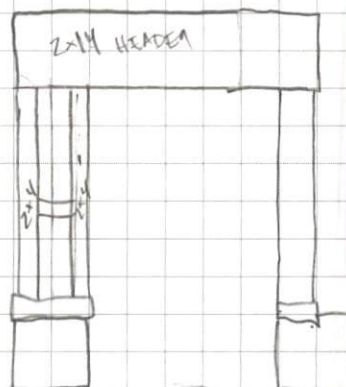
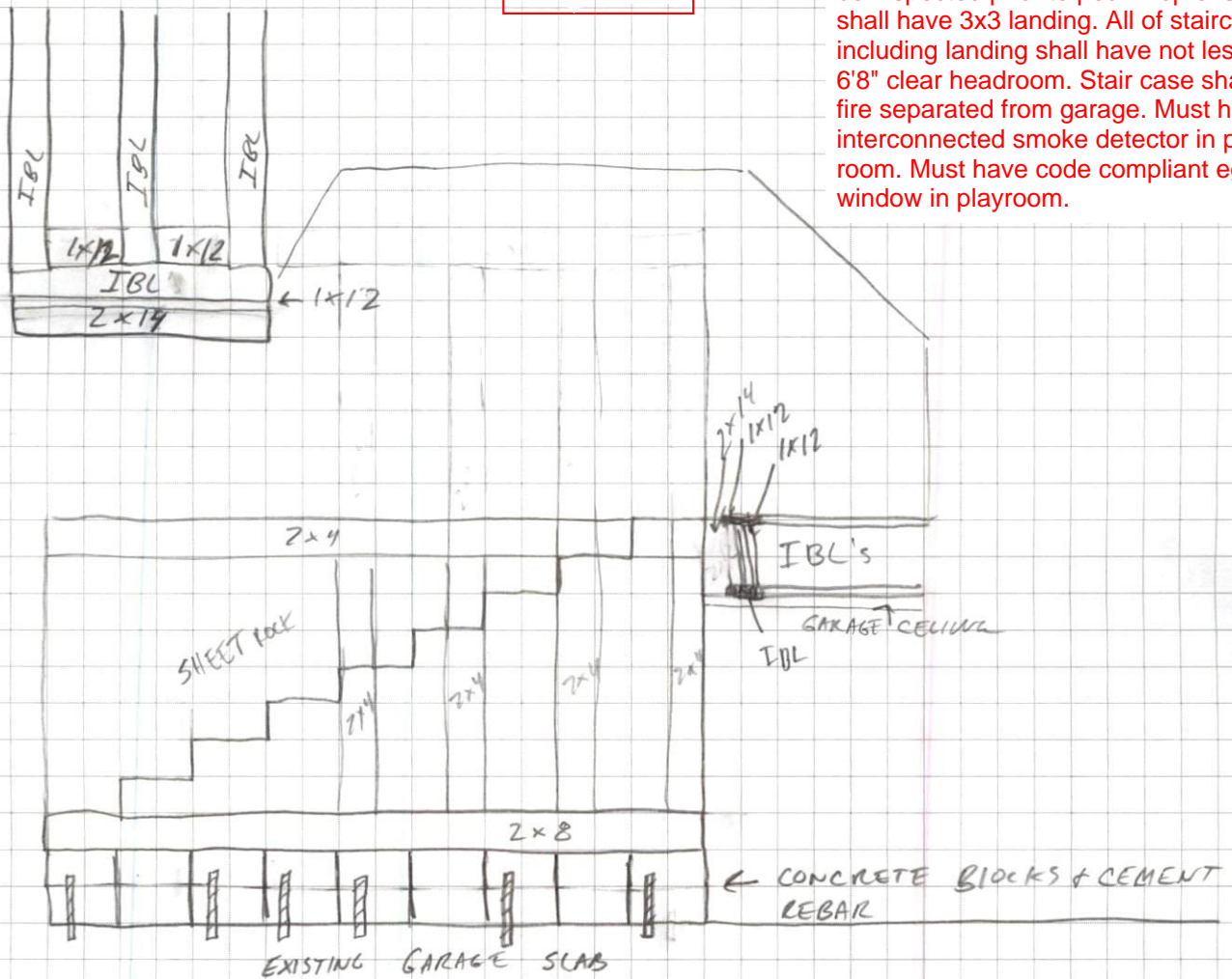
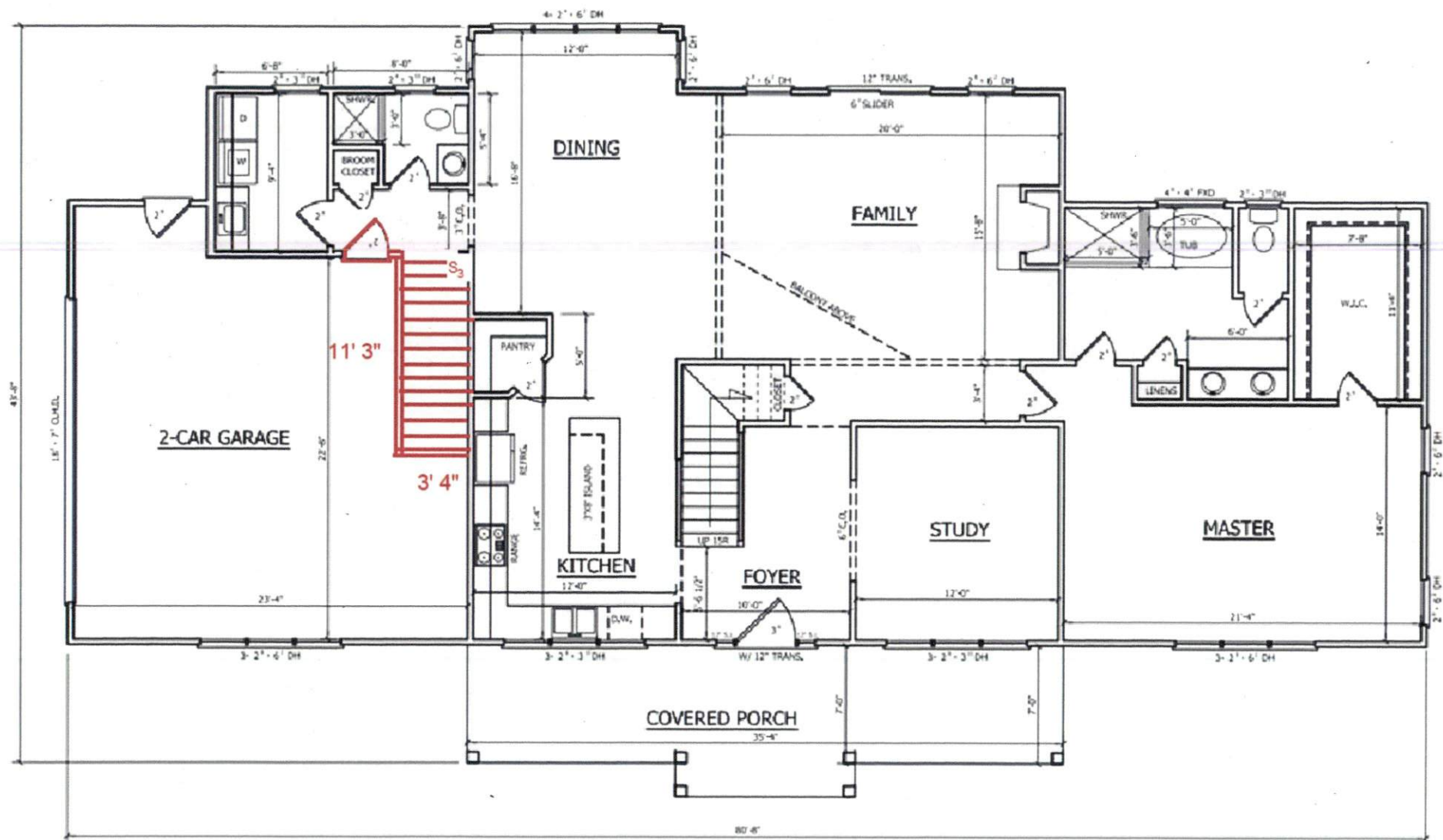
