

BUILDER/CONTRACTOR IS RESPONSIBLE TO  
CHECK ALL DIMENSIONS FOR ACCURACY  
BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS.  
ALSO VERIFY ALL BEAM, HEADERS, PAD LOCATIONS,  
AND COLUMN SIZES.

### FRONT ELEVATION

1/4" = 1'0"

ALL NOTES, SECTIONS, AND DRAWINGS  
ARE IN ACCORDANCE WITH THE 2018 IRC

NOTE:  
ACTUAL ELEVATIONS MAY VARY FROM ARCHITECTURAL  
DRAWINGS, DUE TO TERRAIN/BACKFILL PROCESS.  
FRONT ELEVATION IS ARCHITECTURAL DRAWING AND  
MAY VARY DUE TO MATERIALS AVAILABILITY.

THE ESTATES AT  
WOODSIDE RIDGE

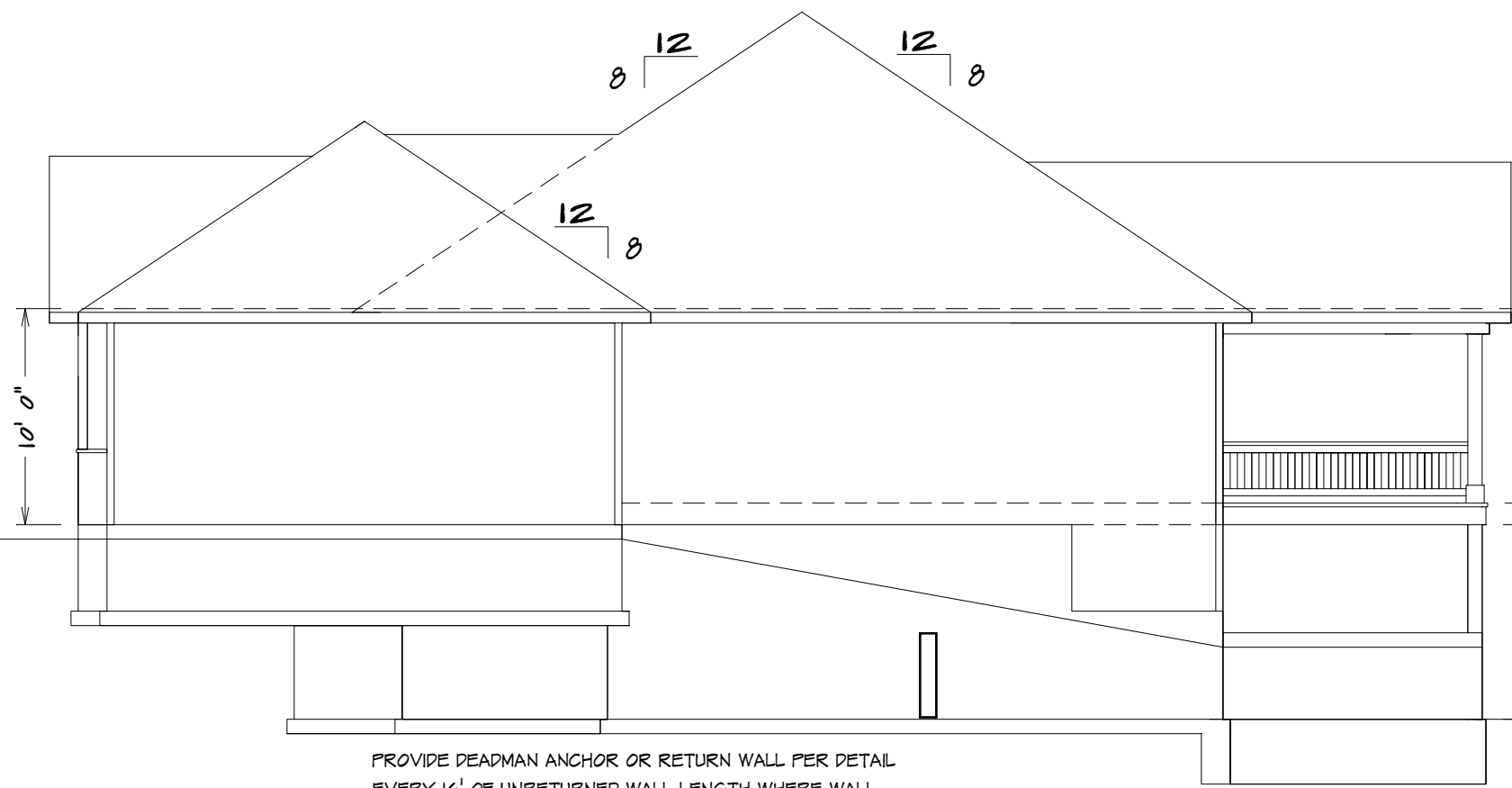
361 PATCH CT.  
LEES SUMMIT MO



PROVIDE DEADMAN ANCHOR OR RETURN WALL PER DETAIL EVERY 16' OF UNRETURNED WALL  
LENGTH WHERE WALL HEIGHT IS NOT FULL HEIGHT AND ADJACENT GRADE IS 4'0" OR  
GREATER. FIELD COORDINATE WITH SITE GRADE. HOLD TOP 1' BELOW ADJ. GRADE.

### REAR ELEVATION

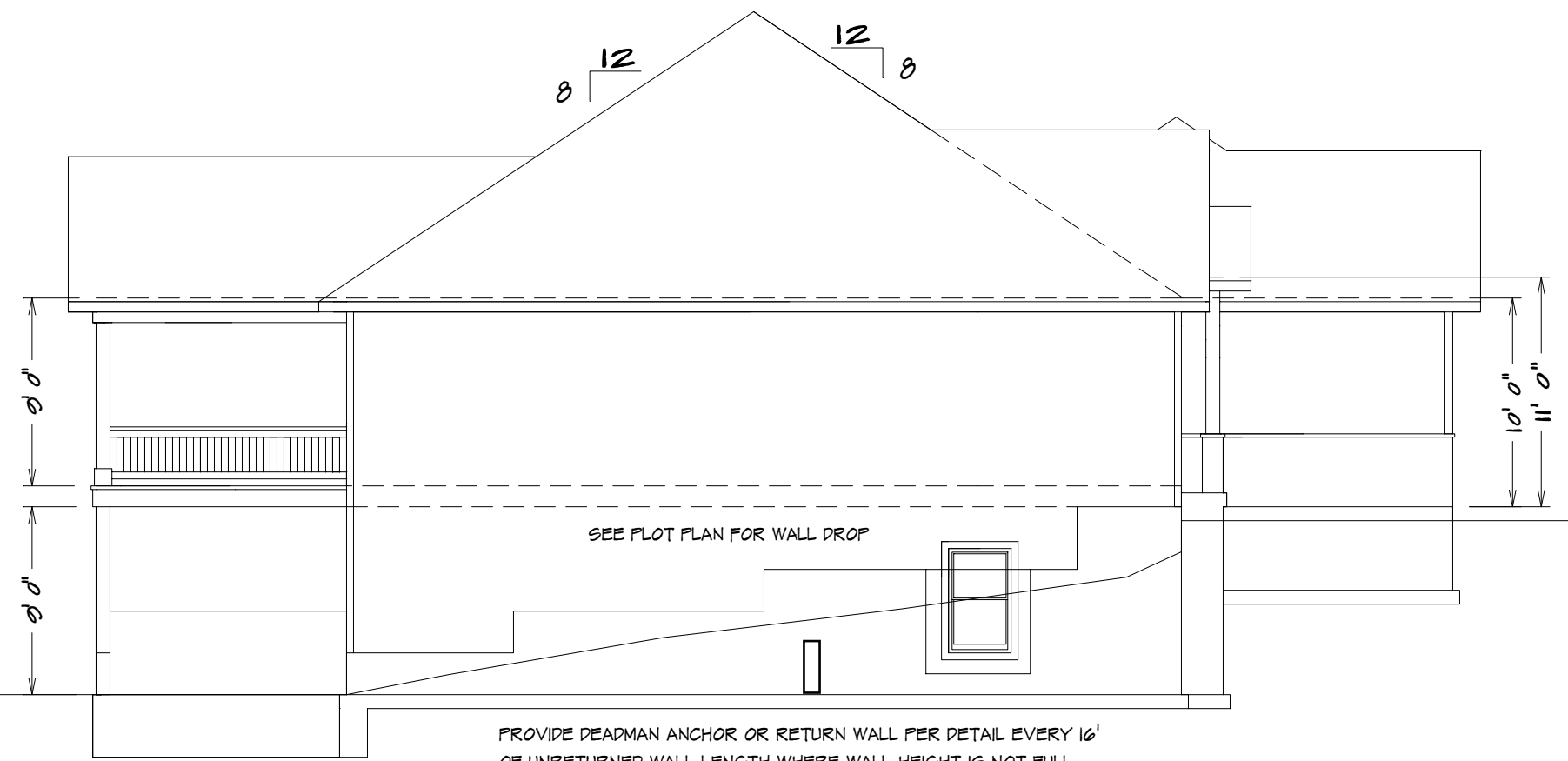
1/8" = 1'0"



PROVIDE DEADMAN ANCHOR OR RETURN WALL PER DETAIL EVERY 16' OF UNRETURNED WALL  
LENGTH WHERE WALL HEIGHT IS NOT FULL HEIGHT AND ADJACENT GRADE IS 4'0" OR  
GREATER. FIELD COORDINATE WITH SITE GRADE. HOLD TOP 1' BELOW ADJ. GRADE.

### RIGHT ELEVATION

1/8" = 1'0"



PROVIDE DEADMAN ANCHOR OR RETURN WALL PER DETAIL EVERY 16' OF UNRETURNED WALL  
LENGTH WHERE WALL HEIGHT IS NOT FULL HEIGHT AND ADJACENT GRADE IS 4'0" OR GREATER. FIELD  
COORDINATE WITH SITE GRADE. HOLD TOP 1' BELOW ADJ. GRADE.

