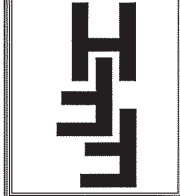


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

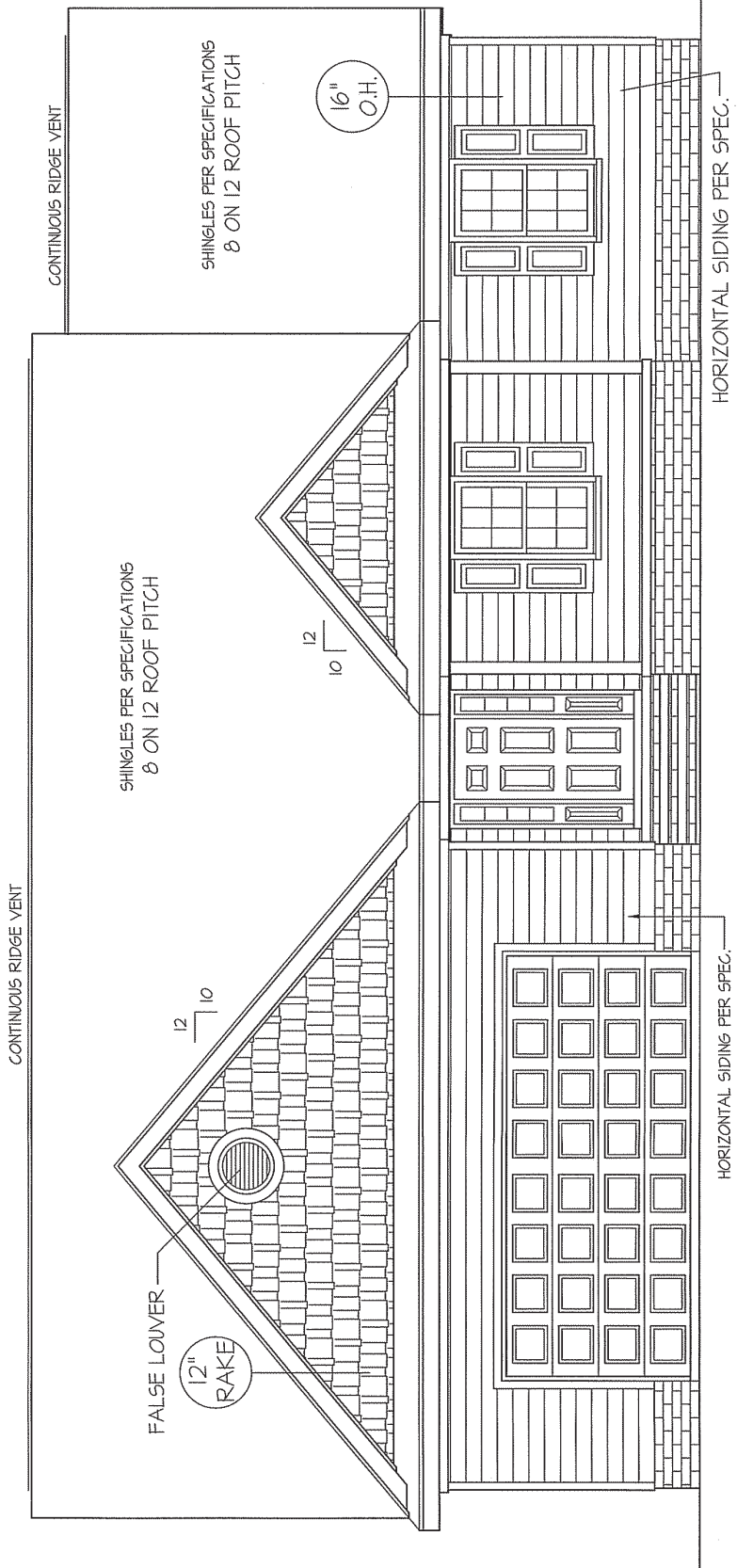
DATE:
OCT. 18, 2019

FREEDOM FAMILY HOMES
P.O. BOX 608
DUNN, N.C. - 28335
O: (910) 892-1231 FAX: (910) 892-5680
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WILSON ~ LEFT
FREEDOM FAMILY HOMES
EXCLUSIVE PLAN FOR
PLAN:

