

ABBREVIATIONS

A/C	AIR CONDITIONING	INSUL	INSULATION
ABV.	ABOVE	INT.	INTERIOR
AFF.	ABOVE FINISHED FLOOR	JST.	JOIST
ALT.	ALTERNATE	KIT.	KITCHEN
APPROX.	APPROXIMATE	LTL	LINTEL
ASF	ABOVE SUB-FLOOR	LVR.	LOUVER
B&B	BOARD & BATTEN	MECH.	MECHANICAL
BLDG.	BUILDING	MFR.	MANUFACTURER
BLK	BLOCK	NTS.	NOT TO SCALE
BM.	BEAM	OC	ON CENTER
BSMNT.	BASEMENT	OF.	OUTSIDE FACE OF STUD
CO.	CASED OPENING	OH.	OVERHEAD
CAB.	CABINET	OPNG.	OPENING
CJ.	CEILING JOIST	PT.	PRESSURE TREATED
CLG.	CEILING	RAFG	RETURN AIR FILTER GRILL
CMU.	CONCRETE MASONRY UNIT	RAD.	RADIUS
COL.	COLUMN	REC.	RECREATION
CONC.	CONCRETE	REG.	REGISTER
CONT.	CONTINUOUS	REQ'D.	REQUIRED
CSMNT.	CASEMENT	REV.	REVISION
DH.	DOUBLE HUNG	RFG.	ROOFING
DIAG.	DIAGONAL	RM.	ROOM
DIM.	DIMENSION	RO	ROUGH OPENING
DIN.	DINING	SCRN.	SCREEN
DNL.	DRAIN	SQFT.	SQUARE FOOT
DW.	DISHWASHER	SHVS.	SHELVES
DWR.	DRAWER	SHT.	SHEET
ELEV.	ELEVATOR	SPEC'D.	SPECIFIED
EXT.	EXTERIOR	STD.	STANDARD
FFE.	FINISHED FLOOR ELEVATION	STOR.	STORAGE
FLR.	FLOOR	T&G	TONGUE IN GROOVE
FND.	FOUNDATION	TB.	TOWEL BAR
FRFL.	FIREPLACE	TFL.	TOP OF PLATE
FTG.	FOOTING	TYP.	TYPICAL
H/C	HANDICAP	UNF.	UNFINISHED
HB.	HOSE BIB	VERT.	VERTICAL
HDR.	HEADER	WD.	WOOD
HORIZ.	HORIZONTAL	WH	WATER HEATER
HT.	HEIGHT	WIC.	WALK-IN CLOSET
HVAC	HEATING, VENTILATION & A/C	WP	WATERPROOFING
HW	HOT WATER	WWM	WELDED WIRE MESH

AREA CALCULATION

LIVING SPACE	
FIRST FLOOR:	330 SQFT
SECOND FLOOR:	1218 SQFT
TOTAL LIVING:	1608 SQFT
NON-LIVING SPACE	
GARAGE:	110 SQFT
GREENHOUSE:	320 SQFT
FRONT PORCH:	53 SQFT
TOTAL NON-LIVING:	1083 SQFT

SQUARE FOOTAGE IS CALCULATED FROM EXTERIOR CORNER TO EXTERIOR CORNER, INCLUDING WALLS. BRICK VENEER IS INCLUDED IN ALL FINAL SQUARE FOOTAGE CALCULATIONS. STAIRWAYS ARE COUNTED ON EACH FLOOR.

NOTES:

- THESE PLANS, NOTES AND DETAILS ARE DESIGNED TO MEET THE REQUIREMENTS OF THE 2018 NC RESIDENTIAL BUILDING CODE.
- ALL NOTES ARE APPLICABLE UNLESS NOTED OTHERWISE (UNO)
- THIS DETAIL SHEET IS TO BE USED ONLY IN CONJUNCTION WITH PLANS CREATED BY TRIANGLE RESIDENTIAL DESIGNS
- SEALED ENGINEER'S DRAWINGS TAKE PRECEDENCE OVER TRD'S STANDARD DETAILS NOTES

DESIGN LOADS

FLOOR LIVE LOAD (SLEEPING): 30 PSF
 FLOOR LIVE LOAD (ALL OTHERS): 40 PSF
 DECKS: 40 PSF
 BALCONIES: 60 PSF
 ATTIC DEAD LOAD (NO STOR.): 10 PSF
 ATTIC LIVE LOAD (STORAGE): 20 PSF
 ATTIC W/STAIRS (DEVELOPABLE): 40 PSF

MINIMUM VALUES FOR ENERGY COMPLIANCE

CEILINGS: R-38
 WALLS: R-15
 FLOORS: R-13
 BASEMENT WALLS: R-7
 CRAWL SPACE WALLS: R-8
 SLAB PERIMETER @ 24" DEEP: R-4
 MAX. GLAZING U-FACTOR = 0.35
 DESIGNED FOR WIND ZONE OF 120 MPH

COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS

MEAN ROOF HEIGHT				
	UP TO 30'	30'-1" TO 35'	35'-1" TO 40'	40'-1" TO 45'
ZONE 1	16.5, -18.0	17.3, -18.9	18.0, -19.6	18.5, -20.2
ZONE 2	16.5, -21.0	17.3, -22.1	18.0, -22.9	18.5, -23.5
ZONE 3	16.5, -21.0	17.3, -22.1	18.0, -22.9	18.5, -23.5
ZONE 4	18.0, -19.5	18.9, -20.5	19.6, -21.3	20.2, -21.8
ZONE 5	18.0, -24.1	18.9, -25.3	19.6, -26.3	20.2, -27.0

SEE NC BUILDING CODE FOR LOCATION OF ZONES

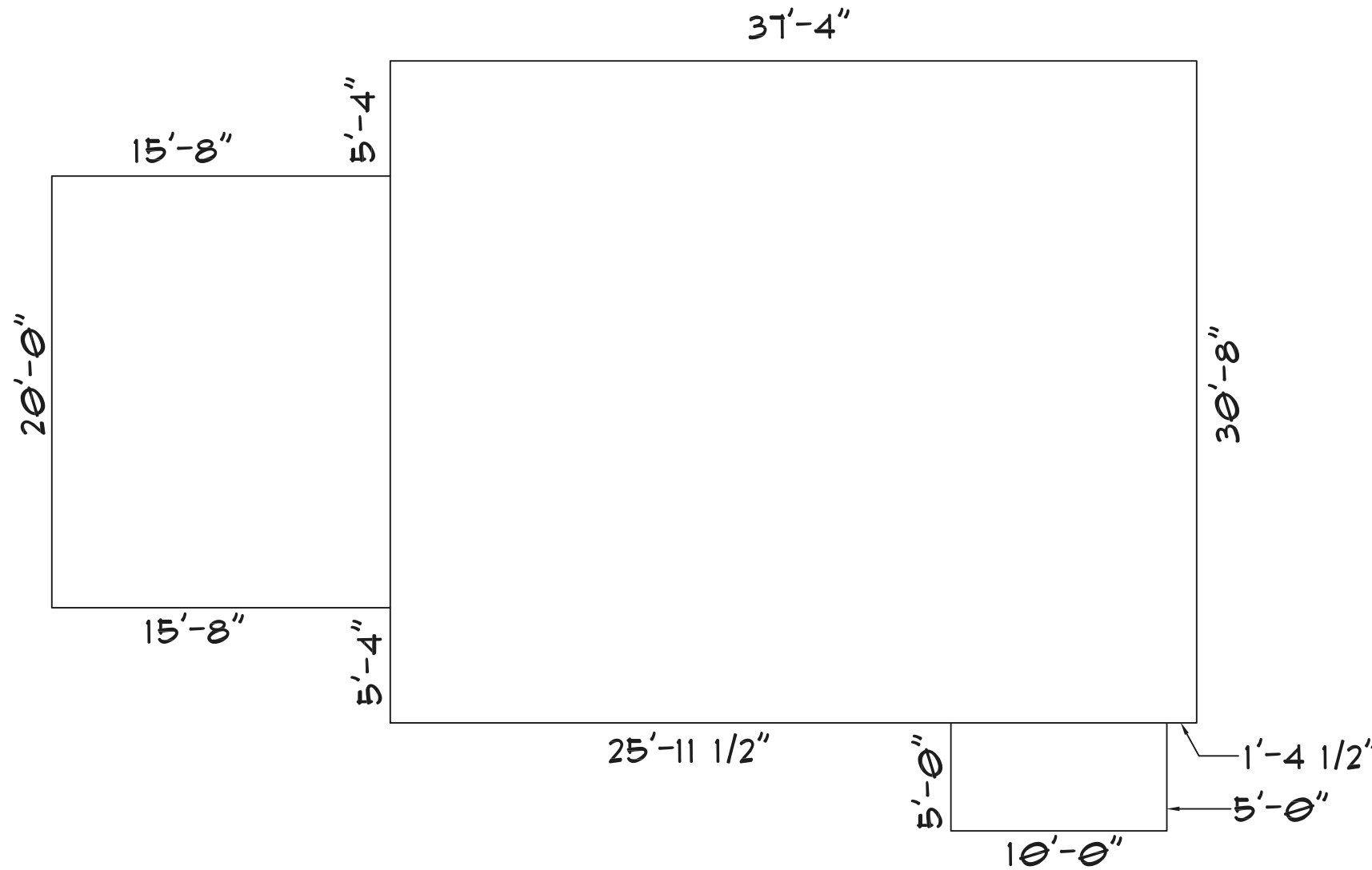
PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARDS AND AWAY FROM THE BUILDING SURFACES

RESIDENCE FOR RANDY HEDGEPEETH

HWY 55 WEST, COATS, NC 27521, HARNET COUNTY



FRONT ELEVATION
NO SCALE



BUILDING FOOTPRINT
NO SCALE

GENERAL NOTES:

- 1) ALL NOTES ARE APPLICABLE UNLESS NOTED OTHERWISE (UNO)
- 2) THESE PLANS ARE DESIGNED TO BE USED BY A LICENSED GENERAL CONTRACTOR
- 3) DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS
- 4) ALL PHASE PLANS ARE TO BE HANDLED BY THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE
- 5) ENGINEER'S INFORMATION AND NOTES TAKE PRECEDENCE OVER TRD'S PLANS AND NOTES

GENERAL CONTRACTOR:

- 1) PRIOR TO CONSTRUCTION, REVIEW ALL PLANS VERIFYING DIMENSIONS AND CONDITIONS, LOCAL CODES, ENERGY TYPES AND SITE CONDITIONS.
- 2) PRIOR TO CONSTRUCTION, REVIEW ALL LISTED WINDOW SIZES AND COMPARE WITH ELEVATION DRAWINGS TO INSURE ACCURACY. REVIEW ALL WINDOWS AND DOOR OPENINGS FOR CLEARANCE AND ACCURACY.
- 3) INSURE ALL PHASES OF CONSTRUCTION COMPLY WITH BUILDING CODES IN THE AREA THE HOME IS TO BE BUILT
- 4) CONSULT WITH LOCAL ENGINEER FOR STRUCTURAL DESIGN
- 5) ANY DISCREPANCY IN THE PLANS IS TO BE BROUGHT TO THE ATTENTION OF TRD FOR CORRECTION PRIOR TO CONSTRUCTION. ONCE CONSTRUCTION BEGINS, THE CONTRACTOR ASSUMES ALL RESPONSIBILITY
- 6) IF AN UNSPECIFIED PRODUCT CAUSES AN ERROR IN THE PLAN OR DURING CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ADJUSTMENTS AS REQUIRED.

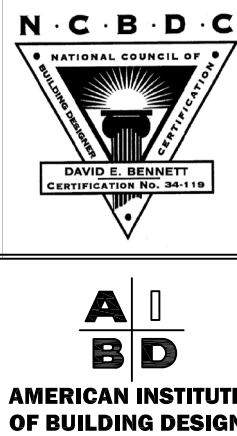
NON-EXCLUSIVE LICENSING & LIABILITY:

- 1) THE PURCHASER OF THIS PLAN HAS BEEN GRANTED A NON-EXCLUSIVE, NON-TRANSFERABLE LICENSE TO USE THIS COPYRIGHTED PLAN TO BUILD ONE HOME.
- 2) THE PLANS ARE NOT TO BE REPRODUCED, WHOLE OR IN PART, OR RESOLD, WITHOUT WRITTEN CONSENT FROM TRD.
- 3) THE LIABILITY OF TRD IN CONNECTION WITH THIS PLAN AND THE HOME BUILT THEREFROM IS LIMITED TO THE TOTAL FEES PAID BY THE PURCHASER OF THE PLAN.
- 4) TRD ASSUMES NO LIABILITY FOR ALTERATIONS TO THE PLANS, FIELD MODIFICATIONS OF THE PLANS OR STRUCTURAL COMPONENTS. THEY ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR

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SHEET 9 1-4	STRUCTURAL SHEETS

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CLIENT: RANDY HEDGEPEETH

PROJECT: RESIDENCE

DRAWN BY:

DEB

DATE:

APRIL 15, 2025

REVISED:

SHEET

OF

1

6

GENERAL NOTES:

- 1) THESE PLANS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE NCBC 2018 RESIDENTIAL CODE
2) THESE PLANS ARE DESIGNED TO BE USED BY A LICENSED GENERAL CONTRACTOR
3) DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS
4) ALL FIVE PLANS ARE TO BE HANDLED BY THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE
5) ENGINEER'S INFORMATION AND NOTES TAKE PRECEDENCE OVER TRD PLAN

GENERAL CONTRACTOR:

- 1) PRIOR TO CONSTRUCTION, REVIEW ALL PLANS VERIFYING DIMENSIONS, LOCAL CODES, ENERGY TYPES AND SITE CONDITIONS
2) ANY DISCREPANCY IN THE PLANS IS TO BE BROUGHT TO THE ATTENTION OF TRD FOR CORRECTION PRIOR TO CONSTRUCTION. OTHERWISE IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR
3) INSURE ALL PHASES OF CONSTRUCTION COMPLY WITH BUILDING CODES IN THE AREA THE HOME IS TO BE BUILT
4) CONSULT WITH LOCAL ENGINEER FOR STRUCTURAL DESIGN
5) ONCE CONSTRUCTION BEGINS, CONTRACTOR ASSUMES ALL RESPONSIBILITY
6) IF THE PURCHASE OF A SPECIFIC PRODUCT REQUIRES ALTERATIONS TO THE COMPLETED PLAN, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ADJUSTMENTS IN THE FIELD AS REQUIRED

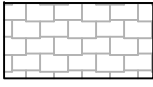

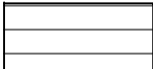
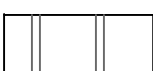



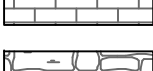


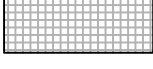
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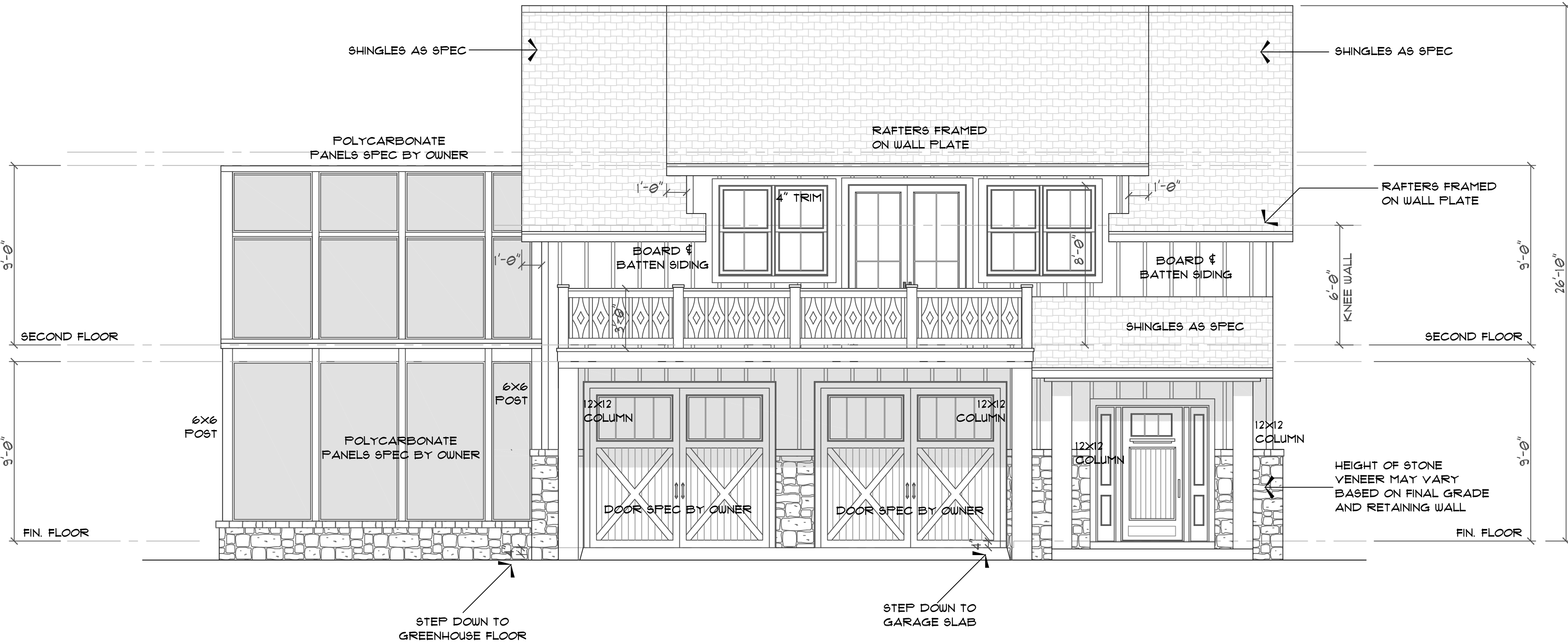
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3) TRD ASSUMES NO LIABILITY FOR ALTERATIONS TO THE PLANS, FIELD MODIFICATIONS OF THE PLANS OR STRUCTURAL COMPONENTS. THEY ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR

NON-EXCLUSIVE LICENSE:

