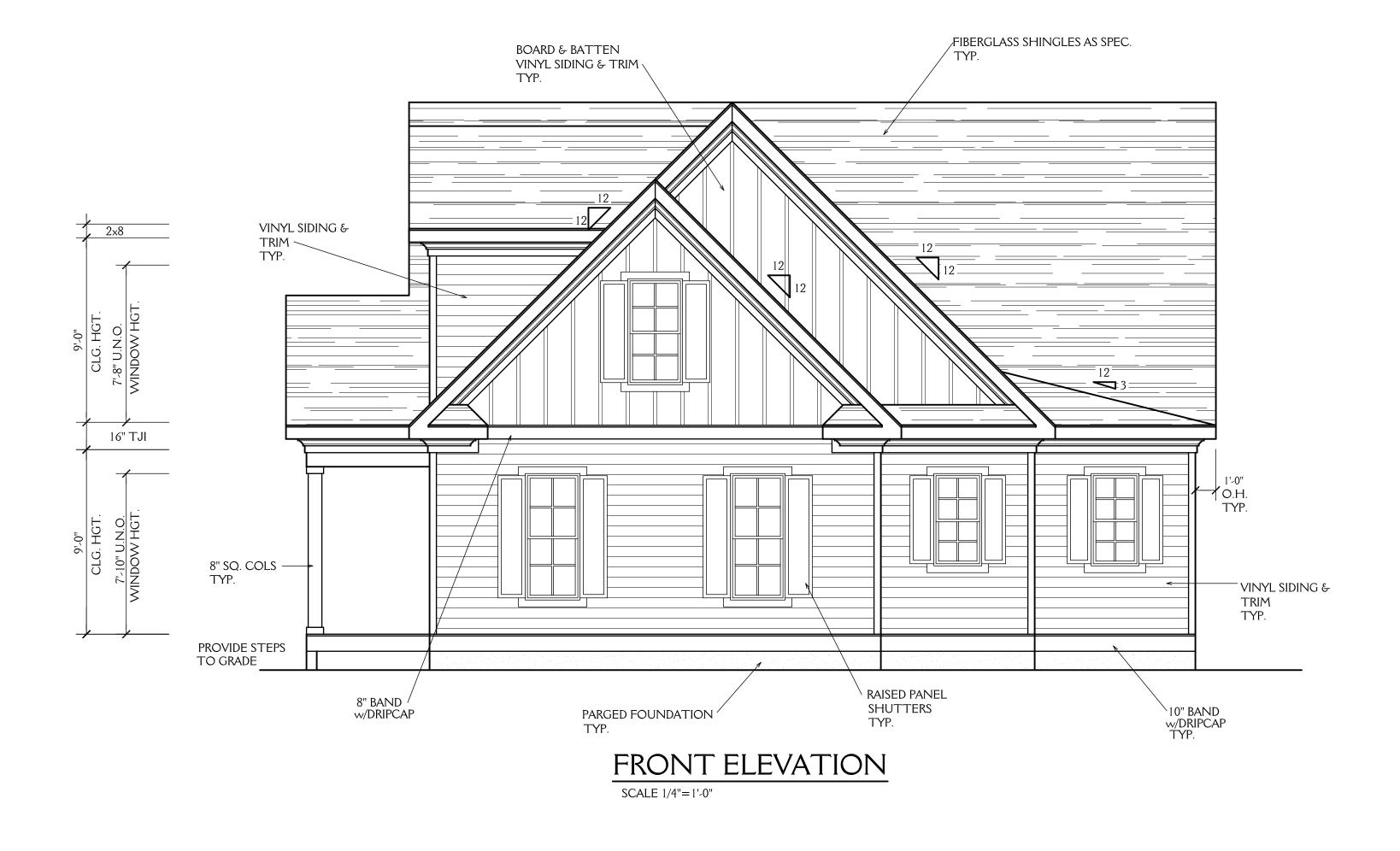
ALL DIMENSIONS ARE TO BE VERIFIED BY OWNER/BUILDER
BEFORE CONSTRUCTION BEGINS. ONCE CONSTRUCTION HAS BEGUN,
DESIGNER IS RELEASED FROM ANY AND ALL LIABILITY ASSOCIATED
WITH THE CONSTRUCTION OF THIS CUSTOM RESIDENCE.
THIS PLAN IS DESIGNED UNDER THE 2018 NORTH CAROLINA
RESIDENTIAL CODE

