COLLEX602 BUYER MARKED PLAN

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DOGWOOD **REVISION LIST - STRUCTURAL:**

1.) ADDED I-IOIST SERIES/SPACING (11-16)

- 2) CHANGED FRAMING AND REMOVED FOOTINGS AND FOUNDATION SUPPORT FOR THE REMOVED VALUE IN BEDROOM 3 (11.16)
- 3.) ADDED FRAMING FOR CHASE AT SECOND FLOOR (11-16)
- 4.) ADDED/REMOVED EXTRA [OISTS IN CRAWL (11-16)
- 5.) ADDED PLUMBING DIMENSIONS WITH OPTIONAL MASTER MATH ON MONO (11-16)
- 6.) CHANGED ALL GARAGE HEADERS TO (3) PLY (11-16)
- 7.) CHANGED DOUBLE STUD POCKETS TO TRIPLE STUD POCKETS (11-18)
- 8.) REMOVED BRICK FROM REAR PORCH (11-18)
- 9). REMOVED INTERIOR WALL BRACING PANELS (11-18)
- 10.) 2018 CODE UPDATE (6-19)
- 11.) CHANGE 2X6 EXTERIOR WALLS TO 2X4 EXTERIOR WALLS (3.11.20)
- 12.) SQUARE FOOTAGES CHANGE ON SECOND FLOOR BETWEEN ALL ELEVATIONS DUE TO CLOSET BUMP OUT (B ELEVATIONS) AND BEDROOM 4 BUMP OUT (C ELEVATIONS) (08-13-20)
- 13.) SQUARE FOOTAGE OF FIRST FLOOR CHANGES WITH B ELEVATIONS DUE TO BUMP OUT IN FOYER (08-13-20)
- 14.) CHANGED ALL EXTERIOR WALLS FROM 2X6 TO 2X4 EXCEPT WHERE SHADED (11-01-20)
- 15.) REMOVED HEADER FROM STANDARD OWNER'S BATHROOM FOR TRANSOM WINDOW THAT WAS REMOVED (09-07-22)
- 16.) BASEMENT INTERIOR WALLS CHANGED FROM 2X4 TO 2X6 (09:28-22)
- 17.) CHANGED WALL BETWEEN FAMILY ROOM AND KITCHEN TO 2X6 (09-28-22)
- 18.) CHANGED OPENING FROM FOYER TO FAMILY ROOM FROM 4'-6" TO 4'-4" (09-28-22)

09/09/2024 - Buyer Selection Notes Added

DOGWOOD **REVISION LIST - ARCHITECTURAL:** NOVEMBER 01, 2020

35.

CREATED ELEVATIONS TO BE IN STANDARDS WITH OTHER PLANS (SEE SHEETS A-1 THROUGH

- A-3.5) CHANGED COLUMNS ON ELEVATIONS TO
- STANDARD COLUMNS
- CHANGED GARAGE DOORS TO REPRESENT
- STANDARD GARAGE DOOR FOR EACH ELEVATION FIXED COVERED PORCH TO KEEP COLUMNS
- FROM OVERLAPPING EDGE OF CONCRETE
- 5 REMOVED GRIDS FROM TRANSOMS ABOVE FRONT DOOR
- ADDED NOTE FOR GARAGE DOOR "GARAGE
- DOOR PER SPECIFICATIONS AND GLASS INSERT (TOP PANEL ONLY)"
- MOVED ROOF PLANS TO SHEETS S4
- ROOF ABOVE COVERED PATIO CHANGED TO 8. SHED ROOF (SEE ON SIDE AND REAR ELEVATIONS).
- REMOVED OPTION FOR FIREPLACE IN OWNER'S BEDROOM
- 10. CREATED SLAB INTERFACE PLAN (SEE SHEET A-4
- THROUGH A-4.2) 11 MOVED ALL OPTIONS OFF BASE PLAN AND
- PLACED ON SEPARATE SHEET. ADDED NOTE FOR FLUSH COUNTERTOP ON
- ISLAND AND 34 1/2" H. WALL UNDER CHANGED PATIO SIZE TO STANDARD 12'X10'
- 13 ADDED OPTIONAL GAS LINE 14.
- 15. CHANGED NAME OF 'FLEX ROOM' TO 'STUDY' 16. CHANGED 'BREAKFAST ROOM' TO 'CASUAL
- DIMING
- 17 ADDED 2ND HOSE BIB
- 18. CALLED OUT '45' WALL WITH CAP' AS STANDARD
- 19. CHANGED ALL EXTERIOR WALLS FROM 2X6 TO 2X4 EXCEPT WHERE SHADED
- 20. ADDED NOTE "OPT. REF."
- ADDED NOTE "OPT. W/D" 21.
- ADDED NOTE 'WASHER ALWAYS TO BE LOCATED 22. TO THE LEFT OF DRYER
- ADDED PDS ATTIC ACCESS 23
- VERIFIED VENTILATION AND LIGHT 24. REQUIREMENTS AT OWNER'S BEDROOM MEETS. CODE (11-01-20)
- SOUARE FOOTAGES ARE UPDATED AND 25. CHANGED DUE TO MOVEMENT OF WALL DOWN
- CENTER OF HOUSE TO KEEP WALLS FROM MOVING BETWEEN ELEVATION CHOICES 2.6 SOUARE FOOTAGE OF COVERED PORCH
- CHANGED DUE TO KEEPING COLUMNS FROM OVERLAPPING CONCRETE EDGE
- CREATED PARTIAL PLANS FOR B & C ELEVATIONS

- 31 PLACED STANDARD 3 BULB LIGHT IN KITCHEN
- VERIFIED COACH LIGHT LOCATIONS (SEE ELEVS

FOR DIMS.

- PLACED DASHED FANS WHERE APPLICABLE WITH 33 NOTE 'STD. LIGHT, OPT. FAN/LT PREWIRE' 34 UPDATED ELECTRICAL KEY

 - REMOVED UNDER CABINET LIGHTINGS
- 36 VERIFIED CO2 DETECTOR LOCATIONS SHOWED PENDANT LIGHTS AS OPTIONAL
- 37. 38. SHOWED CAN LIGHTS IN KITCHEN AND FAMILY
 - ROOM AS "OPTIONAL CAN LIGHTS"
- 30 PLACED OPTIONAL FLOOD LIGHTS 40. PLACED OPTIONAL FLOOR OUTLET IN FAMILY
- ROOM
- 41. PLACED CALCULATIONS FOR SOFFIT AND RIDGE VENT REQUIREMENTS
- 42. CHANGED LAYOUT FOR BASE OWNER'S
- BATHROOM 43. ADDED OPTIONAL OWNER'S BATH 2 & OWNER'S
- BATH 3 REMOVED "OPTIONAL COVERED DECK AT 44.
- OWNER'S BATH FEBRUARY 01, 2022
- ADDED OPTIONAL DOUBLE GARAGE DOOR 45. FLOOR PLAN TO FIRST FLOOR OPTIONS SHEET
- (02-01-22 ADDED OPTIONAL BASEMENT TO PLANS (02-01-22)
- 47. REMOVED TRANSOM WINDOW FROM OWNER'S
- BATH 1 (09-07-22)
- 48 CHANGED BASEMENT INTERIOR WALLS TO 2X6 (09-28-22)
- CHANGED WALL BETWEEN FAMILY ROOM AND 40 KITCHEN TO 2X6 (09-28-22)
- 50 CHANGED OPENING FROM FOYER TO FAMILY ROOM FROM 416" TO 414" (09-28-22)
- 51 RECENTERED WINDOWS AND FIREPLACE IN FAMILY ROOM (09-28-22)
- 57 CREATED CHASE ON TUB SIDE OF OWNER'S BATH 2 BY REMOVING SOME DEPTH FROM EXISTING CHASE ON SHOWER SIDE TO GET CLEARANCE
- FOR TUBS FAUCET (11-01-23) CREATED FOUAL CHASE IN SHOWER LOCATION 53
- FOR PRIMARY OWNER'S BATH 2 (11.01.23) WINDOW OF OWNER'S BATH 2 MOVED BY 7" 54.
- (11-01-23) CHANGED OWNER'S BEDROOM TO PRIMARY 55.
- BEDROOM (11-01-23) 56 CHANGED OWNER'S BATH TO PRIMARY
- BATH(11-01-23)
- (FLOOR, SLAB, & ELECTRICAL)
- REMOVED ALL WALL OUTLETS
- 20 REMOVED ALL PHONE OUTLETS
- 30. REMOVED ALL TV OUTLETS

SHEET COVER

FINDERS HOMES

REAM

 \cap

DRAWN BY:

EVIEWED BY

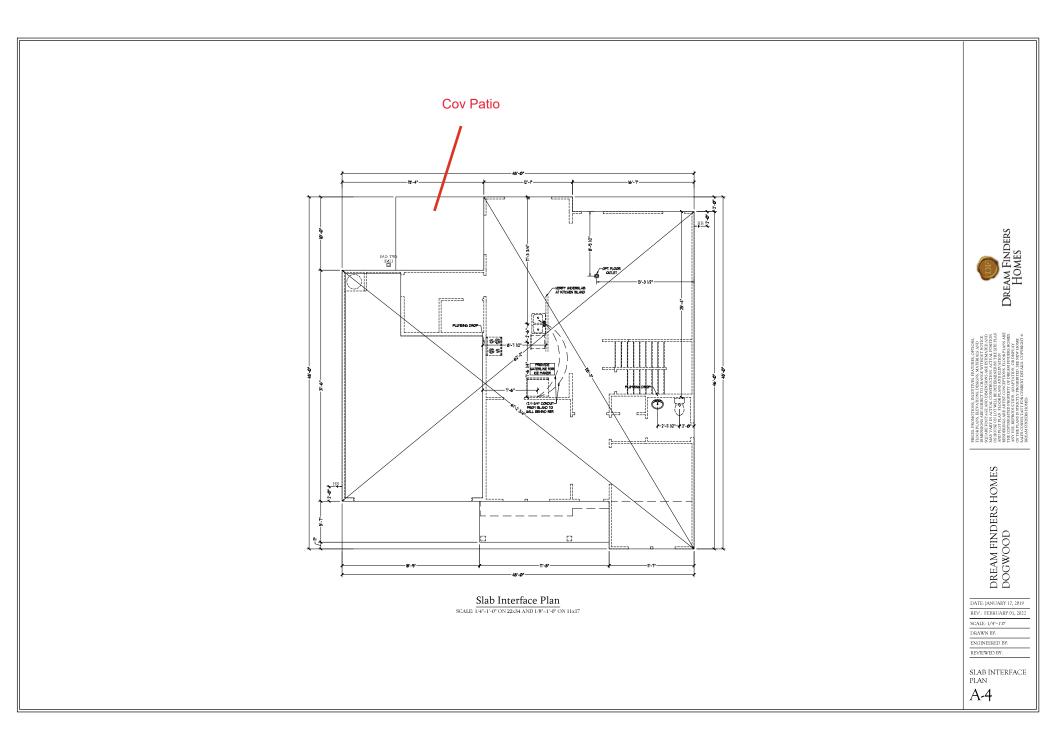
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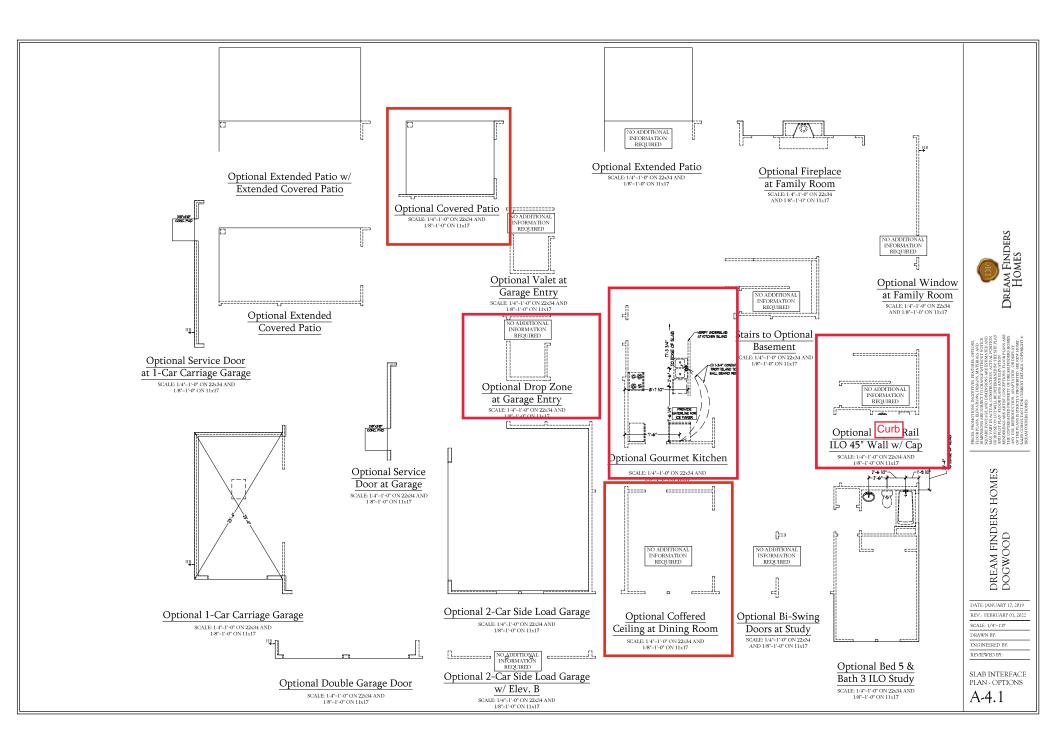
DOGWOOD

