STONEFIELD-RALE

RALEIGH - LOT 00.0026 HONEYCUTT HILLS SF

(MODEL# 1635)

ELEVATION 1 - GL



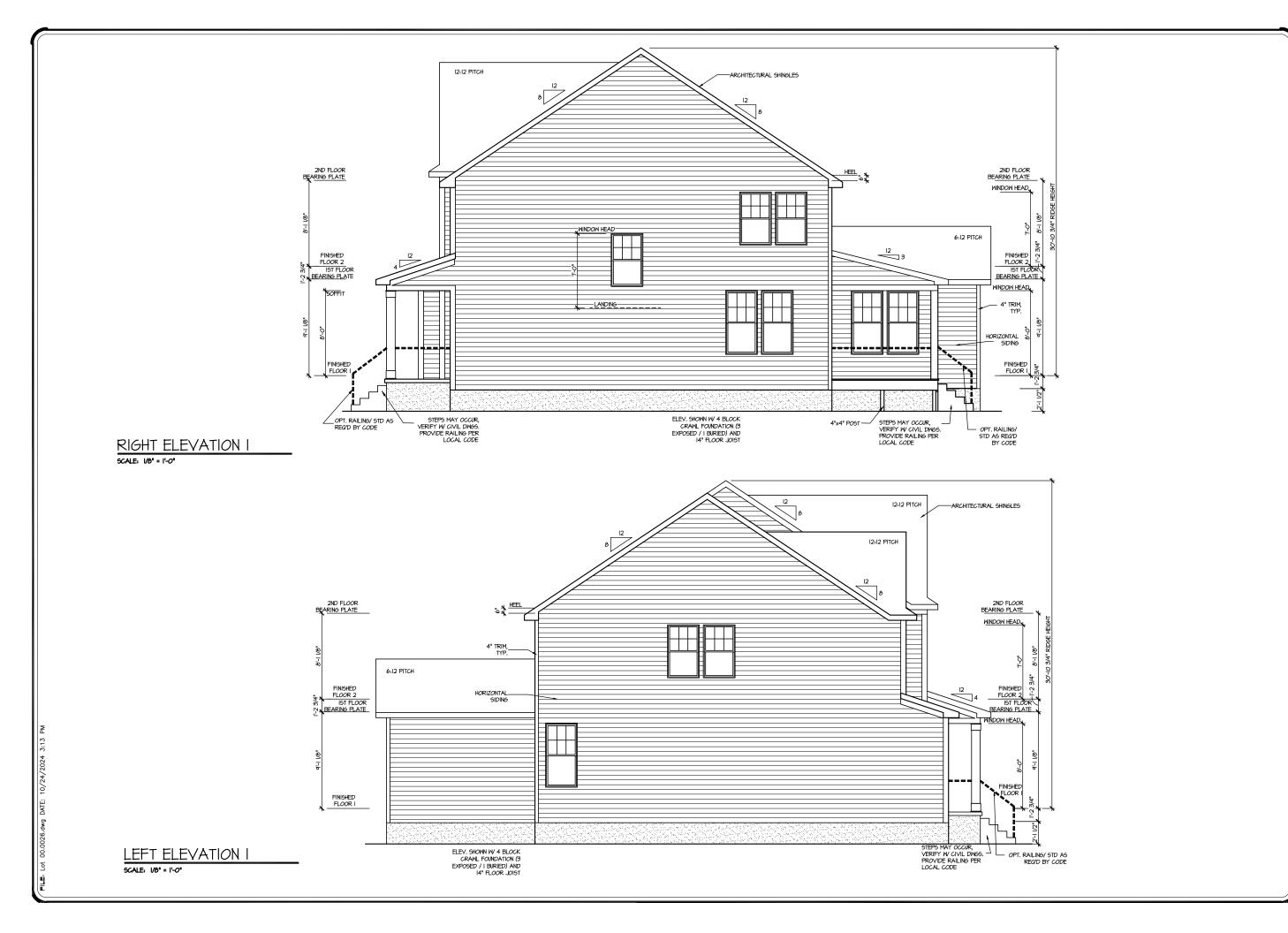
AREA CALCULATIONS ELEVATION 1 FIRST FLOOR GARAGE FRONT PORCH - ELEVATION 1 SECOND FLOOR OPTIONS EXT. BRKFST W/ EXT. OWNER'S SUIT BED 5 W/ BATH 3	TE/ COVERED	HEATED 1542 SF 1616 SF +186 SF +55 SF	COVERED / UNHEATED 496 SF 103 SF +160 SF -55 SF	UNCOVERED
	TOTAL	3399 SF	704 SF	

437 Adams Pointe Court

LOT	SPECIFIC	
1	LOT 00.0026	
		STONEFIELD REV. RALE—3 ELEVATION 1 437 ADAMS POINTE COURT ANGIER, NC 27501
2	ADDRESS	437 ADAMS POINTE COURT ANGIER, NC 27501
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	1





DRAWN BY: ITS DATE: 10/24/2024 PLAN NO. 1635



HOUSE NAME:
STONEFIELD
DRAWING TITLE
RIGHT & LEFT ELEVATIONS

SHEET No.

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA | = 1784 SQ. FT. OVERALL REQUIRED VENTILATION: | TO 150 = 114 SQ. FT. | TO 300 = 5.45 SQ. FT. | 50% IN TOP THIRD = 2.47 SQ. FT. (1 TO 300)

NET FREE AREA OF VENTED SOFFIT = 5.7 SQ. IN / LINEAR FT. NET FREE AREA OF RIDGE VENT = 10 SQ. IN/ LINEAR FT.

LONER VENTING: (BOTTOM 2/3 RDS) 16 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 3,006 SQ. FT.

16 LINEAR FEET OF SOPHIT X 5,1 SQ, IN, = 36A.0 SQ, UPPER VENTINE, (100 Jul RD).
24 LINEAR FEET OF RIDGE X ID SQ, IN = 3 SQ, FT, 3 SQ, FT, AT SQ, (1 TO 300 ALLONED).

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 3 = 45 50, FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 0.63 50, FT.
1 TO 300 = 0.311 50, FT.
50% IN TOP THIRD = 0.156 50, FT. (1 TO 300)

NET FREE AREA OF VENTED SOFFIT = 5.7 SQ. IN / LINEAR FT. NET FREE AREA OF RIDGE VENT = 18 SQ. IN/ LINEAR FT.

LOWER VENTING: (BOTTOM 2/3 RDS) 4 LINEAR FEET OF SOFFIT X 5.7 Sq. IN. = 0.156 Sq. FT.

4 LINEAR FIET OF SOFFIT X 5.1 SQ. IN = 0.156 SQ. FT UPPER VEHINDS. (109 J.) 8 RDJ 2 LINEAR FIET OF RIDGE X I6 SQ. IN = 0.25 SQ. FT. I SQ. FT. BETHVEH 50% (1 TO 300 ALLONED)

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 2 = 252 SQ. FT. OVERALL REQUIRED VENTILATION: 1 TO BO = 1.60 SQ. FT. 1 TO 300 = 0.84 SQ. FT. 50% IN TOP THIRD = 0.42 SQ. FT. (1 TO 300)

NET FREE AREA OF VENTED SOFFIT = 5.7 SQ. IN / LINEAR FT. NET FREE AREA OF RIDGE VENT = 18 SQ. IN/ LINEAR FT.

LOWER VENTING: (BOTTOM 2/3 RDS)
II LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 0.435 SQ. FT. UPPER VENTING: (TOP 1/3 RD)
4 LINEAR FEET OF RIDGE X IS SQ. IN = 0.5 SQ. FT.

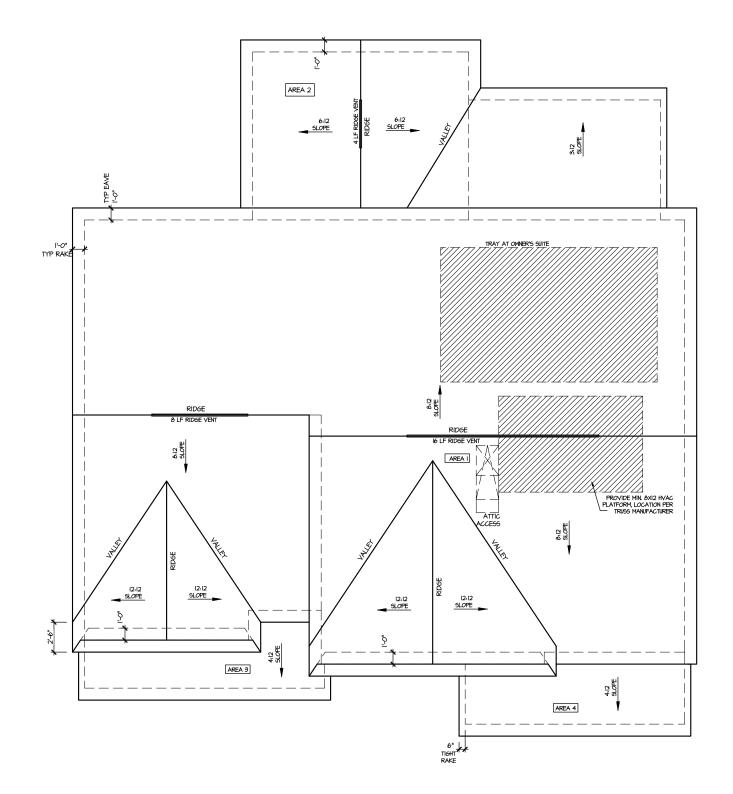
UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 4 = 103 50. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 0.667 50. FT.
1 TO 300 = 0.343 50. FT.
50% IN TOP THIRD = 0.112 50. FT. (1 TO 300)

NET FREE AREA OF VENTED SOFFIT = 5.7 SQ. IN / LINEAR FT. NET FREE AREA OF RIDGE VENT = 10 SQ. IN/ LINEAR FT.

LOWER VENTING: (BOTTOM 2/3 RDS)
5 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 0.148 SQ. FT. 5 LINEAR FIET OF SOFFIT X 5.1 SQL IN = 0.146 SQL F1 (19PER VENTING, 170P (18 PD))
2 LINEAR FIET OF RIDGE X IB SQL IN = 0.25 SQL FT. 1 SQL F1 AT SQR (1 TO 300 ALLOHED)

NOTE: ROOF PLANS SHOWN W MIN. REQ'D RIDGE VENT LOCATIONS. ACTUAL RIDGE VENT LOCATIONS AND QUANTITY PER BUILDER



ROOF PLAN ELEV. I

SCALE: 1/8" = 1'-0"

HOUSE NAME:
STONEFIELD
DRAWING TITLE SHEET No. AI.3

DRAWN BY:

DATE: 10/24/2024 PLAN NO. 1635

CRAWL SPACE VENT CALCULATIONS: ELEV I CRAWL AREA = 1542 SQ. FT. OVERALL REQUIRED VENTILATION: I SQ. IN. PER I SQ. FT. = 1542 SQ. IN.

NET FREE AREA OF VENT = 72 SQ. IN. PER VENT WITTEN AUTOMATIC VENT OAL-I OR EQUAL

VENTING REQUIREMENT:

1542 SQ. IN. / 72 SQ. IN. = 21.4 VENTS = 22 VENTS

ONLY VENTS ON THE FRONT ELEVATION ARE SHOWN. ALL OTHERS TO BE FIELD LOCATED. VENTS SHALL BE INSTALLED PER R322.2.2 - R322.2.2.1

CRAWL SPACE VENT CALCULATIONS: OPT. BED 5/BA 3 CRAWL AREA = 54 SQ. FT. OVERALL REQUIRED VENTILATION: I SQ. IN. PER I SQ. FT. = 54 SQ. IN.

NET FREE AREA OF VENT = 72 SQ. IN. PER VENT WITTEN AUTOMATIC VENT OAL-I OR EQUAL

VENTING REQUIREMENT:

54 SQ. IN. / 72 SQ. IN. = .8 VENTS = I VENTS

ONLY VENTS ON THE FRONT ELEVATION ARE SHOWN. ALL OTHERS TO BE FIELD LOCATED. VENTS SHALL BE INSTALLED PER R322.2.2 - R322.2.2.1

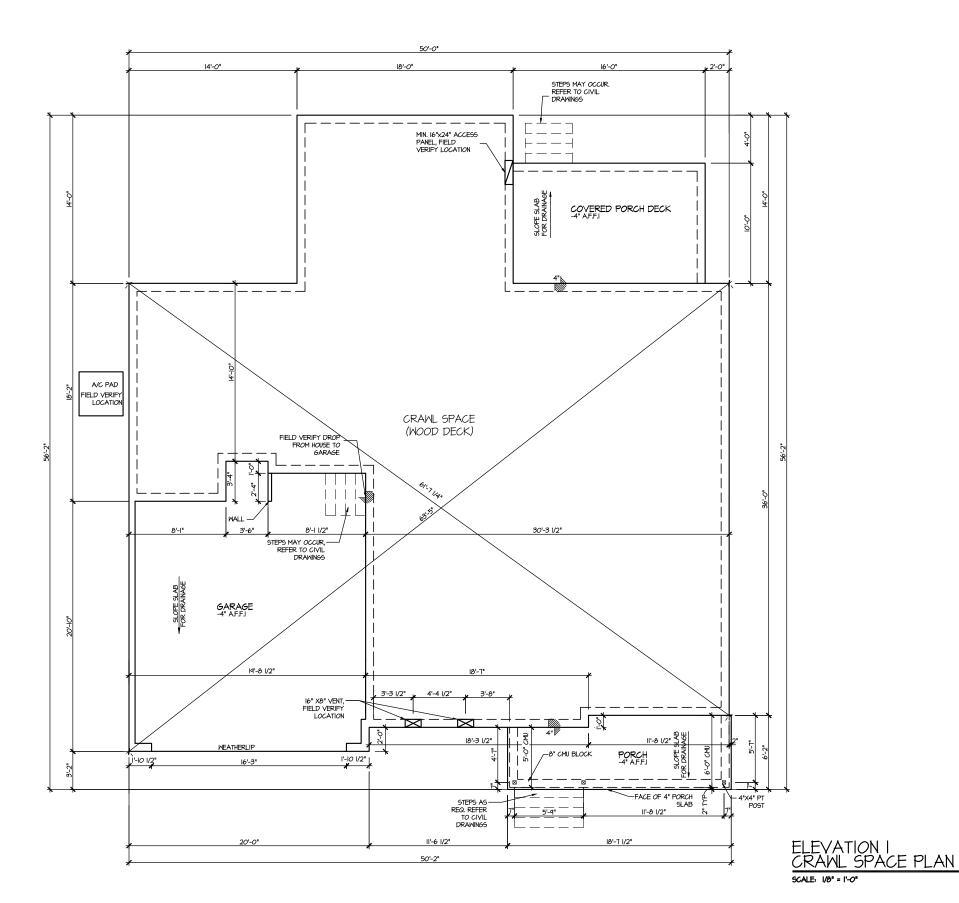
CRAWL SPACE VENT CALCULATIONS: OPT. EXT. BRKFST. CRAWL AREA = 93 SQ. FT. OVERALL REQUIRED VENTILATION: I SQ. IN. PER I SQ. FT. = 93 SQ. IN.

