

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.



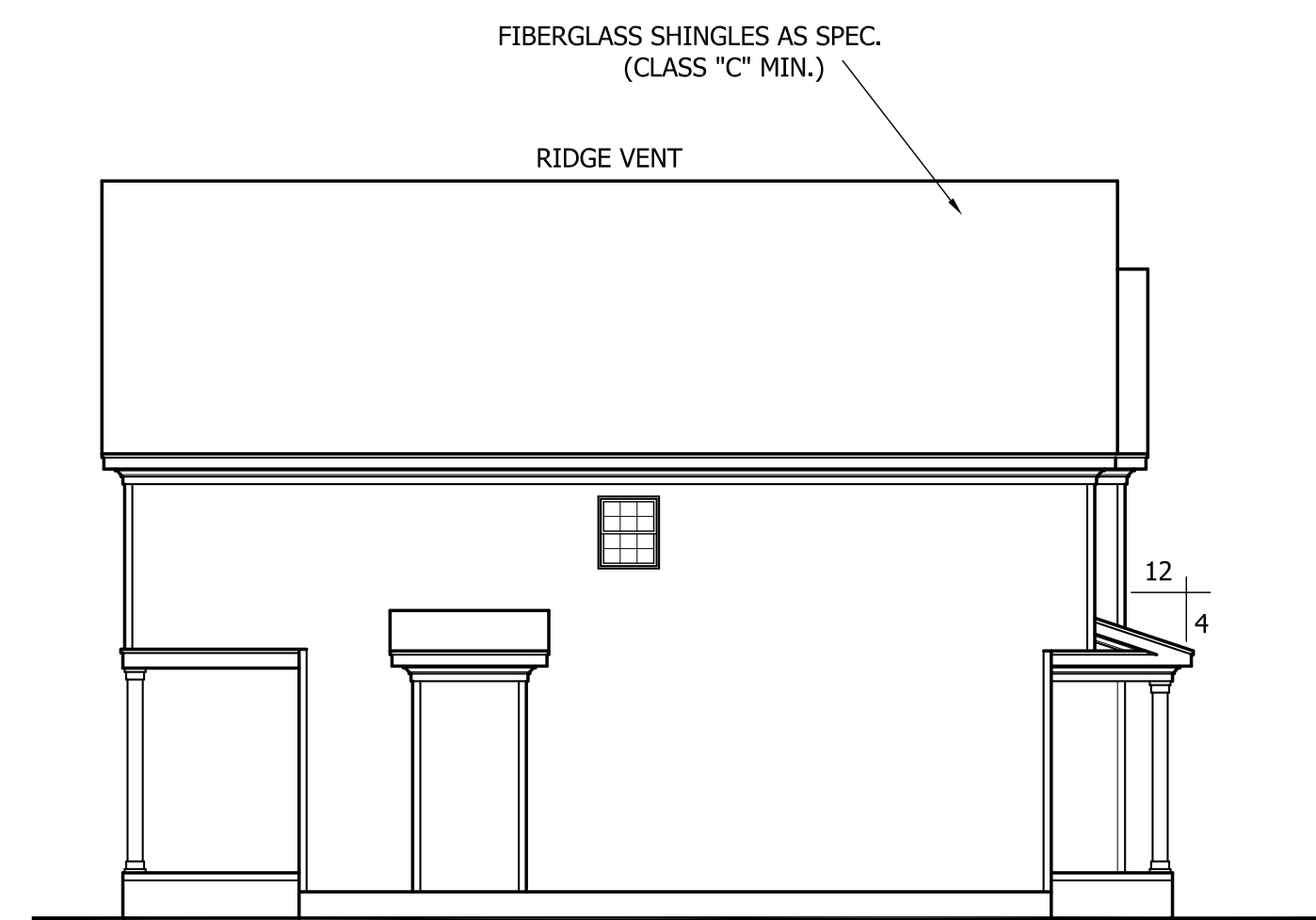
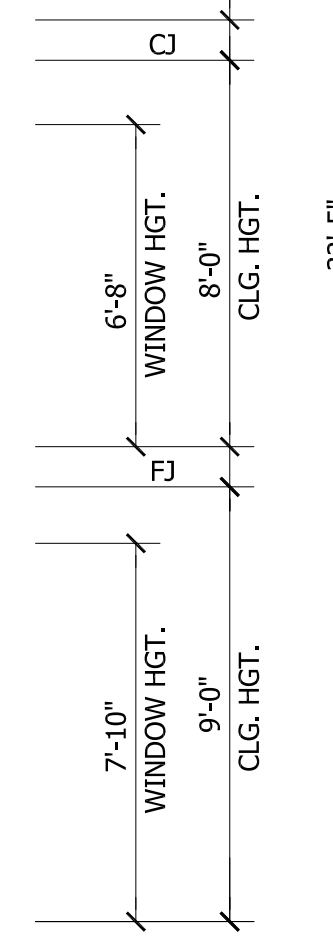
**OPTIONAL FRONT ELEVATION**

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



**FRONT ELEVATION**

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



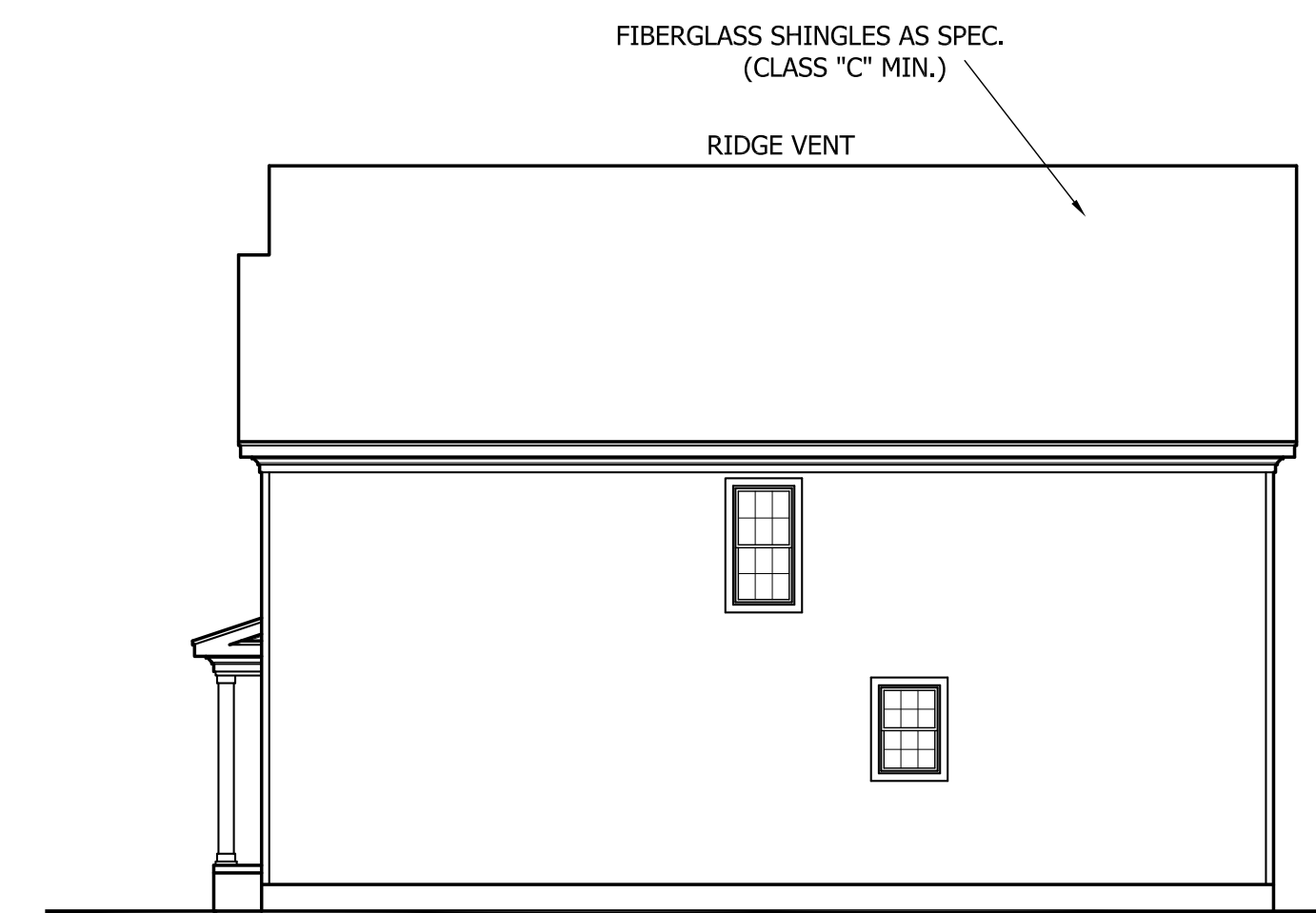
**LEFT ELEVATION**

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

DRAWN BY:  
D.V.O.

