



The Tanglewood

GENERAL NOTES:

- ALL KITCHEN AND UTILITY COUNTERTOPS ARE SHOWN AS 2'-0" WIDE UNLESS STATED OTHERWISE.
- ALL BATHROOM LAVATORY COUNTERTOPS SHOWN AS 1'-10" WIDE.
- ATTIC SPACES MUST PROVIDE 1 SQ. FT. VENTILATION PER 150 SQ. FT. OF AREA UNLESS CONDITIONED SPACE. (ATTICS R.906)
- ALL INTERIOR DIMENSIONS ARE FROM STUD FACE TO STUD FACE.
- ALL INTERIOR WALL THICKNESS SHOWN AS 4" UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE COMMENCING WORK.
- GUARDS AND RAILINGS SHALL COMPLY WITH IRC 2018, R312.1.1 AND R312.1.2. INSECT SCREENING SHALL NOT BE CONSIDERED AS A FINISH.
- THE CONTRACTOR ASSUMES LIABILITY FOR ANY MODIFICATIONS MADE TO THE LAYOUT OF THIS PLAN.
- ALL WOOD FRAMING SHALL BE NO. 2 GRADE - SOUTHERN PINE LUMBER. ALL CEILING JOISTS SPANS ARE BASED ON TABLE R302.5.1 (2) OF THE I.R.C. 2018 AND ARE DESIGNED FOR ATTICS WITH LIMITED STORAGE. (REFER TO FOUNDATION SHEET FOR SPANS)
- RE: SEC. 308 GLAZING IN HAZARDOUS LOCATIONS & TEMPERED GLASS FOR WINDOWS THAT ARE WITHIN 24" OF THE DOOR IN THE CLOSED POSITION PROVIDING THE WINDOW IS LESS THAN 60" ABOVE THE FLOOR. (R308 I.R.C. 2018)
- MASONRY VENEER SHALL BE ANCHORED TO THE SUPPORTING WALL WITH CORROSION-RESISTANT METAL TIES SPACED NOT MORE THAN 32" ON CENTER HORIZONTALLY AND 24" ON CENTER VERTICALLY AND SHALL SUPPORT NOT MORE THAN 2.67 SQ. FEET OF WALL PER SECTION R709.9.4.1
- VENT HOOD IN KITCHEN MUST VENT TO THE OUTSIDE. MICROWAVE HOODS MUST VENT TO THE OUTSIDE WHERE APPLICABLE.
- DRYER VENT MUST HAVE MAX LENGTH 25'
- ALL RETURN AIR GRILLS ARE TO BE LOCATED TO COMPLY WITH SECTION M1602 OF THE IRC 2018.

WIND ZONE NOTES

- VERIFY WINDOW CODE REQUIREMENTS AT EACH BUILDING LOCATION, AND INSTALL WINDOWS AS PER CODE. REQUIREMENTS WILL VARY FROM DOUBLE INSULATED VINYL TO IMPACT RESISTANT DOUBLE INSULATED VINYL WINDOWS.
- ALL WINDOWS SHALL COMPLY WITH THE GOVERNING IRC/IBC. WINDOWS SHALL BE SELECTED BASED UPON THE COMPONENT AND CLADDING DESIGN PRESSURES.
- CONTRACTOR RESPONSIBLE FOR ANCHORAGE OF BOTTOM PLATE AND WALL STUDS TO FOUNDATION IN COMPLIANCE WITH THE GOVERNING EDITION OF IRC/IBC 1609. SEE TABLE R301.2.1.2 OF IRC 2018.

HEADER SPANS FOR LOAD BEARING WALLS:

SINGLE STORY:

- 2 PLY 2X6" 4'-2" MAX
- 2 PLY 2X8" 5'-4" MAX
- 2 PLY 2X10" 7'-6" MAX

2 STORY:

- 2 PLY 2X6" 3'X1" MAX
- 2 PLY 2X8" 4'X6" MAX
- 2 PLY 2X10" 6'X2" MAX

- 2 PLY 2X6 HEADERS FOR ALL NON-LOAD BEARING WALLS
- OSB BETWEEN ALL HEADER PLIES
- NO BOXED HEADERS

REFER TO IRC R502.5 (1) AND (2) FOR ADDITIONAL HEADER AND GIRDER SPANS

NOTE:

ROOF OVERHANGS ON NEW CONSTRUCTION TYPICAL 12" FROM FACE OF STUD UNLESS OTHERWISE NOTED.

GENERAL CONTRACTOR TO PROVIDE ADEQUATE ROOF VENTILATION BUILDING SYSTEMS PER IRC CODE (SECTION R306). SYSTEMS TO BE USED TO MEET ROOF VENTILATION REQUIREMENTS ARE AS FOLLOWS: CONTINUOUS RIDGE VENTS, POWER VENTS, BOX VENTS AND GABLE/DORMER VENTS WHEN APPROVED BY OWNER.

SOFFIT VENTS TO BE USED ONLY IN ACCORDANCE W/ IRC CODE (SECTION R302 AND TABLE R302.1) TO ACCOMMODATE APPROPRIATE FIRE SEPARATION DISTANCES.

GENERAL MATERIALS:

- EXTERIOR WALLS:
 - BRICK VENEER
 - REINFORCED CEMENTITIOUS SIDING
 - "TYVEK" BUILDING WRAP
 - 1/2" O.S.B. SHEATHING
 - R-15 BATT INSULATION
 - 2X4 STUDS @ 1'-4" O.C. (UNLESS NOTED)
 - 1/2" GYPSUM BOARD INTERIOR
- INTERIOR WALLS:
 - 2X4 STUDS @ 1'-4" O.C.
 - 1/2" GYPSUM BOARD ON BOTH SIDES
- CEILING:
 - 2X JOISTS @ 1'-4" O.C.
 - R-8 INSULATION
 - 1/2" GYPSUM BOARD
- ROOF SYSTEM:
 - 30 YEAR FIBERGLASS SHINGLES
 - 1/2" O.S.B. OR CDX FLYWOOD
 - STANDING SEAM METAL ROOF
 - 15 FELT
 - 2X6 RAFTERS @ 20" O.C. (CONFIRM W/ LOCAL CODE)

NOTE: ALL ROOFING PRODUCTS, MATERIALS AND INSTALLATION, SHALL COMPLY WITH THE REQUIREMENTS UNLESS CHANGED BY GENERAL CONTRACTOR AT OWN DISCRETION.

PROTECTION AGAINST TERMITES:

- SUBTERRANEAN TERMITE CONTROL. IN AREAS FAVORABLE TO TERMITE DAMAGE METHODS OF PROTECTION SHALL BE BY CHEMICAL SOIL TREATMENT, PRESSURE-TREATED WOOD, NATURALLY TERMITE RESISTANT WOOD OR PHYSICAL BARRIERS (SUCH AS METAL OR PLASTIC TERMITE SHIELDS), OR ANY COMBINATION OF THESE METHODS.
- CHEMICAL SOIL TREATMENT. THE CONCENTRATION, RATE OF APPLICATION AND TREATMENT METHOD OF THE TERMITICIDE LABEL.
- PRESSURE-TREATED AND NATURALLY RESISTANT WOOD. HEARTWOOD OF REDWOOD AND EASTERN RED CEDAR SHALL BE CONSIDERED TERMITE RESISTANT. PRESSURE-TREATED WOOD AND NATURALLY TERMITE RESISTANT WOOD SHALL NOT BE USED AS A PHYSICAL BARRIER UNLESS A BARRIER CAN BE INSPECTED FOR ANY TERMITE SHELTER TUBES AROUND THE INSIDE AND OUTSIDE EDGES AND JOINTS OF A BARRIER.
- FIELD TREATMENT. FIELD CUT ENDS, NOTCHES, AND DRILLED HOLES OF PRESSURE-TREATED WOOD SHALL BE RETREATED IN THE FIELD ACCORDING TO ANPA M4 AS PER IRC 2018, R310.1.2

WINDOW EGRESS NOTES

- R311 - MEANS OF EGRESS DWELLINGS SHALL BE PROVIDED WITH A MEANS OF EGRESS IN ACCORDANCE WITH THIS SECTION. THE MEANS OF EGRESS SHALL PROVIDE A CONTINUOUS AND UNOBSTRUCTED PATH OF VERTICAL AND HORIZONTAL EGRESS TRAVEL FROM ALL PORTIONS OF THE DWELLING TO THE REQUIRED EGRESS DOOR WITHOUT REQUIRING TRAVEL THROUGH A GARAGE. THE REQUIRED EGRESS DOOR SHALL OPEN DIRECTLY INTO A PUBLIC WAY OR TO A YARD OR COURT THAT OPENS TO A PUBLIC WAY.
- R310.2.1 - MINIMUM OPENING AREA. EMERGENCY AND ESCAPE RESCUE OPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5.7 SQUARE FEET (0.530 M²). THE NET CLEAR OPENING DIMENSIONS REQUIRED BY THIS SECTION SHALL BE OBTAINED BY THE NORMAL OPERATION OF THE EMERGENCY ESCAPE AND RESCUE OPENING FROM THE INSIDE. THE NET CLEAR HEIGHT OPENING SHALL BE NOT LESS THAN 24 INCHES (610 MM) AND THE NET CLEAR WIDTH SHALL BE NOT LESS THAN 20 INCHES (508 MM). EXCEPTION: GRADE FLOOR OR BELOW GRADE OPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5 SQUARE FEET (0.465 M²).
- R310.2.2 - WINDOW SILL HEIGHT. WHERE A WINDOW IS PROVIDED AS THE EMERGENCY ESCAPE AND RESCUE OPENING, IT SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES (1118 MM) ABOVE THE FLOOR, WHERE THE SILL HEIGHT IS BELOW GRADE, IT SHALL BE PROVIDED WITH A WINDOW WELL IN ACCORDANCE WITH SECTION R310.2.3.
- R310.2.3 - WINDOW WELLS. THE HORIZONTAL AREA OF THE WINDOW WELL SHALL BE NOT LESS THAN 9 SQUARE FEET (0.9 M²) WITH A HORIZONTAL PROJECTION AND WIDTH OF NOT LESS THAN 36 INCHES (914 MM). THE AREA OF THE WINDOW WELL SHALL ALLOW THE EMERGENCY ESCAPE AND RESCUE OPENING TO BE FULLY OPENED. EXCEPTION: THE LADDER OR STEPS REQUIRED BY SECTION R310.2.3.1 SHALL BE PERMITTED TO ENOUGH NOT MORE THAN 6 INCHES (152 MM) INTO THE REQUIRED DIMENSIONS OF THE WINDOW WELL.
- R310.2.3.1 - LADDER AND STEPS. WINDOW WELLS WITH A VERTICAL DEPTH GREATER THAN 44 INCHES (1118 MM) SHALL BE EQUIPPED WITH A PERMANENTLY AFFIXED LADDER OR STEPS USABLE WITH THE WINDOW IN THE FULLY OPEN POSITION. LADDERS OR STEPS REQUIRED BY THIS SECTION SHALL NOT BE REQUIRED TO COMPLY WITH SECTIONS R311.7 AND R311.8. LADDERS OR RUNGS SHALL HAVE AN INSIDE WIDTH OF NOT LESS THAN 12 INCHES (305 MM). SHALL PROJECT NOT LESS THAN 3 INCHES (76 MM) FROM THE WALL AND SHALL BE SPACED NOT MORE THAN 18 INCHES (457 MM) ON CENTER VERTICALLY FOR THE FULL HEIGHT OF THE WINDOW WELL.
- R312.2 - WINDOW FALL PROTECTION. WINDOW FALL PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS R312.2.1 AND R312.2.2.
- R312.2.1 - WINDOW SILLS. IN DWELLING UNITS, WHERE THE TOP OF THE SILL OF AN OPERABLE WINDOW OPENING IS LOCATED LESS THAN 24 INCHES (610 MM) ABOVE THE FINISHED FLOOR AND GREATER THAN 12 INCHES (1829 MM) ABOVE THE FINISHED GRADE OR OTHER SURFACE BELOW ON THE EXTERIOR OF THE BUILDING, THE OPERABLE WINDOW SHALL COMPLY WITH ONE OF THE FOLLOWING:
 - OPERABLE WINDOWS WITH OPENINGS THAT WILL NOT ALLOW A 4-INCH-DIAMETER (102 MM) SPHERE TO PASS THROUGH THE OPENING WHERE THE OPENING IS IN ITS LARGEST OPENED POSITION.
 - OPERABLE WINDOWS THAT ARE PROVIDED WITH WINDOW FALL PREVENTION DEVICES THAT COMPLY WITH ASTM F 2090.
 - OPERABLE WINDOWS THAT ARE PROVIDED WITH WINDOW OPENING CONTROL DEVICES THAT COMPLY WITH SECTION R312.2.2.
 - R312.2.2 - WINDOW OPENING CONTROL DEVICES. WINDOW OPENING CONTROL DEVICES SHALL COMPLY WITH ASTM F 2090. THE WINDOW OPENING CONTROL DEVICE ALLOWING THE WINDOW TO FULLY OPEN SHALL NOT REDUCE THE NET CLEAR OPENING AREA OF THE WINDOW UNIT TO LESS THAN THE AREA REQUIRED BY SECTION R310.2.1.

CODE DISCLAIMER:

- THESE PLANS WERE DESIGNED TO MEET IRC 2018 AT THE TIME OF THEIR CREATION AND MORE SPECIFICALLY THE MINIMAL LOCAL CODES OF THE SOUTH LOUISIANA AREA. IT IS HIGHLY RECOMMENDED THAT THESE PLANS BE REVIEWED BY A LOCAL STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
- BEAMS AND FLOOR JOISTS ARE NOT SIZED DUE TO THE MANY GEOGRAPHIC LOCATIONS THESE PLANS ARE SOLD. THESE ITEMS SHALL BE SIZED BY A LOCAL ENGINEER OR MANUFACTURER.
- ALL CEILING & FLOOR JOISTS (IF CONVENTIONAL FRAMING) SHOULD BE SIZED USING THE LATEST VERSION OF THE IRC OR APPLICABLE CODES AT SITE TO MEET THE LOCAL REQUIREMENTS SUCH AS SNOW LOADS AND OTHER FACTORS. THE CEILING JOIST SIZES LABELED (IF PRESENT) WERE SIZED USING THE 2018 IRC AT THE TIME OF THEIR CREATION. THEY MUST BE VERIFIED AND MODIFIED AS REQUIRED TO MEET THE LATEST EDITION OF THE (IRC) INTERNATIONAL RESIDENTIAL CODE.
- ALL FOUNDATION AND FOOTING DETAILS SHALL BE REVIEWED AND APPROVED BY A LOCAL ENGINEER.
- CONTRACTOR SHALL PROVIDE ALL HIGH WIND STRAPPING AND ANCHOR BOLTS AS REQUIRED BY THE LOCAL CODE REQUIREMENTS AND THE LATEST VERSION OF THE IRC.

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Project No.: The Tanglewood
DATE: JANUARY 4, 2023
DRAWN BY: Steven Madden
DESIGNED BY: Steven Madden

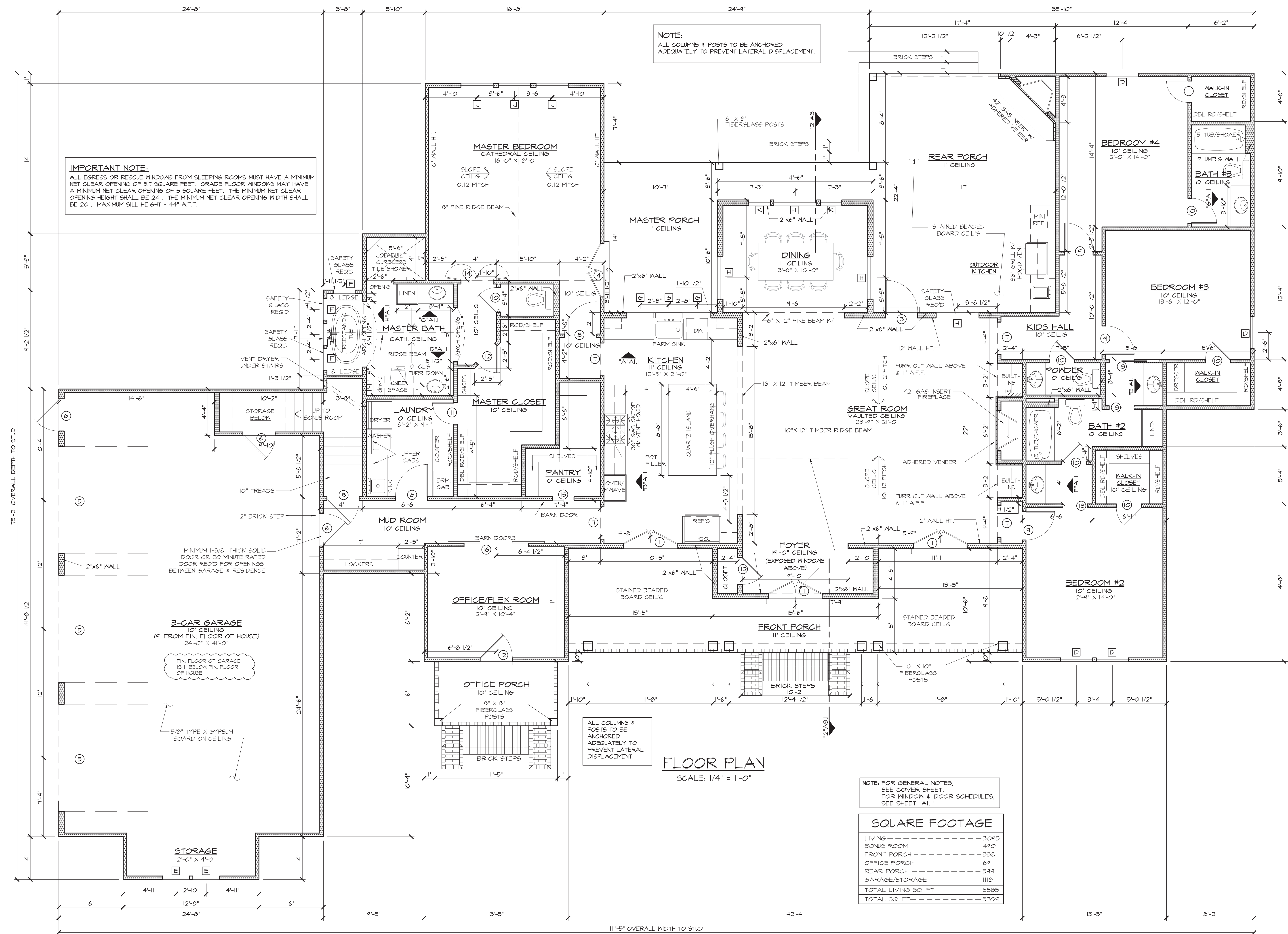
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COVER SHEET