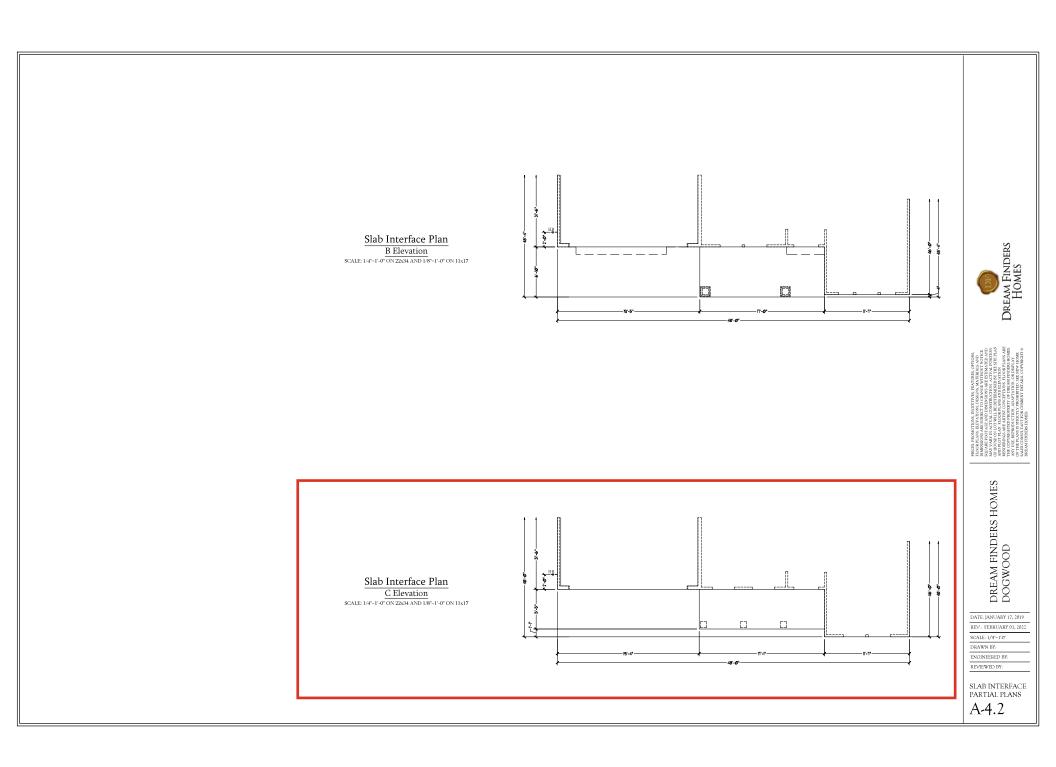
DREAM FINDERS HOMES

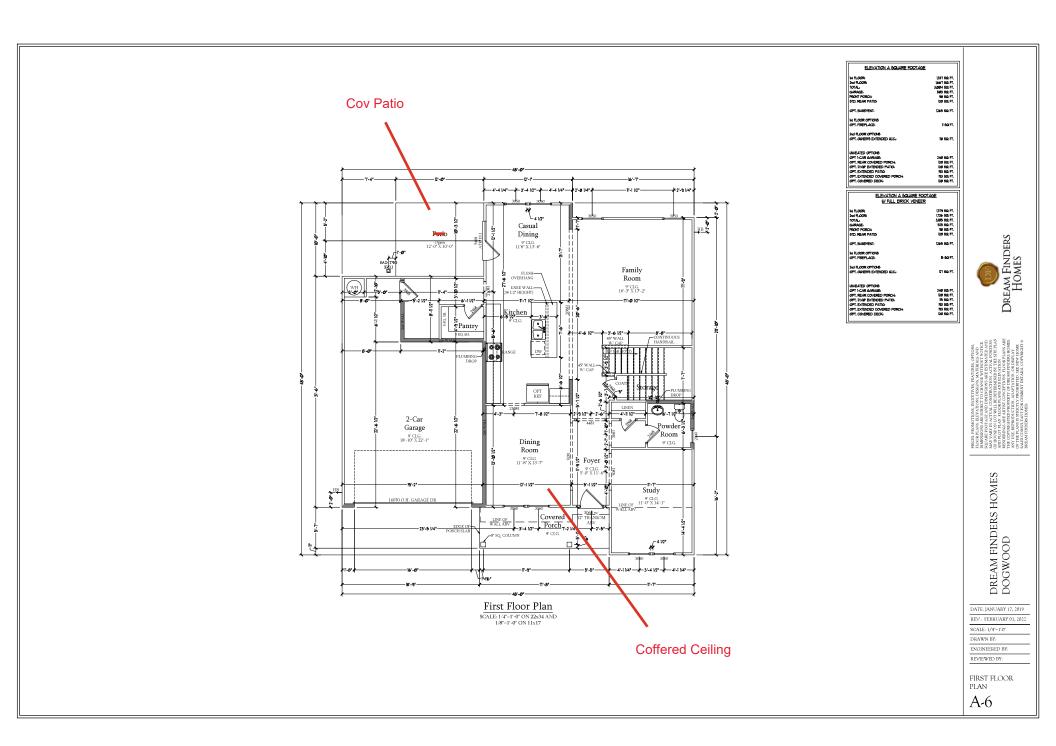


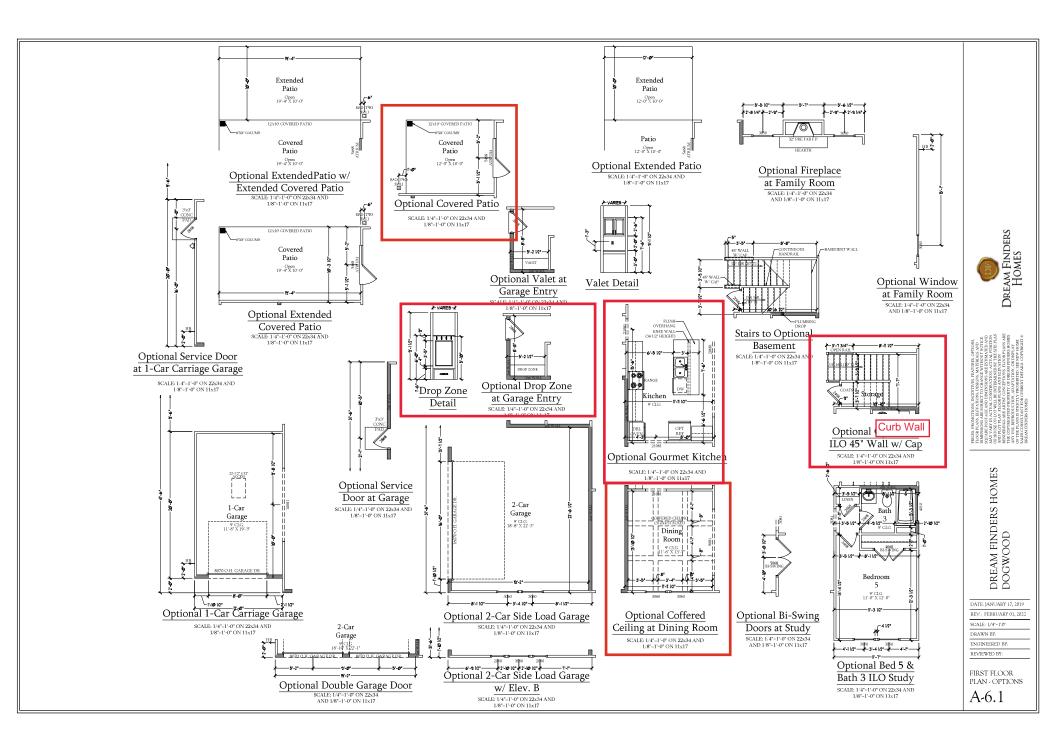


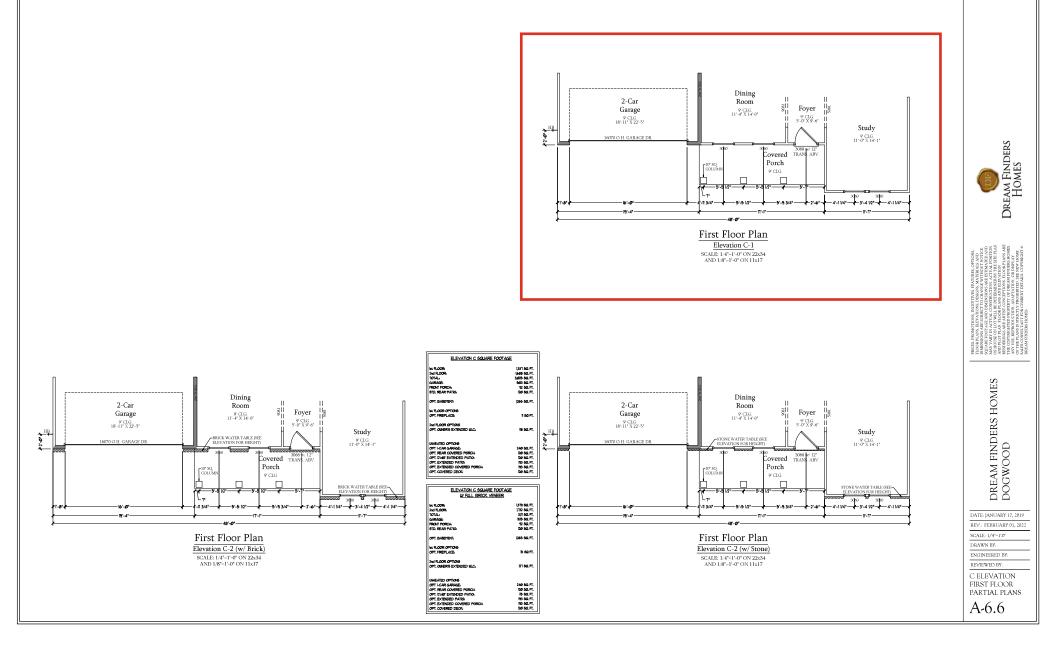


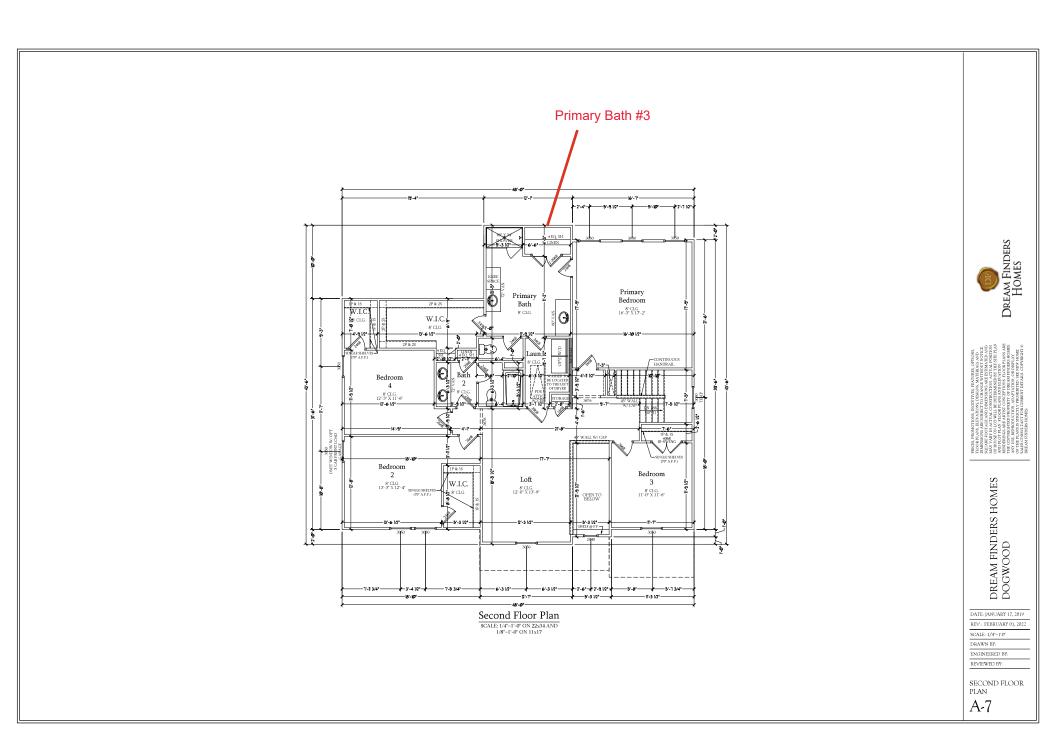


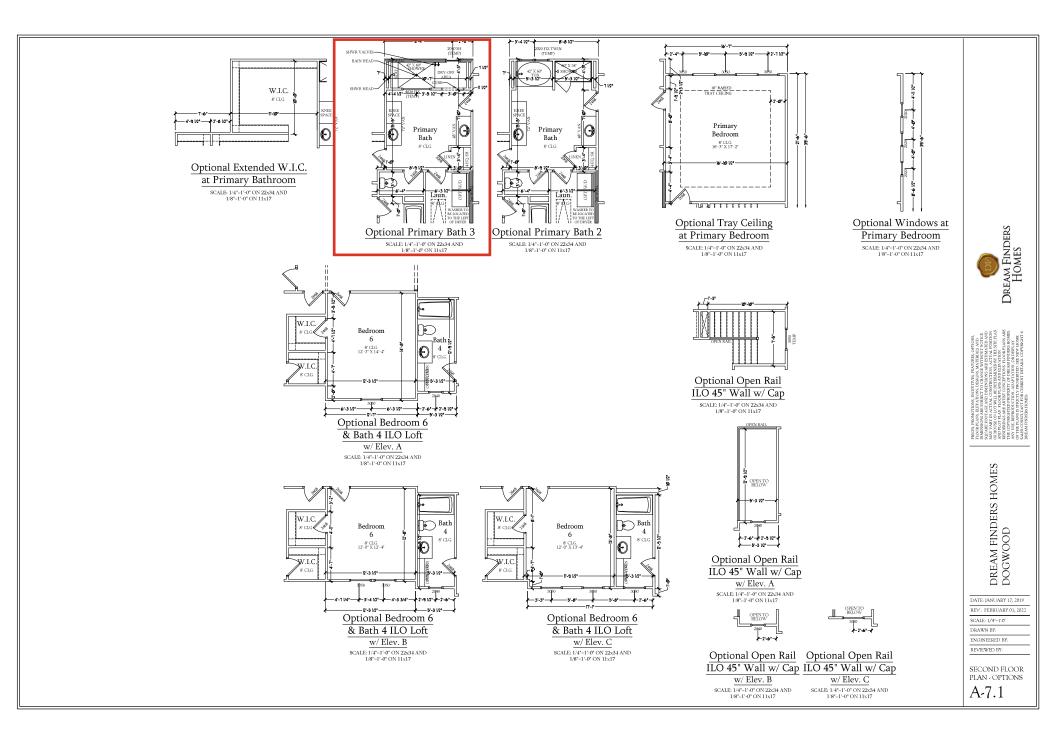


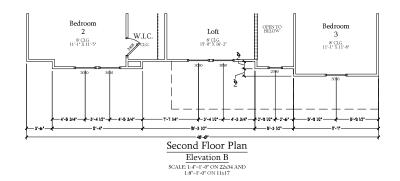


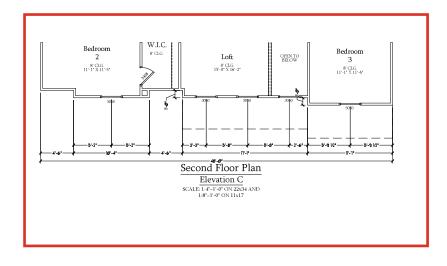




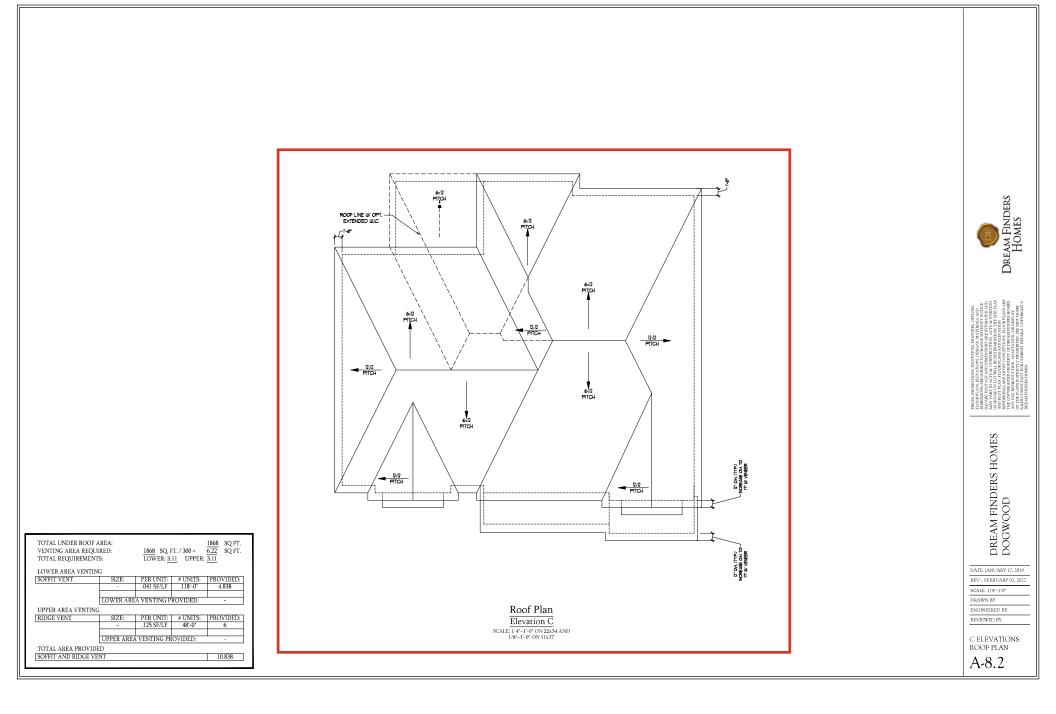


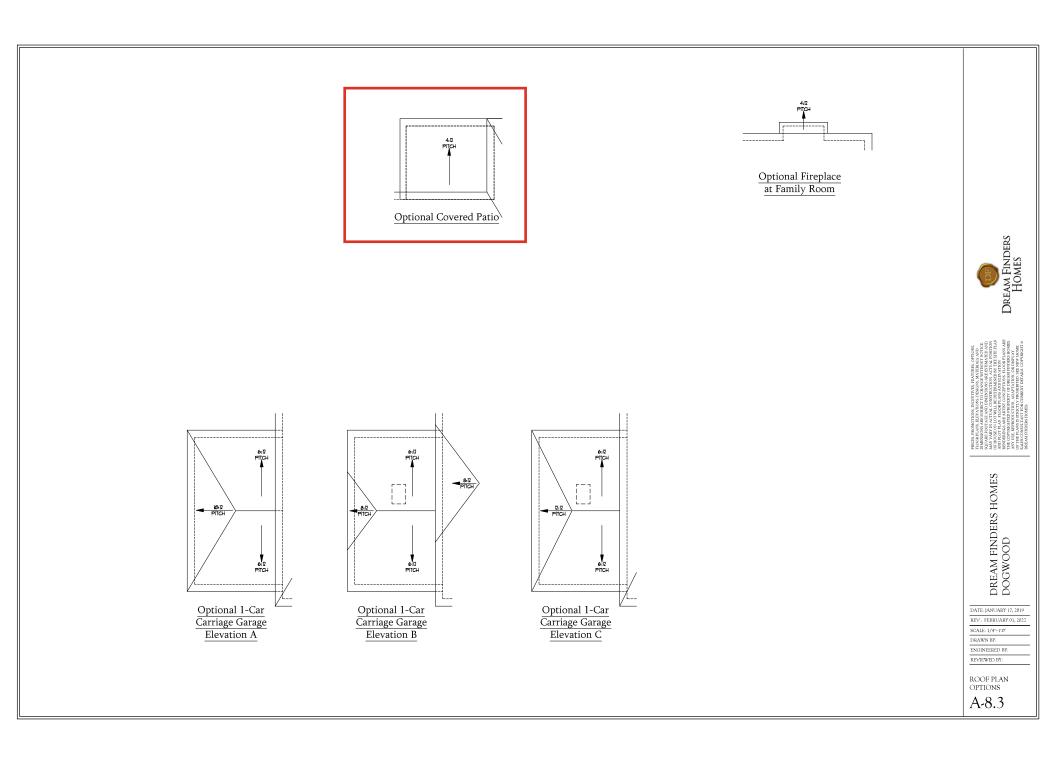


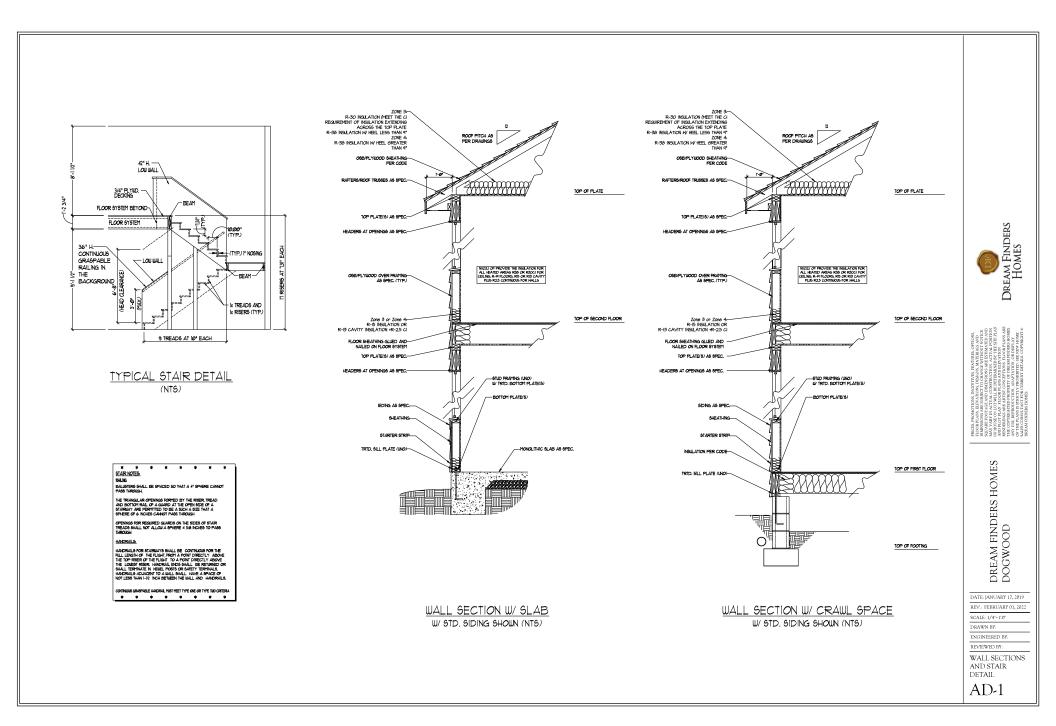












ELECTRICAL LEGEND

- \Rightarrow 120V OUTLET
- = 120V GFI OUTLET
- 120V SWITCHED OUTLET
- \rightarrow
- 4-PLEX **⊕**
- \bigcirc FLOOR MOUNTED 120V
- FLOOR MOUNTED 120V GFI
- WEATHERPROOF ۵
- 220V OUTLET \oplus
- Ø 120V DEDICATED CIRCUIT
- Ħ 220V DEDICATED CIRCUIT
- SPECIAL PURPOSE (240 V, ETC.) Ð
- WALL MOUNT LIGHT
- ------CEILING MOUNT LIGHT
- -(P)-PENDANT LIGHT
- \bigcirc RECESSED CAN LIGHT
- $\overline{\mathbf{Q}}$ MINI CAN LIGHT
- EYEBALL LIGHT
- **FLUORESCENT LIGHT**
- UNDERCABINET LIGHT
- ЧŤ FLOOD LIGHT
- SWITCH \$ ³ 3-WAY SWITCH
- \$ 4-WAY SWITCH
- DIMMER SWITCH
- \mathbb{W} TELEPHONE
- TV-TV CONNECTION
- CD-CONDUIT FOR COMPONENT WIRING
- SP SPEAKER
- COMBO SMOKE/ CARBON MONOXIDE DETECTOR SDC0
- SD 110 V SMOKE DETECTOR
- EXHAUST FAN
- LOW VOLTAGE PANEL

