

THIS PLAN HAS BEEN DRAWN TO CONFORM TO THE
2018 NORTH CAROLINA RESIDENTIAL CODE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS
PRIOR TO BEGGINING WORK. CONTRACTOR IS RESPONSIBLE FOR
COMPLIANCE WITH ALL STATE AND LOCAL BUILDING CODES AND
ORDINANCES. KADS CUSTOM HOME DESIGNS ASSUMES
NO LIABILITY FOR SITE CONDITIONS, CONSTRUCTION METHODS
OR ANY DEVIATION OF THESE PLANS.

NOTE:
ALL WINDOWS TO BE INSTALLED MUST MEET
A MAXIMUM OF .32 U VALUE OR BETTER, UNLESS
ENERGY CALCULATIONS ARE SUBMITTED WITH PLANS
PROVIDED BY BUILDER AT TIME OF PLAN REVIEW.



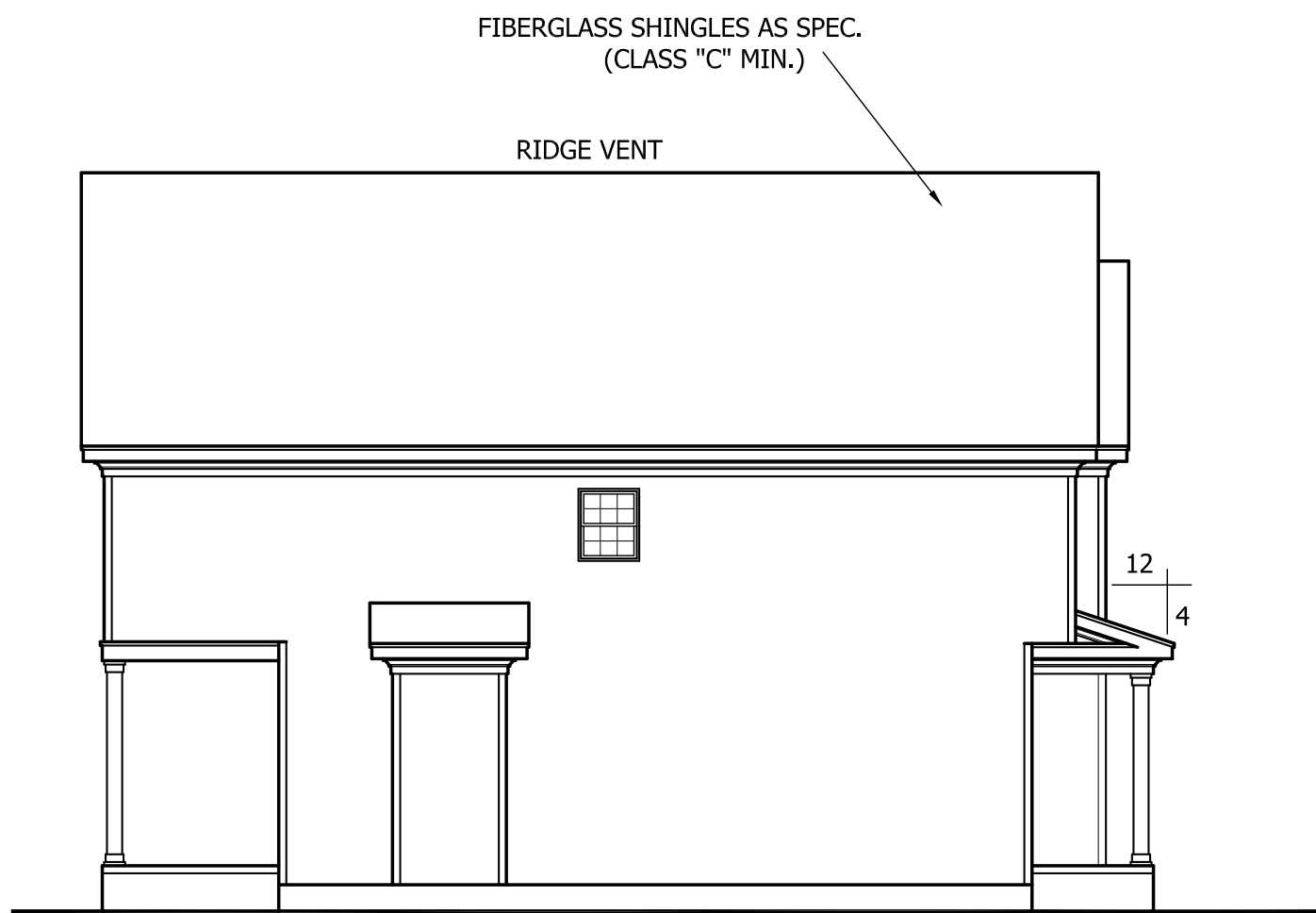
OPTIONAL FRONT ELEVATION

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



FRONT ELEVATION

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



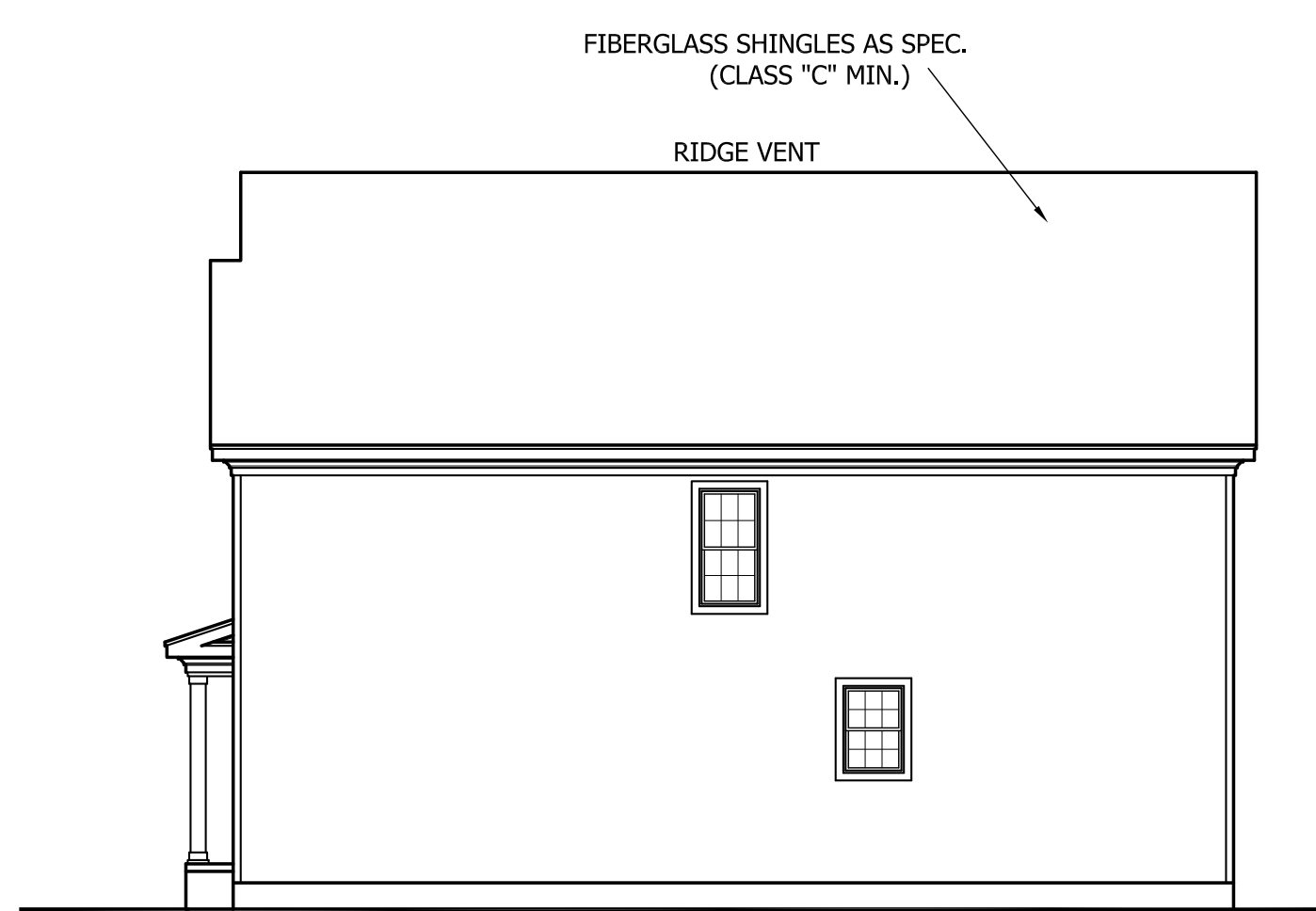
LEFT ELEVATION

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



REAR ELEVATION

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



RIGHT ELEVATION

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

TRIANGLE DEALS. LLC
"THE CROWDER"



