GENERAL STRUCTURAL NOTES

GENERAL NOTES

- 1) THE INTENT OF THESE DRAWINGS IS TO SHOW ALL ITEMS NECESSARY TO COMPLETE THE STRUCTURE. FOR ITEMS, METHODS AND/OR MATERIALS NOT SHOWN. THE MINIMUM REQUIREMENTS OF THE 2018 NCRC NCBC SHALL GOVERN. ALL WORK AND CONSTRUCTION SHALL COMPLY WITH ALL OTHER APPLICABLE BUILDING CODES, SOIL REPORTS, REGULATIONS AND SAFETY REQUIREMENTS.
- 2) WHERE CONFLICTS OCCUR BETWEEN GENERAL NOTES AND SPECIICATIONS, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR CALLED FOR ON THE DRAWINGS OR SPECIFICATIONS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE CALLED FOR OR SHOWN.
- 3) THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. IT SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY TO DESIGN AND PROVIDE ADEQUATE SHORING, TEMPORARY BRACING AND FORMWORK, ETC., AS REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY. DURING THE CONSTRUCTION OF THIS BUILDING SHORING AND BRACING SHALL REMAIN IN PLACE UNTIL FLOORS, ROOF AND WALL SHEATHING HAVE BEEN ENTIRELY CONSTRUCTED. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT, ENGINEER OR CONSTRUCTION MANAGER SHALL NOT RELIEVE THE CONTRACTOR OF SUCH RESPONSIBILITY.
- 4) THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS WITH THE ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS BEFORE PREPARING SHOP DRAWINGS, FABRICATION OR CONSTRUCTION. THE ENGINEER OF RECORD DOES NOT ACCEPT RESPONSIBILITY FOR ANY DIMENSION ERRORS, ARCHITECTURAL ERRORS, DETAILING OF WATERPROOFING, PLUMBING, ELECTRICAL, MECHANICAL INFORMATION, OR CONSTRUCTION PRACTICES, OR ANY PART OF THIS PLAN NOT RELEVANT TO THE STRUCTURAL INFORMATION THEREIN.
- 5) ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER PRIOR TO START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT OR ENGINEER.
- 6) SEE DRAWINGS OTHER THAN STRUCTURAL FOR: TYPES OF FLOOR FINISH AND THEIR LOCATION, FOR DEPRESSIONS IN FLOOR SLABS, FOR OPENINGS IN WALLS AND FLOORS REQUIRED BY ARCHITECTURAL AND MECHANICAL FEATURES, FOR ROADWAY PAVING, WALKS, RAMPS, STAIRS, CURBS, ETC.
- 7) CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
- 8) HOLES AND OPENINGS THROUGH WALLS AND FLOORS FOR DUCTS, PIPING AND VENTILATION SHALL BE COORDINATED BY THE CONTRACTOR WHO SHALL VERIFY SIZES AND LOCATION OF SUCH HOLES OR OPENINGS WITH THE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND THEIR SUB-CONTRACTORS.
- 9) NO PIPES OR DUCTS SHALL BE EMBEDDED IN WALLS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE ENGINEER.
- 10) OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
- 11) DO NOT USE SCALED DIMENSIONS; USE WRITTEN DIMENSIONS. WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT AND ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- 12) LOADS APPLIED TO THE STRUCTURE DURING CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LIVE LOADS USED FOR THE DESIGN OF THE STRUCTURE ARE INDICATED IN THE GENERAL NOTES-DESIGN BASIS. DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL STRUCTURAL FRAMING IS PROPERLY INSTALLED AN ALL TEMPORARY BRACING IS IN PLACE.
- 13) SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. CONTRACTOR SHALL REVIEW, APPROVE, AND SIGN EACH SHEET PRIOR TO SUBMISSION. THE STRUCTURAL ENGINEER'S REVIEW SHALL BE FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE ENGINEER'S REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW, CHECK, AND COORDINATE THE SHOP DRAWINGS PRIOR TO SUBMISSION. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THE SHOP DRAWINGS.

MASONRY GENERAL NOTES:

- 1) ASSEMBLY STRENGTH f'm = 1500 PSI AT 28 DAYS.
- 2) MASONRY WALLS ARE TO BE OF THE SIZES AND IN THE LOCATIONS SHOWN ON THE PLANS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF ACI 530.
- 3) HOLLOW LOAD BEARING UNITS: ASTM C90 MADE WITH LIGHTWEIGHT OR NORMAL WEIGHT AGGREGATES. GRADE N-I UNITS SHALL BE PROVIDED FOR EXTERIOR AND FOUNDATION WALLS. GRADE N-I OR S-I UNITS SHALL BE PROVIDED FOR OTHER LOAD-BEARING WALLS OR PARTITIONS.
- 4) CONCRETE BUILDING BRICK: ASTM C55 MADE WITH LIGHTWEIGHT OR NORMAL AGGREGATES, GRADE N-I OR S-I EXCEPT THAT BRICK EXPOSED TO WEATHER SHALL BE N-I.
- 5) MORTAR: ASTM C270-95, TYPE S PREPACKAGED MORTAR MIX WHICH SHALL NOT CONTAIN ANY NON-CEMENTITIOUS FILLERS COMBINED WITH NOT MORE THAN THREE PARTS SAND PER ON PART MIX.
- 6) REINFORCING STEEL: ASTM A615 GRADE 60 STEEL DEFORMED BARS WHERE INDICATED ON THE PLANS. WHERE REINFORCING BARS ARE INSTALLED IN THE CELLS OF CONCRETE MASONRY UNITS, THEY SHALL BE SECURED WITH WIRE TIES AT INTERVALS NOT EXCEEDING 24" O/C TO MAINTAIN THE BARS LOCATION IN THE CELL. THE TOLERANCE FOR SPACING OF VERTICAL BARS IS \pm 2 INCHES ALONG THE LENGTH OF THE WALL. THE TOLERANCE FOR THE DISTANCE BETWEEN THE FACE OF THE CONCRETE MASONRY UNIT AND THE CENTER OF THE BAR SHALL NOT EXCEED $\pm \frac{1}{2}$ ".
- 7) MORTAR PROTRUSION SHALL BE LESS THAN ½". A PROTRUSION OF ½" OR GREATER MUST BE REMOVED BEFORE GROUTING.
- 8) HORIZONTAL JOINT REINFORCEMENT: ASTM A82 FABRICATED FROM COLD DRAWN STEEL WIRE AND HOT DIP ZINC COATED (ASTM A153). IT SHALL CONSIST OF TWO OR MORE PARALLEL, LONGITUDINAL WIRES 0.1875" IN DIAMETER WITH WELD-CONNECTED CROSS WIRES 0.1483" IN DIAMETER AT A MINIMUM OF 16" O/C. JOINT REINFORCEMENT IS TO BE INSTALLED IN EVERY OTHER COURSE AND IN THE FIRST TWO COURSES AT THE BOTTOM AND TOP OF WALL OPENINGS AND SHALL EXTEND NOT LESS THAN 24" PAST THE OPENING. SPLICES SHALL OVERLAP NOT LESS THAN 12".
- 9) EXECUTION: MASONRY UNITS SHALL BE LAID IN A RUNNING BOND PATTERN UNLESS NOTED OTHERWISE. THE WALLS SHALL BE CARRIED UP LEVEL AND PLUMB WITHIN THE TOLERANCES SPECIFIED IN ACI 530.1-88, SECTION 2.3.3.2. IF NONSTANDARD DIMENSIONS ARE ENCOUNTERED, BLOCK SHALL BE CUT WITH A MASONRY SAW TO FIT, NOT BY STRETCHING OR SHRINKING JOINTS. UNFINISHED WORK SHALL BE STEPPED BACK FOR JOINING WITH NEW WORK. TOOTHING WILL NOT BE PERMITTED EXCEPT WHERE SPECIFICALLY APPROVED. DAMAGED UNITS ARE TO BE CUT OUT AND NEW UNITS SET IN PLACE.
- 10) THE FILLED CELLS AND BOND BEAM BLOCKS OF REINFORCED MASONRY WALLS ARE TO BE FILLED WITH ASTM C476-91, GROUT FOR MASONRY WITH MINIMUM COMPRESSIVE STRESS OF 2,000 PSI AND SLUMP RANGE OR 8" TO 11".

