

McMillan Design
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 Wake Forest, NC 27587
 Office: 919.263.1509 / Fax: 919.263.1512
 www.mcmillan-design.com

J&W Custom Homes
 Lot #2
 Alabama Avenue
 Durham, NC

Sheet Title:
FRONT & LEFT ELEVATIONS

REVISIONS	
NUMBER	DATE

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Plan Number
M297-21
 Sheet No. **A1**
 Drawn By: **BPT**
 Date: **01.26.2022**

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ELEVATION NOTES

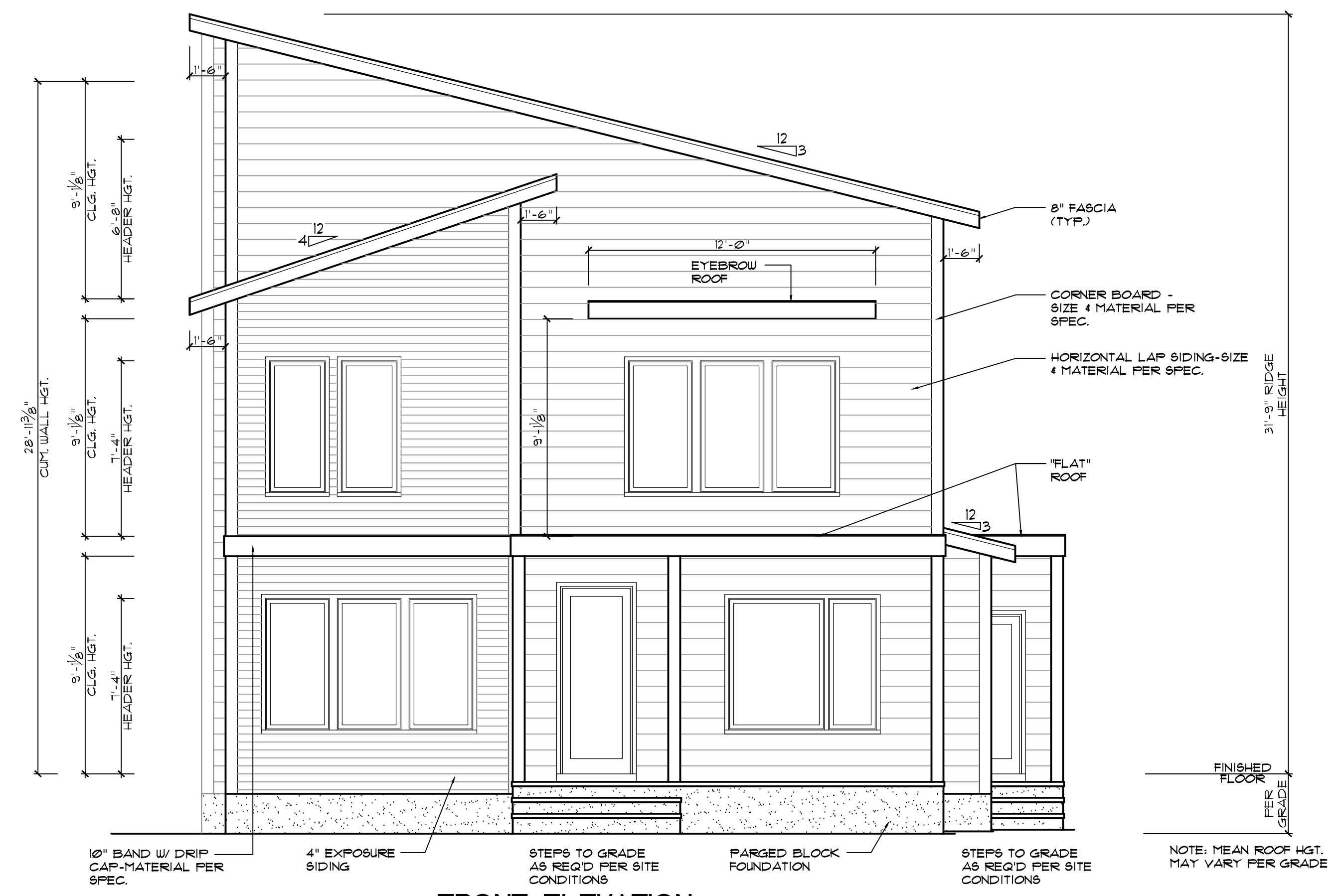
BUILDING CODES:
 THIS PLAN HAS BEEN DESIGNED UNDER THE NC BUILDING CODES, 2018 RESIDENTIAL EDITION.

ROOFING:
 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 R902.1.1.

VENTING CALCULATIONS:

CRAWLSPACE:
 THE MIN. NET FREE AREA OF CRAWL VENTILATION OPENINGS SHALL NOT BE LESS THAN 1 SQ. FT. FOR EACH 150 SQ. FT. OF CRAWL SPACE AREA.
 $1333 \text{ SQ. FT. CRAWL SPACE AREA} / 150 = 8.9 \text{ SQ. FT. NET FREE AREA REQUIRED}$
 *MAY BE REDUCED BY 50% W/ VAPOR BARRIER

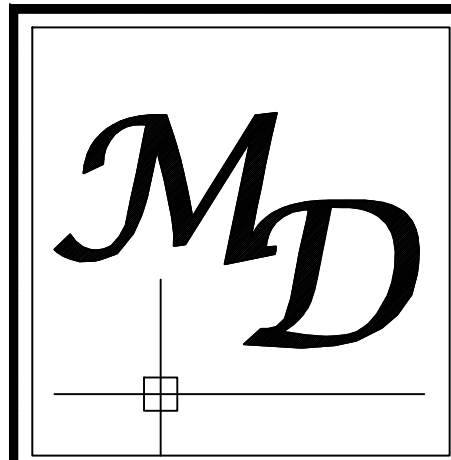
ATTIC:
 $1481 \text{ SQ. FT. OF ATTIC} / 300 = 4.9 \text{ SQ. FT. OF INLET AND OUTLET.}$
 VENTILATION MAY BE REDUCED 50% WHEN VENTILATORS ARE USED AT LEAST 3'-0" ABOVE THE CORNICE VENTS.



FRONT ELEVATION
 Scale: 1/4" = 1'



LEFT ELEVATION
 Scale: 1/4" = 1'



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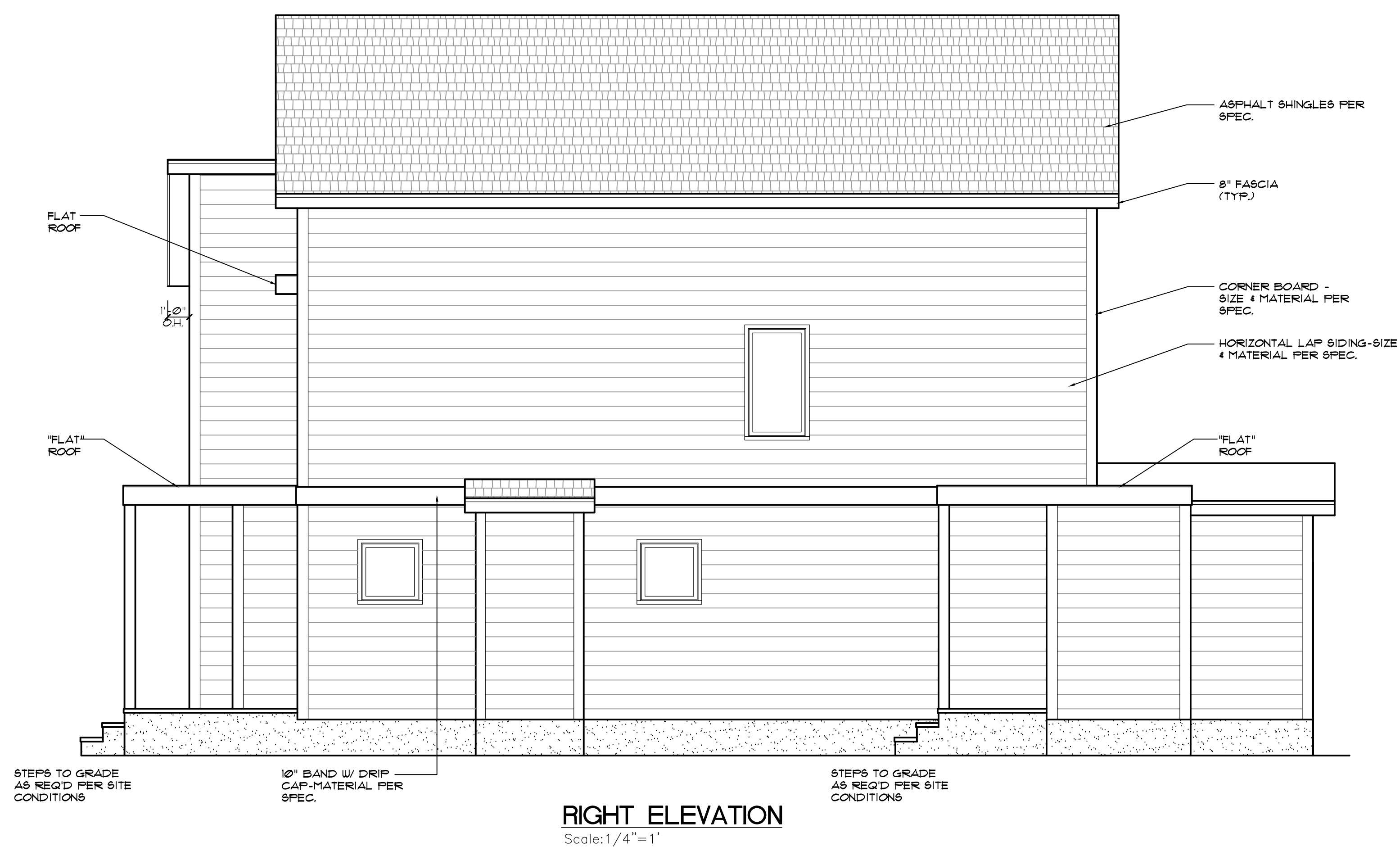
Sheet Title:
REAR & RIGHT ELEVATIONS

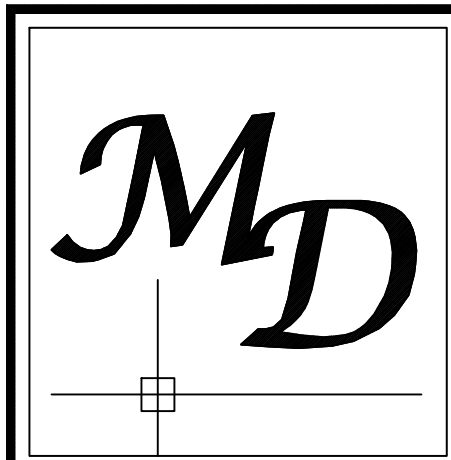
REVISIONS	
NUMBER	DATE

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Plan Number
M297-21
 Sheet No. **A2**
 Drawn By: **BPT**
 Date: **01.26.2022**

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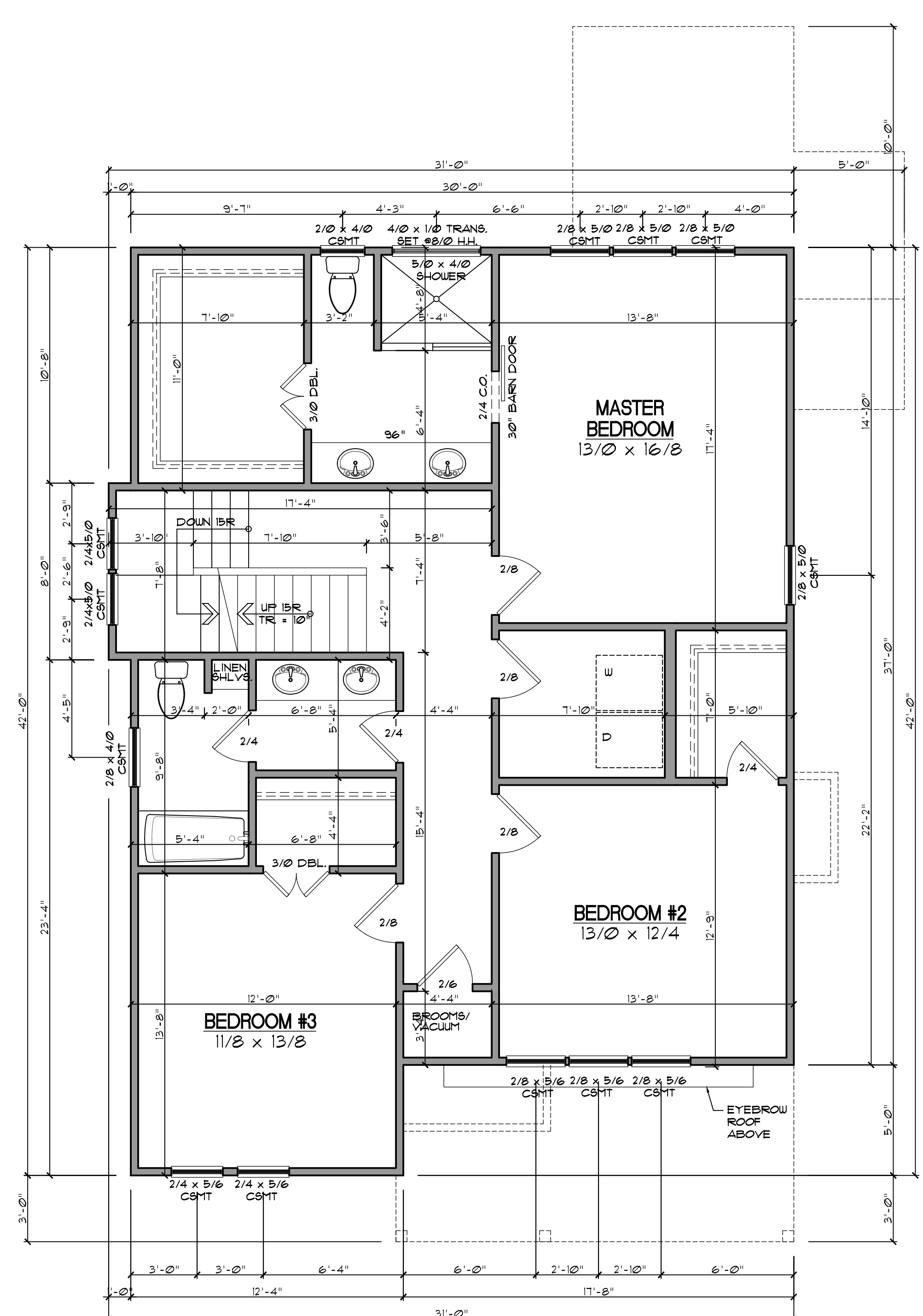
J&W Custom Homes
 Lot #2
 Alabama Avenue
 Durham, NC

Sheet Title:
FIRST/SECOND FLOOR PLAN

REVISIONS	
NUMBER	DATE

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Plan Number
M297-21
 Sheet No. **A3**
 Drawn By: **BPT**
 Date: **01.26.2022**



GENERAL NOTES

WALLS:
 ALL WALLS ARE DRAWN 4" THICK UNO.
 ANGLED WALL ARE DRAWN #45° UNO.

