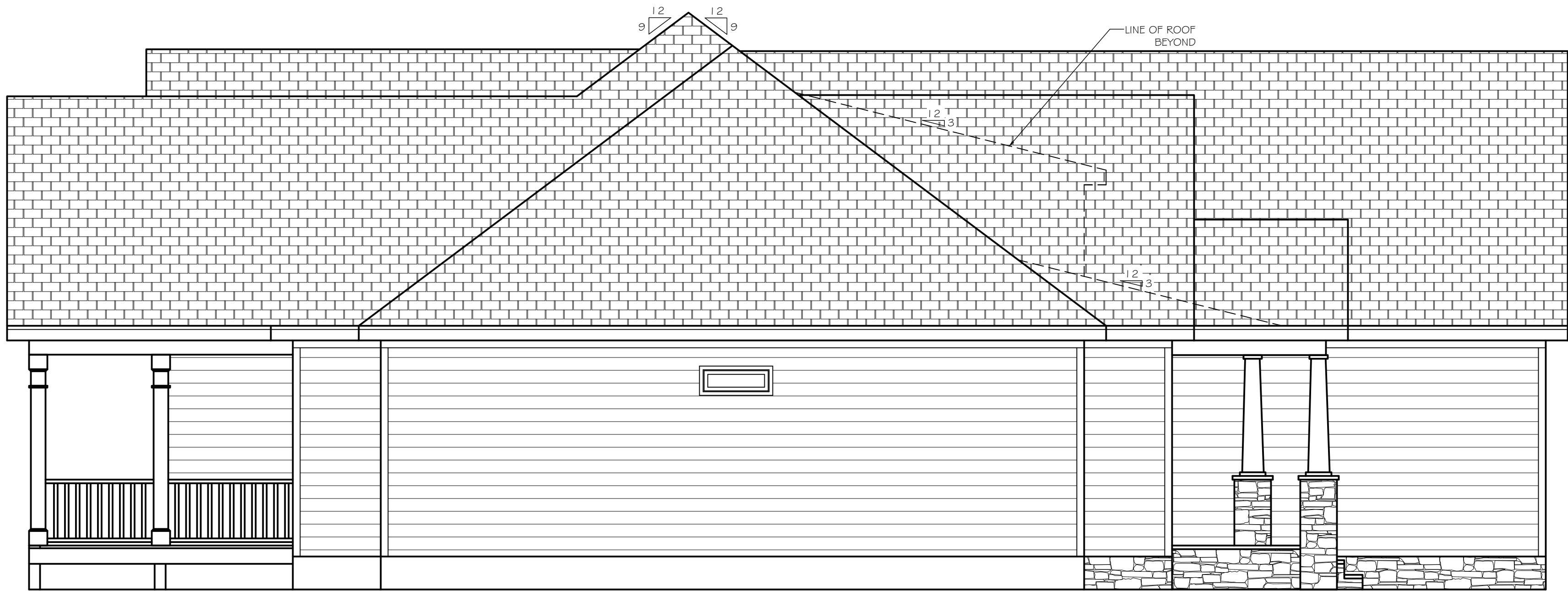




FRONT ELEVATION

1/4\"= 1'-0"



LEFT SIDE ELEVATION

1/4\"= 1'-0"

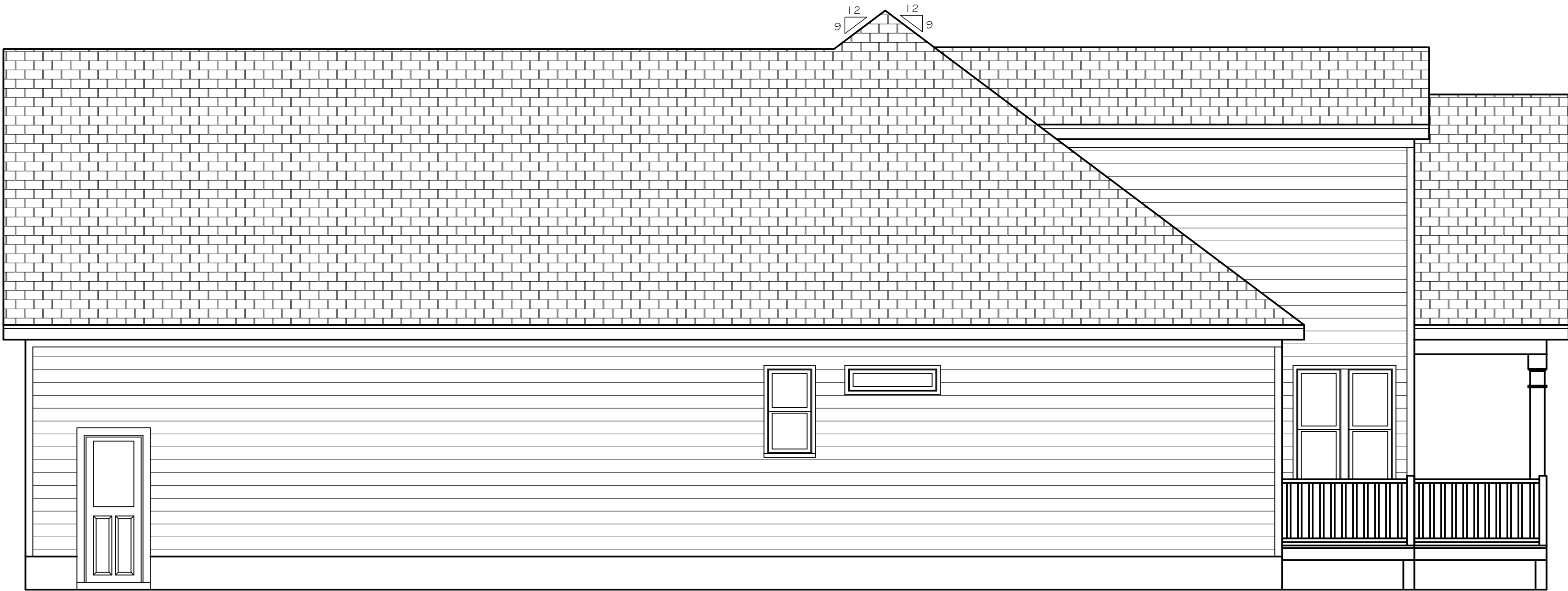
THESE PLANS WERE DESIGNED TO MEET THE LATEST REQUIREMENTS OF THE NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE. IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO REVIEW AND VERIFY THESE PLANS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGNER FOR CLARIFICATION.

IT IS THE RESPONSIBILITY OF THE BUILDER /CONTRACTOR TO VERIFY ALL WINDOW SIZES WITH MANUFACTURER. WINDOWS MUST MEET STATE AND LOCAL CODES FOR EGRESS AND ENERGY COMPLIANCE.



REAR ELEVATION

1/4"=1'-0"

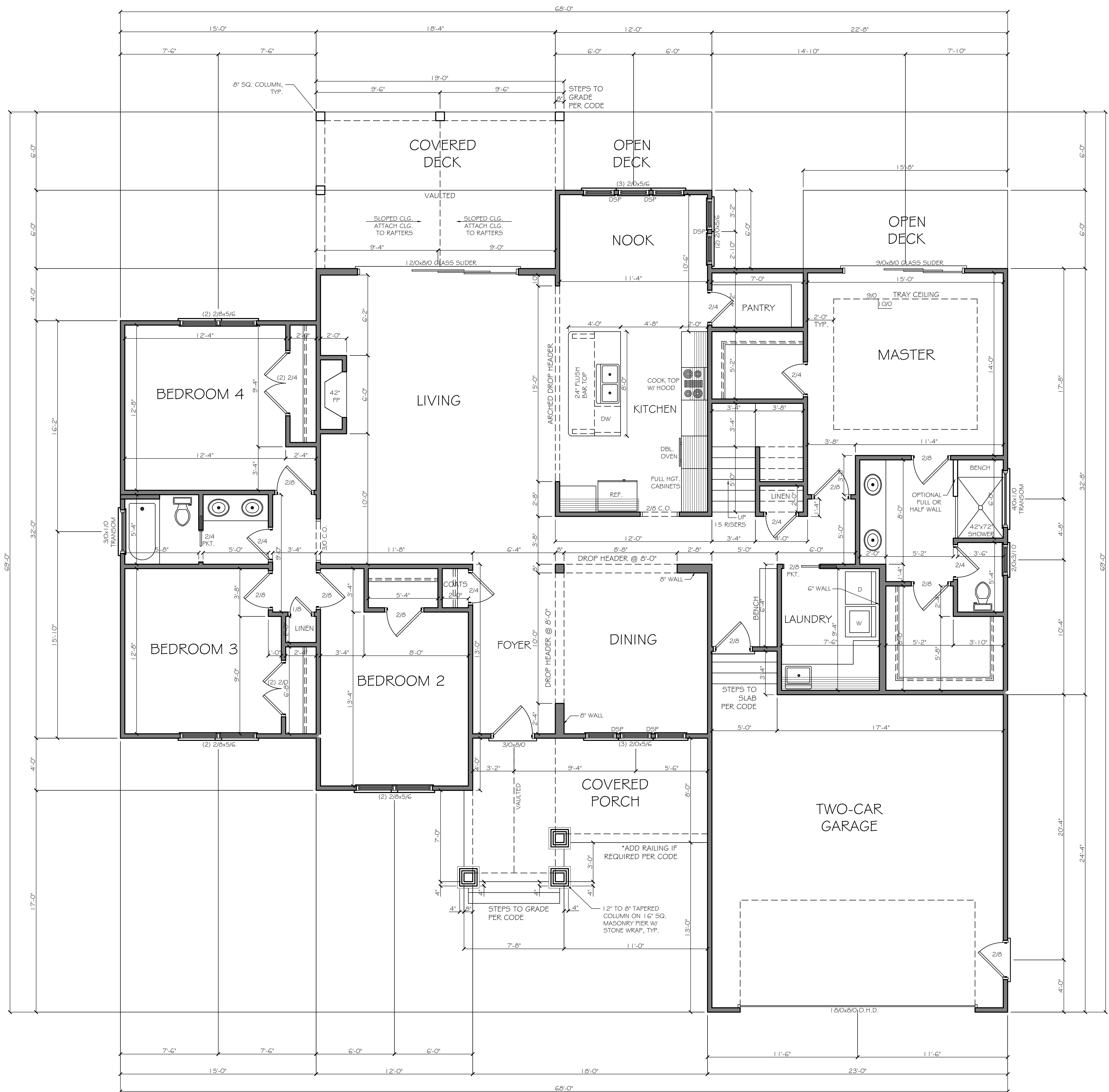


RIGHT SIDE ELEVATION

1/4"=1'-0"

THESE PLANS WERE DESIGNED TO MEET THE LATEST REQUIREMENTS OF THE NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE. IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO REVIEW AND VERIFY THESE PLANS PRIOR TO CONSTRUCTION. ANY DISCREPENCIES SHALL BE REPORTED TO THE DESIGNER FOR CLARIFICATION.

