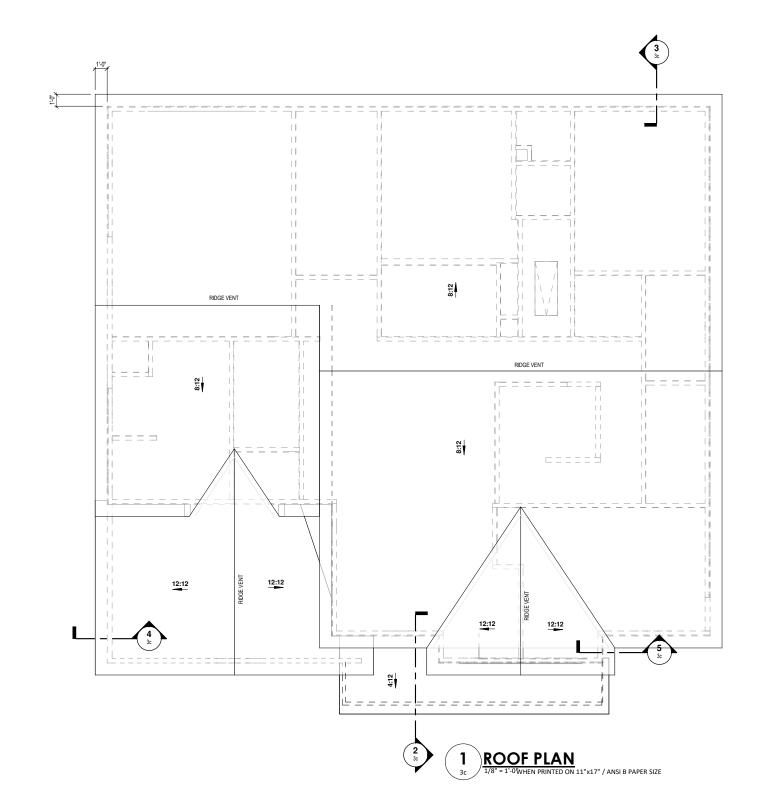


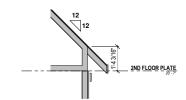


Roof Vent Calculations

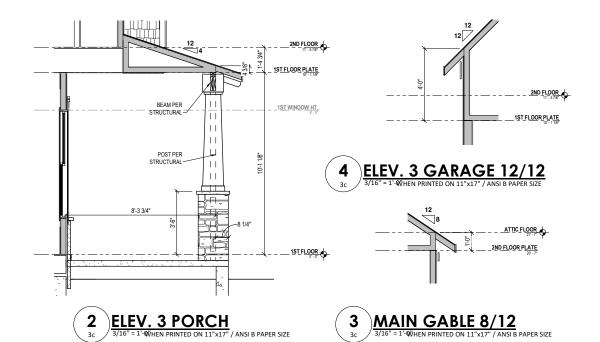
SQFT. REQUIRED <u>2,637</u> /150 =

17 58 SQF





5 2ND FLOOR 12/12 GABLE
3/16" = 1'-00'HEN PRINTED ON 11"x17" / ANSI B PAPER SIZE





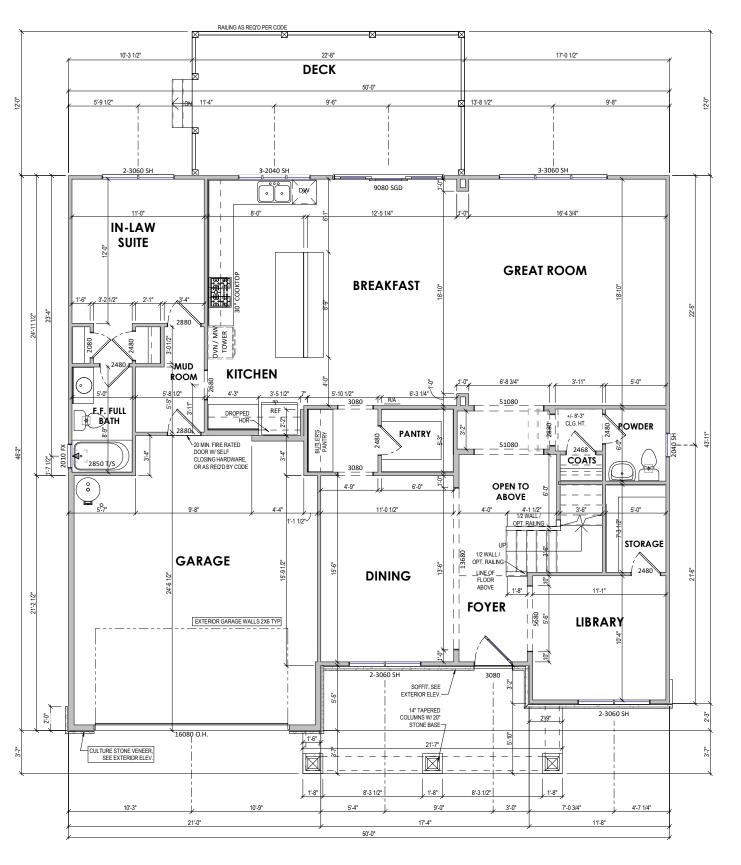
Statesville 10' LH - OYL MGA 56

Caruso Homes, NC Roof Plan Elevation 3

: 03/05/2025 m By: RDC

Checked By: SGM





1 FIRST FLOOR

5c 1/8" = 1'-0WHEN PRINTED ON 11"x17" / ANSI B PAPER SIZE



Statesville 10' LH - OYL MGA 56

Caruso Homes, NC

First Floor Plan Elevation 3

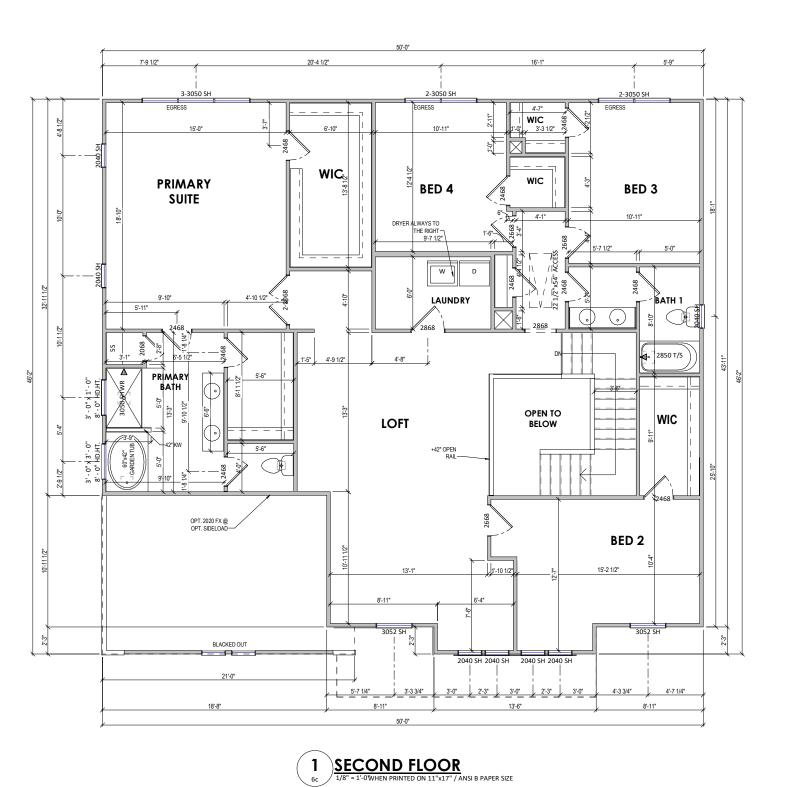
DC Caruso Ho

Date: 03/05/2025

Drawn By: RDC

Checked By: SGM

Version 1.4



CARUSO Homes

Statesville 10' LH - OYL MGA 56

Caruso Homes, NC

Second Floor Plan Elevation 3

Checked By: SGM

03/05/2025 By: RDC

Date: 03/05 Drawn By:

OPT. DECK UP TO FLOOD CLG 🖔

1
11
FIRST FLOOR ELECTRICAL
1/8" = 1'-0'WHEN PRINTED ON 11"x17" / ANSI R PAPER SIZE

Version 1.4

E	LECTRIC	AL LE	GEND
\$	SINGLE POLE SWITCH	₫.	DOOR BELL BUTTON
દ્	3-WAY SWITCH	CHIME	DOOR BELL CHIME
₽	4-WAY SWITCH	6	GARAGE DOOR
₫	DIMMER SWITCH	GDO	GARAGE DOOR
₹ 220	220 VOLT OUTLET	WPGFI	OPENER WEATHERPROOF
В	DUPLEX OUTLET	d CLG	CEILING OUTLET
∯ GFI	GROUND FAULT	∯ FLR	FLOOR OUTLET
S	OUTLET SMOKE DETECTOR	cs	CARBON MONOXIDE
©	CARBON MONOXIDE DETECTOR	DATA	№M® ®RK OUTLET
₩	TELEVISION OUTLET	∆ PH	TELEPHONE OUTLET
PANEL	SERVICE PANEL	0	GARBAGE DISPOSAL
M	SERVICE METER	ACCENT	ACCENT LIGHT
<u></u>	WALL MOUNT LIGHT	₹	SINGLE SCONCE
FLOOD	FLOOD LIGHT	α <u>a</u>	DOUBLE SCONCE
3 BULB	STRIP LIGHT	STR	STAIR LIGHT
•	BATH FAN & LIGHT	+	BATH FAN
CASTER	COMBO CLOSET CASTER LIGHT	ÜC	UNDER CABINET
-60-	PULL CHAIN LIGHT	-¢-	KEYLESS LIGHT
\(\rightarrow \)	FLUSH MOUNT LIGHT	HANGING	HANGING LIGHT
PNDT	HANGING PENDANT	MINI	MINIATURE PUCK
\$	RECESSED CAN LIGHT	EB	RECESSED EYEBALL
-	FLUORESCENT LIGHT RECTANGULAR	•	FOORESCENT LIGHT
D CF		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
//	CEILING FAN	✓ <	LIGHT w/ FAN
9 LC	CIF .	LC	ROUGH F DUGH
	LIGHTED CEILING	\\ \ \\\	LIGHT & FAN
	FAN		ROUGH



Statesville 10' LH - OYL MGA 56

Caruso Homes, NC

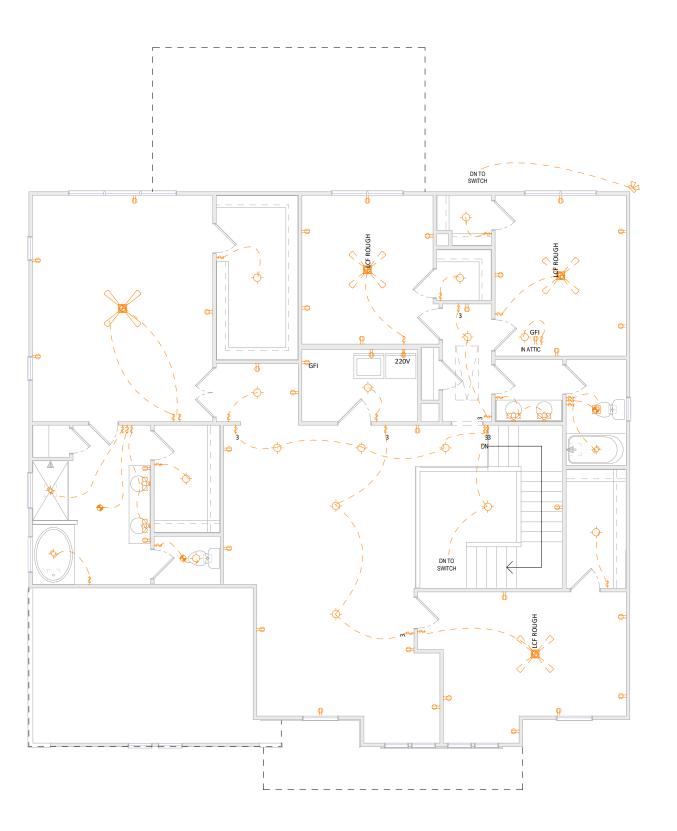
First Floor Electrical

03/05/2025 By: RDC

Drawn By: RDC Checked By: SGM

Date: 03,

11



SECOND FLOOR ELECTRICAL

1/8" = 1'-0'WHEN PRINTED ON 11"x17" / ANSI B PAPER SIZE

Version 1.4

E	ELECTRICA	AL LE	GEND
\$	SINGLE POLE SWITCH	ÓВ	DOOR BELL BUTTON
Ę	3-WAY SWITCH	CHIME	DOOR BELL CHIME
⋫	4-WAY SWITCH	GD	GARAGE DOOR
Q	DIMMER SWITCH	GDO	BUTTON GARAGE DOOR
∛ 220	220 VOLT OUTLET	₩ WPGFI	OPENER WEATHERPROOF
Я	DUPLEX OUTLET	d CLG	OUTLET CEILING OUTLET
∯ GFI	GROUND FAULT	∯ FLR	FLOOR OUTLET
S	SMOKE DETECTOR	(CS	CARBON MONOXIDE
©	CARBON MONOXIDE DETECTOR	DATA	№№ 0rk outlet
ŧν	TELEVISION OUTLET	∆ PH	TELEPHONE OUTLET
PANEL	SERVICE PANEL	0	GARBAGE DISPOSAL
M	SERVICE METER	ACCENT	ACCENT LIGHT
	WALL MOUNT LIGHT	₹	SINGLE SCONCE
FLOOD	FLOOD LIGHT	α <u>α</u>	DOUBLE SCONCE
3 BULB	STRIP LIGHT	STR	STAIR LIGHT
(BATH FAN & LIGHT	*	BATH FAN
CASTER	COMBO CLOSET CASTER LIGHT	UC	UNDER CABINET
-6 0-	PULL CHAIN LIGHT	- (k)-	LIGHT KEYLESS LIGHT
ф	FLUSH MOUNT LIGHT	HANGING	HANGING LIGHT
∳ PNDT	HANGING PENDANT	ø MINI	MINIATURE PUCK
\$	RECESSED CAN LIGHT	⇔ EB	LIGHT RECESSED EYEBALL
ф	FLUORESCENT LIGHT RECTANGULAR	•	ROUND RESCENT LIGHT
CF	>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
<u> </u>	CEILING FAN		LIGHT w/ FAN
O LO	CF CF	LC	ROUGH F DUGH
<u> </u>	LIGHTED CEILING FAN	V "	LIGHT & FAN



Statesville 10' LH - OYL MGA 56

Caruso Homes, NC

Second Floor Electrical

03/05/2025

Checked By: SGM

NOTE: THIS SHEET IS AN ARCHTIECTURAL FOUNDATION SHEET INTENDED ONLY FOR EXTERIOR DIMENSIONS AND/OR VENTILATION REQUIREMENTS/SPECIFICATIONS.

SEE SEALED STRUCTURAL PAGE FOR INFORMATION REGARDING, BUT NOT LIMITED TO, FOOTING LOCATIONS AND SPECIFICATIONS, PIER LOCATIONS AND SPECIFICATIONS, DECK FRAMING, AND COMPACTION

Crawl Vent Calculations

SQFT. OF VENTILATION REQ'D = 1701 CRAWL SQFT. /1500 = 1.14 SQFT.

NUMBER OF VENTS REQ'D = 1.14 / 0.45 SQFT. PER VENT 3 VENT

VENT SHALL BE PLACED WITHIN AT LEAST 3'-0" FROM EACH FOUNDATION CORNER.

