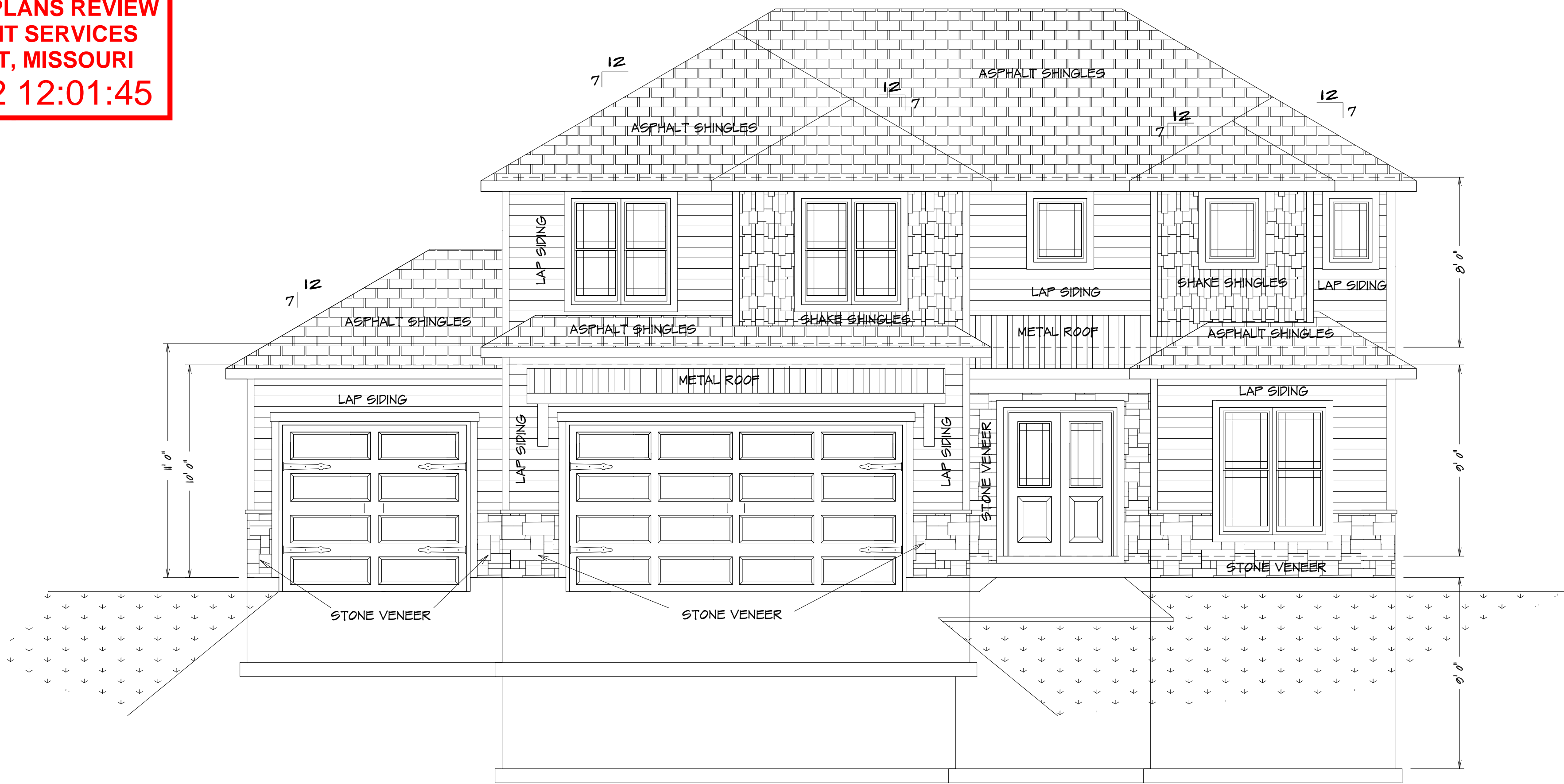




RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
01/18/2022 12:01:45



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.

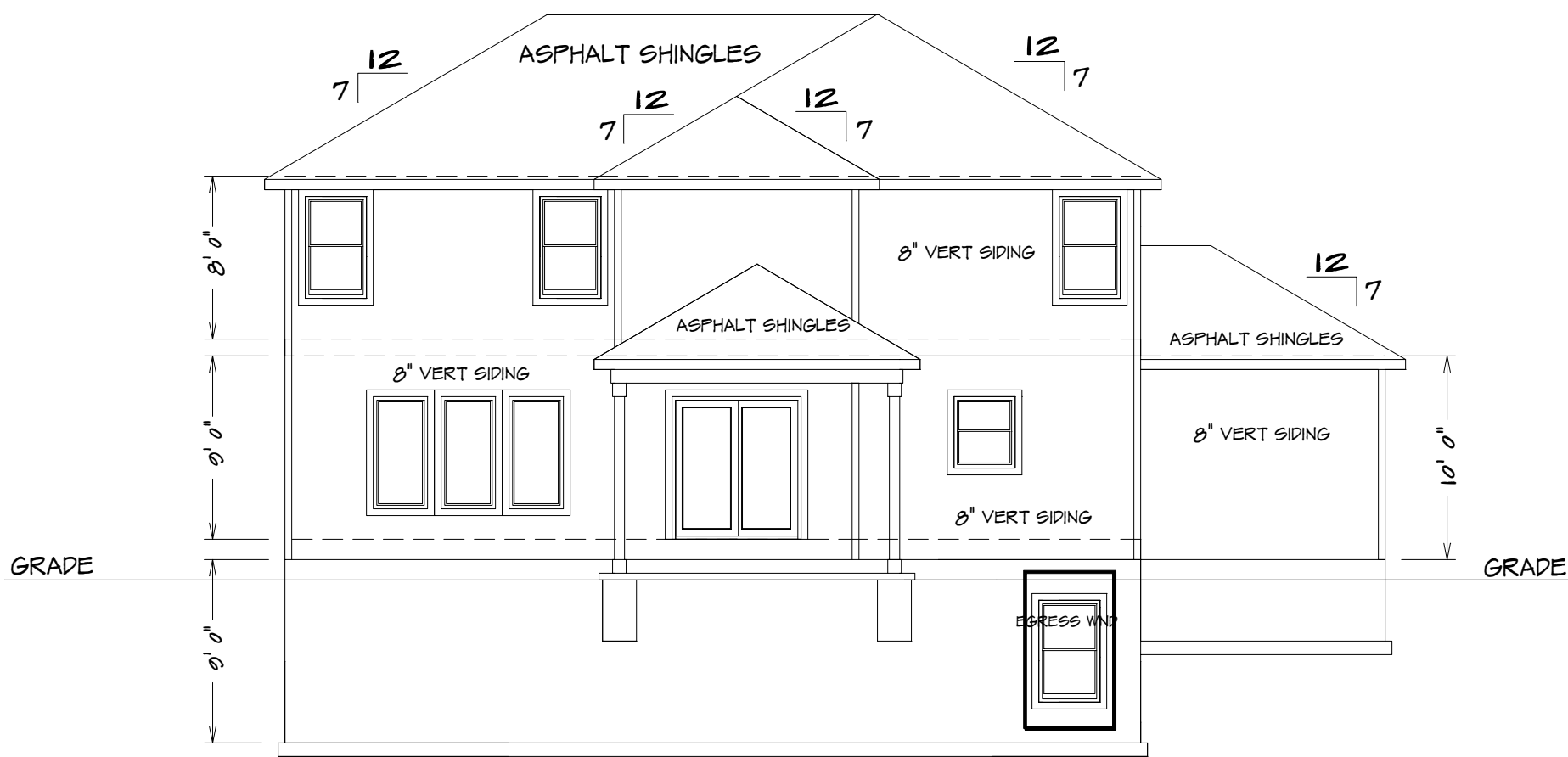
ALL NOTES, SECTIONS, AND DRAWINGS
ARE IN ACCORDANCE WITH THE 2018 IRC

FRONT ELEVATION

1/4" = 1'0"