IT IS THE RESPONSIBILITY OF THE BUILDER /CONTRACTOR TO VERIFY ALL WINDOW SIZES WITH MANUFACTURER. WINDOWS MUST MEET STATE AND LOCAL CODES FOR EGRESS AND ENERGY COMPLIANCE.



FIRST FLOOR PLAN

1/4"=1'-0"

NOTE:
9'-1 1/2" CEILING HEIGHT FIRST FLOOR U.N.O.
8'-1 1/2" CEILING HEIGHT SECOND FLOOR U.N.O.
EXTERIOR WALLS ARE 4" THICK U.N.O.
INTERIOR WALLS ARE 4" THICK U.N.O.
ANGLED WALLS ARE 45° U.N.O.
DIMENSIONS ARE NOMINAL.
DSP INDICATES DOUBLE STUD POCKET

SQUARE FOOTAGE	
FIRST FLOOR HEATED	2,417 SQ. FT.
SECOND FLOOR HEATED	N/A
TOTAL HEATED	2,417 SQ. FT.
2-CAR GARAGE	575 SQ. FT.
FRONT COVERED PORCH	170 SQ. FT.
REAR COVERED DECK	224 SQ. FT.
REAR OPEN DECK TOTAL	1,662 SQ. FT.
UNFINISHED STORAGE	1,646 SQ. FT.

THESE PLANS WERE DESIGNED TO MEET THE LATEST REQUIREMENTS OF THE NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE. IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO REVIEW AND VERIFY THESE PLANS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGNER FOR CLARIFICATION.

IT IS THE RESPONSIBILITY OF THE BUILDER /CONTRACTOR TO VERIFY ALL WINDOW SIZES WITH MANUFACTURER. WINDOWS MUST MEET STATE AND LOCAL CODES FOR EGRESS AND ENERGY COMPLIANCE.

Corp. License Number C-2550

CREEDMOOR HOLDING CO.
LOT 5 SHORELINE DR.

issue date:
8-25-26

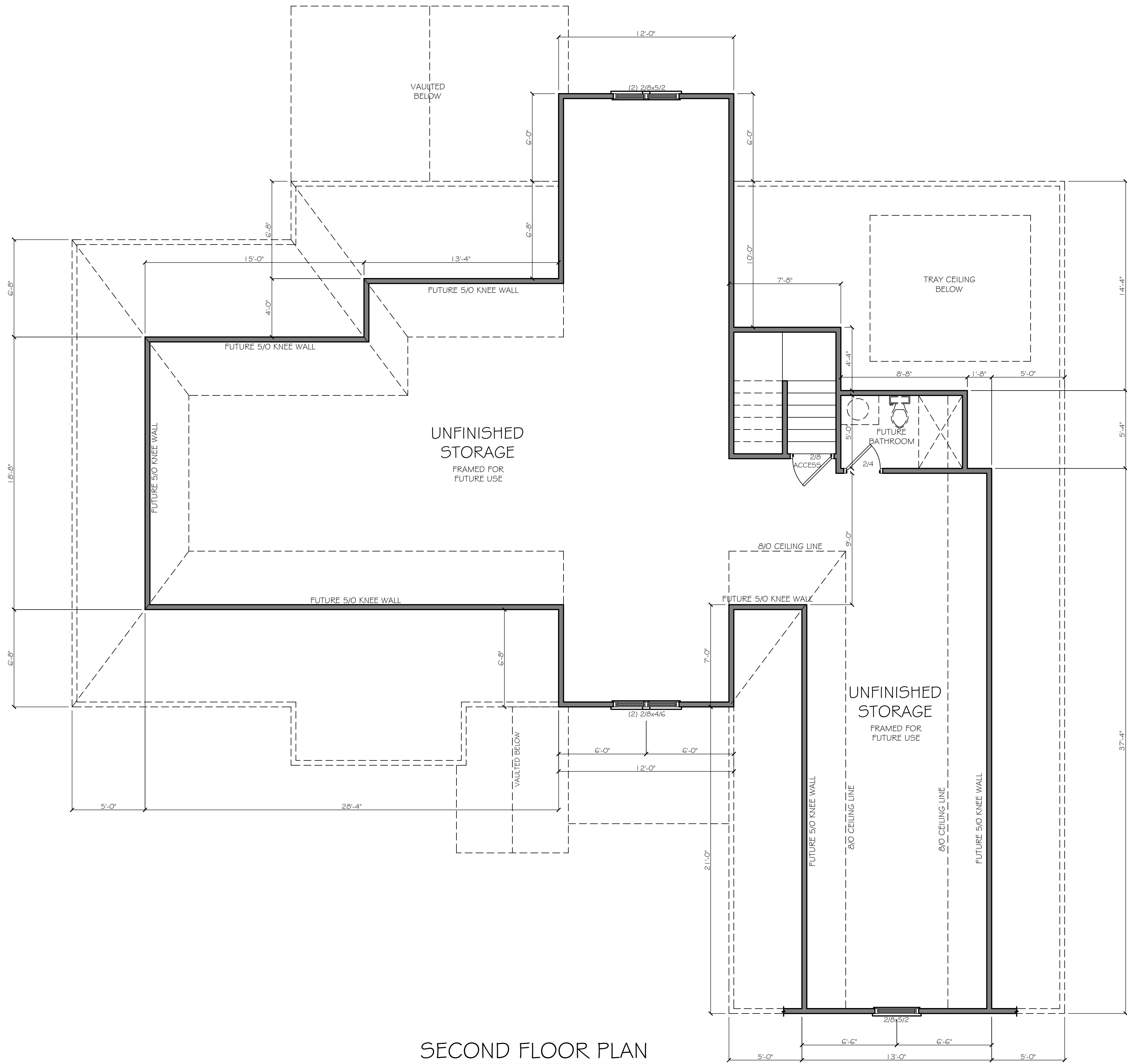
Copyright © 2026 by
Harris Structural
Design, PA.
All rights reserved.

All drawings and copies thereof are instruments of service and as such remain the property of Harris Structural Design, PA. They are produced for one-time use only with respect to this project. Harris Structural Design, PA reserves the right to use these plans at its own discretion. Approval from a licensed building inspector will be the responsibility of the consumer if required. Nominal dimensions may be used. Do not scale drawings.

project
dwg. by TWB
ckd. by TBH

content
FIRST FLOOR PLAN

sheet

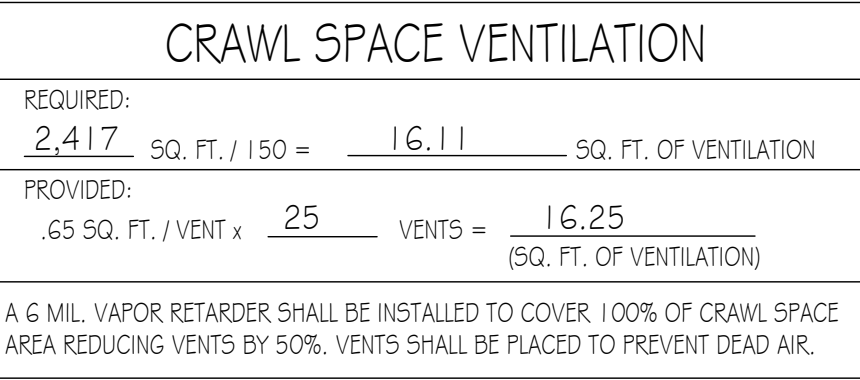


SECOND FLOOR PLAN

1/4" = 1'-0"

THESE PLANS WERE DESIGNED TO MEET THE LATEST REQUIREMENTS OF THE NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE. IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO REVIEW AND VERIFY THESE PLANS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGNER FOR CLARIFICATION.

IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO VERIFY ALL WINDOW SIZES WITH MANUFACTURER. WINDOWS MUST MEET STATE AND LOCAL CODES FOR EGRESS AND ENERGY COMPLIANCE.

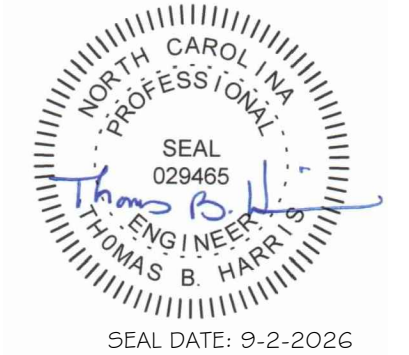


First Floor Notes

- 1. LVL to be 1.9E Min.
- 2. All studs to be SPF #2.
- 3. CS stands for Column Studs.
- 4. All interior piers to be 16"x16" Block Piers on 30"x30"x10" footing U.O.N..
- 5. Piers * exterior walls to be 8"x16" on 12"x24" footing U.O.N..
- 6. All girders to be (3) 2x10 SPF #2 (DROP) U.O.N..
- 7. All Floor Joists to be 2x10 SPF #2 * 16" O.C. U.O.N..
- 8. See Sheet S5 for Typical Details.

HARRIS
STRUCTURAL DESIGN, PA
 3206 Heritage Park Dr. Ste. 116
 Raleigh, NC 27605
 EMAIL: thomas.hsd@excrr.com
 PH: (919) 556-6005
 FAX: (919) 556-6032
 CELL: (919) 946-0798

Corp. License Number C-2550



CREEDMOOR HOLDING CO.
LOT 5 SHORELINE DR.

Issue date: 3-25-26

Copyright © 2026 by
Harris Structural
Design, PA.
All rights reserved.

drawings and copies thereof are instruments of service and as such remain the property of Harns Structural Design, PA. They are produced for one-time use only with respect to this project. Harns Structural Design, PA reserves the right to use these plans at its own discretion. Approval from a licensed building inspector will be the responsibility of the consumer if required. Final dimensions may be used. Do not make drawings.

dwg. by TWE
ckd. by TBH

FOUNDATION PLAN

sheet

S1

FOUNDATION PLAN

$$1/4'' = 1' - 0''$$



OPENING	HEADER TYPE	NUMBER OF JACK STUDS	NUMBER OF JACK STUDS
0' - 3'-0"	2 - 2x10 BOX HEADER	1	1
3'-0" - 5'-0"	2 - 2x10 BOX HEADER	2	2
5'-0" - 6'-0"	2 - 2x12 BOX HEADER	2	2

Second Floor Notes:
1. LVL to be 1.9E Min.
2. All studs to be SPF #2
3. Abbreviations:
CS = Column Studs
CS-WSP = Continuous Sheathed - Wood Structural Panel
GB = Gypsum Board Braced Wall
CS-PF = Continuous Portal Frame (See Detail Sheet)
PF6 = Portal Frame at Garage Door (See Detail Sheet)
PFH = Portal Frame with Hold-Downs (See Detail Sheet)
J = Jack Studs
K = King Studs (Full Height)
4. All Floor Joists to be 2x10 SPF #2 @ 16" O.C. U.O.N.
5. See Sheet S3 for Typical Details.

