GENERAL NOTES AND SPECIFICATIONS

ABBREVIATIONS

ACC.	=	ACCESS
BWL.	=	BRACED WALL LINE
BWP.	=	BRACED WALL PANEL
C.O.	=	CASED OPENING
C.J.	=	CEILING JOIST
CLOS.	=	CLOSET
COL.	=	COLUMN
COMP.	=	COMPOSITION
CONC.	=	CONCRETE
CONT.	=	CONTINUOUS
C.M.A.	=	CARBON MONOXIDE ALARM
C.M.U.	=	CONCRETE MASONRY UNIT
D.H.	=	DOUBLE HUNG
DIA.	=	DIAMETER
D.J.	=	DOUBLE JOIST
DN.	=	DOWN
EXH.	=	EXHAUST
EXT.	=	EXTERIOR
FL.J.	=	FLOOR JOIST
FTG.	=	FOOTING
G.F.I.	=	GROUND FAULT INTERRUPTER
H.B.	=	HOSE BIB
LVL	=	LAMINATED VENEER LUMBER
M.O.	=	MASONRY OPENING
MAS.	=	MASONRY
MAX.	=	MAXIMUM
M.C.	=	MEDICINE CABINET
MTL.	=	METAL
MIN.	=	MINIMUM
O.C.	=	ON CENTER
OSB	=	ORIENTED STRAND BOARD
PERF.	=	PERFORATED
REC.	=	RECESSED
REINF.	=	REINFORCED
SCR.	=	SCREENED
S.D.	=	SMOKE DETECTOR
SEC.	=	SECOND
SHWR.	=	SHOWER
S.Y.P.	=	SOUTHERN YELLOW PINE
S.P.F.	=	SPRUCE/PINE/FIR
SUSP.	=	SUSPENDED
TYP.	=	TYPICAL
U.O.N.	=	UNLESS OTHERWISE NOTED
WASH.	=	WASHER
W.H.	=	WATER HEATER
W.P.	=	WEATHER PROOF
W.W.M.	=	WELDED WIRE MESH
WDW. HT.	=	WINDOW HEIGHT
WD.	=	WOOD

SYMBOLS

—O	=	HOSE BIB
S	=	SWITCH
S_3	=	3–WAY SWITCH
	=	LIGHT FIXTURE
	=	EXHAUST FAN & LIGHT
	=	SMOKE DETECTOR
	=	SHOWER HEAD
	=	TELEPHONE JACK
	=	CONVENIENCE OUTLET
	=	220 VOLT OUTLET
	=	GROUND FAULT INTERRUPTER
	=	CEILING FAN
C	=	CARBON MONOXIDE ALARM

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ORIGINAL PURCHASE AGREEMENT

SEE ATTACHED CONSTRUCTION LICENSE FOR INVOICE NUMBER 13230.

BUILDING CODE INFORMATION

THIS PLAN HAS BEEN DRAWN TO CONFORM TO THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION (2015 INTERNATIONAL RESIDENTIAL CODE FOR ONE– AND TWO–FAMILY DWELLINGS, CURRENT EDITION) WITH AMENDMENTS UNLESS OTHERWISE NOTED. (SEE ATTACHMENTS)

PRIOR TO CONSTRUCTION

THE CONTRACTOR SHALL REVIEW THE PLAN(S) FOR THIS PARTICULAR BUILDING PROJECT TO ENSURE COMPLIANCE WITH ALL NATIONAL, STATE AND LOCAL CODES, CLIMATIC GEOGRAPHIC DESIGN CRITERIA, AND ANY OTHER PROVISIONS THAT MAY BE REQUIRED BY VA/FHA/RD.

THE CONTRACTOR SHALL VERIFY PLAN DIMENSIONS, STRUCTURAL COMPONENTS, AND GENERAL SPECIFICATIONS CONTAINED IN THIS SET OF PLANS AND REPORT ANY DISCREPANCIES TO STANDARD HOMES PLAN SERVICE, INC. FOR JUSTIFICATION OR CORRECTION BEFORE PROCEEDING WITH WORK ON HOUSE.

THE CONTRACTOR SHALL DETERMINE ROUGH OPENING SIZES FOR ALL BUILT–IN EQUIPMENT AND/OR FACILITIES AND ADJUST PLAN DIMENSIONS AS REQUIRED.

DO NOT SCALE FROM BLUEPRINTS. REFER TO THE LABELED DIMENSIONS FOR ACTUAL MEASUREMENTS.

IT SHALL BE THE RESPONSIBILITY OF THE OWNER/BUILDER TO PROVIDE FOR THE SERVICES OF A PROFESSIONAL ENGINEER IF REQUIRED BY THE BUILDING CODE OFFICIAL.

SHIPPING DATE : _____

STAMP MUST APPEAR IN RED. PLANS FOR WHICH A BUILDING PERMIT HAS NOT BEEN OBTAINED ONE YEAR FROM THE ABOVE DATE IS SUBJECT TO REVIEW BY STANDARD HOMES PLAN SERVICE, INC. A FEE MAY BE CHARGED FOR THIS SERVICE.

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.
APPROVED
Limited building only review
Permit holder responsible for full compliance with the code
03/28/2023
Harnett COUNTY NORTH CAROLINA

EXCAVATION

EXCAVATE TO UNDISTURBED SOIL. BOTTOM OF FOOTING SHALL EXTEND BELOW LOCAL FROST LINE AND TO A MINIMUM DEPTH OF 12" BELOW ADJACENT GRADE. (PRESUMED 2000 PSF SOIL BEARING CAPACITY).

EXPANSIVE, COMPRESSIVE OR SHIFTING SOILS SHALL BE REMOVED TO A DEPTH AND WIDTH SUFFICIENT TO ASSUME A STABLE MOISTURE CONTENT IN EACH ACTIVE ZONE.

FOUNDATION

PROVIDE 1/2" DIA. STEEL ANCHOR BOLTS 6'–0" O.C., 1'–0" MAX. FROM CORNERS AND 1'–0" MAX. FROM ENDS OF EACH PLATE SECTION, WITH 7" MIN. EMBEDMENT.

PROVIDE FOUNDATION WATERPROOFING AND DRAIN WITH POSITIVE SLOPE TO OUTLET AS REQUIRED BY SITE CONDITIONS.

SLOPE GRADE AWAY FROM FOUNDATION WALLS 6" MINIMUM WITHIN THE FIRST 10 FEET.

PROVIDE PRESSURE TREATED LUMBER FOR SILLS, PLATES, BANDS AND ANY LUMBER IN CONTACT WITH MASONRY.

PROVIDE APPROVED AND BONDED CHEMICAL SOIL TREATMENT AGAINST FUNGUS, TERMITES AND OTHER HARMFUL INSECTS.

CRAWL SPACE

ALL GIRDER JOINTS AND ENDS OF GIRDERS SHALL REST ON SOLID BEARINGS. FILL CORES OF HOLLOW MASONRY TO FOOTING WITH CONCRETE. FILL TOP COURSE CORES OF EXTERIOR FOUNDATION WALL WITH CONCRETE.

FOOTINGS SHALL EXTEND 6" AND SHALL BE 12" THICK UNDER GIRDER PIERS.

CHIMNEY FOOTING SHALL EXTEND 12" MINIMUM BEYOND EACH SIDE AND SHALL BE AT LEAST 12" THICK.

BASEMENT

ALL GIRDER JOINTS SHALL BREAK ON COLUMN CENTER LINES (STAGGERED) AND ENDS OF GIRDERS SHALL REST ON SOLID MASONRY.

DOUBLE SILL AND USE LEDGER OVER ALL BASEMENT OPENINGS.

ALL BASE. SASH SHALL BE 18/20 2–LT. 3'–3 7/8" X 1'–11 15/16" 3420 HB.

FRAMING

ALL FLOOR JOISTS, CEILING JOISTS, RAFTERS, GIRDERS, HEADERS, SILLS AND BEAMS SHALL BE NO. 2 SPRUCE/PINE/FIR (S.P.F.) UNLESS OTHERWISE INDICATED.

ALL LOAD BEARING WALLS SHALL BE STUD GRADE SPRUCE/PINE/FIR (S.P.F.) UNLESS OTHERWISE INDICATED.

DESIGN SPECIFICATIONS FOR LAMINATED VENEER LUMBER (LVL) BEAMS AND HEADERS :
GRADE : 2950Fb–2.0E
BENDING Fb : 2950
MOE : 2.0 X 10^6
SHEAR Fv : 290

SUPPORT FOR HEADERS:
HEADERS SHALL BE SUPPORTED ON EACH END WITH ONE OR MORE JACK STUDS OR WITH APPROVED FRAMING ANCHORS IN ACCORDANCE WITH BUILDING CODE (SEE PLAN). THE FULL–HEIGHT STUD ADJACENT TO EACH END OF THE HEADER SHALL BE END NAILED TO EACH END OF THE HEADER WITH FOUR–16D NAILS. SEE TABLE BELOW.

MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS:

HEADER SPAN (FEET)	MAXIMUM STUD SPACING (INCHES	
	16	24
3 FEET OR LESS	1	1
4 FT.	2	1
8 FT.	3	2
12 FT.	5	3
16 FT.	6	4

CLIMATIC AND GEOGRAPHICAL DESIGN CRITERIA

ROOF LIVE LOAD (POUNDS PER SQUARE FOOT) : 20 PSF
ULTIMATE DESIGN WIND SPEED (MILES PER HOUR) : 120 MPH
NOMINAL DESIGN WIND SPEED : 93 MPH
EXPOSURE CATEGORY "B" UNLESS OTHERWISE NOTED
WINDOW DESIGN PRESSURE RATING : DP 25
COMPONENT AND CLADDING LOADS FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FEET OR LESS:

PRESSURE ZONE	ULTIMATE DESIGN WIND SPEED (MPH)			
	115	120	130	140
ZONE 1	13.1, –14.0	14.2, –15.0	16.7, –18.0	19.4, –21.0
ZONE 2	13.1, –16.0	14.2, –18.0	16.7, –21.0	19.4, –24.0
ZONE 3	13.1, –16.0	14.2, –18.0	16.7, –21.0	19.4, –24.0
ZONE 4	14.3, –15.0	15.5, –16.0	18.2, –19.0	21.2, –22.0
ZONE 5	14.3, –19.0	15.5, –20.0	18.2, –24.0	21.2, –28.0

ASSUMED MEAN ROOF HEIGHT: 15'–8"

SEISMIC CONDITION BY ZONE : ZONES A AND B
SUBJECT TO DAMAGE FROM WEATHERING : MODERATE
CLIMATE ZONES (UNLESS OTHERWISE NOTED): ZONES 3 AND 4
MINIMUM VALUES FOR ENERGY COMPLIANCE:
CEILING R–38; EXTERIOR WALLS R–15; FLOORS R–19
WINDOW U–FACTOR ≤ 0.35; RECOMMENDED SHGC ≤ 0.30

MISCELLANEOUS

LOCATE ALL CONVENIENCE OUTLETS ABOVE KITCHEN BASE CABINETS 42" ABOVE FINISHED FLOOR.

