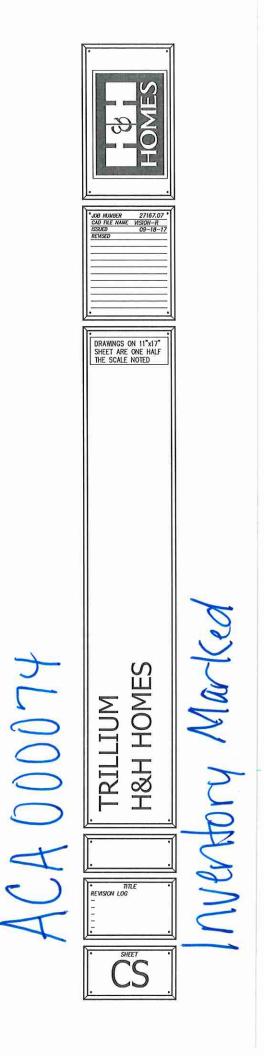
TRILLIUM H&H HOMES - GARAGE LEFT

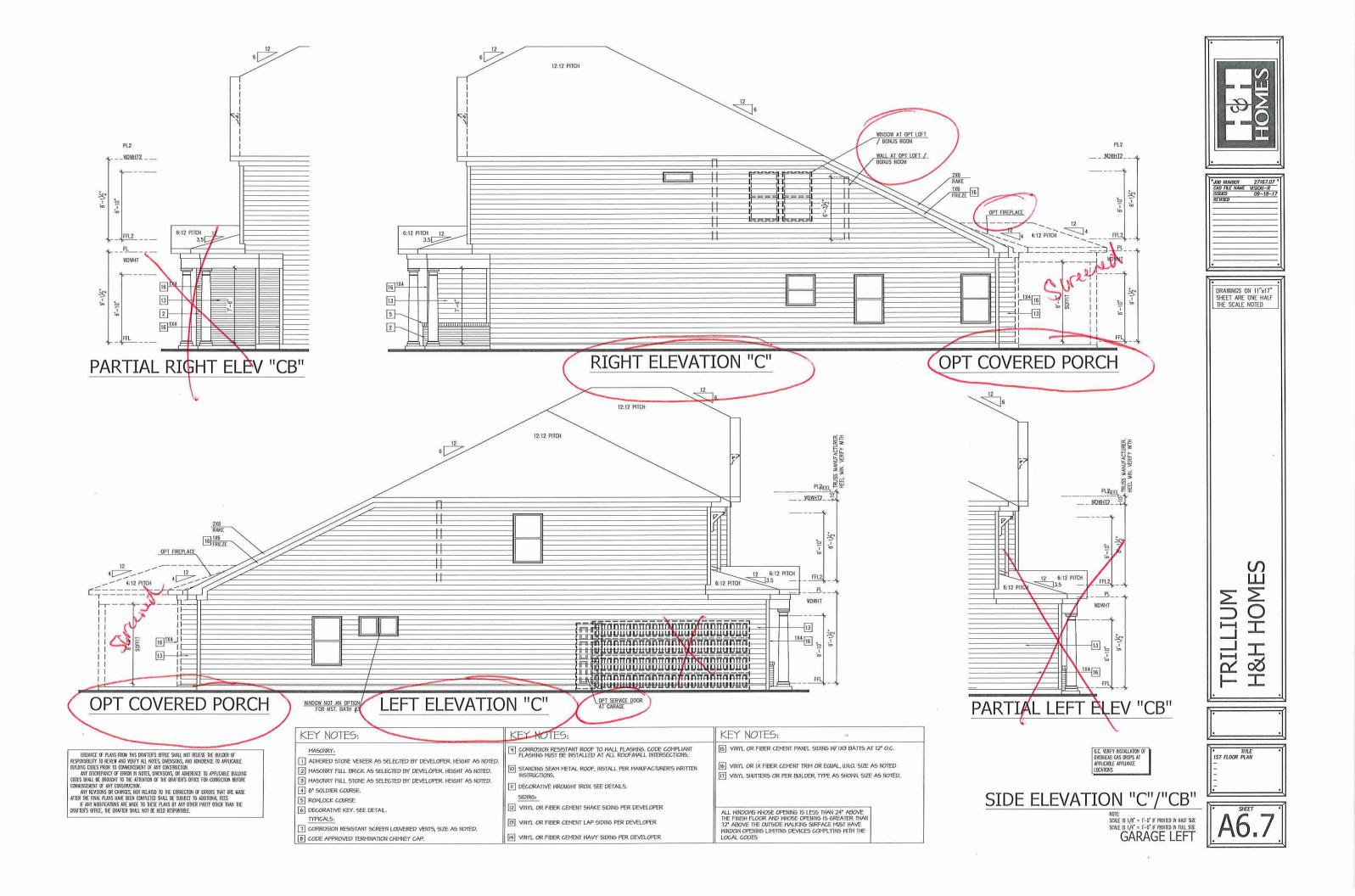


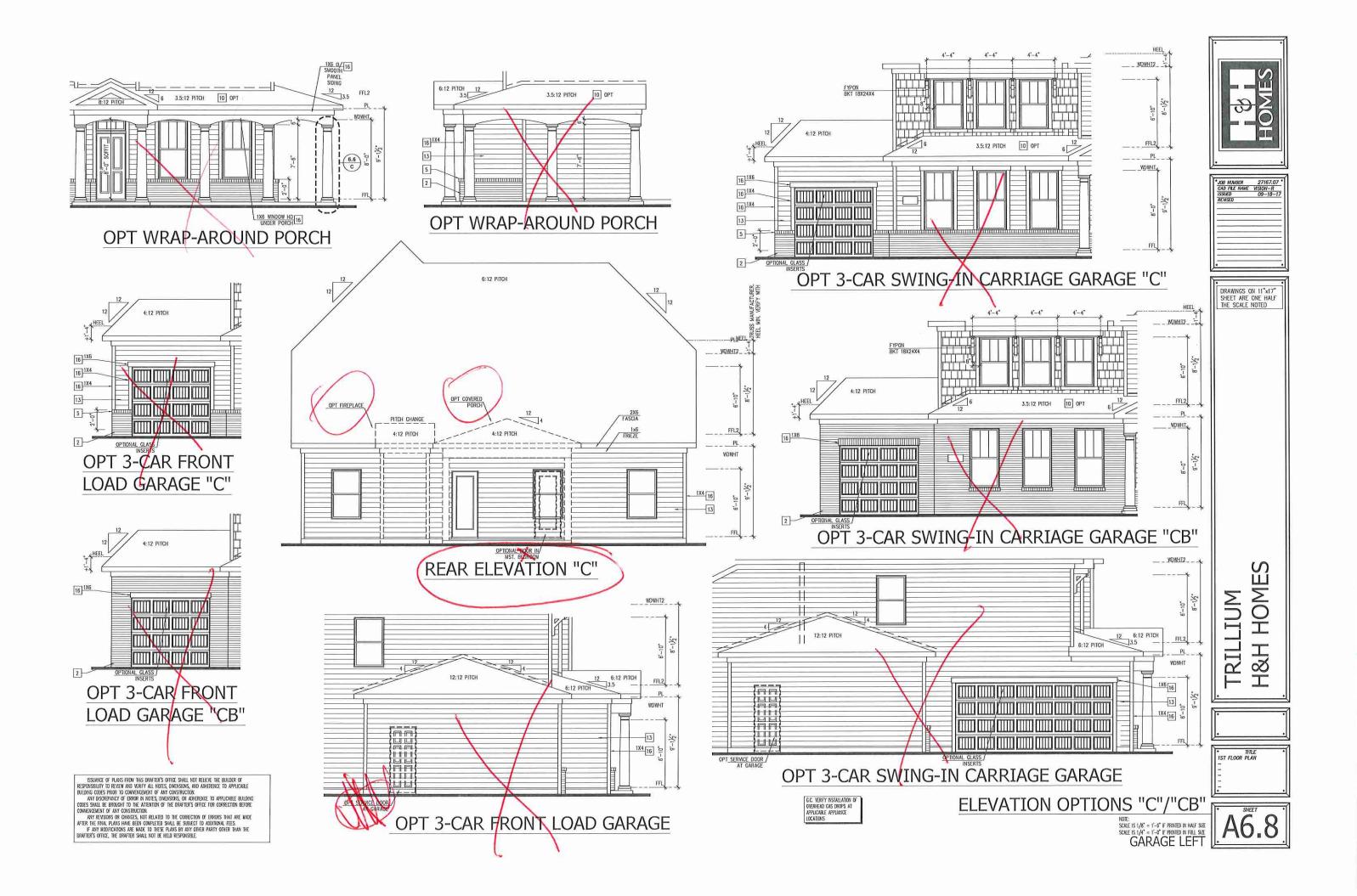
PLAN REVISIONS

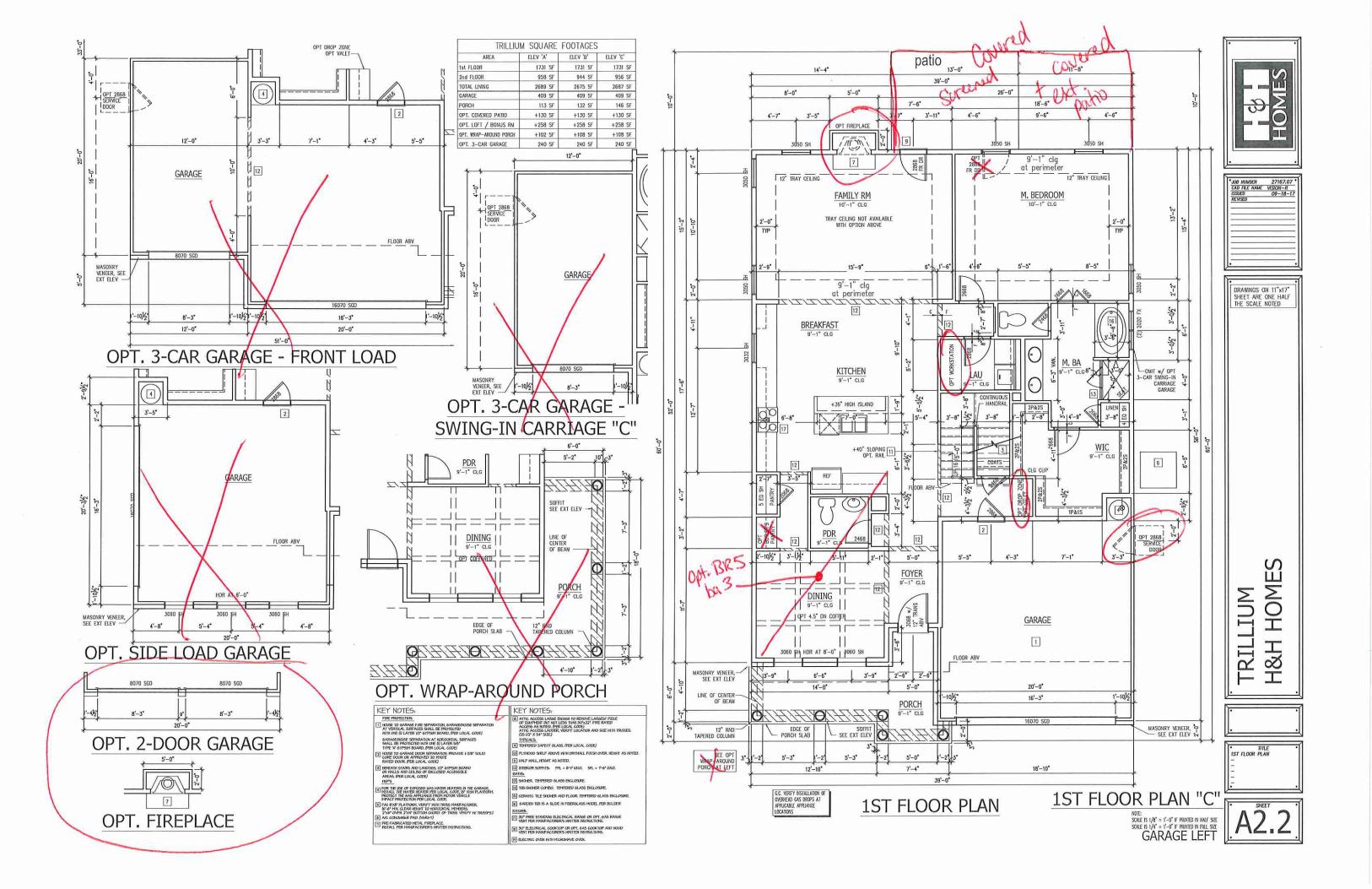
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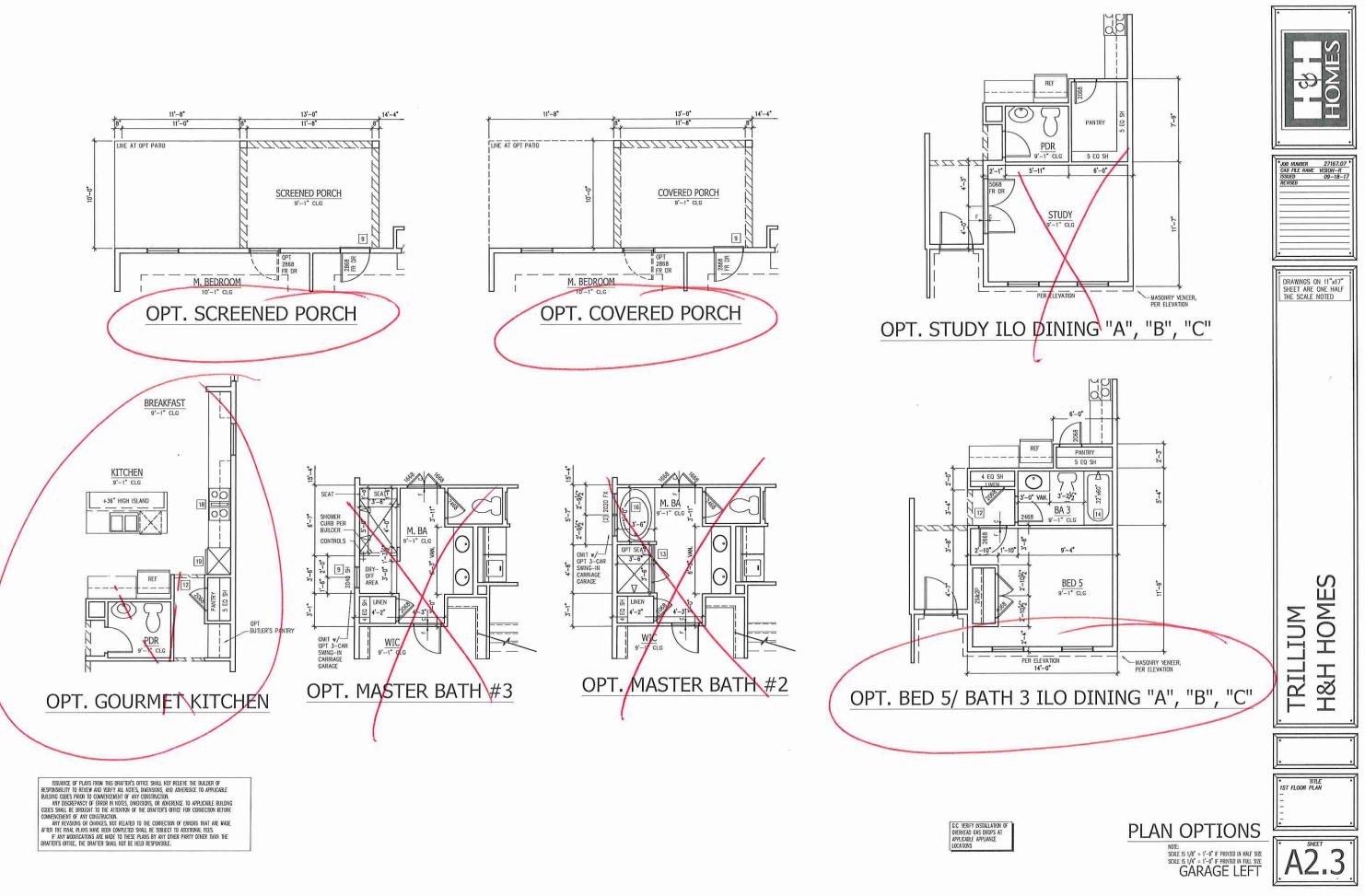