- Sheet:
- Preliminary Dwg.
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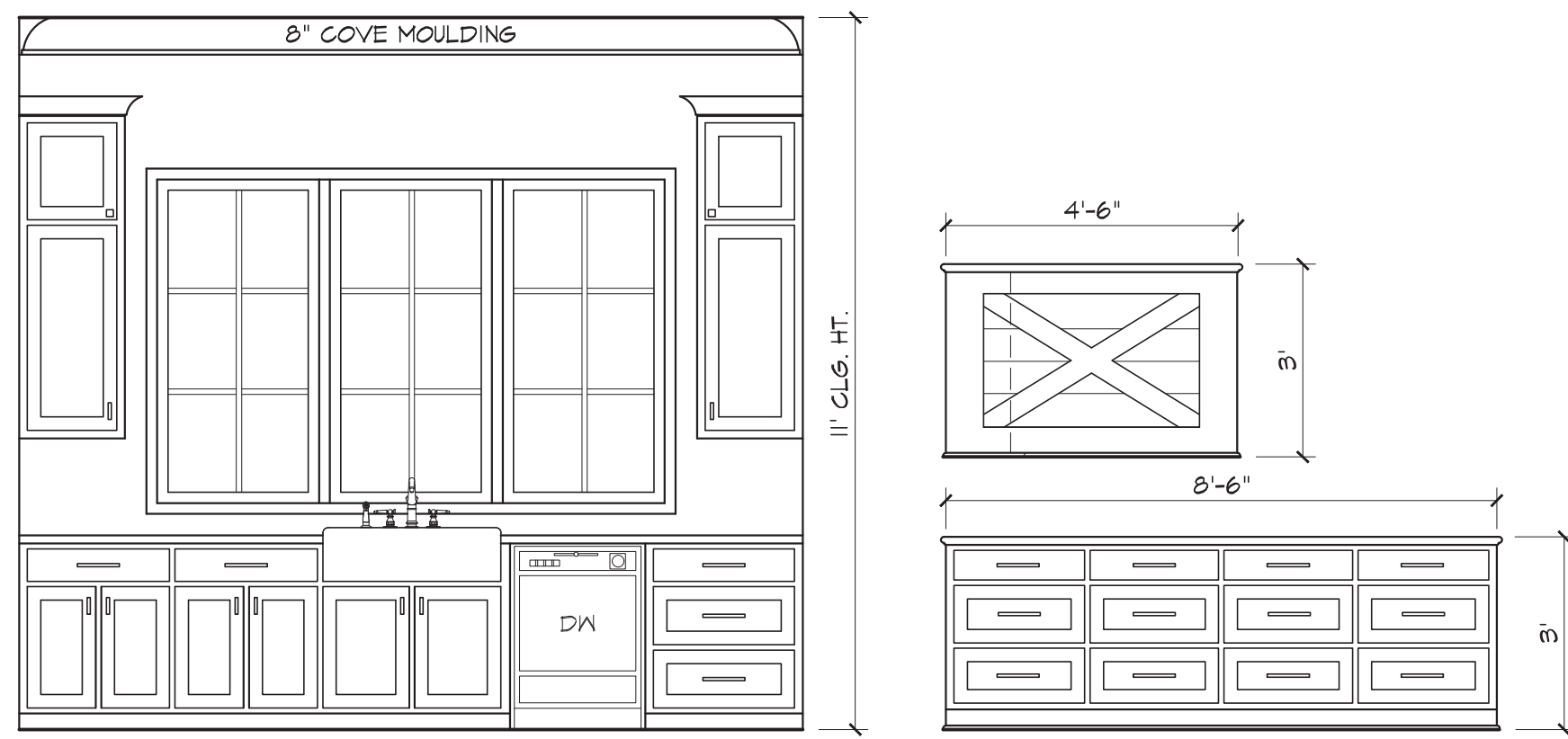
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FLOOR PLAN

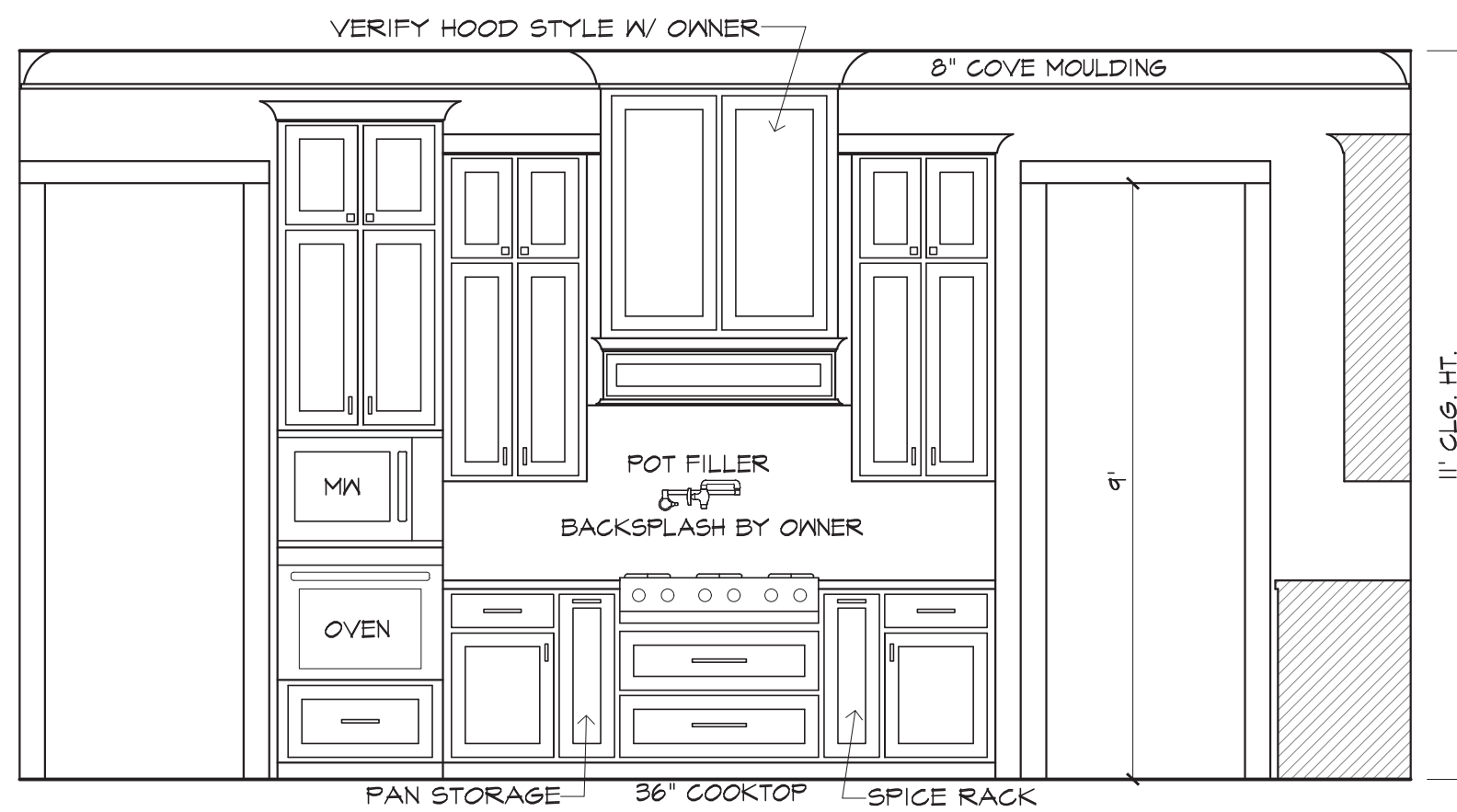
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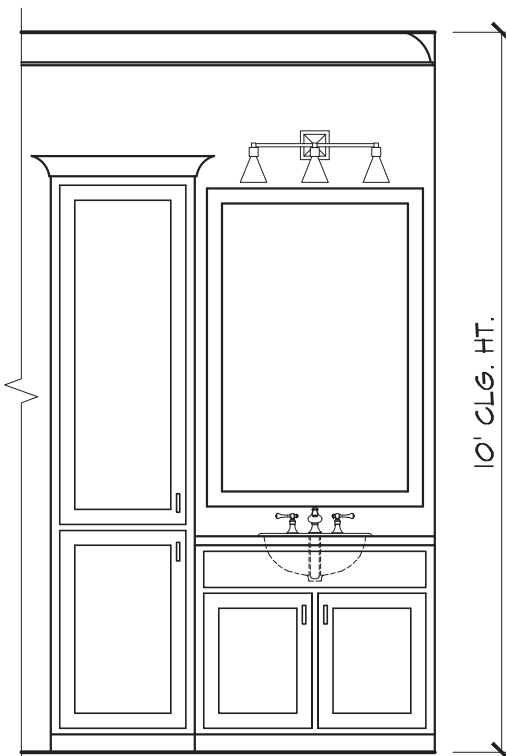


A ELEVATION
SCALE: 3/8" = 1'-0"

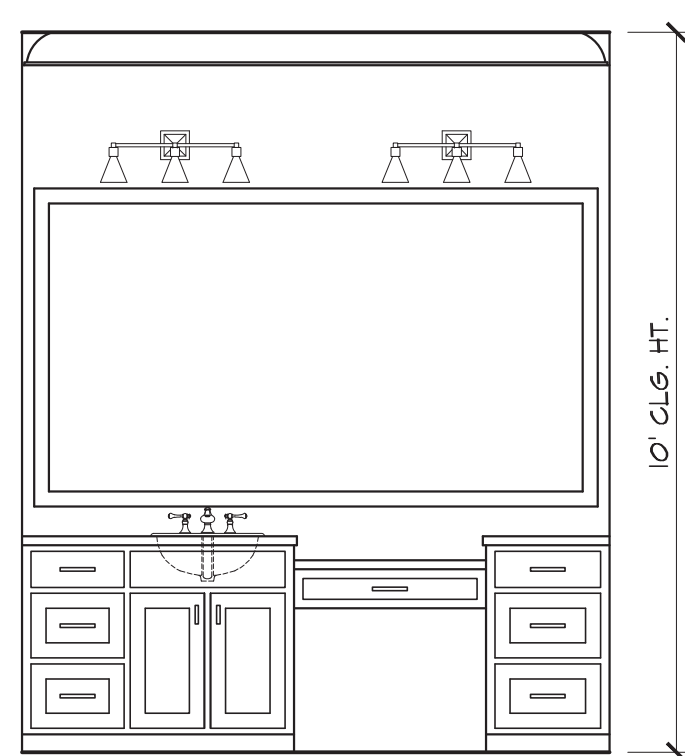
ISLAND ELEVS.
SCALE: 3/8" = 1'-0"



