# BIRCH II **ELEVATION A**



# **ROAD**

**INCLUDED OPTIONS:** 1st FLOOR **SCREENED PORCH GOURMET KITCHEN FIREPLACE** FIXED WINDOWS @ FAMILY ROOM STUDY ILO DINING ROOM **FIXED WINDOWS @ STUDY TRAY CEILING @ OWNERS OWNERS SPA SHOWER BENCH @ MUD ROOM** LAUNDRY SINK **GARAGE SERVICE DOOR** 2nd FLOOR **UNFINISHED STORAGE** 

	B/(02 110002 0Q0/(1(2 1 001/(02 0/(200					10110		
LEVATION	1st FL.	2nd FL.	TOTAL FIN.	PORCH	COV'D. F	PORCH	GARAGE	
LEV. A			2,736 s.f.				415 s.f.	
OPTION	S SQUA	RE FOO	TAGE CAL	CULATI	ONS			
OPTIONS:			1s	t FLOOR				
IREPLACE	"A"				+12 s.f.			
I' GARAGE E	EXTENSION	N .			+80 s.f.			
JNFINISHED	STORAGE				+117 s.f.			

**BASE HOUSE SQUARE FOOTAGE CALCULATIONS** 

# **TOBACCO LOT 12**



1/	8"	=1'-	-0"	
RELEASE DATE $12-1-2023$	PROJECT NUMBER	         	OPTION NO.	

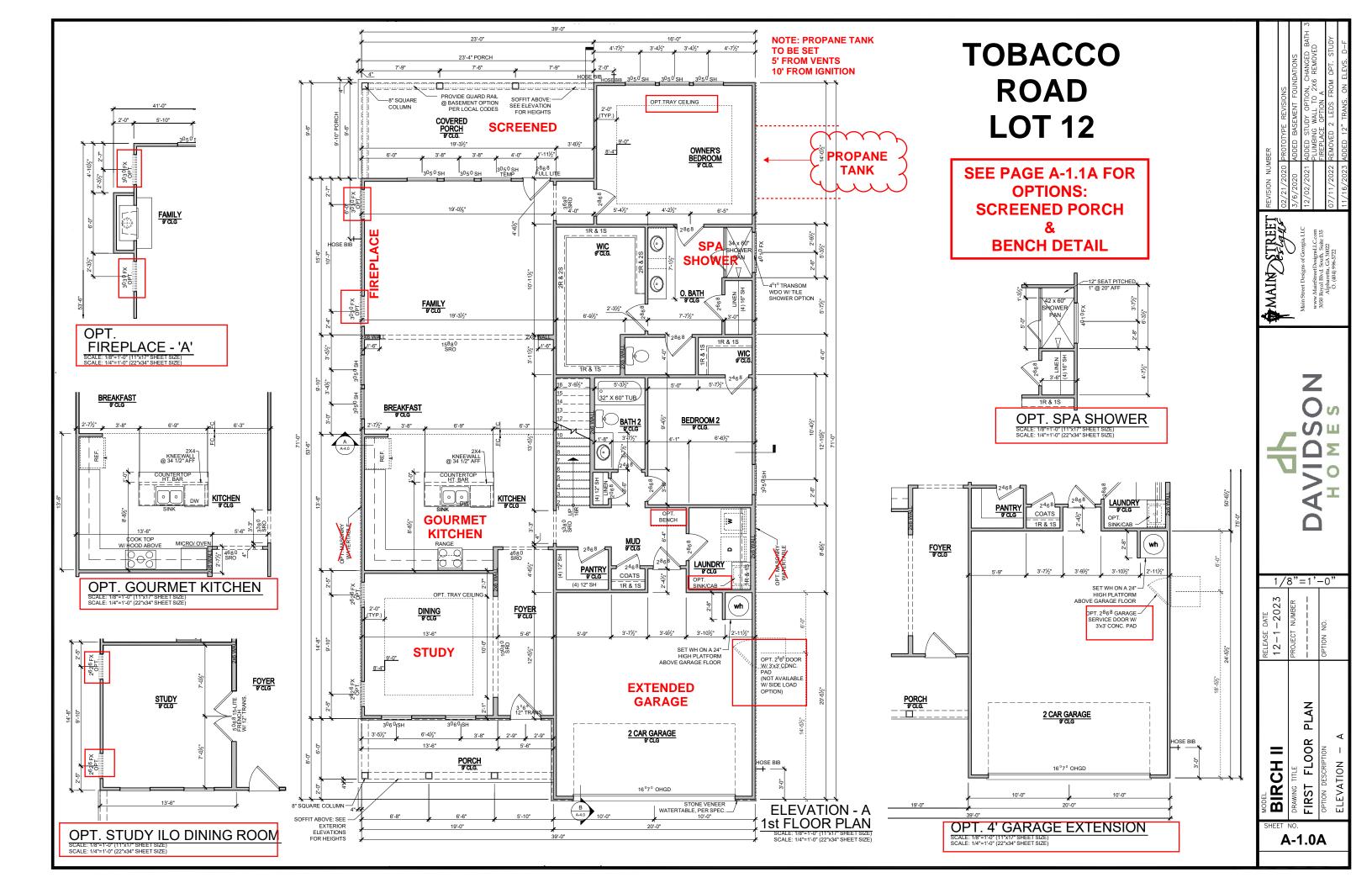
BIRCH II	DRAWING TITLE	COVER SHEET	OPTION DESCRIPTION
SHEET	NO.		

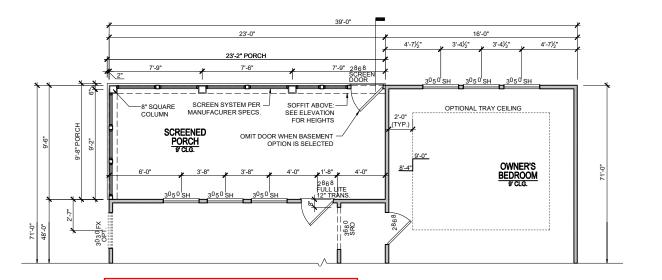
TOTAL UNDER

**ROOF** 

3,368 s.f.

**CS-1.0** 





1st FLOOR PLAN
OPT. SCREENED PORCH
SCALE: 1/8"=1"-0" (22"x34" SHEET SIZE)
SCALE: 1/4"=1"-0" (22"x34" SHEET SIZE)

3-5/8" CROWN w/ 1x6 CAP

1X6 TRIM BOARD

1 COAT HOOK PER SPEC

1X4 TRIM BOARD

@ CENTERLINE

BEAD BOARD

1X4 TRIM BOARD

1X4 TRIM BOARD

1X4 TRIM BOARD

3/4" BOARD TOP

3/4" BOARD TOP

3/4" BOARD TOP

3/4" FLOOR

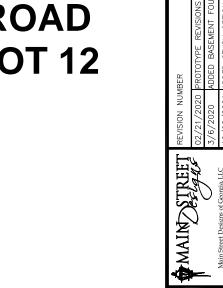
3/4" FLOOR

3/4" FLOOR

1-4" U.N.O.

OP 1. BENCH DE TAIL

SCALE: 3/4"=1"-0" (22"x34" SHEET SIZE)



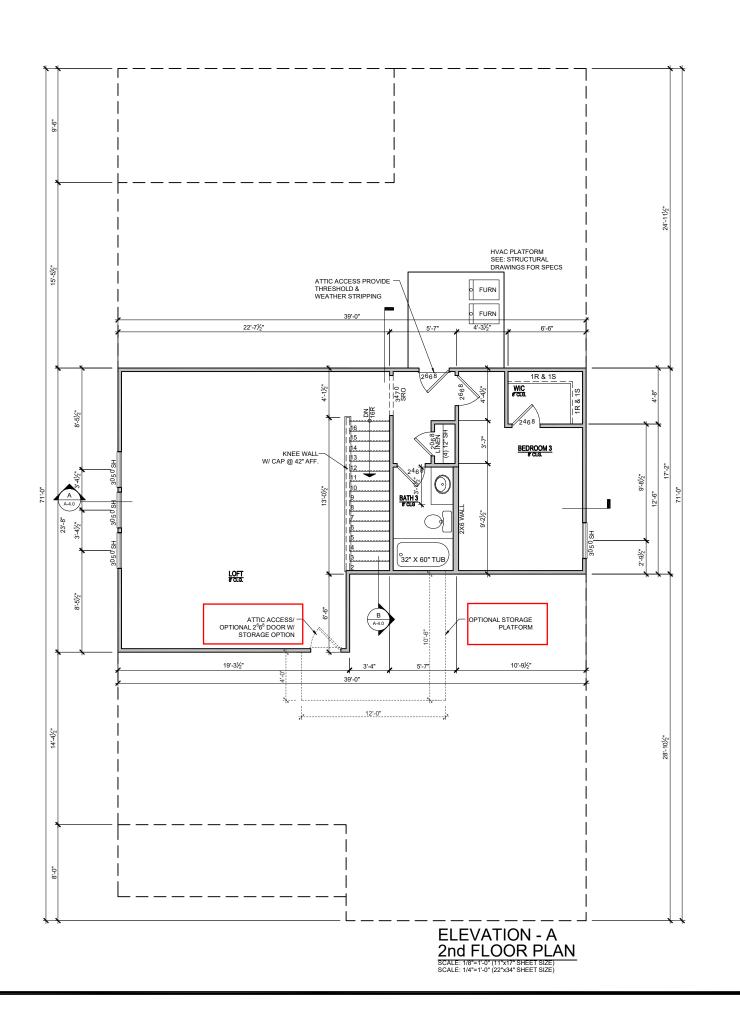


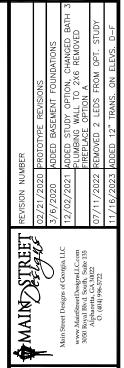
1/	8"=	1'-	-0"	
12-1-2023	PROJECT NUMBER	       	OPTION NO.	

	PLAN		
	OR	NC	∢
TITLE	FIRST FLOOR	OPTION DESCRIPTION	VIION
DRAWING TITLE	FIRST	OPTION	ELEVATION

A-1.1A

BIRCH II







	o.''	4,	0"
1/8	8"=	:1 '-	-0"
12-1-2023	PROJECT NUMBER	  -  -  -  -  -	OPTION NO.
		NA	

DRAWING HILE	SECOND FLOOR PLAN	OPTION DESCRIPTION	ELEVATION – A	
URAW	SEC	OPTIC	ELE	l

A-2.0A

BIRCH II

# OPT. 4:12 FIREPLACE ROOF 10:12 10:12

#### BIRCH II- OPT. GARAGE EXTENSION **ELEVATION -A- ROOF PLAN**

#### ATTIC VENT CALCULATIONS

#### NOTES:

- GENERAL CONTRACTOR SHALL VERIFY THE NET FREE - GENERAL CON HAGGIOR SHALL VERHEY HE NE I FREE VENTILATION OF THE VENT PRODUCT SELECTED BY OWNER. VERHEY WITH MANUFACTURER OF HIGH AND LOW VENTS TO BE USED FOR MINIMUM CALCULATED VENTS REQUIRED. THE REQUIRED VENTILATION SHALL BE MAINTAINED. PROVIDE INSULATION STOP SUCH THAT INSULATION DOES NOT OBSTRUCT FREE AIR MOVEMENT AS REQUIRED BY THE BUILDING OFFICIAL.

ALL OVERLAP FRAMED ROOF AREAS SHALL HAVE

OPENINGS BETWEEN THE ADJACENT ATTICS IN THE ROOF SHEATHING (AS ALLOWED BY THE STRUCTURAL ENGINEER)
TO ALLOW PASSAGE AND ATTIC VENTILATION
BETWEEN THE TWO OR ISOLATED ATTIC SPACES SHALL BE VENTED INDEPENDENTLY TO CBC REQUIREMENTS.

PER DEVELOPER, AT ALL CANTILEVERED FLOORS, CANTILEVERED ARCHITECTURAL POP-OUTS, AND ANY DOUBLE FRAMING PROJECTIONS THAT ARE SEPARATED FROM THE VENTING CALCULATIONS SHOWN ABOVE, PROVIDE A CONTINUOUS 2" CORROSION RESISTANT SOFFIT VENT AT UNDERSIDE OF FRAMED ELEMENT.

ALL ROOF DRAINAGE SHALL BE PIPED TO STREET OR APPROVED DRAINAGE FACILITY.

- DASHED LINES INDICATE WALL BELOW.

- LOCATE GUTTER AND DOWNSPOUTS PER BUILDER.

- PITCHED ROOFS AS NOTED.