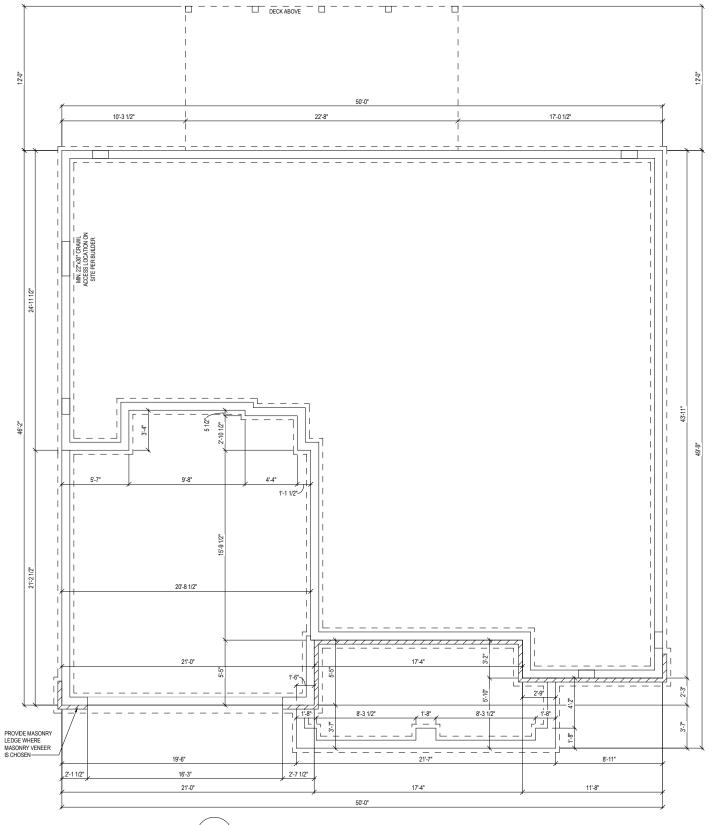
OF CORNERS EFFECTED = $\underline{5}$

NUMBER OF CORNERS IS GREATER THAN SQUARE FOOTAGE REQUIREMENTS, THEREFORE THE NUMBER OF FOUNDATION VENTS REQUIRED IS = <u>5 VENTS</u>

BASED ON TYPICAL AUTOMATIC FOUNDATION VENT HAVING 65 SQ. INCHES OF VENTING CONTRACTOR TO CONFIRM ACTUAL VENTS USED AND ADJUST AS NEEDED IN FIELD.

NOTE: PLANSOURCE DESIGNS IS NOT RESPONSIBLE
FOR THE STRUCTURAL CALCULATIONS FOR THIS
CONSTRUCTION PLAN SET. ALL STRUCTURAL
DESIGN ELEMENTS, INCLUDING BUT NOT LIMITED TO,
BEAM SIZES, FLOOR SPANS, STUD COLUMNS AND
FOOTING SIZES, ARE TO BE THE RESPONSIBILITY OF
THE BUILDER AND/OR ENGINEER

Version 1.4



1

1/8" = 1'-0'WHEN PRINTED ON 11"x17" / ANSI B PAPER SIZE



Statesville 10' LH - OYL MGA 56 Caruso Homes, NC

Crawl Foundation

Date: 03/05/2025

Drawn By: sgm

Checked By: sgm



1900 AM DRIVE, SUITE 201, QUAKERTOWN, PA 18951 (215) 804 - 4449 www.kse-eng.com

STATESVILLE OYL MGA LOT #56

RALEIGH, NORTH CAROLINA

THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH AND COORDINATED WITH THE ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. THIS COORDINATION IS NOT THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD (SER). SHOULD ANY DISCREPANCIES BECOME APPARENT, THE CONTRACTOR LISTED ON THESE DOCUMENTS THAT THESE DOCUMENTS BE ACCURATE, PROVIDING LICENSED PROFESSIONALS SUBCONTRACTORS ARE REQUIRED TO REVIEW ALL OF THE INFORMATION CONTAINED IN THESE DOCUMENTS PRIOR TO THE COMMENCEMENT OF ANY WORK. THE ENGINEER IS NOT RESPONSIBLE FOR ANY PLAN ERRORS, OMISSIONS, OR MISINTERPRETATIONS UNDETECTED AND NOT REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION. ALL CONSTRUCTION MUST BE IN ACCORDANCE TO THE INFORMATION FOUND IN THESE DOCUMENTS.

DESIGN SPECIFICATIONS:

DESIGN BUILDING CODE (REFERRED TO HEREIN AS 'THE BUILDING CODE'):

• 2018 NORTH CAROLINA RESIDENTIAL CODE. WALL BRACING PER INTERNATIONAL RESIDENTIAL CODE 2015 EDITION.

DESIGN LIVE LOADS:

• ROOF = 20 PSF (LOAD DURATION FACTOR=1.25)

- UNINHABITABLE ATTICS WITH LIMITED STORAGE = 20 PSF (WHERE SPECIFIED ON PLANS)
- HABITABLE ATTICS AND ATTICS SERVED WITH FIXED STAIRS = 30 PSF
- FLOOR = 40 PSF
- FLOOR (SLEEPING AREAS) = 30 PSF
- DECK = 40 PSF
- BALCONY = 40 PSF
- STAIRS = 40 PSF

DESIGN DEAD LOADS:

■ ROOF TRUSS = 17 PSF (TC=7, BC=10)

- FLOOR TRUSS = 15 PSF (TC=10, BC=5)
- FLOOR JOIST = 10 PSF
- STANDARD BRICK = 40 PSF
- QUEEN ANNE BRICK = 25 PSF
- TILE = 10 PSF (WHERE NOTED ON PLANS)

NOTE: STRUCTURAL FRAMING HAS NOT BEEN DESIGNED FOR GRANITE, MARBLE OR OTHER MATERIALS HEAVIER THAN THE ABOVE LOADING UNLESS SPECIFICALLY NOTED ON PLANS..

DESIGN WIND LOADS:

- ULTIMATE WIND SPEED = 120 MPH
- EXPOSURE CATEGORY = B

ASSUMED SOIL BEARING CAPACITY = 2000 PSF

ASSUMED LATERAL SOIL PRESSURE = 60 PCF

FROST DEPTH = 12"

SEISMIC DESIGN CATEGORY = B

ENGINEERED LUMBER SHALL HAVE THE FOLLOWING MINIMUM DESIGN VALUES:

- TJI 210 SERIES (SERIES AND SPACING PER PLANS)
- LSL: E=1,550,000 PSI, $F_B=2,325$ PSI, $F_V=310$ PSI, $F_C=900$ PSI
- LVL: E=2,000,000 PSI, $F_B=2,600$ PSI, $F_V=285$ PSI, $F_C=750$ PSI • PSL: E=2,000,000 PSI, $F_B=2,900$ PSI, $F_V=290$ PSI, $F_C=625$ PSI





Project #: 108-20004

Designed By: AAM

Checked By: KRK Issue Date: 3/24/25

994

MGA

Sheet

Re-Issue: Scale:

NC Firm #C-2101



GENERAL STRUCTURAL NOTES:

- 1. THE DESIGN PROFESSIONAL WHOSE SEAL APPEARS ON THESE DRAWINGS IS THE STRUCTURAL ENGINEER OF RECORD (SER) FOR THIS PROJECT. THE SER BEARS THE RESPONSIBILITY OF THE PRIMARY STRUCTURAL ELEMENTS AND THE PERFORMANCE OF THIS STRUCTURE NO OTHER PARTY MAY REVISE, ALTER, OR DELETE ANY STRUCTURAL ASPECTS OF THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN CONSENT OF KSE ENGINEERING, P.C. OR THE SER. FOR THE PURPOSES OF THESE CONSTRUCTION DOCUMENTS, THE SER AND KSE ENGINEERING SHALL BE CONSIDERED THE SAME ENTITY.
- THE STRUCTURE IS ONLY STABLE IN ITS COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY BRACING DURING CONSTRUCTION TO STABILIZE THE STRUCTURE.
- 3. THE SER IS NOT RESPONSIBLE FOR CONSTRUCTION SEQUENCES, METHODS, OR TECHNIQUES IN CONNECTION WITH THE CONSTRUCTION OF THIS STRUCTURE. THE SER WILL NOT BE HELD RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CONFORM TO THE CONTRACT DOCUMENTS, SHOULD ANY NON-CONFORMITIES OCCUR.
- 4. THE SER DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF GEOMETRY. THE SER ASSUMES NO LIABILITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THE PLANS. THE SER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTED ON THE PLANS.
- 5. ANY STRUCTURAL ELEMENTS OR DETAILS NOT FULLY DEVELOPED ON THE CONSTRUCTION DRAWINGS SHALL BE COMPLETED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THESE SHOP DRAWINGS SHALL BE SUBMITTED TO KSE ENGINEERING FOR REVIEW BEFORE ANY CONSTRUCTION BEGINS. THE SHOP DRAWINGS WILL BE REVIEWED FOR OVERALL COMPLIANCE AS IT RELATES TO THE STRUCTURAL DESIGN OF THIS PROJECT. VERIFICATION OF THE SHOP DRAWINGS FOR DIMENSIONS, OR FOR ACTUAL FIELD CONDITIONS, IS NOT THE RESPONSIBILITY OF THE SER OR KSE ENGINEERING, P.C.
- 6. VERIFICATION OF ASSUMED FIELD CONDITIONS IS NOT THE RESPONSIBILITY OF THE SER. THE CONTRACTOR SHALL VERIFY THE FIELD CONDITIONS FOR ACCURACY AND REPORT ANY DISCREPANCIES TO KSE ENGINEERING, P.C. BEFORE CONSTRUCTION BEGINS.
- 7. THE SER IS NOT RESPONSIBLE FOR ANY SECONDARY STRUCTURAL ELEMENTS OR NON-STRUCTURAL ELEMENTS, EXCEPT FOR THE ELEMENTS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS.
- 8. THIS STRUCTURE AND ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE SECTIONS OF THE BUILDING CODE AND ANY LOCAL CODES OR RESTRICTIONS.
- 9. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. ALL DIMENSIONS ARE TO FACE OF STUD OR TO FACE OF FRAMING UNLESS OTHERWISE NOTED.
- 10. PROVIDE MOISTURE PROTECTION AND FLASHING PER ARCHITECTURAL DETAILS.

- 1. FOUNDATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 4 OF THE BUILDING CODE
- 2. CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE SUITABILITY OF THE SITE SOIL CONDITIONS AT THE TIME OF CONSTRUCTION. THE BUILDER SHALL FURNISH ANY AND ALL REPORTS RECEIVED FROM THE GEOTECHNICAL ENGINEER ON THE STUDY OF THE PROPOSED SITE TO THE DESIGNER, STRUCTURAL ENGINEER, AND GENERAL CONTRACTOR.
- . MAXIMUM DEPTH OF UNBALANCED FILL AGAINST MASONRY WALLS TO BE AS SPECIFIED IN THE BUILDING CODE.
- 4. THE SER HAS NOT PERFORMED A SUBSURFACE INVESTIGATION. VERIFICATION OF THE ASSUMED VALUE IS THE RESPONSIBILITY OF THE OWNER OR THE CONTRACTOR. SHOULD ANY ADVERSE SOIL CONDITION BE ENCOUNTERED, THE SER MUST BE CONTACTED BEFORE PROCEEDING.
- 5. THE BOTTOM OF ALL FOOTINGS SHALL EXTEND BELOW THE FROST LINE FOR THE REGION IN WHICH THE STRUCTURE IS TO BE CONSTRUCTED, BUT NOT LESS THAN A MINIMUM OF 12" BELOW GRADE. ALL FOOTINGS TO HAVE A MINIMUM PROJECTION OF 2" ON EACH SIDE OF FOUNDATION WALLS. MAXIMUM FOOTING PROJECTION SHALL NOT EXCEED THE THICKNESS OF THE FOOTING.
- 6. WOOD SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WITH 1/2" ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT, SPACED A MAXIMUM of 6'-0" o.c. install minimum 2 anchor bolts per section, 12" MASONRY MAXIMUM FROM CORNERS. 1/8" DIAMETER x 8" LONG SIMPSON TITEN HD OR USP SCREW-BOLT+ SCREWS MAY BE SUBSTITUTED ON A 1 FOR 1 BASIS.
- 7. ANY FILL SHALL BE PLACED UNDER THE DIRECTION OR RECOMMENDATION OF A LICENSED PROFESSIONAL ENGINEER. THE RESULTING SOIL SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY.
- 8. EXCAVATIONS OF FOOTINGS SHALL BE LINED TEMPORARILY WITH A 6 MIL POLYETHYLENE MEMBRANE IF PLACEMENT OF CONCRETE DOES NOT OCCUR WITHIN 24 HOURS OF EXCAVATION.
- 9. NO CONCRETE SHALL BE PLACED AGAINST ANY SUBGRADE CONTAINING WATER, ICE, FROST, OR LOOSE MATERIAL. 10. PROVIDE FOUNDATION WATERPROOFING AND DRAIN WITH POSITIVE
- SLOPE TO OUTLET AS REQUIRED BY SITE CONDITIONS (SEE ARCHITECTURAL PLANS AND DETAILS). 11. NONE OF THE FOUNDATION DESIGNS IN THESE DOCUMENTS ARE SUITABLE
- FOR INSTALLATION IN SHRINK/SWELL CONDITIONS. REFER TO GEOTECHNICAL ENGINEER FOR APPROPRIATE DESIGN.
- 12. LOTS SHALL BE GRADED TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE SHALL FALL A MINIMUM OF 6 INCHES WITHIN THE FIRST TEN FEET.
- 13. CRAWL SPACE TO BE GRADED LEVEL AND CLEAR OF ALL DEBRIS. 14. PROVIDE MINIMUM 6 MIL APPROVED VAPOR BARRIER. ALL JOINTS TO BE LAPPED MINIMUM 12" AND SEALED.

CONCRETE & REINFORCING

- 1. CONCRETE DESIGN BASED ON ACI 318 AND ACI 318.1 OR ACI 332. CONCRETE SHALL HAVE A NORMAL WEIGHT AGGREGATE AND A MINIMUM COMPRESSIVE STRENGTH (f'c) = 3,000 PSI MINIMUM AT 28 DAYS PER CODE (VARIES W/ WEATHER), UNLESS OTHERWISE NOTED ON THE PLAN.
- CONCRETE SHALL BE PROPORTIONED, MIXED, AND PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 318: "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND ACI 301: "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
- AIR ENTRAINED CONCRETE MUST BE USED FOR ALL STRUCTURAL ELEMENTS EXPOSED TO FREEZE/THAW CYCLES AND DEICING CHEMICALS. AIR ENTRAINMENT AMOUNTS (IN PERCENT) SHALL BE WITHIN -1% TO +2% OF 5% FOR FOOTINGS AND EXTERIOR SLABS
- NO ADMIXTURES SHALL BE ADDED TO ANY STRUCTURAL CONCRETE WITHOUT WRITTEN PERMISSION OF THE SER. WATER ADDED TO CONCRETE ON SITE SHALL NOT EXCEED THAT ALLOWED BY THE MIX
- 5. CONCRETE SLABS-ON-GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 302.1R: "GUIDE FOR CONCRETE SLAB AND SLAB CONSTRUCTION".
- 6. CONTROL OR SAW CUT JOINTS (CUT OR TOOLED) SHALL BE SPACED IN INTERIOR SLABS-ON-GRADE AT A MAXIMUM OF 15'-0" O.C. AND IN EXTERIOR SLABS-ON-GRADE AT A MAXIMUM OF 10'-0" UNLESS OTHERWISE NOTED. CARE SHALL BE TAKEN TO AVOID RE-ENTRANT CORNERS.
- CONTROL OR SAW CUT JOINTS SHALL BE PRODUCED USING CONVENTIONAL CUT OR TOOLED PROCESSES WITHIN 4 TO 12 HOURS AFTER THE SLAB HAS BEEN FINISHED.
- 8. ALL WELDED WIRE FABRIC (W.W.F.) FOR CONCRETE SLABS—ON—GRADE SHALL BE PLACED AT MID-DEPTH OF SLAB. THE W.W.F. SHALL BE SECURELY SUPPORTED DURING THE CONCRETE POUR. FIBROUS CONCRETE REINFORCEMENT, OR POLYPROPYLENE FIBERS MAY BE USED IN LIEU OF W.W.F. APPLICATION OF POLYPROPYLENE FIBERS PER CUBIC YARD OF CONCRETE SHALL BE PER MANUFACTURER AND COMPLY WITH ASTM C1116, ANY LOCAL BUILDING CODE REQUIREMENTS AND SHALL MEET OR EXCEED CURRENT INDUSTRY STANDARD
- POLYPROPYLENE REINFORCING TO BE 100% VIRGIN, CONTAINING NO REPROCESSED OLEFIN MATERIALS AND SPECIFICALLY MANUFACTURED FOR USE AS CONCRETE SECONDARY REINFORCEMENT.
- 10. STEEL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615, GRADE 60.
- 11. DETAILING, FABRICATION, AND PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315: "MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES".
- 12. HORIZONTAL FOOTING AND WALL REINFORCEMENT SHALL BE CONTINUOUS AND SHALL HAVE 90° BENDS, OR CORNER BARS WITH THE SAME SIZE/SPACING AS THE HORIZONTAL REINFORCEMENT.
- 13. PROVIDE REINFORCEMENT LAP AS NOTED BELOW, UNLESS NOTED OTHERWISE:
- #4 BARS 30" LENGTH #5 BARS - 38" LENGTH #6 BARS - 45" LENGTH
- 14. WHERE REINFORCING DOWELS ARE REQUIRED, THEY SHALL BE EQUIVALENT IN SIZE AND SPACING TO THE VERTICAL REINFORCEMENT. THE DOWEL SHALL EXTEND 48 BAR DIAMETERS VERTICALLY AND 20 BAR DIAMETERS INTO THE FOOTING. SEE KSE FOUNDATION DETAILS.
- 15. WHERE FOOTING BOTTOMS ARE TO BE STEPPED AT SLOPING GRADE CONDITIONS, PROVIDE CONTINUOUS REINFORCING WITH Z BARS (TO MATCH FOOTING REINFORCING) AS REQUIRED.
- 16. BAR SUPPORT ACCESSORIES SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, EXCEPT THAT REINFORCING SHALL BE CHAIRED ON THE BOTTOM AND/OR THE SIDES ON BOLSTERS SPACED NOT MORE THAN 4 FEET ON CENTER. NO ROCKS, CMU, CLAY TILE. OR BRICK SHALL BE USED TO SUPPORT REINFORCING.
- 17. FOR GRADE SUPPORTED SLABS, SLAB REINFORCING SHALL BE HELD IN PLACE BY BAR SUPPORTS AND ACCESSORIES AS DESCRIBED IN THE CRSI MANUAL OF STANDARD PRACTICE. BAR SUPPORTS SHALL BE SPACED A MAXIMUM OF 4'-0" O.C. BOTH WAYS IN STRAIGHT LINES ON THE MESH GRID.

