

LOT 182 WOODSIDE RIDGE
2059 NW O'BRIEN RD.
LEE'S SUMMIT MO

Architectural drawing of a house elevation. The drawing shows a gabled roof with asphalt shingles. The roof pitch is indicated as 12/6. The central entrance features a small porch with a gabled roof. The side wings also have gabled roofs. The drawing includes dimensions for the roof pitch (12/6), window heights (8' VERT SIDING), and overall height (14' 0"). The roof is labeled "ASPHALT SHINGLES". The central entrance is labeled "8' VERT SIDING". The side wings are labeled "8' VERT SIDING". The foundation is labeled "(6) 2X4 GILDED AND NAILED".

This architectural elevation drawing shows a house with a gabled roof. The roof is labeled 'ASPHALT SHINGLES' and has a pitch of 12/6. The main body of the house is labeled '8" VERT SIDING'. A section on the right side of the house is labeled 'STUCCO'. The drawing includes vertical dimensions on the left: 8' 0" for the main story height, 14' 0" for the total height including the porch, and 8' 0" for the porch height. The drawing also shows a front porch with a railing and a small window in the basement level.

[illegible]

RIGHT ELEVATION

SF-7029

SQUARE FOOTAGE

LIVING AREA
FIRST FLOOR = 2070
SECOND FLOOR = 1043
FRONT STOOP = 157
COVERED PATIO = 334

UNFINISHED AREA

BASEMENT STORAGE = 1587

GARAGE = 760

MECH ROOM = 252

UNDER STOOP = 134

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HANGERS, AND LOCATIONS, AND COLUMN SIZES. BUILDER/CONTRACTOR TO CHECK FOR CONFORMANCE WITH CONTRACTS, CITY, AND NATIONAL CODES. BUILDER/CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SET BACKS, AND FLOOD PLAINS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESIMILANANCES TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY AN SITE CHANGES MADE TO THE STRUCTURE.

HOME BUYER:

BUILDER:

SUB-DIVISION:

PHONE:

PHONE:

LOT NO.

DATE DRAWN:

DATE REVISED:

DESIGNER:

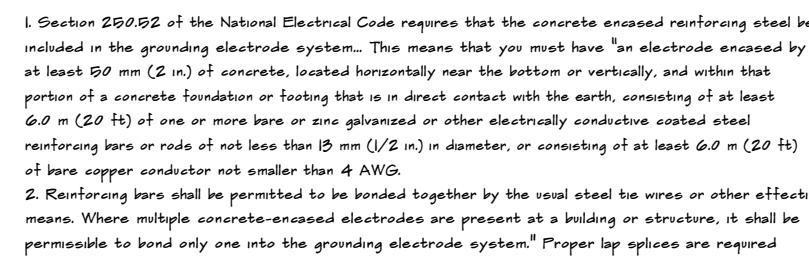
PLAN NO.

SF-7020

SHEET NO.

PROX. SQ.FT.

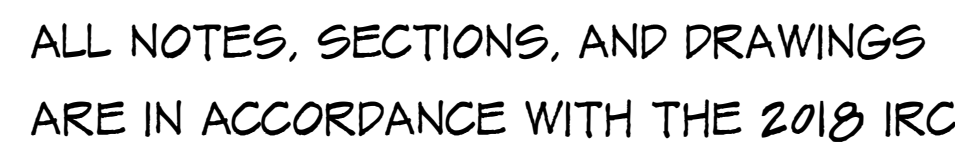




STEEL COLUMNS TO BE
3" DIAMETER SCHEDULE 40 PIPE MANUFACTURED
IN ACCORDANCE WITH ASTM A53 GRADE B OR
APPROVED EQUIVALENT UNLESS NOTED

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

FOOTING FOR 12" THICK WALL TO BE
DESIGNED BY OTHERS


$$1/2'' = 1'0''$$


BASEMENT PLAN

$$1/4'' = 1'0''$$

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	SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX. SQFT:
				7020 BSWT	

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY THROUGH FLOORS, FOUNDATION AND ELEVATIONS, ALSO VERIFY ALL BEAM, HEADERS, JOIST 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 FLOOD PLANS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESIMILANCES TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.