### LEFT ELEVATION

1/8" = 1'0"

#### SQUARE FOOTAGE

LIVING AREA  
FIRST FLOOR = 1867  
BASEMENT = 1327  
COVERED DECK = 284

UNFINISHED AREA  
GARAGE = 727  
MEC RM = 370

STRUCTURAL MEMBER REVIEW AND CERTIFICATION:



**ENGINEERING, P.C.**  
CIVIL ENGINEERING CONSULTANTS  
1805 WATERS ROAD, HARRISONVILLE, MISSOURI 64701  
PH: (816) 380-5150 FAX: (816) 884-3250 EMAIL: MAIL@REOENGINEERING.COM  
MO. CERTIFICATE OF AUTHORITY #2002002187

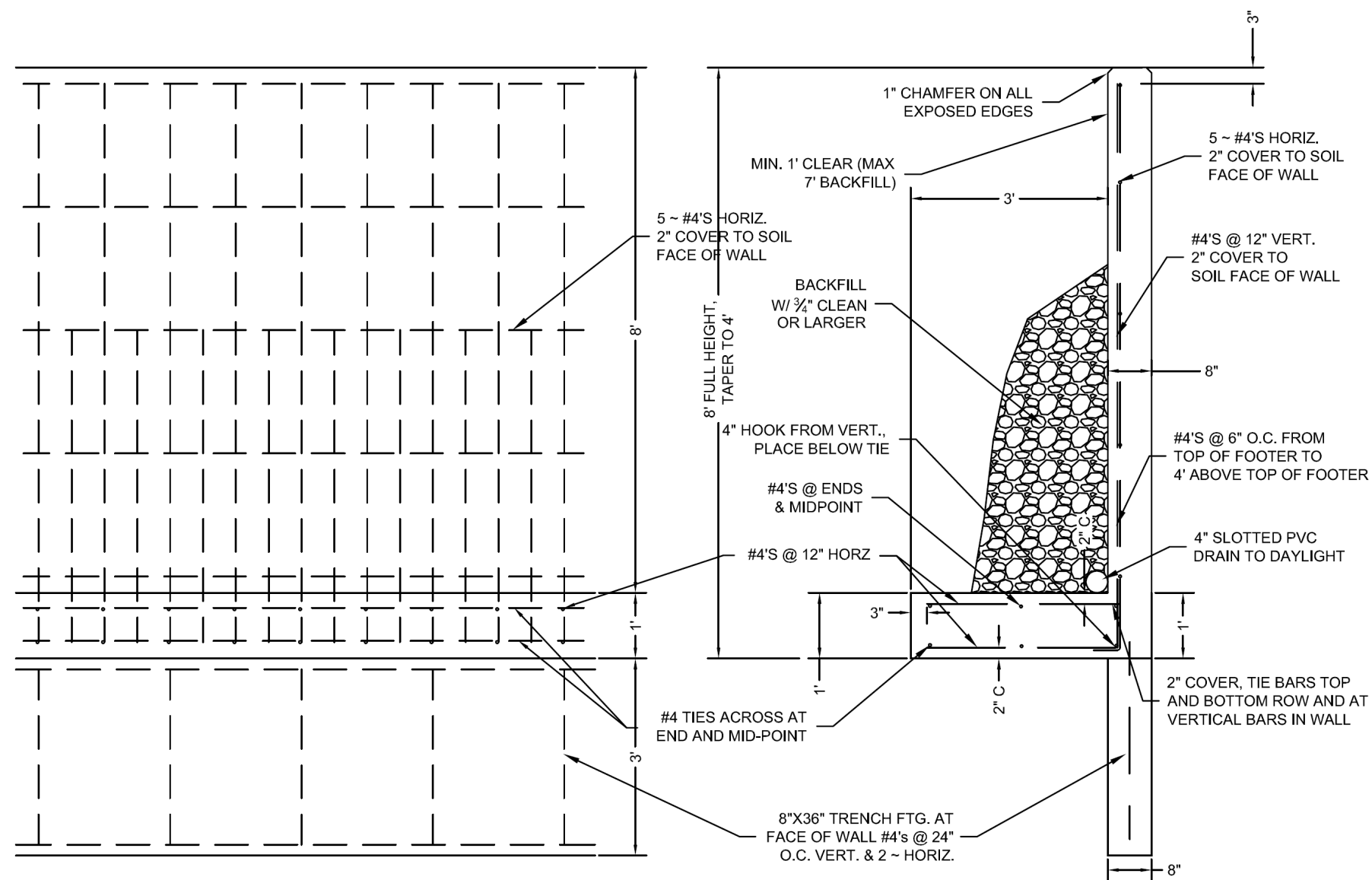
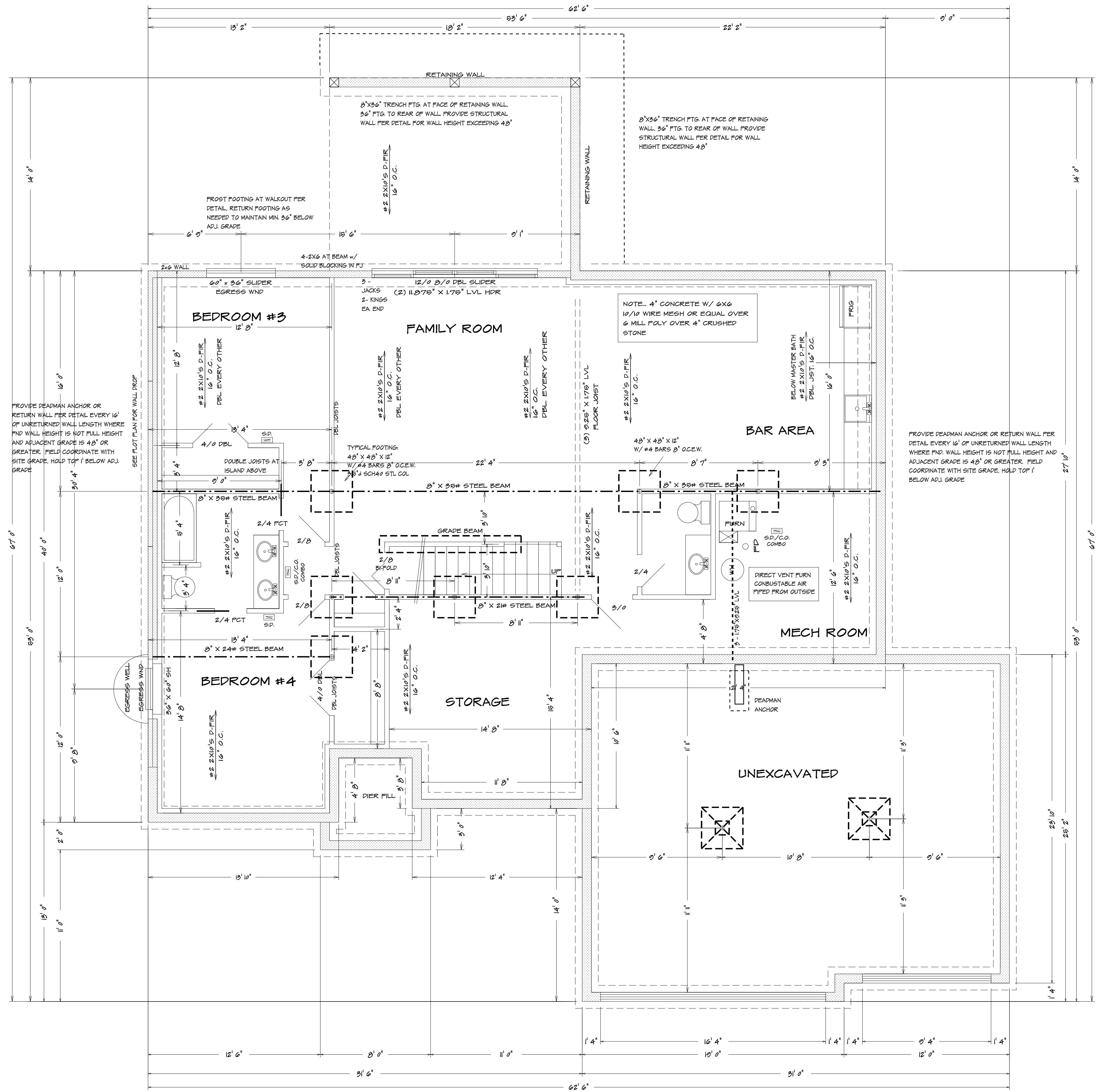
AARON D. OBERMILLER, P.E.  
MS-2002002187-2027  
CERTIFICATION IS PROVIDED HEREON FOR STRUCTURAL ITEMS NOT OTHERWISE ADDRESSED IN THE REQUIREMENTS OF THE 2018  
INTERNATIONAL RESIDENTIAL CODE. ALL CONSTRUCTION, MATERIALS, FASTENING NOT SPECIFICALLY IDENTIFIED SHALL COMPLY  
WITH THE REQUIREMENTS OF THE 2018 IRC AND THEREIN REFERENCED STANDARDS. ANY REQUIRED CLARIFICATIONS OR  
MODIFICATIONS TO STRUCTURAL ITEMS SHALL BE APPROVED BY THE ENGINEER OF RECORD OR OTHER LICENSED PROFESSIONAL  
CAPABLE OF CERTIFYING COMPLIANCE WITH THE MINIMUM STANDARDS OF THE APPLICABLE CODE. ENGINEER SHALL NOT BE HELD  
RESPONSIBLE FOR DRAWING ERRORS AND OMISSIONS IN PLAN OR ELEVATION OF PROVIDED PLANS.

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
BUILDER:	PHONE:	DATE REVISED:	SF-7044	1
SUE-DIVISION:	LOT NO.	DESIGNER:	FILE NAME: 7044 ELEV	APPROX. SQ.FT. 7044

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY  
BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS,  
PAD LOCATIONS, AND COLUMN SIZES. BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK FOR  
CONFLICTS BETWEEN THESE DRAWINGS AND ANY PREVIOUS DRAWINGS. BUILDER/CONTRACTOR  
ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SETBACKS, AND ANY OTHER PLANS.  
BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL  
COPYRIGHT INFRINGEMENTS OR RESUBMISSIONS TO OTHER COPYRIGHTED PLANS.  
BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON-SITE CHANGES MADE  
TO STRUCTURE.



S.D.  
 = SMOKE DETECTOR

[illegible]
$$1/4'' = 1'0''$$

SUB-DIVISION:

LOT NO.