DATE:  
8/12/20

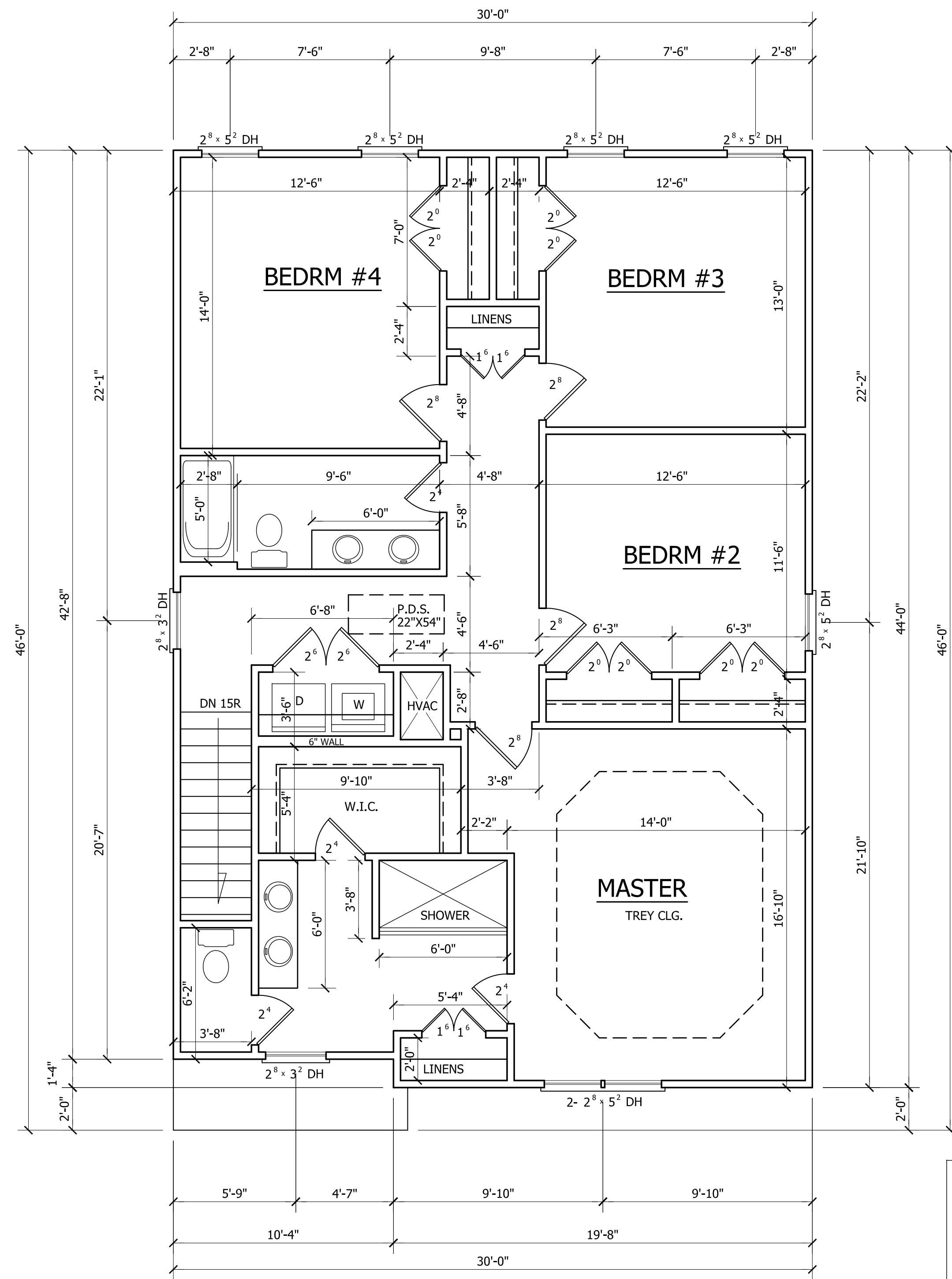
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OF

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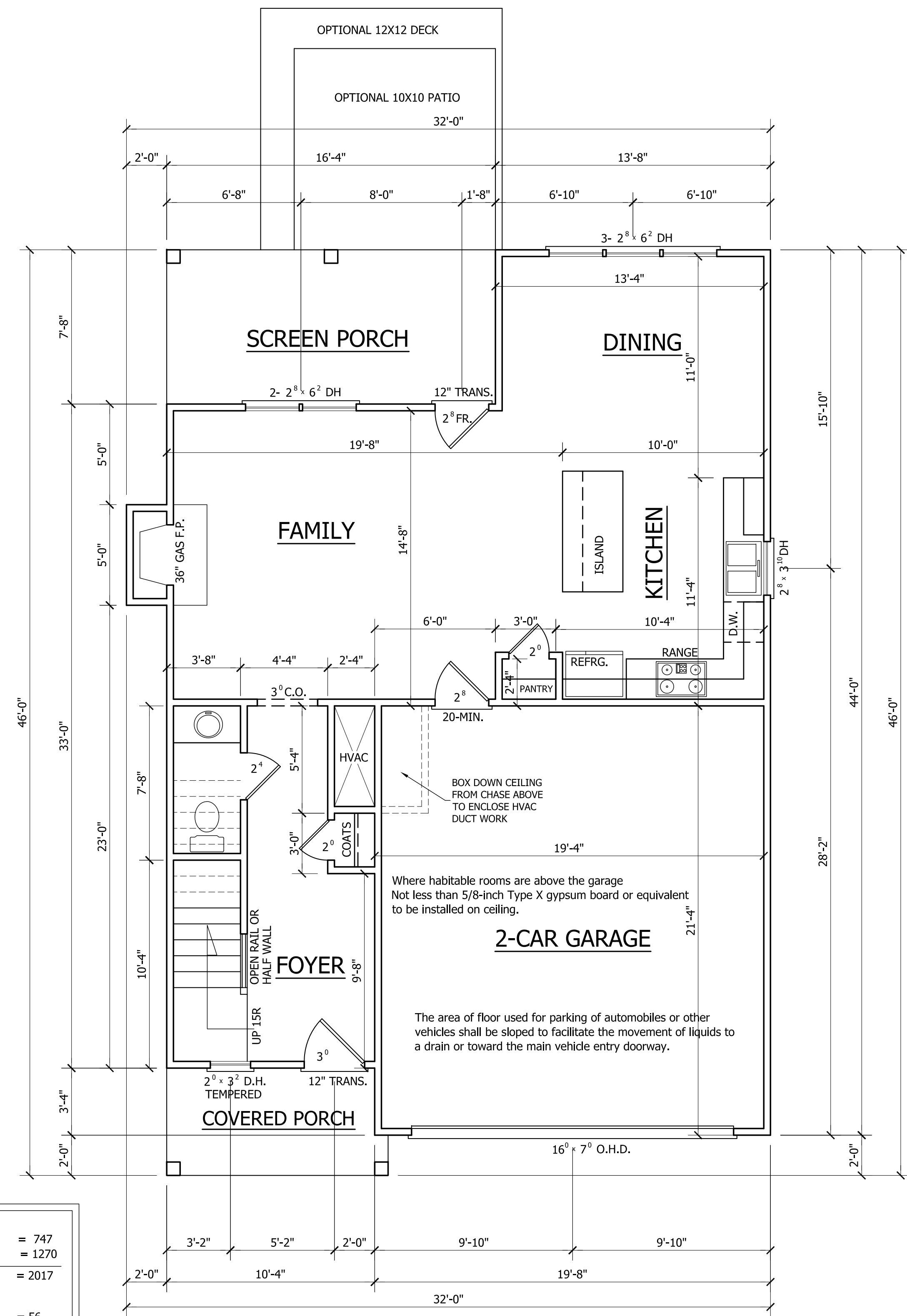
PLAN NO.  
DK2017



**SECOND FLOOR PLAN**

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

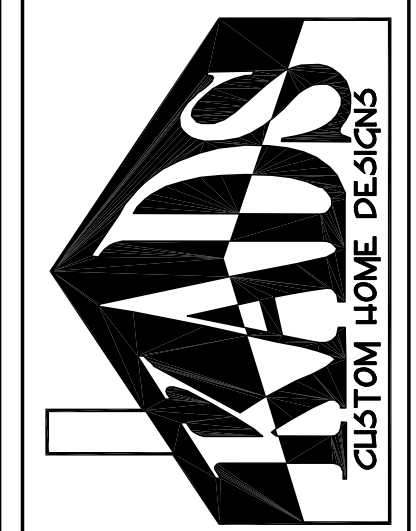
<b>HEATED</b>	
FIRST FLOOR HTD. SQ. FT.	= 747
SECOND FLOOR HTD. SQ. FT.	= 1270
<b>TOTAL HTD. SQ. FT.</b>	<b>= 2017</b>
<b>UNHEATED</b>	
FRONT PORCH SQ. FT.	= 56
GARAGE SQ. FT.	= 414
SCREEN PORCH SQ. FT.	= 125