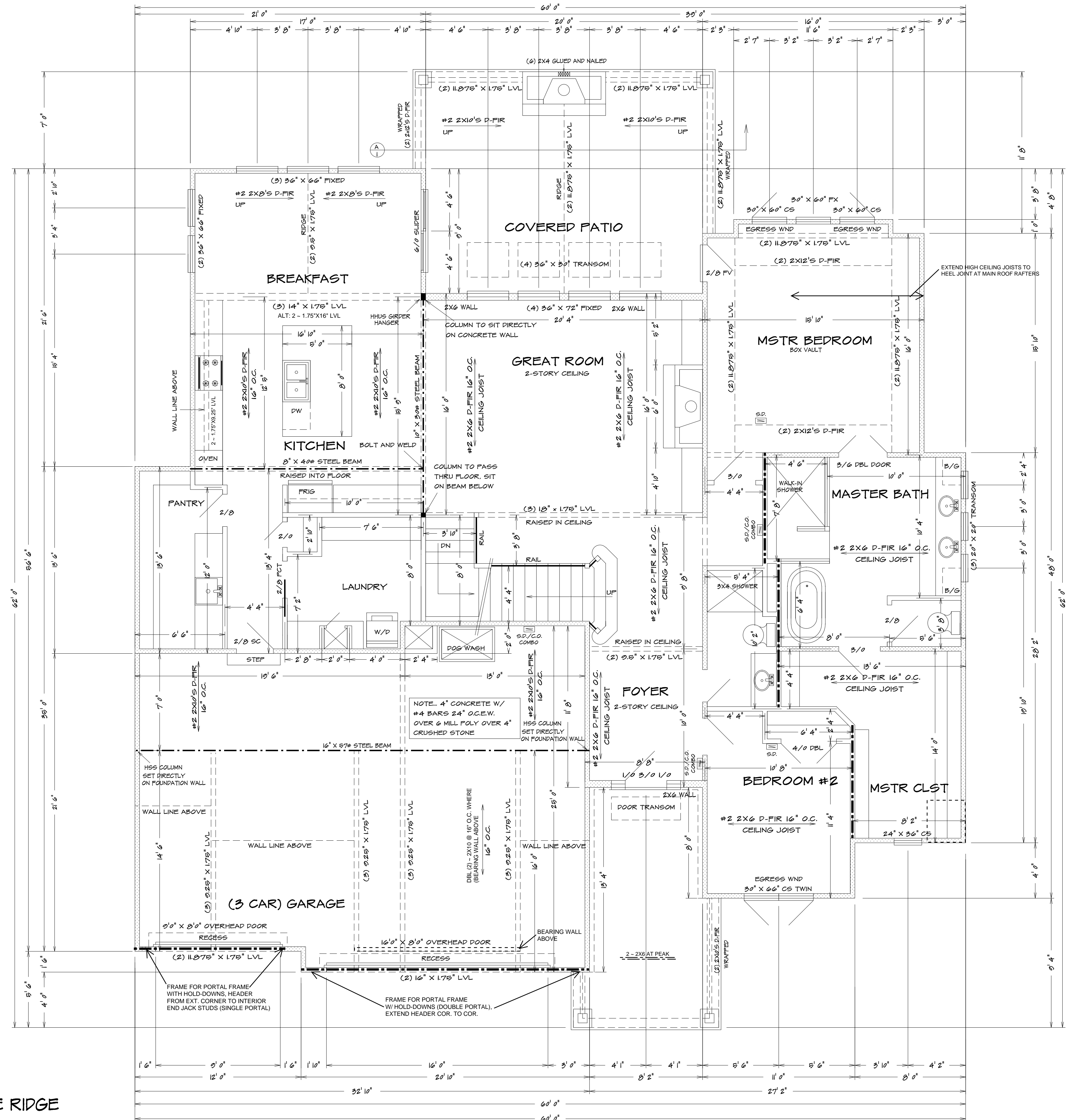




NOTE..SEE SPECS FOR SPECIFIC APPLICATIONS.