- 1. ALL MASONRY SHALL CONFORM TO ASTM C-90, F'm=1500 PSI. ALL BRICK SHALL CONFORM TO ASTM C-216, F'm=1500 PSI. ALL MORTAR SHALL BE TYPE 'S' (TYPE 'M' BELOW GRADE) AND CONFORM TO ASTM C-270. COARSE GROUT SHALL CONFORM TO ASTM C-476 WITH A MAXIMUM AGGREGATE SIZE OF 3/4" AND A MINIMUM COMPRESSIVE STRENGTH OF 2,000
- 2. ALL MASONRY WORK SHALL BE IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" ACI 530/ASCE 5/TMS 402 AND "SPECIFICATIONS FOR MASONRY STRUCTURES" ACI 530.1/ ASCE 6/TMS 602.
- THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION. UNFILLED HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR 2. RAFTERS SHALL BE SUPPORTED BY PURLINS AND PURLIN BRACES TIMES THEIR LEAST DIMENSION.
- 4. EACH CRAWL SPACE PIER SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING AND EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS. PILASTERS TO BE BONDED TO PERIMETER FOUNDATION WALL.
- 5. TOP COURSE OF MASONRY SHALL BE GROUTED SOLID.
- 6. HORIZONTAL WALL JOINT REINFORCEMENT SHALL BE STANDARD 9 GAGE GALVANIZED LADDER OR TRUSS TYPE SPACED AT 16" O.C., UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- SPLICED WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT WITHIN THE 6". LAP WITH STANDARD 'T' AND 'L' SHAPED PIECES AT INTERSECTIONS AND CORNERS.

WOOD FRAMING

- 1. SOLID SAWN WOOD FRAMING MEMBERS SHALL CONFORM TO THE SPECIFICATIONS LISTED IN THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION": (NDS). UNLESS OTHERWISE NOTED, ALL WOOD FRAMING MEMBERS ARE DESIGNED TO
- SPRUCE-PINE-FIR (SPF) WITH THE FOLLOWING MINIMUM DESIGN
- $E=1,400,000 \text{ PSI}, F_b=875 \text{ PSI}, F_v=135 \text{ PSI}$ 1.1. FRAMING: SPF #2.
- 1.2. PLATES: SPF #2. 1.3. STUDS: SPF STUD GRADE.
- 2. WALL STUD SPACING, (MAXIMUM 10' NOMINAL PLATE HEIGHT): 1 & 2 STORY EXTERIOR AND INTERIOR BEARING:
- 2x4 @ 16" O.C. OR 2x6 @ 24" O.C., U.N.O. BOTTOM OF 3 STORIES EXTERIOR AND INTERIOR BEARING: 2x6 @ 16" O.C., U.N.O.
- INTERIOR NON-BEARING: 2x @ 24" O.C., U.N.O.
- 3. ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE TREATED SOUTHERN YELLOW PINE #2 OR BETTER.
- 4. ANCHOR SILL PLATES IN ACCORDANCE W/ GENERAL STRUCTURAL NOTES. 5. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY
- BE SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. 6. NAILS SHALL BE COMMON WIRE NAILS UNLESS OTHERWISE NOTED.
- 7. BOLT HOLES AND LEAD HOLES FOR LAG SCREWS SHALL BE IN ACCORDANCE WITH NDS SPECIFICATIONS.
- 8. INDIVIDUAL STUDS FORMING A COLUMN SHALL BE ATTACHED WITH (2) ROWS 10d NAILS @ 6" O.C. STAGGERED. THE STUD COLUMN SHALL BE FULLY BLOCKED AT ALL FLOOR LEVELS TO ENSURE PROPER LOAD TRANSFER. WALL SHEATHING SHALL BE NAILED TO EDGE OF EACH STUD.
- 9. FACE NAIL ALL MULTI-PLY BEAMS AND HEADERS WITH (2) ROWS 16d COMMON NAILS @ 16" O.C., STAGGERED, OR PER MANUFACTURER'S SPECIFICATIONS FOR ENGINEERED LUMBER. APPLY NAILING FROM BOTH FACES FOR (3) OR MORE PLIES.
- 10. FASTEN 4-PLY BEAMS WITH (1) $\frac{1}{2}$ " DIAMETER THROUGH BOLT W/ NUTS AND WASHERS AT 12" O.C. STAGGERED TOP AND BOTTOM, 1½" MINIMUM EDGE DISTANCE. (UNLESS OTHERWISE NOTED)
- 11. ALL BEAMS AND HEADERS SHALL HAVE (1)2x JACK STUD & (1)2x KING STUD UNLESS OTHERWISE NOTED. THE NUMBER OF STUDS INDICATED ON PLANS ARE THE TOTAL NUMBER OF JACK STUDS REQUIRED, UNLESS OTHERWISE NOTED.
- 12. PROVIDE KING STUDS AT EACH END OF HEADERS AS NOTED BELOW. (1) STUD UP TO 6' OPENING (2) STUDS UP TO 8' OPENING (3) STUDS UP TO 9' OPENING
- 13. ALL BEAMS TO BE CONTINUOUSLY SUPPORTED LATERALLY AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED WITH A MINIMUM OF TWO STUDS, UNLESS OTHERWISE NOTED. ALL BEAM SPLICES SHALL OCCUR OVER SUPPORTS.
- 14. SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS.
- 15. ALL LUMBER SPECIFIED ON DRAWINGS IS INTENDED FOR DRY USE ONLY (MOISTURE CONTENT <19%) UNLESS OTHERWISE NOTED 16. ALL WATERPROOFING AND FIRE SAFETY SYSTEMS ARE THE
- RESPONSIBILITY OF THE CONTRACTOR AND ARE TO BE DESIGNED AND DETAILED BY OTHERS.
- 17. ANY WOOD FRAME INTERIOR BEARING WALL STUDS THAT HAVE HOLES IN THE CENTER OF THE STUD UP TO 1" DIAMETER SHALL HAVE STUD PROTECTION SHIELDS. ALL HOLES OVER 1" IN DIAMETER FOR PLUMBING LINES, ETC. SHALL BE REPAIRED WITH SIMPSON HSS2 OR USP STS1 STUD SHOES, TYPICAL, UNLESS OTHERWISE NOTED.
- 18. BEARING WALLS SHALL BE SHEATHED ON NOT LESS THAN ONE SIDE WITH OSB OR GYPSUM BOARD. BRIDGING SHALL BE INSTALLED NOT GREATER THAN 4 FEET APART MEASURED VERTICALLY FROM EITHER END OF THE STUD IN LIEU OF SHEATHING.
- 19. DIAGONAL BRACING SHALL BE INSTALLED AT EACH END OF BASEMENT BEARING WALLS AND NOT MORE THAN 20' ON CENTER.

EXTERIOR WOOD FRAMED DECKS:

- DECKS ARE TO BE FRAMED IN ACCORDANCE WITH APPLICABLE BUILDING CODES AND AS REFERENCED ON THE STRUCTURAL PLANS, EITHER THROUGH CODE REFERENCES OR CONSTRUCTION DETAILS. 2. PRESERVATIVE TREATED WOOD FRAMING TO BE SOUTHERN YELLOW PINE #2 OR BETTER.
- 3. GUARD RAILS REQUIRED AT DECKS. DESIGN BY OTHERS TO MEET MINIMUM CODE REQUIREMENTS.
- 4. PROVIDE DECK LATERAL LOAD AND BRACING CONNECTIONS PER BUILDING

RAFTER FRAMED ROOF CONSTRUCTION:

- PROVIDE 2x4x4'-0" RAFTER TIES AT 48" O.C. AS SHOWN ON THE PLAN. PURLIN BRACES SHALL NOT BEAR ON ANY CEILING JOIST, STRONGBACK OR HEADER UNLESS SPECIFICALLY SHOWN ON PLAN. RAFTERS MAY BE SPLICED AT PURLIN LOCATIONS.
- 3. CEILING JOISTS SHALL HAVE LATERAL SUPPORT W/ 1x4 FLAT BRACING ON TOP EDGE OF JOIST AT LOOSE JOIST ENDS (WHERE JOISTS NOT FASTENED TO RAFTERS) OR FULL DEPTH BLOCKING. FASTEN END OF BRACING TO RAFTER OR GABLE END FRAMING.
- 4. FASTEN RAFTER AND CEILING JOIST WITH (6) 12d NAILS UNLESS OTHERWISE NOTED.
- 5. PROVIDE VERTICAL 2x6 STRONGBACKS AT CEILING JOISTS @ 8'-0" O.C. TIE STRONGBACK ENDS TO GABLE STUDS OR RAFTERS WHERE POSSIBLE. PROVIDE BLOCKING BETWEEN TOP PLATES AND STRONGBACKS. PROVIDE 2x4 FLAT FASTENED TO EACH JOIST WITH (2) 12d NAILS. FASTEN STRONGBACK TO 2x4 FLAT WITH 12d NAILS @ 12" O.C. AND FASTENED TO EACH JOIST WITH (1) 12d TOENAIL.

WOOD TRUSSES (FLOOR & ROOF)

- 1. THE WOOD TRUSS MANUFACTURER/FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF THE WOOD TRUSSES. SUBMIT SEALED SHOP DRAWINGS AND SUPPORTING CALCULATIONS TO THE SER FOR REVIEW PRIOR TO FABRICATION. THE SER SHALL HAVE A MINIMUM OF (5) DAYS FOR REVIEW. THE REVIEW BY THE SER SHALL BE FOR OVERALL COMPLIANCE OF THE DESIGN DOCUMENTS. THE SER SHALL ASSUME NO RESPONSIBILITY FOR THE CORRECTNESS OF THE STRUCTURAL DESIGN FOR THE WOOD TRUSSES.
- 2. THE WOOD TRUSSES SHALL BE DESIGNED FOR ALL REQUIRED LOADINGS AS SPECIFIED IN THE LOCAL BUILDING CODE, THE ASCE STANDARD "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES." (ASCE 7), AND THE LOADING REQUIREMENTS SHOWN ON THESE SPECIFICATIONS. THE TRUSS DRAWINGS SHALL BE COORDINATED WITH ALL OTHER CONSTRUCTION DOCUMENTS AND PROVISIONS PROVIDED FOR LOADS SHOWN ON THESE DRAWINGS INCLUDING BUT NOT LIMITED TO HVAC EQUIPMENT, PIPING, AND ARCHITECTURAL FIXTURES ATTACHED TO THE TRUSSES.
- 3. THE TRUSSES SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/TPI 1: "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION"
- 4. THE TRUSS MANUFACTURER SHALL PROVIDE ADEQUATE BRACING INFORMATION IN ACCORDANCE WITH "BUILDING COMPONENT SAFETY INFORMATION GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES" (BCSI). THIS BRACING, BOTH TEMPORARY AND PERMANENT, SHALL BE SHOWN ON THE SHOP DRAWINGS. ALSO, THE SHOP DRAWINGS SHALL SHOW THE REQUIRED ATTACHMENTS FOR THE TRUSSES.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING TEMPORARY BRACING AND SHORING FOR THE FLOOR AND ROOF TRUSSES AS REQUIRED DURING CONSTRUCTION. AT A MINIMUM, CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE LATEST BCSI. THE CONTRACTOR SHALL KEEP A COPY OF THE BCSI SUMMARY SHEETS ON SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL PERMANENT TRUSS BRACING SHOWN IN THE STRUCTURAL DRAWINGS AND IN THE TRUSS DESIGNS. ALL CONTINUOUS LATERAL BRACING OF WEBS REQUIRES BRACES. REFER TO BCSI SUMMARY SHEET B3 FOR TYPES OF DIAGONAL BRACES TO PROVIDE AT EACH CONTINUOUS LATERAL BRACE LINE. SUCH DIAGONAL BRACES SHALL NOT BE SPACED MORE THAN 20 FEET O.C. DIAGONAL BRACES SHALL BE FASTENED TO EACH TRUSS WEB WITH A MINIMUM OF TWO 10d FACE NAILS. WHERE CONTINUOUS LATERAL BRACING CANNOT BE INSTALLED, DUE TO A MINIMUM OF THREE ADJACENT TRUSSES NOT BEING IDENTICAL, THE CONTRACTOR SHALL COORDINATE WITH THE TRUSS SPECIALTY ENGINEER/MANUFACTURER TO DETERMINE WHAT TYPE OF ALTERNATE BRACE (I.E., T OR L BRACE, ETC.) IS REQUIRED.
- 7. ANY CHORDS OR TRUSS WEBS SHOWN ON THESE DRAWINGS HAVE BEEN SHOWN AS A REFERENCE ONLY. THE FINAL DESIGN OF THE TRUSSES SHALL BE PER THE MANUFACTURER.
- 8. TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN ON THE SEALED STRUCTURAL DRAWINGS. TRUSS PROFILES TO BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS.
- 9. TRUSS MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTORS FOR ALL TRUSSES
- 10. PROVIDE SIMPSON H2.5A, USP RT7 OR EQUIVALENT AT EACH TRUSS TO TOP PLATE CONNECTION, UNLESS OTHERWISE NOTED.

WOOD STRUCTURAL PANELS:

- 1. FABRICATION AND PLACEMENT OF STRUCTURAL WOOD SHEATHING SHALL BE IN ACCORDANCE WITH THE APA DESIGN/CONSTRUCTION GUIDE "RESIDENTIAL AND COMMERCIAL," AND ALL OTHER APPLICABLE APA STANDARDS.
- 2. ALL REQUIRED WOOD SHEATHING SHALL BEAR THE MARK OF THE APA.
- 3. WOOD WALL SHEATHING SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL BUILDING CODES FOR THE APPROPRIATE STATE AS INDICATED ON THESE DRAWINGS. REFER TO WALL BRACING NOTES IN PLAN SET FOR MORE INFORMATION. EXTERIOR WALLS TO BE FULLY SHEATHED USING $\frac{7}{6}$ " OSB OR PLYWOOD MINIMUM. AT BRACED WALL PANELS, PROVIDE BLOCKING AT ALL SHEET EDGES NOT FALLING ON STUDS OR PLATES.
- ROOF SHEATHING SHALL BE APA RATED SHEATHING EXPOSURE 1 OR 2. ROOF SHEATHING SHALL BE CONTINUOUS OVER TWO SUPPORTS MINIMUM AND ATTACHED TO ITS SUPPORTING ROOF FRAMING WITH 8d NAILS AT 6" O.C. AT PANEL EDGES AND AT 12" O.C. IN PANEL FIELD UNLESS OTHERWISE NOTED ON THE PLANS. SHEATHING SHALL BE APPLIED WITH THE LONG DIRECTION PERPENDICULAR TO FRAMING. SHEATHING SHALL HAVE A SPAN RATING CONSISTENT WITH THE FRAMING SPACING. PROVIDE SUITABLE EDGE SUPPORT BY USE OF PLYWOOD CLIPS OR LUMBER BLOCKING UNLESS OTHERWISE NOTED. PANEL END JOINTS SHALL OCCUR OVER FRAMING. ROOF SHEATHING TO BE $\frac{7}{16}$ " OSB MINIMUM.
- WOOD FLOOR SHEATHING SHALL BE APA RATED SHEATHING EXPOSURE 1 OR 2. ATTACH SHEATHING TO ITS SUPPORTING FRAMING WITH (1) 10d NAIL AT 6" O.C. AT PANEL EDGES AND AT 12" O.C. IN PANEL FIELD UNLESS OTHERWISE NOTED ON THE PLANS. SHEATHING SHALL BE APPLIED PERPENDICULAR TO FRAMING. SHEATHING SHALL HAVE A SPAN RATING CONSISTENT WITH THE FRAMING SPACING. PROVIDE SUITABLE EDGE SUPPORT BY USE OF T&G PLYWOOD OR LUMBER BLOCKING UNLESS OTHERWISE NOTED. PANEL END JOINTS SHALL OCCUR OVER FRAMING.
- 6. SHEATHING SHALL HAVE A $\frac{1}{3}$ " GAP AT PANEL ENDS AND EDGES AS RECOMMENDED IN ACCORDANCE WITH THE APA.