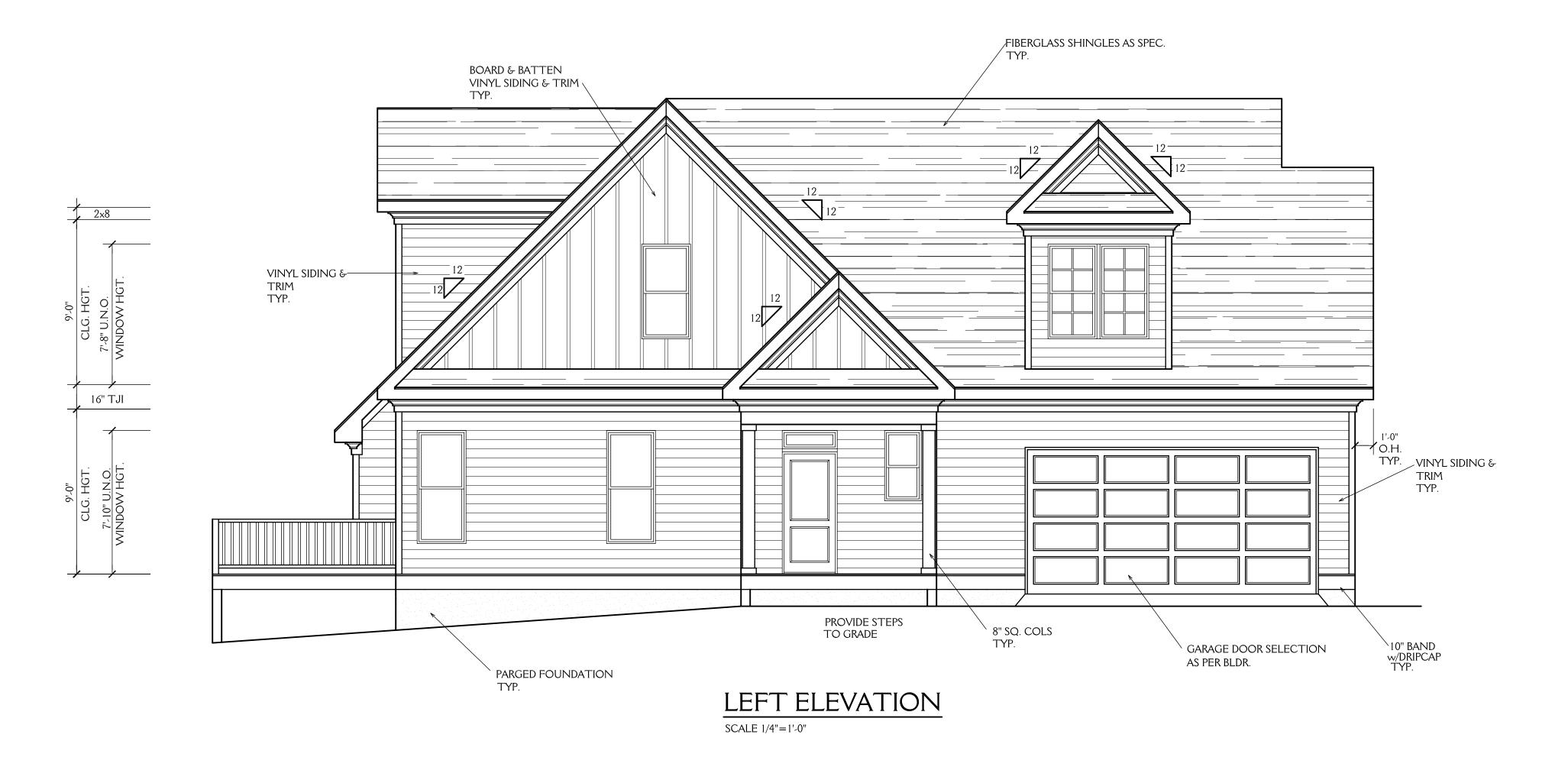


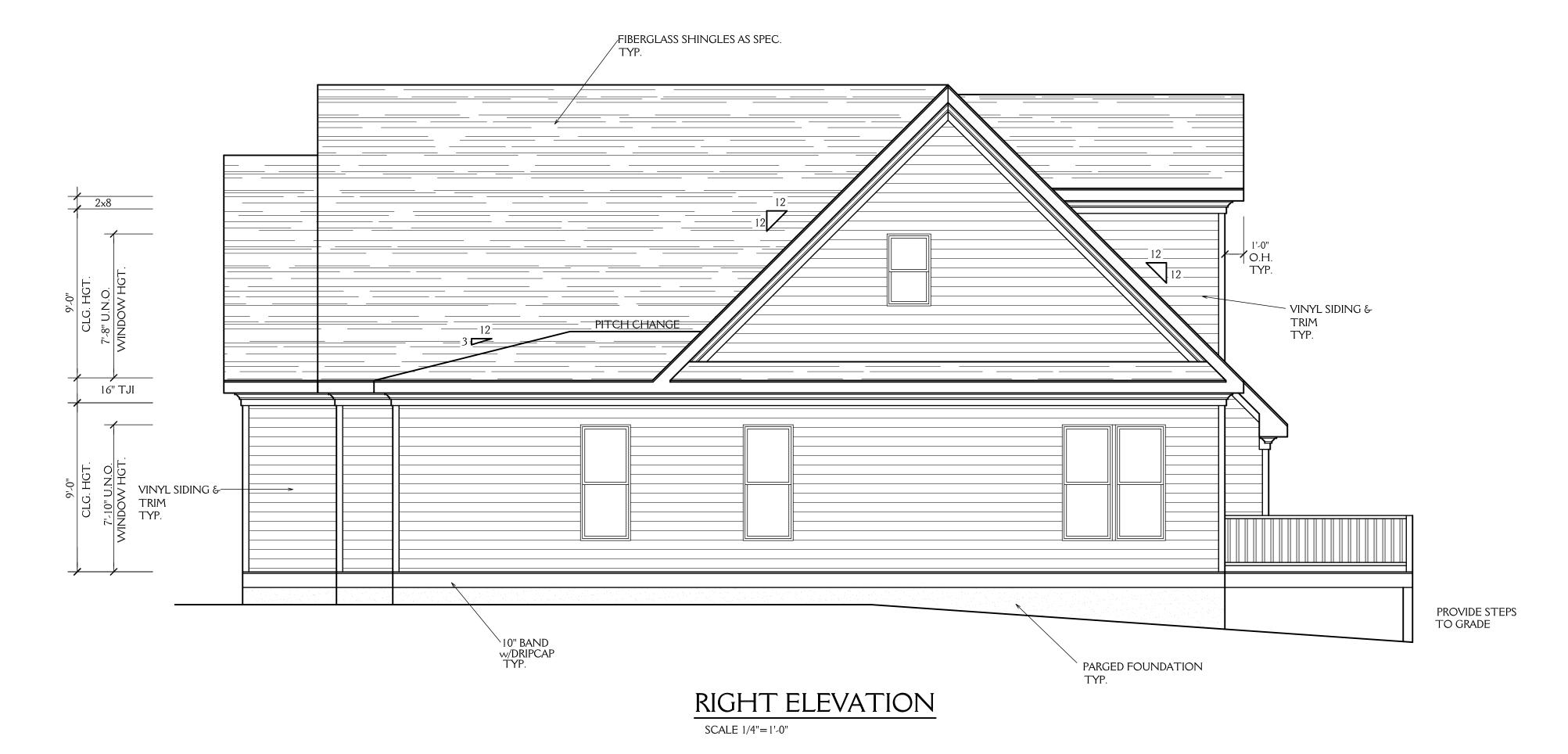




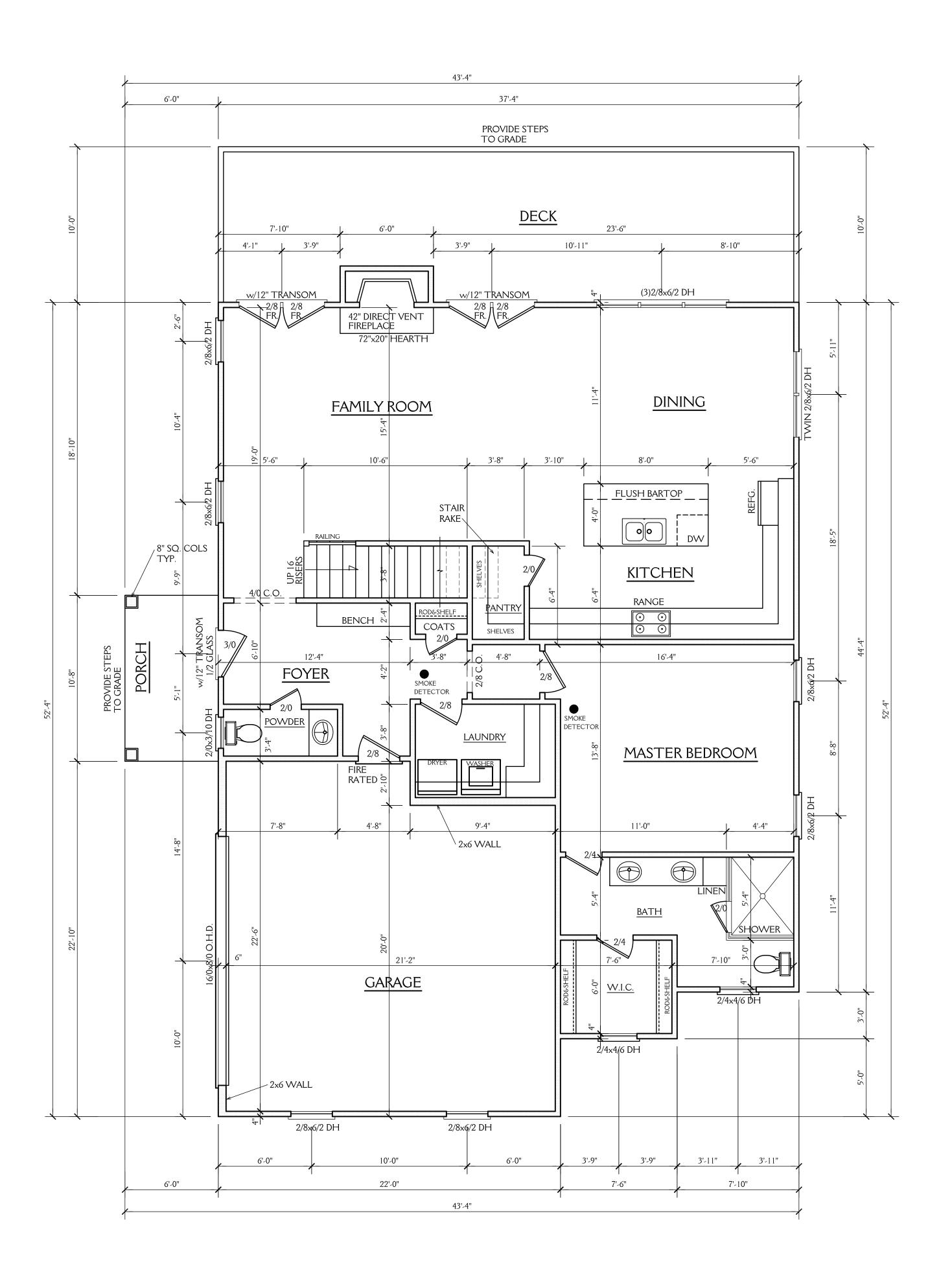
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RESIDENTIAL CODE











ALL DIMENSIONS ARE TO BE VERIFIED BY OWNER/BUILDER BEFORE CONSTRUCTION BEGINS. ONCE CONSTRUCTION HAS BEGUN, DESIGNER IS RELEASED FROM ANY AND ALL LIABILITY ASSOCIATED WITH THE CONSTRUCTION OF THIS CUSTOM RESIDENCE. THIS PLAN IS DESIGNED UNDER THE 2018 NORTH CAROLINA RESIDENTIAL CODE

NOTES:

CONSTRUCTION TO MEET OR EXCEED ALL REQUIREMENTS OF THE 2018 NC RESIDENTIAL BUILDING CODE

1. SEE SECTION R310 OF THE 2018 NC RESIDENTIAL BUILDING CODE FOR ALL

EMERGENCY ESCAPE & RESCUE OPENING

REQUIREMENTS. SEE SECTION R303 OF THE 2018 NC RESIDENTIAL BUILDING CODE FOR LIGHT & VENTILATION REQUIREMENTS.

SEE SECTION R310.1 & R311 OF THE 2018 NC RESIDENTIAL BUILDING CODE EGRESS REQUIREMENTS.

2. BUILDER & WINDOW SALESMAN TO CONFIRM THAT WINDOWS CHOSEN MEET ALL REQUIREMENTS

OF SECTION R310 OF THE 2018 NC RESIDENTIAL BUILDING CODE. 3. SEE SECTION R308.4 OF THE 2018 NC

RESIDENTIAL BLDG. CODE FOR GLAZING REQUIREMENTS IN HAZARDOUS LOCATIONS 4. PROVIDE FALL PROTECTION AT WINDOWS AS REQUIRED BY 2018 NC RESIDENTIAL BUILDING CODE

5. ALL GLASS TO HAVE A U FACTOR OF 0.32 OR BETTER

AND SHGC OF .30 OR BETTER. 6. SEE CHAPTER 11 OF THE 2018 NC RESIDENTIAL BUILDING CODE FOR ALL ENERGY CONSERVATION

REQUIREMENTS 7. SEE SECTION R302.5 & R302.6 OF THE 2018 NC RESIDENTIAL BLDG. CODE FOR DWELLING/

GARAGE FIRE SEPARATION REQUIREMENTS 8. SEE APPENDIX M OF THE 2018 NC RESIDENTIAL BUILDING CODE FOR ALL DECK CONSTRUCTION

REQUIREMENTS 9. PROVIDE CARBON MONOXIDE DETECTORS AS PER SECTION R315 OF THE 2018 NC RESIDENTIAL

BUILDING CODE 10. PROVIDE CRAWLSPACE ACCESS AS PER SECTION 408.8 OF THE 2018 NC RESIDENTIAL BUILDING CODE

LOCATION T.B.D. IN FIELD BY BUILDER. 11. PROVIDE FOUNDATION DRAINAGE AS PER CODE. SEE SECTIONS 405, 801.3 & 401.3 OF THE 2018 NC RESIDENTIAL BUILDING CODE.