TRUSS MANUFACTURER SHALL SUBMIT STRUCTURAL CALCS AND SHOP DRAWINGS TO THE BUILDER'S GENERAL CONTRACTOR AND BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATIONS

ALL PLUMBING VENTS SHALL BE COMBINED INTO A MINIMUM AMOUNT OF ROOF PENETRATIONS. ALL ROOF PENETRATIONS SHALL OCCUR TO THE REAR OF THE MAIN RIDGE

#### 4' GARAGE EXTENSION

2811 SQ FT UNDER ROOF ATTIC
300 SQ FT / 1 SQ FT = 9.37 SQ FT VENTILATION

RIDGE VENTS 18 SQ IN = (.125 SQ FT) VENTED SOFFIT 9 SQ IN = (.0625 SQ FT) BOX VENTS 50 SQ IN = (.347 SQ FT) INTAKE VENTS 36 SQ IN = (.25 SQ FT)

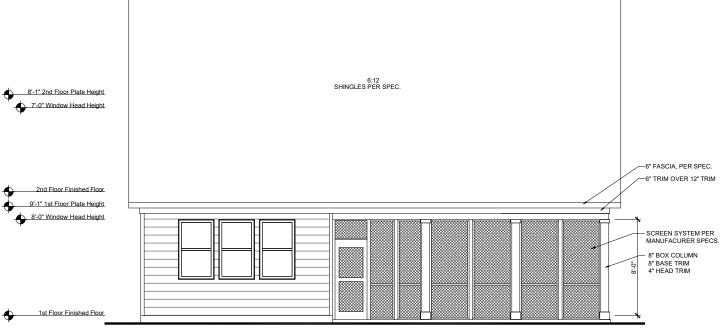
9.37 SQ FT x 50% 4.685 SQ FT OF RIDGE 9.37 SQ FT x 50% 4.685 SQ FT OF SOFFIT

4.685 SQ FT 4688 SQ FT 4688 SQ FT 4688 SQ FT 4688 SQ FT 50 FT 50 FTI VENT 4688 SQ FT

 $\frac{4.685 \quad \text{SQ FT}}{0.0625 \quad \text{SQ FT}} = 75.0 \quad \text{FEET OF VENTED SOFFIT}$ 

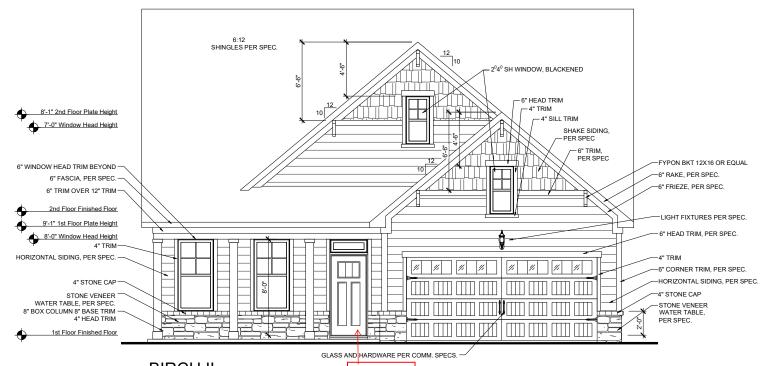
RIDGE VENT PROVIDED VENTED SOFFIT PROVIDED # BOX VENTS @ RIDGE # INTAKE VENTS @ SOFFIT

**TOBACCO ROAD LOT 12** 



**BIRCH II - SCREENED PORCH REAR ELEVATION** 

SCALE: 1/8"=1'-0" (11"X17" SHEET SIZE SCALE: 1/4"=1'-0" (22"X34" SHEET SIZE

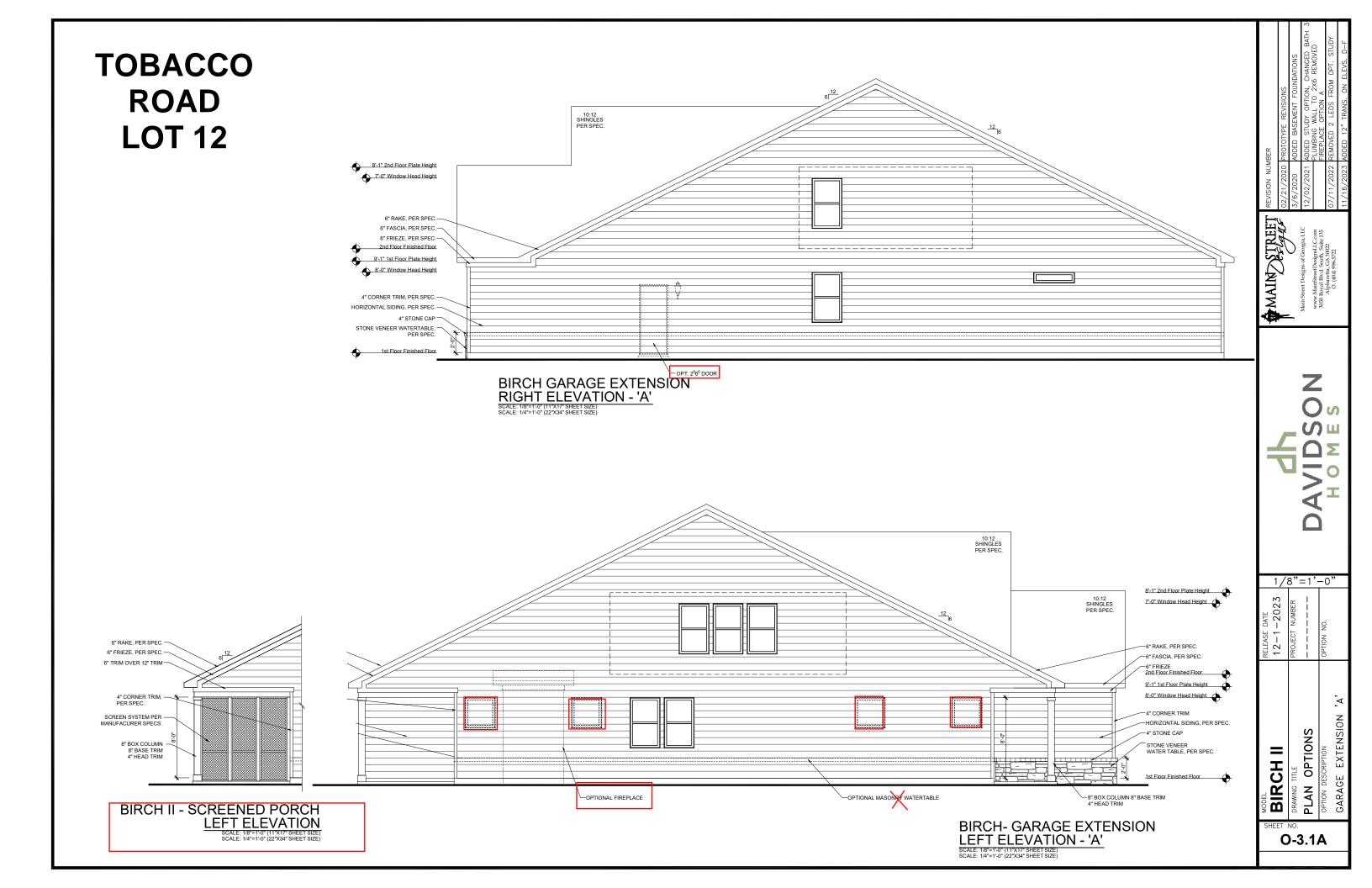


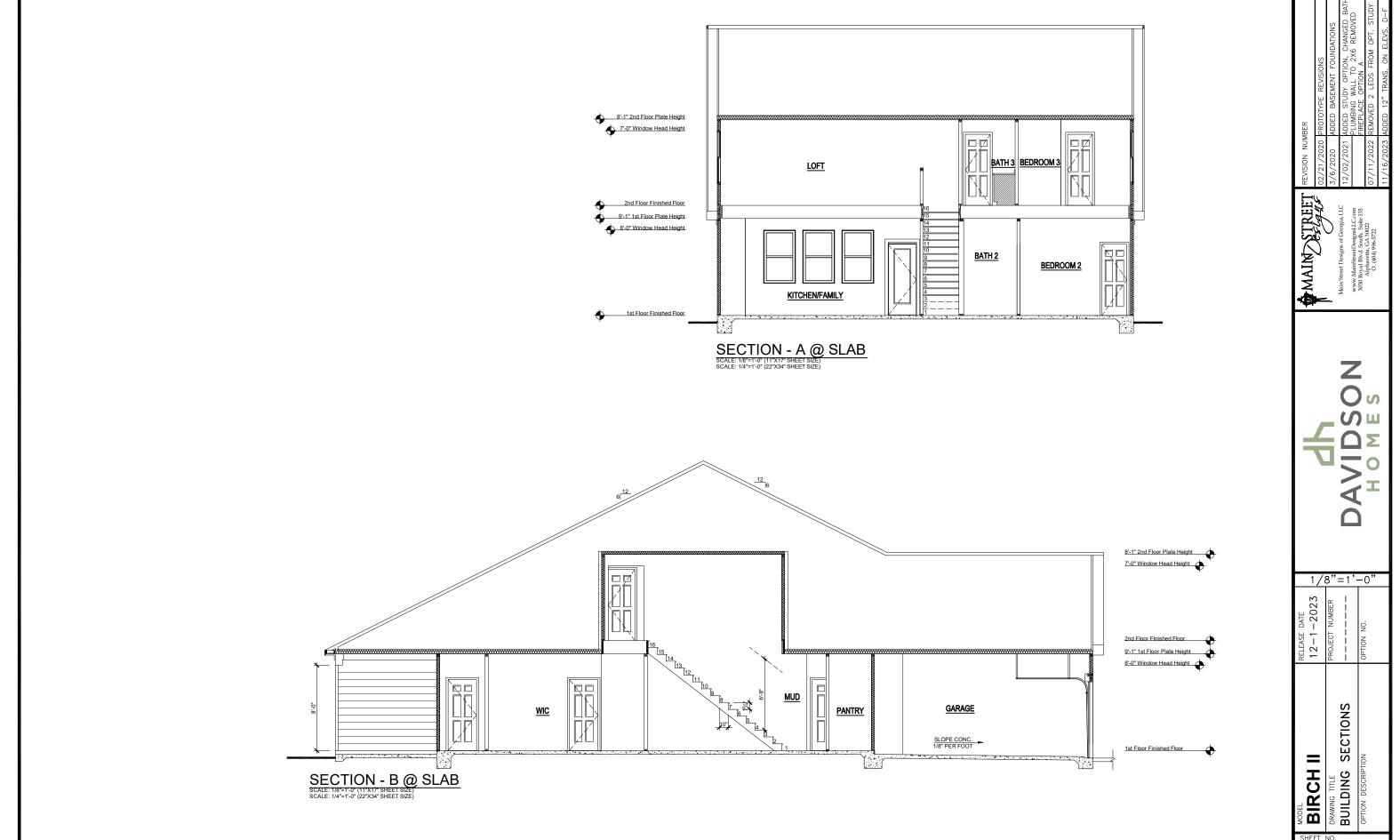
BIRCH II 1/4 LITE CRAFTSMAN FRONT ELEVATION - 'A' DOOR ILO SCALE: 1/8"=1'-0" (11"X17" SHEET SIZE) SCALE: 1/4"=1'-0" (22"X34" SHEET SIZE)