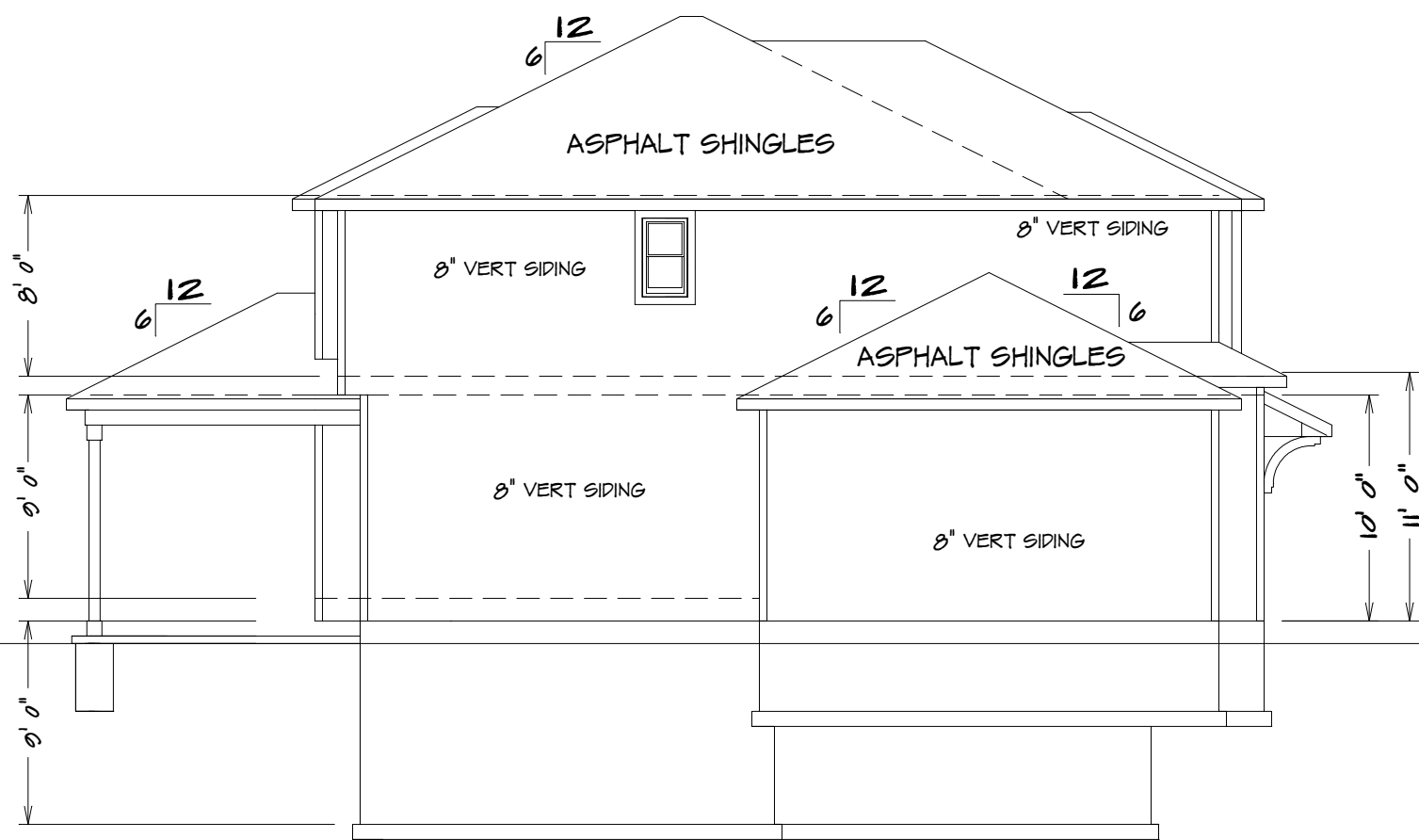
NOTE:
ACTUAL ELEVATIONS MAY VARY FROM ARCHITECTURAL
DRAWINGS, DUE TO TERRAIN/BACKFILL PROCESS
FRONT ELEVATION IS ARCHITECTURAL DRAWING AND
MAY VARY DUE TO MATERIALS AVAILABILITY

1833 SW SAGE CANYON
LEES SUMMIT MO
LOT 157 NAPA VALLEY



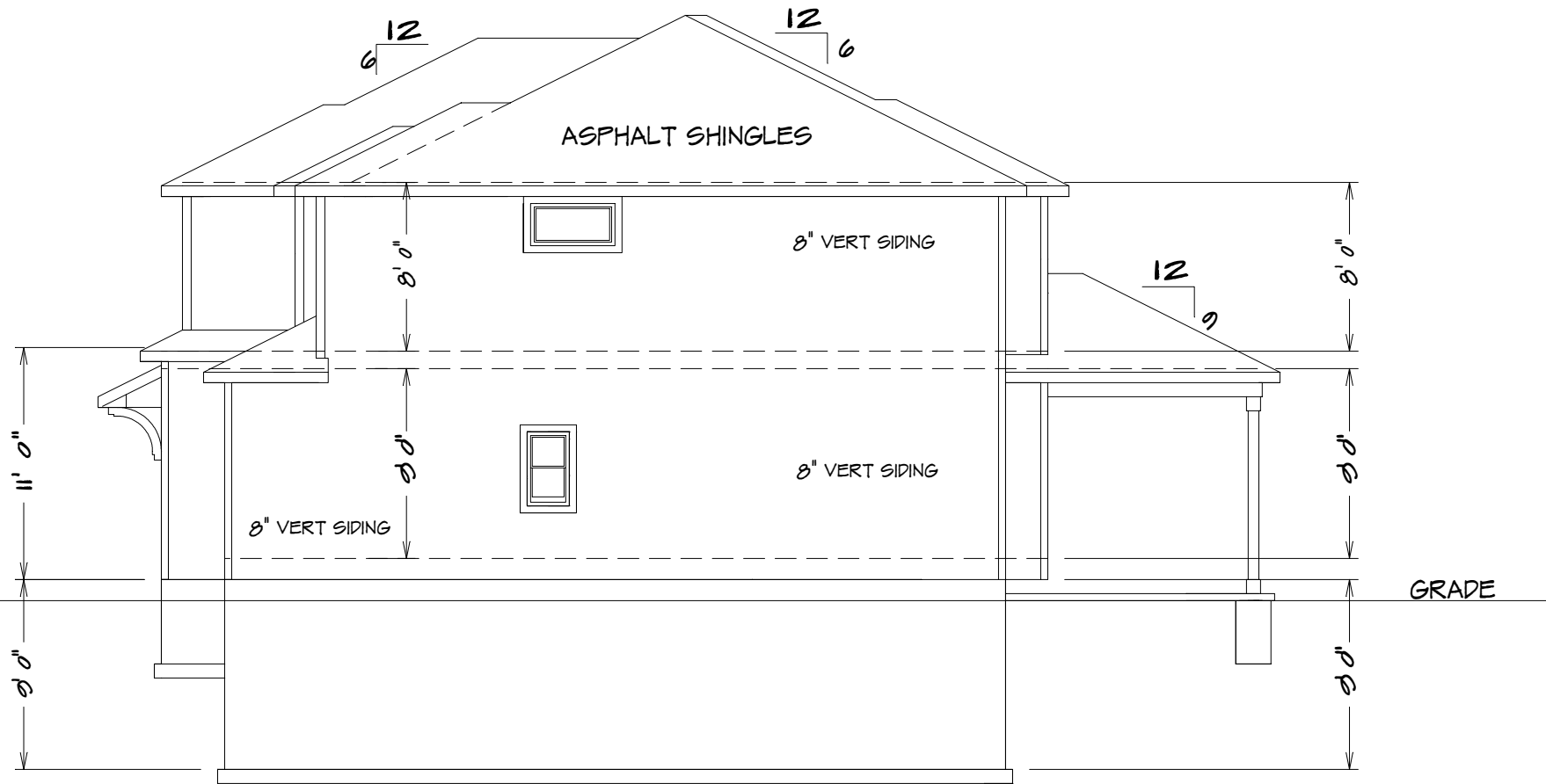
REAR ELEVATION

1/8" = 1'0"



LEFT ELEVATION

1/8" = 1'0"



RIGHT ELEVATION

1/8" = 1'0"



SQUARE FOOTAGE

LIVING AREA
FIRST FLOOR = 1105
SECOND FLOOR = 1465
OPTIONAL BASEMENT = 675
COVERED PATIO = 144

UNFINISHED AREA
STORAGE BASEMENT = 205
GARAGE = 722

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 TO CHECK FOR
CONCRETE CURING, REINFORCEMENT, AND FINISHES. BUILDER/CONTRACTOR
ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SETBACKS, AND 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.