DESIGNER:

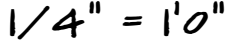
7044 E

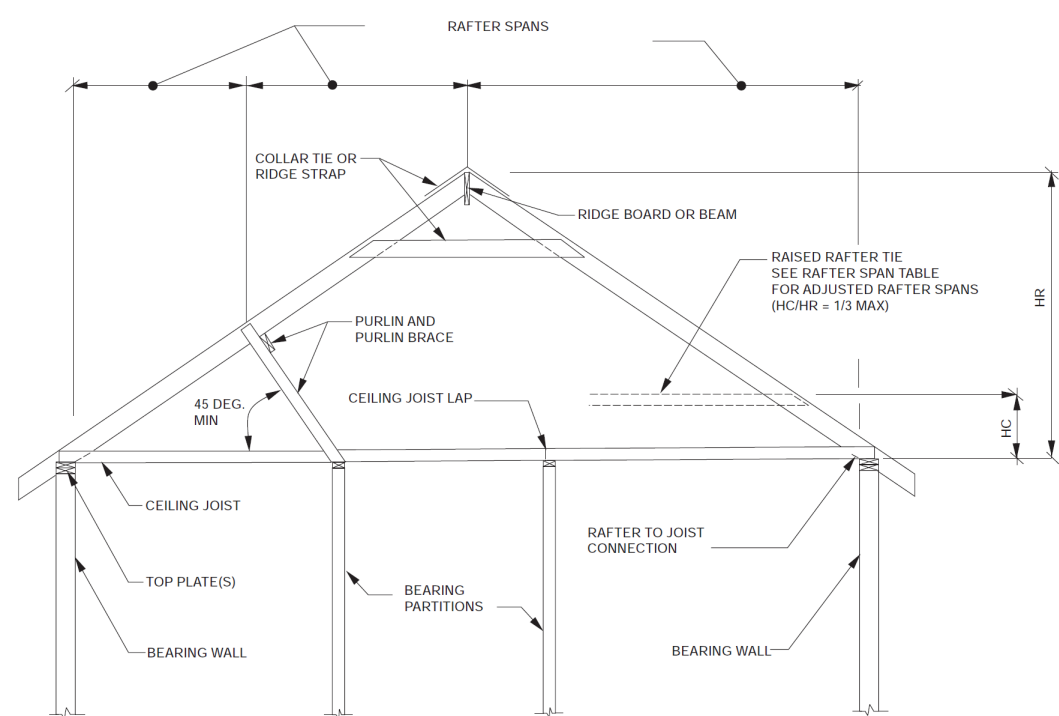
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For SF1 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s.

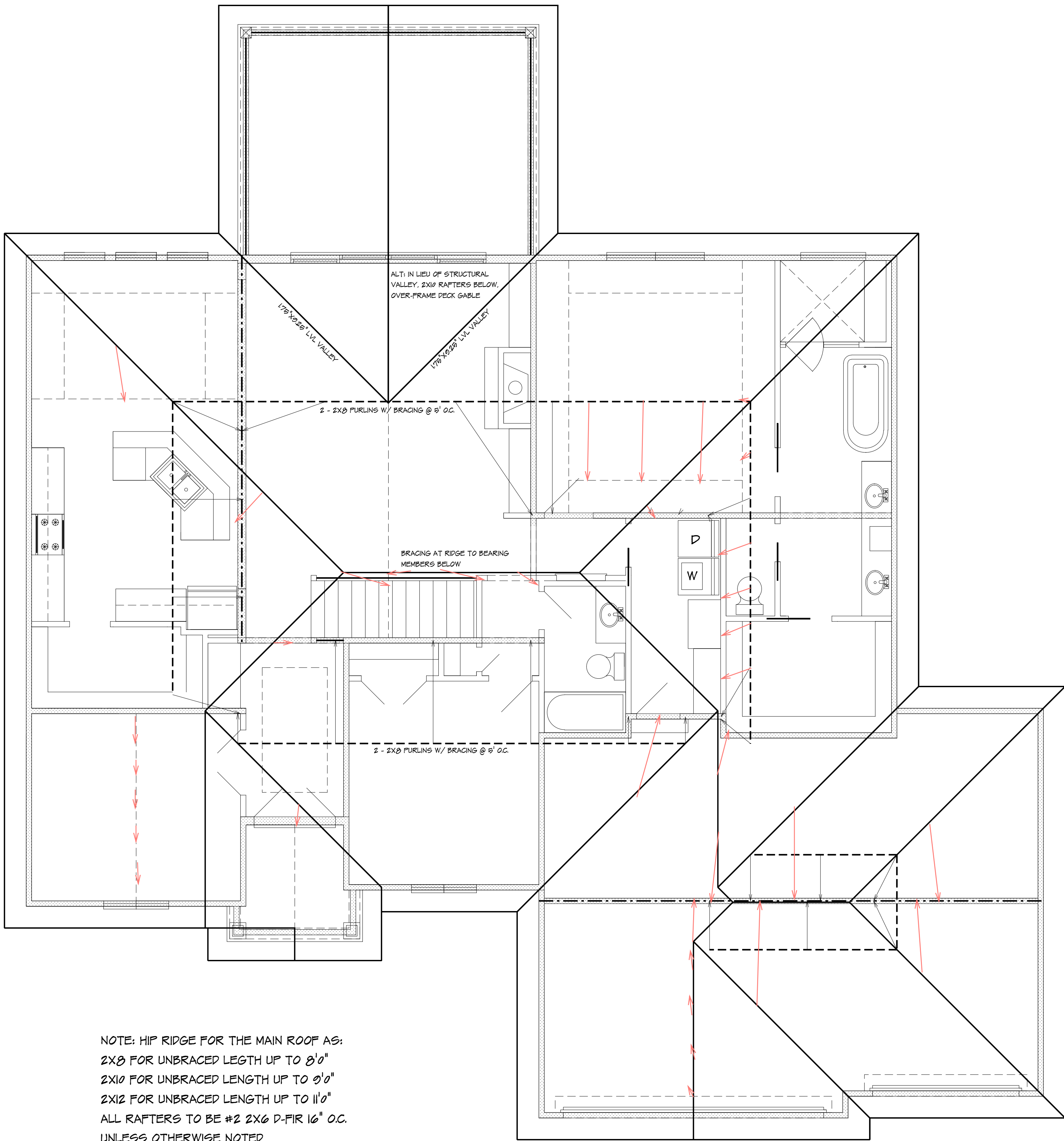
- For Header spans between those given, use the minimum number of full-height studs associated with the larger header span.
- The tabulated minimum number of full-height studs is applicable where jack studs are provided to support the header at each end in accordance with Table R602.7(1). Where a framing anchor is used to support the header in lieu of a jack stud in accordance with Note d of Table R602.7(1), the minimum number of full-height studs at each end of a header shall be in accordance with requirements for wind speed < 140 mph, Exposure B.





For SI: 1 inch = 25.4 mm, 1 foot = 305 mm, 1 degree = 0.018 rad.  
 $H_c$  = Height of ceiling joists or rafter ties measured vertically above the top of rafter support walls.  
 $H_r$  = Height of roof ridge measured vertically above the top of the rafter support walls.

FIGURE R802.4.5  
BRACED RAFTER CONSTRUCTION



NOTE: HIP RIDGE FOR THE MAIN ROOF AS:  
 2X8 FOR UNBRACED LENGTH UP TO 8'0"  
 2X10 FOR UNBRACED LENGTH UP TO 9'0"  
 2X12 FOR UNBRACED LENGTH UP TO 11'0"  
 ALL RAFTERS TO BE #2 2X6 D-FIR 16" O.C.  
 UNLESS OTHERWISE NOTED  
 PURLING RAFTERS TO BEARING WALL LINES  
 CONNECT RAFTERS TO CEILING JOIST W/ 4-16d  
 GALV. NAILS  
 CONNECT RAFTERS TO RIDGE, VALLEY, AND  
 HIP W/ 4-16d GALV. NAILS  
 VERT. RIDGE AND RAFTER SUPPORTS TO BE  
 EQUAL TO OR GREATER THAN THE DEPTH OF  
 RAFTERS

# ROOF ELEVATION

1/4" = 1'0"

BEARING WALL LINES

ROOF DESIGNED WITH:  
 LIVE LOAD = 20 PSF  
 DEAD LOAD = 10 PSF

ALL NOTES, SECTIONS, AND DRAWINGS  
 ARE IN ACCORDANCE WITH THE 2018 IRC

HOME BUYER:	DATE DRAWN:	PLAN NO.	SHEET NO.
	DATE REVISED:	SF-7044	4
	DESIGNER:	FILE NAME:	APPROX. SQ.FT.
BUILDER:		7044 ROOF	
SUB-DIVISION:			
BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION AND ELEVATIONS ALSO VERIFY ALL BEAM, HEADERS, AND LOCATIONS, AND COLUMN SIZES. BUILDER/CONTRACTOR'S RESPONSIBILITY TO CHECK FOR CORRECTNESS OF ALL DIMENSIONS AND LOCATIONS. BUILDER/CONTRACTOR'S RESPONSIBILITY TO ACCEPT ALL RESPONSIBILITY FOR LOT PLACEMENT, SETBACKS, AND OTHER PLANS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESUBMITTANCES TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.			