SECOND FLOOR FRAMING PLAN

1/4" = 1'-0"

Corp. License Number C-2550



CREEDMOOR HOLDING CO.
LOT 5 SHORELINE DR.

issue date:
8-25-26

Copyright © 2026 by
Harris Structural
Design, PA.
All rights reserved.

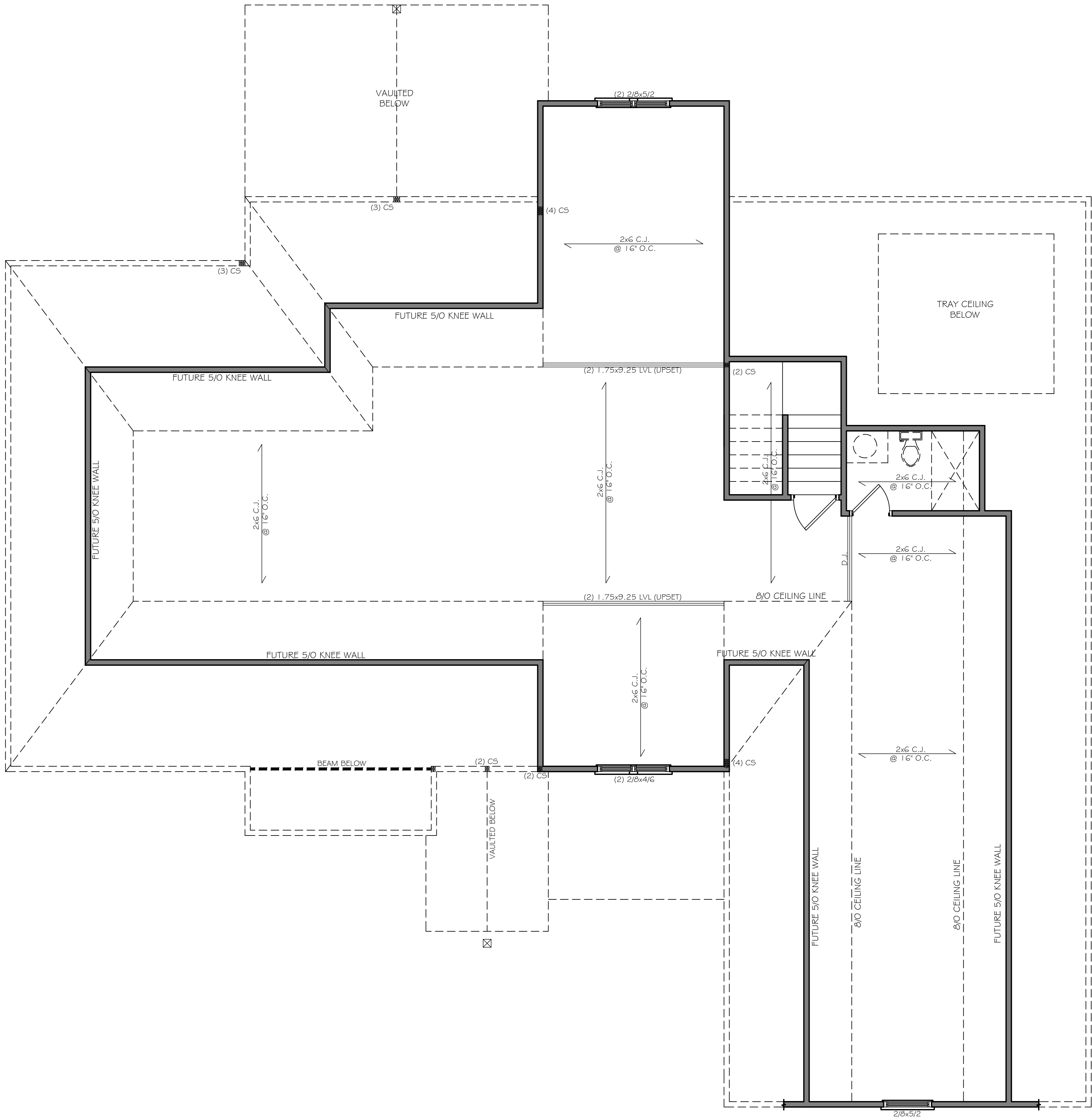
All drawings and copies thereof are instruments of service and as such remain the property of Harris Structural Design, PA. They are produced for one-time use only with respect to this project. Harris Structural Design, PA reserves the right to use these plans at its own discretion. Approval from a licensed building inspector will be the responsibility of the consumer if required. Nominal dimensions may be used. Do not scale drawings.

project
dwg. by TWB
ckd. by TBH

content
SECOND FLOOR FRAMING PLAN

sheet

S2



CEILING FRAMING PLAN

1/4"= 1'-0"

OPENING	HEADER TYPE	NUMBER OF BOX STUDS	NUMBER OF WOOD STUDS
0' - 3' 6"	2 - 2x6 BOX HEADER	1	1
3' 6" - 6' 0"	2 - 2x10 BOX HEADER	1	2

- Ceiling Notes:
1. LVL to be 19E Min.
2. All studs to be SPF #2.
3. Abbreviations:
CS = Column Studs
CS-WSP = Continuous Sheathed - Wood Structural Panel
GB = Gypsum Board Braced Wall
CS-PF = Continuous Portal Frame (See Detail Sheet)
PFG = Portal Frame at Garage Door (See Detail Sheet)
PFH = Portal Frame with Hold-Downs (See Detail Sheet)
J = Jack Studs
K = King Studs (Full Height)
4. All ceiling joists to be SPF #2 U.O.N.
5. See Sheet S3 for Typical Details.

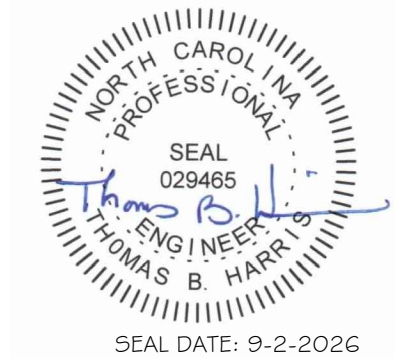
HARRIS

STRUCTURAL DESIGN, PA

3206 Heritage Trade Dr. Ste. 116
Wake Forest, NC 27587
EMAIL: thomas-hsd@nc.rr.com

PH: (919) 556-6032
FAX: (919) 556-6032
CELL: (919) 946-0798

Corp. License Number C-2550



CREEDMOOR HOLDING CO.
LOT 5 SHORELINE DR.

issue date:
8-25-26

Copyright © 2026 by
Harris Structural
Design, PA.
All rights reserved.

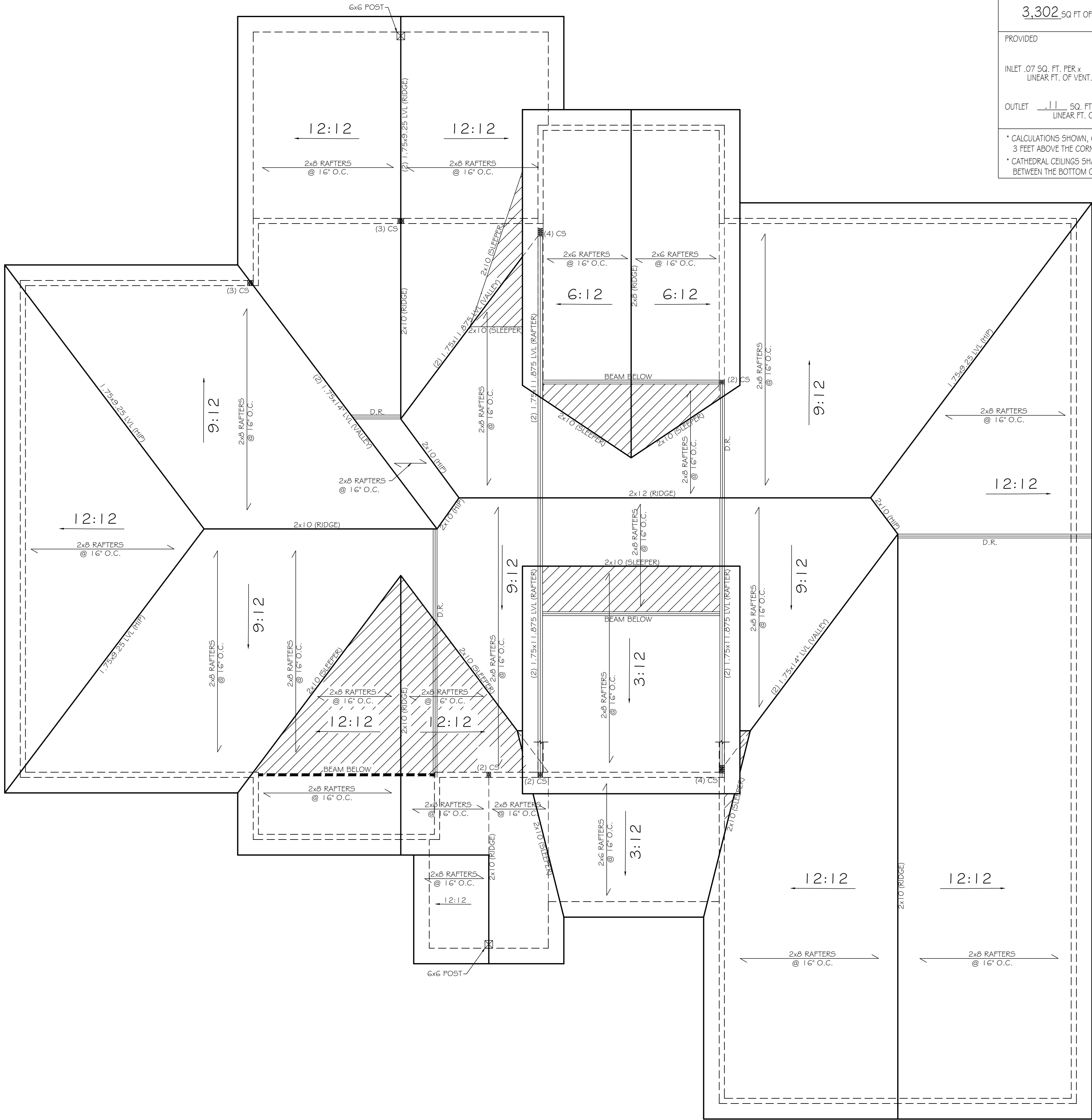
All drawings and copies thereof are
instruments of service and as such
remain the property of Harris Structural
Design, PA. They are produced for
one-time use only with respect to this
project. Harris Structural Design, PA
reserves the right to use these plans
at its own discretion. Approval from a
licensed building inspector will be the
responsibility of the consumer if required.
Nominal dimensions may be used. Do not
scale drawings.

project
dwg. by TWB
ckd. by TBH

content
CEILING FRAMING PLAN

sheet

S3



ATTIC VENTILATION	
REQUIRED	
3,302 SQ. FT. OF ATTIC/600 =	5.5 SQ. FT. EACH OF INLET & OUTLET
PROVIDED	
INLET .07 SQ. FT. PER x LINEAR FT. OF VENT.	80 LINEAR FT. = 5.6 SQ. FT. OF VENT.
OUTLET .11 SQ. FT. PER x LINEAR FT. OF VENT.	52 LINEAR FT. = 5.72 SQ. FT. OF VENT.
* CALCULATIONS SHOWN, CONSIDER VENTILATORS USED AT LEAST 3 FEET ABOVE THE CORNICE VENTS	
* CATHEDRAL CEILINGS SHALL HAVE A 1" MINIMUM CLEARANCE BETWEEN THE BOTTOM OF THE ROOF DECK AND THE INSULATION.	