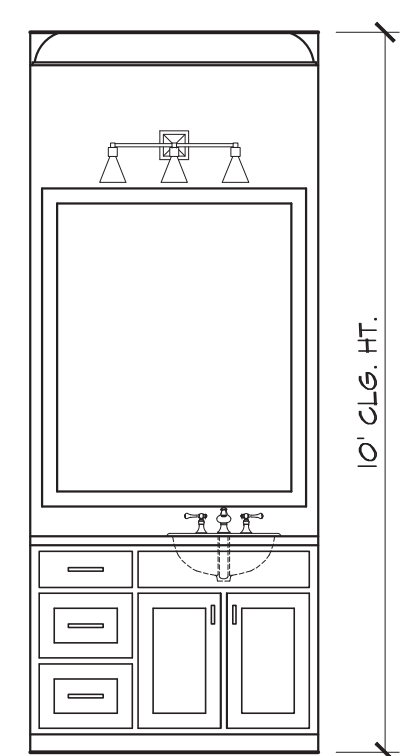
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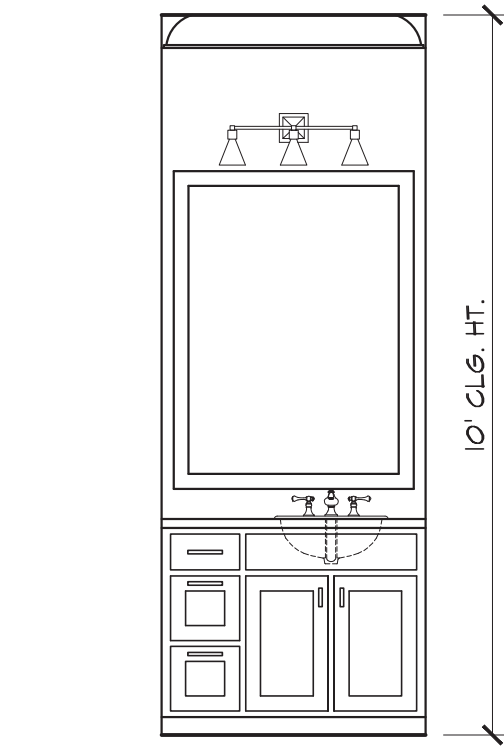
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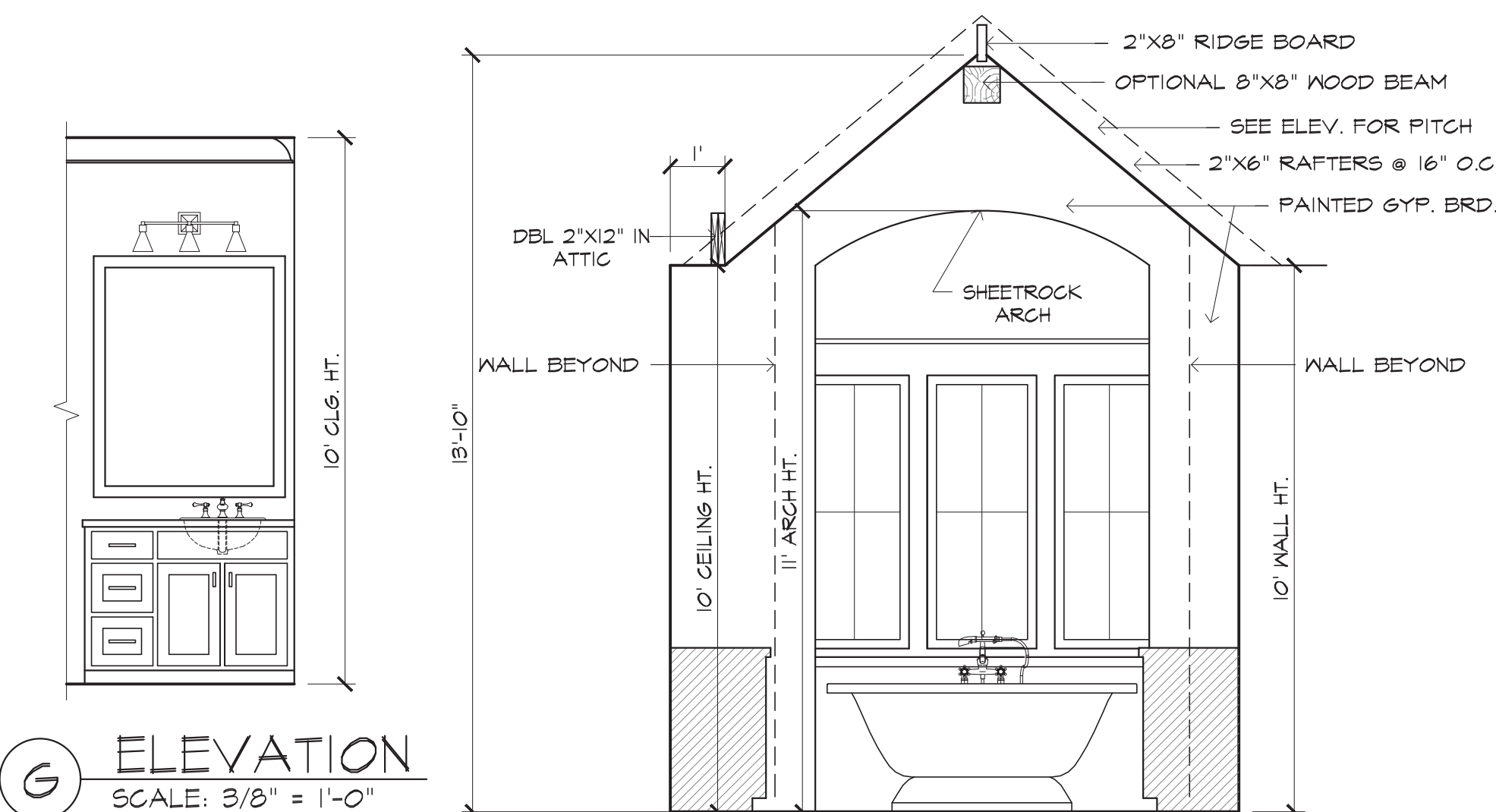
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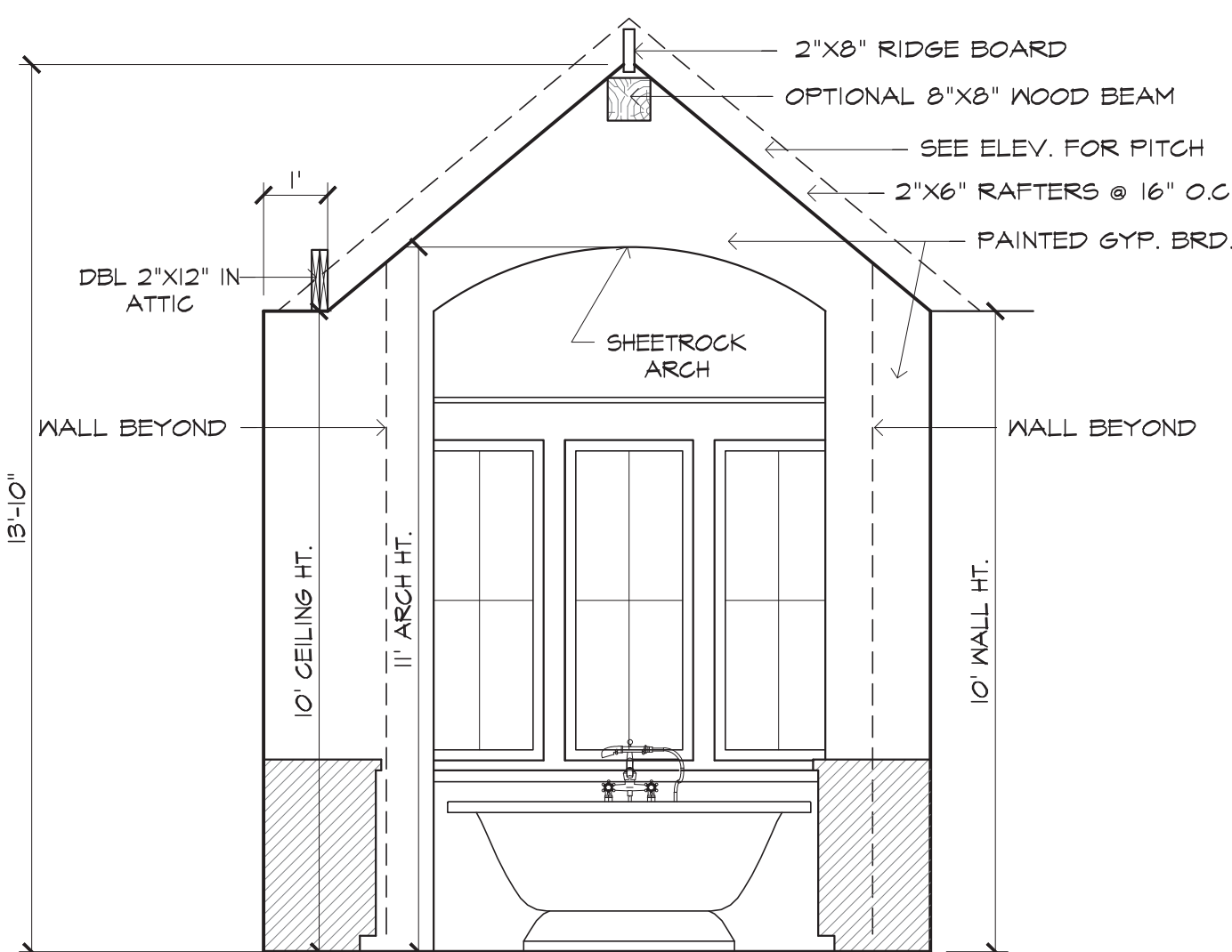
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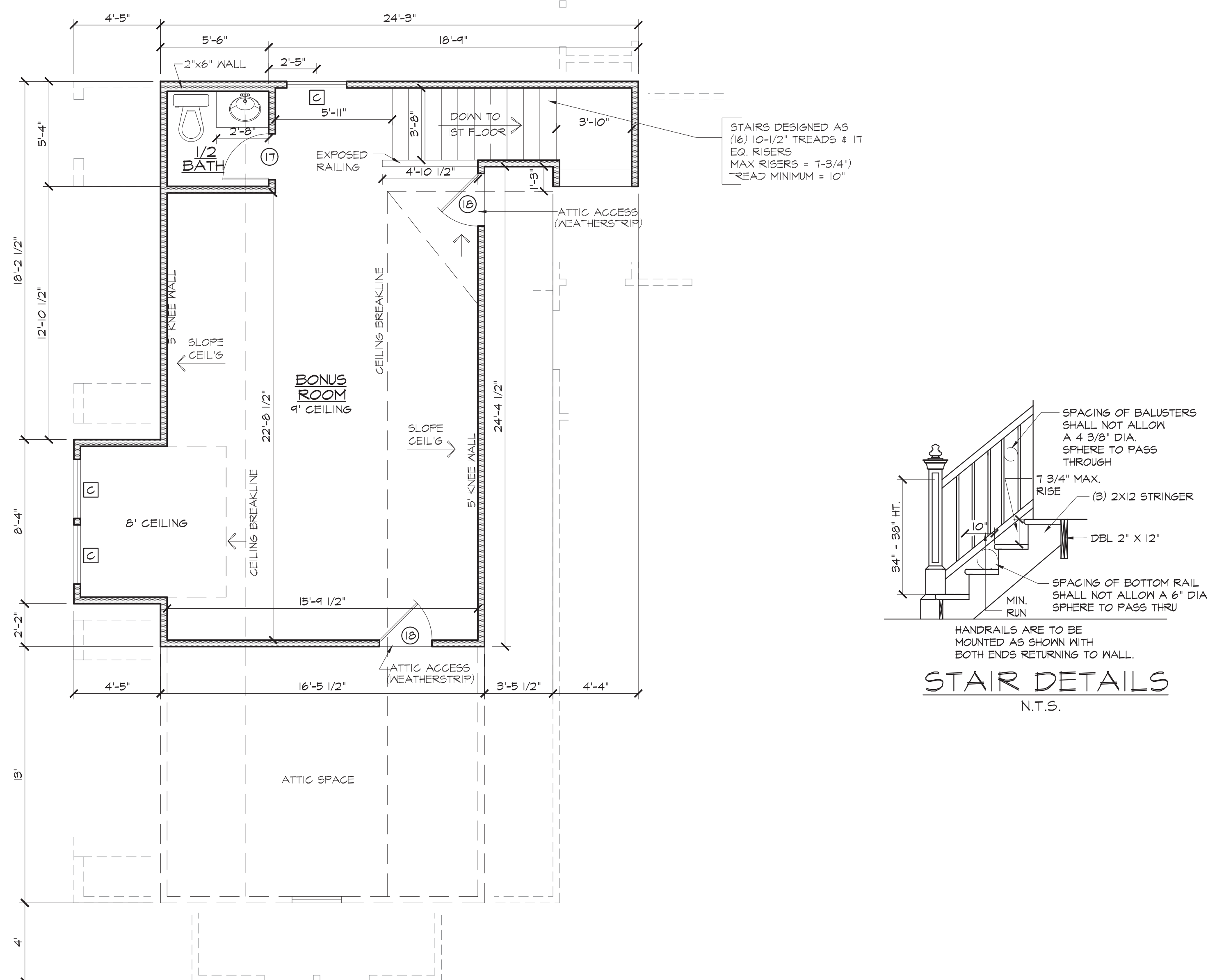
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G ELEVATION
SCALE: 3/8" = 1'-0"

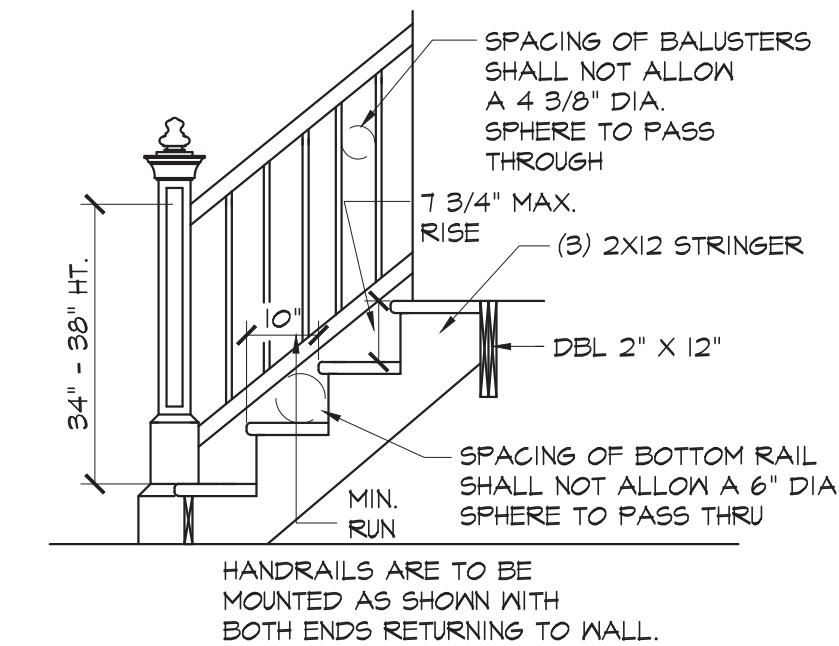


H M. BATH ELEVATION
SCALE: 3/8" = 1'-0"



BONUS ROOM FLOOR PLAN
SCALE: 1/4" = 1'-0"

STAIRS DESIGNED AS
(16) 10-1/2" TREADS & 11"
EQ. RISERS
MAX RISERS = 7-3/4"
TREAD MINIMUM = 10"



STAIR DETAILS
N.T.S.

WINDOW SCHEDULE			
MARK	OPENING SIZE	DESCRIPTION	QTY.
A	26" X 46"	2/2 LITE VINYL FIXED INSULATED WINDOW (SEE ELEVATIONS)	3
B	20" X 20"	4 LITE VINYL FIXED INSULATED WINDOW (SEE ELEVATIONS)	2
C	30" X 50"	2/2 LITE VINYL SINGLE HUNG WINDOW INSULATED	3
D	30" X 60"	2/2 LITE VINYL SINGLE HUNG WINDOW INSULATED	4
E	26" X 50"	2/2 LITE VINYL SINGLE HUNG WINDOW INSULATED	2
F	20" X 50"	4 LITE VINYL FIXED PICTURE W/ TEMPERED GLASS	4
G	26" X 50"	4 LITE VINYL FIXED INSUL. WINDOW W/ 16" TRANSOM (MULLED)	3
H	40" X 70"	2/2 LITE VINYL S.H. INSULATED WINDOW W/ 20" TRANSOM	4
J	30" X 70"	2/2 LITE VINYL S.H. INSULATED WINDOW W/ 24" TRANSOM	3
K	20" X 70"	2/2 LITE VINYL S.H. INSULATED WINDOW W/ 20" TRANSOM	2

DOOR SCHEDULE			
MARK	SIZE	DESCRIPTION	QTY.
1	DBL 26" X 80"	EXT. 6 LITE 3/4 FRENCH SOLID WOOD DOORS W/ 20" TRANS.	3 PAIR
2	30" X 80"	EXTERIOR 6 LITE 3/4 FRENCH SOLID WOOD DOOR	1
3	30" X 80"	EXT. 8 LITE FULL FRENCH SOLID WOOD DOOR W/ 20" TRANS.	1
4	DBL 26" X 80"	EXTERIOR 8 LITE FULL FRENCH SOLID WOOD DOORS	1 PAIR
5	100" X 80"	INSULATED METAL CARRIAGE STYLE GARAGE DOOR W/ LITES	3
6	30" X 80"	EXTERIOR RAISED PANEL METAL DOOR	3
7	30" X 90"	CASED OPENING	4
8	30" X 80"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOOR	3
9	28" X 80"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOOR	3
10	24" X 80"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOOR	6
11	20" X 80"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOOR	2
12	26" X 80"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOOR	2
13	24" X 80"	INTERIOR RAISED PANEL MASONITE POCKET DOOR	3
14	DBL 16" X 80"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOORS	1 PAIR
15	20" X 80"	SLIDING BARN DOOR - OWNER SELECT	1
16	DBL 30" X 80"	SLIDING BARN DOORS - OWNER SELECT	1 PAIR
17	24" X 68"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOOR	1
18	28" X 68"	SOLID CORE ATTIC ACCESS DOOR	2

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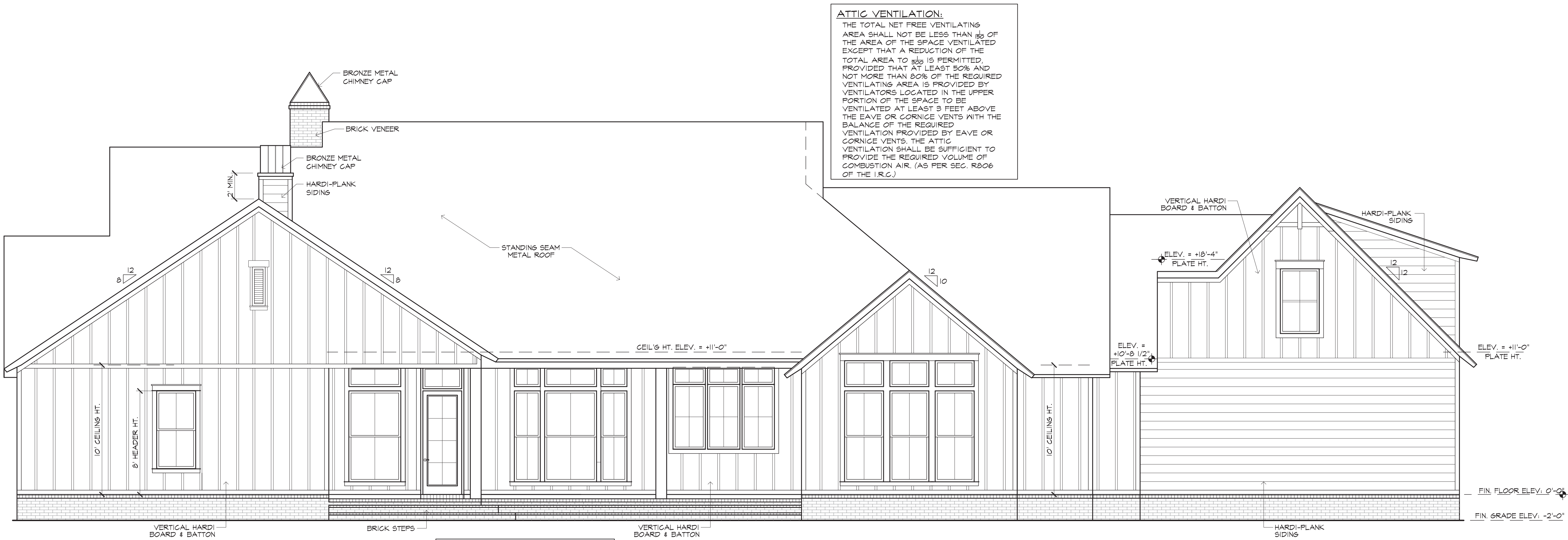
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BONUS ROOM/ INT. ELEVS.

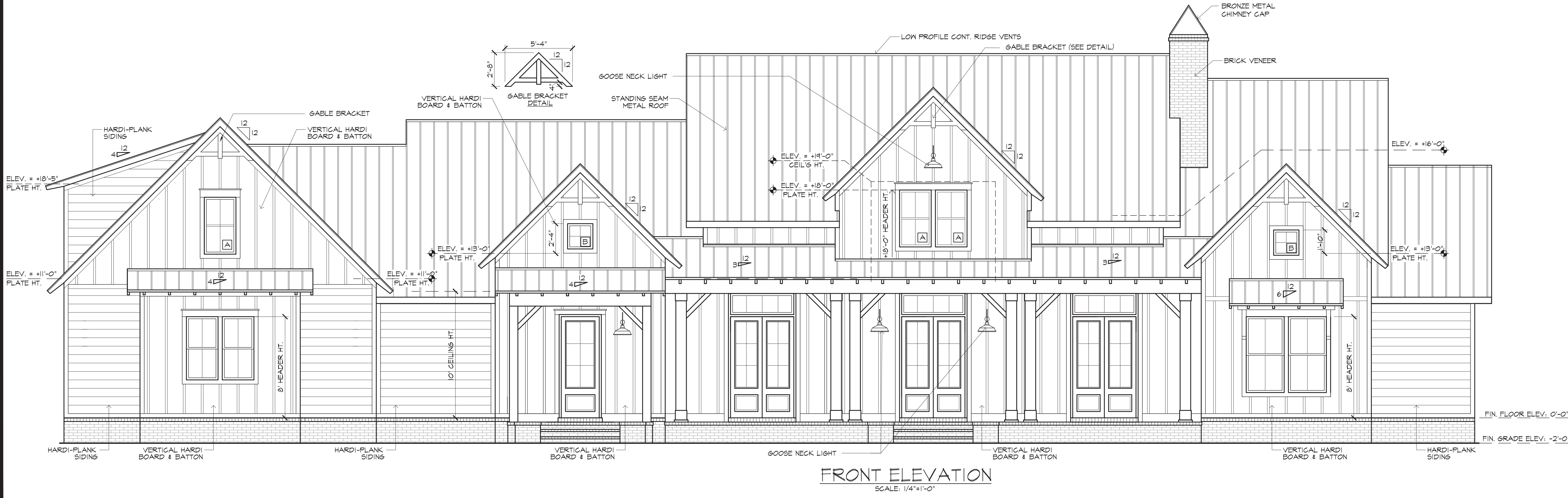
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ATTIC VENTILATION:
 THE TOTAL NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/30 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT A REDUCTION OF THE TOTAL AREA TO 1/60 IS PERMITTED, PROVIDED THAT AT LEAST 50% AND NOT MORE THAN 80% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3 FEET ABOVE THE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS. THE ATTIC VENTILATION SHALL BE SUFFICIENT TO PROVIDE THE REQUIRED VOLUME OF COMBUSTION AIR, (AS PER SEC. R006 OF THE I.R.C.)

