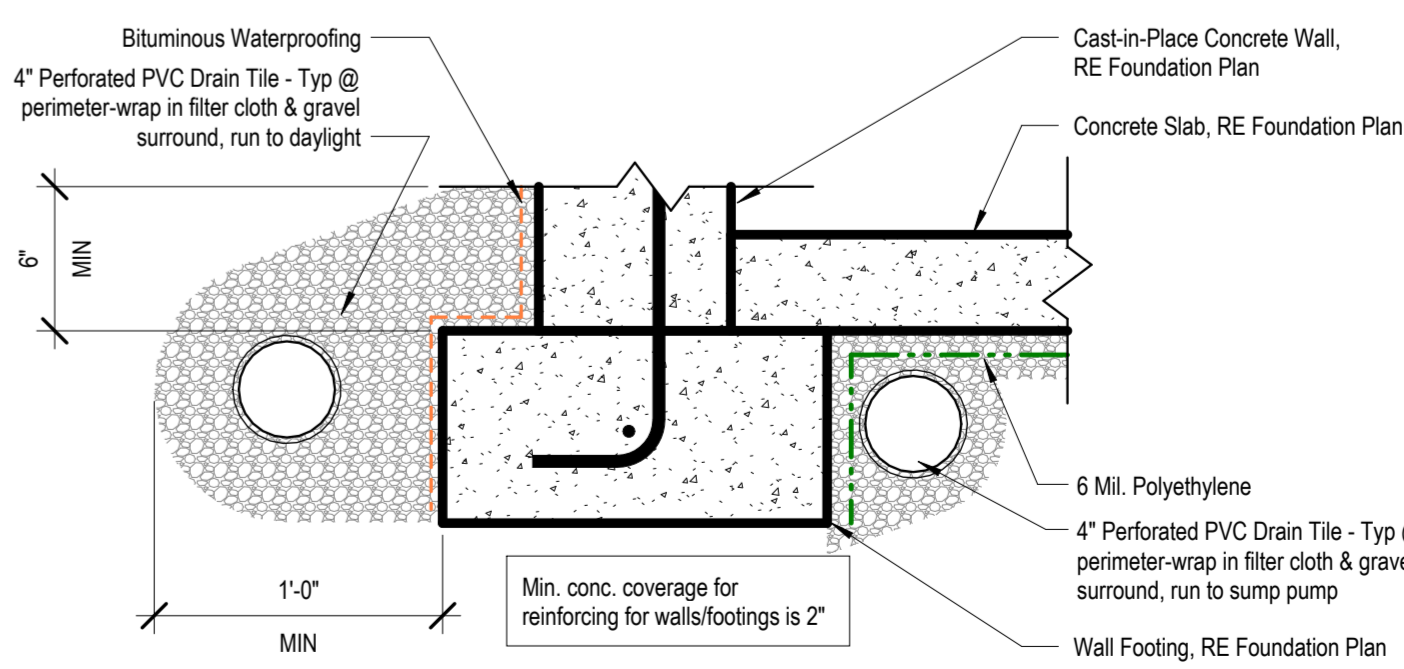
9 Detail - Front Stoop
1 1/2" = 1'-0"



3 RETAINING WALL DESIGN
1/2" = 1'-0"



4 Detail - Top of Foundation Wall
1 1/2" = 1'-0"



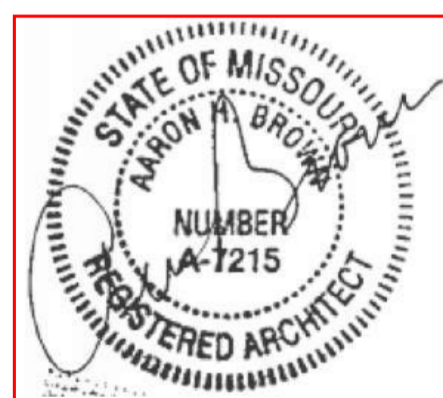
8 Detail - Footing
1 1/2" = 1'-0"