NET FREE AREA OF VENT = 72 SQ. IN. PER VENT WITTEN AUTOMATIC VENT OAL-I OR EQUAL

VENTING REQUIREMENT:

93 SQ. IN. / 72 SQ. IN. = 1.3 VENTS = 2 VENTS

ONLY VENTS ON THE FRONT ELEVATION ARE SHOWN. ALL OTHERS TO BE FIELD LOCATED. VENTS SHALL BE INSTALLED PER R322.2.2 - R322.2.2.1



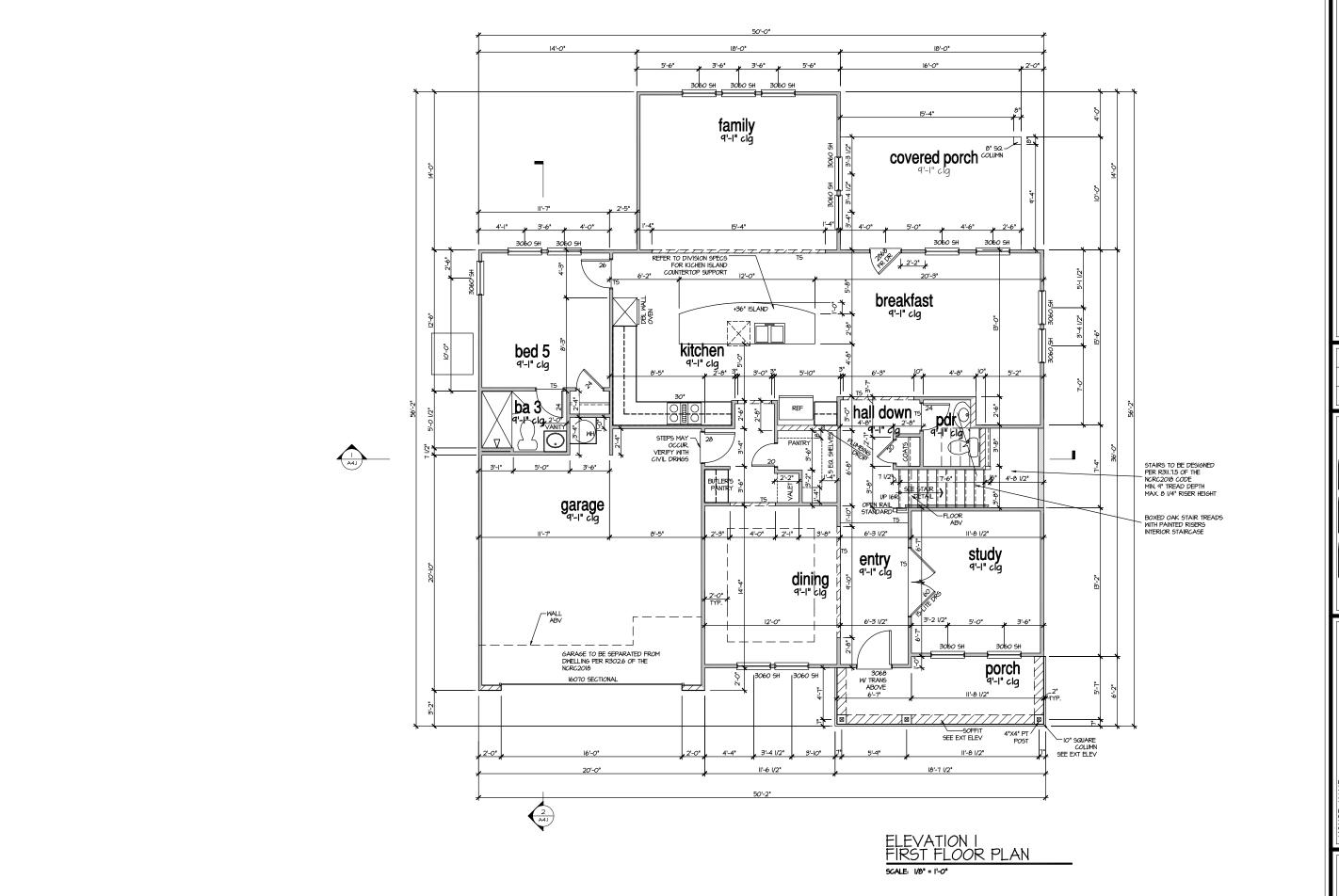
DRAWN BY: DATE: 10/24/2024

PLAN NO. 1635



Ш HOUSE NAME: STONEFIE DRAWING TITLE \bar{w}

SHEET No. A2.



DRAWN BY: DATE: 10/24/2024

PLAN NO. 1635

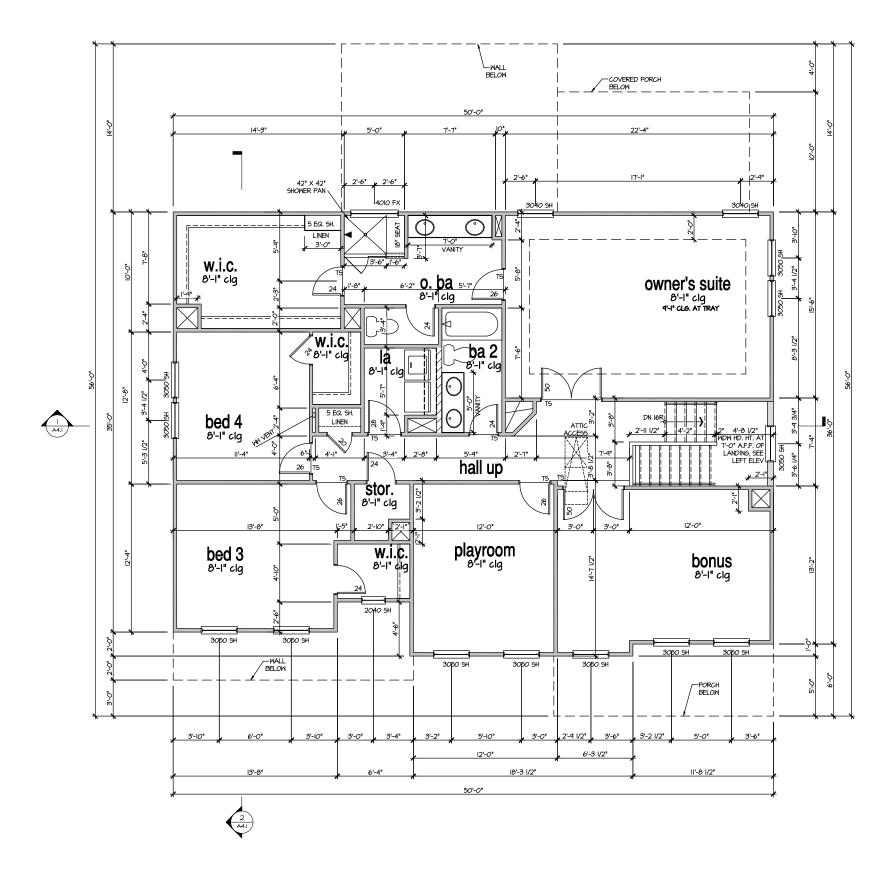


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HOUSE NAME:
STONEFIELD
DRAWING TITLE
FIRST FLOOR PL

SHEET No.

A3.1



ELEVATION I SECOND FLOOR PLAN SCALE: 1/8" = 1'-0"

DRAWN BY: DATE: 10/24/2024

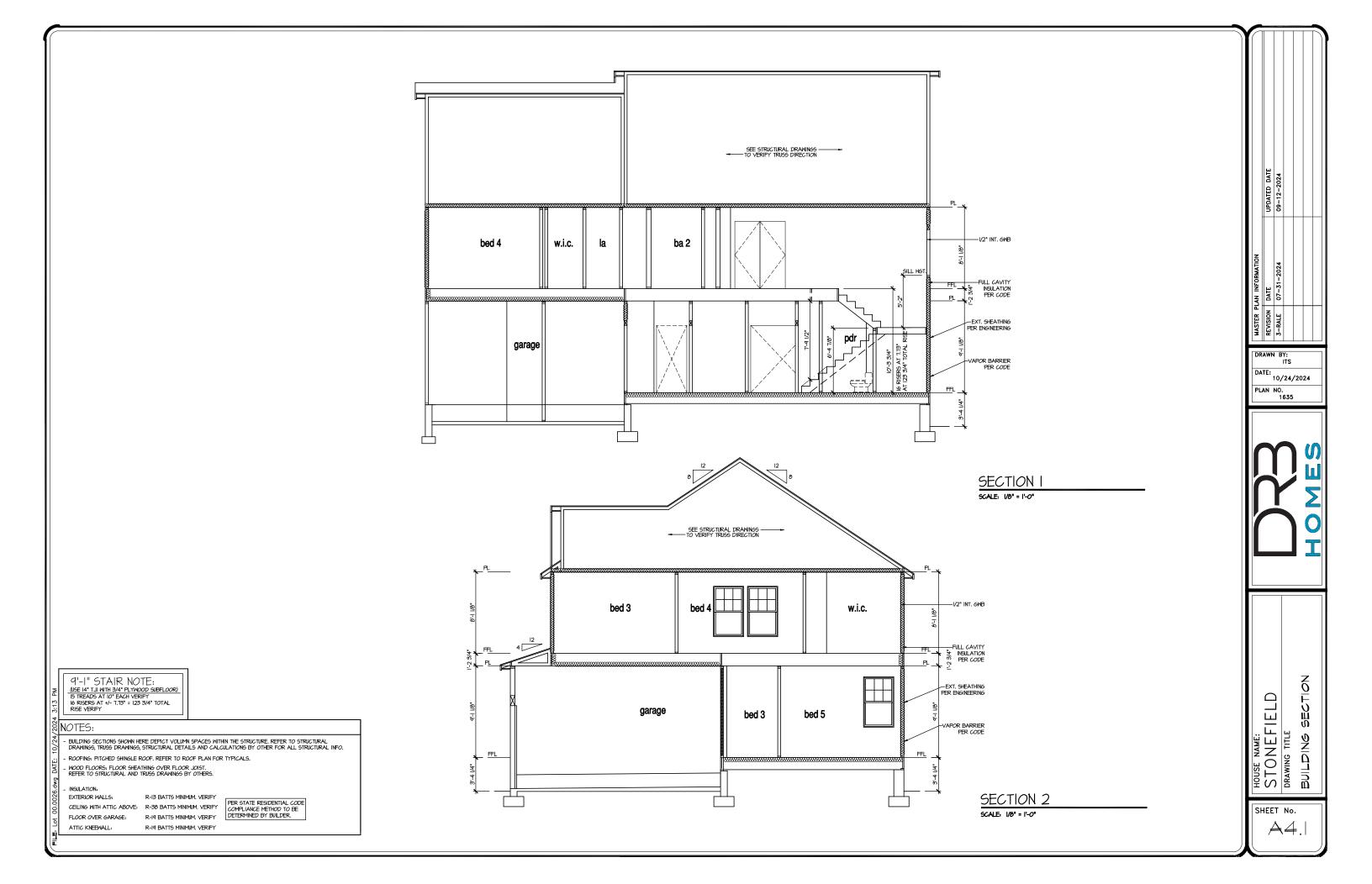
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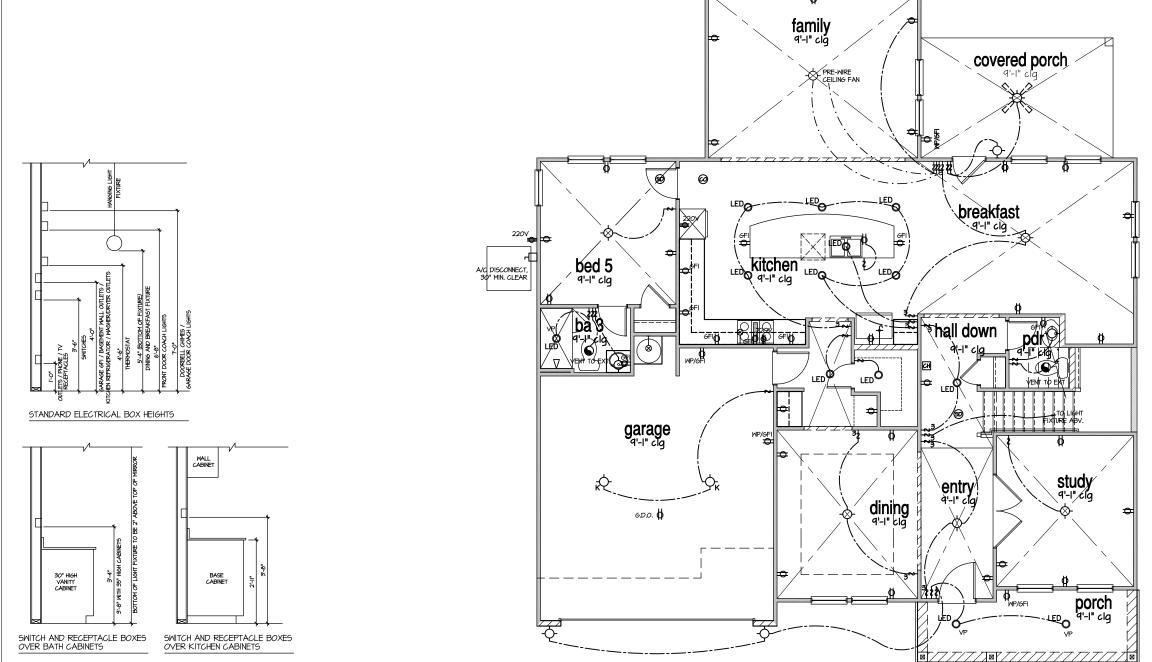


HOUSE NAME:
STONEFIELD
DRAWING TITLE
SECOND FLOOR ∏ 00 N

SHEET No.