12. SEE SECTION R311.7 OF THE 2018 NC RESIDENTIAL BUILDING CODE FOR ALL STAIRWAY REQUIREMENTS. SEE SECTION R312 OF THE 2018 NC RESIDENTIAL BUILDING CODE FOR ALL GUARD RAIL & HAND RAIL REQUIREMENTS.

13. SEE SECTION R307 OF THE 2018 NC RESIDENTIAL BUILDING CODE FOR ALL BATH FIXTURE CLEARANCES. 14. SEE CHAPTER 10 OF THE NC RESIDENTIAL BUILDING

CODE FOR ALL FIREPLACE & CHIMNEY CLEARANCES & REQUIREMENTS.

15. ALL ANGLES WALLS ARE 45° U.N.O.

ABBREVIATIONS

CANT.: CANTILEVER

OPENING
VASHER

LK IN CLOSET

CANT.: CENTILEVER

TYP.: TYPICAL

CLG.: CEILING

HGT.: HEIGHT C.O. : CASED OPENING D.W. : DISHWASHER W.I.C. : WALK IN CLOSET SHWR. : SHOWER COL.: COLUMN DN. : DOWN TRANS.: TRANSOM

1384 SQ FT HTD (1ST FLOOR) 897 SQ FT HTD (2ND FLOOR) 2281 SQ FT HTD TOTAL

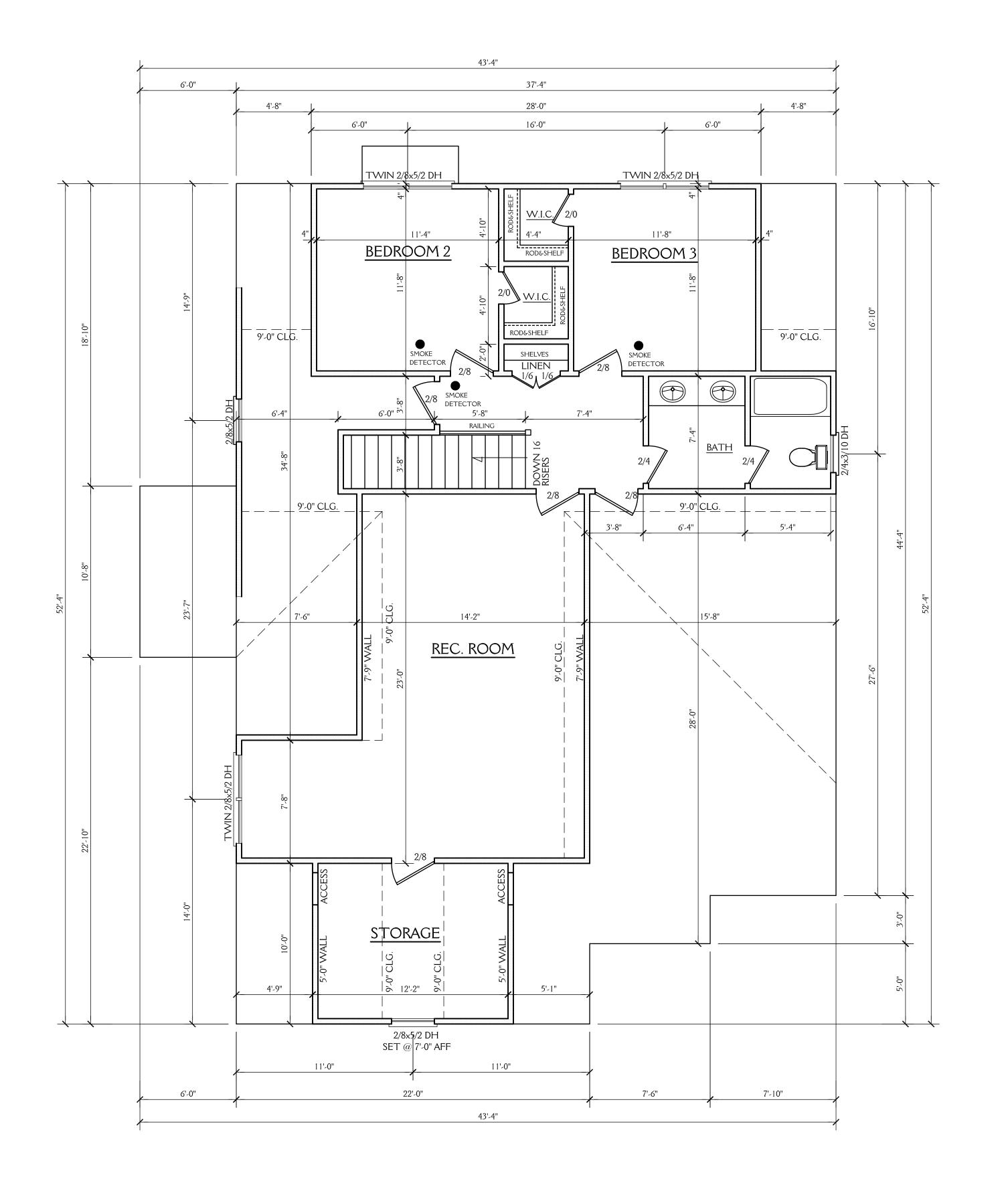
64 SQ FT (PORCH) 373 SQ FT (DECK) 125 SQ FT (STORAGE) 470 SQ FT (GARAGE) 1032 UNHEATED TOTAL

FIRST FLOOR PLAN

SCALE 1/4"=1'-0" 9'-0" CLG. HGT. SET WINDOWS AT 7'-10" AFF U.N.O.