Roof Notes:
1. All rafters SPF #2 U.O.N.
2. LVL to be 1.9E or Greater.
3. CS Stands for Column Studs.
4. See Sheet S5 for Typical Details.

ROOF FRAMING PLAN

1/4"= 1'-0"

HARRIS

STRUCTURAL DESIGN, PA

PH: (919) 556-6032

FAX: (919) 556-6032

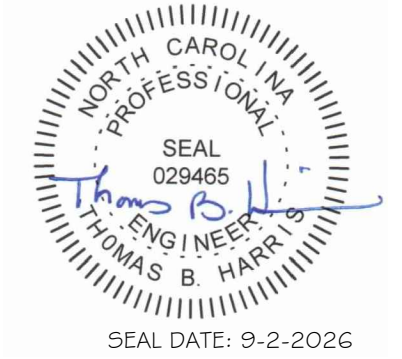
CELL: (919) 946-0798

3206 Heritage Trade Dr. Ste. 116

Wake Forest, NC 27587

EMAIL: thomas-hsd@nc.rr.com

Corp. License Number C-2550



CREEDMOOR HOLDING CO.
LOT 5 SHORELINE DR.

issue date:
8-25-26

Copyright © 2026 by
Harris Structural
Design, PA.
All rights reserved.

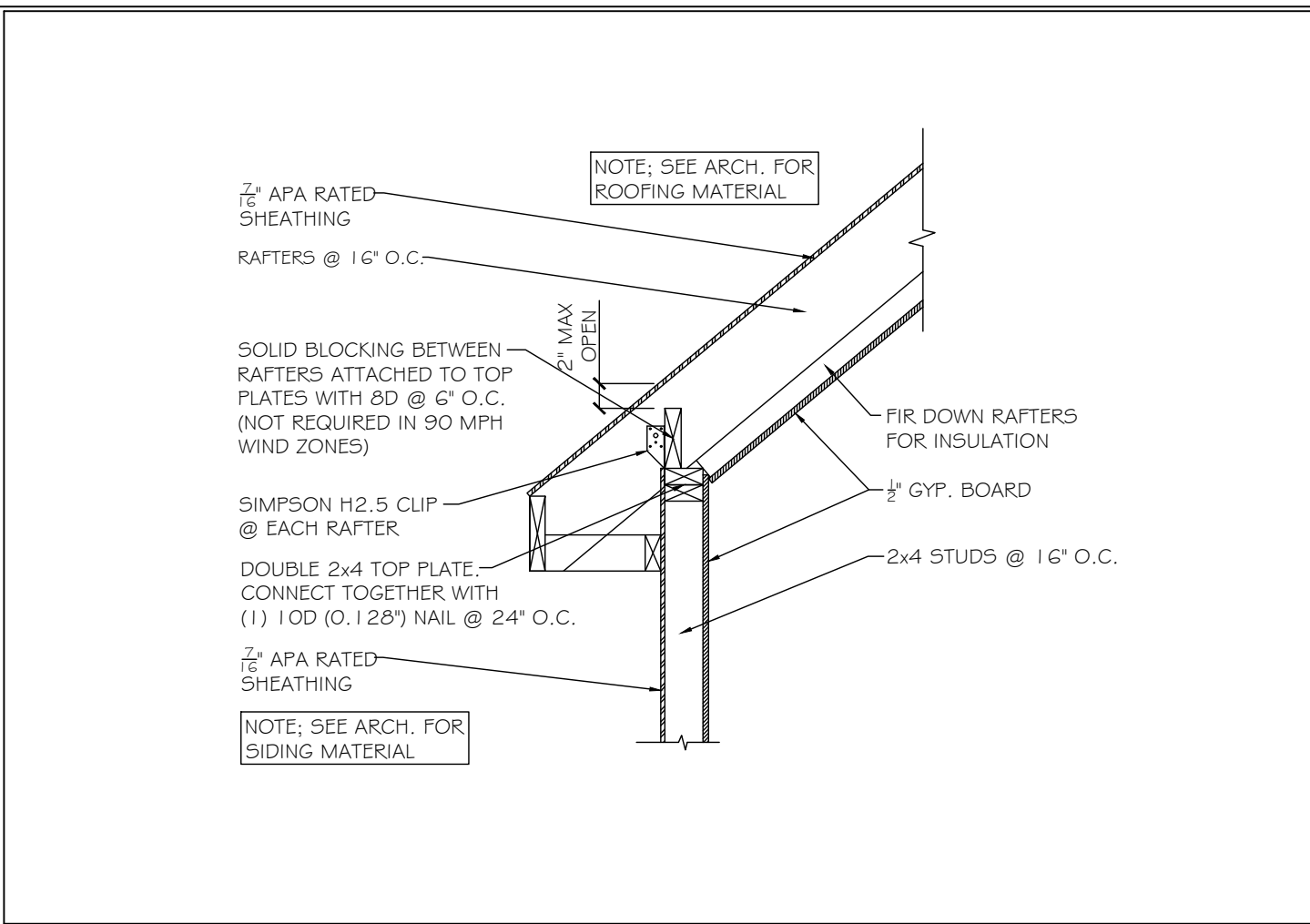
All drawings and copies thereof are instruments of service and as such remain the property of Harris Structural Design, PA. They are produced for one-time use only with respect to this project. Harris Structural Design, PA reserves the right to use these plans at its own discretion. Approval from a licensed building inspector will be the responsibility of the consumer if required. Nominal dimensions may be used. Do not scale drawings.