BRACED WALL LINES				
WALL	SPACING	TYPE	REQ'D	PROVIDED
1	15' 0"	WSP	6' 6"	12' 0"
2	26' 0"	LI B/GB	9' 6"	16' 0"
3	15' 6"	WSP	6' 6"	12' 0"
4	4' 6"	WSP	3' 6"	8' 0"
A	14' 0"	WSP/CS-WSP	6' 6"	14' 0"
B	20' 0"	LI B/GB	9' 6"	16' 0"
C	12' 6"	LI B	6' 6"	12' 0"
D	6' 6"	FFH	2' 0"	6' 0"

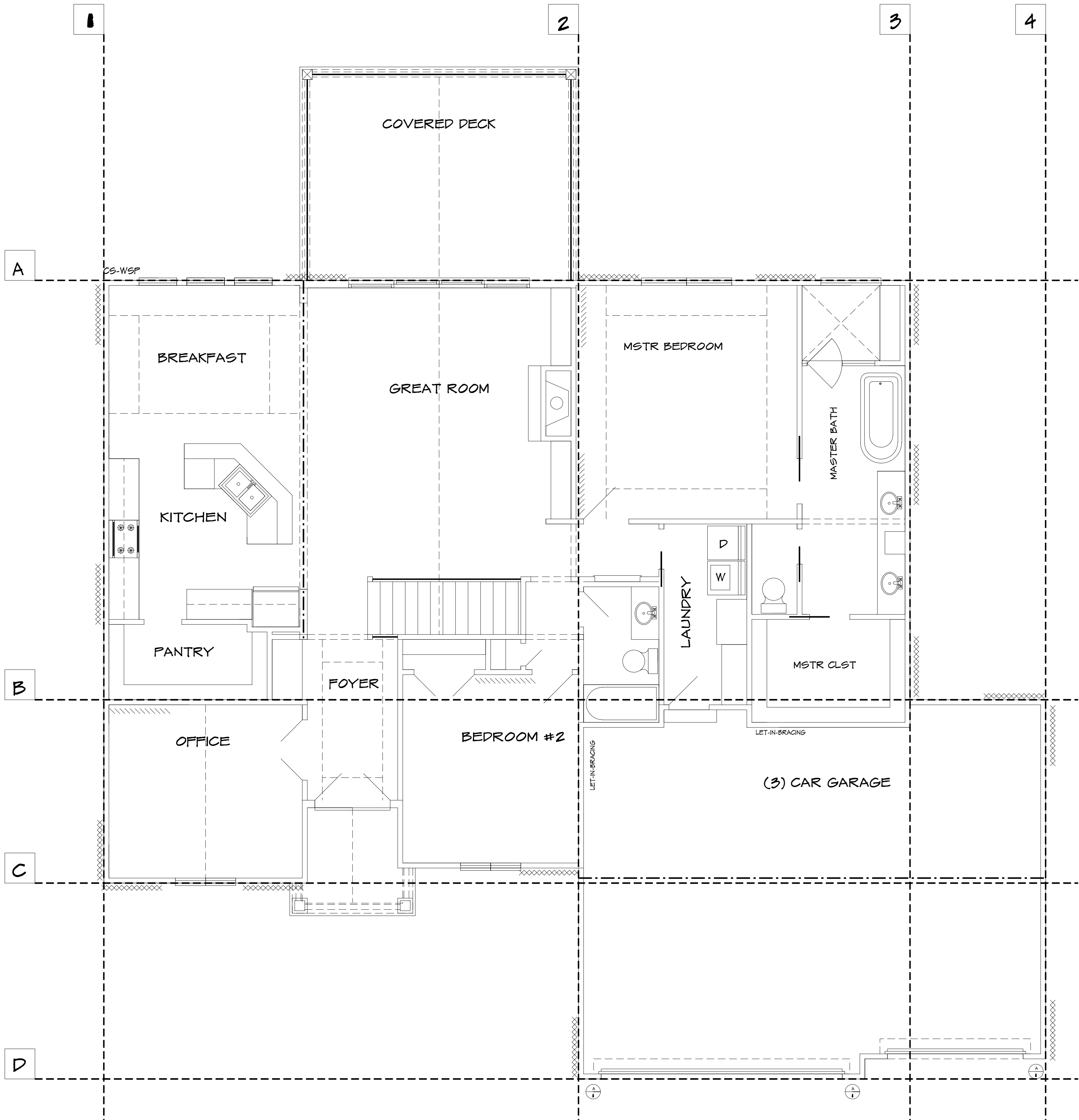
WSP - WOOD STRUCTURAL PANEL, 7/16" WSP FASTENED w/ B4 @ 6' O.C. PERIMETER, 12" O.C. INTERIOR FOR MIN. 40" WHERE LOCATED

CS-WSP CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL, 7/16" WSP w/ B4 @ 6' O.C. PERIMETER, 12" O.C. INTERIOR

LI B - LET-IN-BRACING PER CODE OR ALTERNATE MANUFACTURER RATED STEEL STRAP INSTALLED PER MANUFACTURER'S REQUIREMENTS

GB - GYPSUM BOARD, 1/2" GYP. BOARD WITH FASTENERS AT 7' O.C. THROUGHOUT

FFH - PORTAL FRAME WITH HOLD-DOWNS PER CODE DETAIL



FIRST FLOOR  
WALL BRACE PLAN  
1/4" = 1'0"

HOME BUYER:	PHONE:	SHEET NO.	PLAN NO.	SHEET NO.
	PHONE:	DATE DRAWN:	SF-7044	5
	LOT NO.	DATE REVISED:	FILE NAME:	APPROX. SQ.FT.
BUILDER:		DESIGNER:	7044 WBS	
SUE-DIVISION:				
BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION AND ELEVATIONS ALSO VERIFY ALL BEAM, HEADERS, AND COLUMN SIZES. BUILDER/CONTRACTOR'S RESPONSIBILITY TO CHECK FOR CORRESPONDENCE TO ALL DIMENSIONS AND ELEVATIONS. BUILDER/CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SETBACKS, AND ALL DIMENSIONS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESUBMITTALS TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.				





WINDOW SIZES SHOWN ARE APPROXIMATE.  
THE BUILDER SHALL SELECT WINDOWS TO MEET BUILDING CODE  
REQUIREMENTS AND TO FIT IN THE AVAILABLE SPACE. OVERALL  
ROUGH OPENINGS FOR MULLED UNITS WILL VARY BY  
WINDOW/ DOOR MANUFACTURER.

GARAGE  
THE GARAGE FLOOR SHALL BE SLOPED TOWARD GARAGE DOORS  
DOORS BETWEEN GARAGE AND DWELLING - MIN 1 3/8" SLOD COR  
OR HONEY COMBED STEEL DOOR OR 20 MIN. RATED.  
GARAGE TO HAVE 5/8" TYPE X GYPSUM THROUGHOUT  
THE H-FRAM SHALL CONSIST OF 2X6 FRAMING

EMERGENCY EGRESS  
PROVIDE ONE WINDOW FROM EACH BEDROOM THAT HAS A MIN.  
OPENABLE AREA OF 5.7 SQ. FT. WITH A MIN. OPENABLE HEIGHT OF  
24" AND WIDTH OF 21"

CARBON MONOXIDE ALARMS  
CARBON MONOXIDE ALARMS FOR NEW CONSTRUCTION, AN  
APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED  
OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE  
VICINITY OF THE BEDROOMS IN DWELLING UNITS WITHIN WHICH  
FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS  
THAT HAVE ATTACHED GARAGE

GUARD OPENING LIMITATIONS  
REQUIRED GUARDS ON OPEN SIDES OF STAIRWAYS, RAISED FLOOR  
AREA, BALCONIES, AND PORCHES SHALL HAVE INTERMEDIATE RAILS  
OR ORNAMENTAL CLOSURES THAT DO NOT ALLOW PASSAGE OF A  
SPHERE 4" OR MORE IN DIAMETER.

**SMOKE ALARMS**  
PROVIDE SMOKE ALARMS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING ROOM AND ON EACH FLOOR, INCLUDING BASEMENT. ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE DWELLING.

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LOWER 1/3 OF ATTIC SPACE @ 16" x WITH (3) 16d COM  
(3 1/2"x16d) NAILS EA END.  
COLLAR TIES SHALL BE PROVIDED IN THE ATTIC SPACE IN THE  
UPPER 1/3 OF ATTIC  
RAFTER CONNECTIONS DESIGNED TO RESIST UPLIFT FORCES  
PER 2010 IRC TABLE D021. ROOF HEADERS DO NOT HAVE  
NOTABLE UPLIFT TO REQUIRE HOLD DOWNS.  
PROVIDE METAL FLASHING AT ALL ROOF VALLEYS.  
ROOF AND SOFFIT VENTING PER LOCAL CODES. WHERE POSSIBLE.  
PROVIDE ROOF VENTING ON BACK SIDE OF ROOF.  
EXACT GUTTER AND DOWNSPOUT LOCATION BY GUTTER INSTALLER

**ROOF BRACING**  
ROOF FURLING IS TO BE PLACED APPROXIMATELY WHERE SHOWN ON  
ROOF FURLING. USE 2x6 STUD GRADE FURLIN PLACED  
PERPENDICULAR TO RAFTERS (UNLESS NOTED OTHERWISE ON  
PLANS)  
 Ridge, Hip, Valley, and FURLIN BRACE STRUTS TO BE PLACED AS  
SHOWN ON PLANS. STRUTS TO BE 2x4 STUD GRADE w/ MAXIMUM  
UNBRACED LENGTH OF 8'-0" AND AT A 45° ANGLE w/ HORIZONTAL  
GREATER (VERTICAL WHERE POSSIBLE)  
BRACES LONGER THAN 8'-0" SHALL BE 2x4 STRONG BACK BRACE

EXHAUST AIR  
BATHROOMS, WATER CLOSET COMPARTMENTS AND OTHER  
SIMILAR ROOMS SHALL BE PROVIDED WITH AGGREGATE GLAZING  
AREA IN WINDOWS OF NOT LESS THAN 3 SQUARE FEET, ONE-HALF  
OF WHICH MUST BE OPERABLE  
EXCEPTION:  
THE GLAZED AREAS SHALL NOT BE REQUIRED WHERE ARTIFICIAL  
LIGHT AND A LOCAL EXHAUST SYSTEM ARE PROVIDED. THE  
MINIMUM LOCAL EXHAUST RATE SHALL BE DETERMINED IN  
ACCORDANCE WITH SECTION 909.7. EXHAUST AIR FROM THE  
SPACE SHALL BE EXHAUSTED DIRECTLY TO THE OUTDOORS

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7. ALL GLAZING IN WINDOWS AND DOORS SHALL COMPLY WITH THE TEST CRITERIA FOR CATEGORY II IN ACCORDANCE WITH CP 16 CFR 1201.

8. WINDOW MANUFACTURER TO CONFIRM EXACT SAFETY AND EGRESS WINDOW LOCATIONS PER LOCAL CODES.

1. ALL STUD WALL FRAMING SHALL BE CONTINUOUS FROM THE FLOOR TO ROOF OR CEILING  
DIAPHRAGM. U.N.O. ALL WALLS OVER 10'-0" ARE TO BE 2x6 @ 16" O.C.
2. PROVIDE WATER-RESISTANT EXTERIOR WALL COVERING ON ALL FRAMED WALLS TO COMPLY WITH IRC SECTION 202.3.
3. PROVIDE GFI ELECTRICAL OUTLETS ON EXTERIOR, IN UNFINISHED BASEMENT, IN BATHROOMS, ABOVE KITCHEN COUNTERS, IN GARAGE, AND WITHIN 6'-0" OF ANY SINK.
4. ALL EXTERIOR DOORS SERVED BY LANDING.
5. INSTALL CARBON MONOXIDE DETECTORS PER IRC SECTION 2805 OUTSIDE OF EACH SLEEPING AREA.
6. INSTALL SMOKE DETECTORS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING AREA, WITH A MINIMUM OF ONE ON EACH FLOOR PER IRC SECTION 241.
7. PROVIDE A "WET" GROUND PER IRC 240.9.1.