DESIGN BASIS

CODE

APPLICABLE 2018 NORTH CAROLINA RESIDENTIAL CODE (NCRC)

| CODE: | | |
|--------------|---|--------------------------------|
| VERTICAL | ROOF | 17 psf |
| DEAD LOAD: | FLOOR | 16.5 psf |
| | KITCHEN ISLAND AND COUNTER TOP | 40 psf |
| | BATHROOM TILE | 20 psf |
| VERTICAL | ROOF | VARIES, 20 psf MAX. |
| LIVE LOAD: | FLOOR | 40 psf |
| UNIFORM LIVE | ATTIC FLOOR UNIFORM LIVE LOADING W/ THE FOLLOWING | |
| LOADING: | I.) ATTIC ACCESSIBLE BY FIXED STAIRS (LL) | 30 psf |
| | II.) UNINHABITABLE ATTICS W/ STORAGE (LL) | 20 psf |
| | II.) UNINHABITABLE ATTICS W/O STORAGE (LL) | 10 psf |
| | | |
| WIND DESIGN: | ENVELOPE PROCEDURE, PART2-ASCE 07-16 (SECTION 28.5) | |
| | BASIC WIND SPEED | 115 mph |
| | EXPOSURE | В |
| | IMPORTANCE FACTOR | 1.0 |
| | RISK CATEGORY | II |
| | HILL SHAPE | NO TOPOGRAPHIC OBSTRUCTIONS |
| | | |

FOUNDATIONS GENERAL NOTES:

U.N.O., FOUNDATION SHALL CONFORM TO FOLLOWING NOTES:

- 1) SHALLOW FOUNDATIONS ARE DESIGNED FOR AN ASSUMED SOIL BEARING CAPACITY OF 2,000 PSF. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER OF RECORD IF ANY SOILS BE DEEMED UNSUITABLE IN MEETING THIS MINIMUM BEARING CAPACITY. THE CONTRACTOR IS RESPONSIBLE FOR PROCUREMENT OF SOIL TESTING TO ENDURE ALL APPLICABLE SOILS MEET OR EXCEED 2,000 PSF BEARING CAPACITY.
- 2) ALL FOOTING EXCAVATIONS SHALL BE NEAT, STRAIGHT, AND LEVEL IN THE PROPER ELEVATIONS TO RECEIVE THE CONCRETE. EXCESSIVE VARIATIONS IN THE DIMENSIONS OF FOOTINGS OR SLABS WILL NOT BE PERMITTED. REINFORCING STEEL AND MESH SHALL BE ACCURATELY PLACED AND SUPPORTED TO MAINTAIN THEIR POSITION DURING THE CONCRETE POURING. EDGE FORMS SHALL BE USED FOR CONCRETE THAT WILL BE EXPOSED.
- 3) ALL FILL REQUIRES A MINIMUM COMPACTION OF 95% DENSITY AS MEASURED BY THE STANDARD PROCTOR TEST (ASTM D-1557), OTHERWISE USE SELF-COMPACTING CLEAN WASHED #57 STONE.
- 4) ALL SOILS AND FILL UNDER FLOORS AND/OR WITHIN OR UNDER BUILDINGS SHALL HAVE PRECONSTRUCTION SOIL TREATMENT FOR PROTECTION AGAINST TERMITES. CERTIFICATION OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY.
- 5) ALL SLAB PENETRATIONS ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR. PENETRATIONS INTERFERING WITH REINFORCING SHALL BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO THE PLACEMENT OF CONCRETE.
- 6) ELEVATION DIFFERENCES BETWEEN THE BOTTOM OF ADJACENT FOOTINGS SHALL BE LESS THAN THEIR HORIZONTAL DISTANCE LESS ONE FOOT. DIFFERENTIAL HEIGHTS BETWEEN FOOTINGS CAN BECOME EXCESSIVE USUALLY WHERE A PIER FOOTING IN A CRAWLSPACE OR GARAGE FOOTINGS ARE ADJACENT BASEMENT WALL FOOTINGS.
- ANY DEEP OR NON-CONVENTIONAL SHALLOW FOUNDATION SYSTEM REQUIRES SPECIAL DESIGN CONSIDERATIONS PER SITE CONDITIONS. CONSULT ENGINEER OR RECORD FOR DIRECTIVES.
- 8) MASONRY CHIMNEY FOOTINGS ARE TO BE 12" LARGER THAN THE CHIMNEY FOOTPRINT AND 12" THICK.
- 9) FOR RETAINING WALLS WITHOUT FRAMING OR ANY FOUNDATION WALL WITHOUT LATERAL SUPPORT AT THE TOP EDGE, CONSULT ENGINEER OF RECORD FOR DIRECTIVES.
- 10) SHIMS MATERIALS INSTALLED BETWEEN MASONRY PIERS AND WOOD GIRDERS SHOULD CONSIST OF EITHER SOLID WOOD OR MULTIPLE STACKED SOLID STEEL SHIMS EQUAL TO OR GREATER IN WIDTH TO THE GIRDER AND FULLY CONTACT AT LEAST 6" IN GIRDER LENGTH AND BELOW ANY SQUASH BLOCKS. ANY GIRDER SPLICES SHOULD BE CENTERED ALONG PIER AND EACH SUPPORTED A MINIMUM OF 6".
- 11) FOR UNRESTRAINED RETAINING WALLS SEE SPECIAL DESIGNS ON DRAWINGS.

12) ALL MASONRY FOUNDATION WALL EXTENSIONS, WING-WALLS AND MASONRY STAIRS TO HAVE MINIMUM 8" DEEP FOOTING WITH 4" PROJECTION U.N.O..