MAINSTREET

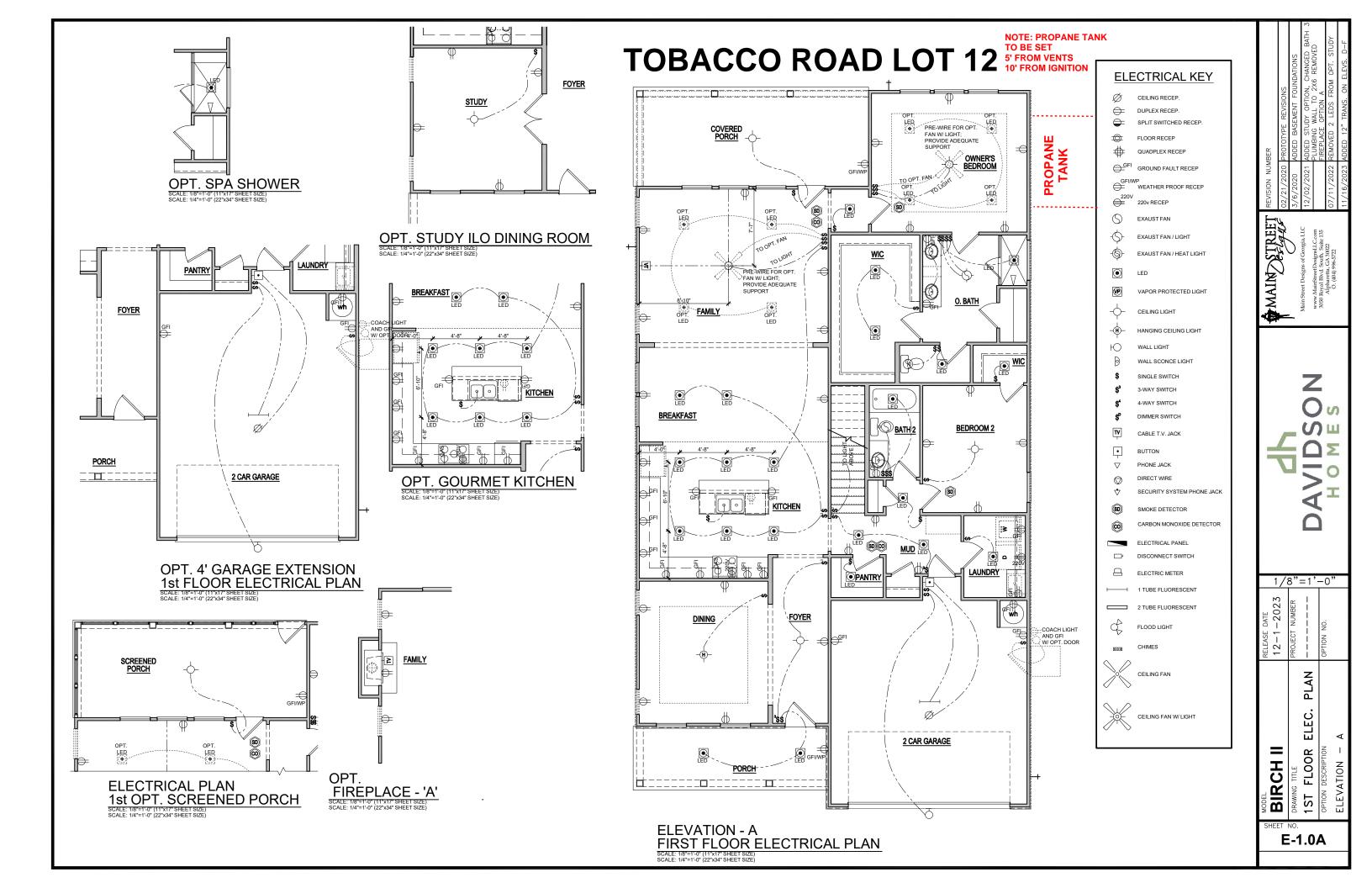
1/8"=1'-0' RELEASE PLAN ROOF ELEV/ BIRCH

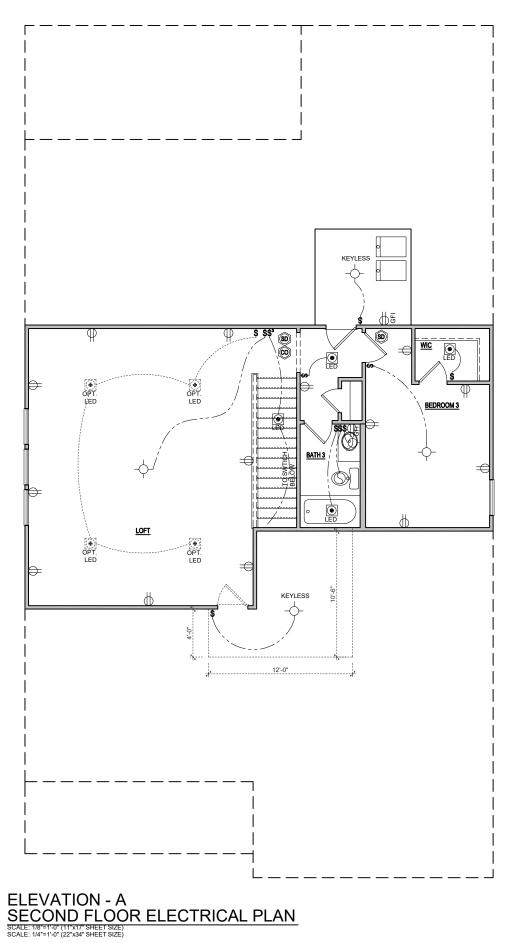
A-3.0A





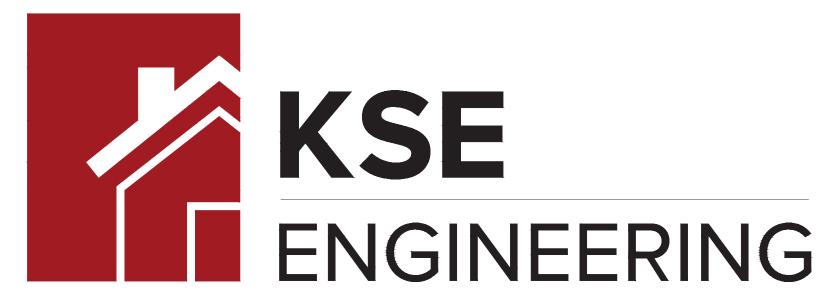
A-4.0A





MAIN STREET 1/8"=1'-0" SECOND FLOOR
OPTION DESCRIPTION
ELEVATION — A BIRCH II

E-2.0A



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

# THE BIRCH II ABC

# 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 SHALL NOTIFY KSE ENGINEERING, P.C. BEFORE CONSTRUCTION BEGINS. IT IS THE INTENT OF THE ENGINEER LISTED ON THESE DOCUMENTS THAT THESE DOCUMENTS BE ACCURATE, PROVIDING LICENSED PROFESSIONALS CLEAR INFORMATION. EVERY ATTEMPT HAS BEEN MADE TO PREVENT ERROR. THE BUILDER AND ALL 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/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

\*NOTE: STRUCTURAL FRAMING HAS NOT BEEN DESIGNED FOR TILE, 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 = 45 PCF

FROST DEPTH = 12" MINIMUM

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

THIS PLAN HAS BEEN DESIGNED PER THE 2018 EDITION OF THE NC RESIDENTIAL CODE. WHERE FRAMING, FOUNDATION, OR OTHER STRUCTURAL ITEMS DO NOT COMPLY WITH THE PRESCRIPTIVE METHODS OF THE CODE, THOSE ITEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE PER NCRC R301.1.3.



Project #: 214-23005

Designed By: AAM

Checked By: KRK

Issue Date: 12/6/23

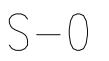
Re-Issue:

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

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

Sheet

Cover



| Mode| 'A', 'B'

Elevations

#### 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. 1/2" 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 3/2" 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 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.
- 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
- 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, 1/2" 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. MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR 2. RAFTERS SHALL BE SUPPORTED BY PURLINS AND PURLIN BRACES 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.
- 5. 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:

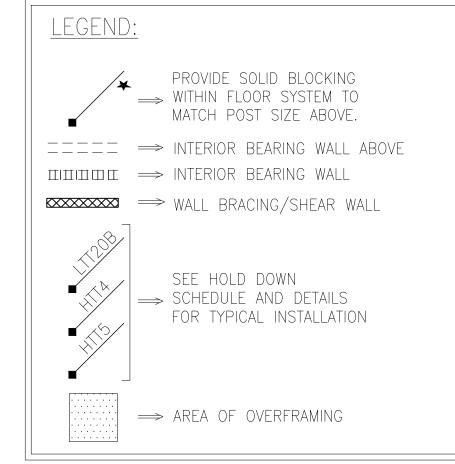
- 1. FABRICATION AND PLACEMENT OF STRUCTURAL WOOD SHEATHING SHALL BE IN ACCORDANCE WITH THE APA DESIGN/CONSTRUCTION GUIDE "RESIDENTIAL AND COMMERCIAL," AND ALL OTHER APPLICABLE APA STANDARDS.
- 2. ALL REQUIRED WOOD SHEATHING SHALL BEAR THE MARK OF THE APA.
- 3. WOOD WALL SHEATHING SHALL COMPLY WITH THE 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  $\frac{7}{6}$ " 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  $\frac{1}{8}$ " 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
- 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.

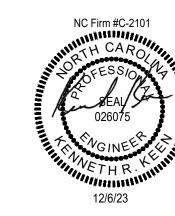
- STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND OF THE MANUAL OF STEEL CONSTRUCTION "LOAD RESISTANCE FACTOR DESIGN" LATEST EDITIONS.
- 2. ALL STEEL SHALL HAVE A MINIMUM YIELD STRESS (F<sub>v</sub>) 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)  $\frac{1}{2}$ " 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 ½" DIAMETER BOLTS AT 24"

- 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.



BRICK	VENEER LINTEL SC	HEDULE
SPAN	LINTEL SIZE	END BEARING
UP TO 3'-0"	3½"×3½"×¼"	4"
UP TO 6'-3"	5"x 3½"x516" L.L.V.	8"
UP TO 9'-6"	6"x3½"x516" L.L.V.	12"

SPANS OVER 4'-0" SHALL BE SHORED UP UNTIL CURED.





Note

ctural

 $\Box$ 

 $\bigcirc$ 

 $\bigcirc$ 

 $\bigcirc$ 

 $\bigcirc$ 

 $\sim$ 

 $\bigcirc$ 

 $\bigcirc$ 

Project #: 214-22000

Designed By: KRK Checked By: Issue Date: 3/6/23

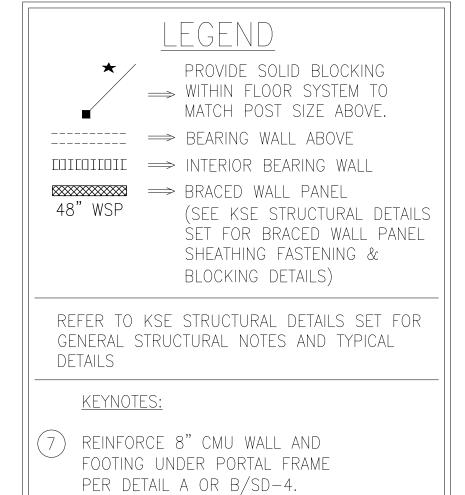


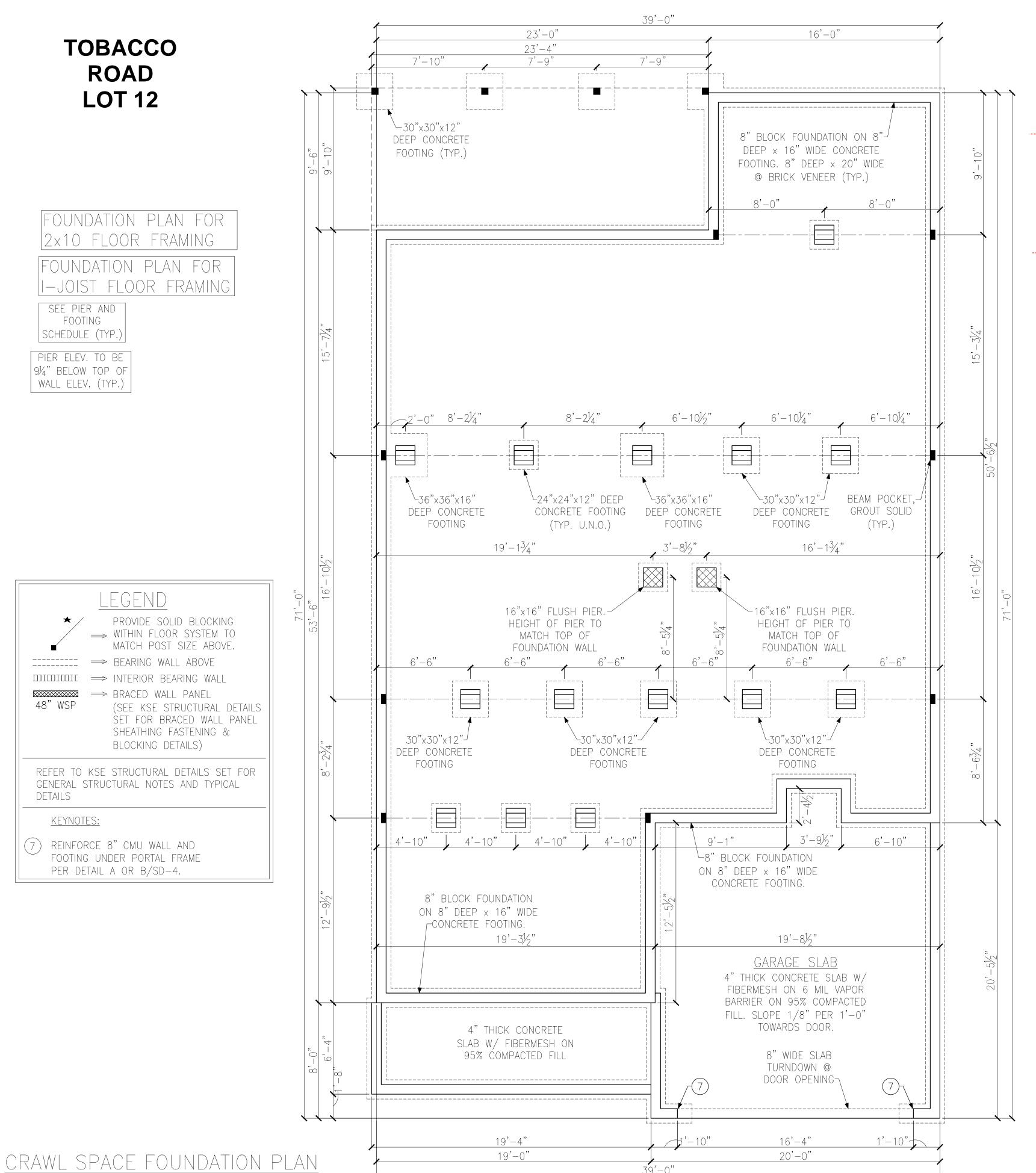
FOUNDATION PLAN FOR 2x10 FLOOR FRAMING

FOUNDATION PLAN FOR -JOIST FLOOR FRAMING

SEE PIER AND FOOTING SCHEDULE (TYP.)