HOME BUYER:

PHONE:

DATE DRAWN:

SHEET NO.

BUILDER:

PHONE:

DATE REVISED:

PLAN NO.

SHEET NO.

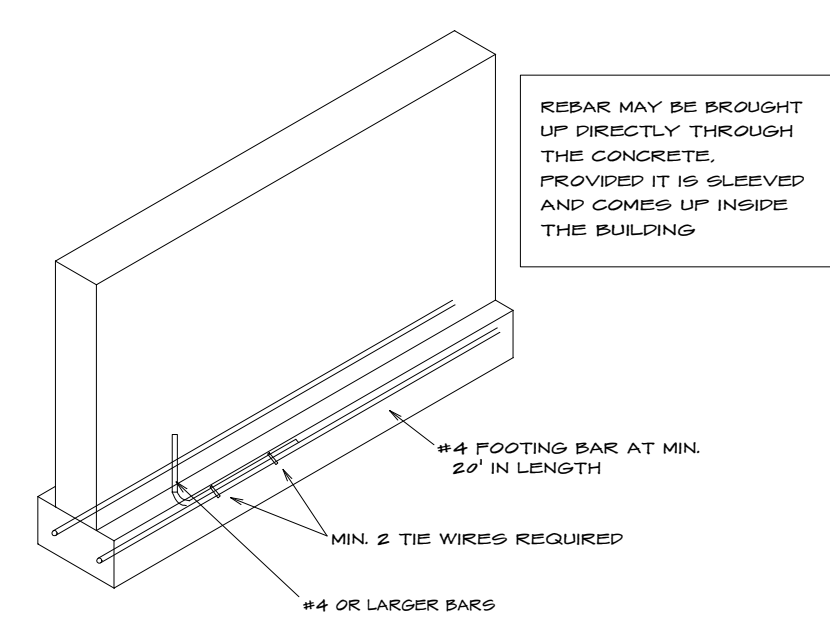
SUB-DIVISION:

LOT NO.

DESIGNER:

FILE NAME:

APPROX. SQ.FT.



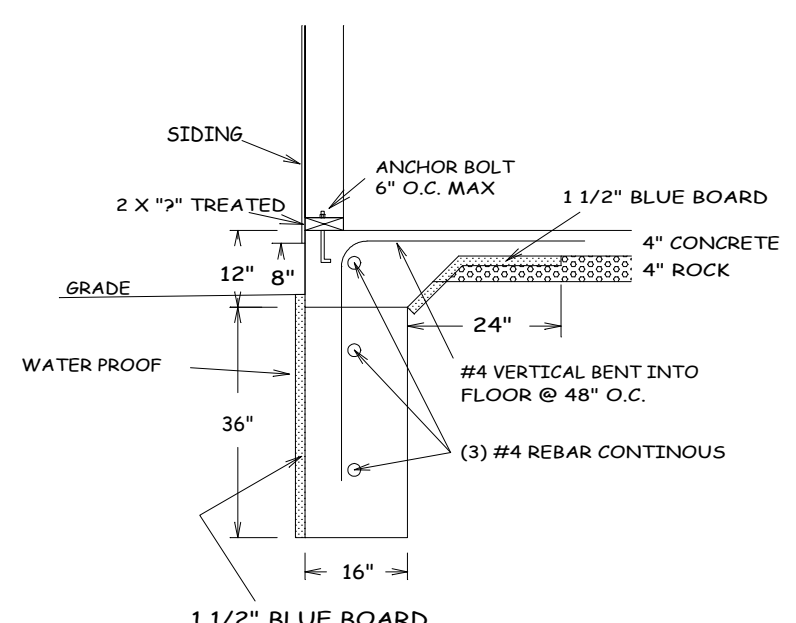
UPPER GROUNDING SECTION

STEEL COLUMNS TO BE 3" DIAMETER SCHEDULE 40 PIPE MANUFACTURED IN ACCORDANCE WITH ASTM A53 GRADE B OR APPROVED EQUIVALENT UNLESS NOTED

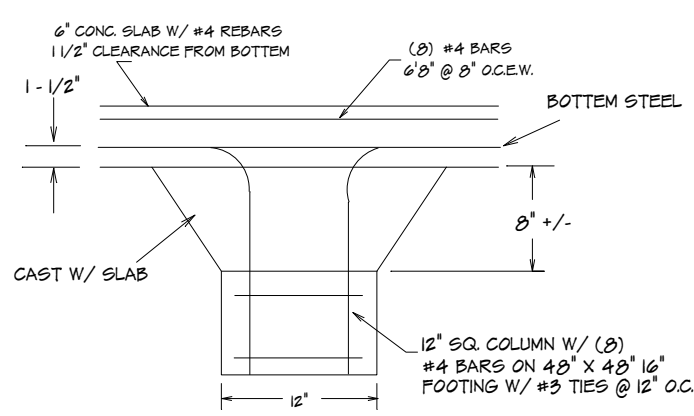
42" X 42" X 12" CONCRETE PADS WITH (6) #4 REBARS EACH WAY (UNLESS NOTED)

REQUIRED FOOTING:	MINIMUM FOOTING	HORIZONTAL REBAR	LOCATION OF REBAR
BUILDING HEIGHT	8" x 16" W	#4	3" FROM BTM.
3 STORY	8" x 16" W	#4	3" FROM BTM.
ACC. STR.	8" x 16" W	#4	3" FROM BTM.

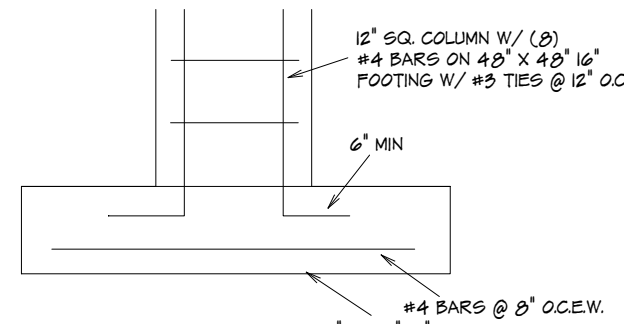
FOOTING FOR 12" THICK WALL TO BE DESIGNED BY OTHERS