ANGIER, NC
919-369-7181

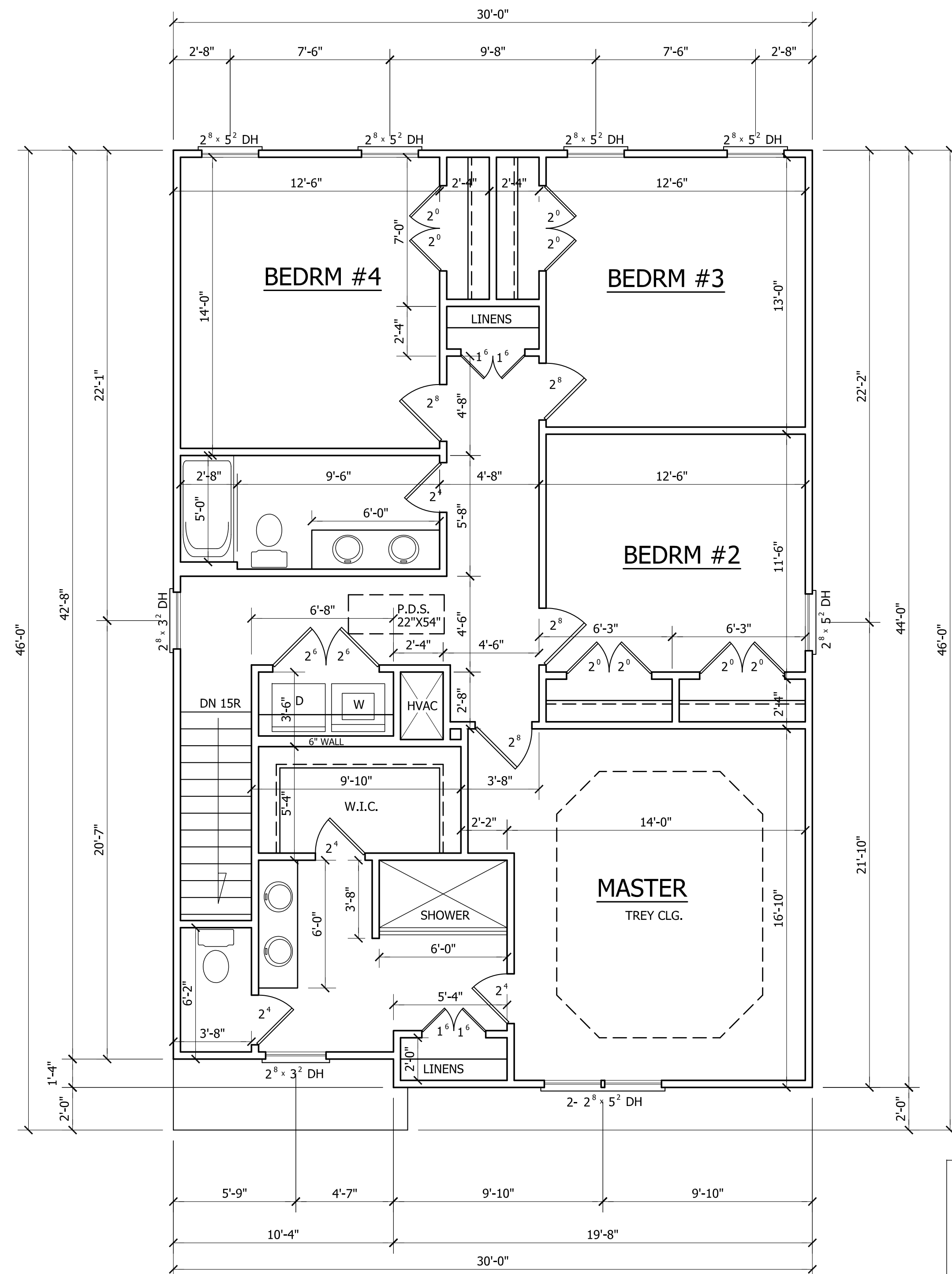
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D.W.O.

DATE:
8/12/20

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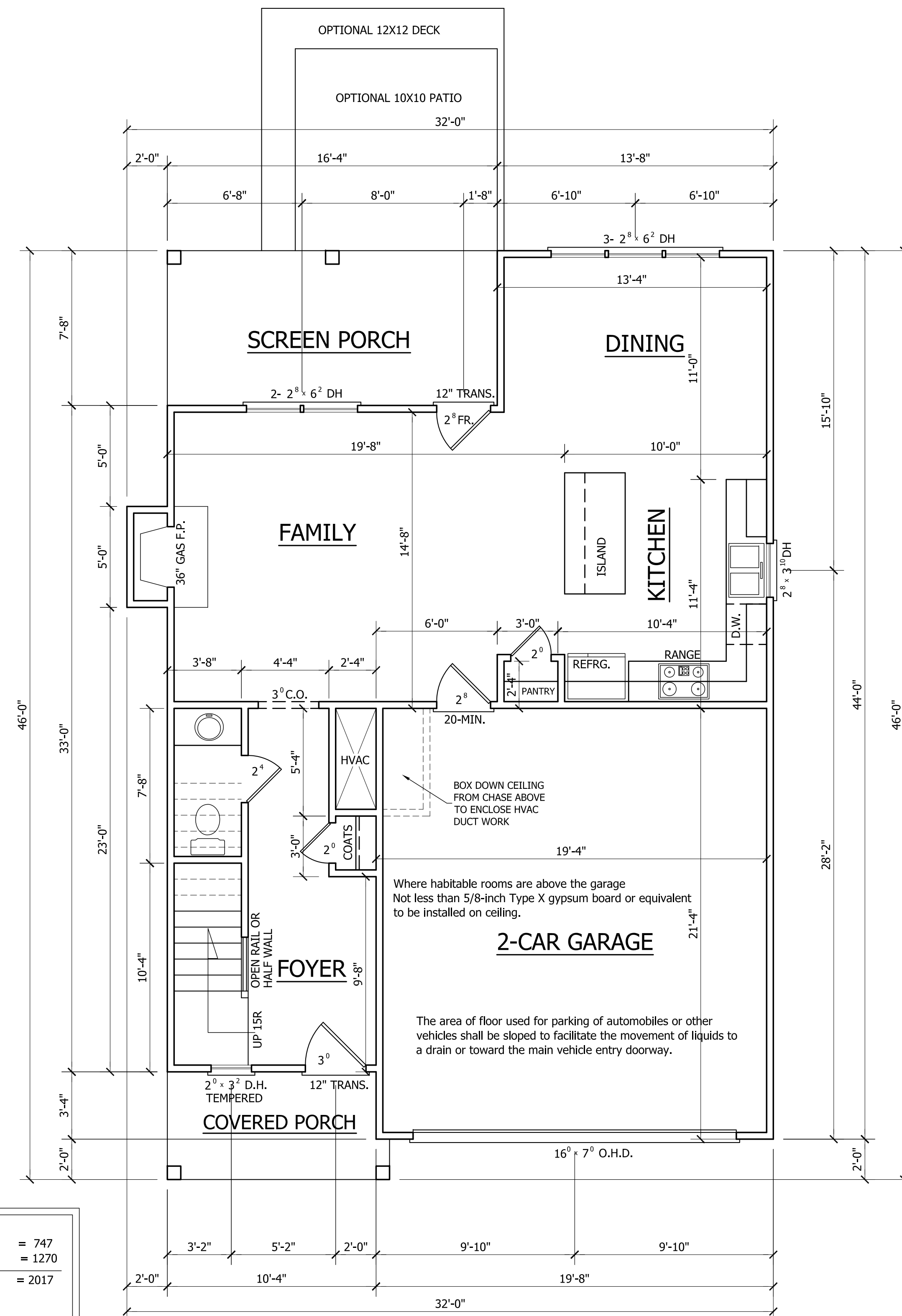
PLAN NO.
DK2017



SECOND FLOOR PLAN

SCALE: 1/4"=1'-0"
8'-0" CLG. HGT.
SET WINDOWS AT 7'-0" A.F.F.