NOTE:
 MAINTAIN MIN. 6" CLEARANCE BETWEEN BOTTOM OF BRICK OR SIDING AND TOP OF FINAL GRADING AND SODDING - TYPICAL ALL AROUND STRUCTURE

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



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

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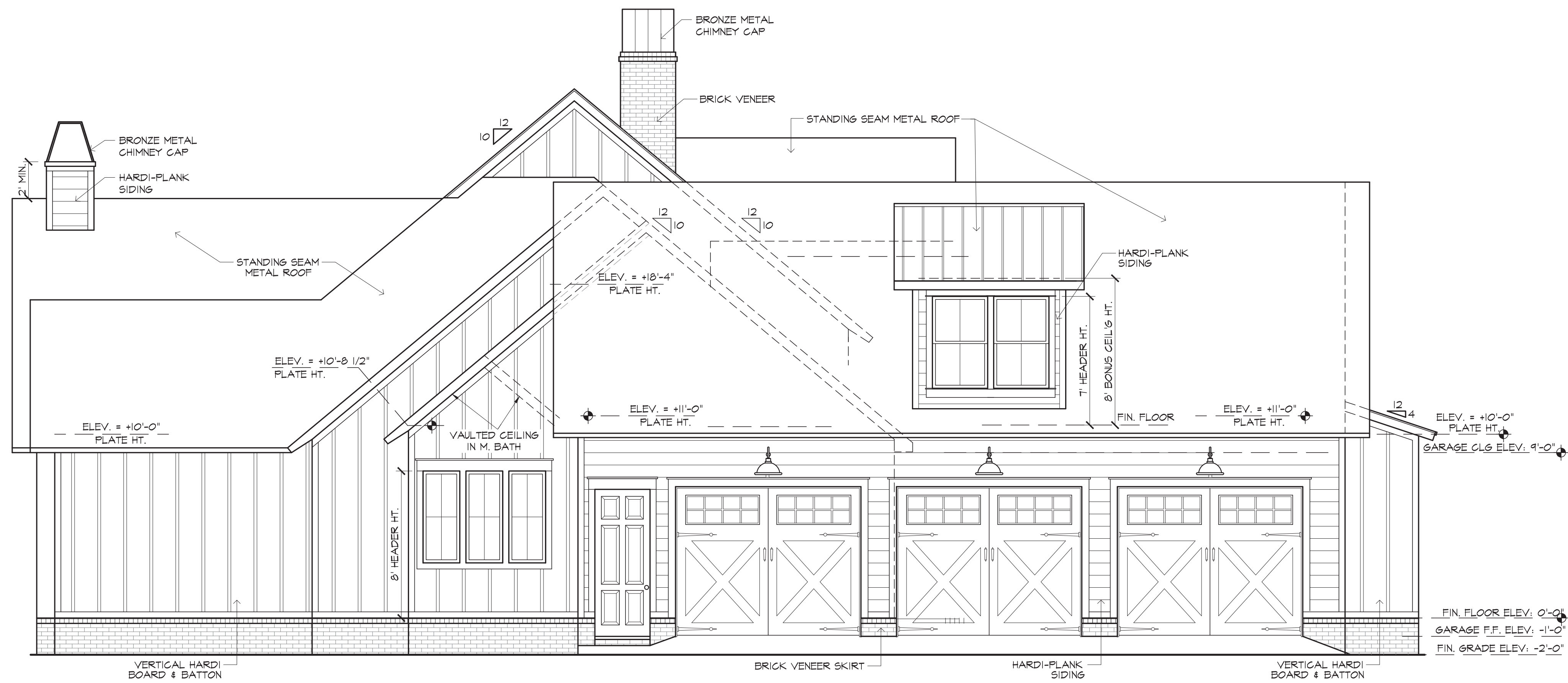
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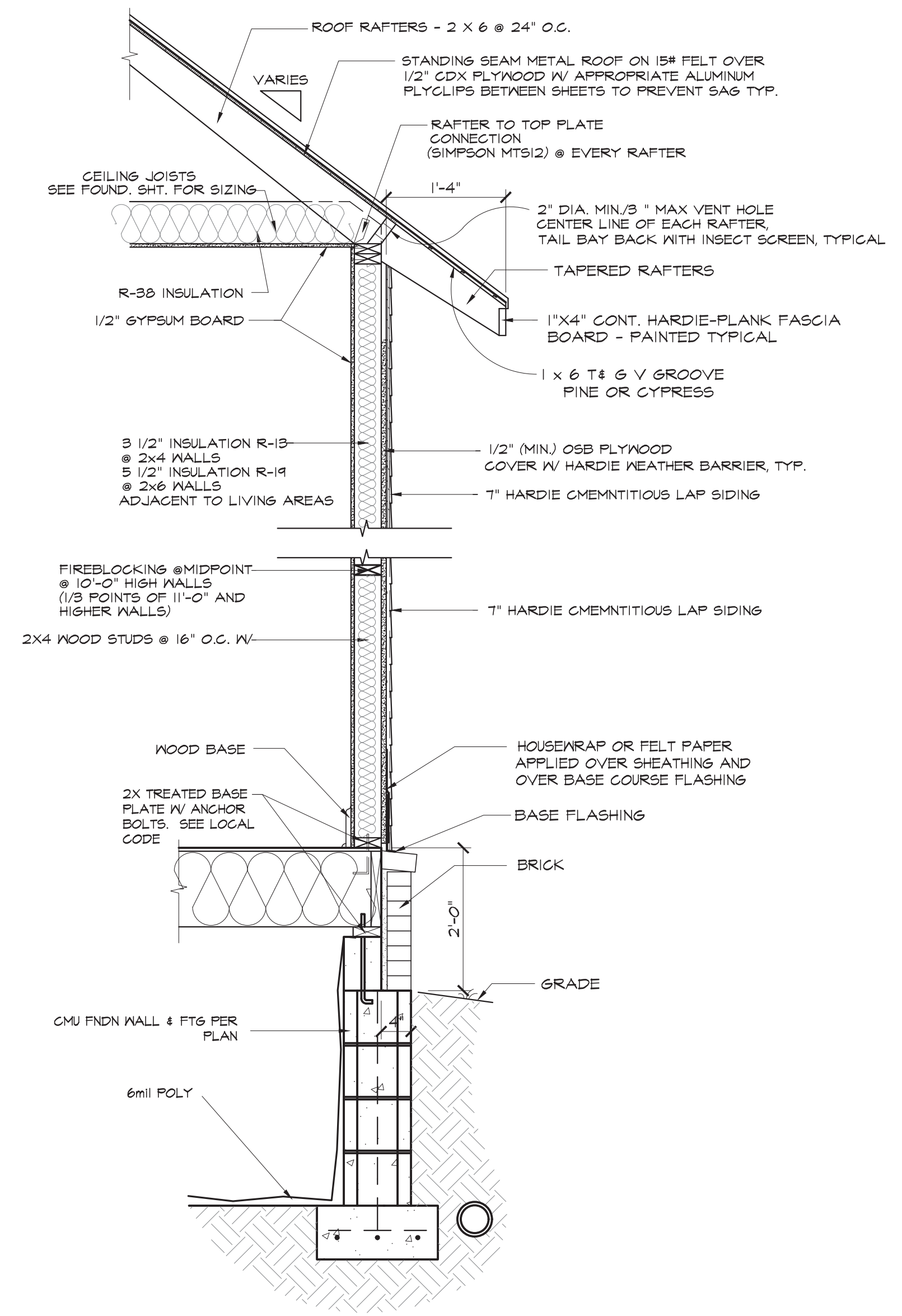
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FRONT & REAR ELEVATIONS

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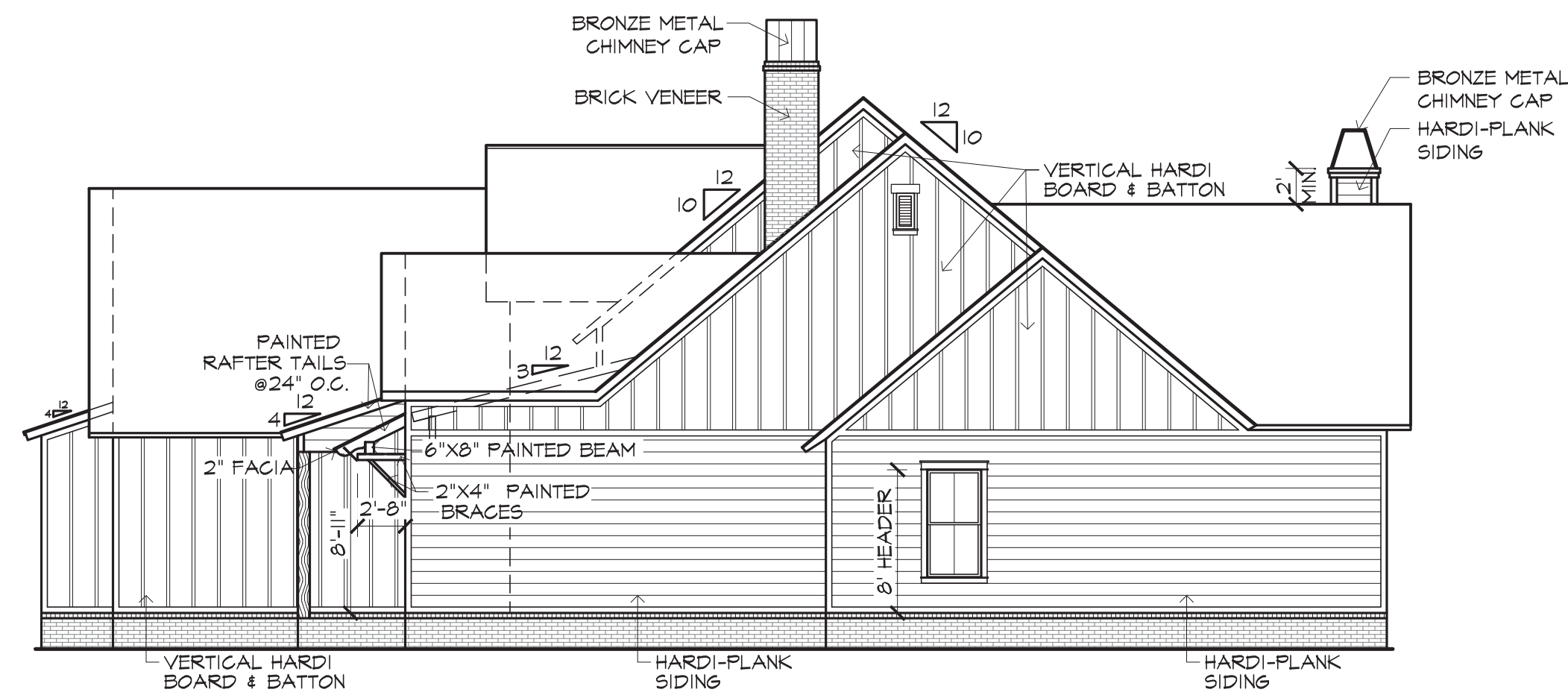


LEFT SIDE ELEVATION
SCALE: 1/4" = 1'-0"

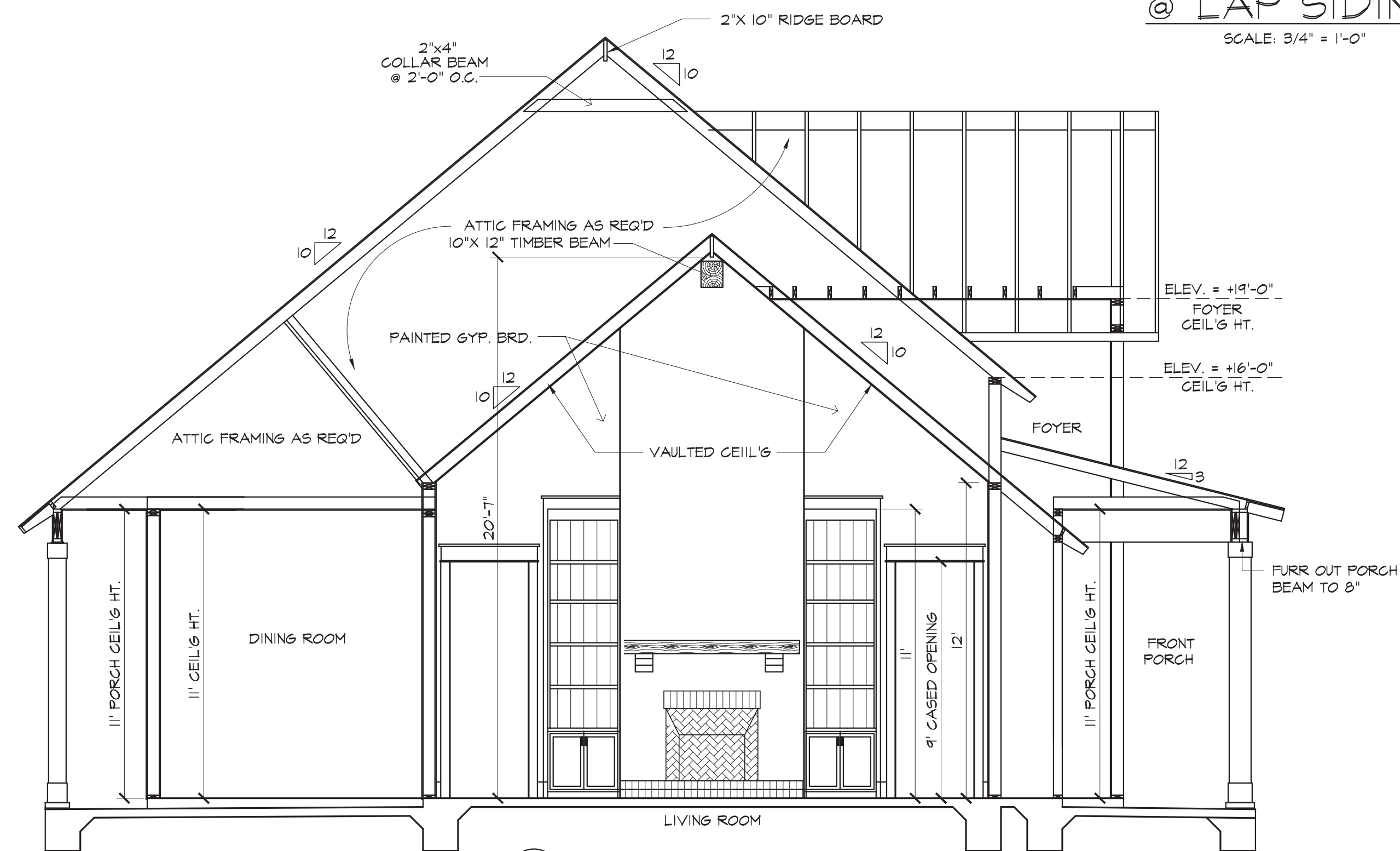
NOTE:
MAINTAIN MIN. 6" CLEARANCE BETWEEN
BOTTOM OF BRICK OR SIDING AND TOP
OF FINAL GRADING AND SODDING -
TYPICAL ALL AROUND STRUCTURE



TYPICAL WALL SECTION
@ LAP SIDING
SCALE: 3/4" = 1'-0"



RIGHT SIDE ELEVATION
SCALE: 1/8" = 1'-0"



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

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RESIDENCE OF
SHEREE KORNELSEN

Project
MADDEN HOME DESIGN
8375 Rushing Road
Denham Springs, Louisiana
70726
Phone: (225) 791-2912

Project No.: The Tanglewood
DATE: JANUARY 4, 2023
DRAWN BY: Steven Madden
DESIGNED BY: Steven Madden

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Sheet Title
ELEVS. & CROSS SECTION