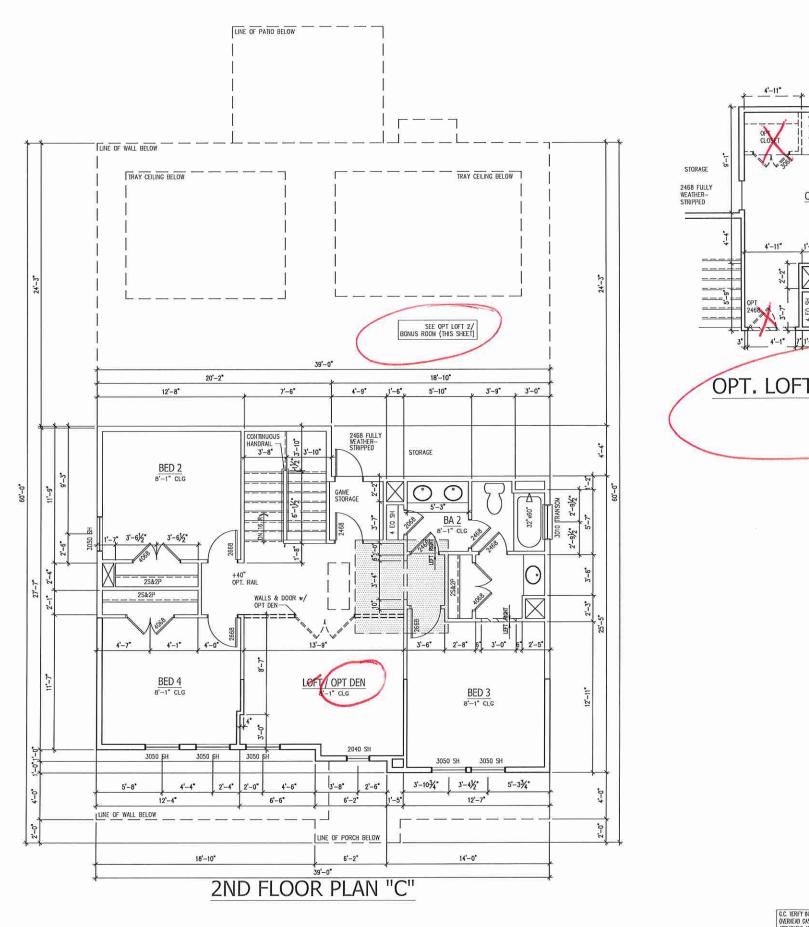




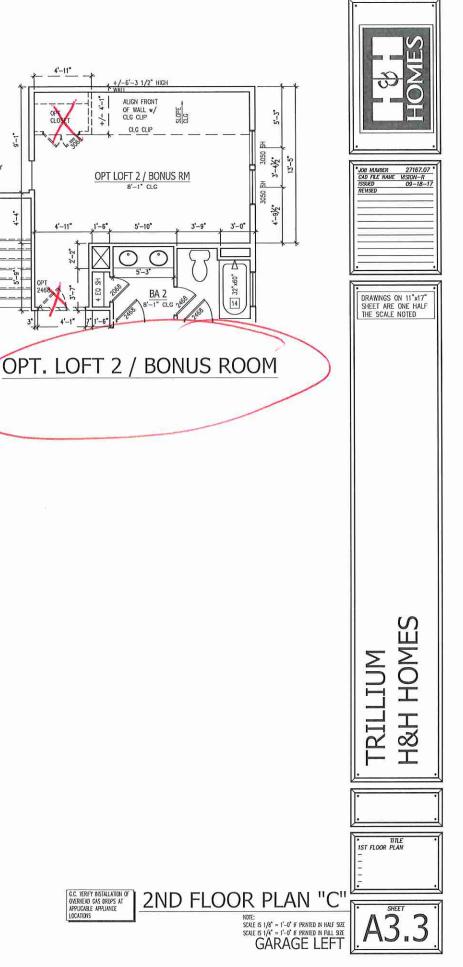


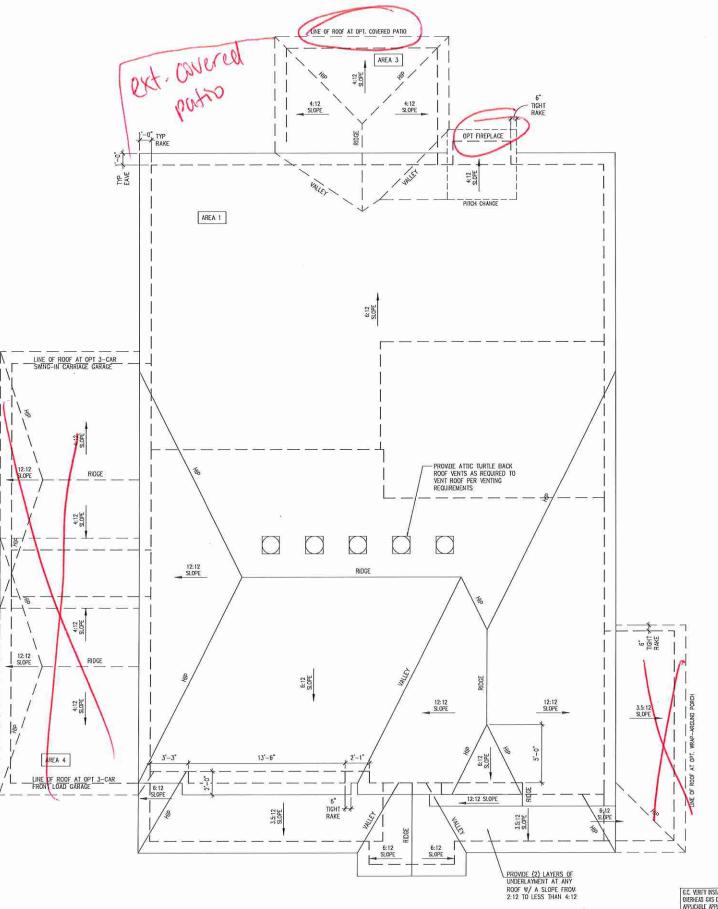






ISSUANCE OF PLANS TROM THIS DRAFTEX'S OFTICE SULL NOT RELEYE THE BUILDER OF TESPONSBUTY TO REVEN AND VEREY ALL NOTES, DMENSORS, AND ADREPENCE TO APPLICABLE BUILNE CODES PROR TO COMMENSUARIN OF ANY CONSTRUCTION. MYY DISPERVICY OF BROR MOTES, DMENSORS, OR JOHERNET TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE BRAFTER'S OFTICE FOR CORRECTION BEFORE COMPOSIDATION FOR MOTES DATES TO THE CORRECTION OF BRORS THAT ARE MADE MYY REVISIONS ON COMMENSION OF THE BRAFTER'S OFTICE FOR CORRECTION BEFORE ANY REVISIONS ON COMMENSION OF THE BRAFTER'S OFTICE FOR CORRECTION AF MY REVISIONS ON COMMENSION OF THE BRAFTER'S OFTICE TO ADDITIONAL FIES. F ANY MODIFICATION AND THE BEAN COMPLETED SHALL BE SUBJECT TO ADDITIONAL FIES. F ANY MODIFICATION AND ADDITION THE BRAFTER'S OFTICE, THE ROW THE BRAFTER OFTICE, THE ROW THE BRAFTER SOFTICE, THE ROW THE BRAFTER SOFTICE, THE ROW THE MADE TO THE CORRECTION OF BRORS THAT. HE DRAFTER'S OFTICE, THE DRAFTER SHALL NOT BE HELD RESPONSELE.