SMOKE DETECTORS:
 LOCATION AND NUMBER OF DETECTORS SHALL CONFORM TO NEC.

EGRESS:
 ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW WHICH CONFORMS TO R-310 OF THE N.C. BLDG. CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY CHOSEN WINDOWS MEET EGRESS REQUIREMENTS AS MANUFACTURERS VARY.

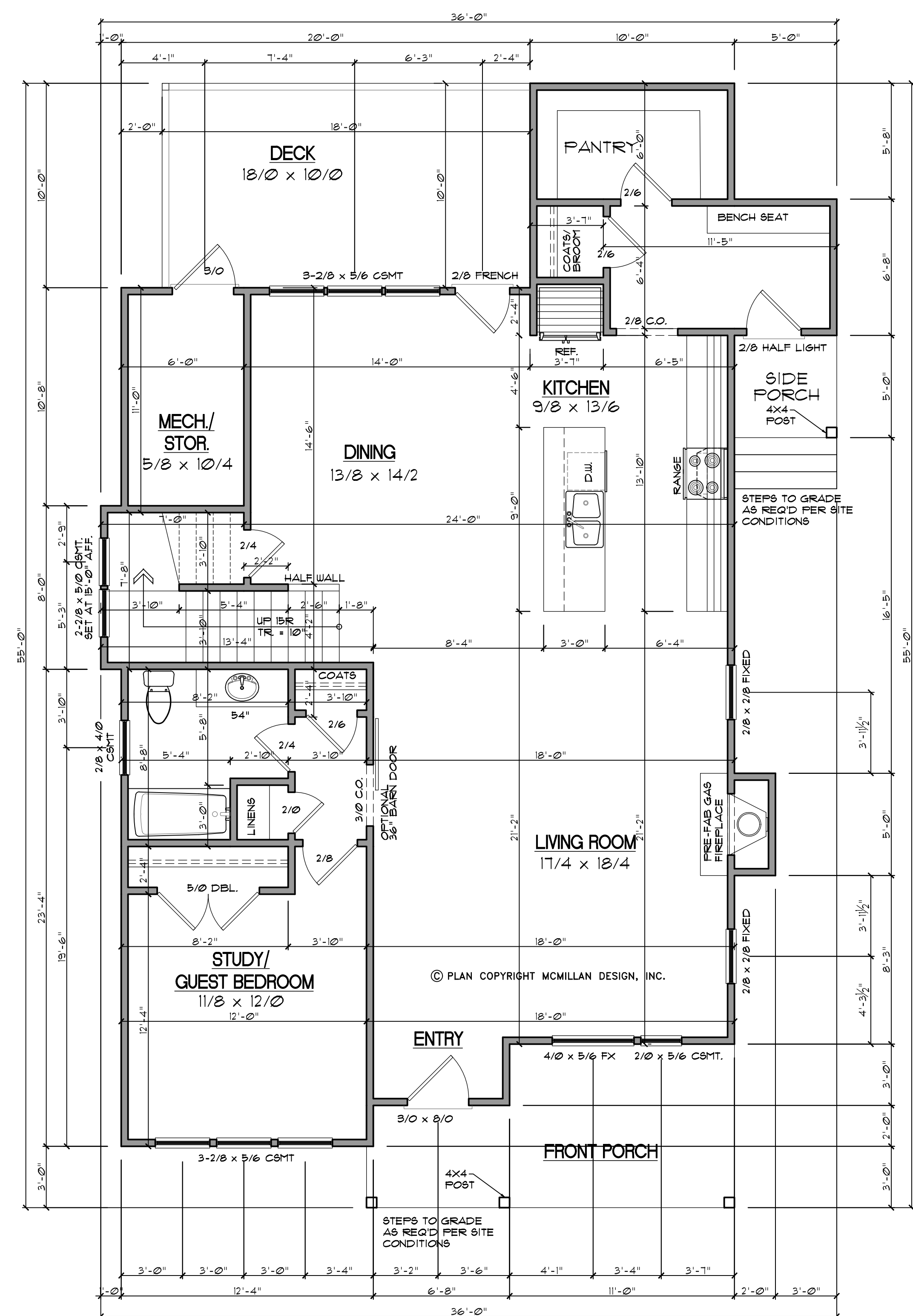
ATTIC ACCESS:
 MIN. ATTIC ACCESS SHALL BE PROVIDED BY BUILDER AND LOCATED ON SITE.

WALL/CEILING HGT.
 9/0 CEILING HEIGHT TYP. UNO.
 FRAME WINDOW HEADERS AT 1'-4" AFF. UNO.

WALL AND CEILING HEIGHT NOTES ARE BASED ON NOMINAL WALL SIZE.

KNEE WALL HEIGHT LABELS
 FOR WALLS UNDER RAFTERS ASSUME AN EXTRA 2" FOR FURRING (IN HEATED SPACES) FOR INSULATION. THE WALL HEIGHT REFERS TO THE HGT. FROM THE FLOOR DECKING TO THE BOTTOM OF THE FURRING.

SECOND FLOOR
 SCALE: 1/4"=1'



GENERAL NOTES

WALLS:
 ALL WALLS ARE DRAWN 4" THICK UNO.
 ANGLED WALL ARE DRAWN #45° UNO.

SMOKE DETECTORS:
 LOCATION AND NUMBER OF DETECTORS SHALL CONFORM TO NEC.

EGRESS:
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ATTIC ACCESS:
 MIN. ATTIC ACCESS SHALL BE PROVIDED BY BUILDER AND LOCATED ON SITE.

WALL/CEILING HGT.
 9/0 CEILING HEIGHT TYP. UNO.
 FRAME WINDOW HEADERS AT 1'-4" AFF. UNO.

WALL AND CEILING HEIGHT NOTES ARE BASED ON NOMINAL WALL SIZE.

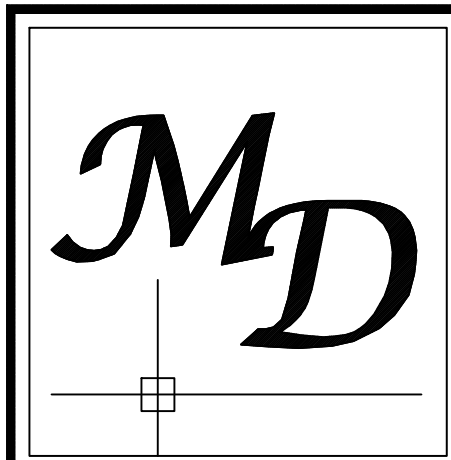
KNEE WALL HEIGHT LABELS
 FOR WALLS UNDER RAFTERS ASSUME AN EXTRA 2" FOR FURRING (IN HEATED SPACES) FOR INSULATION. THE WALL HEIGHT REFERS TO THE HGT. FROM THE FLOOR DECKING TO THE BOTTOM OF THE FURRING.

FIRST FLOOR
 SCALE: 1/4"=1'

Heated Square Footage	
First Floor	1,269
Second Floor	1,112
Third Floor Recreation	352
	2,733

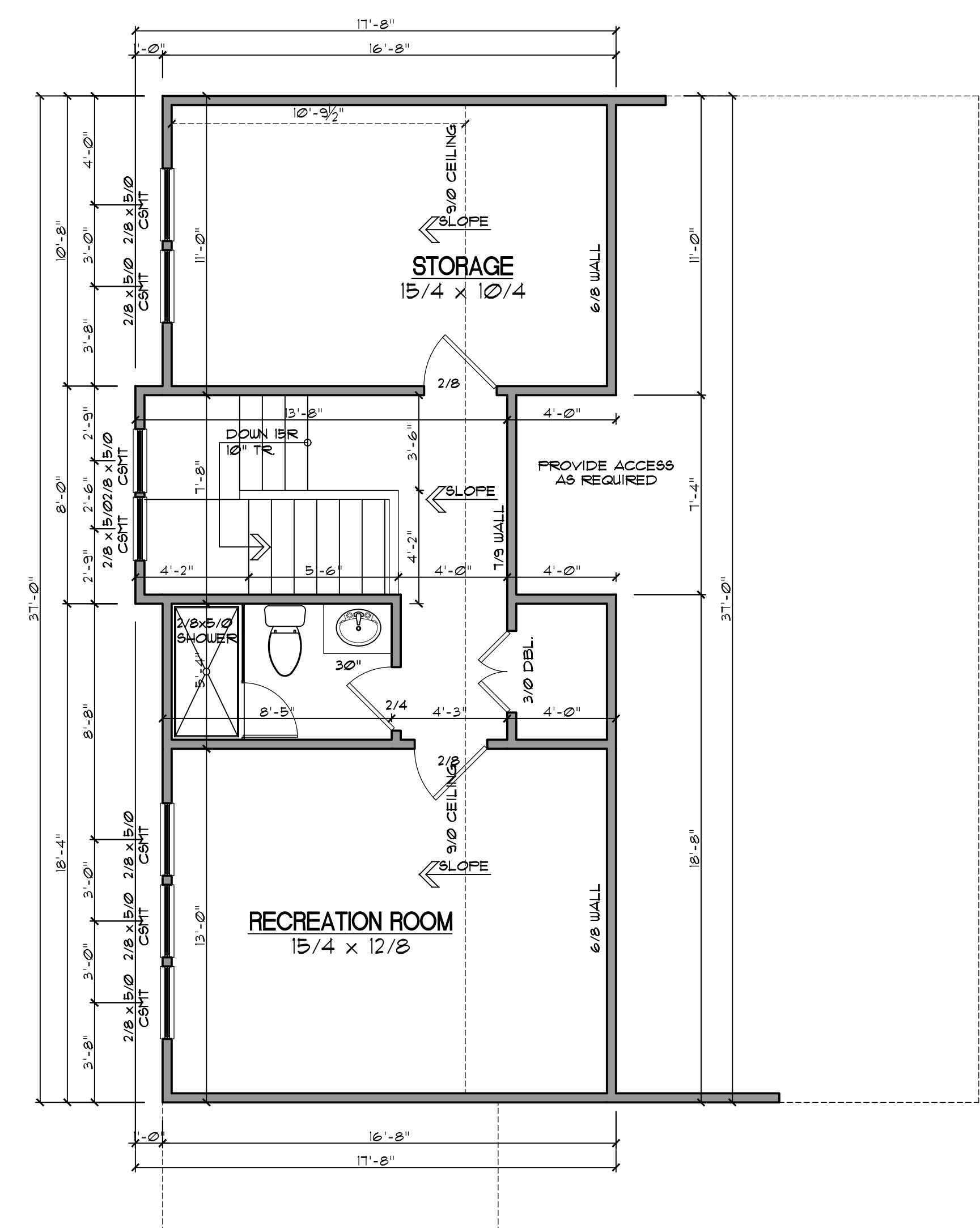
Unheated	
Deck	180
Front Porch	123
Mechanical/Storage	64
Side Porch	25
Third Floor Storage	179
	571

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GENERAL NOTES

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SMOKE DETECTORS:
 LOCATION AND NUMBER OF DETECTORS SHALL CONFORM TO NEG.

EGRESS:
 ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW WHICH CONFORMS TO R-310 OF THE NC BLDG. CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY CHOSEN WINDOWS MEET EGRESS REQUIREMENTS AS MANUFACTURERS VARY.

ATTIC ACCESS:
 MIN. ATTIC ACCESS SHALL BE PROVIDED BY BUILDER AND LOCATED ON SITE.

WALL/CEILING HGT.
 9/0 CEILING HEIGHT TYP. UNO. FRAME WINDOW HEADERS AT 6'-8" AFF. UNO.

WALL AND CEILING HEIGHT NOTES ARE BASED ON NOMINAL WALL SIZE.

KNEE WALL HEIGHT LABELS FOR WALLS UNDER RAFTERS ASSUME AN EXTRA 2" FOR FURRING (IN HEATED SPACES) FOR INSULATION. THE WALL HEIGHT REFERS TO THE HGT. FROM THE FLOOR DECKING TO THE BOTTOM OF THE FURRING.

ATTIC FLOOR
 SCALE: 1/4"=1'

Sheet Title:
ATTIC FLOOR PLAN

REVISIONS

NUMBER	DATE

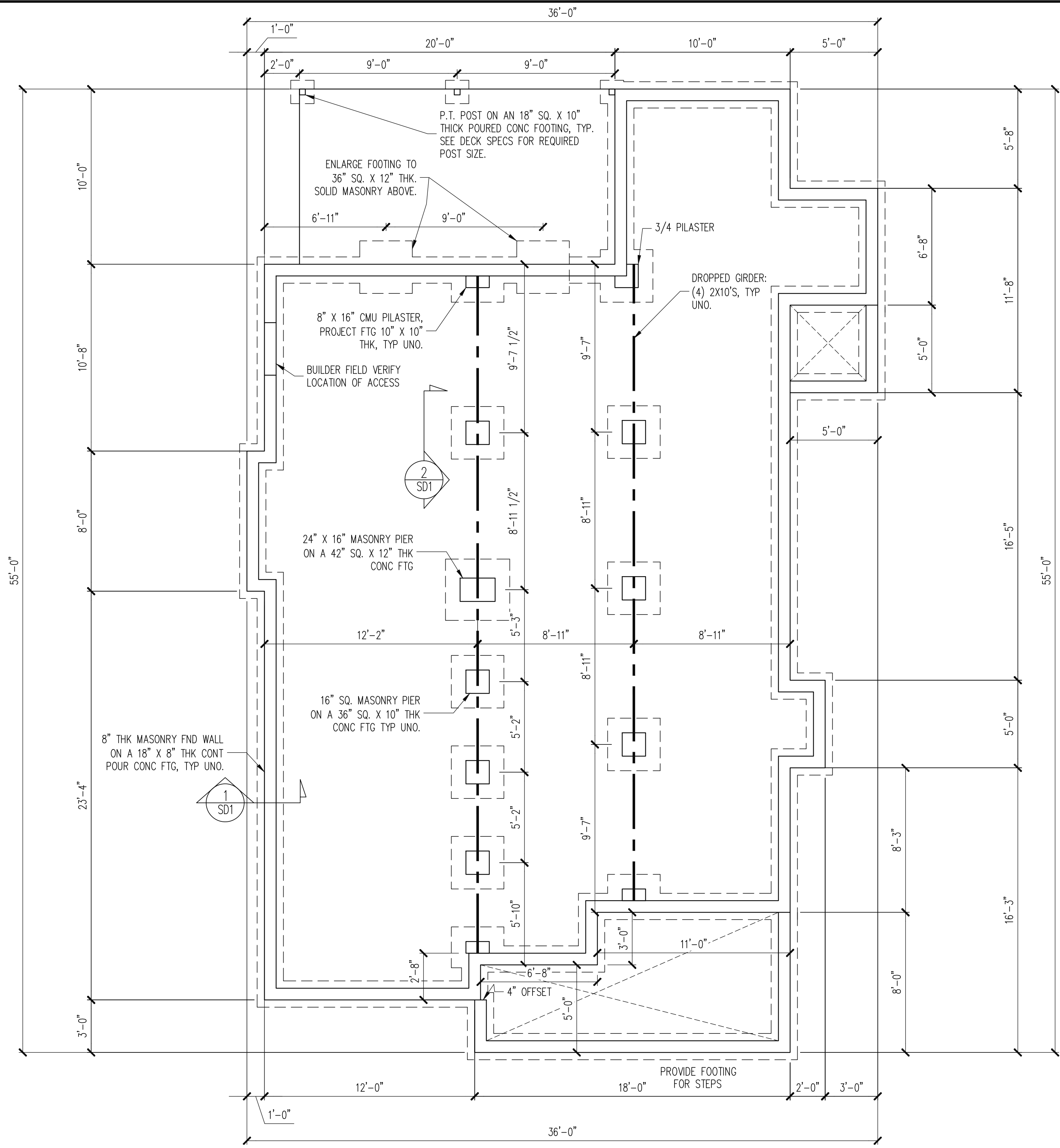
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Plan Number
M297-21