STRUCTURAL FIBERBOARD PANELS:

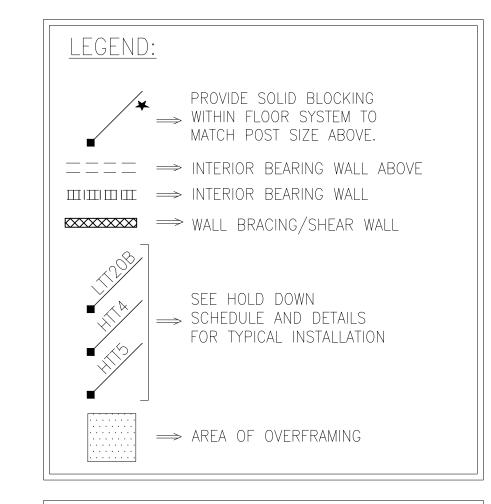
- STRUCTURAL FIBERBOARD SHEATHING SHALL ONLY BE USED WHERE
- SPECIFICALLY NOTED ON THE STRUCTURAL PLANS. 2. FABRICATION AND PLACEMENT OF STRUCTURAL FIBERBOARD SHEATHING SHALL BE IN ACCORDANCE WITH THE APPLICABLE AFA
- 3. FIBERBOARD WALL SHEATHING SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL BUILDING CODES FOR THE APPROPRIATE STATE AS INDICATED ON THESE DRAWINGS. REFER TO WALL BRACING NOTES IN PLAN SET FOR MORE INFORMATION.
- 4. SHEATHING SHALL HAVE A 1/8" GAP AT PANEL ENDS AND EDGES AS RECOMMENDED IN ACCORDANCE WITH THE AFA.

STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND OF THE MANUAL OF STEEL CONSTRUCTION "LOAD RESISTANCE FACTOR DESIGN" LATEST EDITIONS
- 2. ALL STEEL SHALL HAVE A MINIMUM YIELD STRESS (F_v) OF 50 KSI UNLESS OTHERWISE NOTED.
- 3. WELDING SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE AWA D1.1. ELECTRODES FOR SHOP AND FIELDING WELDING SHALL BE CLASS E70XX. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER PER THE ABOVE STANDARDS.
- 4. ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3½" AND FULL FLANGE WIDTH UNLESS OTHERWISE NOTED. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR (2) 1/2" x 4" LAG SCREWS UNLESS OTHERWISE NOTED.
- INSTALL 2x WOOD PLATE ON TOP OF STEEL BEAMS, RIPPED TO MATCH BEAM WIDTH. FASTEN PLATE TO BEAM W/ HILTI X-DNI 52 P8 PINS AT 12" O.C. STAGGERED OR 1/2" DIAMETER BOLTS AT 24"

MFCHANICAL FASTENERS:

- 1. ALL METAL HARDWARE AND FASTENERS TO BE SIMPSON STRONG-TIE
- OR APPROVED EQUIVALENT. 2. ALL HARDWARE AND FASTENERS IN CONTACT WITH PRESERVATIVE PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A 153, G-185.
- 3. MANY OF THE NEW PRESSURE TREATED WOODS USE CHEMICALS THAT ARE CORROSIVE TO STEEL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE TYPE OF WOOD TREATMENT AND SELECT APPROPRIATE CONNECTORS THAT WILL RESIST THE APPLICABLE CORROSIVE CHEMICALS.





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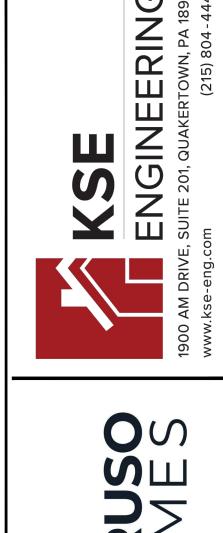
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Project #: 108-20000 Designed By: KRK

Checked By:

Issue Date: 1/1/20 Re-Issue: Scale: 1/8"=1'-0" @ 11x17

1/4"=1'-0" @ 22x34





CRIPPLE WALL FRAMING NOTES:

-WALLS UP TO 48" TALL SHALL BE 2x4 @ 16" O.C. -WALLS OVER 48" TALL SHALL BE 2x6 @ 16" O.C. -CRIPPLE STUDS EXCEEDING 48" IN HEIGHT SHALL BE CONSIDERED AN ADDITIONAL STORY PER IRC SECTION R602.9.

-CRIPPLE STUDS SHALL NOT BE FRAMED SMALLER THAN THE STUD SIZE FRAMED ABOVE. -CRIPPLE WALLS SHALL BE CONTINUOUSLY SHEATHED ON ONE SIDE WITH WOOD STRUCTURAL PANELS FASTENED TO BOTH THE TOP AND BOTTOM PLATES IN ACCORDANCE WITH IRC TABLE R602.3(1)



⇒ WITHIN FLOOR SYSTEM TO MATCH POST SIZE ABOVE. ======= ⇒ BEARING WALL ABOVE

 $\square \square \square \square \square \square \square$ ⇒ INTERIOR BEARING WALL 48"WSP

⇒ BRACED WALL PANEL (SEE KSE STRUCTURAL DETAILS SET FOR BRACED WALL PANEL SHEATHING FASTENING & BLOCKING DETAILS)

REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS

FLOOR FRAMING TO BE 11%" DEEP TJI 210 I-JOISTS @ 19.2" O.C. MAXIMUM OR EQUAL

<u>KEYNOTES:</u>

(7) REINFORCE 8" CMU WALL AND FOOTING UNDER PORTAL FRAME PER DETAIL B/SD-4.

ce Foundation Lot #56 Model w Space MGA Lot tesville Mc Crawl OYL N States 120 Raleig

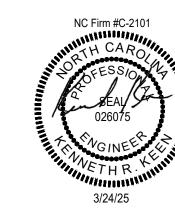
Plans

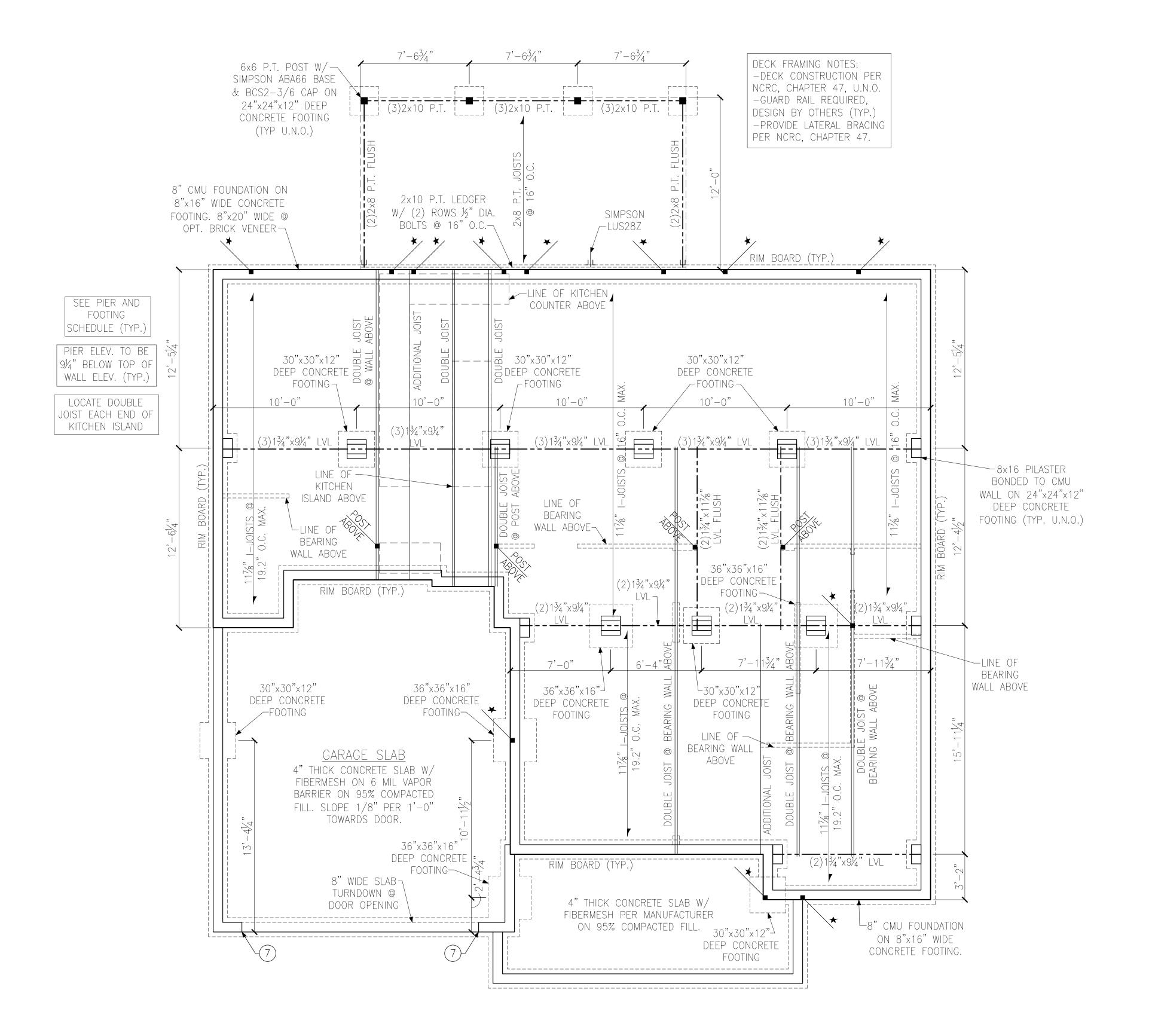
Project #: 108-20004

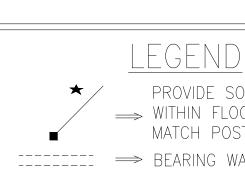
Carolina

Designed By: AAM Checked By: KRK

Issue Date: 3/24/25 Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34







48" WSP

PROVIDE SOLID BLOCKING

WITHIN FLOOR SYSTEM TO

MATCH POST SIZE ABOVE.

⇒ BEARING WALL ABOVE

⇒ INTERIOR BEARING WALL ⇒ BRACED WALL PANEL (SEE KSE STRUCTURAL DETAILS SET FOR BRACED WALL PANEL SHEATHING FASTENING & BLOCKING DETAILS)

Plans

Floor

oor Framing Lot #56 Model

Second Floor MGA 1 Statesville 120 M.P. Raleigh, N.

Project #: 108-20004

Issue Date: 3/24/25

Scale: 1/8"=1'-0" @ 11x17

S-2

1/4"=1'-0" @ 22x34

Designed By: AAM

Checked By: KRK

Re-Issue:

Carolina

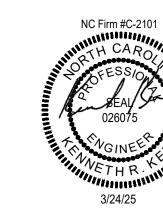
REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS

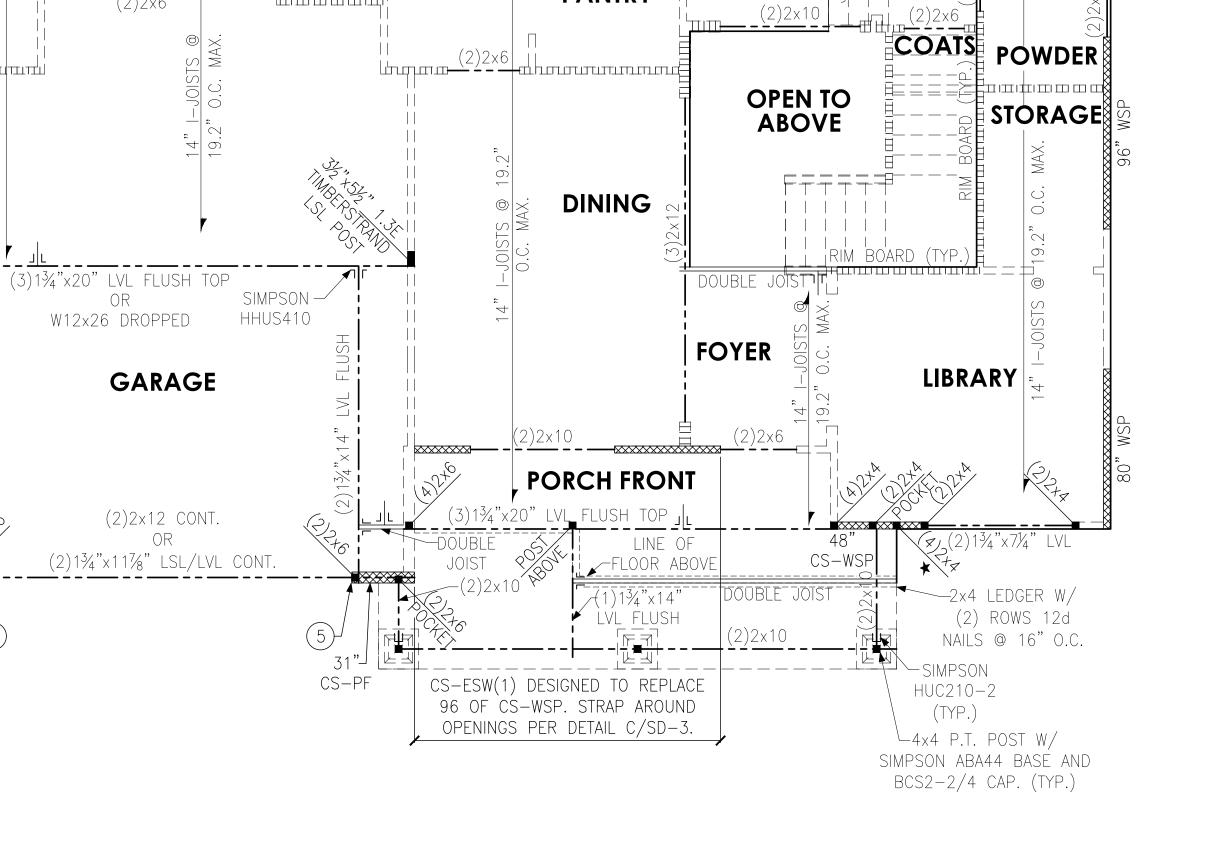
PLAN DESIGNED WITH 10' WALL PLATES

FLOOR FRAMING TO BE 14" DEEP TJI 210 I-JOISTS @ 19.2" O.C. MAXIMUM OR EQUAL

KEYNOTES:

5 INSTALL TWO PANEL CS-PF PORTAL FRAME PER DETAIL A OR B/SD-4.





PANTRY

BREAKFAST

KITCHEN

DOUBLE JOIST

GREAT ROOM

IN-LAW

SUITE

MUD

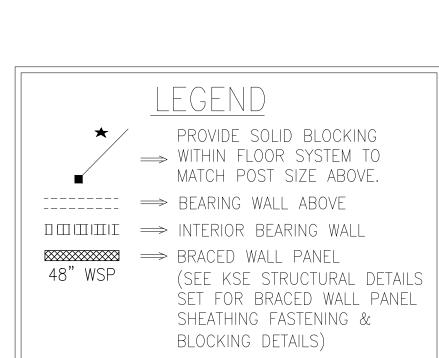
ROOM

F.F.