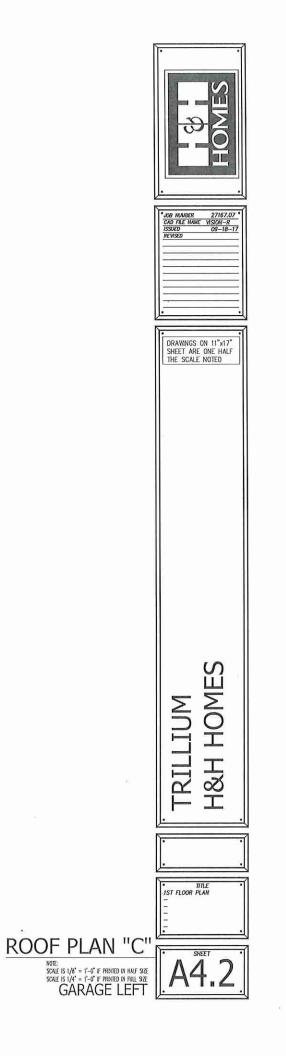


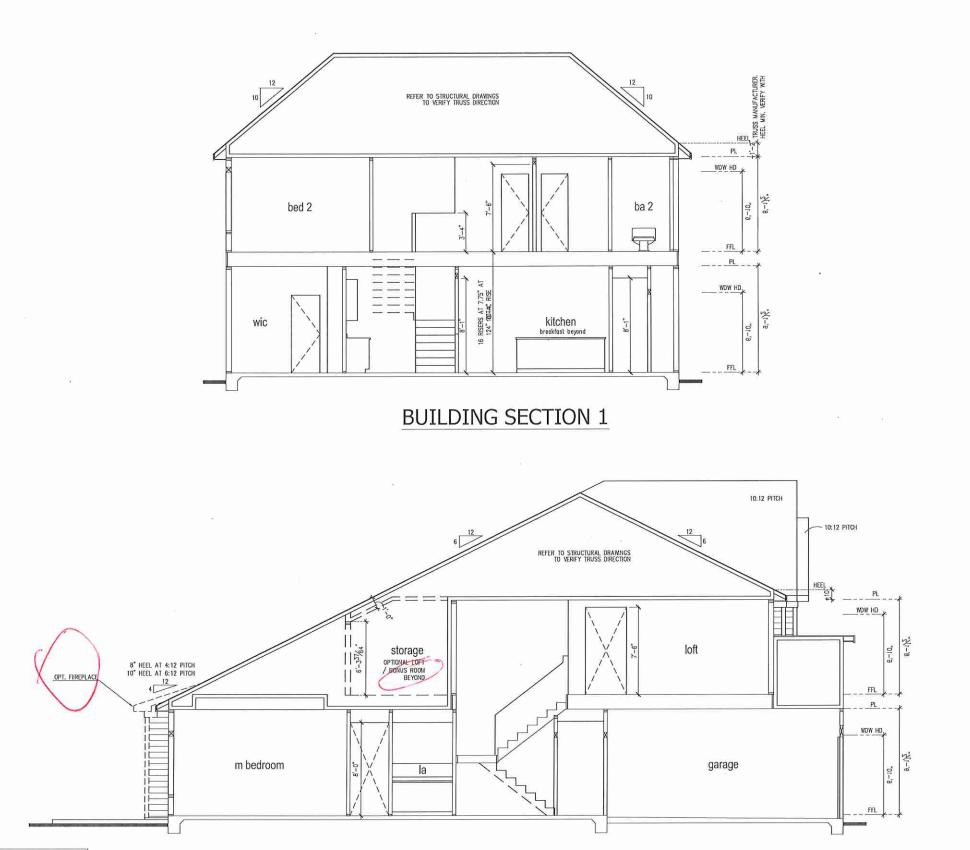


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G.C. VERFY INSTALLATION OF OVERVIEAD GAS DROPS AT APPLICABLE APPLIANCE LOCATIONS

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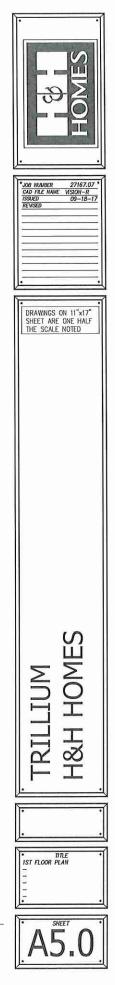




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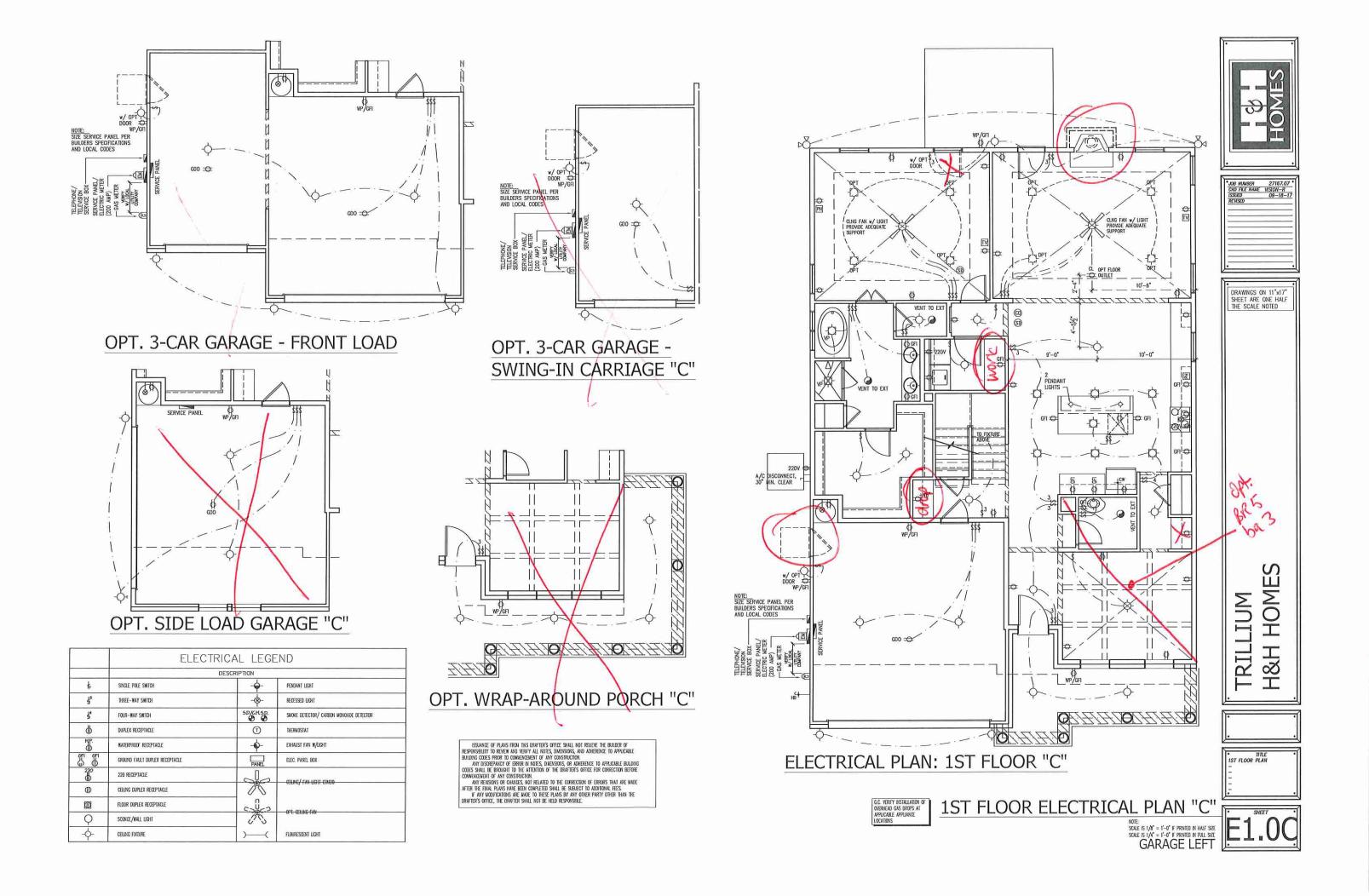
BUILDING SECTION 2

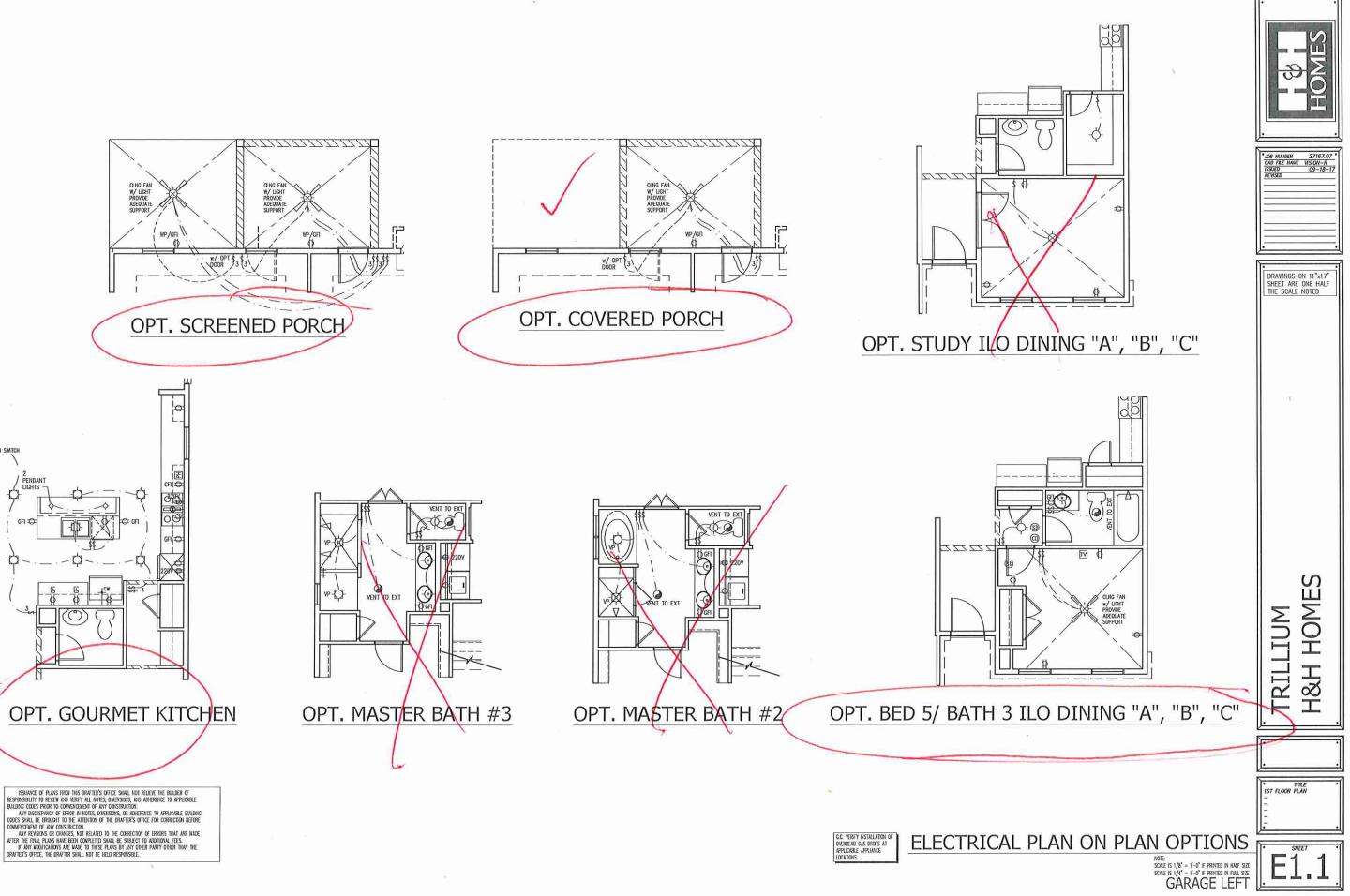
G.C. VERIFY INSTALLATION OF OVERHEAD GAS DROPS AT APPLICABLE APPLIANCE LOCATIONS