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

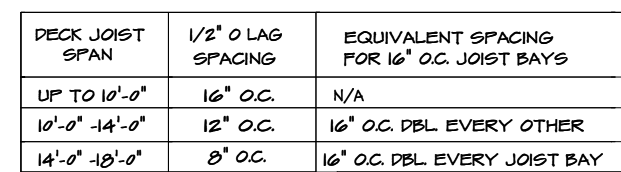


FIRST FLOOR PLAN

$$1/4'' = 1'0''$$

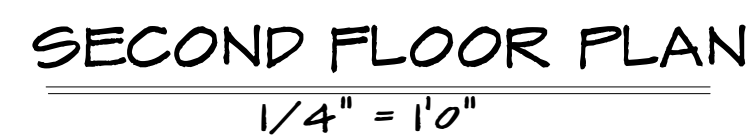
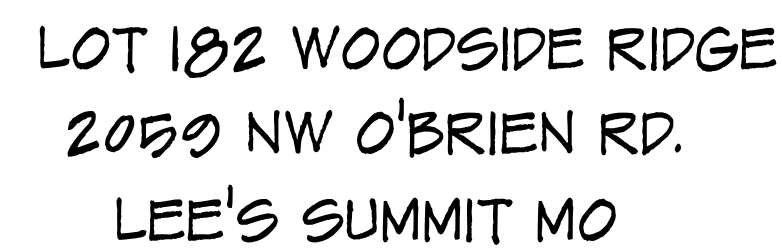
ALL NOTES, SECTIONS, AND DRAWINGS
ARE IN ACCORDANCE WITH THE 2018 IRC

BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS, ALSO VERIFY ALL BEAM HEADERS, FMC 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 FLOOD PLANS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESEMBLANCES TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.	HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO. 3
	BUILDER:	PHONE:	DATE REVISED:	FILE NAME:	
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				APPROX. SQ.FT.	