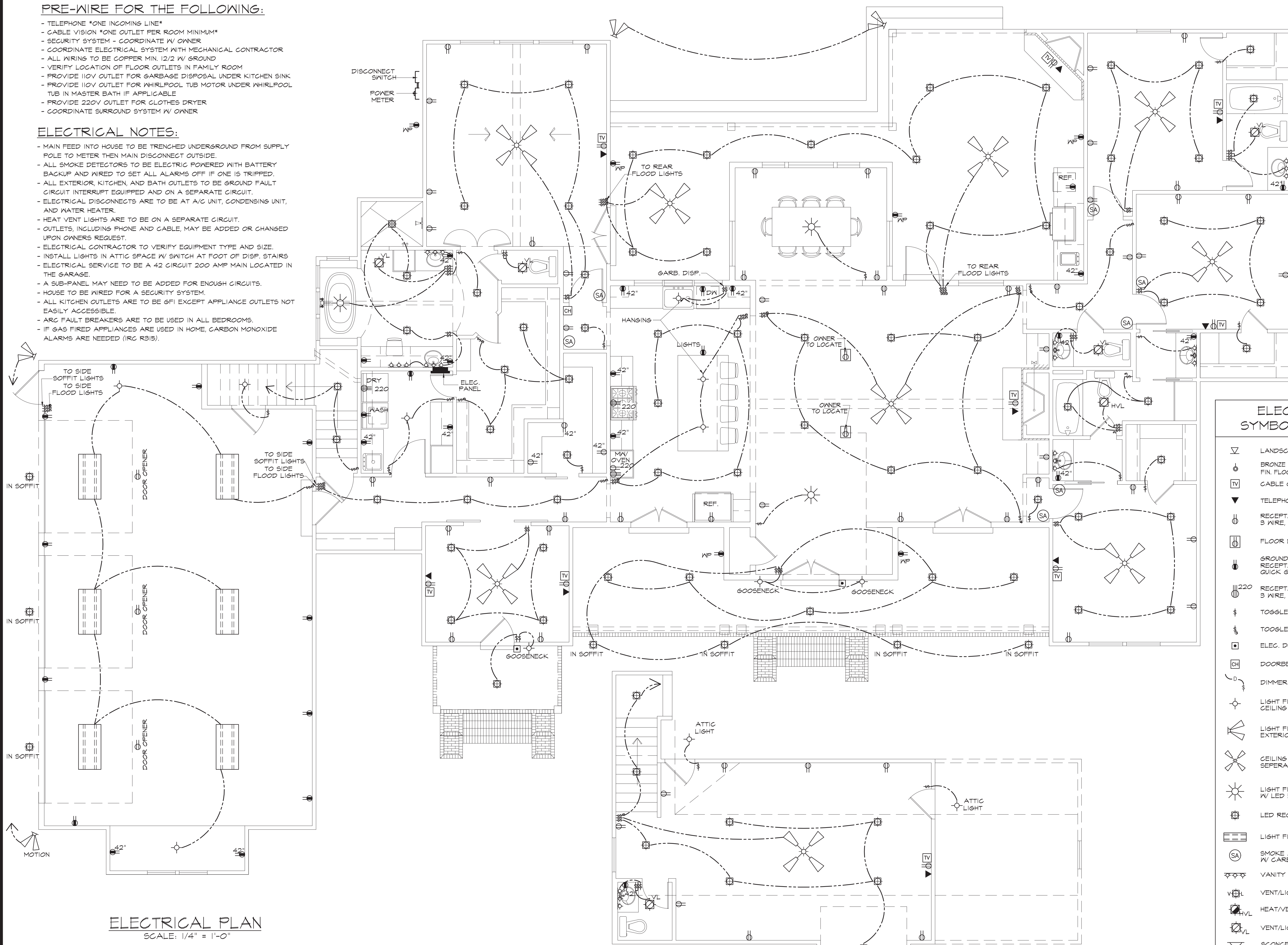
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□ Bidding Doc.
□ Construction Doc.
A3.0

PRE-WIRE FOR THE FOLLOWING:

- TELEPHONE *ONE INCOMING LINE*
- CABLE VISION *ONE OUTLET PER ROOM MINIMUM*
- SECURITY SYSTEM - COORDINATE W/ OWNER
- COORDINATE ELECTRICAL SYSTEM WITH MECHANICAL CONTRACTOR
- ALL WIRING TO BE COPPER MIN. 12/2 W/ GROUND
- VERIFY LOCATION OF FLOOR OUTLETS IN FAMILY ROOM
- PROVIDE 110V OUTLET FOR GARBAGE DISPOSAL UNDER KITCHEN SINK
- PROVIDE 110V OUTLET FOR WHIRLPOOL TUB MOTOR UNDER WHIRLPOOL TUB IN MASTER BATH IF APPLICABLE
- PROVIDE 220V OUTLET FOR CLOTHES DRYER
- COORDINATE SURROUND SYSTEM W/ OWNER

ELECTRICAL NOTES:

- MAIN FEED INTO HOUSE TO BE TRENCHED UNDERGROUND FROM SUPPLY POLE TO METER THEN MAIN DISCONNECT OUTSIDE.
- ALL SMOKE DETECTORS TO BE ELECTRIC POWERED WITH BATTERY BACKUP AND WIRED TO SET ALL ALARMS OFF IF ONE IS TRIPPED.
- ALL EXTERIOR, KITCHEN, AND BATH OUTLETS TO BE GROUND FAULT CIRCUIT INTERRUPT EQUIPPED AND ON A SEPARATE CIRCUIT.
- ELECTRICAL DISCONNECTS ARE TO BE AT A/C UNIT, CONDENSING UNIT, AND WATER HEATER.
- HEAT VENT LIGHTS ARE TO BE ON A SEPARATE CIRCUIT.
- OUTLETS, INCLUDING PHONE AND CABLE, MAY BE ADDED OR CHANGED UPON OWNERS REQUEST.
- ELECTRICAL CONTRACTOR TO VERIFY EQUIPMENT TYPE AND SIZE.
- INSTALL LIGHTS IN ATTIC SPACE W/ SWITCH AT FOOT OF DISP. STAIRS
- ELECTRICAL SERVICE TO BE A 42 CIRCUIT 200 AMP MAIN LOCATED IN THE GARAGE
- A SUB-PANEL MAY NEED TO BE ADDED FOR ENOUGH CIRCUITS.
- HOUSE TO BE WIRED FOR A SECURITY SYSTEM.
- ALL KITCHEN OUTLETS ARE TO BE GFI EXCEPT APPLIANCE OUTLETS NOT EASILY ACCESSIBLE.
- ARC FAULT BREAKERS ARE TO BE USED IN ALL BEDROOMS.
- IF GAS FIRED APPLIANCES ARE USED IN HOME, CARBON MONOXIDE ALARMS ARE NEEDED (IRC R315).



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

BONUS ROOM ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL SYMBOL LEGEND

- ▽ LANDSCAPING LIGHTS
- BRONZE UP LIGHTS IN WALL ABOVE FIN. FLOOR (N/VO 6" LANDSCAPE)
- CABLE OUTLET
- ▼ TELEPHONE/ ETHERNET OUTLET
- ⊕ RECEPTACLE, 15A, 125V, 2 POLE 3 WIRE, GROUNDING, DUPLEX
- ⊕ FLOOR DUPLEX RECEPTACLE
- ⊕ GROUND-FAULT-CIRCUIT-INTERLUPT RECEPTACLE-USE SQUARE D QUICK GUARD FOR WP LOCATIONS
- ⊕ 220 RECEPTACLE, 50A, 220V, 2 POLE 3 WIRE, GROUNDING
- ⊕ TOGGLE SWITCH, SINGLE POLE, 15A
- ⊕ TOGGLE SWITCH, 3 WAY, 15A
- ⊕ ELEC. DOOR BELL
- ⊕ DOORBELL CHIME
- ⊕ DIMMER SWITCH
- ⊕ LIGHT FIXTURE, LED CEILING MOUNTED
- ⊕ LIGHT FIXTURE, LED EXTERIOR FLOODS
- ⊕ LIGHT FIXTURE - CHANDELIER W/ LED BULBS
- ⊕ LED RECESSED LIGHT
- ⊕ LIGHT FIXTURE - LED
- ⊕ SMOKE ALARM - 110V ELEC. W/ CARBON MONOXIDE DETECTOR
- ⊕ VANITY LIGHT
- ⊕ VENT/LIGHT RECESSED CAN
- ⊕ HEAT/VENT/LIGHT
- ⊕ VENT/LIGHT ONLY
- ⊕ SCOSCE LIGHT
- ⊕ WALL MOUNT ELECTRIC LANTERN

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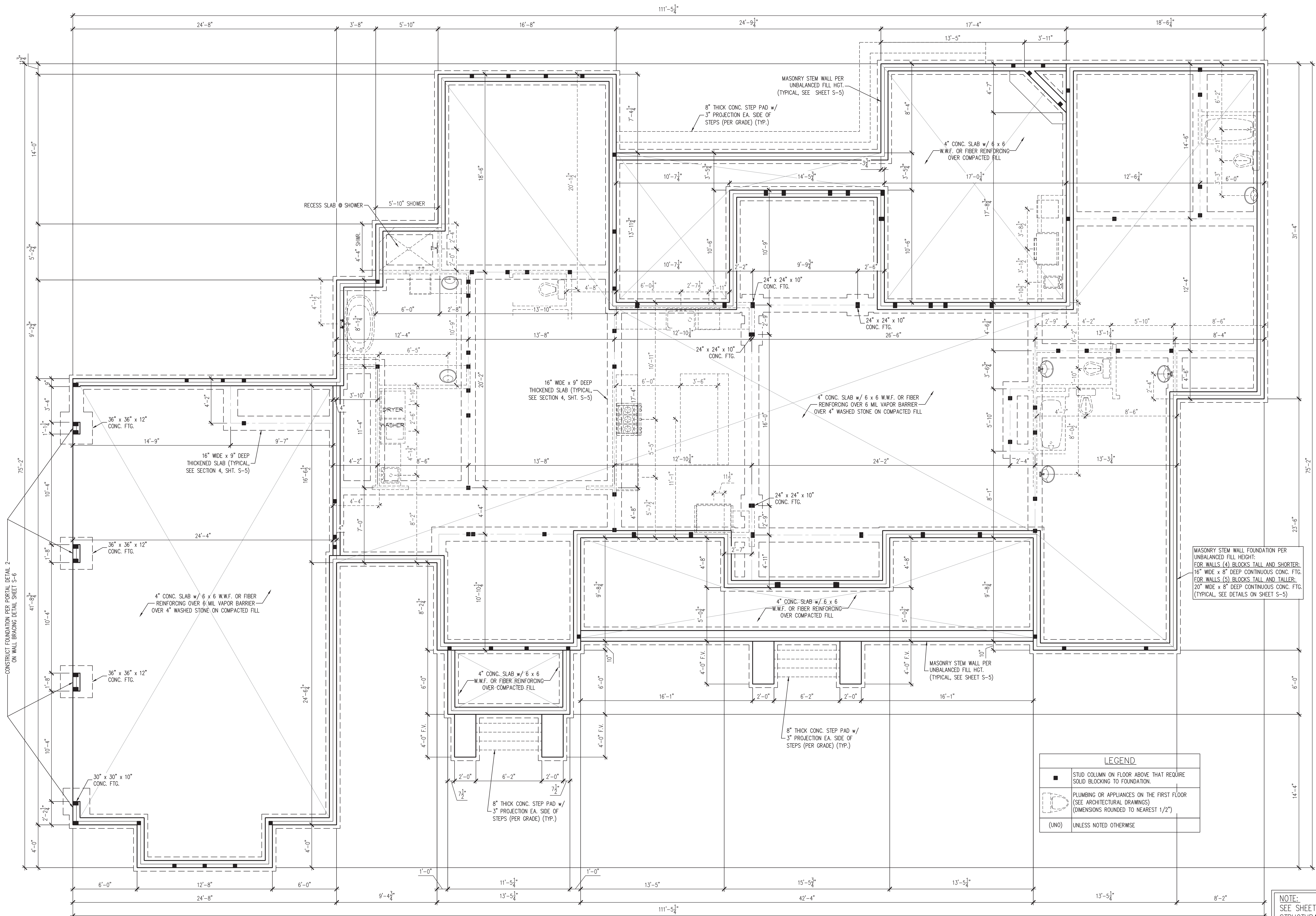
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Project No.: The Tanglewood
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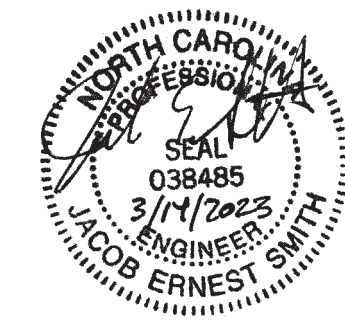
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Sheet Title
ELECTRICAL PLAN

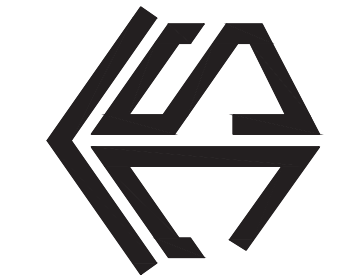
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PREPARED UNDER THE SUPERVISION OF:



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 N. C. CERTIFICATE NUMBER: P-2212



KORNELSON RESIDENCE
582 BROOKGREEN LANE
CAMERON, NC 28326

REVISIONS:

NO.	DESCRIPTION

DRAWN BY: MADDEN HOME DESIGN

ENGINEERED BY: J. SMITH

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

DATE: 3-14-2023

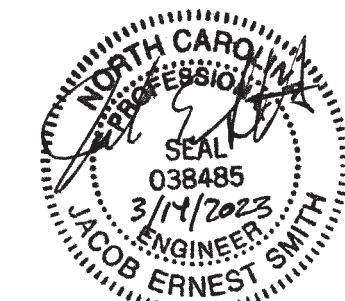
SHEET: **1** OF: **6**

S-1
STEM WALL SLAB
FOUNDATION PLAN

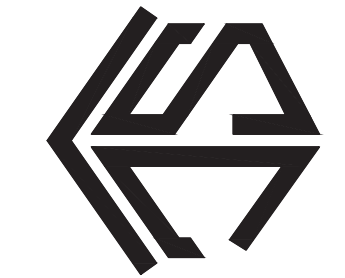
NOTE: SEE SHEET S-5 FOR STRUCTURAL NOTES, DESIGN CRITERIA, AND FOUNDATION DETAILS.

LEGEND

■	STUD COLUMN ON FLOOR ABOVE THAT REQUIRE SOLID BLOCKING TO FOUNDATION.
Ⓧ	PLUMBING OR APPLIANCES ON THE FIRST FLOOR (SEE ARCHITECTURAL DRAWINGS) (DIMENSIONS ROUNDED TO NEAREST 1/2")
(UNO)	UNLESS NOTED OTHERWISE



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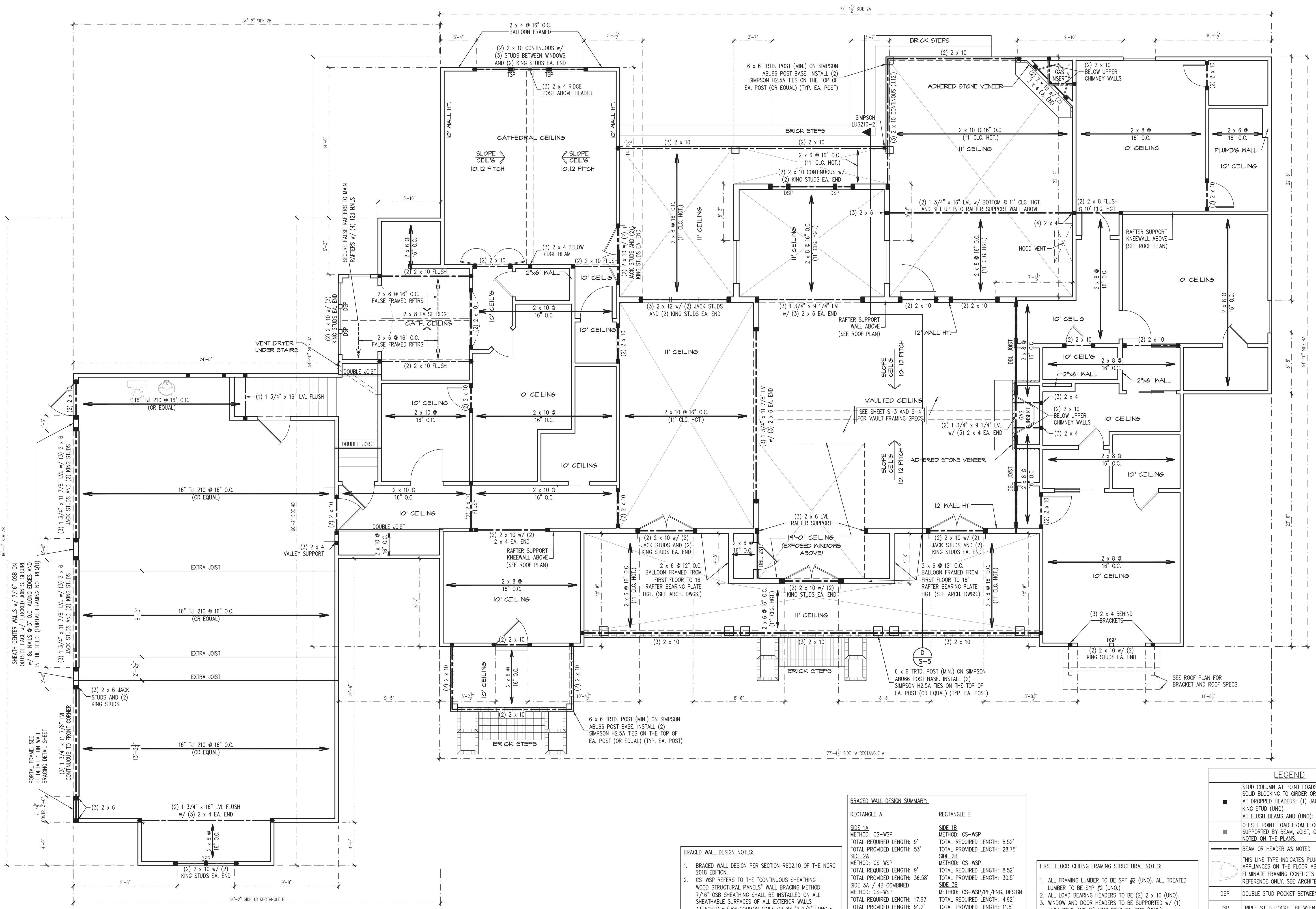
ENGINEERED BY: J. SMITH

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

DATE: 3-14-2023

SHEET: 2 OF: 6

S-2
FIRST FLOOR
CEILING FRAMING
PLAN



- BRACED WALL DESIGN NOTES:**
- BRACED WALL DESIGN PER SECTION R602.10 OF THE NRCR 2018 EDITION.
 - CS-WSP REFERS TO THE "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" WALL BRACING METHOD. 7/16" OSB SHEATHING SHALL BE INSTALLED ON ALL SHEATHABLE SURFACES OF ALL EXTERIOR WALLS ATTACHED w/ 6d COMMON NAILS OR Bd (2 1/2" LONG x 0.113" DIA.) NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD (UNO).
 - SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