CEILING FAN

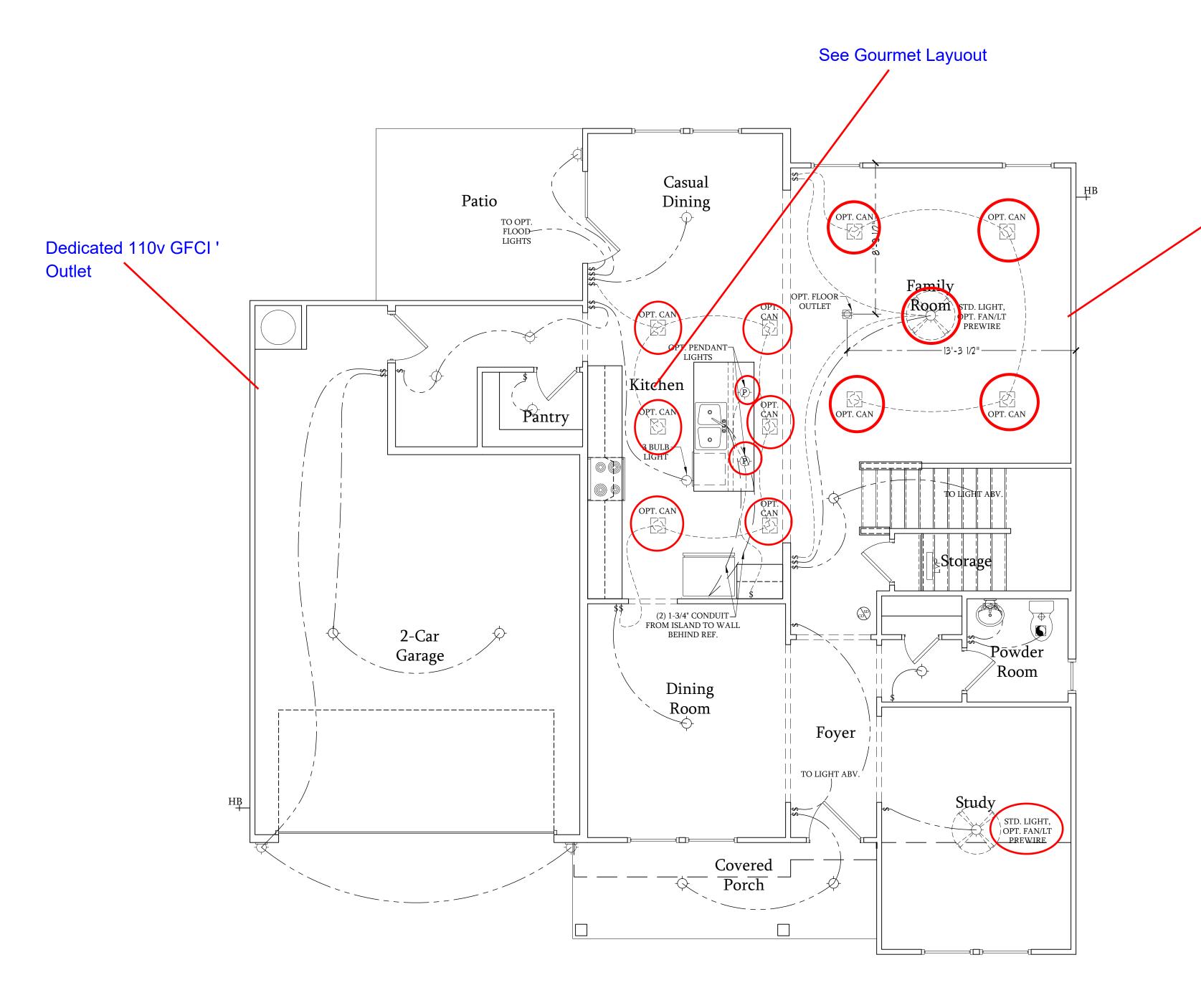
CEILING FAN W/ LIGHT

ELECTRICAL NOTES:

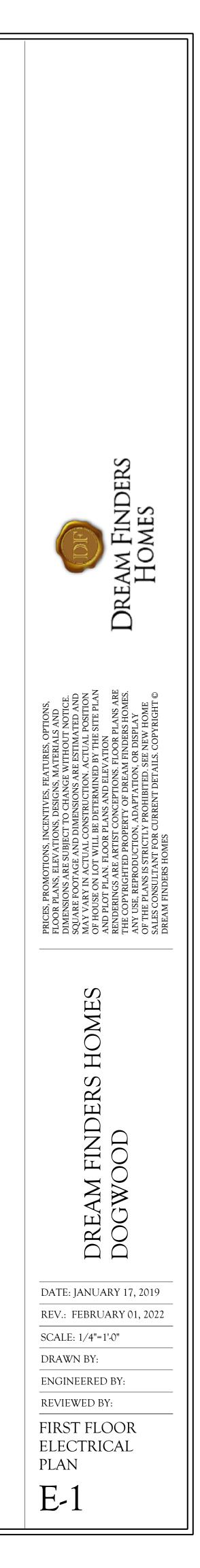
- . PROVIDE AND INSTALL <u>GROUND FAULT</u> <u>CIRCUIT-INTERRUPTERS</u> (G.F.I.) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND 5 BELOW INDICATES.
- . UNLESS OTHERWISE INDICATED, INSTALL SWITCHES AND RECEPTACLES AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR: SWITCHES. . . . 42" OUTLETS. 14" TELEPHONE. . . 14" (UNLESS ABV

COUNTERTOP) TELEVISION. . .14"

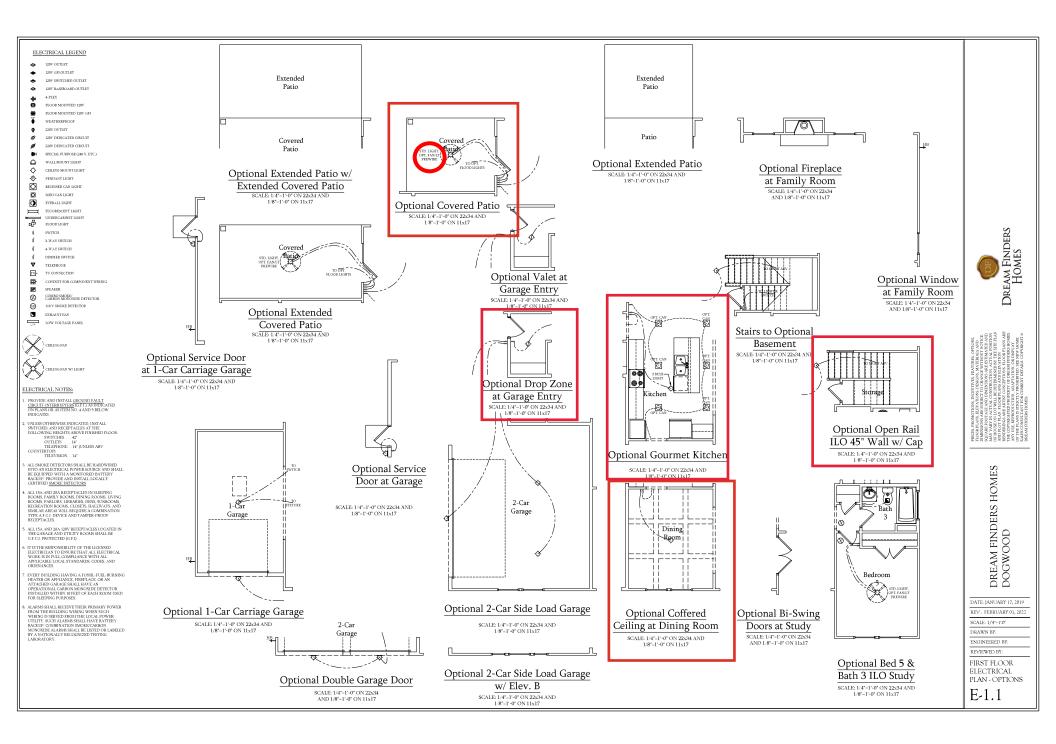
- 3. ALL SMOKE DETECTORS SHALL BE HARDWIRED INTO AN ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS.
- 4. ALL 15A AND 20A RECEPTACLES IN SLEEPING ROOMS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, AND SIMILAR AREAS WILL REQUIRE A COMBINATION TYPE A.F.C.I. DEVICE AND TAMPER-PROOF RECEPTACLES.
- 5. ALL 15A AND 20A 120V RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE G.F.C.I. PROTECTED (G.F.I).
- 5. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL WORK IS IN FULL COMPLIANCE WITH ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.
- . EVERY BUILDING HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, FIREPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOXIDE DETECTOR INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PURPOSES.
- 3. ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHEN SUCH WIRING IS SERVED FROM THE LOCAL POWER UTILITY. SUCH ALARMS SHALL HAVE BATTERY BACKUP. COMBINATION SMOKE/CARBON MONOXIDE ALARMS SHALL BE LISTED OR LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

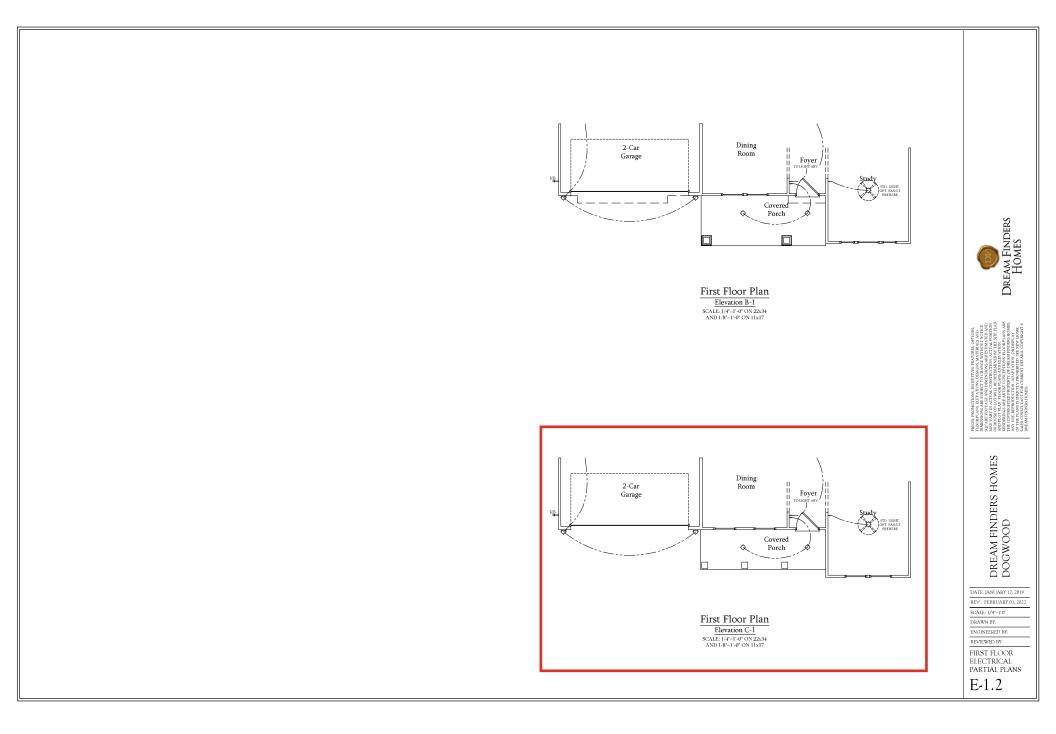


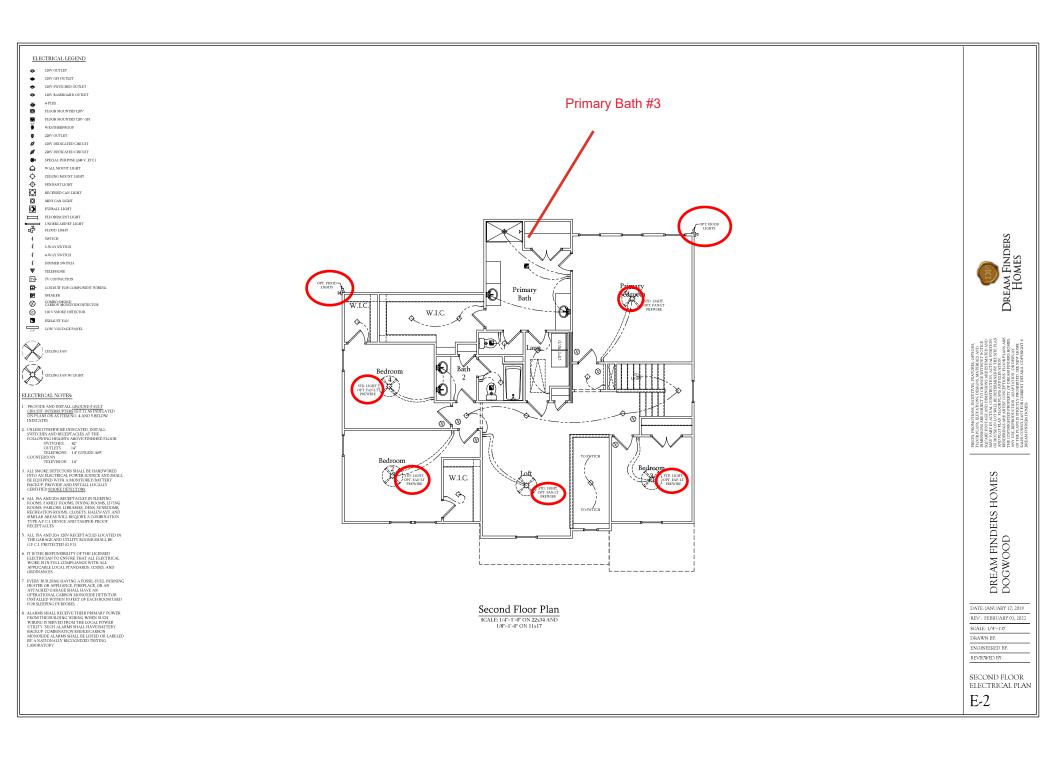
First Floor Plan SCALE: 1/4"=1'-0" ON 22x34 AND 1/8"=1'-0" ON 11x17