**FIRST FLOOR PLAN**

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

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**"THE CROWDER"**



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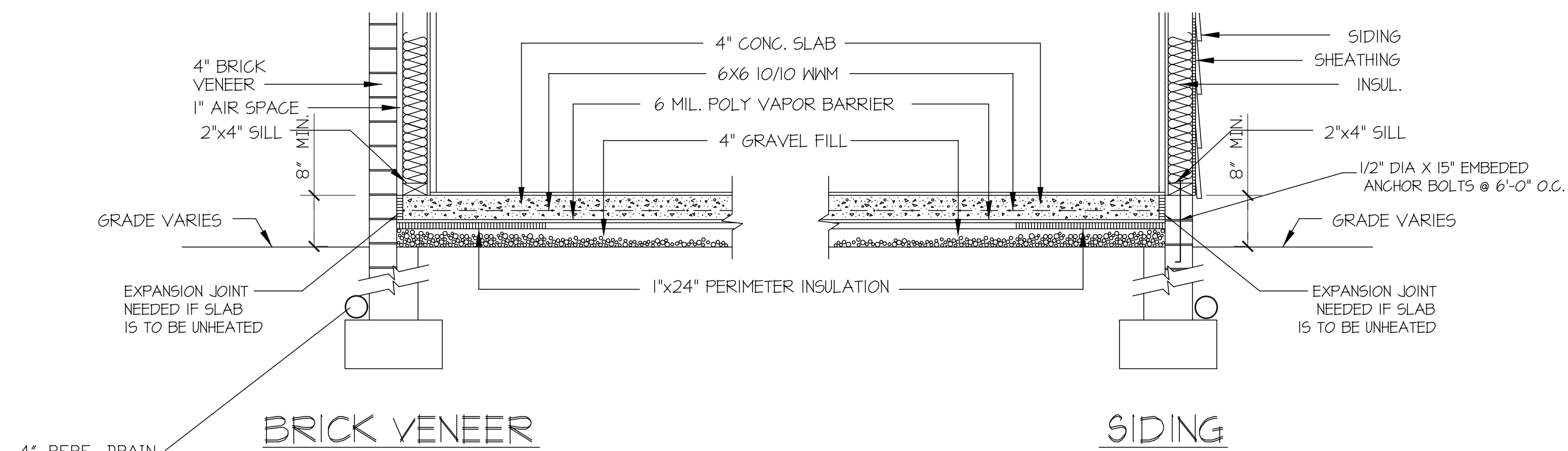
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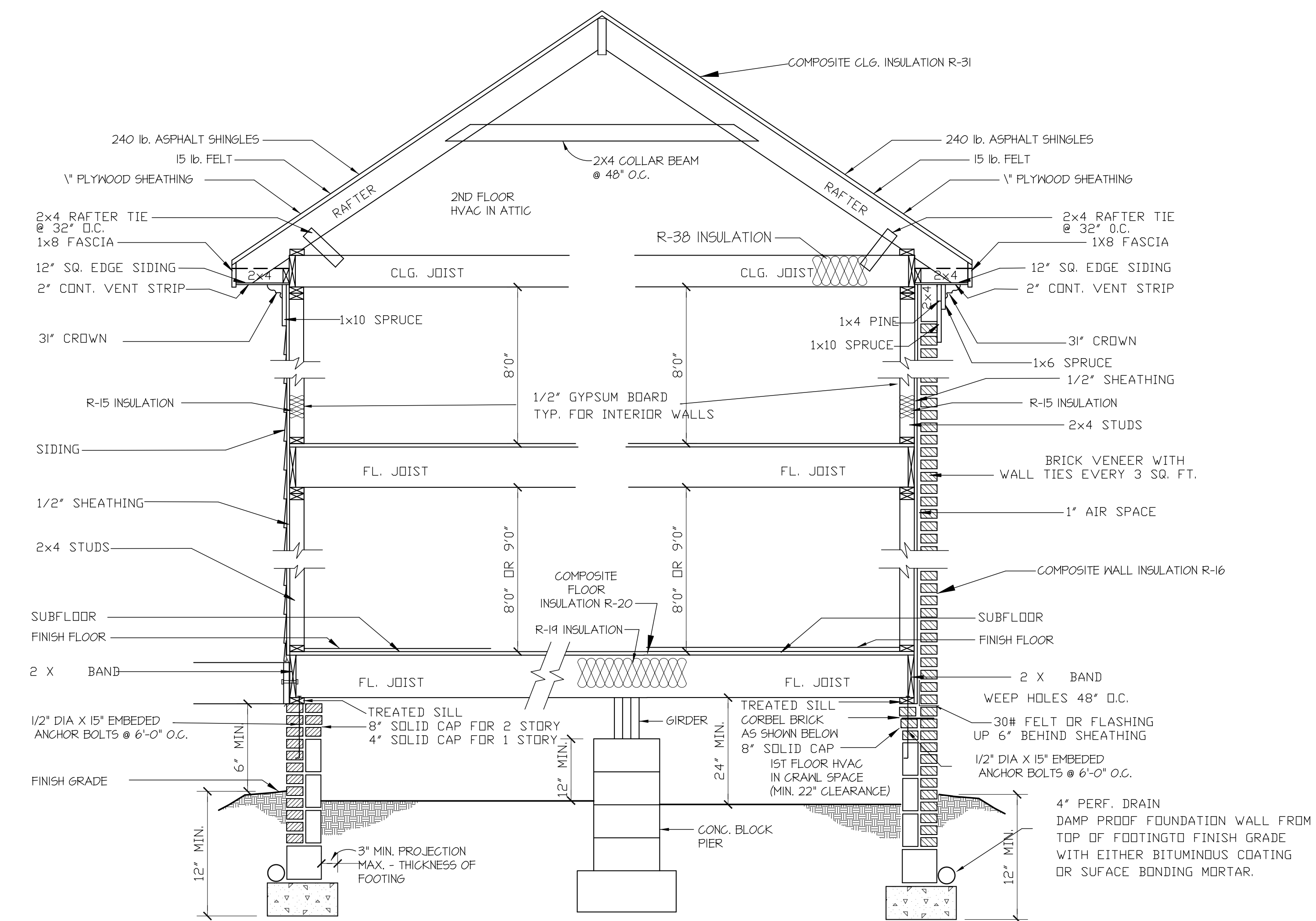
**2**  
 OF  
**3**

**PLAN NO.**  
**DK2017**



4\"/>

**SLAB FDN. DETAIL**  
SCALE: 1\"/>



**SIDING SECTION**

**BRICK SECTION**

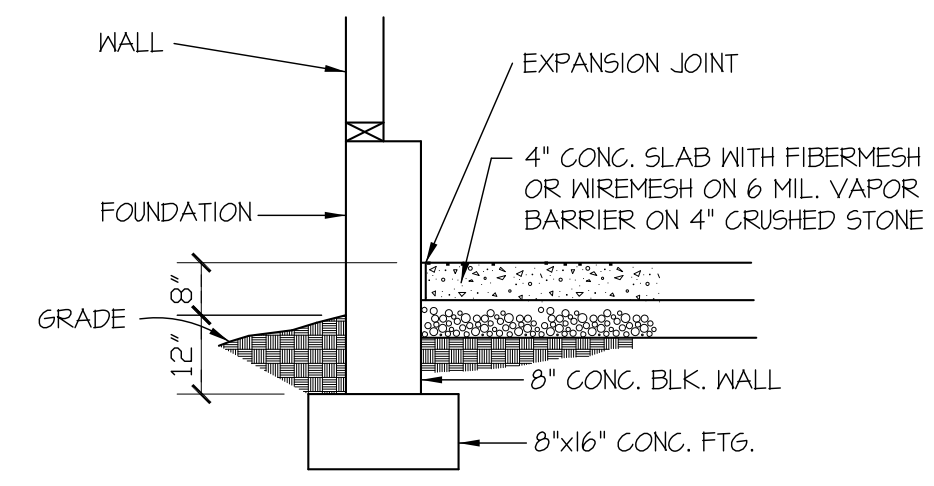
**WALL SECTION**  
SCALE: 1\"/>

**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.

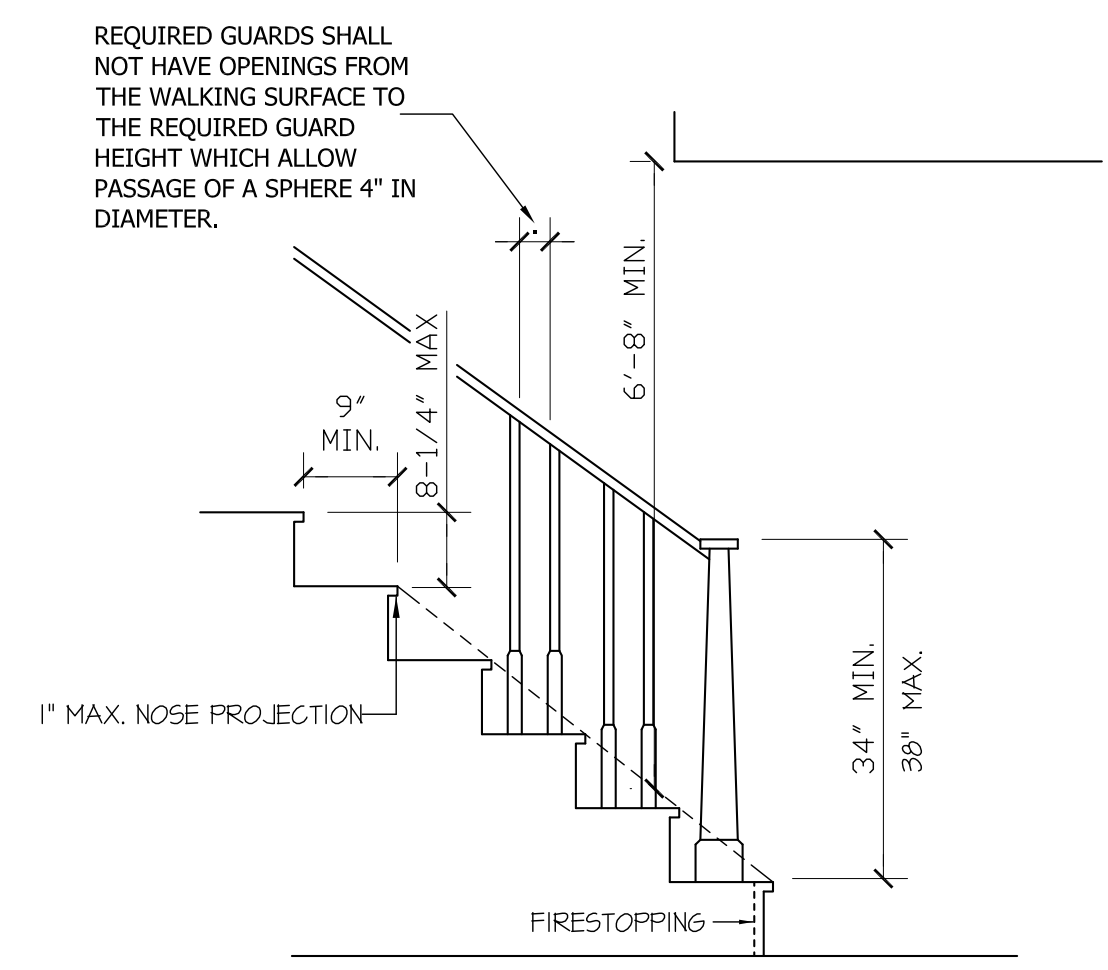
**ROOF VENTILATING REQUIREMENTS**  
 $\frac{1392}{150} = 9.28$  SQ. FT. REQ'D

