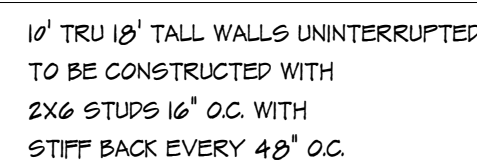


S.D.
[M] = SMOKE DETECTOR

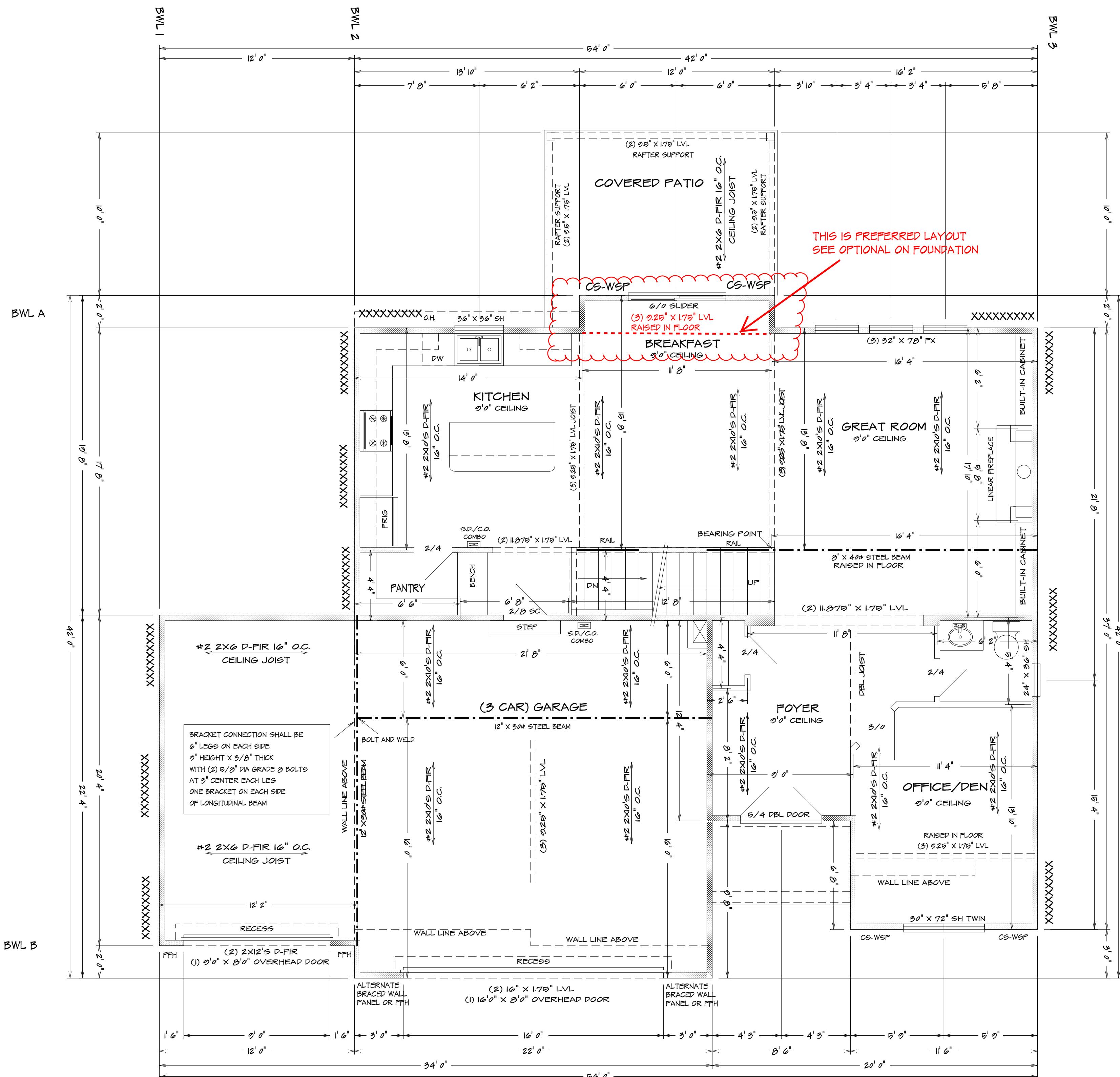


(2) 14 L.V.L.