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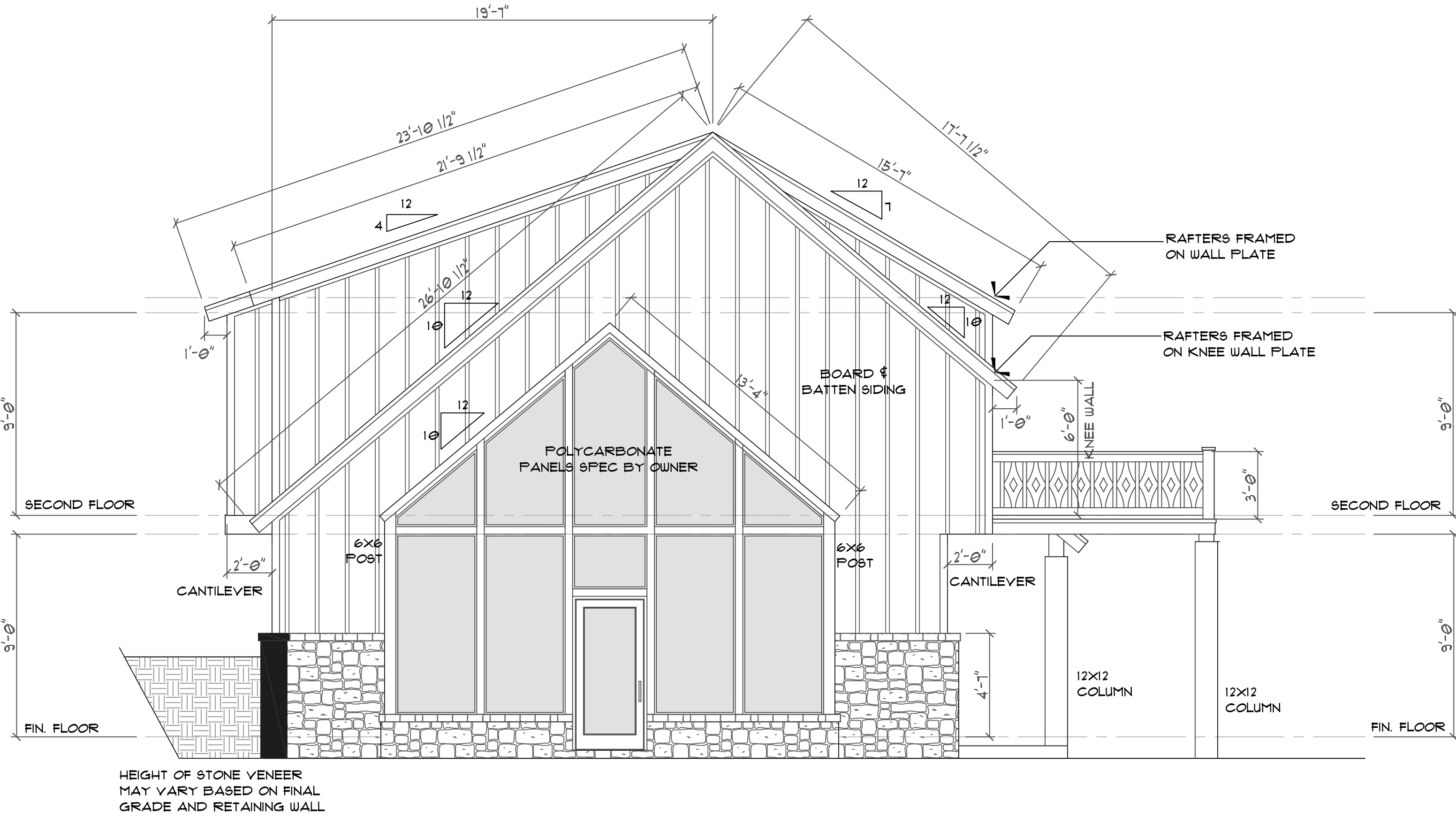
EXTERIOR MATERIALS

- | | |
|---|--------------------------|
|  | ROOF SHINGLES |
|  | METAL ROOF |
|  | HORIZONTAL SIDING |
|  | BOARD & BATTEN SIDING |
|  | VERTICAL SIDING |
|  | SHAKE SIDING |
|  | BRICK |
|  | STONE |
|  | STUCCO OR PARING |
|  | SCREEN |
|  | BRICK ROWLOCK OR SOLDIER |



FRONT ELEVATION

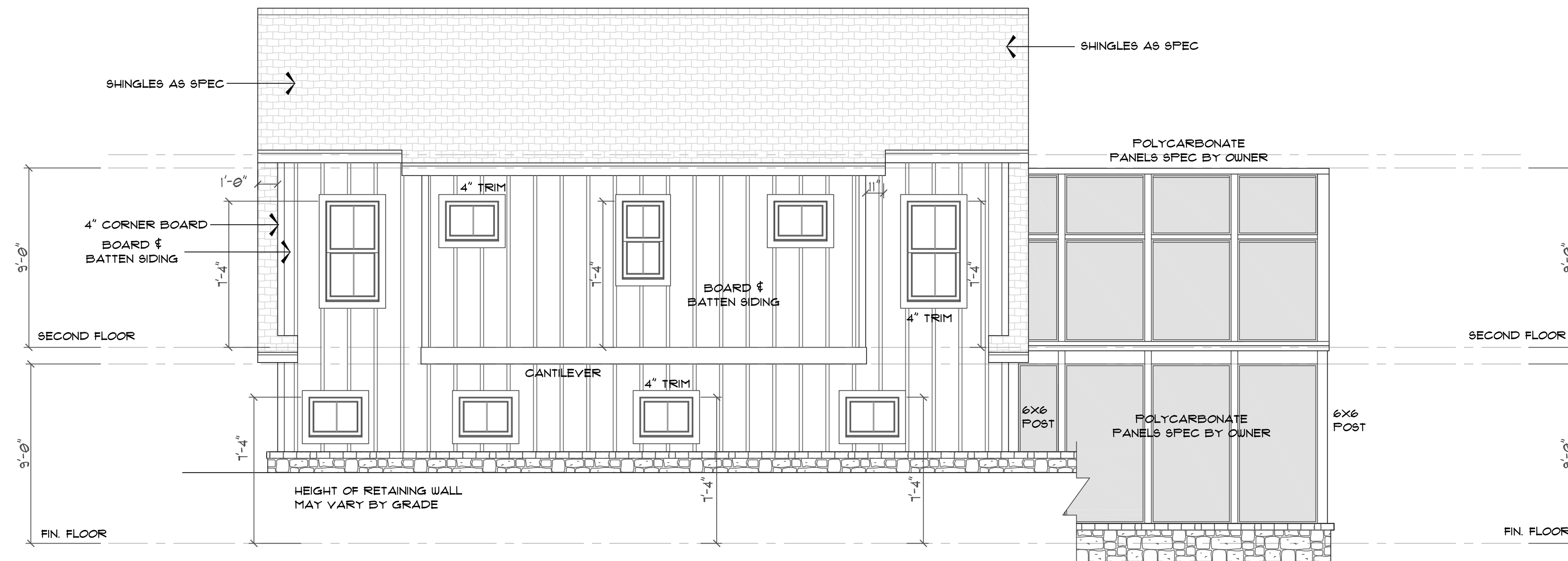
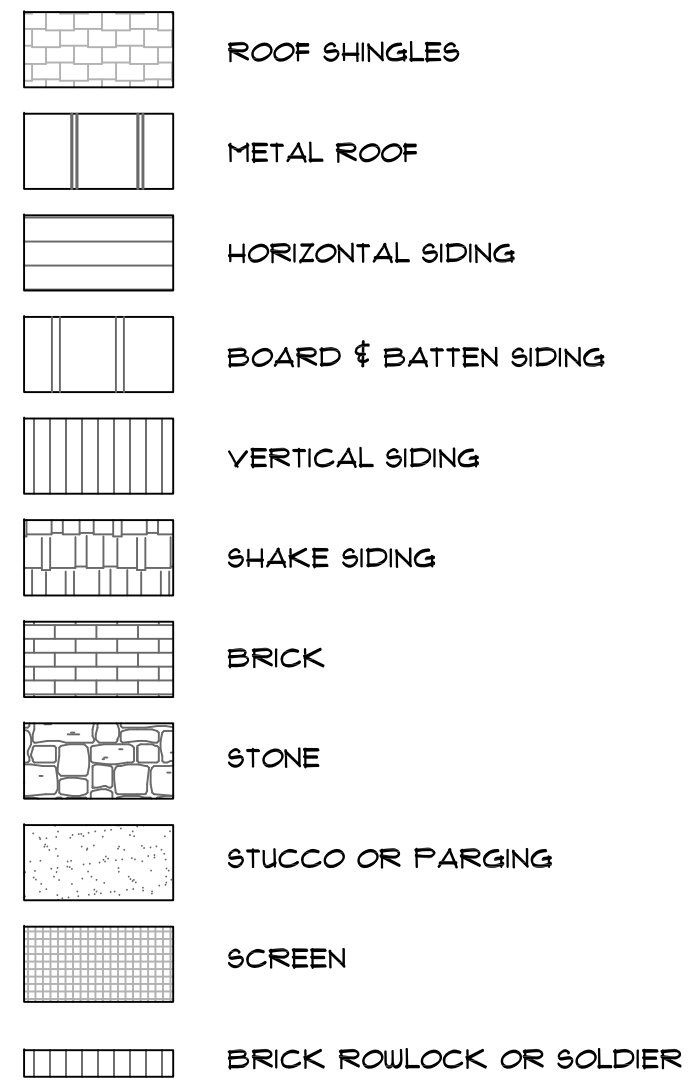
SCALE: 1/4"=1'-0"



LEFT SIDE ELEVATION

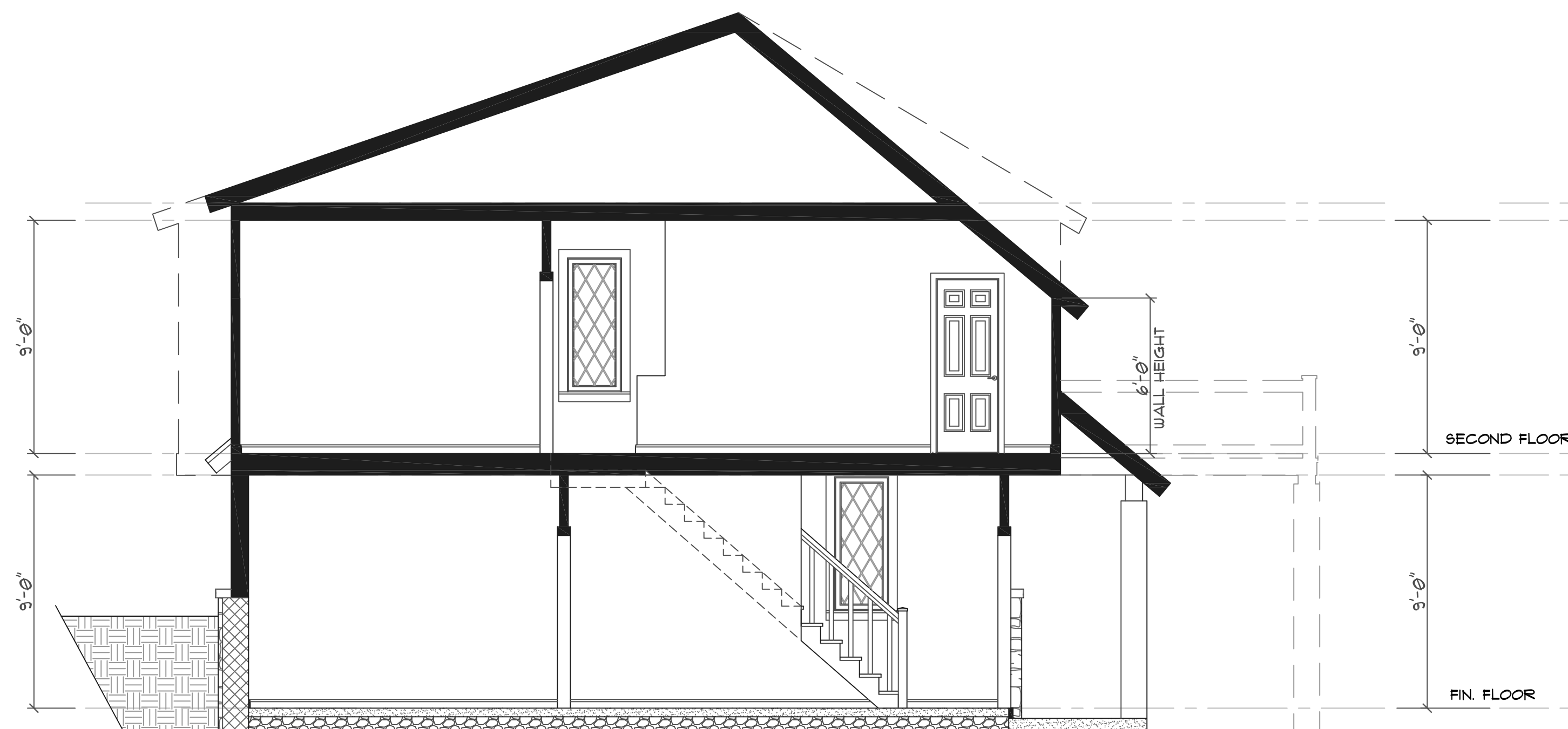
SCALE: 1/4"=1'-0"

EXTERIOR MATERIALS



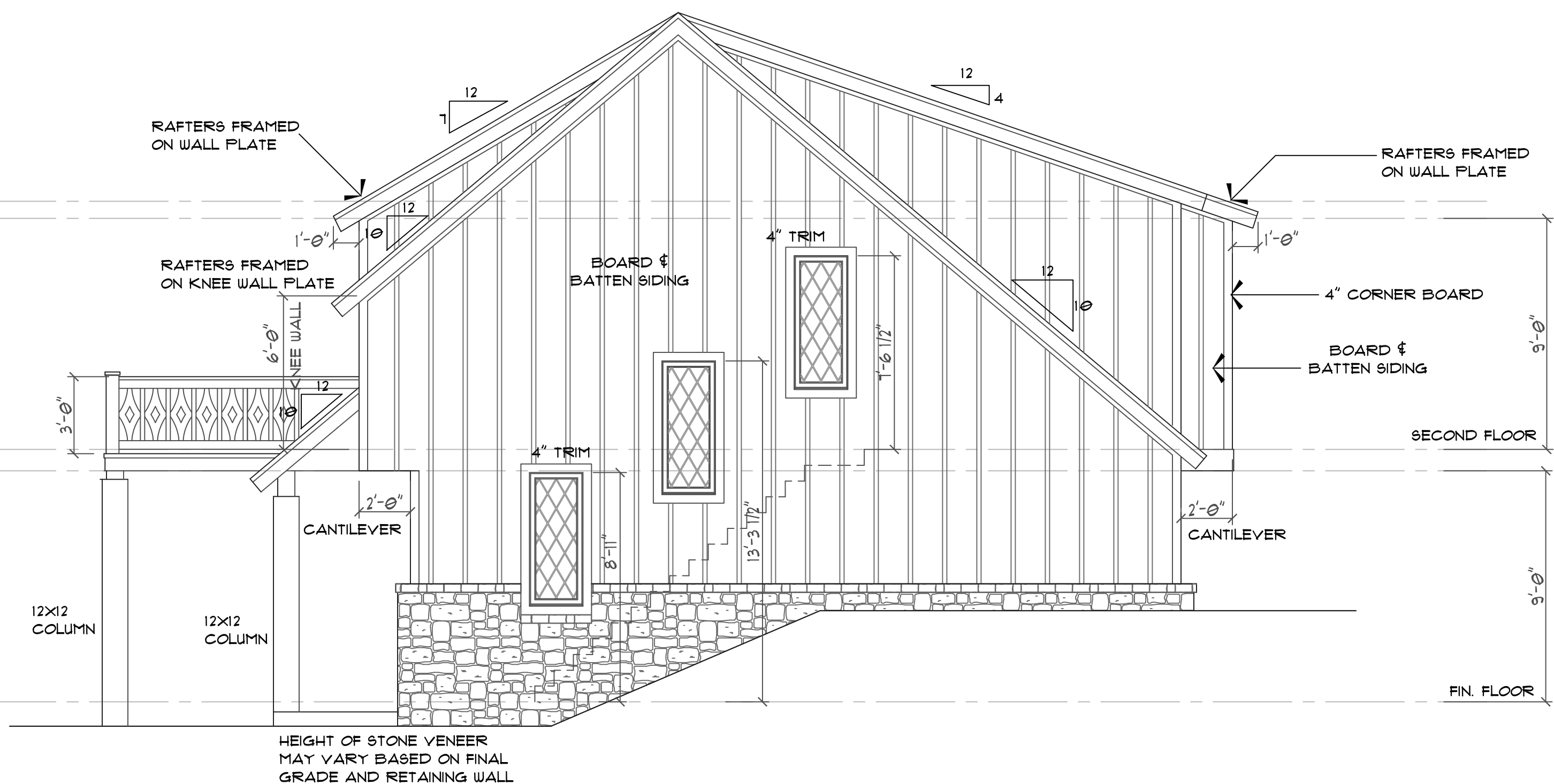
REAR ELEVATION

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



CROSS SECTION "J"

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



RIGHT SIDE ELEVATION

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

FLOOR PLAN NOTES

- 1) ALL JOIST SPANS ARE CALCULATED USING #2 GRADE SPRUCE PINE FIR.
- 2) JOIST SIZES ARE SHOWN AT MINIMUM TO MEET STRUCTURAL REQUIREMENTS. SIZES MAY BE INCREASED TO PROVIDE MINIMUM INSULATION VALUES OR AIR PASSAGES.
- 3) PROVIDE DOUBLE FLOOR JOISTS AT ALL NON LOAD BEARING PARTITION WALLS RUNNING PARALLEL TO FLOOR JOISTS. ALSO UNDER ALL BOOKCASES, CABINETS, TUBS AND WASHING MACHINES (RECOMMENDED - NOT REQUIRED).
- 4) FLOOR JOISTS MUST BEAR 1.5" MIN. ON WOOD OR METAL AND 3" MIN. ON MASONRY OR CONCRETE.
- 5) PROVIDE 1"x4" CROSS-BRACING OR SOLID BLOCKING BETWEEN FLOOR JOISTS AT 6'-0" O.C. MAX. (RECOMMENDED BUT NOT REQUIRED.)
- 6) ALL EXTERIOR AND LOAD BEARING HEADERS ARE TO BE (2)-2X10.
- 7) MINIMUM LVL DESIGN STRENGTH: E#2.0 X 2 MILLION PSI, FB#2800 PSI, FX#285 PSI
- 8) ALL LVL BEAMS TO HAVE 3 STUDS EACH END.
- 9) LOAD BEARING HEADER JACKS MUST REST ON DOUBLE JOISTS - SUPPLY EXTRA JOISTS AS REQUIRED.
- 10) DRAFTSTOPPING AND FIREBLOCKING AS REQUIRED PER CODE.
- 11) DESIGNS FOR WOOD FLOOR TRUSSES MUST BE PREPARED BY A REGISTERED DESIGN PROFESSIONAL.

WOOD WALL CONSTRUCTION

- 1) ALL STUDS ARE TO BE #3 GRADE STANDARD OR STUD GRADE LUMBER. - #2 GRADE RECOMMENDED BUT NOT REQUIRED.
- 2) ALL INTERIOR LOAD-BEARING WALLS SHALL BE CONSTRUCTED, FRAMED & FIREBLOCKED AS SPECIFIED FOR EXTERIOR WALLS.
- 3) WALLS ARE 2X4 STUDS @ 16" O.C.
- 4) ALL OPEN AREA, TWO STORY WALLS ARE TO BE BALLOON FRAMED, 2"x 6" STUDS AT 12" O.C.
- 5) DRAFTSTOPPING AND FIREBLOCKING REQUIRED AS PER CODE.
- 6) ALL OPEN AREA, TWO STORY WALLS ARE TO BE BALLOON FRAMED, 2"x 6" STUDS AT 12" O.C.
- 7) WINDOWS SHOULD BE RATED FOR 25PSI.

GARAGE DOOR WALL CONSTRUCTION

- ONLY FOR GARAGE DOOR WALLS THAT DO NOT MEET BRACING REQUIREMENTS OF THE NC 2002 RESIDENTIAL BUILDING CODE:
- 1) PLACE (2)-1/2" DIAM. ANCHOR BOLTS AT OUTSIDE QUARTER OF THESE PANELS. EXTEND #4 STEEL REINFORCING VERTICALLY, LAPPING THE ANCHOR BOLT A MINIMUM OF 6" AND EXTENDING TO THE FOOTING WITH A 4" MINIMUM HORIZONTAL LEG INTO THE FOOTING. THE FOOTING MUST BE REINFORCED WITH (1) #4 BAR TOP AND BOTTOM IN THIS AREA. SECURE WALL TO ANCHOR BOLTS WITH SIMPSON 'STRONG TIE' LTT131, HTT16, HTT22, MTT22B OR TENSION TIE WITH 1800# MINIMUM CAPACITY.
 - 2) FULLY FACE GARAGE WALL WITH 1/16" OSB OR 1/2" CDX, NAILED PER TABLE R6-02.3(1) AND BLOCKED AT ALL WOOD STRUCTURAL PANEL SHEATHING EDGES.