**ROOF VENTILATING REQUIREMENTS**  
(POWER ROOF VENTILATOR REQUIRED)  
 $\frac{1392}{300} = 4.64$  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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8/12/20

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3

PLAN NO.  
DK2017

GENERAL FOUNDATION NOTES:

1. THIS PLAN DESIGNED IN ACCORDANCE WITH THE NORTH CAROLINA RESIDENTIAL BUILDING CODE, 2018 EDITION.
2. EXTERIOR WALL FOOTING TO BE A MINIMUM OF 16" WIDE AND CONSTRUCTED WITH 3000 PSI CONCRETE. FOR FOUNDATION WALL HEIGHT, THICKNESS AND BACKFILL REQUIREMENTS REFER TO STATE AND LOCAL BUILDING CODES. THE ASSUMED SOIL BEARING CAPACITY FOR THIS PROJECT IS 2000 PSF. THE CONTRACTOR MUST VERIFY THE SITE CONDITIONS AND CONTACT A SOILS ENGINEER IF MARGINAL OR UNSTABLE SOILS ARE ENCOUNTERED.
3. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SUB-GRADE A MINIMUM OF 12" BELOW ADJACENT FINISHED GRADE OR AS OTHERWISE DIRECTED BY THE LOCAL INSPECTOR.
4. FOUNDATION DRAINAGE SHALL BE IN ACCORDANCE WITH SECTION R405 "FOUNDATION DRAINAGE" AND SECTION R406 "FOUNDATION WATERPROOFING AND DAMPPROOFING".
5. ANCHOR BOLTS SHALL BE 1/2" DIAMETER AND INSTALLED AT 12" ON CENTER AND 12" FROM EACH CORNER OR SILL PLATE SPICE LOCATIONS.

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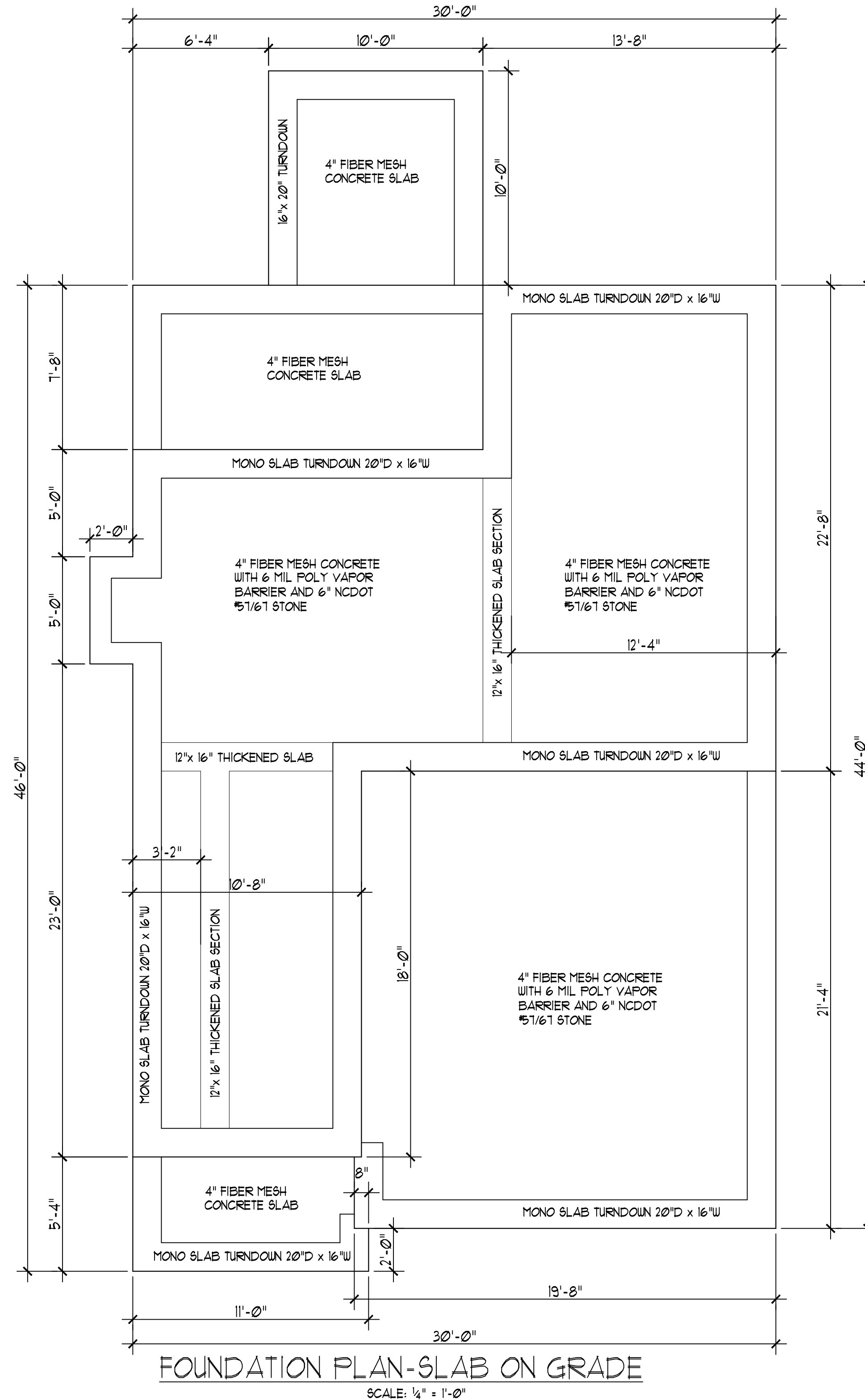
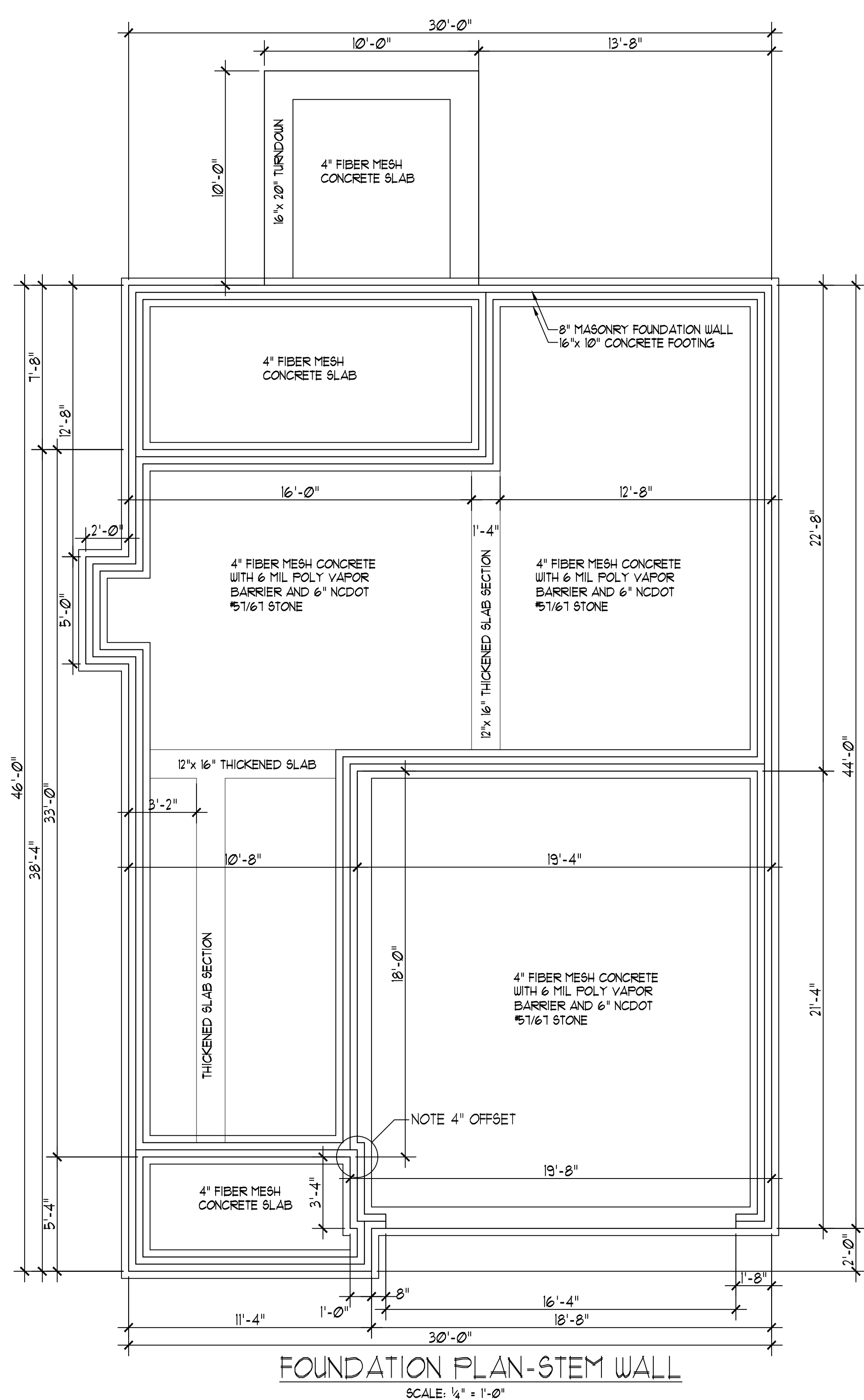
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9/15/2021