USE HEADERS FOR OPENINGS ABOVE UNLESS SPECIFIED OTHERWISE

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.

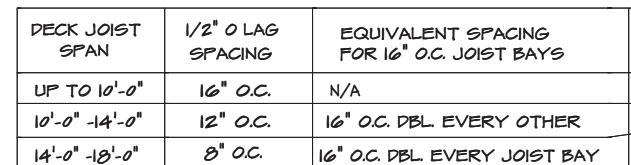
Exhaust air from the space shall be exhausted directly to the outdoors.

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


HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
BUILDER:	PHONE:	DATE REVISED:	KH-6106	3
SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME: 6106 FLRI	APPROX. SQFT:

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BEFORE FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, RAIL 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 RESSEMBLANCES TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO A STRUCTURE.





TYPICAL CANTILEVER FRAMING W/ DECK ATTACHMENT



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

SUSPENDED PORCH STOOP DETAIL
OPTIONAL



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

Vertical reinforcement spacing 60 psf soil

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

- 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 24 inch on center may be placed in the middle of the wall. Other walls shall have vertical reinforcement place 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 8 inches of the top of the wall.
- 3) Reinforcement clearances:
 - a) Concrete exposed to earth – minimum 1-1/2 inches.
 - b) Not exposed to weather (interior side of walls) – minimum 3/4 inch.
 - c) Concrete exposed to weather (top clearance in garage and driveway slabs)- 1-1/2 inches.
- 4) Horizontal reinforcement:
 - 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 as close to the tension face as possible (interior) and behind the vertical reinforcement (i.e.2" towards the inside)
 - d) 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
- 5) 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.
- 7) 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).