Sheet No. **A4**

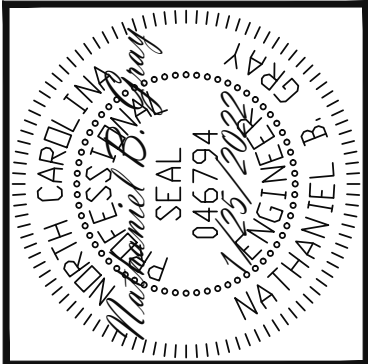
Drawn By: **BPT**

Date: **01.26.2022**



NOTES:
 -HEIGHT AND BACKFILL LIMITATIONS FOR FOUNDATION WALLS ARE TO BE GOVERNED BY THE NCSBC, LATEST EDITION. REINFORCEMENT AND GROUTING SHALL BE DETERMINED BY FINAL SITE CONDITIONS.
 -BUILDER TO FIELD LOCATE CRAWLSPACE ACCESS OPENING WITH MINIMUM DIMENSIONS OF 18X24. DO NOT LOCATE ACCESS OPENING BELOW POINT LOADS FROM ABOVE WITHOUT ENGINEER APPROVAL.

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



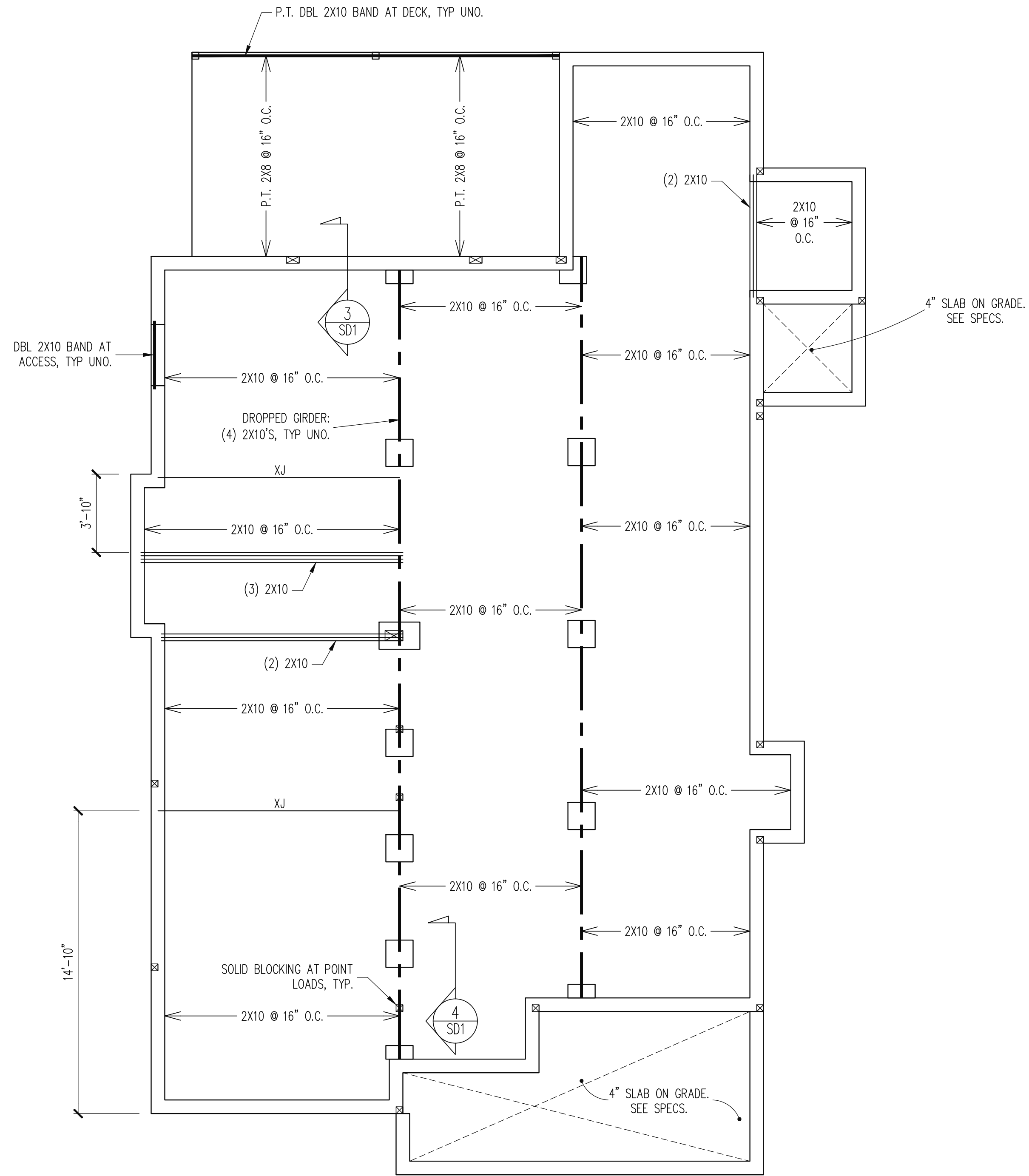
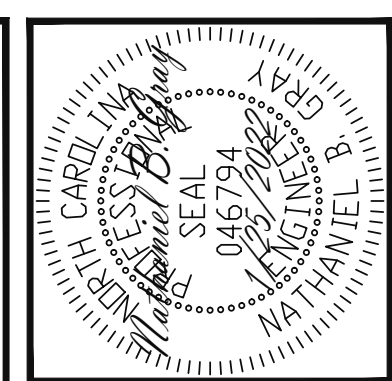
Engineering Tech ASSOCIATES, P.A.
 STRUCTURAL ENGINEERS
 License No. C-3870
 318 W Millbrook Rd. Unit 201
 Raleigh, North Carolina 27609
 Phone (919) 844-1661

J&W CUSTOM HOMES	
SCOPE:	STRUCTURAL ABENDUM
LOT:	2 ALABAMA AVE
REV #	REF PROJ #
DATE	DATE

ENG: NBG/CR
 DATE: 1/25/2022

PROJECT NO.
 22-21-004

SHEET NO.
 S1
 1 of 8



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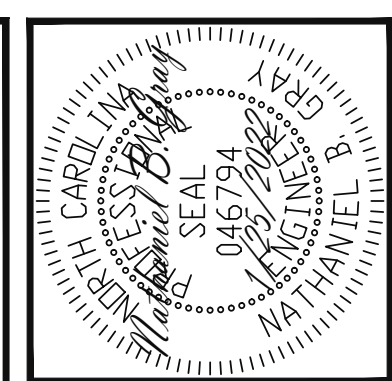
J&W CUSTOM HOMES		REV #	REF PROJ #	DATE
SCOPE:	STRUCTURAL ABENDUM			
LOT:	2 ALABAMA AVE			

ENG: NBG/CR
 DATE: 1/25/2022

PROJECT NO.
 22-21-004

SHEET NO.
 S2

2 of 8



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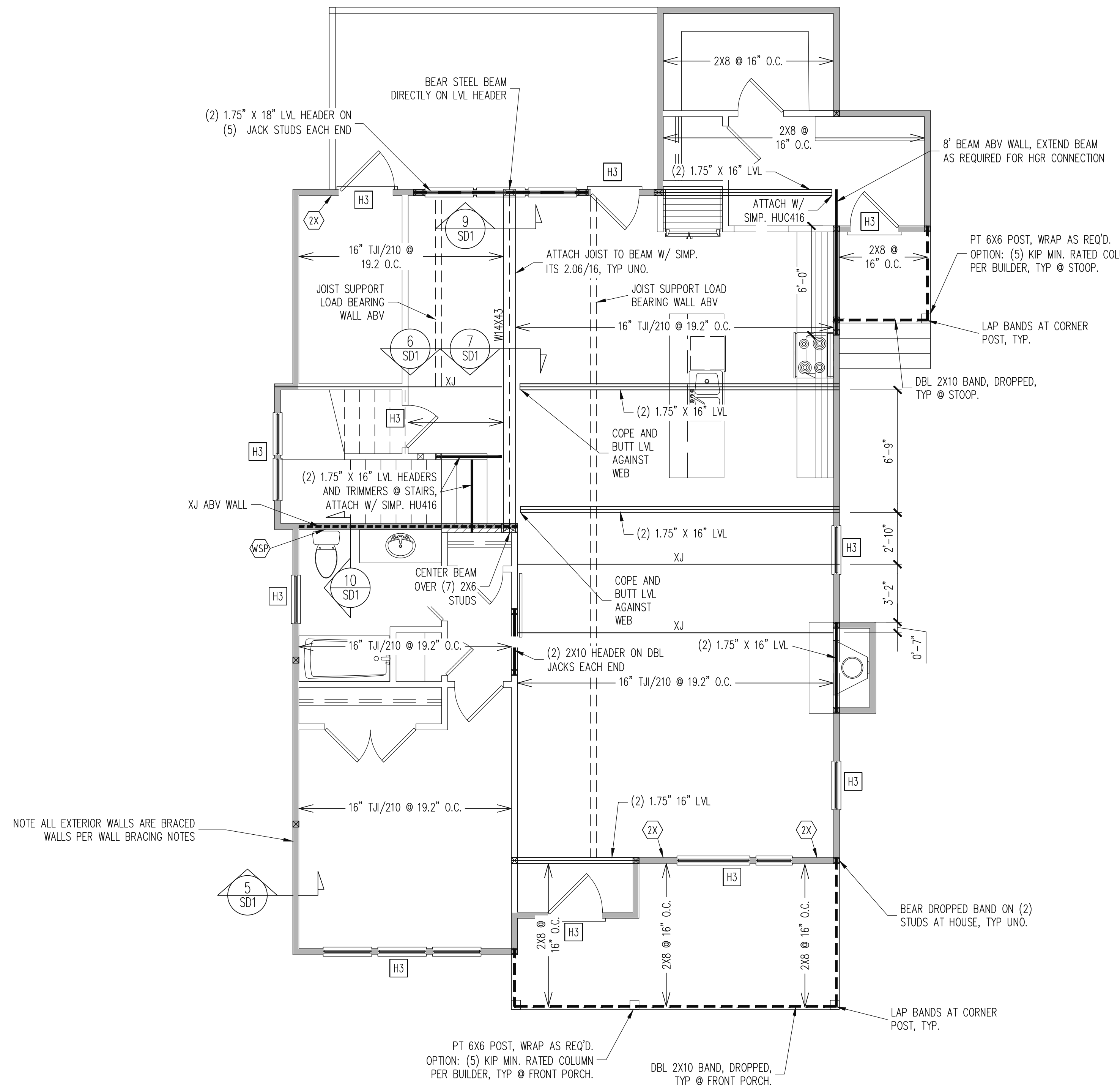
Engineering
Tech
 ASSOCIATES, P.A.

J&W CUSTOM HOMES	
SCOPE: STRUCTURAL ABENDUM	LOT: 2 ALABAMA AVE
REV #	REF PROJ #
DATE	

ENG: NBG/CR
DATE: 1/25/2022

PROJECT NO.
 22-21-004

SHEET NO.
 S3
 3 of 8



CONSTRUCTION SPECIFICATIONS
 INSTANT REFERENCES

REFER TO THE CONSTRUCTION SPECIFICATIONS SECTIONS FOR THE FOLLOWING INFORMATION:

PART 1.01: CURRENT GOVERNING CODE

PART 14: STUD SUPPORT FOR BEAMS

PART 17: KING STUDS FOR EXTERIOR WALLS

SEE DETAIL / CONSTRUCTION SPECIFICATIONS SHEETS FOR I-JOISTS ALLOWABLE SUBSTITUTIONS

WALL BRACING

SHADED WALLS:

ALL EXTERIOR STUD WALLS, EXTERIOR SIDE, ARE TO BE CONTINUOUSLY SHEATHED WITH 7/16 APA RATED OSB NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD.

NOTES:
 PROVIDED CONTINUOUS SHEATHING = 180' MIN.

REFERENCE PART 16.02 OF CONSTRUCTION SPECIFICATIONS FOR GENERAL WIND BRACING INFORMATION.

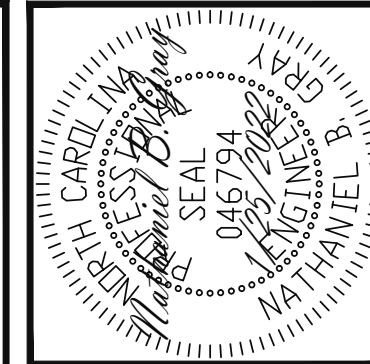
HEADER SCHEDULE

H1 SINGLE 2X4 TURNED FLAT (A)
 H2 (2) 2X4'S ON SINGLE JACKS (B)
 H3 (2) 2X10'S ON SINGLE JACKS (C)
 H4 (2) 1.75" X 9.25" LVL'S ON DBL JACKS
 H5 (3) 2X10'S ON SINGLE JACKS

(A) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPENING 38" MAX.
 (B) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPNG 38" TO 74" MAX.
 (C) TYPICAL FOR ALL CONDITIONS NOT LISTED IN (A) OR (B) UNO.