FILE: CROW-REV

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 THE CROWDER PLAN

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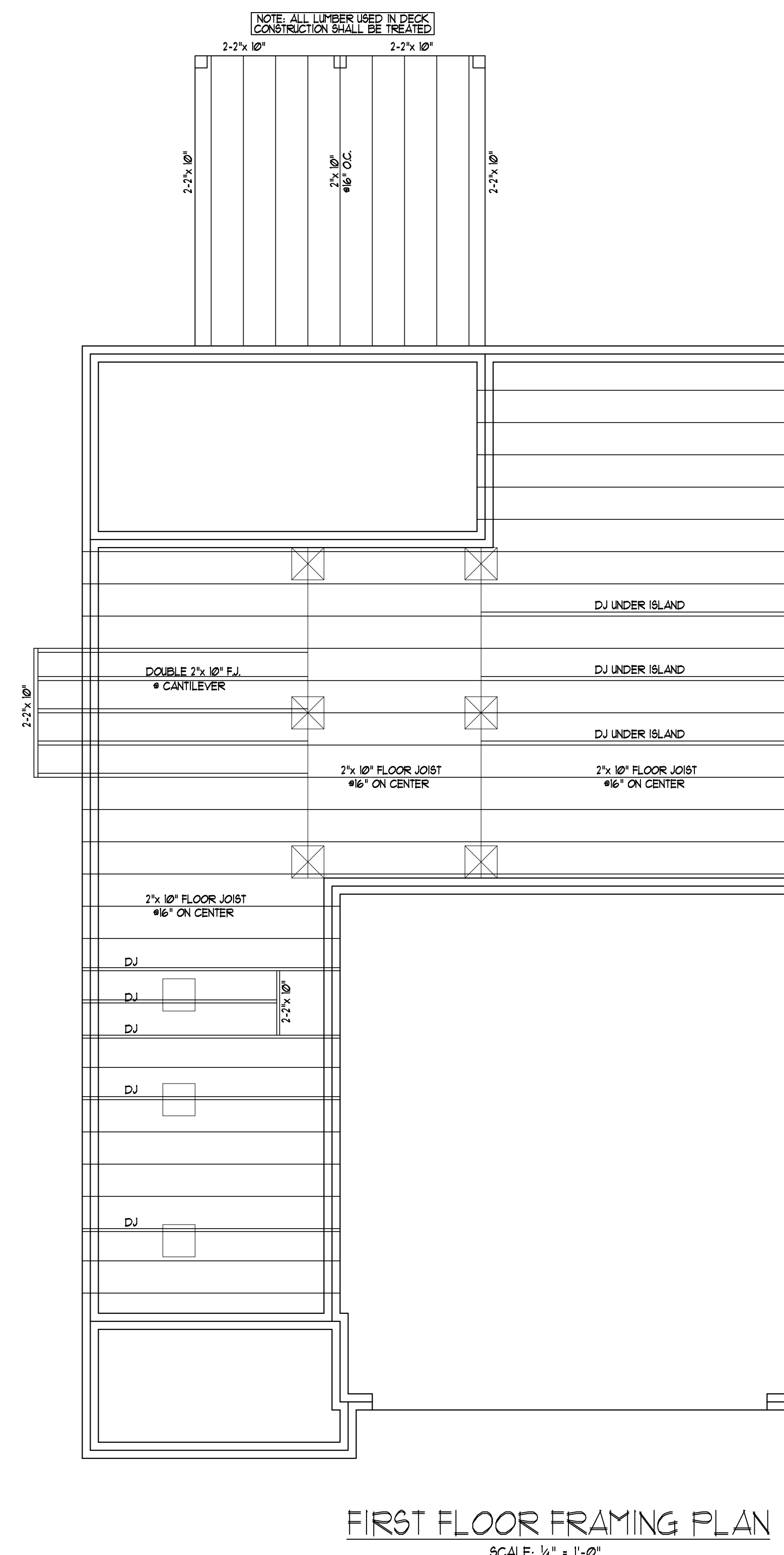
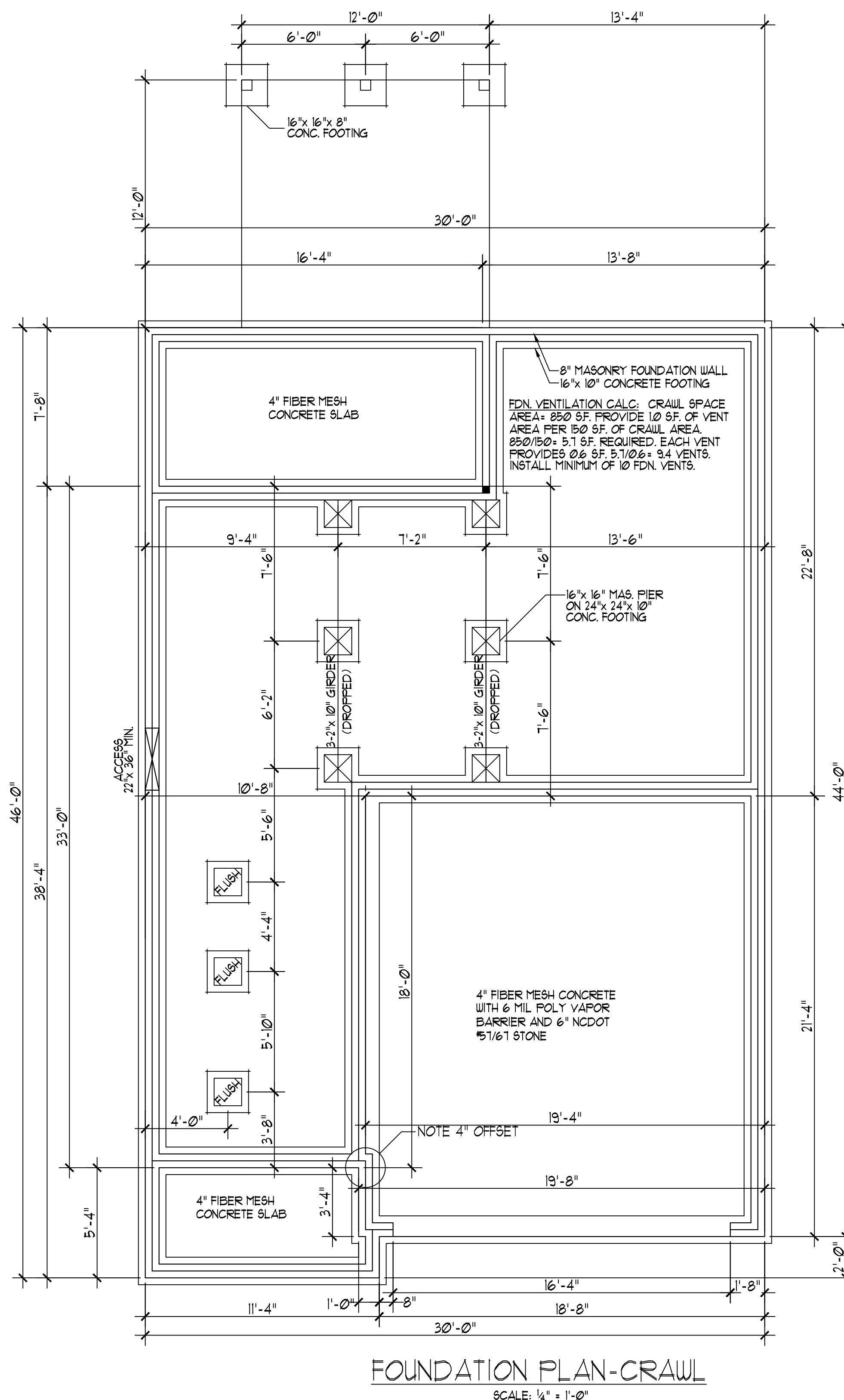
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TRIANGLE DEALS, LLC  
 THE CROWDER PLAN

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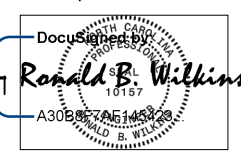


**GENERAL ROOF NOTES:**

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 2/12  
34.5 PSF FOR ROOF PITCHES FROM 2.25/12 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, 5FF, 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.