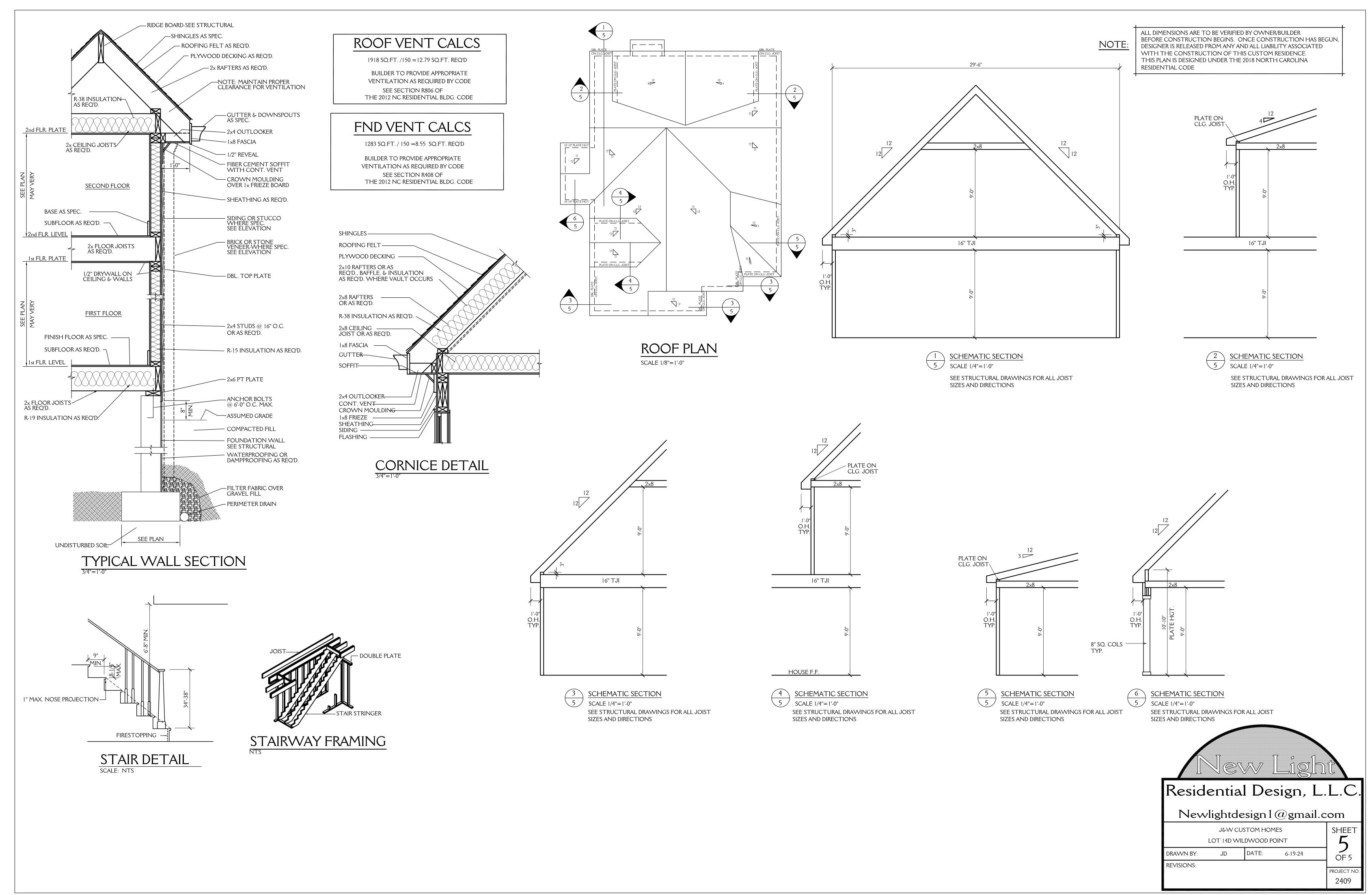


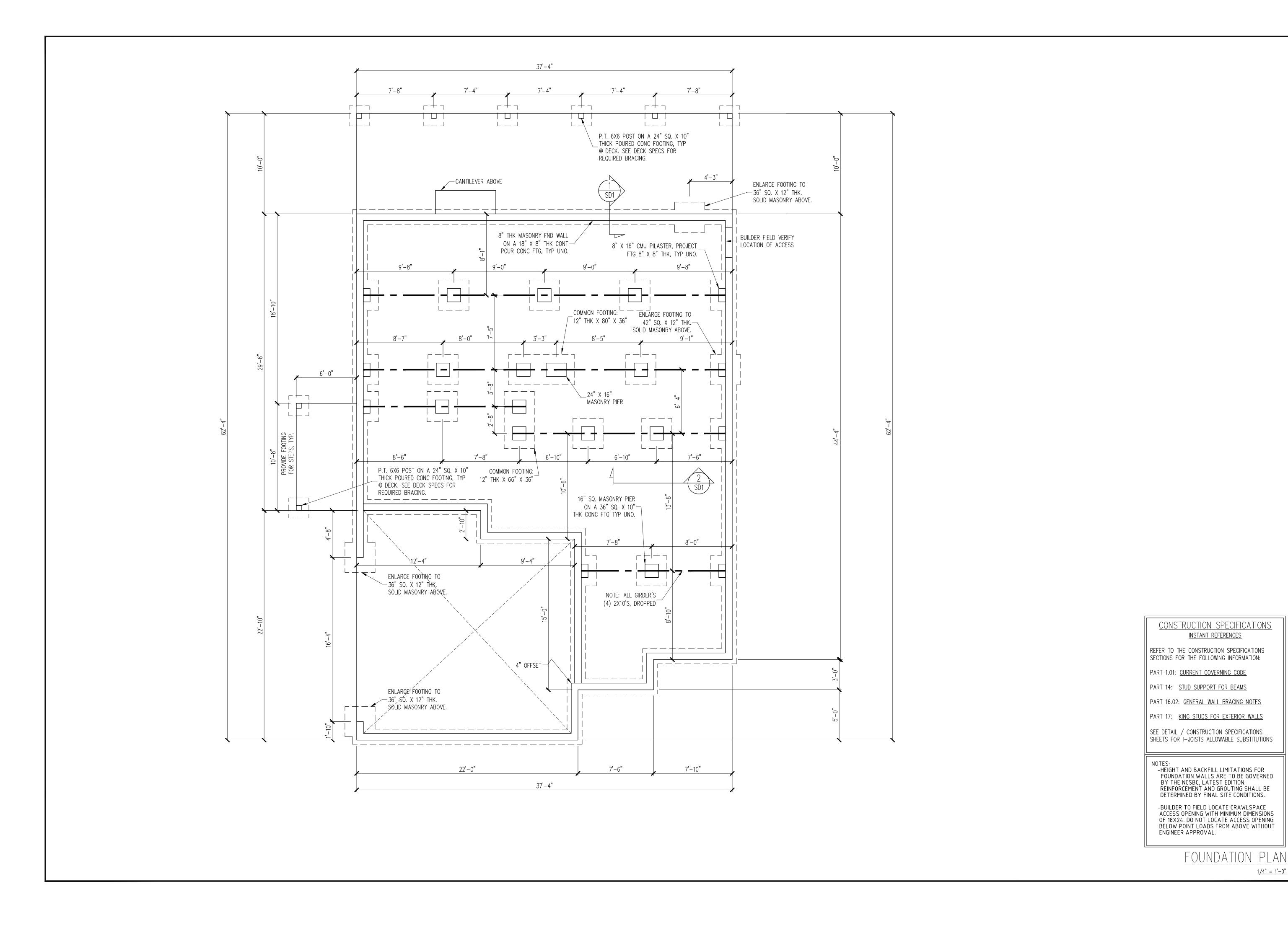
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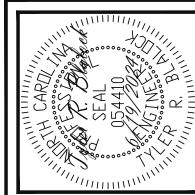








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STRUCTURAL ENGINEERS
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18 W Millbrook Rd. Unit 201
678h, North Carolina 27609
1.A. Phone (919) 844-1661

REF PROJ # DATE ASSOCIATES,

COPE STRUCTURAL ADDENDUM
LOC: 14d WILDWOOD POINT
REV # REF PROJ :

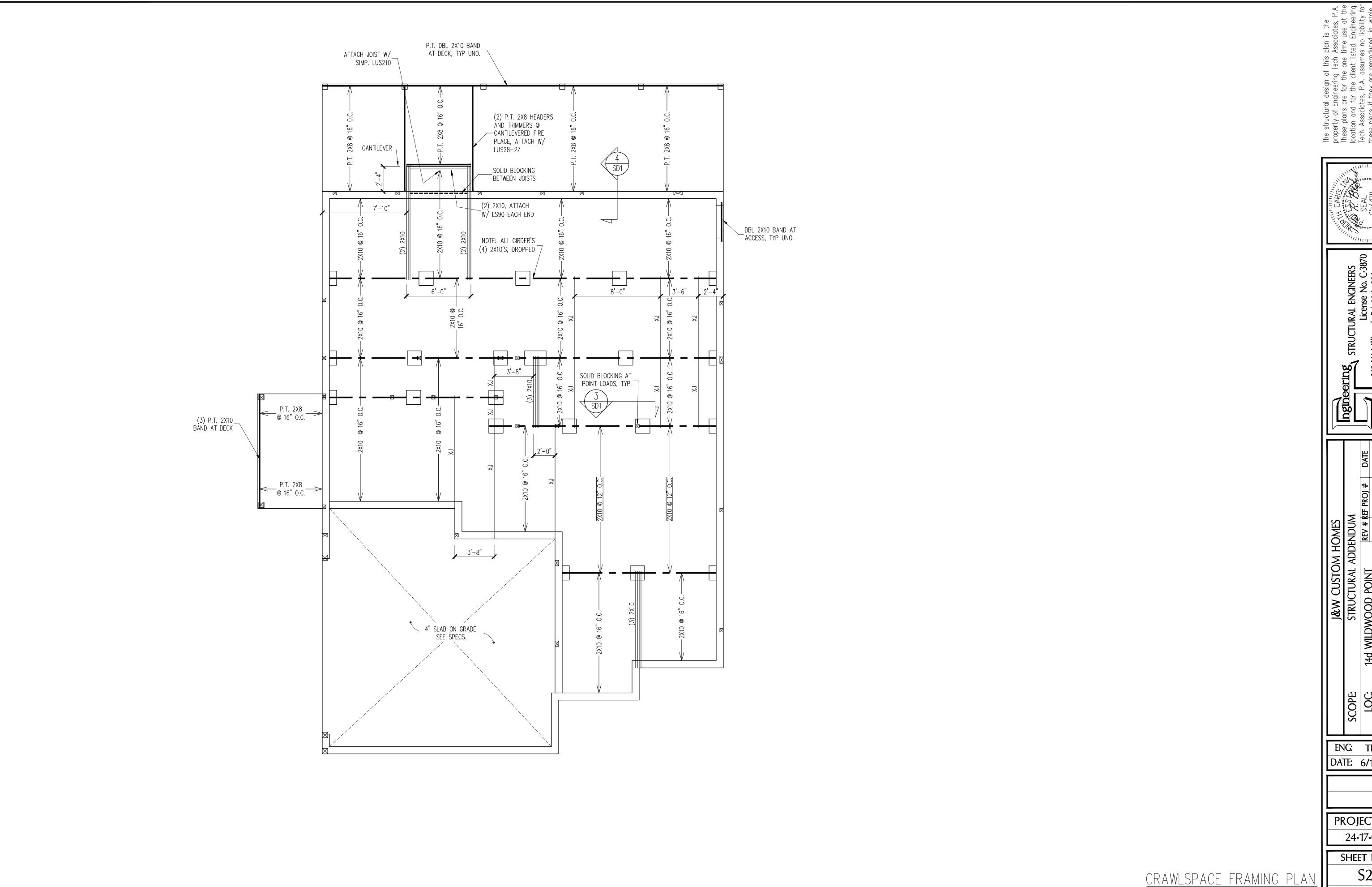
ENG: TRB/CR
DATE: 6/19/2024

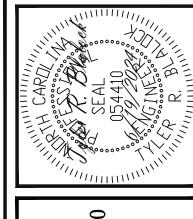
PROJECT NO. 24-17-006

SHEET NO.