BUILDING SECTION

NOTE: SCALE IS 1/8" = 1'-0" F PRNITED IN HALF 92E SCALE IS 1/4" = 1'-0" F PRNITED IN HALF 92E GARAGE LEFT





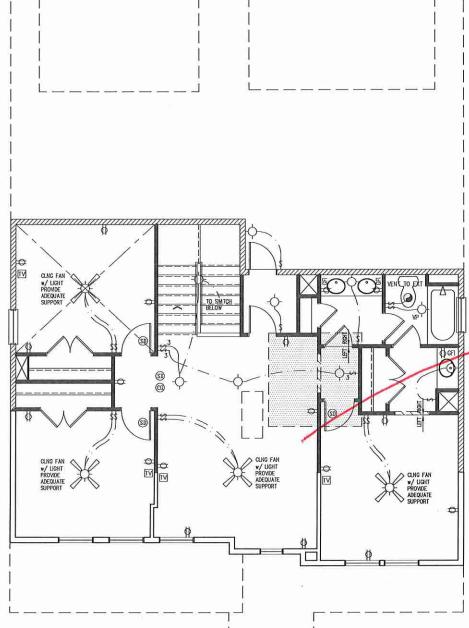
TO SWITCH

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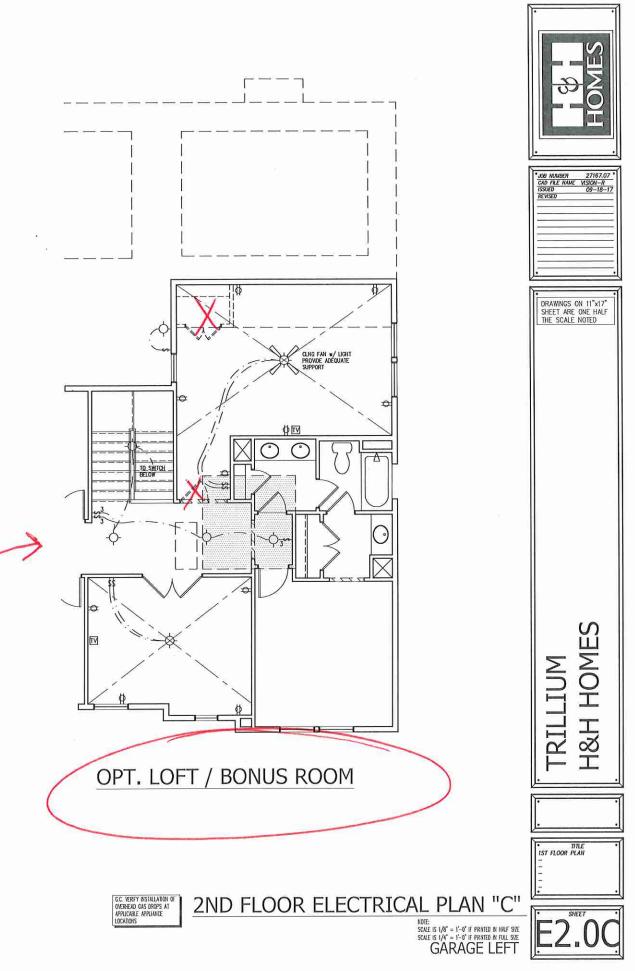
ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELEVE THE BUILDER OF	
RESPONSIBILITY TO REVEW AND VERFY ALL NOTES, DWENSIONS, AND ADHERENCE TO APPLICABLE	
Building codes prior to convencement of any construction.	
ANY DISCREPANCY OF ERROR IN NOTES, DWENSIONS, OR ADHERENCE TO APPLICABLE BUILDING	
CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE	
CONVENCEMENT OF ANY CONSTRUCTION.	
ANY REVISIONS OR CHANGES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE WADE	

ATT REVISION OF CHARGE, HOI RELIED TO THE CORRECTION OF LEXING THAT ARE WAR After the Final plans time been completed stall be subject to montonia, fees if any monocations are word to these plans by any other party other than the drafter's office, the drafter shall not be held responsele.

	ELECTRICAL LEGEND				
	DESCRIPTION				
ę	SNOLE POLE SWITCH				
\$°	THRE-WAY SWICH				
\$	FOUR-WAY SWICH				
Φ	DUPLEX RECEPTACLE				
W.	WATERPROOF RECEPTAGLE				
f f	GROUND FAULT DUPLEX RECEPTACLE				
220 ©	220 RECEPTACLE				
Ø	CEILING DUPLEX RECEPTACLE				
۵D	FLOOR DUPLEX RECEPTACLE				
Q	SCONCE/WALL LIGHT				
-¢-	Colung fixture				
- \	PORDANT LIGHT				
-@-	Recessed light				
5D/KM,5D.	snoke detector/ carbon wonoxide detector				
T	THERWOSTAT				
-\$-	edhaust fan W/light				
PANEL	ELEC. PANEL BOX				
K	Celling/ Fan Light Combo				
360 200	OPT. GELING FAN				
)—(FLOURESCENT LIGHT				



G.C. VERFY INSTALLATION OF OVERHEAD GAS DROPS AT APPLICABLE APPLIANCE LOCATIONS



ELECTRICAL PLAN: 2ND FLOOR "C"





1900 AM DRIVE, SUITE 201, QUAKERTOWN, PA 18951 www.kse-eng.com

(215) 804 - 4449

TRILLIUM

CAROLINA DIVISION

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 SUBCONTAINED IN THE REQUIRED TO REVEW 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	BUILD	DING C	ODE	(REFE	RED	TO	HER	EIN	AS	'TH
	2018	NORTH	H CA	ROLINA	RESI	DEN	TIAL	CO	DE.	WAL
	CODE	2015	EDI	ION.						
1.1										

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

- QUEEN ANNE BRICK = 25 PSF

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"

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, F8=2,325 PSI, Fv=310 PSI, Fc=900 PSI LVL: E=2,000,000 PSI, $F_{B}{=}2,600$ PSI, $F_{V}{=}285$ PSI, $F_{C}{=}750$ PSI PSL: E=2,100,000 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.

HE BUILDING CODE'): ALL BRACING PER INTERNATIONAL RESIDENTIAL

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







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GENERAL STRUCTURAL NOTES:

- 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 FLEMENTS 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
- 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.
- 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 THI 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. 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 FLEMENTS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS
- THIS STRUCTURE AND ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE SECTIONS OF THE BUILDING CODE AND ANY LOCAL CODES OR RESTRICTIONS.
- 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.

FOUNDATIONS:

- FOUNDATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 4 OF THE BUILDING CODE
- 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 3
- BE AS SPECIFIED IN THE BUILDING CODE. THE SER HAS NOT PERFORMED A SUBSURFACE INVESTIGATION. 4 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 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 EDOTING
- 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" MAXIMUM FROM CORNERS, 3" DIAMETER x 8" LONG SIMPSON TITEN HD 1. OR USP SCREW-BOLT+ SCREWS MAY BE SUBSTITUTED ON A 1 FOR 1
- 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
- EXCAVATIONS OF FOOTINGS SHALL BE LINED TEMPORARILY WITH A 6 8. 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. PROVIDE MINIMUM 6 MIL APPROVED VAPOR BARRIER. ALL JOINTS TO BE LAPPED MINIMUM 12" AND SEALED.

CONCRETE & REINFORCING

- 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 3 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
- CONCRETE SLARS-ON-GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 302.1R: "GUIDE FOR CONCRETE SLAB AND SLAB CONSTRUCTION".
- CONTROL OR SAW CUT JOINTS (CUT OR TOOLED) SHALL BE SPACED IN INTERIOR SLABS-ON-GRADE AT A MAXIMUM OF 15'-O" 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.
- 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 ACL 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
- WHERE REINFORCING DOWELS ARE REQUIRED, THEY SHALL BE 14 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.
- WHERE FOOTING BOTTOMS ARE TO BE STEPPED AT SLOPING GRADE 15 CONDITIONS, PROVIDE CONTINUOUS REINFORCING WITH Z BARS (TO MATCH EDOTING REINFORCING) AS REQUIRED
- BAR SUPPORT ACCESSORIES SHALL BE PROVIDED IN ACCORDANCE WITH 16. 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. 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'-O" O.C. BOTH WAYS IN STRAIGHT LINES ON THE MESH GRID.

MASONRY

- 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 36" AND A MINIMUM COMPRESSIVE STRENGTH OF 2,000
- 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" ACL 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 TIMES THEIR LEAST DIMENSION. 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. 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:

- 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 VALUES.
 - E=1,400,000 PSI, Fb=875 PSI, Fv=135 PSI
 - 1.1. FRAMING: SPF #2.
- 1.2. PLATES: SPF #2 1.3. STUDS: SPF STUD GRADE.
- 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
- ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE TREATED SOUTHERN YELLOW PINE #2 OR BETTER.
- ANCHOR SILL PLATES IN ACCORDANCE W/ GENERAL STRUCTURAL NOTES. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY, LARGER MEMBERS MAY
- BE SUBSTITUTED AS NEEDED FOR FASE OF CONSTRUCTION.
- NAILS SHALL BE COMMON WIRE NAILS UNLESS OTHERWISE NOTED. BOLT HOLES AND LEAD HOLES FOR LAG SCREWS SHALL BE IN
- ACCORDANCE WITH NDS SPECIFICATIONS. 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 RANSFER. WALL SHEATHING SHALL BE NAILED TO EDGE OF EACH STUD. 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) 1/2" DIAMETER THROUGH BOLT W/ NUTS AND WASHERS AT 12" O.C. STAGGERED TOP AND BOTTOM, 11/2" MINIMUM EDGE DISTANCE. (UNLESS OTHERWISE NOTED)
- 11. ALL BEAMS AND HEADERS SHALL HAVE (1)2x JACK STUD & (1)2x KING DIAGONAL BRACES SHALL BE FASTENED TO EACH TRUSS WEB WITH A MINIMUM OF TWO 10d FACE NAILS. WHERE CONTINUOUS LATERAL STUD UNLESS OTHERWISE NOTED. THE NUMBER OF STUDS INDICATED ON BRACING CANNOT BE INSTALLED, DUE TO A MINIMUM OF THREE PLANS ARE THE TOTAL NUMBER OF JACK STUDS REQUIRED, UNLESS ADJACENT TRUSSES NOT BEING IDENTICAL, THE CONTRACTOR SHALL OTHERWISE NOTED. COORDINATE WITH THE TRUSS SPECIALTY ENGINEER/MANUFACTURER TO
- 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.
- PRESERVATIVE TREATED WOOD FRAMING TO BE SOUTHERN YELLOW PINE #2 OR BETTER
- GUARD RAILS REQUIRED AT DECKS. DESIGN BY OTHERS TO MEET
- MINIMUM CODE REQUIREMENTS. PROVIDE DECK LATERAL LOAD AND BRACING CONNECTIONS PER BUILDING
- CODE

RAFTER FRAMED ROOF CONSTRUCTION: 1. PROVIDE 2x4x4'-0" RAFTER TIES AT 48" O.C.

- 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.
- 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
- FASTEN RAFTER AND CEILING JOIST WITH (6) 12d NAILS UNLESS OTHERWISE NOTED. 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):

- 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. 3 OF THE DESIGN DOCUMENTS. THE SER SHALL ASSUME NO RESPONSIBILITY FOR THE CORRECTNESS OF THE STRUCTURAL DESIGN
- FOR THE WOOD TRUSSES. NOTES IN PLAN SET FOR MORE INFORMATION. 2. THE WOOD TRUSSES SHALL BE DESIGNED FOR ALL REQUIRED LOADINGS 4. SHEATHING SHALL HAVE A 1/8" GAP AT PANEL ENDS AND EDGES AS AS SPECIFIED IN THE LOCAL BUILDING CODE, THE ASCE STANDARD RECOMMENDED IN ACCORDANCE WITH THE AFA. "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES." (ASCE 7), AND THE LOADING REQUIREMENTS SHOWN ON THESE STRUCTURAL STEEL: SPECIFICATIONS. THE TRUSS DRAWINGS SHALL BE COORDINATED WITH ALL OTHER CONSTRUCTION DOCUMENTS AND PROVISIONS PROVIDED FOR 1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL LOADS SHOWN ON THESE DRAWINGS INCLUDING BUT NOT LIMITED TO CONSTRUCTION "CODE OF STANDARD PRACTICE FOR STEEL HVAC EQUIPMENT, PIPING, AND ARCHITECTURAL FIXTURES ATTACHED TO BUILDINGS AND BRIDGES" AND OF THE MANUAL OF STEEL THE TRUSSES THE TRUSSES SHALL BE DESIGNED, FABRICATED, AND ERECTED IN CONSTRUCTION "LOAD RESISTANCE FACTOR DESIGN" LATEST EDITIONS 3 ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/TPI 1: "NATIONAL ALL STEEL SHALL HAVE A MINIMUM YIELD STRESS (Fy) OF 50 KSI DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS UNLESS OTHERWISE NOTED.
- CONSTRUCTION"
- 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 BOSI SUMMARY SHEET B3 FOR TYPES OF DIAGONAL

BRACES TO PROVIDE AT EACH CONTINUOUS LATERAL BRACE LINE. SUCH

DETERMINE WHAT TYPE OF ALTERNATE BRACE (I.E., T OR L BRACE, ETC.)

ANY CHORDS OR TRUSS WEBS SHOWN ON THESE DRAWINGS HAVE BEEN SHOWN AS A REFERENCE ONLY. THE FINAL DESIGN OF THE TRUSSES

TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH

MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED

TRUSS MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTORS FOR

10. PROVIDE SIMPSON H2.5A, USP RT7 OR EQUIVALENT AT EACH TRUSS TO

FABRICATION AND PLACEMENT OF STRUCTURAL WOOD SHEATHING

SHALL HE IN ACCORDANCE WITH THE APA DESIGN/CONSTRUCTION

ALL REQUIRED WOOD SHEATHING SHALL BEAR THE MARK OF THE

GUIDE "RESIDENTIAL AND COMMERCIAL." AND ALL OTHER APPLICABLE

WOOD WALL SHEATHING SHALL COMPLY WITH THE REQUIREMENTS OF

LOCAL BUILDING CODES FOR THE APPROPRIATE STATE AS INDICATED

FOR MORE INFORMATION EXTERIOR WALLS TO BE FULLY SHEATHED

USING 7/6" OSB OR PLYWOOD MINIMUM, AT BRACED WALL PANELS,

PROVIDE BLOCKING AT ALL SHEET EDGES NOT FALLING ON STUDS

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 LINEFSS OTHERWISE NOTED ON THE PLANS SHEATHING SHALL

SHEATHING SHALL HAVE A SPAN RATING CONSISTENT WITH THE

WOOD FLOOR SHEATHING SHALL BE APA RATED SHEATHING

EXPOSURE 1 OR 2. ATTACH SHEATHING TO ITS SUPPORTING

12" O.C. IN PANEL FIELD UNLESS OTHERWISE NOTED ON THE

SHEATHING SHALL HAVE A SPAN RATING CONSISTENT WITH THE

PANEL END JOINTS SHALL OCCUR OVER FRAMING

RECOMMENDED IN ACCORDANCE WITH THE APA.