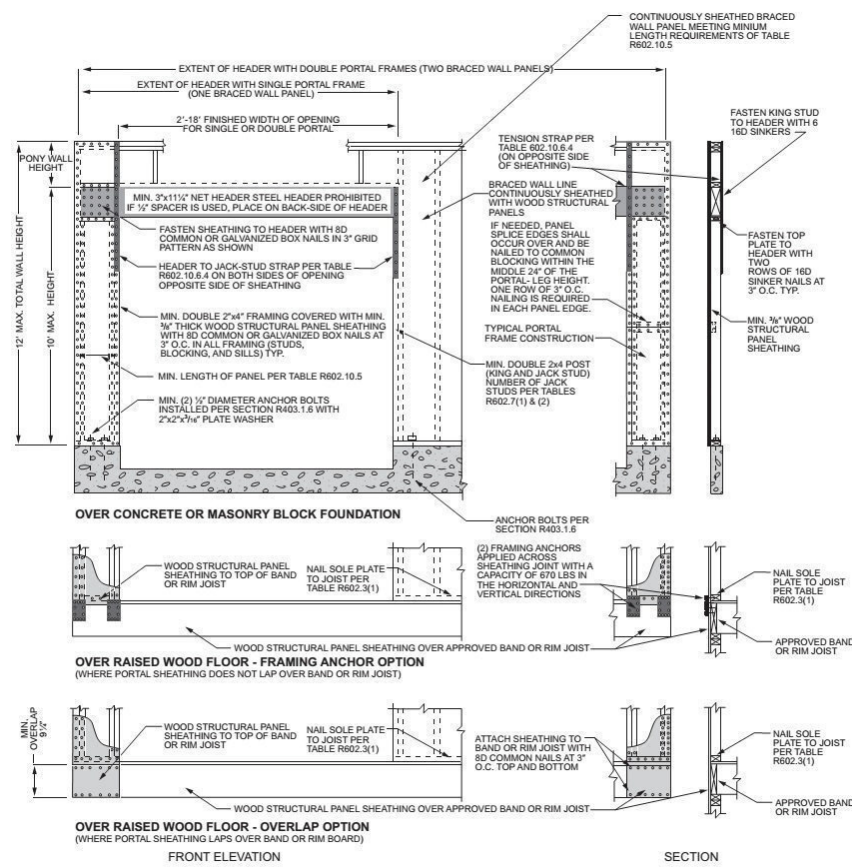
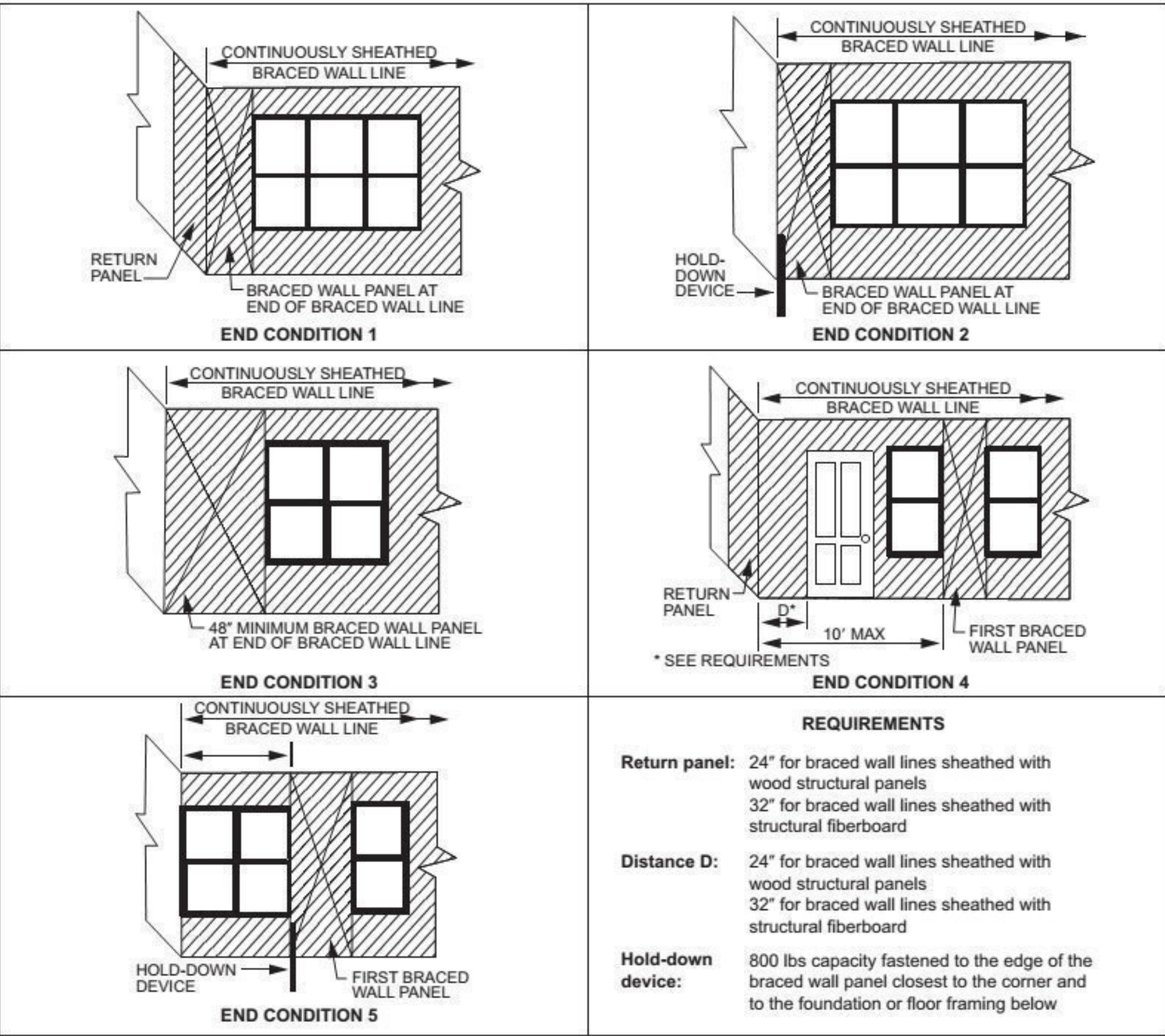