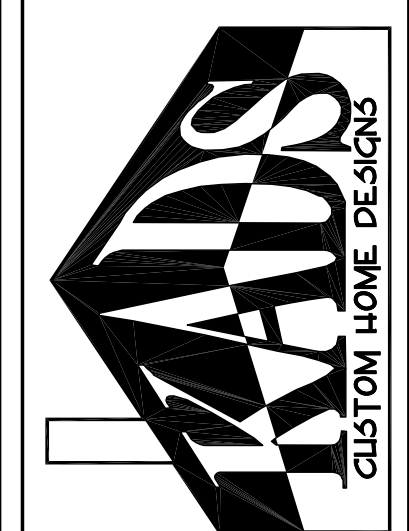
HEATED	
FIRST FLOOR HTD. SQ. FT.	= 747
SECOND FLOOR HTD. SQ. FT.	= 1270
TOTAL HTD. SQ. FT.	= 2017
UNHEATED	
FRONT PORCH SQ. FT.	= 56
GARAGE SQ. FT.	= 414
SCREEN PORCH SQ. FT.	= 125



FIRST FLOOR PLAN

SCALE: 1/4"=1'-0"
9'-0" CLG. HGT.
SET WINDOWS AT 7'-10" A.F.F.

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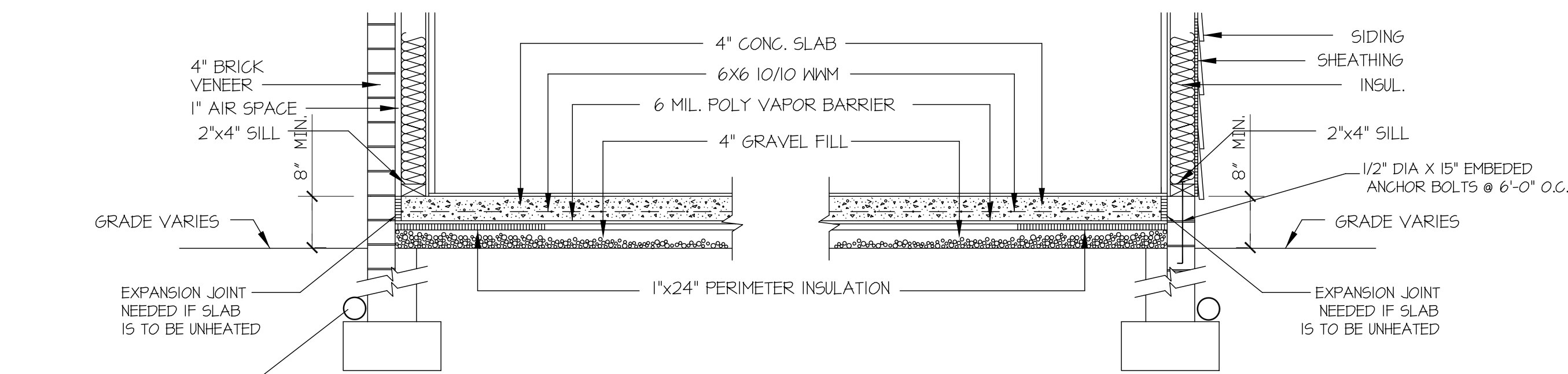
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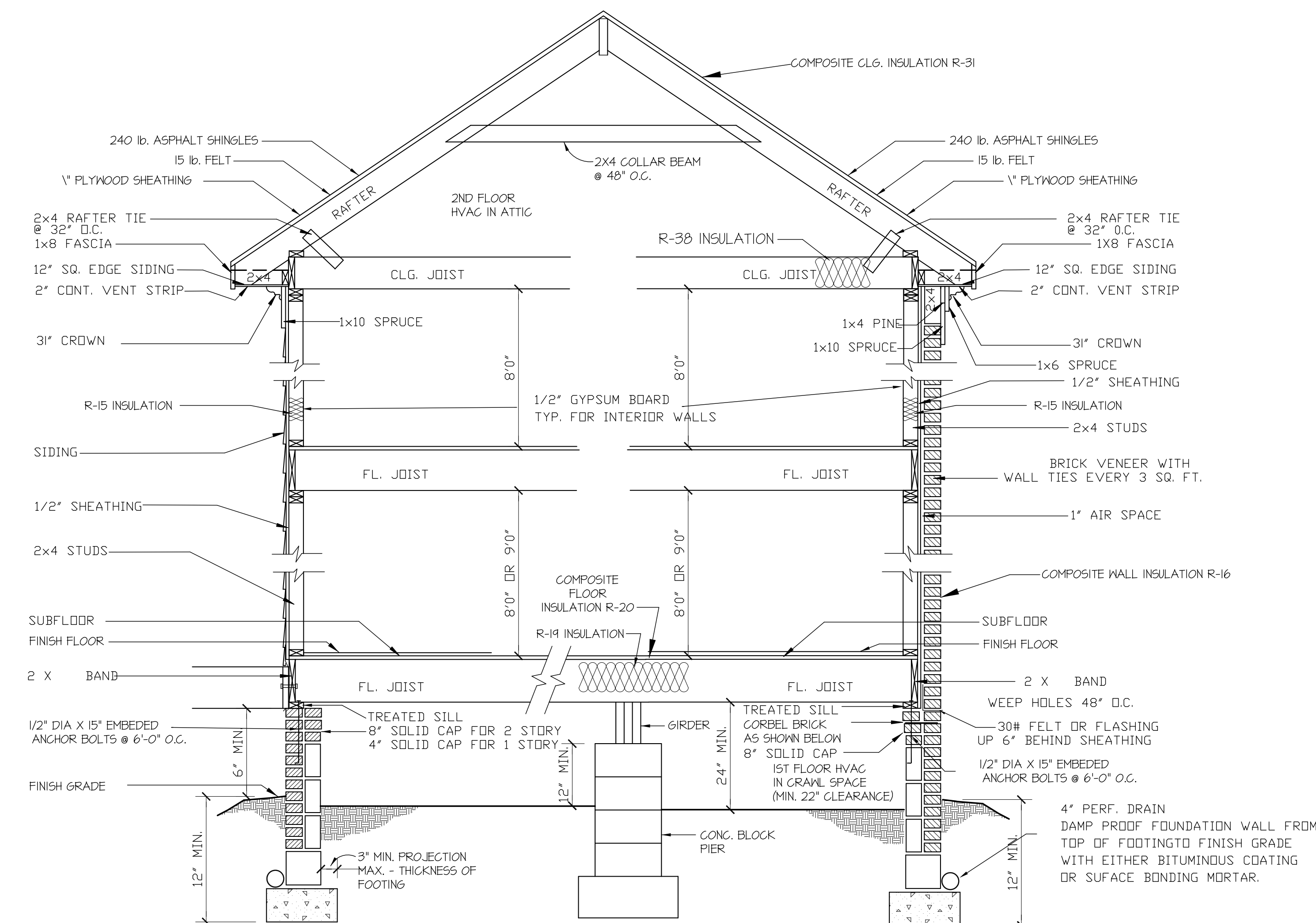


BRICK VENEER

SIDING

SLAB FDN. DETAIL

SCALE: 1" = 1'-0"



SIDING SECTION

BRICK SECTION

WALL SECTION

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

CRAWL SPACE VENTILATION

PROVIDE AT LEAST 1.0 SQ. FT. NET FREE VENTILATION AREA FOR EACH 150 SQ. FT. OF CRAWL SPACE.

CRAWL SPACE AREA = 747 SQ. FT.
747/150 = 4.98 SQ. FT. REQ'D.

REDUCE REQUIRED AREA TO 1.0 SQ. FT. NET FREE VENTILATION AREA FOR EACH 1,500 SQ. FT. OF CRAWL SPACE WITH APPROVED VAPOR BARRIER.

PROVIDE (1) VENT WITHIN 3'-0" OF EACH CORNER.

REFER TO MANUFACTURER SPECIFICATIONS FOR ACTUAL VENTS USED TO DETERMINE NUMBER OF VENTS REQUIRED.