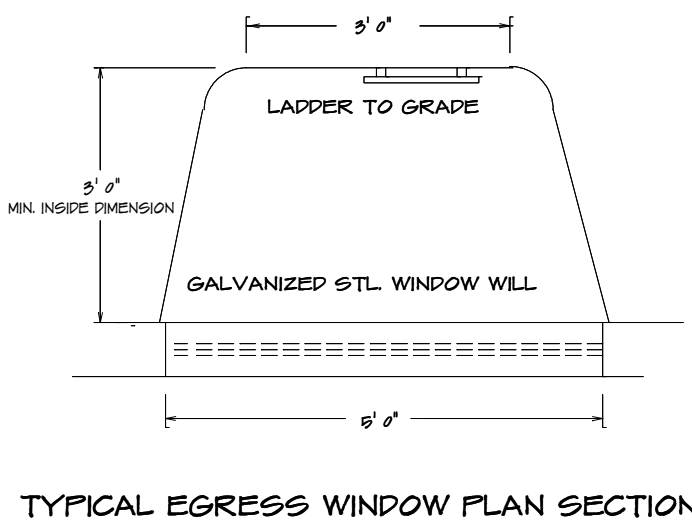
FROST FOOTING



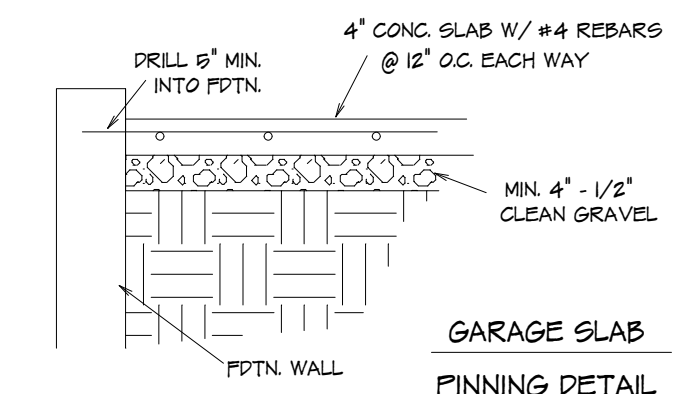
SLAB AT PEDESTAL



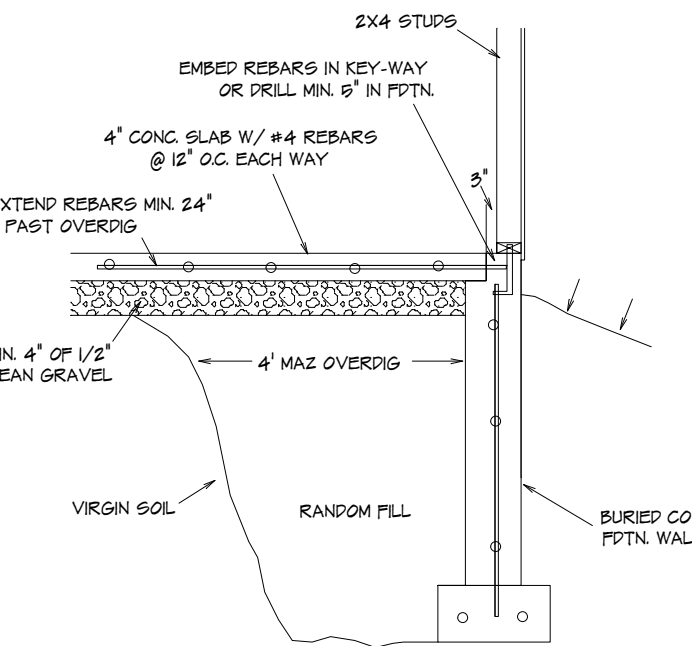
PEDESTAL AT FOOTING



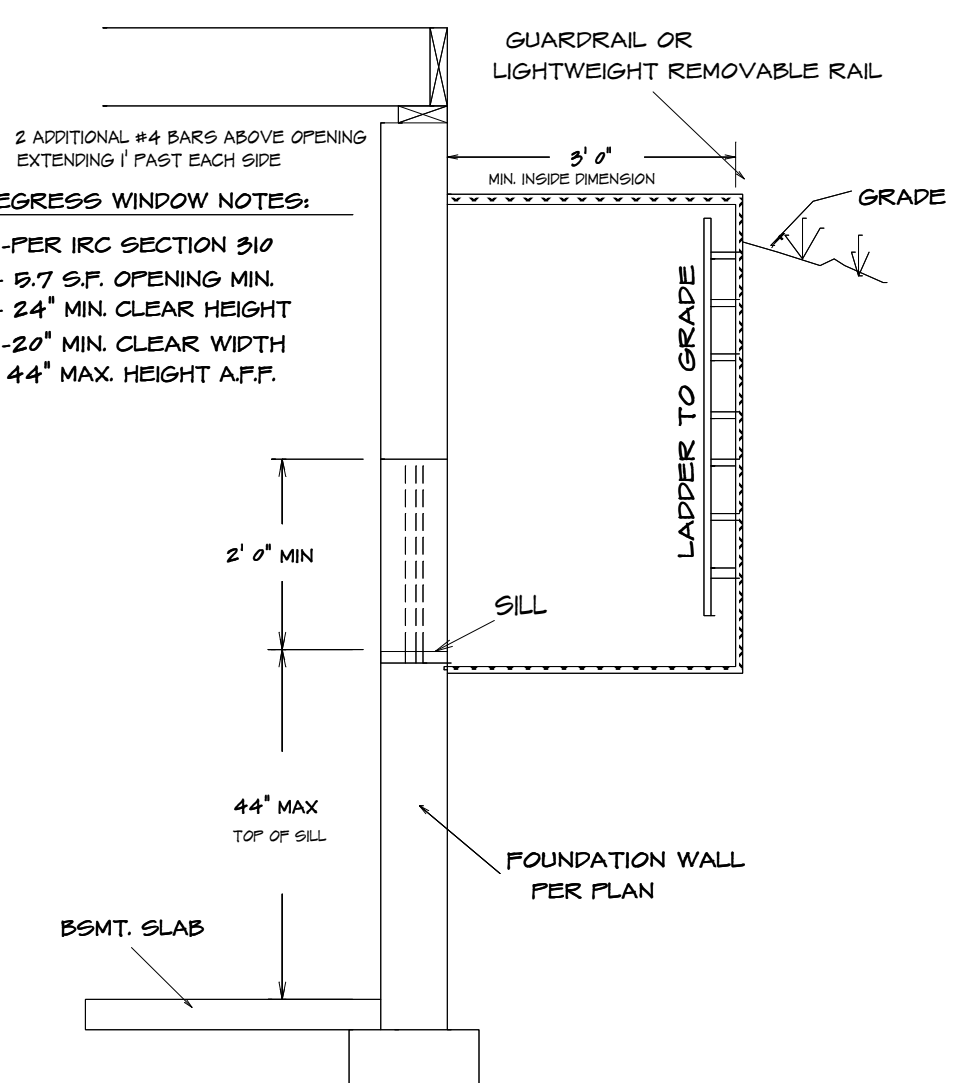
TYPICAL EGRESS WINDOW PLAN SECTION



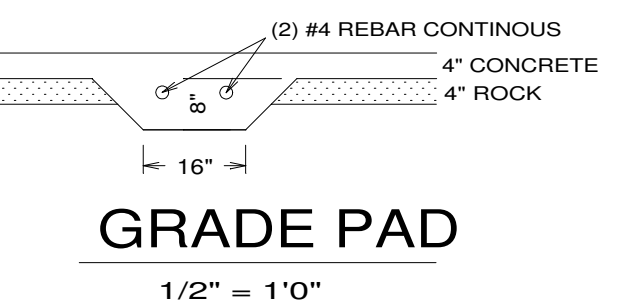
GARAGE SLAB PINNING DETAIL



TYPICAL OVERDIG @ SLAB

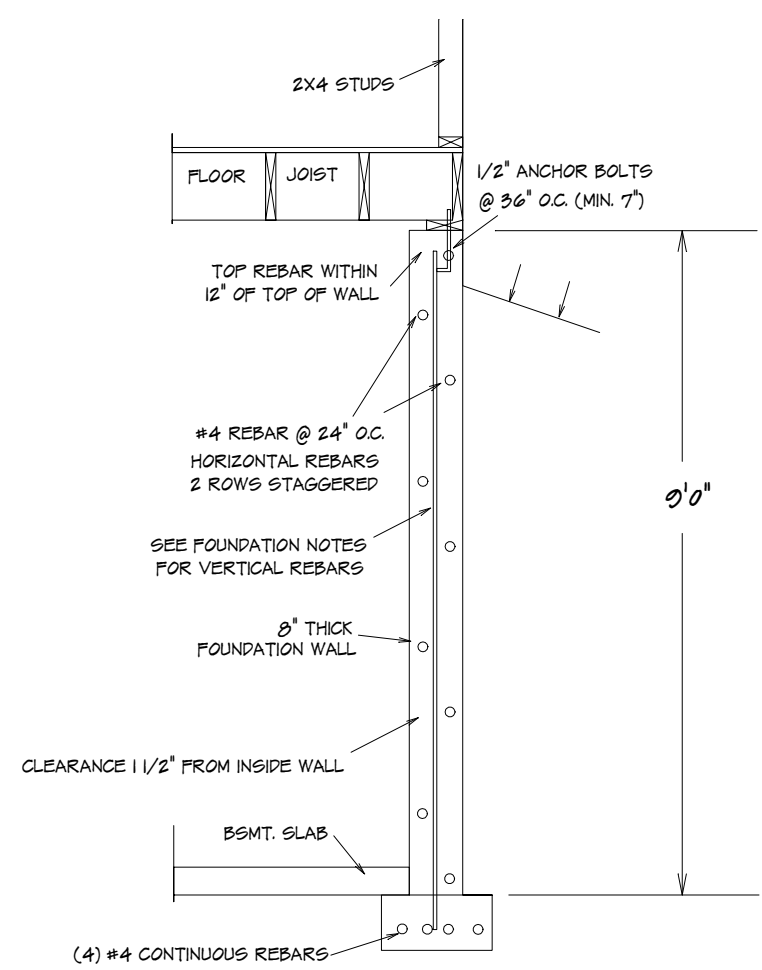