PIER ELEV. TO BE 9¼" BELOW TOP OF WALL ELEV. (TYP.)





**PROPANE TANK** 

**NOTE: PROPANE TANK TO BE SET 5' FROM VENTS 10' FROM IGNITION** 

19'-3½" 19'-81/2" GARAGE SLAB 4" THICK CONCRETE SLAB W/ FIBERMESH ON 6 MIL VAPOR BARRIER ON 95% COMPACTED FILL. SLOPE 1/8" PER 1'-0" TOWARDS DOOR. 4" THICK CONCRETE SLAB W/ FIBERMESH ON 95% COMPACTED FILL 8" WIDE SLAB TURNDOWN @ DOOR OPENING 19'-4" 16'-4" 19'-0" 20'-0" PARTIAL FOUNDATION PLAN OPT. 4'-0" GARAGE EXTENSION

NC Firm #C-2101

Plans Foundation

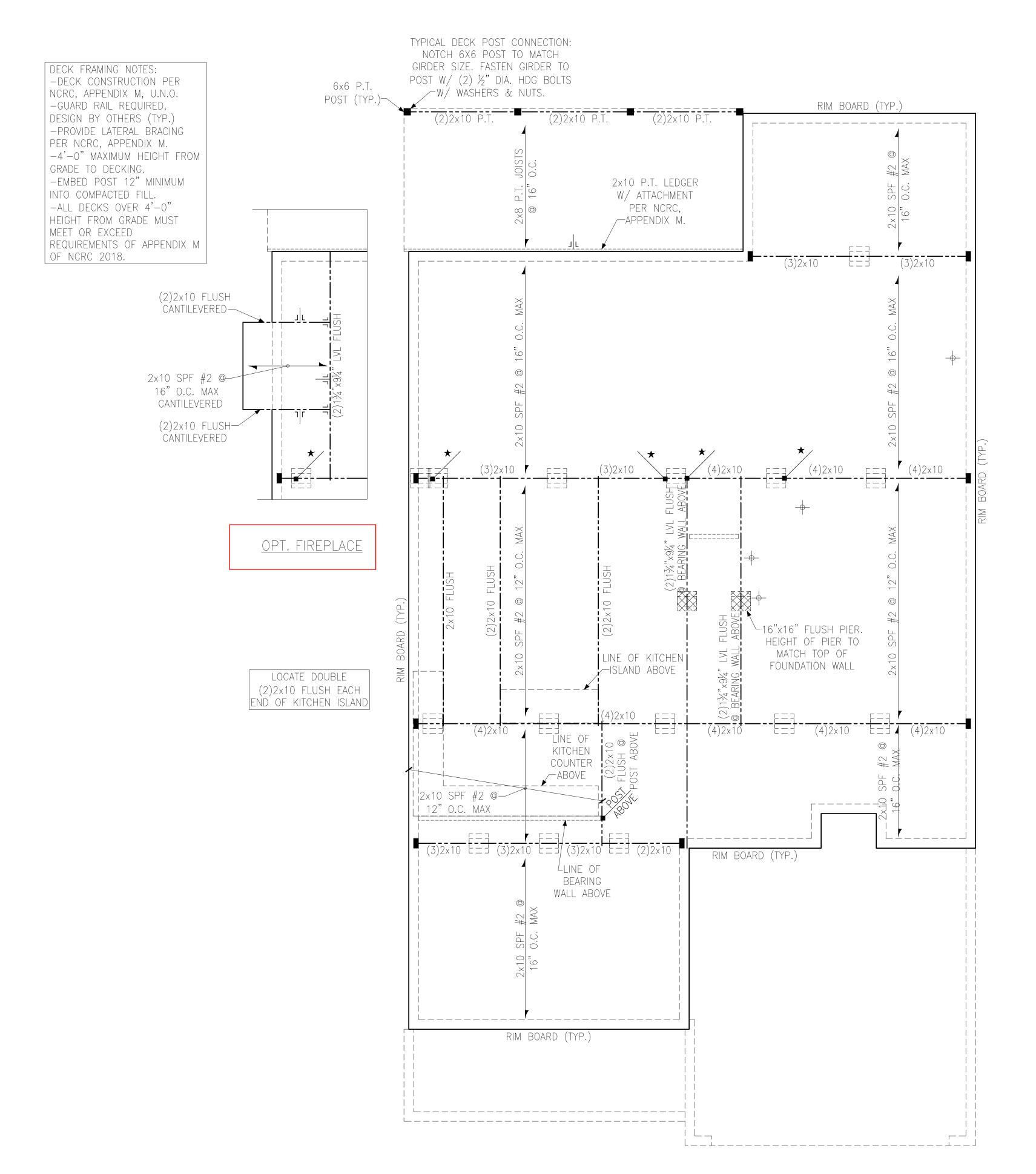
Project #: 214-23005 Designed By: AAM

Model

Checked By: KRK Issue Date: 12/6/23

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

S-1.8



CRAWL SPACE FOUNDATION PLAN ELEVATION 'A'





NOTE:
BEAMS, HEADERS AND
FLOOR JOISTS MAY BE SYP
#2 GRADE LUMBER.

# LEGEND

PROVIDE SOLID BLOCKING

WITHIN FLOOR SYSTEM TO MATCH POST SIZE ABOVE.

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 2x10 SPF #2 @ 16" O.C. MAX OR EQUAL (U.N.O.).



S | ND | C |

Joists

2×10

Plan

Framing

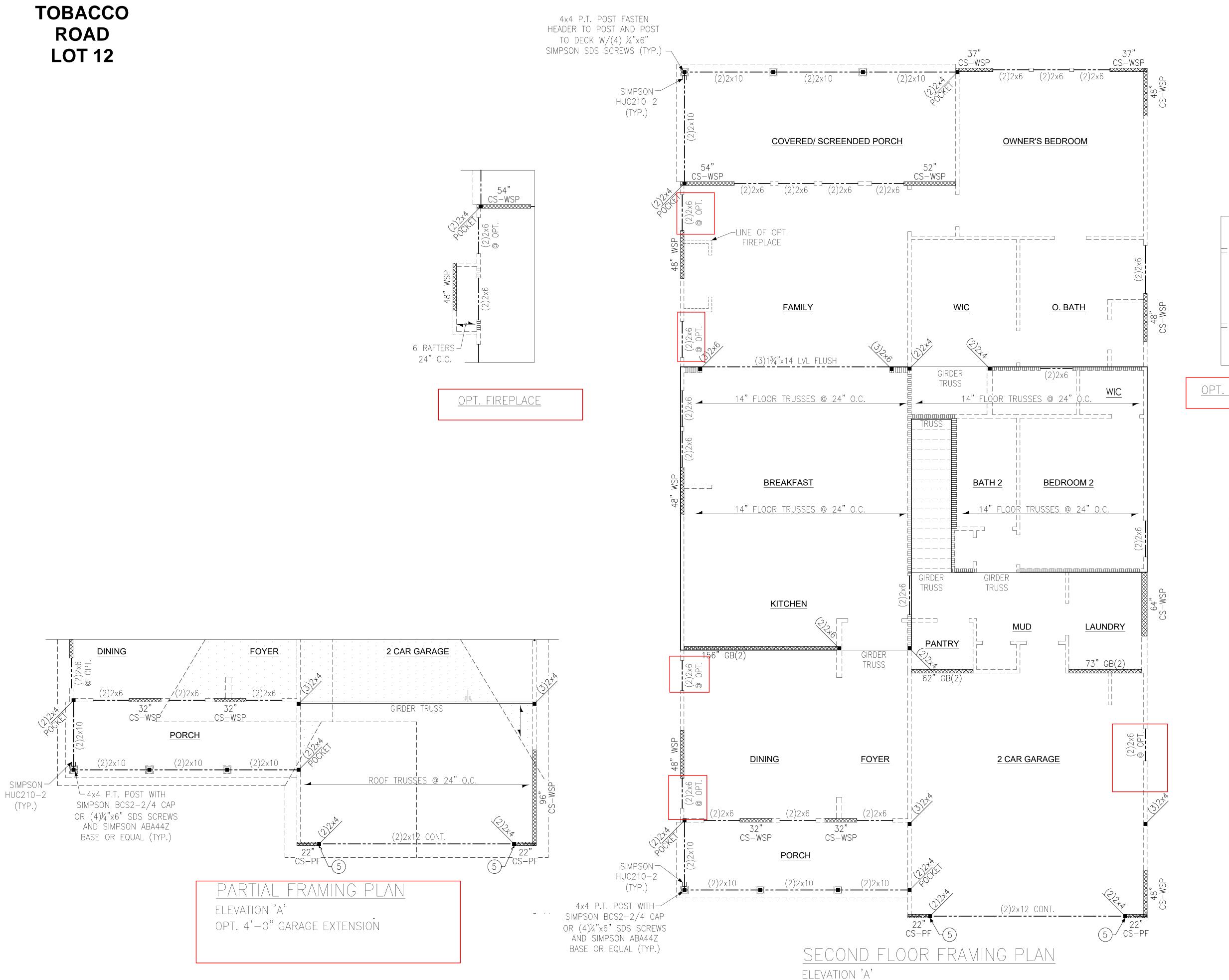
Space

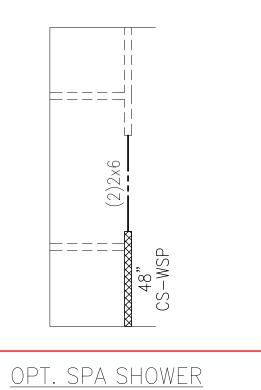
9

Designed By: AAM
Checked By: KRK
Issue Date: 12/6/23

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

S - 2.3





<u>NOTE:</u> BEAMS, HEADERS AND FLOOR TRUSSES MAY BE SYP #2 GRADE LUMBER.

# LEGEND

PROVIDE SOLID BLOCKING

WITHIN FLOOR SYSTEM TO

MATCH POST SIZE ABOVE.

IDITITIETIET → INTERIOR BEARING WALL

SET FOR BRACED WALL PANEL

SHEATHING FASTENING &

BLOCKING DETAILS)

→ NO HEADER REQUIRED

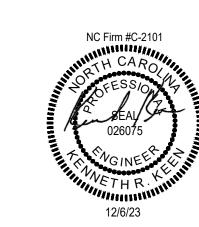
REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS

#### PLAN DESIGNED WITH 9' WALL PLATES

FLOOR FRAMING TO BE 14" DEEP OPEN WEB TRUSSES @ 24" O.C. MAXIMUM OR EQUAL (U.N.O.).

