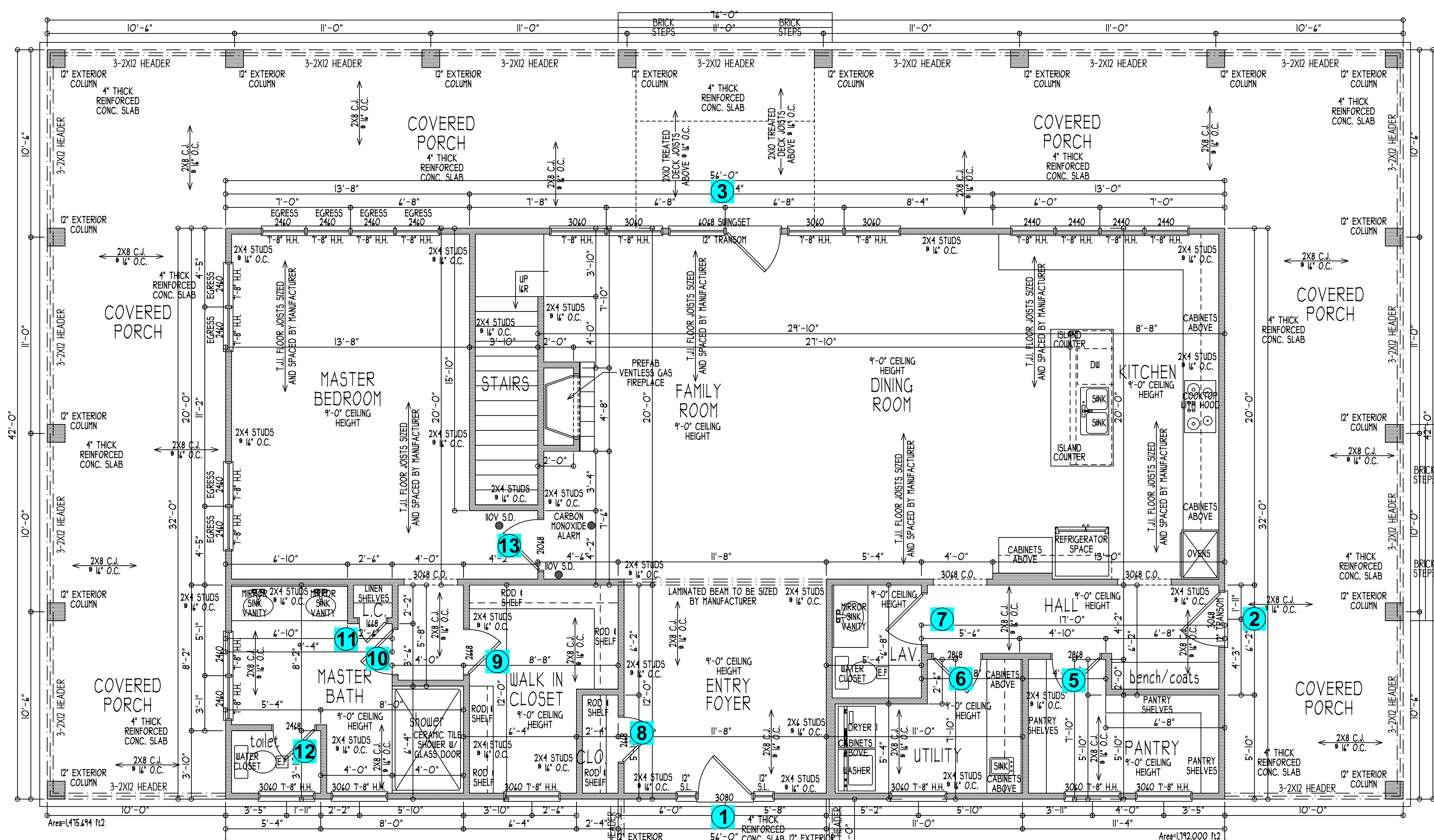
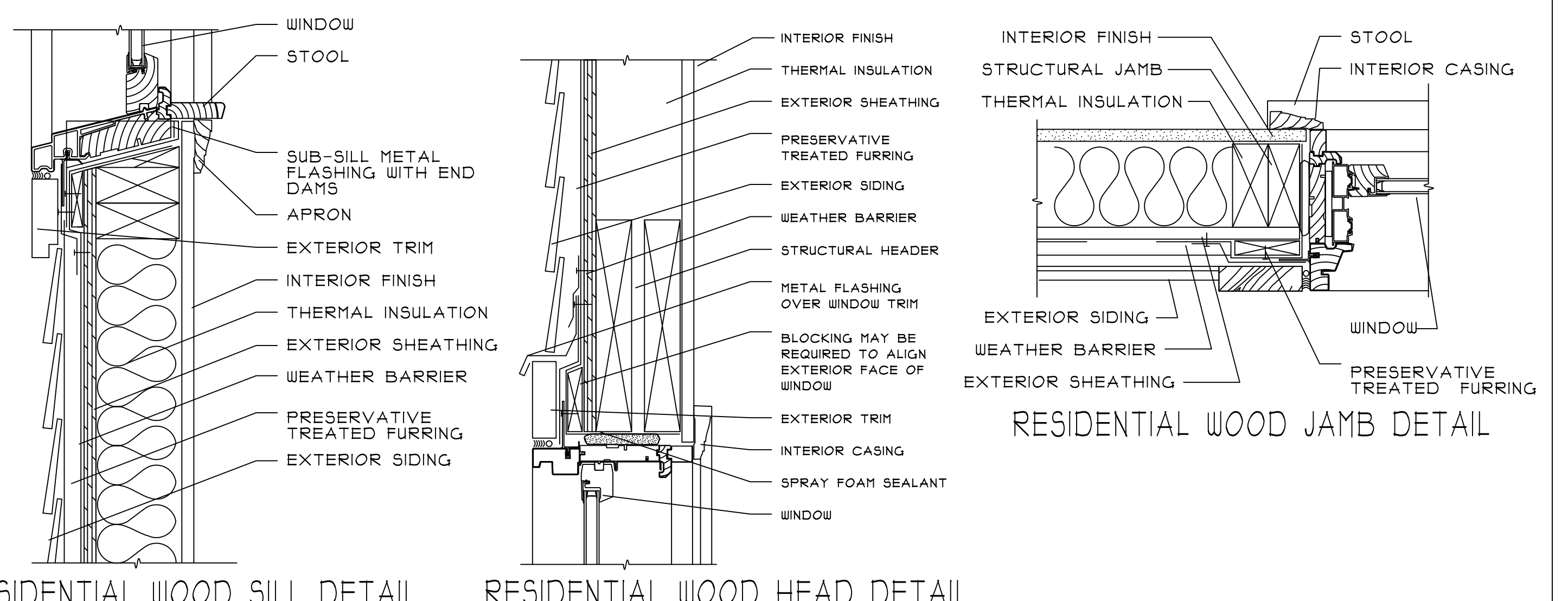
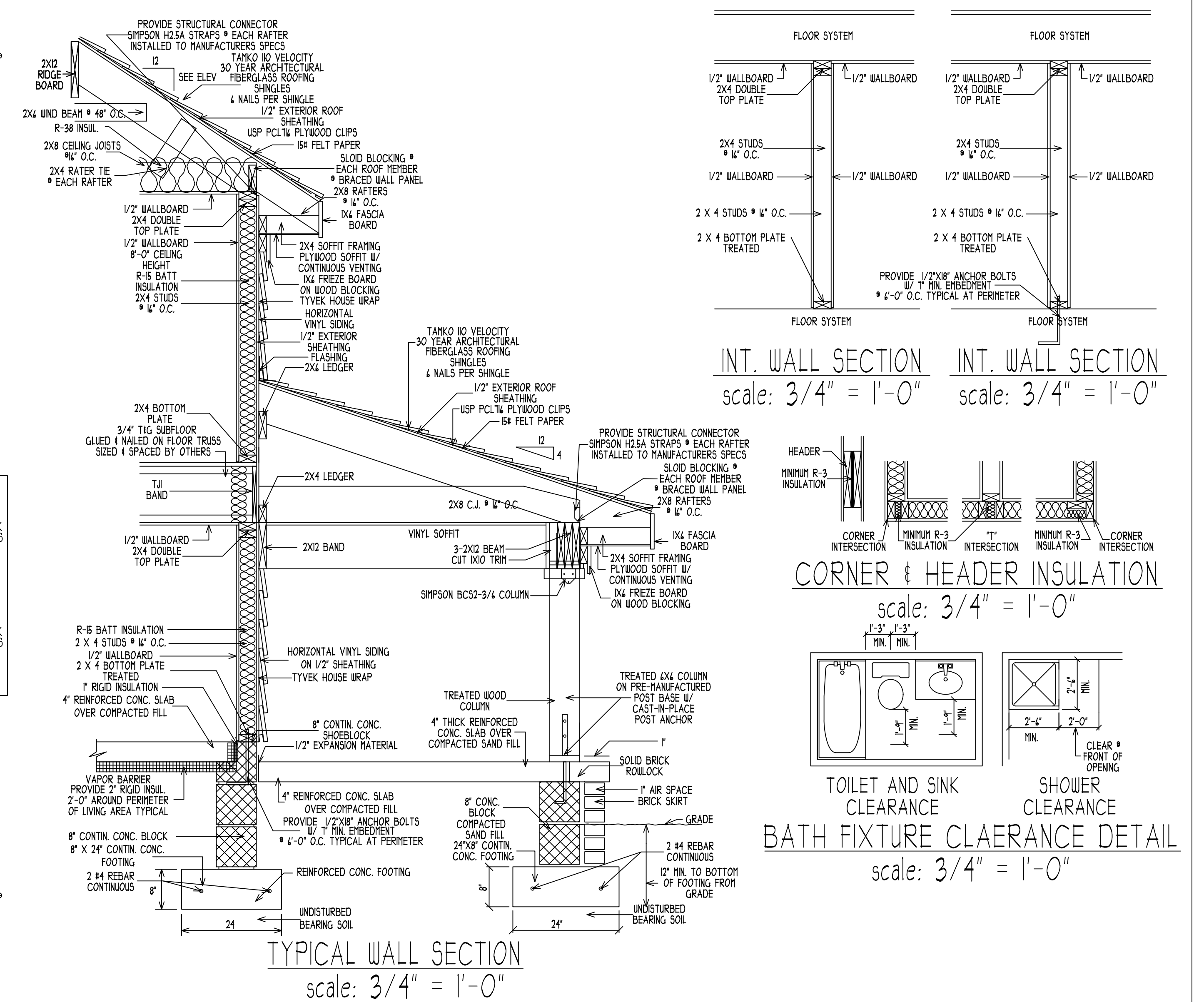


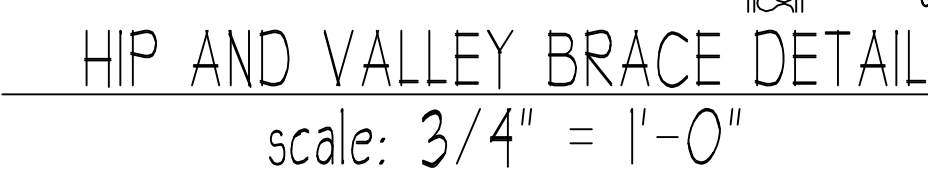
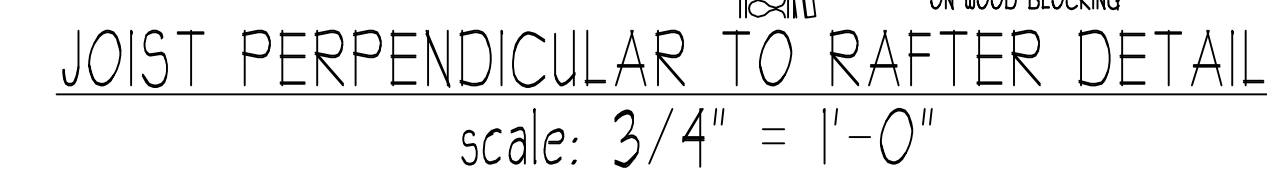
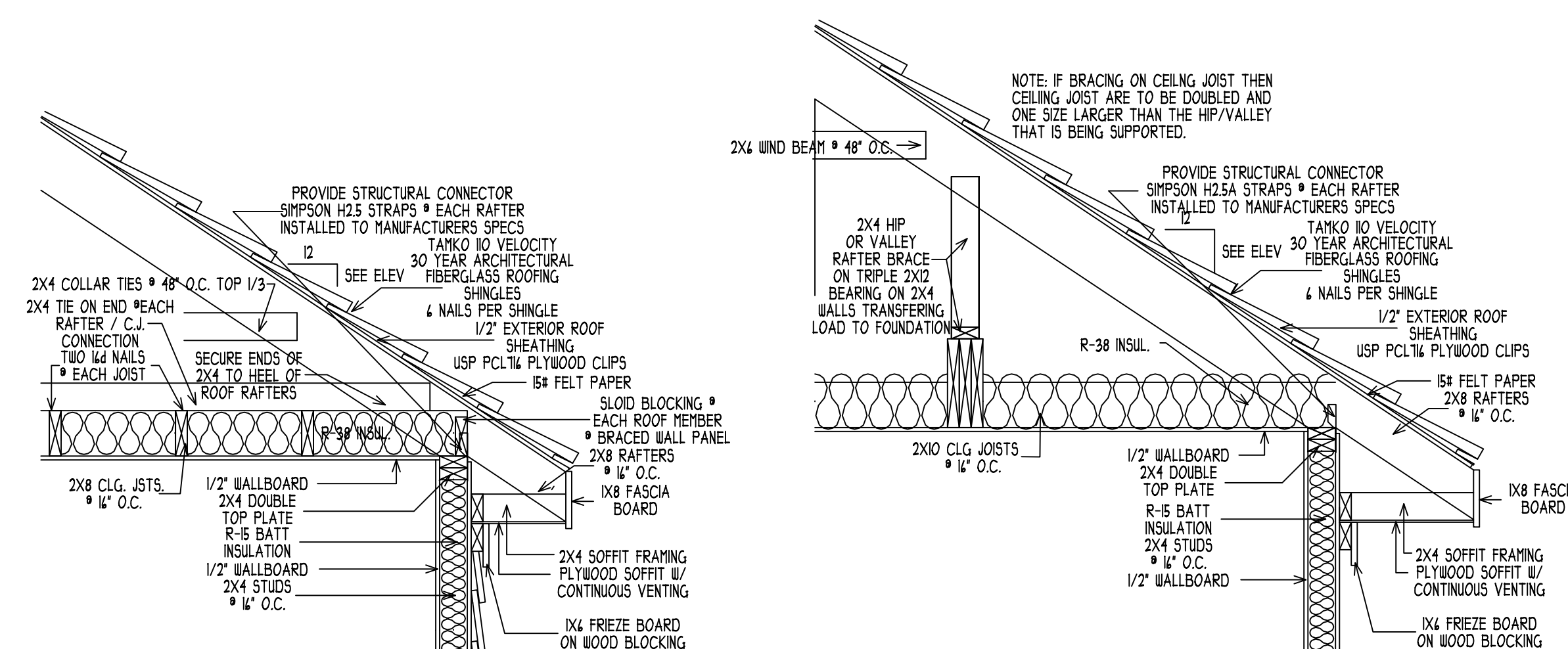
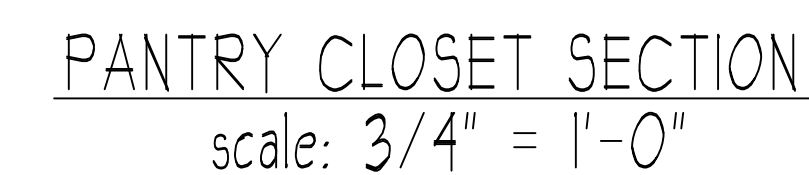
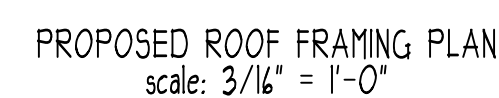
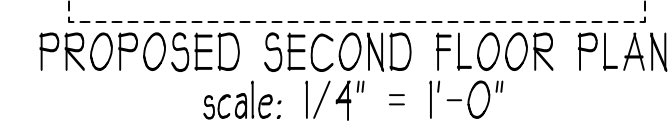


PROPOSED FIRST FLOOR PLAN
scale: 1/4" = 1'-0"

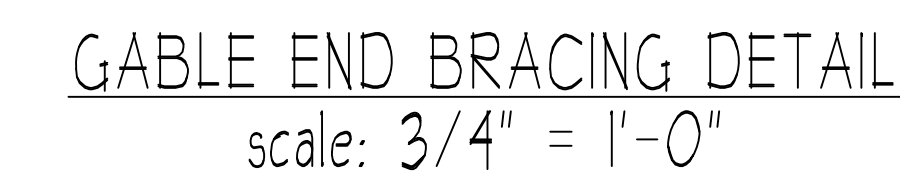
WOOD HEADER & GIRDER SCHEDULE AS PER TABLE R502.5(1) AND R502.5(2)						