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1. ALL FOOTINGS ARE TO BE EXTENDED TO MIN 36" BELOW FINISHED GRADE.
2. ALL INTERIOR FOOTINGS FOR LOAD BEARING WALLS AND COLUMNS SHALL BE ISOLATED FROM THE BASEMENT FLOOR SLAB.
3. FOR ALL CONC WALL OPENINGS, PROVIDE 1 WALL STEEL, PROVIDE ONE #4 BAR, 48" LONG DIAGONALLY AS CLOSE AS PRACTICAL TO CORNER.
4. ALL REINFORCEMENT SHALL BE LAPPED A MIN OF 24" AT ENDS SPICES AND AROUND CORNERS.
5. ANCHOR BOLTS ARE TO BE SPACED @ 36" w/ 7" MIN EMBED. A BOLT SHALL BE PLACED WITHIN 12" OF THE END OF EACH PLATE SECTION.
6. FASTEN JOISTS TO SILL PLATES w/ (3) #4 CONC NAILS.
7. WHERE JOIST IS PARALLEL TO FOUNDATION, PROVIDE SILL BRACING @ 32" FOR (1ST JOIST SPACES). FASTEN TO SILL PLATE PER NOTE 6.
8. VAPOR BARRIER, 6 MIL PE VAPOR RETARDER WITH JOINTS LAPPED A MIN OF 6" BETWEEN SLABS IN BASE.
9. DAMP PROOFING: ONE COAT (MIN) OF DAMP PROOFING OR EQUIVALENT FOUNDATION MEMBRANE SHALL BE APPLIED TO EXTERIOR WALL SURFACES BELOW GRADE. SEAL THE JOINTS, VOIDS BEFORE INSTALLATION.
10. FOUNDATION DRAIN: INSTALL CONC 4" PERFORATED PVC DRAIN TILE. DRAIN TILE TO BE EXTENDED TO SQUARE SUMP PIT WHICH EXTENDS A MIN 24" BELOW BASEMENT FLOOR.
11. ALL FRAMING MEMBERS IN CONTACT WITH CONCRETE SHALL BE ACO TREATED LUMBER.
12. ALL STEEL FASTENERS (INCLUDING FOUND. ANCHOR BOLTS) ON ACO TO BE (DOUBLE HOT-DIPPED) GALVANIZED.
13. PROVIDE A "UPER" GROUND PER IRC 3602.1 REQUIRE A "UPPER" GROUND PER IRC 3602.1.1. EGRESS WELL REQUIREMENTS:
  - A. IF THE VERTICAL DISTANCE FROM THE WINDOW SILL TO ADJACENT GRADE IS GREATER THAN 44", PROVIDE A LADDER.
  - B. ADD DRAIN TO DAYLIGHT OR SUMP PUMP.

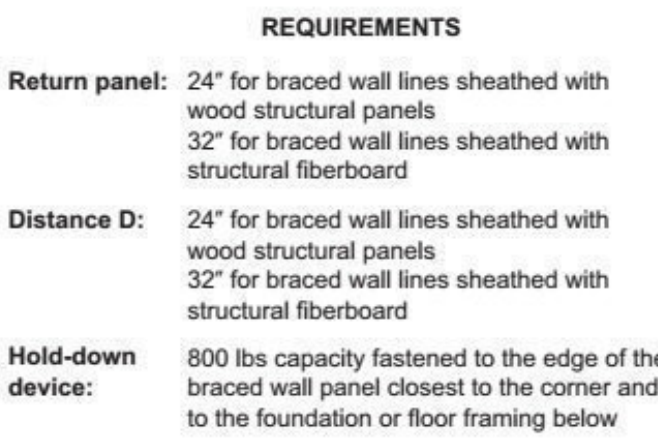
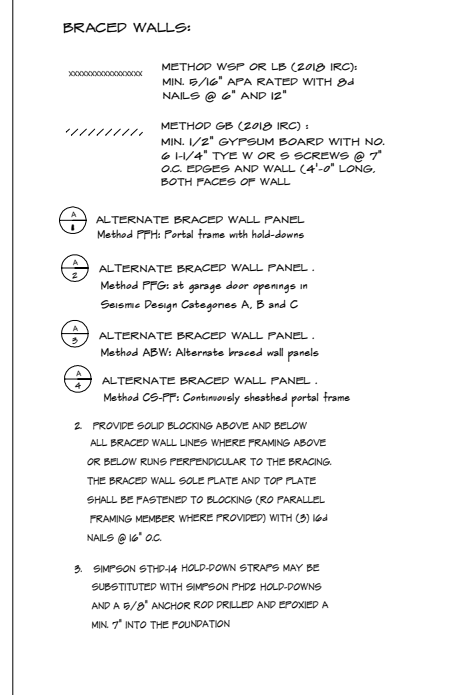
CONTRACTOR TO PROVIDE ENERGY AUDIT USING THE HEERS ENERGY RATING SYSTEM. IN LIEU OF AN ENERGY AUDIT, THE FOLLOWING PRESCRIPTIVE REQUIREMENTS MAY BE FOLLOWED:

- A. ALL DUCTS, AIR HANDLERS, FILTER BOXES, AND BUILDING ALL DUCTS, AIR HANDLERS, FILTER BOXES, AND BUILDING CAVITIES TO BE SEALED PER IRC SECTION N103.2.
- B. THE BUILDING THERMAL ENVELOPE IS REQUIRED TO BE SEALED THE BUILDING THERMAL ENVELOPE IS REQUIRED TO BE SEALED PER IRC SECTION N103.2.
- C. CONTRACTOR TO SUBMIT "MANUAL J" AND "MANUAL D" CALCULATIONS FOR THE HVAC SYSTEM
- D. INSULATION TO COMPLY WITH IECC AS FOLLOWS:
- INSULATION TO COMPLY WITH IECC AS FOLLOWS:

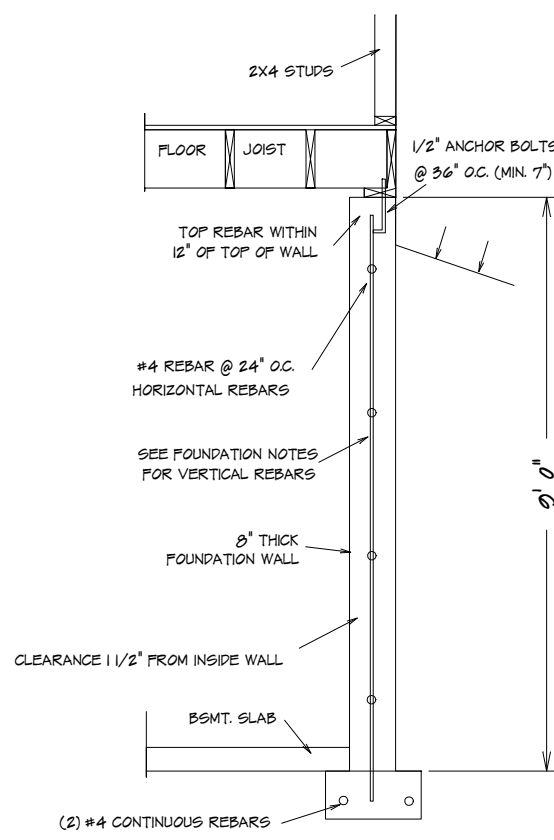
For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s, 1 Ksi = 6.895 MP

Vertical reinforcement spacing 60 psf soil						
Concrete strength/Grade Reinforcement #4 bar	8 inch thick wall			10 inch thick wall		
	8'	9'	10'	8'	9'	10'
3,000 psi / Grade 40	16	12	NP	24	16	12
3,500 psi / Grade 40	16	12	NP	24	24	12
3,000 psi / Grade 60	24	16	NP	24	20	16
3,500 psi / Grade 60	24	16	NP	24	24	16

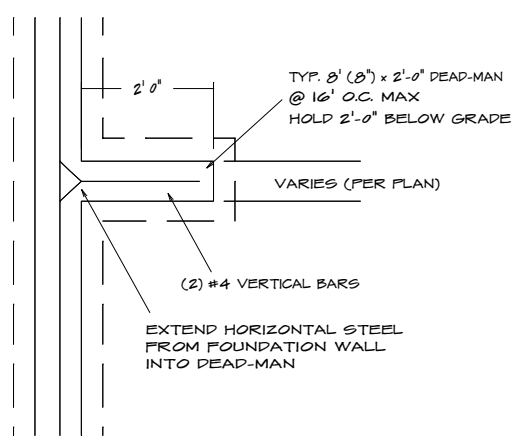
One bar 12" from top of wall; maximum spacing 24" o.c.	4-#4	5-#4	6-#4	4-#4	5-#4	6-#4
<b>Footnotes:</b>						
1) Wall height is measured from the top of the wall to the top of the floor slab.						
2) Vertical reinforcement for concrete walls that are not full height and for reinforcement spaced 4 inches on center may be placed in the middle of the wall. Other walls shall have vertical reinforcement as follows:						
a) 8-inch wall - Minimum 5 inches from the outside face.						
b) 10-inch wall - Minimum 6.75 inches from the outside face.						
c) Extend bars to within the interior of the wall - minimum 3/4 inch.						
<b>3) Reinforcement clearances:</b>						
a) Concrete exposed to water - minimum 1-1/2 inches.						
b) Not exposed to weather - interior of the wall - minimum 3/4 inch.						
c) Concrete exposed to weather - top clearance in garage and driveway slabs - 1-1/2 inches.						
<b>4) Horizontal reinforcement:</b>						
a) One bar shall be placed within 12 inches of the top of the wall.						
b) Other bars shall be equally spaced with spacing not to exceed 24 inches on center.						
c) Horizontal bars should be placed as close to the exterior face as possible (interior) and behind the vertical reinforcement (2" o.c.) towards the interior.						
<b>5) Supplemental reinforcement at corners -</b> Place 1 #4 bar 48 inches below 45 degree angle of inside corner. Place 1 #4 bar 48 inches above 45 degree angle of inside corner.						
<b>6) Reinforcement shall be lapped a minimum 24 inches at ends, splices, and around corners.</b> At ends of walls, lap shall be 24 inches below the top of the wall. For walls thickness less than 4 inches provide #4 bars at maximum 24 inches on center to top of wall. For walls of the top of the wall.						
<b>7) Straight walls more than 5 feet tall and more than 16 feet long shall be provided with exterior corner reinforcement. Wall height shall be measured using inside the shortest dimension between intersecting walls. (See 7/52).</b>						