TYPICAL EGRESS WINDOW SECTION DETAIL

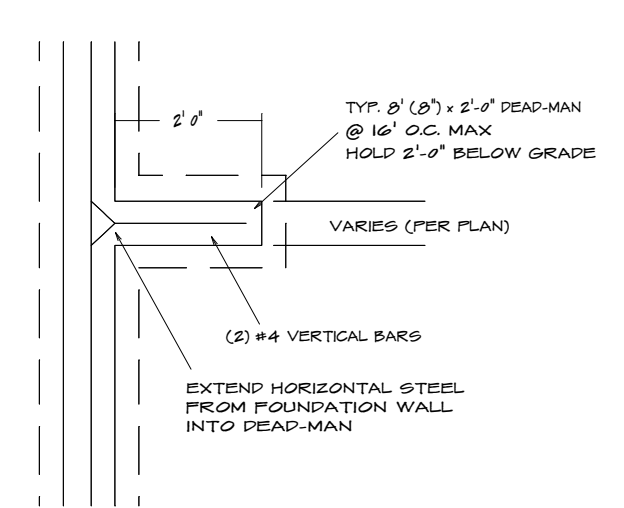


GRADE PAD

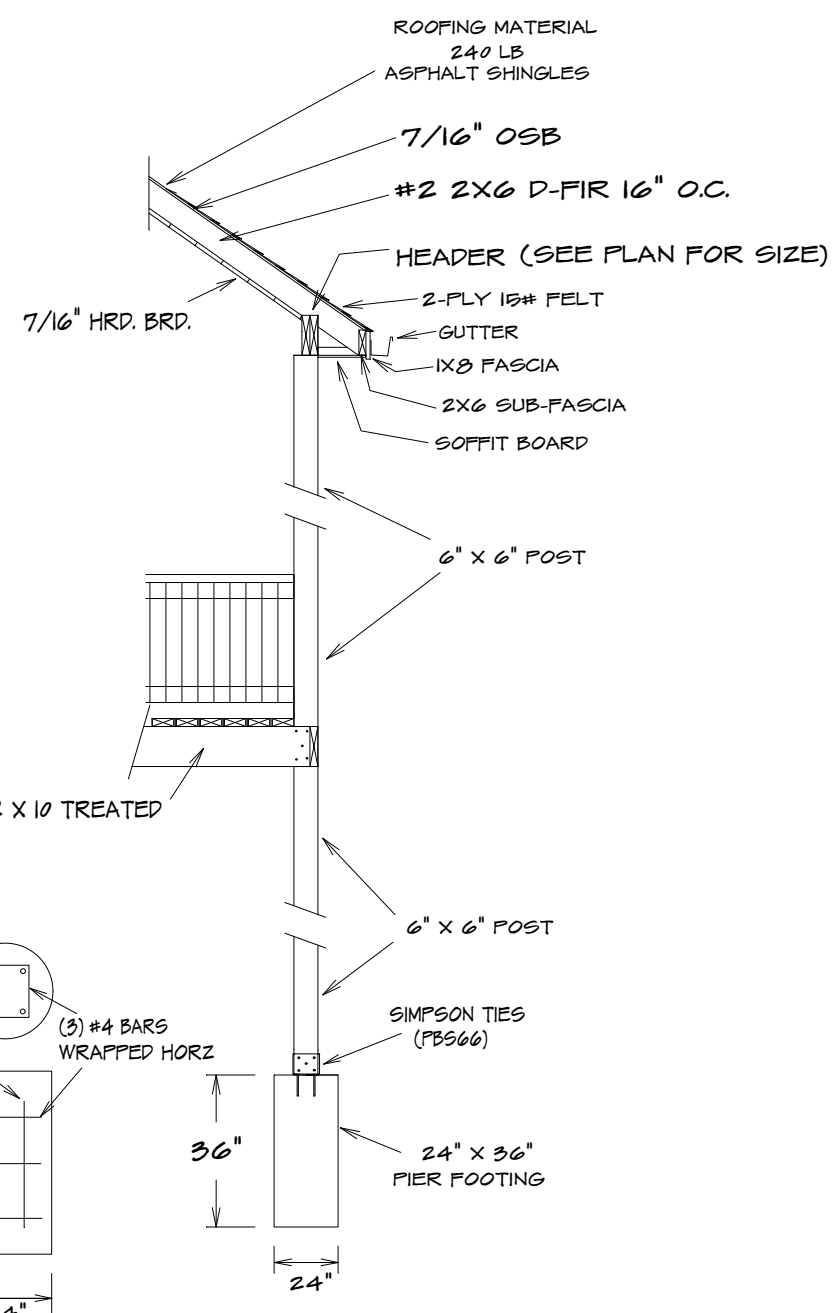
1/2" = 1' 0"



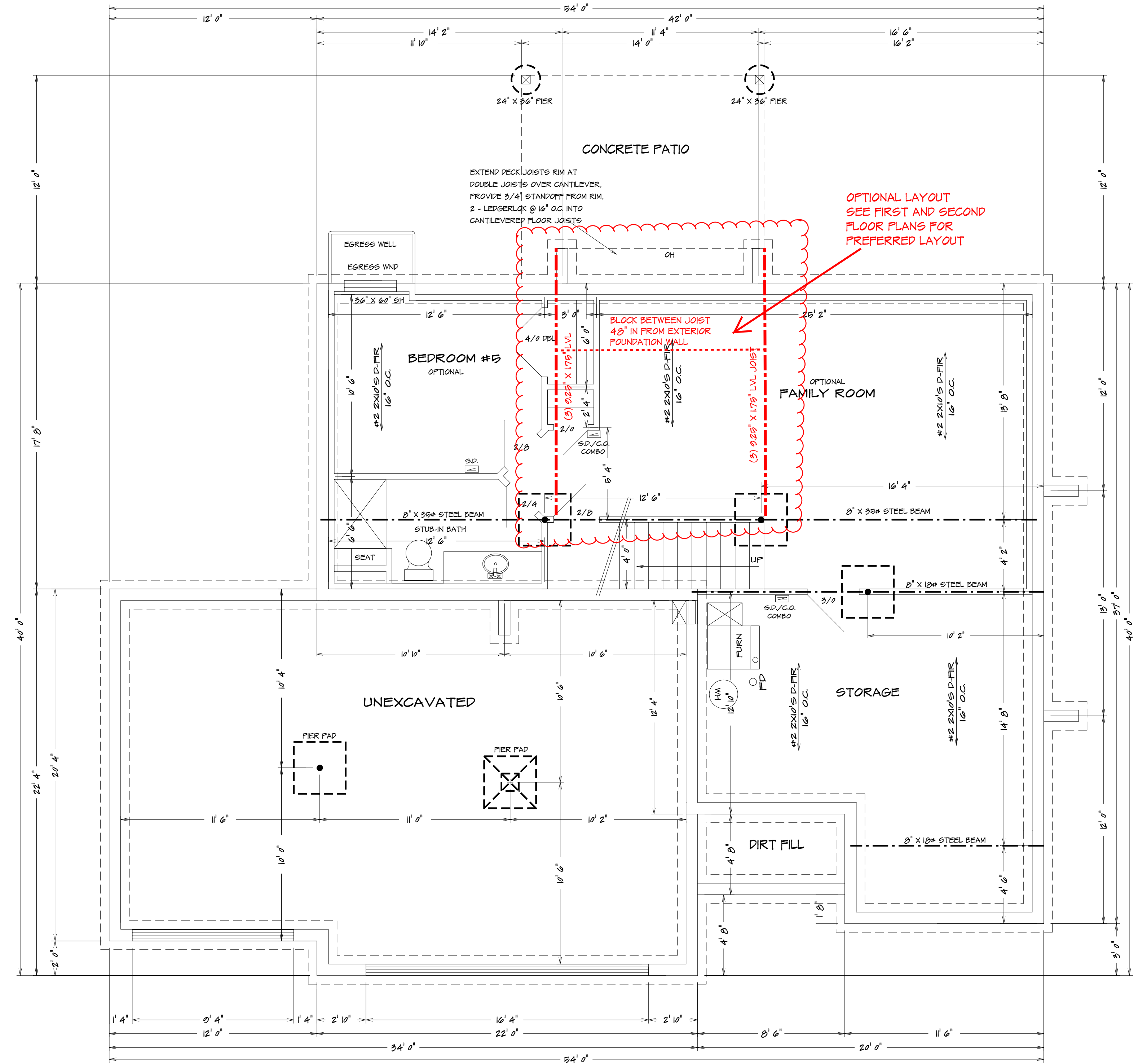
TYPICAL FOUNDATION WALL



TYPICAL DEAD-MAN SECTION



DECK SECTION



1833 SW SAGE CANYON
LEES SUMMIT MO
LOT 157 NAPA VALLEY

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

BASEMENT PLAN
1/4" = 1' 0"