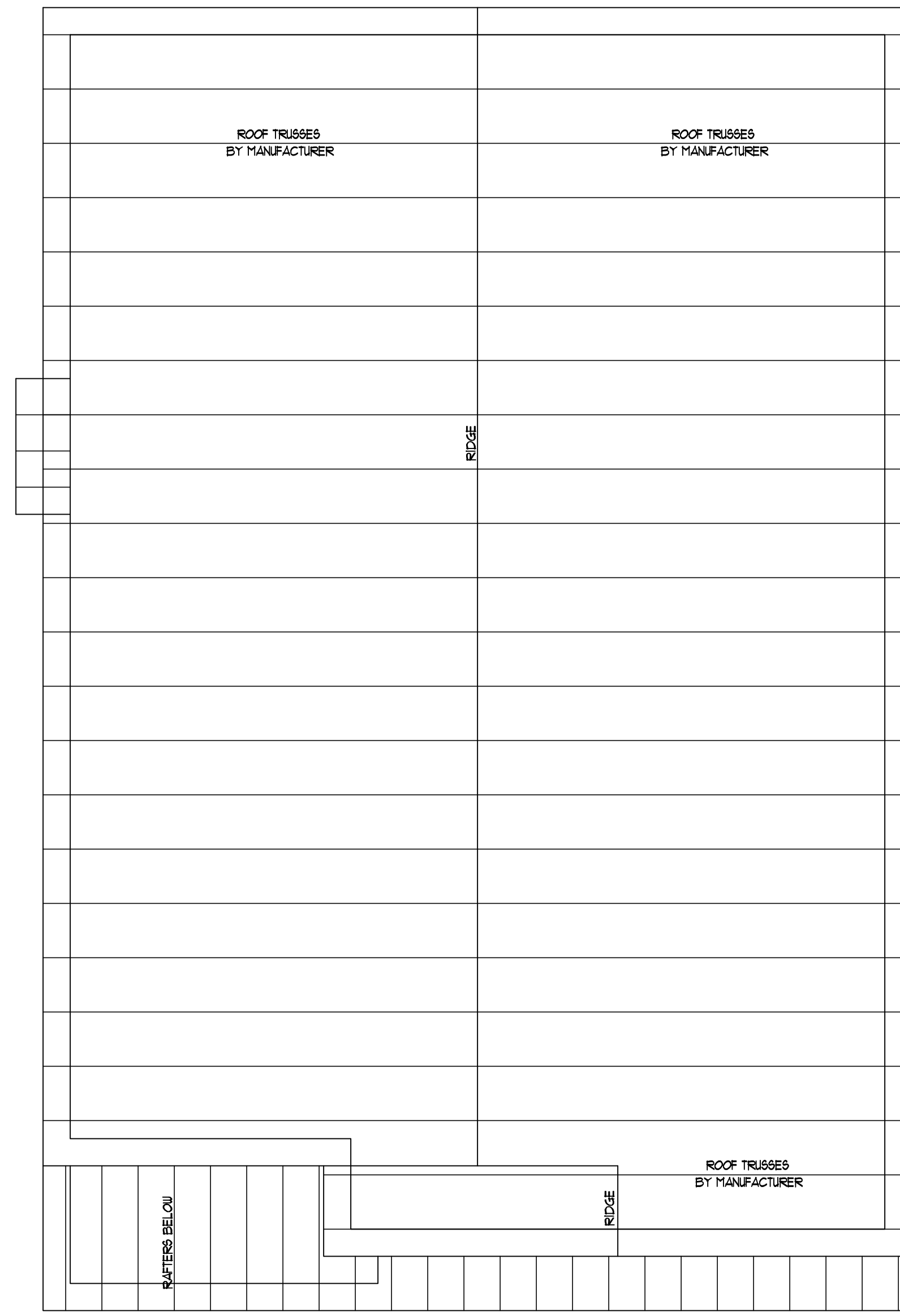
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ATTIC VENTILATION CALCULATION: ATTIC AREA  
 EQUALS 1265 SF WITH VENTILATION REQUIRED AT ONE SF  
 PER 300 SF OF CRAWL AREA (285 SF/250' x 428 SF OF VENT  
 AREA REQUIRED. PROVIDED FULL RIDGE VENT AT SOFFIT VENTS  
 IN PERIMETER OVERHANG.



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

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TRIANGLE DEALS, LLC  
 THE CROWDER PLAN  
 919.772.3540

Sheet No. 33

**GENERAL NOTES:**

- THIS PLAN IS DESIGNED IN ACCORDANCE WITH THE NORTH CAROLINA RESIDENTIAL BUILDING CODE, 2018 EDITION.
- WALL CLADDING IS DESIGNED FOR A POSITIVE/NEGATIVE PRESSURE OF NOT LESS THAN 241 PSF.
- ROOF CLADDING DESIGN VALUES (POSITIVE/NEGATIVE) SHALL BE AS FOLLOWS:  
 45 PSF FOR ROOF PITCHES FROM 0/12 TO 2/12  
 34.5 PSF FOR ROOF PITCHES FROM 2.25/12 TO 1/12  
 21.0 PSF FOR ROOF PITCHES FROM 1/12 TO 0/12  
 MEAN ROOF HEIGHT FOR THIS STRUCTURE IS 10'
- 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)).
- 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 L/260 FOR FLOORS, L/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	1
6'-0"	3	2
12'-0"	5	3
16'-0"	6	4

7. ALL LUMBER USED FOR JOISTS AND RAFTERS SHALL BE #1 SFF OR BETTER LUMBER  
 USED FOR STUD WALL SHALL BE #2 SFF 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 USF  
 SHALL BE IN ACCORDANCE WITH R-602.10.3 AND SHALL BE COVERED WITH 1/2" GYPSUM  
 BOARD ON THE INTERIOR FACE. ALL USF 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.