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

FRAMING WITH (1) 10d NAIL AT 6" O.C. AT PANEL EDGES AND AT

PLANS. SHEATHING SHALL BE APPLIED PERPENDICULAR TO FRAMING

FRAMING SPACING. PROVIDE SUITABLE EDGE SUPPORT BY USE OF

T&G PLYWOOD OR LUMBER BLOCKING UNLESS OTHERWISE NOTED.

SHEATHING SHALL HAVE A X" GAP AT PANEL ENDS AND EDGES AS

BE APPLIED WITH THE LONG DIRECTION PERPENDICULAR TO FRAMING

ON THESE DRAWINGS. REFER TO WALL BRACING NOTES IN PLAN SET

THE SUPPORT LOCATIONS SHOWN ON THE SEALED STRUCTURAL

DRAWINGS TRUSS PROFILES TO BE SEALED BY THE TRUSS.

TOP PLATE CONNECTION, UNLESS OTHERWISE NOTED.

IS REQUIRED.

SHALL BE PER THE MANUFACTURER

STRUCTURAL DRAWINGS

WOOD STRUCTURAL PANELS:

LL TRUSSES.

APA STANDARDS.

2.

APA

OR PLATES.

TO BE %5" OSB MINIMUM.

DIAGONAL BRACES SHALL NOT BE SPACED MORE THAN 20 FEET O.C.

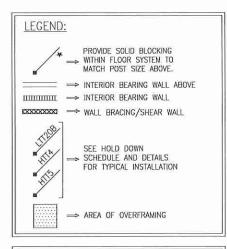
STRUCTURAL FIBERBOARD PANELS:

- STRUCTURAL FIBERBOARD SHEATHING SHALL ONLY BE USED WHERE SPECIFICALLY NOTED ON THE STRUCTURAL PLANS. FABRICATION AND PLACEMENT OF STRUCTURAL FIBERBOARD SHEATHING SHALL BE IN ACCORDANCE WITH THE APPLICABLE AFA STANDARDS. 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

- 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
 - ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 31/8" 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" O.C.

MECHANICAL FASTENERS

- 1. ALL METAL HARDWARE AND FASTENERS TO BE SIMPSON STRONG-TIE OR APPROVED FOLIVALENT ALL HARDWARE AND FASTENERS IN CONTACT WITH PRESERVATIVE
- PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED IN
- ACCORDANCE WITH ASTM A 153 G-185 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.

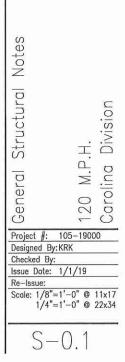


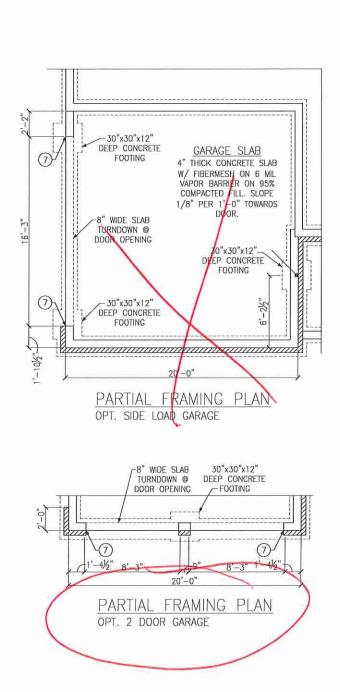
BRICK	VENEER LINTEL S	CHEDULE
SPAN	LINTEL SIZE	END BEARING
UP TO 3'-0"	3½"x3½"x¼"	4"
UP TO 6'-3"	5"x3½"x516" L.L.V.	8"
UP TO 9'-6"	6"x3½"x5/6" L.L.V.	12"
LINTELS ARE	NOT DESIGNED TO BE BOL NLESS SPECIFIED ON UNIT F 4'-0" SHALL BE SHORED	