7 Lateral Deck Connection
1 1/2" = 1'-0"

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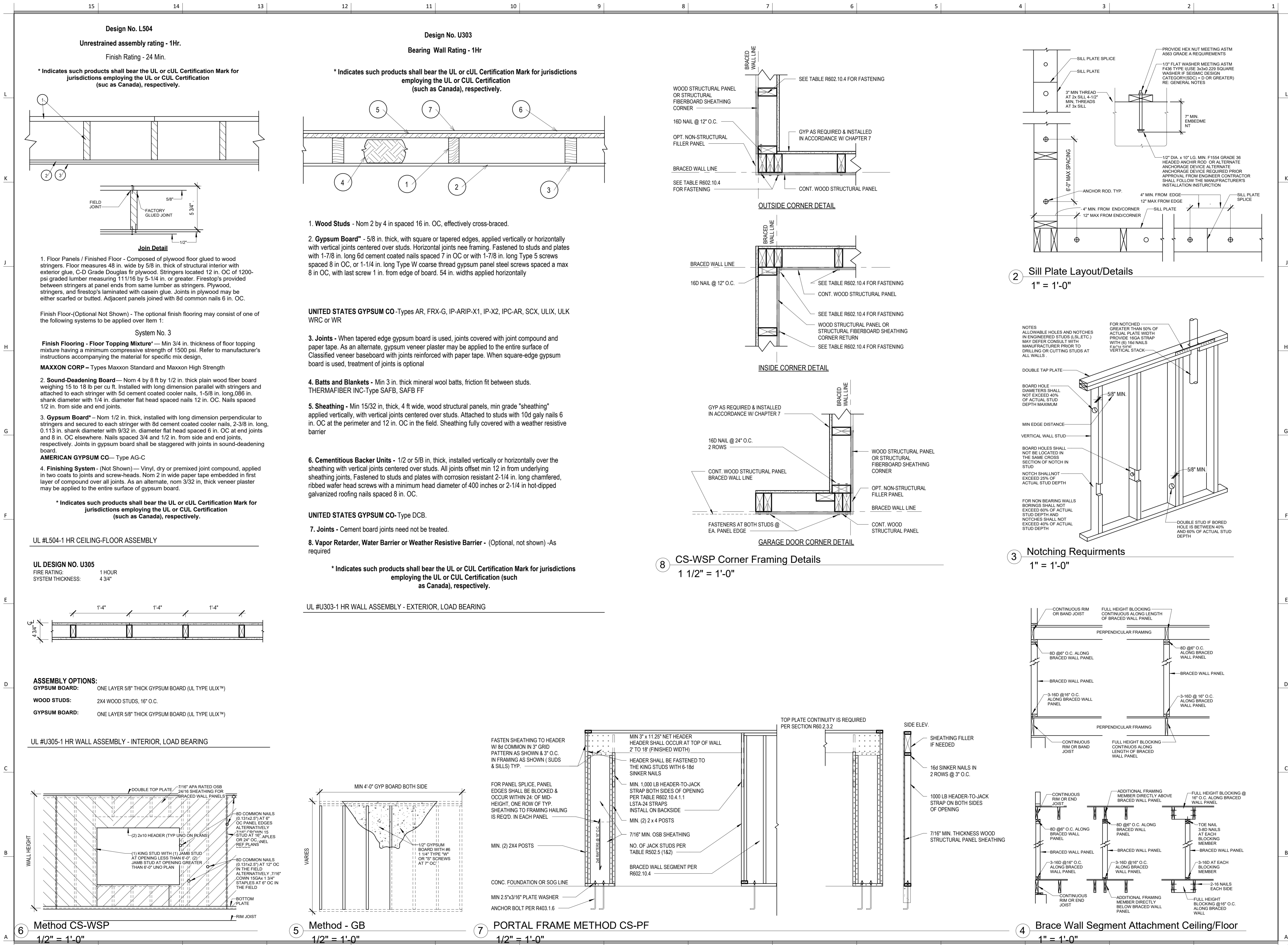
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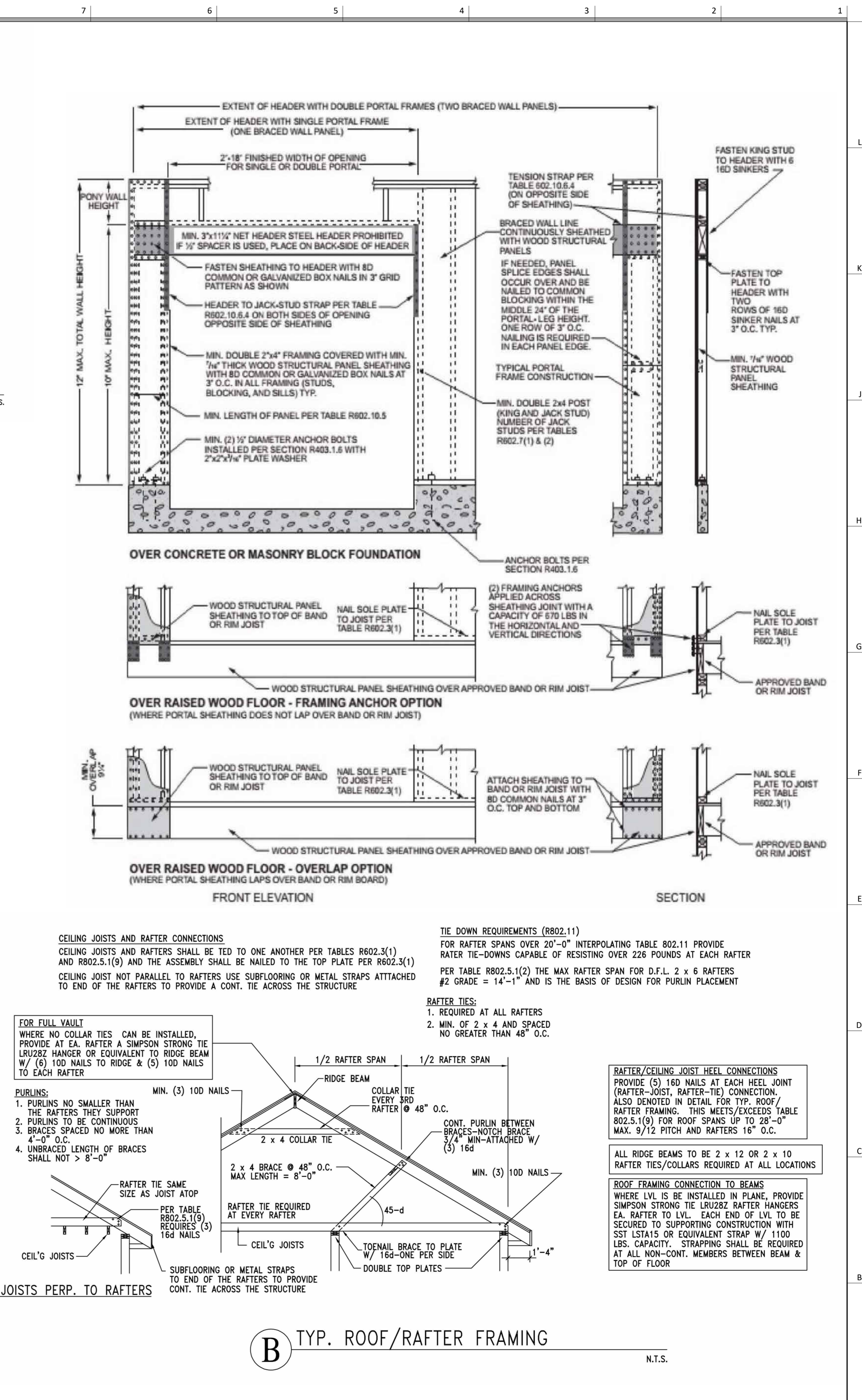