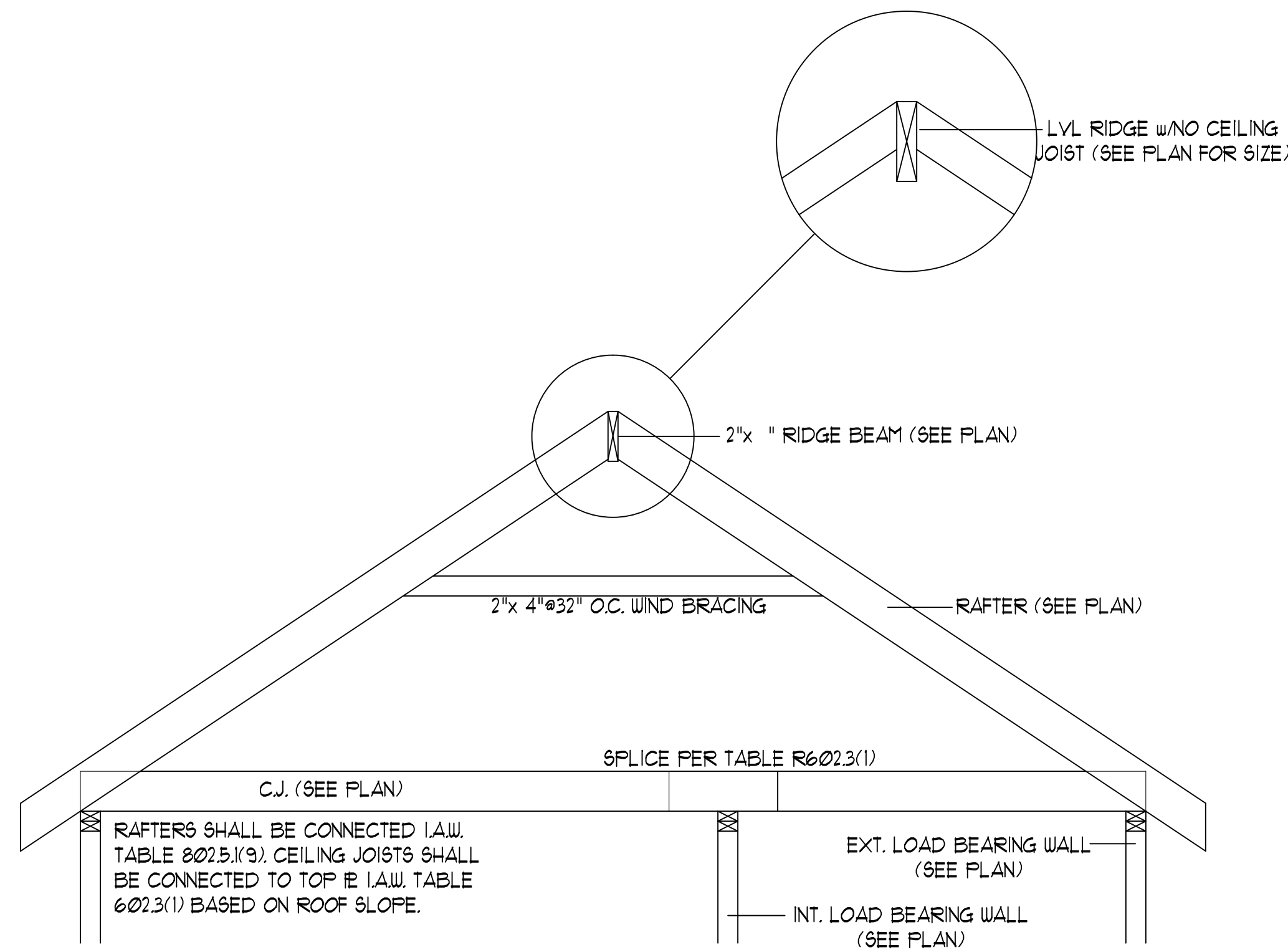
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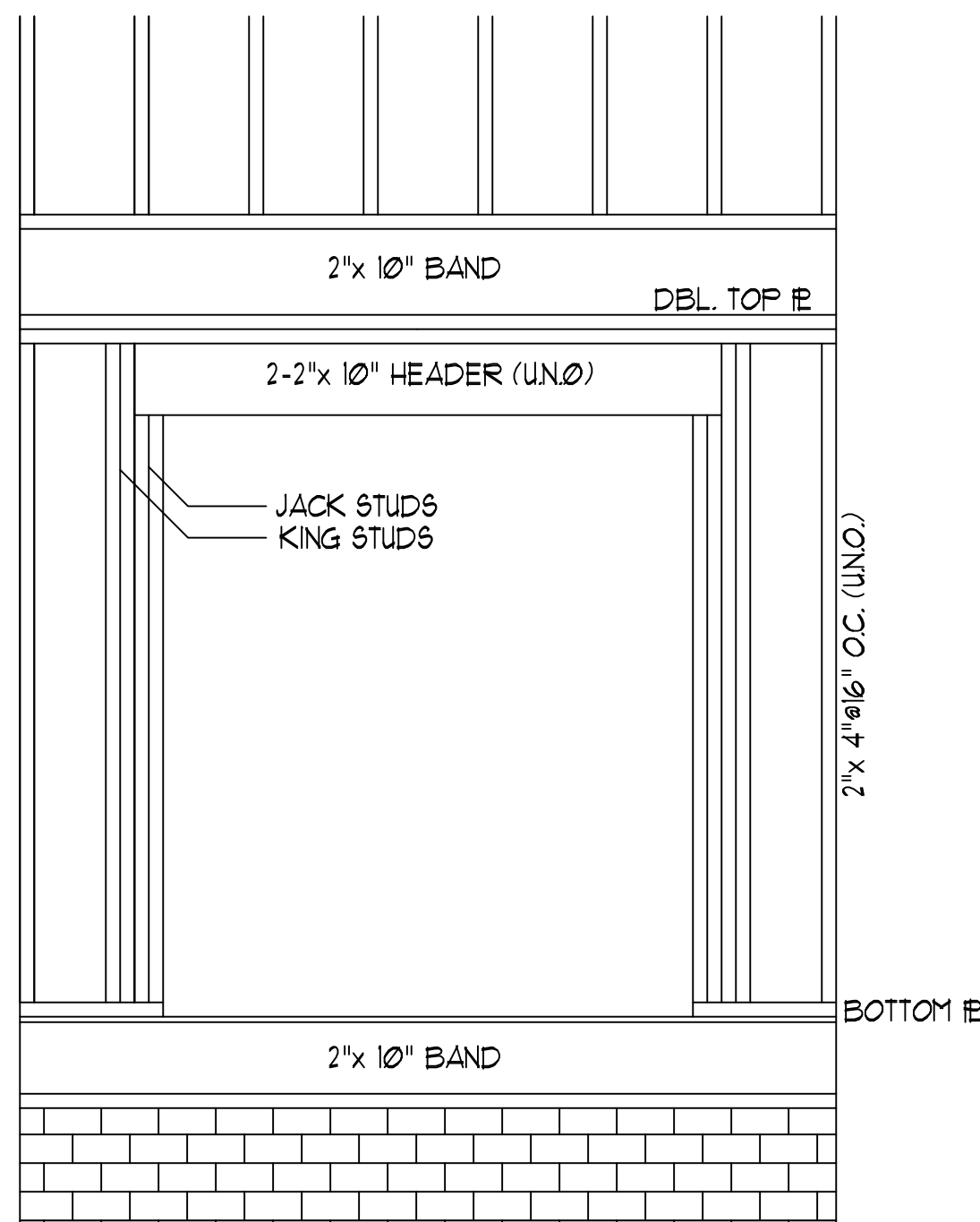
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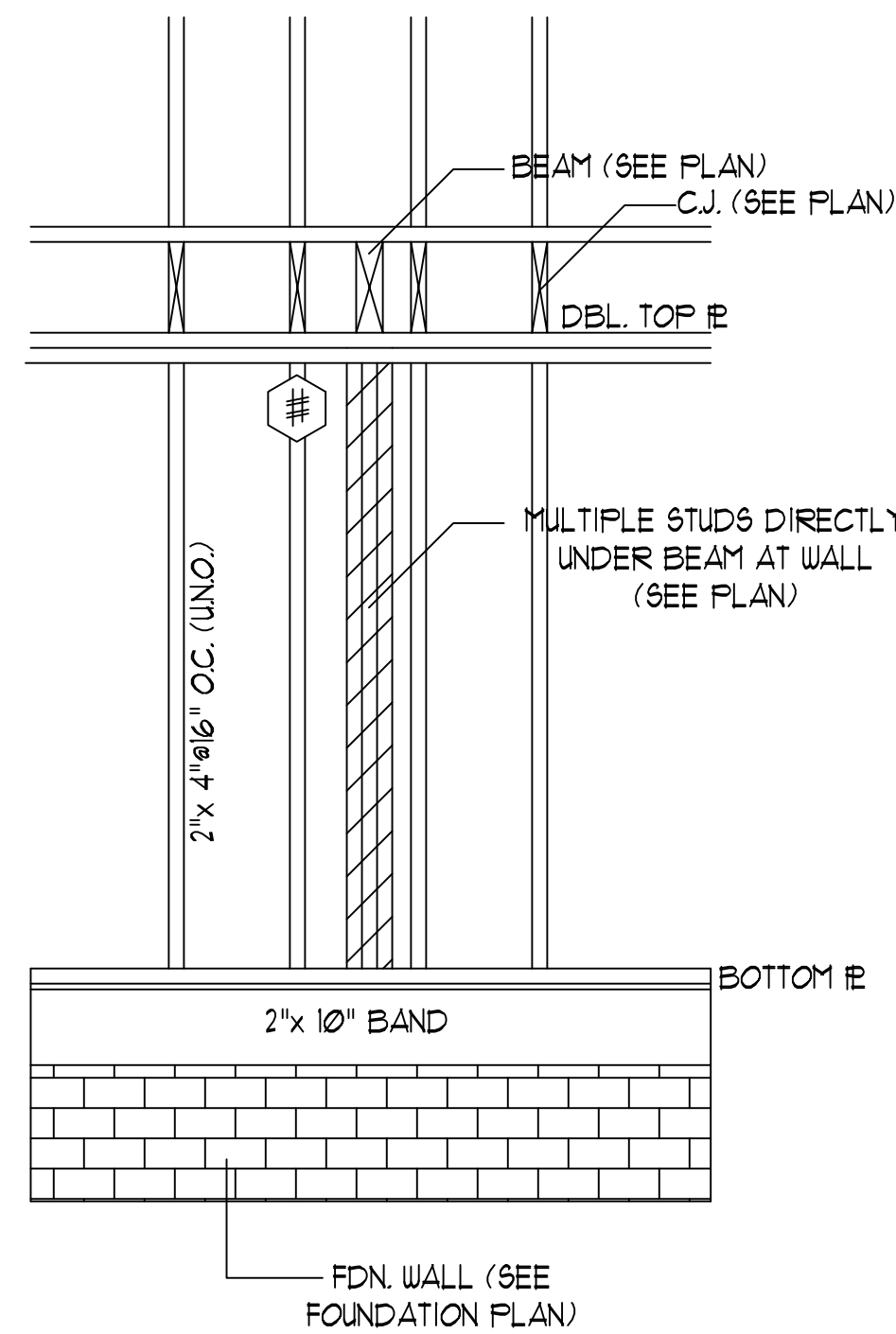
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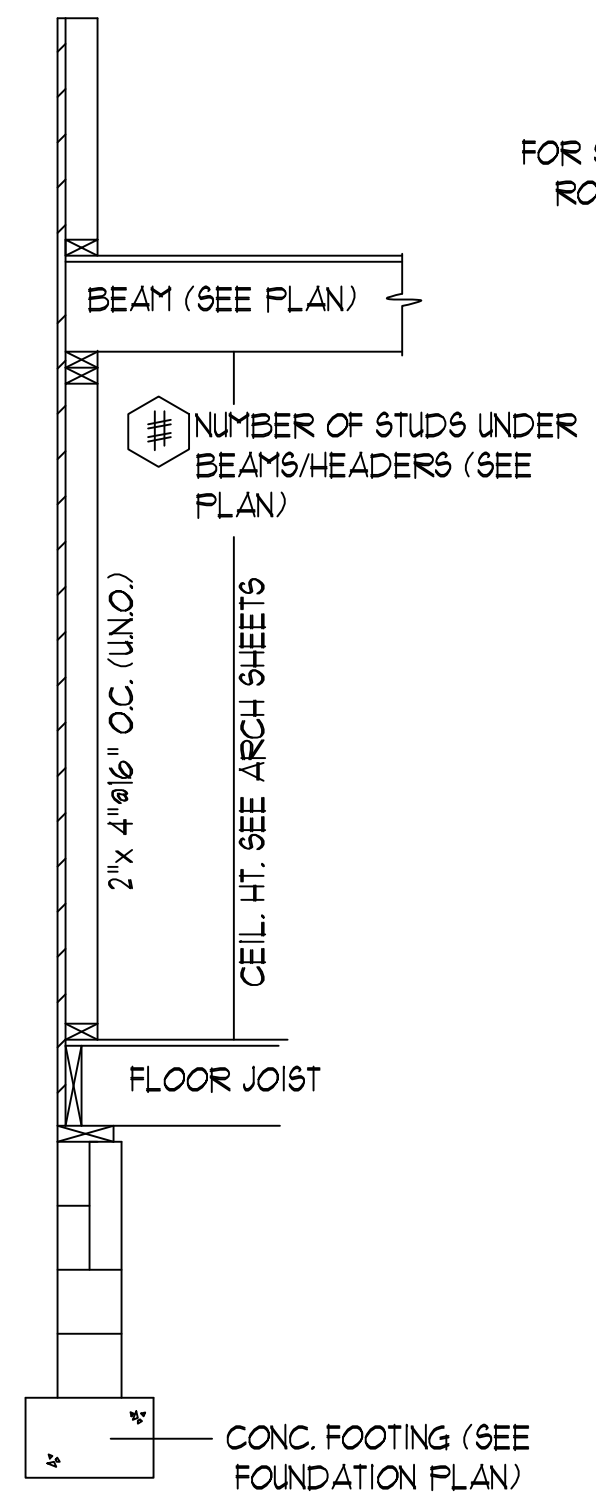
RIDGE BEAM/RAFTER  
 DETAIL (N.T.S)