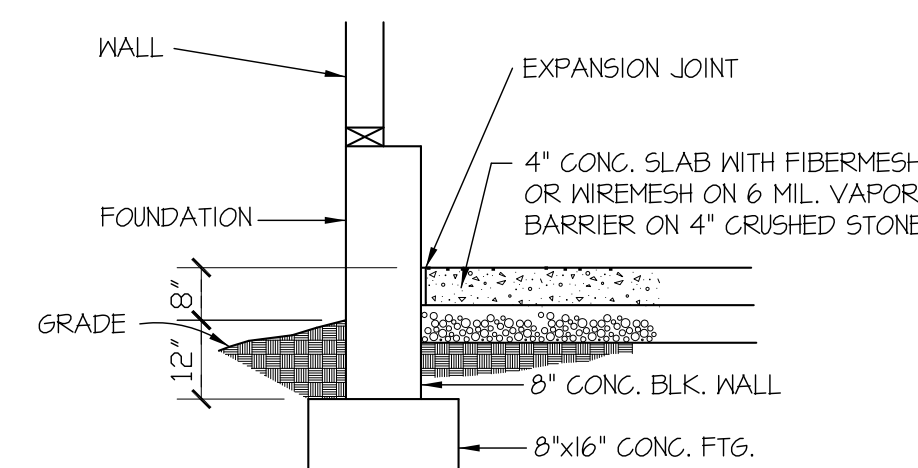
ROOF VENTILATING REQUIREMENTS

$$\frac{1392}{150} = 9.28 \text{ SQ. FT. REQ'D}$$

ROOF VENTILATING REQUIREMENTS (POWER ROOF VENTILATOR REQUIRED)

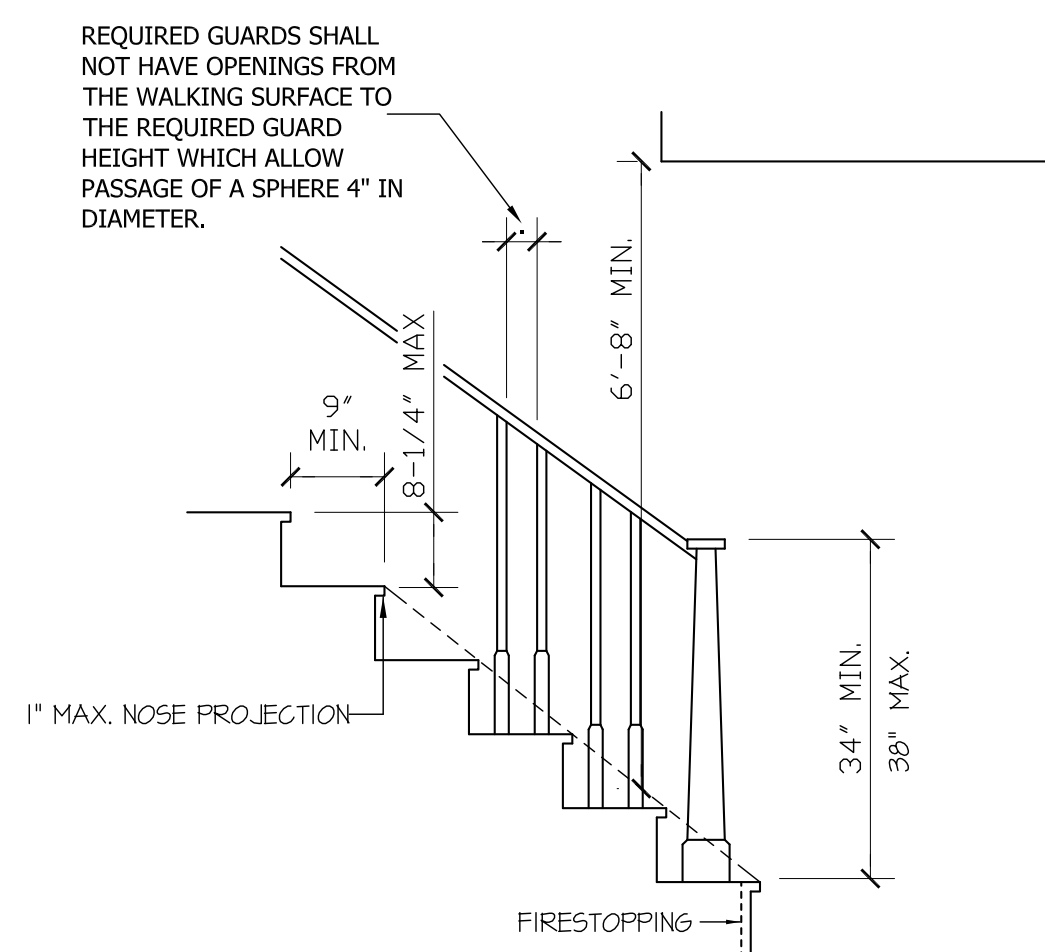
$$\frac{1392}{300} = 4.64 \text{ SQ. FT. REQ'D}$$

BUILDER TO PROVIDE APPROPRIATE VENTILATING AS REQUIRED.



GARAGE SLAB

SCALE: NTS



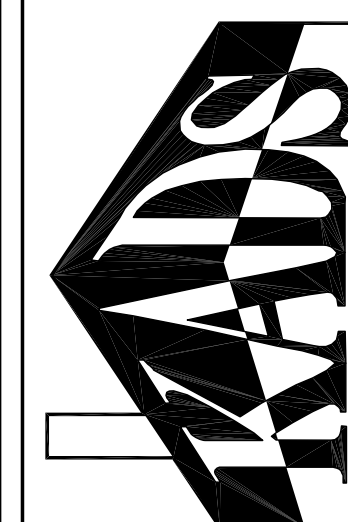
NOTE:

Stairways shall not be less than 36 inches in clear width at all points above the permitted handrail height and below the required headroom height. Handrails shall not project more than 4.5 inches on either side of the stairway and the minimum clear width of the stairway at and below the handrail height, including treads and landings, shall not be less than 31-1/2 inches where a handrail is installed on one side and 27 inches where handrails are provided on both sides

STAIR DETAIL

SCALE: NTS

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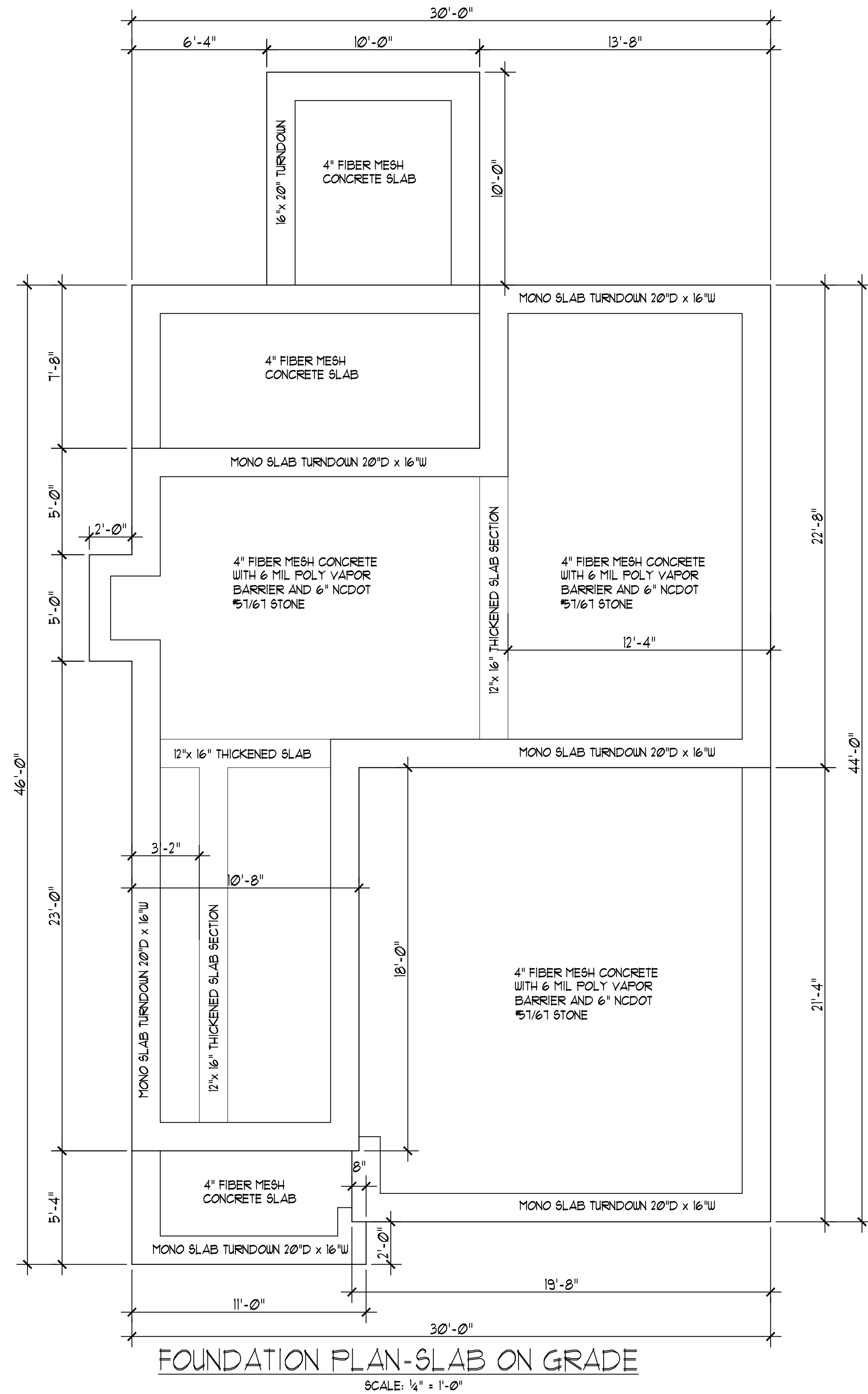
PLAN NO.
DK2017