project
dwg. by TWB
ckd. by TBH

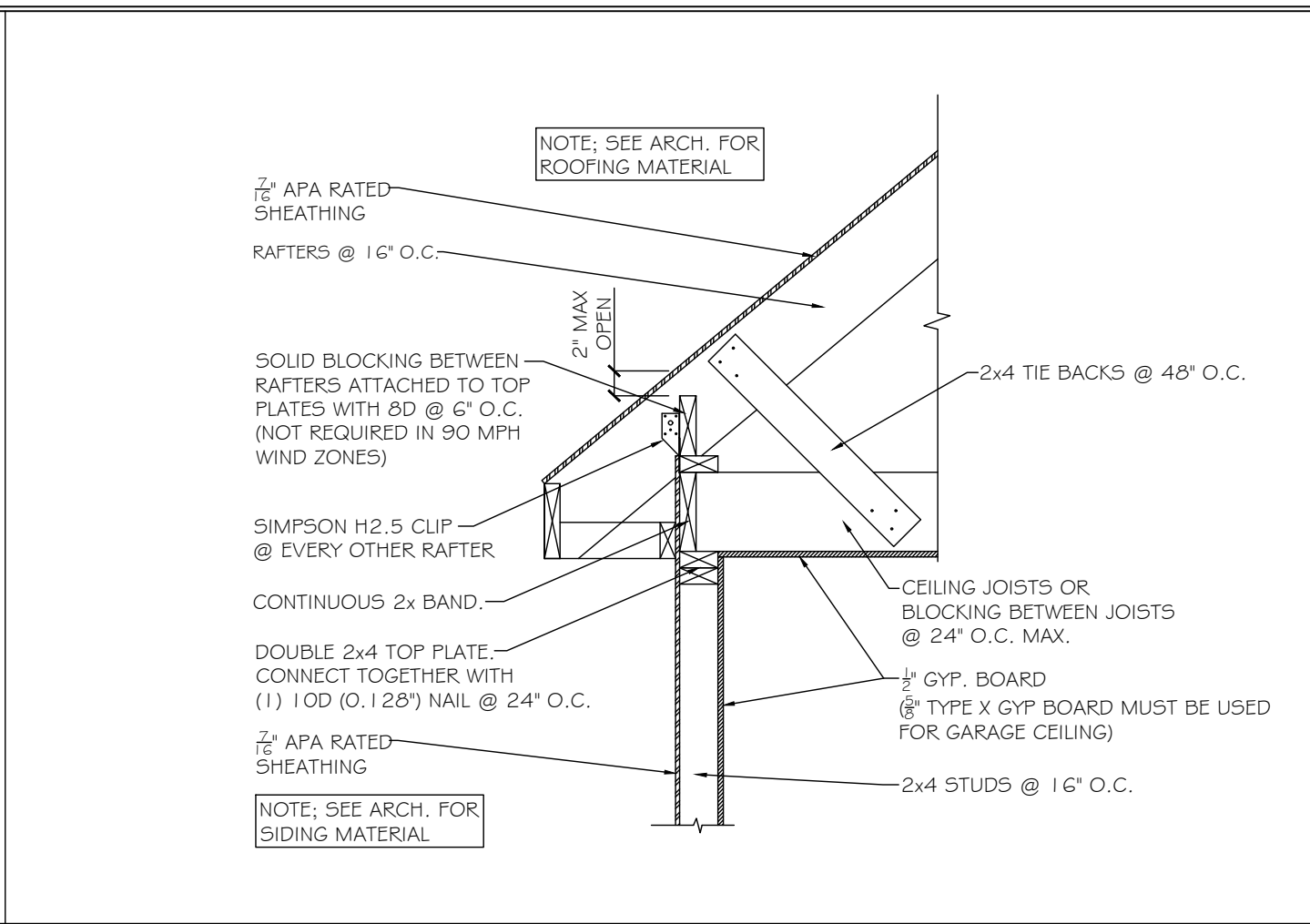
content:
ROOF FRAMING PLAN

sheet

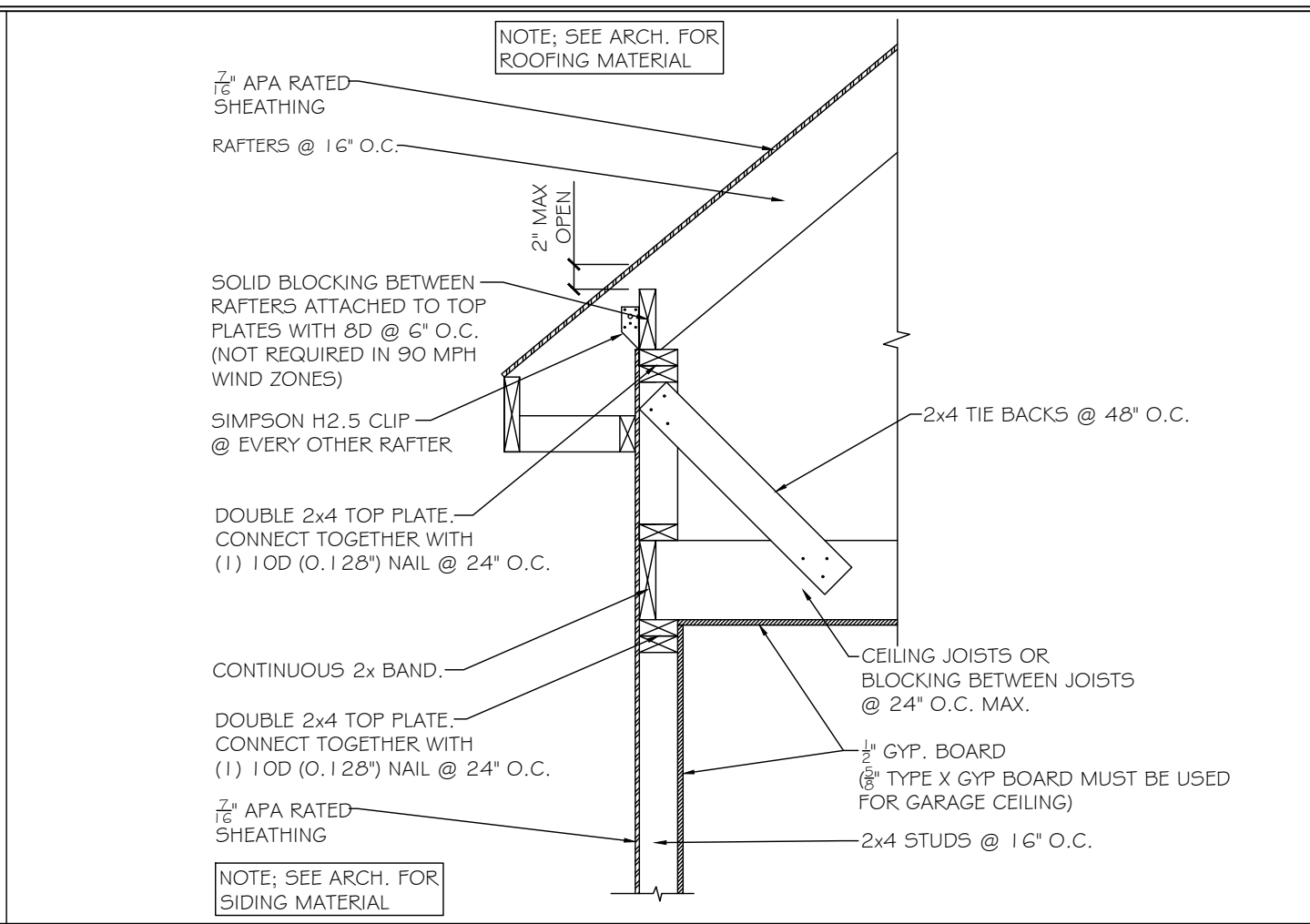
S4



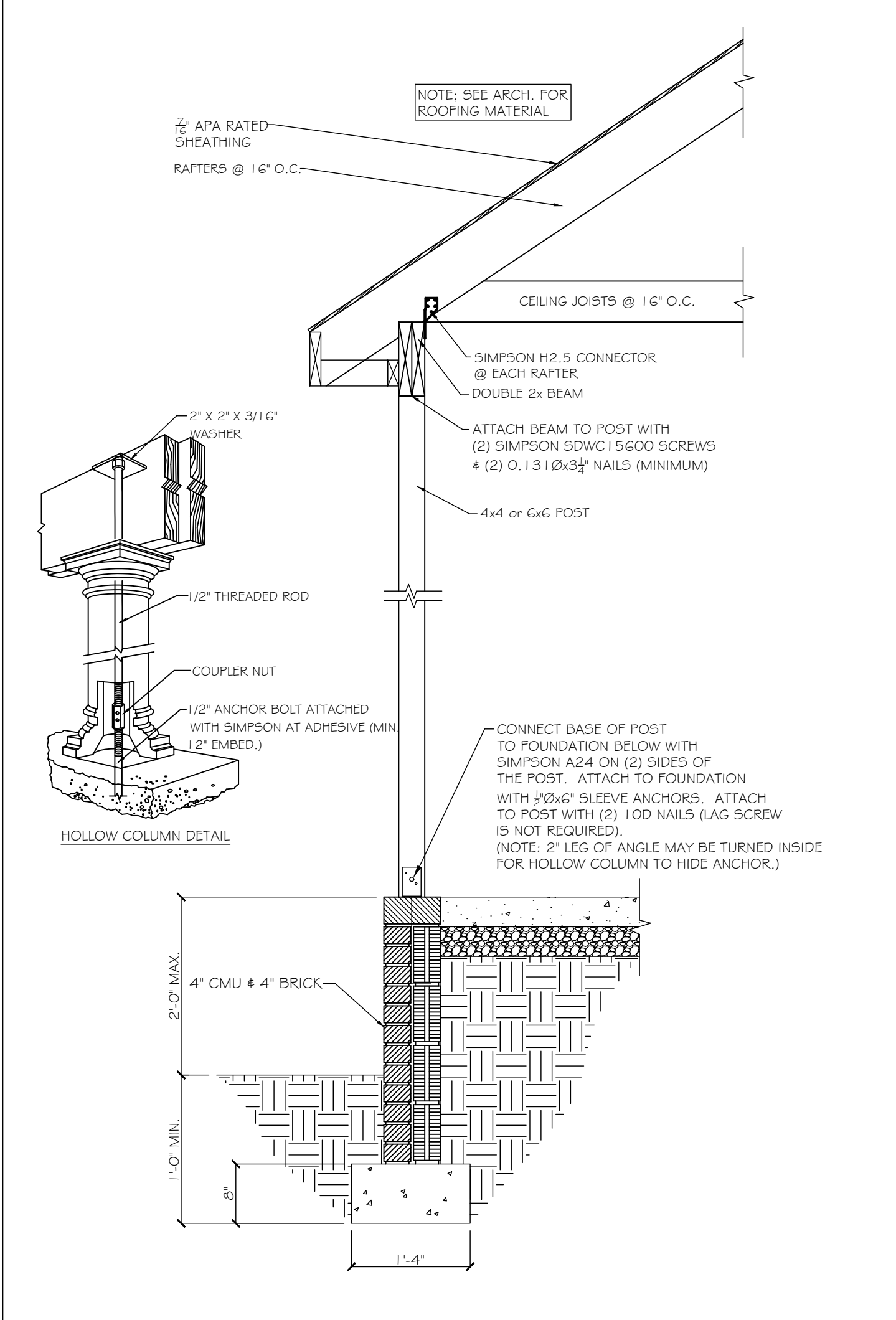
RAFTER BEARING @ VAULTED CEILING



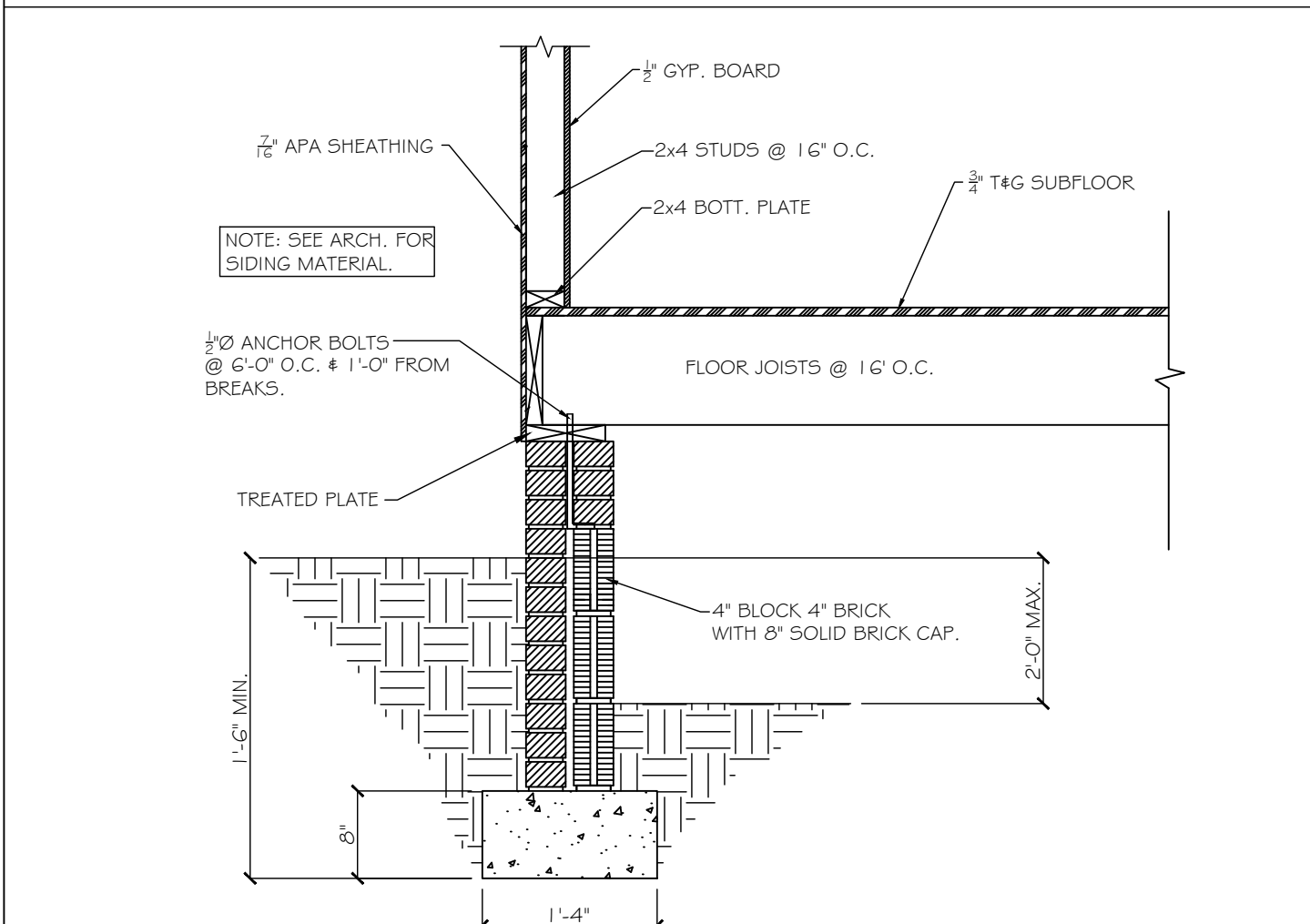