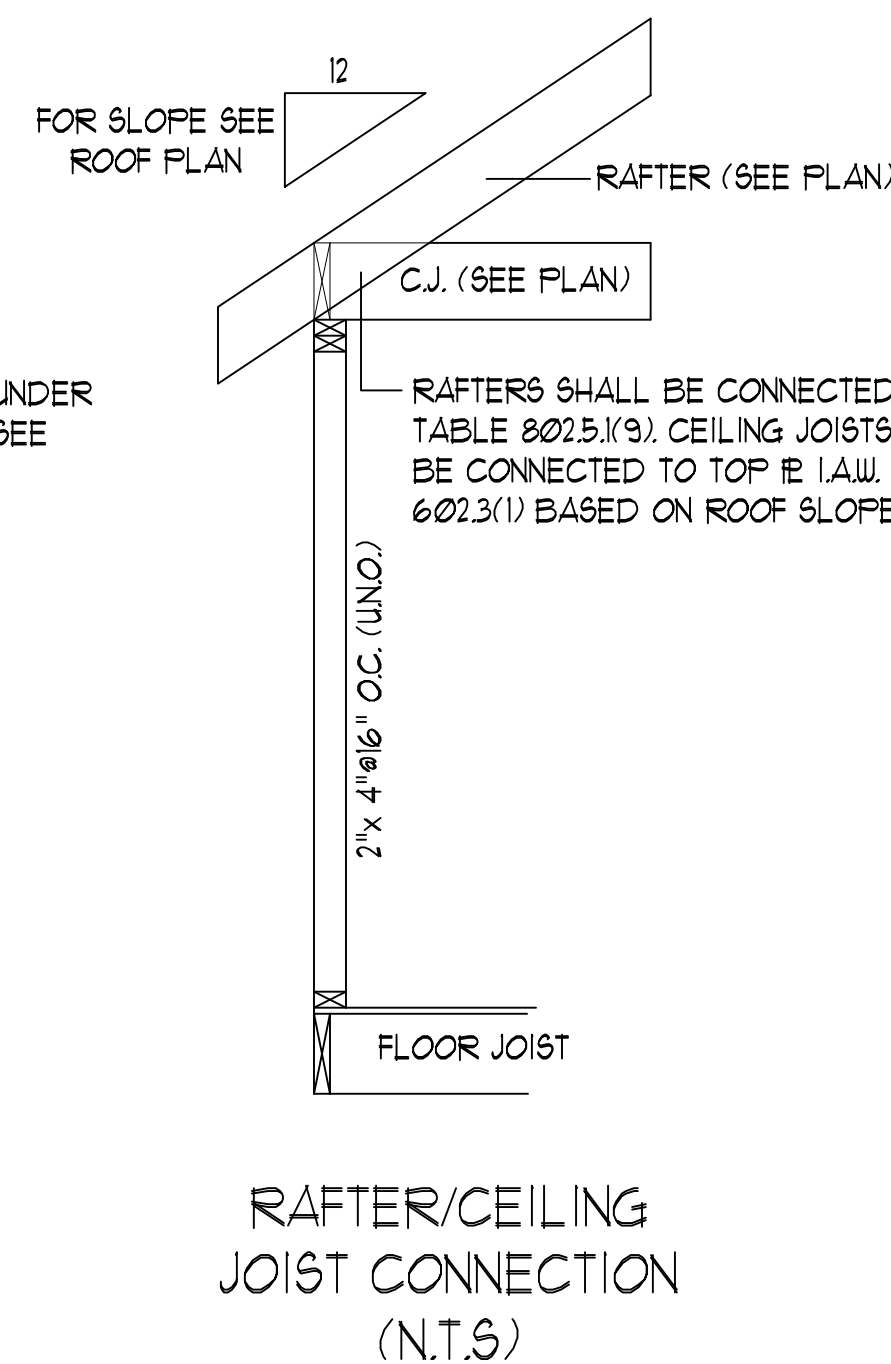
HEADER DETAIL AT EXT.  
 WALL OPENINGS (N.T.S)



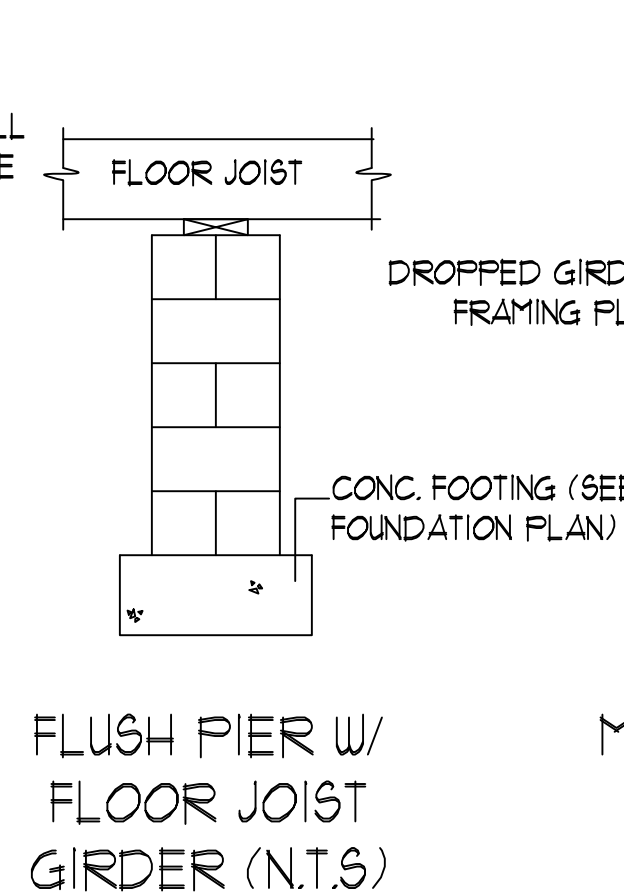
STUD SUPPORT FOR  
 BEAMS/HEADERS  
 (ELEV. N.T.S)



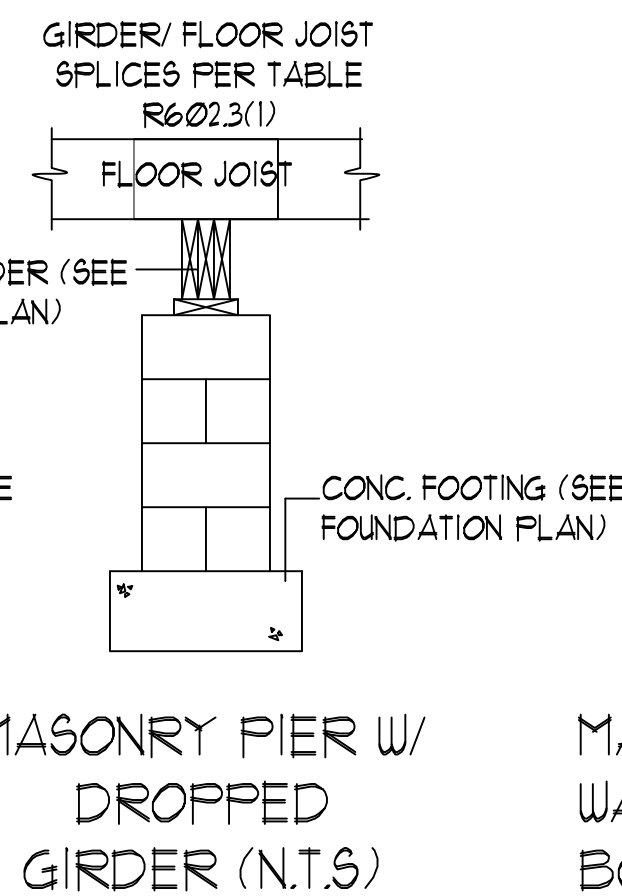
STUD SUPPORT FOR  
 BEAMS/HEADERS  
 (SECT. N.T.S)



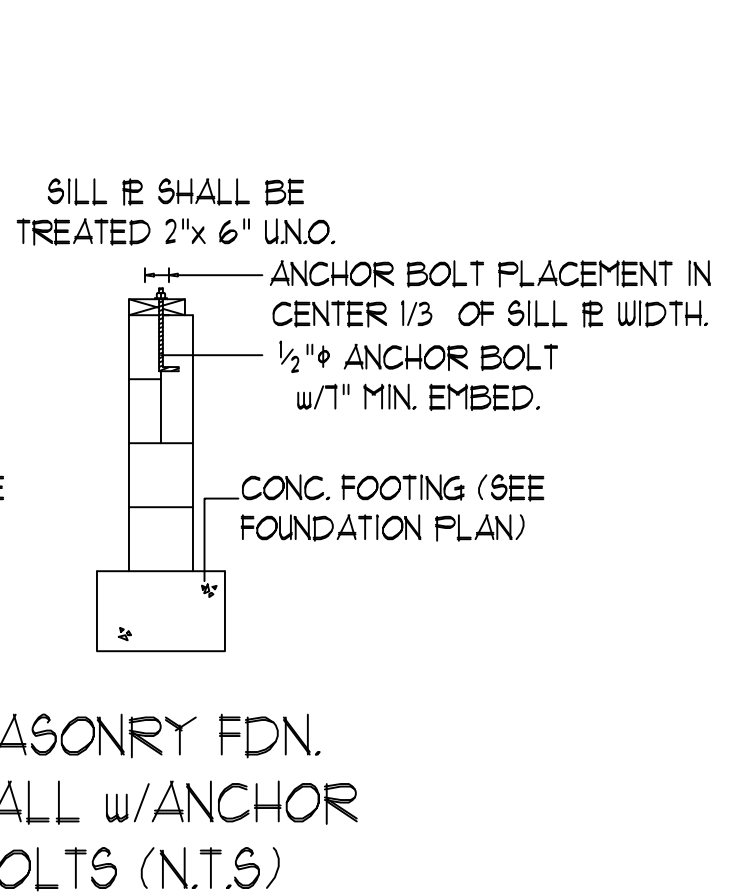
RAFTER/CEILING  
 JOIST CONNECTION  
 (N.T.S)



FLUSH PIER W/  
 FLOOR JOIST  
 GIRDER (N.T.S)



MASONRY PIER W/  
 DROPPED  
 GIRDER (N.T.S)



MASONRY FDN.  
 WALL w/ANCHOR  
 BOLTS (N.T.S)

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 CONSENT OF THE ENGINEER. IT IS EXPRESSLY  
 PROHIBITED.

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TRIANGLE DEALS, LLC  
 THE CROWDER PLAN

Sheet No.

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