of 7

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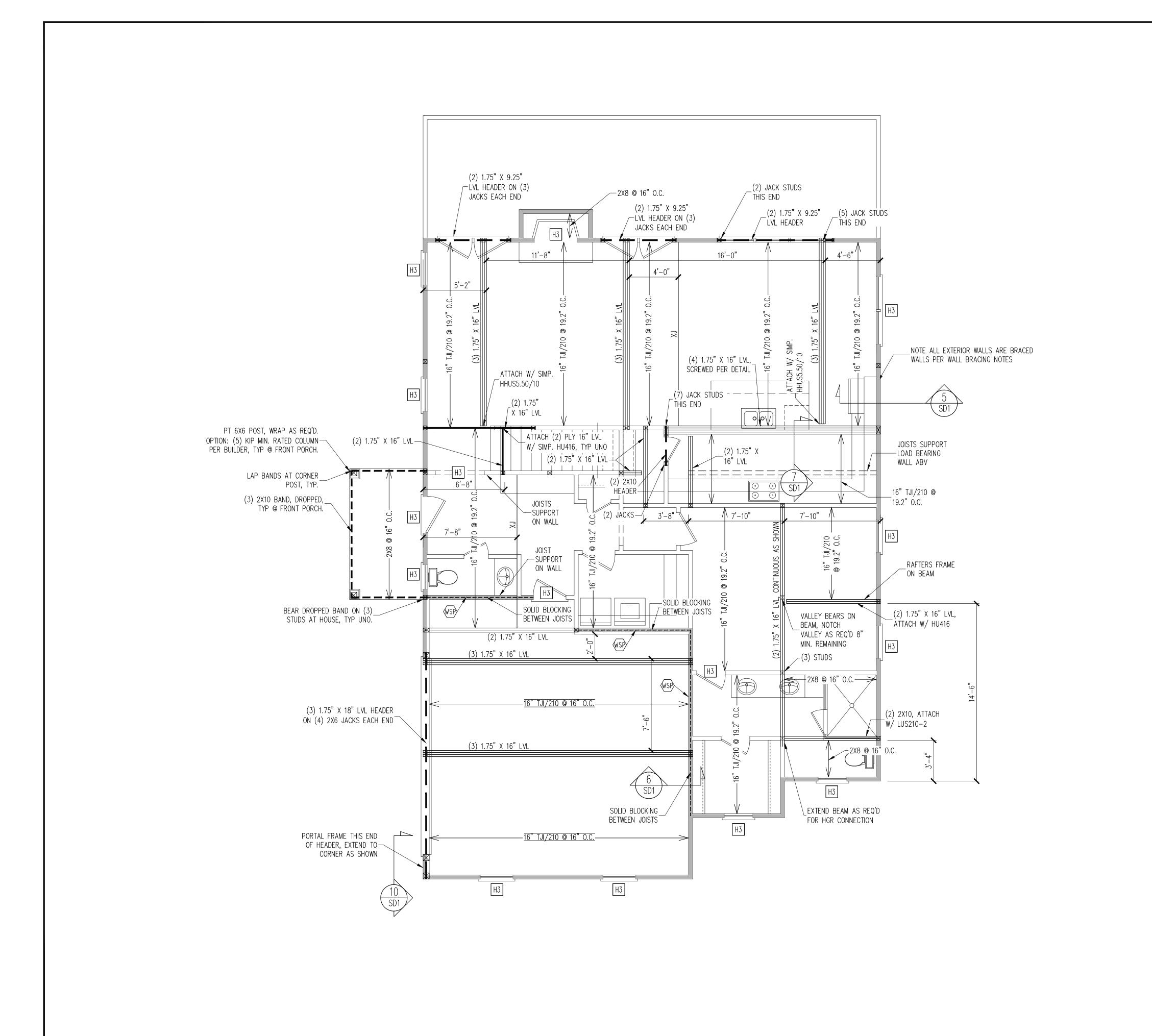


ENG: TRB/CR DATE: 6/19/2024

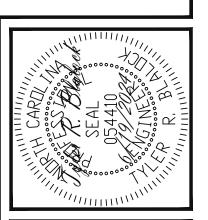
PROJECT NO. 24-17-006

SHEET NO.

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STRUCTU

Ingineering STRU
318 W Mille
ARGEGE, North

DATE

WSP — ONE SIDE OF INTERIOR WALL OR INSIDE OF EXTERIOR WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING. ATTACH WSP TO STUD WALL WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD.

WALL BRACING

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.

SHADED WALLS:

IN PANEL FIELD.

GB - INTERIOR BRACED WALL. 1/2" GB SECURED
PER TABLE R602.10.2 OF THE 2018 NCRBC.
(FASTENERS @ 7" O.C.) BOTH SIDES OF WALL,
OR (FASTENERS @ 4" O.C.) ONE SIDE OF
WALL AT STAIRS (BUILDER PERMITTED TO
SUBSTITUTE "WSP" FOR ANY "GB" WALL)

|| NOTES: || PROVIDED CONTINUOUS SHEATHING = 1

PROVIDED CONTINUOUS SHEATHING = 179' MIN.

REFERENCE PART 16 02 OF CONSTRUCTION

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.

TES: -HEADERS IN

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

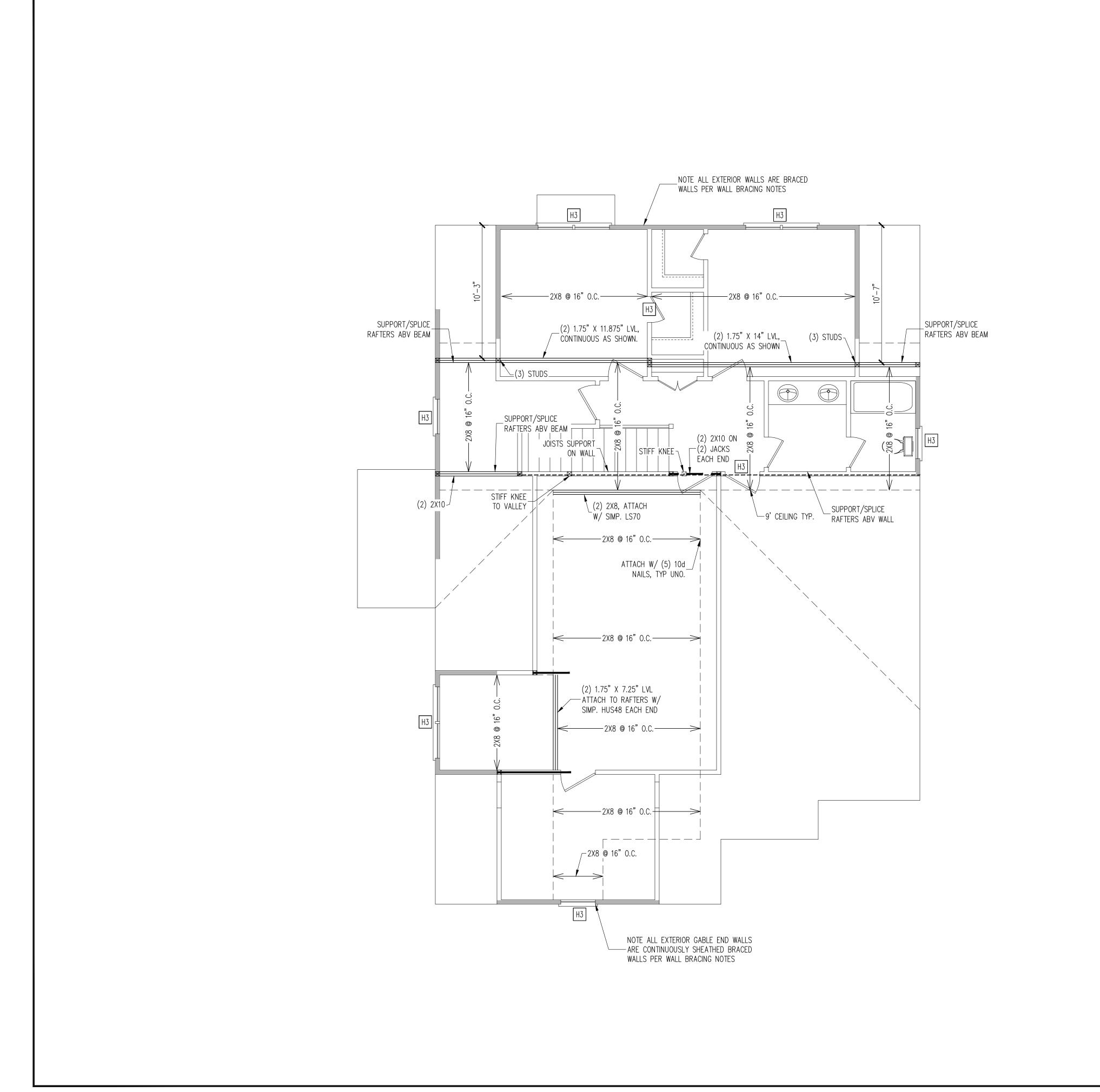
1ST FLOOR FRAMING PLAN
WALLS AND CEILING 1/4" = 1'-0"