### <u>KEYNOTES:</u>

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



Project #: 214-23005

Designed By: AAM

Designed By: AAM
Checked By: KRK
Issue Date: 12/6/23

russes

F 0 (

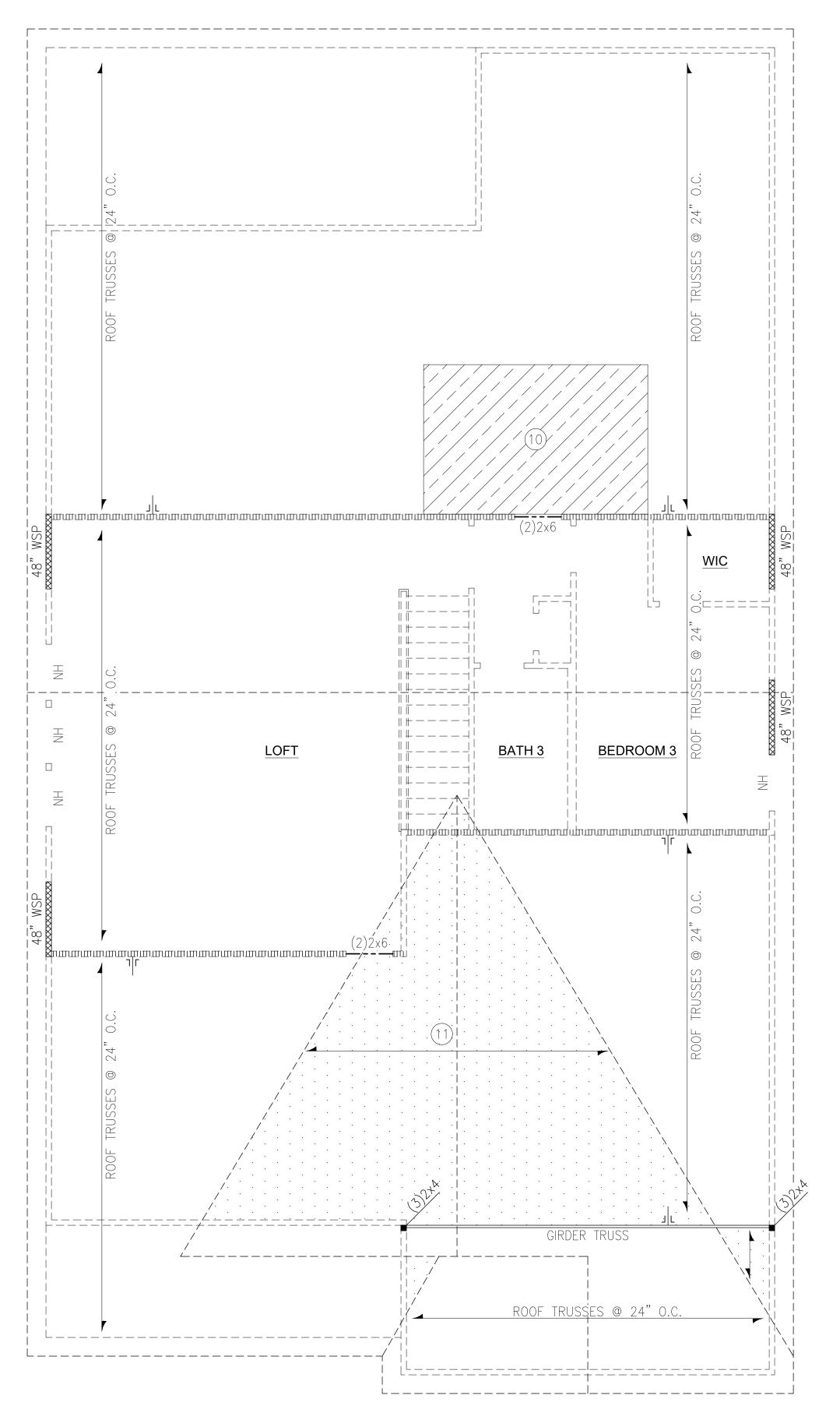
Plans

raming

Option

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

S-3T



ROOF FRAMING PLAN ELEVATION 'A'





NOTE:
BEAMS, HEADERS AND
FLOOR JOISTS MAY BE SYP
#2 GRADE LUMBER.

## LEGEND

PROVIDE SOLID BLOCKING

WITHIN FLOOR SYSTEM TO

MATCH POST SIZE ABOVE.

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

NH 
NO HEADER REQUIRED

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

PLAN DESIGNED WITH 8' WALL PLATES

<u>KEYNOTES:</u>

- 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.)
- (12) 2x6 RAFTERS @ 24" O.C. ON 2x4
  RAKED KNEE WALLS. PROVIDE 2x4
  BLOCKING BETWEEN TRUSSES UNDER
  KNEE WALLS. (TYP.)



Roof Fr Elevatio The Bir Raleigh,

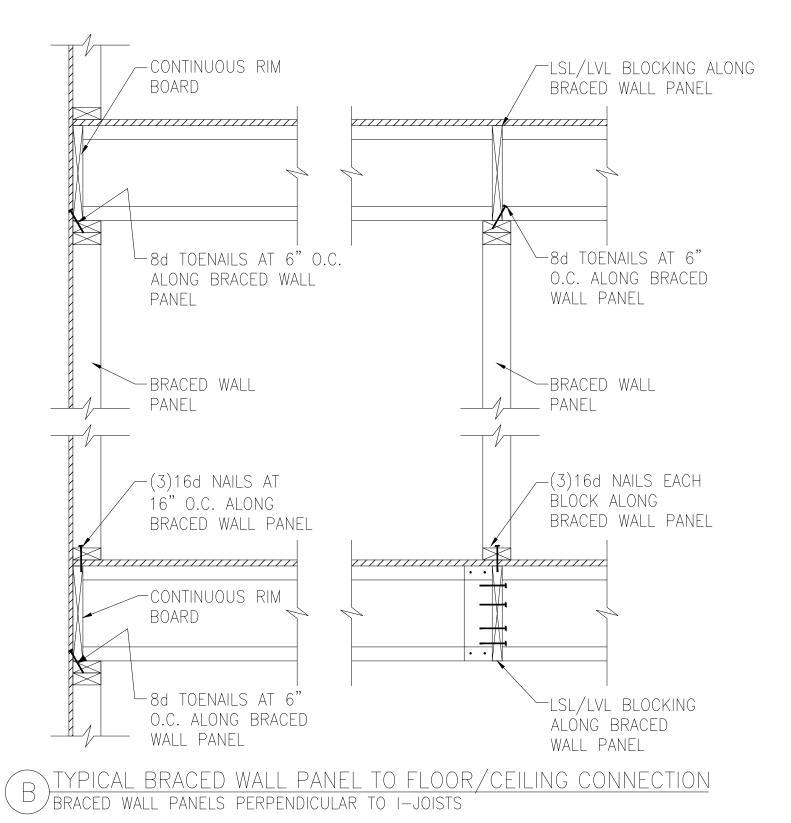
Project #: 214-23005
Designed By: AAM

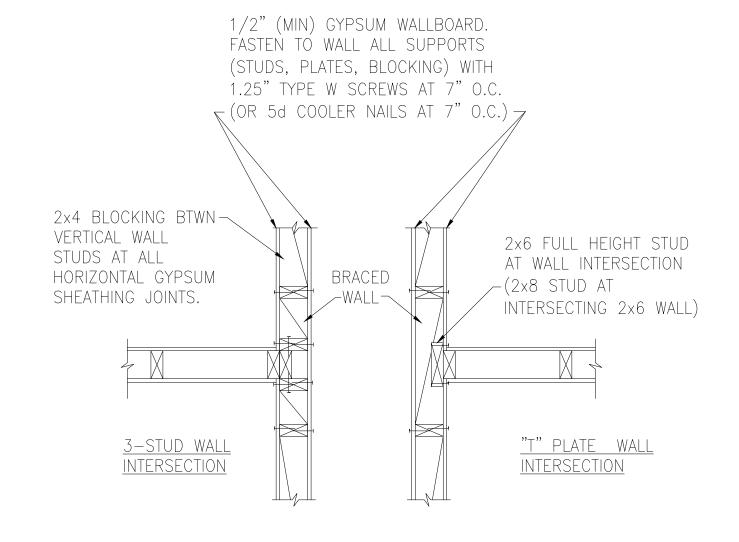
Checked By: KRK

Issue Date: 12/6/23

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

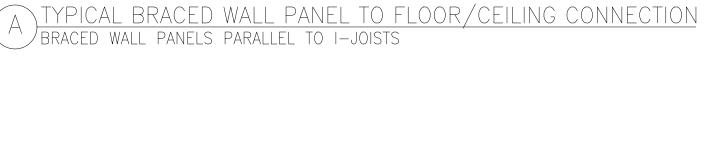
5-4





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

 $\nearrow$  METHOD GB(1) AND GB(2) INTERSECTION DETAILS



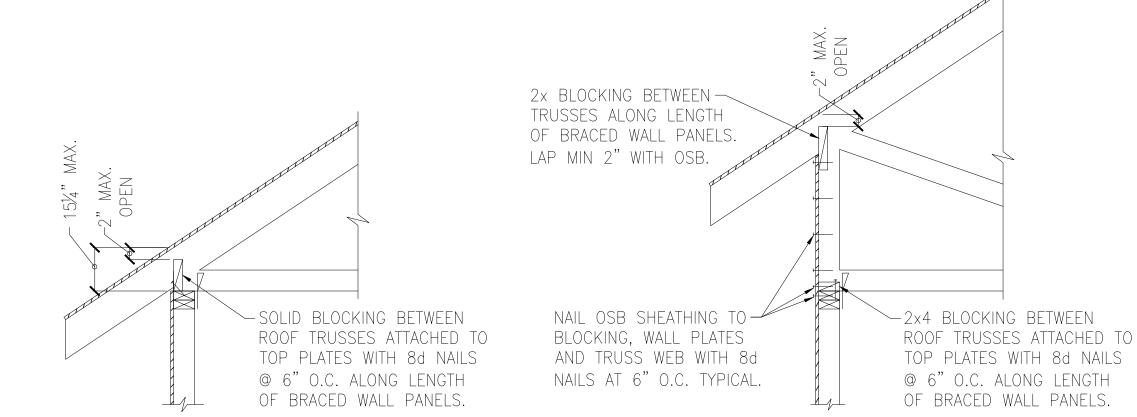
\_ 8d NAIL @ 6" O.C. AT ALL EDGES AND 12" O.C. TYPICAL

AT ALL OTHER

MEMBERS

@ 12° O.C.

→ GYPSUM BOARD



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

BRACED WALL PANEL

HEEL HEIGHT GREATER 15"

D TYPICAL EXTERIOR CORNER WALL FRAMING

EXTERIOR

SHEATHING -

GYPSUM BOARD-

16d NAIL -

EXTERIOR SHEATHING

@ 12° O.C.

INSIDE CORNER PLAN VIEW

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



Details  $\mathbb{M}_{Q} \|$ 

Ced $\bigcirc$ 

Project #: 214-22000

Carolina

aleigh

20

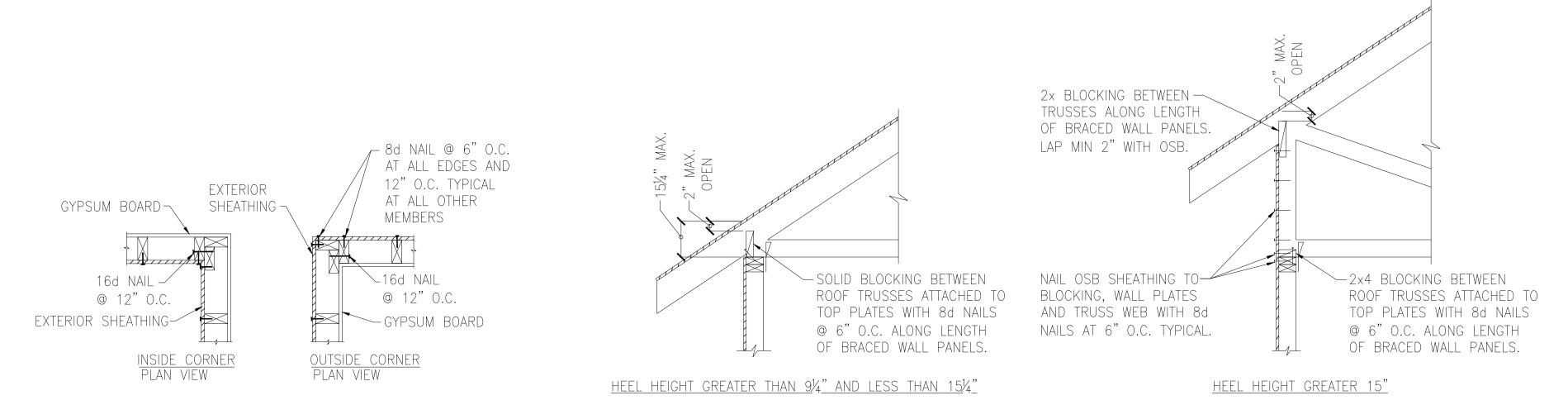
 $\bigcirc$ 

Designed By: KRK

Checked By: Issue Date: 3/6/23



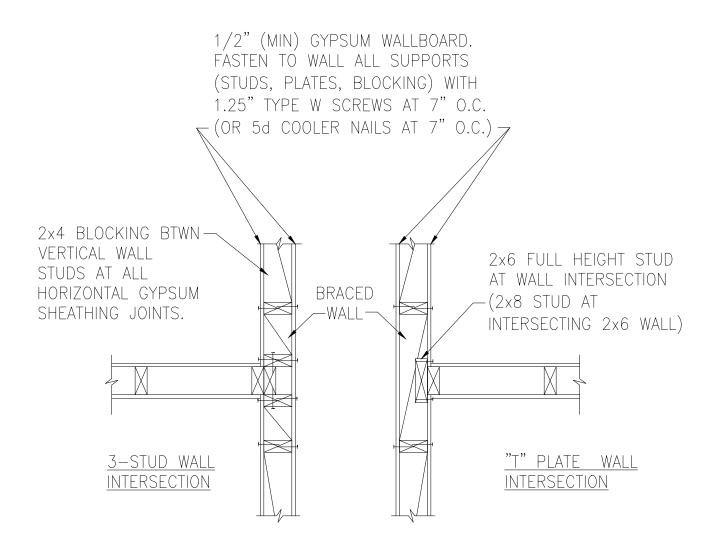
TYPICAL BRACED WALL PANEL TO FLOOR / CEILING CONNECTION BRACED WALL PANELS PERPENDICULAR TO TRUSSES