FULL

BATH

25" CS-PF



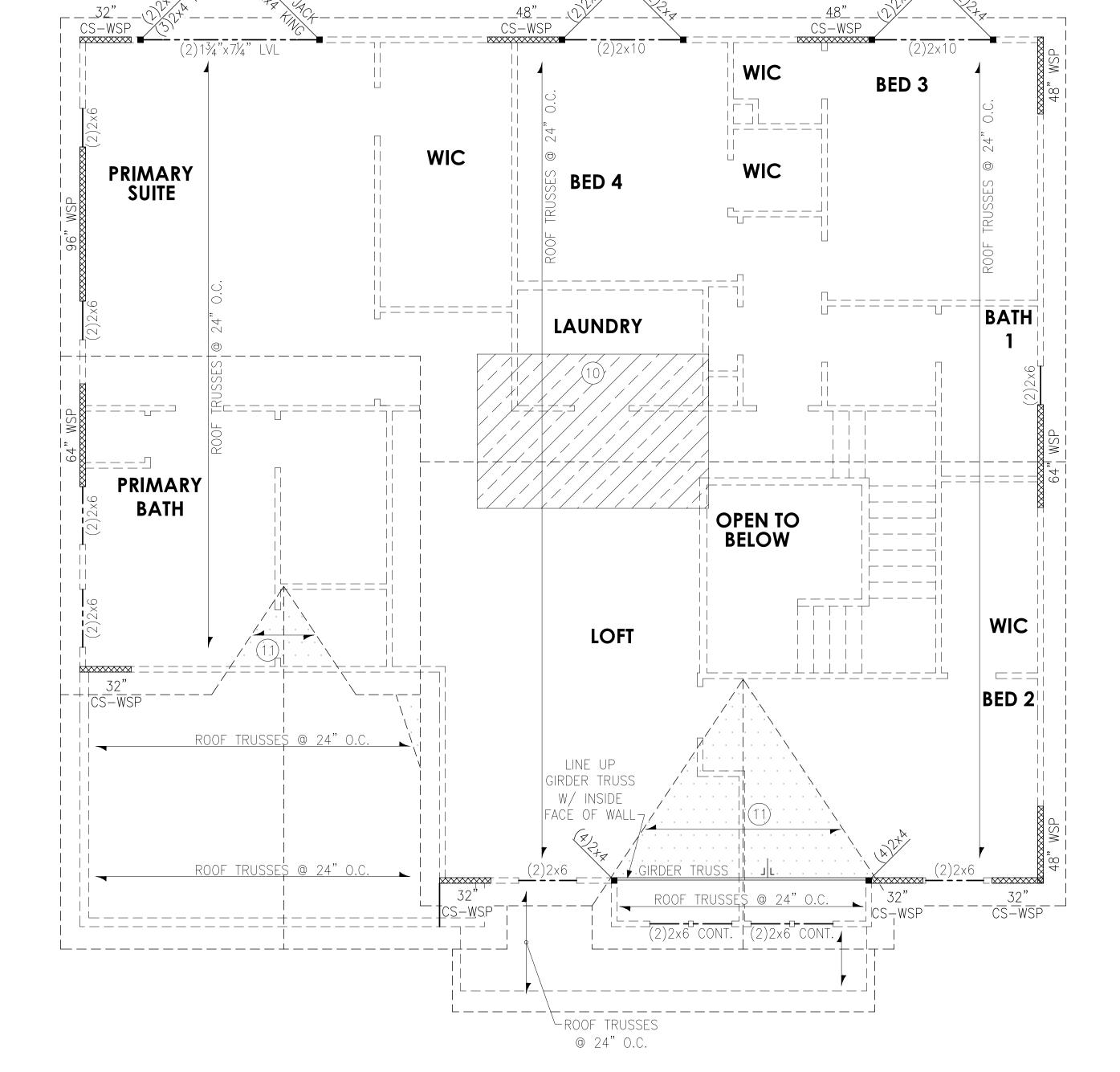
REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS

PLAN DESIGNED WITH 9' WALL PLATES

KEYNOTES:

- (10) 8'x12' HVAC PLATFORM TRUSSES DESIGNED TO SUPPORT HVAC UNITS.
- 11) VALLEY SET TRUSSES @ 24" O.C.
 OR 2x6 OVERFRAMING @ 24" O.C.
 W/ 2x8 RIDGE & VALLEY PLATES
 (TYP.)





ROOF FRAMING PLAN

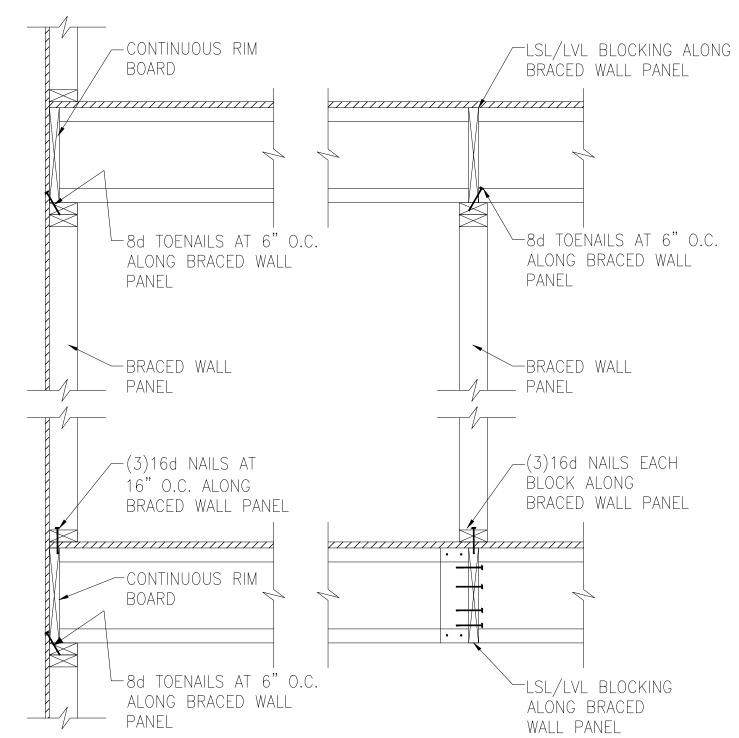
Roof Framing Plan OYL MGA Lot #56 Statesville Model 120 M.P.H. Raleigh, North Carolina

Project #: 108-20004

Designed By: AAM
Checked By: KRK
Issue Date: 3/24/25

Re-Issue:
Scale: 1/8"=1'-0" @ 11x17
1/4"=1'-0" @ 22x34

S - 3



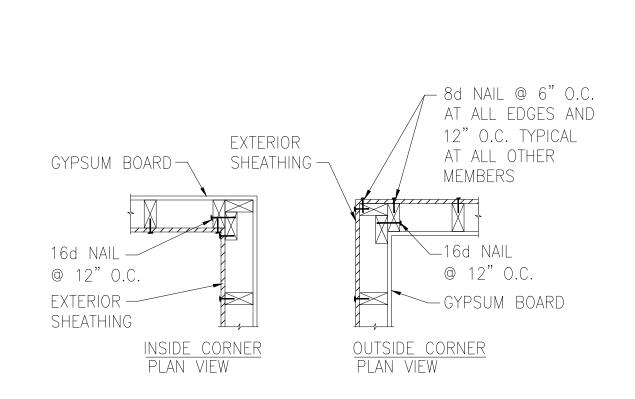
1.25" TYPE W SCREWS AT 7" O.C. (OR 5d COOLER NAILS AT 7" O.C.) 2x4 BLOCKING BTWN — VERTICAL WALL 2x6 FULL HEIGHT STUD STUDS AT ALL AT WALL INTERSECTION HORIZONTAL GYPSUM BRACED _(2x8 STUD AT WALL SHEATHING JOINTS. INTERSECTING 2x6 WALL) 3-STUD WALL "T" PLATE WALL INTERSECTION INTERSECTION

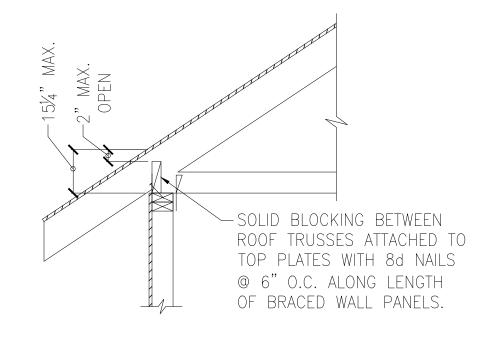
1/2" (MIN) GYPSUM WALLBOARD.

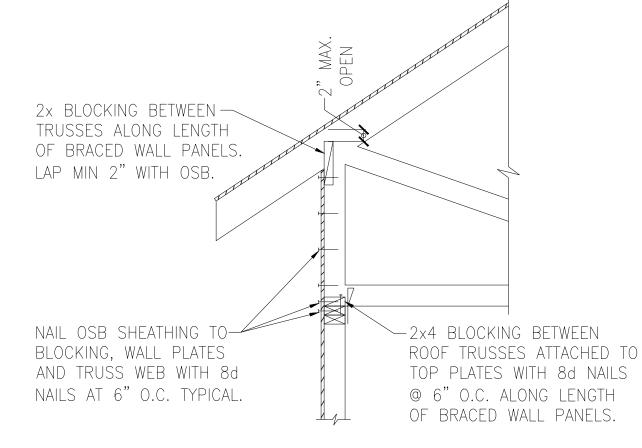
FASTEN TO WALL ALL SUPPORTS (STUDS, PLATES, BLOCKING) WITH

BRACED WALL INTERSECTIONS MAY BE FRAMED USING EITHER THE 3-STUD OR THE T-PLATE METHOD.

 \bigcirc METHOD GB(1) AND GB(2) INTERSECTION DETAILS







HEEL HEIGHT GREATER THAN 91/4" AND LESS THAN 151/4"

HEEL HEIGHT GREATER 15"

TYPICAL EXTERIOR CORNER WALL FRAMING

ROOF TRUSS BEARING/BLOCKING AT BRACED WALL PANELS ONLY REQUIRED AT BRACED WALL PANELS





| GINEERING | 201, QUAKERTOWN, PA 18951 | (215) 804-4449

Details \mathbb{M}_{Q} ced \bigcirc

Project #: 108-20000

Carolina

North

20 M aleigh,

Designed By: KRK Checked By:

Issue Date: 1/1/20 Re-Issue: Scale: 1/8"=1'-0" @ 11x17

1/4"=1'-0" @ 22x34







-HOLD DOWN INSTALLED PER HOLD

PLANS FOR TYPE AND LOCATION.

D HOLD DOWN AT MONOLITHIC SLAB FOUNDATION

DOWN SCHEDULE THIS SHEET, SEE

_A36 ALL THREAD ROD DRILLED AND

EPOXIED 6" INTO FOOTING USING SIMPSON

"SET"/"ET" OR USP CIA-GEL ADHESIVE.



Details $\square \circ w \sqcap$ <u>р</u>оН

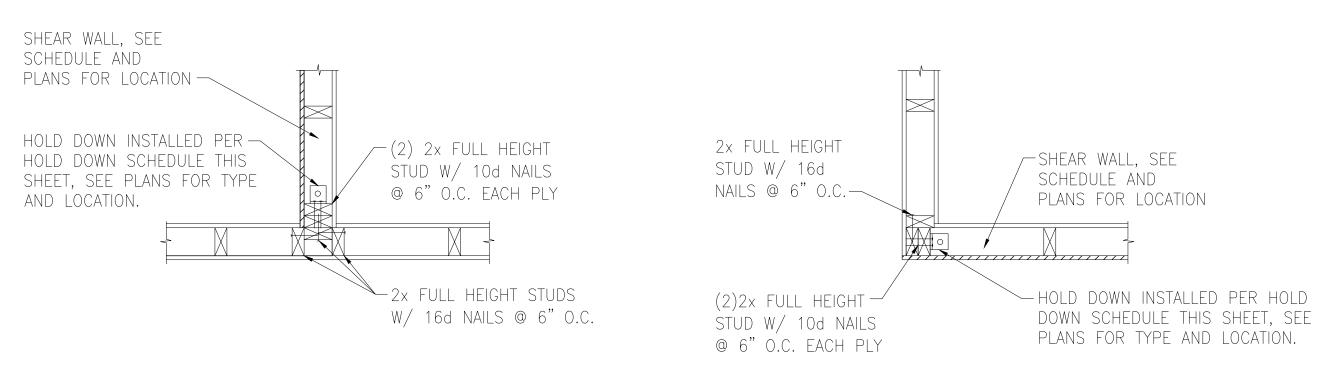
Carolina

North

20 M. aleigh, Project #: 108-20000 Designed By: KRK

Checked By: Issue Date: 1/1/20

Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34



A36 ALL

THREAD ROD

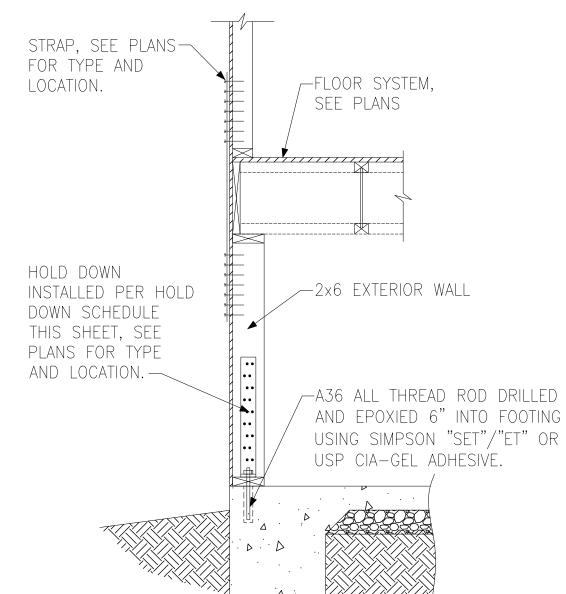
COUPLER NUT

SIMPSON CNW1/2 OR USP CNW12-ZP

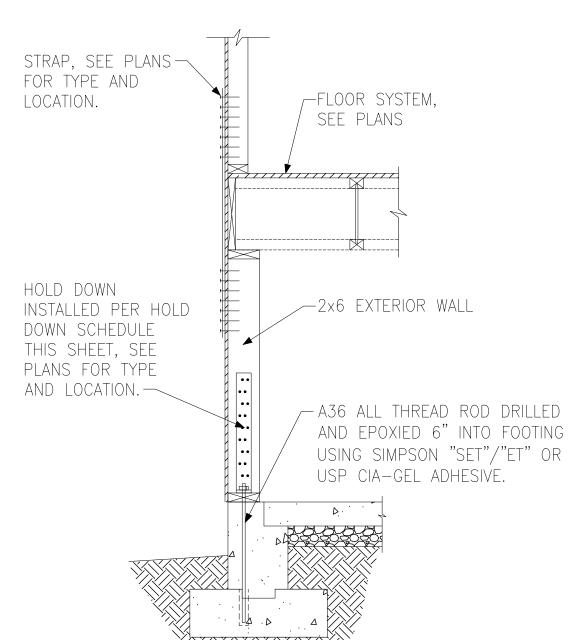
GROUT CMU SOLID

AT ALL THREAD ROD

B TYPICAL HOLD DOWN DETAIL

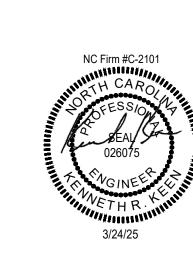


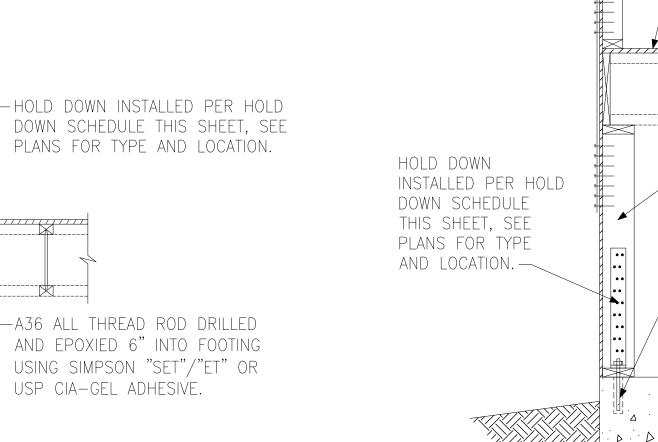
HOLD DOWN AT BASEMENT FOUNDATION MONOLITHIC TURN-DOWN