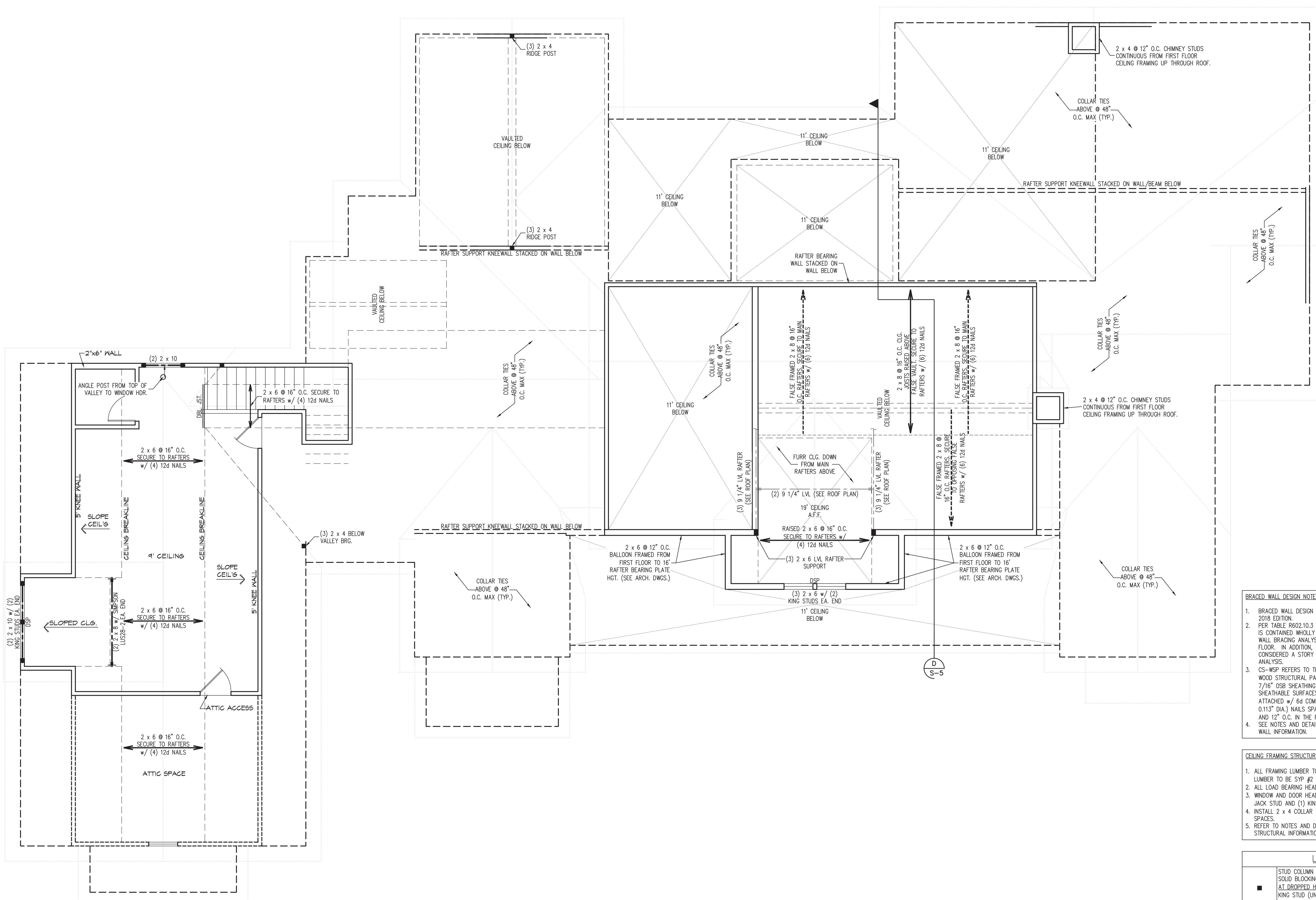
BRACED WALL DESIGN SUMMARY:

RECTANGLE A	RECTANGLE B
SIDE 1A METHOD: CS-WSP TOTAL REQUIRED LENGTH: 9' TOTAL PROVIDED LENGTH: 53'	SIDE 1B METHOD: CS-WSP TOTAL REQUIRED LENGTH: 8.52' TOTAL PROVIDED LENGTH: 28.75'
SIDE 2A METHOD: CS-WSP TOTAL REQUIRED LENGTH: 9' TOTAL PROVIDED LENGTH: 36.58'	SIDE 2B METHOD: CS-WSP TOTAL REQUIRED LENGTH: 8.52' TOTAL PROVIDED LENGTH: 30.5'
SIDE 3A / 4B COMBINED METHOD: CS-WSP TOTAL REQUIRED LENGTH: 17.67' TOTAL PROVIDED LENGTH: 91.2'	SIDE 3B METHOD: CS-WP/PF/ENG. DESIGN TOTAL REQUIRED LENGTH: 4.92' TOTAL PROVIDED LENGTH: 11.5'
SIDE 4A METHOD: CS-WSP TOTAL REQUIRED LENGTH: 12.75' TOTAL PROVIDED LENGTH: 94.5'	SIDE 4B / 3A COMBINED METHOD: CS-WSP TOTAL REQUIRED LENGTH: 17.67' TOTAL PROVIDED LENGTH: 91.2'

- FIRST FLOOR CEILING FRAMING STRUCTURAL NOTES:**
- ALL FRAMING LUMBER TO BE SYP #2 (UNO). ALL TREATED LUMBER TO BE SYP #2 (UNO).
 - ALL LOAD BEARING HEADERS TO BE (2) 2 x 10 (UNO).
 - WINDOW AND DOOR HEADERS TO BE SUPPORTED w/ (1) JACK STUD AND (1) KING STUD EA. END (UNO).
 - INSTALL AN EXTRA OR DOUBLE JOIST UNDER WALLS PARALLEL TO THE JOISTS WHERE NOTED ON THE PLANS.
 - REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

LEGEND

■	STUD COLUMN AT POINT LOADS THAT REQUIRE SOLID BLOCKING TO ORDER OR FOUNDATION. AT DROPPED HEADERS: (1) JACK STUD AND (1) KING STUD (UNO). AT FLUSH BEAMS AND (UNO): (2) STUDS (UNO)
■	OFFSET POINT LOAD FROM FLOOR ABOVE. MUST BE SUPPORTED BY BEAM, JOIST, OR BLOCKING AS NOTED ON THE PLANS.
—	BEAM OR HEADER AS NOTED
D	THIS LINE TYPE INDICATES PLUMBING OR APPLIANCES ON THE FLOOR ABOVE TO HELP ELIMINATE FRAMING CONFLICTS WITH UTILITIES. (FOR REFERENCE ONLY, SEE ARCHITECTURAL DRAWINGS)
DSP	DOUBLE STUD POCKET BETWEEN WINDOW UNITS
TSP	TRIPLE STUD POCKET BETWEEN WINDOW UNITS
X-X	BRACED WALL DIMENSIONS (FOR REFERENCE ONLY) (ROUNDED TO NEAREST 1/2")
(UNO)	UNLESS NOTED OTHERWISE

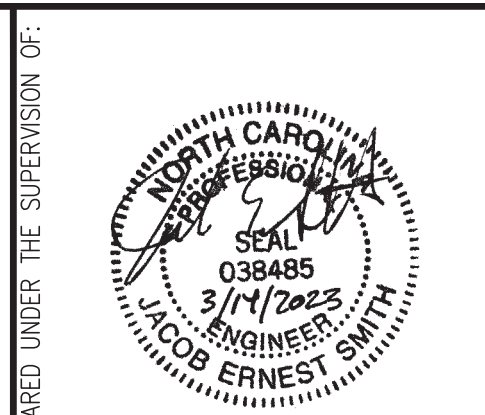


- BRACED WALL DESIGN NOTES:**
- BRACED WALL DESIGN PER SECTION R602.10 OF THE NRC 2018 EDITION.
 - PER TABLE R602.10.3 OF THE 2018 NRC, THE 2ND FLOOR IS CONTAINED WHOLLY WITHIN THE ROOF SYSTEM AND WALL BRACING ANALYSIS IS NOT REQUIRED ON THE 2ND FLOOR. IN ADDITION, THE 2ND FLOOR NEED NOT BE CONSIDERED A STORY IN THE FIRST FLOOR WALL BRACING ANALYSIS.
 - CS-WSP REFERS TO THE "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" WALL BRACING METHOD. 7/16" OSB SHEATHING SHALL BE INSTALLED ON ALL SHEATHABLE SURFACES OF ALL EXTERIOR WALLS ATTACHED w/ 6d COMMON NAILS OR 8d (2 1/2" LONG x 0.113" DIA.) NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD (UNO).
 - SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

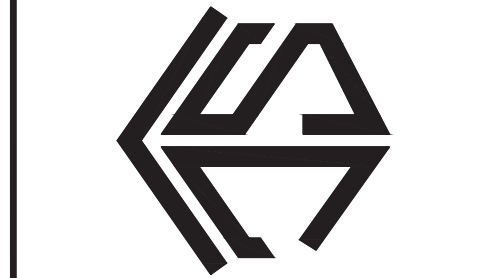
- CEILING FRAMING STRUCTURAL NOTES:**
- ALL FRAMING LUMBER TO BE SPF #2 (UNO). ALL TREATED LUMBER TO BE SYP #2 (UNO).
 - ALL LOAD BEARING HEADERS TO BE (2) 2 x 10 (UNO).
 - WINDOW AND DOOR HEADERS TO BE SUPPORTED w/ (1) JACK STUD AND (1) KING STUD EA. END (UNO).
 - INSTALL 2 x 4 COLLAR TIES @ 48" O.C. MAX. IN ALL ATTIC SPACES.
 - REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

LEGEND

■	STUD COLUMN AT POINT LOADS THAT REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION.
■	AT DROPPED HEADERS: (1) JACK STUD AND (1) KING STUD (UNO).
■	AT FLUSH BEAMS AND (UNO): (2) STUDS (UNO)
■	OFFSET POINT LOAD FROM FLOOR ABOVE. MUST BE SUPPORTED BY BEAM, JOIST, OR BLOCKING AS NOTED ON THE PLANS.
DSP	DOUBLE STUD POCKET BETWEEN WINDOW UNITS
---	BEAM OR HEADER AS NOTED
(UNO)	UNLESS NOTED OTHERWISE



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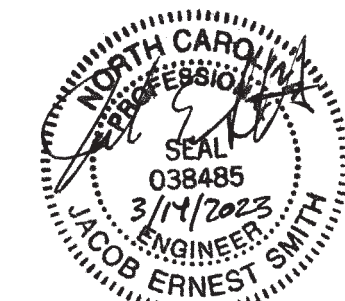
ENGINEERED BY: J. SMITH

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

DATE: 3-14-2023

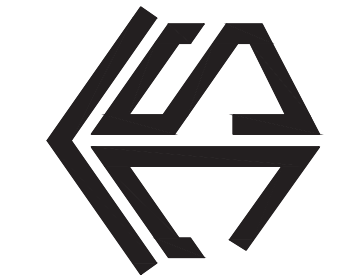
SHEET: 3 OF 6

S-3
SECOND FLOOR
CEILING FRAMING
PLAN



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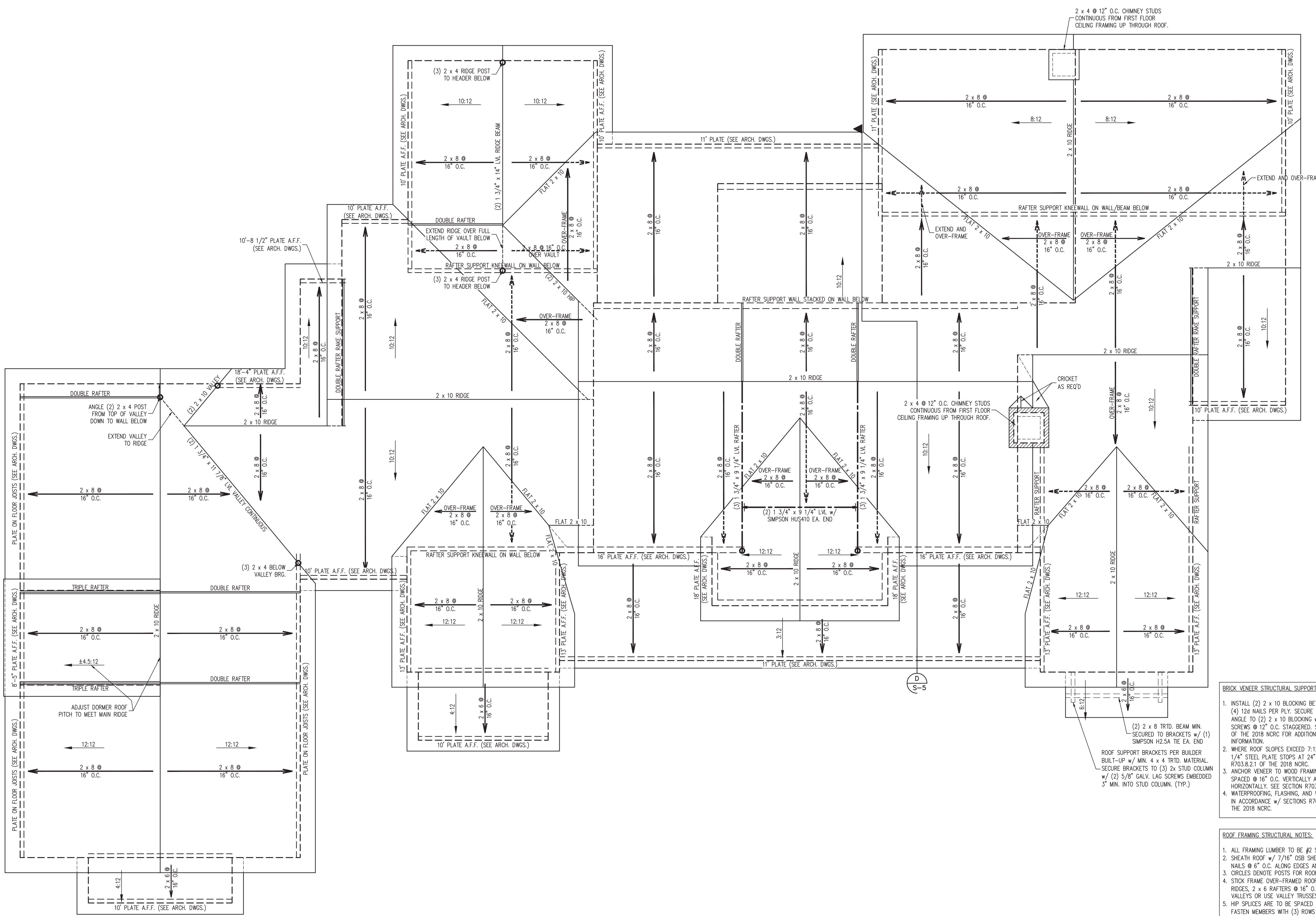
ENGINEERED BY: J. SMITH

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

DATE: 3-14-2023

SHEET: 4 OF: 6

S-4
ROOF FRAMING PLAN



- BRICK VENER STRUCTURAL SUPPORT NOTES:**
- INSTALL (2) 2 x 10 BLOCKING BETWEEN WALL STUDS w/ (4) 12d NAILS PER PLY. SECURE A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING w/ (2) 1/2" x 4" LAG SCREWS @ 12" O.C. STAGGERED. SEE SECTION R703.8.2.1 OF THE 2018 NCR FOR ADDITIONAL BRICK SUPPORT INFORMATION.
 - WHERE ROOF SLOPES EXCEED 7:12, INSTALL 3" x 3" x 1/4" STEEL PLATE STOPS AT 24" O.C. PER SECTION R703.8.2.1 OF THE 2018 NCR.
 - ANCHOR VENER TO WOOD FRAMING WITH METAL TIES SPACED @ 16" O.C. VERTICALLY AND 30" O.C. HORIZONTALLY. SEE SECTION R703.8.4 OF THE 2018 NCR.
 - WATERPROOFING, FLASHING, AND WEEPS TO BE INSTALLED IN ACCORDANCE w/ SECTIONS R703.8.5 AND R703.8.6 OF THE 2018 NCR.

- ROOF FRAMING STRUCTURAL NOTES:**
- ALL FRAMING LUMBER TO BE #2 SPF (UNO).
 - SHEATH ROOF w/ 7/16" OSB SHEATHING SECURED w/ 8d NAILS @ 6" O.C. ALONG EDGES AND 12" O.C. IN THE FIELD.
 - CIRCLES DENOTE POSTS FOR ROOF SUPPORT AS NOTED.
 - STICK FRAME OVER-FRAMED ROOF SECTIONS w/ 2 x 8 RIDGES, 2 x 6 RAFTERS @ 16" O.C. AND FLAT 2 x 10 VALLEYS OR USE VALLEY TRUSSES.
 - HIP SPLICES ARE TO BE SPACED 8'-0" O.C. MINIMUM. FASTEN MEMBERS WITH (3) ROWS OF 12d NAILS @ 16" O.C.
 - FASTEN FLAT VALLEYS TO RAFTERS OR TRUSSES WITH SIMPSON H2.5A HURRICANE TIES @ 32" O.C. MAX. PASS HURRICANE TIES THROUGH NOTCH IN ROOF SHEATHING IF REQUIRED. SECURE RAFTERS TO FLAT VALLEYS WITH A MIN. OF (6) 12d TOE NAILS.
 - INSTALL (1) SIMPSON H2.5A HURRICANE TIE (OR EQUAL) @ EA. RAFTER BEARING.
 - REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

ROOF SUPPORT BRACKETS PER BUILDER BUILT-UP w/ MIN. 4 x 4 TRTD. MATERIAL. SECURE BRACKETS TO (3) 2x STUD COLUMN w/ (2) 5/8" GALV. LAG SCREWS EMBEDDED 3" MIN. INTO STUD COLUMN. (TYP.)