A cross-sectional diagram of a floor joist assembly. The diagram shows a central vertical joist with a hanger. Above the joist is a horizontal line representing the subfloor. Labels with leader lines point to various components: '1/2" THRU-BOLTS @ 24" O.C.' points to the bolts securing the subfloor; '3/4" T&G SUBFLOOR' points to the subfloor layer; 'JOIST PER PLAN' points to the joist on both the left and right sides; 'JOIST HANGER PER MANUFACTURER SPECS' points to the hanger; and 'STEEL BEAM (PER PLAN)' points to the central joist.

UPSET STEEL BEAM/JOIST CONNECTION

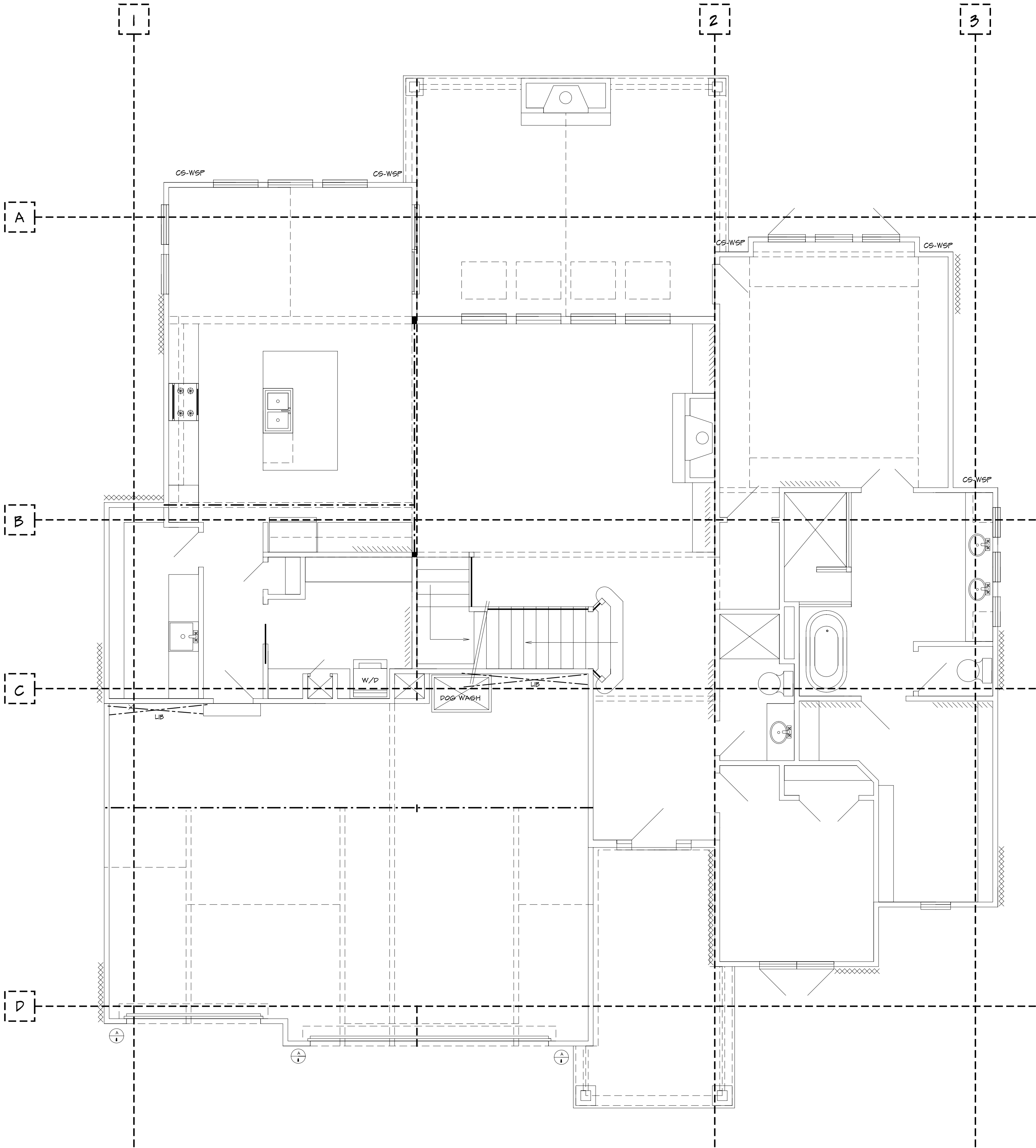


BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY AND TO PROVIDE ALL DIMENSIONS TO THE HOMEOWNERS. FOR LOCATIONS AND COLUMN SIZES. BUILDER/CONTRACTOR TO CHECK FOR CONFORMANCE WITH CONTRACTS, CITY, AND NATIONAL CODES. BUILDER/CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SETBACKS, AND FLOOD PLANS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL CONSTRUCTION DEFECTS AND DEFICIENCIES. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.	HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
	BUILDER:	PHONE:	DATE REVISED:	SP-7020	4
	SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX. SQFT:
				7020 FLR2	



ALTERNATE BRACED WALL PANEL
Method PPH: Portal frame with hold-downs

BRACED WALL LINES				
WALL	SPACING	TYPE	REQ'D	PROVIDED
1	10'	WSP	7' 6"	12' 0"