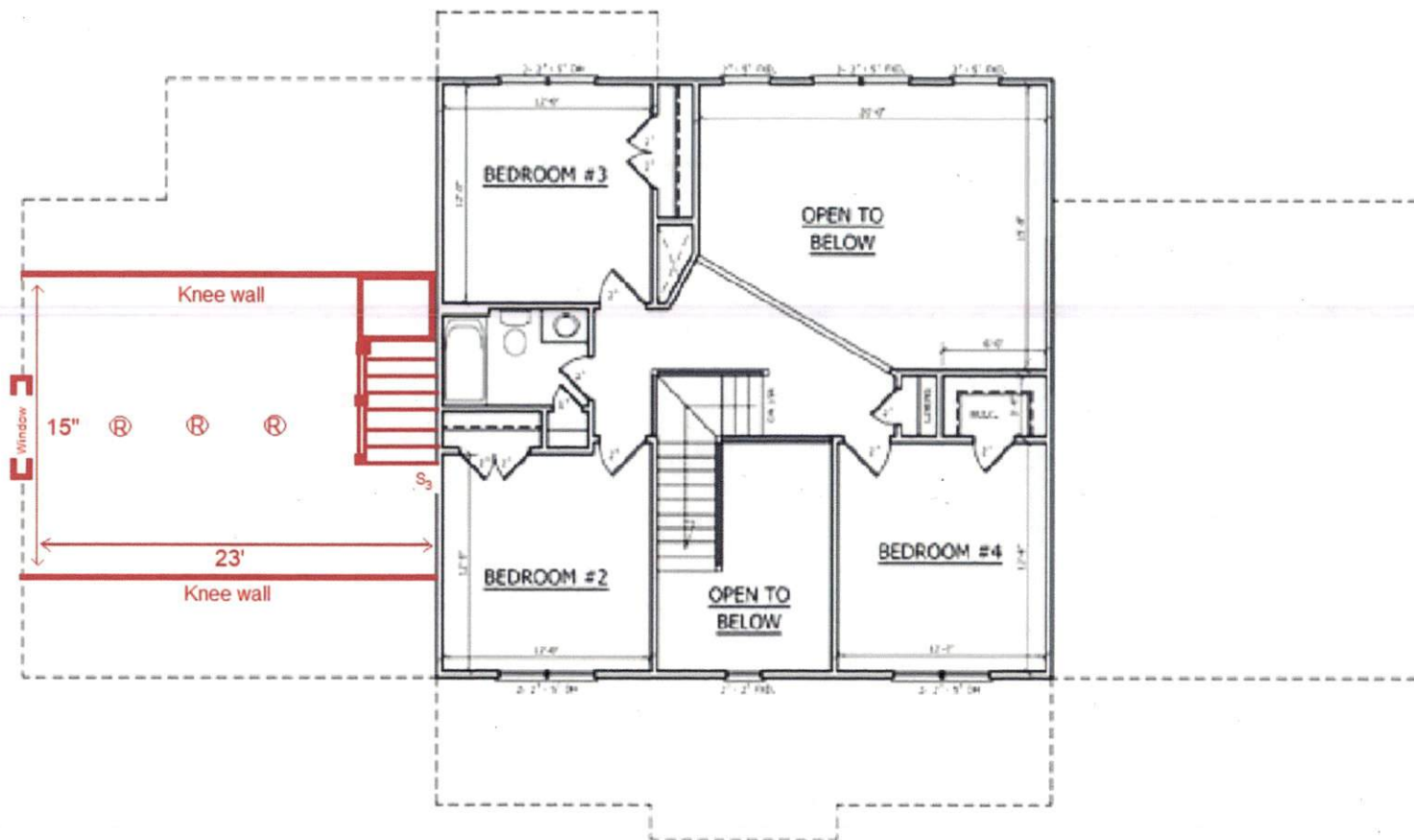
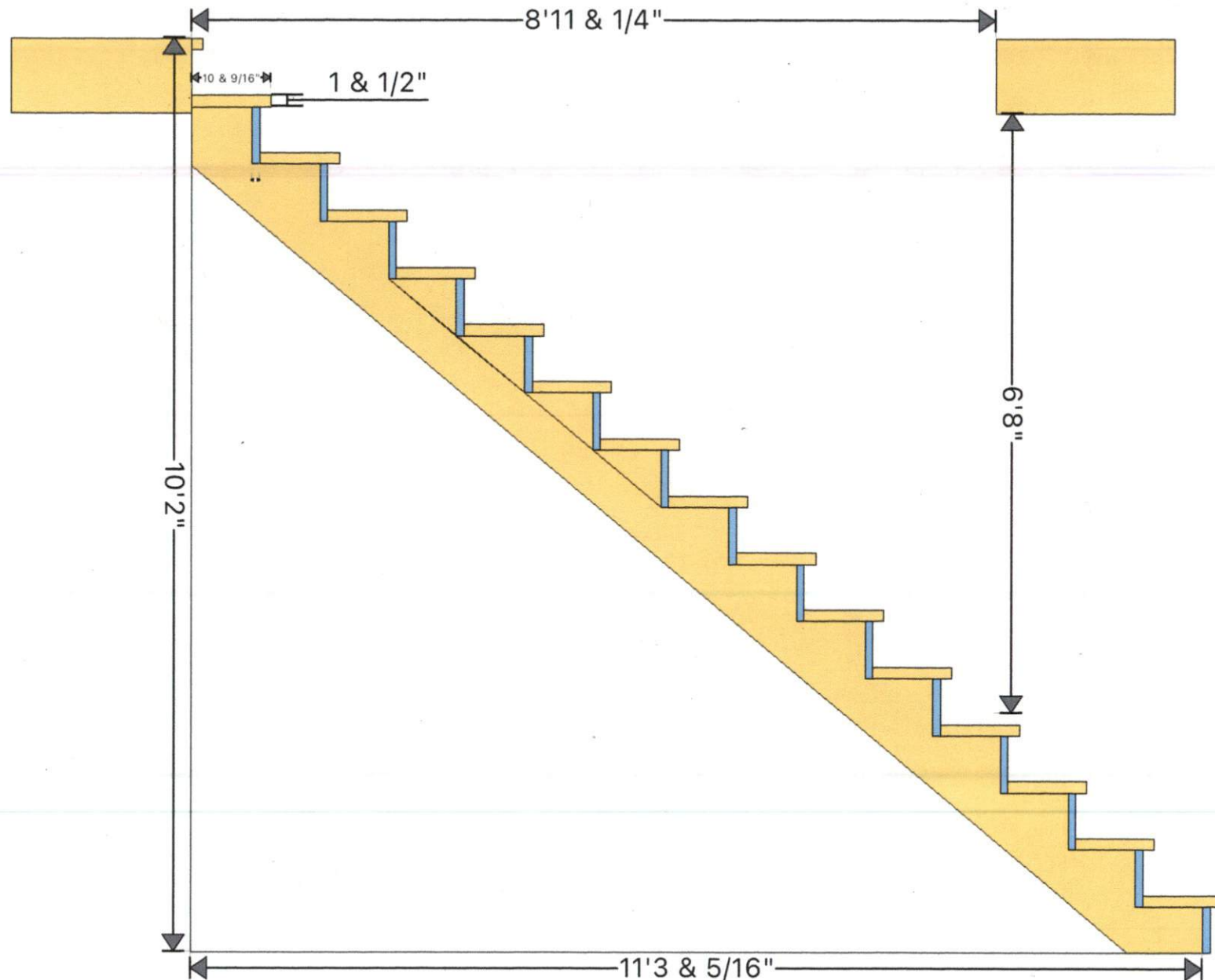