SHEET NO.
1



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

INSULATION and FENESTRATION REQUIREMENTS

CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-38	R-38
MINIMUM FLOOR R-VALUE	R-15, 19/25	R-15, 19/25
MIN. CRAWL SPACE WALL R-VALUE	R-19	R-14
MIN. SLAB R-VALUE	5/8	10/15
	0	R-10

PROVIDE STEPS AS REQUIRED
GRADE MAY VARY - BUILDER TO VERIFY

ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-MSP (7/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

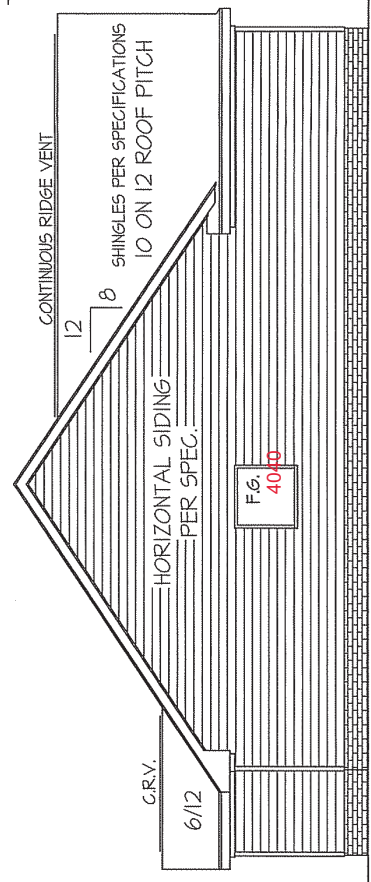


REAR ELEVATION
SCALE: 1/8" = 1'-0"

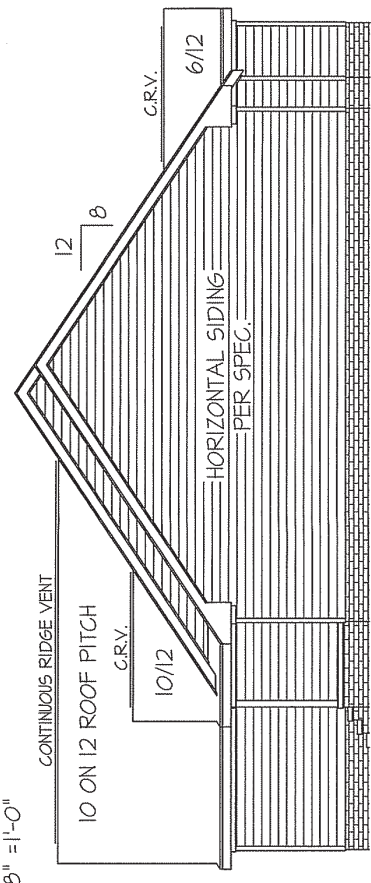
WIND ZONES (PER TABLE R301.2(4))

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

ROOF VENTILATION REQMTS.
2510 ATTIC SQ. FT. / 300 = 8.37
PROVIDED ON PLAN
97 L.F. RIDGE VENT = 18.19
124 L.F. SOFFIT VENT = 7.75
TOTAL = 25.94 S.F. FREE NET AREA



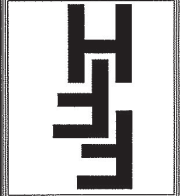
LEFT ELEVATION
SCALE: 1/8" = 1'-0"



RIGHT ELEVATION
SCALE: 1/8" = 1'-0"