GARAGE

- 1) DOOR FROM GARAGE TO HOUSE MUST BE 1-3/8" THICK SOLID WOOD OR SOLID OR HONEYCOMBED CORE STEEL DOORS OR 20 MIN. FIRE RATED.
- 2) GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE.

STAIRWAYS

- 1) STAIRWAYS SHALL BE A MINIMUM 3'-0" WIDE.
- 2) HANDRAILS SHALL NOT PROJECT MORE THAN 4.5" ON EITHER SIDE.
- 3) MINIMUM CLEAR WIDTH OF THE STAIRWAY AT AND BELOW THE HANDRAIL SHALL NOT BE LESS THAN 31.5" WHERE THE HANDRAIL IS INSTALLED ON ONE SIDE AND 21" WHERE HANDRAILS ARE ON BOTH SIDES.
- 4) STAIRS NOT REQUIRED FOR EGRESS MAY BE AS NARROW AS 26"
- 5) MAXIMUM RISER HEIGHT SHALL BE 8-1/4" AND THE MINIMUM TREAD DEPTH SHALL BE 9".
- 6) NOSING SHALL BE 3/4" MINIMUM AND 1-1/4" MAXIMUM.
- 7) MINIMUM HEADROOM IN ALL PARTS OF THE STAIR SHALL NOT BE LESS THAN 6'-8".
- 8) WINDERS MUST, AT A POINT NOT MORE THAN 12" FROM THE SIDE WHERE THE TREADS ARE NARROWER, BE LESS THAN 9" AND THE MINIMUM WIDTH OF ANY TREAD IS NOT LESS THAN 4".
- 9) SPIRAL STAIRS MUST BE 26" WIDE MINIMUM AND TREADS MUST BE 1-1/2" AT 12" FROM THE NARROW EDGE. ALL TREADS MUST BE IDENTICAL WITH A MAXIMUM RISE OF 9-1/2". MINIMUM HEADROOM OF 6'-8" REQUIRED.
- 10) CIRCULAR STAIRS MUST, AT A POINT NOT MORE THAN 12" FROM THE SIDE WHERE THE TREADS ARE NARROWER, BE LESS THAN 9" AND THE MINIMUM WIDTH OF ANY TREAD IS NOT LESS THAN 6".

HANDRAIL AND GUARDS

- 1) HANDRAILS SHALL HAVE A MINIMUM HEIGHT OF 34" AND A MAXIMUM HEIGHT OF 38".
- 2) PORCHES, BALCONIES OR RAISED FLOORS OVER 30" ABOVE FLOOR OR GRADE SHALL HAVE GUARD RAILS NO LESS THAN 36" HIGH.
- 3) STAIRS THAT HAVE A RISE OF 30" ABOVE THE FLOOR SHALL HAVE HANDRAILS OF 30" HIGH.
- 4) GUARDS ON OPEN SIDES OF STAIRWAYS, RAISED FLOORS, BALCONIES AND PORCHES SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL CLOSURES OF LESS THAN 4" TO REJECT A 4" SPHERE.

EMERGENCY ESCAPE

- 1) OPENINGS PROVIDED AS MEANS OF ESCAPE CANNOT HAVE A SILL HEIGHT OF MORE THAN 44" ABOVE THE FLOOR.
- 2) ESCAPE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 4 SQ. FT. THE MINIMUM CLEAR OPENING HEIGHT IS 22" AND THE WIDTH IS 20".
- 3) ESCAPE OPENING SHALL HAVE A TOTAL GLASS AREA OF NOT LESS THAN 5 SQ. FT. FOR A GROUND WINDOW AND 5.7 SQ. FT. FOR AN UPPER STORY WINDOW.
- 4) REQUIRED EXIT DOORS SHALL BE NO LESS THAN 3'-0" X 6'-8".

CAVITY ACCESS

- 1) MIN. CRAWL SPACE ACCESS IS 18"(W) X 24"(H) W/DBL. BAND ABOVE. PLACE AT BEST LOCATION WITH REFERENCE TO GRADE.
- 2) ACCESS MAKE BE INCREASED IF MECHANICAL EQUIPMENT IS LOCATED UNDER FLOORS - SEE NC MECHANICAL CODE FOR REQUIREMENTS.
- 3) ATTIC ACCESS SHALL BE 22"x 30" MINIMUM.

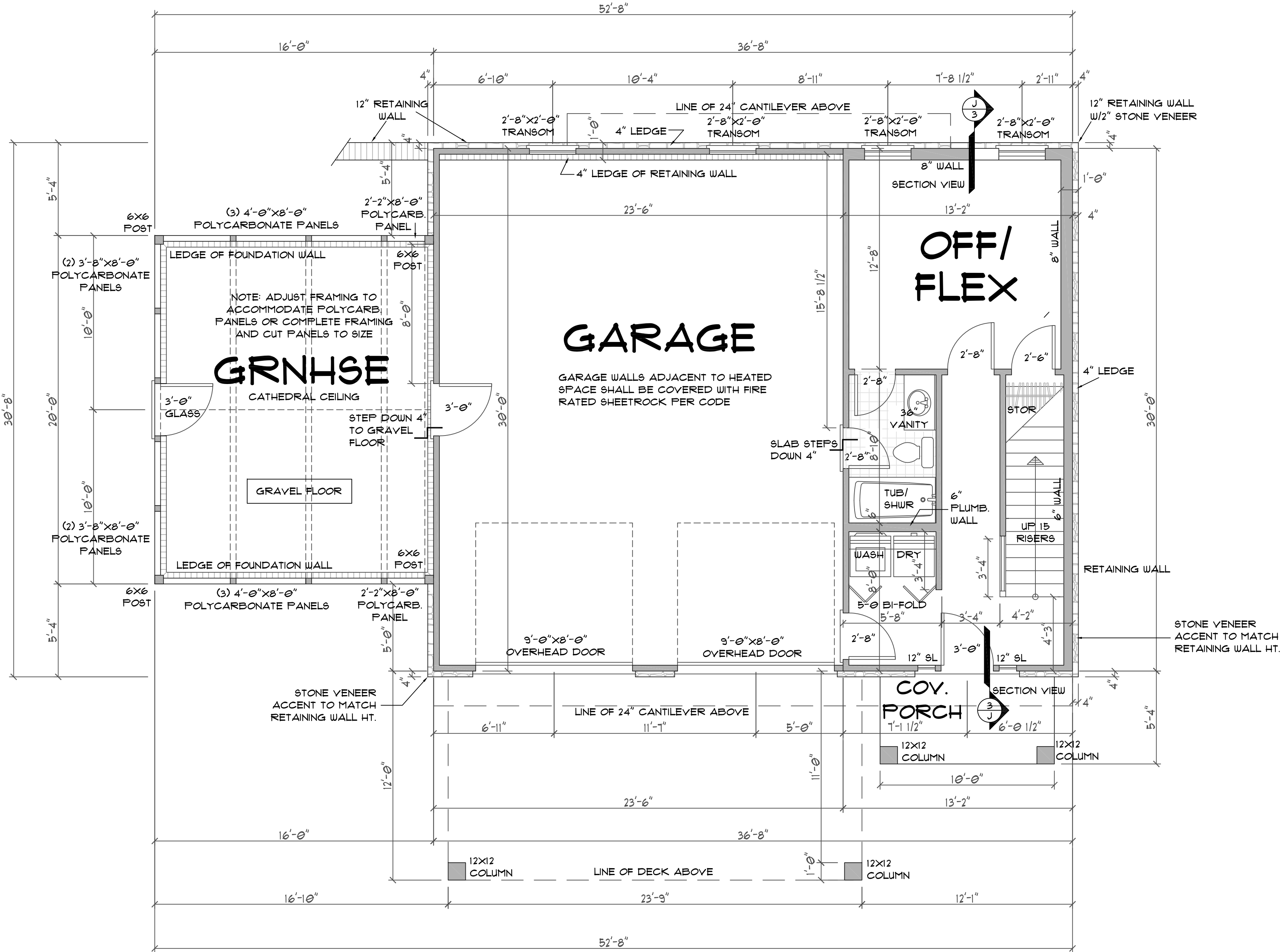
GLAZING

- 1) ALL HABITABLE ROOMS SHALL HAVE A GLAZING AREA OF NOT LESS THAN 8% OF THE FLOOR AREA.
- 2) WINDOWS SHALL HAVE A MINIMUM DESIGN REQUIREMENT OF 25#DPI AND U-40
- 3) VERIFY WINDOW EGRESS WITH WINDOW MANUFACTURER.

DECK NOTES

- 1) WHEN THE DECK IS ATTACHED TO THE STRUCTURE, THE STRUCTURE SHALL HAVE A TREATED WOOD BAND FOR THE LENGTH OF THE DECK, OR CORROSION RESISTANT FLASHING SHALL BE USED TO PREVENT MOISTURE FROM COMING IN CONTACT WITH THE UNTREATED FRAMING TO THE STRUCTURE.
- 2) THE DECK AND STRUCTURE BANDS SHALL BE CONSTRUCTED IN CONTACT WITH EACH OTHER, EXCEPT ON BRICK VENEER STRUCTURES AND WHERE PLYWOOD SHEATHING IS REQUIRED AND PROPERLY FLASHED.
- 3) SIDING SHALL NOT BE INSTALLED BETWEEN THE STRUCTURE AND THE DECK BAND.
- 4) IF ATTACHED TO A BRICK STRUCTURE, NEITHER THE FLASHING NOR A TREATED BAND FOR THE STRUCTURE IS REQUIRED. THE TREATED DECK BAND SHALL BE CONSTRUCTED IN CONTACT WITH THE BRICK VENEER.
- 5) GIRDERS SHALL BEAR DIRECTLY ON POSTS OR BE CONNECTED TO THE SIDES OF THE POSTS WITH 2-5/8" HOT DIPPED GALVANIZED BOLTS.
- 6) FLOOR DECKING SHALL BE #2 GRADE TREATED SOUTHERN PINE OR EQUIVALENT. MINIMUM FLOOR DECKING THICKNESS FOR JOISTS AT 16" O.C. IS 1" T&G.
- 7) DECKS MAY NOT BE ATTACHED TO CANTILEVERED FLOOR SYSTEMS.
- 8) ALL JOIST SPANS ARE CALCULATED USING #2 GRADE SPRUCE PINE FIR.
- 9) JOIST SIZES ARE SHOWN AT MINIMUM TO MEET STRUCTURAL REQUIREMENTS. SIZES MAY BE INCREASED.
- 10) DECKS OVER 4'-0" ABOVE GRADE SHALL BE BRACED AS PER CODE APPENDIX M.

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FIRST FLOOR PLAN

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

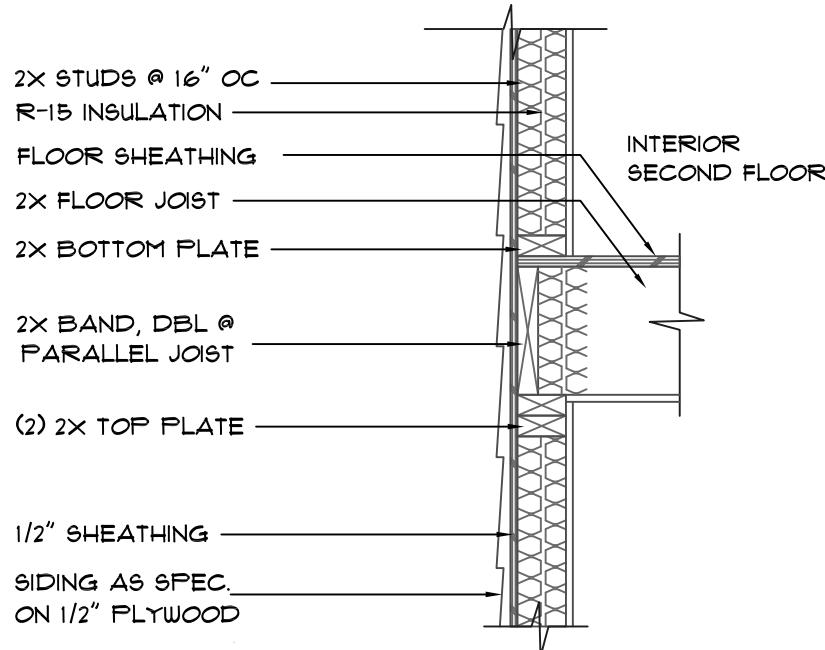
9'-0" CEILING ON THIS FLOOR

GENERAL NOTES

(UNLESS NOTED OTHERWISE - UNO)

- 1) 9'-0" CEILING ON THIS FLOOR
- 2) ALL ANGLES 45
- 3) ALL DOOR HEIGHTS 6'-0"
- 4) ALL DOOR JAMBES ARE MIN. 4"
- 5) SEE CHAPTER 6 OF THE 2018 NC RESIDENTIAL BUILDING CODE FOR WALL CONSTRUCTION
- 6) ALL HABITABLE ROOMS SHALL MEET LIGHT, VENTILATION & EGRESS CODES AS REQUIRED
- 7) ALL WINDOW SIZES & DETAILS TO BE VERIFIED WITH CHOSEN MANUFACTURER
- 8) PROVIDE SMOKE DETECTORS AS REQUIRED BY CODE
- 9) STAIRS ARE DESIGNED TO COVER A 120" MAX. RISE:
15 RISERS @ 7.86"+/- EACH OR
16 RISERS @ 7.3" +/- EACH
14 OR 15 TREADS @ 9" EACH (ROUGH CUT)
(FIELD VERIFY ALL STAIRS DIMENSIONS)

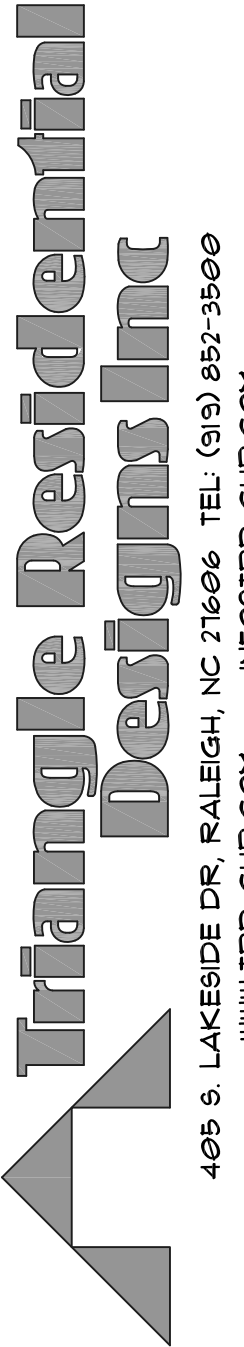
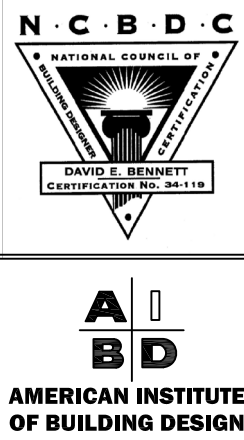
WALL SECTION - DETAIL
WALL FRAMING @ FLOORS
NO SCALE



AREA CALCULATION

LIVING SPACE	
FIRST FLOOR:	390 SQFT
SECOND FLOOR:	1218 SQFT
TOTAL LIVING:	1608 SQFT
NON-LIVING SPACE	
GARAGE:	710 SQFT
GREENHOUSE:	320 SQFT
FRONT PORCH:	53 SQFT
TOTAL NON-LIVING:	1083 SQFT

SQUARE FOOTAGE IS CALCULATED FROM EXTERIOR CORNER TO EXTERIOR CORNER, INCLUDING WALLS. BRICK VENEER IS INCLUDED IN ALL FINAL SQUARE FOOTAGE CALCULATIONS. STAIRWAYS ARE COUNTED ON EACH FLOOR.



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PROJECT:
RESIDENCE

DRAWN BY:
DEB

DATE:
APRIL 15, 2025

REVISED:

SHEET 4 OF 6

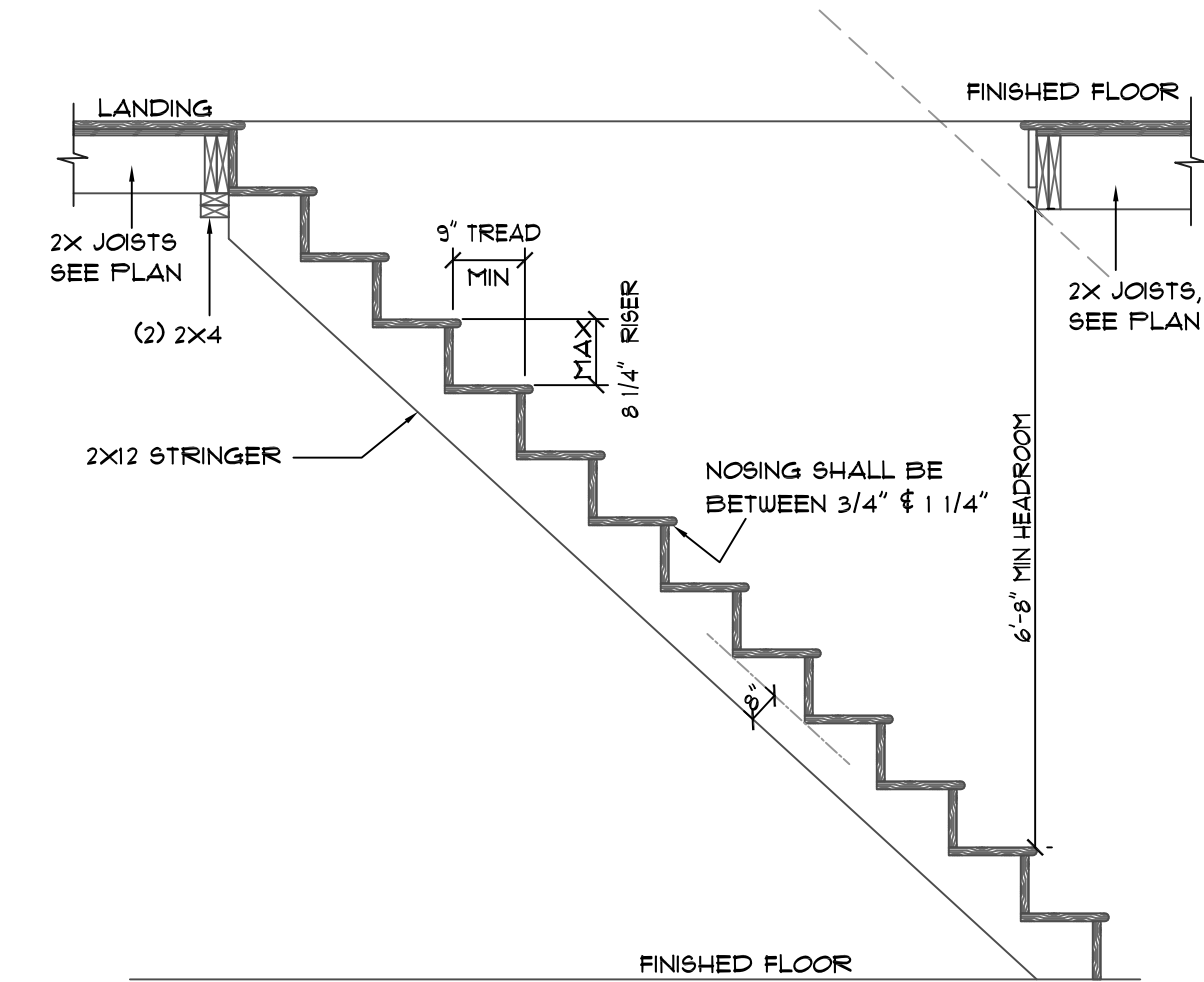
- DECK NOTES
- 1) WHEN THE DECK IS ATTACHED TO THE STRUCTURE, THE STRUCTURE SHALL HAVE A TREATED WOOD BAND FOR THE LENGTH OF THE DECK, OR CORROSION RESISTANT FLASHING SHALL BE USED TO PREVENT MOISTURE FROM COMING IN CONTACT WITH THE UNTREATED FRAMING FO THE STRUCTURE.
 - 2) THE DECK AND STRUCTURE BANDS SHALL BE CONSTRUCTED IN CONTACT WITH EACH OTHER, EXCEPT ON BRICK VENEER STRUCTURES AND WHERE PLYWOOD SHEATHING IS REQUIRED AND PROPERLY FLASHED.
 - 3) SIDING SHALL NOT BE INSTALLED BETWEEN THE STRUCTURE AND THE DECK BAND.
 - 4) IF ATTACHED TO A BRICK STRUCTURE, NEITHER THE FLASHING NOR A TREATED BAND FOR THE STRUCTURE IS REQUIRED. THE TREATED DECK BAND SHALL BE CONSTRUCTED IN CONTACT WITH THE BRICK VENEER.
 - 5) GIRDERS SHALL BEAR DIRECTLY ON POSTS OR BE CONNECTED TO THE SIDES OF THE POSTS WITH 2-5/8" HOT DIPPED GALVANIZED BOLTS.
 - 6) FLOOR DECKING SHALL BE #2 GRADE TREATED SOUTHERN PINE OR EQUIVALENT. MINIMUM FLOOR DECKING THICKNESS FOR JOISTS AT 16" O.C. IS 1" T&G.
 - 7) DECKS MAY NOT BE ATTACHED TO CANTILEVERED FLOOR SYSTEMS.
 - 8) ALL JOIST SPANS ARE CALCULATED USING #2 GRADE SPRUCE PINE FIR.
 - 9) JOIST SIZES ARE SHOWN AT MINIMUM TO MEET STRUCTURAL REQUIREMENTS. SIZES MAY BE INCREASED.
 - 10) DECKS OVER 4'-0" ABOVE GRADE SHALL BE BRACED AS PER CODE APPENDIX M.