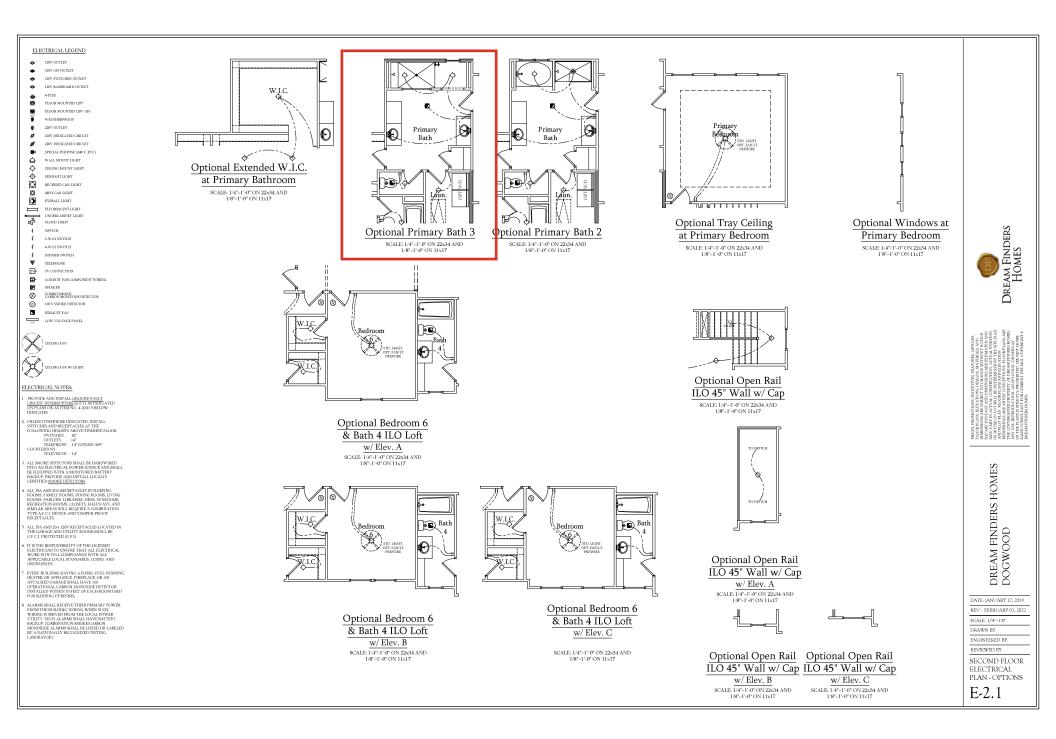


110v Outlet @ 65" (w/ LV Connections)











(215) 804-4449

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DOGWOOD LH

NORTH CAROLINA

THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH AND COORDINATED WITH THE ARCHITECTURAL, CML, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. THIS COORDINATION IS NOT THE RESPONSIBILITY OF THE STRUCTURAL, ENGINEER OF RECORD (SER.) SAUDLD ANY DISCEPANOEIGS BECOME APPARENT. THE CONTRACTOR SHALL NOTIFY KSE ENGINEERING, P.C. BEFORE CONSTRUCTION BEGINS. IT IS THE INTENT OF THE EXPIRATE. THE CONTRACTOR SHALL NOTIFY KSE ENGINEERING, P.C. BEFORE CONSTRUCTION BEGINS. IT IS THE INTENT OF THE EXPIRE. THAT THESE DOCUMENTS BE ACCURATE, PROVIDING LUCENSED PROFESSIONALS CLEAR INFORMATION. DVERY ATTEMPT HAS BEEN MODE TO PREVENT ERROR. THE BUILDER AND ALL SUBCONTRACTORS ARE REQUIRED TO REVIEW ALL OF THE INFORMATION CONTRACTOR DOCUMENTS PRIOR TO THE COMMENCEMENT OF ANY WORK. THE ENGINEER IS NOT RESPONSIBLE FOR ANY PLAN ERRORS, OMISSIONS, OR MISINTERPRETATIONS UNDERTECTED 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)

- INON 20 F31 (LOND DOMINION FACIONALIZATION FACIONALIZATION FACIONALIZATION FACIONALIZATION PLANS)
 HABITABLE ATTICS NON ATTICS SERVED WITH FIXED STARS = 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

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 = Up to 130 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: $\begin{array}{l} \text{Hence Index} \ \text{Descent product for the following periods}\\ \text{List} = 10 \text{ Settes} \ (\text{Settes} \text{ snD SPACING PER PLANS})\\ \text{LSL: } = 1,550,000 \ \text{PSI}, \ F_{\text{p}}=2,325 \ \text{PSI}, \ F_{\text{p}}=310 \ \text{PSI}, \ F_{\text{p}}=900 \ \text{PSI}, \\ \text{LVL: } = 2,000,000 \ \text{PSI}, \ F_{\text{p}}=2,600 \ \text{PSI}, \ F_{\text{p}}=285 \ \text{PSI}, \ F_{\text{p}}=750 \ \text{PSI}, \\ \text{PSL: } = 2,100,000 \ \text{PSI}, \ F_{\text{p}}=2,900 \ \text{PSI}, \ F_{\text{p}}=290 \ \text{PSI}, \ F_{\text{p}}=625 \ \text{PSI}, \ F_{\text{p$

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.





 \exists 130 M.P.H. Division Dogwood Model Sheet Carolina Cover ę , d

Project #: 105-16007

@ 11x17 1/4"=1'-0" @ 22x34 S-0

Checked By: Issue Date: 4/9/19 Re-Issue: 10/10/22 Scale: 1/8*=1'-0" @



- GENERAL STRUCTURAL NOTES: 1. THE DESIGN PROFESSIONAL WHOSE SEAL APPEARS ON THESE DRAWINGS IS THE STRUCTURAL ENGINEER OF RECORD (SER) FOR DRAWINGS IS THE STRUCTURE ENVIREMENT OF RECORD (SERV) FORMARY THIS PROJECT. THE SER BEARS THE RESPONSIBILITY OF THE PRIMARY STRUCTURAL ELEMENTS AND THE PERFORMANCE OF THIS STRUCTURAL NO OTHER PARTY MAY REVISE, ALTER, OR DELETE ANY STRUCTURAL ASPECTS OF THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN ASPECISION THESE CONSTRUCTION DOCUMENTS MITHOUT WRITTEN CONSENT OF KES ENONEENING, P.C. OR THE SER, FOR THE PURPOSES OF THESE CONSTRUCTION DOCUMENTS, THE SER AND KSE ENONEENING SHALL BE CONSIDERED THE SAME ENTITY. THE STRUCTURE IS ONLY STABLE IN IT'S COMPLETED FORM, THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY BRACKING
- DURING CONSTRUCTION TO STABILIZE THE STRUCTURE
- DURING CONSTRUCTION TO STABILIZE THE STRUCTURE. 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 GOLTRACIO CHURCH TRADENDED TO THE SEPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CONFORM TO THE CONTRACT
- THE CONTRACTOR'S FALURE TO CONFORM TO THE CONTRACT DOCUMENTS, POULD ANY NON-CONFORMITES OCCUR. THE SER DOES NOT CERTIFY DIMENSIONAL, ACCURACY OR ARCHITECTURAL LAYOUT INCLUMIONS ROOF CONCENTRY. THE SER ASSUMES NO LUBBLITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVATION FROM THE PLANS. THE SER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION FRAVINGS SHALE NOTIFIED ON THE FLANS. ANY STRUCTURAL ELEVENTS OR DETAILS NOT FULLY DEVLOPED ON THE CONSTRUCTION DRAWINGS SHALE BY COMPLETED UNDER THE DIRECTION OF A UCENSED PROFESSIONAL ENGINEER. THESE SHOP DRAWINGS SHALL BE SUBMITED TO KSF FINITERING FOR REVIEW
- 5. 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. 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 ENCINEERING, P.C. BEFORE CONSTRUCTION BEGINS. 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. 9. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE
- OVER SCALED DIMENSIONS ALL DIMENSIONS ARE TO EACE OF STUD OR TO FACE OF FRAMING LINLESS OTHERWISE NOTED 10. PROVIDE MOISTURE PROTECTION AND FLASHING PER ARCHITECTURAL

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 BE AS SPECIFIED IN THE BUILDING CODE.
- 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.
- THE BOTTOM OF ALL FOOTINGS SHALL EXTEND BELOW THE FROST 5. 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 SACH 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 & MAXIMUM OF 6'-0" O.C. INSTALL MINIMUM 2 ANCHOR BOLTS PER SECTION, 12" MAYIMUM FROM CORNERS 1/2" DIAMETER x 8" LONG SIMPSON TITEN HD 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%
- 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
- 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
- FOUNDATION WALLS. THE OFFOLE SYNCE FALL A MINIMUM OF 6 INVERSI WITHIN THE FIRST TEN FEEL CRAWL SPACE TO BE GRADED LEVEL AND CLEAR OF ALL DEBRIS. PROVIDE MINIMUM 16 MIL APPROVED VAPOR BARRIER, ALL JOINTS TO BE LAPPED MINIMUM 12[°] AND SEALED.

CONCRETE & REINFORCING

- Concerte design based on ACI 318 and ACI 318.1 or ACI 332. Concerte 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"
- 3. AR 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 CONCRETE SLABS-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'-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 ORNERS
- 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 VARD OF CONCRETE SHALL BE PER MANUFACTURER AND COMPLY WIT 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.
- TO ASIM 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
- #5 BARS 38 LENGTH #6 BARS 45" LENGTH WHERE REINFORCING DOWELS ARE REQUIRED, THEY SHALL BE EQUIVALENT IN SIZE AND SPACING TO THE VERTICAL REINFORCEMENT.
- THE DOWEL SHALL EXTEND 48 BAR DIAMETERS 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. 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 THE OR BRICK SHALL BE LISED TO SUPPORT REINFORCING 11. FOR GRADE SUPPORTS SLABS, SLAB REINFORCING, SHALL BE HELD IN PLACE BY BAR 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.

MASONRY

16.

- ALL MASONRY SHALL CONFORM TO ASTM C-90. Fm=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
- 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 530.17 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
- 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 CONVDITION FOUNDATION WALL. TOP COURSE OF MASONRY SHALL BE GROUTED SOLD
- 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 USTED IN THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" (NDS) LINEESS THERWISE 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): 2 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
- RETTER ANCHOR SILL PLATES IN ACCORDANCE W/ GENERAL STRUCTURAL NOTES.
- ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY BE SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. 5.
- 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 NOS SPECIFICATIONS.
- 8
- INDIVIDUAL STUDS FORMING A COLUMN SHALL BE ATTACHED WITH (2) 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 FACH 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 REAMS WITH (1) 1 DIAMETER THROUGH BOLT W/ NUTS
- AND WASHERS AT 12" O.C. STAGGERED TOP AND BOTTOM, 1/2" MINIMUM EDGE DISTANCE, (UNLESS OTHERWISE NOTED)
- All begans 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
- STUDS UP TO 9' OPENING
- 13. ALL BEAMS TO BE CONTINUOUSLY SUPPORTED LATERALLY AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLLIMNS INDICATED 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. 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
- ANY WOOD FRAME INTERIOR BEARING WALL STUDS THAT HAVE HOLES IN THE CENTER OF THE STUD UP TO 1" DUMETER SHALL HAVE STUD PROTECTION SHIELDS, ALL HOLES OVER 1" IN DIAMETER FOR PLUMBING
- PROTECTION SHIELDS. ALL HOLES OVER 1[®] IN DWAFTER FOR PLUMBING LINIS, ECT. SHALL BE REPARED WITH SMYGEN NESS OR USP STST STUD SHOES, TYPICAL, UNLESS OTHERWISE NOTED. B EDARING WALLS SHALL BE SHATTENDE ON NOT ELSS THAN DO SE OR CYPISUM BOARD, BRIDGING SHALL BE INSTALLED NOT ORFAITE THAN 4 FEET APART MESSARED VERTOLLUT FROM EITHER END OF THE STUD IN LEUD OF SHEATHING. D MADOWL BRACKING 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, PRESERVATIVE TREATED WOOD FRAMING TO BE SOUTHERN YELLOW 2. PINE #2 OR BETTER.
- GUARD RAILS REQUIRED AT DECKS, DESIGN BY OTHERS TO MEET 3
- MINIMUM CODE REQUIREMENTS. PROVIDE DECK LATERAL LOAD AND BRACING CONNECTIONS PER BUILDING CODE.