A3.2





NOTES:

- PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AND CO2 DETECTORS AS REQUIRED BY NATIONAL FIRE PROVIDED MASSOCIATION (NPPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING COD - PROVIDE AND INSTALL GROUND FAILT CIRCUIT-INTERRIPTERS (SFI) AS REQUIRED BY NATIONAL ELECTRICAL COD (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES. ELECTRICAL CONTRACTOR TO PROVIDE REQUIRED DIRECT HOOK-UPS/CUTOFFS.

HVAC CONTRACTOR TO VERIFY THERMOSTAT LOCATIONS. ALL ELECTRICAL AND MECHANICAL EQUIPMENT (FURNACES, A/C UNITS, ELECTRICAL PANELS, SANITARY SUMP DRAIN TILE SUMP, AND WATER HEATERS) ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS.

PROVIDE POWER, LIGHT AND SWITCH AS REQUIRED FOR ATTIC FURNACE PER CODE AND MANUFACTURER'S WRITTEN INSTRUCTIONS.

· CLOSET LIGHTS TO BE FLOURESCENT FIXTURES FOR NC & INCANDESCENT CLG. MOUNTED FIXTURES FOR ALL OTHER AREAS.

	LEG	END:						
	ф	AFCI DUPLEX OUTLET	ф	CEILING MOUNTED INCANDESCENT LIGHT FIXTURE	CH CH	CHIMES	\	CEILING FAN
AL	Фир/бЕ	WEATHERPROOF 6FI AFCI DUPLEX OUTLET	-Ò _K	KEYLESS LIGHT	9	PUSHBUTTON SWITCH		(PROVIDE ADEQUATE SUPPORT)
	Ø 6FI	GROUND-FAULT CIRCUIT-INTERRUPTER AFCI DUPLEX OUTLET	Ю	WALL MOUNTED INCANDESCENT	99	IIOV SMOKE DETECTOR W BATTERY BACKUP	S	CEILING FAN WITH INCANDESCENT LIGHT FIXTURE
q.	Ф	HALF-SWITCHED AFCI DUPLEX OUTLET	Ι'Ψ	LIGHT FIXTURE	0	CO2 DETECTOR		(PROVIDE ADEQUATE SUPPORT)
IP PITS,	₽ 220∨	220 VOLT AFCI OUTLET	ф-	RECESSED LIGHT FIXTURE	Ð	THERMOSTAT	. 0	e to common or colonia to the fire
. [0	REINFORCED JUNCTION BOX	OLED	LED SURFACE MOUNTED	PH	TELEPHONE	₩	6AS SUPPLY WITH VALVE
	\$	WALL SMITCH		EXHAUST FAN (VENT TO EXTERIOR)	M	TELEVISION	HP HOSE BIBB	HOSE BIBB
İ	\$3	THREE-WAY SMITCH	•			ELECTRIC METER	P	
H	4.	FOR USA CUITCH			_	ELECTRIC PANEL		I/II WATTO CTID OUT
\$4		FOUR-WAY SWITCH	- (≱	EXHAUST FANLIGHT COMBINATION (VENT TO EXTERIOR)	=	DISCONNECT SWITCH	TOM	I/4" WATER STUB OUT
		LED STRIP FIXTURE		TECH HUB SYSTEM				

ELECTRICAL PLAN FIRST FLOOR - ELEV. I

SCALE: 1/8" = 1'-0"

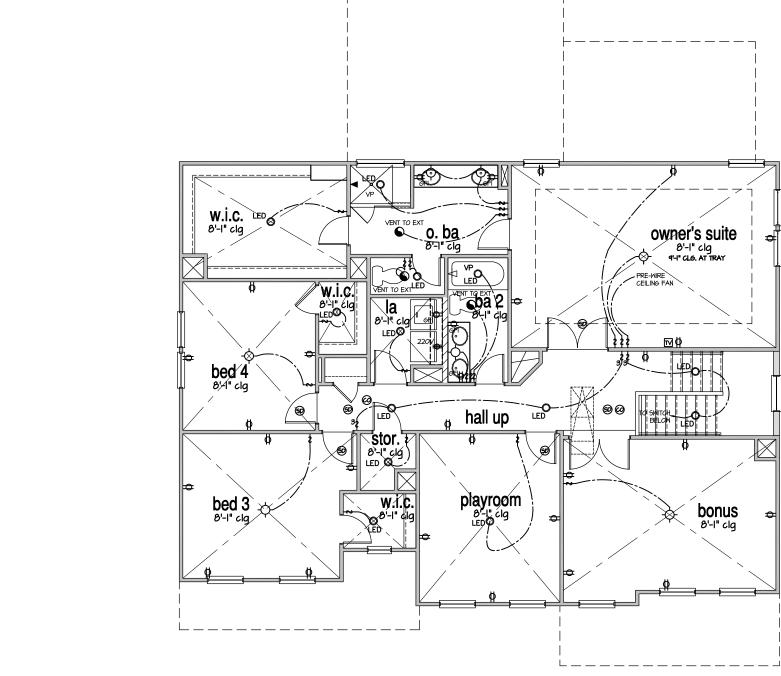
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DATE: 10/24/2024 PLAN NO. 1635

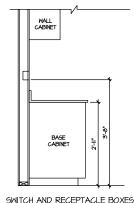


山 HOUSE NAME:
STONEFIELE
DRAWING TITLE
FIRST FLOOR B

SHEET No.



STANDARD ELECTRICAL BOX HEIGHTS



ELECTRICAL PLAN SECOND FLOOR - ELEV. I

SCALE: 1/8" = 1'-0"

SWITCH AND RECEPTACLE BOXES OVER KITCHEN CABINETS SWITCH AND RECEPTACLE BOXES OVER BATH CABINETS NOTES: LEGEND: PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AND CO2 DETECTORS AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES, PROVIDE AND INSTALL GROUND FAILT CIRCUIT. INTERREPRIETS (FIF) AS REQUIRED BY NATIONAL ELECTRICAL COD (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES. AFCI DUPLEX OUTLET - CEILING MOUNTED INCANDESCENT CHIMES CEILING FAN (PROVIDE ADEQUATE SUPPORT) MEATHERPROOF OF AFCI DUPLEX OUTLET GFI GROUND-FAULT CIRCUIT-INTERRUPTER
AFCI DUPLEX OUTLET IIOV SMOKE DETECTOR
W BATTERY BACKUP CEILING FAN WITH INCANDESCEN LIGHT FIXTURE (PROVIDE ADEQUATE SUPPORT) ELECTRICAL CONTRACTOR TO PROVIDE REQUIRED DIRECT HOOK-UPS/CUTOFFS WALL MOUNTED INCANDESCENT HALF-SWITCHED AFCI DUPLEX OUTLET HVAC CONTRACTOR TO VERIFY THERMOSTAT LOCATIONS. ALL ELECTRICAL AND MECHANICAL EQUIPMENT (FURNACES, A/C UNITS, ELECTRICAL PANELS, SANITARY SUMP PI DRAIN TILE SUMP, AND WATER HEATERS) ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS. - RECESSED LIGHT FIXTURE 220V 220 VOLT AFCI OUTLET THERMOSTAT ---- GAS SUPPLY WITH VALVE PH TELEPHONE REINFORCED JUNCTION BOX $\mathbf{O}^{\mathsf{LED}}$ LED SURFACE MOUNTED PROVIDE POWER, LIGHT AND SWITCH AS REQUIRED FOR ATTIC FURNACE PER CODE AND MANUFACTURER'S WRITTEN INSTRUCTIONS. ▼ TELEVISION WALL SMITCH ──₩ HOSE BIBB EXHAUST FAN (VENT TO EXTERIOR ☐ ELECTRIC METER · CLOSET LIGHTS TO BE FLOURESCENT FIXTURES FOR NC & INCANDESCENT CLG. MOUNTED FIXTURES FOR ALL OTHER AREAS. \$ 3 THREE-WAY SMITCH ELECTRIC PANEL \$4 FOUR-WAY SWITCH EXHAUST FAN/LIGHT COMBINATION (VENT TO EXTERIOR) DISCONNECT SWITCH □≡□ LED STRIP FIXTURE TECH HUB SYSTEM

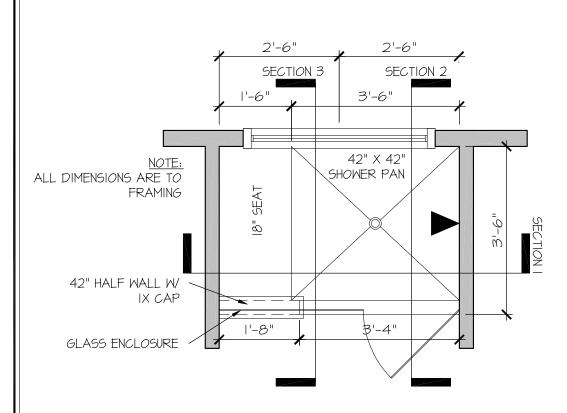
DATE: 10/24/2024 PLAN NO. 1635 ᇳ

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SHEET No.

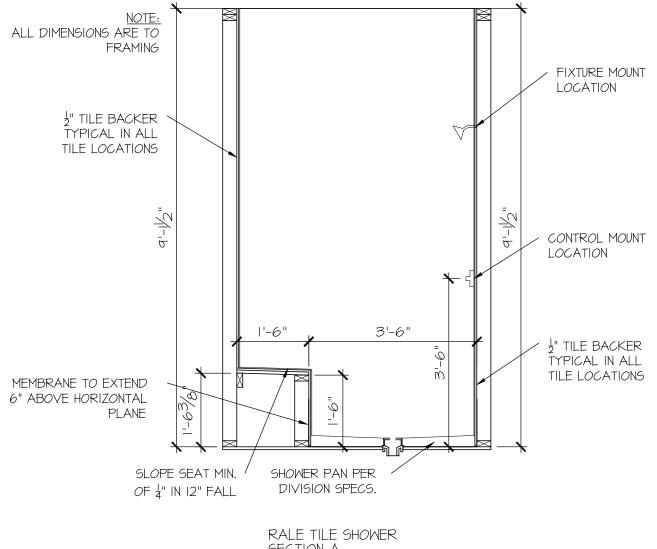
HOUSE NAME:
STONEFIELE
DRAWING TITLE

ECOND



RALE TILE SHOWER 42" X 42" W 18" SEAT

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



SECTION A

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

CONSULTANT LOGO

DRAWN BY: L. BEAVERS DATE: 9/1/22 PLAN NO.

11 X 17 SCALE

24 X 36 SCALE



DETAIL SHOWER RALE

SHEET No.



SEAL

DRAWN BY:
L. BEAVERS
DATE: 9/1/22

PLAN NO.

24 X 36 SCALE

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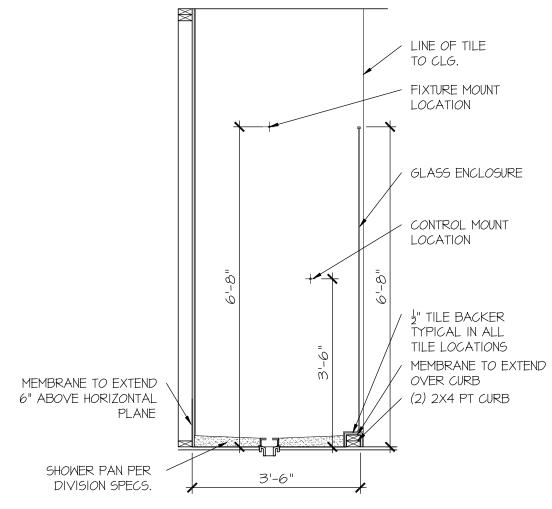


E ILE SHOWER DETAIL

OUSE NAME:

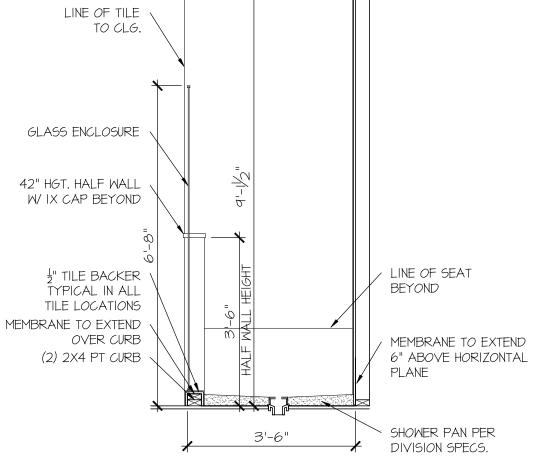
SHEET No.