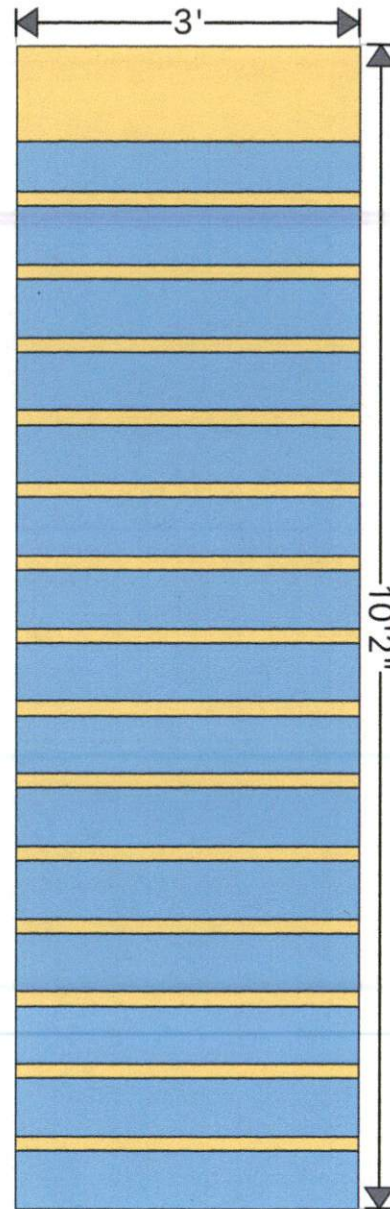
Install code complaint footings in existing slab to support header. Cut joists shall be attached to header with proper I joist hangers. Footing for beam support must be inspected prior to pour. Top of stairs shall have 3x3 landing. All of staircase including landing shall have not less than 6'8" clear headroom. Stair case shall be fire separated from garage. Must have interconnected smoke detector in play room. Must have code compliant egress window in playroom.