SPECIAL FOUNDATION CONSIDERATIONS:

13) FOUNDATION WALLS BACKFILLED WITH DIRT WHICH SUPPORT STRUCTURAL FRAMING SHALL BE CONSTRUCTED AS FOLLOWS:

- A) FOR EARTH FILL UP TO A MAXIMUM HEIGHT OF 4': USE 8" CMU OR 8" BRICK WITH BITUTHENE MEMBRANE WATERPROOFING ON EXTERIOR. FOOTINGS ARE TO BE 8" X 16" OR 8" X 24" AS NOTED ON THE PLAN.
- B) FOR EARTH FILL 4' TO A MAXIMUM HEIGHT OF 9': USE 8" X 24" FOOTING WITH #4 AT 16" DOWELS HOOKED IN FOOTING AND PROJECTING 18" ABOVE FOOTINGS. USE 12" CMU WALLS WITH #4 AT 16" VERTICAL BARS LOCATED 4" FROM NON-DIRT FILL FACE, LAP ALL SPLICES 12" AND USE DUR-O-WALL HORIZONTAL REINFORCING EVERY 8" IN CMU JOINTS. INSTALL 1-#3 L-BAR WITH 24" LEGS IN EVERY OTHER JOINT HORIZONTALLY AT ALL CORNERS; I.E., #3 CORNER BARS AT 16" O.C. VERTICALLY. FILL ALL OPEN CELLS OF CMU WITH EITHER TYPE S OR M MORTAR OR FILL WITH 2,500 PSI CONCRETE. INSTALL WATERPROOF BITUTHENE MEMBRANE OR EQUAL.
- C) IN LIEU OF THE PRECEDING DESIGN, BASEMENT WALLS MAY BE CONSTRUCTED IN ACCORDANCE WITH R404.1 OF THE CODE. HOWEVER, 24" X 24", #3 CORNER BARS SHALL BE INSTALLED AT 16" O/C VERTICALLY REGARDLESS OF THE WALL HEIGHT.

14) ALL RESTRAINED BASEMENT WALL TOP EDGES MUST EXTEND TO SILL PLATE BELOW FLOOR FRAMING ABOVE WHEN UNBALANCED FILL IS GREATER THAN 48".