2	27'	LB/GB/WSP	12'	20' 0"
3	0' 0"	WSP	4'	12' 0"
A	10' 2"	CS-WSP	4'	10' 6"
B	10' 10"	LI B/GB	6' 6"	10' 0"
C	16' 4"	LI B/GB	6' 6"	16' 0"
D	12'	WSP/PPH	4' 6"	16'



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

LOT 182 WOODSIDE RIDGE
2050 NW O'BRIEN RD.
LEE'S SUMMIT MO

SF-7020

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
	PHONE:	DATE REVISED:	SF-7020	8
	SUB-DIVISION:	DESIGNER:	FILE NAME:	APPROX. SQ.FT.
			7020 WBSI	



SECOND FLOOR
WALL BRACE PLAN

$1/4" = 1'0"$

BRACED WALL LINES				
WALL	SPACING	TYPE	REQ'D	PROVIDED
1	8' 0"	WSP	5' 6"	12' 0"
2	10' 9"	GB	6' 6"	12' 0"
3	11' 9"	WSP	6' 6"	12' 0"
A	10' 8"	WSP	6' 6"	11' 0"
B	10' 9"	GB	6' 6"	12' 0"
C	9' 1"	WSP	5' 6"	8' 0"

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
BUILDER:	PHONE:	DATE REVISED:	SF-7020	6
SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX. SQ.FT.
			7020 WSP2	

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY AND CONFORMANCE WITH THE PLANS. BUILDER/CONTRACTOR SHALL VERIFY ALL FOUNDATION, FLOORING, ROOFING, ELEVATIONS, ALSO VERIFY ALL BEAM, HEADERS, JOIST LOCATIONS, AND COLUMN SIZES. BUILDER/CONTRACTOR TO CHECK FOR COMPLIANCE WITH CONTRACTS CITY, AND NATIONAL CODES. BUILDER/CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SETBACKS, AND FLOOD PLAINS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR VIOLATIONS OF ANY OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.