RAFTER BEARING @ FLAT CEILING



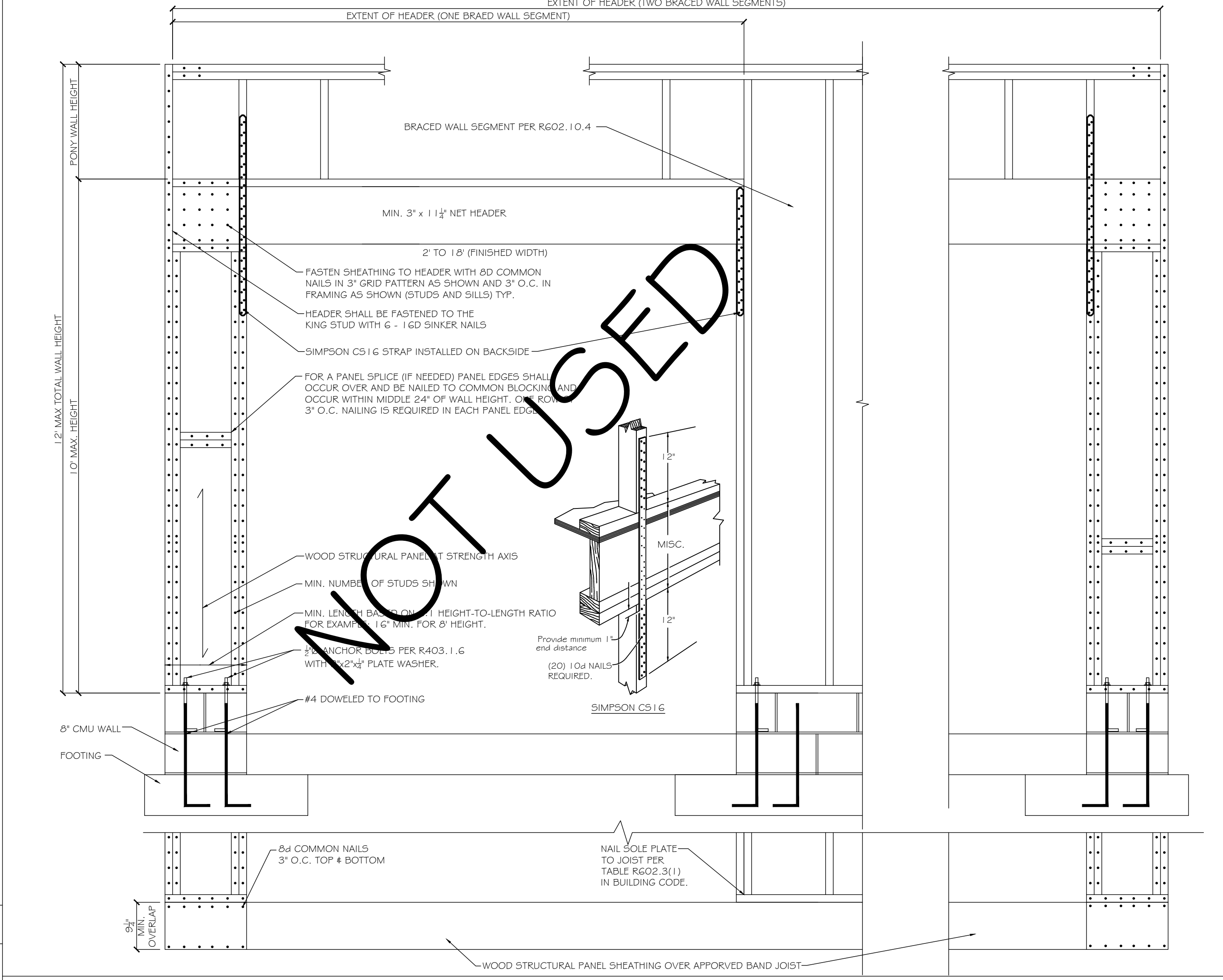
RAFTER BEARING ON KNEE WALL



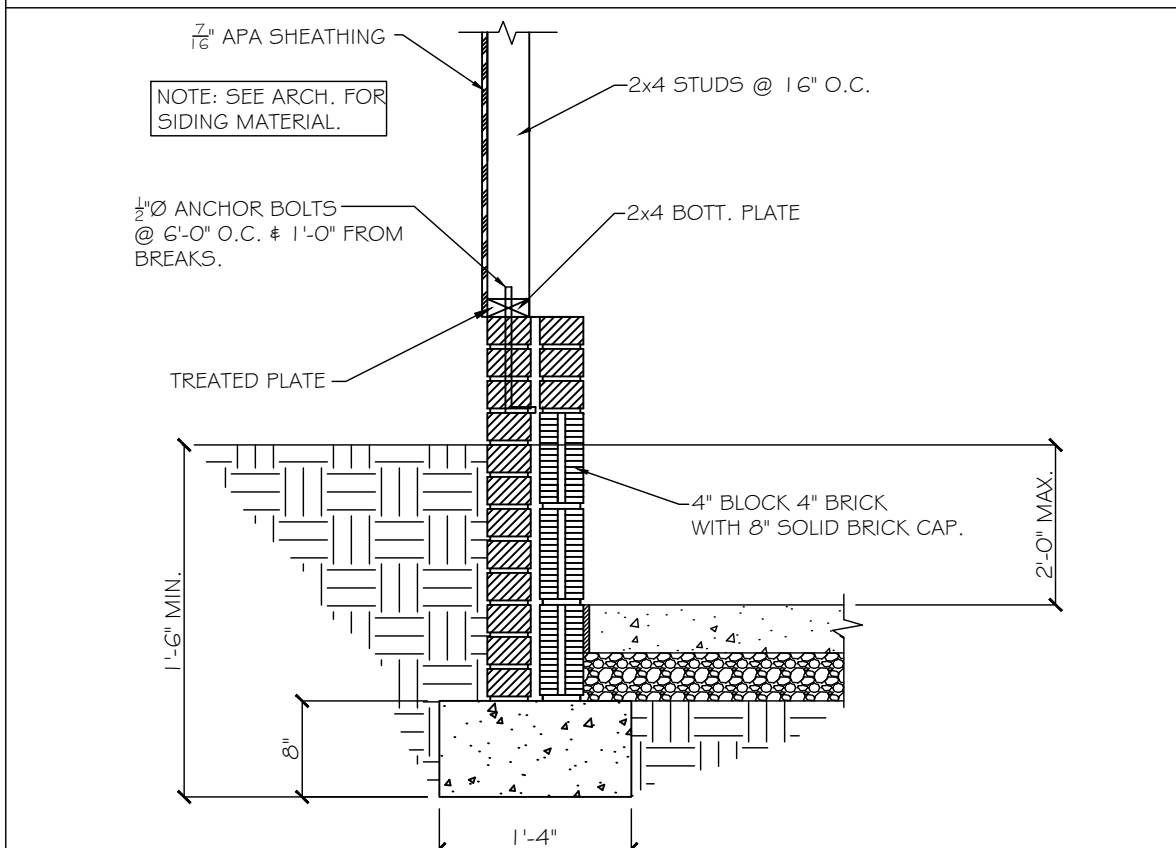
TYPICAL PORCH DETAIL



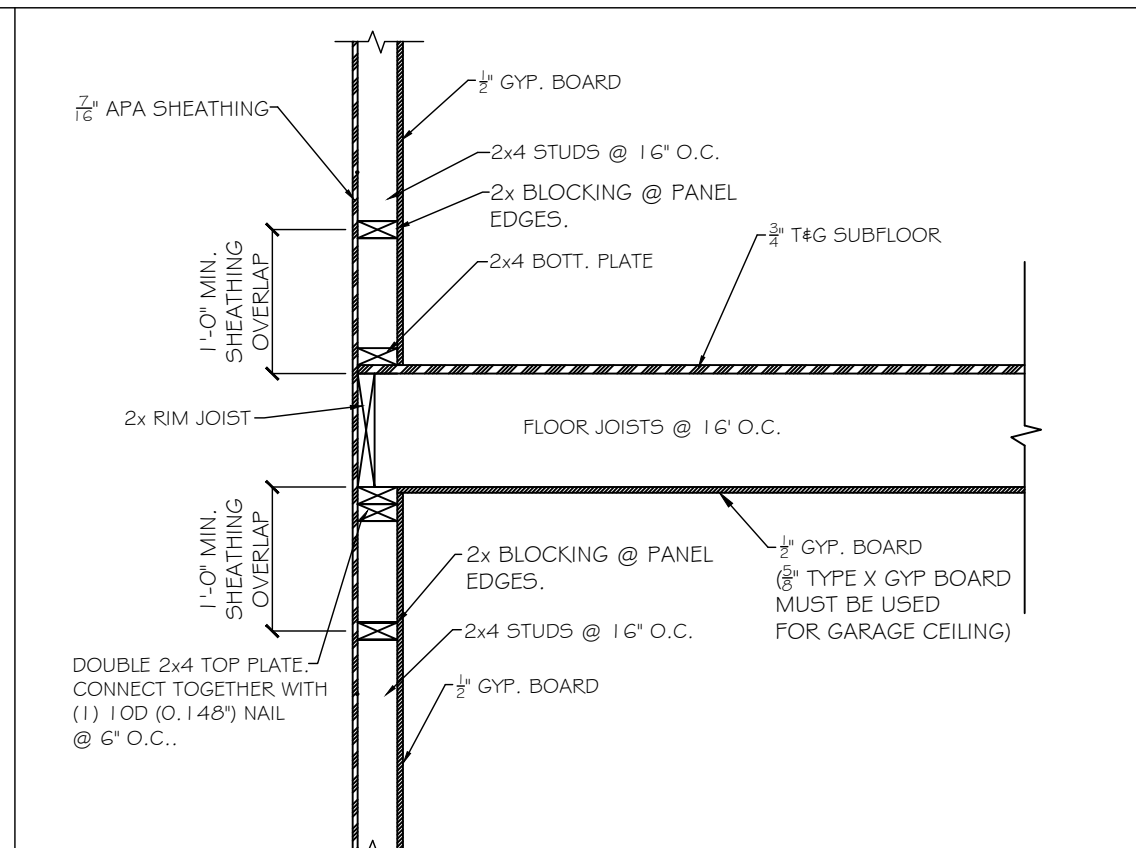
TYPICAL CRAWL SPACE FOUNDATION @ WALL WITH SIDING