| 1) | | | | | | | |
|----------|---|--|--|--|--|--------------------|--------------------------------|
| , | ALL STRUCTURAL WOOD WORK SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE 2018 NCRC. | | | | | | |
| 2) | ALL STRUCTURAL LUMBER SHALL BE OF THE GRADE INDICATED BELOW OR BETTER, UNLESS OTHERWISE NOTED ON PLANS. ALL WOOD WILL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT | | | | | | |
| | | F USE AND SURFACE DRY-GREEN. | | | | | |
| | | ND RAFTERS | | | | | PF #2 |
| | | EAMS AND HEADERS | | | | | PF #2 |
| | WALL PL | BLOCKINGS, LIGHT FRAMING AND | MISC. | | | | PF #2 PF #2 |
| | WOOD S | | | | | | P #2 |
| ľ | | E TREATED (P.T.) JOIST, BEAMS A | ND POSTS | $\hat{\mathbf{D}}$ | | SI | P #2 |
| 3) | ANSI/AI PER 201 IS REQU GREATE CAMBE | AMINATED BEAMS (GLB) SHALL BE TC A190.1 AND ASTM D3737. CO .8 NCRC REQUIREMENTS PERFORI VIRED FOR ALL NEW GLB LARGER T R THAN 32 FEET. ALL GLB SHALL R TO RADIUS OF 3,500 FEET, AND NLESS OTHERWISE NOTED ON PLA | NTINUOU MED BY A FHAN 5 1/ BE INDUS FABRICA | JS IN-PLANT IN: CERTIFIED INS /8x18 OR FOR S TRIAL GRADE T | SPECTIC PECTOR PANS YPICAL, | R | |
| ſ | | SPAN BEAM | | | | 24 | 1FV4 |
| | CANTILE | VER AND CONTINUOUS BEAM | | | | 24 | 1FV8 |
| | A. AT E | XPOSED GLUE-LAMINATED BEAM | IS, USE RO | DSBORO GLULA | M. | | |
| | | PLE SPAN BEAM - PORT ORFORD C | | | | 22F-\ | V/PC |
| | | TILEVER AND CONTINUOUS BEAM ORD CEDAR | i - PORT | | | 22F-\ | V/PC |
| | | PLE SPAN BEAM - ALASKA YELLOW | / CEDAR | | | 201 | F-V1 |
| | | TILEVER AND CONTINUOUS BEAM | | A YELLOW CEDA | AR | | -V1 |
| | | | | | | | |
| 4) Г | THE FO | UCTURAL COMPOSITE LUMBER (L | ONS: | | | | Г/ |
| ł | APPLICA GIRDER/ | BEAMS (2.0E LVL) | Fb(psi) 2900 | Fc(psi)-PARA. 3200 | |)-PERP. 50 | E(20 |
| | | BEAMS (2.0E PARALLAM PSL) | 2900 | 2900 | 62 | 25 | 20 |
| | | NS (1.8E PARALLAM PSL) | 2500 | 2500 | | 45 | 18 |
| | | BOARD (1.3E TIMBERSTRAND LSL) | | 1835 | 71 | 10 | 1 |
| | | GLUE LAMINATED TIMBER (GLU-L _OWING MINIMUM SPECIFICATIO | | D MEET THE | | | |
| | APPLICATION | | Fb(psi) | Fc(psi)-PARA. | Fc(psi) | -PFRP | E(|
| | | DER/BEAMS | 2400 | 1700 | | 40 | 1 |
| | | | | | | | |
| 5) | PLYWO | OD SHEATHING OR OSB SHEATHIN | IG: | | | | |
| 5) | PLYWO ROOF | 7/16 INCH APA RATED 24/0 EXP | OSURE 1. | (4 PLY MIN.) S | .A.D. W | HEN RAI | DIAN |
| 5) | | 7/16 INCH APA RATED 24/0 EXP BARRIER SHEATHINGS REQUIRED | OSURE 1.). | | | | |
| 5) | | 7/16 INCH APA RATED 24/0 EXP | OSURE 1. D. XPOSURE | 1. 5 PLY MIN. V | NITH TO | DNGUE / | AND |
| 5) | ROOF | 7/16 INCH APA RATED 24/0 EXP BARRIER SHEATHINGS REQUIRED 19/32 INCH APA RATED 48/24 EX GROOVE EDGES GLUED TO SUPP PANEL SHALL BE 24" | OSURE 1. D. XPOSURE PORT, U.N | 1. 5 PLY MIN. V .O. MINIMUM | NITH TO | DNGUE / | AND |
| 5) | ROOF | 7/16 INCH APA RATED 24/0 EXP BARRIER SHEATHINGS REQUIRED 19/32 INCH APA RATED 48/24 EX GROOVE EDGES GLUED TO SUPP PANEL SHALL BE 24" 7/16 INCH APA STRUCT 1, INTER | OSURE 1. D. XPOSURE PORT, U.N | 1. 5 PLY MIN. V .O. MINIMUM | NITH TO | DNGUE / | AND |
| - | ROOF FLOOR WALL | 7/16 INCH APA RATED 24/0 EXP BARRIER SHEATHINGS REQUIRED 19/32 INCH APA RATED 48/24 EX GROOVE EDGES GLUED TO SUPP PANEL SHALL BE 24" 7/16 INCH APA STRUCT 1, INTER GLUE. (4 PLY MIN.) | OSURE 1. D. XPOSURE PORT, U.N | 1. 5 PLY MIN. V .O. MINIMUM | NITH TO | DNGUE / | AND |
| - | ROOF FLOOR WALL PRESSU | 7/16 INCH APA RATED 24/0 EXP BARRIER SHEATHINGS REQUIRED 19/32 INCH APA RATED 48/24 EX GROOVE EDGES GLUED TO SUPP PANEL SHALL BE 24" 7/16 INCH APA STRUCT 1, INTER | OSURE 1. D. XPOSURE PORT, U.N | 1. 5 PLY MIN. V .O. MINIMUM HEXTERIOR | WITH TC SHEET E | DNGUE A | AND ON |
| - | ROOF FLOOR WALL PRESSU A) PF Q | 7/16 INCH APA RATED 24/0 EXP BARRIER SHEATHINGS REQUIRED 19/32 INCH APA RATED 48/24 EX GROOVE EDGES GLUED TO SUPP PANEL SHALL BE 24" 7/16 INCH APA STRUCT 1, INTER GLUE. (4 PLY MIN.) RE TREATED LUMBER: RESSURE TREATED D.F. SHALL BE A UAT (ACQ), COPPER BORON AZOL | OSURE 1. D. XPOSURE PORT, U.N RIOR WITH AWPA STA E (CBA), C | 1. 5 PLY MIN. N .O. MINIMUM HEXTERIOR MPED. AMMC DR BORATE TRE | WITH TO SHEET D DNIACAL | DNGUE A DIMENSI | AND ON |
| - | ROOF FLOOR WALL PRESSU A) PF Q ST | 7/16 INCH APA RATED 24/0 EXP BARRIER SHEATHINGS REQUIRED 19/32 INCH APA RATED 48/24 EX GROOVE EDGES GLUED TO SUPP PANEL SHALL BE 24" 7/16 INCH APA STRUCT 1, INTER GLUE. (4 PLY MIN.) RE TREATED LUMBER: RESSURE TREATED D.F. SHALL BE A | OSURE 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2 | 1. 5 PLY MIN. N .O. MINIMUM H EXTERIOR MPED. AMMC DR BORATE TRE FRATION INCISE | WITH TO SHEET D ONIACAL ATED A ED. | DNGUE A DIMENSI | AND ON |
| 5) | ROOF FLOOR WALL PRESSU A) PF Q ST B) AL W | 7/16 INCH APA RATED 24/0 EXP BARRIER SHEATHINGS REQUIRED 19/32 INCH APA RATED 48/24 EX GROOVE EDGES GLUED TO SUPP PANEL SHALL BE 24" 7/16 INCH APA STRUCT 1, INTER GLUE. (4 PLY MIN.) RE TREATED LUMBER: RESSURE TREATED D.F. SHALL BE A UAT (ACQ), COPPER BORON AZOL TANDARD U1, MINIMUM 0.40 INC L PRESERVATIVE TREATED LUMBE ITH PRESERVATIVE WHERE CUT A | OSURE 1. D. XPOSURE PORT, U.N RIOR WITH AWPA STA E (CBA), C H. PENET ER SHALL ND DRILL | 1. 5 PLY MIN. N .O. MINIMUM HEXTERIOR MPED. AMMO DR BORATE TRE FRATION INCISE BE FIELD-APPLI ED ON SITE WI | WITH TO SHEET D ONIACAL ATED A ED. ED | DNGUE A DIMENSI | AND ON |
| - | ROOF FLOOR WALL PRESSU A) PF Q ST B) AI W CC C) US | 7/16 INCHAPA RATED 24/0 EXPBARRIER SHEATHINGS REQUIRED19/32 INCHAPA RATED 48/24 EXGROOVE EDGES GLUED TO SUPPPANEL SHALL BE 24"7/16 INCHAPA STRUCT 1, INTERGLUE. (4 PLY MIN.)RE TREATED LUMBER:RESSURE TREATED D.F. SHALL BE AUAT (ACQ), COPPER BORON AZOLANDARD U1, MINIMUM 0.40 INCL PRESERVATIVE TREATED LUMBERITH PRESERVATIVE WHERE CUT AOPPER NAPHTHENATE (2% COPPERSE HOT DIPPED GALVANIZED HARD | OSURE 1. D. XPOSURE PORT, U.N RIOR WITH AWPA STA E (CBA), C H. PENET ER SHALL ND DRILL R AS MET DWARE P | 1. 5 PLY MIN. N .O. MINIMUM H EXTERIOR BORATE TRE FRATION INCISE BE FIELD-APPLI ED ON SITE WI AL). ER ASTM A153 | NITH TC SHEET C ONIACAL CATED A ED TH OR | DNGUE A DIMENSI | AND ON |
| - | ROOF FLOOR WALL PRESSU A) PF Q ST B) AI W CC C) US ST BC | 7/16 INCHAPA RATED 24/0 EXPBARRIER SHEATHINGS REQUIRED19/32 INCHAPA RATED 48/24 EXGROOVE EDGES GLUED TO SUPPPANEL SHALL BE 24"7/16 INCHAPA STRUCT 1, INTERGLUE. (4 PLY MIN.)RE TREATED LUMBER:RESSURE TREATED D.F. SHALL BE AUAT (ACQ), COPPER BORON AZOLCANDARD U1, MINIMUM 0.40 INCL PRESERVATIVE TREATED LUMBEITH PRESERVATIVE WHERE CUT AOPPER NAPHTHENATE (2% COPPERSE HOT DIPPED GALVANIZED HARDCAINLESS STEEL OR SILICON BRONDDLTS, NAIL, ETC. FOR ALL ATTACHI | OSURE 1. D. XPOSURE ORT, U.N CORT, U.N RIOR WITH AWPA STA E (CBA), C H. PENET ER SHALL ND DRILL R AS MET DWARE P Z OR COP MENT TO | 1. 5 PLY MIN. N .O. MINIMUM HEXTERIOR BORATE TRE FRATION INCISE BE FIELD-APPLI ED ON SITE WIT AL). ER ASTM A153 PER MATERIAL | NITH TC SHEET C ONIACAL CATED A ED TH OR | DNGUE A DIMENSI | AND ON |
| 6) | ROOF FLOOR WALL PRESSU A) PF Q ST B) AI W CC C) US ST BC TF | 7/16 INCHAPA RATED 24/0 EXPBARRIER SHEATHINGS REQUIRED19/32 INCHAPA RATED 48/24 EXGROOVE EDGES GLUED TO SUPPPANEL SHALL BE 24"7/16 INCHAPA STRUCT 1, INTERGLUE. (4 PLY MIN.)RE TREATED LUMBER:RESSURE TREATED D.F. SHALL BE AUAT (ACQ), COPPER BORON AZOLANDARD U1, MINIMUM 0.40 INCL PRESERVATIVE TREATED LUMBERITH PRESERVATIVE WHERE CUT AOPPER NAPHTHENATE (2% COPPERSE HOT DIPPED GALVANIZED HARDAINLESS STEEL OR SILICON BRONZ | OSURE 1. D. XPOSURE PORT, U.N CORT, U.N RIOR WITH AWPA STA E (CBA), C H. PENET ER SHALL ND DRILL R AS MET DWARE P Z OR COP MENT TO 0.5) | 1. 5 PLY MIN. N .O. MINIMUM HEXTERIOR BORATE TRE FRATION INCISE BE FIELD-APPLI ED ON SITE WIT AL). ER ASTM A153 PER MATERIAL ACQ OR CBA | NITH TC SHEET D ONIACAL ATED A ED TH OR , IE. | DNGUE A DIMENSI | AND ON |
| 6) | ROOF FLOOR WALL PRESSU A) PF Q ST B) AI W CC C) US ST BC TF ALL NAI AS SPEC | 7/16 INCH APA RATED 24/0 EXP BARRIER SHEATHINGS REQUIRED 19/32 INCH APA RATED 48/24 EX GROOVE EDGES GLUED TO SUPP PANEL SHALL BE 24" 7/16 INCH APA STRUCT 1, INTER GLUE. (4 PLY MIN.) RE TREATED LUMBER: RESSURE TREATED D.F. SHALL BE A UAT (ACQ), COPPER BORON AZOL CANDARD U1, MINIMUM 0.40 INC L PRESERVATIVE TREATED LUMBER ITH PRESERVATIVE WHERE CUT A OPPER NAPHTHENATE (2% COPPER SE HOT DIPPED GALVANIZED HARD CAINLESS STEEL OR SILICON BRONS DITS, NAIL, ETC. FOR ALL ATTACHIR REATED MEMBERS. (NCBC 2304.10) LLS SHALL BE COMMON STEEL WIFF CIFIED ON THE DRAWINGS, SCHED | OSURE 1. D. XPOSURE ORT, U.N CORT, U.N | 1. 5 PLY MIN. N .O. MINIMUM HEXTERIOR BERATE TRE TRATION INCISE BE FIELD-APPLI ED ON SITE WIT AL). ER ASTM A153 PER MATERIAL ACQ OR CBA | ONIACAL CATED A ED TH OR , IE. | DNGUE A DIMENSI | AND ON |
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- STRUCTURAL ELEMENTS SHALL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE ENGINEER UNLESS SPECIFICALLY DETAILED ON THESE DOCUMENTS. 11) HOLES FOR BOLTS IN WOOD SHALL BE DRILLED A MAXIMUM OF 1/16"
- LARGER THAN BOLT DIAMETER. METAL WASHERS SHALL BE PROVIDED FOR ALL HEAD AND NUTS OF BOLTS AND LAG SCREWS THAT BEAR ON WOOD. CUTS AND HOLES IN P.T. LUMBER SHALL BE SEALED AND TREATED.
- 12) ALL BOLTS AND SCREWS SHALL BE TIGHTENED AT THE TIME OF ERECTION AND RETIGHTENED BEFORE COMPLETION OF WORK OR INSTALLATIONS THAT WOULD MAKE THE BOLTS INACCESSIBLE.
- 13) USE DOUBLE FLOOR JOISTS AT NON-BEARING PARTITIONS WHEN PARALLEL TO FLOOR FRAMING. USE BLOCKING AT 4'-0" O.C. WHEN PERPENDICULAR TO FLOOR JOISTS.
- 14) PROVIDE 2x SOLID BLOCKING BETWEEN JOISTS OR RAFTERS OVER ALL SUPPORTS.15) ALL WOOD MEMBERS IN CONTACT WITH CONCRETE, GROUT OR MASONRY
- SHALL BE PRESSURE-TREATED.
 16) LIGHT GAUGE FRAMING HARDWARE AND HOLDOWN HARDWARE SHALL BE SIMPSON STRONG-TIE IN ACCORDANCE WITH CATALOGUE C-C-2024. SIMILAR PRODUCTS WITH ICC VALUES EXCEEDING THOSE PUBLISHED FOR SIMPSON STRONG-TIE (ESR-2551, ESR-2552, AND ESR-2553) MAY BE CONSIDERED AS SUBSTITUTION. ALL SUBSTITUTIONS SHALL SHALL BE SUBMITTED TO THE
- ENGINEER ON RECORD FOR APPROVAL 10 WORKING DAY PRIOR TO INSTALLATION. 17) PROVIDE FULL-DEPTH SOLID BLOCKING OR OTHER MEANS OF LATERAL SUPPORT AT ENDS OF BEARING POINTS OF ALL JOISTS, RAFTERS, BEAMS AND HEADERS, AND AT INTERMEDIATE INTERVALS NOT TO EXCEED 8'-0".
- 18) LAG SCREWS PER ANSI/ ASME STANDARD B18.2.1 PROVIDE LEAD HOLE SAME DIAMETER AND DEPTH AS SHANK AND THEN DRILL HOLE 60% -70% OF SHANK DIAMETER FOR THREADED PORTIONS.