G HOLD DOWN AT BASEMENT FOUNDATION STEM WALL

HOLD DOWN SCHEDULE					
HOLD SIMPSON	DOWN USP	ALL THREAD ROD	FASTENERS		
LTT20B	LTS20B	½" DIA.	(10)10d NAILS		
HTT4	HTT16	%" DIA.	(18)16dx2½" LONG NAILS		
HTT5	HTT45	5⁄8" DIA.	(26)16dx2½" LONG NAILS		





(E)HOLD DOWN AT CRAWL SPACE FOUNDATION

HOLD DOWN AT STEMWALL SLAB FOUNDATION

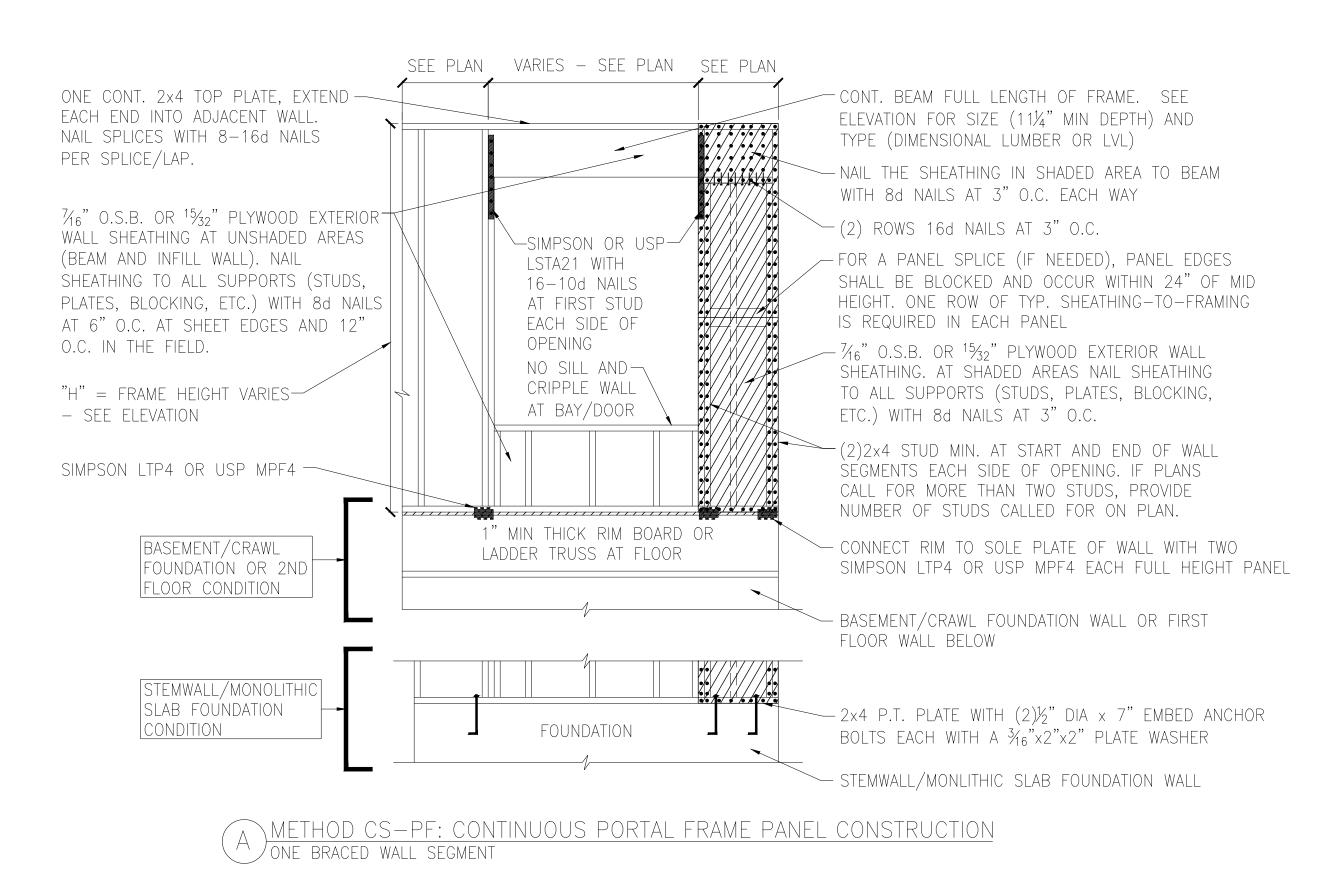
-HOLD DOWN INSTALLED PER HOLD DOWN SCHEDULE THIS SHEET, SEE

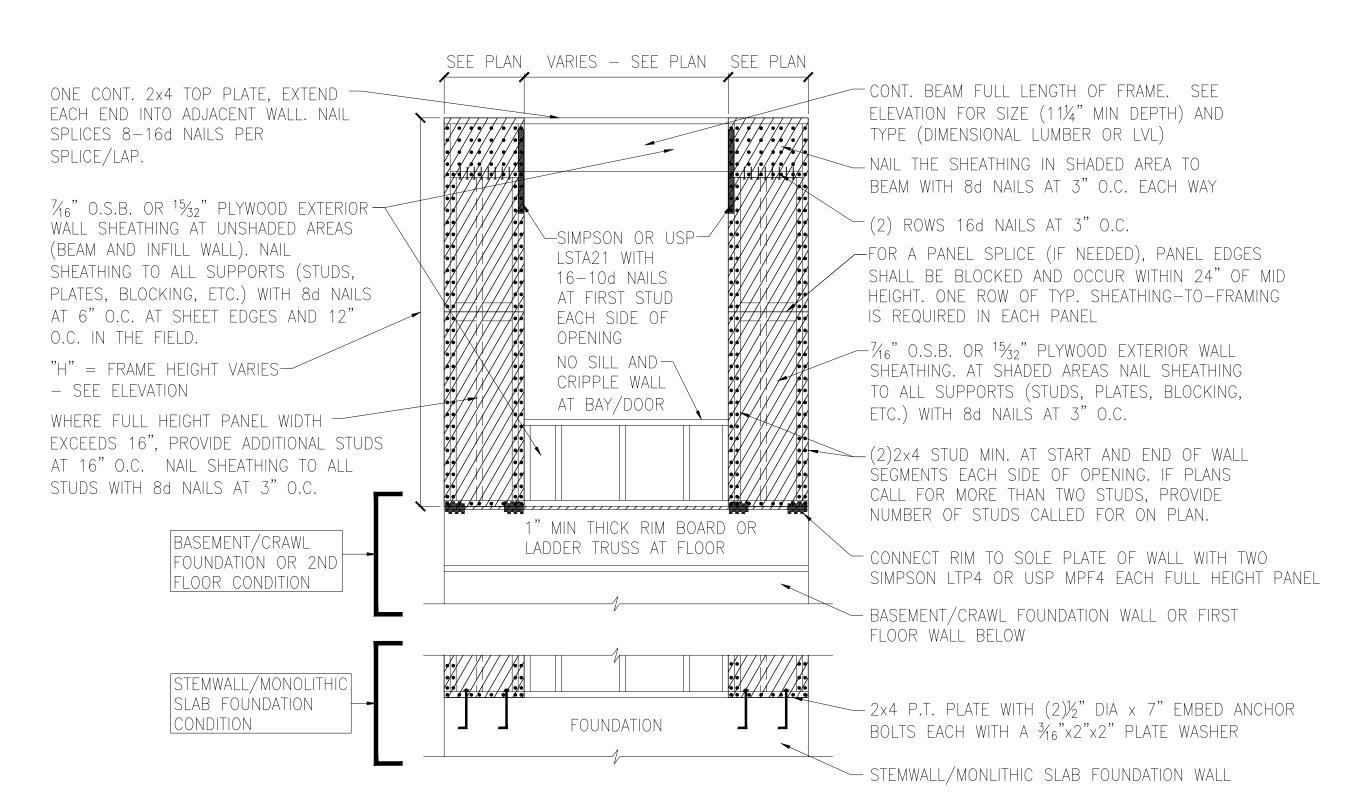
PLANS FOR TYPE AND LOCATION.

_A36 ALL THREAD ROD DRILLED AND

EPOXIED 6" INTO FOOTING USING SIMPSON

"SET"/"ET" OR USP CIA-GEL ADHESIVE.



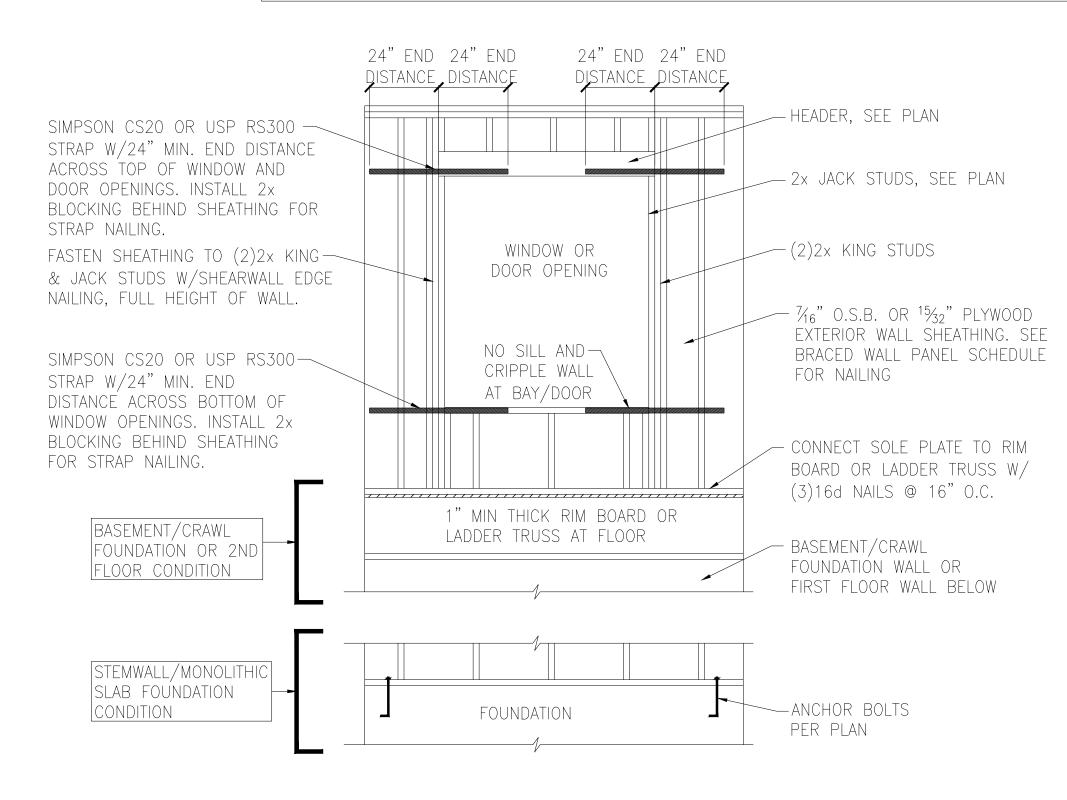


B METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION TWO BRACED WALL SEGMENTS

BRACED WALL PANEL AND ENGINEERED SHEAR WALL SCHEDULE			
PANEL TYPES	PANEL TYPE	MATERIAL	FASTENERS
WSP	INTERMITTENT WOOD STRUCTURAL PANEL	7/16" OSB	6D OR 8D COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. ENGINEERED ALTERNATIVE: 16 GAGE BY 1.75" LONG STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS
GB(1)	INTERMITTENT GYPSUM BOARD (SHEATHING ONE FACE OF WALL)	1/2" GYPSUM	1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 7" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.
GB(1)-4	INTERMITTENT GYPSUM BOARD (SHEATHING ONE FACE OF WALL)	1/2" GYPSUM	1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 4" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.
GB(2)	INTERMITTENT GYPSUM BOARD (SHEATHING BOTH FACES OF WALL)	1/2" GYPSUM	1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 7" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.
CS-WSP	CONTINUOUS SHEATHED WOOD STRUCTURAL PANEL	7/16" OSB	6D OR 8D COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. ENGINEERED ALTERNATIVE: 16 GAGE BY 1.75" LONG STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS
CS-PF	CONTINUOUS SHEATHED PORTAL FRAME	7/16" OSB	NAILING PER DETAIL
PFH	PORTAL FRAME WITH HOLD DOWNS	7/16" OSB	NAILING PER DETAIL
CS-ESW(1)	ENGINEERED SHEAR WALL, TYPE 1	7/16" OSB	8D COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS
CS-ESW(2)	ENGINEERED SHEAR WALL, TYPE 2	7/16" OSB	8D COMMON NAILS AT 4" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS
CS-ESW(3)	ENGINEERED SHEAR WALL, TYPE 3	7/16" OSB	8D COMMON NAILS AT 3" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS

BRACED WALL PANEL NOTES:

- 1. ALL BRACED WALL PANELS, EXCEPT GB(1) & GB(2), SHALL HAVE 2x BLOCKING BETWEEN WALL STUDS AT ALL HORIZONTAL SHEET EDGES.
- 2. PROVIDE NAILING/BLOCKING ABOVE AND BELOW ALL BRACED WALL PANELS PER KSE BRACED WALL DETAILS.
- 3. SHEATH ALL EXTERIOR WALLS OF THE HOUSE WITH $\frac{7}{6}$ " O.S.B., OR $\frac{1}{3}$ 2" PLYWOOD, FASTENED PER IRC. AT EXTERIOR CORNERS, SHEATHING SHALL BE FASTENED PER KSE BRACED WALL DETAILS. AT INTERIOR WALL INTERSECTIONS, FASTEN STUDS & WALL BRACING PER KSE BRACED WALL DETAILS.
- 4. BRACED WALL PANELS AND ENGINEERED SHEAR WALLS ARE PROVIDED PER IRC. PANEL LENGTHS SHOWN ON PLANS ARE THE MINIMUM LENGTH REQUIRED.