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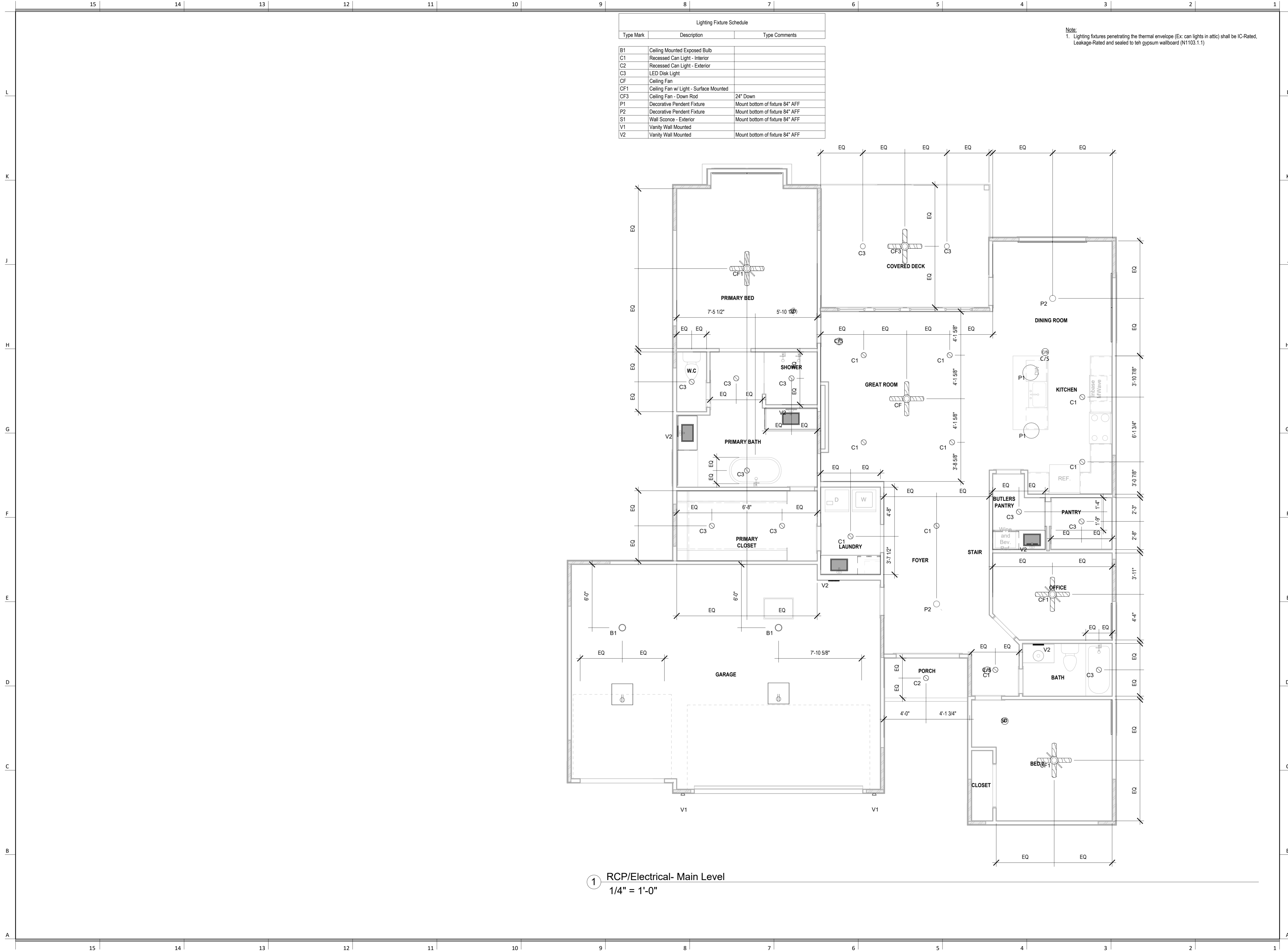
A902