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HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
BUILDER:	PHONE:	DATE REVISED:	KH-6106	2
SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX. SQ.FT.
			6106 BSMT	



16d NAILS
12" O.C. MIN

2X6 STUD

2X6 LAYED FLAT
48" O.C. SPACING

2X6 STUD

EXTERIOR TALL WALL SECTION

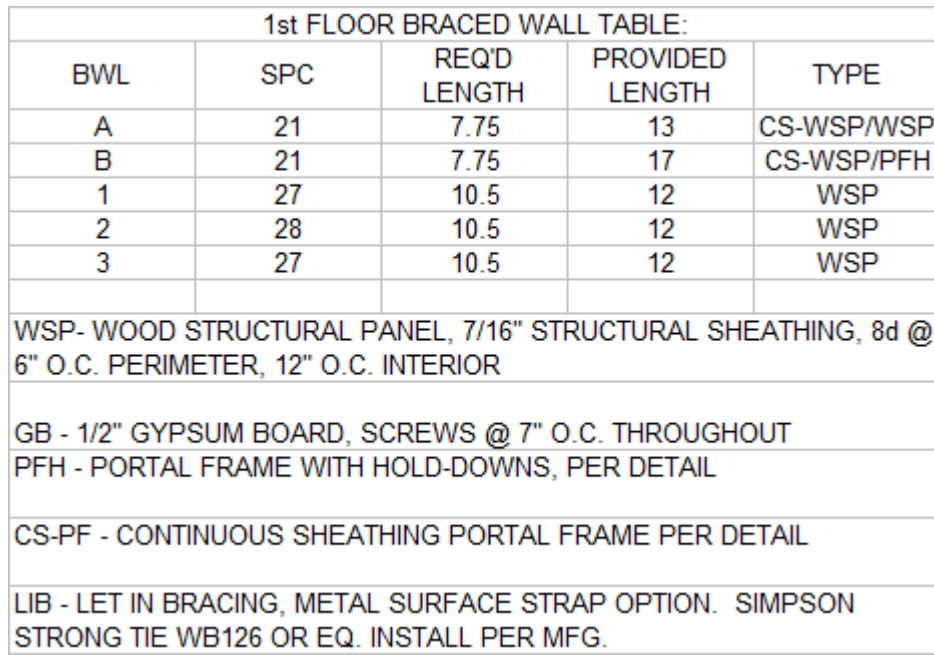
10' TRU 18" TALL WALLS UNINTERRUPTED
TO BE CONSTRUCTED WITH
2X6 STUDS 16" O.C. WITH
STIFF BACK EVERY 48" O.C.

REQUIRED AREAS NEEDING HEADERS:	HEADER DESCRIPTIONS:
WINDOWS/DOORS UP TO 38" R.O.	(2) #2 D-FIR 2X10'S
WINDOWS/DOORS 38" UP TO 72" R.O.	(2) #2 D-FIR 2X10'S W/1/2" GLUE PLY
WINDOWS/DOORS 72" UP TO 96" R.O.	(2) 9 1/2" L.V.L.
8'0" GARAGE DOORS W/CEILING & ROOF LOAD	(2) 9 1/2" L.V.L.
9'0" GARAGE DOORS W/CEILING & ROOF LOAD	(2) 9 1/2" L.V.L.
8'0" GARAGE DOORS W/SECOND FLOOR	(2) 9 1/2" L.V.L.
9'0" GARAGE DOORS W/SECOND FLOOR	(2) 11 7/8" L.V.L.
16'0" GARAGE DOOR W/NO SECOND FLOOR	(2) 11 7/8" L.V.L.
16'0" GARAGE DOORS W/SECOND FLOOR	(2) 14" L.V.L.
USE HEADERS FOR OPENINGS ABOVE UNLESS SPECIFIED OTHERWISE.	

R312.2.2 Window opening control devices.

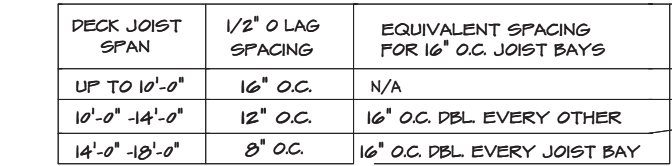
Window opening control devices shall comply with ASTM F 2090. The window opening control device, after operation to release the control device allowing the window to fully open, shall not reduce the minimum net clear opening area of the window unit to less than the area required by Section R310.11.

1833 SW SAGE CANYON LEES SUMMIT MO
LOT 157 NAPA VALLEY



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

NOTE..SEE SPECS FOR SPECIFIC APPLICATIONS.

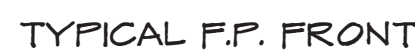


TYPICAL CANTILEVER FRAMING W/ DECK ATTACHMENT



1. PROVIDE VULCRAFT 2VL1 (OR EQUAL CORRUGATED DECKING (SHORE AT MID-SPAN DURING CONSTRUCTION) or
2. PLYWOOD FORMS WITH EXPANDABLE BAR JOIST OR TEMPORARY FRAMED WALLS BY CONTRACTOR

TYPICAL EGRESS WINDOW PLAN SECTION



10' TRU 18' UNINTERRUPTED TALL WALLS
TO BE CONSTRUCTED WITH
2X6 STUDS 16" O.C. WITH
STIFF BACK EVERY 48" O.C.

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

BUILDER&CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, PWD LOCATIONS, AND COLUMN SIZES. BUILDER&CONTRACTOR TO CHECK FOR COMPLIANCE WITH CONTRACTS, CITY, AND NATIONAL CODES. BUILDER&CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SET-BACKS, AND FLOOR PLANS. BUILDER&CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESIMBLANCES TO OTHER COPYRIGHTED PLANS. BUILDER&CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY AN ON-SITE CHANGES MADE TO STRUCTURE.	HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
	BUILDER:	PHONE:	DATE REVISED:	KH-6106	9
	SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX. SQ.FT.
				6106 SEC	

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY FROM FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM HEADERS, PAD LOCATIONS, AND COLUMN SIZES. BUILDER/CONTRACTOR TO CHECK FOR COMPLIANCE WITH CONTRACTS CITY, AND NATIONAL CODES. BUILDER/CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SET-BACKS, AND FLOOR PLANS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESEMBLANCE TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO A STRUCTURE.