WINDOW OR DOOR REINFORCEMENT IN ENGINEERED SHEAR WALL ONLY REQUIRED WHERE SPECIFED ON PLANS





CARUSO HOMES

Wall Notes & Details

oject #: 108-20000

arolina

. Morth

dh

Project #: 108-20000 Designed By: KRK

Designed By: KRK
Checked By:

Checked By:

Issue Date: 1/1/20

Re-Issue:
Scale: 1/8"=1'-0" @ 11x17
1/4"=1'-0" @ 22x34

SD-3

MONOLITHIC SLAB OR BASEMENT FOUNDATION



Details

Fram ortal

20 M. aleigh, \leftarrow \subseteq

Carolina

North

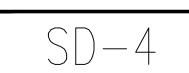
Project #: 108-20000 Designed By: KRK

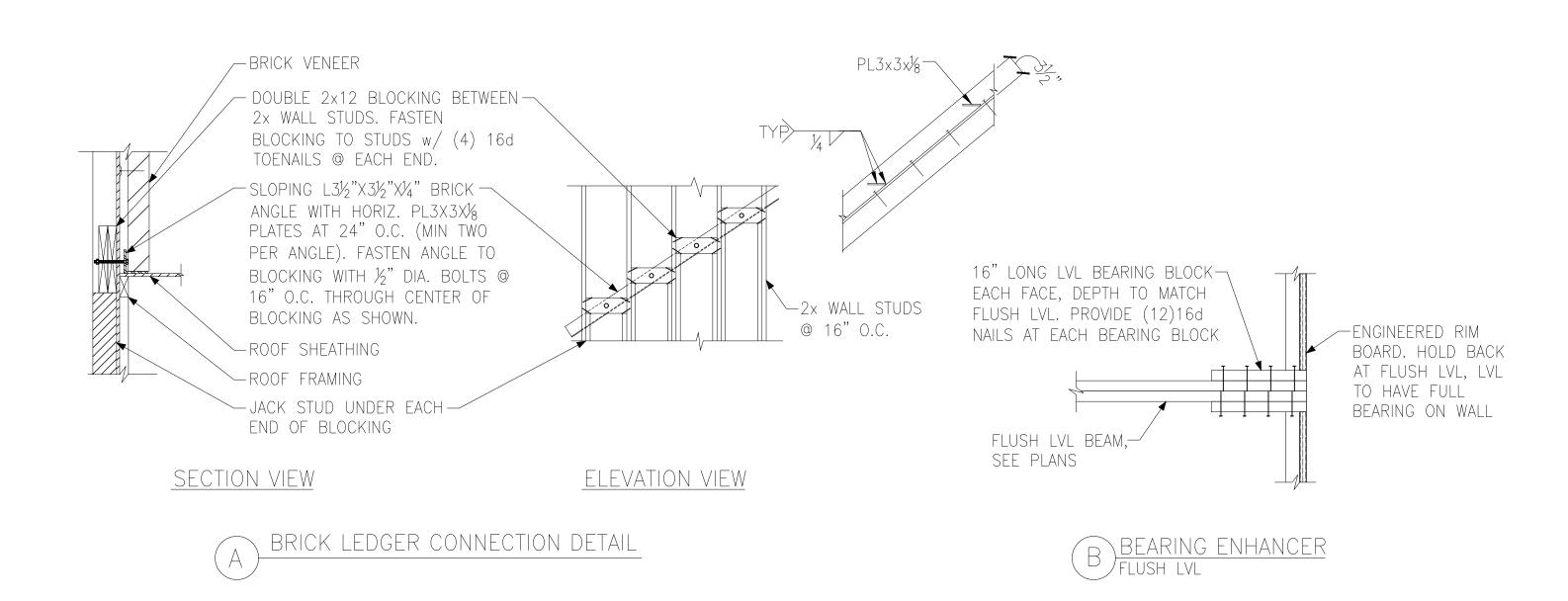
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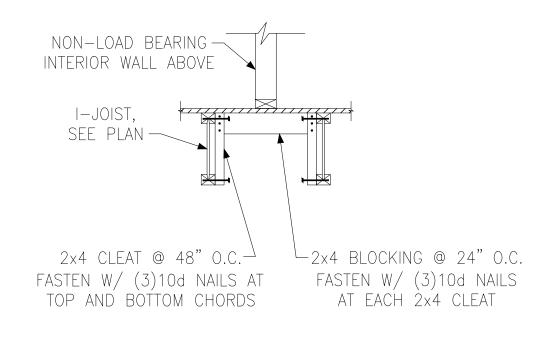
NC Firm #C-2101

Issue Date: 1/1/20 Re-Issue:

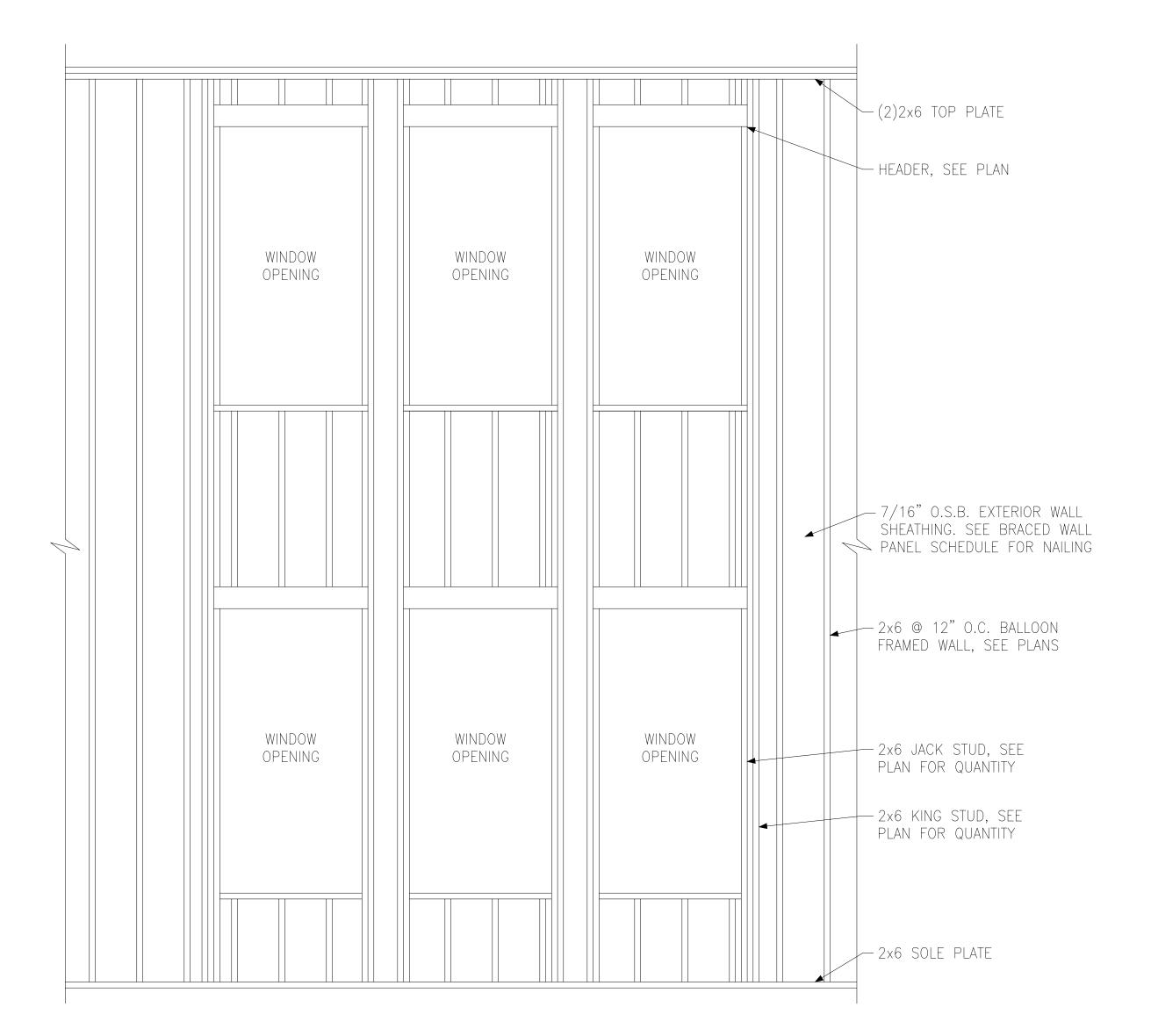
Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34







I-JOIST LADDER BLOCKING
AS REQUIRED @ PARALLEL WALLS



BALLOON FRAMED WALL DETAIL N.T.S.



Details Framing Miscellaneous

120 M. Raleigh,

Project #: 108-20000

Designed By: KRK

Checked By:

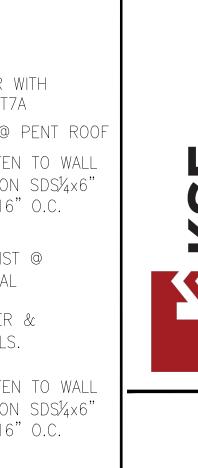
Issue Date: 1/1/20
Re-Issue:
Scale: 1/8"=1'-0" @ 11x17
1/4"=1'-0" @ 22x34

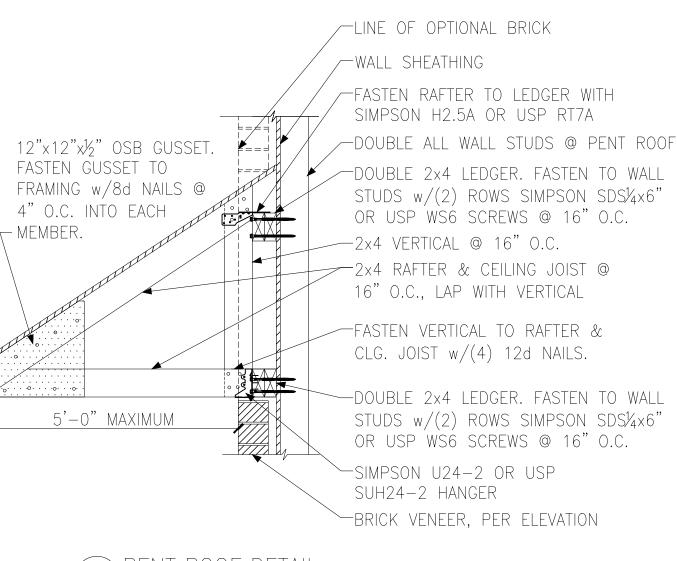
M.P.H. gh, North

| GINEERING | 201, QUAKERTOWN, PA 18951 | (215) 804-4449

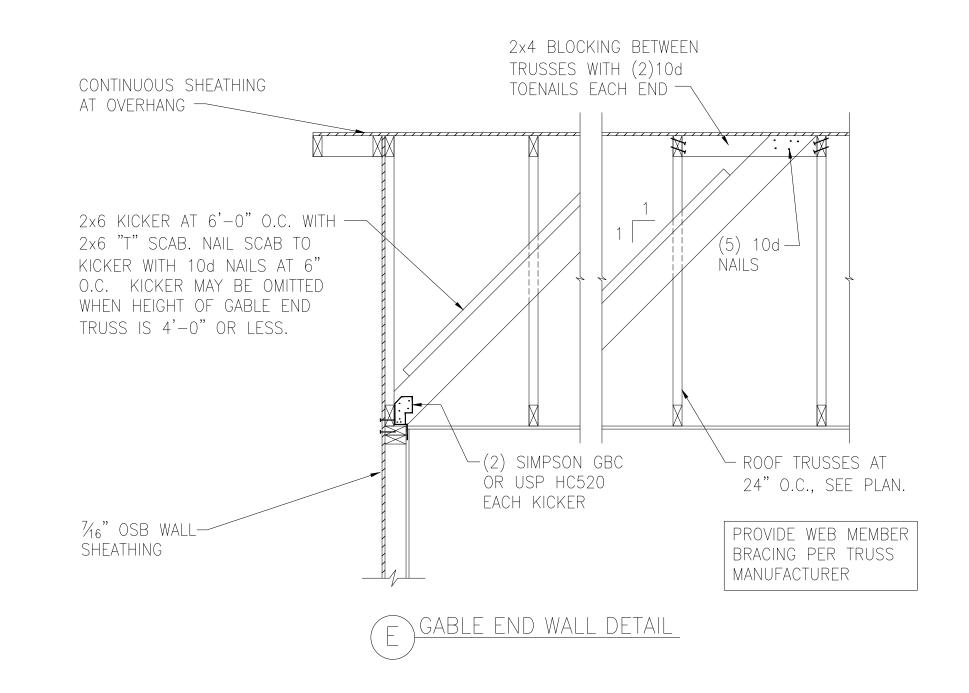








B PENT ROOF DETAIL /STRAIGHT ROOF 5'-0" MAXIMUM SPAN



LINE OF OPTIONAL BRICK

FASTEN RAFTER TO LEDGER WITH

2x4 LEDGER. FASTEN TO WALL STUDS

USP WS35 SCREWS @ 16" O.C.

FASTEN VERTICAL TO RAFTER &

CLG. JOIST w/(4) 12d NAILS.

WALL STUDS WITH (2) ROWS

-BRICK VENEER, PER ELEVATION

w/(2) ROWS SIMPSON SDS1/4×31/2" OR

SIMPSON H3 OR USP RT3A

WALL STUD OR GABLE TRUSS

2x4 RAFTER & CEILING JOIST,

-2x4 LEDGER. FASTEN TO

12d NAILS @ 16" O.C.

SUH24-2 HANGER

-SIMPSON U24-2 OR USP

LAP WITH VERTICAL

-WALL SHEATHING

2x4 VERTICAL

12"x12"x½" OSB GUSSET.

FRAMING w/8d NAILS @

2'-6" MAXIMUM

B PENT ROOF DETAIL STRAIGHT ROOF

FASTEN GUSSET TO

4" O.C. INTO EACH

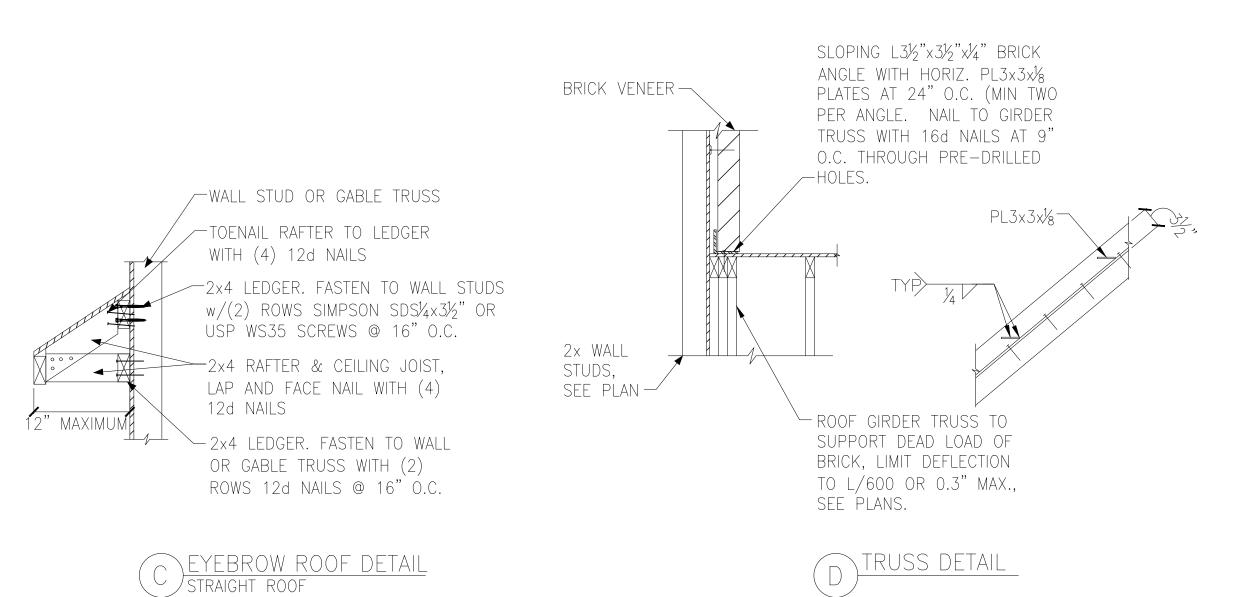
← MEMBER.

∕2x4 LEDGER. FASTEN TO

WALL STUDS w/(2) ROWS

SIMPSON SDS1/4×31/2" OR USP

WS35 SCREWS @ 16" O.C.



2×12 RAFTER @ 24"

O.C. WITH CURVED

RAFTER -

PROFILE CUT INTO

INTO EACH MEMBER.

OSB GUSSET, CUT TO MATCH-

ROOF PROFILE FASTEN GUSSET TO FRAMING w/8d NAILS @ 4" O.C.

2x4 VERTICAL

CURVED ROOF

LINE OF OPTIONAL BRICK

FASTEN RAFTER TO LEDGER WITH

-2x4 LEDGER. FASTEN TO WALL STUDS

w/(2) ROWS SIMPSON SDS $\frac{1}{4}$ \times 3 $\frac{1}{2}$ " OR

USP WS35 SCREWS @ 16" O.C.

FASTEN VERTICAL TO RAFTER &

CLG. JOIST w/(4) 12d NAILS.

WALL STUDS WITH (2) ROWS

-BRICK VENEER, PER ELEVATION

SIMPSON H3 OR USP RT3A

/WALL STUD OR GABLE TRUSS

2x4 CEILING JOIST @ 24"

O.C., LAP WITH VERTICAL

─2×4 LEDGER. FASTEN TO

12d NAILS @ 16" O.C.

USP SUH24-2 HANGER

-SIMPSON U24-2 OR

A PENT ROOF DETAIL CURVED ROOF

-WALL SHEATHING

-2x4 VERTICAL

OSB GUSSET, CUT TO MATCH

INTO EACH MEMBER. —

2x12 RAFTER @24"

O.C. WITH CURVED

PROFILE CUT INTO

RAFTER —

ROOF PROFILE FASTEN GUSSET TO FRAMING w/8d NAILS @ 4" O.C.