EMERGENCY EGRESS REQUIREMENTS

IT SHALL BE THE RESPONSIBILITY OF THE OWNER/BUILDER TO VERIFY CONFORMITY WITH EGRESS REQUIREMENTS BASED ON SPECIFICATIONS PROVIDED BY WINDOW MANUFACTURER.

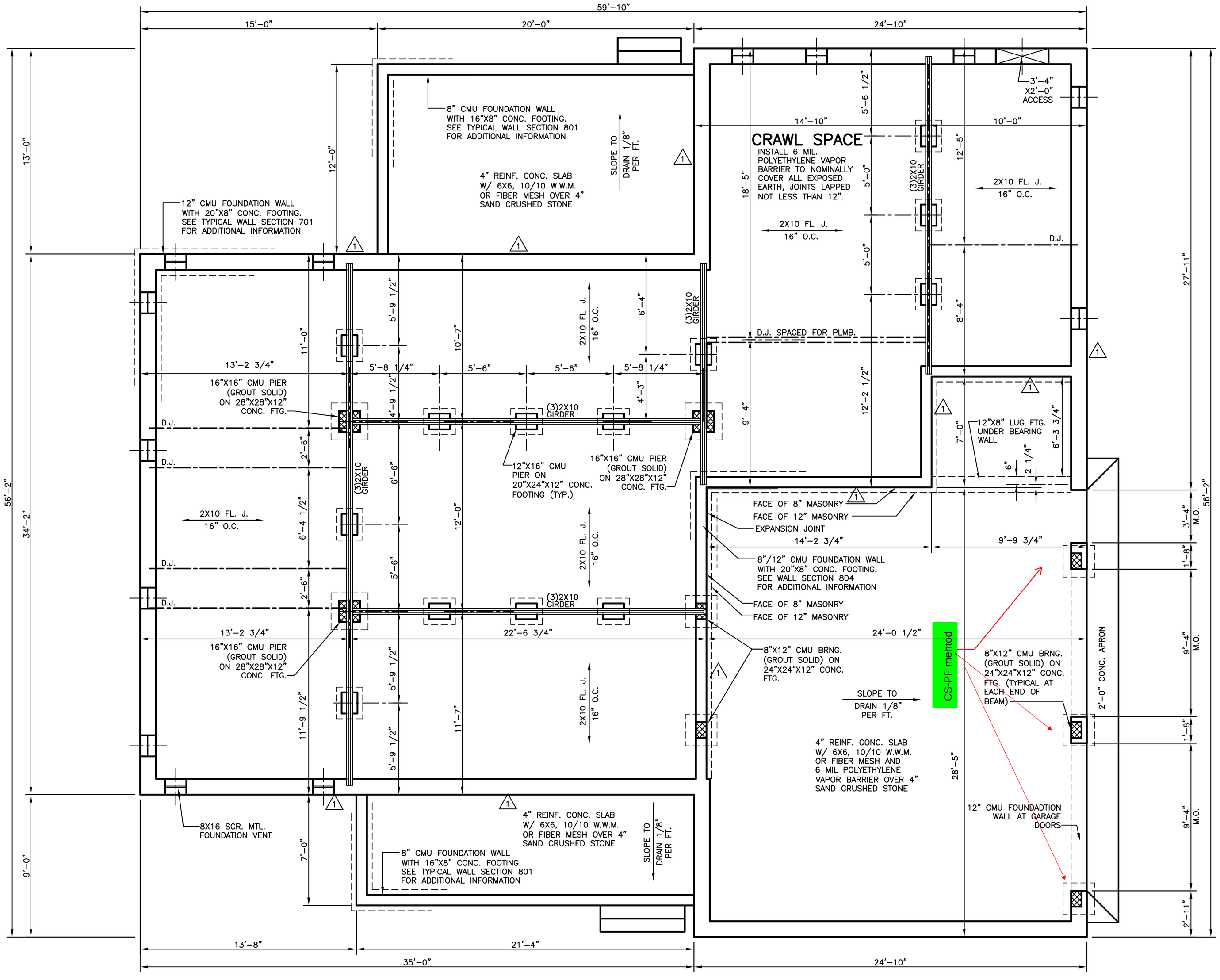
2018 NORTH CAROLINA RESIDENTIAL CODE

THE REQUIRED EGRESS WINDOW FROM EVERY SLEEPING ROOM SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE FINISHED FLOOR. THE NET CLEAR OPENING SHALL NOT BE LESS THAN 4.0 SQUARE FEET WHERE THE NET CLEAR OPENING HEIGHT SHALL BE AT LEAST 22 INCHES AND THE NET CLEAR OPENING WIDTH SHALL BE AT LEAST 20 INCHES. IN ADDITION THE MINIMUM TOTAL GLASS AREA SHALL NOT BE LESS THAN 5.0 SQUARE FEET IN THE CASE OF A GROUND STORY WINDOW AND NOT LESS THAN 5.7 SQUARE FEET IN THE CASE OF A SECOND STORY WINDOW.

2015 INTERNATIONAL RESIDENTIAL CODE

THE REQUIRED EGRESS WINDOW FROM EVERY SLEEPING ROOM SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE FINISHED FLOOR. ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET EXCEPT GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM NET OPENING OF 5 SQUARE FEET. THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES. THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES

03–14–23



1 PROVIDE PRESSURE TREATED BAND JOIST AND GALVANIZED METAL FLASHING AT ALL LOCATIONS WHERE EITHER SOIL, BACKFILL MATERIAL, OR CONCRETE IS IN CONTACT WITH FLOOR FRAMING.

FOUNDATION VENTILATION REQUIREMENTS :
1836 SQ. FT. –:– 1500 = 1.22 SQ. FT. NET FREE AREA REQ'D.

PROVIDE MINIMUM OF 3 VENTS WITH A MINIMUM OF 64 SQUARE INCHES NET FREE AREA PER VENT.

FOUNDATION PLAN

SCALE: 1/4" = 1'–0"

03–14–23

DESIGNED

Standard Homes Plan Service, Inc.

7200 SUNSET LAKE ROAD FUQUAY–VARINA, NC 27526 (919)552–5677

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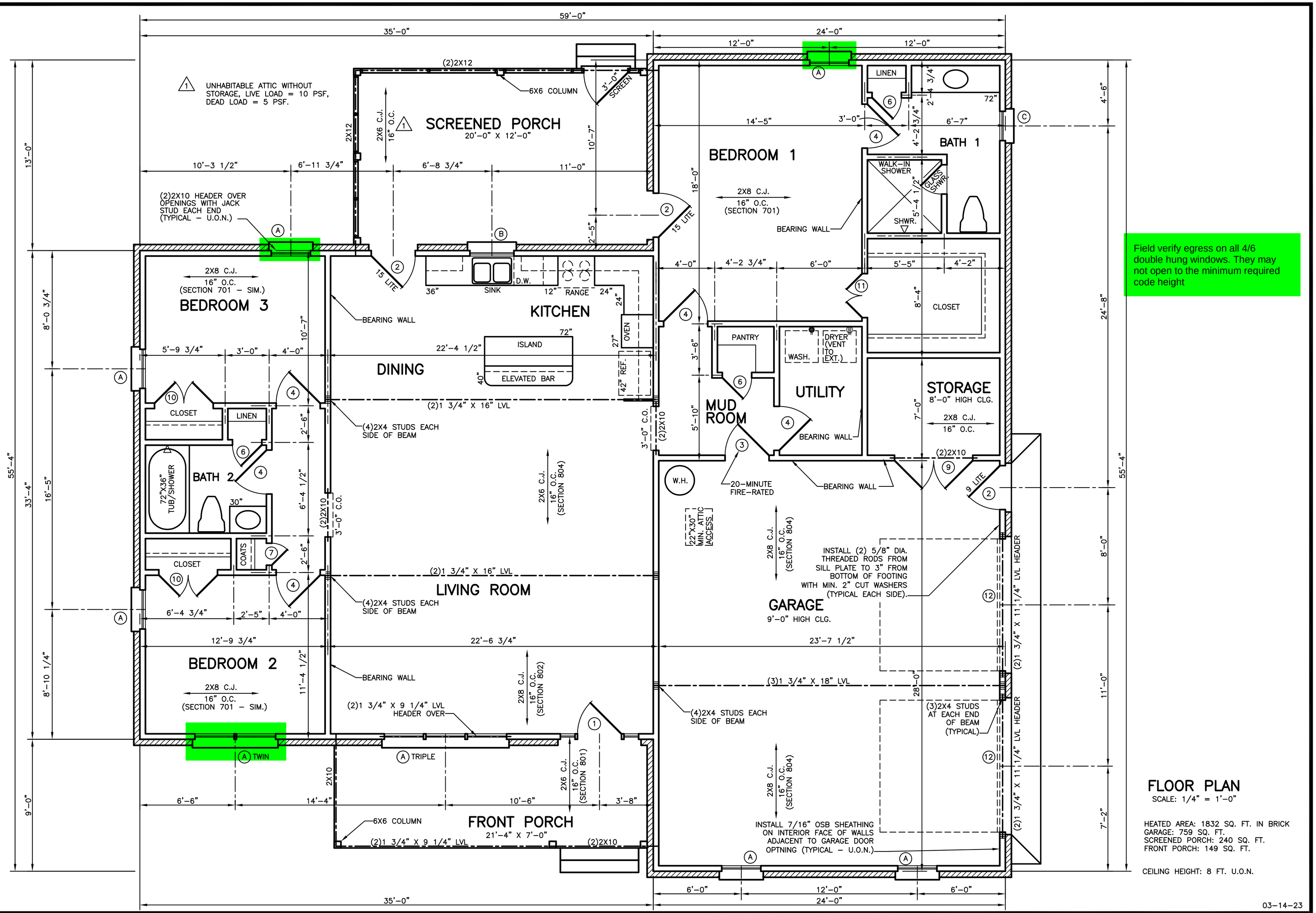
DESIGNED FOR	PLAN	NO.	MAT'L.	SHOWN	SHEET
KEITH HARRIS	CUSTOM	2634	BK.		2 OF 8



Field verify egress on all 4/6 double hung windows. They may not open to the minimum required code height

FLOOR PLAN

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

HEATED AREA: 1832 SQ. FT. IN BRICK
GARAGE: 759 SQ. FT.
SCREENED PORCH: 240 SQ. FT.
FRONT PORCH: 149 SQ. FT.

CEILING HEIGHT: 8 FT. U.O.N.