Foundation Wall Reinforcement Schedule - Table 2

Vertical reinforcement spacing 60 psf soil						
Concrete strength/Grade	8 inch thick wall			10 inch thick wall		
Reinforcement #4 bar	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
Horizontal reinforcement – Minimum Grade 40 steel #4 bar						
One bar 12" from top of wall; maximum spacing 24" o.c.	4-#4	5-#4	6-#4	4-#4	5-#4	6-#4

- Footnotes:
- Wall height is measured from the top of the wall to the top of the floor slab.
 - Vertical reinforcement for concrete walls that are not full height and for reinforcement spaced 24 inch on center may be placed in the middle of the wall. Other walls shall have vertical reinforcement place as follows:
 - 8-inch wall - Minimum 5 inches from the outside face.
 - 10-inch wall - Minimum 6.75 inches from the outside face.
 - Extend bars to within 8 inches of the top of the wall.
 - Reinforcement clearances:
 - Concrete exposed to earth – minimum 1-1/2 inches.
 - Not exposed to weather (interior side of walls) – minimum 3/4 inch.
 - Concrete exposed to weather (top clearance in garage and driveway slabs)- 1-1/2 inches.
 - Horizontal reinforcement:
 - One bar shall be placed within 12 inches of the top of the wall.
 - Other bars shall be equally spaced with spacing not to exceed 24 inches on center.
 - Horizontal bars should be as close to the tension face as possible (interior) and behind the vertical reinforcement (i.e.2" towards the inside).
 - Supplemental reinforcement at corners - Place 1 #4 bar 48 inches long at 45 degree angle at corners of openings per Figure 4a. Place reinforcement within 6" of the edge of inside corners
 - Reinforcement shall be lapped a minimum 24 inches at ends, splices, and around corners.
 - At masonry ledges the minimum wall thickness shall be 3-1/2 inches. Ledges shall not exceed a depth of more than 24 inches below the top of the wall. For wall thicknesses less than 4 inches provide #4 bars at maximum 24 inches on center to within 8 inches of the top of the wall.
 - Straight walls more than 5 feet tall and more than 16 feet long shall be provided with exterior braced return walls. Wall length shall be measured using inside the shortest dimension between intersecting walls (See 7/S2).

TABLE R602.3(1) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENERS ^{a, b, c}	SPACING OF FASTENERS
Roof			
1	Blocking between joists or rafters to top plate, toe nail	3-8d (2 1/2" x 0.113")	—
2	Ceiling joists to plate, toe nail	3-8d (2 1/2" x 0.113")	—
3	Ceiling joists not attached to parallel rafter, laps over partitions, face nail	3-10d	—
4	Collar tie to rafter, face nail or 1 1/4" x 20 gage ridge strap	3-10d (3" x 0.128")	—
5	Rafter or roof truss to plate, toe nail	3-16d box nails (2 1/2" x 0.135") or 3-10d common nails (3" x 0.148")	2 toe nails on one side and 1 toe nail on opposite side of each rafter or truss
6	Roof rafters to ridge, valley or hip rafters: toe nail face nail	4-16d (3 1/2" x 0.135") 3-16d (3 1/2" x 0.135")	—
Wall			
7	Built-up studs-face nail	10d (3" x 0.128")	24" o.c.
8	Abutting studs at intersecting wall corners, face nail	16d (3 1/2" x 0.135")	12" o.c.
9	Built-up header, two pieces with 1/2" spacer	16d (3 1/2" x 0.135")	16" o.c. along each edge
10	Continued header, two pieces	16d (3 1/2" x 0.135")	16" o.c. along each edge
11	Continuous header to stud, toe nail	4-8d (2 1/2" x 0.113")	24" o.c.
12	Double studs, face nail	10d (3" x 0.128")	24" o.c.
13	Double top plates, face nail	10d (3" x 0.128")	24" o.c.
14	Double top plates, minimum 24-inch offset of end joints, face nail in lapped area	8-16d (3 1/2" x 0.135")	—
15	Sole plate to joist or blocking, face nail	16d (3 1/2" x 0.135")	16" o.c.
16	Sole plate to joist or blocking at braced wall panels	3-16d (3 1/2" x 0.135")	16" o.c.
17	Stud to sole plate, toe nail	3-8d (2 1/2" x 0.113") or 2-16d (3 1/2" x 0.135")	—
18	Top or sole plate to stud, end nail	2-16d (3 1/2" x 0.135")	—
19	Top plates, laps at corners and intersections, face nail	2-10d (3" x 0.128")	—
20	1" brace to each stud and plate, face nail	2-8d (2 1/2" x 0.113") 2 staples 1 3/4"	—
21	1" x 6" sheathing to each bearing, face nail	2-8d (2 1/2" x 0.113") 2 staples 1 3/4"	—
22	1" x 8" sheathing to each bearing, face nail	2-8d (2 1/2" x 0.113") 3 staples 1 3/4"	—
23	Wider than 1" x 8" sheathing to each bearing, face nail	3-8d (2 1/2" x 0.113") 4 staples 1 3/4"	—
Floor			
24	Joist to sill or girder, toe nail	3-8d (2 1/2" x 0.113")	—
25	Rim joist to top plate, toe nail (roof applications also)	8d (2 1/2" x 0.113")	6" o.c.
26	Rim joist or blocking to sill plate, toe nail	8d (2 1/2" x 0.113")	6" o.c.
27	1" x 6" subfloor or less to each joist, face nail	2-8d (2 1/2" x 0.113")	—
28	2" subfloor to joist or girder, blind and face nail	2-16d (3 1/2" x 0.135")	—
29	2" planks (plank & beam - floor & roof)	2-16d (3 1/2" x 0.135")	at each bearing
30	Built-up girders and beams, 2-inch lumber layers	10d (3" x 0.128")	Nail each layer as follows: 32" o.c. at top and bottom and staggered. Two nails at ends and at each splice.
31	Ledger strip supporting joists or rafters	3-16d (3 1/2" x 0.135")	At each joist or rafter

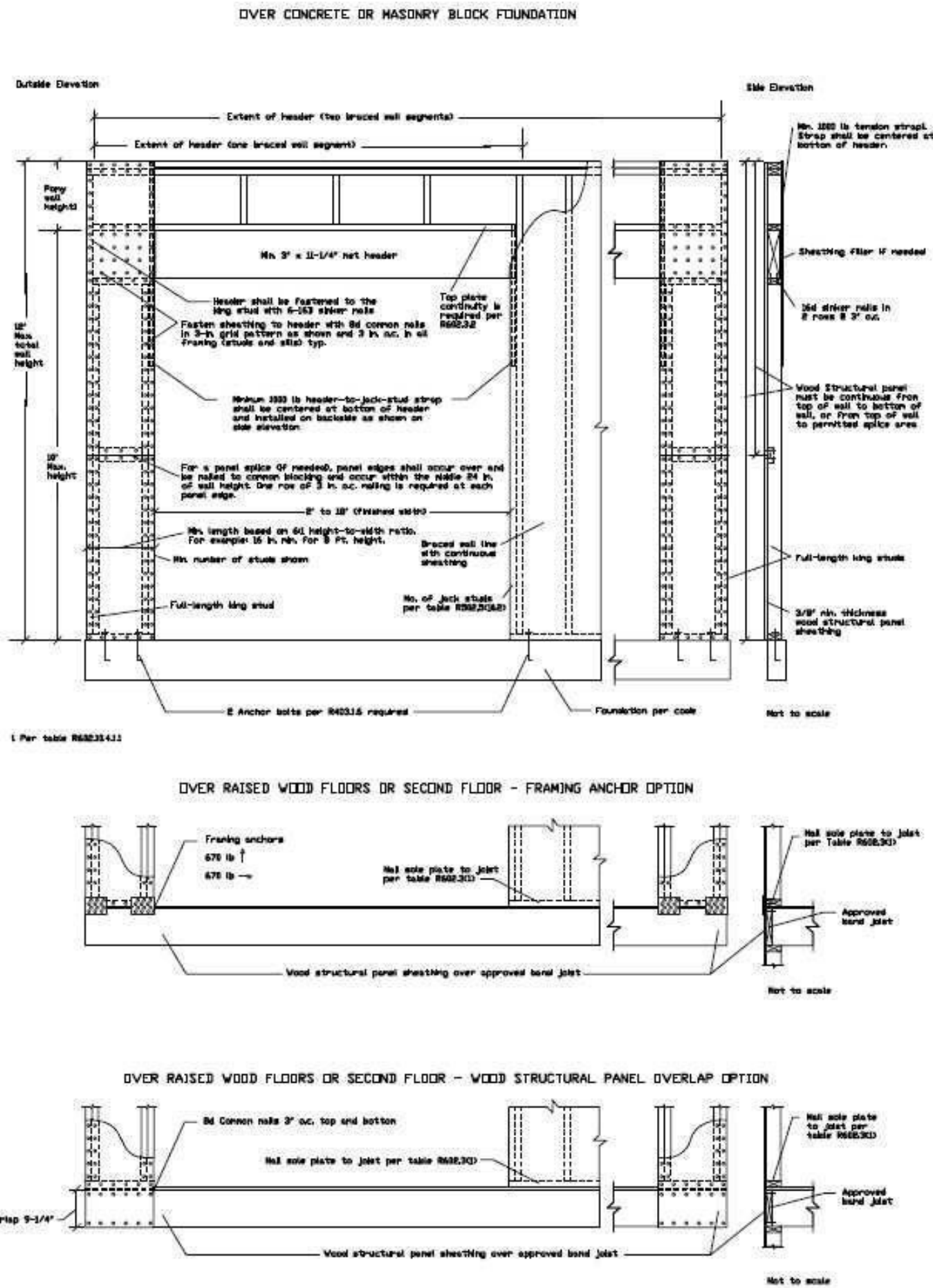
TABLE R602.3(1)—continued FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