TYPICAL EXTERIOR CORNER WALL FRAMING

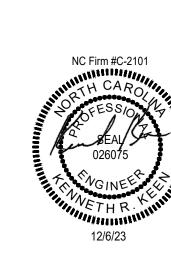
BRACED WALL PANELS PARALLEL TO TRUSSES

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



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



Details  $\mathbb{M}_{Q} \|$ Ced $\bigcirc$ 

9 A A D Project #: 214-22000

Carolina

20

Designed By: KRK

Checked By: Issue Date: 3/6/23

-HOLD DOWN INSTALLED PER HOLD

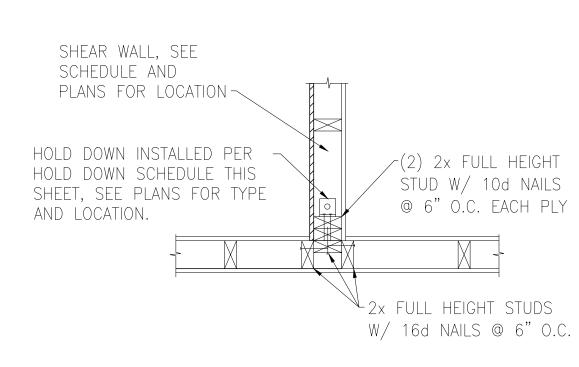
DOWN SCHEDULE THIS SHEET, SEE

\_ A36 ALL THREAD ROD DRILLED AND

EPOXIED 6" INTO FOOTING USING SIMPSON "SET"/"ET" OR USP CIA-GEL ADHESIVE.

PLANS FOR TYPE AND LOCATION.

DHOLD DOWN AT MONOLITHIC SLAB FOUNDATION



A36 ALL

THREAD ROD \_\_

COUPLER NUT

SIMPSON CNW1/2 OR USP CNW12-ZP

GROUT CMU SOLID

AT ALL THREAD ROD—

HOLD DOWN INSTALLED PER HOLD DOWN SCHEDULE THIS SHEET, SEE PLANS FOR TYPE AND LOCATION.

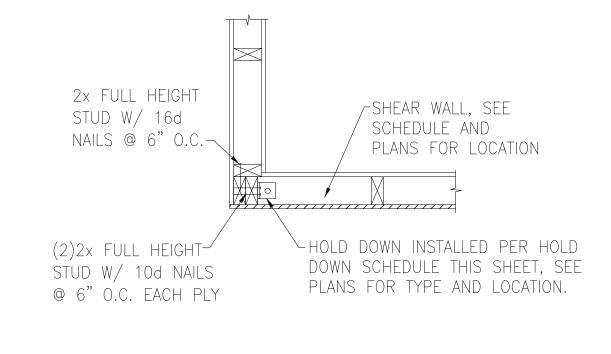
- A36 ALL THREAD ROD DRILLED

AND EPOXIED 6" INTO FOOTING

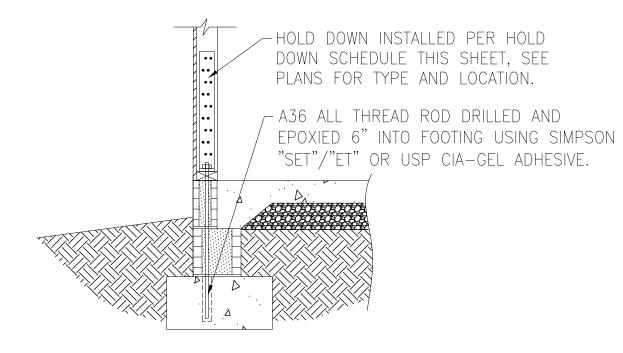
USING SIMPSON "SET"/"ET" OR

USP CIA-GEL ADHESIVE.

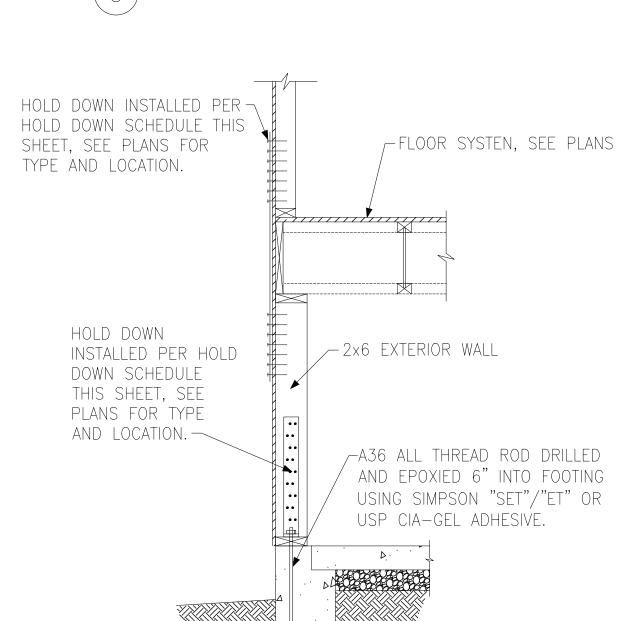
(E)HOLD DOWN AT CRAWL SPACE FOUNDATION



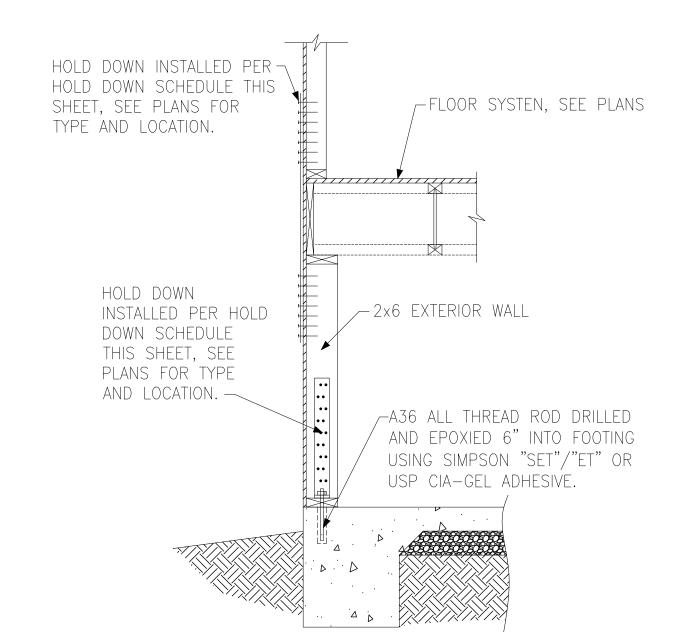
## TYPICAL HOLD DOWN DETAIL



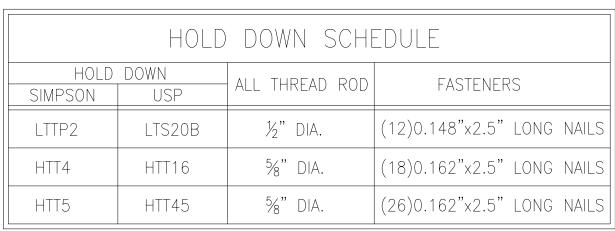




G HOLD DOWN AT BASEMENT FOUNDATION STEM WALL



HOLD DOWN AT BASEMENT FOUNDATION MONOLITHIC TURN-DOWN



HOLD DOWN SCHEDULE				
HOLD DOWN SIMPSON USP		ALL THREAD ROD	FASTENERS	
LTTP2	LTS20B	½" DIA.	(12)0.148"x2.5" LONG NAIL	
HTT4	HTT16	%" DIA.	(18)0.162"x2.5" LONG NAIL	
HTT5	HTT45	%" DIA.	(26)0.162"x2.5" LONG NAIL	
			<u></u>	



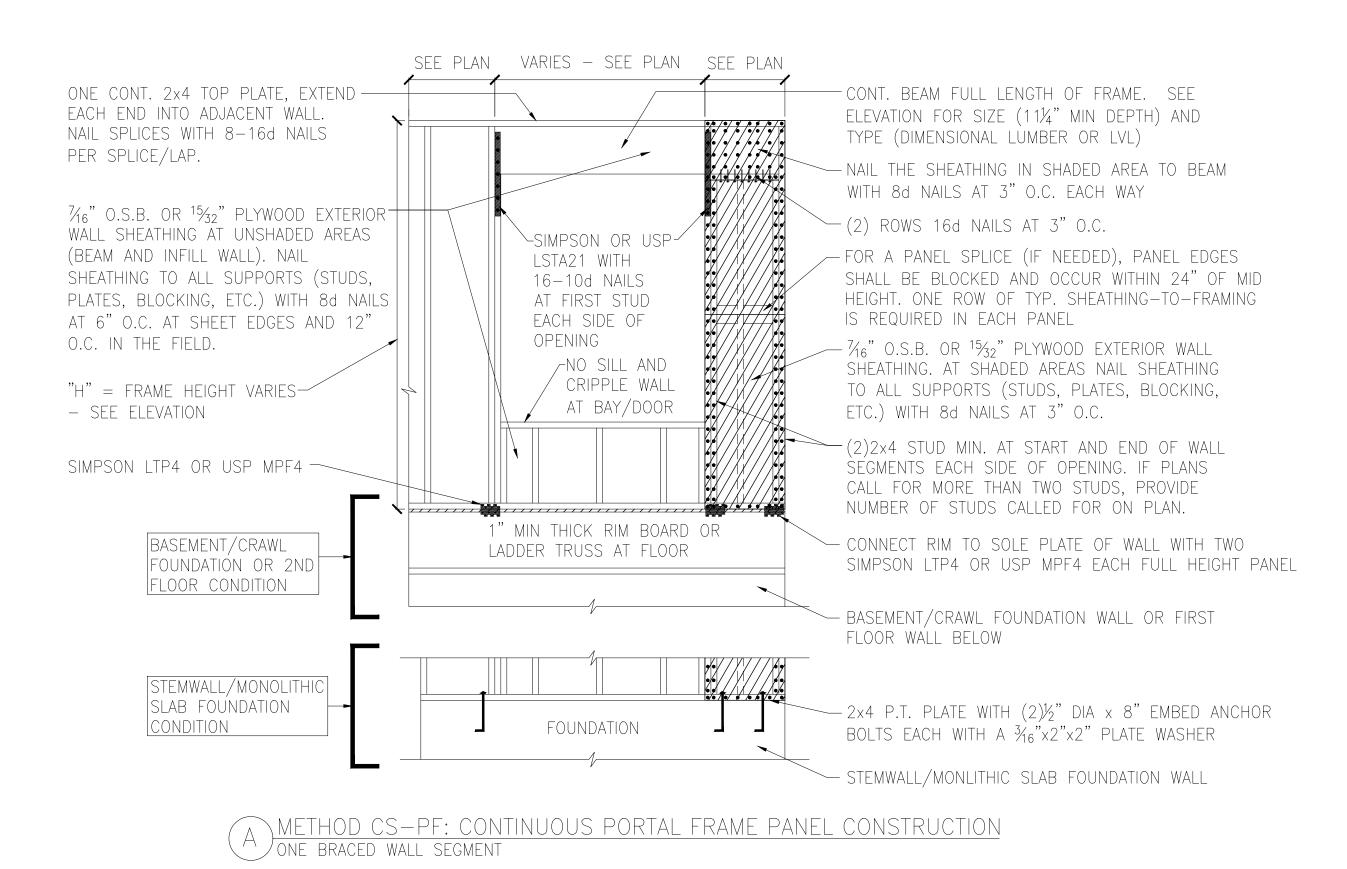
<u>P</u>0H Project #: 214-22000 Designed By:KRK Checked By: Issue Date: 3/6/23 Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