RAFTER FRAMED ROOF CONSTRUCTION:

- 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 AS SHOWN ON THE PLAN, PORLIN 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
- 3. BRACING ON TOP EDGE OF JOIST AT LOOSE JOIST ENDS (WHERE JOISTS NOT FASTENED TO RAFTERS) OR FULL DEPTH BLOCKING. EASTEN 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" 5 PICTURE 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 NAUS, FASTEN STRONGBACK TO 2x4 FLAT WITH 12d NAUS @ 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 PULLIVATION. THE SET STRUE PAYE A MINIMUM OF (3) DATS 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 TRUESCE FOR THE WOOD TRUSSES.

STRUCTURAL FIBERBOARD PANELS

NOTES IN PLAN SET FOR MORE INFORMATION

RECOMMENDED IN ACCORDANCE WITH THE AFA.

STRUCTURAL STEEL: 1. 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

2

3.

2.

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STANDARDS

MECHANICAL FASTENERS:

ACCORDANCE WITH ASTM & 153 G-185

APPLICABLE CORROSIVE CHEMICALS.

LEGEND:

17298

(A)

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SPAN

UP TO 3'-0

UP TO 6'-3'

UP TO 9'-6*

STRUCTURAL FIDE/IND/AND FAIVELS. STRUCTURAL FIBERBOARD SHEATHING SHALL ONLY BE USED WHERE SPECIFICALLY NOTED ON THE STRUCTURAL FIDERBOARD FABRICATION AND PLACEMENT OF STRUCTURAL FIDERBOARD

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

SHEATHING SHALL HAVE A 1/8" GAP AT PANEL ENDS AND EDGES AS

CONSTRUCTION "LOAD RESISTANCE FACTOR DESIGN" LATEST EDITIONS.

MINIMUM BEARING LENGTH OF 3/2" AND FULL FLANGE WIDTH UNLESS OTHERWISE NOTED. BEAMS MUST BE ATTACHED AT EACH END WITH

A MINIMUM OF FOUR 16d NAILS OR (2) ½" x 4" LAG SCREWS

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"

ALL METAL HARDWARE AND FASTENERS TO BE SIMPSON STRONG-TIE OR APPROVED EQUIVALINT. ALL HARDWARE AND FASTENERS IN CONTACT WITH PRESERVATIVE DEFENSION FOR THE ADD FASTENERS IN CONTACT WITH PRESERVATIVE

PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED IN

PROVIDE SOLID BLOCKING

MATCH POST SIZE ABOVE

WITHIN FLOOR SYSTEM TO

 $\equiv \equiv \equiv \implies$ interior bearing wall above

SEE HOLD DOWN

SCHEDULE AND DETAILS

BRICK VENEER LINTEL SCHEDULE

LINTEL SIZE

35"x35"x4

5"x3%"x%s" L.L.V

6"x3%"x%s" L.L.V.

LINTELS ARE NOT DESIGNED TO BE BOLTED TO HEADERS UNLESS SPECIFIED ON UNIT PLANS. SPANS OVER 4'-0" SHALL BE SHORED UP UNTIL CURED.

FOR TYPICAL INSTALLATION

∞∞∞∞∞∞∞ → WALL BRACING/SHEAR WALL

MANY OF THE NEW PRESSURE TREATED WOODS USE CHEMICALS THAT ARE CORROSIVE TO STEEL. IT IS THE CONTRACTOR'S

RESPONSIBILITY TO VERIEY THE TYPE OF WOOD TREATMENT AND

SELECT APPROPRIATE CONNECTORS THAT WILL RESIST TH

ALL STEEL SHALL HAVE A MINIMUM YIELD STRESS (Fx) OF 50 KSI UNLESS OTHERWISE NOTED. WELDING SHALL CONFORM TO THE LATEST EDITION OF THE

AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE AWA AMERICARY MELDING SOCIET'S SINGOTORIAL MELDING CODE ANA DII. ELECTRODES FOR SHOP AND FELDING 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

SHEATHING SHALL BE IN ACCORDANCE WITH THE APPLICABLE AFA

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Project #: 105-19000

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

Designed By:KRK

Scale: 1/8"=1'

Issue Date: 1/1/19

Checked By:

Carolina

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- THE WOOD TRUSSES. THE WOOD TRUSSES SHALL BE DESIGNED FOR ALL REQUIRED LOADINGS 2 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 FOLIPMENT PIPING AND ARCHITECTURAL FIXTURES ATTACHED TO THE TRUSSES
- THE TRUSSES SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/TPI 1: "NATI 3. "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS 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 BE SHOWN ON 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 TH 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
- THE CONTINUE OF IS RESPONSIBLE FOR INSTALLING ALL PERMANENT TRUSS BRACING SHOWN IN THE STRUCTURAL DRAWINGS AND IN THE TRUSS DESIGNS, ALL CONTINUOUS LATERAL BRACING OF WEBS RECOURES BRACES, REFER TO BCS SUMMARY SHEET BAF OR TYPES OF DAGONAL 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 LATERA 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
- ANY CHORDS OR TRUSS WERS SHOWN ON THESE DRAWINGS HAVE REEN. SHOWN AS A REFERENCE ONLY. THE FINAL DESIGN OF THE TRUSSES SHALL BE PER THE MANUFACTURER.
- 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. TRUSS MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTORS FOR ALL TRUSSES
- PROVIDE SIMPSON H2.5A, USP RT7 OR EQUIVALENT AT EACH TRUSS TO TOP PLATE CONNECTION, UNLESS OTHERWISE NOTED.

GUIDE "RESIDENTIAL AND COMMERCIAL," AND ALL OTHER APPLICABLE

REQUIRED WOOD SHEATHING SHALL BEAR THE MARK OF THE

APA. 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

LISING 74." OSB OR PLYWOOD MINIMUM AT BRACED WALL PANELS

PROVIDE BLOCKING AT ALL SHEET EDGES NOT FALLING ON STUDS

MINIMUM AND ATTACHED TO ITS SUPPORTING ROOF FRAMING WITH

BE APPLIED WITH THE LONG DIRECTION PERPENDICULAR TO ERAMING

BE APPLIED WITH THE LONG DIRECTION PERPENDICULAR TO FRAMIN 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

FRAMING WITH (1) 10d NAIL AT 6" 0.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 SHAN RATING CONSISTENT WITH THE FRAMING SPACING, PROVIDE SUITABLE EDGE SUPPORT BY USE OF TAG PLYWOOD OR LUMBER BLOCKING UNLESS OTHERWISE NOTED. PANEL END JOINTS SHALL OCCUR OVER FRAMING.

SHEATHING SHALL HAVE A 1/4" GAP AT PANEL ENDS AND EDGES AS

RECOMMENDED IN ACCORDANCE WITH THE APA.

SHEATHING SHALL HAVE A SPAN RATING CONSISTENT WITH THE

TO BE 2/6 OSB MINIMUM. WOOD FLOOR SHEATHING SHALL BE APA RATED SHEATHING EXPOSURE 1 OR 2. ATTACH SHEATHING TO ITS SUPPORTING

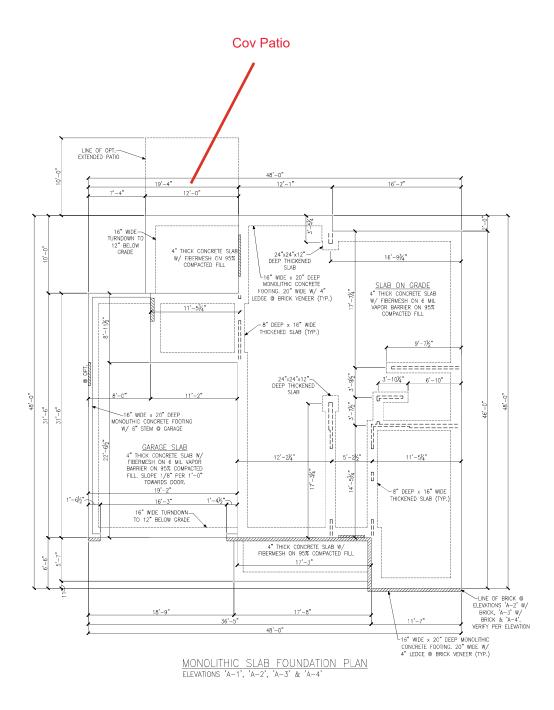
OR PLATES. ROOF SHEATHING SHALL BE APA RATED SHEATHING EXPOSURE 1 OR 2. ROOF SHEATHING SHALL BE CONTINUOUS OVER TWO SUPPORTS

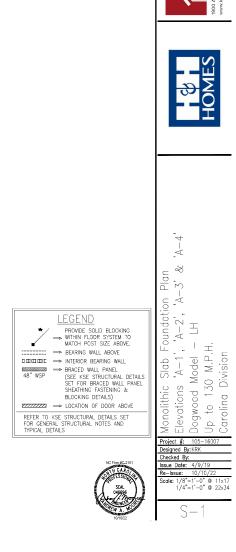
WOOD STRUCTURAL PANELS: 1. FABRICATION AND PLACEMENT OF STRUCTURAL WOOD SHEATHING SHALL BE IN ACCORDANCE WITH THE APA DESIGN/CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APA DESIGN/CONSTRUCTION

APA STANDARDS

3

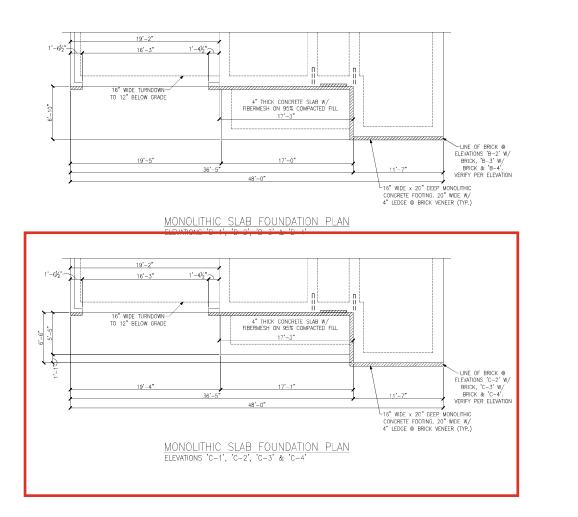
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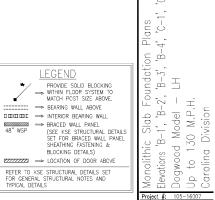




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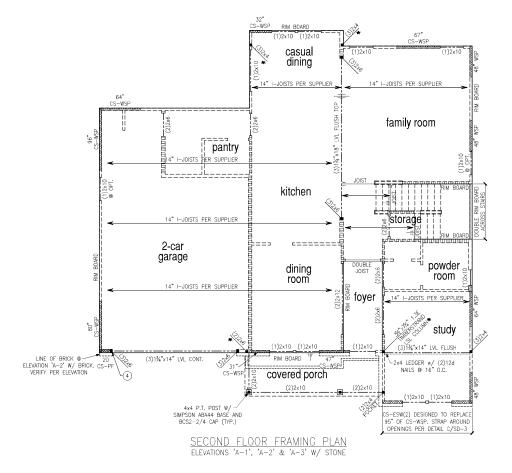


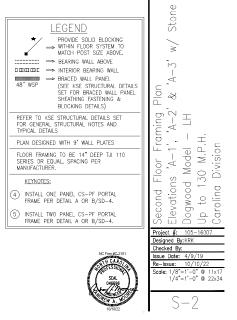
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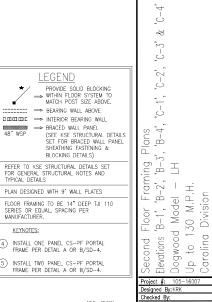












LEGEND

========== ⇒ BEARING WALL ABOVE

PLAN DESIGNED WITH 9' WALL PLATES

(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.