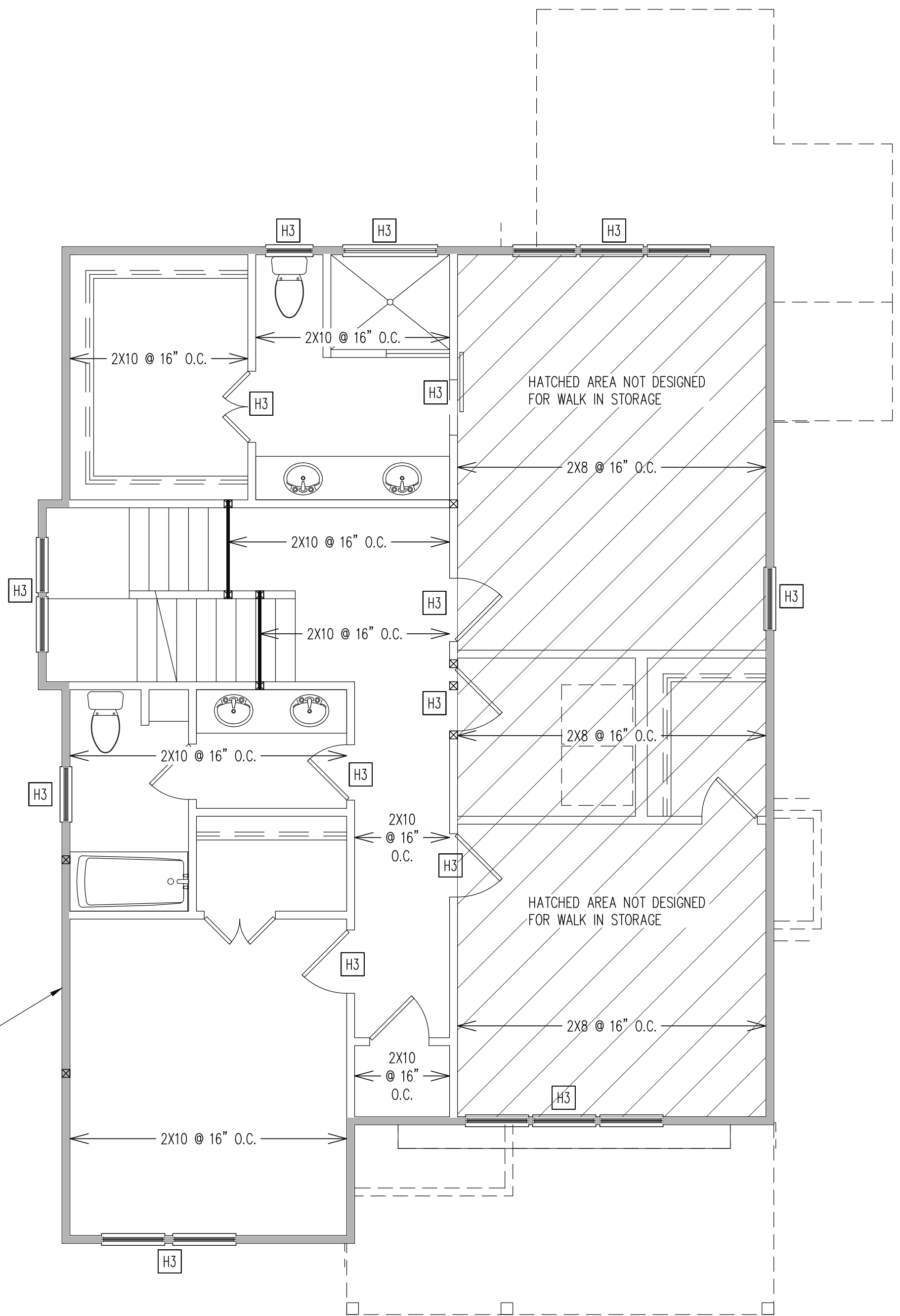
NOTES:
 -HEADERS IN NON LOAD BEARING INTERIOR WALLS ARE NOT LABELED.

1ST FLOOR FRAMING PLAN
 WALLS AND CEILING
 1/4" = 1'-0"



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Engineering Tech
 ASSOCIATES, P.A.



CONSTRUCTION SPECIFICATIONS
 INSTANT REFERENCES

REFER TO THE CONSTRUCTION SPECIFICATIONS SECTIONS FOR THE FOLLOWING INFORMATION:

PART 1.01: CURRENT GOVERNING CODE

PART 14: STUD SUPPORT FOR BEAMS

PART 17: KING STUDS FOR EXTERIOR WALLS

SEE DETAIL / CONSTRUCTION SPECIFICATIONS SHEETS FOR I-JOISTS ALLOWABLE SUBSTITUTIONS

WALL BRACING

SHADED WALLS:

ALL EXTERIOR STUD WALLS, EXTERIOR SIDE, ARE TO BE CONTINUOUSLY SHEATHED WITH 7/16 APA RATED OSB NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD.

NOTES:
 PROVIDED CONTINUOUS SHEATHING = 173' MIN.

REFERENCE PART 16.02 OF CONSTRUCTION SPECIFICATIONS FOR GENERAL WIND BRACING INFORMATION.

HEADER SCHEDULE

H1 SINGLE 2X4 TURNED FLAT (A)

H2 (2) 2X4'S ON SINGLE JACKS (B)

H3 (2) 2X10'S ON SINGLE JACKS (C)

H4 (2) 1.75" X 9.25" LVL'S ON DBL JACKS

H5 (3) 2X10'S ON SINGLE JACKS

(A) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPENING 38" MAX.

(B) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPNG 38" TO 74" MAX.

(C) TYPICAL FOR ALL CONDITIONS NOT LISTED IN (A) OR (B) UNO.

NOTES:
 -HEADERS IN NON LOAD BEARING INTERIOR WALLS ARE NOT LABELED.

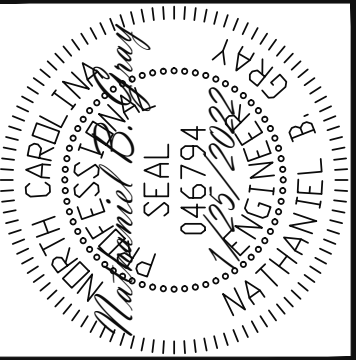
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	STRUCTURAL ABENDUM	
LOT:	REV #	REF PROJ #
	2	ALABAMA AVE
	DATE	

ENG: **NBG/CR**
 DATE: **1/25/2022**

PROJECT NO.
 22-21-004

SHEET NO.
 S4
 4 of 8

2ND FLOOR FRAMING PLAN
 WALLS AND CEILING
 1/4" = 1'-0"



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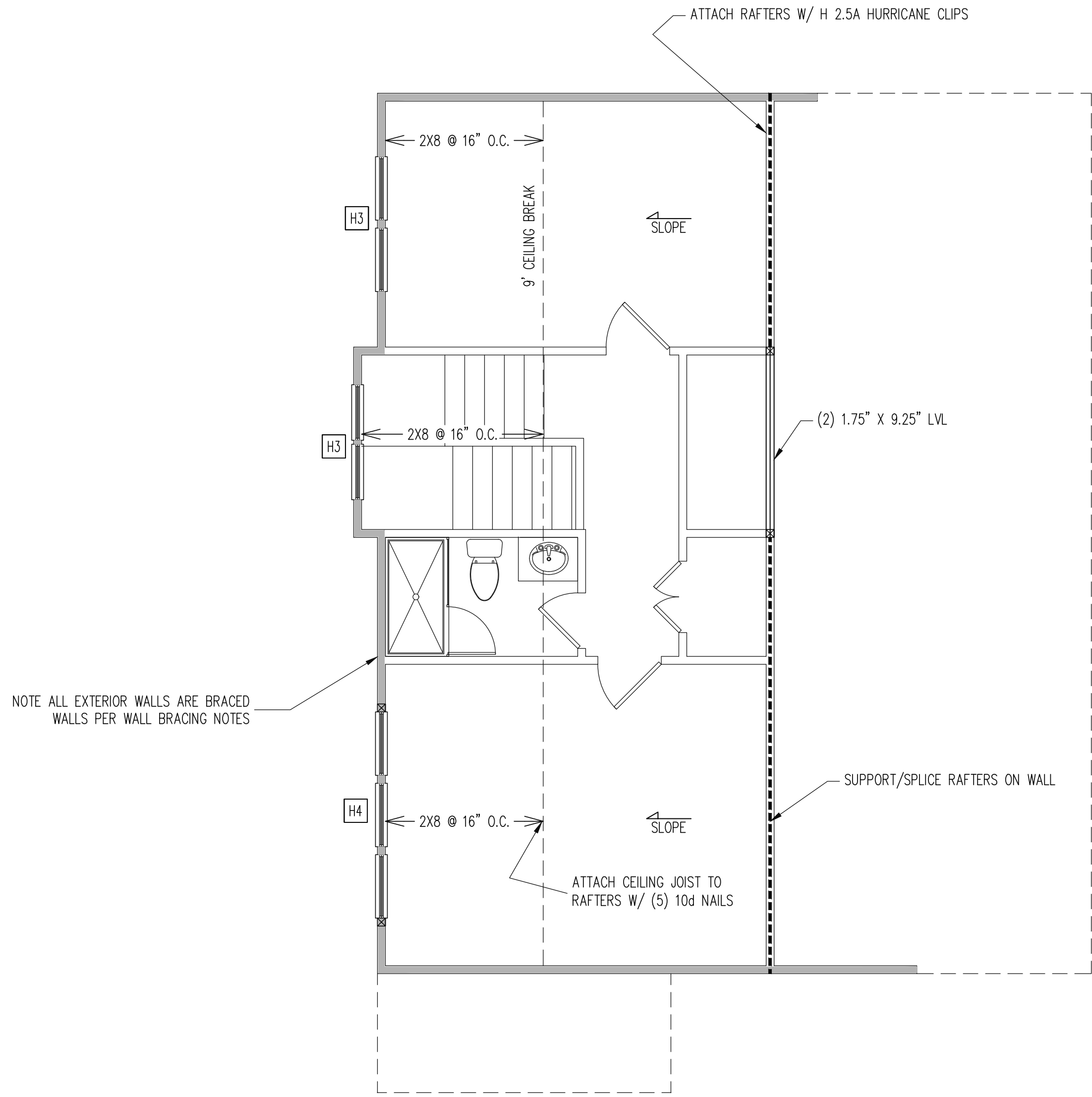
J&W CUSTOM HOMES	
SCOPE:	STRUCTURAL ABENDUM
LOT:	2 ALABAMA AVE
REV #	REF PROJ #
DATE	

ENG: NBG/CR
DATE: 1/25/2022

PROJECT NO.
 22-21-004

SHEET NO.
 S5

5 of 8



CONSTRUCTION SPECIFICATIONS
 INSTANT REFERENCES

REFER TO THE CONSTRUCTION SPECIFICATIONS SECTIONS FOR THE FOLLOWING INFORMATION:

PART 1.01: CURRENT GOVERNING CODE

PART 14: STUD SUPPORT FOR BEAMS

PART 17: KING STUDS FOR EXTERIOR WALLS

SEE DETAIL / CONSTRUCTION SPECIFICATIONS SHEETS FOR I-JOISTS ALLOWABLE SUBSTITUTIONS

WALL BRACING

SHADED WALLS:

ALL EXTERIOR STUD WALLS, EXTERIOR SIDE, ARE TO BE CONTINUOUSLY SHEATHED WITH 7/16 APA RATED OSB NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD.

NOTES:
 PROVIDED CONTINUOUS SHEATHING = 42' MIN.

REFERENCE PART 16.02 OF CONSTRUCTION SPECIFICATIONS FOR GENERAL WIND BRACING INFORMATION.

HEADER SCHEDULE

H1 SINGLE 2X4 TURNED FLAT (A)

H2 (2) 2X4'S ON SINGLE JACKS (B)

H3 (2) 2X10'S ON SINGLE JACKS (C)

H4 (2) 1.75" X 9.25" LVL'S ON DBL JACKS

H5 (3) 2X10'S ON SINGLE JACKS

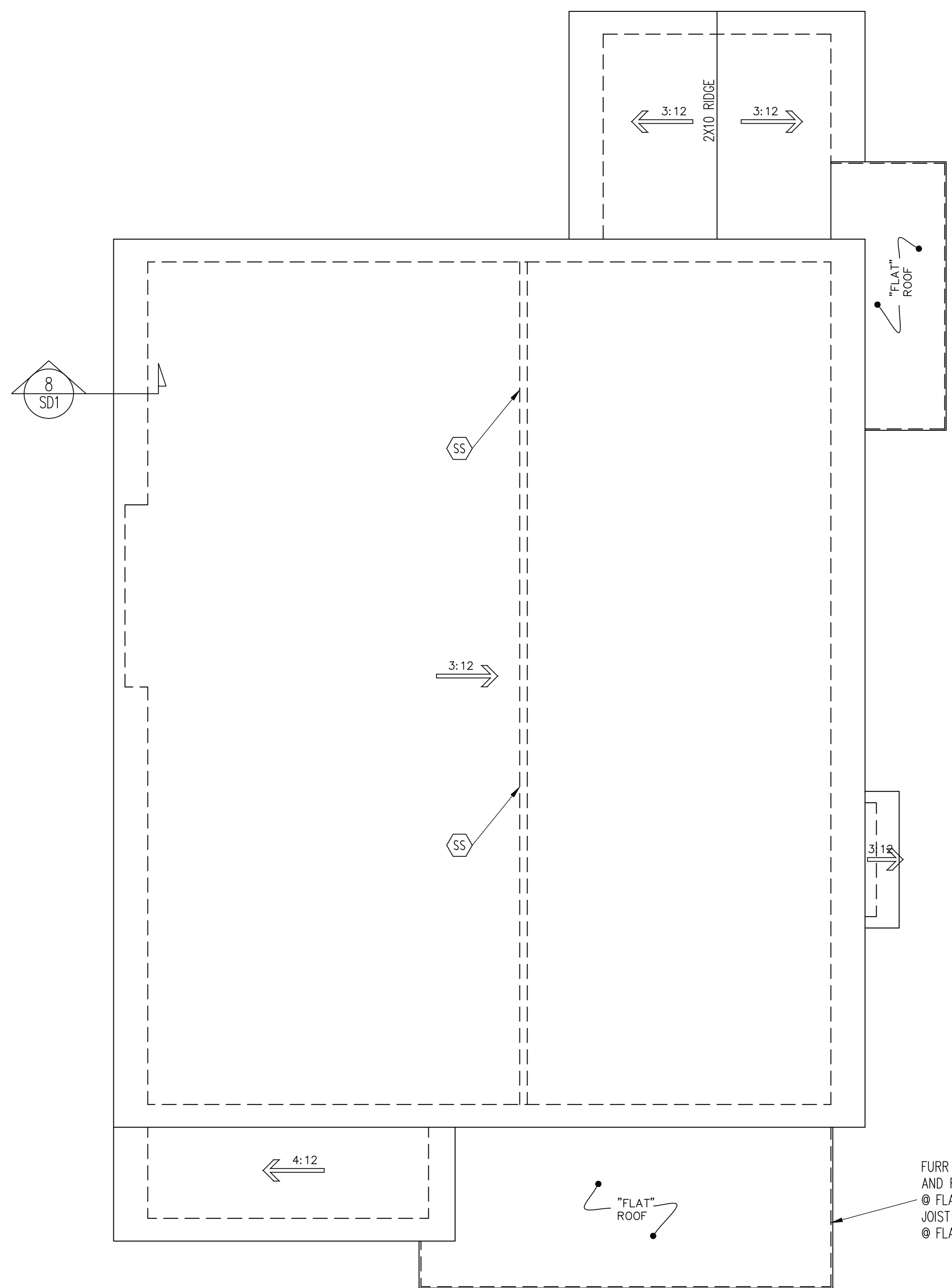
(A) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPENING 38" MAX.