2'-6" MAXIMUM

NC Firm #C-2101

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Carolina

North

108-20000 Designed By: KRK

Checked By: Issue Date: 1/1/20 Re-Issue:

Details

Framing

Miscellaneous

Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

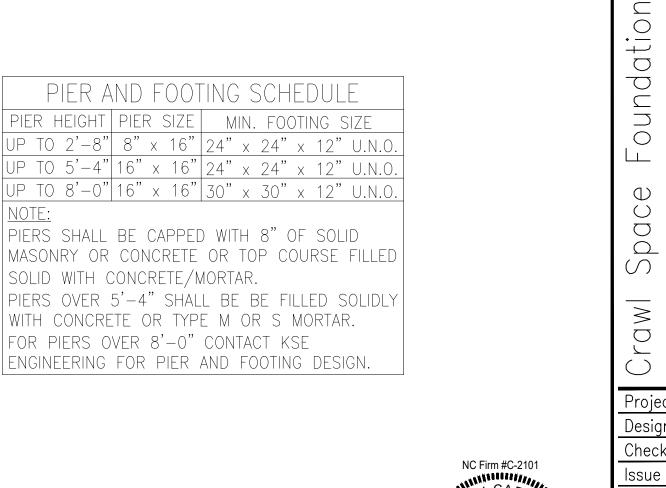












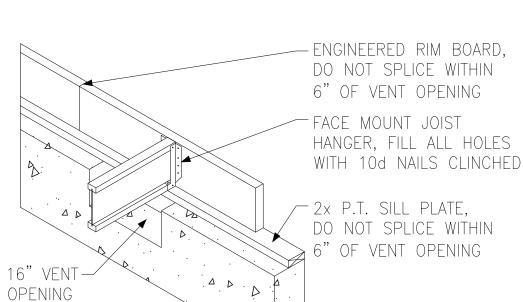
 \leftarrow \subseteq

Designed By: KRK

Checked By: Issue Date: 1/1/20

Re-Issue:

ENGINEERED RIM BOARD, DO NOT SPLICE WITHIN 6" OF VENT OPENING FACE MOUNT JOIST HANGER, FILL ALL HOLES WITH 10d NAILS CLINCHED / 2x P.T. SILL PLATE, DO NOT SPLICE WITHIN 6" OF VENT OPENING

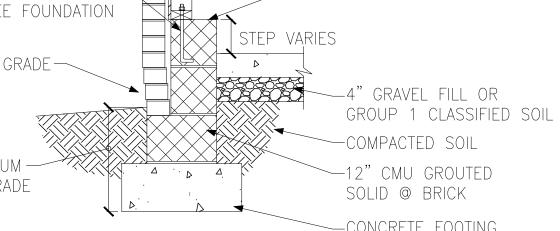


NOTES. EXTERIOR GRADE -

\CRAWL SPACE VENT DETAIL

STEP VARIES —4" GRAVEL FILL OR —COMPACTED SOIL -12" CMU GROUTED SOLID @ BRICK -CONCRETE FOOTING, SEE PLAN.

PLATE, SEE PLAN. MASONRY VENEER--8" CMU WALL TOP INSTALL ½" DIA. ANCHOR— COURSE GROUTED SOLID BOLTS, SEE FOUNDATION



FOUNDATION SECTION EXTERIOR GARAGE WALL @ MASONRY

NOTES. EXTERIOR GRADE -12" MINIMUM -BELOW GRADE

VENEER

INSTALL ½" DIA. ANCHOR BOLTS, SEE FOUNDATION

Details

108-20000

Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

COURSE GROUTED SOLID

—2x STUD WALL W/ P.T.

COURSE GROUTED SOLID

GROUP 1 CLASSIFIED SOIL

PLATE, SEE PLAN.

-8" CMU WALL TOP

-4" GRAVEL FILL OR

-COMPACTED SOIL

2x8 PT BEARING BLOCK,

FULL LENGTH OF PIER

- CONCRETE FOOTING,

SEE PLAN.

-CONCRETE FOOTING, SEE PLAN.

-FLOOR JOIST, SEE PLAN

P.T. PLATE — INSTALL ½" DIA. ANCHOR-BOLTS, SEE FOUNDATION -8" CMU WALL TOP

FOUNDATION SECTION

STEP VARIES

FOUNDATION SECTION

FLOOR JOIST, SEE PLAN

L JEXTERIOR GARAGE WALL

JEXTERIOR WALL

NOTES.

EXTERIOR GRADE —

12" MINIMUM -

BELOW GRADE

INSTALL ½" DIA. ANCHOR -

BOLTS, SEE FOUNDATION

EXTERIOR GRADE -

12" MINIMUM -

BELOW GRADE

GIRDER PER-

CMU PIER GROUTED

SOLID, SEE SCHEDULE

FOR SIZE AND HEIGHT

PLAN

LIMITS

NOTES.

- ENGINEERED RIM BOARD

∠2x STUD WALL W/ PLATE, SEE PLAN.

— CONCRETE FOOTING,

SEE PLAN.

VENEER TIES SHALL BE SPACED NOT MORE THAN 24" O.C. HORIZONTALLY AND VERTICALLY AND

FEET OF WALL AREA

INSTALL 1/2" DIA. ANCHOR

BOLTS, SEE FOUNDATION

MASONRY VENEER-

EXTERIOR GRADE —

12" MINIMUM -

BELOW GRADE

NOTES.

SHALL SUPPORT NOT MORE THAN 2 SQUARE

Δ.

FOUNDATION SECTION

EXTERIOR WALL @ MASONRY

VENEER

VENEER TIES SHALL BE

AND VERTICALLY AND

SHALL SUPPORT NOT MORE THAN 2 SQUARE

FEET OF WALL AREA

SPACED NOT MORE THAN 24" O.C. HORIZONTALLY

SEE PLAN

∕2× STUD WALL W/ PLATE, SEE PLAN. -ENGINEERED RIM BOARD

-8" CMU WALL, TOP

-12" CMU GROUTED

—CONCRETE FOOTING,

—2× STUD WALL W/ P.T.

SEE PLAN.

SOLID @ BRICK

COURSE GROUTED SOLID

>→P.T. PLATE

-FLOOR JOIST,

∕-2× STUD WALL W/

SLAB TO BELOW TOP

OF FOUNDATION WALL

PLATE, SEE PLAN. -ENGINEERED RIM BOARD FLOOR JOIST, SEE PLAN INSTALL ½" DIA. ANCHOR BOLTS, SEE FOUNDATION NOTES. P.T. PLATE -8" CMU WALL TOP TURN DOWN PORCH —

COURSE GROUTED SOLID

— CONCRETE FOOTING,

SEE PLAN. SEE ARCHITECTURAL DETAILS

FOR WATERPROOFING AT PORCH SLAB/WOOD FRAMING. FOUNDATION SECTION

VENEER TIES SHALL BE

VERTICALLY AND SHALL

MASONRY VENEER -

TURN DOWN PORCH -

SLAB TO BELOW TOP

OF FOUNDATION WALL

SPACED NOT MORE THAN

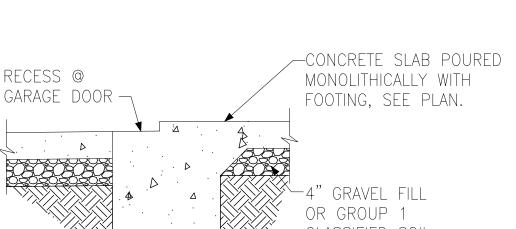
24" O.C. HORIZONTALLY AND

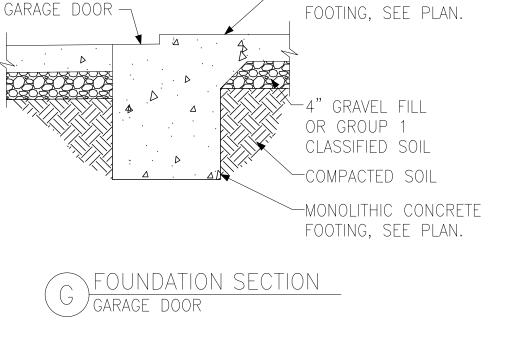
SUPPORT NOT MORE THAN 2

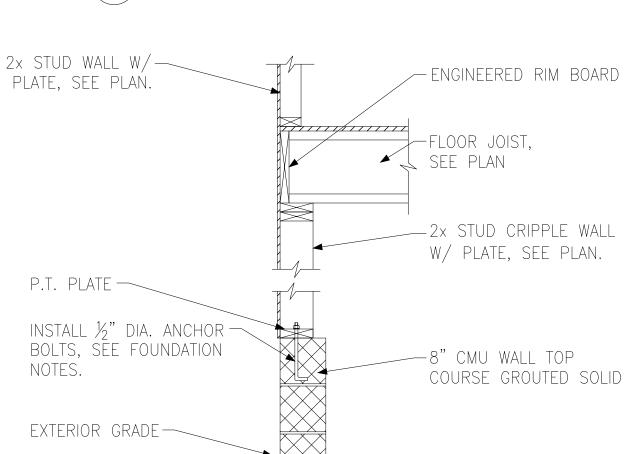
SQUARE FEET OF WALL AREA-

TOUNDATION SECTION JEXTERIOR WALL AT PORCH

D D



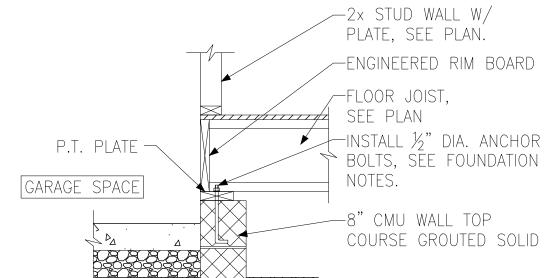




- CONCRETE FOOTING, SEE PLAN.

VENEER LIVING SPACE

/exterior wall at porch w/ masonry



—2× STUD WALL W∕

PLATE, SEE PLAN.

INSTALL ½" DIA. ANCHOR

12" CMU GROUTED

-CONCRETE FOOTING,

-CONCRETE FOOTING,

SEE PLAN.

SOLID @ BRICK

SEE PLAN.

BOLTS, SEE FOUNDATION

FLOOR JOIST,

NOTES.

-P.T. PLATE

SEE PLAN

-ENGINEERED RIM BOARD



PIER AND FOOTING SCHEDULE PIER HEIGHT PIER SIZE MIN. FOOTING SIZE UP TO 2'-8" 8" x 16" 24" x 24" x 12" U.N.O.

PIERS SHALL BE CAPPED WITH 8" OF SOLID MASONRY OR CONCRETE OR TOP COURSE FILLED SOLID WITH CONCRETE/MORTAR. PIERS OVER 5'-4" SHALL BE BE FILLED SOLIDLY WITH CONCRETE OR TYPE M OR S MORTAR. FOR PIERS OVER 8'-0" CONTACT KSE

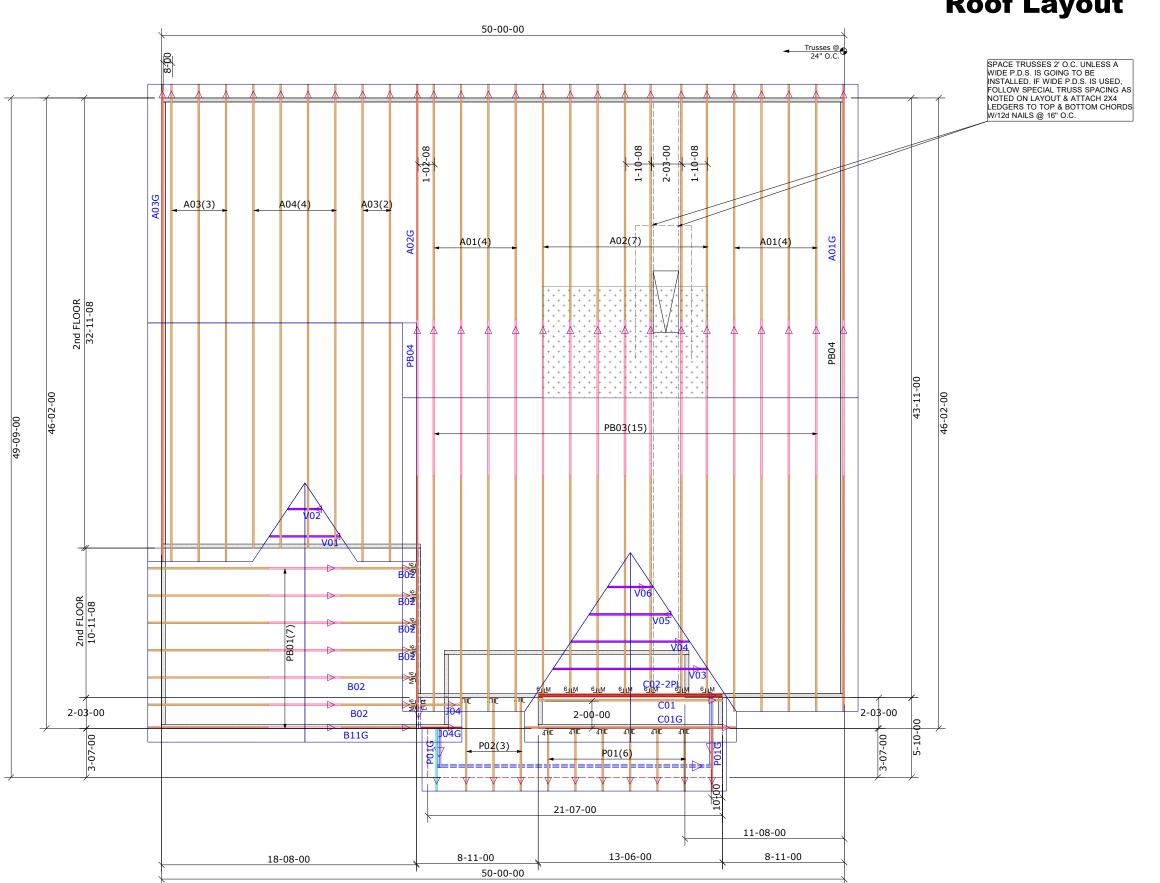
ENGINEERING FOR PIER AND FOOTING DESIGN.



IEERING

KERTOWN, PA 18951
(215) 804 - 4449

Roof Layout





Builders First Source 23 Red Cedar Way Apex, NC 27523 Phone: (919) 363-4956 Fax: (919) 387-8565 https://www.bldr.com

- Per ANSI/TPI 1-2002 all " Truss to Wall" connections are the responsibility of the Building Designer, not the Truss Manufacturer.

- Dimensions are Feet-Inches- Sixteenths.
 Trusses are to be 24" o.c. unless noted otherwise
- Trusses are not designed to support brick U.N.O.
- Do not cut or modify trusses without first contacting Builders FirstSource.
 Immediately contact Builders FirstSource if

trusses are damaged.

- <u>Connection Notes:</u>
 All hangers are to be Simpson or equivalent U.N.O. - Use Manufacturer's specifications for all hanger
- connections U.N.O.

 Use 10d x 1 1/2" Nails in hanger connections to single ply roof girder trusses.

Floor notes: - Shift truss as required to avoid plumbing traps.

- Installation Contractor and/or Field Supervisor are to verify all dimensions, trap locations, and options prior to

Dimension Notes:

- Drawing not to scale. Do not scale dimensions

 \triangle \triangleleft ∇ \triangleright LEFT END OF TRUSS AS SHOWN ON TRUSS DETAIL DRAWINGS ARE INDICATED BY TRIANGLE ICONS.



HANGER LIST ALL TIE DOWNS H2.5A UNLESS NOTED

10	LUS		L) [4	SPEC:	IAL ITEMS LIST	
6	HTU:	26	Mj [6			
				MIS	SC MATERIAL	
		(CARUS	O HOME	ES	
	State	sville		ELEV:	3	
			Magno	olia Acre	es	
	County NC		LOT:	56		
					APPWRIGHT #	
	• [OPTION 1]			4558502		
	• [OPTION 2] • [OPTION 3]		CODE:	IRC 2015		
			<u>WIND:</u>			
I				M.P.H.	115 MPH	
DES	IGNED BY:	Y	G	HAT	<u>CH LEGEND</u>	
-				+ + +	+	_

Summation of limited excerpts of the Code, ANSI/TPI 1-2014, and BCSI, and associated commentary, are provid ed within the truss submittal package in the Builders First-Source Component Truss Responsibility and Liability Disclosure. These critical excerpts include, among other elements critical sefety informations well as pacific Scope. ments, critical safety information as well as specific Scope of-Work assignments (and limitations of the same) for the Owner, Contractor, Building Designer, Truss Designer, and Truss Manufacturer.It is essential that ALL parties to the design and use of the trusses review and become familiar with the information provided in the Builders FirstSource Component Truss Responsibility and Liability Disclosure, a well as the referenced sources, prior to performing work or the associated project.

L/O DATE: 3/27/2025

ATTIC ROOM