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Address : **2226 SW Crown Drive, LSMO**

DRAWING TITLE
RCP/Electrical Main Level Plan

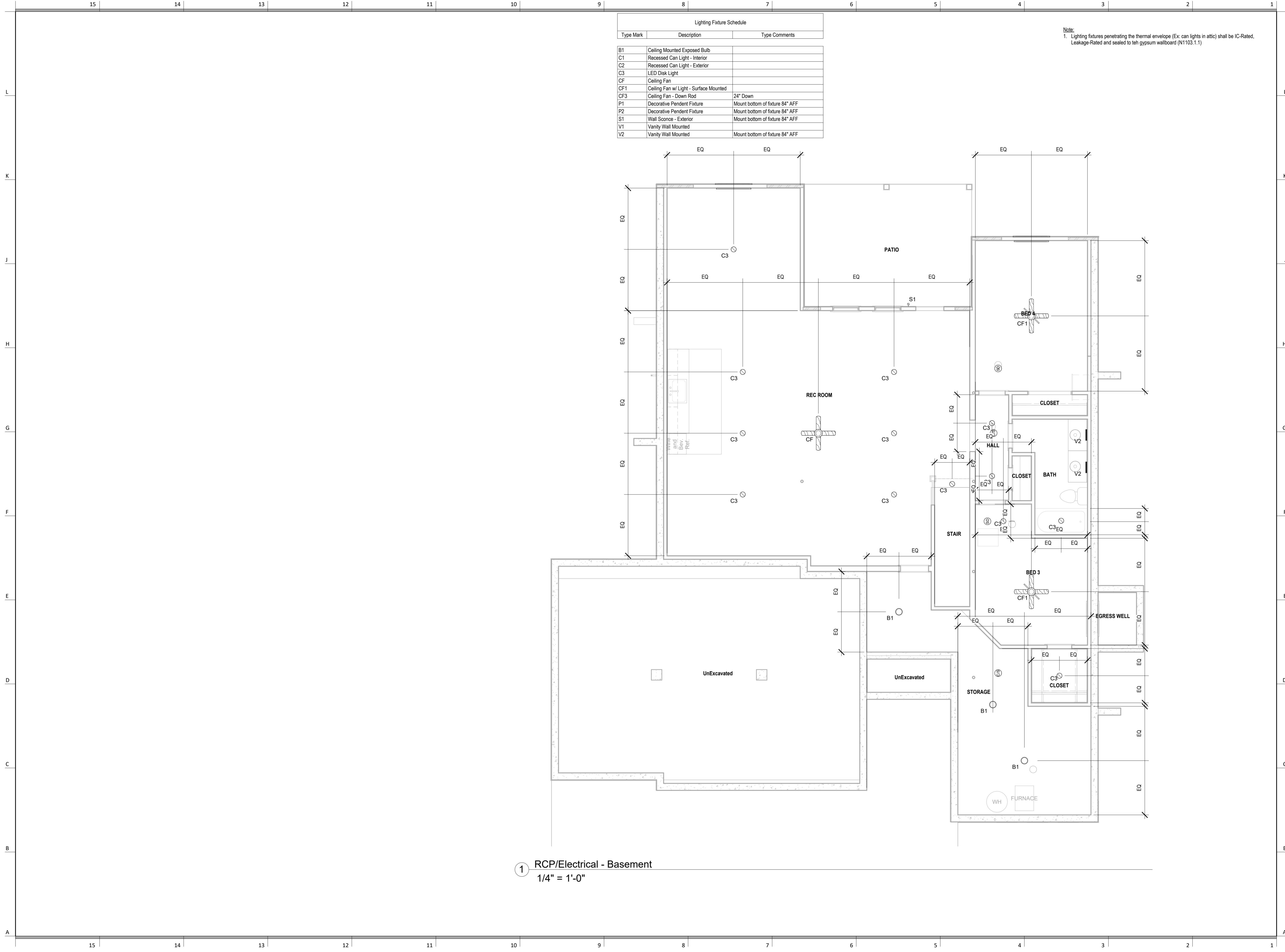
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NORTH



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Number	DESCRIPTION	DATE

PROJECT
Lot : HF 198
Address : 2226 SW Crown Drive, LSMO

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RCP/Electrical Plan

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E201

1 RCP/Electrical - Basement
1/4" = 1'-0"