ENG: TRB/CR DATE: 6/19/2024

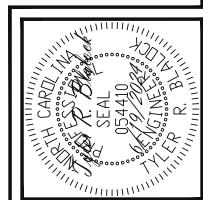
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P.A. Phone (919) 844-1661

DATE

DATE

L

3.18 W Millbrook

ASSOCIATES P.A. Phone (97)

AL ADDENDUM

AT REV # REF PROJ # DATE

NOTES:

PROVIDED CONTINUOUS SHEATHING = 75' MIN.

REFERENCE PART 16.02 OF CONSTRUCTION

HEADER SCHEDULE

SPECIFICATIONS FOR GENERAL WIND BRACING

WALL BRACING

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.

SHADED WALLS:

IN PANEL FIELD.

INFORMATION.

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.

ITES: —HEADERS IN

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

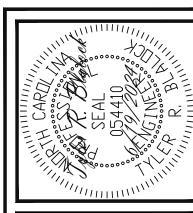
2ND FLOOR FRAMING PLAN
WALLS AND CEILING 1/4" = 1'-0"

ENG: TRB/CR DATE: 6/19/2024

PROJECT NO.

24-17-006 SHEET NO.

S4 4 of 7



ENG: TRB/CR DATE: 6/19/2024

PROJECT NO.

24-17-006 SHEET NO.

S5 5 of 7

ROOF FRAMING PLAN

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

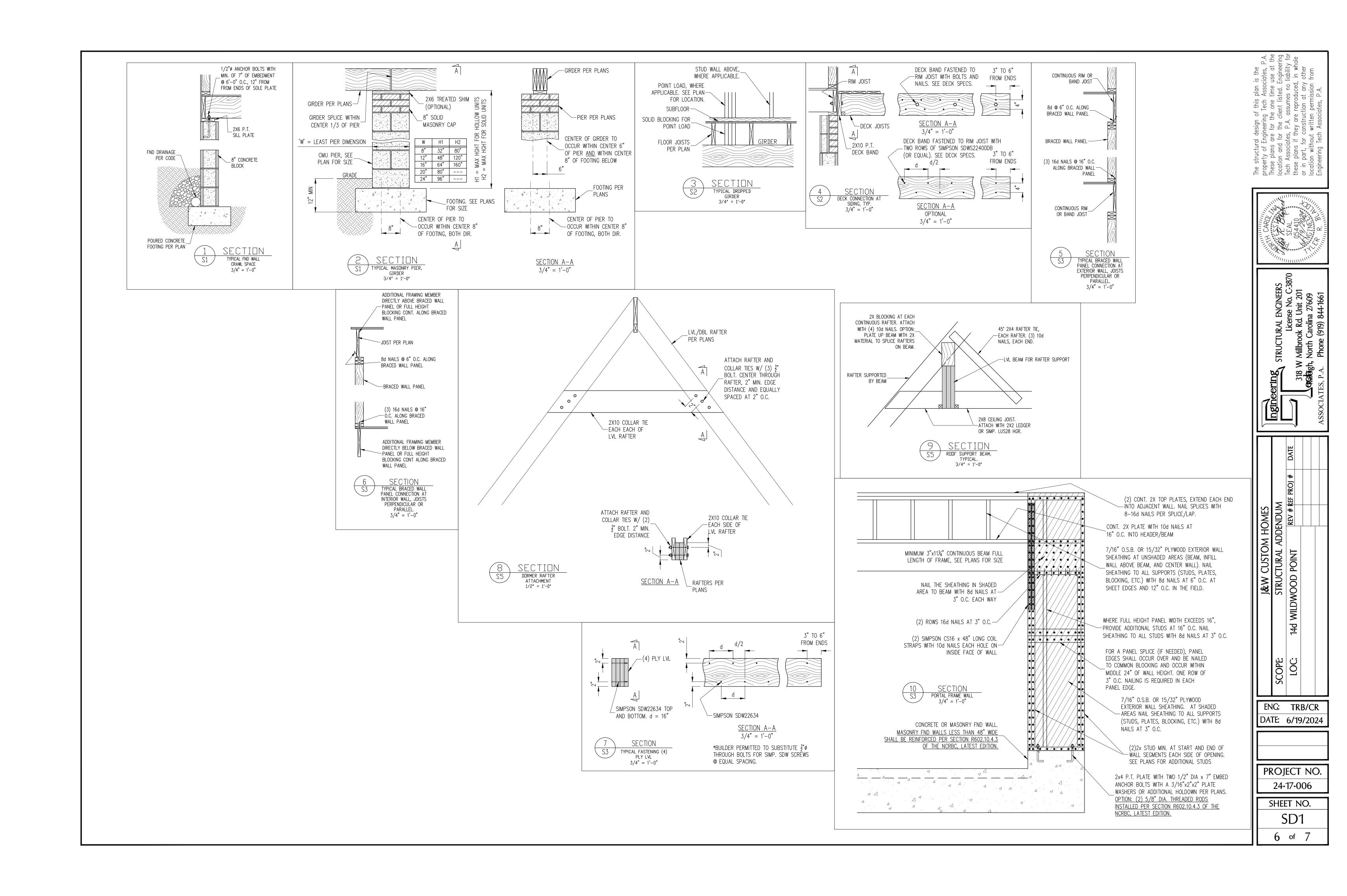
OV OVERFRAME VALLEY (2X10 SLEEPER)