ITEM	DESCRIPTION OF BUILDING MATERIALS	DESCRIPTION OF FASTENER ^{a, b, c}	SPACING OF FASTENERS	
			Edges (inches) ^f	Intermediate supports ^{a, c} (inches)
Wood structural panels, subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing				
32	3/8" - 1/2"	6d common (2" × 0.113") nail (subfloor wall) 8d common (2 1/2" × 0.131") nail (roof) ^f	6	12 ^g
33	1 9/32" - 1"	8d common nail (2 1/2" × 0.131") 10d common (3" × 0.148") nail or 8d (2 1/2" × 0.131") deformed nail	6	12 ^g
34	1 1/8" - 1 1/4"		6	12
Other wall sheathing ^h				
35	1/2" structural cellulose fiberboard sheathing	1 1/2" galvanized roofing nail, 7/16" crown or 1" crown staple 16 ga., 1 1/4" long	3	6
36	25/32" structural cellulose fiberboard sheathing	1 3/4" galvanized roofing nail, 7/16" crown or 1" crown staple 16 ga., 1 1/2" long	3	6
37	1/2" gypsum sheathing ⁱ	1 1/2" galvanized roofing nail; staple galvanized, 1 1/2" long; 1 1/4 screws, Type W or S	7	7
38	5/8" gypsum sheathing ⁱ	1 3/4" galvanized roofing nail; staple galvanized, 1 5/8" long; 1 5/8" screws, Type W or S	7	7
Wood structural panels, combination subfloor underlayment to framing				
39	3/4" and less	6d deformed (2" × 0.120") nail or 8d common (2 1/2" × 0.131") nail	6	12
40	7/8" - 1"	8d common (2 1/2" × 0.131") nail or 8d deformed (2 1/2" × 0.120") nail	6	12
41	1 1/8" - 1 1/4"	10d common (3" × 0.148") nail or 8d deformed (2 1/2" × 0.120") nail	6	12

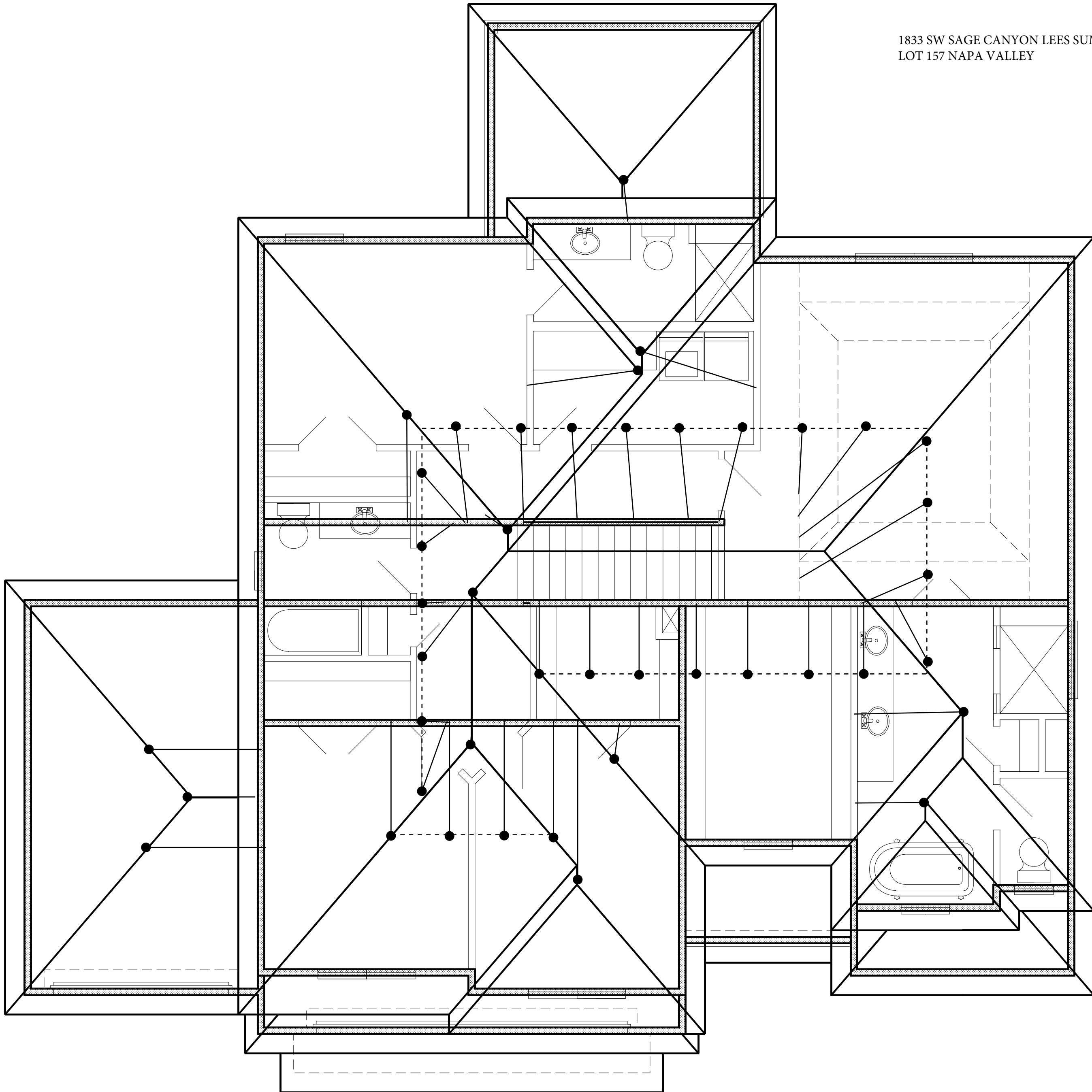
For SI: 1 inch = 25.4 mm. 1 foot = 304.8 mm. 1 mile per hour = 0.447 m/s; 1 Ksi = 6.895 MPa.

REQUIRED FOOTING:

BUILDING HEIGHT	MINIMUM FOOTING	HORIZONTAL REBAR	LOCATION OF REBAR
1 OR 2 STY.	8" T x 16" W	2-#4	5" FROM BTM
3 STORY	8" T x 24" W	2-#4	5" FROM BTM
ACC. STR.	8" T x 12" W	2-#4	5" FROM BTM



CF-PF WALL BRACING SECTION



KH-6106 (LOT 157)
ROOF ELEVATION
1/4" = 1'0"

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

NOTE... HIP RIDGE FOR THE MAIN ROOF AS:
2X8 FOR UNBRACED LENGTH UP TO 9'0"
2X10 FOR UNBRACED LENGTH UP TO 10'0"
2X12 FOR UNBRACED LENGTH UP TO 12'0"

ALL RAFTERS TO BE #2 2X6 D-PRF 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 RIDGE
WITH (4) 16d GALV. NAILS
VERT. RIDGE AND RAFTER SUPPORTS TO BE EQUAL TO OR GREATER
THAN THE DEPTH OF RAFTERS

SHEET NO.
6

PLAN NO.
KH-6106

DATE DRAWN:

PHONE:

HOME BUYER:

APPROX. SQ.FT.
6106 SEC2

FILE NAME:
6106 SEC2

DATE REVISED:

PHONE:

BUILDER:

DESIGNER:

LOT NO.

SUB-DIVISION:

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