- GENERAL NOTES (UNLESS NOTED OTHERWISE - UNO)
- 1) 9'-0" CEILING ON THIS FLOOR
 - 2) ALL ANGLES 45
 - 3) ALL DOOR HEIGHTS 6'-8"
 - 4) ALL DOOR JAMBS ARE MIN. 4"
 - 5) SEE CHAPTER 6 OF THE 2018 NC RESIDENTIAL BUILDING CODE FOR WALL CONSTRUCTION
 - 6) ALL HABITABLE ROOMS SHALL MEET LIGHT, VENTILATION & EGRESS CODES AS REQUIRED
 - 7) ALL WINDOW SIZES & DETAILS TO BE VERIFIED WITH CHOSEN MANUFACTURER
 - 8) PROVIDE SMOKE DETECTORS AS REQUIRED BY CODE

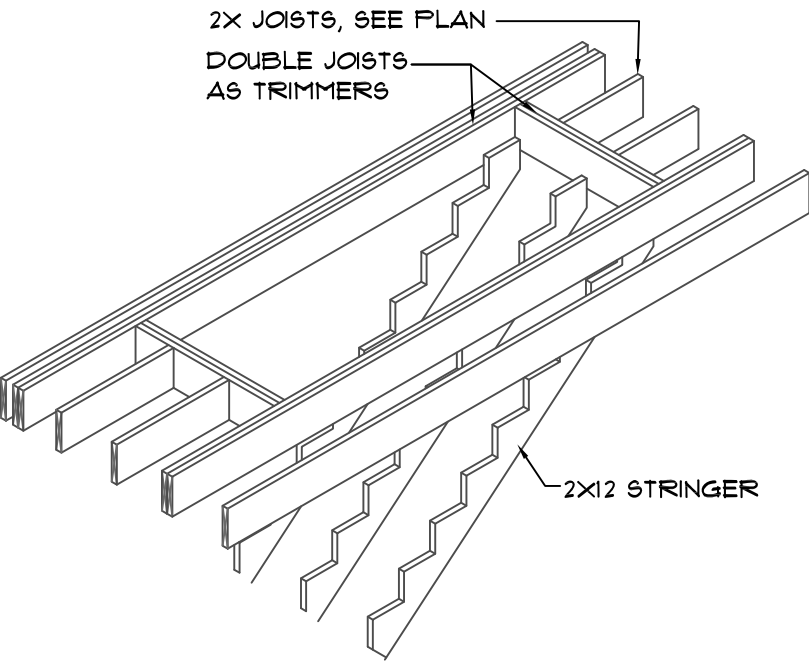
- STAIRWAYS
- 1) MINIMUM HEADROOM IN ALL PARTS OF THE STAIR SHALL NOT BE LESS THAN 6'-8".
 - 2) STAIRWAYS SHALL BE A MINIMUM 3'-0" WIDE
 - 3) STAIRS NOT REQUIRED FOR EGRESS MAY BE AS NARROW AS 26"
 - 4) MINIMUM CLEAR WIDTH OF THE STAIRWAY AT AND BELOW THE HANDRAIL SHALL NOT BE LESS THAN 31.5" WHERE THE HANDRAIL IS INSTALLED ON ONE SIDE AND 21" WHERE HANDRAILS ARE ON BOTH SIDES.
 - 5) MAXIMUM RISER HEIGHT SHALL BE 8-1/4" AND THE MINIMUM TREAD DEPTH SHALL BE 9".
 - 6) NOSING SHALL BE 3/4" MINIMUM AND 1-1/4" MAXIMUM.
 - 7) WINDERS MUST NOT BE MORE THAN 12" FROM THE SIDE WHERE THE TREADS ARE NARROWER, BE LESS THAN 9" AND THE MINIMUM WIDTH OF ANY TREAD IS NOT LESS THAN 4".
 - 8) SPIRAL STAIRS MUST BE 26" WIDE MINIMUM AND TREADS MUST BE 1-1/2" AT 12" FROM THE NARROW EDGE. ALL TREADS MUST BE IDENTICAL WITH A MAXIMUM RISE OF 9-1/2". MINIMUM HEADROOM OF 6'-8" REQUIRED.
 - 9) CIRCULAR STAIRS MUST, AT A POINT NOT MORE THAN 12" FROM THE SIDE WHERE THE TREADS ARE NARROWER, BE LESS THAN 9" AND THE MINIMUM WIDTH OF ANY TREAD IS NOT LESS THAN 6".

- HANDRAIL AND GUARDS
- 1) HANDRAILS SHALL HAVE A MINIMUM HEIGHT OF 34" AND A MAXIMUM HEIGHT OF 38".
 - 2) HANDRAILS SHALL NOT PROJECT MORE THAN 4.5" ON EITHER SIDE
 - 3) PORCHES, BALCONIES OR RAISED FLOORS OVER 30" ABOVE FLOOR OR GRADE SHALL HAVE GUARD RAILS NO LESS THAN 36" HIGH.
 - 4) STAIRS THAT HAVE A RISE OF 30" ABOVE THE FLOOR SHALL HAVE HANDRAILS OF 30" HIGH.
 - 5) GUARDS ON OPEN SIDES OF STAIRWAYS, RAISED FLOORS, BALCONIES AND PORCHES SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL CLOSURES OF LESS THAN 4" TO REJECT A 4" SPHERE.

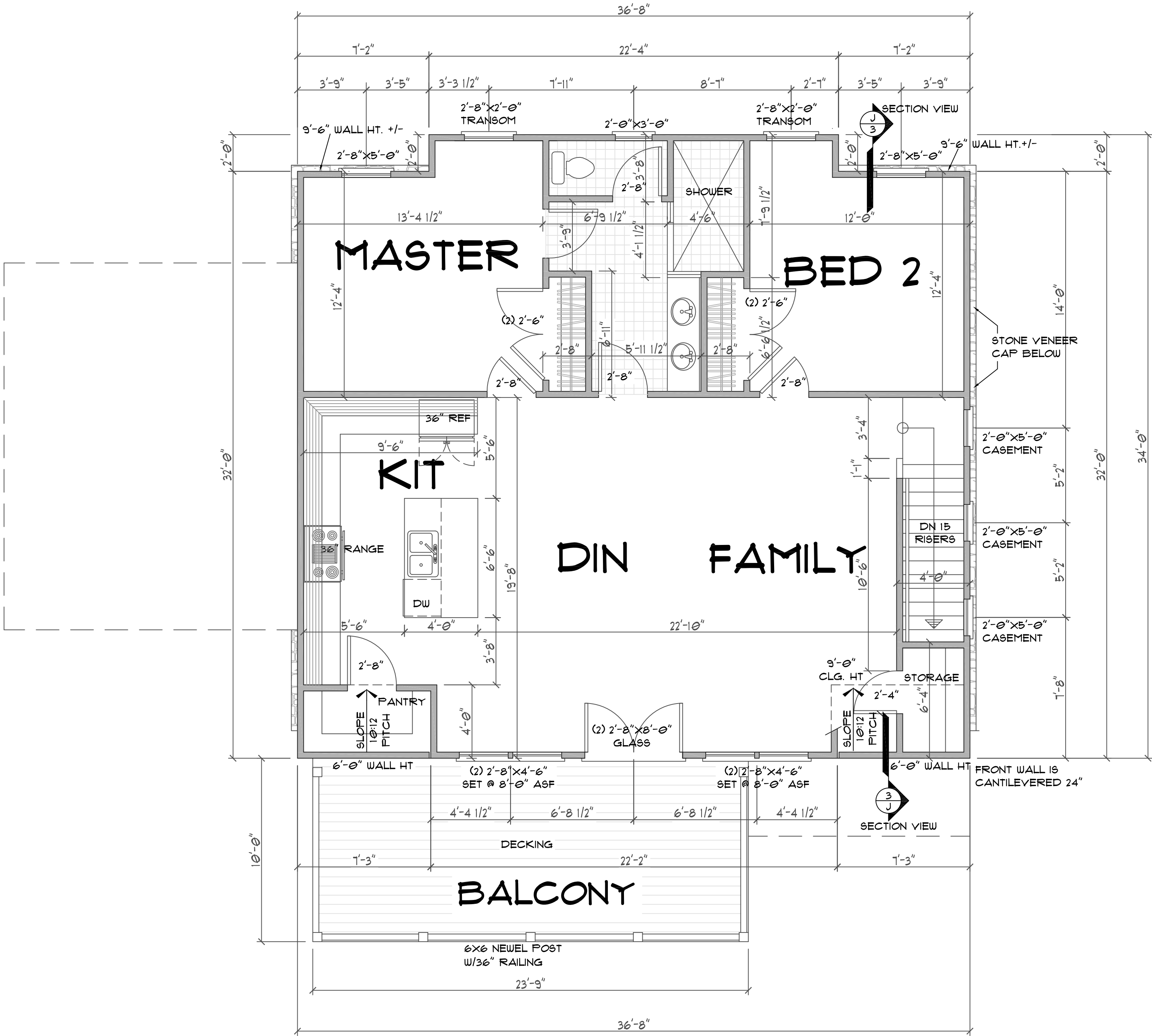
FIELD VERIFY ALL STAIRS
DIMENSIONS AND CONDITIONS
PRIOR TO BUILDING THE STAIRS



STAIR SECTION



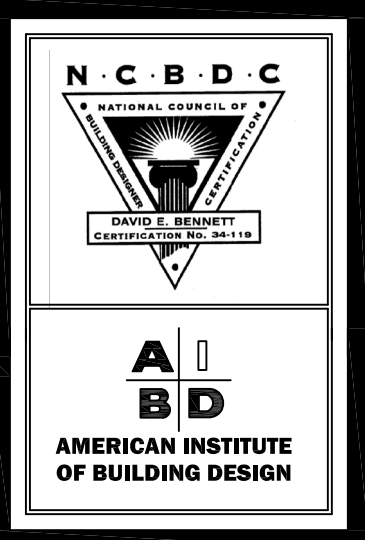
STAIR FRAMING
W/PARALLEL JSTS



SECOND FLOOR PLAN

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

9'-0" CEILING ON THIS FLOOR



Triangle Residential
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PROJECT ADDRESS:
Hwy 55 WEST
COATS, NC 27521
HARNETT COUNTY

CLIENT: RANDY HEDGEPEETH
PROJECT: RESIDENCE

DRAWN BY:
DEB

DATE:
APRIL 15, 2025

REVISED:

SHEET 5 OF 6

ROOF NOTES

- 1) RAFTER SIZES ARE SHOWN AT MINIMUM STRUCTURAL REQUIREMENTS. SIZES MAY BE INCREASED TO PROVIDE MINIMUM INSULATION VALUES OR AIR PASSAGES.
- 2) RAFTER SPANS ARE CALCULATED ON #2 GRADE SPRUCE PINE FIR.
- 3) RAFTERS SHALL BE FRAMED TO RIDGE BOARD OR TO EACH OTHER WITH A GUSSET PLATE.
- 4) RIDGE BOARDS SHALL BE AT LEAST 1" NOMINAL THICKNESS AND NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER.
- 5) OPPOSING RAFTERS AT THE RIDGE MUST ALIGN WITHIN THE THICKNESS OF THE RIDGE.
- 6) IF CLG JSTs ARE NOT PARALLEL TO RAFTERS, SUBFLOORING OR METAL TIES SHALL BE ATTACHED TO RAFTERS ENDS TO SUPPLY A CONTINUOUS TIE ACROSS THE BUILDING OR RAFTERS SHALL BE ATTACHED TO 1"x 4" CROSSTIES.
- 7) ATTACH 1"x6" OR 2"x4" COLLAR TIES IN THE UPPER THIRD OF THE ROOF TO EVERY THIRD PAIR OF RAFTERS, NOT TO EXCEED 4'-0" O.C.
- 8) ALL DORMERS SHALL HAVE DOUBLE HEADERS AND TRIMMERS.
- 9) TRUSS ROOF DRAWINGS SHALL BE PREPARED BY A REGISTERED DESIGN PROFESSIONAL.
- 10) SHINGLED ROOFS WITH PITCHES 2/12 TO 4/12 SHALL HAVE DOUBLE UNDERLAYMENT.
- 11) A CRICKET OR SADDLE IS REQUIRED FOR CHIMNEYS OVER 30" WIDE. THE COVERING SHALL BE METAL OR THE SAME MATERIAL AS THE ROOF COVERING.

ROOF NOTES FOR 2/12 TO 4/12 ROOF PITCH
(AS PER 2018 NC BUILDING CODE)

R305.2.2 SLOPE
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (2/12) OR GREATER. FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (2/12) UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (4/12), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH SECTION R305.2.1

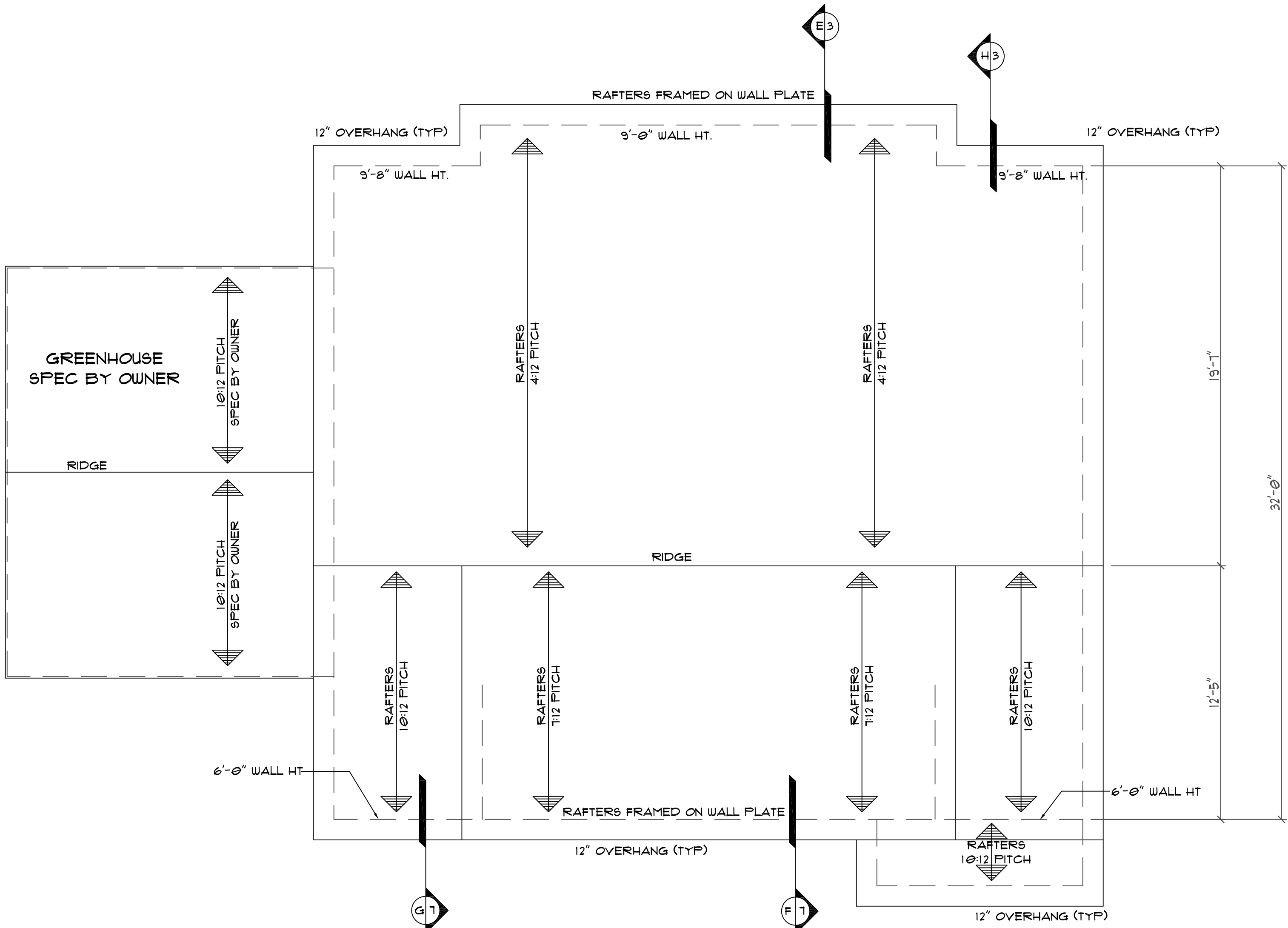
R305.2.1 UNDERLAYMENT APPLICATION
FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (1 1/2 SLOPE), UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (3/3 SLOPE), UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER. APPLY A 13-INCH (483 MM) STRIP OF UNDERLAYMENT FELT PARALLEL TO AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36-INCH-WIDE (914 MM) SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEET 19 INCHES (483 MM), AND FASTENED SUFFICIENTLY TO HOLD IN PLACE. DISTORTIONS IN THE UNDERLAYMENT SHALL NOT INTERFERE WITH THE ABILITY OF THE SHINGLES TO SEAL. FOR ROOF SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (3/3 SLOPE) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER. UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION, PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES (51 MM), FASTENED SUFFICIENTLY TO HOLD IN PLACE. DISTORTIONS IN THE UNDERLAYMENT SHALL NOT INTERFERE WITH THE ABILITY OF THE SHINGLES TO SEAL. END LAPs SHALL BE OFFSET BY 6 FEET (1826 MM).