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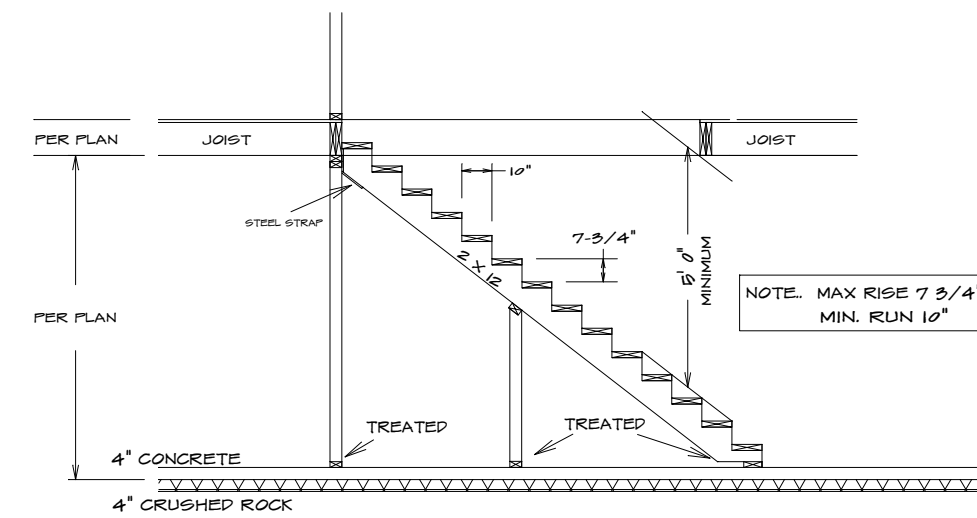




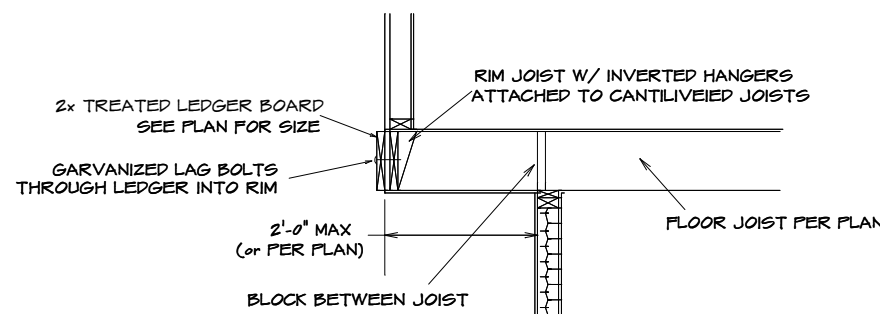
TYPICAL FOUNDATION WALL



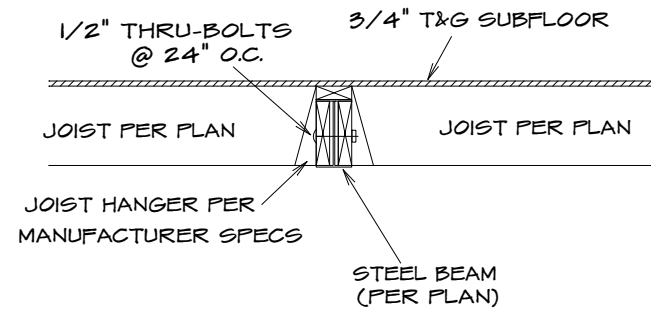
TYPICAL DEAD-MAN SECTION



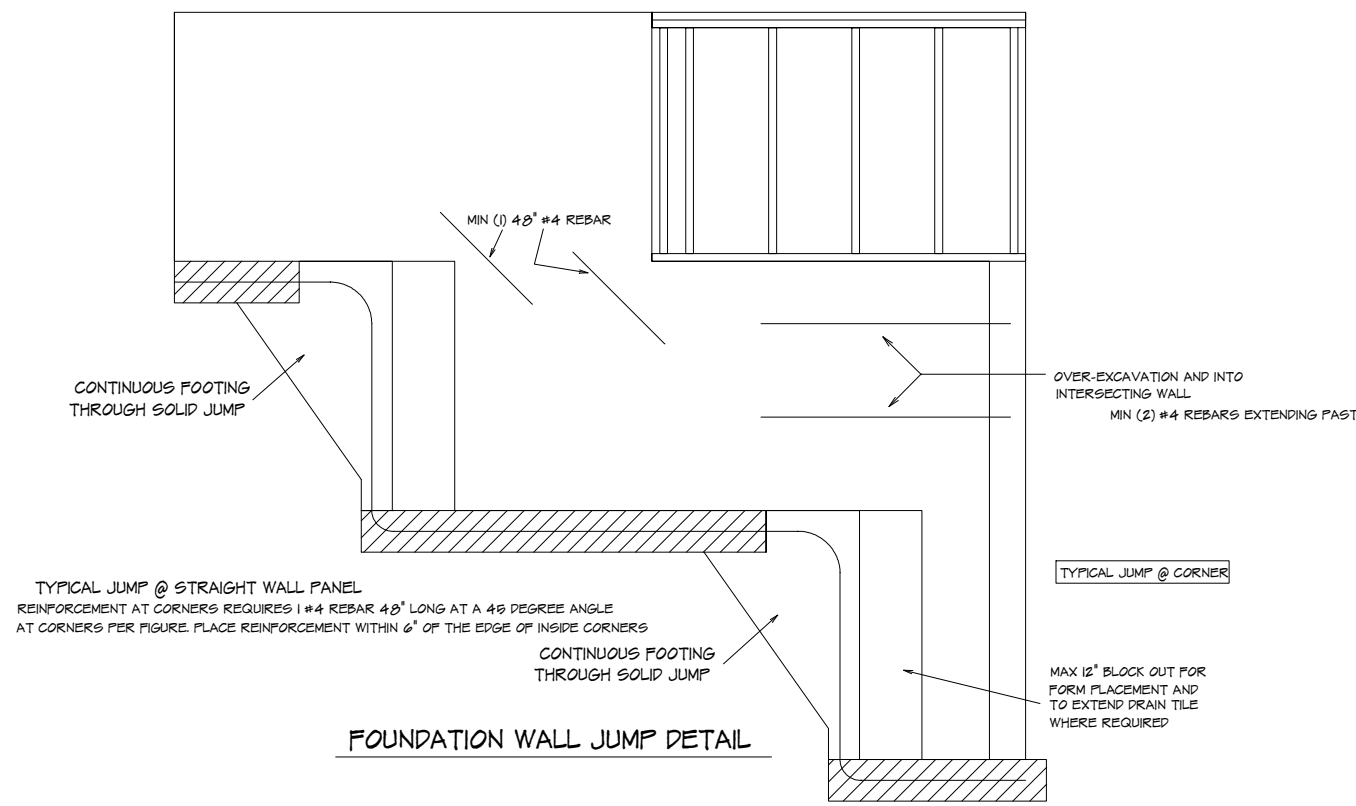
STAIR SECTION (TYP)



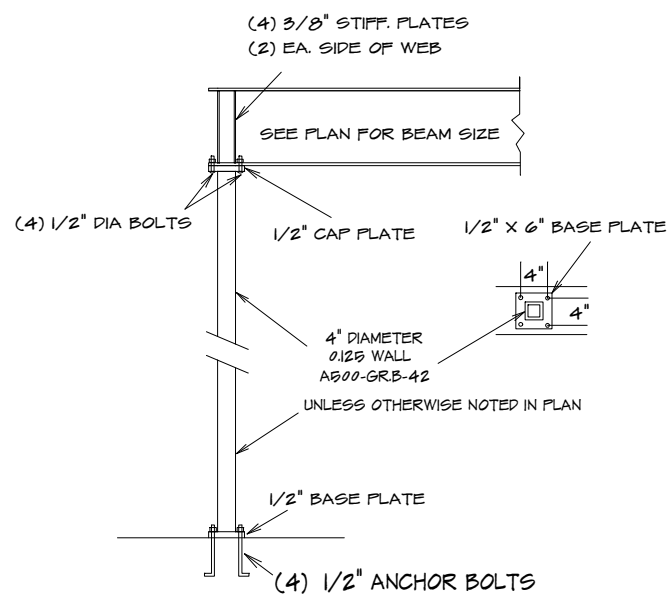
TYPICAL CANTILEVER FRAMING W/ DECK ATTACHMENT