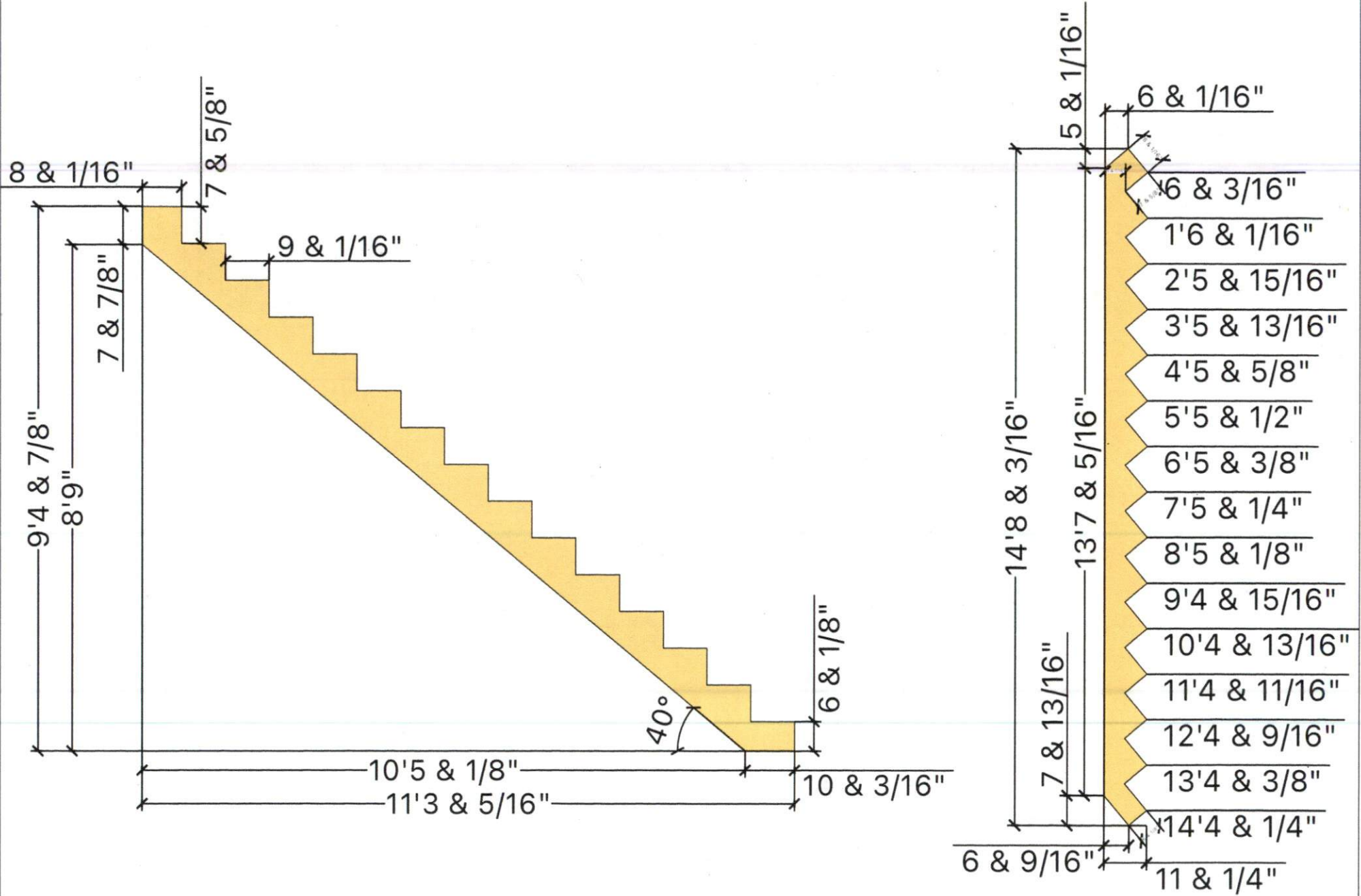


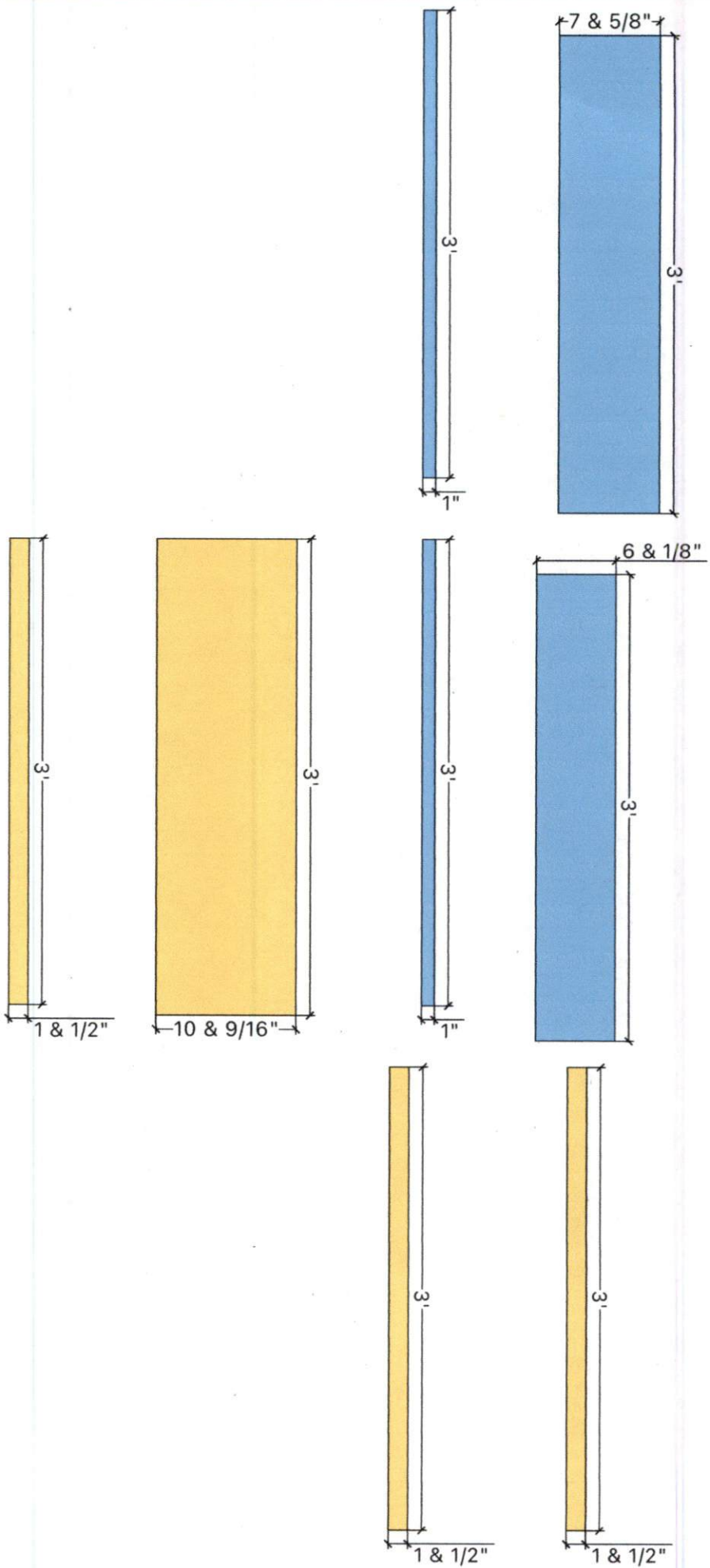


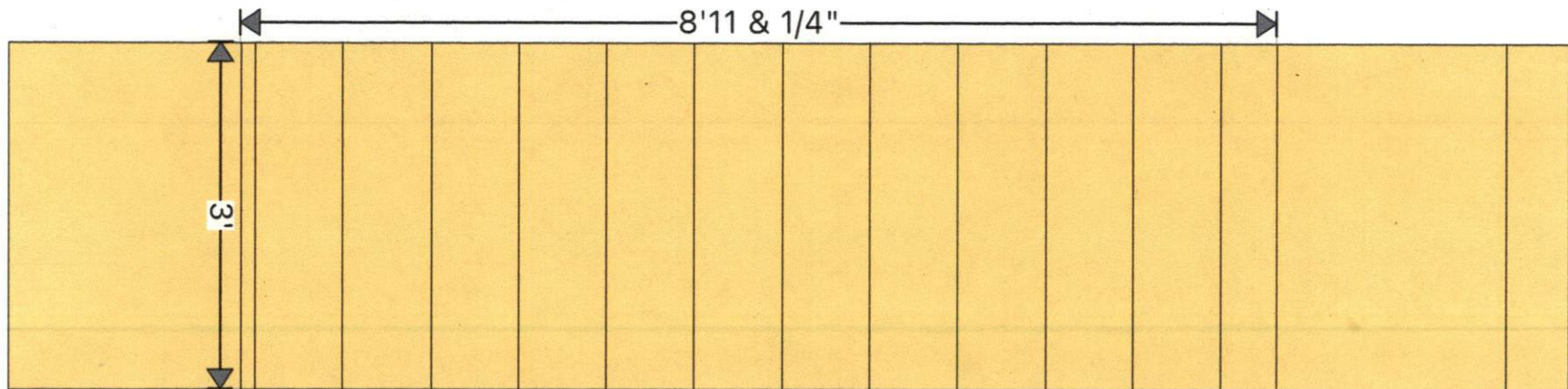


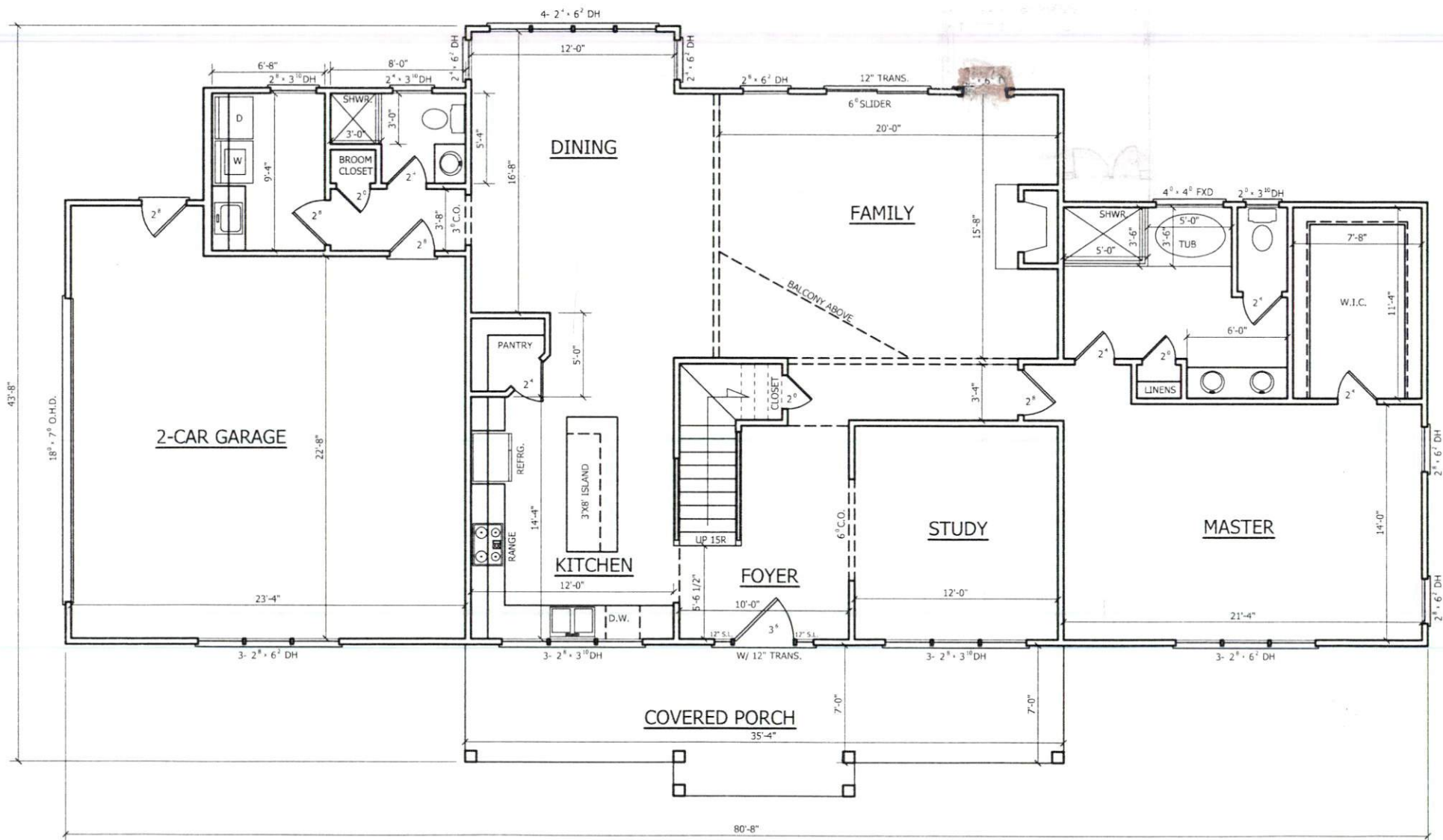




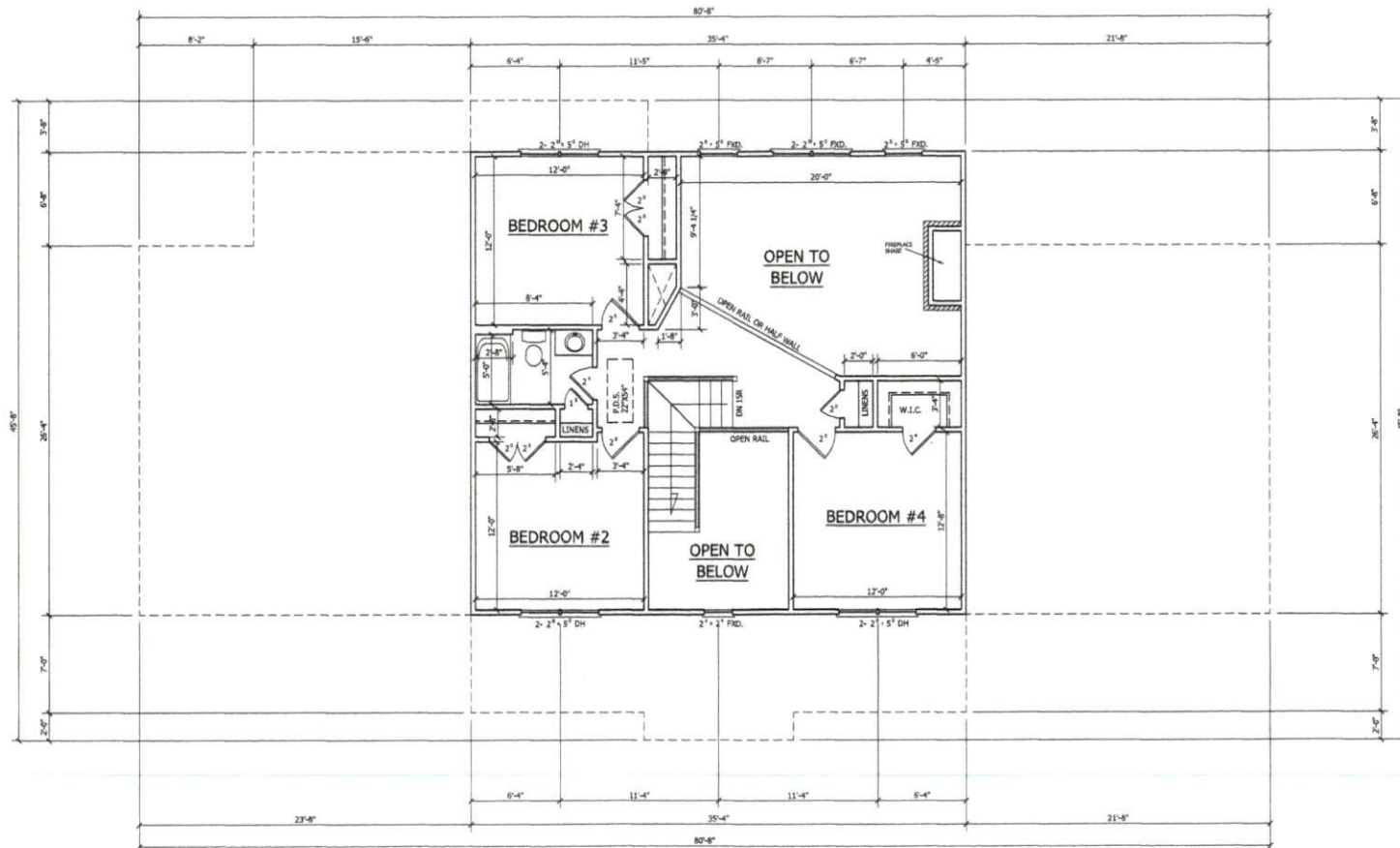








TJI Floor joist
3'8"
cut 2 TJI and
header off
for ac



SECOND FLOOR PLAN
SCALE: 1/4"=1'-0"
8'-0" C.L.S. HGT.
SET WINDOWS AT 6'-8" A.F.F.

TRIANGLE DEALS, LLC
"THE DRAIME"



ANGIER, NC
919-369-7181

DRAWN BY:
D.W.O.