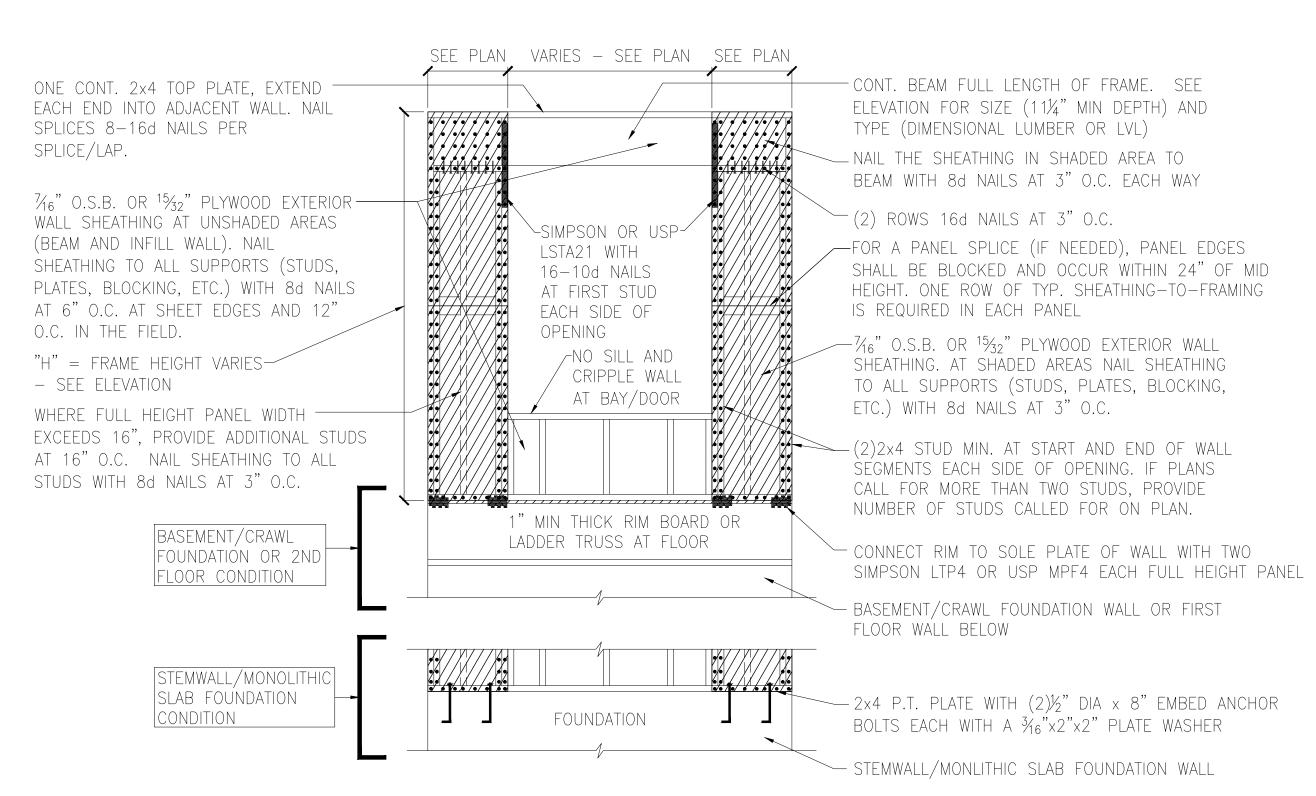
Details

 $\square$   $\vee$   $\vee$ 

Carolina

20



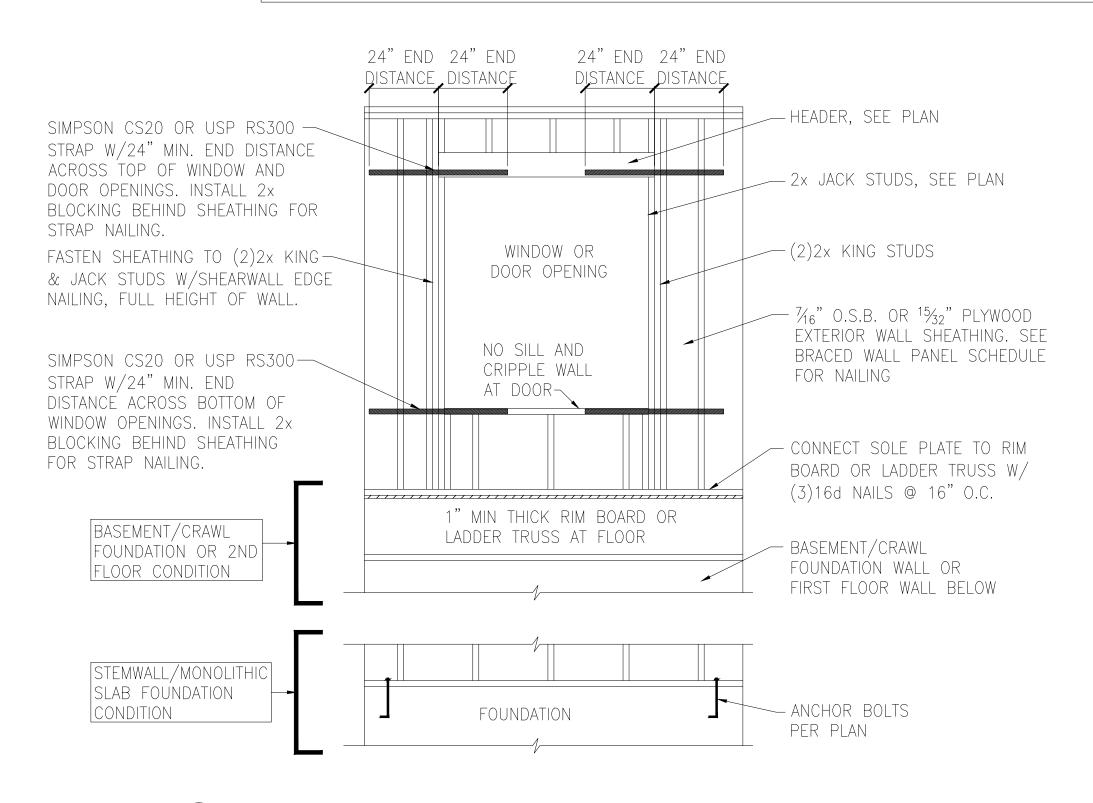


\METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION TWO BRACED WALL SEGMENTS

	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. <u>ENGINEERED ALTERNATIVE: 16 GAGE BY 1.75" LONG</u> 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. <u>ENGINEERED ALTERNATIVE</u> : 16 GAGE BY 1.75" <u>LONG</u> 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  $\frac{15}{32}$ " 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







etdils Note

-olina

 $\Box$ 

 $\stackrel{\circ}{\geq}$ 

to eigh

0 0

20

Project #: 214-22000

Designed By: KRK

Checked By: Issue Date: 3/6/23

MONOLITHIC SLAB OR BASEMENT FOUNDATION





Details

Carolina

20

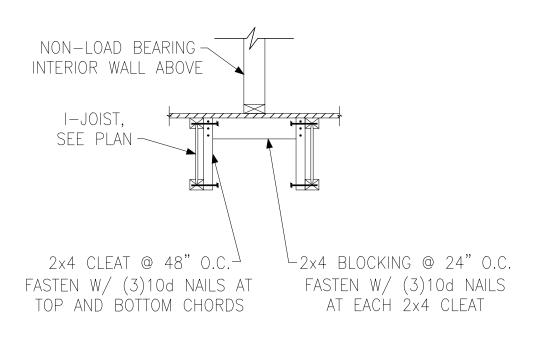
 $\bigcirc$ 

Project #: 214-22000 Designed By:KRK

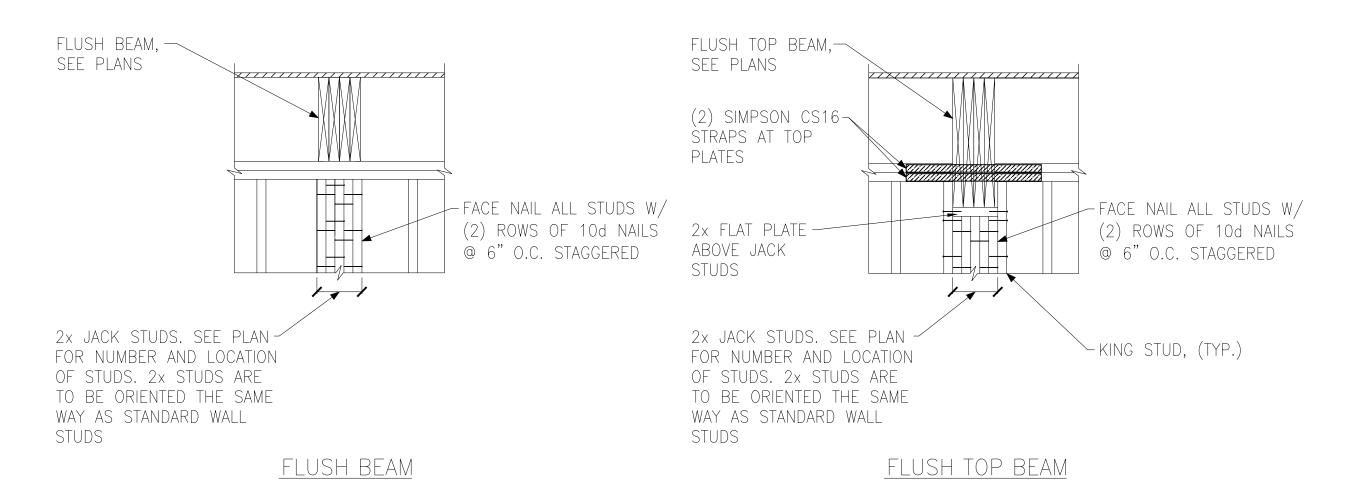
Checked By:

Issue Date: 3/6/23

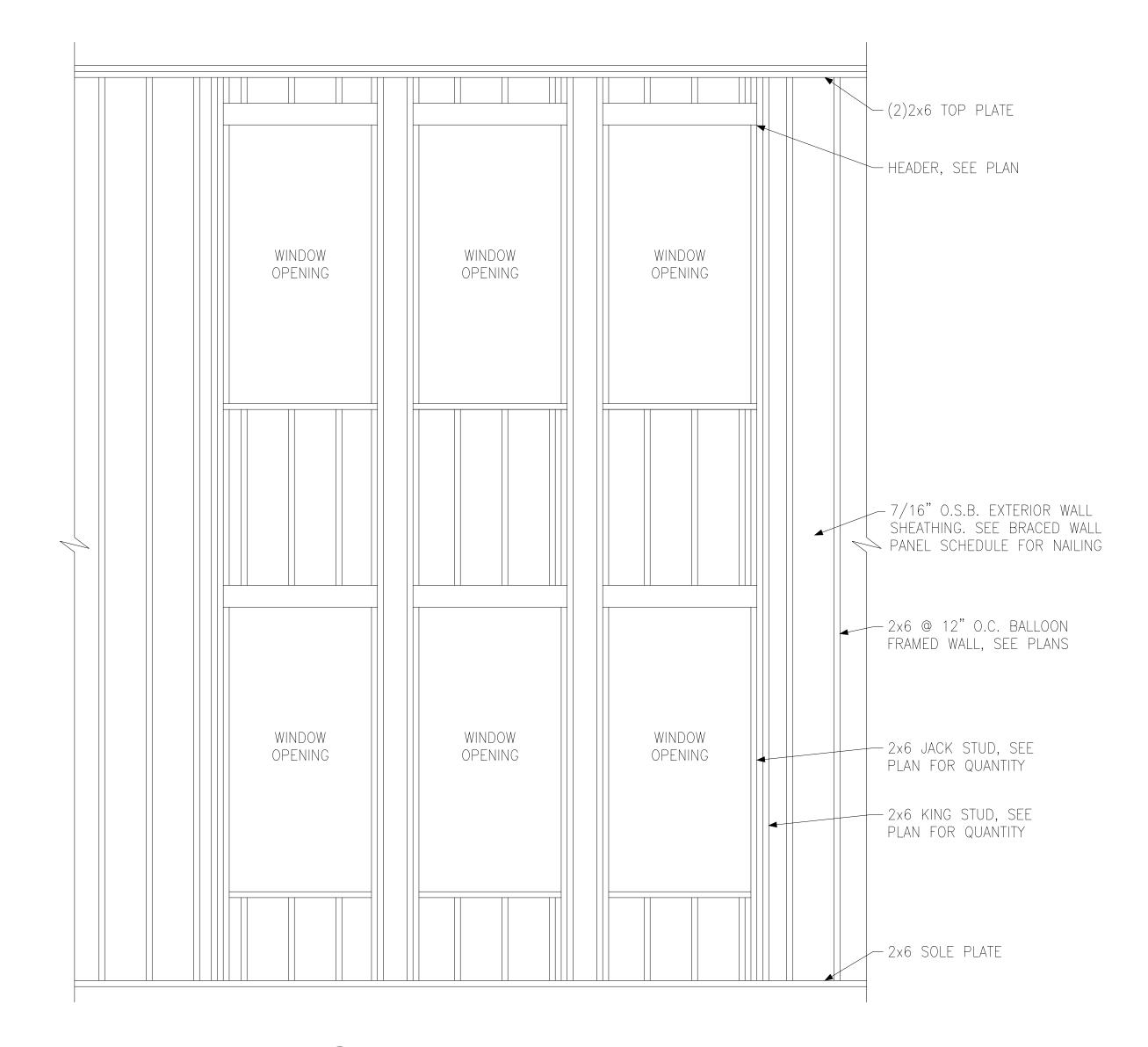
NC Firm #C-2101



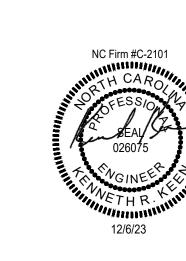
I-JOIST LADDER BLOCKING
AS REQUIRED @ PARALLEL WALLS







DBALLOON FRAMED WALL DETAIL N.T.S.