CONCRETE

- EXCEPT WHERE OTHERWISE NOTED, FOR ALL CONCRETE, THE PROPORTIONS OF CEMENT, AGGREGATE, AND WATER TO ATTAIN REQUIRED PLASTICITY AND COMPRESSIVE STRENGTH SHALL BE IN ACCORDANCE WITH ACI 318 CODE. CONCRETE SHALL BE 3,000 PSI IN 28 DAYS FOR FOOTINGS AND 3,000 PSI FOR WALLS, BEAMS, AND COLUMNS, UNLESS NOTED OTHERWISE.
- 2) BEFORE PLACING CONCRETE, ALL DEBRIS, WATER AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE PLACES TO BE OCCUPIED BY THE CONCRETE. THE PLACING OF ALL CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318 AND ASTM C94 REQUIREMENTS. PUMPING OF CONCRETE WILL BE PERMITTED ONLY WITH THE ENGINEER OF RECORD'S APPROVAL OF PROPOSED CONCRETE MIX AND METHOD OF PUMPING. CONCRETE SHALL BE RAPIDLY HANDLED FROM THE MIXER TO FORMS AND DEPOSITED AS NEARLY AS POSSIBLE TO ITS FINAL POSITION TO AVOID SEGREGATION DUE TO REHANDLING. CONCRETE TO BE SPADED AND WORKED BY HAND AND VIBRATED TO ASSURE CLOSE CONTACT WITH ALL SURFACES OF FORMS AND REINFORCING STEEL AND LEVELED OFF AT PROPER GRADE TO RECEIVE FINISH. ALL CONCRETE SHALL BE PLACED UPON CLEAN, DAMP SURFACES. VIBRATION SHALL BE APPLIED DIRECTLY TO THE CONCRETE AND SHALL BE SUFFICIENT TO CAUSE FLOW OF SETTLEMENT BUT NOT LONG ENOUGH TO CAUSE SEGREGATION OF THE MIX.
- 3) PLACEMENT:
- A) ALL REINFORCING BARS, ANCHOR BOLTS, AND ALL OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- B) CHAMFER ALL CORNERS OF CONCRETE TO PREVENT DAMAGE.
- C) CONSTRUCTION TOLERANCE SHALL COMPLY TO ACI 117.
- CONCRETE SHALL BE PLACED IN A CONTINUOUS OPERATION BETWEEN PREDETERMINED CONSTRUCTION JOINTS.
 LISE VIRBATORS TO CONSOLIDATE CONCRETE, DO NOT LISE VIRBATORS TO CONSOLIDATE CONSOL
- E) USE VIBRATORS TO CONSOLIDATE CONCRETE. DO NOT USE VIBRATORS TO MOVE CONCRETE.
- F) CONCRETE SHALL BE CONTINUOUSLY CURED FOR 7 DAYS AFTER PLACEMENT IN ANY APPROVED MANNER. FOOTINGS ARE EXEMPTED FROM THIS REQUIREMENT.
- G) PATCHING OF CONCRETE: ALL INSERT HOLES AND OTHER IMPERFECTIONS ON THE SURFACES OF THE CONCRETE SHALL BE FILLED WITH GROUT, BRUSHED AND SACKED TO A UNIFORM FINISH.
- 4) CONSTRUCTION JOINTS SHALL BE LOCATED IN ACCORDANCE WITH ACI 301. ALL REINFORCING STEEL SHALL BE CONTINUOUS ACROSS JOINTS. IN SLABS ON GRADE, SAW CONTRACTION JOINTS SHALL NOT BE OVER 20 FEET CENTER TO CENTER EACH WAY. JOINTS SHALL BE SAWN A DEPTH OF ONE-THIRD OF THE SLAB THICKNESS. SAWING OF THE JOINTS SHALL COMMENCE AS SOON AS THE CONCRETE HAS HARDENED SUFFICIENTLY TO PERMIT SAWING WITHOUT EXCESSIVE RAVELING. FILL THE SAW CUTS WITH APPROVED JOINT FILLER AFTER THE CONCRETE HAS CURED. ROUGHENED CONSTRUCTION JOINTS (R.C.J.): ROUGHEN JOINT TO MINIMUM 1/4 INCH AMPLITUDE.
- 5) CONCRETE, WHEN DEPOSITED, SHALL HAVE A TEMPERATURE NOT BELOW 50°F AND NOT ABOVE 90°F. THE METHODS AND RECOMMENDED PRACTICES AS DESCRIBED IN ACI 306 SHALL BE FOLLOWED FOR COLD WEATHER CONCRETING AND ACI 305 FOR HOT WEATHER CONCRETING.
- 6) FRESHLY PLACED CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING BY ONE OF THE FOLLOWING METHODS:
- A) PONDING OR CONTINUOUS SPRINKLING.
- B) ABSORPTIVE MAT OR FABRIC KEPT CONTINUOUSLY WET.C) WATERPROOF PAPER CONFORMING TO ASTM C171
- D) APPLICATION OF AN APPROVED CHEMICAL CURING COMPOUNDGF
- 7) THE CURING SHALL CONTINUE UNTIL THE CUMULATIVE NUMBER OR DAYS WHEN THE AMBIENT TEMPERATURE ABOVE 50°F HAS TOTALED SEVEN. DURING CURING, THE CONCRETE SHALL BE PROTECTED FROM ANY MECHANICAL INJURY, LOAD STRESSES, SHOCK, VIBRATION, OR DAMAGE TO FINISHED SURFACES.
- 8) REINFORCING STEEL BARS SHALL BE DEFORMED IN ACCORDANCE WITH ASTM A305 AND OR A408 AND FORMED OF ASTM A615-78 GRADE 60 STEEL. WELDED WIRE FABRIC REINFORCING TO BE ASTM A185 STEEL WIRE. ACCESSORIES SHALL CONFORM TO THE CRSI "MANUAL OF STANDARD PRACTICE." THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED OVER REINFORCING BARS:

| CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH | |
|---|---|
| CONCRETE FORMED BELOW GRADE OR EXPOSED TO WEATHER: | |
| NO.6 AND GREATER | |
| NO.5 AND SMALLER | 1 |
| CONCRETE NOT EXPOSED TO WEATHER NOR IN CONTACT WITH GROUND: | |
| SLABS, WALLS, AND JOISTS: NO.11 AND SMALLER | |
| BEAMS AND COLUMNS: PRIMARY REINF., TIES, STIRRUPS, SPIRALS | 1 |

- 9) INTERIOR SLAB ON GRADE:
- A) DO NOT ALLOW WATER TO COLLECT ON OR AROUND BUILDING PAD.B) INITIAL CURING: INITIAL CURING SHALL IMMEDIATELY FOLLOW THE FINISHING OPERATION. CONCRETE SHALL BE KEPT CONTINUOUSLY
- MOIST AT LEAST OVERNIGHT.
 C) FINAL CURING: IMMEDIATELY FOLLOWING THE INITIAL CURING AND BEFORE THE CONCRETE HAS DRIED. SLABS TO RECEIVE MOISTURE SENSITIVE FLOORING MATERIALS TO BE CONTINUOUSLY CURED FOR 7 DAYS BY WET COVERING OR MOISTURE RETAINING COVERING.
- LIQUID MEMBRANE CURING COMPOUNDS SHALL NOT BE PERMITTED. D) INTERIOR SLABS SHALL RECEIVE A LIGHT BROOM FINISH U.N.O., S.A.D. TOLERANCE SHALL BE 1/8" IN 10'-0". EDGES SHALL BE SMOOTH TROWELED.

10) ALL CONCRETE TO BE REINFORCED UNLESS SPECIFICALLY MARKED "NOT REINFORCED"

11) VAPOR BARRIER: A) 15 MIL ASTM E-1745 CLASS A, TYP. U.N.O.

- 12) GROUT:
- MANUFACTURED PRE-MIXED. NON-FERROUS, NON-STAINING, FLOWABLE GROUT WHICH WILL NOT SHRINK AS IT CURES, 4000 PSI AT 7 DAYS. FOR GROUT AT BASE PLATE, SEE STEEL NOTE #8. SUBMIT PRODUCT DATA FOR REVIEW.

REINFORCING STEEL

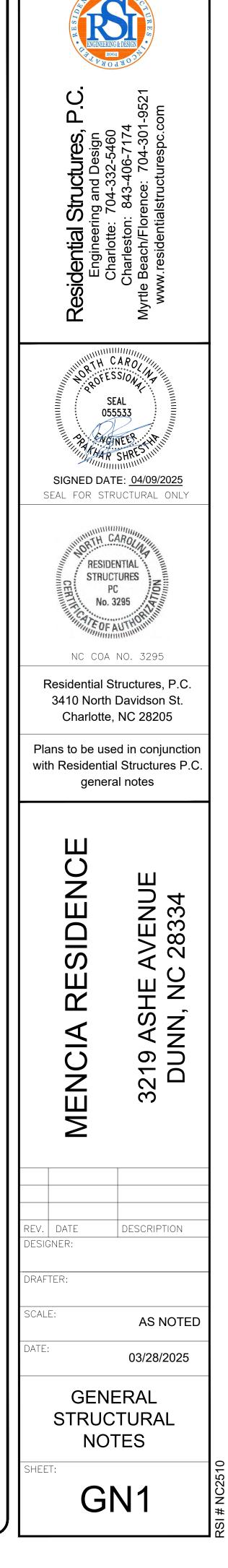
1) REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH ACI 315 AND ACI 318.

2) REINFORCING STEEL SHALL BE AS FOLLOWS:

| BAR TYPE | GRADE |
|-----------------------|-------------------------------|
| #4 BARS AND SMALLER | ASTM A615 GR. 60 |
| #5 BARS AND LARGER | ASTM A615 GR. 60 |
| WELDED BARS | ASTM A706 |
| TIE WIRES AND SPIRALS | ASTM A82 |
| WELDED WIRE FABRIC | ASTM A185 |
| MECHANICAL BAR SPLICE | BAR LOCK OR APPROVED EQUAL |

- 3) DO NOT FIELD BEND OR STRAIGHTEN IN ANY MANNER THAT WILL
- DAMAGE REINFORCING.
- 4) PROVIDE SPLICES IN REINFORCING ONLY WHERE SHOWN ON DRAWINGS OR APPROVED IN WRITING BY PROFESSIONAL OF RECORD.
- 5) WELDING TO CONFORM TO AWS D1.4. WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS USING E9018 OR APPROVED ELECTRODES. DO NOT WELD OR TACK WELD REINFORCING BARS TO OTHER BARS OR TOP PLATES, ANGLES, ETC UNLESS SPECIFICALLY APPROVED BY THE E.O.R.