(B) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPNG 38" TO 74" MAX.

(C) TYPICAL FOR ALL CONDITIONS NOT LISTED IN (A) OR (B) UNO.

NOTES:
 -HEADERS IN NON LOAD BEARING INTERIOR WALLS ARE NOT LABELED.

ATTIC FRAMING PLAN
 WALLS AND CEILING
 1/4" = 1'-0"

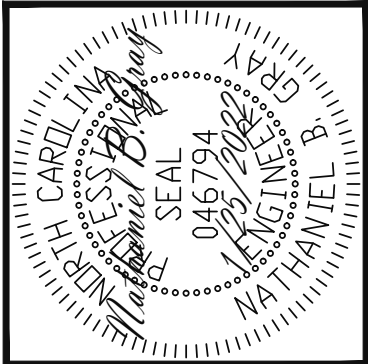


FRAMING NOTES
 ROOF ONLY
 -COMMON RAFTERS 2X8 @ 16" O.C. TYP U.N.O.
 -COLLAR TIES 2X4 EVERY 3RD SET OF RAFTERS TYP U.N.O.
 -VERIFY ROOF PITCHES, OVERHANG LENGTHS, AND KNEEWALL FRAMING HGTS WITH ARCHITECTURAL DRAWINGS, TYPICAL.

FRAMING SCHEDULE
 ROOF ONLY
 SS SUPPORT/SPLICE RAFTERS ON KNEEWALL BELOW

FURR UP FOR WATERPROOFING AND RUN-OFF PER BUILDER, TYP @ FLAT ROOF. DO NOT BEVEL JOIST TO ACHIEVE RUNOFF, TYP @ FLAT ROOFS