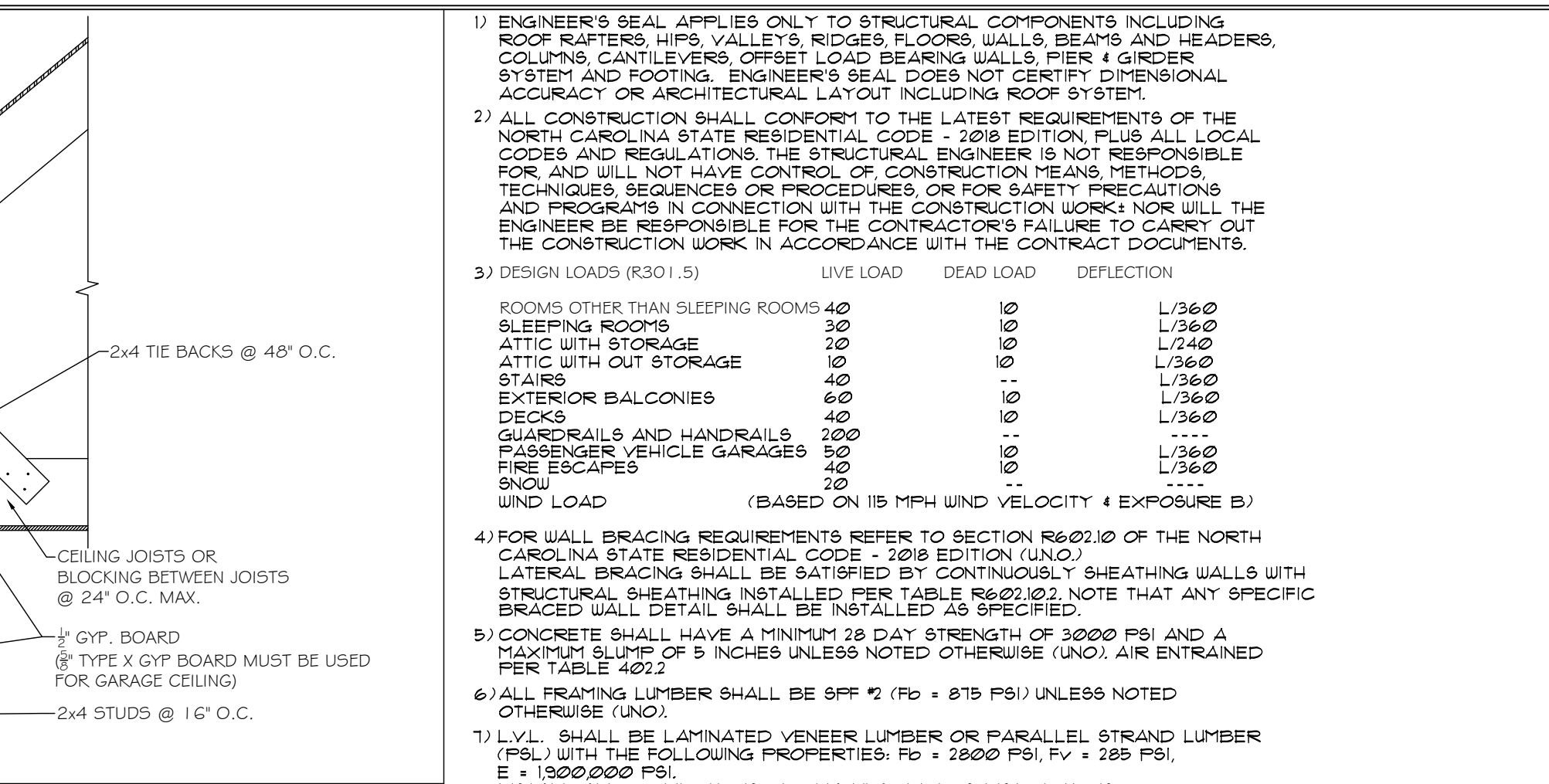
CS-PF PORTAL FRAME PANEL DETAIL



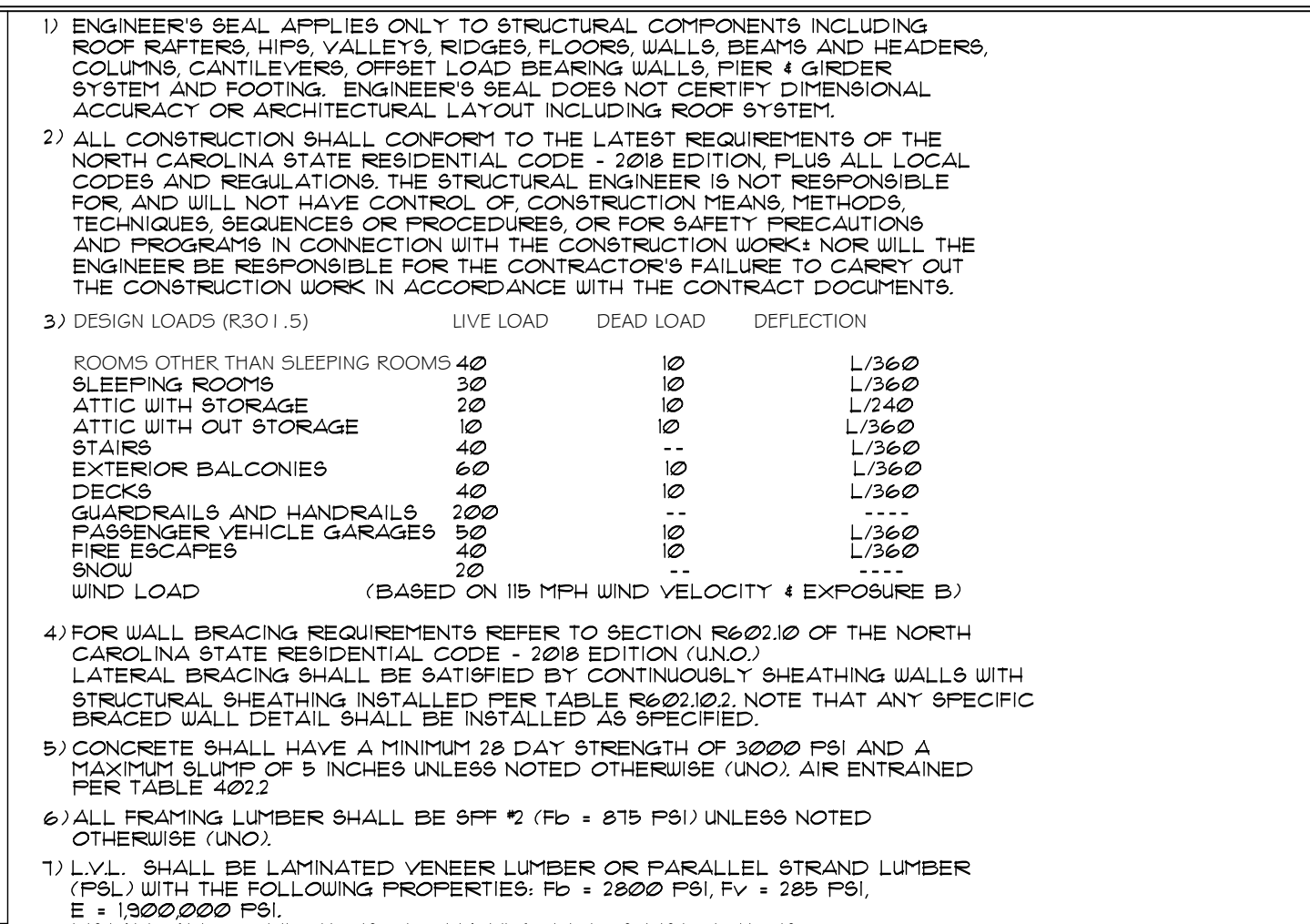
GARAGE FOUNDATION WALL DETAIL



TYPICAL SECOND FLOOR DETAIL



RAFTER BEARING ON KNEE WALL



RAFTER BEARING ON KNEE WALL

1) ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIP, VALLEY'S, RIDGES, FLOORS, WALLS, BEAMS AND HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIER & GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.

2) ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA STATE RESIDENTIAL CODE - 2018 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR AND WILL NOT HAVE CONTROL OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK. NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

3) DESIGN LOADS (R301.5)

LIVE LOAD	DEAD LOAD	DEFLECTION
ROOMS OTHER THAN SLEEPING ROOMS	40	L/360
SLEEPING ROOMS	30	L/360
ATTIC WITH STORAGE	10	L/240
ATTIC WITH OUT STORAGE	10	L/360
STAIRS	40	L/360
EXTERIOR BALCONIES	60	L/360
DECKS	40	L/360
GUARDRAILS AND HANDRAILS	200	L/360
PASSENGER VEHICLE GARAGES	150	L/360
FIRE ESCAPES	40	L/360
SNOW	150	L/360

WIND LOAD (BASED ON 115 MPH WIND VELOCITY & EXPOSURE B)

4) FOR WALL BRACING REQUIREMENTS REFER TO SECTION R602.10 OF THE NORTH CAROLINA STATE RESIDENTIAL CODE - 2018 EDITION (UNO). LATERAL BRACING SHALL BE SATISFIED BY CONTINUOUSLY SHEATHING WALLS WITH STRUCTURAL SHEATHING FASTENED PER TABLE R602.10.2. NOTE THAT ANY SPECIFIC BRACED WALL DETAIL SHALL BE INSTALLED AS SPECIFIED.

5) CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLAB OF 5 INCHES UNLESS NOTED OTHERWISE (UNO). AIR ENTRAINMENT PER TABLE 402.2.

6) ALL FRAMING LUMBER SHALL BE SFF #2 (Fb = 875 PSI) UNLESS NOTED OTHERWISE (UNO).

7) LVL SHALL BE LAMINATED VENEER LUMBER OR PARALLEL STRAND LUMBER (PSL) WITH THE FOLLOWING PROPERTIES: Fb = 2800 PSI, Fv = 285 PSI, E = 1,800,000 PSI.

8) ALL STRUCTURAL STEEL SHALL BE ASTM A-36 STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" INCHES AND FULL FLANGE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2" DIAMETER X 4" LONG). LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOIST ARE TOE NAILED TO THE SOLE PLATE, AND SOLE PLATE IS NAILED OR BOLTED TO THE BEAM FLANGE @ 48" O.C.

9) FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A307) WITH WASHERS PLACED UNDER THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMUM), AND STAGGERED TOP AND AT BOTTOM OF BEAM (2" EDGE DISTANCE) WITH 2 BOLTS LOCATED AT 6" FROM EACH END.

10) BRICK LINTELS SHALL BE 3 1/2"x3 1/2"x1/4" STEEL ANGLE FOR UP TO 6'-0" SPAN AND 6'-4"x5/16" STEEL ANGLE WITH 6" LEG VERTICAL FOR SPANS UP TO 9'-0" (UNO).

11) THE POSITIVE AND NEGATIVE DESIGN PRESSURE FOR DOORS AND WINDOWS FOR A MEAN ROOF HEIGHT OF 35 FEET OR LESS SHALL BE 25 PSF.