03-14-23

WINDOW SCHEDULE

A	2'-8" X 4'-6" WD. D.H.	D		G		L	
B	3'-0" X 3'-2" WD. D.H.	E		H		M	
C	2'-0" X 3'-2" WD. D.H.	F		K		N	

DOOR SCHEDULE

1	1'-0" SIDELITE EA. SIDE 3'-0" X 6'-8" X 1 3/4"	4	3'-0" X 6'-8" X 1 3/8"	7	1'-6" X 6'-8" X 1 3/8"	10	DOUBLE 4'-0" X 6'-8" X 1 3/8"
2	9 LITE/15 LITE 3'-0" X 6'-8" X 1 3/4"	5	2'-6" X 6'-8" X 1 3/8"	8	BI-FOLD 5'-0" X 6'-8" X 1 3/8"	11	DOUBLE 3'-0" X 6'-8" X 1 3/8"
3	3'-0" X 6'-8" X 1 3/4"	6	2'-0" X 6'-8" X 1 3/8"	9	DOUBLE 5'-4" X 6'-8" X 1 3/8"	12	GARAGE DOOR 9'-0" X 8'-0"

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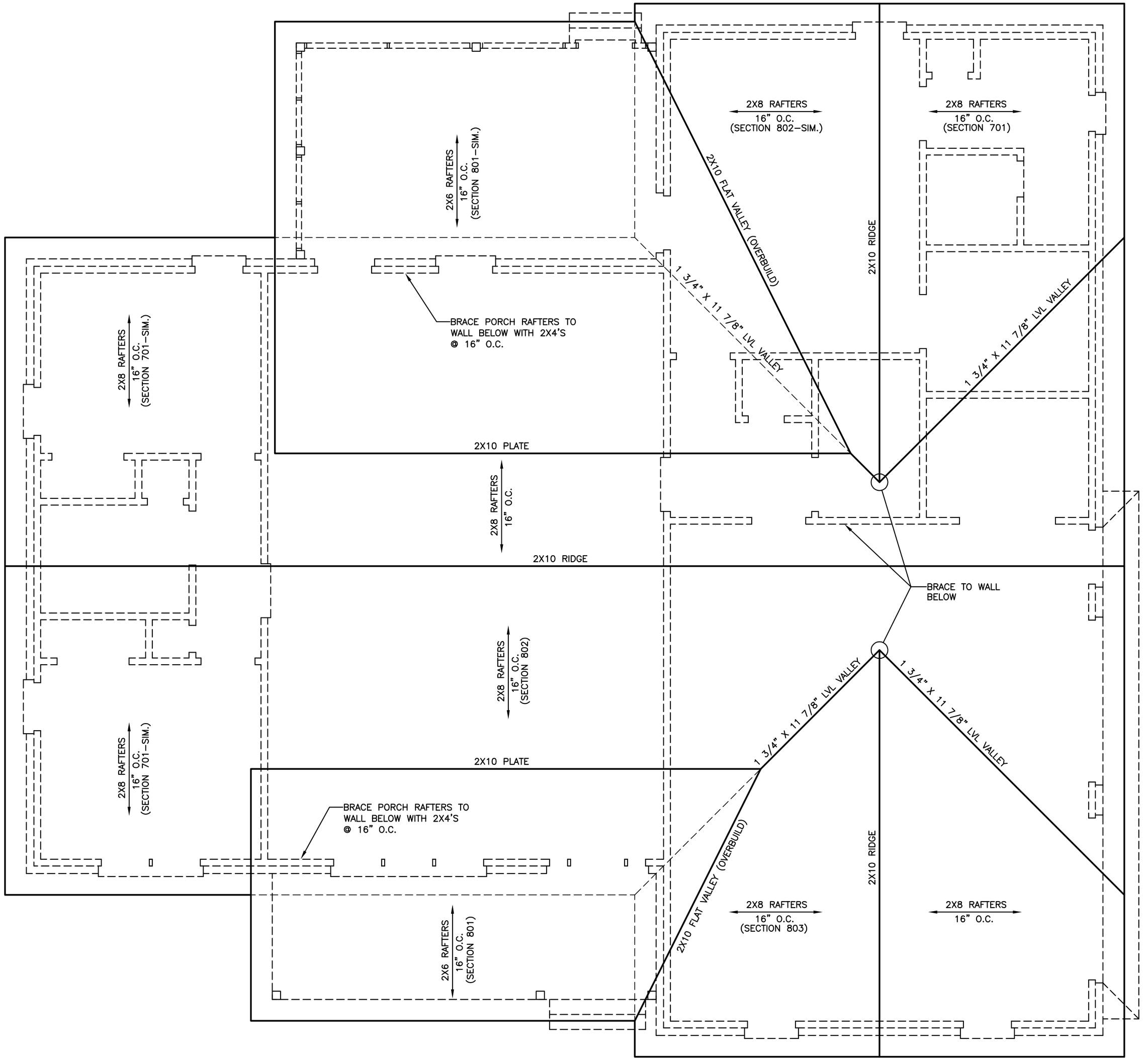
SHEET 3 OF 8

PLAN CUSTOM | NO. 2634 | MATERIAL BK.



ATTIC VENTILATION REQUIREMENTS :
2980 SQ. FT. ÷ 150 = 19.9 SQ. FT. NET
FREE AREA REQUIRED

ROOF PLAN

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

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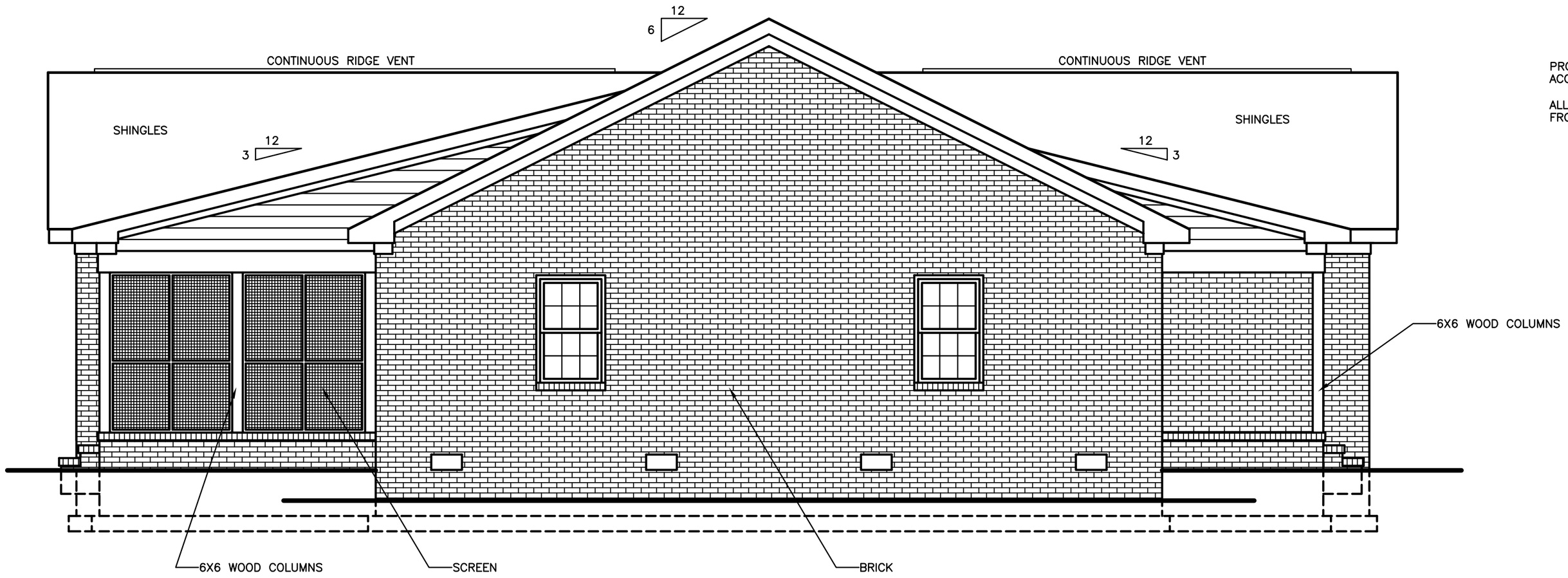
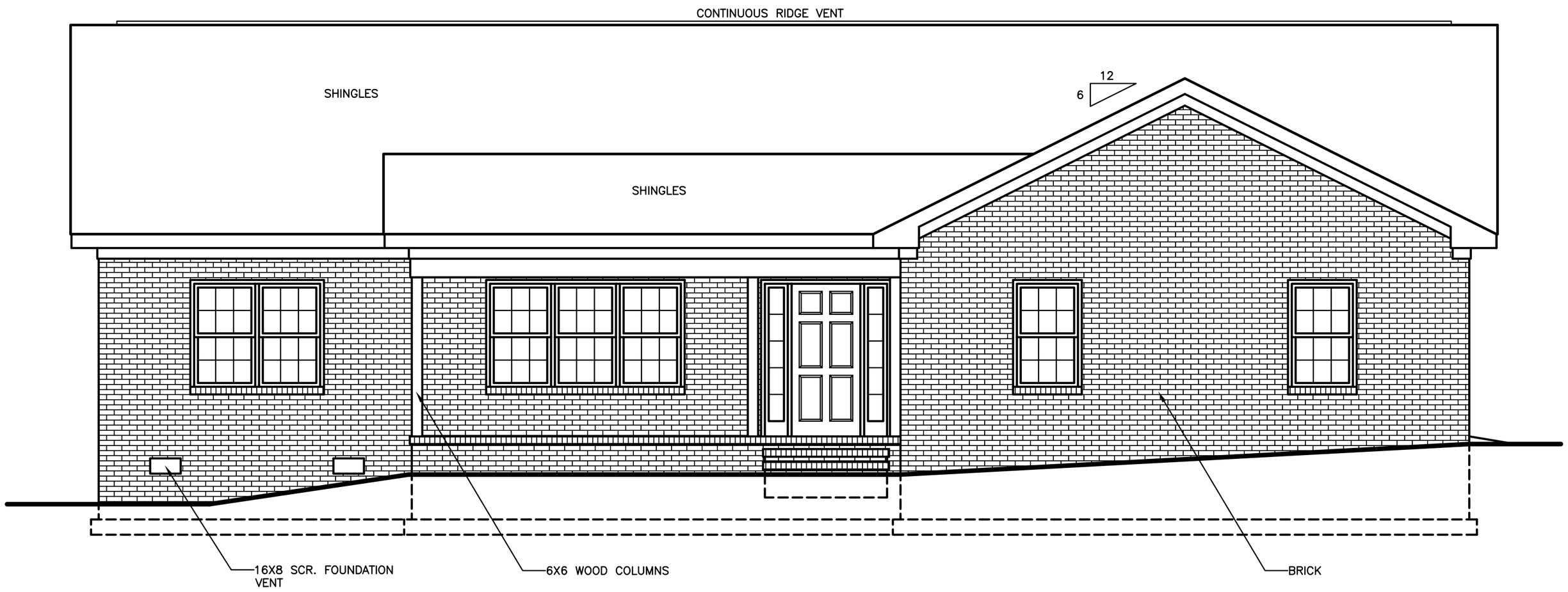


LEFT SIDE ELEVATION
SCALE : 1/4" = 1'-0"

PROVIDE GUTTERS, DOWNSPOUTS AND SPLASHPADS ACCORDING TO LOCAL CODE AND RAINFALL CONDITIONS.