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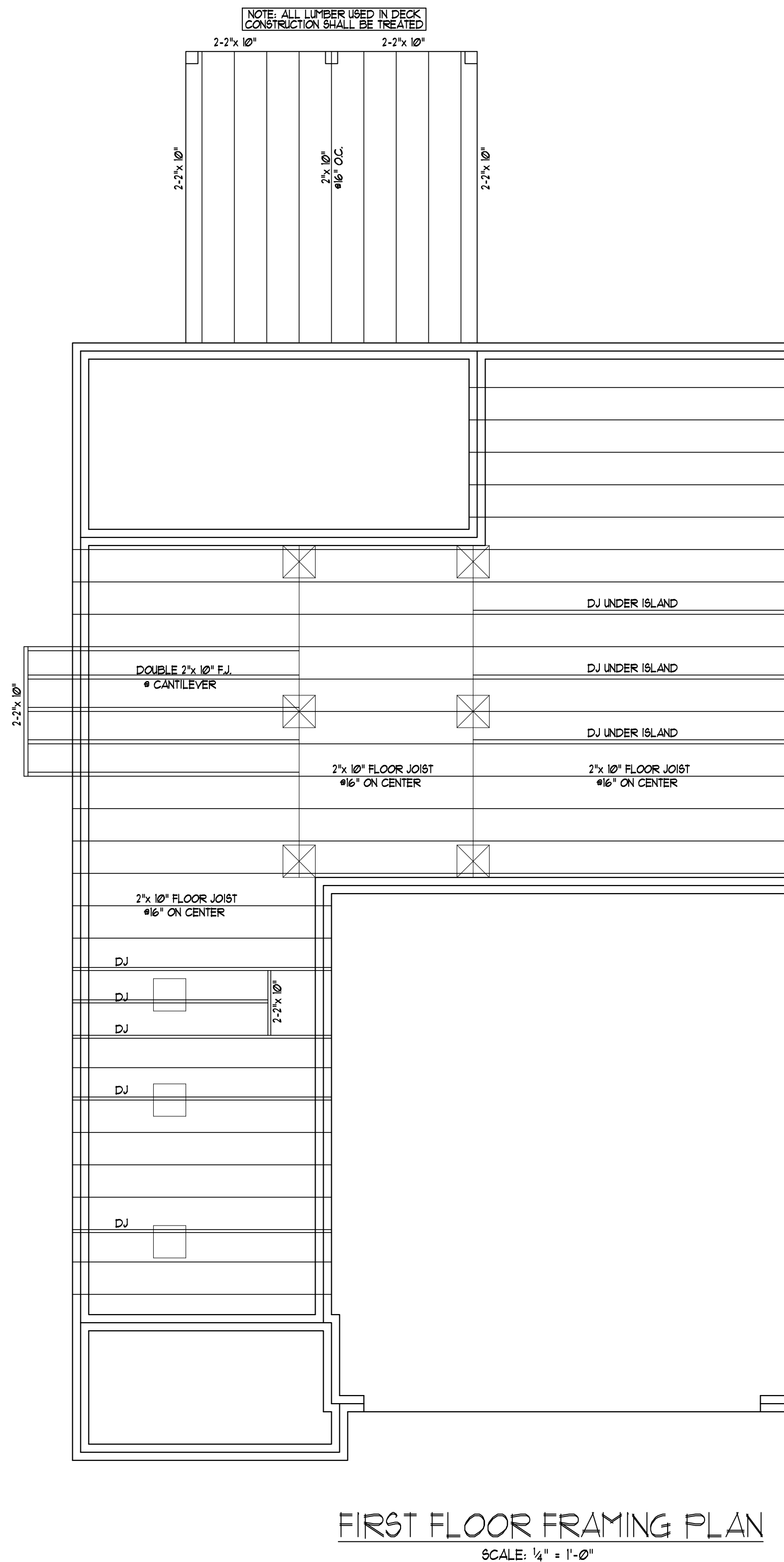


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TRIANGLE DEALS, LLC
THE CROWDER PLAN

Sheet No. _____

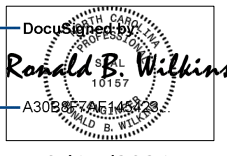
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GENERAL ROOF NOTES:

1. THIS PLAN DESIGNED IN ACCORDANCE WITH THE NORTH CAROLINA RESIDENTIAL BUILDING CODE, 2018 EDITION.
2. ROOF CLADDING DESIGN VALUES (POSITIVE/NEGATIVE) SHALL BE AS FOLLOWS:
45.5 PSF FOR ROOF PITCHES FROM 0/12 TO 12.5/12
34.5 PSF FOR ROOF PITCHES FROM 12.5/12 TO 1/12
21.0 PSF FOR ROOF PITCHES FROM 1/12 TO 0/12
MEAN ROOF HEIGHT FOR THIS STRUCTURE IS 18'
3. ALL ROOFING ELEMENTS SHALL MEET THE REQUIREMENTS OF CHAPTER 8 OF THE BUILDING CODE.
4. ALL LUMBER SHALL BE 12 SFF, SYP, OR BETTER.
5. THIS ROOF AND STRUCTURE ARE DESIGNED FOR A DESIGN WIND SPEED OF 115 MPH (THREE SECOND GUST).
6. ROOF TRUSSES (IF USED) SHALL BE DESIGNED BY THE MANUFACTURER AND THE ANALYSIS SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

STRUCTURAL EVALUATION BY:

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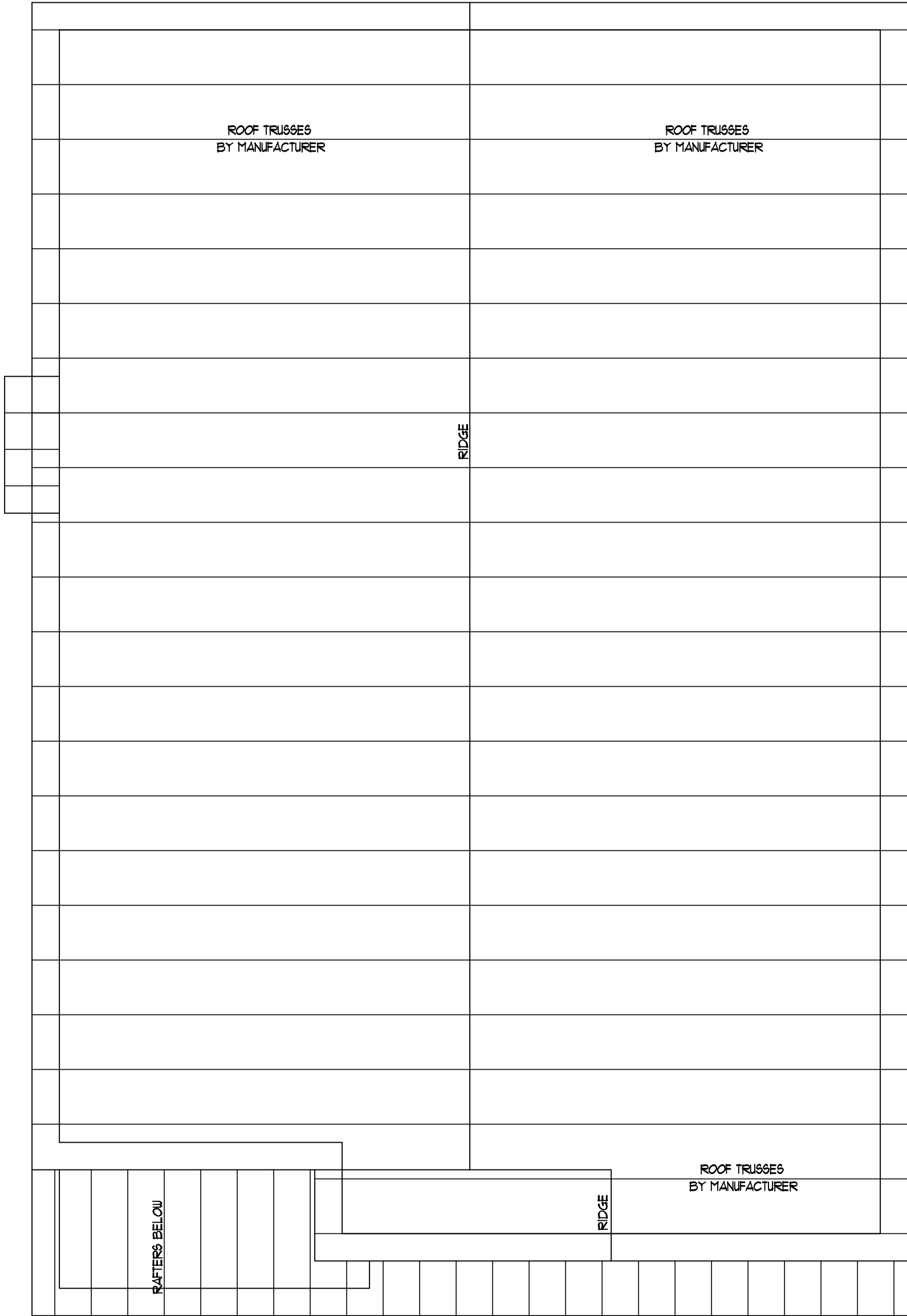


FILE: CROU-REV

9/15/2021

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ATTIC VENTILATION CALCULATION: ATTIC AREA
EQUALS 1085 SF WITH VENTILATION REQUIRED AT ONE SF
PER 300 SF OF CRAWL AREA (285 SF/250') 428 SF OF VENT
AREA REQUIRED. PROVIDED FULL RIDGE VENT AT SOFFIT VENTS
IN PERIMETER OVERHANG.



ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

Sheet No.

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TRIANGLE DEALS, LLC
THE CROWDER PLAN

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9/15/21-3540

wilkinsengr@aol.com

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VERIFIED BEFORE CONSTRUCTION BEGINS. SHOULD
ANY DISCREPANCIES BE FOUND, THE ENGINEER
BUILT FOR THESE DRAWINGS. NO OTHER ENGINEER
THESE DRAWINGS APPLY TO STRUCTURAL ELEMENTS ONLY.
THE ENGINEER ASSUMES NO RESPONSIBILITY FOR CODE
COMPLIANCE OF NON-STRUCTURAL ITEMS.

GENERAL NOTES:

1. THIS PLAN IS DESIGNED IN ACCORDANCE WITH THE NORTH CAROLINA RESIDENTIAL BUILDING CODE, 2018 EDITION.
2. WALL CLADDING IS DESIGNED FOR A POSITIVE/NEGATIVE PRESSURE OF NOT LESS THAN 241 PSF.
3. ROOF CLADDING DESIGN VALUES (POSITIVE/NEGATIVE) SHALL BE AS FOLLOWS:
- 455 PSF FOR ROOF PITCHES FROM 0/12 TO 125/12
- 345 PSF FOR ROOF PITCHES FROM 125/12 TO 1/12
- 210 PSF FOR ROOF PITCHES FROM 1/12 TO 12/12
- MEAN ROOF HEIGHT FOR THIS STRUCTURE IS 18'
4. ALL WALLS, CEILINGS, AND FLOORS SHALL BE INSULATED IN ACCORDANCE WITH PART IV, ENERGY CONSERVATION, CHAPTER II, ENERGY EFFICIENCY OF THE CODE FOR ZONE 4A (TABLE N10(2)).
5. DESIGN CRITERIA IS AS FOLLOWS:

	DEAD LOAD (PSF)	LIVE LOAD (PSF)
PRIMARY FLOOR	10	40
SECONDARY FLOOR	10	40
SLEEPING AREAS	10	40
ATTIC (W/ STAIRS)	10	30
ATTIC (W/O STAIRS)	10	20
ROOF	10	20

- WIND LOADING IS BASED ON 3 SECOND GUST OF 115 MILES PER HOUR
- LIVE LOAD DEFLECTION LIMITS (LIVE LOAD) ARE 1/260 FOR FLOORS, 1/240 FOR ROOF
6. ALL HEADERS IN LOAD BEARING WALL SHALL BE 2"x 10" UNLESS NOTED OTHERWISE.
- FULL HEIGHT KING STUDS SHALL BE INSTALLED PM EACH SIDE OF EXTERIOR WALL
- HEADERS AND BEAMS AS FOLLOWS:

HEADER SPAN	STUDS @ 16" O.C.	STUDS @ 24" O.C.
3'-0"	1	1
4'-0"	2	2
5'-0"	3	3
6'-0"	4	4
7'-0"	5	5
8'-0"	6	6

7. ALL LUMBER USED FOR JOISTS AND RAFTERS SHALL BE #2 GPF OR BETTER LUMBER USED FOR STUD WALL SHALL BE #2 GPF OR BETTER. DOUBLE FLOOR JOISTS SHALL BE INSTALLED UNDER INTERIOR WALLS RUNNING PARALLEL WITH THE FLOOR JOISTS.
8. LVL SHALL BE LAMINATED VENEER LUMBER OR PARALLEL STRAND LUMBER WITH THE FOLLOWING MINIMUM PROPERTIES: Fb=2800 PSI, Fv=285 PSI, E=2,000,000 PSI. MULTIPLE LVL PLIES CAN BE USED TO ACHIEVE THE SPECIFIED SIZE SHOWN ON THESE PLANS AND IS CONSIDERED TO BE STRUCTURALLY EQUIVALENT.
9. THE FOLLOWING SHALL APPLY TO ALL BRACED WALL LINES:
- ALL EXTERIOR WALLS SHALL BE CONTINUOUSLY SHEATHED WITH 1/2" OSB OR CDX USFP SHALL BE IN ACCORDANCE WITH R-602.10.3 AND SHALL BE COVERED WITH 1/2" GYPSUM BOARD ON THE INTERIOR FACE. ALL USFP PANELS SHALL BE FASTENED WITH 8d NAILS AT 12" ON CENTER (FIELD) AND 6" ON CENTER (EDGES). ALL EXTERIOR WALLS SHALL BE 2"x 4" AT 16" ON CENTER AS A MINIMUM (EXCEPT FOR BALLOON FRAMED WALL SECTIONS AS NOTED) AND CONTINUOUSLY SHEATHED.