12) IF ANY PART OF THE CLEAR OPENING OF THE OPERABLE PORTION OF A WINDOW IS LOCATED MORE THAN 10' ABOVE THE EXISTING GRADE THEN THE LOWEST PART OF THE CLEAR OPENING MUST BE AT LEAST 24" ABOVE THE FLOOR OF THE ROOM IN WHICH IT IS LOCATED.

PLANS DESIGNED TO THE 2018 NORTH CAROLINA RESIDENTIAL CODE
HOUSE DESIGNED FOR 115 MPH WIND, EXPOSURE B

ANCHOR BOLTS SHALL BE MIN. 3/4" DIAMETER & SHALL EXTEND A MINIMUM 7" INTO MASONRY OR CONCRETE. ANCHOR BOLTS TO BE NO MORE THAN 6" O.C. AND WITHIN 12" OF ALL PLATE SPICES.

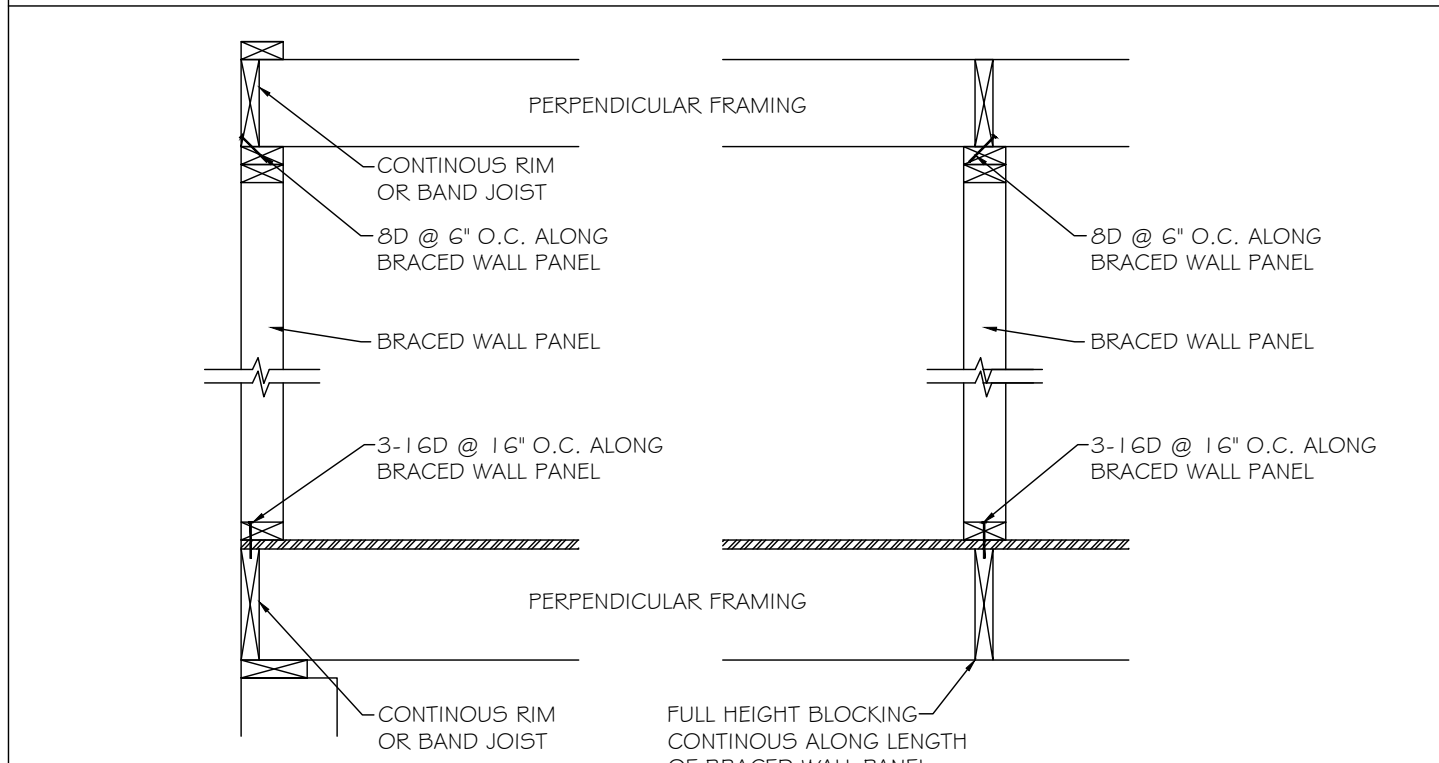
MEAN ROOF HEIGHT = 19.2'

COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS	30'-11" - 35'	35'-11" - 40'	40'-11" - 45'
MEAN ROOF HGT UP TO 30'	16.5, -18.0	17.3, -18.9	18.0, -19.6
ZONE 1	16.5, -18.0	17.3, -18.9	18.0, -19.6
ZONE 2	16.5, -18.0	17.3, -18.9	18.0, -19.6
ZONE 3	16.5, -18.0	17.3, -18.9	18.0, -19.6
ZONE 4	18.0, -19.5	18.9, -20.5	19.6, -21.3
ZONE 5	18.0, -19.5	18.9, -20.5	19.6, -21.3

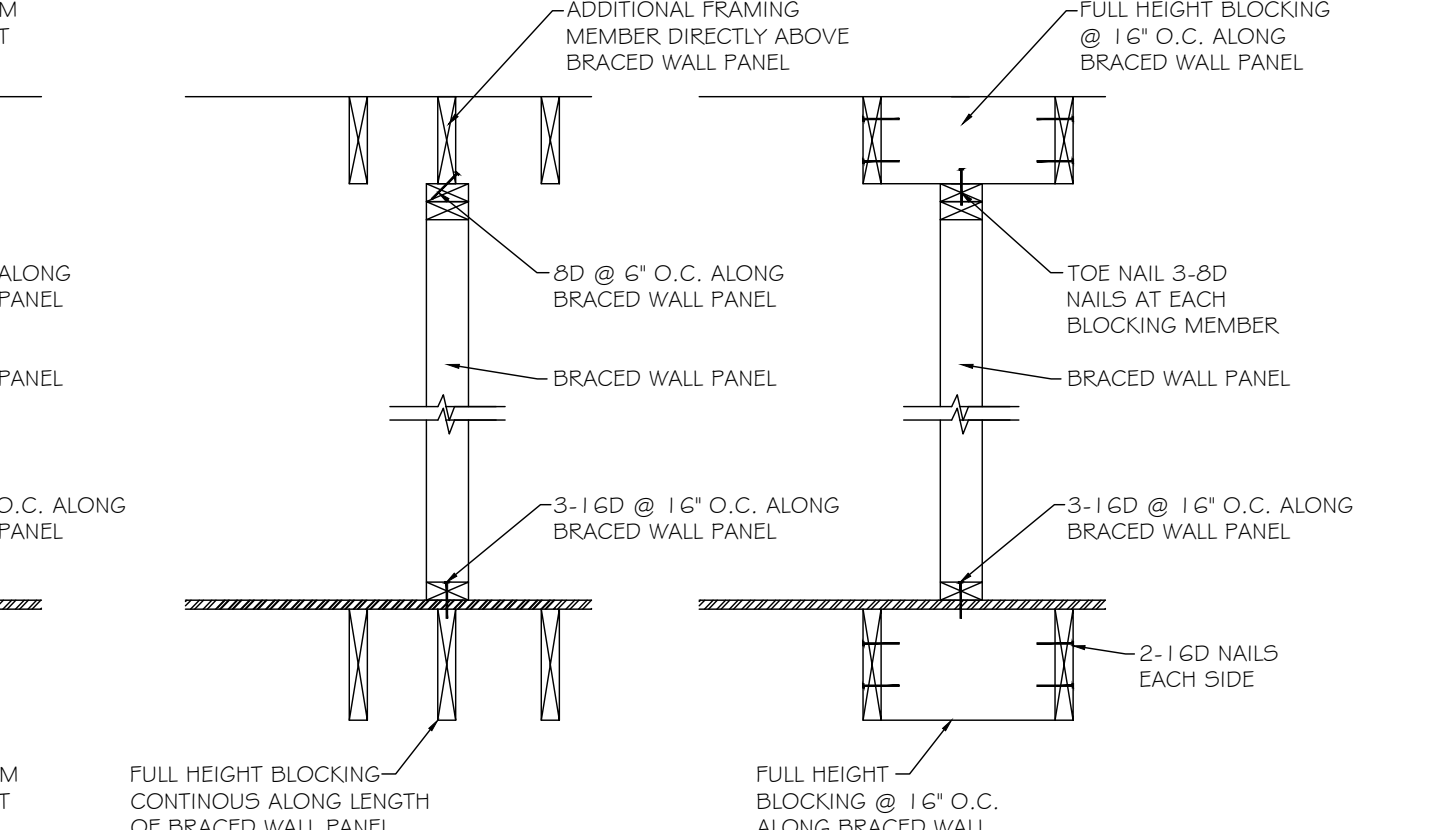
MINIMUM VALUES FOR ENERGY COMPLIANCE:
ZONE 4
MAX. GLAZING U-FACTOR = 0.35
CEILING: R-38, WALLS: R-15, FLOORS: R-19

HEATED SQUARE FOOTAGE	
FINISHED BASEMENT	N/A
FIRST FLOOR	2417 SF
SECOND FLOOR	N/A
THIRD FLOOR	N/A
UNHEATED SQUARE FOOTAGE	
UNFIN BASEMENT	N/A
GARAGE	575 SF
UNFIN STORAGE	1646 SF
OTHER	556 SF

RESIDENTIAL CODE SUMMARY & NOTES



BRACED WALL PANEL CONNECTION WHEN PERPENDICULAR TO FLOOR/CEILING FRAMING



BRACED WALL PANEL CONNECTION WHEN PARALLEL TO FLOOR/CEILING FRAMING

HARRIS
STRUCTURAL DESIGN, PA

3206 Heritage Trade Dr. Ste. 116
Wake Forest, NC 27587
PH: (919) 556-6032
FAX: (919) 556-6032
CELL: (919) 946-0798
EMAIL: thomas-hsd@nc.rr.com

Corp. License Number C-2550



SEAL DATE: 9-2-2026

CREEDMOOR HOLDING CO.
LOT 5 SHORELINE DR.

issue date:
8-25-26

Copyright © 2026 by
Harris Structural
Design, PA.
All rights reserved.

All drawings and copies thereof are instruments of service and as such remain the property of Harris Structural Design, PA. They are produced for one-time use only with respect to this project. Harris Structural Design, PA reserves the right to use these plans at its own discretion. Approval from a licensed building inspector will be the responsibility of the consumer if required. Nominal dimensions may be used. Do not scale drawings.

project
dwg. by TWB
chk. by TBH

content
TYPICAL DETAILS

sheet