 \Rightarrow braced wall panel

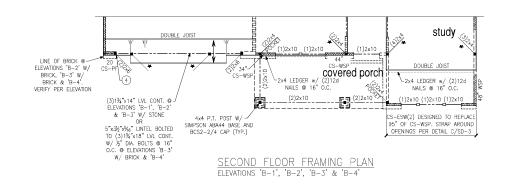
BLOCKING DETAILS)

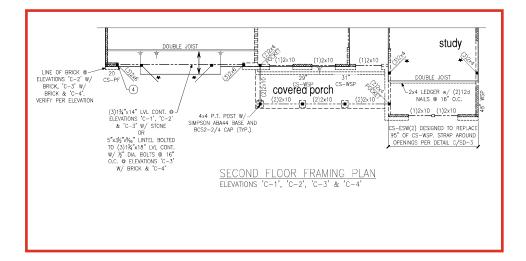
48" WSP

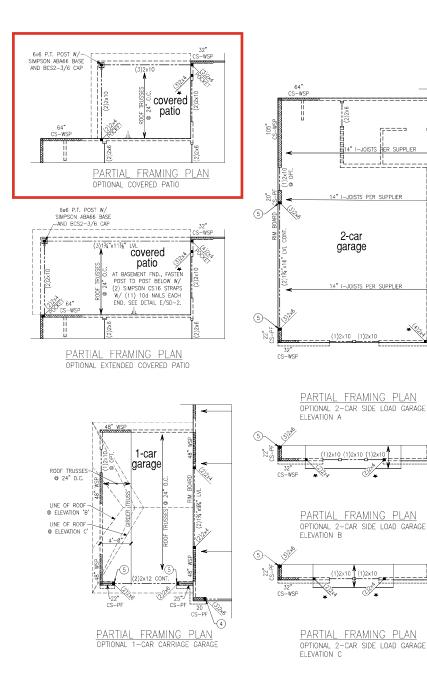
KEYNOTES:

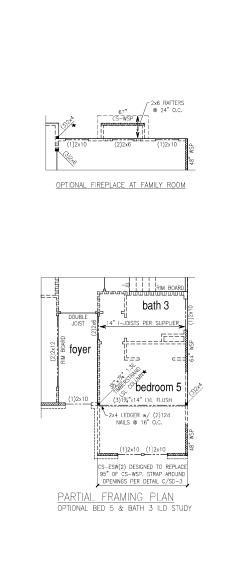


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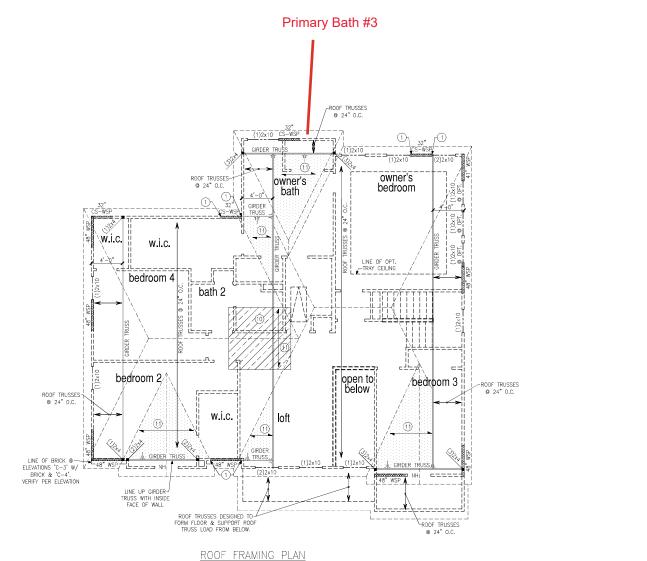
(1)2x10

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LEGEND PROVIDE SOLID ELOCKING → WTHIN FLOOR SYSTEM TO → WTHIN FLOOR SYSTEM TO → WTHIN FLOOR SYSTEM TO → BEARING WALL ABOVE IIIIIIIIII → NITEROR BEARING WALL GSF KES STRUCTURAL DETAILS SET FOR BRACED WALL PANEL GSF KES STRUCTURAL DETAILS SET FOR BRACED WALL PANEL SET FOR BRACED WALL PANEL	Plans
BLOCKING DETAILS) REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS	Framing P II – LH P.H. Dn
PLAN DESIGNED WITH 9' WALL PLATES	DE LEC
FLOOR FRAMING TO BE 14" DEEP TJI 110 SERIES OR EQUAL, SPACING PER MANUFACTURER.	Floor F Model 30 M.P Divisio
KETNOTES: 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.	Second Floor Fra Options Dogwood Model - Up to 130 M.P.H Carolina Division
	Project #: 105-16007 Designed By:KRK Checked By: Issue Date: 4/9/19 Re-Issue: 10/10/22 Scole: 1/8"=1"-0" @ 11x17 1/4"=1"-0" @ 22x34 S-2.3



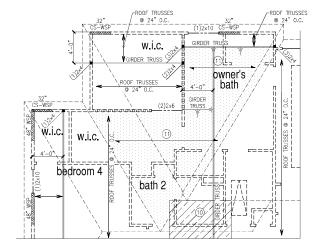
ELEVATIONS 'C-1', 'C-2', 'C-3' & 'C-4'

LEGEND PROVIDE SOLID BLOCKING WITHIN FLOOR SYSTEM TO MATCH POST SIZE ABOVE. , 4 Ó \implies bearing wall above IIIIIII → INTERIOR BEARING WALL \approx 48" WSP \implies braced wall panel (SEE KSE STRUCTURAL DETAILS SET FOR BRACED WALL PANEL SHEATHING FASTENING & BLOCKING DETAILS) Ň ပ် REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS ίς. E $^{\rm -}_{\rm O}$ PLAN DESIGNED WITH 8' WALL PLATES Plan KEYNOTES: ~ 130 M.P.H Model CONNECT STUD AT END OF BRACED
 WALL PANEL TO FRAMING BELOW WITH A
 30" LONG SIMPSON CS22 COIL STRAP Carolina Division ~ Framing WITH MIN 8-10d NAILS EACH END. Elevations Dogwood levations (10) 8'x8' HVAC PLATFORM TRUSSES DESIGNED TO SUPPORT HVAC UNITS. 9 (1) 2x6 OVERFRAMING W/ 2x8 RIDGE AND WALLEY PLATES OR VALLEY SET TRUSSES @ 24" O.C. (TYP.) Roof dN Project #: 105-16007 Designed By: KRK Checked By: Issue Date: 4/9/19 Re-Issue: 10/10/22 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34 S-3.4









-ROOF TRUSSES @ 24" 0.C.

32"

ROOF TRUSSES-@ 24" 0.C. 4'-0"

GIRDER TRUSS

GIRDER TRUSS

c=⊐(U)

owner's

bath

ROOF FRAMING PLAN

OPTIONAL OWNER'S BATH 3 ELEVATION A

ΔÚ

-ROOF TRUSSES @ 24" 0.C.

32"

CS-WSP

- **- -** -

ROOF TRUSSES-@ 24" 0.C. 20020

4'-0"

GIRDER TRUSS

GIRDER TRUSS

____)

owner's

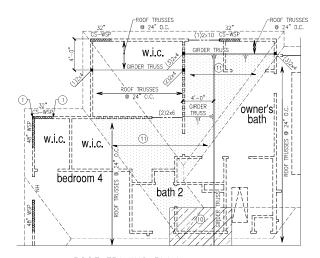
bath

ROOF FRAMING PLAN

OPTIONAL OWNER'S BATH 3 ELEVATION B

ЪĽ

<u>ROOF FRAMING PLAN</u> OPTIONAL EXTENDED W.I.C. AT OWNER'S BATHROOM ELEVATION A



CS-WSP

4'-0

GIRDER TRUSS

ROOF TRUSSES-@ 24" O.C. 88888

GIRDER TRUSS

c==(1)

owner's

bath

ROOF FRAMING PLAN

OPTIONAL OWNER'S BATH 3 ELEVATION C

aL/

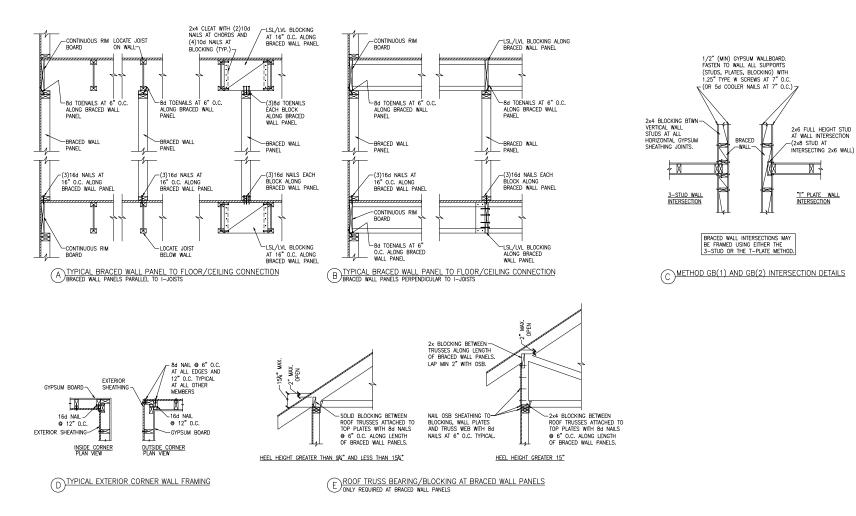
-ROOF TRUSSES @ 24" 0.C.

ROOF FRAMING PLAN OPTIONAL EXTENDED W.I.C. AT OWNER'S BATHROOM ELEVATION B

LELSELIVE PROVIDE SOLD ELOCKING → WITHIN FLOOR SYSTEM TO MATCH POST SIZE ABOVE. SUTHIN FLOOR SYSTEM TO MATCH POST SIZE ABOVE. IDITITIT → INTERIOR BEARING WALL ABOVE IDITITITIT → INTERIOR BEARING WALL ABOVE SERACED WALL PANEL SHEATHING FASTENING & BLOCKING DETAILS	
REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS	ц
PLAN DESIGNED WITH 8' WALL PLATES	l s –
KEYNOTES: CONNECT STUD AT END OF BRACED WALL PANEL TO FRAMING BELOW WITH A 30° LONG SIMPSON C322 COL STRAP WITH MIN 8-101 MALS EACH END. (1) 8°/8° HVAC PLATFORM TRUSSES DESIGNED TO SUPPORT HVAC UNITS. (1) 2% OVERFRAMING W/ 2% RIDGE AND VALLEY PLATES OR VALLEY SET TRUSSES © 24° O.C. (TYP.)	Roof Framing Plans Options Dogwood Model – L Up to 130 M.P.H. Carolina Division
NC Film Microsoft	Project ∯: 105-16007 Designed By:KRK Checked By: Issue Date: 4/9/19 Re-Issue: 10/10/22 Scale: 1/8":1"-0" 1/4"=1"-0" 22x34

LEGEND

S-3.5







X Y

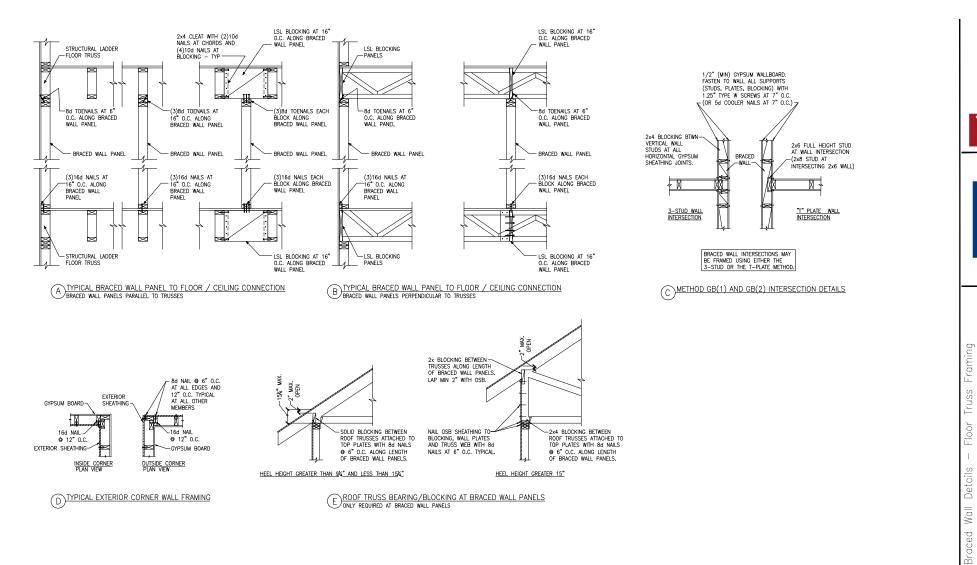
Details 130 M.P.H. Carolina Wall Braced ę Up to North