ALL SPLASHPADS SHALL CARRY WATER 60" FROM BUILDING.



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

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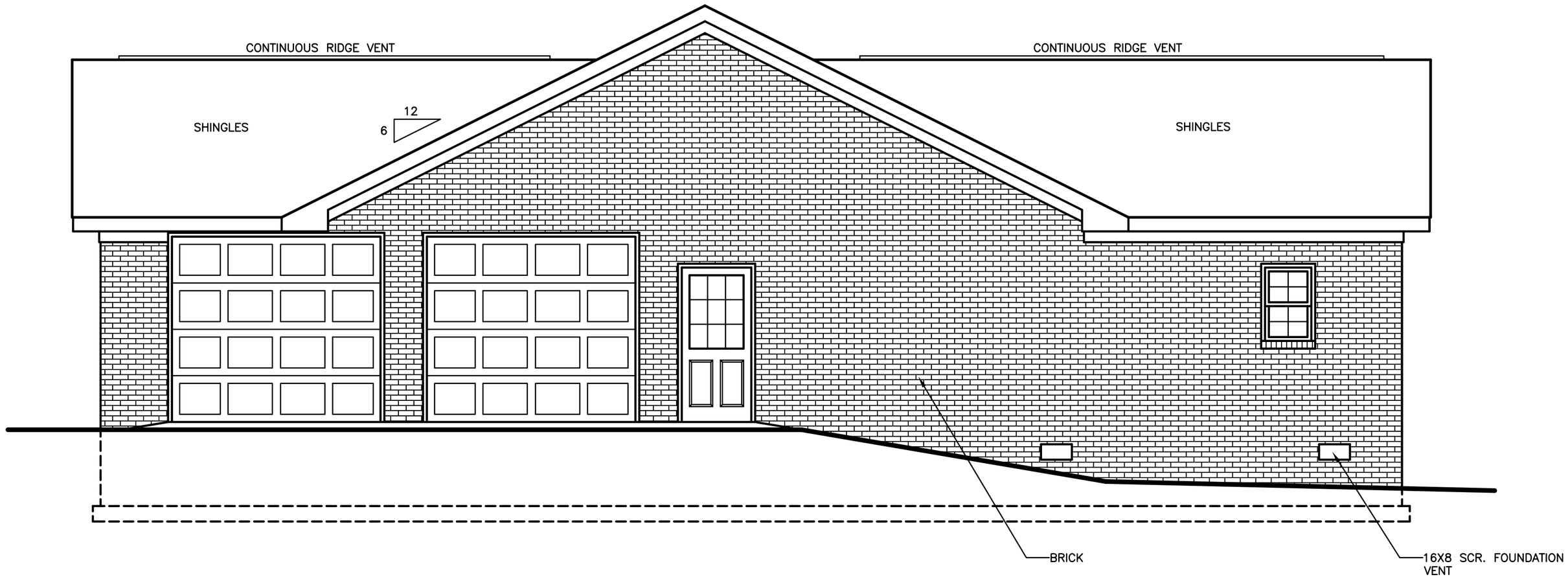
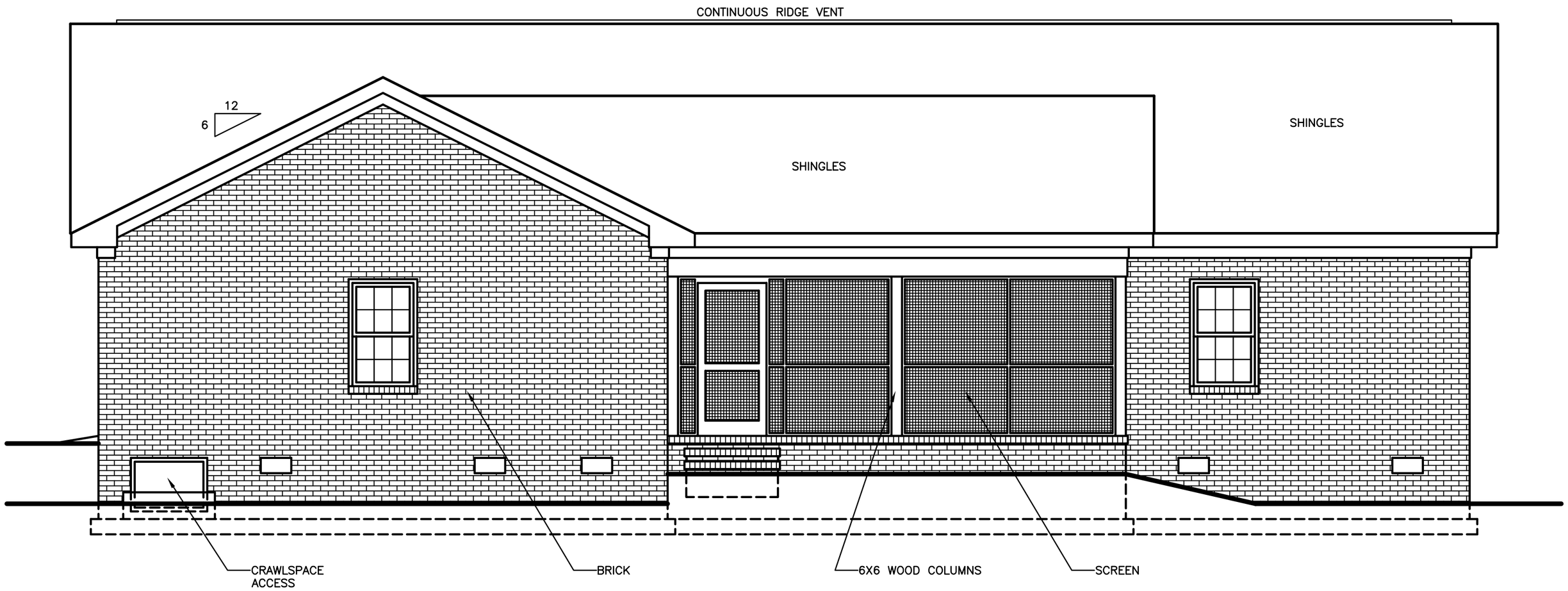


PROVIDE GUTTERS, DOWNSPOUTS AND SPLASHPADS ACCORDING TO LOCAL CODE AND RAINFALL CONDITIONS.

ALL SPLASHPADS SHALL CARRY WATER 60" FROM BUILDING.

RIGHT SIDE ELEVATION

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



REAR ELEVATION

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

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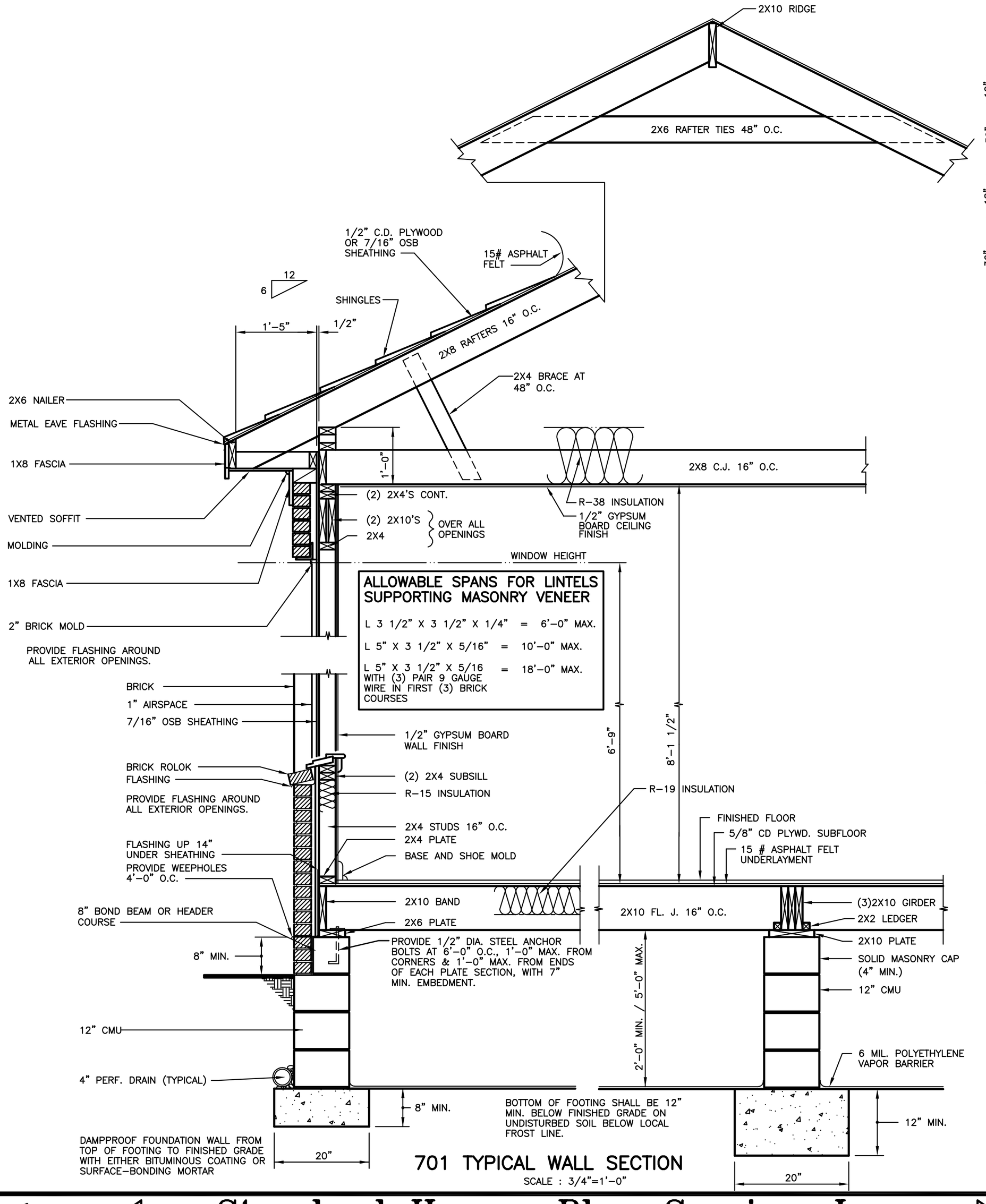
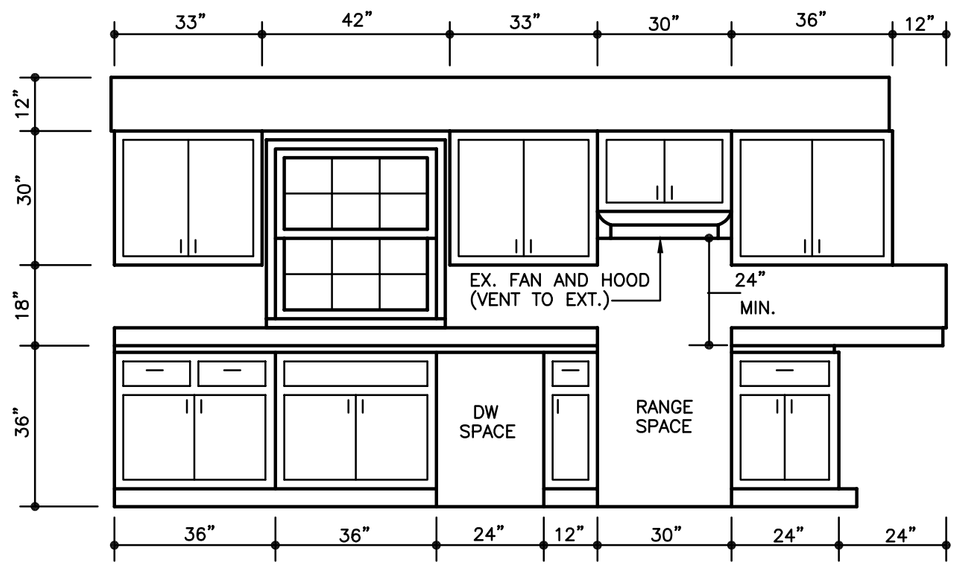