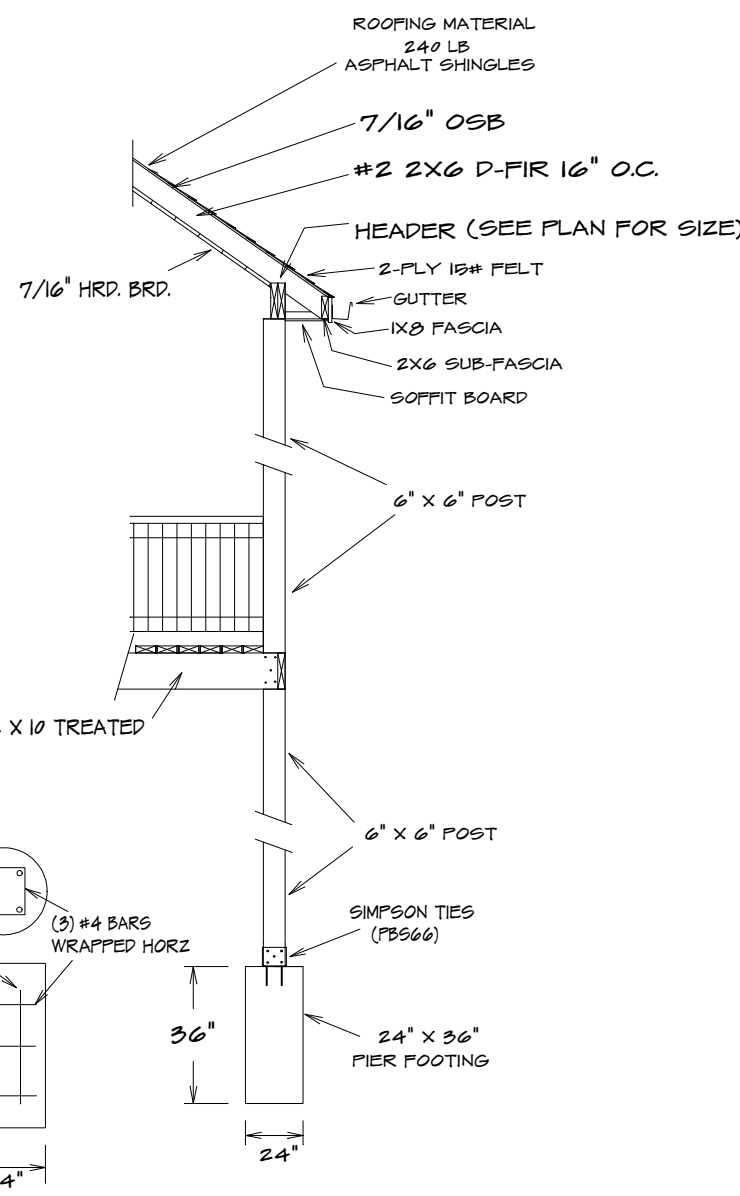
UPSET STEEL BEAM/JOIST CONNECTION



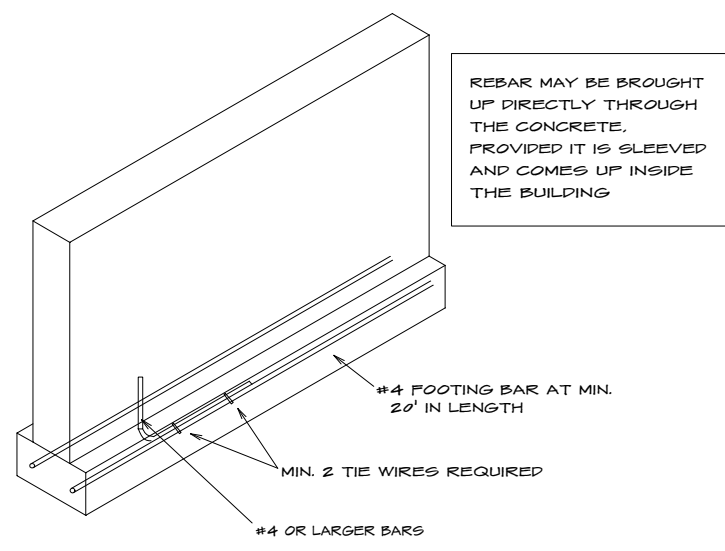
FOUNDATION WALL JUMP DETAIL



HSS COLUMN DETAIL



DECK SECTION



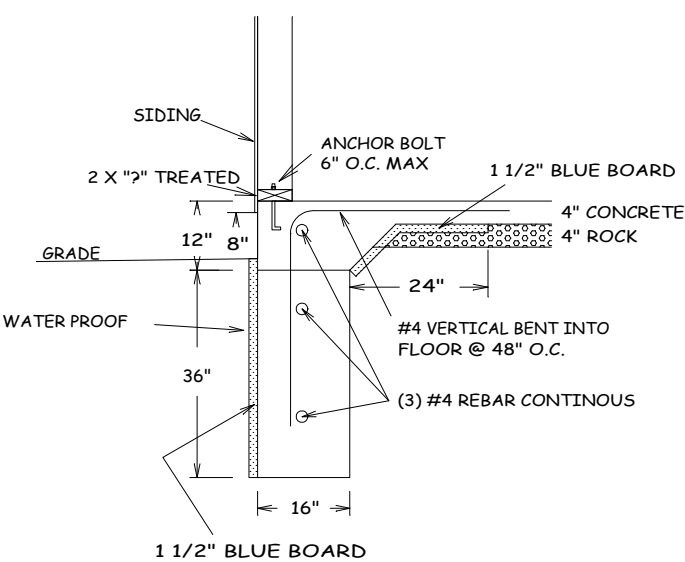
UFER GROUNDING SECTION

STEEL COLUMNS TO BE 3" DIAMETER SCHEDULE 40 PIPE MANUFACTURED IN ACCORDANCE WITH ASTM A583 GRADE B OR APPROVED EQUIVALENT UNLESS NOTED

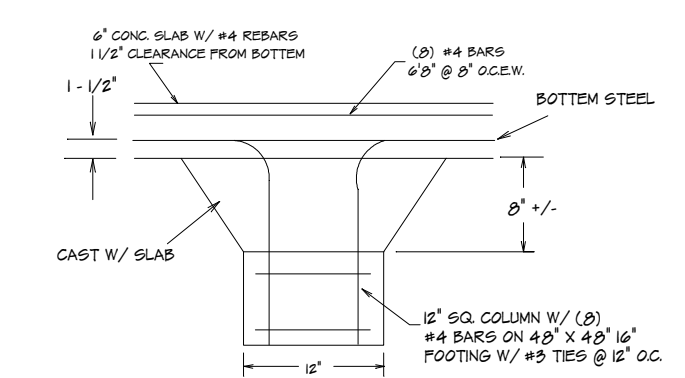
42" X 42" X 12" CONCRETE PADS WITH (6) #4 REBARS EACH WAY (UNLESS NOTED)

REQUIRED FOOTING:	MINIMUM FOOTING:	HORIZONTAL REBAR:	LOCATION OF REBAR:
BUILDING HEIGHT	MINIMUM	MINIMUM	MINIMUM
1 OR 2 STY.	8" X 8" X 8"	4#4	8" FROM BTH
3 STORY	12" X 12" X 12"	4#4	8" FROM BTH
ACC. STY.	12" X 12" X 12"	4#4	8" FROM BTH

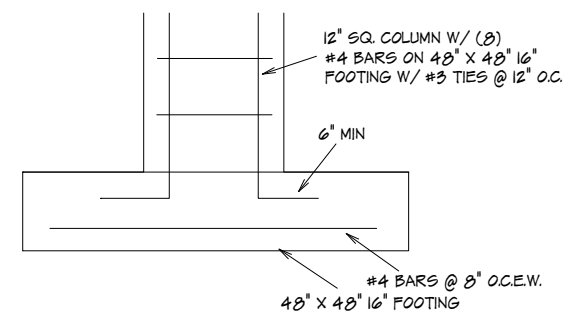
FOOTING FOR 12" THICK WALL TO BE DESIGNED BY OTHERS