WOOD HEADER SIZE	BUILDING WIDTH	EXTERIOR BEARING WALLS				INTERIOR BEARING WALLS
		ROOF & CEILING	ROOF,CLG. & ONE CENTER BEARING FLR.	ROOF,CLG. & ONE CLEAR BEARING FLR.	ROOF,CLG. & TWO CENTER BEARING FLR.	ONE FLR. ONLY
2-2X4	20'	SPAN	SPAN	SPAN	SPAN	SPAN
	28'	3'-6"	3'-1"	2'-8"	2'-1"	3'-1"
	36'	2'-10"	2'-9"	2'-4"	2'-3"	2'-8"
2-2X6	20'	5'-5"	4'-6"	3'-11"	3'-9"	4'-6"
	28'	4'-8"	4'-0"	3'-5"	3'-3"	3'-11"
	36'	4'-2"	3'-1"	3'-0"	2'-11"	3'-6"
2-2X8	20'	6'-10"	5'-9"	4'-9"	4'-9"	5'-9"
	28'	5'-11"	5'-0"	4'-4"	4'-2"	5'-0"
	36'	5'-4"	4'-6"	3'-10"	3'-11"	4'-5"
3-2X8	20'	8'-4"	7'-2"	6'-3"	5'-11"	7'-2"
	28'	7'-5"	6'-8"	5'-8"	5'-7"	6'-5"
	36'	6'-8"	5'-8"	4'-10"	5'-1"	4'-11"
2-2X10	20'	7'-3"	7'-0"	5'-3"	5'-1"	4'-3"
	28'	6'-6"	5'-6"	4'-8"	4'-1"	5'-5"
	36'	10'-4"	8'-9"	7'-1"	7'-3"	8'-9"
3-2X10	20'	9'-1"	7'-8"	6'-1"	6'-4"	7'-1"
	28'	8'-2"	6'-11"	5'-11"	5'-8"	6'-9"
	36'	8'-2"	6'-11"	5'-11"	5'-8"	6'-9"
2-2X12	20'	9'-9"	8'-1"	7'-1"	6'-8"	8'-1"
	28'	8'-5"	7'-1"	6'-1"	5'-10"	7'-0"