DATE:
3/26/21

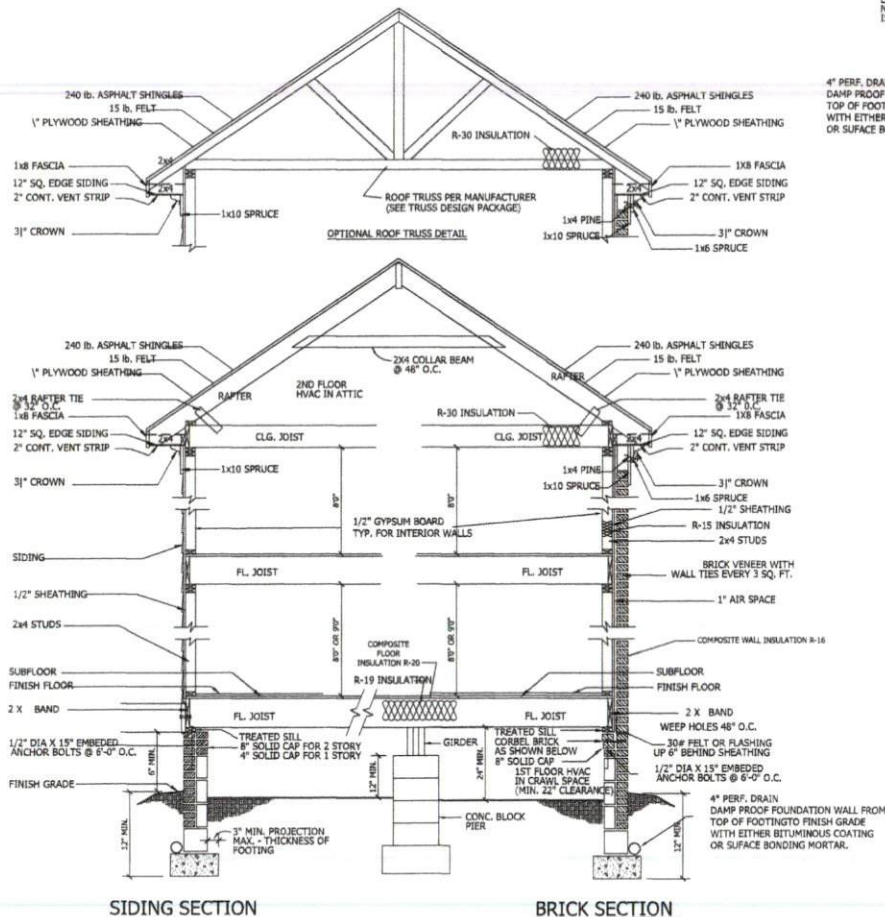
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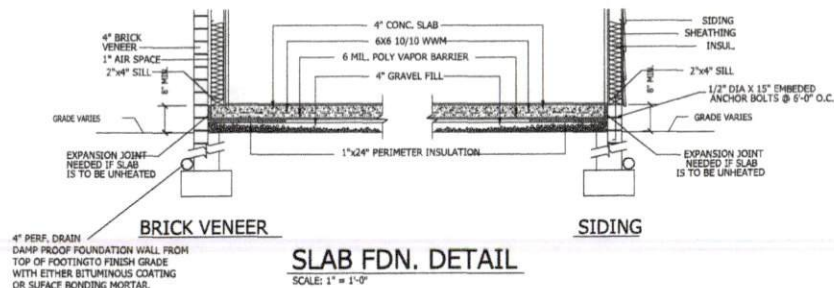
OF

4

PLAN NO.
DK2618



WALL SECTION
SCALE: 1" = 1'-0"



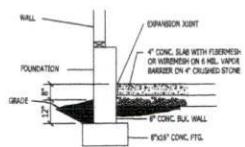
SLAB FDN. DETAIL
SCALE: 1" = 1'-0"

CRAWL SPACE VENTILATION
PROVIDE AT LEAST 1.0 SQ. FT. NET FREE VENTILATION AREA FOR EACH 100 SQ. FT. OF CRAWL SPACE.
CRAWL SPACE AREA = 1538 SQ. FT.
1538 / 100 = 15.38 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.

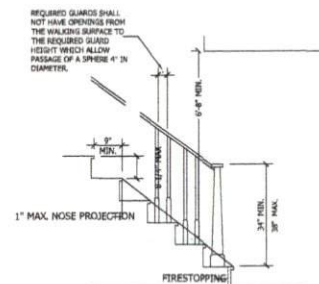
ROOF VENTILATING REQUIREMENTS
 $\frac{772}{100} = 7.72 \text{ SQ. FT. REQ'D}$

ROOF VENTILATING REQUIREMENTS
(POWER ROOF VENTILATOR REQUIRED)
 $\frac{772}{100} = 7.72 \text{ SQ. FT. REQ'D}$

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

TRIANGLE DEALS, LLC
"THE DRAIME"



ANGIER, NC
919-369-7181

DRAWN BY:
D.W.O.

DATE:
3/26/21

PAGE NO

4

OF
4

PLAN NO.
DK2618

1. THIS PLAN DESIGNED IN ACCORDANCE WITH THE NORTH CAROLINA
RESIDENTIAL BUILDING CODE 2018 EDITION.

- RESIDENTIAL BUILDING CODE, 2006 EDITION:
2. EXTERIOR WALL FOOTING SHALL BE A MINIMUM OF 18" WIDE AND CONSTRUCTED WITH 3000 PSI CONCRETE. REQUIREMENTS FOR FOUNDATION WALL HEIGHT, THICKNESS AND BACKFILL REQUIREMENTS REFER TO STATE AND LOCAL BUILDING CODES.1. ASSUMED SOIL BEARING CAPACITY FOR THIS PROJECT IS 10000 PSF. THE CONTRACTOR MUST VERIFY THE SITE CONDITIONS AND CONTACT A SOILS ENGINEER IF MARGINAL OR UNSTABLE SOILS ARE ENCOUNTERED.
3. FOOTING SHALL BE 12" DEEP AND REINFORCED SUB-BELOW 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".
5. ANCHOR BOLTS SHALL BE 1/2" DIAMETER AND INSTALLED AT 12" ON CENTER AND 18" FROM EACH CORNER OR BOLT PLATE SPICE LOCATIONS.

STRUCTURAL EVALUATION BY.