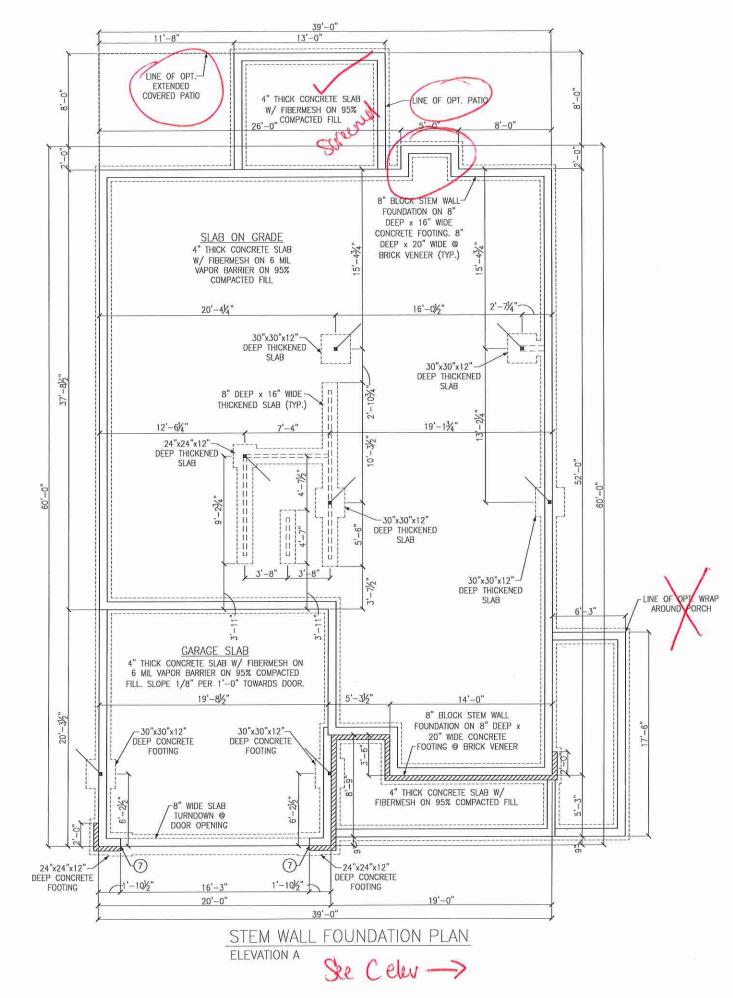








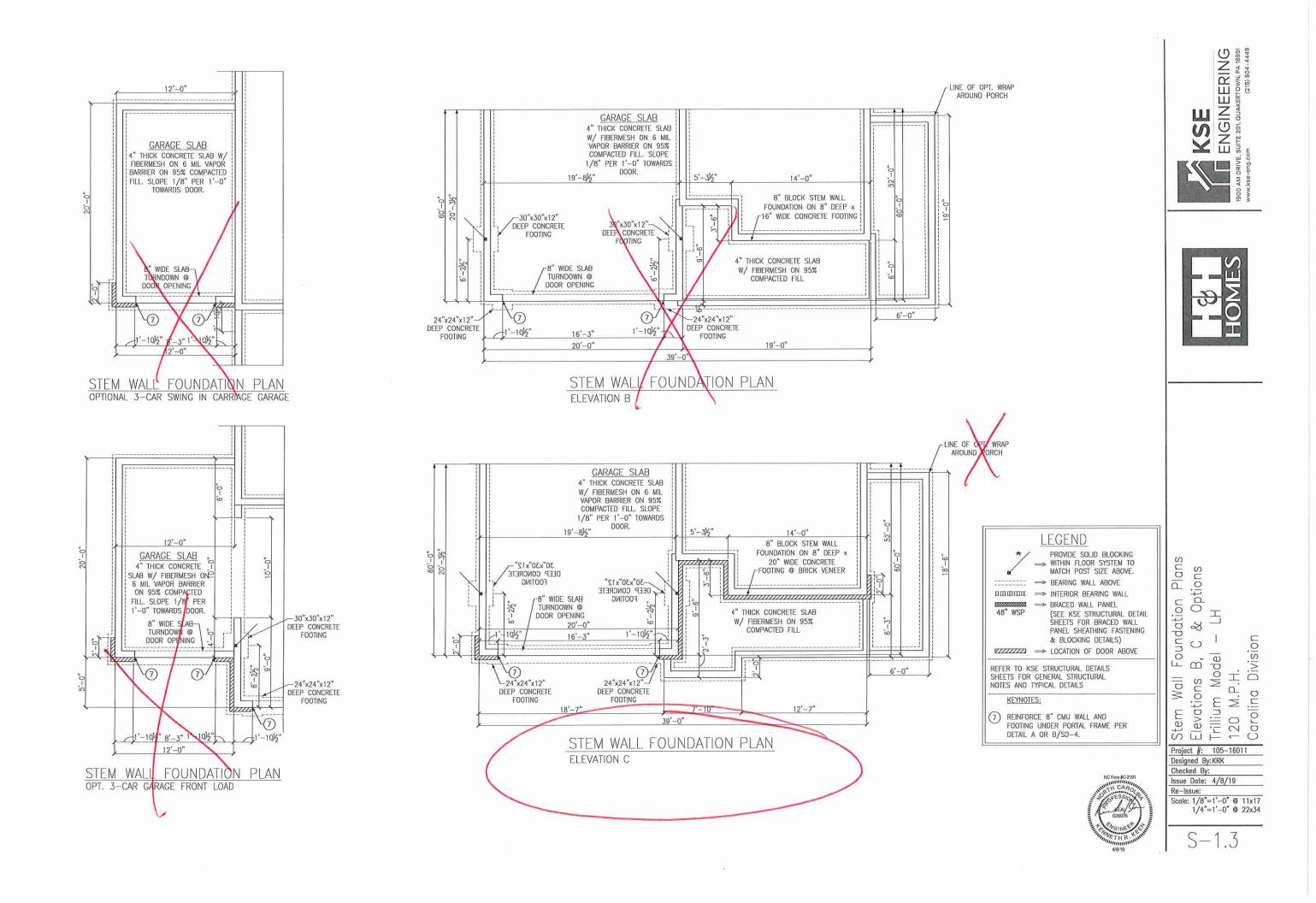


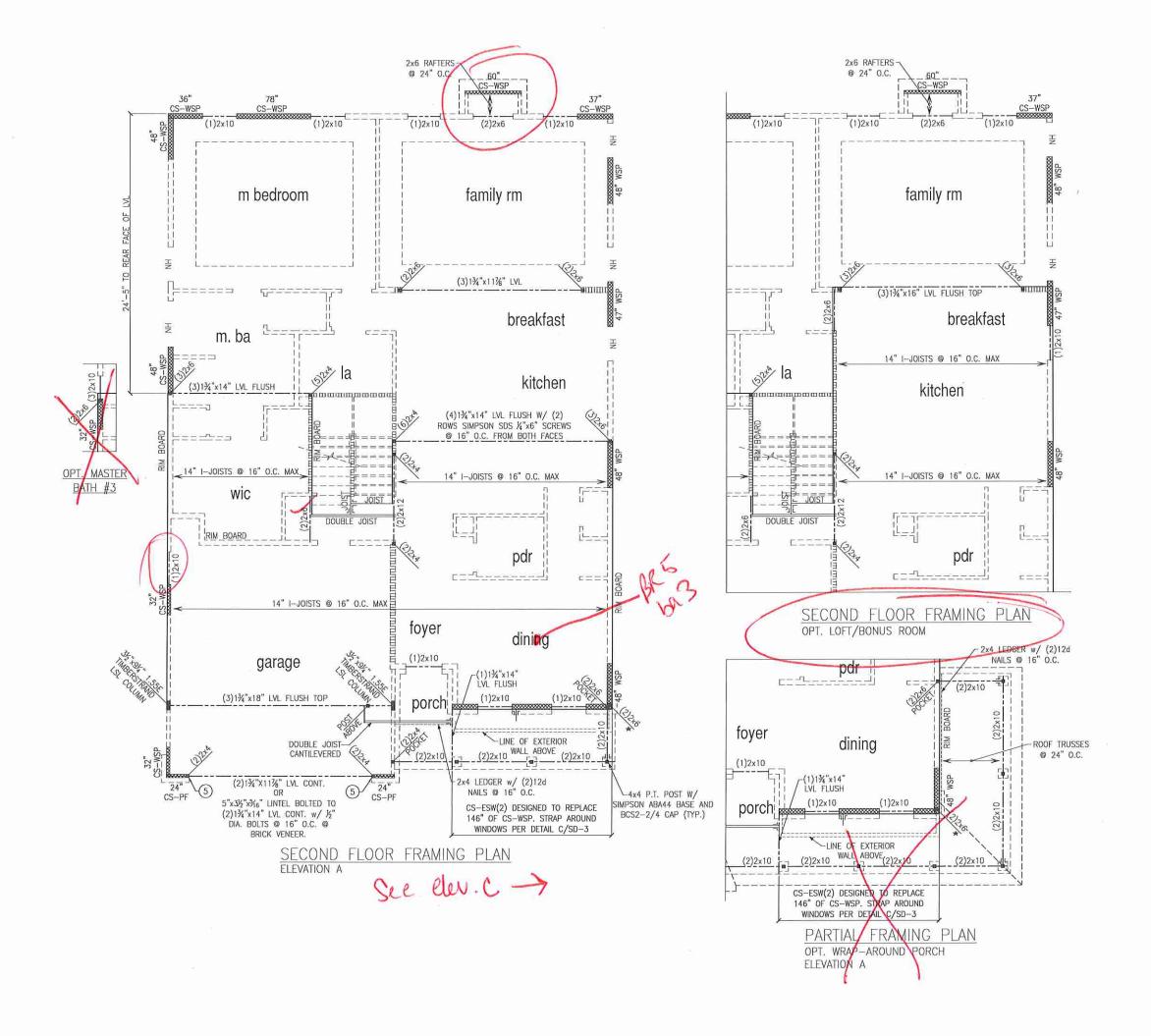






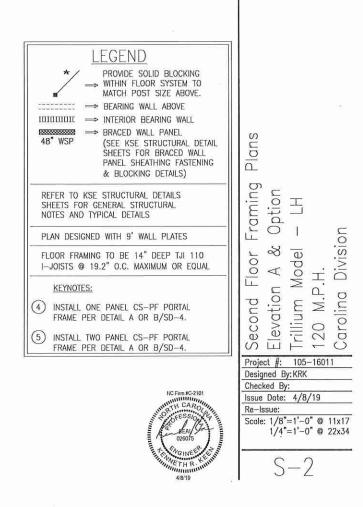
LEGEND PROVIDE SOLID BLOCKING ans → WITHIN FLOOR SYSTEM TO MATCH POST SIZE ABOVE. → BEARING WALL ABOVE ā Foundation \implies BRACED WALL PANEL 0000000000000 Option 48" WSP Ξ (SEE KSE STRUCTURAL DETAIL SHEETS FOR BRACED WALL PANEL SHEATHING FASTENING Stem Wall Founda Elevation A & Op Trillium Model – 120 M.P.H. Carolina Division & BLOCKING DETAILS) REFER TO KSE STRUCTURAL DETAILS SHEETS FOR GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS KEYNOTES: (7) REINFORCE 8" CMU WALL AND FOOTING UNDER PORTAL FRAME PER DETAIL A OR B/SD-4. Project #: 105-16011 Designed By: KRK Checked By: NC Firm #C-2101 Issue Date: 4/8/19 Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34 S-1.2

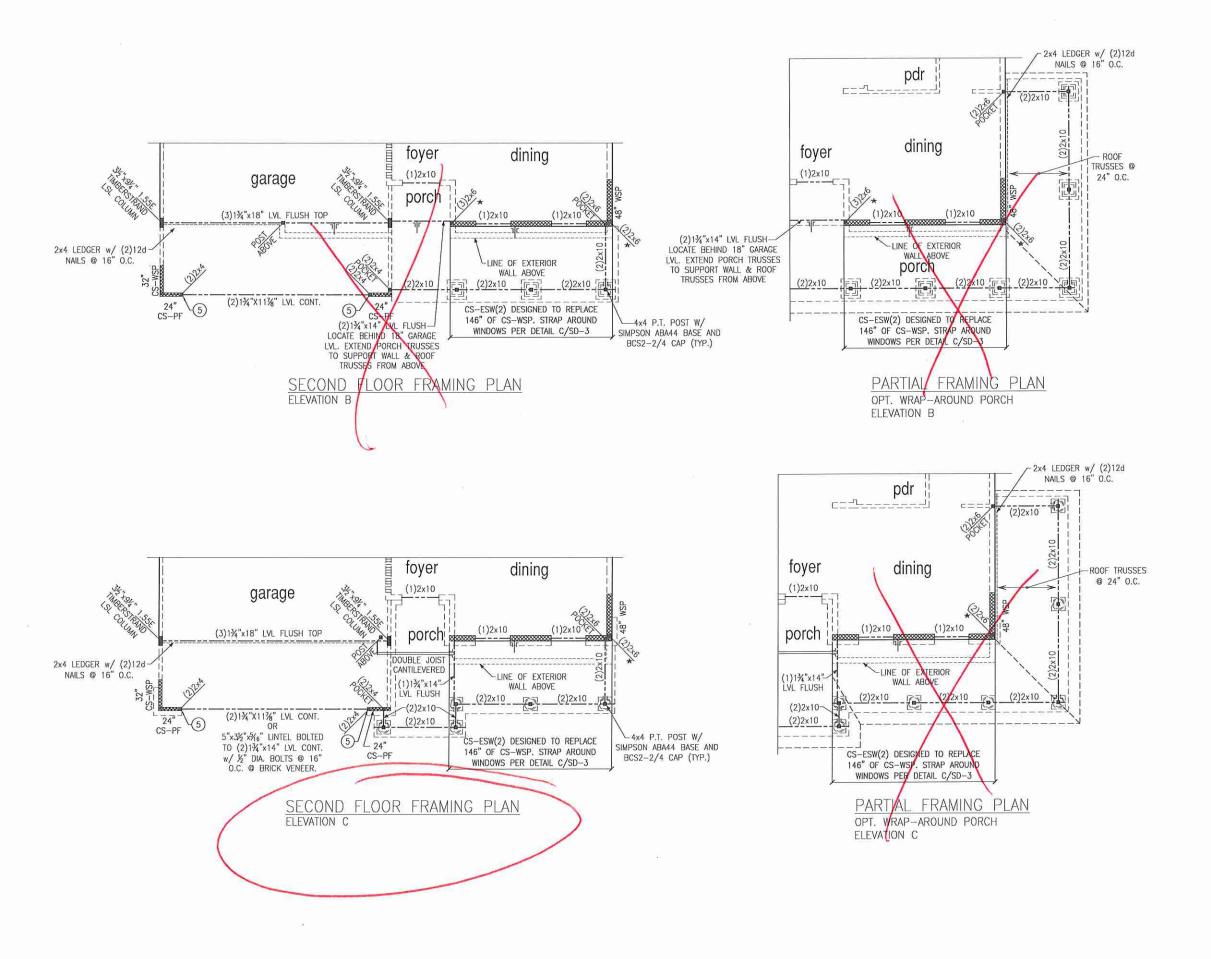






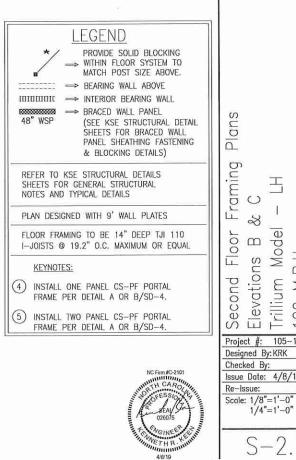




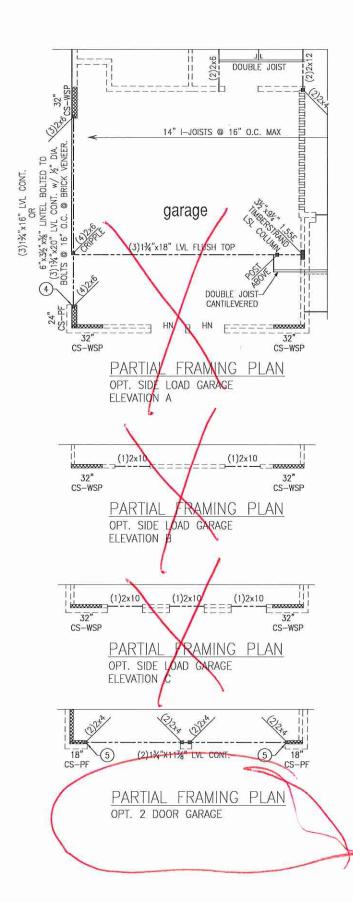










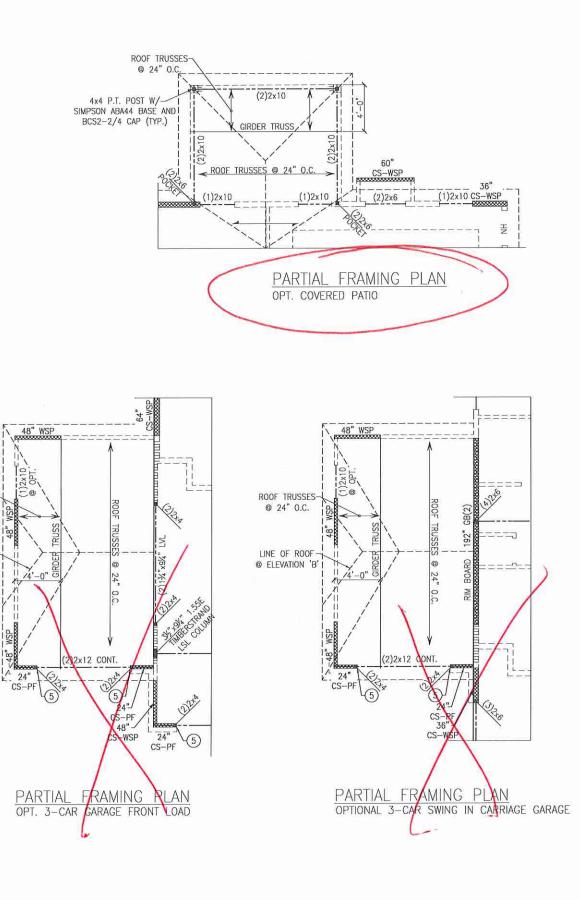


ROOF TRUSSES-

@ 24" O.C.