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



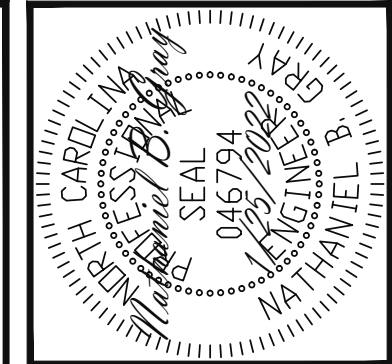
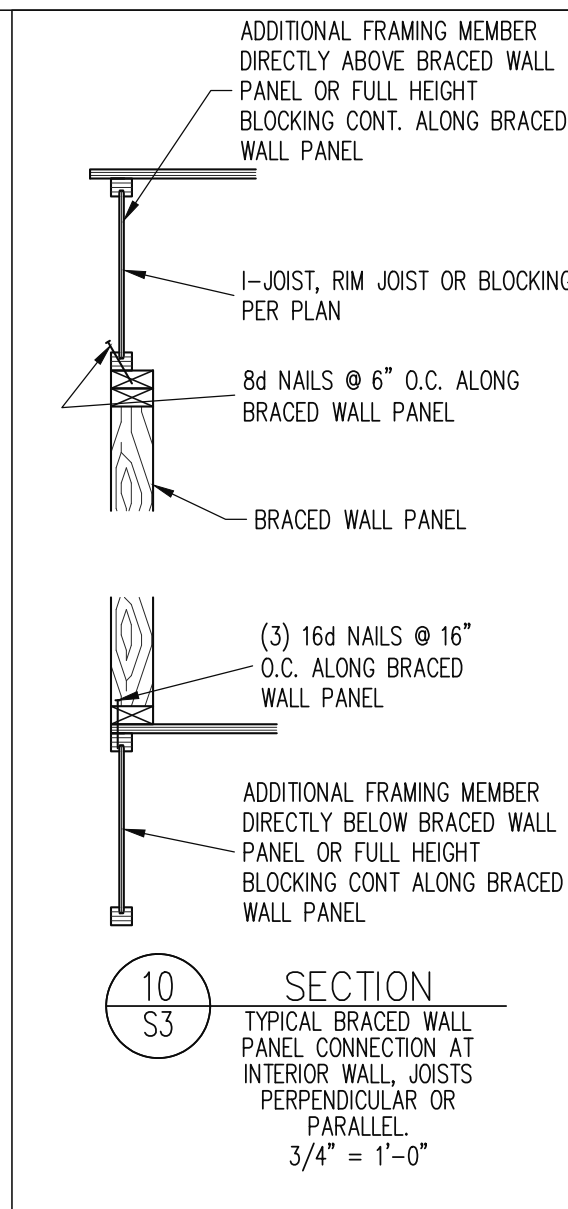
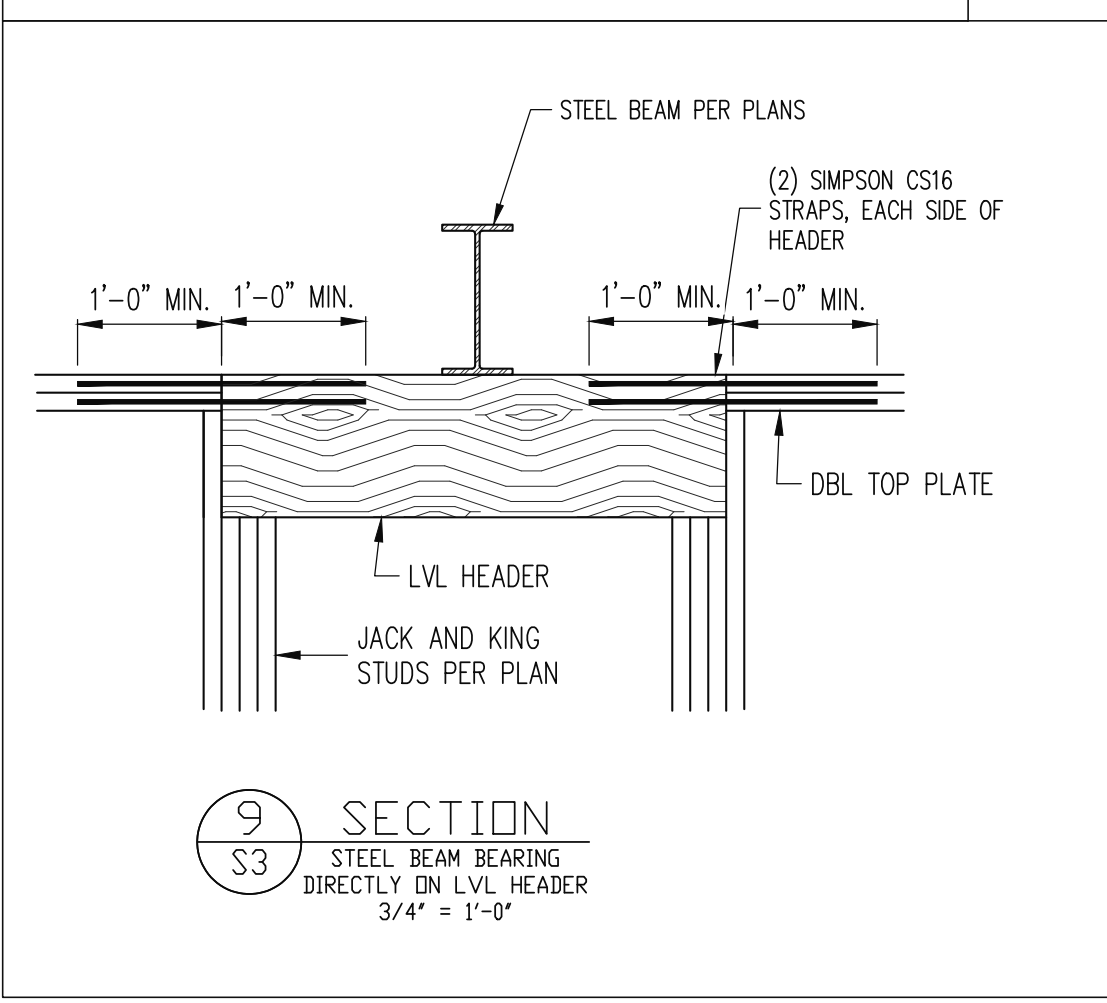
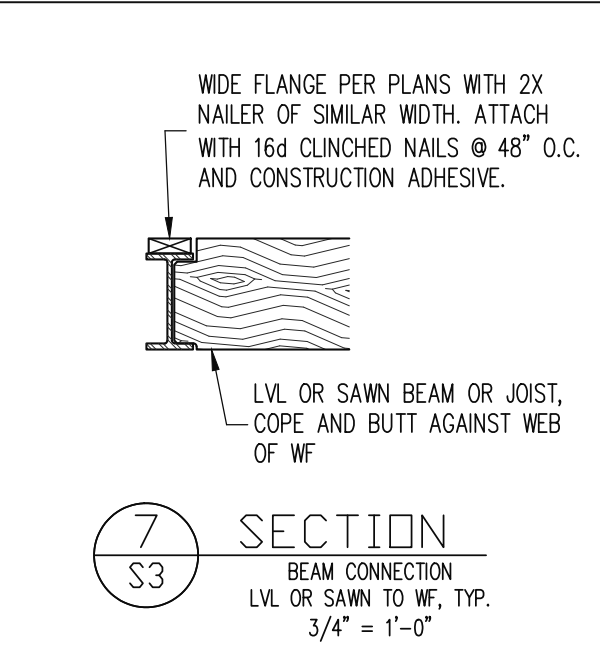
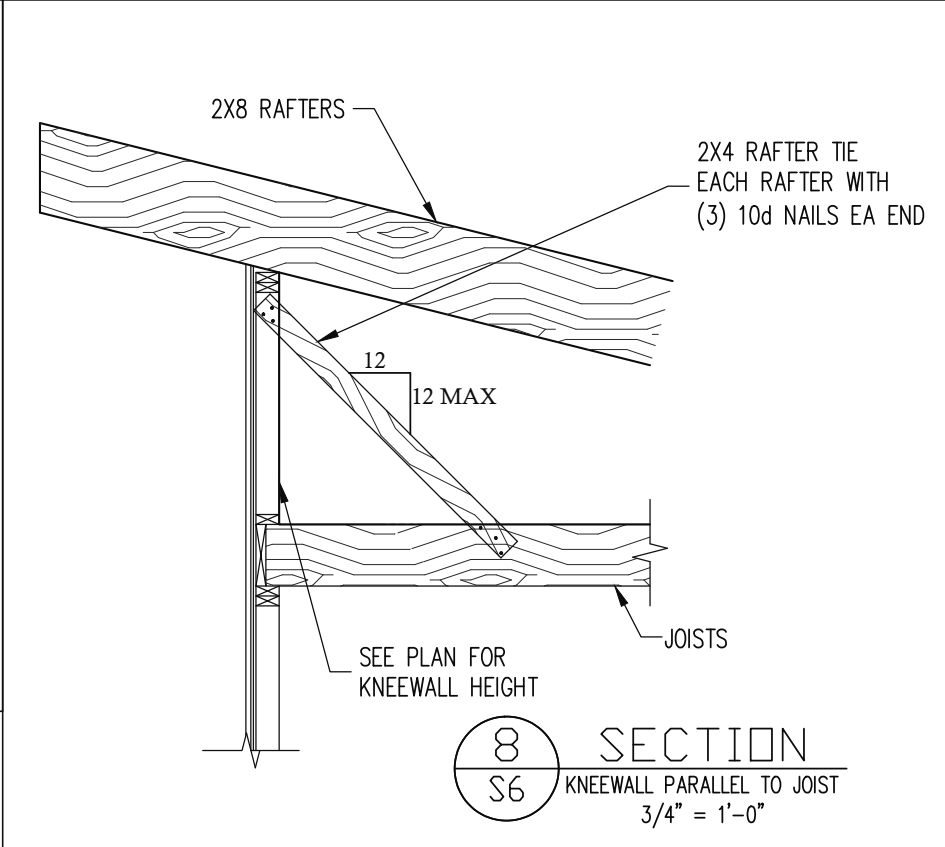
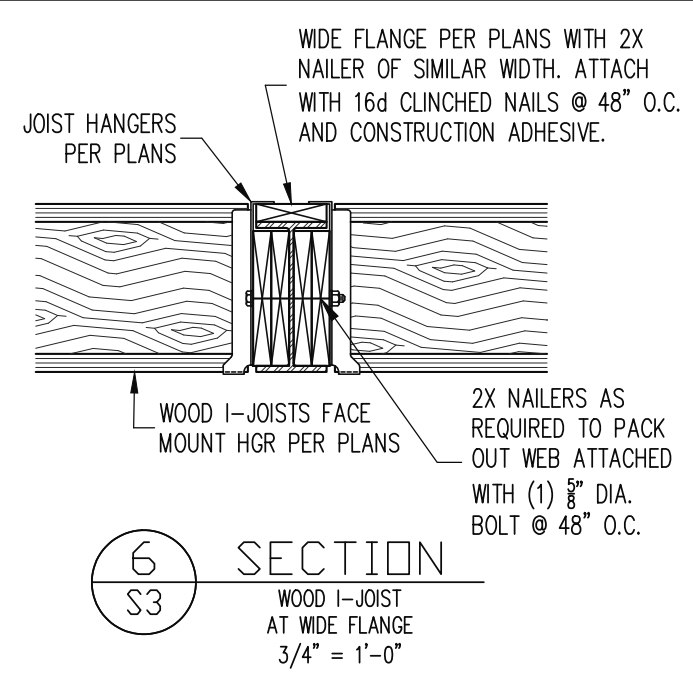
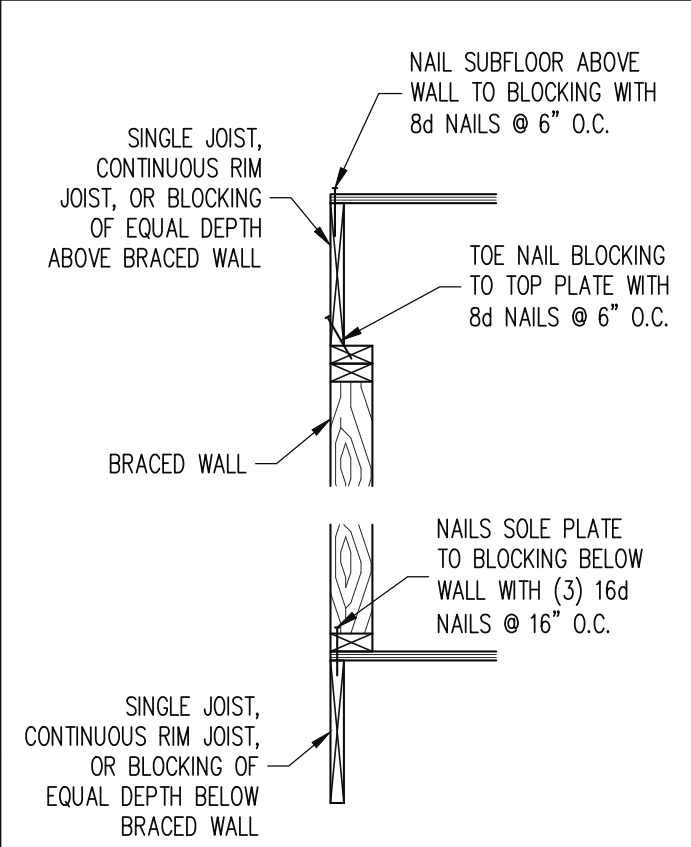
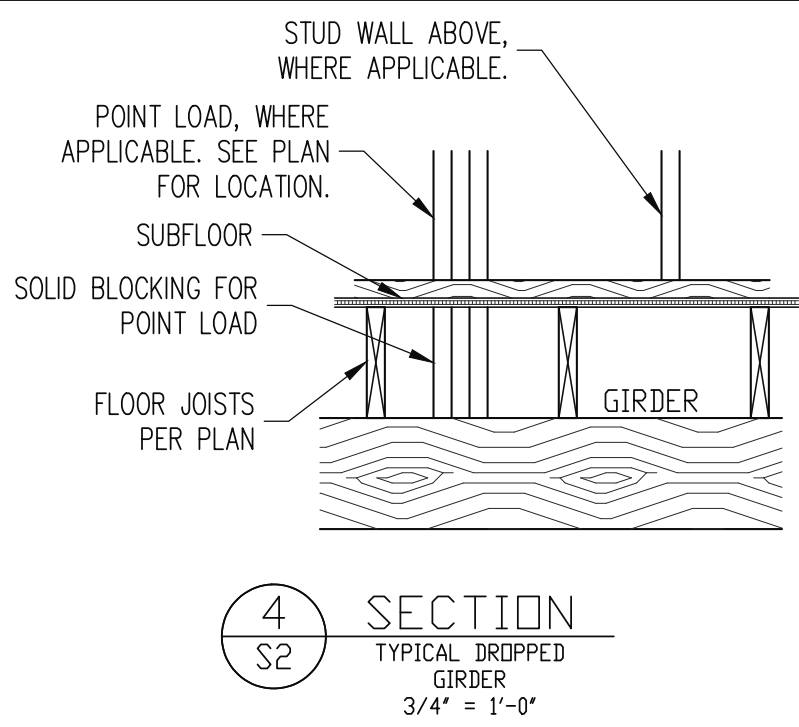
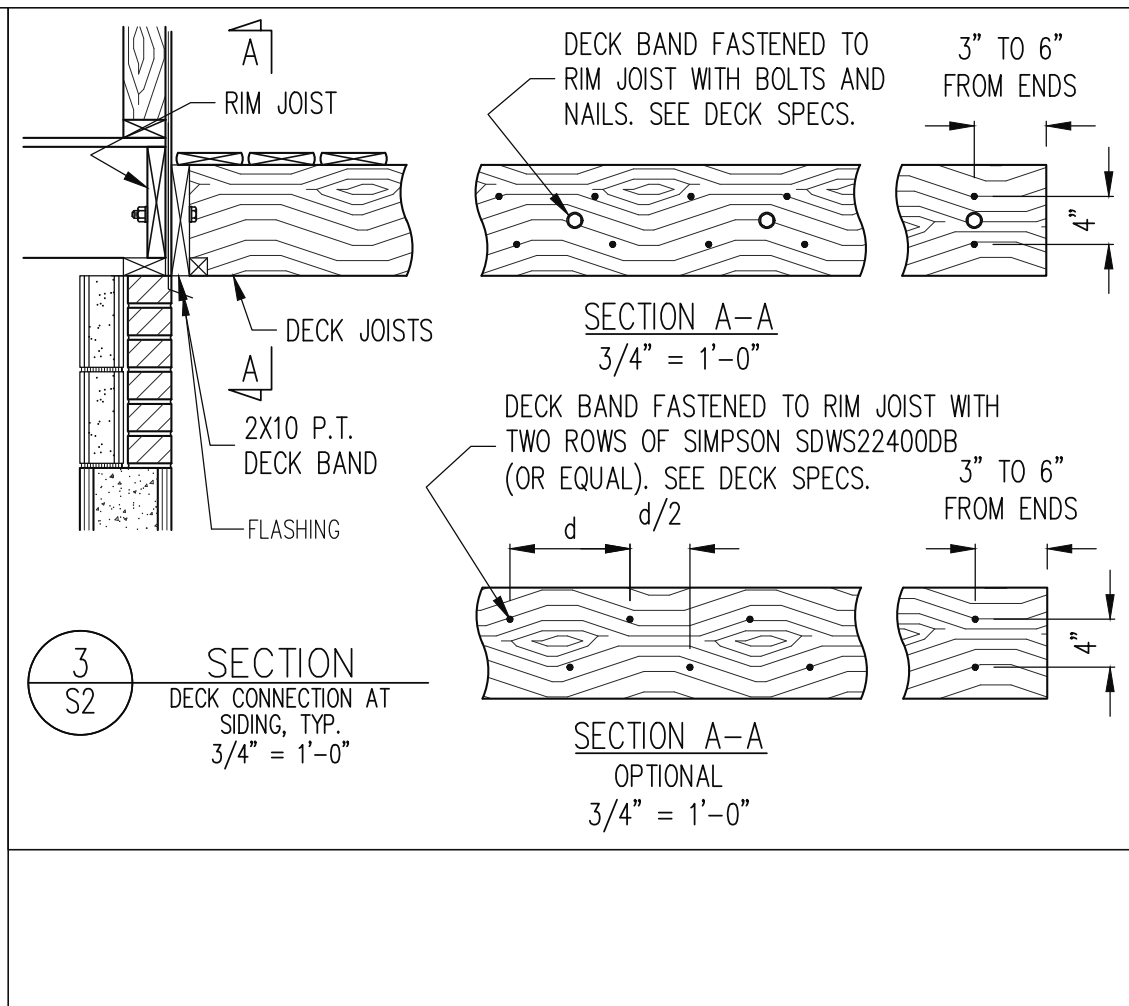
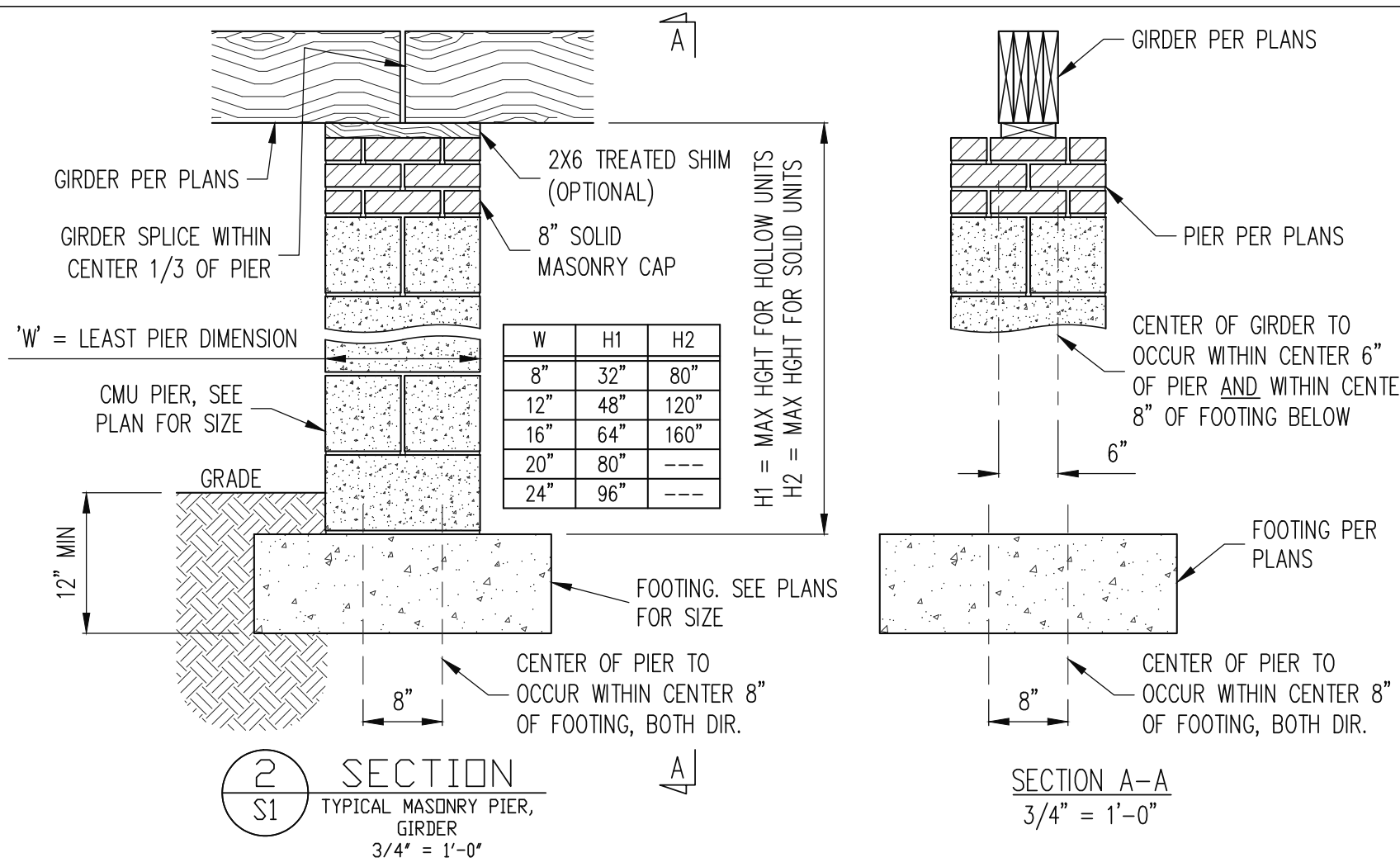
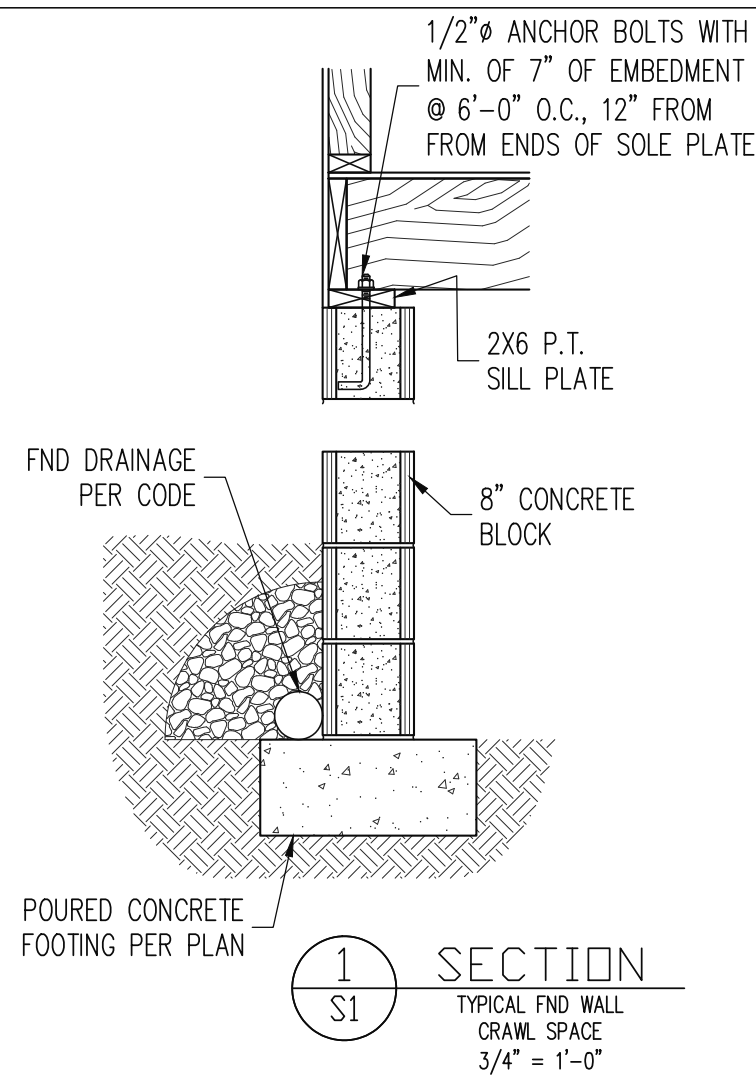
Engineering Tech ASSOCIATES, P.A.
 STRUCTURAL ENGINEERS
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 Phone (919) 844-1661

J&W CUSTOM HOMES		
SCOPE:	STRUCTURAL ABENDUM	
LOT:	2 ALABAMA AVE	
REV #	REF PROJ #	DATE

ENG: Nbg/CR
DATE: 1/25/2022

PROJECT NO.
 22-21-004

SHEET NO.
 S6
 6 of 8



Engineering

STRUCTURAL ENGINEERS

License No. C-3870

318 W Millbrook Rd. Unit 201

Raleigh, North Carolina 27609

Phone (919) 844-1661

Lech

ASSOCIATES, P.A.