	36'	7'-6"	6'-5"	5'-5"	5'-3"	6'-3"
3-2X12	20'	12'-2"	10'-2"	8'-10"	8'-5"	10'-2"
	36'	10'-1"	8'-11"	7'-8"	7'-4"	8'-10"

BUILDING DESIGN LOADS	
ROOF DEAD LOAD	20 P.S.F.
ROOF LIVE LOAD	20 P.S.F.
ATTICS (w/ LIMITED STORAGE) LIVE LOAD	20 P.S.F.
DECK LIVE LOAD	40 P.S.F.
ROOMS (OTHER THAN SLEEPING) LIVE LOAD	40 P.S.F.
SLEEPING ROOMS LIVE LOAD	30 P.S.F.
STAIR LIVE LOAD	40 P.S.F.
GROUND SNOW LOAD	10 P.S.F.
SLAB ON GRADE	100 P.S.F.
WIND LOAD	120 M.P.H.
WIND EXPOSURE	B
SEISMIC DESIGN LOAD	A





ATTIC VENTILATION REQUIREMENTS
 RIDGE VENT = 12 SQ.IN. PER FOOT
 SOFFIT VENT = 9 SQ.IN. PER FOOT
 $\frac{3488}{300} = 11.62$ SQ.FT. OF NET FREE AREA
 11.62 SQ.FT. * 2 X 144" = 69.12 LIN. FT. RIDGE VENT
 11.62 SQ.FT. * 2 X 144" = 9 = 32.9% LIN. FT. SOFFIT VENT



FENTRESS HOME DESIGN RESIDENTIAL PLANS / ADDITIONS virginia beach, virginia OFFICE (757) 438-5053	drawn by: BCF	PROPOSED TWO STORY BRICK & FRAME SINGLE FAMILY DWELLING prepared for: HOST RESIDENCE	sheet A-3 of 6
	date: 4/21/21		Host Residence
	scale: NOTED		file no. 21-4212