WILKINS ENGINEERING, P.C.
Post Office Box 37446
Raleigh, North Carolina 27627

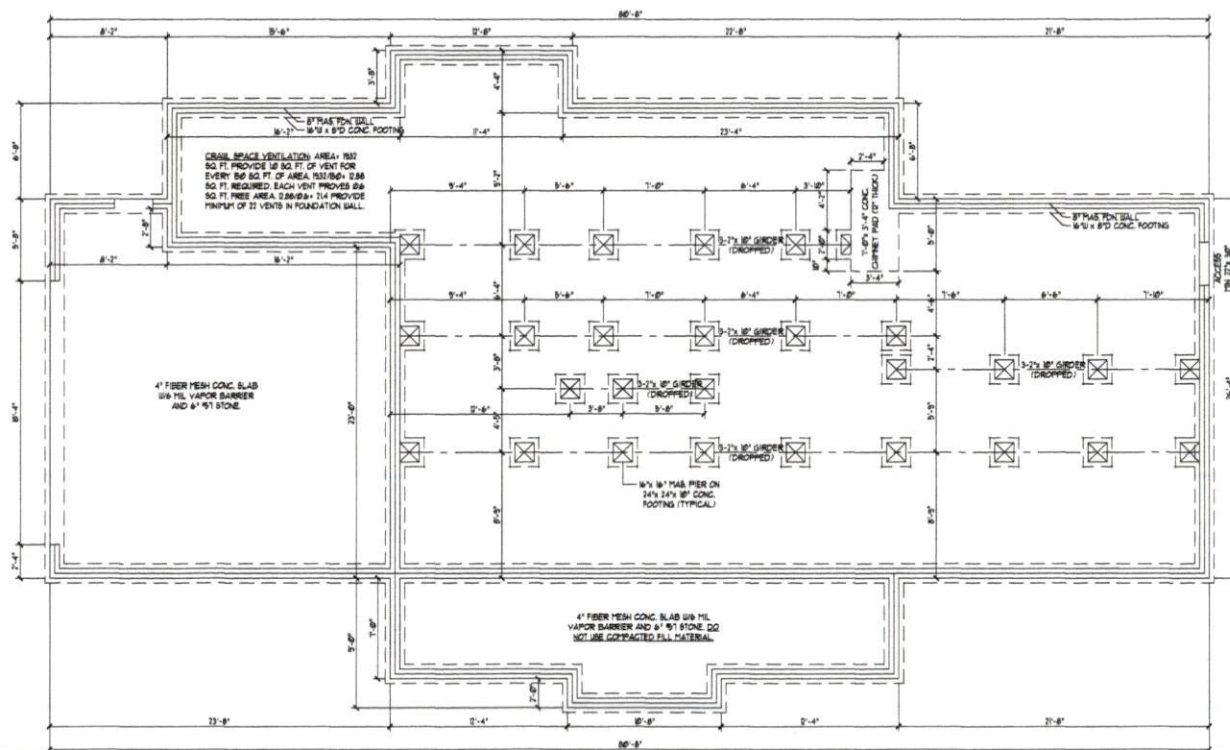

 Special Agent in Charge
 Ronald E. Wilson
 January 1978

FILE: DRAME

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FOUNDATION PLAN-CRAWL
SCALE 1/4" = 1'-0"

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Post Office Box 37446
Raleigh, NC 27627

TRIANGLE DEALS, LLC
THE DRAIME PLAN

Sheet No.

Si

1. THIS PLAN SHALL BE SUBMITTED IN ACCORDANCE WITH THE NORTH CAROLINA RESIDENTIAL BUILDING CODE 2006 EDITION.

2. ROOF GLACING DESIGN VALUES (POINT-TO-POINT) SHALL BE AS FOLLOWS:

45 PSF FOR ROOF PITCHES FROM 6/12 TO 12/12

34 PSF FOR ROOF PITCHES FROM 12/12 TO 18/12

21 PSF FOR ROOF PITCHES FROM 15/12 TO 18/12

PEAK ROOF HEIGHT FOR THIS STRUCTURE IS 8'

3. ALL ROOFING ELEMENTS SHALL MEET THE REQUIREMENTS OF CHAPTER 8 OF THE BUILDING CODE.

4. ALL GUTTER SHALL BE 6" S.P. 1/2" OR BETTER.

5. THIS ROOF AND STRUCTURE ARE DESIGNED FOR A DESIGN WIND SPEED OF 95 MPH (THREE SECOND GUST).

6. ROOF TRIMMED (IF ANY) SHALL BE DESIGNED BY THE MANUFACTURER AND THE PROTECTIVE FINISH SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

STRUCTURAL EVALUATION BY

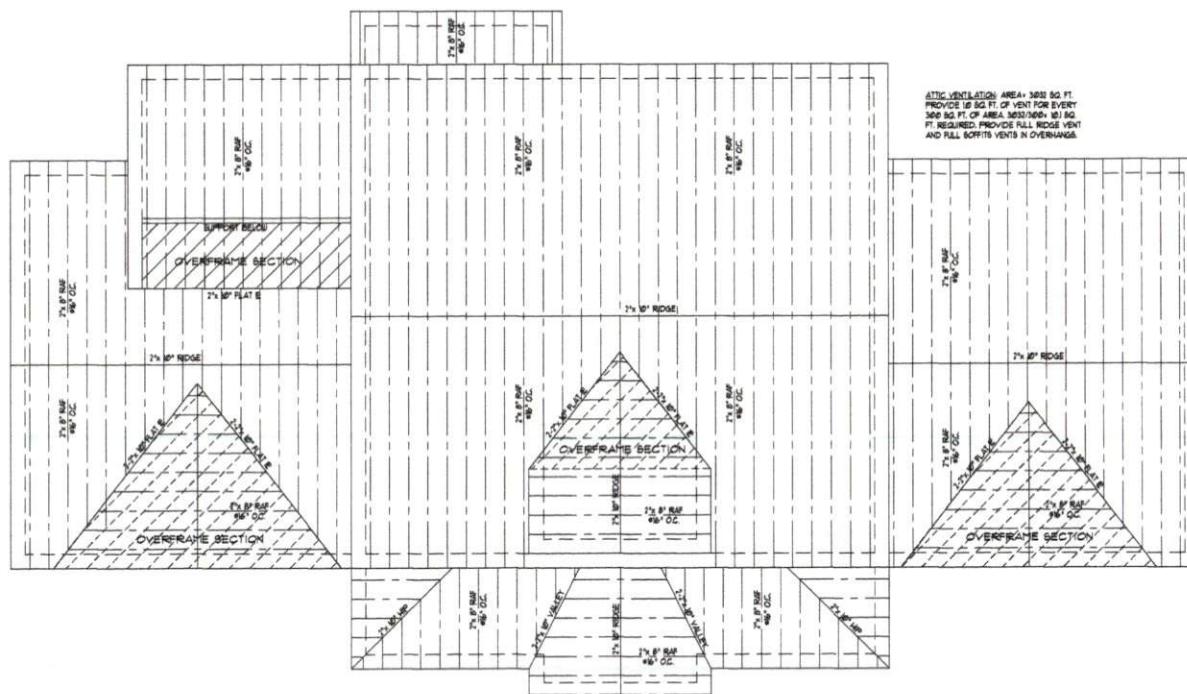
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FILE: DRAME

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

ATTIC VENTILATION: AREA+ 3032 SQ. FT. PROVIDE 10 SQ. FT. OF VENT FOR EVERY 300 SQ. FT. OF AREA. 3032/300= 10.1 SQ. FT. REQUIRED. PROVIDE FULL RIDGE VENT AND FULL SOFFITS VENTS IN OVERHANGS.

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TRIANGLE DEALS, LLC
THE DRAIME PLAN

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GENERAL NOTES

THIS PLAN IS DESIGNED IN ACCORDANCE WITH THE NORTH CAROLINA RESIDENTIAL BUILDING CODE, 2003 EDITION.