ALLOWABLE SPANS FOR LINTELS SUPPORTING MASONRY VENEER

L 3 1/2" X 3 1/2" X 1/4"	=	6'-0" MAX.
L 5" X 3 1/2" X 5/16"	=	10'-0" MAX.
L 5" X 3 1/2" X 5/16 WITH (3) PAIR 9 GAUGE WIRE IN FIRST (3) BRICK COURSES	=	18'-0" MAX.

701 TYPICAL WALL SECTION

SCALE : 3/4"=1'-0"

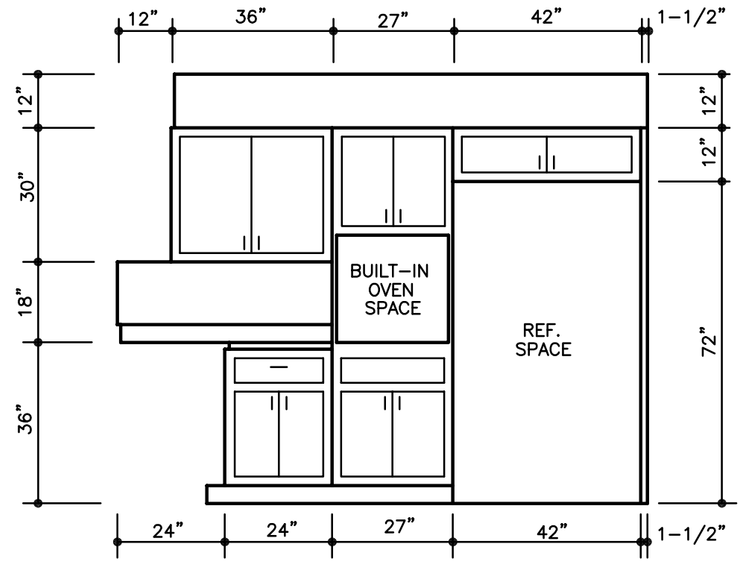


KITCHEN CABINET ELEVATIONS

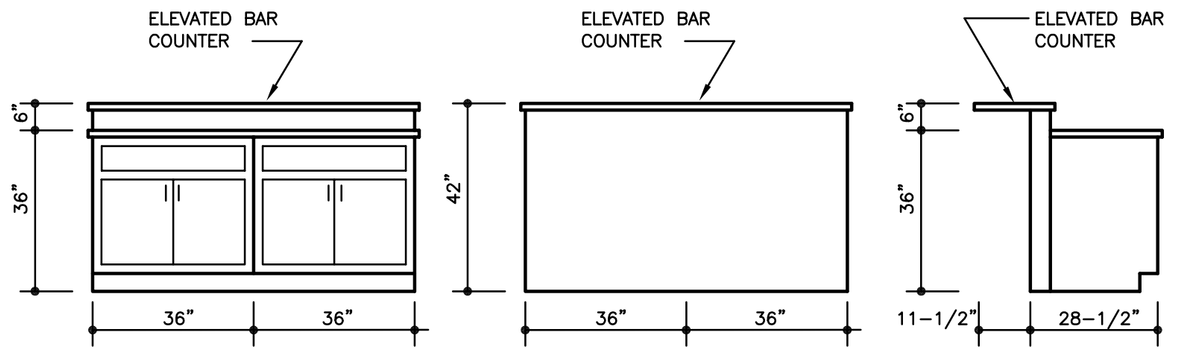
SCALE : 3/8"=1'-0"

FOR SECTION THRU CABINETS, SEE DETAIL ON COVER SHEET.

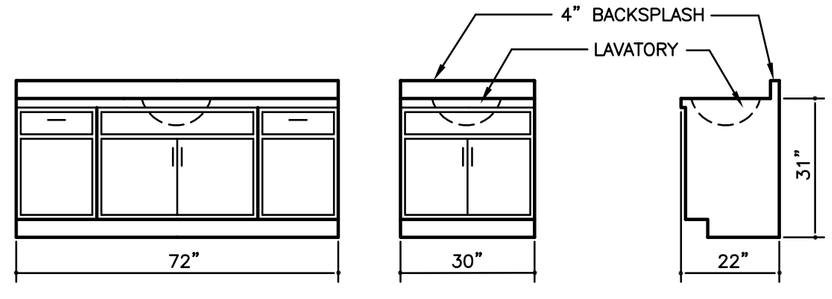
RANGE/SINK SIDE



OVEN/REFRIG. SIDE



ISLAND – KITCHEN SIDE | ISLAND – DINING SIDE | ISLAND – END SIDE



BATH 1 | BATH 2 | SECT.

VANITY DETAILS

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

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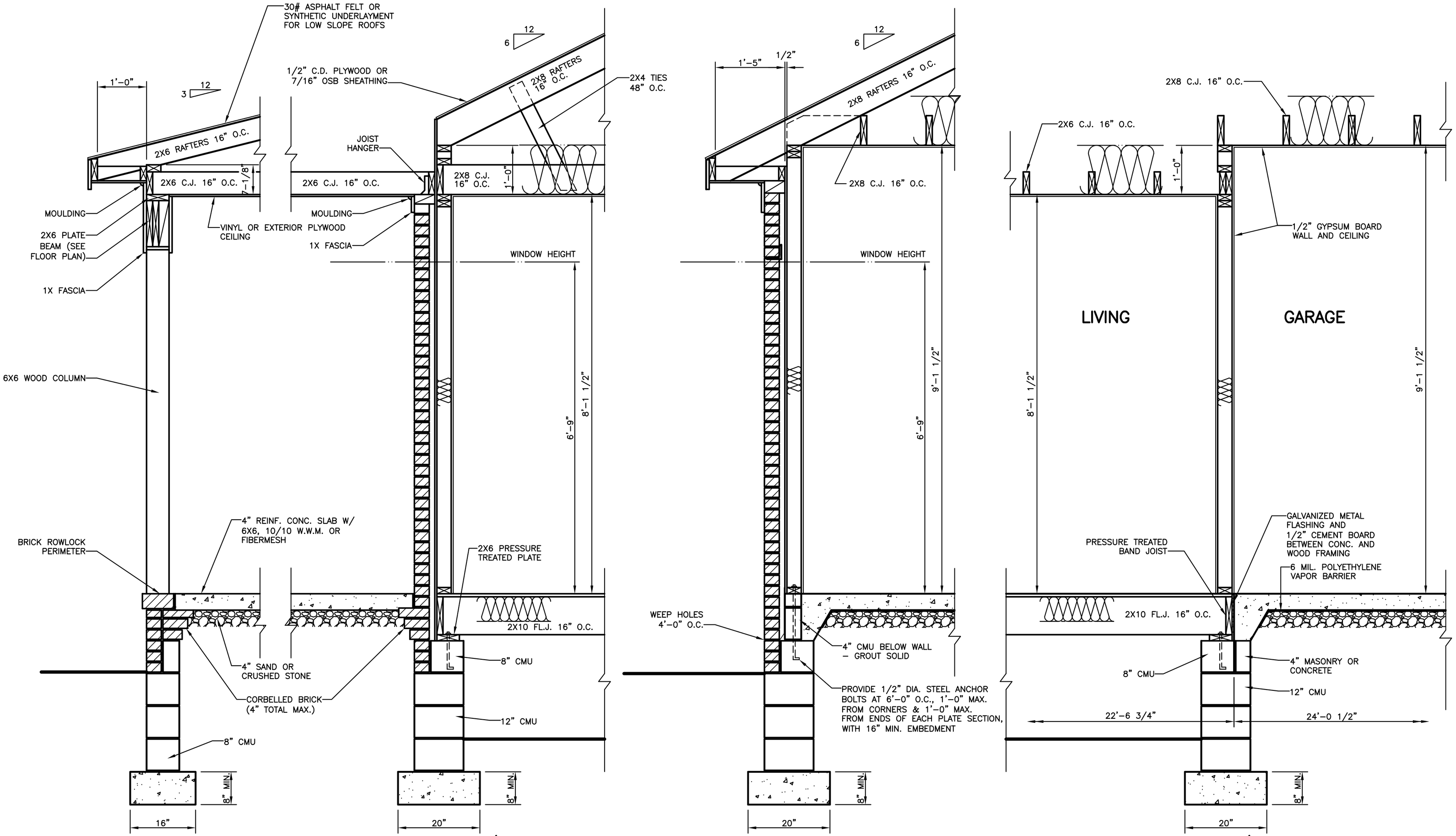