P||.2



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





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

FOUNDATION

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.
- FOOTING DESIGN 2,000 PSF ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED. BUILDER/CONTRACTOR MUST VERIFY.
- FASTEN 2x4/6 SILL PLATES TO FND WITH A MINIMUM OF 2 ANCHORS PER PLATE 12" MAX FROM PLATE ENDS - LITH 17ING
- . I/2" DIA. ANCHOR BOLTS . 6'-0" O.C, 7" MIN. EMBEDMENT
- (CONC.) 15" MIN EMBEDMENT (CMU)
- SIMPSON MASA ANCHOR STRAPS @ 6'-0" O.C. (CONC)
- SIMPSON MAB23 ANCHOR STRAPS 2'-8" O.C. (CMU) (REFER TO DETAILS FOR IO' TALL WALL ANCHOR REQUIREMENTS)
- ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT W CONCRETE
- OR CMU SHALL BE PRESERVATIVE TREATED SOUTHERN PINE #2. BUILDER TO VERIFY CORROSION-RESISTANCE COMPATIBILITY OF
- HARDWARE & FASTENERS IN CONTACT W/ PRESERVATIVE-TREATED WOOD, CONTACT LUMBER & HARDWARE SUPPLIERS TO COORD.
- BASEMENT INTERIOR BEARING WALLS & EXTERIOR WALK-OUT BASEMENT WALLS SHALL BE 2x6 @ 16" O.C. SPF OR SYP, "STUD" GRADE OR BETTER.
- * CONCRETE DESIGN BASED ON ACL 318 CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.:
 - 4,000 psi: FOUNDATION WALLS
 2,500 psi: FOOTINGS & INTERIOR SLABS ON GRADE 3,000 psi: GARAGE & EXTERIOR SLABS ON GRADE 60,000 psi
- BASEMENT FOUNDATION WALL DESIGN BASED ON:
- . 9' OR IO' HEIGHT (AS NOTED ON PLANS) - TALLER WALLS MUST BE ENGINEERED.
- NOMINAL WIDTH (9 ½" FOR 10" THICK WALL).
- BASEMENT WALL DESIGN IS BASED ON 60 PCF BACKFILL SOIL TYPE
- CLASSIFICATIONS (SC, ML-CL, OR CL). BASEMENT WALLS SHALL BE BRACED, PRIOR TO BACKFILLING, BY
- ADEQUATE TEMPORARY BRACING OR INSTALL 1st FLOOR DECK
- PROVIDE (2) #5 BARS AROUND ALL SIDES OF OPENINGS IN CONCRETE BSMT, FND, WALL WITH 2" CLEAR, REINFORCEMENT SHALL EXTEND 12" PAST CORNER OF OPENING IN ALL DIRECTIONS
- FOR OPENINGS UP TO 36", PROVIDE MINIMUM IO" CONCRETE DEPTH OVER OPENING OR (3)2x10 W (2)2x6 JACK STUDS, U.N.O.
- LARGER OPENINGS SHALL BE PER PLAN.
- ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS THAN 5% OR MORE THAN 7% AIR ENTRAINMENT
- ALL FOOTINGS SHALL BEAR AT LEAST 12" BELOW FINISH GRADE.
- FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR 95% COMPACTED FILL.
- PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP
- . JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR 15'-0" O.C. (MAXIMUM)
- JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS POSSIBLE (I.I RATIO) WITH A MAXIMUM OF 1.15 RATIO
- CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL
- CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C90 WITH A MIN. COMPRESSIVE STRENGTH OF 1900 psi (Fim=1500 psi). MORTAR SHALL
- BE ASTM C270, TYPE 5. CMU DESIGN PER ACI 530 \$ 530.1. • CMU FOUNDATION WALLS SHALL HAVE 'DUR-O-WALL' HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 9 GA. MINIMUM @ 16" O.C.
- PROVIDE 2x8 x 16" LONG PT. PLATE ON TOP OF ALL CRAWL SPACE PIERS. ALL PIERS SHALL BE GROUTED SOLID.
- PROVIDE 2x6 P.T. PLATE ON INTERIOR CRAWL SPACE WALLS, FASTENED PER ANCHORAGE SPECIFICATION NOTED ABOVE.
- DIMENSIONS BY OTHERS, BUILDER TO VERIFY.
- BUILDER TO VERIFY THAT MODEL HAS BEEN ADEQUATELY TREATED BY A LICENSED AND BONDED PEST CONTROL COMPANY FOR SUBTERRANEAN TERMITES, METHOD AND TYPE OF TREATMENT TO BE DETERMINED BY PEST CONTROL COMPANY.

GENERAL STRUCTURAL NOTES

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE RESIDENTIAL CODE.
- WOOD FRAME ENGINEERING IS BASED ON NDS. "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION.
- DESIGN LOADS:

DEAD = 7 PSF T.C., 10 PSF B.C.

LOAD DURATION FACTOR = 1.25

LIVE = 40 PSF (30 PSF @ SLEEPING AREAS) DEAD = IO PSF (I-JOISTS & SOLID SAWN)
IO PSF T.C., 5 PSF B.C. (TRUSSES) (ADD'L IO PSF @ TILE)

LATERAL 120 MPH, EXPOSURE B. SEISMIC A/B.

2,000 PSF ASSUMED ALLOWABLE BEARING PRESSURE (TO BE VERIFIED BY BUILDER)

GENERAL FRAMING

- ALL TYP, NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD ONNECTIONS TABLE OR ON PLANS. ALL NAILS SPECIFIED ARE MII DIAMETER AND LENGTH REQUIRED FOR CONNECTION, ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY. NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL FRAMING GUN NAILS.
- REFER TO FASTENING SCHEDULE TABLE R602.3(1) FOR ALL CONNECTIONS, TYP, U.N.O.
- EXT. \$ INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SPF OR SYP "STUD" GRADE LUMBER, OR BETTER, U.N.O. . WALLS OVER 12' TALL SHALL BE PER PLAN
- ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SPF) OR SOUTHERN PINE #2 (SYP) LUMBER, OR BETTER (KILN-DRIED), ALL HEADERS HAVE BEEN DESIGNED BASED ON GALCULATED LOADS & SIZED ACCORDINGLY, CODE TABLES HAVE NOT BEEN USED.
- ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x 'STUD' GRADE MEMBERS SPACED @ 16" O.C. (MAX., U.N.O.) * HEADERS IN NON-LOAD BEARING WALLS SHALL BE:
- (I)2x4/6 FLAT OPENINGS UP TO 4', (2)2x4/6 FLAT UP TO 8'. ALL FRAMING LUMBER SHALL BE DRIED TO 15% MC (KD-15).
- ENGINEERED LUMBER BEAMS TO MEET OR EXCEED THE FOLLOWING
- 'LSL' Fb=2325 psi; Fv=3I0 psi; E=1.55xI0^6 psi 'LVL' Fb=2600 psi; Fv=285 psi; E=2.0xI0^6 psi
- 'PSL' FB=2900 PSI; FV=290 PSI; E=2.0XI0^6 PSI
- M+K SHALL BE FULLY INDEMNIFIED FOR ANY AND ALL ISSUES RESULTING FROM OR RELATED TO ANY BUILDING COMPONENT IF THE OWNER DOES NOT SUBMIT THE COMPONENT SHOP DRAWINGS TO M+K FOR STRUCTURAL REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.
- FOR 2 \$ 3 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS 1/4"x31/2" SIMPSON SDS SCREWS (OR 31/5" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 3 ROWS FOR BEAM DEPTHS OF 14" OR GREATER APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID $3\,\%$ " OR $5\,\%$ " BEAMS ARE ACCEPTABLE, USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS.
- FOR 4 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 1/4"x6" SIMPSON SDS SCREWS (OR 6 3/4" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS " OR GREATER, APPLY FASTENING AT BOTH FACES (ONE SIDE ONLY FOR TRUSSLOK SCREWS). LOCATE TOP AND BOTTOM SCREWS ?" FROM EDGE, A SOLID T" BEAM IS ACCEPTABLE.
- ALL HEADERS SHALL BE SUPPORTED BY (1)2x JACK STUD & (1)2x KING STUD, MINIMUM. - THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE
- NUMBER OF JACK STUDS REQUIRED, U.N.O..
- ALL MULTI-PLY STUDS TO BE FASTENED TOGETHER w/ 3"X0.131" NAILS @ 24" O.C. (MIN.), EACH PLY. PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS
- CONTINUOUS TO FND/BEARING. BLOCKING TO MATCH POST ABOVE.
- FASTEN 2x WOOD PLATES TO TOP FLANGE OF STEEL BEAMS WITH P.A.F.'s ('HILTI' X-CF PINS OR EQUAL) @ 16" O.C. STAGGERED, OR I/2" DIA. BOLTS @ 48" O.C. STAGGERED.
- ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE SIMPSON BCS2-2/4 CAP & ABM44Z BASE, U.N.O.

FLOOR FRAMING

- I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED 1 /480 LIVE LOAD DEELECTION CRITERIA (EXCLUDES MARBLE FLOORS - CONTACT M&K FOR MARBLE FLOOR DESIGNS)
- AT I-JOIST FLOORS, PROVIDE I I/8" MIN. OSB RIM BOARD.
- METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, U.N.O.
- FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED 'STURD-I-FLOOR 24" O.C. EXPOSURE I (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W GLUE AND
- · 2 ⅓" x 0.131" NAILS @ 6"0¢. @ PANEL EDGES \$ @ 12"0¢. FIELD.
- 2 \$ × 0120" NAILS @ 4" OC @ PANEL EDGES & @ 8" OC FIELD · 2 🖁 × 0.113" NAILS 🛭 3" O.C. 🗗 PANEL EDGES 🛭 🗗 6" O.C. IN FIELD
- X 2" MIN, SCREWS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD

ROOF FRAMING

- BAY WINDOWS & SHED ROOFS (UP TO 6' SPAN) CAN BE 2x4 OR 2x6 RAFTERS & CEILING JOISTS @ 16/24" O.C.
- FASTEN EACH ROOF TRUSS TO TOP PLATE W SIMPSON H2.5T CLIP (OR APPROVED EQUAL) • ALL BEARING POINTS. PROVIDE (2) H2.5T CLIPS AT 2-PLY GIRDER TRUSSES, (3) H2.5T CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS.
- METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, U.N.
- ERECT AND INSTALL ROOF TRUSSES PER WTCA \$ TPI'S BCSI I-08 "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."
- SUPPORT PORCH & SHORT SPAN ROOF TRUSSES (MAX 7' SPAN) W 2x4 LEDGER FASTENED TO:
 - RIM BOARD w/ (2) 3"x0.131" NAILS @ 16" O.C. MAX. (1-JOISTS) - TRUSS VERTICALS w/ (3) 3"x0.131" NAILS @ 19.2" O.C. MAX.
- ROOF SHEATHING SHALL BE 1/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE I (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS
- · w/ 2 1 × 0.131" NAII S @ 6"0.c. @ PANEL EDGES & @ 12" O.C. FIELD.
- W/ 2 🐉 x 0.120" NAILS @ 4"O.C. @ PANEL EDGES & @ 8" O.C. FIELD. - w/ 2 🖁 x 0.113" NAILS @ 3"o.c. @ PANEL EDGES € @ 6" O.C. FIELD.

HOLD-DOWN SCHEDULE

SYMBOL.	SPECIFICATION
► HD-I	SIMPSON HTT4 HOLD-DOWN *
► HD-2	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.) (PRE-BENT MSTC66 ALT. WHEN SPECIFIED)
► HD-3	SIMPSON STHD14/14RJ HOLD-DOWN

ALTERNATIVE TO SSTB24 ANCHOR BOLT SPECIFICATION: UTILIZE SIMPSON "SET" EPOXY SYSTEM TO FASTEN %" PIA. THREADED ROD INTO CONCRETE FOUNDATION. PROVIDE 12" MIN. EMBEDMENT INTO CONCRETE. INSTALL PER MANUF. RECOMMENDATIONS. DO NOT LOCATE ANCHORS WITHIN I 34" OF EDGE OF FOUNDATION.

LEGEND

- IIIIII INTERIOR BEARING WALL
- □===□ BEARING WALL ABOVE
- ■ ## BFAM / HFADER
- = = INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- JL METAL HANGER
- * INDICATES POST ABOVE, PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- INDICATES HOLD-DOWN OR STRAP.

NON-BEARING HEADER SCHEDULE

SPAN	2x4 NON-BEARING PARTITION WALL	2x6 NON-BEARING PARTITION WALL
UP TO 3'-0"	(I)2x4 FLAT	(I)2x6 FLAT
UP TO 6'-0"	(2)2x4	(3)2×4
UP TO 8'-0"	(2)2x6	(3)2×6
UP TO 12'-0"	(2)2x8	(3)2x8

• ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x 'STUD' GRADE MEMBERS SPACED @ 24" O.C. (MAX.)

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: 20 MPH WIND IN 2018 NCSBC:RC (120 MPH WIND SPEED IN ASCE 7-10 WIND MAP, PER IRC R301.2.1.1)

EXP. B, RISK CAT. 2 & SEISMIC CAT. A/B.

THE DESIGN WAS COMPLETED PER 2015 IBC (SECTION 1609) & ASCE 7-10, AS PERMITTED BY R30LL3 OF THE 2018 NOSBG:RC OR THE SIMPLIFIED PRESCRIPTIVE PROCEDURE IN ACCORDANCE WITH THE 2015 IRC IF THE PARAMETERS OF SECTION R602.12 COMPLY CCORDINGLY, THIS MODEL, AS DOCUMENTED AND DETAILED HEREWITHIN, IS ADEQUATE TO RESIST THE CODE REQUIRED LATERAL FORCES.

DESIGN WIND UPLIFT LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7-10 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NCSBC:RC SECTION R802.II.I.I. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5& R802.II.