Miscellaneous Framing Details

Project #: 214-22000

Designed By: KRK
Checked By:
Issue Date: 3/6/23

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

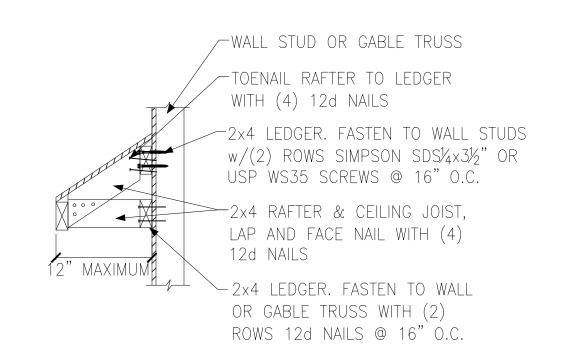
Carolina

aleigh

20

SD-5

2x4 BLOCKING BETWEEN TRUSSES WITH (2)10d

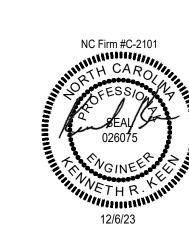


EYEBROW ROOF DETAIL STRAIGHT ROOF

CONTINUOUS SHEATHING TOENAILS EACH END AT OVERHANG — SLOPING L3½"x3½"x¼" BRICK ANGLE WITH HORIZ. PL3x3x1/8 PLATES AT 24" O.C. (MIN TWO PER ANGLE. NAIL TO GIRDER TRUSS WITH 16d NAILS AT 9" O.C. THROUGH PRE-DRILLED 2x6 KICKER AT 6'-0" O.C. WITH — 2x6 "T" SCAB. NAIL SCAB TO (5) 10d → NAILS KICKER WITH 10d NAILS AT 6" PL3x3x1/8-O.C. KICKER MAY BE OMITTED WHEN HEIGHT OF GABLE END TRUSS IS 4'-0" OR LESS. TYP 1/4 / └─(2) SIMPSON GBC - ROOF TRUSSES AT ROOF GIRDER TRUSS TO OR USP HC520 24" O.C., SEE PLAN. SUPPORT DEAD LOAD OF EACH KICKER BRICK, LIMIT DEFLECTION ½" OSB WALL− PROVIDE WEB MEMBER TO L/600 OR 0.3" MAX., SHEATHING BRACING PER TRUSS SEE PLANS. MANUFACTURER E GABLE END WALL DETAIL

BRICK VENEER —

2x WALL STUDS, SEE PLAN -



DAVIDSON HOMES

**IEERING**KERTOWN, PA 18951

(215) 804-4449

Miscellaneous Framing Details

Project #: 214-22000

Carolina

20

Designed By: KRK
Checked By:
Issue Date: 3/6/23

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

SD-6

∠2x STUD WALL W/

-FLOOR JOIST,

FOUNDATION SECTION

STEP VARIES

FOUNDATION SECTION

FLOOR JOIST, SEE PLAN

· Δ· ·

L JEXTERIOR GARAGE WALL

Jexterior wall

P.T. PLATE —

NOTES.

INSTALL  $\frac{1}{2}$ " DIA. ANCHOR -

BOLTS, SEE FOUNDATION

INSTALL ½" DIA. ANCHOR -

BOLTS, SEE FOUNDATION

EXTERIOR GRADE —

12" MINIMUM -

GIRDER PER-

CMU PIER GROUTED

SOLID, SEE SCHEDULE

FOR SIZE AND HEIGHT

PLAN

LIMITS

BELOW GRADE

NOTES.

EXTERIOR GRADE —

12" MINIMUM -

BELOW GRADE

PLATE, SEE PLAN.

-8" CMU WALL TOP

— CONCRETE FOOTING,

SEE PLAN.

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

-CONCRETE FOOTING, SEE PLAN.

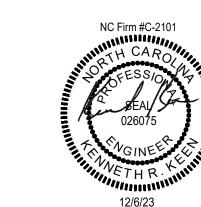
2x8 PT BEARING BLOCK,

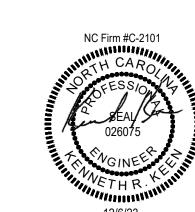
FULL LENGTH OF PIER

CONCRETE FOOTING,

SEE PLAN.

- ENGINEERED RIM BOARD





Project #: 214-22000 Designed By: KRK Checked By:

20

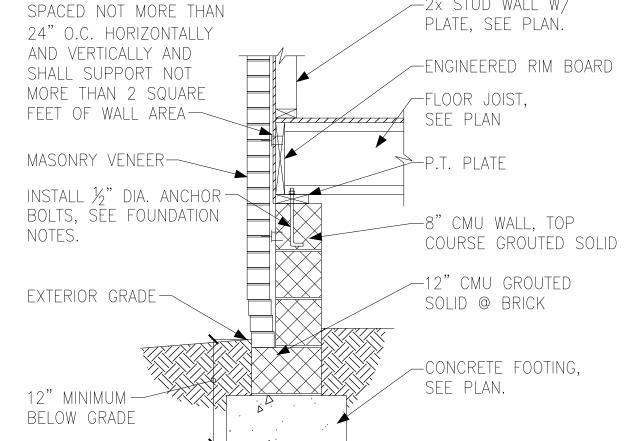
Foundation

Details

IEERING

KERTOWN, PA 18951
(215) 804-4449

SUPPORT NOT MORE THAN 2 SQUARE FEET OF WALL AREA--FLOOR JOIST, FLOOR JOIST, SEE PLAN SEE PLAN MASONRY VENEER -INSTALL ½" DIA. ANCHOR BOLTS, SEE FOUNDATION >→P.T. PLATE NOTES. -8" CMU WALL, TOP -P.T. PLATE COURSE GROUTED SOLID -8" CMU WALL TOP TURN DOWN PORCH -TURN DOWN PORCH — -12" CMU GROUTED COURSE GROUTED SOLID SLAB TO BELOW TOP SLAB TO BELOW TOP SOLID @ BRICK OF FOUNDATION WALL OF FOUNDATION WALL CONCRETE FOOTING, -CONCRETE FOOTING, SEE PLAN. SEE PLAN. SEE ARCHITECTURAL DETAILS FOR WATERPROOFING AT PORCH



FOUNDATION SECTION

EXTERIOR WALL @ MASONRY

VENEER

VENEER TIES SHALL BE

AND VERTICALLY AND

SHALL SUPPORT NOT MORE THAN 2 SQUARE

FEET OF WALL AREA

MASONRY VENEER-

EXTERIOR GRADE -

12" MINIMUM —

BELOW GRADE

16" VENT-

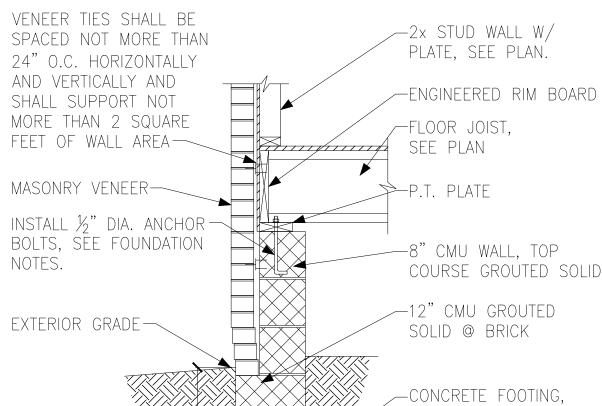
OPENING

NOTES.

INSTALL ½" DIA. ANCHOR

BOLTS, SEE FOUNDATION

SPACED NOT MORE THAN 24" O.C. HORIZONTALLY



—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

SEE PLAN.

- ENGINEERED RIM BOARD,

HANGER, FILL ALL HOLES

WITH 10d NAILS CLINCHED

DO NOT SPLICE WITHIN

6" OF VENT OPENING

FACE MOUNT JOIST

/ 2x P.T. SILL PLATE,

> 6" OF VENT OPENING

DO NOT SPLICE WITHIN

SOLID @ BRICK

-CONCRETE FOOTING,

STEP VARIES

EXTERIOR GARAGE WALL @ MASONRY

FOUNDATION SECTION

VENEER

PLATE, SEE PLAN.

∕2× STUD WALL W/

-ENGINEERED RIM BOARD

TOUNDATION SECTION

EXTERIOR WALL AT PORCH

RECESS @

GARAGE DOOR -

D

24" O.C. HORIZONTALLY AND VERTICALLY AND SHALL

VENEER TIES SHALL BE

SPACED NOT MORE THAN

SLAB/WOOD FRAMING.

- DROPPED GIRDER

TO FOOTING. SEE PLAN FOR LOCATION

-4"x12" BEAM POCKET W/ P.T. PLATE, GROUT SOLID

-CONCRETE SLAB POURED

MONOLITHICALLY WITH

FOOTING, SEE PLAN.

-4" GRAVEL FILL

CLASSIFIED SOIL

COMPACTED SOIL

-MONOLITHIC CONCRETE

FOOTING, SEE PLAN.

OR GROUP 1

8" CMU WALL TOP COURSE GROUTED SOLID

FOUNDATION SECTION

GARAGE DOOR

PER PLAN

CRAWL SPACE BEAM POCKET DETAIL

PIERS SHALL BE CAPPED WITH 8" OF SOLID MASONRY OR CONCRETE OR TOP COURSE FILLED | SOLID WITH CONCRETE/MORTAR.

FOR PIERS OVER 8'-0" CONTACT KSE

WITH CONCRETE OR TYPE M OR S MORTAR.

ENGINEERING FOR PIER AND FOOTING DESIGN.

PIER AND FOOTING SCHEDULE

PIER HEIGHT PIER SIZE MIN. FOOTING SIZE

UP TO  $2'-8" \mid 8" \times 16" \mid 24" \times 24" \times 12"$  U.N.O.

UP TO 5'-4" 16" x 16" 24" x 24" x 12" U.N.O.

FOUNDATION SECTION INTERIOR GARAGE WALL

UP TO 8'-0" 16" x 16" 30" x 30" x 12" U.N.O. PIERS OVER 5'-4" SHALL BE BE FILLED SOLIDLY

—2× STUD WALL W∕

PLATE, SEE PLAN.

INSTALL 1/2" DIA. ANCHOR

12" CMU GROUTED

- CONCRETE FOOTING,

∕2× STUD WALL W/

PLATE, SEE PLAN.

INSTALL ½" DIA. ANCHOR

-8" CMU WALL TOP

-CONCRETE FOOTING,

SEE PLAN.

BOLTS, SEE FOUNDATION

COURSE GROUTED SOLID

FLOOR JOIST,

NOTES.

-ENGINEERED RIM BOARD

SOLID @ BRICK

SEE PLAN.

BOLTS, SEE FOUNDATION

FLOOR JOIST,

NOTES.

-P.T. PLATE

SEE PLAN

FOUNDATION SECTION

VENEER

P.T. PLATE —

GARAGE SPACE

/exterior wall at porch w/ masonry

LIVING SPACE

SEE PLAN

-ENGINEERED RIM BOARD

 $\bigcirc$ 

Issue Date: 3/6/23 Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

arolina