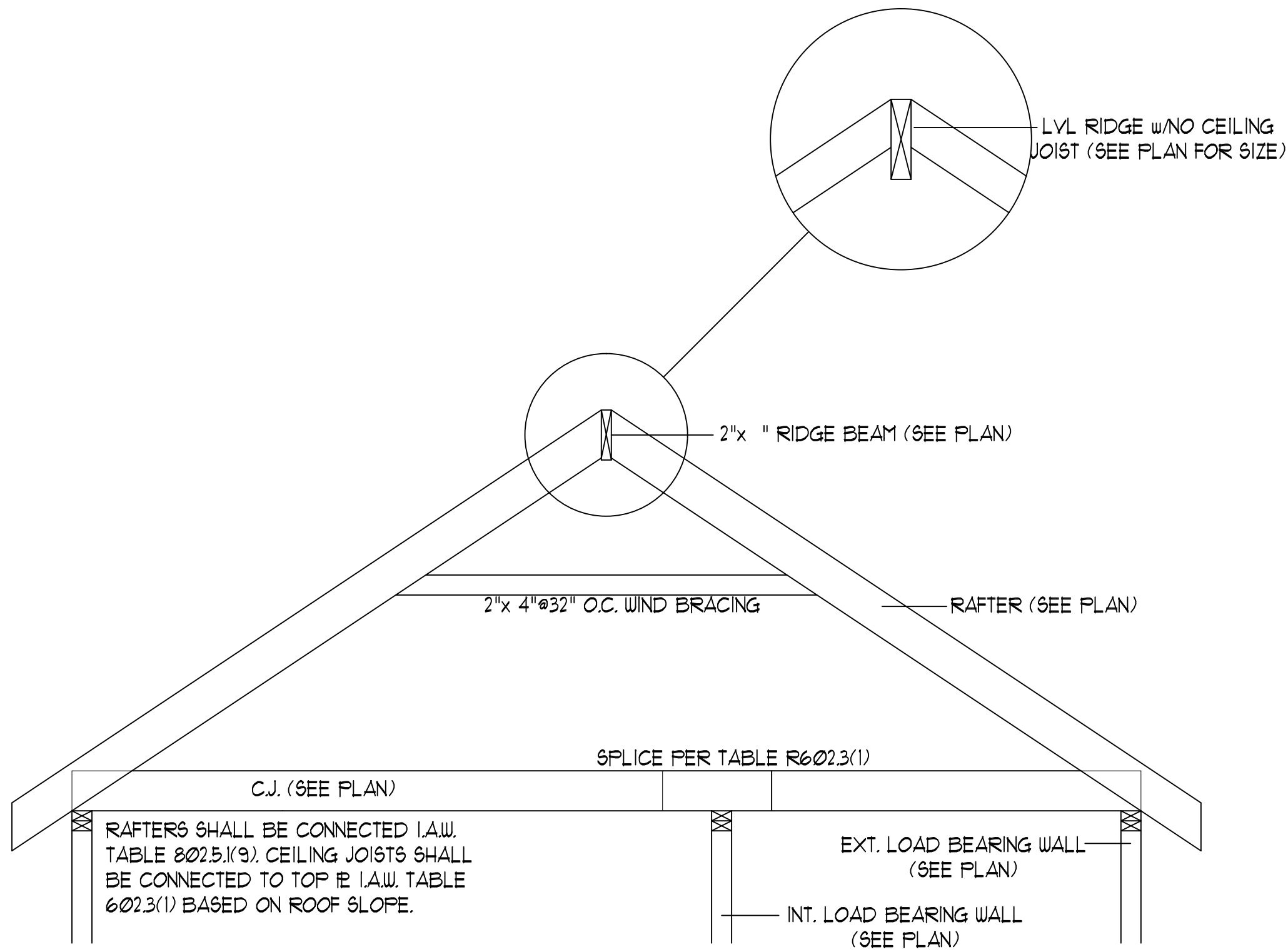
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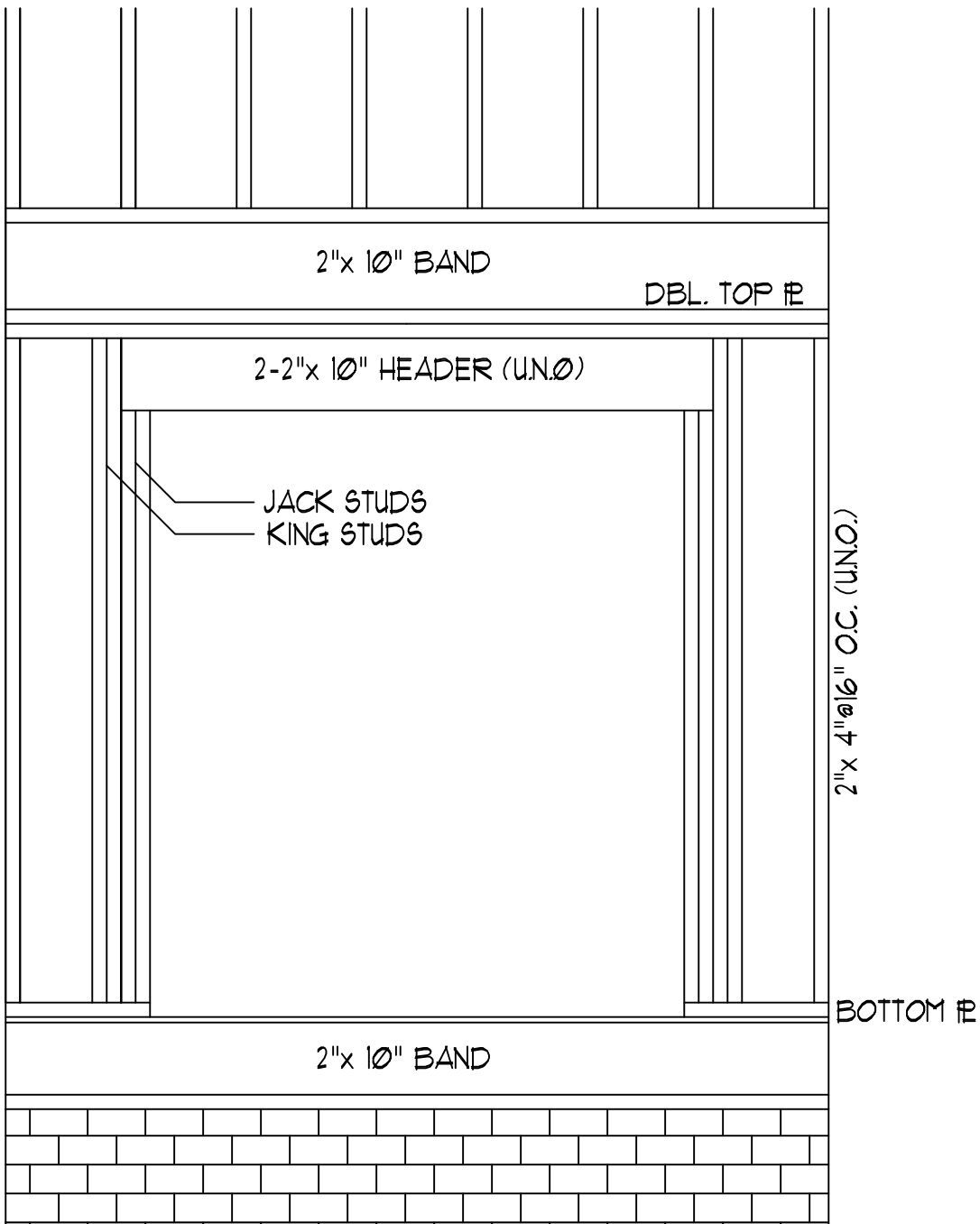
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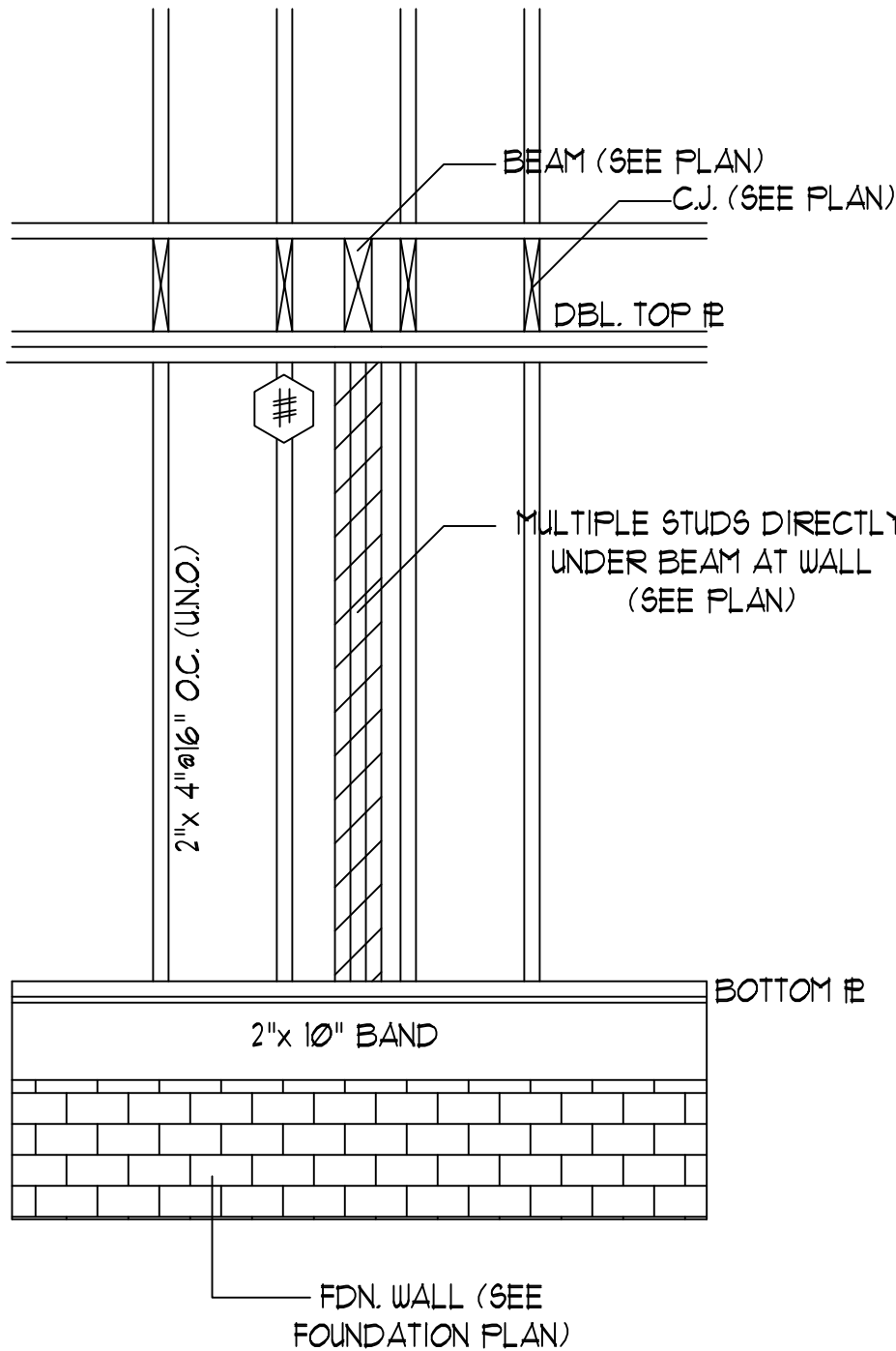
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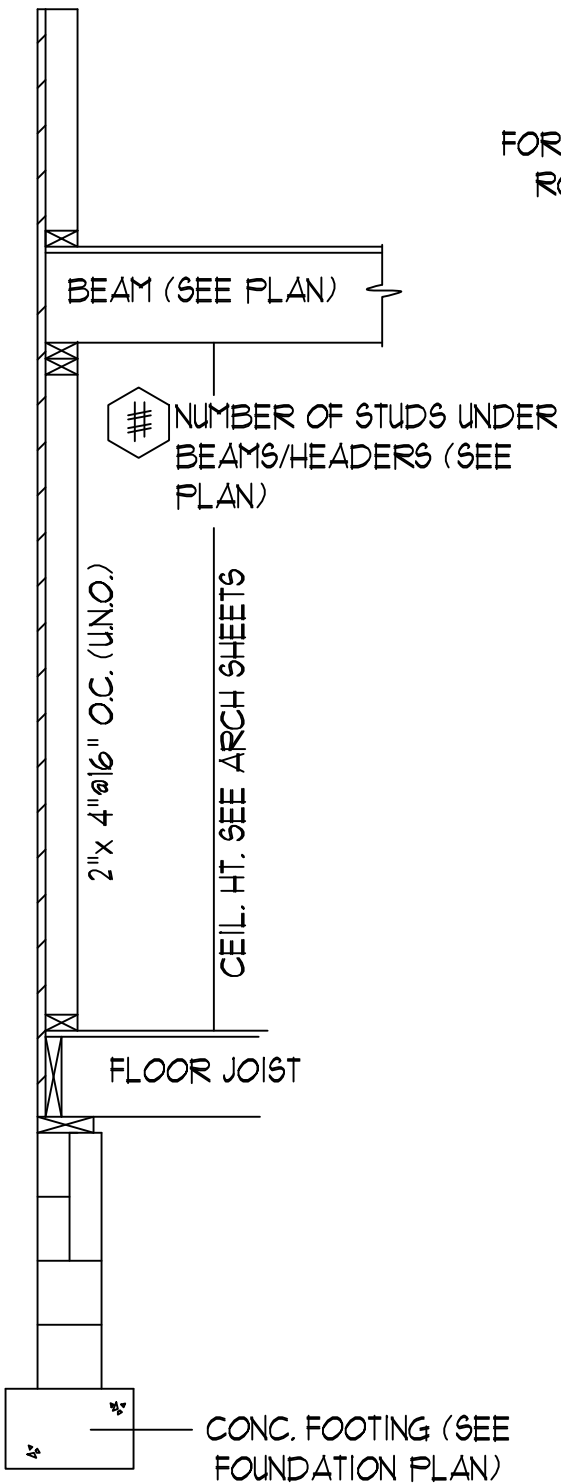
RIDGE BEAM/RAFTER
DETAIL (N.T.S.)