EXT. WALL SHEATHING SPECIFICATION

- 7/16" OSB OR 15/32" PLYWOOD: FASTEN SHEATHING W/ 2 % "XO.II3" NAILS @ 6" O.C. AT EDGES & @ 12" O.C. IN THE PANEL FIELD. TYP, U.N.O
- HORIZONTAL BLOCKING OF EXT. WALL/SHEAR WALL PANEL EDGES IS <u>NOT</u> REQUIRED BY THIS DESIGN EXCEPT FOR THOSE AREAS SPECIFICALLY NOTED.
- ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.
- ALT. STAPLE CONNECTION SPEC: 1½" 16 GA STAPLES (1/6" CROWN) @ 3" O.C. AT EDGES \$ @ 6" O.C IN FIELD

BLOCKED PANEL EDGES

AT DESIGNATED AREAS - FASTEN SHEATHING w/ 2 3/4" x 0.113" NAILS @ 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 1 34" 16 GA STAPLES (1/6" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR PROVIDED TO SUPPORT ALL UNSUPPORTED PANEL EDGES & EDGE FASTENING.

3" O.C. EDGE NAILING

AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING w/8d NAILS @ 3" O.C. NO STAPLE ALTERNATIVE AVAILABLE AT THIS SPEC. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT UNSUPPORTED PANEL EDGES AND 3" OC EDGE FASTENING

- SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILING, IF IT WILL BE SPECIFICALLY NOTED ON PLAN
- DESIGN ASSUMES 16" O.C MAX. STUD SPACING, U.N.O. ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING
- PRE-MANUFACTURED PANELIZED WALLS: FASTEN TOGETHER END STUDS OF WALL PANELS SHEATHED W/ OSB OR PLYWOOD W/ 3" x 0.120" NAILS @ 4" O.C. (THRU ONE SIDE ONLY)
- INDICATES EXTENT OF INT. OSB SHEARWALL
 OR 3" O.C. OSB SHEARWALL.
 - INDICATES HOLDOWN BELOW

ENGINEERED BEAM MATERIAL SCHEDULE							
BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION		
001	(2)13/4"×16" - D	3½"x16" - D	N/A	(2)2xi2 + (i) ¾"xii¼" 9TEEL FLITCH PLATES - D	WI2xI4 - D		
002	(2)13/4"×113/6" - D	3½"xli⅓" - D	(3)134"x1136" - D	(2)2xl2 + (1) ¼"xll¼" STEEL FLITCH PLATES - D	WI2xI4 - D		
003	(2)13/4"x14" - F	3½"x 4" - F	(2)19/4"x14" - F	(2)2xi2 + (1) ¼"xil¼" STEEL FLITCH PLATES - F	WI2xI4 - F		
004	(2)13/4"×14" - F	3½"x 4" - F	(3)1¾"x14" - F	(2)2xl2 + (l) %"xl以" STEEL FLITCH PLATES - F	WI2xI4 - F		
005	(3)134"x18" - FT	5¼"xlô" - FT	N/A	(3)2xl2 + (2) %"xll4" STEEL FLITCH PLATES - F	WI2x26 - F		
006	(3)134"x18" - FT	51/4"xl8" - FT	N/A	(3)2xl2 + (2) %"xll"," STEEL FLITCH PLATES - F	WI2x26 - F		
001	(2)13/4"x14" - F	3½"x 4" - F	(2)19/4"x14" - F	(2)2xi2 + (1) ¼"xil¼" STEEL FLITCH PLATES - F	WI2xI4 - F		
000	(2)13/4"×14" - F	3½"x 4" - F	(2)13/4"×14" - F	(2)2xi2 + (1) ¼"xil¼" STEEL FLITCH PLATES - F	WI2xI4 - F		
004	(2)194"×94" - D	3½"×94" - D	(2)194"x944" - D	(2)2x10 + (1) ¼ "x9¼" STEEL FLITCH PLATES - D	WI0xl2 - D		
010	(2)13/4"×16" - H	3½"x16" - H	(3)194"×16" - H	(3)2xi2 + (2)½"xii¼" STEEL FLITCH PLATES - H	N/A		
OII	(2)194"x1116" - D	3½"xI1%" - D	(3)134"x1136" - D	(2)2xi2 + (i) ¼"xil¼" STEEL FLITCH PLATES - D	WI2xI4 - D		
012	(3)134"×16" - D	5¼"xi6" - D	(4)134"x16" - D	(3)2xi2 + (2)½"xii¼" STEEL FLITCH PLATES - D	WI2xI9 - D		
013	(2)1¾"x11%" - D	3½"x11%" - D	(3)1¾"x11¾" - D	(2)2xi2 + (i) ¼"xil¼" STEEL FLITCH PLATES - D	WI2xI4 - D		
014	(2)134"×16" - D	3½"x16" - D	(3)134"x16" - D	(3)2xl2 + (2) %"xll4" STEEL FLITCH PLATES - D	WI2xI4 - D		
015***	(3)13/4"x113/6" - D	N/A	(3)13/4"x11%" - D	(3)2xl2 + (2) ¼"xll¼" STEEL FLITCH PLATES - D	WI2xI4 - D		
016	(2)1¾"x11%" - F	3½"xll%" - F	(3)1¾"x11¾" - F	(2)2xl2 + (1) ¼"xll¼" STEEL FLITCH PLATES - F	WI2xI4 - F		

- BEAM NOTATION: "F" INDICATES FLUSH BEAM
- "FT" INDICATES FLUSH TOP BEAM "FB" INDICATES FLUSH BOTTOM BEAM
- "D" INDICATES DROPPED BEAM
- "H' INDICATES DROPPED OPENING HEADER REFER TO DETAIL D/SD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS REFER TO DETAIL E/SD2.0 FOR TYPICAL STEEL BEAM CONNECTIONS
- FOR FLUSH TOP BEAMS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D, FASTEN PLATES IN SUCCESSION W/ (2) 3"X0.120" NAILS © 8" O.C.
- FOR FLUSH BOTTOM BEAMS PROVIDE 2x STACKED PLATES ATOP BEAM AS REQ'D. FASTEN
- PLATES IN SUCCESSION w/ (2) 3"x0.120" NAILS @ 8" O.C. *** - SEE PLAN FOR EXTENT OF 3-PLY BEAM

ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER

ROOF TRUSS, FLOOR TRUSS AND ENGINEERED JOISTS SHALL BE DESIGNED TO MEET THE DIFFERENTIAL DEFLECTION CRITERIA BELOW, UNLESS NOTED OTHERWISE ON PLAN.

TRUSSES/JOISTS SHALL BE DESIGNED SO THAT DIFFERENTIAL DEFLECTION BETWEEN ADJACENT PARALLEL TRUSSES/JOISTS OR GIRDER TRUSSES/FLUS BEAMS DO NOT EXCEED THE FOLLOWING:

- A. ROOF TRUSSES: I/4" DEAD LOAD
- B. FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS: I/B" DEAD LOAD
- FLOOR TRUSSES & ATTIC TRUSSES ADJACENT TO FLOOR FRAMING BY OTHERS:
- LIMIT ABSOLUTE TRUSS DEFLECTION TO 3/16" DEAD LOAD. (NOT DIFFERENTIAL DEFLECTION)

SD2.I REFERS TO SD2.IA FOR LVL/PSL/LSL BEAMS OR SD2.IB FOR FLITCH BEAMS OR SD2.IC FOR STEEL BEAMS

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1&K project numbe 126-2304

rawn by: ssue date: 10-30-2

EVISIONS

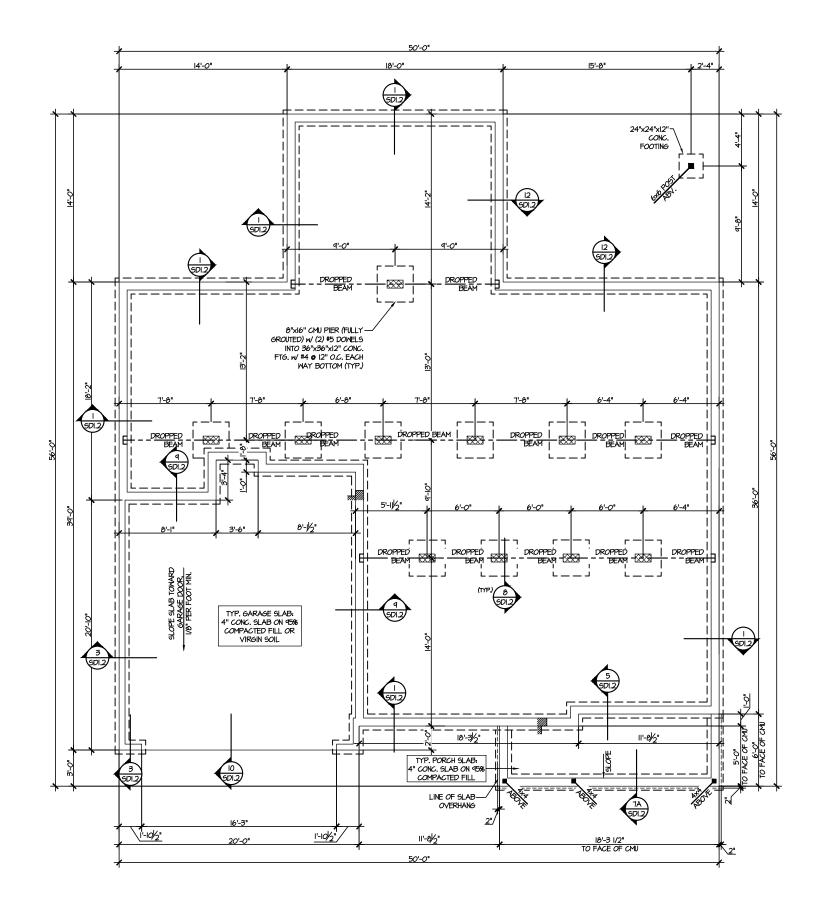
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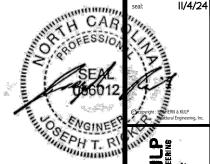


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M&K project number: 126-2304

drawn by: issue date: 10-30-24

PLANS

OUNDATION

HONEYCUTT HILLS Lot 26 - Stonefield 1 Raleigh, nc

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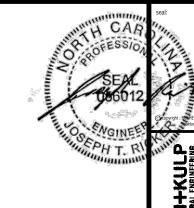
LEGEND

- IIIIII INTERIOR BEARING WALL
- □===□ BEARING WALL ABOVE
- — BEAM / HEADER
- = = INDICATES SHEAR WALL & EXTENT EXTENT OF OVERFRAMING
- JL METAL HANGER
- * INDICATES POST ABOVE, PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- INDICATES HOLD-DOWN OR STRAP.
 REFER TO SCHEDULE.

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

CRAWLSPACE FOUNDATION PLAN

SCALE: 1/8"=1"-0"



MULHERN+KULP

RESIDENTIAL STRUCTURAL ENSINEERING

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M&K project number: 126-2304

drawn by: issue date: 10-30-24

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LEGEND

• = = INDICATES SHEAR WALL & EXTENT • EXTENT OF OVERFRAMING

* INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

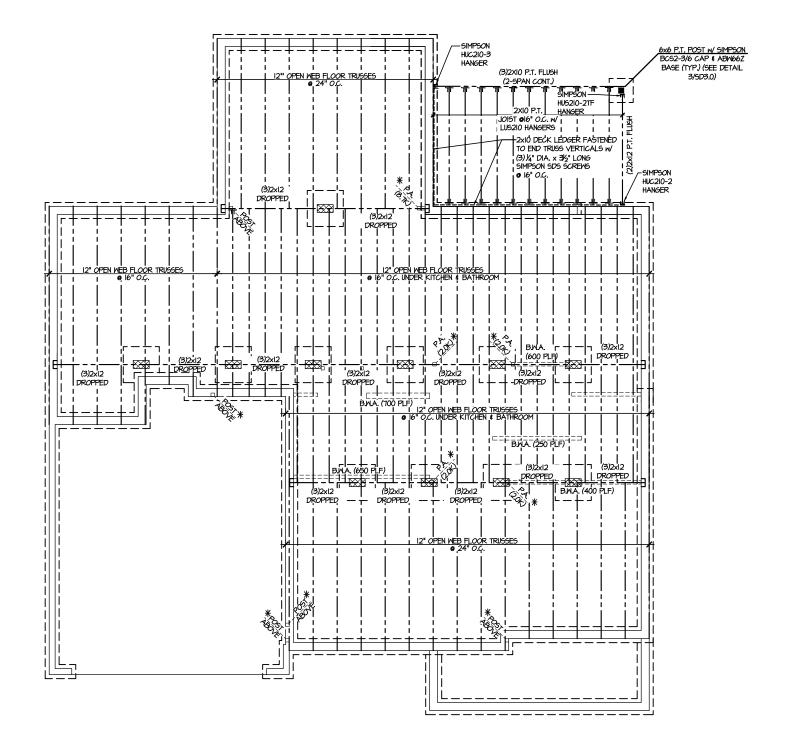
REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES \$ SCHEDULES

INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

• INTERIOR BEARING WALL ● □===□ BEARING WALL ABOVE • --- BEAM / HEADER

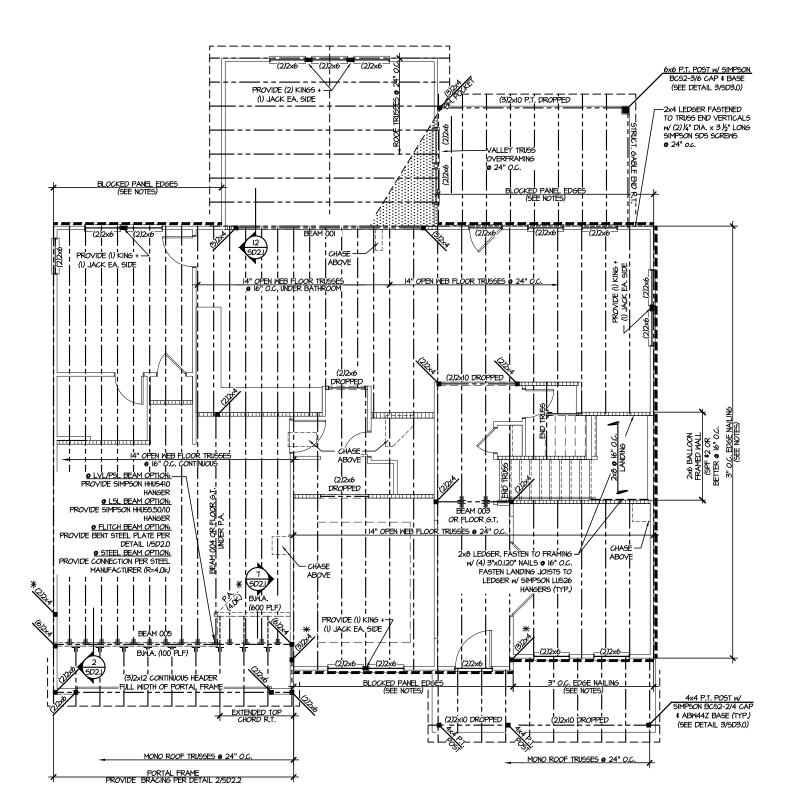
JL METAL HANGER

HONEYCUTT HILL Lot 26 - Stonefield 1 Raleigh, nc



IST FLOOR FRAMING PLAN (CRAWLSPACE) SCALE: 1/8"=1'-0"





2ND FLOOR FRAMING PLAN



SD2.I REFERS TO SD2.IA FOR LVL/PSL/LSL BEAMS OR SD2.IB FOR FLITCH BEAMS OR SD2.IC FOR STEEL BEAMS

LEGEND

- INTERIOR BEARING WALL
- □□□□□ BEARING WALL ABOVE
- BEAM / HEADER
- = = INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- * INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES # SCHEDULES

Engineered beam material schedule						
BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION	
001	(2)134"x16" - D	3½"x16" - D	N/A	(2)2xl2 + (l) %"xl以" STEEL FLITCH PLATES - D	WI2xI4 - D	
002	(2)194"×1176" - D	3½"xll%" - D	(3)1%"×11%" - D	(2)2xl2 + (I) ¼"xll¼" 5TEEL FLITCH PLATES - D	WI2xI4 - D	
003	(2)13/4"×14" - F	3½"x 4" - F	(2)13/4"x14" - F	(2)2xi2 + (i) ¼"xil¼" STEEL FLITCH PLATES - F	WI2xI4 - F	
004	(2)1%"x14" - F	3½"x 4" - F	(3)19/4"×14" - F	(2)2x12 + (1) %"x1以" 5TEEL FLITCH PLATES - F	WI2xI4 - F	
005	(3)1¾"x18" - FT	5¼"xl8" - FT	N/A	(3)2xl2 + (2) %"xll4" STEEL FLITCH PLATES - F	WI2x26 - F	
006	(3)1¾"x18" - FT	5¼"xl0" - FT	N/A	(3)2xl2 + (2) %"xll4" STEEL FLITCH PLATES - F	WI2x26 - F	
001	(2)13/4"×14" - F	3½"xi4" - F	(2)13/4"x14" - F	(2)2xi2 + (i) ¼"xil¼" STEEL FLITCH PLATES - F	WI2xI4 - F	
000	(2)134"×14" - F	3½"xi4" - F	(2)13/4"×14" - F	(2)2xi2 + (i) ¼"xil¼" 5TEEL FLITCH PLATES - F	WI2xI4 - F	
009	(2)194"×94" - D	3½"×9¼" - D	(2)134"×944" - D	(2)2x10 + (1) 以"x4以" STEEL FLITCH PLATES - D	WI0x12 - D	
010	(2)134"×16" - H	3½"x16" - H	(3)13/4"x16" - H	(3)2xi2 + (2) 片"xi片" STEEL FLITCH PLATES - H	N/A	
OII	(2)13/4"x113/6" - D	3½"xll%" - D	(3)1¾"x11%" - D	(2)2xi2 + (i) ¼"xil¼" STEEL FLITCH PLATES - D	WI2xI4 - D	
012	(3)134"x16" - D	5¼"x16" - D	(4) 34"x 6" - D	(3)2xi2 + (2) ½"xil¼" Steel Flitch Plates - D	WI2xI4 - D	
013	(2)13/4"x113/6" - D	3½"xll%" - D	(3)1¾"x11%" - D	(2)2x12 + (1) ¼"xII¼" STEEL FLITCH PLATES - D	WI2xI4 - D	
014	(2)134"x16" - D	3½"x16" - D	(3)134"x16" - D	(3)2xl2 + (2) %"xll以" STEEL FLITCH PLATES - D	WI2xI4 - D	
015***	(3)13/4"x117/6" - D	N/A	(3)13/4"×113/6" - D	(3)2xl2 + (2) ¼"xll¼" 5TEEL FLITCH PLATES - D	WI2xI4 - D	
016	(2)1¾"×11%" - F	3½"x ½" - F	(3)1¾"x11%" - F	(2)2xl2 + (I) 从"xll从" STEEL FLITCH PLATES - F	WI2xI4 - F	

- BEAM NOTATION:
 "F" INDICATES FLUSH BEAM
 "FT" INDICATES FLUSH TOP BEAM
- "FB" INDICATES FLUSH BOTTOM BEAM
- "D" INDICATES DROPPED BEAM
 "H" INDICATES DROPPED OPENING HEADER

- REFER TO DETAIL D/SD20 FOR TYPICAL FLITCH BEAM CONNECTIONS
 REFER TO DETAIL E/SD20 FOR TYPICAL STEEL BEAM CONNECTIONS
 FOR FLUSH TOP BEAMS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D, FASTEN
- PLATES IN SUCCESSION W/ (2) 3"X0.120" NAILS @ 8" O.C. FOR FLUSH BOTTOM BEAMS PROVIDE 2X STACKED PLATES ATOP BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION w/ (2) 3"X0,120" NAILS • 8" O.C.
- *** SEE PLAN FOR EXTENT OF 3-PLY BEAM

MULHERN+KULP

SESIDENTIAL STRUCTURAL ENSINEERING

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11/4/24



M&K project number: 126-2304

KJN ssue date: 10-30-24 REVISIONS

initial:

PLANS RAMING

HONEYCUTT HILL Lot 26 - Stonefield 1 Raleigh, nc

M&K project number: 126-23047

project mgr: JTF drawn by: KJN issue date: 10-30-24

REVISIONS:

te: initial:

OMES

ROOF FRAMING PLANS

HONEYCUTT HILLS
LOT 26 - STONEFIELD 1
RALEIGH, NC

REFER TO SO.O FOR
TYPICAL STRUCTURAL NOTES
\$ SCHEDULES

\$ \$CHEDULES

LEGEND

• === INDICATES SHEAR WALL & EXTENT
• EXTENT OF OVERFRAMING

* INDICATES POST ABOVE, PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

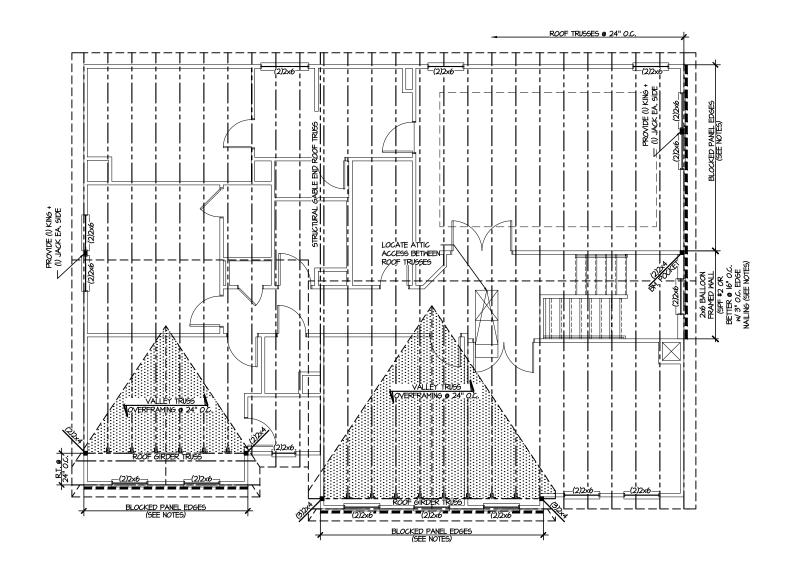
INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

• IIIIIII INTERIOR BEARING WALL

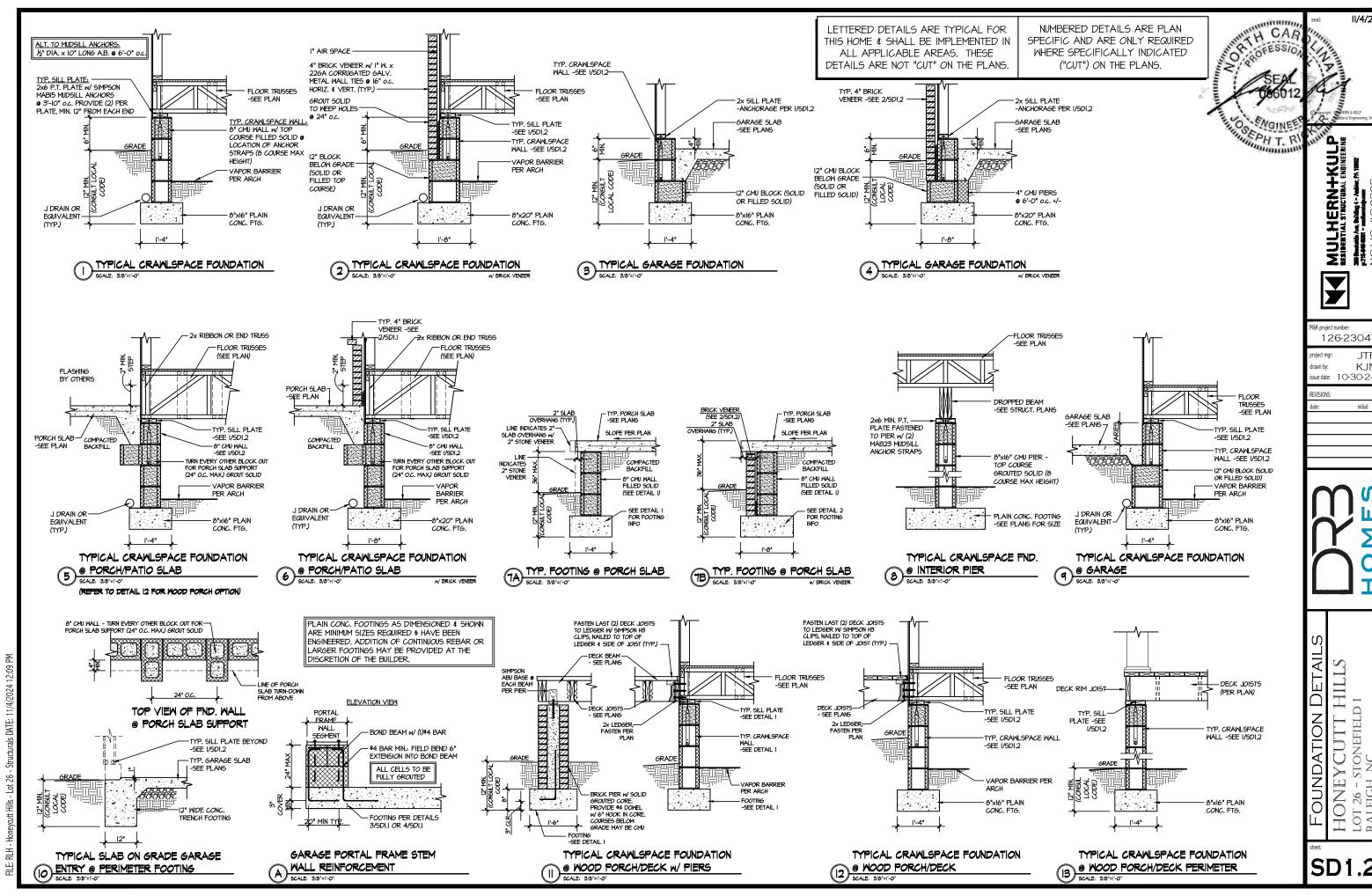
□===□ BEARING WALL ABOVE

• ---- BEAM / HEADER

JL METAL HANGER







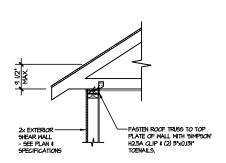
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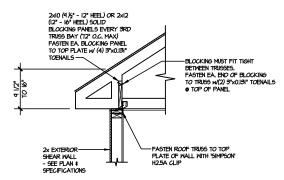




TYPICAL SHEAR

TRANSFER DETAIL @ ROOF

SCALE: 3/8'=1'-0' HEEL HEIGHT LESS THA HEEL HEIGHT LESS THAN 9 ½" NO BLOCKING REQ'D



TYPICAL SHEAR

TRANSFER DETAIL @ ROOF

SCALE: 3/8":1"-0" HEEL HEIGHT BETWEEN 9.1 HEEL HEIGHT BETWEEN 4½" - 16" BLOCKING REQTO



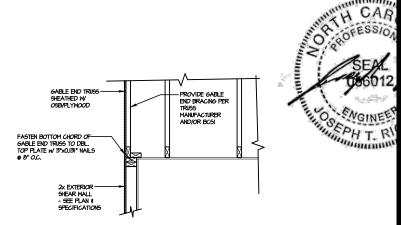
- OSB/PLYWOOD SHEATHING UF VERTICALS OF ROOF TRUSSES, & FASTEN W/ 23/6"x0.120" NAILS @ 6" O.C.