SB SUPPORT/SPLICE RAFTERS ON BEAM BELOW

SS SUPPORT/SPLICE RAFTERS ON KNEEWALL BELOW

DR DOUBLE RAFTER

SK TRPL 2X4 STIFF KNEE



	CONSTRUCTION SPECIFICATIONS		DECK SPECIE
GARAGES (PASSENGER CARS ONLY) 50 —— ATTICS (NO STORAGE, LESS THAN 5' HEADROOM) 10 10 ATTICS (WITH STORAGE) 20 10 ROOF 20 10 (15 FOR VAULTS) NOTES: — INDIVIDUAL STAIR TREADS ARE TO BE DESIGNED FOR THE UNIFORMLY DISTRIBUTED LIVE LOAD OF 40 PSF OR A 300 LB. CONCENTRATED LOAD ACTING OVER AN AREA OF 4 SQ. WHICHEVER PRODUCES THE GREATER STRESS. — BUILDER TO VERIFY DEAD LOAD DOES NOT EXCEED 10 PSF WHEN HEAVY FLOOR OR ROOF FINISHES SUCH AS TILE OR SLATE ARE UTILIZED. NOTIFY ENGINEERING UNDER THESE CONDITIONS 2.02 INTERIOR WALLS: 5 PSF LATERAL. 2.03 BASIC WIND DESIGN VELOCITY OF 120 MPH. 2.04 SOIL BEARING CAPACITY 2000 PSF (PRESUMPTIVE). PART 3: STRUCTURAL STEEL 3.01 WIDE FLANGE BEAMS AND TEE SECTIONS SHALL CONFORM TO ASTM A992 MINIMUM GRADE 3.02 SQUARE AND RECTANGULAR TUBING SHALL CONFORM TO ASTM A500 GRADE B MINIMUM GRADE 3.03 STEEL PIPE SHALL CONFORM TO ASTM A53 GRADE B, TYPE S, MINIMUM GRADE 3.04 ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 MINIMUM GRADE 3.05 STRUCTURAL STEEL CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL	STEEL WASHERS (ASTM F844-07a) FOR THE NUT / BOLT HEAD WHEN BOLTING WOOD MEMBERS. HOLES FOR BOLTS SHALL BE AISC STANDARD HOLES UNO 8.02 LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1—1981. PILOT HOLES SHALL BE USED FOR LAG SCREW INSTALLATION AND SHALL BE BORED ACCORDING TO NDS SPECIFICATIONS. INSTALL STANDARD STEEL WASHERS (ASTM F844-07a) FOR SCREW HEAD 8.03 ANCHOR RODS AND BOLTS SHALL CONFORM TO ASTM F1554—15 GRADE 36 UNO. BENT ANCHOR BOLTS SHALL HAVE A 2" MIN HOOK UNO PART 9: DRIVEN FASTENERS. 9.01 NAILS, SPIKES AND STAPLES SHALL CONFORM TO ASTM F 1667— 05. NAILS ARE TO BE COMMON WIRE OR BOX PART 10: DIMENSIONAL LUMBER 10.01 SOLID SAWN WOOD FRAMING DESIGN IS BASED ON NO. 2 SPRUCE PINE FIR OR SYP #2 FOR JOISTS, RAFTERS, GIRDERS, BEAMS, STUDS, ETC. MINIMUM ALLOWABLE DESIGN PROPERTIES ARE AS FOLLOWS: E = 1,400,000 PSI, Fe perp = 425 PSI, Fv = 135 PSI, SPECIFIC GRAVITY = 0.42 MIN Fb = 875 PSI FOR 2X4, 2X6, 2X8. Fb = 800 PSI FOR 2X10'S, 750 PSI FOR 2X12'S PART 11: ENGINEERED LUMBER 11.01 LVL OR PSL MINIMUM ALLOWABLE DESIGN PROPERTIES ARE AS FOLLOWS: E = 1,900,000 PSI, Fb = 2600 PSI, Fv = 285 PSI, Fe perp = 750 PSI LSL MINIMUM ALLOWABLE DESIGN STRESSES ARE AS FOLLOWS: E = 1,3 X 1066 PSI, Fb = 1700 PSI, Fv = 400 PSI, Fe perp = 680 PSI 11.02 LVL OR PSL MEMBERS MAY BE RIPPED FROM DEEPER MEMBERS TO MATCH THE MEMBER DEPTH SPECIFIED IN THE PLANS. MAY SUBSTITUTE PSL AND LVL FOR EACH OTHER UNO PART 12: PRESSURE TREATED LUMBER 12.01 LUMBER IN CONTACT WITH THE GROUND, CONCRETE OR MASONRY SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA STANDARD C-15. ALL OTHER EXPOSED LUMBER SHALL BE TREATED IN ACCORDANCE WITH AWPA STANDARD C-2 OR BY ANY METHOD	-BRACED WALL PANELS SHALL BE FASTENED IN ACCORDANCE WITH TABLE 602.3(1) TO PROVIDE CONTINUOUS PANEL UPLIFT RESISTANCE AND COMPLIANCE WITH NCRBC R602.3.5 AND R802.11 UNLESS NOTED OTHERWISE ON STRUCTURAL PLANS. -MAY SUBSTITUTE WSP FOR GB -SINGLE JOIST, CONTINUOUS RIM JOIST, OR BLOCKING OF EQUAL DEPTH IS REQUIRED ABOVE AND BELOW ALL BRACED WALLS. NAIL BLOCKING ABOVE WALL TO TOP PLATE	DECK SPECIF 1. A DECK IS AN EXPOSED EXTERIOR WOOD FLOOR STRUCTURE WHICH MAY BE ATTACHED TO A STRUCTURE OR BE FREE STANDING, ROOFED PORCHES, OPEN OR SCREENED IN, MAY BE CONSTRUCTED USING THESE PROVISIONS. 2. SUPPORT POSTS SHALL BE SUPPORTED BY A FOOTING. 3. WHEN ATTACHED TO A STRUCTURE, THE STRUCTURE TO WHICH ATTACHED 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 OF THE STRUCTURE, THE DECK BAND AND THE STRUCTURE BAND SHALL BE CONSTRUCTED IN CONTACT WITH EACH OTHER EXCEPT AT BRICK VENEER AND WHERE PLYWOOD SHARTHING IS REQUIRED AND PROPERLY FLASHED. SIDING SHALL NOT BE INSTALLED BETWEEN THE STRUCTURE AND THE DECK BAND. IF ATTACHED TO A BRICK STRUCTURE, INSTANDATION OF THE BRICK STRUCTURE IS REQUIRED. IN ADDITION, THE TREATED DECK BAND FOR THE BRICK STRUCTURE IS REQUIRED. IN ADDITION, THE TREATED DECK BAND SHALL BE CONSTRUCTED IN CONTACT WITH THE BRICK 4. WHEN THE DECK IS SUPPORTED AT THE STRUCTURE BY ATTACHING THE DECK TO THE STRUCTURE, STRUCTURES EXCEPT BRICK STRUCTURES JOIST LENGTH UP TO 8' MAX. REQUIRED FASTENERS JOIST LENGTH UP TO 8' MAX. PUP TO 16' MAX. REQUIRED ONE— 5/8" & BOLT @ 28" O.C. ONE— 5/8" & BOLT @ 20" O.C. AND TWO ROWS OF SIMPSON SDWS22400DB @ d = 16" O.C. STAGGERED A. BRICK VENEER STRUCTURES JOIST LENGTH UP TO 8' MAX. PUP TO 16' MAX. REQUIRED FASTENERS ONE— 5/8" & BOLT @ 28" O.C. ONE— 5/8" & BOLT @ 16" O.C. FASTENERS ONE— 5/8" & BOLT @ 28" O.C. ONE— 5/8" & BOLT @ 16" O.C. FOUNDATION WALL, 5/8" & BOLT @ 28" O.C. ONE— 5/8" & BOLT @ 16" O.C. FOUNDATION WALL, 5/8" & BOLT S SPACED @ 48" O.C. MAY BE USED TO CONNECT DECK JOISTS TO A TREATED STRUCTURE BAND 7. GIROERS SHALL BEAR DIRECTLY ON POSTS OR BE BE CONNECTED TO THE SIDES OF POSTS WITH 2— 5/8" & BOLTS 8. FLOOR DECKING SHALL BE NO. 2 GRADE TREATED SOUTHERN PINE OR EQUIVALENT. THE
FOR BUILDINGS. PART 4: WELDING 4.01 WELDING ELECTRODES SHALL BE E70XX AND ALL WELDING SHALL BE PERFORMED BY AN AWS CERTIFIED WELDER PART 5: CONCRETE AND SLABS ON GRADE 5.01 CAST IN PLACE CONCRETE SHALL BE OF NORMAL WEIGHT, 4–6% AIR ENTRAINMENT, FOR EXTERIOR CONCRETE AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS TYP UNO. ALL ITEMS NOTED AS 'CONCRETE' ARE TO BE CAST IN PLACE, TYP UNO. 5.02 REINFORCED CAST IN PLACE CONCRETE SHALL BE PROPORTIONED, MIXED AND PLACED IN ACCORDANCE WITH THE SPECIFICATIONS OF ACI 318, LATEST EDITION. 5.03 SLABS ON GRADE, IF ANY, SHALL BE CAST IN PLACE, CONTAIN SYNTHETIC POLYPROPYLENE FIBRILLATED MICRO FIBERS, FIBER LENGTH 1 1/2", DOSAGE RATE 1 1/2 LBS/CU YD. SLAB TO BE PLACED ON A 6 MIL VAPOR BARRIER ON 4" MIN GRANULAR FILL ON SOIL WITH 90% MIN STANDARD PROCTOR DENSITY. VAPOR BARRIER MAY BE OMITTED FOR SLABS NOT IN ENCLOSED AREAS PART 6: REBAR AND WIRE REINFORCEMENT 6.01 REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615 GRADE 60 TYP UNO 6.02 LAP SPLICES SHALL BE CLASS B AS DEFINED BY ACI 318, TYP UNO. STAGGER ADJACENT SPLICES A MINIMUM OF ONE LAP LENGTH 6.03 WIRE REINFORCEMENT SHALL BE 9 GA AND SHALL CONFORM TO ASTM A1064. PART 7: MASONRY	GIVING EQUAL PROTECTION. THE BUILDING CODE OFFICE MAY ALSO APPROVE A NATURAL DECAY RESISTANT WOOD PER SECTION 19–6(A) PART 13: STEEL FLITCH PLATE BEAMS 13.01 FLITCH PLATE BEAMS SHALL CONSIST OF A CONTINUOUS STEEL PLATE BOLTED BETWEEN TWO PIECES OF CONTINUOUS LUMBER AS SIZED ON THE PLANS. BOLT PIECES TOGETHER USING 1/2" Ø BOLTS SPACED AT 16" O.C. STAGGERED TOP TO BOTTOM OF THE BEAM. MAINTAIN A 2" EDGE DISTANCE. PLACE TWO BOLTS, ONE ABOVE THE OTHER, 16" MAX FROM EACH END OF THE BEAM. TYP UNO PART 14: STUD SUPPORTS FOR BEAMS 14.01 STEEL, ENGINEERED LUMBER, AND FLITCH PLATE BEAMS BEARING ON A STUD WALL SHALL BEAR AS FOLLOWS: 1—WHEN THE BEAM IS PERPENDICULAR TO, OR SKEWED RELATIVE TO THE WALL, THE BEAM SHALL BEAR FULL WIDTH ON THE SUPPORTING WALL INDICATED AND SHALL BE SUPPORTED BY A MINIMUM OF THREE GANGED STUDS, OR A GANGED STUD COLUMN WITH A NUMBER OF STUDS SUCH THAT THE STUD COLUMN IS AT LEAST AS WIDE AS THE TIDE WIDTH OF THE BEAM BEING SUPPORTED, WHICHEVER IS GREATER, TYP UNO. FOR THE SKEWED CONDITION PARTICULAR CARE SHALL BE TAKEN TO ENSURE STUD COLUMN IS CENTERED ON THE BEAM 2—BEAMS BEARING ONTO THE END OF A STUD WALL PARALLEL TO THE BEAM SHALL BEAR A MINIMUM OF 4 1/2" ONTO THE WALL AND BE SUPPORTED BY A TRPL STUD GANGED COLUMN TYP UNO. 14.02 DIMENSIONAL LUMBER BEAMS BEARING ON A STUD WALL SHALL BEAR AS FOLLOWS: 1—WHEN THE BEAM IS PERPENDICULAR TO, OR SKEWED RELATIVE TO THE WALL. THE BEAM SHALL BEAR FULL WIDTH ON THE SUPPORTING WALL INDICATED (LESS 1 1/2" TO ALLOW FOR A CONTINUOUS RIM JOIST WHERE APPLICABLE) AND SHALL BE SUPPORTED BY A GANGED STUD COLUMN THE SAME WIDTH AS THE BEAM TYP UNO. (E.G. A TRIPLE 2X10 IS TO BE SUPPORTED BY (3) STUDS). FOR THE SKEWED CONDITION PARTICULAR CARE SHALL	BELOW WITH (3) 16d NAILS @ 16" O.C. BLOCKING AT HORIZONTAL JOINTS IN BRACED WALL LINES ONLY REQUIRED AT SHADED WALLS, UNO. PART 17: KING STUDS 17.01 KING STUDS FOR OPENINGS IN EXTERIOR WALLS SHALL BE AS FOLLOWS: NUMBER OF KING STUDS MAX OPENING WIDTH 5'-0" 9'-0" 13'-0" 17'-0" 21'-0" 2X4 1 2 3 4 5 STUD SIZE 2X6 1 1 2 2 2 2 2X8 1 1 1 1 2 PART 18: SUBSTITUTIONS 18.01 MATERIAL OR MEMBER SIZE SUBSTITUTIONS OR PLAN DEVIATIONS REQUIRE THE WRITTEN AUTHORIZATION OF THE DESIGNERS. UNAUTHORIZED DEVIATIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PART 19: OWNERSHIP OF STRUCTURAL DESIGN	8. PLOOR DECKING THICKNESS SHALL BE AS FOLLOWS:
THE BUILDER IS RESPONSIBLE FOR REVIEWING PLANS PRIOR TO CONSTRUCTION. THE BUILDER SHALL IMMEDIATELY CONTACT THE ENGINEER OF RECORD (EOR) BEFORE PROCEEDING IF THE FOLLOWING CONDITIONS ARE NOTED BEFORE OR DURING CONSTRUCTION: 1) THE WORKING PLANS DO NOT BEAR THE SEAL OF THE EOR 2) THE PLANS CONTAIN DISCREPANT OR INCOMPLETE INFORMATION ANY ERRORS DUE TO A FAILURE TO FOLLOW THE ABOVE PROCEDURES SHALL NOT BE THE RESPONSIBILITY OF THE EOR. FURTHERMORE, IT IS THE RESPONSIBILITY OF THE BUILDER TO ENSURE THAN ANY REVISIONS ISSUED BY THE EOR ARE PROMPLY DISTRIBUTED TO THE SUBCONTRACTORS THE EOR DOES NOT PERFORM FENESTRATION OR VENTING CALCULATIONS OR ANY OTHER CALCULATIONS THAT ARE NOT DIRECTLY RELATED TO STRUCTURAL ENGINEERING. ROOF AND FLOOR TRUSSES TO BE DESIGNED BY AN ENGINEER REGISTERED BY THE STATE. FINAL TRUSS DRAWING SHOULD BE SUBMITTED TO THE EOR FOR REVIEW	ABV ABOVE B. BOTH B.E. BOTH ENDS BTWN BETWEEN CIP CAST IN PLACE CONC CONCRETE CS CONTINUOUS SHEATHING DIA DIAMETER DJ DOUBLE DJ DOUBLE DJP DBL STUD POCKET EQ EQUAL EACH EACH FIG FLANGE FLUMBER SP SPACE (OR SPACING) FL LITCH PLATE FLR FLOOR ABV ABOVE BR HOR DOUDLATION FTG FOUNDATION FTG FOU	ALLOWABLE I – JOIST SUBSTITUTION NOTE: MAINTAIN JOIST DEPTH, DIRECTION, AND SPACING SPECIFIED ON PLANS. SIMPSON FACE SIMPSON TOP FLANCE HOR SUBJECTION SERIES MOUNT HOR FLANCE HOR FLANCE HOR SUBJECTIVE HOR FLANCE HOR SUBJECTIVE HOR FLANCE HOR SUBJECTIVE HOR FLANCE HOR HOR SUBJECTIVE HOR FLANCE HOR HOR HOR HOR FLANCE HOR	