ATTIC VENTILATION CALCULATION
(AS PER 2018 NORTH CAROLINA RESIDENTIAL CODE)

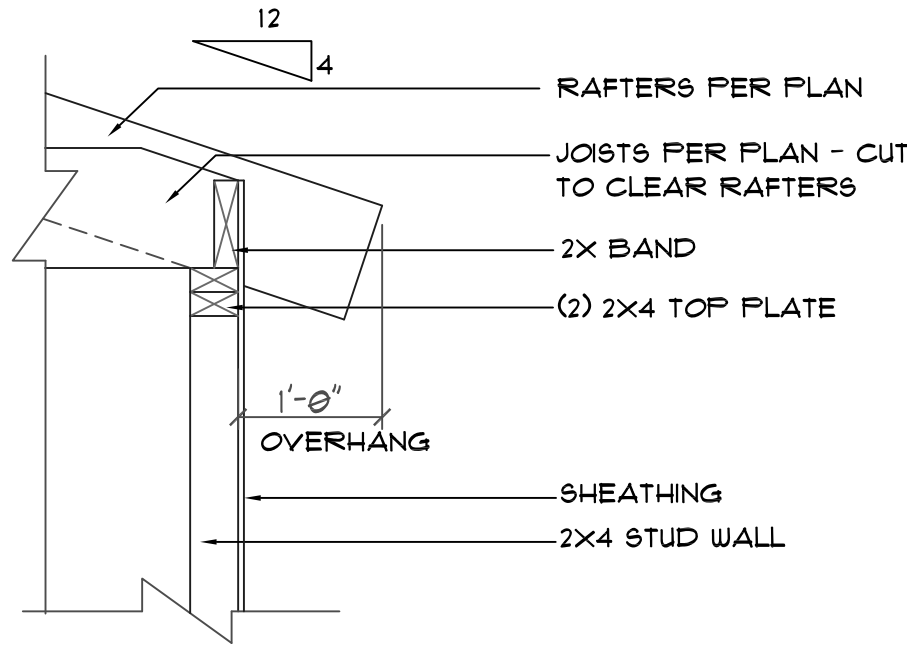
1218 SQFT. OF ATTIC/150 REQUIRES = 8 SQFT. OF FREE VENT = 4 SQFT. IN/4 SQFT. OUT.

- EAVES TO HAVE 2" CONTINUOUS EAVE/SOFFIT VENT
- IF ROOF VENTING IS INADEQUATE, SUPPLEMENT WITH POWER ROOF VENTILATORS.
- VENTILATION REQUIREMENT MAY BE REDUCED TO 1 SF/300 SF PROVIDED AT LEAST 50% AND NOT MORE THAN 80% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED, ATLEAST THREE (3) FEET ABOVE THE EAVE OR CORNICE VENTS, AND WITH THE BALANCE OF THE VENTILATION TO BE PROVIDED BY THE EAVE AND CORNICE VENTS.

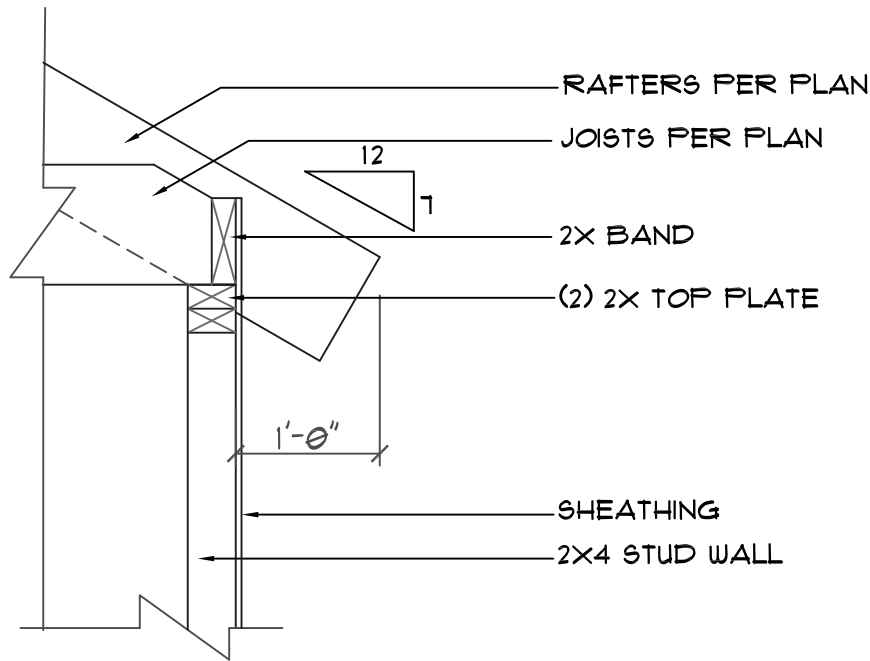
NOTE: REFER TO SECTION 806 (ROOF VENTILATION) OF THE NC STATE RESIDENTIAL CODE



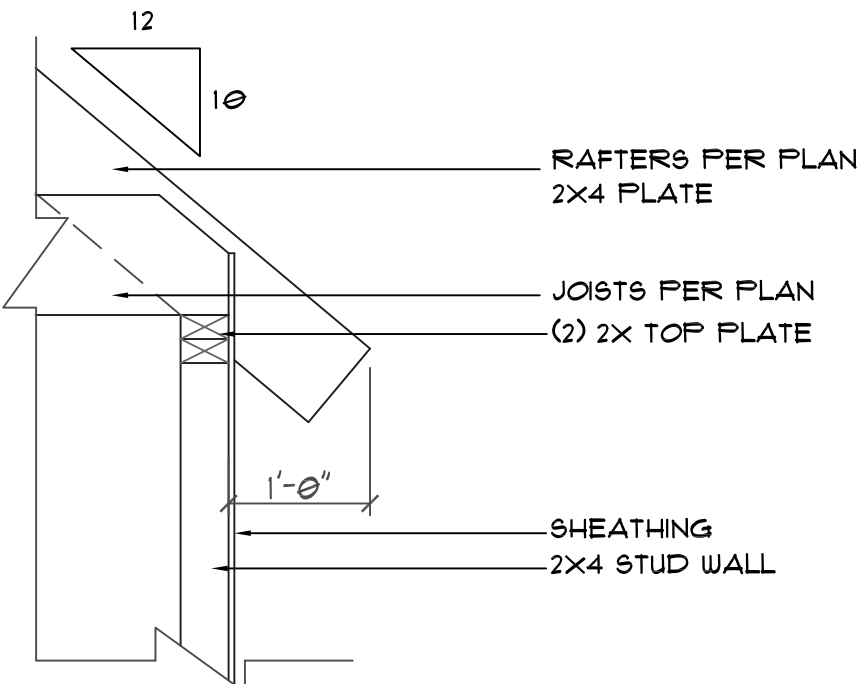
ROOF PLAN
SCALE: 1/4"=1'-0"



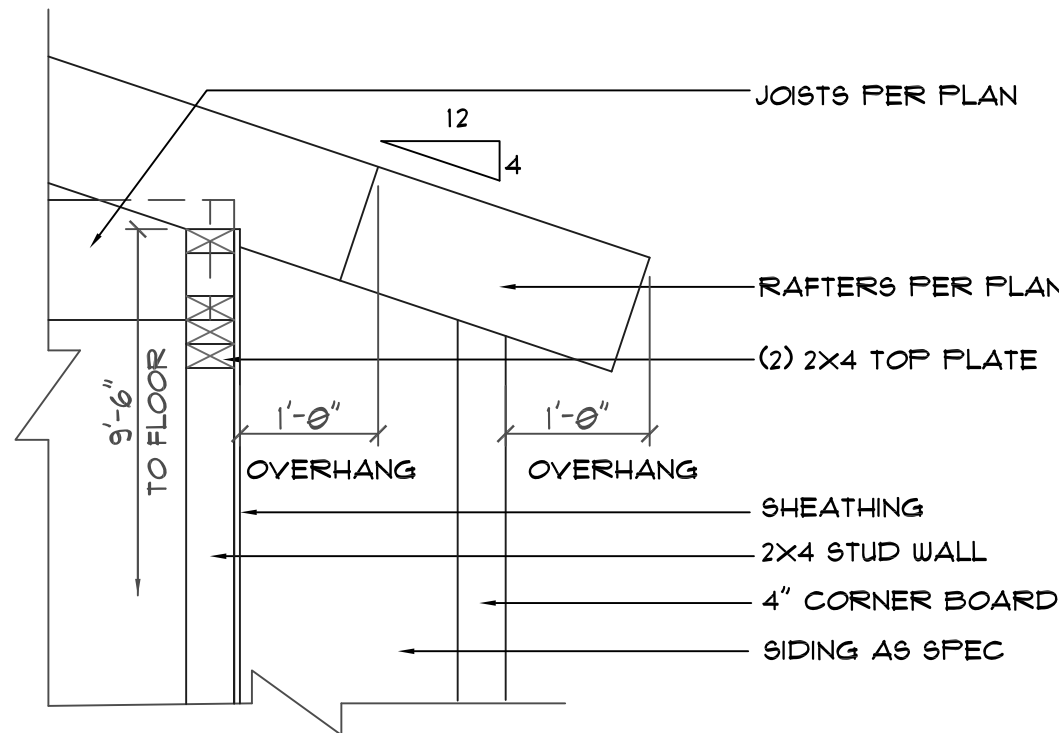
ROOF FRAMING DETAIL "E"
RAFTERS FRAMED ON WALL PLATE
NO SCALE



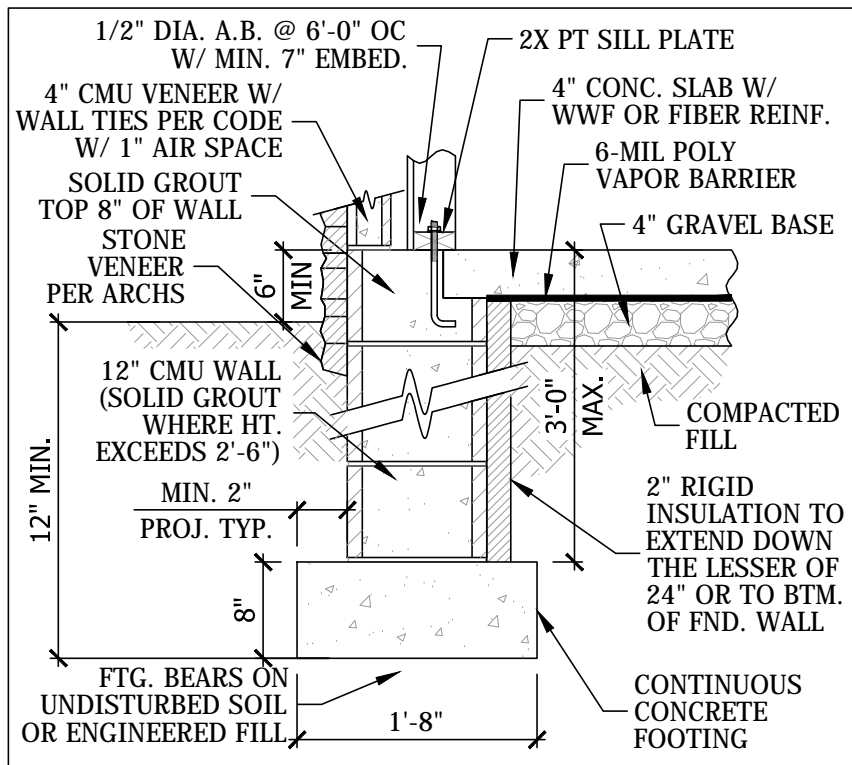
ROOF FRAMING DETAIL "F"
RAFTERS FRAMED ON TOP OF JOISTS
NO SCALE



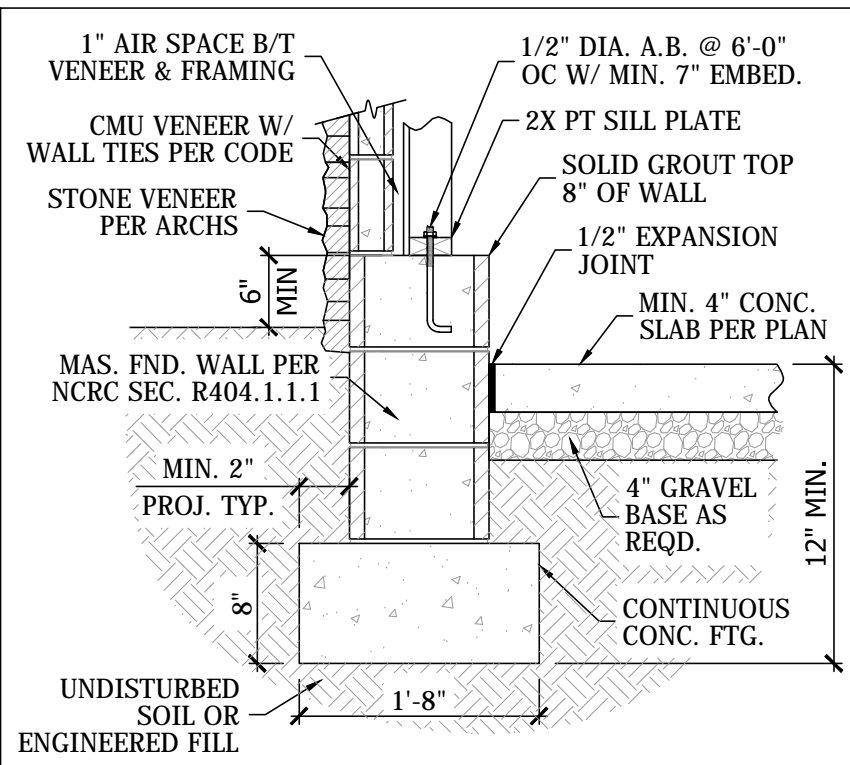
ROOF FRAMING DETAIL "G"
RAFTERS FRAMED ON WALL PLATE
NO SCALE



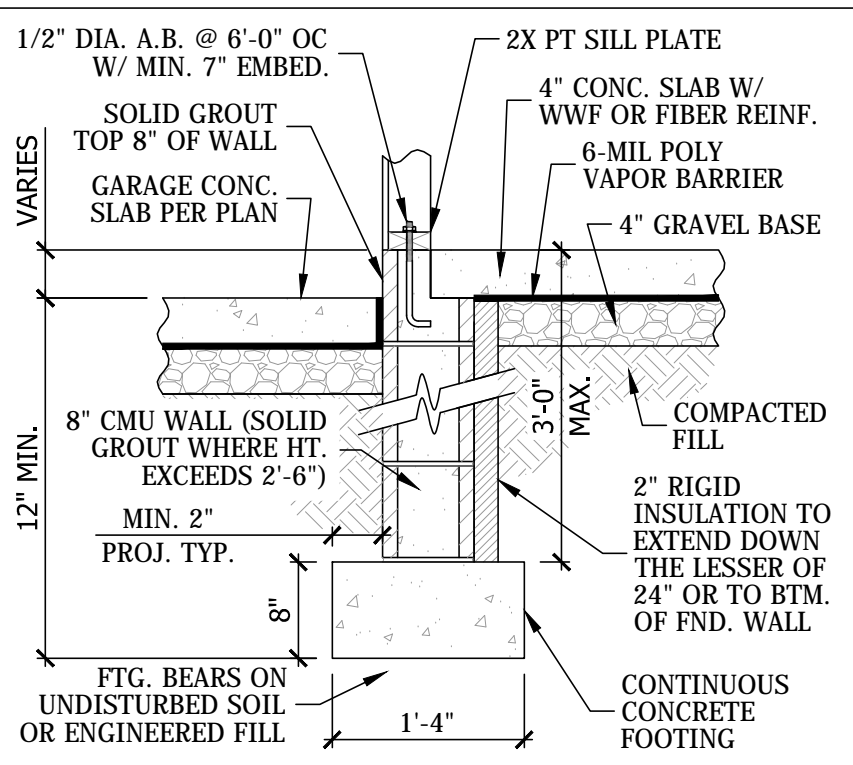
ROOF FRAMING DETAIL "H"
RAFTERS FRAMED ON WALL PLATE
NO SCALE



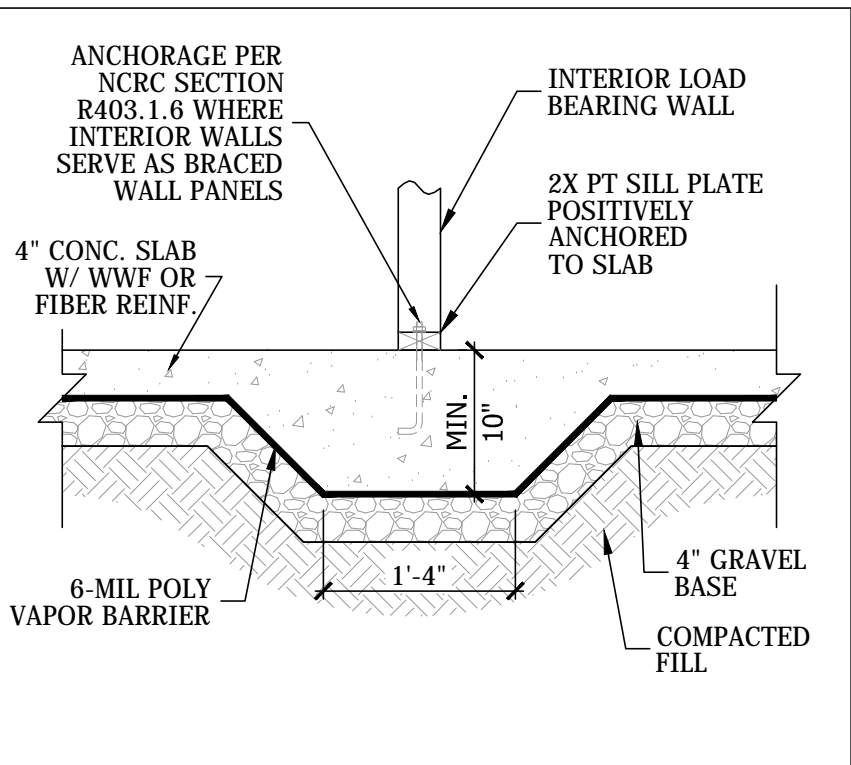
A MAS. STEM WALL SCALE: $\frac{3}{4}" = 1'-0"$
MASONRY STEM WALL FND. W/ VENEER LEDGE