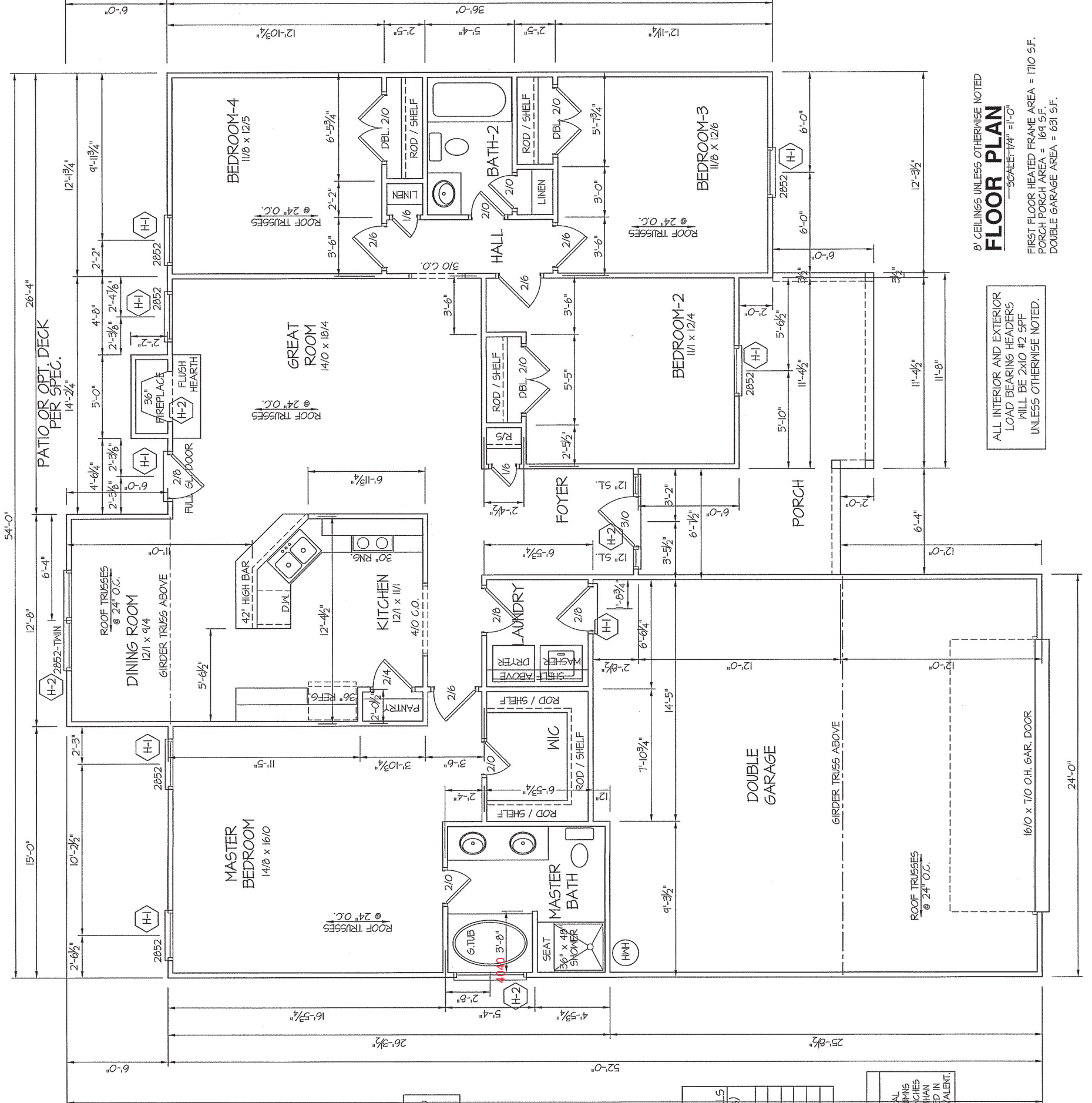
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PLAN:
WILSON ~ LEFT
FREEDOM FAMILY HOMES
EXCLUSIVE PLAN FOR