DECK SPECIFICATIONS

10 AN EVENOUED EVERTICE WOOD FLOOD OTRUCTURE WHICH MAY BE ATTACHED TO			
IS AN EXPOSED EXTERIOR WOOD FLOOR STRUCTURE WHICH MAY BE ATTACHED TO TURE OR BE FREE STANDING. ROOFED PORCHES, OPEN OR SCREENED IN, MAY BE		JOIST SPAN	DECKING
CTED USING THESE PROVISIONS.		12" O.C.	1" S4S
T POSTS SHALL BE SUPPORTED BY A FOOTING.		16" O.C. 24" O.C.	1" T&G
		32" O.C.	1 1/4" S4S 2" S4S
TTACHED TO A STRUCTURE, THE STRUCTURE TO WHICH ATTACHED SHALL HAVE A			
O WOOD BAND FOR THE LENGTH OF THE DECK, OR CORROSION RESISTANT FLASHING	9. MA	XIMUM HEIGHT OF DECK SUPPORT POSTS	S IS AS FOLLOWS:
BE USED TO PREVENT MOISTURE FROM COMING IN CONTACT WITH THE UNTREATED		DOOT 0175	5005

POST SIZE	MAX POST HEIGH		
4X4 6X6 ENGINEERED	8' 20' 20' +		
	l.		

NOTES: 1) THIS TABLE IS BASED ON NO. 2 TREATED SOUTHERN PINE POSTS. 2) THIS TABLE IS BASED ON A MAXIMUM TRIBUTARY AREA OF 128 SQ. FT. 3) POST HEIGHT IS FROM TOP OF FOOTING TO BOTTOM OF GIRDER.

10. DECKS SHALL BE BRACED TO PROVIDE LATERAL STABILITY BY ONE OF THE FOLLOWING

THE ENDS TO THE GIRDER AND THE POST WITH ONE -5/8" ϕ BOLT

A. WHEN THE DECK FLOOR HEIGHT IS LESS THAN 4'-0" AND THE DECK IS ATTACHED TO

THE STRUCTURE IN ACCORDANCE WITH SECTION 4, LATERAL BRACING IS NOT REQUIRED. B. 4X4 WOOD KNEE BRACES MAY BE PROVIDED ON EACH COLUMN IN BOTH DIRECTIONS. THE KNEE BRACES SHALL ATTACH TO EACH POST AT A POINT NOT LESS THAN 1/3 OF THE POST LENGTH FROM THE TOP OF THE POST, AND THE BRACES SHALL BE ANGLED BETWEEN 45° AND 60° FROM THE HORIZONTAL. KNEE BRACES SHALL BE ATTACHED AT

C. FOR FREE STANDING DECKS WITHOUT KNEE BRACES OR DIAGONAL BRACING, LATERAL STABILITY MAY BE PROVIDED BY EMBEDDING THE POSTS IN CONCRETE IN ACCORDANCE WITH THE FOLLOWING:

POST SIZE	TRIBUT. AREA	POST HEIGHT	EMB. DEPTH	CONC. DIAM.
4X4	48 SQ. FT.	4'-0"	2'-6"	1'-0"
6X6	120 SQ. FT.	6'-0"	3'-6"	1'-8"

D. 2X6 DIAGONAL VERTICAL CROSS BRACING SHALL BE PROVIDED IN TWO PERPENDICULAR DIRECTIONS FOR FREE STANDING DECKS OR PARALLEL TO THE STRUCTURE AT THE EXTERIOR COLUMN LINE FOR ATTACHED DECKS. THE BRACES SHALL BE ATTACHED TO THE POSTS WITH ONE -5/8" \emptyset BOLT AT EACH END OF THE BRACE.

DIRECTLY ON POSTS OR BE BE CONNECTED TO THE SIDES OF POSTS NOTES: 1) ALL NAILS AND BOLTS ARE TO BE HOT DIPPED GALVANIZED. 2) MINIMUM EDGE DISTANCE FOR BOLTS IS 2 1/2". 3) NAILS MUST PENETRATE THE SUPPORTING STRUCTURE BAND A MINIMUM OF 1 1/2".

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