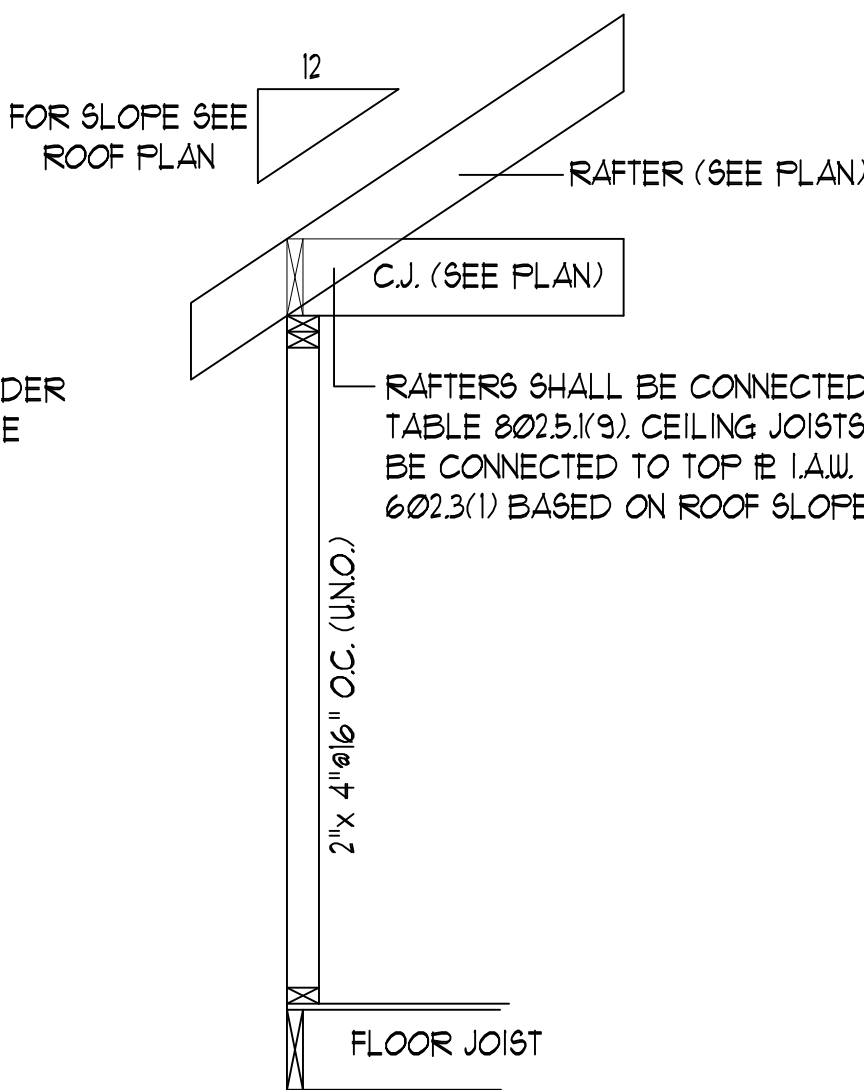
HEADER DETAIL AT EXT.
WALL OPENINGS (N.T.S.)



STUD SUPPORT FOR
BEAMS/HEADERS
(ELEV. N.T.S.)



STUD SUPPORT FOR
BEAMS/HEADERS
(SECT. N.T.S.)



RAFTER/CEILING
JOIST CONNECTION
(N.T.S.)