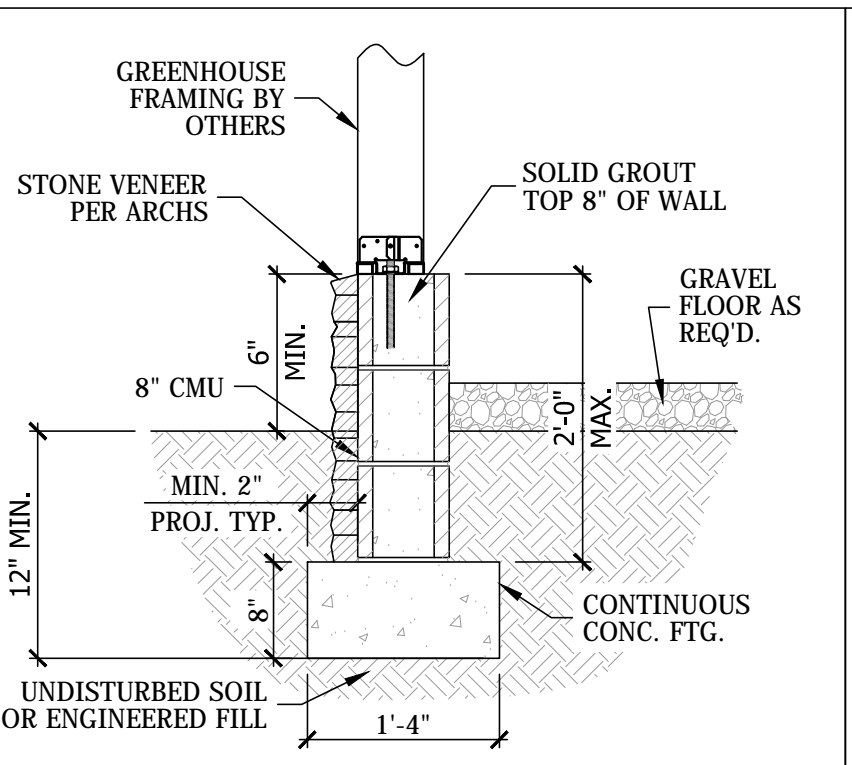
B TYP. GARAGE FND. SCALE: $\frac{3}{4}" = 1'-0"$
GARAGE FND. W/ CONC. SLAB AT EXTERIOR WALL



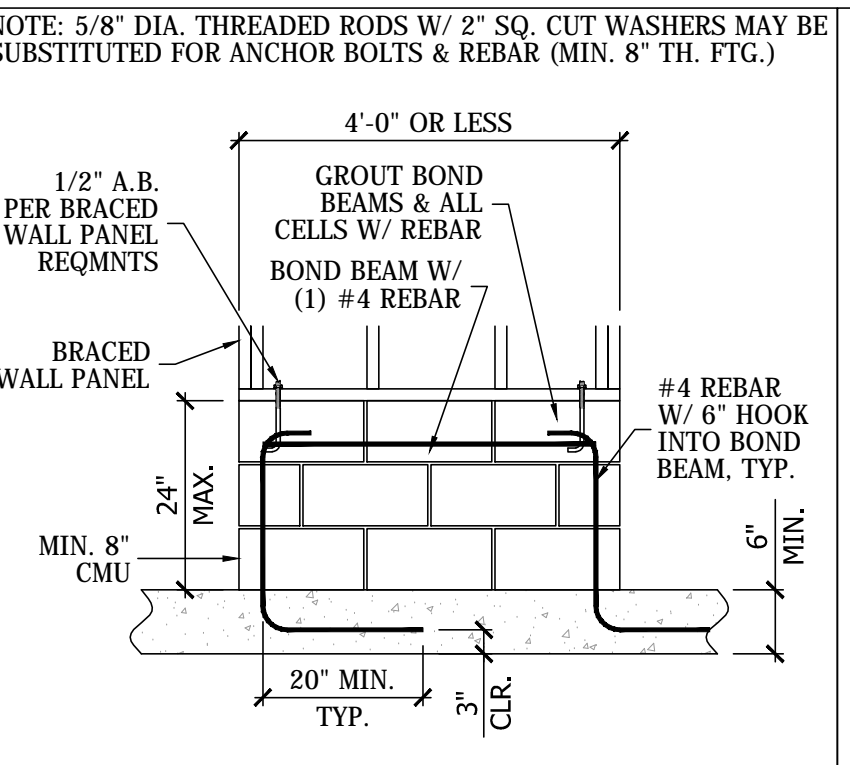
C MAS. STEM WALL SCALE: $\frac{3}{4}" = 1'-0"$
MASONRY STEM WALL FND. AT GARAGE SLAB



D THICKENED SLAB SCALE: $\frac{3}{4}" = 1'-0"$
SLAB ON GRADE W/ THICKENED SLAB FOOTING

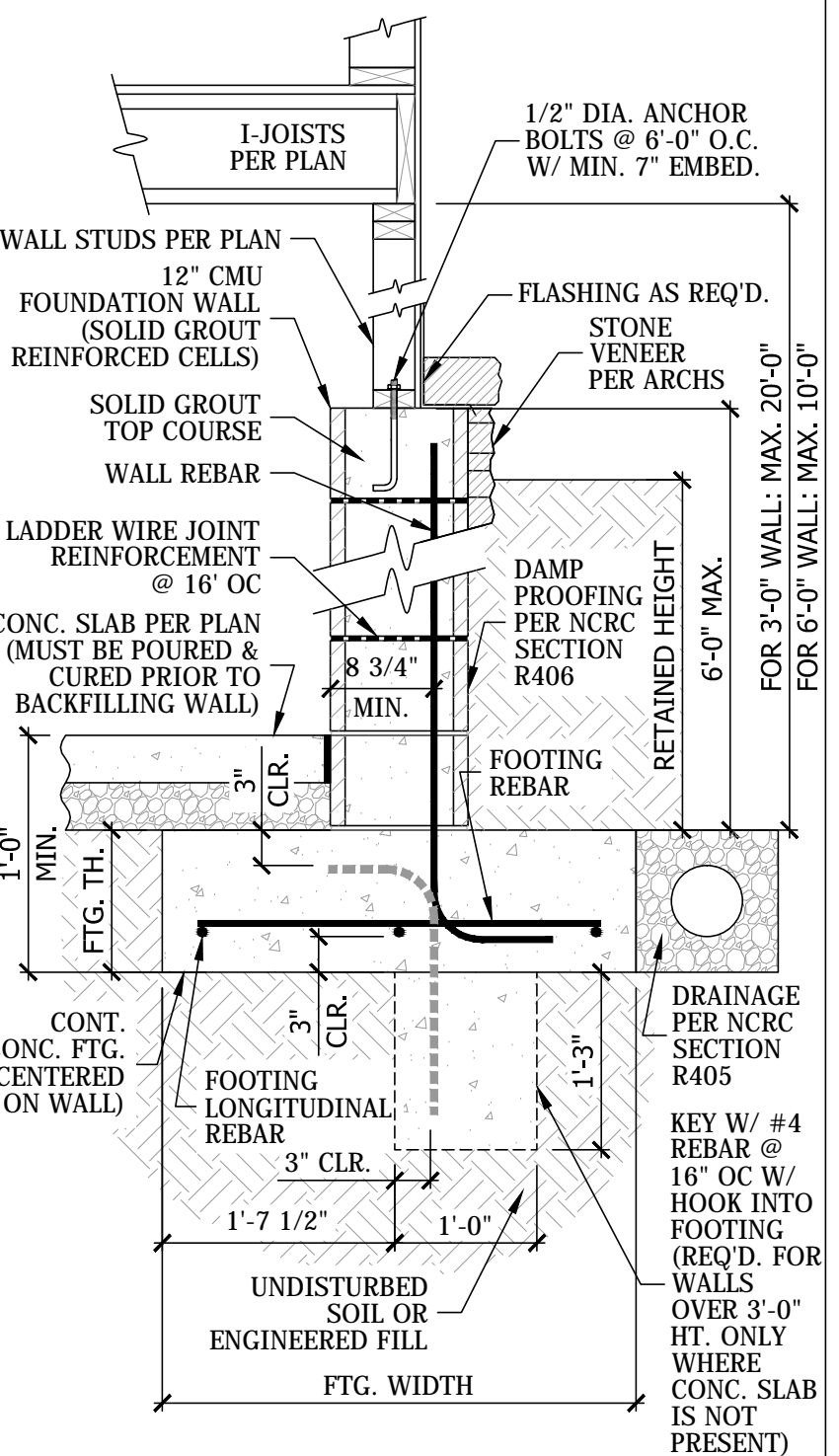


E GREENHOUSE FND. SCALE: $\frac{3}{4}" = 1'-0"$
MASONRY STEMWALL ON CONTINUOUS FOOTING



F MAS. STEM WALL SCALE: $\frac{1}{2}" = 1'-0"$
SHORT STEM WALL REINF. FOR BRACED WALL SUPPORT

COMPONENT	RETAINED HEIGHT	
	3'-0" OR LESS	3'-0" TO 6'-0"
FOOTING THICKNESS	12"	12"
FOOTING WIDTH	3'-4"	4'-6"
WALL REBAR	#4 @ 48" OC	#5 @ 32" OC
FOOTING REBAR	#4 @ 16" OC	#4 @ 16" OC
FTG. LONGITUDINAL REBAR	(3) #5 CONTINUOUS	(4) #5 REBAR CONTINUOUS



G RETAINING WALL SCALE: $\frac{3}{4}" = 1'-0"$
CMU RETAINING WALL W/ WALL ABOVE

LEGEND	
■	POINT LOAD REQUIRING SOLID BLOCKING TO FOUNDATION

DESIGN CRITERIA:

DESIGN LOADS (PSF):

USE:	L.L.	D.L.	USE:	L.L.	D.L.
ATTICS W/O STORAGE	10	10	EXTERIOR DECKS/BALCONIES	40	10
ATTICS W/ STORAGE	20	10	PASS. VEHICLE GARAGES	50	50
ATTICS W/ FIXED STAIRS	30	10	GUARDRAILS/HANDRAILS	200	LB
SLEEPING ROOMS	30	10	ROOF (CLG. NOT ATTACHED)	20	10
ALL OTHER ROOMS	40	10	ROOF (CLG. ATTACHED)	20	15
STAIRS	40	5	INTERIOR/EXTERIOR WALLS	—	8/11

- ULTIMATE DESIGN WIND SPEED: 120MPH (EXP. CAT. B)
- DEFLECTION LIMITS:

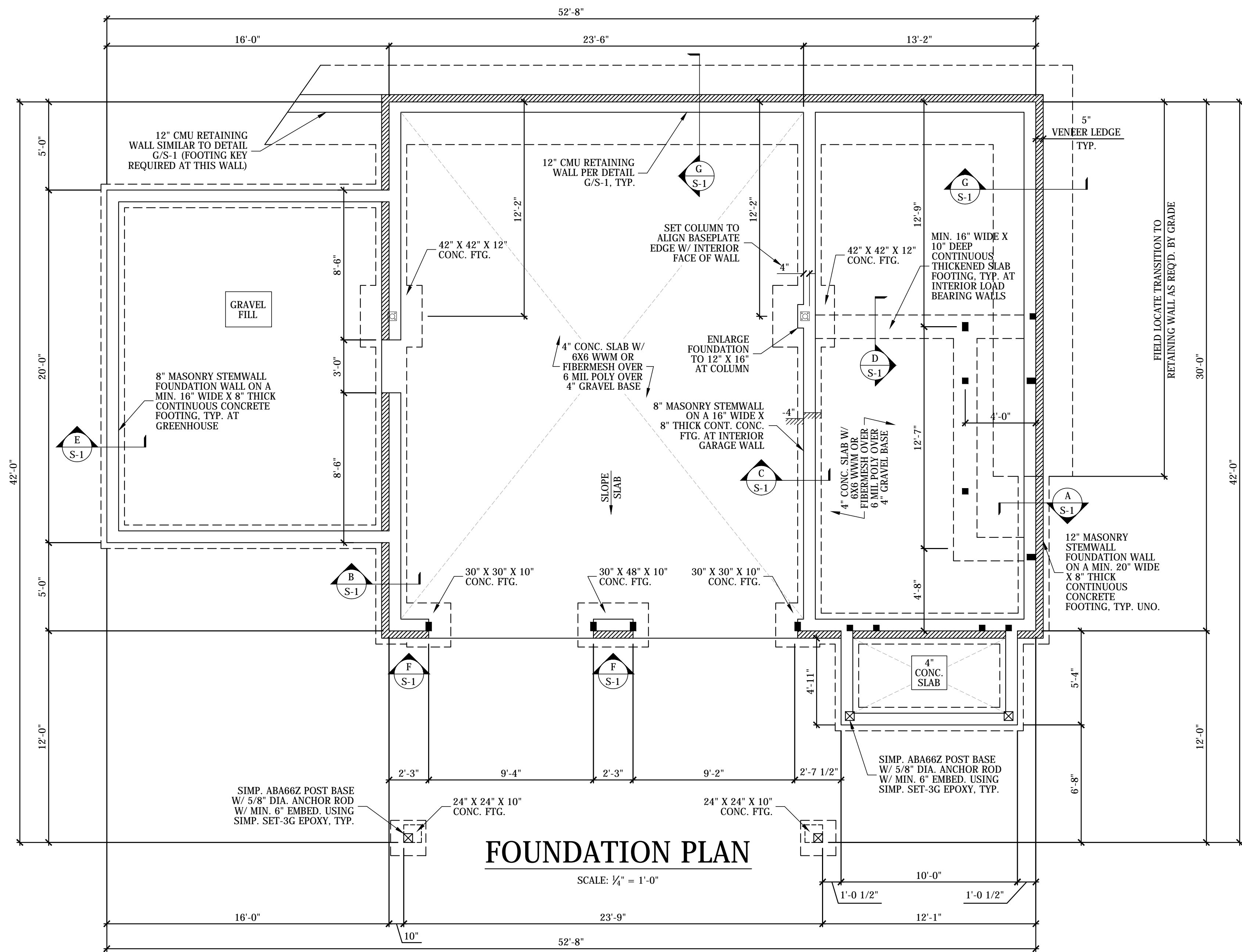
COMPONENT	DEFLECTION LIMIT
RAFTERS (3-12 SLOPE OR MORE) W/O CLG. ATTACHED	L/180
FLOORS & PLASTERED CEILINGS	L/360
FRAMING SUPPORTING MASONRY	L/600
SPANS GREATER THAN 20 FT	L/480
ALL OTHER STRUCTURAL MEMBERS	L/240

FOUNDATION NOTES:

- PROVIDE POSITIVE DRAINAGE AWAY FROM FOUNDATION WALLS. ROOF DRAINAGE SHALL DISCHARGE AT LEAST 5 FEET AWAY FROM FOUNDATION WALLS.
- ASSUMED SOIL BEARING CAPACITY IS 2000 PSF. CONTRACTOR IS RESPONSIBLE TO VERIFY SOIL PROPERTIES.
- CONCRETE MIN. 28-DAY COMPRESSIVE STRENGTH: 3000 PSI
- STEEL REINFORCEMENT SHALL BE DEFORMED REINFORCEMENT COMPLYING WITH THE REQUIREMENTS OF ASTM A615. MIN. YIELD STRENGTH: 40 KSI (GRADE 40) IN FOOTINGS & 60 KSI (GRADE 60) IN WALLS.
- MIN. CONCRETE COVER FOR STEEL REINFORCEMENT: 3" WHEN CAST AGAINST EARTH; 1 1/2" (NO. 5 BARS OR SMALLER) OR 2" (NO. 6 BARS OR LARGER) WHEN CAST IN REMOVABLE FORMS THAT WILL BE EXPOSED TO EARTH OR WEATHER; 3/4" WHEN CAST IN REMOVABLE FORMS THAT WILL NOT BE EXPOSED TO EARTH OR WEATHER.
- FOOTINGS SHALL BEAR A MINIMUM OF 12" BELOW GRADE. SHALL EXTEND BELOW THE FROST LINE AND SHALL BE SUPPORTED ON UNDISTURBED NATURAL SOILS OR ENGINEERED FILL.
- MIN. FOOTING THICKNESS: 6" FOR 1-STORY, 8" FOR 1 1/2 - 2 1/2 STORY, 10" FOR 3 STORY. MIN. FOOTING PROJECTION IS 2" AND SHALL NOT EXCEED THE THICKNESS OF THE FOOTING IN PLAIN CONCRETE FOOTINGS.
- FOOTINGS FOR MASONRY FIREPLACES/CHIMNEYS SHALL BE AT LEAST 12" THICK WITH MIN. 12" PROJECTION.
- MIN. 2 X 4 PRESSURE TREATED SILL PLATE AT EXTERIOR WALLS ANCHORED TO FOUNDATION WITH MIN. 1/2" DIA. ANCHOR BOLTS @ MAX. 6'-0" O.C. AND MAX. 12" FROM CORNERS AND SILL SPLICES. MIN. 7" EMBEDMENT INTO SOLID FILLED MASONRY OR CONCRETE.
- SLABS ON GRADE SHALL BE MIN. 4" THICK W/ 6 X 6 WWM OR FIBER REINFORCEMENT OVER 6-MIL POLY OVER 4" GRAVEL BASE OVER COMPACTED FILL. REINFORCEMENT SHALL BE PLACED IN THE CENTER OF THE SLAB WHEN USED. CONTROL JOINT LOCATIONS PER CONTRACTOR.
- FOUNDATION WALLS WITH GREATER THAN 4 FEET OF UNBALANCED FILL SHALL HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM PRIOR TO BACKFILLING. LATERAL SUPPORT PROVIDED BY A SLAB ON GRADE SHALL BE DESIGNED BY THE ENGINEER OF RECORD.
- FOUNDATION WALLS SHALL HAVE A SOLID 8" CAP.
- MASONRY SHALL BE LAID IN RUNNING BOND AND SHALL USE TYPE M OR S MORTAR W/ 3/4" HEAD AND BED JOINTS. BED JOINTS FOR STARTING COURSES PLACED OVER FOUNDATION SHALL BE MIN. 1/4" AND MAX. 1 1/2".
- WALL HEIGHT, THICKNESS, BACKFILL, AND REINFORCEMENT PER TABLES R404.1.1 (1-4) NCRS.
- CORBELED MASONRY SHALL MEET THE REQUIREMENTS OF SECTION R606.5.

GENERAL NOTES:

- ALL CONSTRUCTION SHALL CONFORM TO LATEST REQUIREMENTS OF THE 2018 NORTH CAROLINA STATE BUILDING CODE, RESIDENTIAL CODE (NCRS) AND ANY ADDITIONAL LOCAL REGULATIONS.
- THE ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS THE STRUCTURAL ENGINEER OF RECORD (EOR) FOR THIS PROJECT. THE ENGINEERS SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. CONTRACTOR IS RESPONSIBLE TO COORDINATE PLUMBING, MECHANICAL, AND ELECTRICAL COMPONENTS PRIOR TO FRAMING. NO OTHER PARTY SHALL MODIFY OR REUSE THESE DRAWINGS WITHOUT WRITTEN APPROVAL FROM THE EOR.
- ONLY SEALED DRAWINGS WITH THE LATEST REVISION DATE ARE APPLICABLE FOR CONSTRUCTION.
- DO NOT SCALE DRAWINGS OR DETAILS. CONTACT ENGINEER OR DESIGNER FOR ANY DIMENSIONS NOT SHOWN ON PLANS. WRITTEN DIMENSIONS OVERRULE SCALED/DEPICTED DIMS.
- THE ENGINEER ASSUMES NO LIABILITY FOR CONSTRUCTION METHODS OR QUALITY, DEVIATIONS OR OMISSIONS FROM PLANS, OR FAILURE TO MEET THE REQUIREMENTS OF THE NCRS OR THE PROVIDED STRUCTURAL PLANS. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY STRUCTURAL DISCREPANCIES THAT ARE IDENTIFIED.



FOUNDATION PLAN

SCALE: $\frac{1}{4}" = 1'-0"$

SEAL DATE: 04/18/2025

REVISIONS	
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HEDGEPEETH RESIDENCE
HWY. 55 WEST COATS, NC 27521
HARNETT COUNTY

DESIGNER:
TRIANGLE RESIDENTIAL
DESIGNS, INC.