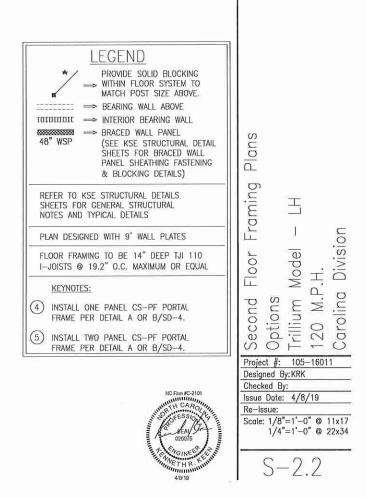
LINE OF ROOF-

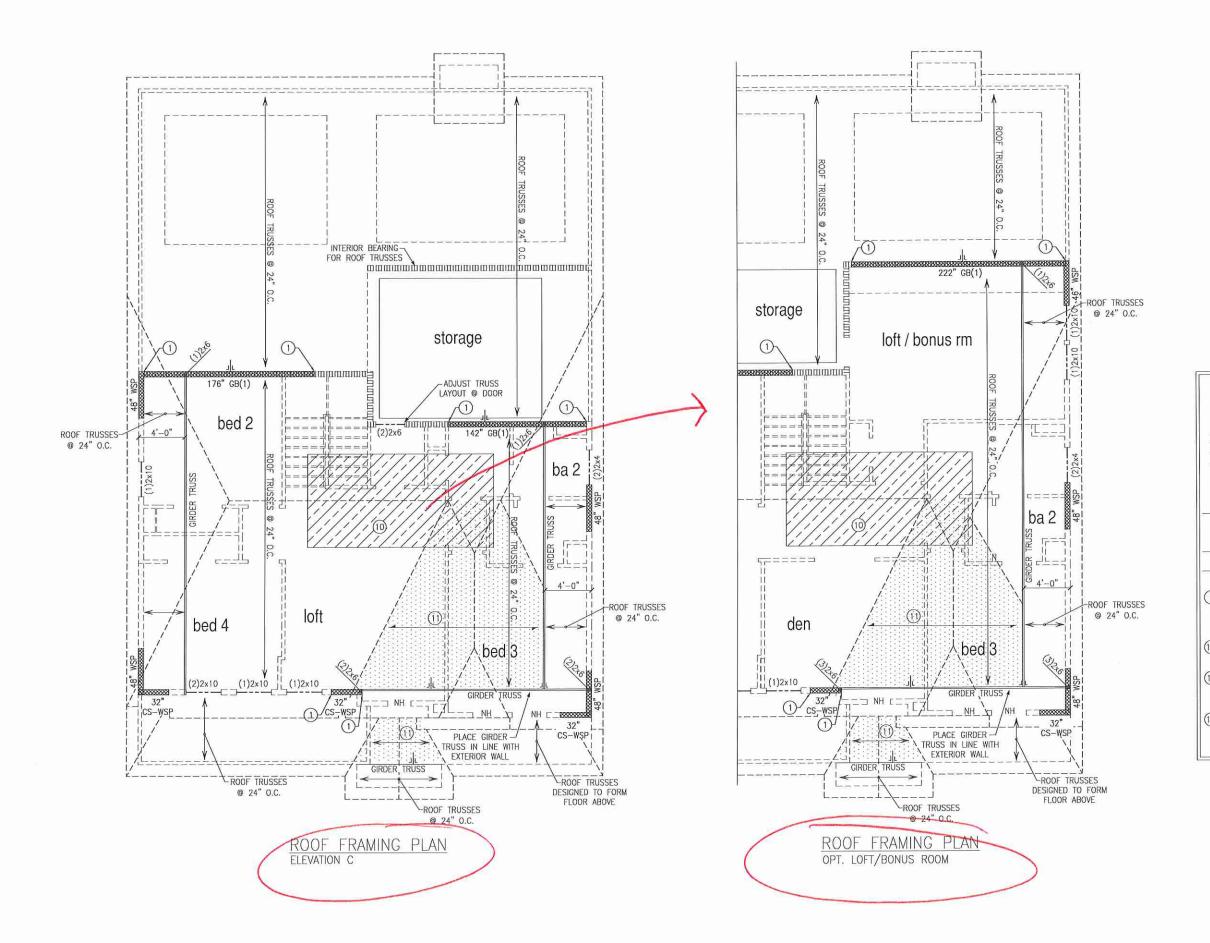
@ ELEVATION 'B' I

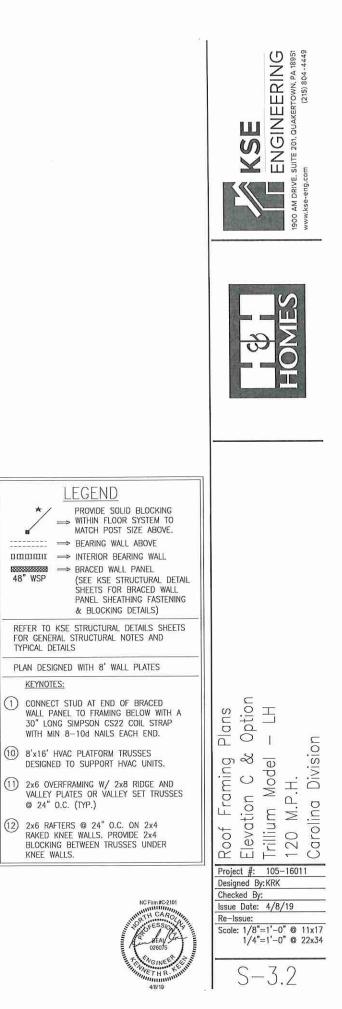


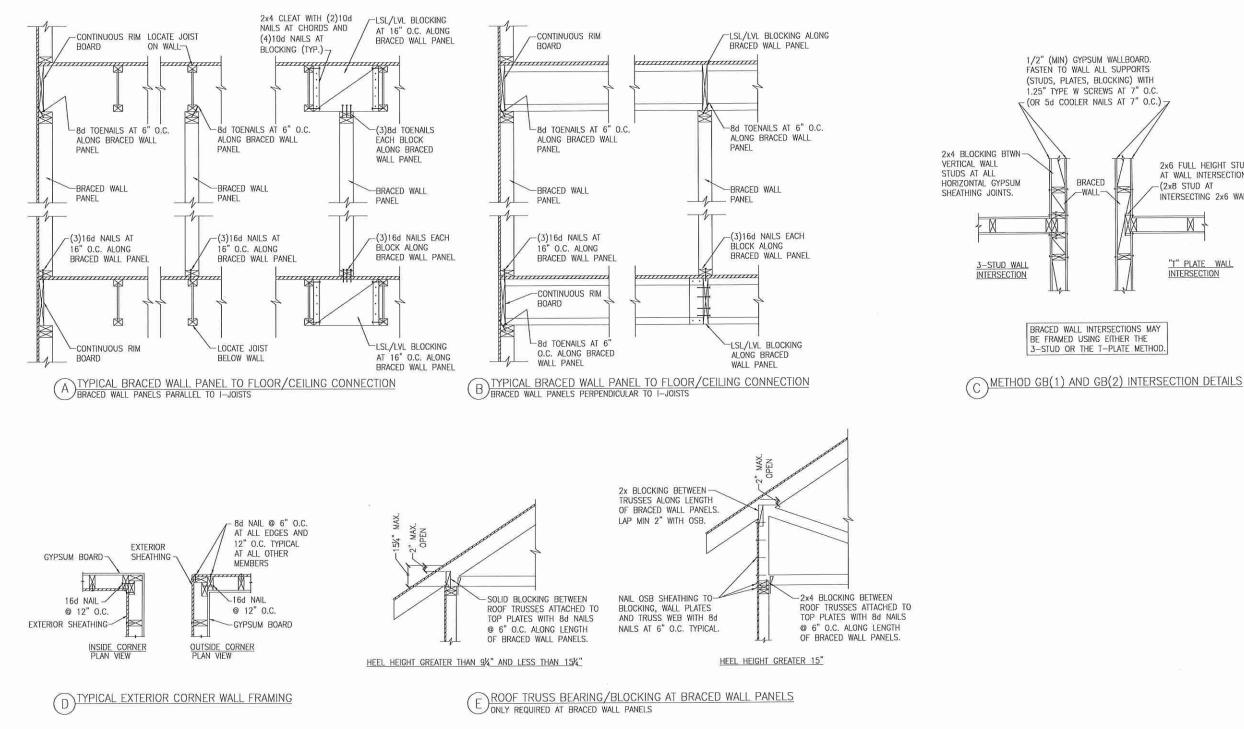












2x6 FULL HEIGHT STUD AT WALL INTERSECTION -(2x8 STUD AT INTERSECTING 2×6 WALL)

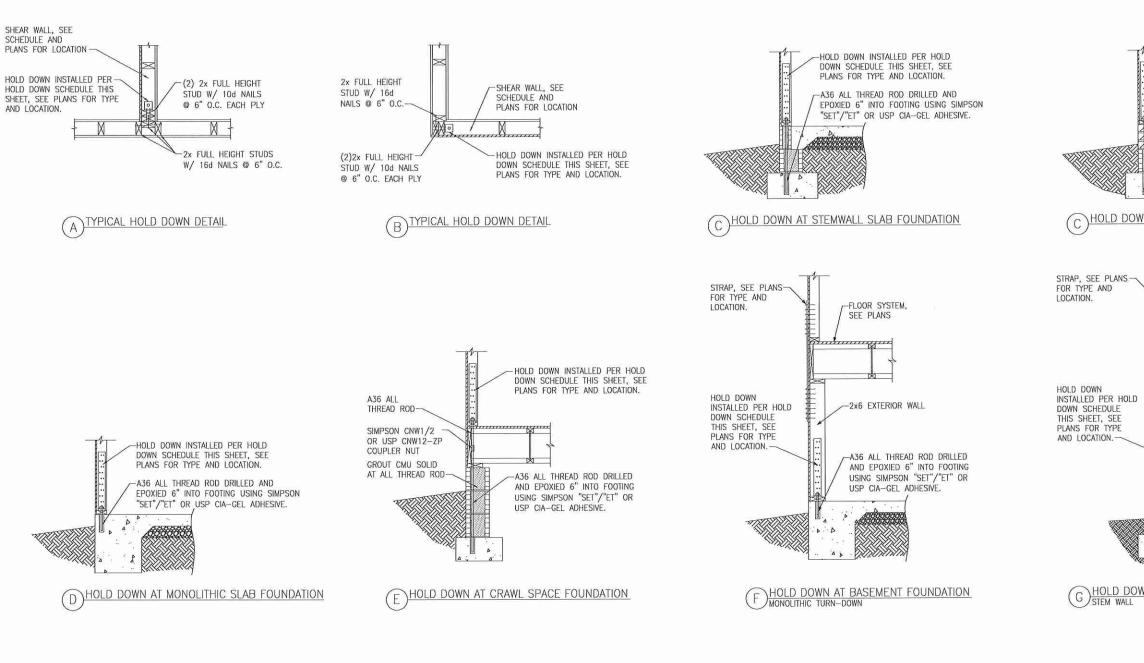
"T" PLATE WALL INTERSECTION

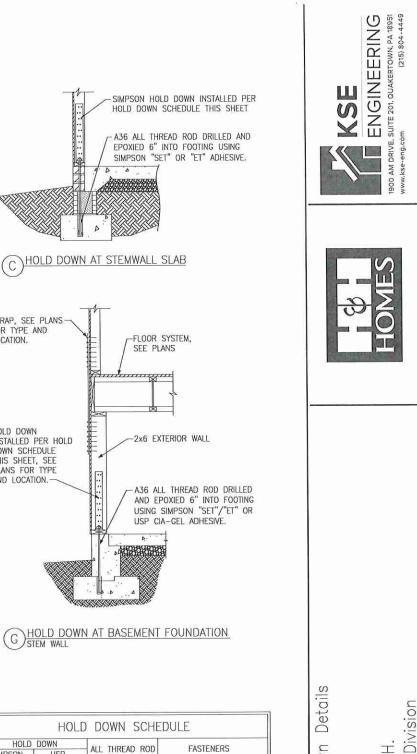






Details	sion
Wall	o.H. Divi
Braced	120 M.F Carolina
Designed By: Checked By:	
Issue Date: Re-Issue:	
Scale: 1/8"= 1/4"=	1'-0" @ 11x17 1'-0" @ 22x34
SD)—1





HOLD	DOWN	ALL THREAD ROD	FASTENERS		
PSON	USP	ALL THREAD ROD	FASTENERS		
20B	LTS20B	½" DIA.	(10)10d NAILS		
4	HTT16	扬" DIA.	(18)16dx2½" LONG NAILS		
5	HTT45	5%" DIA.	(26)16dx2½" LONG NAILS		

SIMPSON

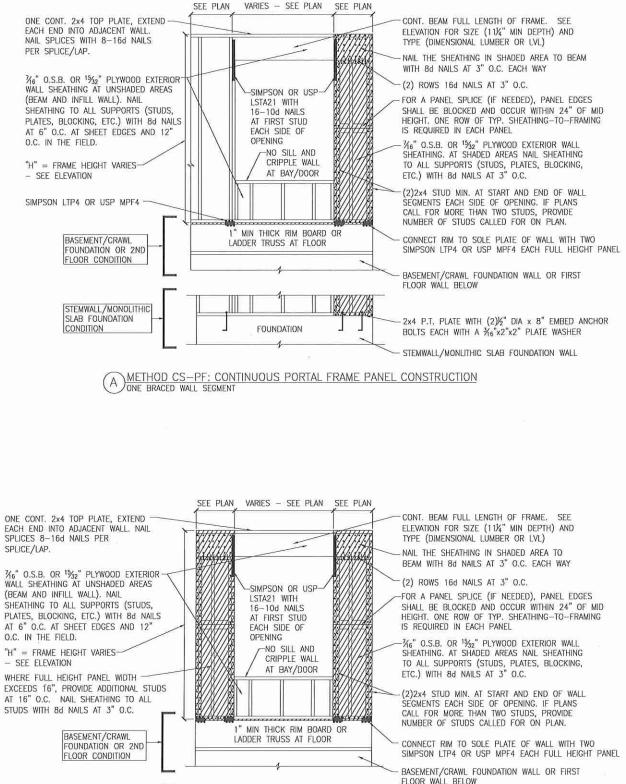
LTT20B

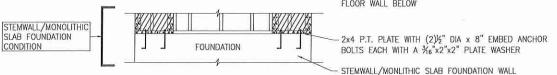
HTT4

HTT5

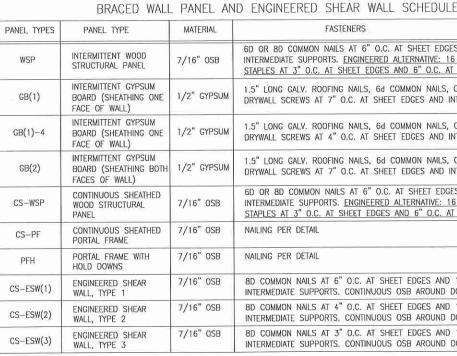


M.P.H. blina Division Down Carolina 20 σ Б Н <u>___</u> Project #: 105-19000 Designed By: KRK Checked By: Issue Date: 1/1/19 Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34 SD-2





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



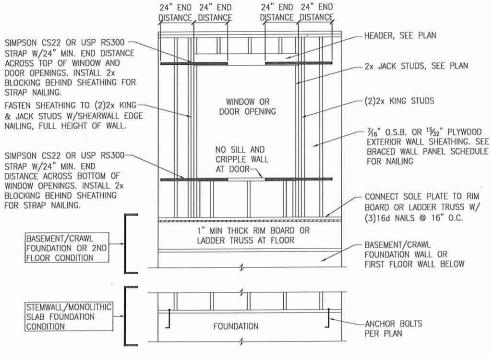
BRACED WALL PANEL NOTES:

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.