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-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

ALL NOTES, SECTIONS, AND DRAWINGS
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BRIDGING
JOISTS EXCEEDING A NOMINAL 2" X 12" SHALL BE SUPPORTED
LATERALLY BY SOLID BLOCKING, DIAGONAL BRIDGING
(WOOD OR METAL), OR A CONTINUOUS 1" X 3" STRIP NAILED
ACROSS THE BOTTOM OF THE JOIST PERPENDICULAR TO JOIST AT
INTERVALS NOT EXCEEDING 8 FEET

7. INSTALL BLOCKING FOR TF HOLDERS, TOWEL BARS, AND TRIM BEAMS.

10. GARAGE DOOR H-FRAME: THE H-FRAME FOR ATTACHMENT OF THE GARAGE DOOR TRACK AND COUNTER BALANCE SHALL CONSIST OF THE FOLLOWING:

- 2x4 VERTICAL JAMBS RUNNING FROM FLOOR TO CEILING ATTACHED WITH 3/4" X 120 NAILS @ 7". STAGGERED WITH (7) 3/4" X 120 NAILS THRU JAMB INTO HEADER. MINIMUM 2x8 HEADER FOR ATTACHMENT OF COUNTER BALANCE SYSTEM.
- 1 OVERHEAD GARAGE DOORS TO MEET 90 MPH WIND LOAD RESISTANCE REQUIREMENTS OF PSMA 102-B AND ASTM E 556.
- MINIMUM RISE/TREAD OF 6:4.
- MINIMUM RISE/TREAD OF STAIRWAYS SHALL NOT EXCEED 7:14". MAXIMUM RISER HEIGHT OF STAIRWAYS SHALL NOT EXCEED 7:3/4". AND THE TREADS SHALL PROVIDE A MINIMUM TREAD DEPTH OF 10".

13. ALL EXTERIOR AND LOAD BEARING WINDOW AND DOOR HEADERS TO BE (2) 2x10 SPF OR #2 UNLESS NOTED OTHERWISE ON PLANS.

14. ALL HEADER BEARINGS (OTHER THAN WINDOWS) TO BE (2) 2x4 STUDS UNLESS NOTED OTHERWISE.

WINDOW HEADER BEARING TO BE (1) 2x4 EA END UNLESS NOTED OTHERWISE.

WALLS	R-13
CEILING (FLAT)	R-40
CEILING (VAULTED)	R-50
(NOTE: VAULTED AREA NOT TO 500sq ft OR 20% OF ROOF AREA, WHICHEVER IS LESS)	
FLOORS OVER UNCONDITIONED SPACE	R-10
CRAWL SPACE WALLS	R-13 (or R-10 CONTINUOUS)
BASEMENT WALLS	R-13 (or R-10 CONTINUOUS)
SLABS	N/R
DUCTWORK	R-0
WINDOWS	
U-FACTOR	U 0.35 (MAX)
SHGC	0.40 (MAX)
SKYLIGHTS	
U-FACTOR	U 0.35 (MAX)
SHGC	0.40 (MAX)

The diagram illustrates the construction of a room under a stoop, divided into two parts: a main cross-section and a detail view of the porch stoop.

Main Cross-Section Labels:

- House wrap
- Siding
- Wall sheathing
- Floor joists
- Ice and water shield (EPDM) or equivalent membrane (one continuous piece secured in place)
- Reinforcement per struct. req.
- Min. 2x8 - 16" o.c. treated joists and ledgers or pan deck
- Treated plywood
- Wedge anchors @ 16" o.c.
- Foundation
- Max. 8'
- Room Under Stoop

GENERAL REQUIREMENTS:

FLASHING OR ANOTHER APPROVED WEATHER RESISTIVE BARRIER SHALL BE PLACED BETWEEN THE CONCRETE PORCH STOOP AND THE DWELLING (IRC R910).