- 2x BLK'6 IN EA, TRUSS BAY FASTENED TO DBL TOP PLATE w/ (3) 3"x0,131" NAILS,

-FASTEN ROOF TRUSS TO TOP PLATE OF WALL WITH "SIMPSON" H2.5A CLIP & (2) 3"X0.131" TOENAILS.

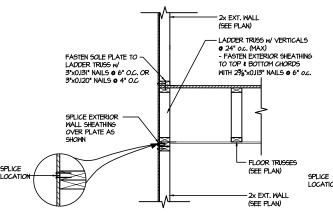
2x Blk'6 to fit tight in Ea. Trigs bay fastened to Trigs w/(2) 3"x0.131" Toenails @ Ea. End.

2x EXTERIOR — SHEAR WALL - SEE PLAN & SPECIFICATIONS

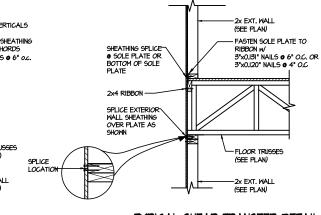


TYPICAL GABLE END DETAIL

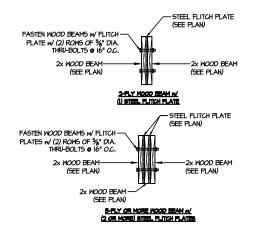
SCALE: 3/6"=1"-0"



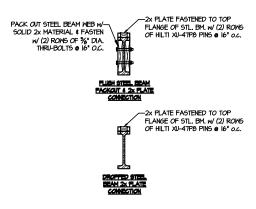
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL



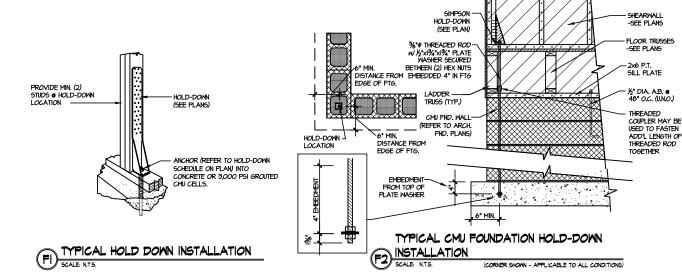
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL



TYPICAL FLITCH BEAM CONNECTION DETAIL SCALE 944-11-0*



TYPICAL STEEL BEAM CONNECTION DETAIL SCALE SIAN-ING!



LETTERED DETAILS ARE TYPICAL FOR THIS HOME & SHALL BE IMPLEMENTED IN ALL APPLICABLE AREAS. THESE DETAILS ARE NOT "CUT" ON THE PLANS.

NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.

HONEYCUTT HILL LOT 26 - STONEFIELD 1 RALEIGH, NC DETAILS Ŋ

LOT 26 - S RALEIGH,

11/4/24

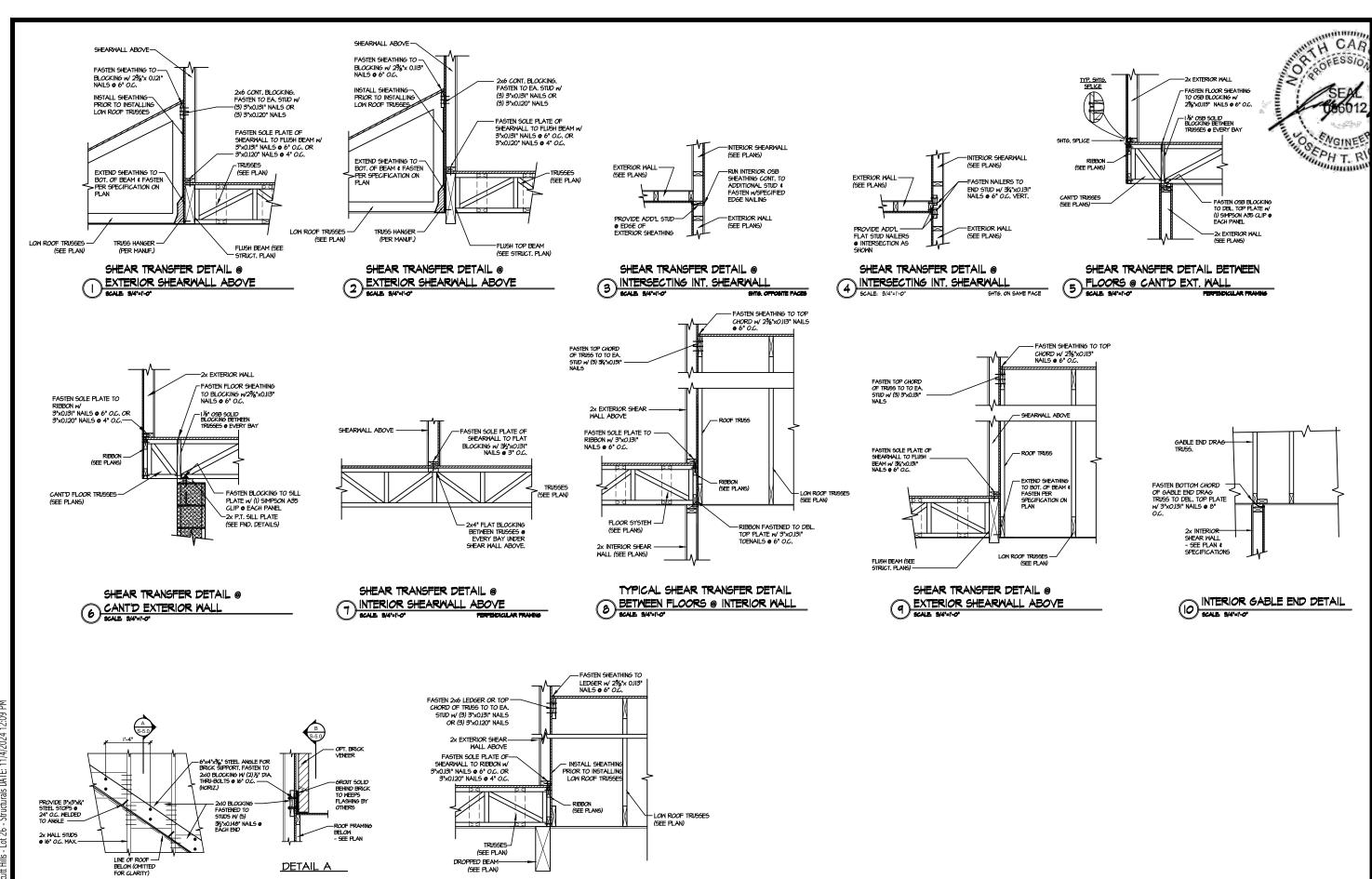
MULHERN+KU

M&K project number: 126-2304

issue date: 10-30-24

initial:

łrawn by:



TYPICAL SHEAR TRANSFER DETAIL

BETWEEN FLOORS @ INTERIOR WALL

DETAIL B

DETAIL SUPPORT OF BRICK VENEER

SD2.1A

HONE

'AILS

SYCUTT STONEFIELI 1. NC

LOT 26 -Raleigh

11/4/24

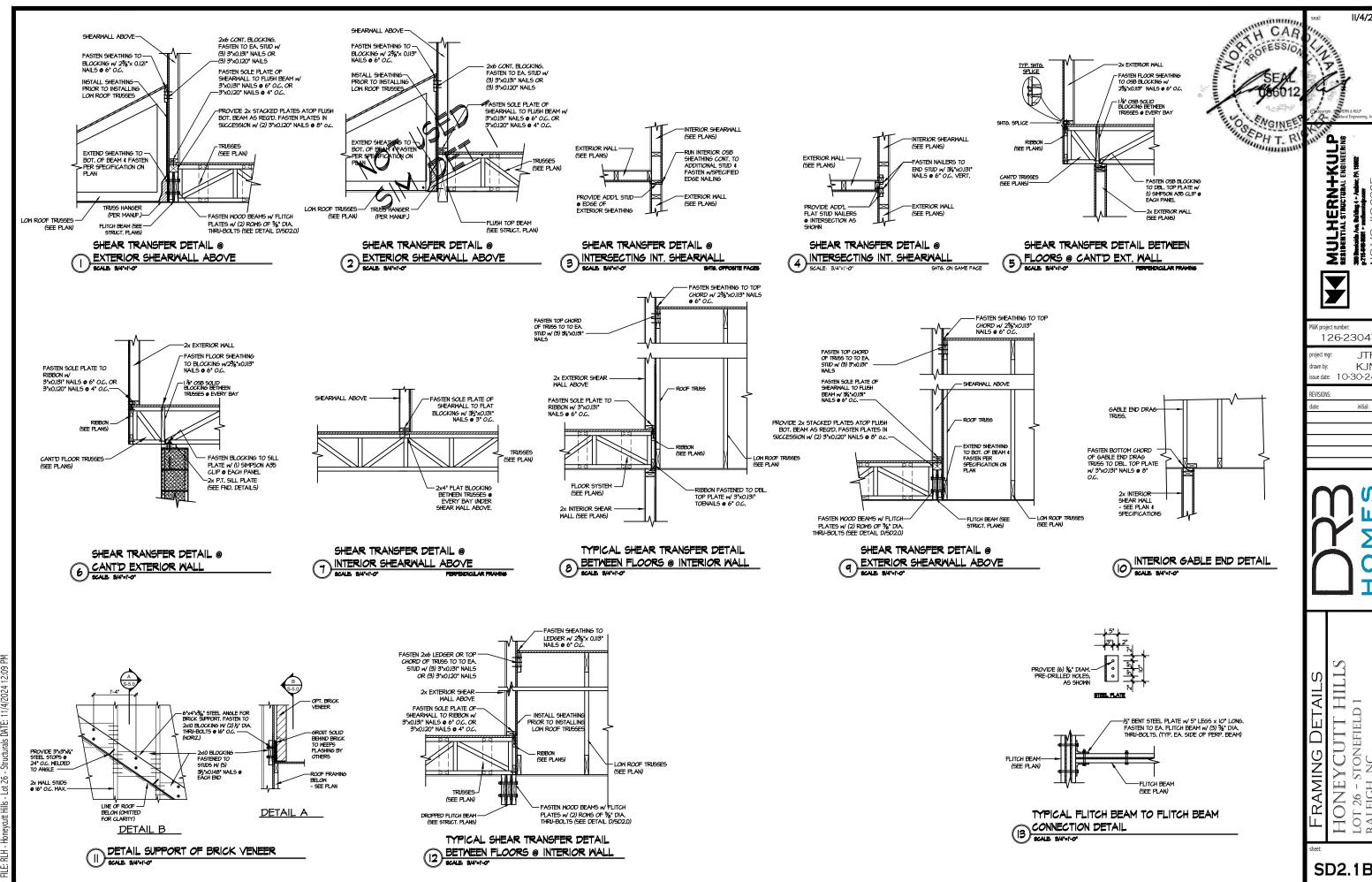
ERN+KUI STRUCTURAL ENGINEEL

M&K project number: 126-2304

issue date: 10-30-24

initial:

łrawn by:



SD2.1B

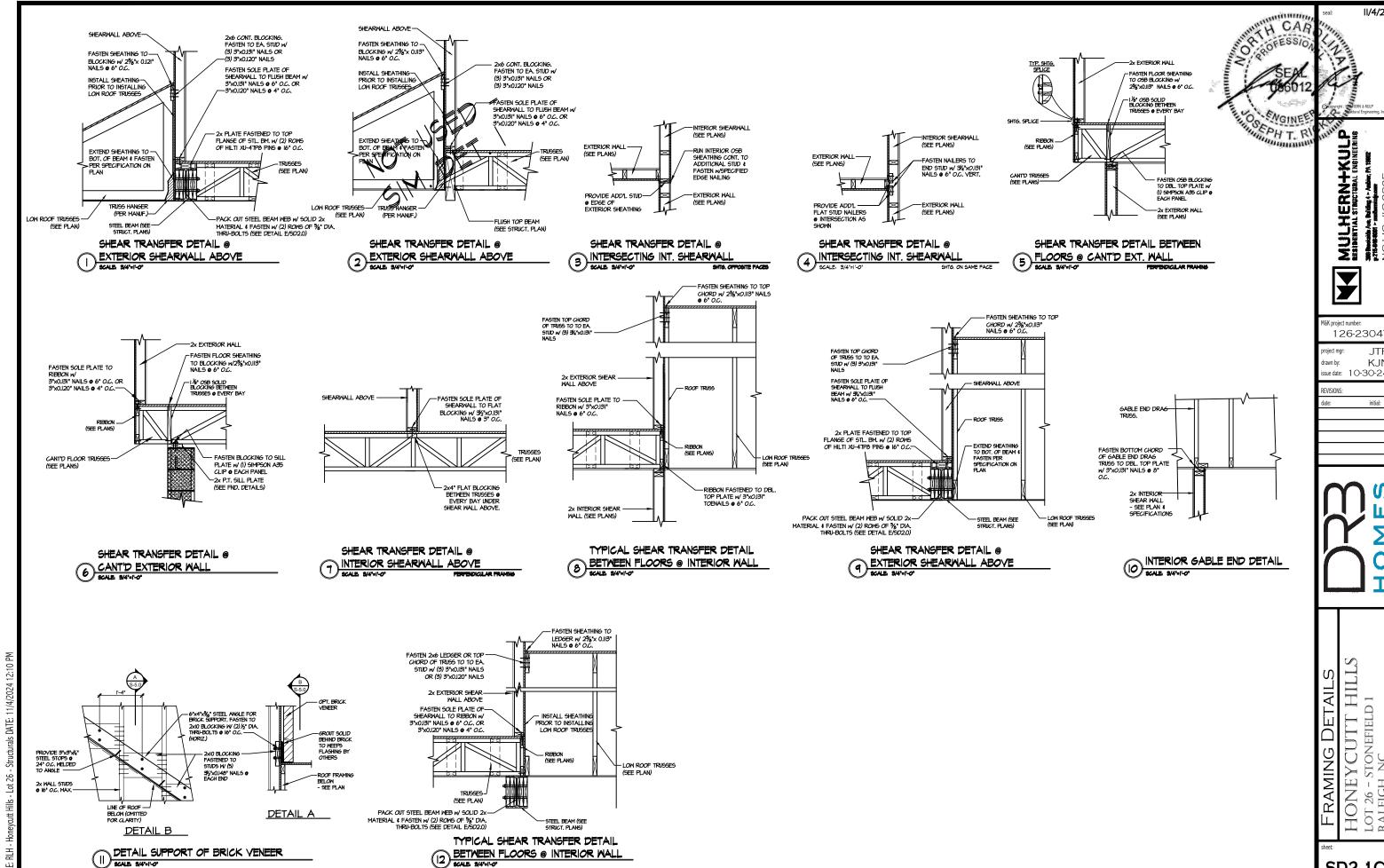
HONE LOT 26 -Raleigh

H

 \Box

YCUTT STONEFIELI I. NC

11/4/2



SD2.1C

HONE

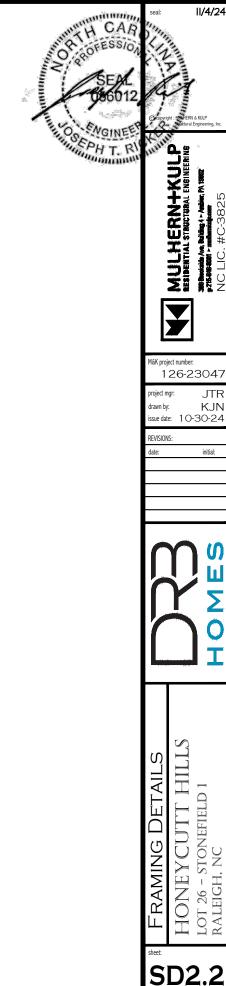
H

 \Box

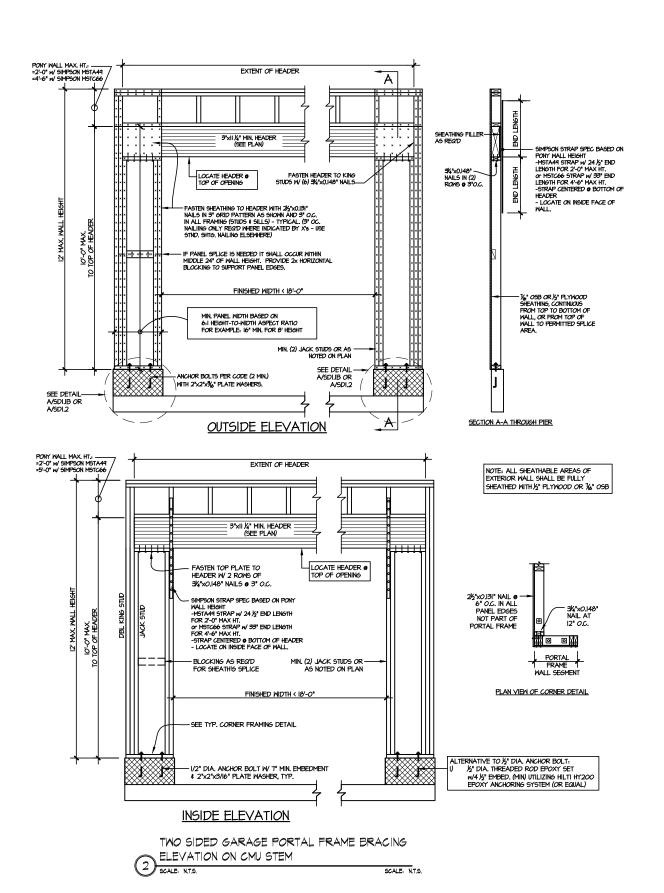
YCUTT STONEFIELI I. NC

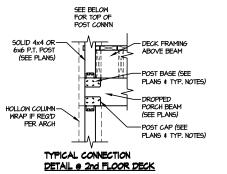
LOT 26 -Raleigh

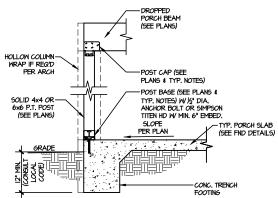
11/4/24



11/4/24









Y

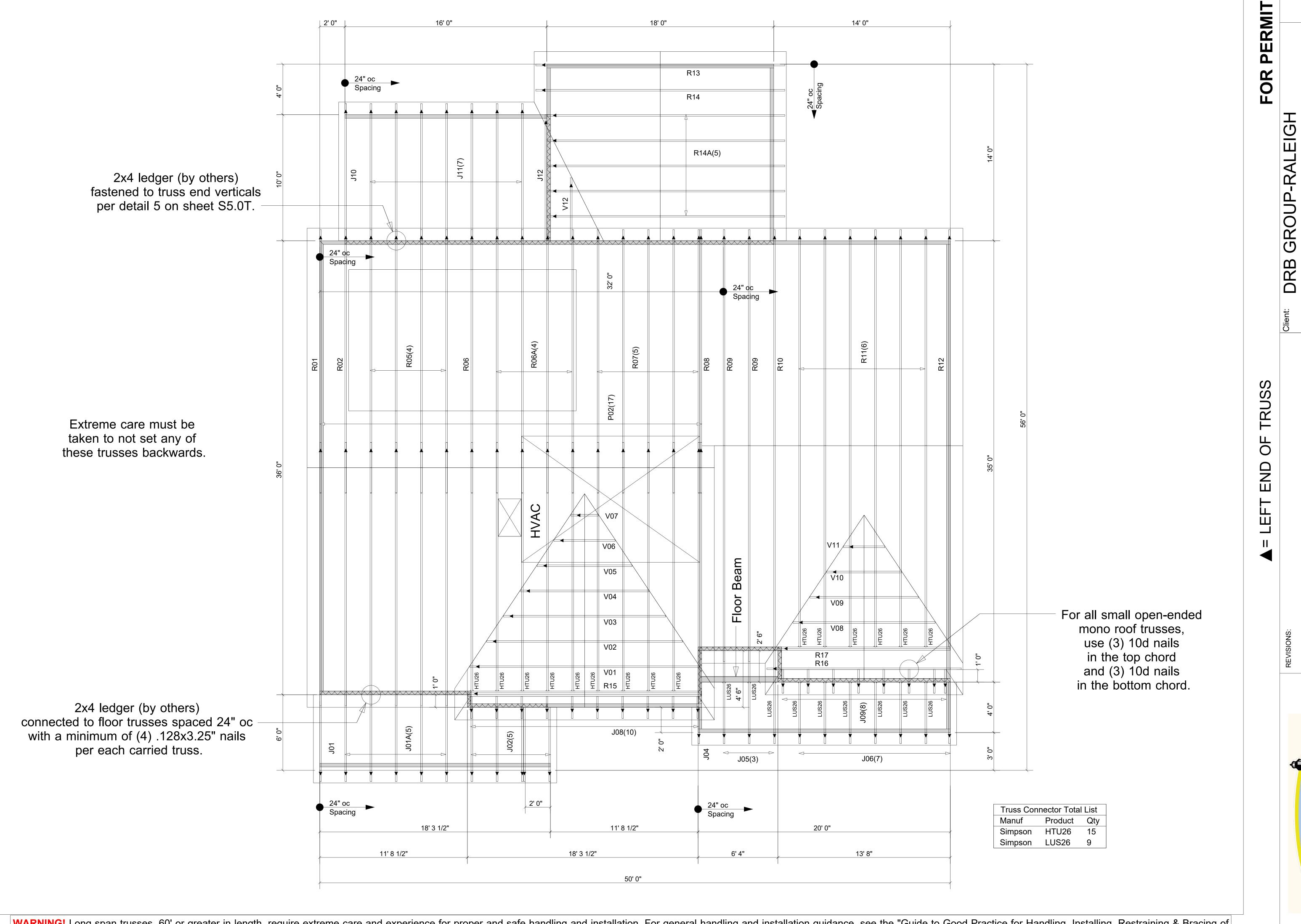
M&K project number: 126-23047

issue date: 10-30-24

initial:

drawn by:

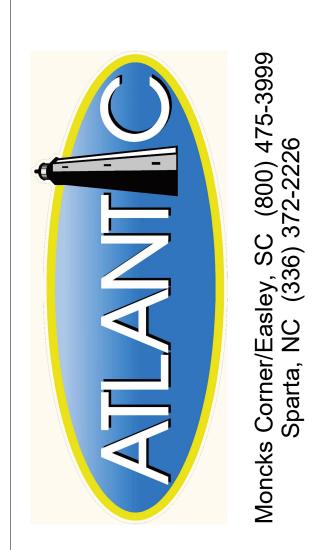
HONEYCUTT HILLS Lot 26 - Stonefield 1 Raleigh, nc FRAMING DETAILS

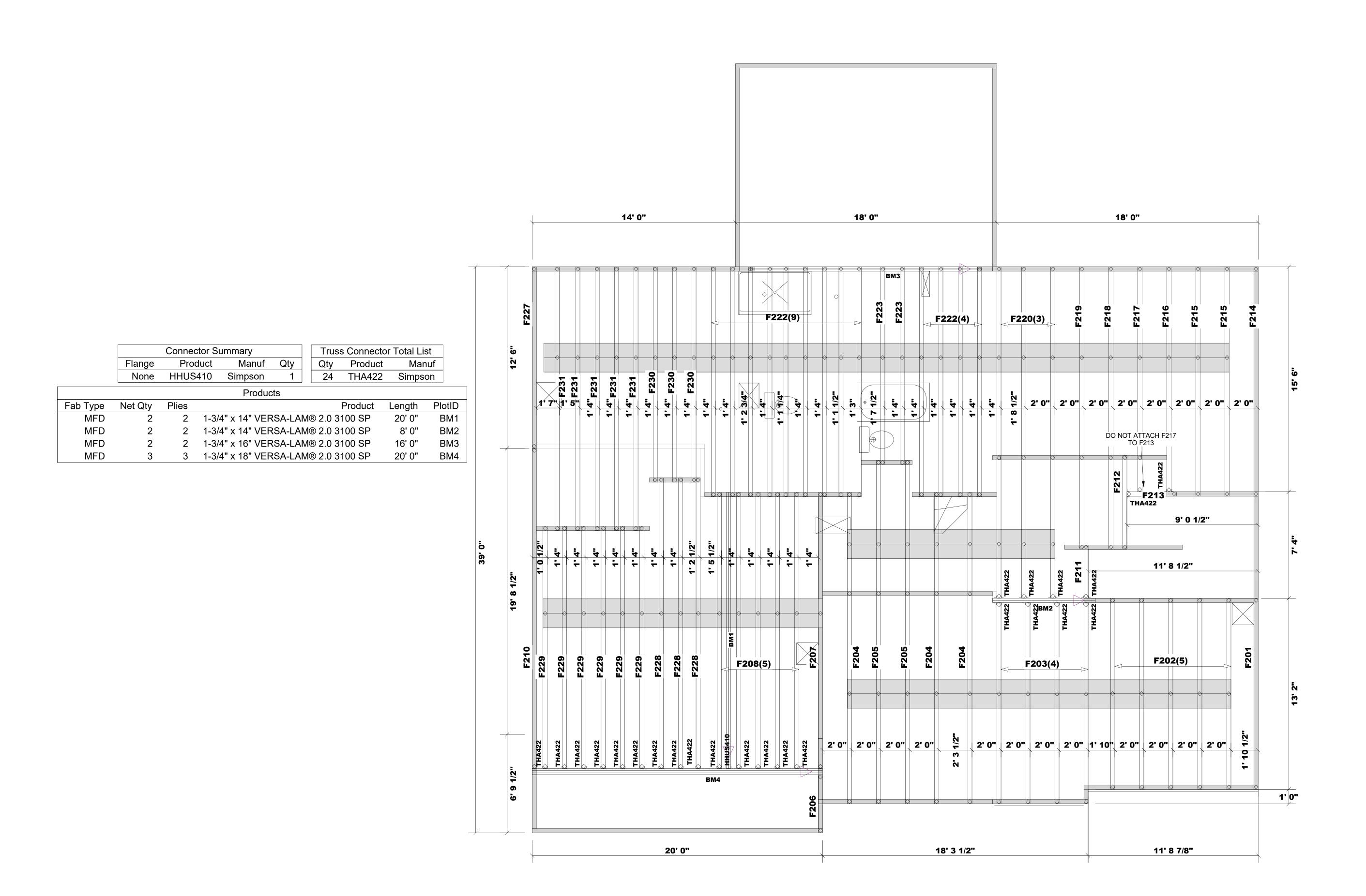


Date: 10/25/24 Job #: 24-9455-R01 0.0026 ONEFIELD DRB NOT TO SCALE

Drawn By:

ROOF





FOR PERMIT Sales Rep: KYLE GIBSON Phone: 864-304-3282 0.0026 HONEYCUTT Date: 10/25/24 Job #: 24-9455-F02 ONEFIELD LOT TO SCALE NOT TO Son Drawn By: **TRUSS** OF END LEFT

FLOOR





FLOOR

STONEFIELD-

Date: 10/25/24 Job #: 24-9455-F01

NOT TO SCALE

Drawn By:

WARNING! Long span trusses, 60' or greater in length, require extreme care and experience for proper and installation. For general handling and installation guidance, see the "Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), JOINTLY PRODUCED BY SBCA and TPI. For project specific guidance, consult with a registered design professional. ATLANTIC assumes no responsibility for the handling, installation or bracing of trusses.