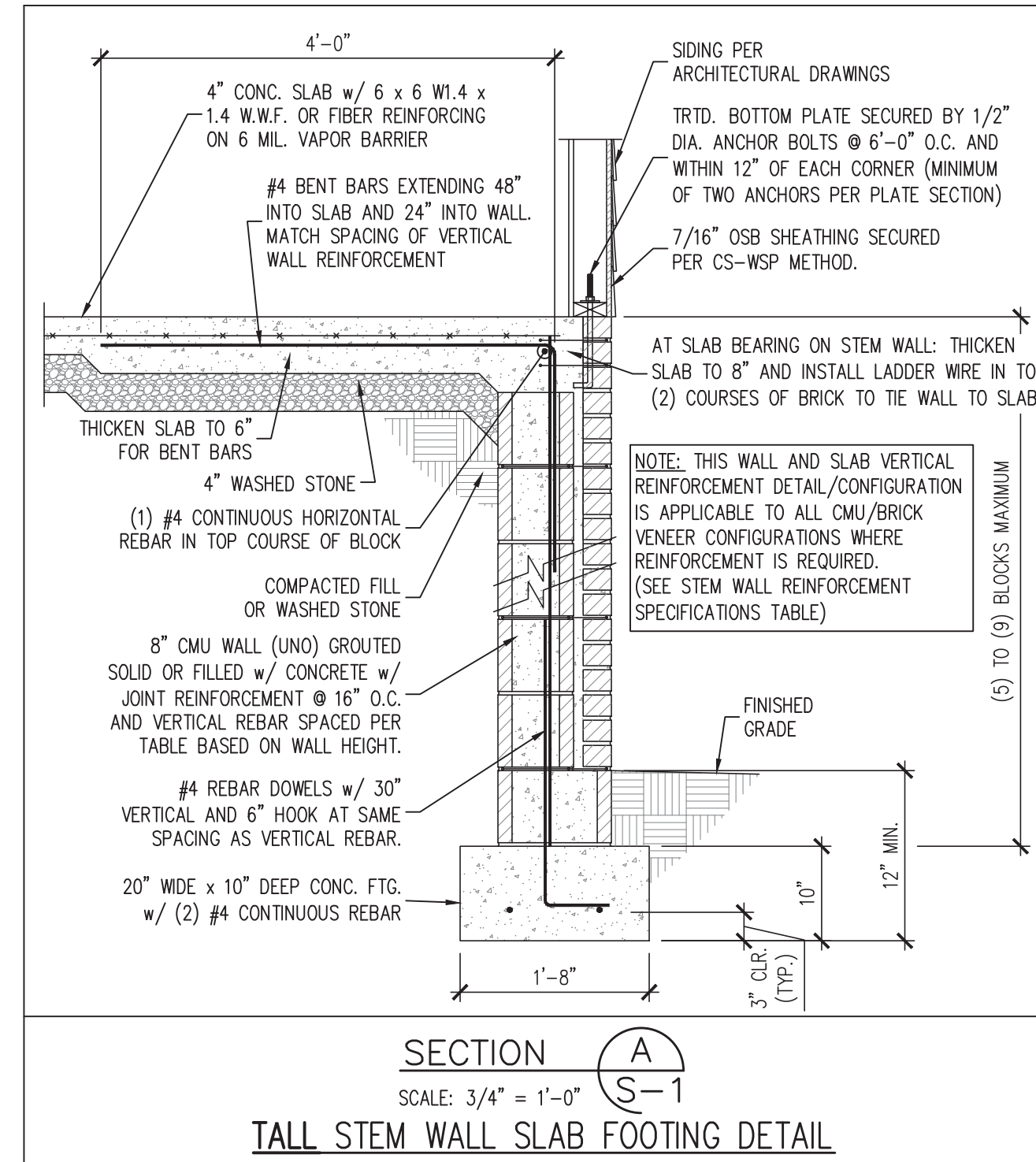
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5

MASONRY STEM WALL REINFORCEMENT SPECIFICATIONS

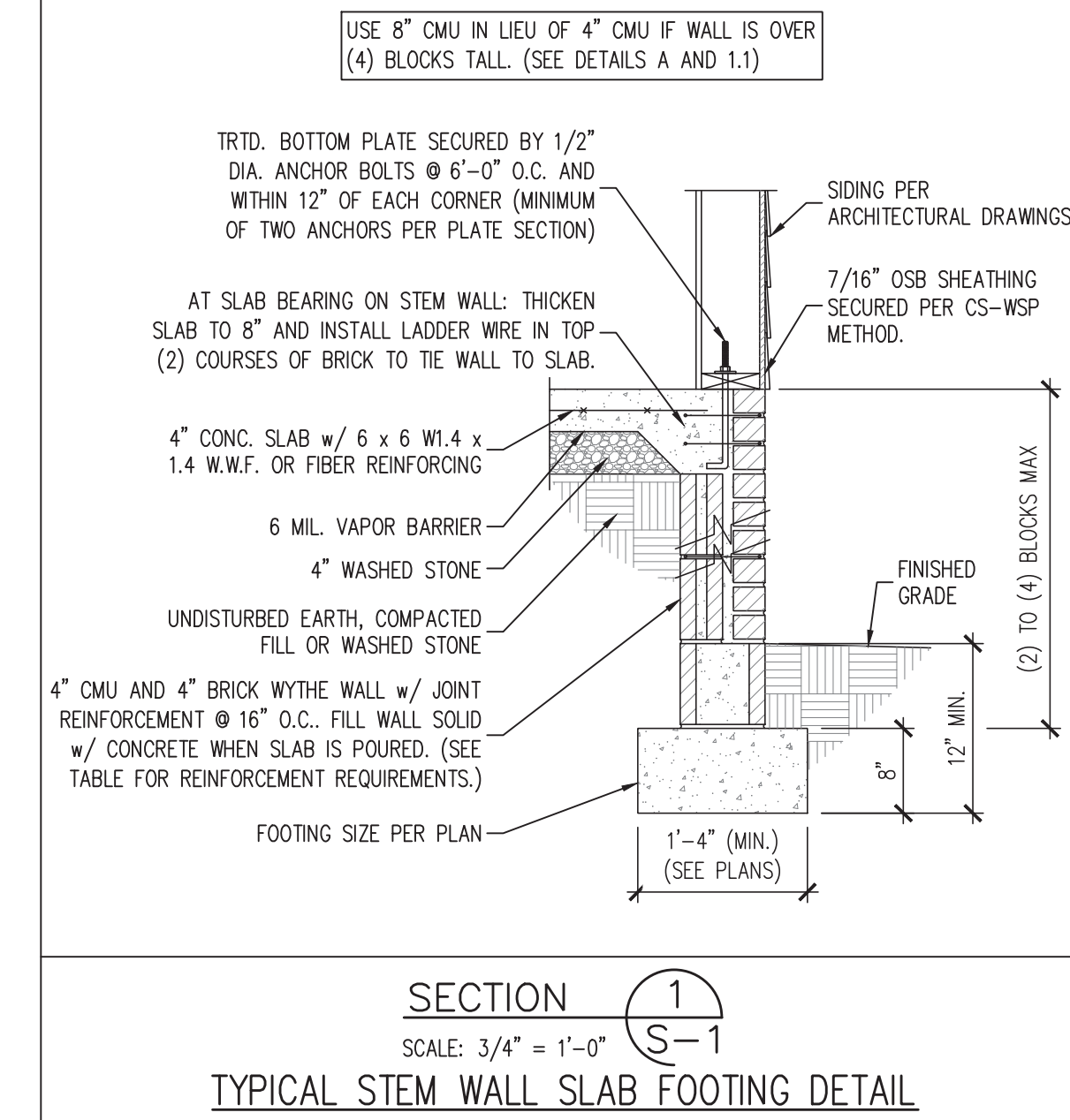
MAX WALL HGT. (# OF BLOCKS)	MASONRY STEM WALL TYPE			
	4" CMU AND 4" BRICK WYTHE	8" CMU	10" CMU	12" CMU
24" OR LESS	GROUTED SOLID	UNGROUTED	UNGROUTED	UNGROUTED
32" (4 BLOCK)	GROUTED SOLID w/ #4 REBAR @ 48" O.C.	GROUTED SOLID	UNGROUTED	UNGROUTED
40" (5 BLOCK)	NOT APPLICABLE	GROUTED SOLID w/ #4 REBAR @ 48" O.C.	GROUTED SOLID w/ #4 REBAR @ 64" O.C.	GROUTED SOLID w/ #4 REBAR @ 64" O.C.
48" (6 BLOCK)	NOT APPLICABLE	GROUTED SOLID w/ #4 REBAR @ 48" O.C.	GROUTED SOLID w/ #4 REBAR @ 56" O.C.	GROUTED SOLID w/ #4 REBAR @ 64" O.C.
56" (7 BLOCK)	NOT APPLICABLE	GROUTED SOLID w/ #4 REBAR @ 48" O.C.	GROUTED SOLID w/ #4 REBAR @ 48" O.C.	GROUTED SOLID w/ #4 REBAR @ 64" O.C.
64" (8 BLOCK)	NOT APPLICABLE	GROUTED SOLID w/ #4 REBAR @ 32" O.C.	GROUTED SOLID w/ #4 REBAR @ 48" O.C.	GROUTED SOLID w/ #4 REBAR @ 48" O.C.
72" (9 BLOCK)	NOT APPLICABLE	GROUTED SOLID w/ #4 REBAR @ 24" O.C.	GROUTED SOLID w/ #4 REBAR @ 32" O.C.	GROUTED SOLID w/ #4 REBAR @ 48" O.C.
GREATER THAN 72"	CONTACT ENGINEER FOR DESIGN PER SITE AND PLAN CONDITIONS			

STEM WALL SLAB FOUNDATION NOTES:

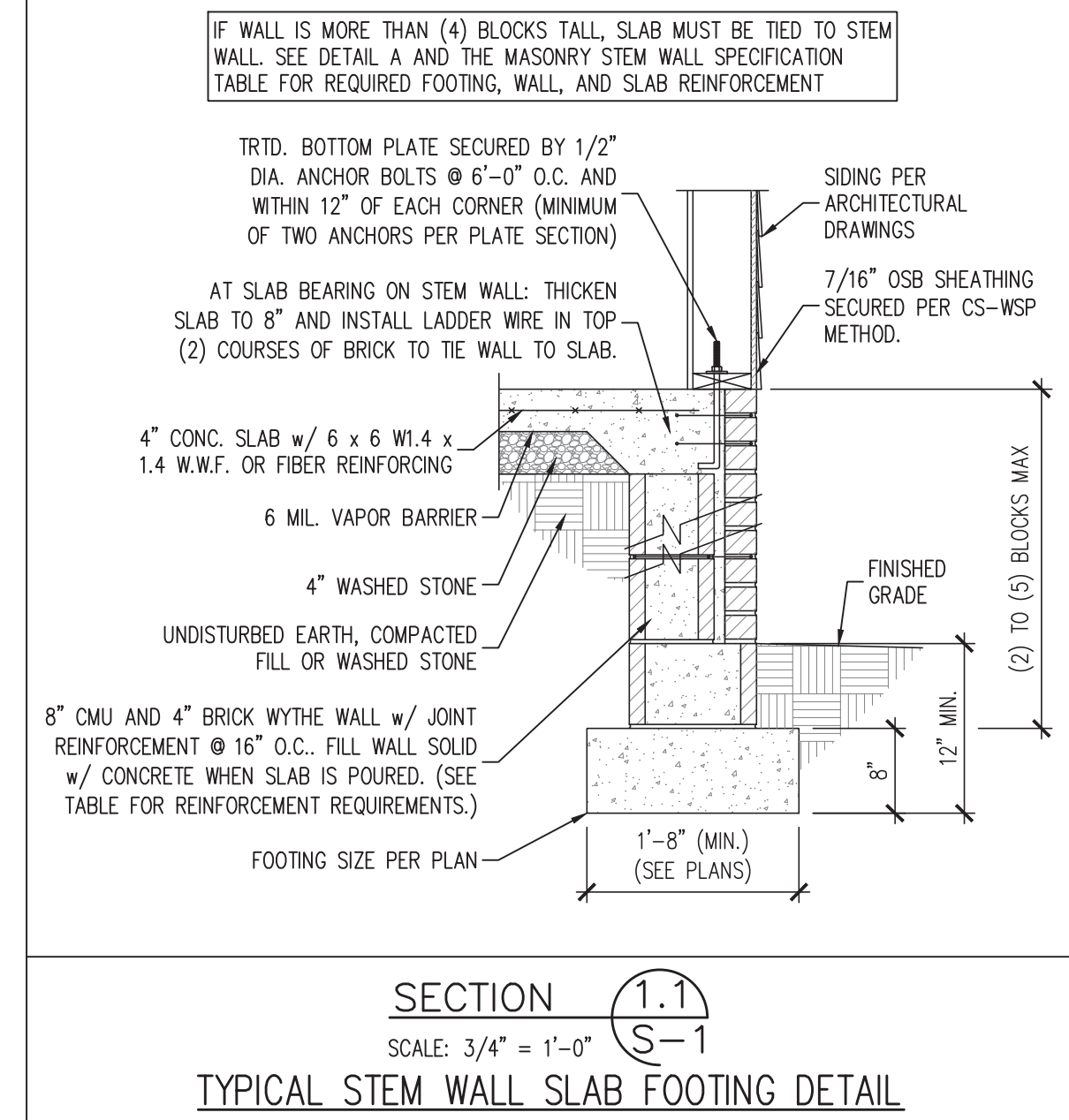
- "BRICK WYTHE" INDICATES STUD WALL BEARING PARTIALLY ON BRICK ON TOP OF STEM WALL.
- PREPARE AREA WITHIN LIMITS OF FOUNDATION OR SLAB PER SECTION R506 OF THE 2018 NCR.
- FILL ALL CELLS WITH REINFORCEMENT OR ANCHOR RODS SOLID WITH TYPE "S" MORTAR OR 3000 PSI CONCRETE.
- WHERE VERTICAL WALL REINFORCEMENT IS REQUIRED IN THE TABLE ABOVE, THE TOP OF THE MASONRY STEM WALL MUST BE TIED TO THE SLAB WITH BENT "L" BARS PER DETAIL A.
- HORIZONTAL JOINT REINFORCEMENT SHALL BE INSTALLED @ 16" O.C. VERTICALLY, WHERE MULTIPLE WYTHES WALLS ARE CONSTRUCTED, JOINT REINFORCEMENT MUST TIE WYTHES TOGETHER.
- REBAR LAP SPLICES SHALL BE 24" FOR #4 REBAR AND 32" FOR #5 REBAR.



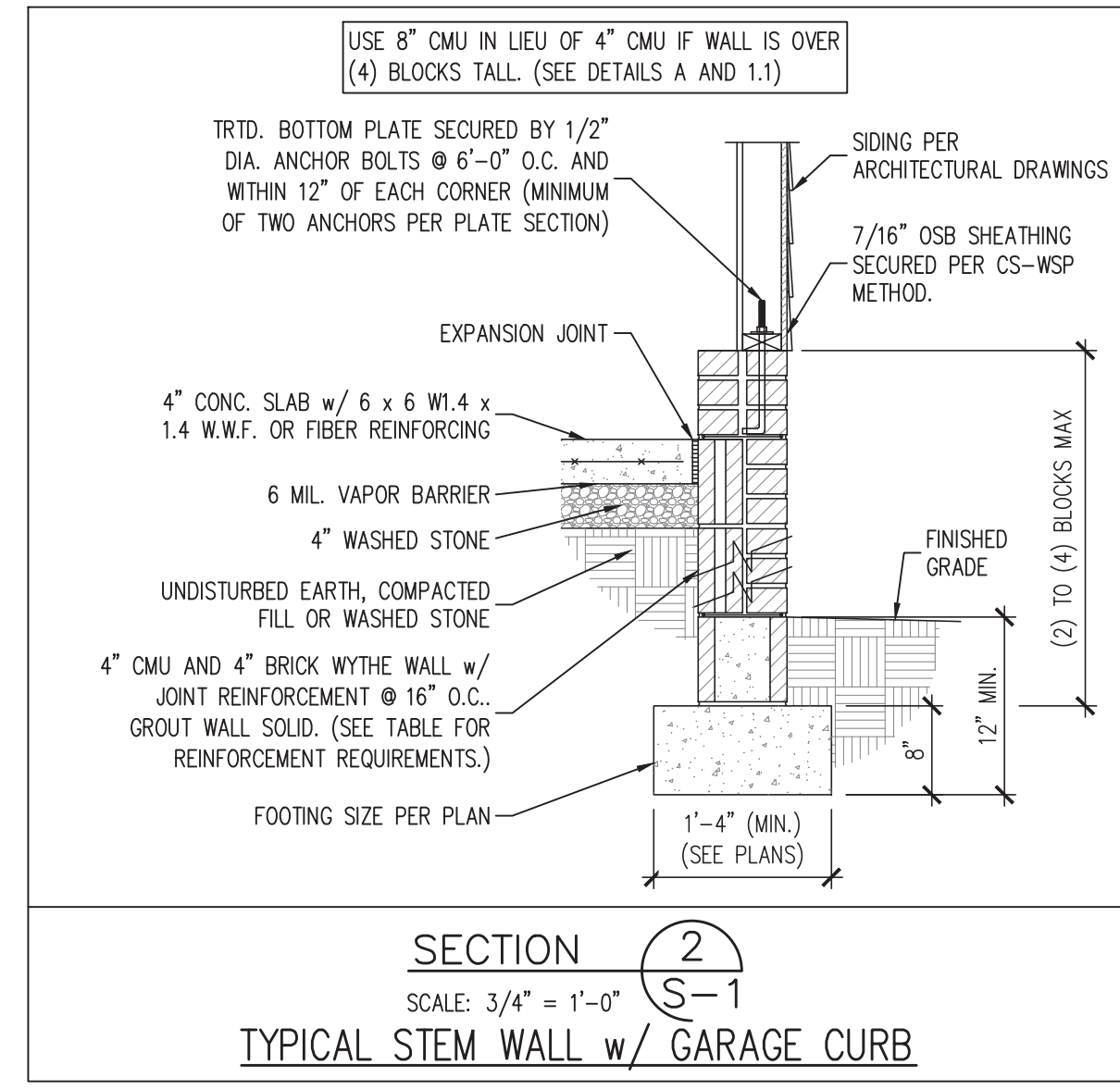
SECTION A
SCALE: 3/4" = 1'-0"
TALL STEM WALL SLAB FOOTING DETAIL