THE WEATHER RESISTIVE BARRIER SHALL EXTEND UNDER THE WALL COVERING AND DOWN OVER THE EDGE OF THE FOUNDATION WALL TO FORM A CONTINUOUS BARRIER TO PREVENT WATER INTRUSION INTO THE BUILDING (IRC R705.8).

PENETRATIONS, SEAMS, AND JOINTS SHALL BE EFFECTIVELY SEALED.

THE FLASHING AND SEALANTS SHALL FORM A PHYSICAL

Detail View Labels:

- Siding
- Wall sheathing
- Floor joists
- Seal
- Foundation
- Reinforcement
- EPDM membrane flashing between stoop and wood framing - extend under siding and over the foundation
- Metal flashing over EPDM
- Slope 1/8-1/4 inch per ft
- Porch stoop

FLASHING OR ANOTHER APPROVED WEATHER RESISTIVE BARRIER SHALL BE PLACED BETWEEN THE CONCRETE PORCH STOOD AND THE DWELLING (IRC R510). THE WEATHER RESISTIVE BARRIER SHALL EXTEND UNDER THE WALL COVERING AND DOWN OVER THE EDGE OF THE FOUNDATION WALL TO FORM A CONTINUOUS BARRIER TO PREVENT WATER INTRUSION INTO THE BUILDING (IRC R70 PENETRATIONS, SEAMS, AND JOINTS SHALL BE EFFECTIVE SEALED).

THE FLASHING AND SEALANTS SHALL FORM A PHYSICAL BARRIER TO RESTRICT TERMITE ACCESS (IRC R520)

S.D.
[W] = SMOKE DETECTOR

ITEM	DESCRIPTION OF BUILDING MATERIALS	DESCRIPTION OF FASTENERS	Edges (inches)	SPACING OF FASTENERS	
				Intermediate supports (inches)	Ends (inches)
	wood structural panels, soffits, roof and interior wall sheathing in framing and particleboard wall sheathing in framing and particleboard wall sheathing in framing				
32	$7/8" \times 3/4"$	not common ($2" \leq 21/2"$) not common ($21/2" < 3"$) not common ($3" \leq 3.148"$) not common ($3.148" < 3.5"$)	6	6	12 ^a
33	$17/32" \times 1"$	not common ($21/2" \leq 3"$) not common ($3" \leq 3.148"$) not common ($3.148" < 3.5"$) not common ($3.5" \leq 3.137"$)	6	6	12 ^a
34	$3/4" \times 3/4"$	not common	6	12	12 ^a
	other wall sheathing^b				
35	$1/2"$ structural cellular board sheathing	$1/2"$ galvanized roofing nails $3/4"$ screws or $1"$ screws	3	6	12 ^a
36	$1/2"$ structural cellular board sheathing	$1/2"$ galvanized roofing nails $3/4"$ screws or $1"$ screws	3	6	12 ^a
37	$1/2"$ gypsum sheathing ^c	$1/2"$ galvanized roofing nails nails spaced diagonally $3/4"$ screws	7	7	7
38	$1/2"$ gypsum sheathing ^c	$1/2"$ galvanized roofing nails nails spaced diagonally $3/4"$ screws	7	7	7
A	wood structural panels, combination soffit/roof underlayment to framing	not common ($21/2" \leq 3"$) not common ($3" \leq 3.148"$) not common ($3.148" < 3.5"$) not common ($3.5" \leq 3.137"$)			
40	$7/8" \times 1"$	not common ($21/2" \leq 3"$) not common ($3" \leq 3.148"$) not common ($3.148" < 3.5"$)	6	6	12 ^a
41	$3/4" \times 3/4"$	not common ($21/2" \leq 3"$) not common ($3" \leq 3.148"$) not common ($3.148" < 3.5"$)	6	6	12 ^a

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.

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	8	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	4-#4	5-#4	6-#4	4-#4	5-#4	6-#4
maximum spacing 24" o.c.						

GENERAL HEADER SPECIFICATIONS:	
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.

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