801 PORCH SECTION
SCALE : 3/4" = 1'-0"

802 PORCH/RESIDENCE SECTION
SCALE : 3/4" = 1'-0"

803 GARAGE SECTION
SCALE : 3/4" = 1'-0"

804 GARAGE/LIVING SECTION
SCALE : 3/4" = 1'-0"

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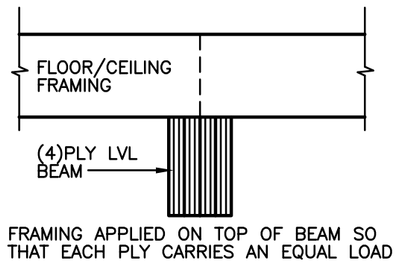
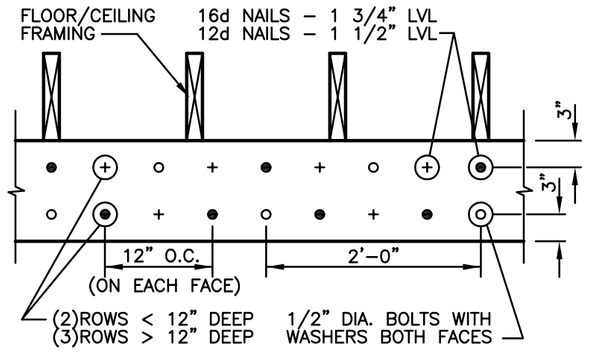
CONNECTION OF MULTIPLE PLY BEAMS

(INSTALLATION & CONNECTION OF BEAMS SHALL BE ACCORDING TO MANUFACTURERS SPECIFICATIONS)

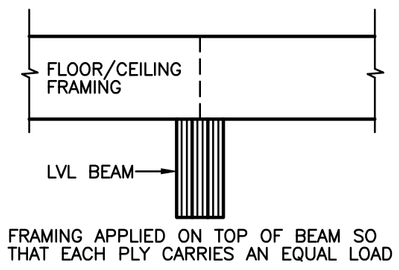


SECTION

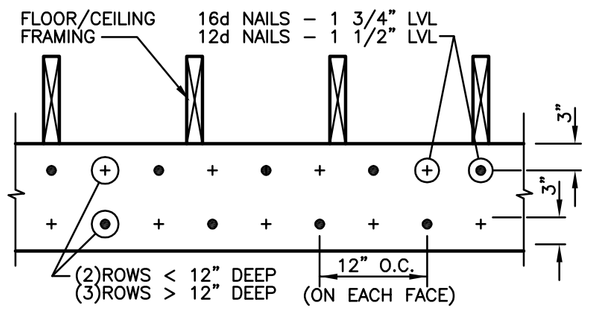


ELEVATION

D001
TOP LOADED (4 PILES)



SECTION

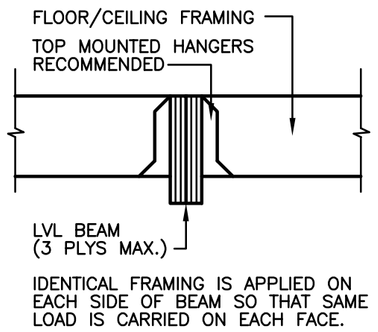


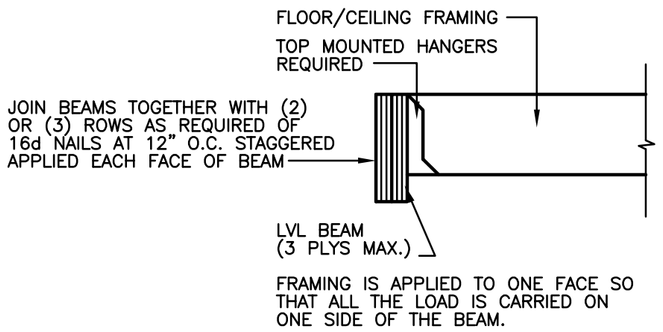
ELEVATION

D002
TOP LOADED (3 PILES MAXIMUM)

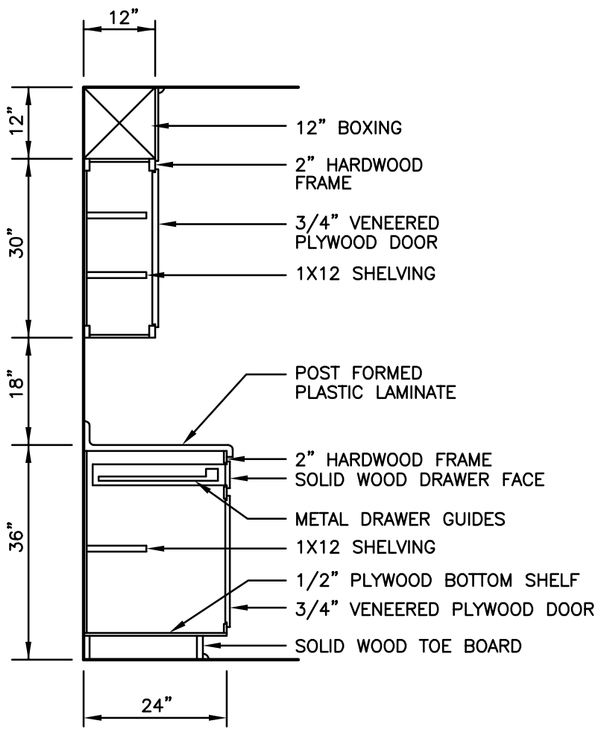
MINUMUM UNIFORMLY DISTRIBUTED LIVE LOADS (PSF)	
USE	LIVE LOAD
UNINHABITABLE ATTICS WITHOUT STORAGE	10
UNINHABITABLE ATTICS WITH LIMITED STORAGE	20
HABITABLE ATTICS AND ATTICS SERVED WITH FIXED STAIRS	30
BALCONIES AND DECKS	40
ROOMS OTHER THAN SLEEPING ROOMS	40
SLEEPING ROOMS	30
STAIRS	40
FIRE ESCAPES	40
GUARDS AND HANDRAILS	200
GUARD IN–FILL COMPONENTS	50
PASSENGER VEHICLE GARAGES	50

ALLOWABLE DEFLECTION OF STRUCTURAL MEMBERS (NOTE : L = SPAN LENGTH ; H = SPAN HEIGHT)	
STRUCTURAL MEMBER	ALLOWABLE DEFLECTION
RAFTERS HAVING SLOPES GREATER THAN 3:12 WITH FINISHED CEILING NOT ATTACHED TO RAFTERS	L/180
FLOORS	L/360
CEILING WITH BRITTLE FINISHES (INCLUDING PLASTER AND STUCCO)	L/360
CEILING WITH FLEXIBLE FINISHES (INCLUDING GYPUSM BOARD)	L/240
ALL OTHER STRUCTURAL MEMBERS	L/240
LINTELS SUPPORTING MASONRY VENEER WALLS	L/600
INTERIOR WALLS AND PARTITIONS	H/180
EXTERIOR WALLS – WIND LOADS WITH PLASTER OR STUCCO FINISH	H/360
EXTERIOR WALLS – WIND LOADS WITH OTHER BRITTLE FINISHES	H/240
EXTERIOR WALLS – WIND LOADS WITH FLEXIBLE FINISHES	H/120

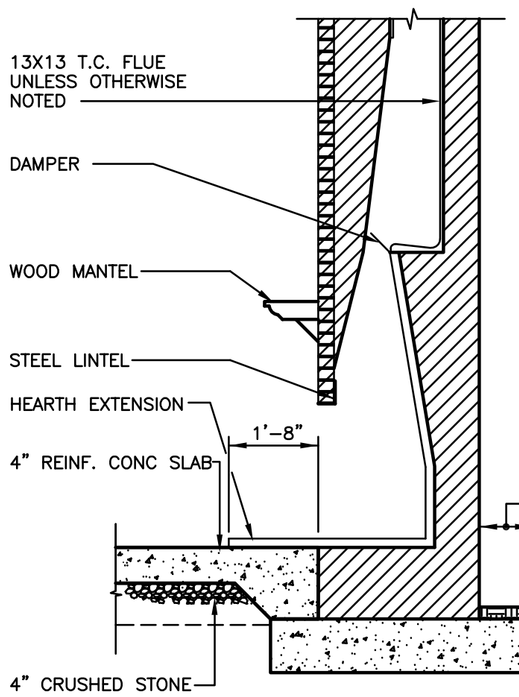




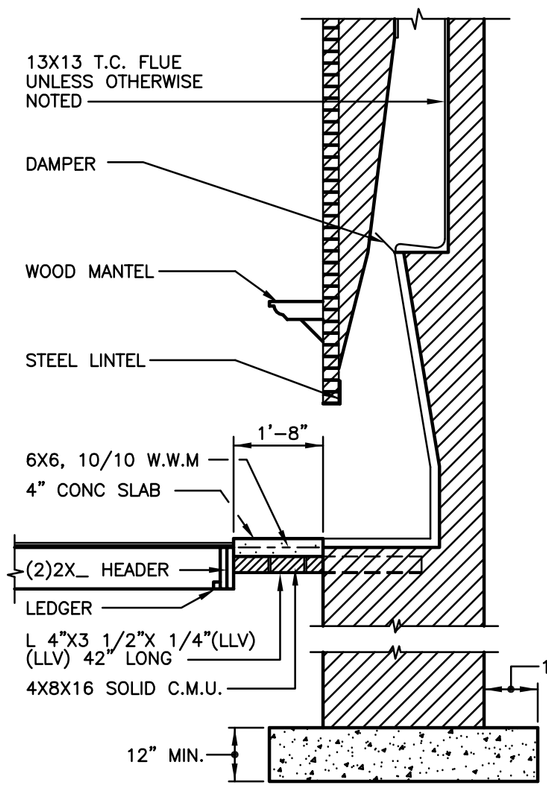
D003
SIDE LOADED



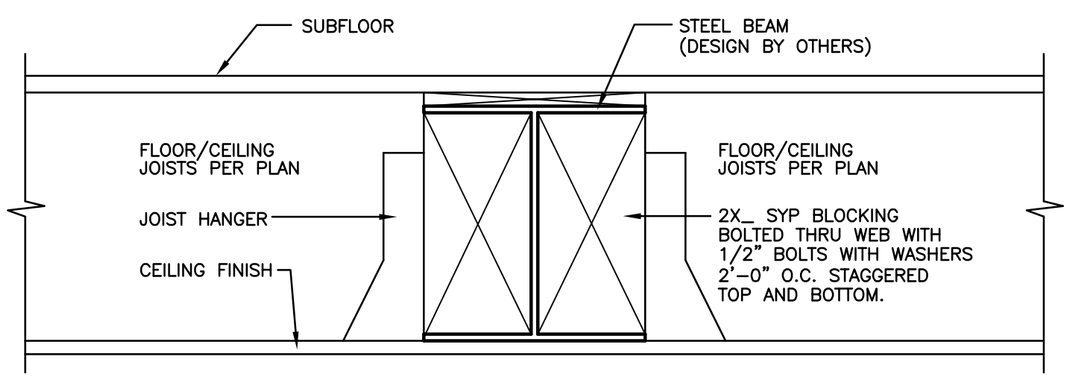
SECTION THRU
KITCHEN CABINETS



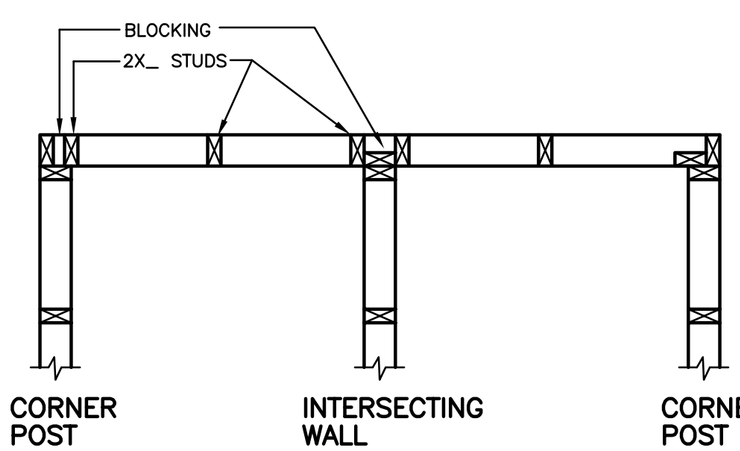
D005
SECT. THRU FIREPLACE ON CONCRETE SLAB