SHEET NO.
2



WIND ZONES (PER TABLE R301.2(4))

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

HEADER SCHEDULE

SYMBOL #	SIZE	JACKS
H-1	(2) 2x10	1
H-2	(2) 2x10	2
H-3	(2) 2x8	2
H-4	(2) 2x12	2
H-5	(2) 1.15 x 4.25 LVL	3

ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-MSP (7/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.-R602.1 (1) AND INT.-R602.1 (2).

TABLE R602.1.5
MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (feet)	MAX. STUD SPACING (inches) [per Table R602.3(5)]
< 3'	24
4'	2
8'	3
12'	5
16'	6

SECTION R407-COLUMNS
R407.3 STRUCTURAL REQUIREMENTS
THE COLUMNS SHALL BE RESTRAINED TO PREVENT LATERAL DISPLACEMENT AT THE TOP AND BOTTOM END. WOOD COLUMNS SHALL BE NOT LESS IN NOMINAL SIZE THAN 4 INCHES BY 4 INCHES (102 mm BY 102 mm). STEEL COLUMNS SHALL BE NOT LESS THAN 3-INCH DIAMETER (76 mm) SCHEDULE 40 PIPE MANUFACTURED IN ACCORDANCE WITH ASTM A53 GRADE B OR APPROVED EQUIVALENT.

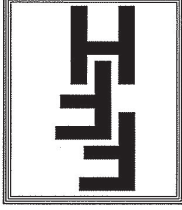
GARAGE DOOR WALL TO BE PORTAL FRAME CONSTRUCTION, COMPLYING SECTION R602.10.1 AND FIGURE-R602.10.1 METHOD PFG

8' CEILINGS UNLESS OTHERWISE NOTED
FLOOR PLAN
SCALE: 1/4" = 1'-0"
FIRST FLOOR HEATED FRAME AREA = 1710 SF.
PORCH PORCH AREA = 169 SF.
DOUBLE GARAGE AREA = 631 SF.

ALL INTERIOR AND EXTERIOR LOAD BEARING HEADERS WILL BE 2x10 #2 SFF UNLESS OTHERWISE NOTED.

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EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
WILSON ~ LEFT

PLAN:

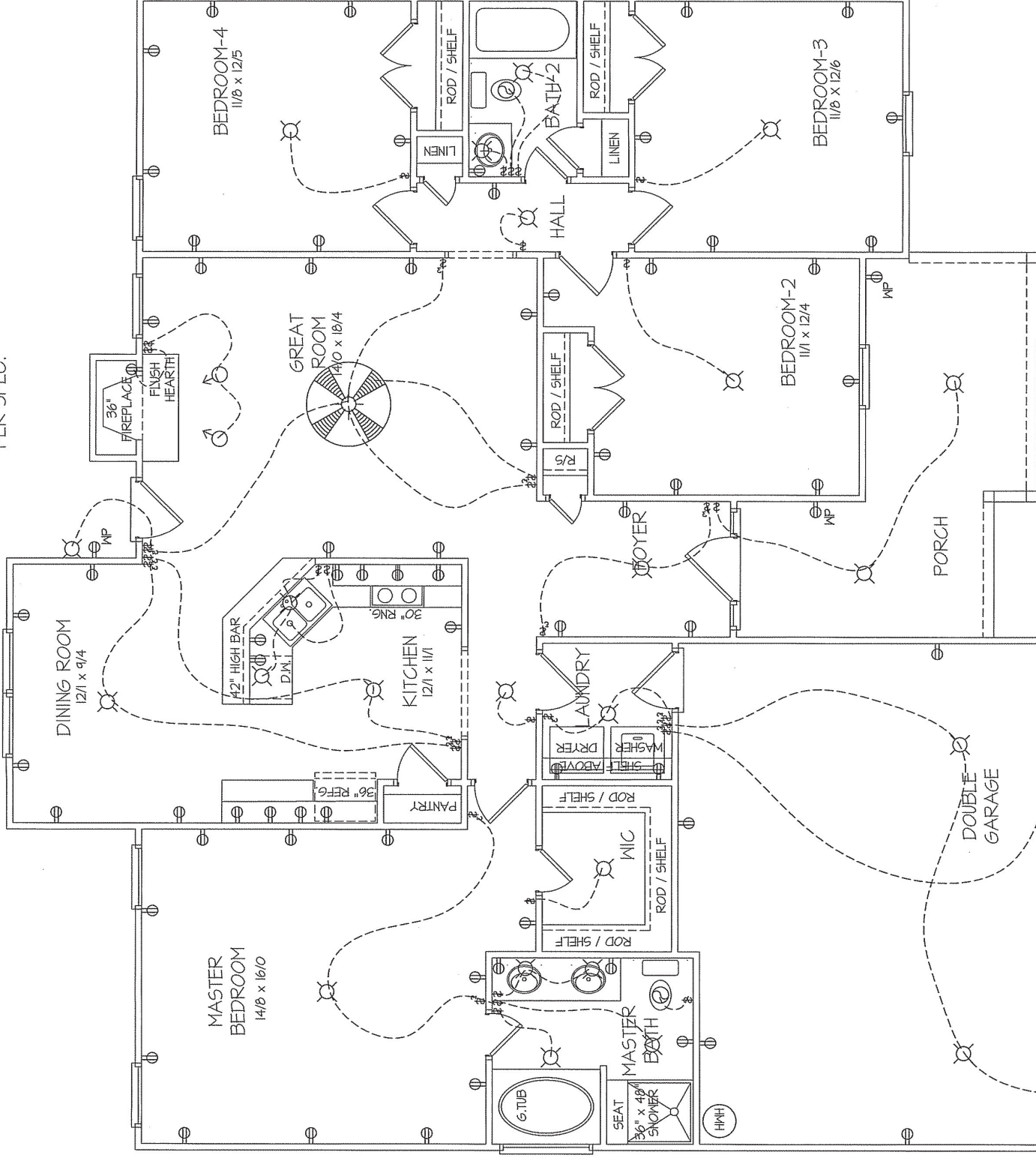
SHEET NO.

4

8' C.I.G. UNLESS OTHERWISE NOTE
**ELECTRICAL
FLOOR PLAN**
SCALE: 1/4" = 1'-0"

FIRST FLOOR HEATED FRAME AREA = 1710 S.F.
PORCH PORCH AREA = 169 S.F.
DOUBLE GARAGE AREA = 631 S.F.

PATIO OR OPT. DECK
PER SPEC.



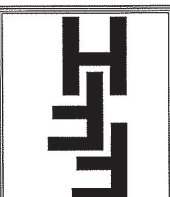
ELECTRICAL LEGEND

PROVIDE BURGALAR ALARMS AND FIRE DETECTORS AS SHOWN. PROVIDE CENTRAL VACUUM SYSTEMS AS PER MANUFACTURER'S INSTRUCTIONS. ALL PANELS ARE TO BE CONTROLLED BY 240V SPEED AND DIRECTIONAL SWITCHES.

⊕ SURF. MOUNTED LIGHT	⊕ TYPICAL WALL RECEPT.	⊕ TYPICAL SWITCH
○ RECESSED LIGHT	⊕ TOP 1/2 HOT W/SWITCH	⊕ 3-WAY SWITCH
⊕ EYEBALL LIGHT	⊕ CEILING RECEPTACLE	⊕ 4-WAY SWITCH
⊕ FAN/LIGHT COMB.	⊕ FLOOR RECEPTACLE	⊕ DIMMER SWITCH
⊕ FLUORESCENT TUBE	⊕ WATERPROOF RECEPT.	⊕ ELEC. PANEL BOX
⊕ FLUOR. LIGHT FIXTURE	⊕ GROUND FAULT	⊕ T.V. CABLE RECEPT.
⊕ EXHAUST FAN	⊕ DISPOSAL UNIT	⊕ TELEPHONE JACK
⊕ C.I.G. FAN	⊕ 220 VOLT RECEPTACLE	⊕ COMPUTER JACK
⊕ FLOOD LIGHT		