PLAN NAME:
HEDGEPEETH RESIDENCE

JOB #:	25032
DATE:	04/18/2025
DRAWN BY:	PSE

FOUNDATION PLAN


SHEET:

S-1

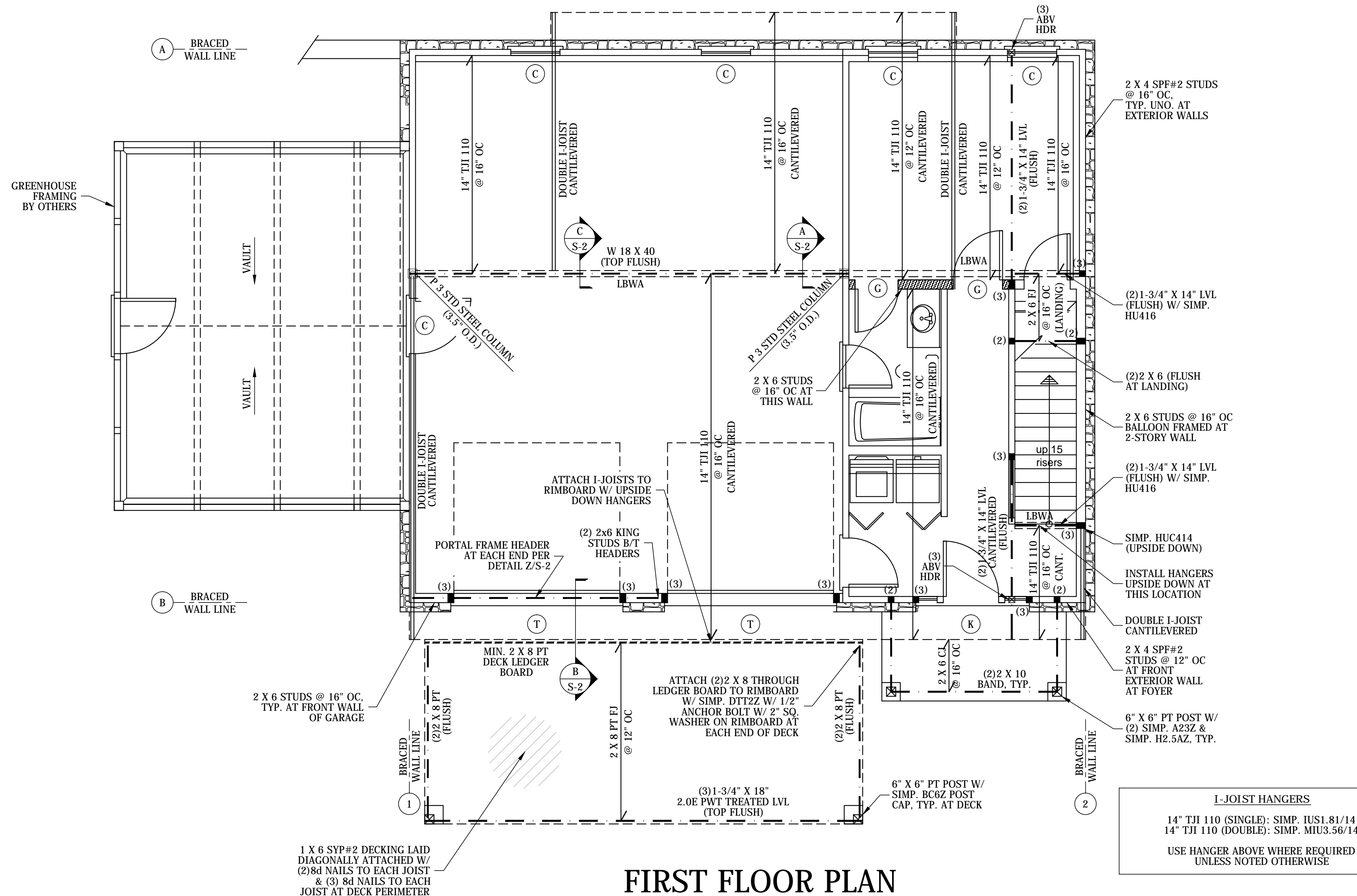
1 OF: 4



WALL BRACING			
BWL	REQ'D.	PROV'D.	METHOD
A	8.2'	24.4'	CS-WSP
B	8.2'	14.0'	CS-WSP / PORTAL FRAME
1	10.0'	27.0'	CS-WSP
2	10.0'	20.3'	CS-WSP
HOUSE: 2-STORY (4:12 PITCH) 8'-3" EAVE TO RIDGE			

LEGEND	
■	POINT LOAD REQUIRING SOLID BLOCKING TO FOUNDATION
(#)	NUMBER OF STUDS IN STUD COLUMN (2 X 4 UNO)
	LOAD BEARING WALL

<div> <div>?</div> <div>HEADER SCHEDULE</div> </div>			
TAG	HEADER	TAG	HEADER
A	(2) 2 X 6	K	(2) 1.75 X 9.25 LVL
B	(2) 2 X 8	L	(2) 1.75 X 11.875 LVL
C	(2) 2 X 10	M	(2) 1.75 X 14 LVL
D	(2) 2 X 12	N	(2) 1.75 X 16 LVL
E	(3) 2 X 4	P	(2) 1.75 X 18 LVL
F	(3) 2 X 6	R	(2) 1.75 X 9.25 LVL & 2 X 10
G	(3) 2 X 8	S	(3) 1.75 X 9.25 LVL
H	(3) 2 X 10	T	(3) 1.75 X 11.875 LVL
J	(3) 2 X 12	V	(3) 1.75 X 14 LVL
<ul style="list-style-type: none"> HEADERS SHALL BE SUPPORTED ON SINGLE JACK STUDS UNLESS NOTED OTHERWISE. PROVIDE REQUIRED NUMBER OF FULL HEIGHT KING STUDS AT EACH END OF HEADER PER NCRS TABLE R602.7.5 			



FIRST FLOOR PLAN

CEILING HEIGHT: 9'-0" UNO
SCALE: $\frac{1}{4}" = 1'-0"$

FRAMING NOTES:

1. ALL FRAMING LUMBER SHALL BE SPF #2 (#2 = 875 PSI, Fv = 135 PSI, E = 1,400,000 PSI), EXCEPT THAT NON-LOAD BEARING STUDS MAY BE STUD GRADE.
2. TREATED LUMBER SHALL BE SYP #2 (MIN. Fv = 750 PSI, Fv = 175 PSI, E = 1,400,000 PSI).
3. TREATED LUMBER SHALL BE USED IN ALL AREAS SUBJECT TO WEATHER EXPOSURE. JOIST/STUD CONTENT EXCEEDING 19%, OR DECAY AS DEFINED BY SECTION R317.1 NCCRC. LUMBER IN CONTACT WITH GROUND OR EMBEDDED IN CONCRETE SHALL BE RATED FOR GROUND CONTACT USE WITH AN APPROPRIATE USE CATEGORY DESIGNATION FOR THE ANTICIPATED END USE AND SERVICE CONDITIONS.
4. GALVANIZED STEEL SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.
5. LAMINATED VENEER LUMBER (LVL) SHALL MEET THE MINIMUM SPECIFICATIONS: Fb = 2,600 PSI, Fv = 285 PSI, E = 2,000,000 PSI. MULTIPLE LVL PLIES SHALL BE CONNECTED TOGETHER BY NAIL OR ADHESIVE. SPECIFICATIONS UNLESS NOTED OTHERWISE.
6. FASTEN STRUCTURAL MEMBERS PER TABLE 602.3(1) NCCRC.
7. JOISTS AND RAFTERS SHALL HAVE A MINIMUM BEARING LENGTH OF 1½" ON WOOD AND 3" ON CONCRETE OR MASONRY. BEAMS AND GIRDERS SHALL HAVE FULL BEARING FOR THE FULL WIDTH OF THE SUPPORT U.N.O. ALL MEMBER ENDS SHALL OCCUR OVER SUPPORTS.
8. STRUCTURAL MEMBER CUT, BORE, & NOTCH LIMITATIONS:
 - JOISTS: SECTION R502.8 NCCRC
 - STUDS & TOP PLATES: SECTION R602.6 NCCRC
 - BEAMS: CONTACT STRUCTURAL E.O.R. FOR APPROVAL
9. DOUBLE JOISTS UNDER PARALLEL WALLS.
10. PROVIDE DOUBLE JOISTS UNDER ALL FLOOR JOISTS AND BEAMS BY FUR, DEPTH SOLID 2X BLOCKING OR ATTACHMENT TO A HEADER, BAND, OR ADJOINING STUD.
11. LAP JOISTS OVER SUPPORTS MIN. 3" & ATTACH W/ (3) 10d NAILS. LAPPED JOISTS PROVIDING RAFTER STRUTTING RESISTANCE SHALL BE NAILED PER TABLE R802.5.1(9) NCCRC.
12. SHEATHING SHALL BE WOOD STRUCTURAL PANEL MEETING THE FOLLOWING REQUIREMENTS:
 - ROOF & SUBFLOOR: TABLE R503.2.1.1(1) NCCRC
 - EXTERIOR WALLS: TABLE R602.3(3) NCCRC
13. GYPSUM SHALL MEET THE REQUIREMENTS OF TABLE R702.3.5 NCCRC.
14. ALL STUD WALLS SHALL BE FRAMED WITH 2 X 4 STUDS AT 16" O.C. BEARING ON 2X8 OR 2X10 BOTTOM PLATE & CAPPED WITH DOUBLE 2X TOP PLATE. END JOISTS SHALL BE OFFSET AT LEAST 24" & NEED NOT OCCUR OVER STUD UNO.
15. ATTACH DECK BANDS TO THE STRUCTURE PER SEC. A1104 NCCRC WHEN DECK IS SUPPORTED AT THE STRUCTURE.
16. PROVIDE BRACING PER SEC. A1109 NCCRC. MAXIMUM POST HEIGHT SHALL NOT EXCEED LIMITS OF SEC. A1108 NCCRC.
17. PROVIDE FASTENING PROTECTION PER SECTION R302.12 AND FIREPROOFING PER SECTION R302.11 NCCRC.
17. PROVIDE TERMITTE PROTECTION PER SEC. R318.1 NCCRC.

WALL BRACING NOTES:

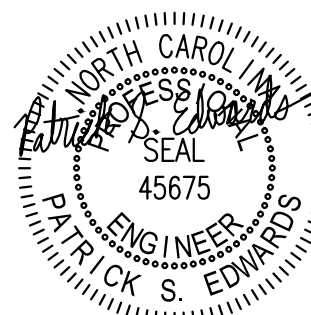
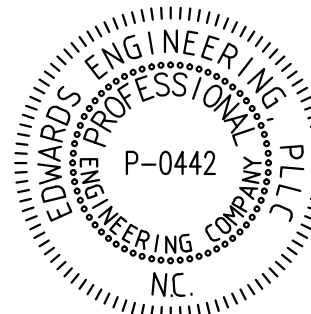
1. EXTERIOR WALLS SHALL BE CONTINUOUSLY SHEATHED WITH MINIMUM 7/16" TH WOOD STRUCTURAL PANEL SHEATHING ATTACHED TO FRAMING WITH 8d NAILS @ 6" OC EDGES & 12" OC FIELD WITH ALL SHEATHING EDGES SOLD BLOWN BOLTS TO MINIMUM 2" DIA.
2. WOOD STRUCTURAL PANELS SHALL CONFORM TO DOC P51, DOC P52, OR ANSI/APA PRP 210.
3. INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS SHALL BE SHEATHED CONTINUOUSLY WITH MIN. 5/8" GYPSUM WALL BOARD FASTENED PER NCRRC TABLE R702.3.5.
4. WALL CORNERS SHALL BE FRAMED PER NCRRC FIGURE R602.10.3(5).
5. A MIN. 4" LONG SHEATHING RETURN PANEL SHALL BE PROVIDED ON THE INTERSECTING WALL AT ENDS OF BRACED WALL LINES. WHERE THIS RETURN IS NOT PROVIDED, THE BRACED WALL LINE SHALL HAVE A MIN. 48" LONG PANEL AT THE CORNER, OR A HOLD-DOWN DEVICE ATTACHED TO MIN. 4" LONG PANEL AT THE EDGE OF THE BRACED WALL PANEL CLOSEST TO THE CORNER TO THE FOUNDATION OR FLOOR FRAMING BELOW.
6. BRACED WALL PANELS SHALL BE CONNECTED TO FLOOR AND CEILING FRAMING PER NCRRC FIGURES R602.10.4.1(1) & (2).
7. CEILING PANELS SHALL BE CONNECTED TO ROOF FRAMING PER NCRRC SECTION R602.10.4.5.

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The logo for Edwards Engineering, PLLC. It features three horizontal bars in light blue, brown, and dark blue, stacked vertically. To the right of the bars, the word "EDWARDS" is written in a large, dark blue, sans-serif font. Below "EDWARDS", the words "ENGINEERING, PLLC" are written in a smaller, dark blue, sans-serif font.

5929 SOUTH DOWNS DRIVE - RALEIGH, NC - 27603
PHONE: (919) 480-1650 - WEBSITE: WWW.EDWARDSENGNC.COM



SEAL DATE: 04/18/2025

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HEDGEPEETH RESIDENCE
HWY. 55 WEST COATS, NC 27521
HARNETT COUNTY

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DESIGNER:
TRIANGLE RESIDENTIAL
DESIGNS, INC.

PLAN NAME:
HEDGE PETH RESIDENCE

JOB #:	25032
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DATE:	04/18/2025
DRAWN BY:	PSE

FIRST FLOOR WALLS

2ND FLOOR FRAMING

SHEET:

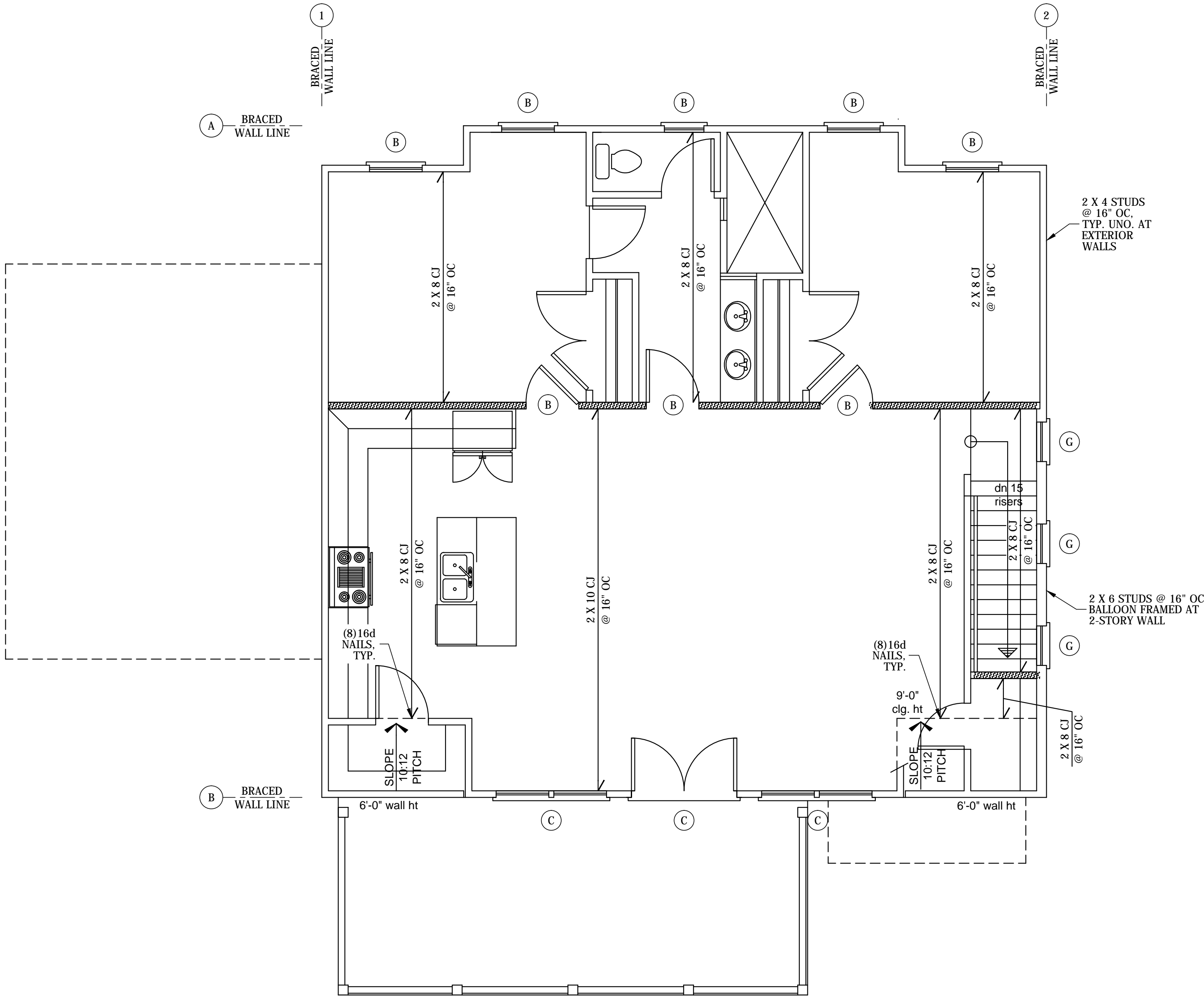
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- FRAMING NOTES:**
- ALL FRAMING LUMBER SHALL BE SPF #2 (Fb = 875 PSI, Fv = 135 PSI, E = 1,400,000 PSI), EXCEPT THAT NON-LOAD BEARING STUDS MAY BE STUD GRADE.
 - TREATED LUMBER SHALL BE SYP #2 (MIN. Fb = 750 PSI, Fv = 175 PSI, E = 1,400,000 PSI).
 - TREATED LUMBER SHALL BE USED IN ALL AREAS SUBJECT TO WEATHER EXPOSURE. MOISTURE CONTENT EXCEEDING 19%, OR DECAY AS DEFINED BY SECTION R317.1 NCRC. LUMBER IN CONTACT WITH GROUND OR EMBEDDED IN CONCRETE SHALL BE RATED FOR GROUND CONTACT USE WITH AN APPROPRIATE USE CATEGORY DESIGNATION FOR THE ANTICIPATED END USE AND SERVICE CONDITIONS.
 - FASTENERS FOR TREATED LUMBER SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.
 - LAMINATED VENEER LUMBER (LVL) SHALL MEET THE MINIMUM SPECIFICATIONS: Fb = 2,600 PSI, Fv = 285 PSI, E = 2,000,000 PSI. MULTIPLE LVL PLIES SHALL BE CONNECTED TOGETHER PER MANUFACTURER SPECIFICATIONS UNLESS NOTED OTHERWISE.
 - FASTEN STRUCTURAL MEMBERS PER TABLE 602.3(1) NCRC.
 - JOISTS AND RAFTERS SHALL HAVE A MINIMUM BEARING LENGTH OF 1½" ON WOOD AND 3" ON CONCRETE OR MASONRY. BEAMS AND GIRDERS SHALL HAVE FULL BEARING FOR THE FULL WIDTH OF THE SUPPORT U.N.O. ALL MEMBER SPLICES SHALL OCCUR OVER A SUPPORT.
 - STRUCTURAL MEMBER CUT, BORE, & NOTCH LIMITATIONS:
 - JOISTS: SECTION R502.8 NCRC
 - STUDS & TOP PLATES: SECTION R602.6 NCRC
 - BEAMS: CONTACT STRUCTURAL E.O.R. FOR APPROVAL
 - DOUBLE JOISTS UNDER PARALLEL WALLS.
 - PROVIDE LATERAL SUPPORT AT ENDS OF FLOOR JOISTS AND BEAMS BY FULL DEPTH SOLID 2X BLOCKING OR ATTACHMENT TO A HEADER, BAND, OR ADJOINING STUD.
 - LAP JOISTS OVER SUPPORTS MIN. 3" & ATTACH W/ (3) 10d NAILS. LAPPED JOISTS PROVIDING RAFTER THRUST RESISTANCE SHALL BE NAILED PER TABLE R802.5.1(9) NCRC.
 - SHEATHING SHALL BE WOOD STRUCTURAL PANEL MEETING THE FOLLOWING REQUIREMENTS:
 - ROOF & SUBFLOOR: TABLE R503.2.1.1(1) NCRC
 - EXTERIOR WALLS: TABLE R602.3(3) NCRC
 - GYPSUM SHALL MEET THE REQUIREMENTS OF TABLE R702.3.5 NCRC.
 - ALL STUD WALLS SHALL BE FRAMED WITH 2 X 4 STUDS AT 16" O.C. U.N.O. BEARING FULLY ON 2X BOTTOM PLATE & CAPPED WITH DOUBLE 2X TOP PLATE. END JOINTS SHALL BE OFFSET AT LEAST 24" & NEED NOT OCCUR OVER STUD UNO.
 - ATTACH DECK BANDS TO THE STRUCTURE PER SEC. AM104 NCRC WHEN DECK IS SUPPORTED AT THE STRUCTURE. PROVIDE BRACING PER SEC. AM109 NCRC. MAXIMUM POST HEIGHT SHALL NOT EXCEED LIMITS OF SEC. AM108 NCRC.
 - PROVIDE DRAFTSTOPPING PER SECTION R302.12 AND FIREBLOCKING PER SECTION R302.11 NCRC.
 - PROVIDE TERMITE PROTECTION PER SEC. R318.1 NCRC.