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENERS AND Δ	SPACING OF FASTENERS
Roof			
1	Blocking between joists or rafters to top plate, toe nail	3-8d ($2\frac{1}{2}'' \times 0.113''$)	—
2	Ceiling joists to plate, toe nail	3-8d ($2\frac{1}{2}'' \times 0.113''$)	—
3	Ceiling joists not attached to parallel rafter; laps over partitions, face nail	3-10d	—
4	Collar tie to rafter, face nail or $1\frac{1}{2}'' \times 20$ gage ridge strap	3-10d ($3'' \times 0.128''$)	—
5	Rafter or roof truss to plate, toe nail	3-16d box nails ($3\frac{1}{2}'' \times 0.135''$) or 3-10d common nails ($3'' \times 0.104''$)	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 ($3\frac{1}{2}'' \times 0.135''$) 3-16d ($3\frac{1}{2}'' \times 0.135''$)	—
Wall			
7	Built-up studs-face nail	10d ($3'' \times 0.128''$)	24" o.c.
8	Abutting studs at intersecting wall corners, face nail	16d ($3\frac{1}{2}'' \times 0.135''$)	12" o.c.
9	Built-up header, two pieces with $1\frac{1}{2}''$ spacer	16d ($3\frac{1}{2}'' \times 0.135''$)	16" o.c. along each edge
10	Continued header, two pieces	16d ($3\frac{1}{2}'' \times 0.135''$)	16" o.c. along each edge
11	Continuous header to stud, toe nail	4-8d ($2\frac{1}{2}'' \times 0.113''$)	—
12	Double studs, face nail	10d ($3'' \times 0.128''$)	24" o.c.
13	Double top plates, face nail	10d ($3'' \times 0.128''$)	24" o.c.
14	Double top plates, minimum 24-inch offset of end joints, face nail in lapped area	8-16d ($3\frac{1}{2}'' \times 0.135''$)	—
15	Sole plate to joist or blocking, face nail	16d ($3\frac{1}{2}'' \times 0.135''$)	16" o.c.
16	Sole plate to joist or blocking at braced wall panels	3-16d ($3\frac{1}{2}'' \times 0.135''$)	16" o.c.
17	Stud to sole plate, toe nail	3-8d ($2\frac{1}{2}'' \times 0.113''$) or 2-16d ($3\frac{1}{2}'' \times 0.135''$)	—
18	Top or sole plate to stud, end nail	2-16d ($3\frac{1}{2}'' \times 0.135''$)	—
19	Top plates, laps at corners and intersections, face nail	2-10d ($3'' \times 0.128''$)	—
20	1" brace to each stud and plate, face nail	2-8d ($2\frac{1}{2}'' \times 0.113''$)	—
21	1" 6" sheathing to each bearing, face nail	3-8d ($2\frac{1}{2}'' \times 0.113''$) 2 staples $1\frac{3}{4}'' \times 4''$	—
22	1" 6" sheathing to each bearing, face nail	2-8d ($2\frac{1}{2}'' \times 0.113''$) 3 staples $1\frac{3}{4}'' \times 4''$	—
23	Wider than 1" \times 8" sheathing to each bearing, face nail	3-8d ($2\frac{1}{2}'' \times 0.113''$) 4 staples $1\frac{3}{4}'' \times 4''$	—
Floor			
24	Joist to sill or girder, toe nail	3-8d ($2\frac{1}{2}'' \times 0.113''$)	—
25	Rim joist to top plate, toe nail (roof applications also)	8d ($2\frac{1}{2}'' \times 0.113''$)	6" o.c.
26	Rim joist or blocking to sill plate, toe nail	8d ($2\frac{1}{2}'' \times 0.113''$)	6" o.c.
27	1" \times 6" subfloor or less to each joist, face nail	2-8d ($2\frac{1}{2}'' \times 0.113''$) 2 staples $1\frac{3}{4}'' \times 4''$	—
28	2" subfloor to joist or girder, blind and face nail	2-16d ($3\frac{1}{2}'' \times 0.135''$)	—
29	2" planks (lawn & beam - floor & girder)	2-16d ($3\frac{1}{2}'' \times 0.135''$)	at each bearing
30	Built-up girders and beams, 2-inch lumber layers	10d ($3'' \times 0.128''$)	Nail each layer as follows: 32" o.c. at top and bottom and staggered. Two nails at ends and at each splice.
31	Ledge strip supporting joists or rafters	3-16d ($3\frac{1}{2}'' \times 0.135''$)	At each joist or rafter

ITEM	DESCRIPTION OF BUILDING MATERIALS	DESCRIPTION OF FASTENER ^{a, e}	SPACING OF FASTENERS	
			Edges (inches) ^b	Intermediate supports ^{c, e} (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" x 0.113") nail (subfloor wall) 8d common (2 1/2" x 0.131") nail (roof)	6	12 ^d
33	19/32" - 1"	8d common nail (2 1/2" x 0.131")	6	12 ^d
34	1 1/8" - 1 1/4"	10d common (3" x 0.148") nail or 8d (2 1/2" x 0.131") deformed nail	6	12
Other wall sheathing^d				
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	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	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" x 0.120") nail or 8d common (2 1/2" x 0.131") nail	6	12
40	7/8" - 1"	8d common (2 1/2" x 0.131") nail or 6d deformed (2 1/2" x 0.120") nail	6	12
41	1 1/8" - 1 1/4"	10d common (3" x 0.148") nail or 6d deformed (2 1/2" x 0.120") nail	6	12

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


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

DEAD LOAD = 10 PSF

VERT. RIDGE AND RAFTER SUPPORTS TO BE EQUAL TO OR GREATER THAN THE DEPTH OF RAFTERS

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
BUILDER:	PHONE:	DATE REVISED:	RH-6106	6
SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX. SQ.FT.
			6106 SEC2	

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY. BUILDER/CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, ELEVATIONS, FOUNDATION, AND ELEVATIONS ALSO VERIFY ALL BEAM, HEADERS, PAO 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 PLAINS. 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