SHEATH ALL EXTERIOR WALLS OF THE HOUSE WITH 7/6" O.S.B., OR 15/2" PLYWOOD, FASTENED PER IRC. AT EXTERIOR CORNERS, 3 SHEATHING SHALL BE FASTENED PER KSE BRACED WALL DETAILS. AT INTERIOR WALL INTERSECTIONS, FASTEN STUDS & WALL BRACING PER KSE BRACED WALL DETAILS.

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

FASTENERS

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

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.

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.

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.

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

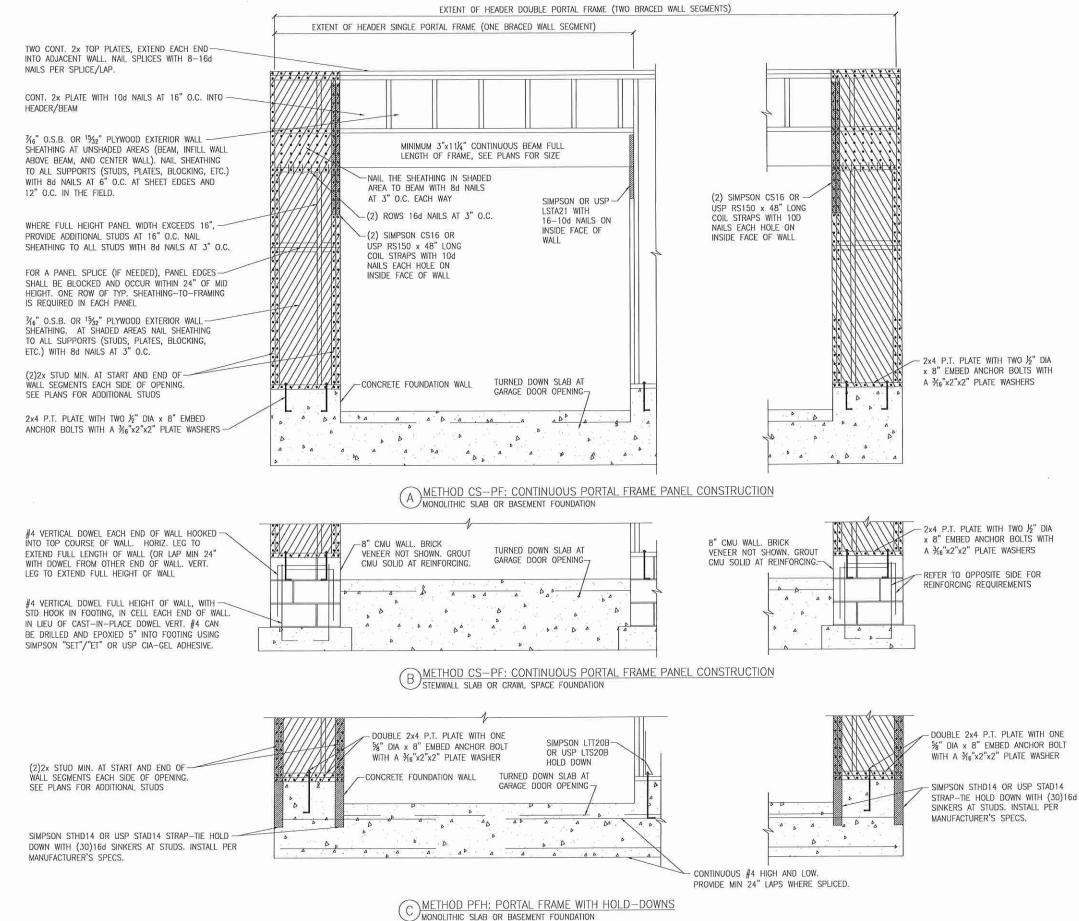
8D COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS, CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS 8D COMMON NAILS AT 4" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS 8D COMMON NAILS AT 3" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS, CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS







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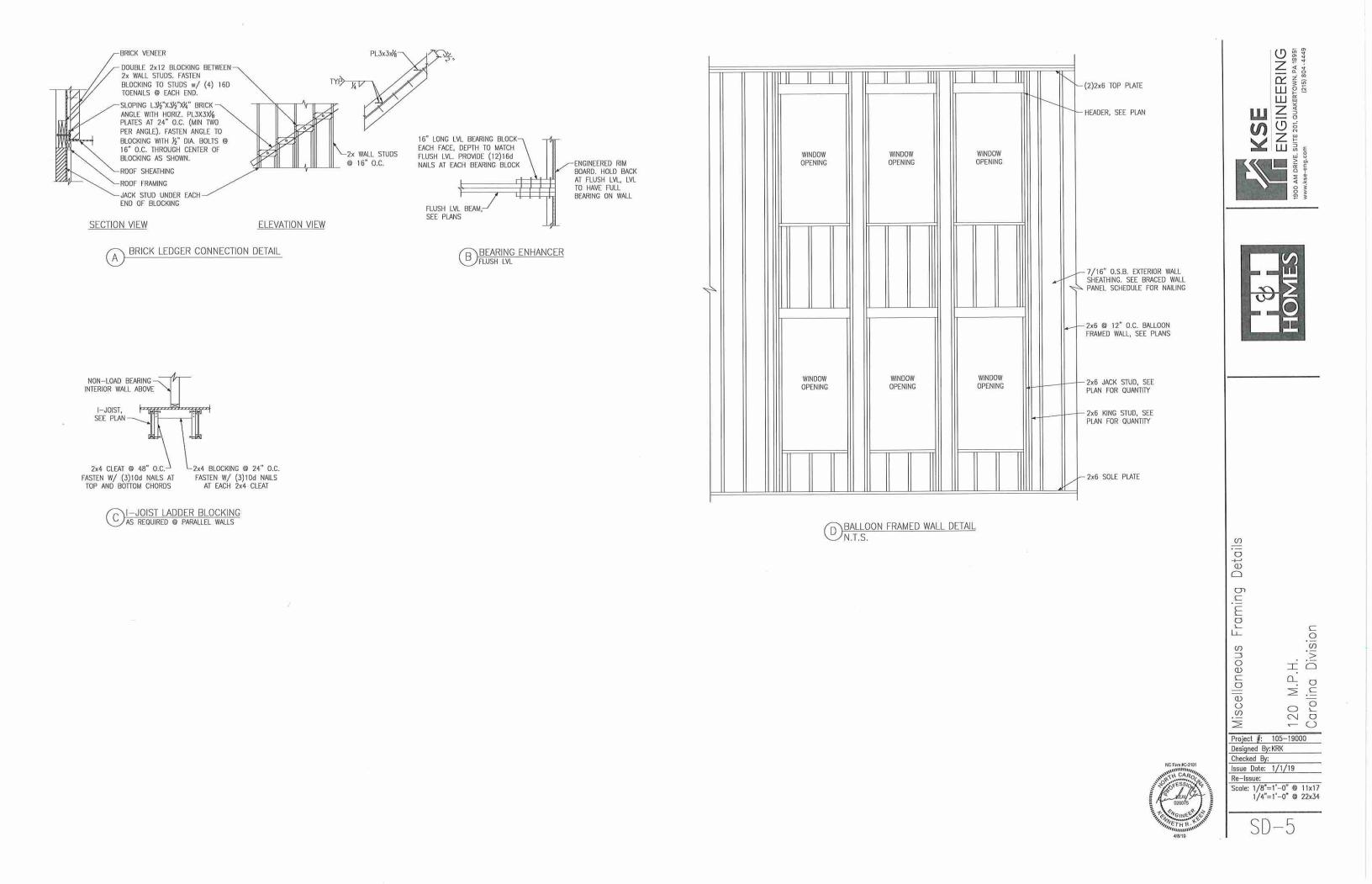


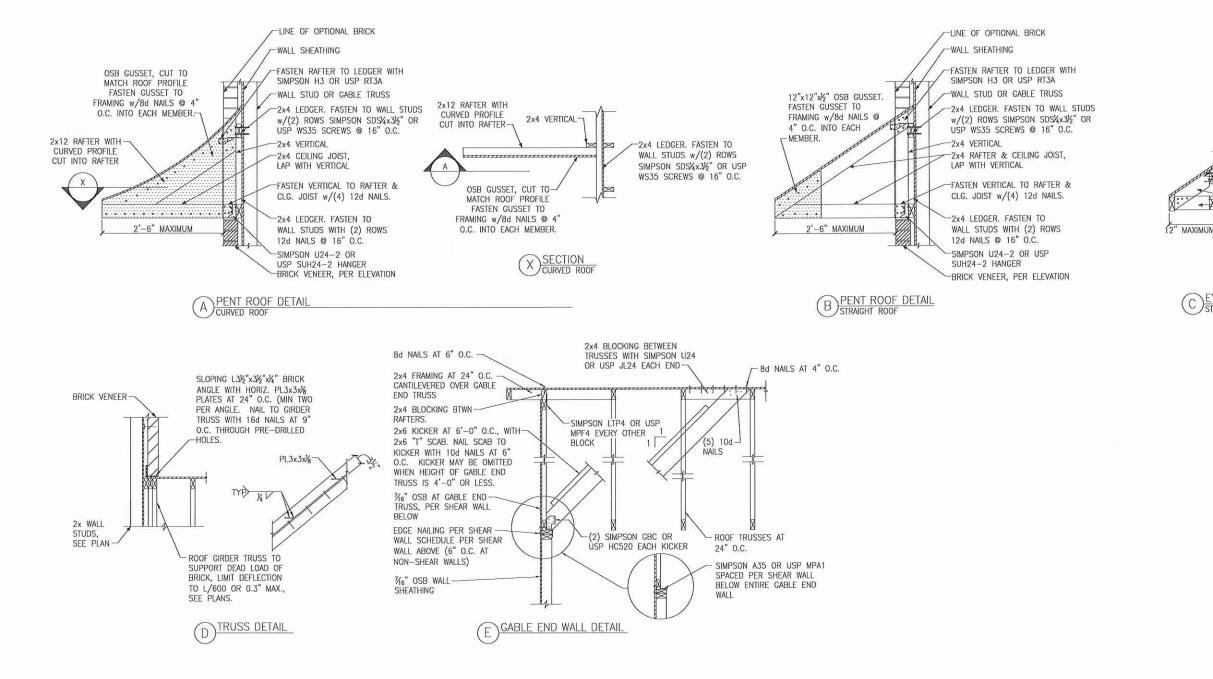




S ē Det .H. Division Ð Fram M.P. Carolina Lar 20 õ 0 Project #: 105-19000 Designed By: KRK Checked By Issue Date: 1/1/19 Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34 SD

NC Firm #C-210





WALL STUD OR GABLE TRUSS TOENAIL RAFTER TO LEDGER WITH (4) 12d NAILS 2x4 LEDGER. FASTEN TO WALL STUDS w/(2) ROWS SIMPSON SDS¼x3½" OR USP WS35 SCREWS @ 16" O.C. 2x4 RAFTER & CEILING JOIST, LAP AND FACE NAIL WITH (4) 12d NAILS 2x4 LEDGER. FASTEN TO WALL OR GABLE TRUSS WITH (2) ROWS 12d NAILS @ 16" O.C.

C EYEBROW ROOF DETAIL STRAIGHT ROOF





Details		
Framing		LO
Miscellaneous	120 M P H	0
Project #: Designed f Checked B Issue Date Re-Issue: Scale: 1/8 1/4	By: KRK ly:	
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