Project #:

SD

105-19000





ENGINEERING E. SUITE 201, QUAKERTOWN, PA 18951 com (215) 804-4449

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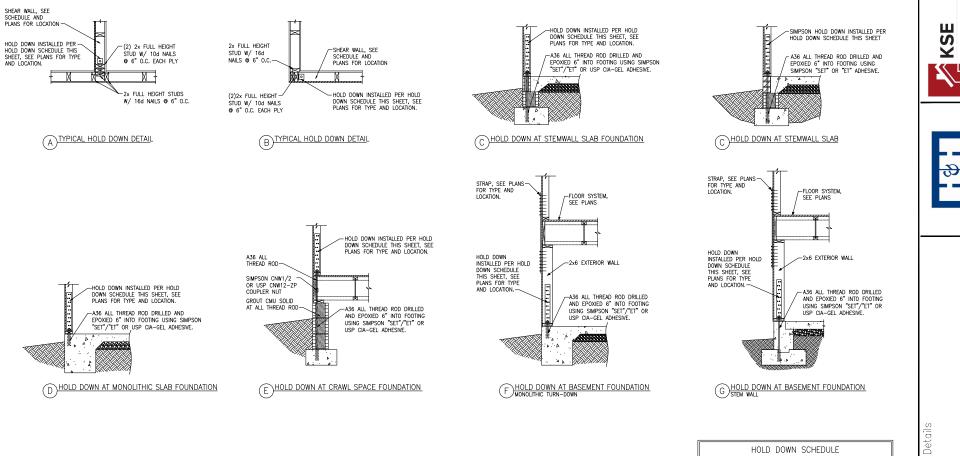
130 M.P.H. Carolina þ Up to North

105-19000

Project #: Designed By:KRK Checked By: Issue Date: 1/1/19 Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

SD

SEAL 046096



HOLD DOWN SCHEDULE					
HOLD DOWN SIMPSON USP		ALL THREAD ROD	FASTENERS		
LTTP2	N.A.	½" DIA.	(12)0.148"x2½" LONG NAILS		
HTT4	HTT16	%" DIA.	(18)0.148"x2½" LONG NAILS		
HTT5	HTT45	%" DIA.	(26)0.148"x2½" LONG NAILS		

ENGINEERING E. SUITE 201, QUAKERTOWN, PA 18951 com (215) 804-1449

130 M.P.H. Carolina ę

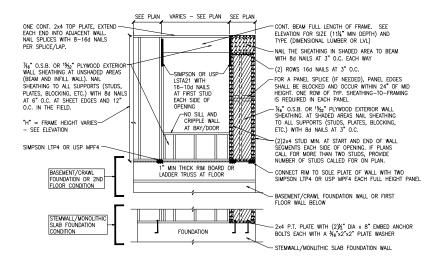
Down

SEAL 046096

Up to North Hold 105-19000 Project #: Designed By:KRK Checked By: Issue Date: 1/1/19

Re-Issue: Scale: 1/8"=1'-0" @ 11×17 1/4"=1'-0" @ 22x34

SD



A METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION ONE BRACED WALL SEGMENT

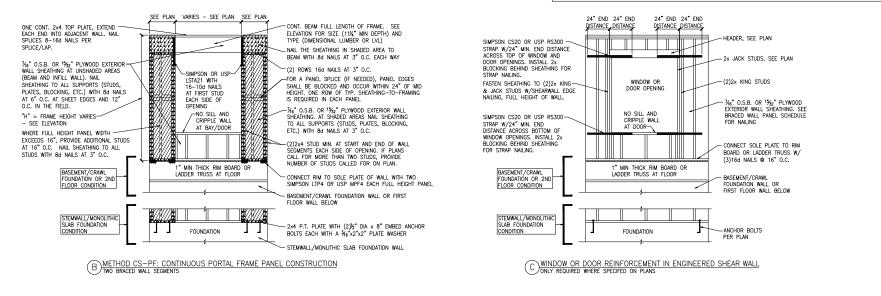
BRACED WALL PANEL AND ENGINEERED SHEAR WALL SCHEDULE			
PANEL TYPES	PANEL TYPE	MATERIAL	FASTENERS
WSP	INTERMITTENT WOOD STRUCTURAL PANEL	7/16" OSB	6D OR 8D COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. <u>ENGINEERED ALTERNATIVE: 16 GAGE BY 1.75" LONG</u> STAPLES AT 3" 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 NALS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. ENGINEERED ALTERNATIVE: 16 GAGE BY 1.75" LONG STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS
CS-PF	CONTINUOUS SHEATHED PORTAL FRAME	7/16" OSB	NAILING PER DETAIL
PFH	PORTAL FRAME WITH HOLD DOWNS	7/16" OSB	NAILING PER DETAIL
CS-ESW(1)	ENGINEERED SHEAR WALL, TYPE 1	7/16" OSB	8D COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS
CS-ESW(2)	ENGINEERED SHEAR WALL, TYPE 2	7/16" OSB	8D COMMON NAILS AT 4" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS
CS-ESW(3)	ENGINEERED SHEAR WALL, TYPE 3	7/16" OSB	8D COMMON NAILS AT 3" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS
BRACED WALL PANEL NOTES: 1. ALL BRACED WALL PANELS EXCEPT GR(1) & GR(2) SHALL HAVE 2% BLOCKING RETWEEN WALL STUDS AT ALL HORIZONTAL SHEFT FDGES			

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.







Detail Ľ Notes 130 M.P.H. Wall Braced 9

Proiect #:

Checked By:

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

Designed By:KRK

SD

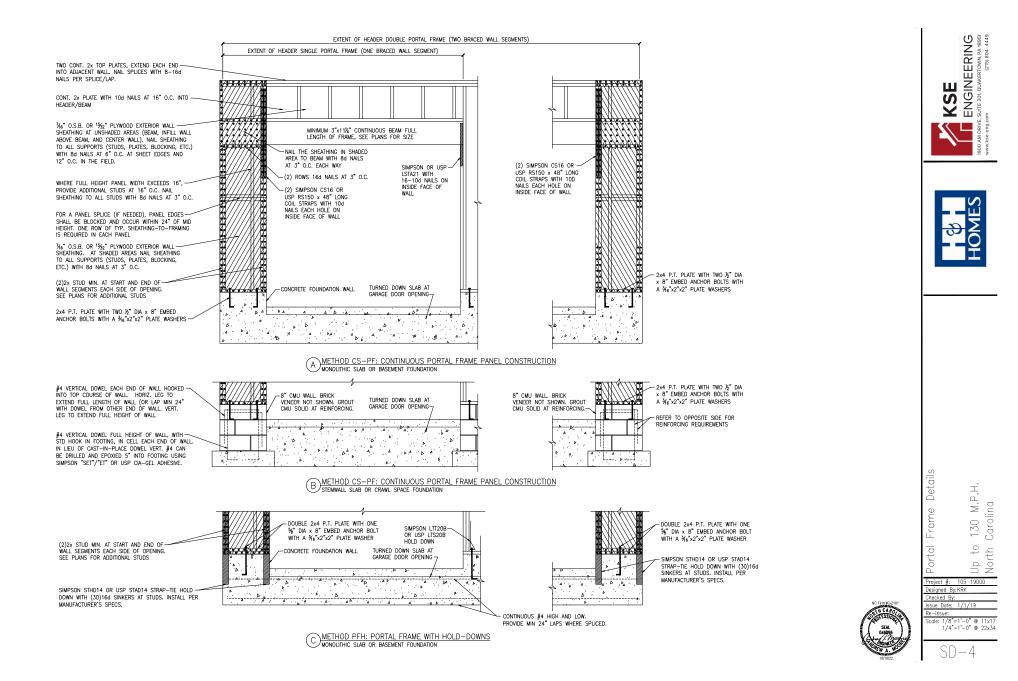
Issue Date: 1/1/19

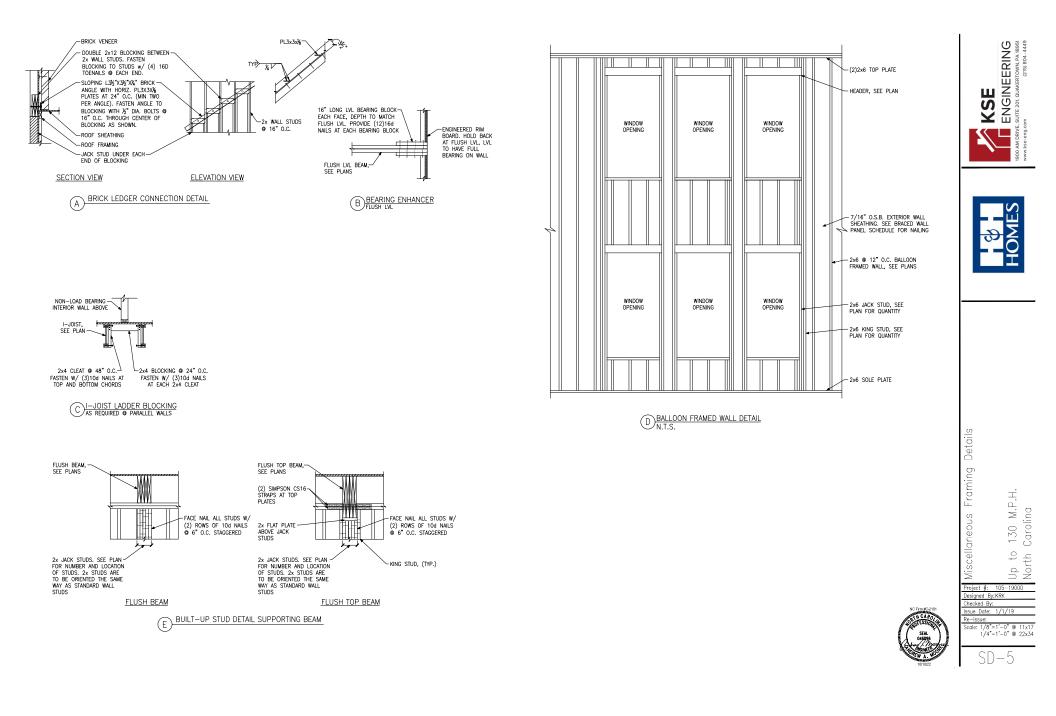
Carolina

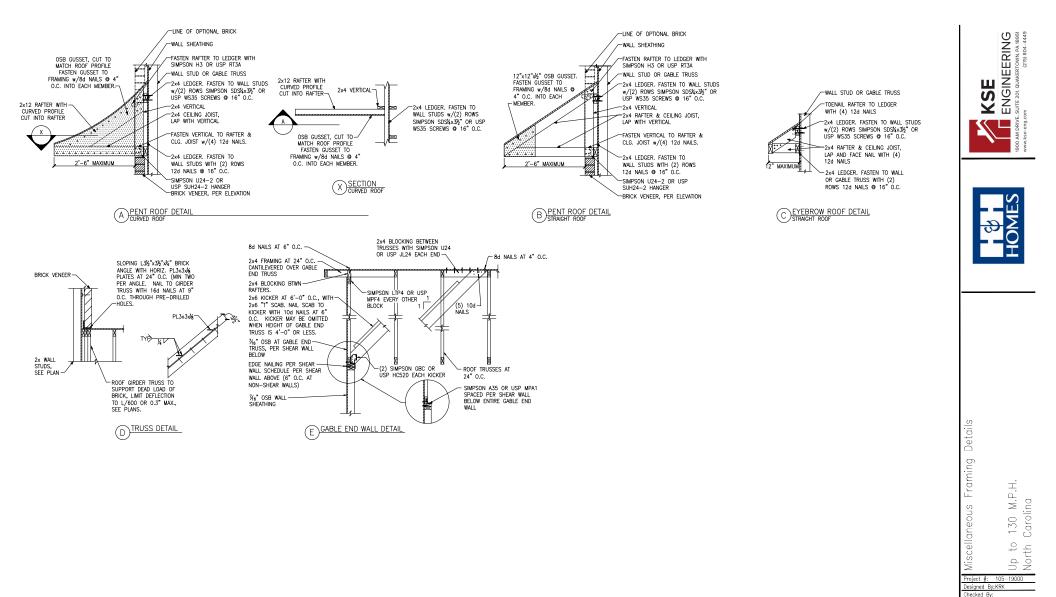
North

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105-19000









Issue Date: 1/1/19 Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