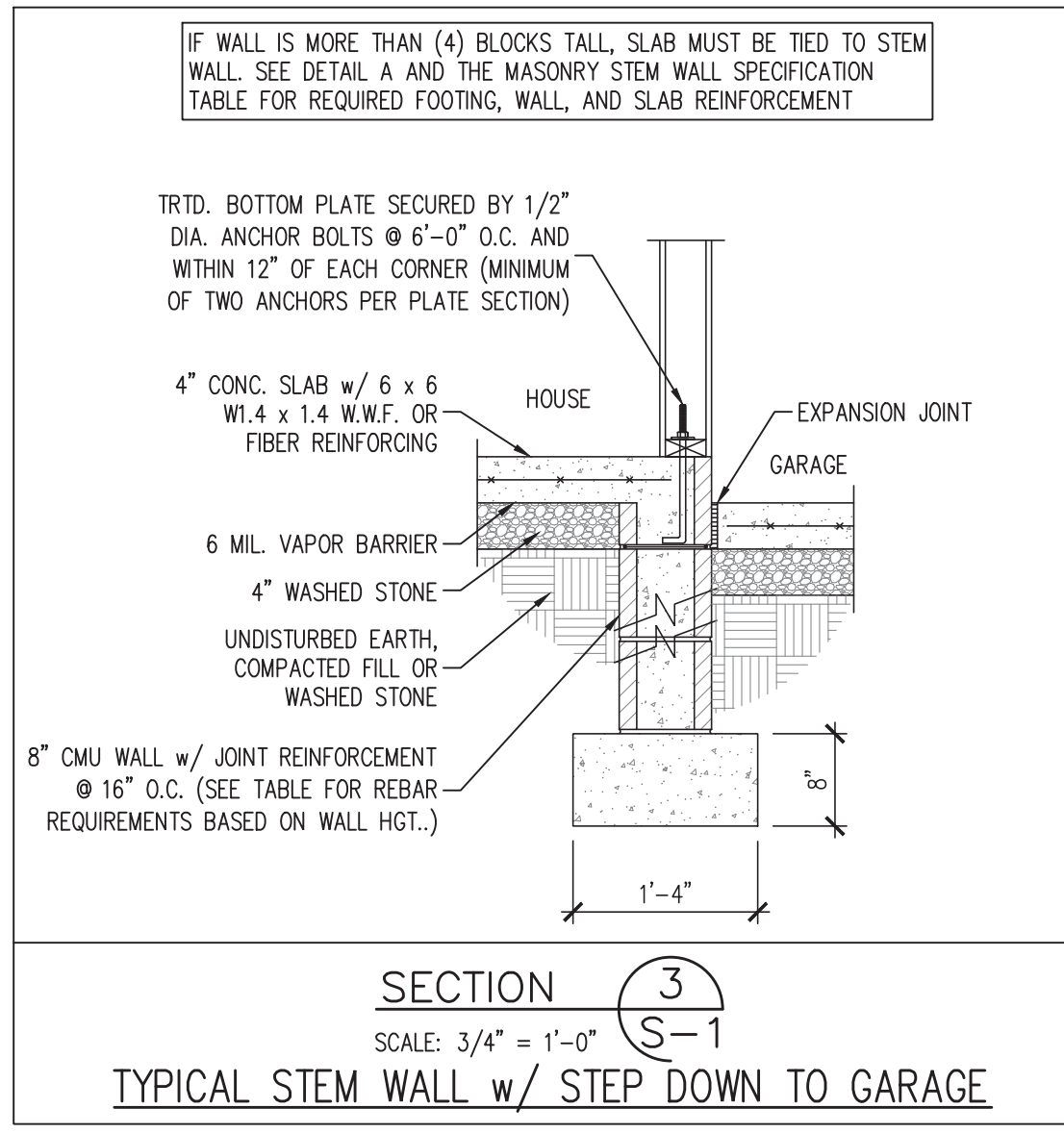
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TYPICAL STEM WALL SLAB FOOTING DETAIL



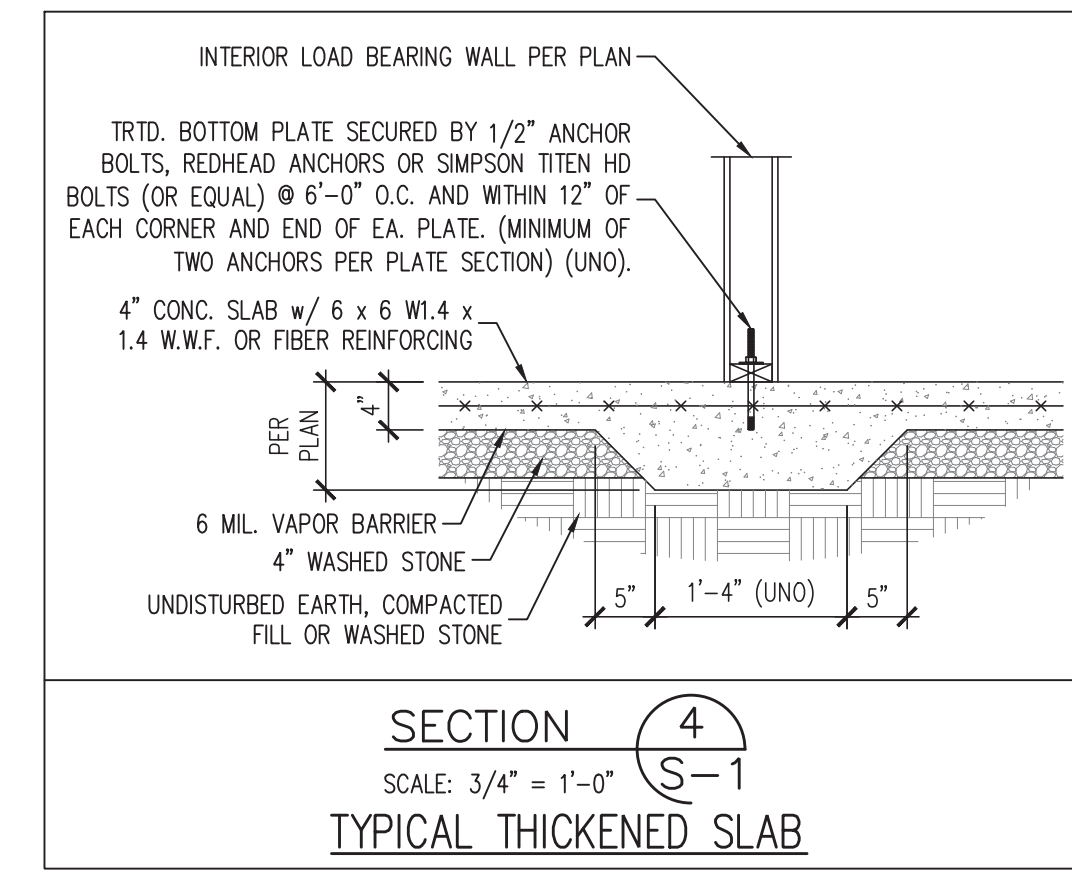
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TYPICAL STEM WALL SLAB FOOTING DETAIL



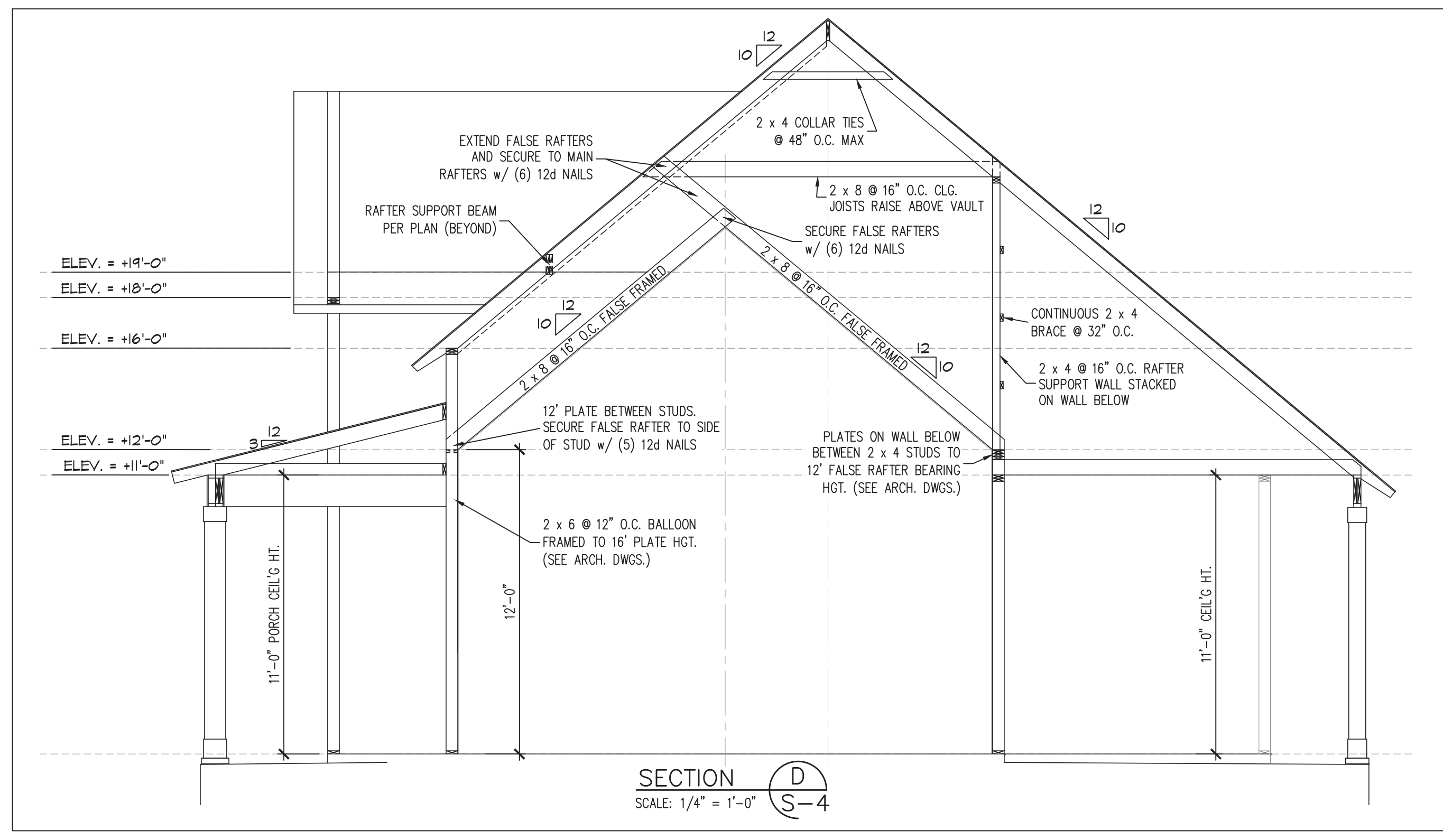
SECTION 2
SCALE: 3/4" = 1'-0"
TYPICAL STEM WALL w/ GARAGE CURB



SECTION 3
SCALE: 3/4" = 1'-0"
TYPICAL STEM WALL w/ STEP DOWN TO GARAGE



SECTION 4
SCALE: 3/4" = 1'-0"
TYPICAL THICKENED SLAB



SECTION D
SCALE: 1/4" = 1'-0"
S-4

GENERAL STRUCTURAL NOTES

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM. ENGINEER'S SEAL DOES NOT APPLY TO I-JOIST OR FLOOR/ROOF TRUSS LAYOUT DESIGN AND ACCURACY.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NCR), 2018 EDITION AND ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK.
- DESIGN LOADS (R301)

ROOMS OTHER THAN SLEEPING ROOMS	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (L)
SLEEPING ROOMS	40	10	L/360
ATTIC WITH LIMITED STORAGE	20	10	L/240
ATTIC WITHOUT STORAGE	10	10	L/360
STAIRS	40	10	L/360
EXTERIOR BALCONIES	40	10	L/360
DECKS	40	10	L/360
HANDRAILS	200 LB OR 50 PLF	10	L/360
PASSENGER VEHICLE GARAGES	50	10	L/360
GROUND SNOW LOAD	20		

WIND LOAD PER SECTION R301.2. (MEAN ROOF HEIGHT <35 FEET, EXPOSURE B)

- I-JOIST FLR. SYSTEMS DESIGNED WITH 12 PSF DL AND L/480 DEFLECTION.

- THE STRUCTURE IS DESIGNED FOR 120 MPH ULTIMATE DESIGN WIND SPEEDS.
- WALL CLADDING DESIGNED FOR +15.5 PSF AND -20 PSF (+/- INDICATE POSITIVE / NEGATIVE PRESSURE (TYP)).
- ROOF CLADDING DESIGNED FOR +14.2 PSF AND -18 PSF FOR ROOF PITCHES 7/12 TO 12/12 AND +10 PSF AND -36 PSF FOR ROOF PITCHED 2.25/12 TO 7/12.
- THE POSITIVE AND NEGATIVE DESIGN PRESSURE FOR DOORS AND WINDOWS FOR A MEAN ROOF HEIGHT OF 35 FEET OR LESS IS 25 PSF.
- FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. CONTACT ENGINEER IF ALLOWABLE BEARING CAPACITY CAN NOT BE ACHIEVED.
- FOUNDATION ANCHORAGE TO COMPLY WITH SECTION R403.1.6 OF THE 2018 NCR.
- FOR ALL CONCRETE SLABS AND FOOTINGS, THE AREA WITHIN THE PERIMETER OF THE BUILDING ENVELOPE SHALL HAVE ALL VEGETATION, TOP SOIL AND FOREIGN MATERIAL REMOVED. FILL MATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL. THE FILL SHALL BE COMPACTED TO 95% TO ASSURE UNIFORM SUPPORT OF THE SLAB, AND EXCEPT WHERE APPROVED, THE FILL DEPTHS SHALL NOT EXCEED 24" FOR CLEAN SAND OR GRAVEL. A 4" THICK BASE COURSE CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A BASE COURSE IS NOT REQUIRED WHERE A CONCRETE SLAB IS INSTALLED ON WELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS GROUP 1, ACCORDING TO THE UNITED SOIL CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R405.1 OF THE NCR, 2018 EDITION.
- CONCRETE SHALL CONFORM TO SECTION R402.2 OF THE NCR, 2018 EDITION. CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI. CONCRETE REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. WELDED WIRE FABRIC SHALL BE ASTM A185. MAINTAIN A MINIMUM CONCRETE COVER AROUND REINFORCING STEEL OF 3" IN FOOTINGS AND 1 1/2" IN SLABS.
- MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402. MORTAR SHALL CONFORM TO ASTM C270.
- THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR UNFILLED HOLLOW CONCRETE MASONRY UNITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS. PIERS MAY BE FILLED SOLID WITH CONCRETE OR TYPE M OR S MORTAR. PIERS AND WALLS SHALL BE CAPPED WITH 8" OF SOLID MASONRY.
- THE CENTER OF EACH PIER SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING. EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF EA. PIER.
- ALL CONCRETE AND MASONRY FOUNDATION WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION R404 OF THE 2018 NCR, OR IN ACCORDANCE WITH ACI 318, ACI 332, NMA TR68-A OR ACE 530/ASCE 5/TMS 402. MASONRY FOUNDATION WALLS SHALL BE REINFORCED PER TABLE R404.1.1(1), R404.1.1(2), R404.1.1(3), OR R404.1.1(4) OF THE 2018 NCR. CONCRETE FOUNDATION WALLS SHALL BE REINFORCED PER TABLE R404.1.1(5) OF THE NCR, 2018 EDITION. STEP FOUNDATION WALLS TO 2 x 6 FRAMED WALLS AT 16" O.C. WHERE GRADE PERMITS (UNO).
- ALL FRAMING LUMBER SHALL BE SPF #2 AND ALL TREATED LUMBER SHALL BE SYP #2 (UNO).
- LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MIN. PROPERTIES: Fb = 2600 PSI, Fv = 285 PSI, E = 1900000 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS.
- ALL LOAD BEARING HEADERS SHALL CONFORM TO TABLES R602.7(1) AND R602.7(2) OF THE 2018 NCR UNLESS NOTED OTHERWISE ON THE PLANS. ALL HEADERS SHALL BE SUPPORTED WITH (1) JACK STUD AND (1) KING STUD EACH END (UNO). SECURE THE FIRST KING STUD EACH SIDE OF THE HEADER TO THE HEADER WITH (4) 16d END-NAILS. INSTALL KING STUDS PER SECTION R602.7.5 OF THE 2018 NCR (UNO).
- ALL I-JOIST AND TRUSS LAYOUTS SHALL BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECIFIED ON THE PLANS. IF ALTERNATE I-JOISTS ARE USED, THE JOISTS MUST HAVE EQUIVALENT STRUCTURAL PROPERTIES TO THOSE SPECIFIED ON THE PLANS. ALL DEVIATIONS TO I-JOIST OR TRUSS LAYOUTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.



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CAMERON, NC 28326

REVISIONS:

NO.	DESCRIPTION

DRAWN BY: MADDEN HOME DESIGN
ENGINEERED BY: J. SMITH
SCALE: 1/4" = 1'-0"
DATE: 3-14-2023
SHEET: 5 OF 6

S-5
STRUCTURAL
DETAILS AND NOTES