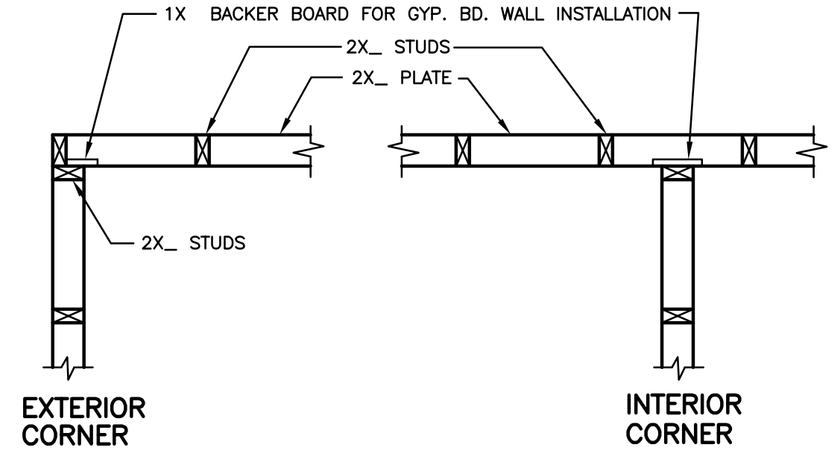
D006
SECT. THRU FIREPLACE ON WOOD FLOOR



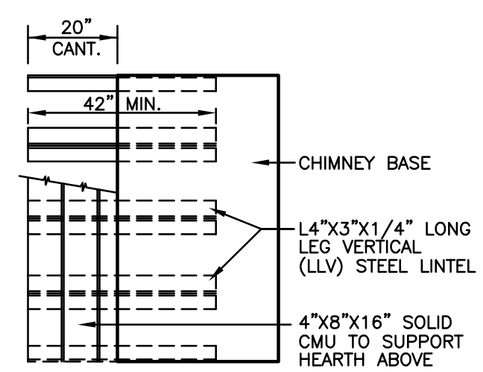
D004
SECTION THRU STEEL BEAM



D007
DETAIL BASIC WALL FRAMING



D008
DETAIL ADVANCED WALL FRAMING



PLAN VIEW
OF SUSPENDED HEARTH

DESIGNED

Standard Homes Plan Service, Inc.

7200 SUNSET LAKE ROAD FUQUAY–VARINA, NC 27526 (919)552–5677

SEE HOME DESIGN PREVIEWS ONLINE AT WWW.STANDARDHOMES.COM

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STANDARD CONSTRUCTION DETAILS

D

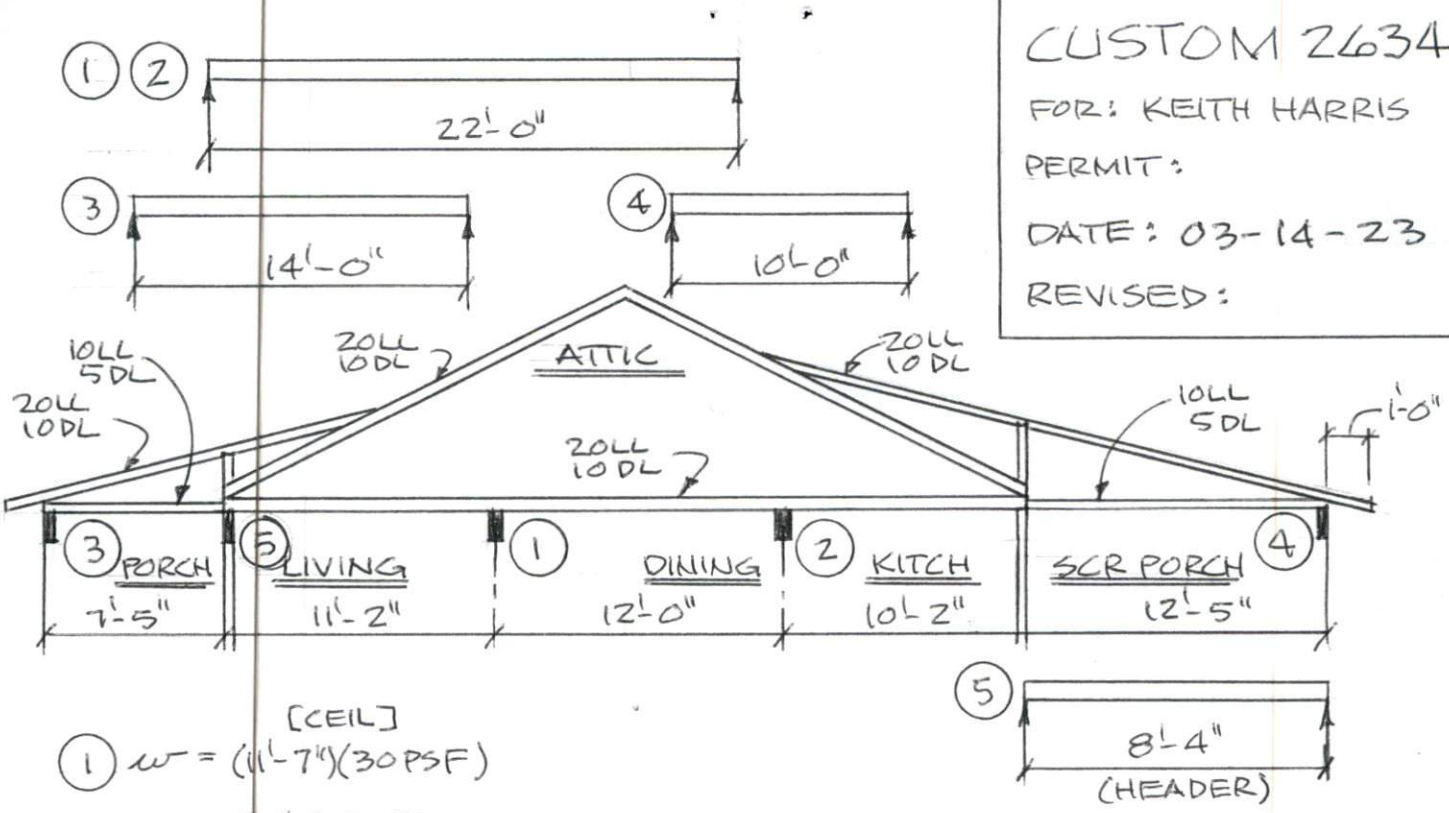
CUSTOM 2634

FOR: KEITH HARRIS

PERMIT:

DATE: 03-14-23

REVISED:



[CEIL]

(1) $w = (11'-7")(30\,PSF)$

$w = 348$ PLF

Choose (2) 1 3/4" x 16" LVL (see attached)

[CEIL]

(2) $w = (11'-1")(30\,PSF)$

$w = 333$ PLF

Choose (2) 1 3/4" x 16" LVL (see attached)

[ROOF] [CEIL]

(3) $w = (4'-9")(30PSF) + (3'-9")(15PSF)$

$w = 199$ PLF

Choose (2) 1 3/4" x 9 1/4" LVL

[ROOF] [CEIL]

(4) $w = (8'-3")(30\,PSF) + (6'-3")(15\,PSF)$

$w = 341$ PLF

Choose (2) 2x12 #2SPF per 2018 NCRC Appendix W

[ROOF] [PORCH CEIL]

(5) $w = (20'-5")(30\,PSF) + (3'-9")(15\,PSF) + (5'-7")(30\,PSF)$

$w = 837$ PLF

Choose (2) 1 3/4" x 9 1/4" LVL (see attached)

GANGLAM LVL BY LOUISIANA PACIFIC 2950 F_b-2.0E

GANG-LAM LVL 2950 Fb 2.0E MAXIMUM UNIFORM LOAD (PLF)