J&W CUSTOM HOMES

STRUCTURAL ABENDUM

REV #	REF PROJ #	DATE

2 ALABAMA AVE

SCOPE: LOT: 2

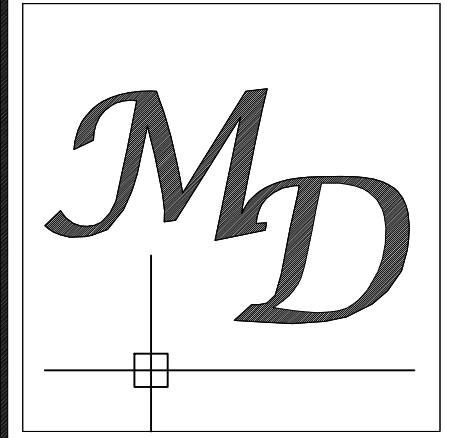
ENG: NBG/CR

DATE: 1/25/2022

PROJECT NO. 22-21-004

SHEET NO. SD1

7 of 8



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TYPICAL DETAILS

Sheet Title:
DETAIL SHEET

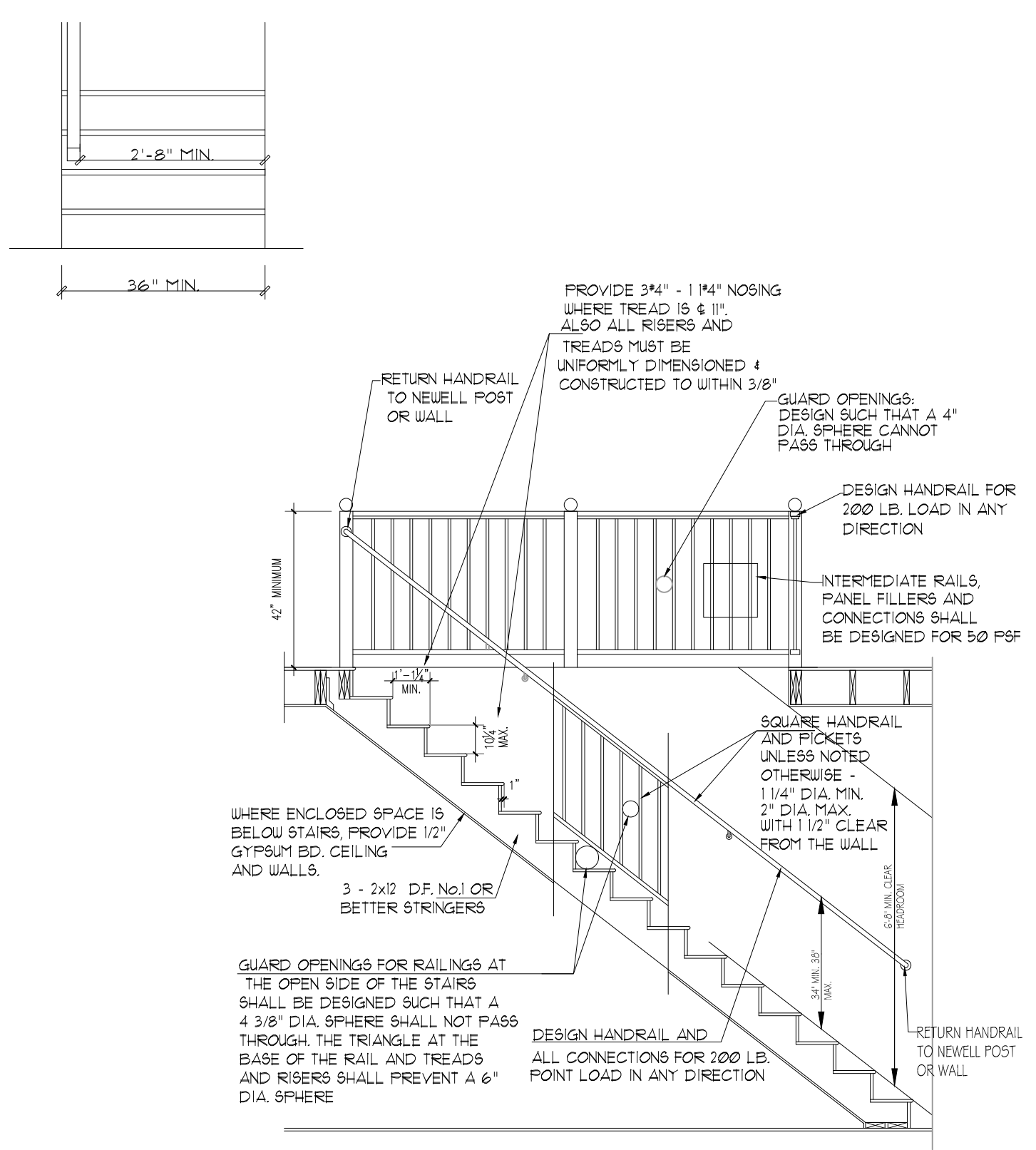
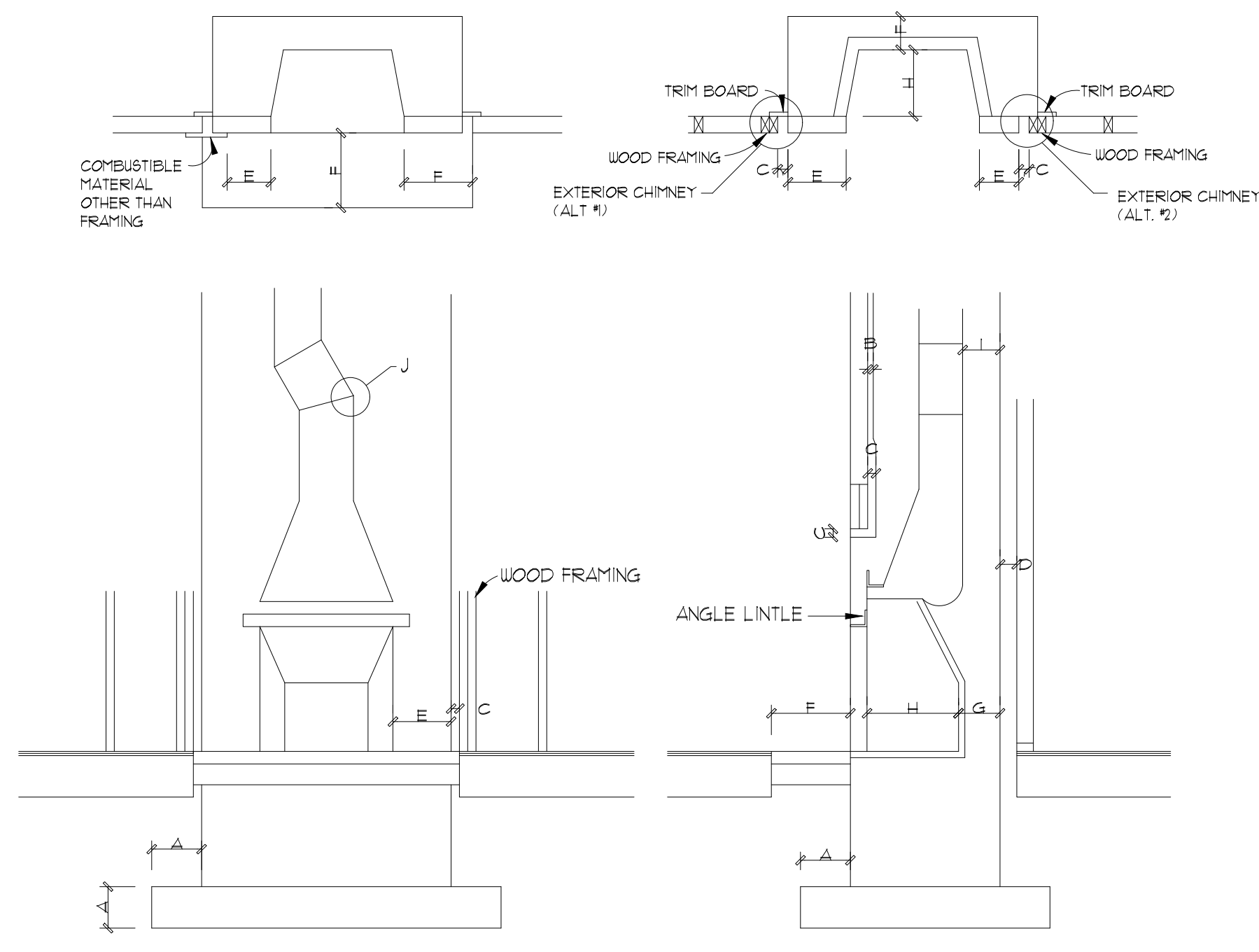
REVISIONS	
NUMBER	DATE

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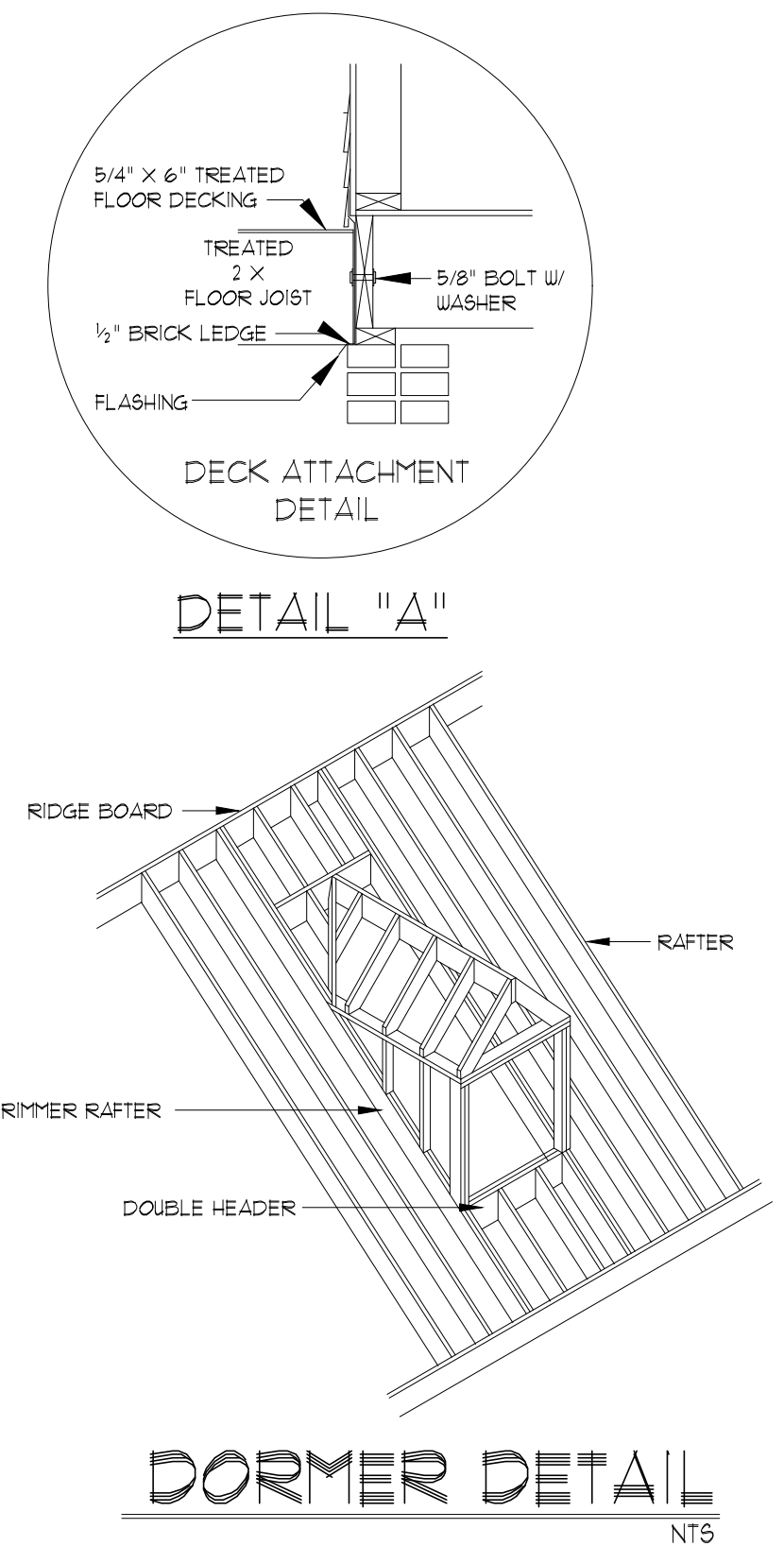
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Plan Number
TYPICAL
 Sheet No. **D1**
 Drawn By: **MMc.**
 Date: **10-01-19**
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FIGURE NO. R-1001
 FIREPLACE AND CHIMNEY DETAILS

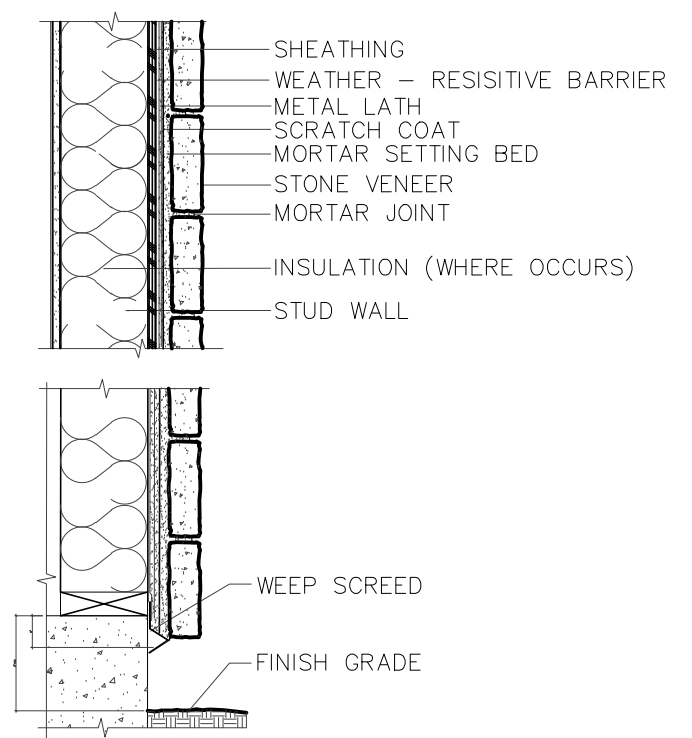


STAIR DETAIL
 SCALE: NTS



DETAIL "A"