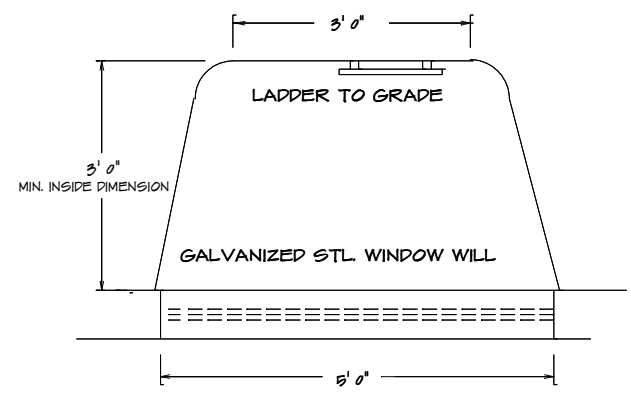
FROST FOOTING



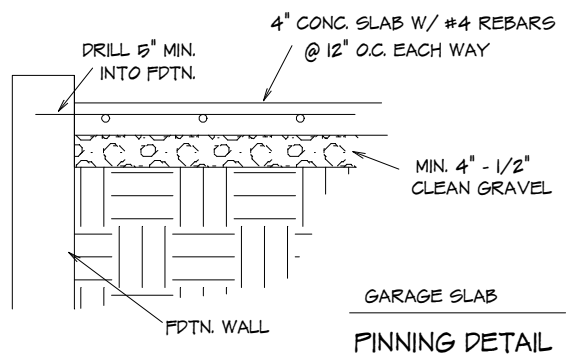
SLAB AT PEDESTAL



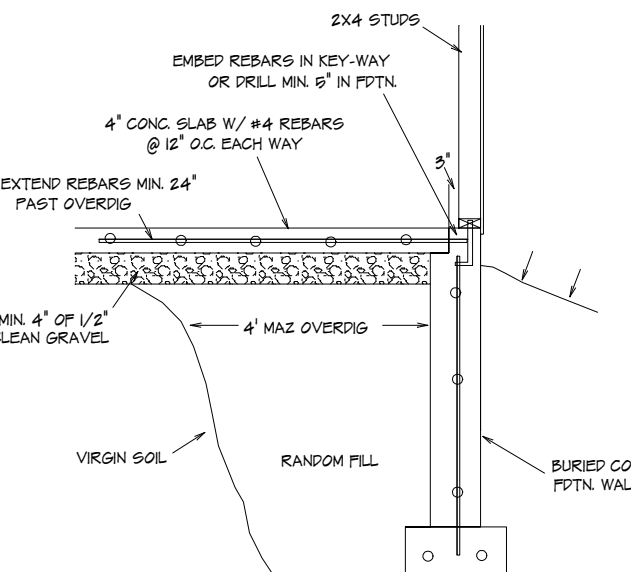
PEDESTAL AT FOOTING



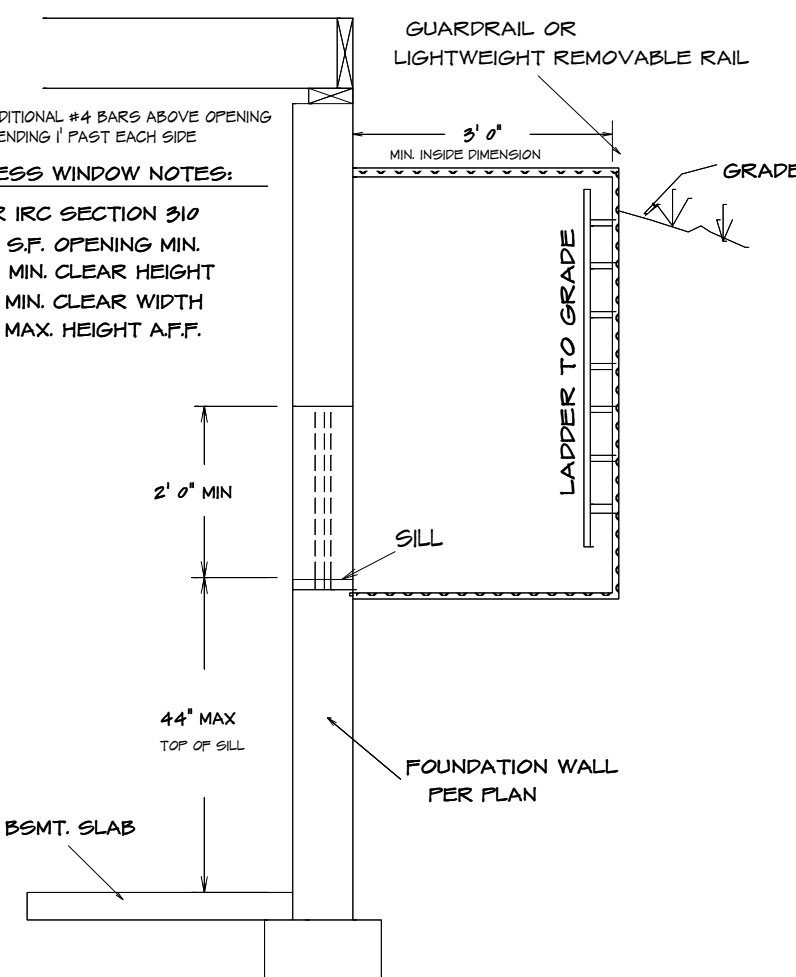
TYPICAL EGRESS WINDOW PLAN SECTION



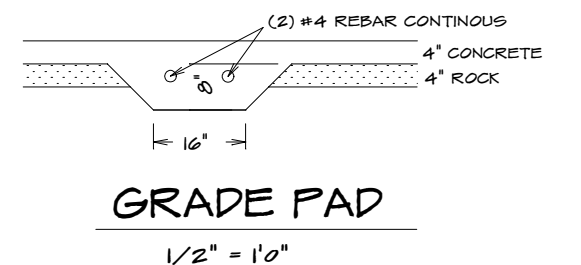
TYPICAL EGRESS WINDOW PINNING DETAIL



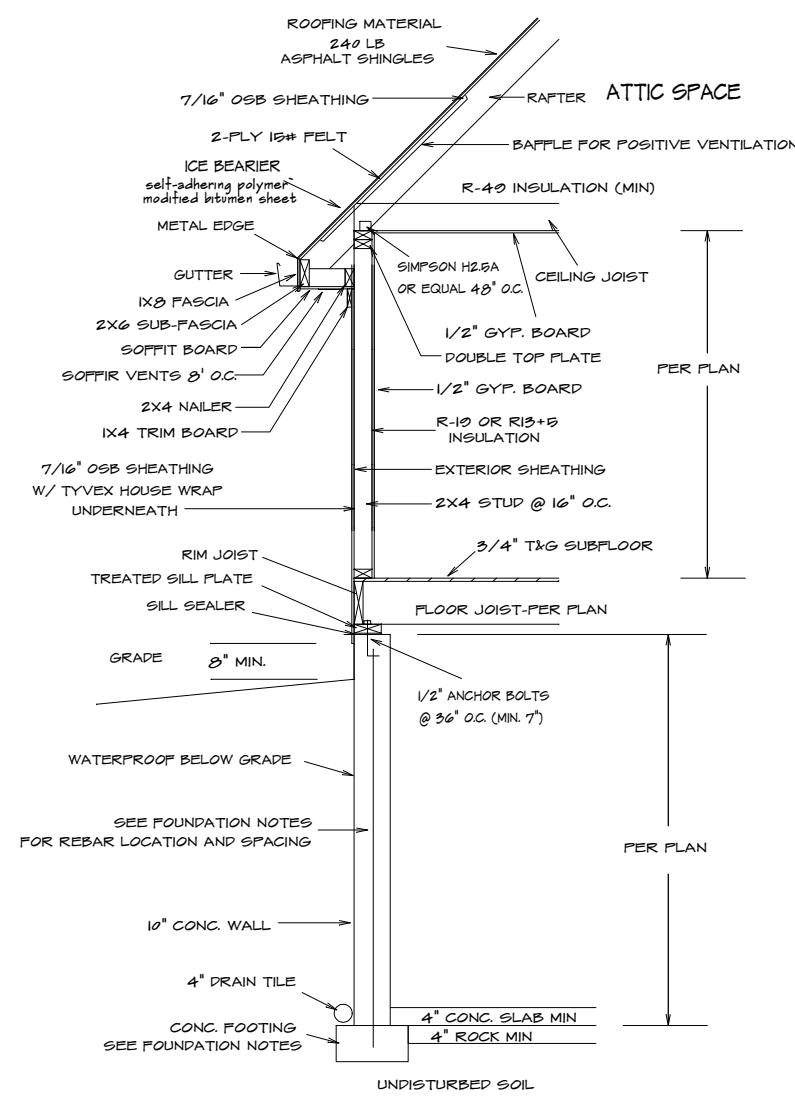
TYPICAL OVERDIG @ SLAB



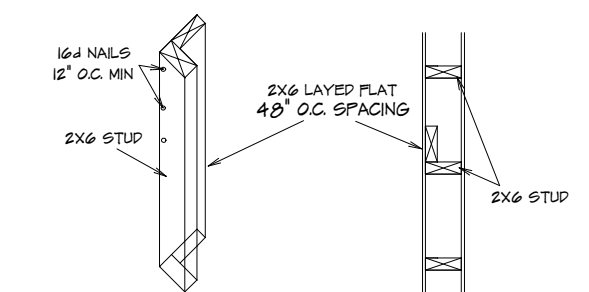
TYPICAL EGRESS WINDOW SECTION DETAIL



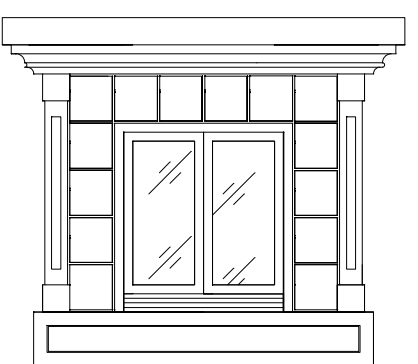
GRADE PAD



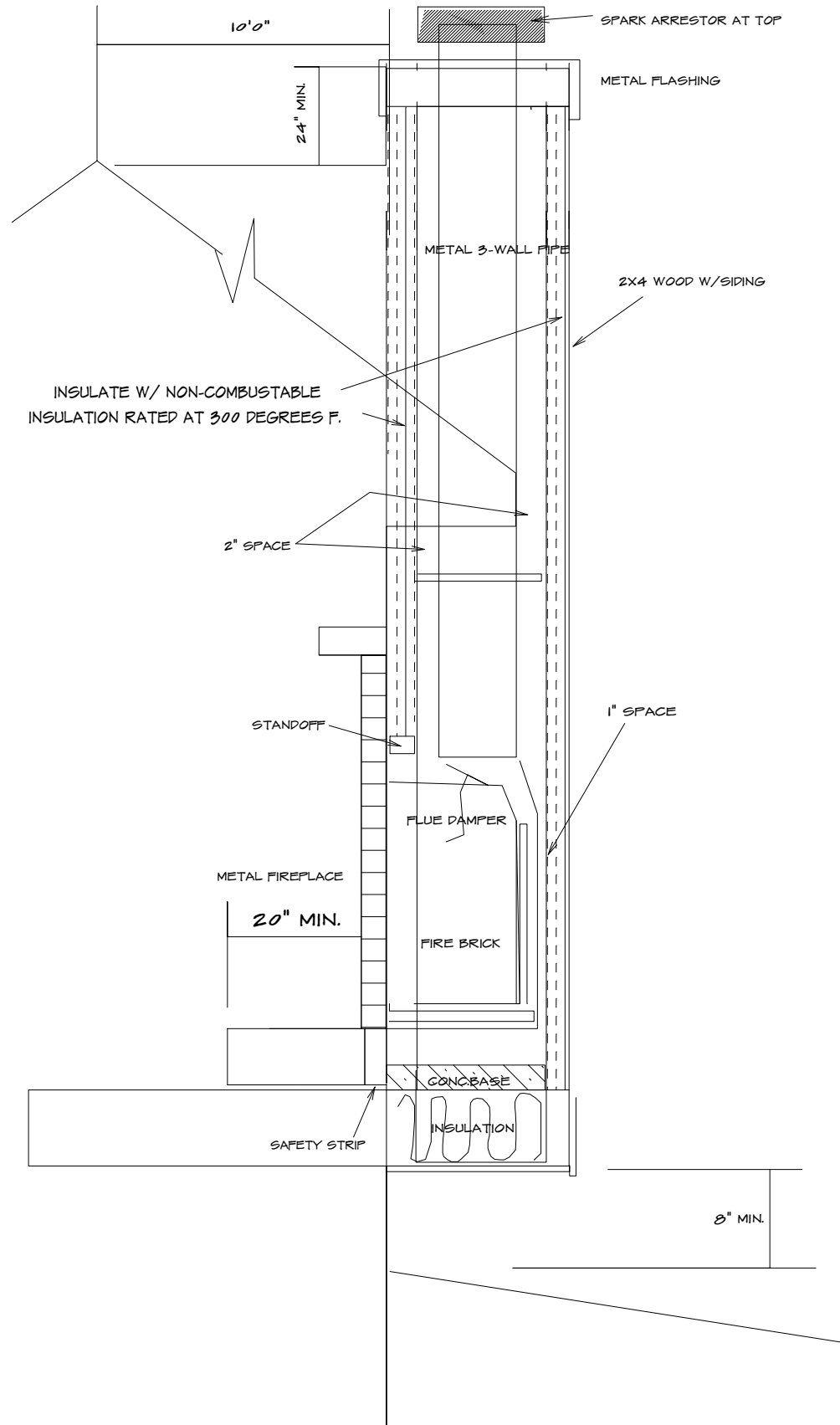
TYPICAL WALL SECTION



EXTERIOR TALL WALL SECTION



TYPICAL F.P. FRONT



TYPICAL METAL FIRE PLACE

NOTE: SEE SPECS FOR SPECIFIC APPLICATIONS.