1. WALL CLADDING IS DESIGNED FOR A POSITIVE/NEGATIVE PRESSURE OF NOT LESS THAN 24 P.S.F.

2. ROOF CLADDING DESIGN VALUES (POSITIVE/NEGATIVE) SHALL BE AS FOLLOWS:

403 P.S.F. FOR ROOF PITCHES FROM 6:12 TO 12:12

343 P.S.F. FOR ROOF PITCHES FROM 12:12 TO 16:12

243 P.S.F. FOR ROOF PITCHES FROM 16:12 TO 20:12

MEAN ROOF HEIGHT FOR THIS STRUCTURE IS 8' 0"

3. ALL WALL, CEILING AND FLOOR SHALL BE RATED IN ACCORDANCE WITH PART IV, ENERGY CONSERVATION, CHAPTER 6, ENERGY EFFICIENCY OF THE CODE FOR 2006 IBC (TABLE 602.3.1)

4. DESIGN CRITERIA IS AS FOLLOWS:

DEAD LOAD (PSF) LIVE LOAD (PSF)

PRIMARY FLOOR 10 40

SECONDARY FLOOR 10 40

SLEEPING AREAS 10 40

ATTIC (IF STAIRS) 10 30

ATTIC (NO STAIRS) 10 10

ROOF 10 10

WIND LOADINGS IS BASED ON 3 SECOND GUST OF 19 MPH PER HOUR

LIVE LOAD DISTRIBUTION LIVES (LIVE LOAD) ARE 120 P.S.F. FOR FLOOR, 100 P.S.F. FOR ROOF

ALL HEADERS IN LOAD BEARING WALL SHALL BE 2"x12" UNLESS NOTED OTHERWISE

FULL HEIGHT KING STUDS SHALL BE NOTED PER EACH SIDE OF EXTERIOR WALL

HEADERS AND BEAMS AS FOLLOWS:

HEADER SPAN STUDS # W' O.C. STUDS # 24" O.C.

3'-0" 1 1

4'-0" 2 2

5'-0" 3 3

6'-0" 4 4

1. ALL LUMBER USED FOR JOISTS AND RAFTERS SHALL BE 2" MIN OR BETTER LUMBER

USED FOR STUD SHALL BE 2" MIN OR BETTER DOUBLE FLLOOR JOISTS SHALL BE

MEASURED JACOBS INTERIOR WALLS BEING PARALLEL WITH THE FLOOR JOISTS

2. LVL SHALL BE LAMINATED VENEER LUMBER OR PARALLEL STRAND LUMBER WITH THE

FOLLOWING TYPICAL PROPERTIES: F=2000 PSI, E=1,200,000 PSI, MULTIPLE

LVL PLYS CAN BE USED TO ACHIEVE THE SPECIFIED SIZE SHOWN ON THESE PLANS AND

IS CONSIDERED TO BE STRUCTURALLY EQUIVALENT

3. THE FOLLOWING SHALL APPLY TO ALL BRACED WALL LINES

ALL EXTERIOR WALLS SHALL BE CONTINUOUSLY BRACED WITH 2" O.D. OR 2" O.D. OR 2" O.D.

SHALL BE IN ACCORDANCE WITH R-RAILERS AND SHALL BE COVERED WITH 1/2" O.D. TRUMP

BOARD ON THE INTERIOR FACE. ALL WIP PANELS SHALL BE FASTENED WITH 8d NAILS AT

2' ON CENTER FIELD AND 4' ON CENTER (EDGE) ALL EXTERIOR WALLS SHALL BE 2" 4' AT 8' ON CENTER AS A MINIMUM (EXCEPT FOR BALCONY FRAMED WALL SECTIONS AS

NOTED) AND CONTINUOUSLY BRACED.

STRUCTURAL EVALUATION BY:

WILKINS ENGINEERING, P.C.

Post Office Box 31446

Raleigh North Carolina 27621

FILE: DR-15

7/7/2012

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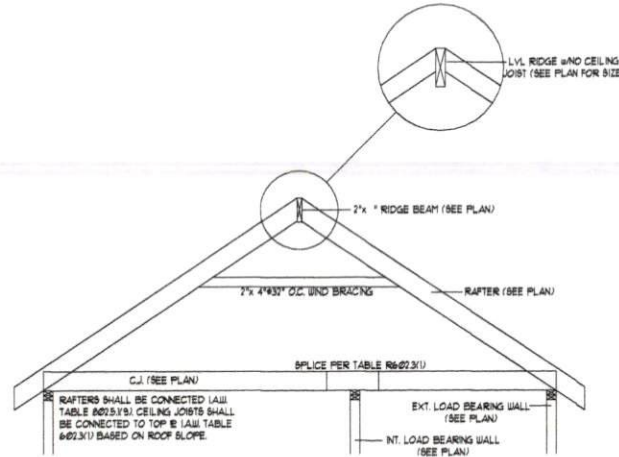
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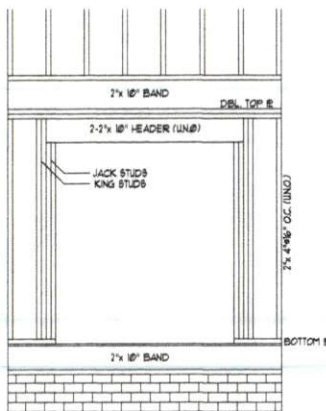
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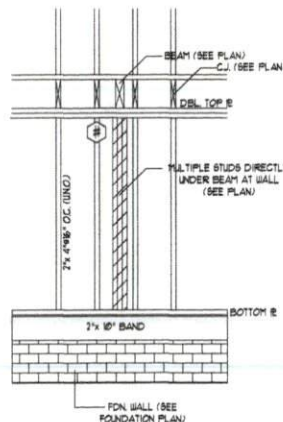
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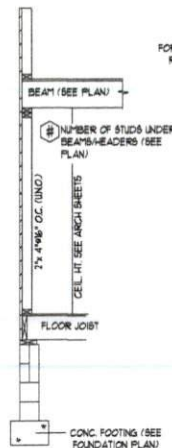
RIDGE BEAM/RAFTER DETAIL (N.T.S.)



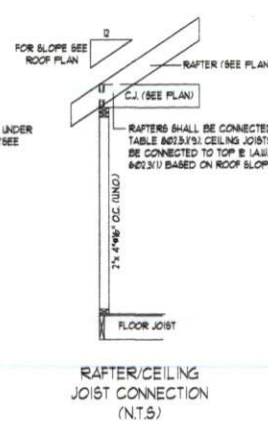
HEADER DETAIL AT EXT. WALL OPENINGS (N.T.S.)



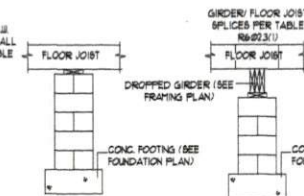
STUD SUPPORT FOR BEAMS/HEADERS (ELEV. N.T.S.)



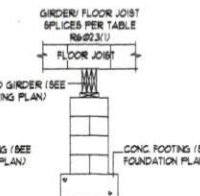
STUD SUPPORT FOR BEAMS/HEADERS (SECT. N.T.S.)



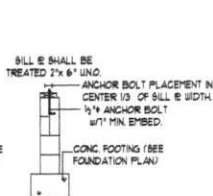
RAFTER/CEILING JOIST CONNECTION (N.T.S.)



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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THE DRAINE PLAN

Sheet No.

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