DORMER DETAIL
 NTS

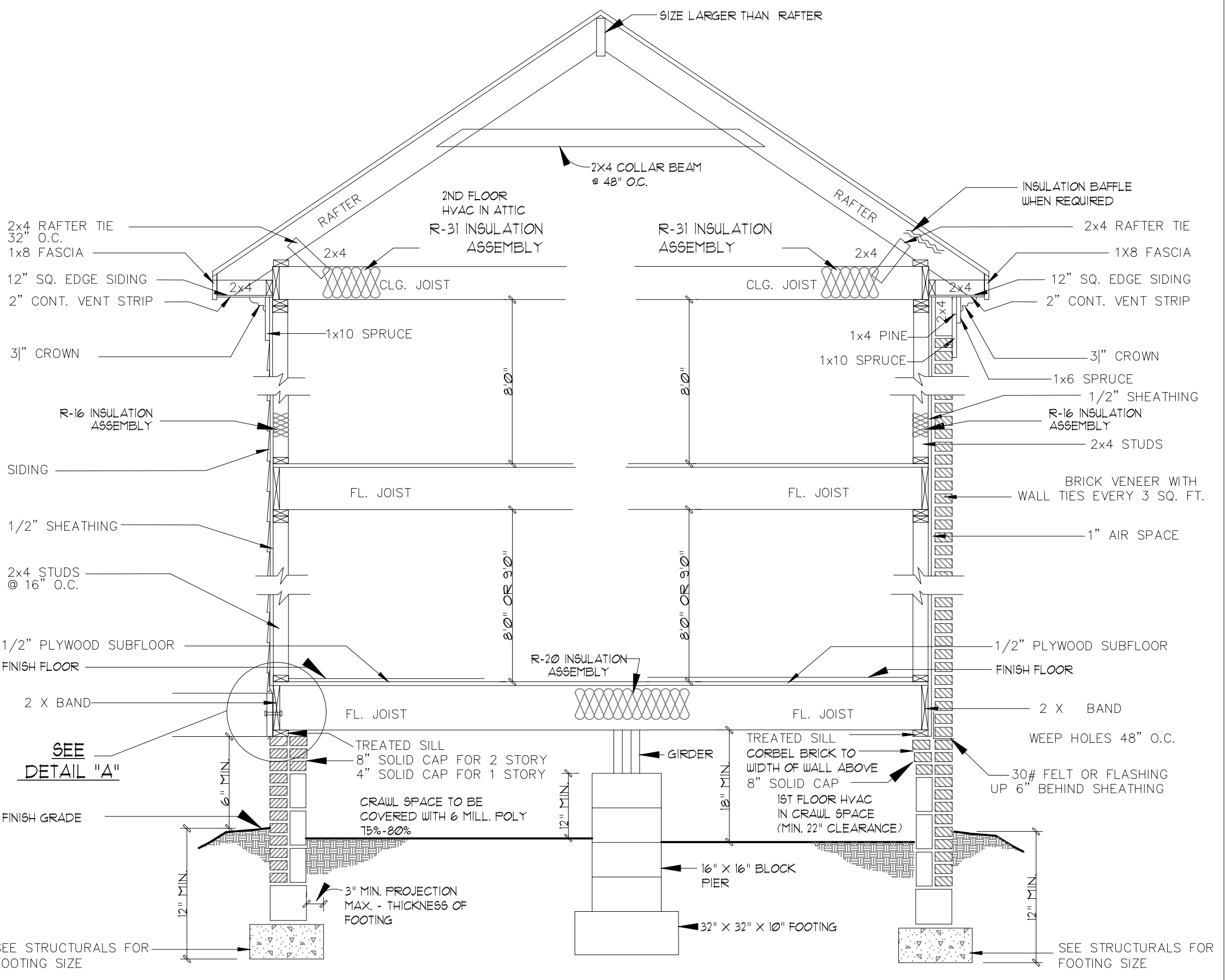


ELEVATION NOTES
BUILDING CODES:
 THIS PLAN HAS BEEN DESIGNED UNDER THE NC BUILDING CODES, 2015 RESIDENTIAL EDITION.
ICE GUARDS:
 ICE GUARD WATER SHIELD REQUIRED ON ALL ROOF SLOPES 4:12 & LESS PER NCRBC

WEEP SCREEP DETAIL
 SCALE: NTS

ITEM	LETTER	REQUIREMENT
FOOTING:		
THICKNESS	A	12" MINIMUM
PROJECTION PASSED CHIMNEY	A	12" MINIMUM ALL SIDES
MORTAR:		
FIREBRICK		REFRACTORY
FLUE LINING		TYPE M, S, N OR REFRACTORY
MASONRY OTHER THAN ABOVE		TYPE M, S OR N
MASONRY SUPPORT (LINTELS):		
		MASONRY, CONCRETE OR STEEL (3 1/2" X 3 1/2" X 5/16" MIN.)
ASH DUMP		
		NOT REQUIRED, HOWEVER WHEN USED MUST BE FIREPROOF AND MINIMUM 5" DIAMETER DOOR
CLEARANCES:		
WOOD FRAMING	B	1" CHIMNEY MASONRY (EXCEPTION: MASONRY CHIMNEYS COMPLETELY ON THE EXTERIOR OF A BUILDING AGAINST THE SHEATHING ARE NOT REQUIRED TO COMPLY WITH THESE PROVISIONS.)
	C	2" FIREPLACE MASONRY EXCLUDING FACING MATERIAL
	D	4" AT BACK OF FIREPLACE MASONRY
COMBUSTIBLE MATERIAL	E	6" FROM EDGES OF FIREPLACE OPENING EXCEPT MATERIAL ABOVE FIREPLACE OPENING PROJECTING MORE THAN 1/2" FROM THE FACE OF THE FIREPLACE SHALL BE A MINIMUM OF 12" ABOVE FIREPLACE OPENING
ABOVE ROOF		2' ABOVE HIGHEST POINT OR 2' HIGHER THAN ANY PORTION OF BUILDING WITHIN 10'
HEARTH EXTENSION:		
F/P OPENING 6 SQ. FT.	F	8" EACH SIDE OF OPENING, 16" IN FRONT OF FACING MATERIAL
F/P OPENING 6 SQ. FT. OR	F	12" EACH SIDE OF OPENING, 20" IN FRONT OF FACING MATERIAL
THICKNESS OF FIREBOX WALLS:		
	G	BACK 4 SIDE WALLS 6" SOLID MASONRY OR REINFORCED CONCRETE WITH MINIMUM 2" THICKNESS FIREBRICK OR REFRACTORY MATERIAL (EXCEPTION: 12" SOLID MASONRY WALLS REQUIRE NO LINING)
FIREBOX DEPTH:		
	H	16" FROM FACE OF FIREPLACE
FLUE REQUIREMENTS:		
WALLS AROUND FLUE	I	FLUE SHALL BE ENCASED IN NOT LESS THAN 4" OF SOLID MASONRY.
DISTANCES BETWEEN ADJACENT FLUES		TWO FLUES ADJOINING EACH OTHER SHALL HAVE JOINTS STAGGERED 1" MORE THAN 2 FLUES IN SAME CHIMNEY REQUIRE 4" W/ THE SEPARATION SO THAT NO MORE THAN TWO FLUES ADJOIN WITHOUT A W/ THE SEPARATION
TYPE OF MORTAR		TYPE M, S, N OR REFRACTORY MORTAR WITH CLOSE FITTING JOINTS LEFT SMOOTH ON THE INSIDE
THICKNESS		3/8" MINIMUM WITH VARIATION OF 1/8" IN WALLS
EFFECTIVE FLUE AREA (SEE TABLES 16A & 16B)		RECTANGULAR 1/10 OF FIREPLACE OPENING, ROUND 1/2 OF FIREPLACE OPENING
SLOPE	J	MAXIMUM 30 DEGREES FROM VERTICAL WITH MITERED JOINTS

THE NET FREE AREA OF SQUARE OR RECTANGULAR FLUES AS LISTED IN TABLE 16A SHALL NOT BE LESS THAN 1/10 THE FACE AREA OF THE FIREPLACE OPENING. THE NET FREE AREA OF ROUND FLUES AS LISTED IN TABLE 16B SHALL NOT BE LESS THAN 1/2 THE FACE AREA OF THE FIREPLACE OPENING. THE COMBINED AREAS OF ALL FACES SHALL BE USED.



SIDING SECTION
 SCALE: 1/2" = 1'-0"

BRICK SECTION
 SCALE: 1/2" = 1'-0"

ATTIC ACCESS:
 ATTIC SPACES SHALL BE PROVIDED WITH AN INTERIOR ACCESS OPENING NOT LESS THAN 21" X 30". ACCESS OPENING SHALL BE READILY ACCESSIBLE AND PROVIDED WITH A LID OR DEVICE THAT MAY BE EASILY REMOVED OR OPERATED. WHEN MECHANICAL EQUIPMENT IS TO BE INSTALLED IN THE ATTIC, ONLY INTERIOR ACCESS IS TO BE PROVIDED. THE ACCESS OPENING SHALL BE NOT LESS THAN SPECIFIED ABOVE, BUT IN NO CASE LESS THAN THE SIZE REQUIRED TO INSTALL OR REMOVE THE LARGEST MAJOR COMPONENT OF THE UNIT WITHOUT DISASSEMBLY.

EXCEPTION: CONCEALED AREAS NOT LOCATED OVER THE MAIN STRUCTURE INCLUDING PORCHES, KNEEWALLS LESS THAN 5' IN HEIGHT, DORMERS, BAY WINDOWS, ETC. ARE NOT REQUIRED TO HAVE ACCESS.

CRAWL SPACE ACCESS: - MINIMUM SIZE IS 36" X 22"

SAFETY GLAZING:
 ALL SAFETY GLAZING MATERIALS MUST BE PERMANENTLY LABELED TO INDICATE IT CONFORMS TO ANSI Z97.1. LAMINATED GLASS MAY BE PERMANENTLY LABELED OR ACCOMPANIED BY A CERTIFICATE CERTIFYING CONFORMANCE TO ANSI Z97.1.

- SAFETY GLAZING MATERIAL MUST BE USED FOR THE FOLLOWING SPECIFIED HAZARDOUS LOCATIONS:
1. ALL BATHUB DOORS AND ENCLOSURES
 2. ALL SHOWER DOORS AND ENCLOSURES
 3. ALL STORM DOORS OR COMBINATION DOORS
 4. ALL SLIDING GLASS DOORS (PATIO TYPE)
 5. ALL SWINGING EXIT AND ENTRANCE DOORS BOTH FRAMED AND UNFRAMED
 6. ALL GLAZING IN FIXED PANELS HAVING A GLAZED AREA IN EXCESS OF 9 SQ. FT. WITH LOWEST EDGE LESS THAN 18" ABOVE THE FINISHED FLOOR LEVEL, SIDEWALKS, PATIOS OR DESIGNATED WALKING SURFACE ON EITHER SIDE WITHIN 36" OF SUCH GLAZING (INCLUDES GLAZED PANELS IN MULTI-STORY STRUCTURES).

CRICKETS AND SADDLES:
 CRICKETS OR CHIMNEY SADDLES SHALL BE INSTALLED ON THE UPPER SIDE OF ALL CHIMNEYS GREATER THAN 30" WIDE WHICH RUN PARALLEL TO BUT DO NOT INTERSECT THE RIDGEL. THEY SHALL BE COVERED AND FLASHED SO AS NOT TO LEAK.

STAIR WIDTH:
 INTERIOR 2'-8" CLEAR OF HANDRAIL
 EXTERIOR 3'-0" MINIMUM WIDTH

HANDRAIL AND GUARDRAIL:
 HEIGHT FOR STEPS 30" MINIMUM
 HEIGHT FOR ALL OTHER RAILS 36" MINIMUM

NOTE:
 EVERY PORCH, DECK, TERRACE, RAISED PORCH SURFACE OR ENTRANCE PLATFORM WITH A HEIGHT ABOVE FINISHED GRADE OR SURFACE OF 2'-6" TO 6'-0" SHALL HAVE GUARDRAILS. GUARDRAILS SHALL BE PROVIDED FOR STAIRS, RAMPS AND LANDING THAT ARE LOCATED MORE THAN 30" TO THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 36" PER R312.11. HANDRAILS SHALL NOT PROJECT MORE THAN 4-1/2" ON EITHER SIDE OF STAIRWAYS PER R312.12. STAIRWAYS SHALL BE NOT LESS THAN 36" IN CLEAR WIDTH AT ALL POINT ABOVE THE PERMITTED HANDRAIL PER R312.11. RISER HEIGHT SHALL NOT BE MORE THAN 7-3/4" OPEN RISERS OPENING MORE THAN 30" TO THE FLOOR OR GRADE SHALL NOT PERMIT PASSAGE OF 4" SPHERE PER R312.12. TOP OF THE GUARD SHALL NOT BE MIN. OF 34" AND NOT MORE THAN 38" PER R312.12. THE TREAD DEPTH SHALL NOT BE LESS THAN 10" PER R312.12. WHEN THE PORCH, DECK, TERRACE, RAISED PORCH SURFACE OR ENTRANCE PLATFORM IS AT A HEIGHT GREATER THAN 6'-0" ABOVE FINISHED GRADE OR SURFACE, THE GUARDRAILS SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL PATTERNS SUCH AS 4-3/8" SPHERE CANNOT PASS THROUGH ANY OPENING IN ACCORDANCE TO R312.13 AND 4" RAILS AT MIN. 34" HEIGHT REQUIRED IN ACCORDANCE WITH R312.13. TOP RAIL AND POST TO SUPPORT 200 LBS WITH INFILL TO MEET 50 LBS IN ACCORDANCE WITH TABLE R302.5. HEIGHT BETWEEN 34"-38" IN ACCORDANCE WITH R312.13. 8-1/4" MAX RISER & R312.13 MIN TREAD DEPTH STAIRWAYS MIN. 36" PER R312.11. DEPTH STAIRWAYS MIN 36" WIDTH PER R312.11.

FOOTINGS: SEE FOUNDATION PLAN ENGINEER FOOTING

MAXIMUM UNSUPPORTED PIER HEIGHTS:

	HOLLOW MASONRY	SOLID MASONRY
8" X 16"	32"	80"
16" X 16"	64"	13'-4"

CRAWL SPACE DEBRIS:
 CRAWL SPACE GROUND SHALL BE FREE OF ALL DEBRIS, SOIL, TREE STUMPS AND OTHER ORGANIC MATERIAL AND PROVIDE A SMOOTH SURFACE FREE OF ROCKETS. WHERE SOIL CONDITIONS EXIST WHICH IMPEDE WATER ABSORPTION OR NATURAL DRAINAGE, A POSITIVE DRAIN SHALL BE PROVIDED.

- FOOTNOTES:**
- (1) LONG LEG OF THE ANGLE SHALL BE PLACED IN A VERTICAL POSITION.
 - (2) SPANS OVER 4' SHALL BE SHORED UP UNTIL CURED.
 - (3) SPANS OVER 10'-0" SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.

MAXIMUM PROJECTION FOR FLOOR JOIST IS" EXCEPT WHERE STRUCTURAL SYSTEM SUPPORTS ONLY THE FLOOR & ROOF LOAD OF BAY WINDOW (SEE SKETCH APPENDIX "C" VOL. 1B N.C. UNIFORM RESIDENTIAL BUILDING CODE) OR WHEN DESIGNED BY PROFESSIONAL.

COLLAR BEAM (2" X 4" MIN.) SHALL BE INSTALLED ON AT LEAST EACH THIRD PAIR OF RAFTERS AND SHALL BE DOUBLE NAILED.

MASONRY VENEER SHALL NOT EXCEED 35" IN HEIGHT ABOVE FOUNDATION AND SHALL BE ANCHORED BY CORROSION RESISTANT METAL TIES SPACED NO MORE THAN 16" VERTICALLY AND 32" HORIZONTALLY.

CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL STRUCTURAL COMPONENTS, INFORMATION AND SPECIFICATION BEFORE COMMENCEMENT OF CONSTRUCTION, TO BE PROVIDED BY ENGINEER.