- WALL BRACING NOTES:**
- EXTERIOR WALLS SHALL BE CONTINUOUSLY SHEATHED WITH MINIMUM 7/16" TH WOOD STRUCTURAL PANEL. SHEATHING ATTACHED TO FRAMING WITH 8d NAILS @ 6" OC EDGES & 12" OC FIELD WITH ALL SHEATHING EDGES SOLID BLOCKED UNLESS NOTED OTHERWISE.
 - WOOD STRUCTURAL PANELS SHALL CONFORM TO DOC PS1, DOC PS2, OR ANSI/APA PRP 210.
 - INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS SHALL BE SHEATHED CONTINUOUSLY WITH MIN. 1/2" TH GYPSUM WALL BOARD FASTENED PER NCRC TABLE R702.3.5.
 - WALL CORNERS SHALL BE FRAMED PER NCRC FIGURE R602.10.3(5).
 - A MIN. 24" LONG SHEATHING RETURN PANEL SHALL BE PROVIDED ON THE INTERSECTING WALL AT ENDS OF BRACED WALL LINES. WHERE THIS RETURN IS NOT PROVIDED, THE BRACED WALL LINE SHALL HAVE A MIN. 48" LONG PANEL AT THE CORNER, OR A HOLD-DOWN DEVICE RATED FOR MIN. 800 LB. SHALL ATTACH THE EDGE OF THE BRACED WALL PANEL CLOSEST TO THE CORNER TO THE FOUNDATION OR FLOOR FRAMING BELOW.
 - BRACED WALL PANELS SHALL BE CONNECTED TO FLOOR AND CEILING FRAMING PER NCRC FIGURES R602.10.4.4(1) & (2).
 - BRACED WALL PANELS SHALL BE CONNECTED TO ROOF FRAMING PER NCRC SECTION R602.10.4.5.

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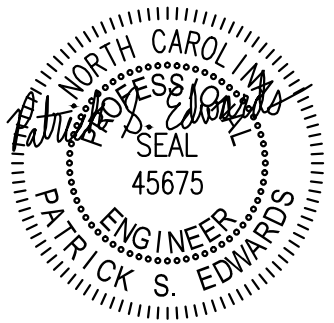
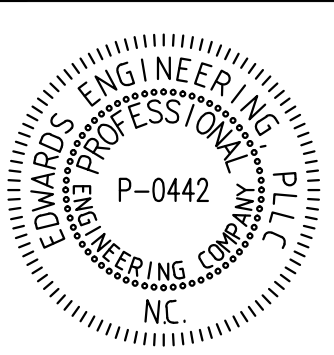
SECOND FLOOR PLAN

CEILING HEIGHT: 9'-0" UNO
SCALE: ¼" = 1'-0"

LEGEND	
	LOAD BEARING WALL

HEADER SCHEDULE			
TAG	HEADER	TAG	HEADER
A	(2)2 X 6	K	(2)1.75 X 9.25 LVL
B	(2)2 X 8	L	(2)1.75 X 11.875 LVL
C	(2)2 X 10	M	(2)1.75 X 14 LVL
D	(2)2 X 12	N	(2)1.75 X 16 LVL
E	(3)2 X 4	P	(2)1.75 X 18 LVL
F	(3)2 X 6	R	(2)1.75 X 9.25 LVL & 2 X 10
G	(3)2 X 8	S	(3)1.75 X 9.25 LVL
H	(3)2 X 10	T	(3)1.75 X 11.875 LVL
J	(3)2 X 12	V	(3)1.75 X 14 LVL
<ul style="list-style-type: none">HEADERS SHALL BE SUPPORTED ON SINGLE JACK STUDS UNLESS NOTED OTHERWISE.PROVIDE REQUIRED NUMBER OF FULL HEIGHT KING STUDS AT EACH END OF HEADER PER NCRC TABLE R602.7.5			

WALL BRACING			
BWL	REQ'D.	PROV'D.	METHOD
A	5.2'	20.8'	CS-WSP
B	5.2'	14.5'	CS-WSP
1	5.6'	28.0'	CS-WSP
2	5.6'	22.0'	CS-WSP
HOUSE: 2-STORY (4:12 PITCH) 8'-3" EAVE TO RIDGE			



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HEDGEPEETH RESIDENCE
HWY. 55 WEST COATS, NC 27521
HARNETT COUNTY

DESIGNER:
TRIANGLE RESIDENTIAL
DESIGNS, INC.

PLAN NAME:
HEDGEPEETH RESIDENCE

JOB #:	25032
DATE:	04/18/2025
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2ND FLOOR WALLS

2ND FLOOR CEILING

SHEET:

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ABBREVIATIONS

A.B.	ANCHOR BOLT	MATL.	MATERIAL
ABV.	ABOVE	MAX.	MAXIMUM
ADDL.	ADDITIONAL	MIN.	MINIMUM
BLDR.	BUILDER	MISC.	MISCELLANEOUS
B/T	BETWEEN	M.O.	MASONRY OPENING
BTM.	BOTTOM	MONO.	MONOLITHIC
CANT.	CANTILEVER	NO.	NUMBER
CJ	CEILING JOIST	N.T.S.	NOT TO SCALE
CLG.	CEILING	OC	ON CENTER
CLR.	CLEAR	O.D.	OUTSIDE DIAMETER
CMU	CONCRETE MASONRY UNIT	O.H.	OVERHANG
COL.	COLUMN	OPP.	OPPOSING
CONC.	CONCRETE	OPT.	OPTION(AL)
CONT.	CONTINUOUS	OSB	ORIENTED STRAND BOARD
DIA.	DIAMETER	PDS	PULL DOWN STAIRS
DIM.	DIMENSION	PL.	PLATE
DIST.	DISTANCE	PRELIM.	PRELIMINARY
DJ	DOUBLE JOIST	PROJ.	PROJECTION
DN.	DOWN	PSI	POUNDS PER
DR	DOUBLE RAFTER	PSF	SQUARE INCH POUNDS PER
DTL.	DETAIL	PSF	POUNDS PER
EA.	EACH	PT	SQUARE FOOT
E/E	EACH END	PT	PRESSURE TREATED
EQ.	EQUAL	QTY.	QUANTITY
EXST.	EXISTING	RAD.	RADIUS
FJ	FLOOR JOIST	REINF.	REINFORCE(-ING)
FND.	FOUNDATION	REQD.	REQUIRED
FLR.	FLOOR	RET.	RETAINING
FRMG.	FRAMING	REV.	REVISION OR REVERSE
FT.	FEET/FOOT	R.O.	ROUGH OPENING
FTG.	FOOTING	RR	ROOF RAFTER
F.V.	FIELD VERIFY	RS	ROOF SUPPORT
GA.	GAUGE	SCHED.	SCHEDULE
GALV.	GALVANIZED	SEC.	SECTION
GYP.	GYP SUM	SIM.	SIMILAR
HDG.	HOT DIPPED GALVANIZED	SLBB	SHORT LEG BACK TO BACK
HDR.	HEADER	SPEC.	SPECIFICATION(S)
HORIZ.	HORIZONTAL	SPF	SPRUCE PINE FIR
HT.	HEIGHT	SQ.	SQUARE
I.D.	INSIDE DIAMETER	STD.	STANDARD
IN.	INCH	STL.	STEEL
INT.	INTERIOR	STRUCT.	STRUCTURAL
JST.	JOIST	SYP	SOUTHERN YELLOW PINE
LB.	POUND	TH.	THICK(NESS)
LBWA	LOAD BEARING WALL ABOVE	TR	TRIPLE RAFTER
LLBB	LONG LEG BACK TO BACK	TYP.	TYPICAL
LLH	LONG LEG HORIZONTAL	UNO.	UNLESS NOTED OTHERWISE
LLV	LONG LEG VERTICAL	VERT.	VERTICAL
LVL	LAMINATED VENEER LUMBER	W/	WITH
MFR.	MANUFACTURER	W/O	WITHOUT
MAS.	MASONRY	WT.	WEIGHT
		WWF	WELDED WIRE FABRIC

ROOF NOTES:

1. RAFTERS SHALL BE FRAMED TO A RIDGE BOARD MIN. 1" NOMINAL THICKNESS AND NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER. OPPOSING RAFTERS AT THE RIDGE MUST ALIGN WITHIN THE RIDGE MEMBER THICKNESS.

2. HIP RAFTERS SHALL BE MIN. 2" NOMINAL THICKNESS AND NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER. REGULARLY SPACED HIP AND VALLEY RAFTERS NEED NOT ALIGN. DO NOT SPLICE VALLEY BEAMS.

3. ROOF SPECS APPLY TO ROOFS WITH MIN. 3:12 PITCH.

4. COLLAR TIES SHALL BE MIN. 1" X 4" (NOMINAL), SPACED MAX. 4-FT O.C., LOCATED IN THE UPPER 1/2 OF ATTIC SPACE.

5. STRUCTURAL ROOF MEMBERS SHALL NOT BE CUT, BORED, OR NOTCHED IN EXCESS OF THE LIMITATIONS SPECIFIED IN SECTION R802.7 NCRC.

6. PROVIDE VENTILATION FOR ENCLOSED ATTICS/ RAFTER SPACES FOR EACH ENCLOSED SPACE. MIN. REQUIRED VENTILATION AREA SHALL BE DETERMINED PER SEC. R806.2 NCRC. PROVIDE MIN. 1" AIR SPACE BETWEEN INSULATION & ROOF SHEATHING AT ROOF VENT LOCATIONS.

7. ATTICS EXCEEDING 400 SQ. FT. SHALL HAVE A MIN. 20" X 30" ACCESS OR LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST APPLIANCE LOCATED IN THE ATTIC.

8. A CRICKET OR SADDLE SHALL BE INSTALLED ON THE RIDGE SIDE OF ANY PENETRATION MORE THAN 30" WIDE AS MEASURED PERPENDICULAR TO THE SLOPE. CRICKETS SHALL BE CONSTRUCTED IN COMPLIANCE WITH FIGURE R1003.20 AND TABLE R1003.20 NCRC.

9. PROVIDE RAFTER TIES PER SEC. R802.3.1 WHERE CEILING JOISTS ARE NOT CONNECTED TO RAFTERS AT TOP PLATE.

GENERAL NOTES:

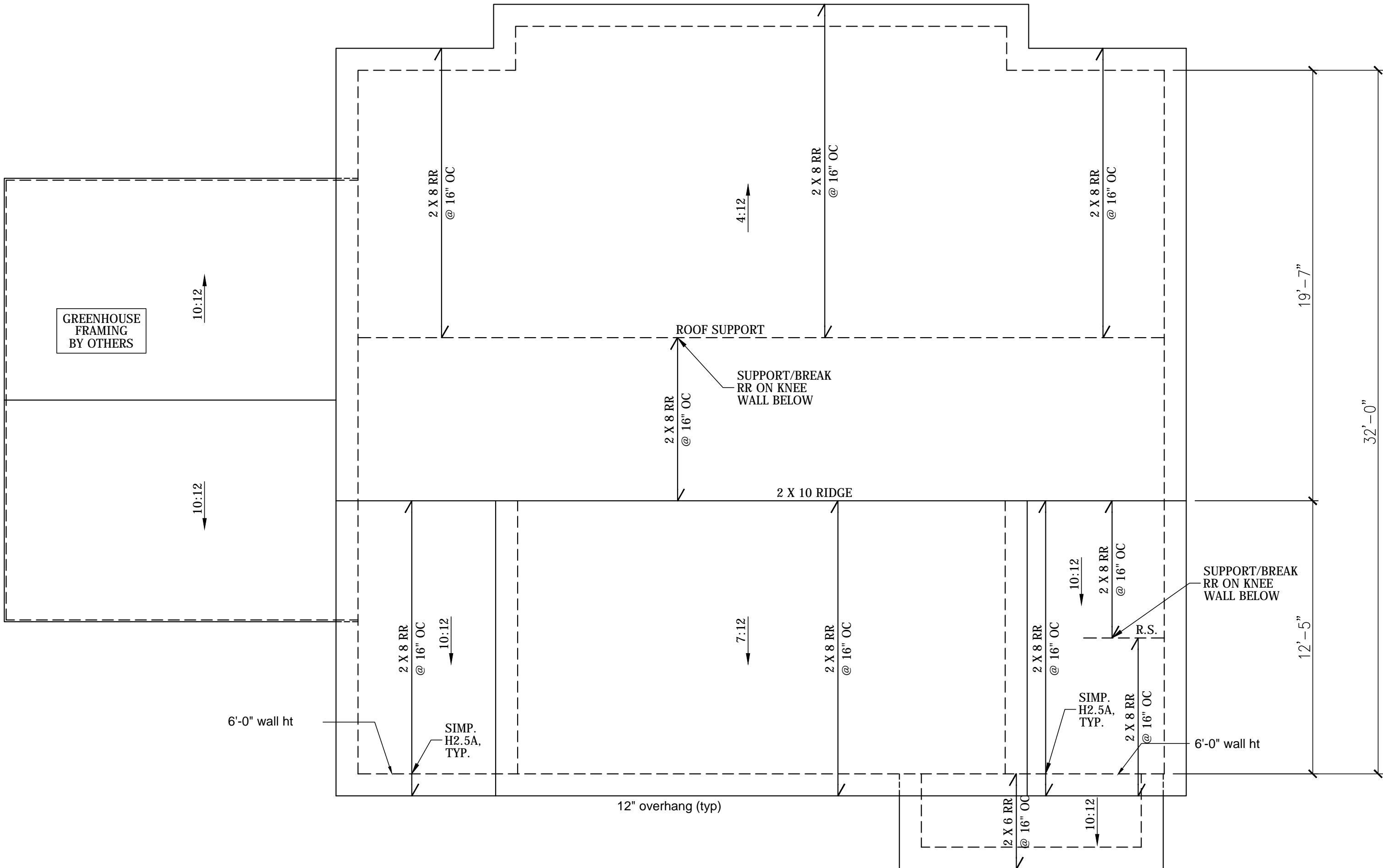
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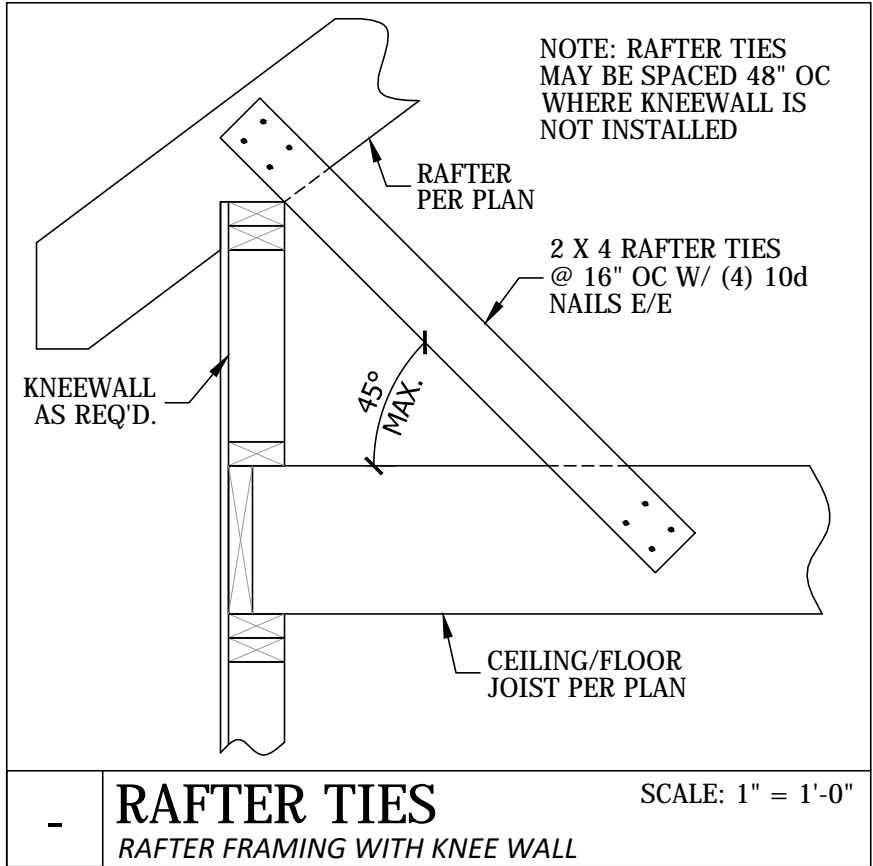
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ROOF PLAN

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

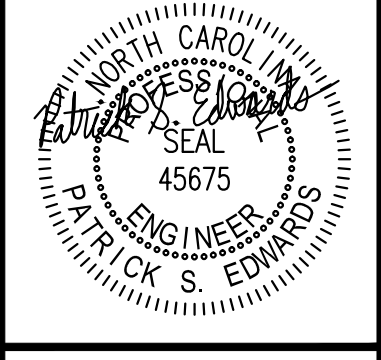
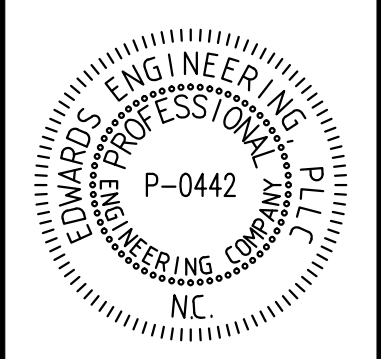


EDWARDS

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DESIGNER:

TRIANGLE RESIDENTIAL DESIGNS, INC.

PLAN NAME:

HEDGEPEETH RESIDENCE

JOB #:	25032
DATE:	04/18/2025
DRAWN BY:	PSE

ROOF FRAMING PLAN

SHEET:

S-4

4 OF: 4

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