ALLOWABLE FLOOR LOADS (PLF) 100%

Beam Span (Ft)	1 Ply 1¾ x 7¼			1 Ply 1¾ x 9¼			1 Ply 1¾ x 9½			1 Ply 1¾ x 11¼			1 Ply 1¾ x 11⅞			1 Ply 1¾ x 14			1 Ply 1¾ x 16 * Refer To Note 4			1 Ply 1¾ x 18 * Refer To Note 4		
	Live Load Deflection		Total Load	Live Load Deflection		Total Load	Live Load Deflection		Total Load	Live Load Deflection		Total Load	Live Load Deflection		Total Load	Live Load Deflection		Total Load	Live Load Deflection		Total Load	Live Load Deflection		Total Load
	L/360	L/480	L/240	L/360	L/480	L/240	L/360	L/480	L/240	L/360	L/480	L/240	L/360	L/480	L/240	L/360	L/480	L/240	L/360	L/480	L/240	L/360	L/480	L/240
6	681	522	777	1046	1016	1046	1082	1082	1082	1348	1348	1348	1450	1450	1450	1827	1827	1827	2233	2233	2233	2698	2698	2698
7	443	337	639	864	669	864	893	720	893	1102	1102	1102	1181	1181	1181	1470	1470	1470	1772	1772	1772	2110	2110	2110
8	303	229	441	603	461	736	649	497	760	932	794	932	996	918	996	1229	1229	1229	1469	1469	1469	1732	1732	1732
9	215	163	315	434	330	607	467	356	637	748	574	807	861	667	861	1056	1041	1056	1254	1254	1254	1468	1468	1468
10	158	120	231	321	244	467	347	263	504	559	427	704	649	497	758	925	784	925	1094	1094	1094	1274	1274	1274
11	120	90	174	244	185	355	263	199	384	428	325	584	498	380	644	785	603	823	969	870	969	1125	1125	1125
12	93	70	134	189	143	276	205	155	298	334	253	484	389	296	543	618	473	732	870	686	870	1007	945	1007
13	73	55	105	150	113	218	162	122	235	265	201	385	310	235	449	495	377	625	717	550	790	911	761	911
14	59	44	84	121	91	175	130	96	189	214	162	310	250	189	363	401	305	541	584	446	689	807	621	832
15	48	36	68	98	74	142	106	80	154	175	132	253	205	155	297	329	250	472	481	367	601	668	512	744
16	40	-	55	81	61	117	88	66	126	145	109	209	170	128	245	274	207	396	401	305	529	559	427	656
17	33	-	46	68	51	97	74	55	105	121	91	174	142	107	205	230	174	332	337	256	469	472	359	582
18	-	-	38	58	43	81	62	47	88	102	77	147	120	91	172	194	147	281	286	217	413	401	305	520
19	-	-	32	49	37	68	53	40	74	87	66	124	102	77	146	166	125	239	245	185	353	344	261	467
20	-	-	-	42	32	58	46	34	63	75	57	106	88	66	125	143	108	205	211	160	304	297	225	421
21	-	-	-	37	-	50	39	-	54	65	49	91	76	57	108	124	93	177	183	138	263	258	195	371
22	-	-	-	32	-	43	34	-	47	57	43	79	66	50	93	108	81	154	160	121	229	225	170	324
23	-	-	-	-	-	37	-	-	40	50	37	68	58	44	81	95	71	134	140	106	200	198	150	284
24	-	-	-	-	-	32	-	-	35	44	33	60	51	39	71	84	63	117	124	93	176	175	132	250
25	-	-	-	-	-	-	-	-	-	39	-	52	46	34	62	74	56	103	110	83	155	155	117	221
26	-	-	-	-	-	-	-	-	-	35	-	46	41	31	55	66	50	91	98	74	138	138	104	196
27	-	-	-	-	-	-	-	-	-	31	-	41	36	-	48	59	45	81	88	66	122	124	93	175
28	-	-	-	-	-	-	-	-	-	-	-	36	33	-	43	53	40	72	79	59	109	111	84	156
29	-	-	-	-	-	-	-	-	-	-	-	32	-	-	38	48	36	64	71	53	98	100	76	140
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	43	33	57	64	48	88	91	68	126

How to use maximum uniform load tables:

1. Select the correct table for the beam application you need.
2. Choose the required beam span in the left column.
3. Select a beam depth from the tables that satisfies **BOTH** the live and total load PLF on the beam.
4. Check the bearing requirements as shown on page 8.

Example: Floor live load 480 PLF, L/360 deflection limit.
Floor total load 660 PLF, L/240 deflection limit.
Beam span 14' - 0"

Solution: Try 2 plies 1¾" x 11⅞", which can carry:
- Live load 2 x 250 = 500 > 480 PLF ✓OK
- Total load 2 x 363 = 726 > 660 PLF ✓OK

Notes (for page 6 and 7)

1. Beam spans are defined as follows: Simple span dimensions are measured from inside face of supports. Multiple span dimensions are measured from inside face of exterior supports to center line of interior supports.
2. These tables are for simple spans (with a support at each end) or for continuous (multiple span) beams if spans are equal.
3. PLF values are for a single ply of 1¾" Gang-Lam LVL.
   - Double the values for two plies or 3½" thickness.
   - Triple the values for three plies or 5¼" thickness.

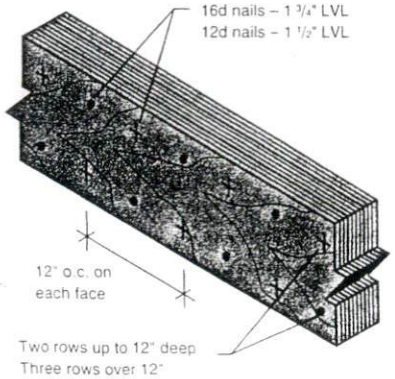
* 4. For 1¾" x 16" beams and deeper, two plies (minimum) are required.

5. More than three plies may require special design. Contact your L-P engineered products distributor.

CONNECTION OF MULTIPLE PLY BEAMS

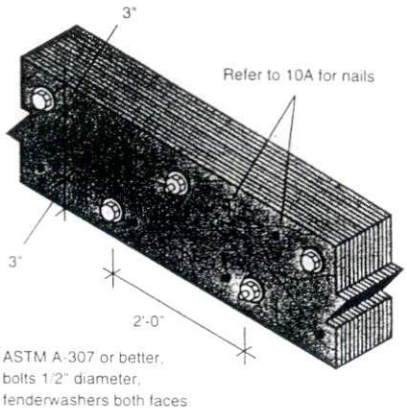
10A TOP LOADED (3 PLIES MAXIMUM)

Framing is applied on top of the beam so that each ply carries an equal load.



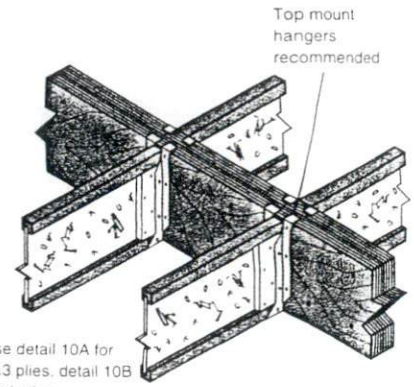
10B TOP LOADED 4 PLIES

Framing is applied on top of the beam so that each ply carries an equal load.



10C SIDE LOADED

The same framing is used on each side of the beam so the same load is carried on each face.



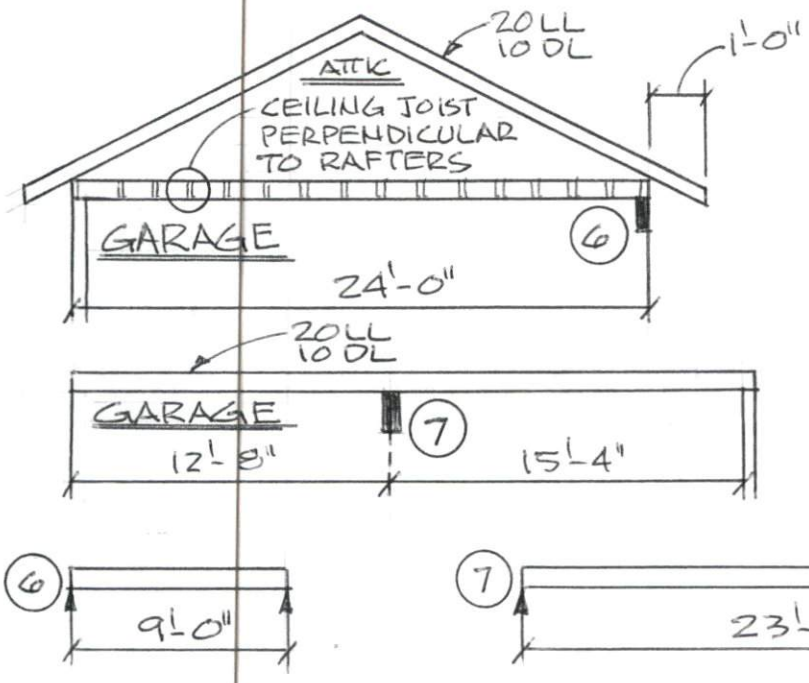
CUSTOM 2634

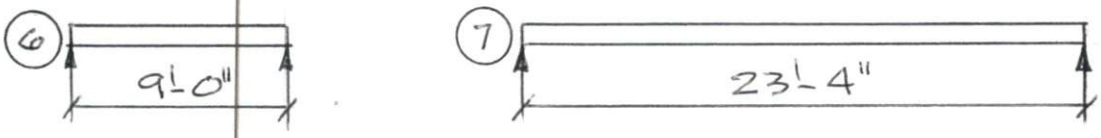
FOR: KEITH HARRIS

PERMIT:

DATE: 03-14-23

REVISED:





[ROOF]

(6) $w = (13'-0")(30\ PSF)$

$w = 390\ PLF$

Choose (2) 1 3/4" X 11 1/4" LVL (see attached)

[CEILING]

(7) $w = (14'-0")(30\ PSF)$

$w = 420\ PLF$

Choose (3) 1 3/4" X 18" LVL (see attached)

GANG LAM LVL BY LOUISIANA PACIFIC 2950 F_b-2.0E

GANG-LAM LVL 2950 Fb 2.0E MAXIMUM UNIFORM LOAD (PLF)

ALLOWABLE FLOOR LOADS (PLF) 100%

Beam Span (Ft)	1 Ply 1¾ x 7¼			1 Ply 1¾ x 9¼			1 Ply 1¾ x 9½			1 Ply 1¾ x 11¼			1 Ply 1¾ x 11⅞			1 Ply 1¾ x 14			1 Ply 1¾ x 16 * Refer To Note 4			1 Ply 1¾ x 18 * Refer To Note 4		
	Live Load Deflection		Total Load	Live Load Deflection		Total Load	Live Load Deflection		Total Load	Live Load Deflection		Total Load	Live Load Deflection		Total Load	Live Load Deflection		Total Load	Live Load Deflection		Total Load	Live Load Deflection		Total Load
	L/360	L/480	L/240	L/360	L/480	L/240	L/360	L/480	L/240	L/360	L/480	L/240	L/360	L/480	L/240	L/360	L/480	L/240	L/360	L/480	L/240	L/360	L/480	L/240
6	681	522	777	1046	1016	1046	1082	1082	1082	1348	1348	1348	1450	1450	1450	1827	1827	1827	2233	2233	2233	2698	2698	2698
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28	-	-	-	-	-	-	-	-	-	-	-	36	33	-	43	53	40	72	79	59	109	111	84	156
29	-	-	-	-	-	-	-	-	-	-	-	32	-	-	38	48	36	64	71	53	98	100	76	140
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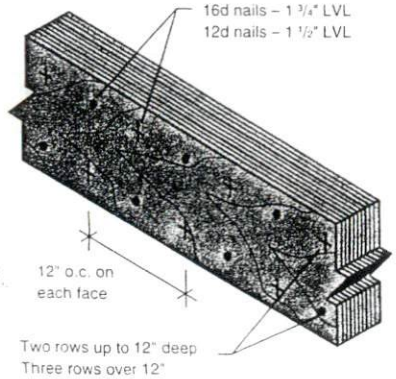

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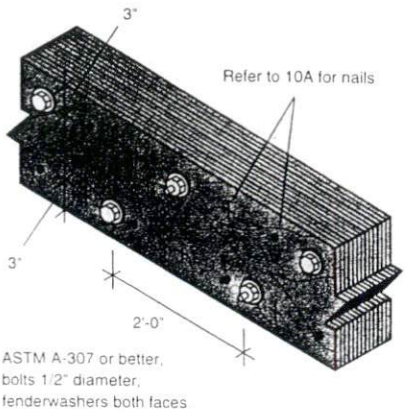
Framing is applied on top of the beam so that each ply carries an equal load.



10C SIDE LOADED

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