DATE:
OCT. 18, 2019

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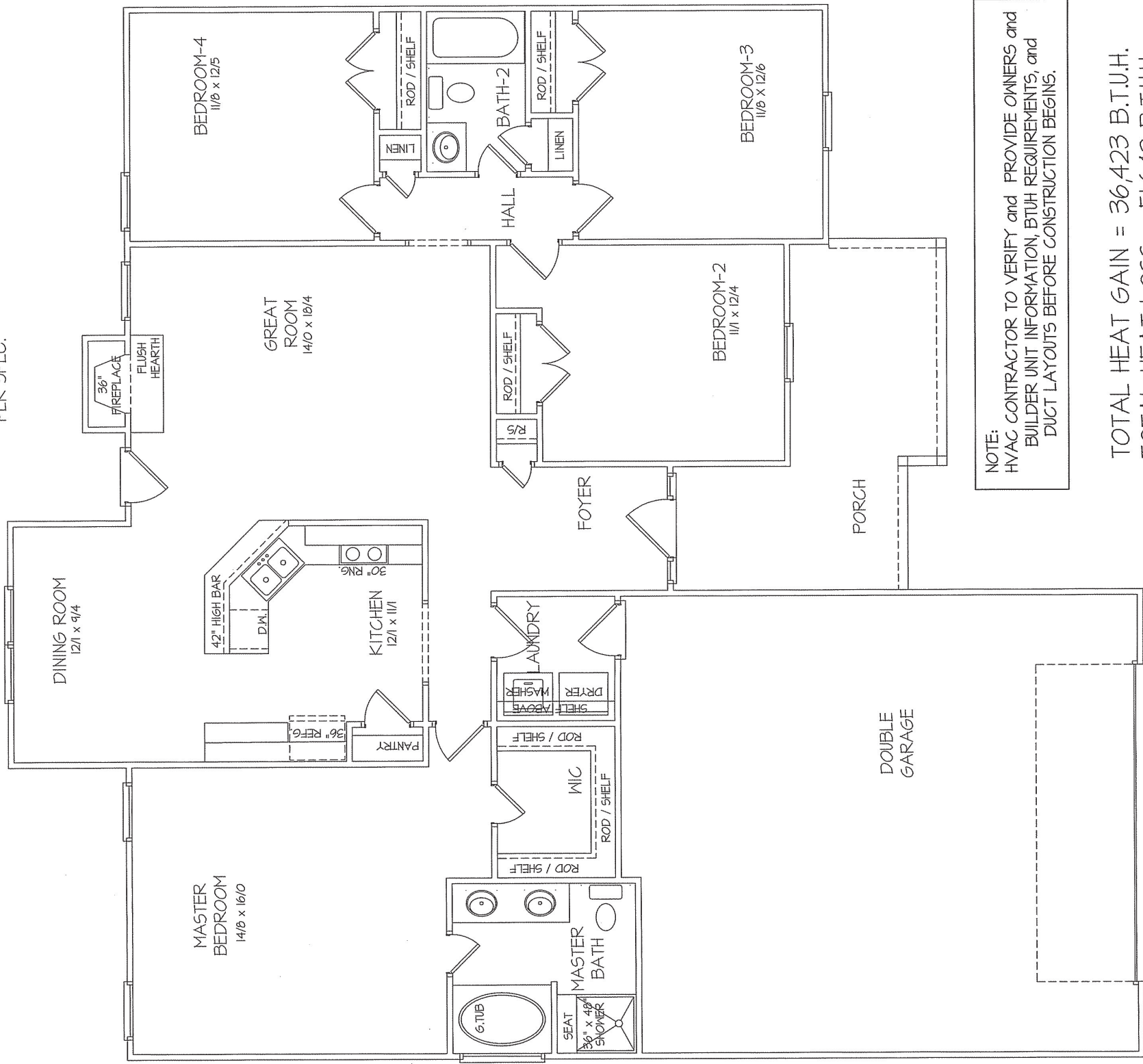


EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
WILSON~LEFT

SHEET NO.
5

8' CEILINGS UNLESS OTHERWISE NOTED
HVAC FLOOR PLAN
SCALE: 1/4" = 1'-0"
FIRST FLOOR HEATED FRAME AREA = 1710 S.F.
PORCH PORCH AREA = 169 S.F.
DOUBLE GARAGE AREA = 631 S.F.

PATIO OR OPT. DECK
PER SPEC.



NOTE:
HVAC CONTRACTOR TO VERIFY and PROVIDE OWNERS and
BUILDER UNIT INFORMATION, BTUH REQUIREMENTS, and
DUCT LAYOUTS BEFORE CONSTRUCTION BEGINS.

TOTAL HEAT GAIN = 36,423 B.T.U.H.
TOTAL HEAT LOSS = 51,642 B.T.U.H.

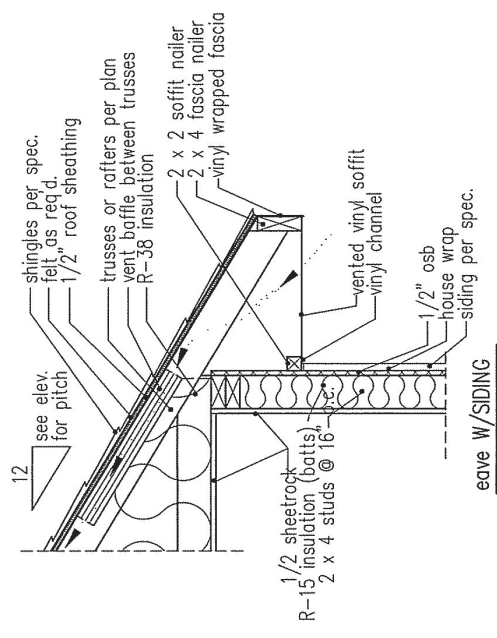
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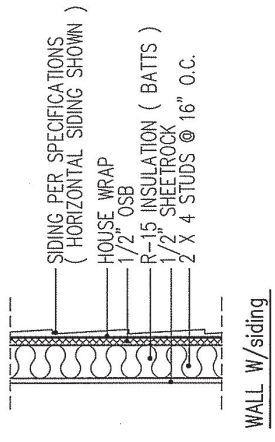
EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
PLAN:

SHEET NO.
6

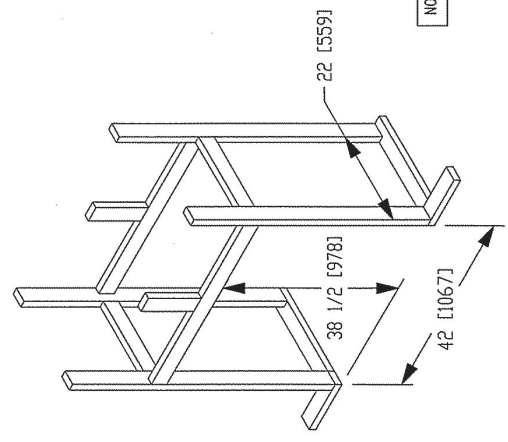


NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

standard eave details



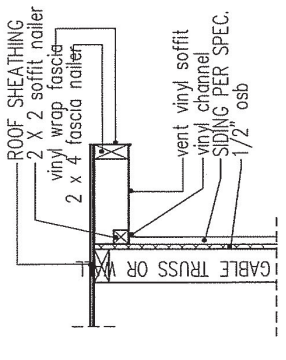
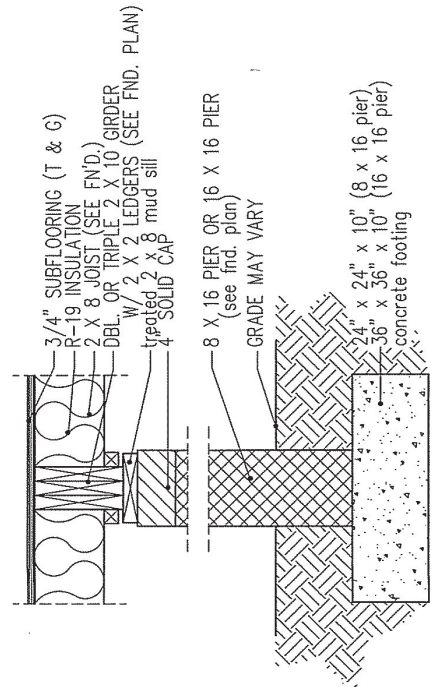
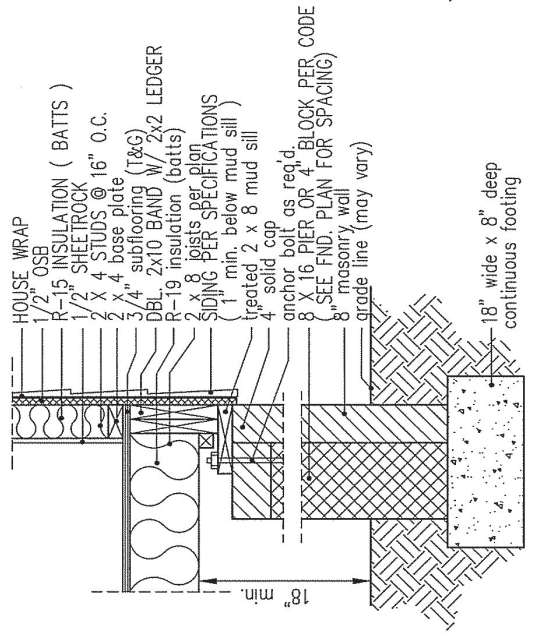
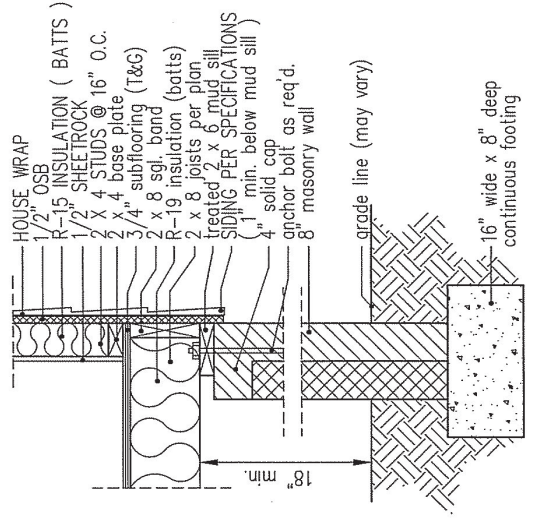
intermediate wall details



DIMENSIONS IN () ARE MM

Model 600-TR	Height		Front Width		Back Width		Depth		Glass Size	JBU Input
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing		
Inches	38	38-1/2	41	42	28-1/2	42	21-1/2	22		

Reference dimensions only. We recommend measuring individual units at installation.



NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

TABLE R602.15
MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (feet)	MAX. STUD SPACING (inches) [per Table R602.3(5)]	24
< 3'	1	1
4'	2	2
8'	3	3
12'	5	5
16'	6	6

GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.-R602.1 (1) AND INT.-R602.1 (2).