| GN1 | STRUCTURAL TITLE SHEET | | |
|------------------|---|----------------------------|---|
| GN2 S2.0 | GENERAL STRUCTURAL NOTE FOUNDATION PLAN | S | |
| S2.1 S2.2 | 1ST FLOOR FRAMING & FOUI 1ST FLOOR CEILING FRAMING | | |
| S2.3 S2.4 | 2ND FLOOR CEILING FRAMIN MAIN ROOF FRAMING PLAN | | |
| SF1 | FOUNDATION DETAILS | | |
| SF2 SW1 | FOUNDATION DETAILS WOOD DETAILS | | |
| SW2 SW3 | WOOD DETAILS WOOD DETAILS | | |
| SW4 SW4T | WOOD DETAILS WOOD DETAILS | | |
| SCOP | E OF WORK | | |
| DESIGN OF | TWO STORY RESIDENTIAL BUILI | DING | |
| ABBR | EVIATIONS | | |
| & A.B. | AND ANCHOR BOLT | J.H. | |
| A.O.R. ARCH. | ARCHITECT OF RECORD ARCHITECTURAL | K.D.D.F. LONG. | KILN DRIED DOUGLAS FIR LONGITUDINAL |
| B.F.E. | BASE FLOOD ELEVATION | L.V.F. | LOW-VELOCITY FASTENER |
| BLDG. BLK'G. | BUILDING BLOCKING | MAX. M.B. | MAXIMUM MACHINE BOLTS (UNFINISHED) |
| BM. B.N. | BEAM BOUNDARY NAIL | MFR. MIN. | MANUFACTURER MINIMUM |
| B.O.C. BOT. | BOTTOM OF CONCRETE BOTTOM | (N) | NEW NOT APPLICABLE |
| BTW. C L | BETWEEN | N/A N.S. | NEAR SIDE |
| C.B. C.G.S. | CENTER LINE CEILING BEAM CENTER OF GRAVITY OF | NTS. O/ | NOT TO SCALE OVER |
| | CENTER OF GRAVITY OF POST-TENSIONING STRAND | O, O.C. OPP. | ON CENTER OPPOSITE |
| C.J. C.J.P. | CONTROL JOINT COMPLETE JOINT | 0.W.S.G. 0.W.S.J. | OPEN WEB STEEL GIRDER |
| CLR. | PENETRATION CLEAR COVER | 0.vv.s.j. P L | PLATE |
| CLT COL. | CROSS LAMINATED TIMBER | P.A.D. | POWER ACTUATED DEVICE |
| CONC. CONT. | CONCRETE CONTINUOUS | PLY. P.J.P. | PLYWOOD PARTIAL JOINT PENETRATION |
| C.T. | COLLECTOR TRUSS | P.T. P/T | PRESSURE TREATED POST TENSIONING |
| DBL. DBO. | DOUBLE DRAWING BY OTHER | R.C.J. | ROUGHENED CONSTRUCTION JOINT |
| DET. D.C. | DETAIL DEMAND CRITICAL | REINF. REQ'D. | REINFORCEMENT REQUIRED |
| D.F. DWG. | DOUGLAS FIR DRAWING | RTU | ROOF TOP UNIT |
| (E) | EXISTING | S.A.D. S.C.D. | |
| EA. EL. | EACH ELEVATION | SCHED. | SCHEDULE |
| E.N. E.O.R. | EDGE NAIL ENGINEER OF RECORD | S.D.B.O. SIM. | SEE DRAWINGS BY OTHERS SIMILAR |
| E.Q. E.S. | EQUAL EDGE SCREW | S.J. S.L.R.S. S.L.D. | SEISMIC JOINT SEISMIC LOAD RESISTING SYSYEM |
| E.W. EXT. | EACH WAY EXTERIOR | S.L.D. S.M.D. | SEE LANDSCAPE DRAWINGS SEE MECHANICAL DRAWINGS |
| FDN. | FOUNDATION | S.W. SMS | SHEAR WALL SHEAR METAL SCREW |
| FIN. FL. | FINISH FLOOR | SS SPEC. | STAINLESS STEEL SPECIFICATION |
| F.O.C. F.O.S. | FACE OF CONCRETE FACE OF STUD | SPEC. SQ. SYM. | SQUARE SYMMETRICAL |
| F.S. FTG. | FAR SIDE FOOTING | SYM. T&B | TOP AND BOTTOM |
| G.C. G.C.T. | | T&G T.D. | TONGUE AND GROOVE TIE DOWN |
| | GIRDER COLLECTOR TRUSS | T.O.C. T.O.F. | TOP OF CONCRETE TOP OF FINISH |
| G.E.C.T. | GABLE END COLLECTOR TRUSS | T.O.S. T.P. | TOP OF STEEL FRAMING TOP OF PLATE |
| G.E.T. G.T. | GABLE END TRUSS GIRDER TRUSS | T.P. TRAN. TYP. | TRANSVERSE TYPICAL |
| GEOTECH. GLB. | GEOTECHNICAL GLULAM BEAM | TYP. U.N.O. | |
| 1 | | | |
| | | | ED AND ERECTED IN ACCORDANCE |
| VITH AISC (AN | MERICAN INSTITUTE OF STEEL C SHALL BE AS FOLLOWS: | | |
| APE | | | GRADE |
| E FLANGE SEG | | | ASTM A992 GR. 50 |
| LOW STRUCT | URAL SECTION (HSS) | | ASTM A500B GR. 46 ASTM A53 GR. B |
| ER SHAPES A | ND PLATES | | ASTM A36, ASTM A572 |
| | | | GR. 50 WHERE SPECIFIED |



2" 1 1/2" 1" 1 1/2"

| SHAPE | GRADE |
|---------------------------------|--|
| WIDE FLANGE SECTION (WF) | ASTM A992 GR. 50 |
| HOLLOW STRUCTURAL SECTION (HSS) | ASTM A500B GR. 46 |
| STANDARD PIPE | ASTM A53 GR. B |
| OTHER SHAPES AND PLATES | ASTM A36, ASTM A572 GR. 50 WHERE SPECIFIED |
| BOLTS | ASTM A307 |
| HIGH STRENGTH BOLTS | ASTM A325, U.N.O. |
| THREADED RODS | ASTM A307 OR F1554 GR. 36 |
| ANCHOR RODS | F1554 GR. 36 TYP., U.N.O. |
| WELDING ELECTRODES | E-70xx, U.N.O. |
| WELDED STUDS | FLUX FILLED HEADED STUDS ASTM A108 BY NELSON OR EQUAL. |

3) WELDING TO CONFORM TO AWS AND TO BE PERFORMED BY CERTIFIED WELDERS.

4) BUTT WELDS ARE TO BE COMPLETE PENETRATION U.N.O. ALL FILLET WELDS SHOWN ARE MINIMUM REQUIRED BY STRESS. INCREASE WELDS TO A.I.S.C. MINIMUM SIZES BASED ON THICKNESS OF MATERIAL JOINED U.N.O.

5) STEEL BEAMS ARE EQUALLY SPACED BETWEEN DIMENSION POINTS OR GRID LINES, U.N.O.

6) STEEL NOT RECEIVING FIRE PROOFING SHALL BE SHOP PRIMED.

7) ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIP ZINC GALVANIZED U.N.O.

8) NON SHRINK GROUT: 7500 psi COMPRESSIVE STRENGTH, NON METALLIC CONFORMING TO ASTM 1107. MASTERFLOW 928 OR EQUAL.

GENERAL STRUCTURAL NOTES

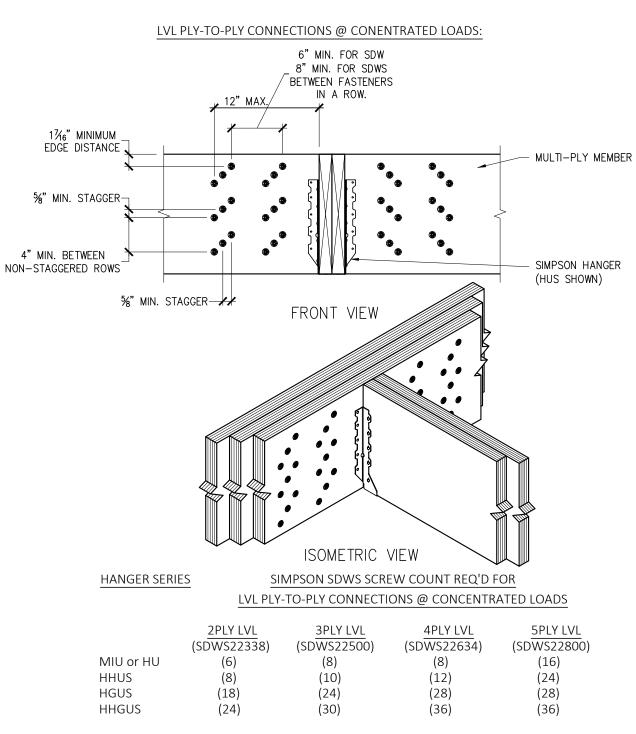
FRAMING CONSTRUCTION - OTHER THAN ROOF:

- U.N.O., ROOF FRAMING SHALL CONFORM TO FOLLOWING NOTES:
- 1. REFERENCE TABLE R602.3(1) OF THE CODE FOR A FASTENER SCHEDULE FOR STRUCTURAL MEMBERS.
- 2. TO MITIGATE QUESTIONABLE CRACKING/SEPERATION IN HARDWOOD FLOORS OVER GIRDERS, USE THE FOLLOWING PROCEDURES:
- A) TOENAIL JOISTS TO GIRDERS WITH (3) 8D NAILS (NO END NAILING THROUGH GIRDER/BAND IS PERMITTED)
- B) LAP JOISTS FULLY OVER DROPPED GIRDERS AND SIDE NAIL WITH (3) 16D NAILS AT EACH END OF EACH JOIST. APPLY BLOCKING PANELS BELOW ALL LOAD BEARING WALLS.
- C) BUILT UP GIRDERS/BEAMS SHALL BE FASTENED PER TABLE R602.3(1). ALL GIRDERS SHALL FULLY SPAN WITHOUT SPLICES IN OPEN SPANS.
- D) INSTALL BRIDGING AT 6FT O.C. TO A MINIMUM OF (6) JOIST SPACINGS BEYOND ANY JOIST DIRECTIONAL CHANGES. THIS WILL ASSIST IN SHRINKAGE DISTRIBUTION TO MITIGATE ACCUMULATION AT GIRDERS. WOOD JOIST OR BEAM SHALL BE SUPPORTED BY METAL HANGERS OF
- ADEQUATE CAPACITY WHERE INTERSECTING INTO BEAMS OF LEDGERS. SEE HANGER SCHEDULE OR PLAN SPECIFIC CONDITION. ALL HANGERS/FASTENERS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND NAILING PATTERN REQUIREMENTS. NAIL/SCREW FASTENERS MUST ADHERE TO THE MANUFACTURER'S DIRECT SPECIFICATIONS PER CORRESPONDING HANGER.
- ALL EXTERIOR WALLS AT STAIR OPENINGS SHALL BE BALLOON FRAMED PER ABOVE OR AS SPECIFIED ON PLANS
- 5. HEADERS SHALL BE AS SHOWN OR NOTED PER PLAN.
- 6. AT ALL STAIRS, EVERY STUD AT EACH STRINGER MUST BE NAILED TO EACH STRINGER WITH A MINIMUM OF (2) 16D NAILS. THIS WILL MITIGATE CRACKING BETWEEN WALLBOARD AND TOP OF BASE MOULDING DUE TO OSCILLATION OF STAIR STRINGERS. ANY SELF-SUPPORTING STAIR SYSTEM IS PER THE MANUFACTURER AND SUCH SHALL NOTIFY THE E.O.R. OF ANY CORRESPONDING LOADING CONDITIONS PRIOR TO CONSTRUCTION.
- ALL EXTERIOR WALL OPENINGS SHALL RECEIVE (1) KING STUD PER 3FT OF OPENING WIDTH. KING STUDS ARE TO BE FULL HEIGHT MEMBERS FROM SILL PLATE TO TOP PLATE. ATTACH INITIAL KING STUD ADJACENT OPENING SIDES TO EACH PLY OF HEADER WITH (4) 16D NAILS. AT OPENING 6'-0" AND GREATER, PROVIDE 2-2X SILL, ONE A34 CLIP AT EACH SIDE OF KING STUDS T&B, AT EACH END OF HEADER AND SILL TO STUDS.
- 8. 2X_ WOOD BEAMS SHALL HAVE A MINIMUM OF (2) 2X4 SUPPORT STUDS OR THE EQUIVALENT AMOUNT OF STUDS REQUIRED TO SUPPORT ALL PLIES U.N.O. PER PLAN.
- 9. STRUCTURAL COMPOSITE LUMBER BEAM SHALL HAVE AT MINIMUM (3) 2X4 SUPPORT STUDS OR THE EQUIVALENT STUD COUNT TO SUPPORT THE FULL BEAM WIDTH U.N.O. PER PLAN.
- 10. STEEL BEAMS SHALL HAVE A MINIMUM OF (5) 2X4 OR (4) 2X6 STUDS U.N.O. PER PLAN. SEE STUD CLUSTER CONNECTION DETAIL.
- 11. ALL STEEL COLUMNS SHALL DIRECTLY SUPPORT STEEL BEAMS AND HAVE A 1/4" FILLET WELD CONNECTION. U.N.O., ALL STEEL COLUMNS SHALL HAVE 5/8" x3-1/2"x12" BASE PLATE (2X4 WALLS) OR 5/8"x5-1/2"x12" BASE PLATE (2X6 WALLS) WITH AT LEAST 2-1/2" DIAMETER CAST-IN-PLACE OR POST-INSTALLED BOLTS TO CONCRETE OR CMU.
- 12. SEE STEEL GENERAL NOTES FOR FURTHER DIRECTIVES.
- 13. WHERE PARTITION WALLS FALL BETWEEN FLOOR JOISTS OR TRUSSES, 2X4 LADDER FRAMING AT 16" O.C. SHALL BE INSTALLED PERPENDICULAR TO THE JOISTS TO SUPPORT THE FLOOR DECKING. LADDER MATERIALS SHOULD BE SUPPORTED WITH SIMPSON "Z" CLIPS OR WITH SIMILAR DEVICE. A DOUBLE OISTS CAN BE SUBSTITUTED BELOW PARTITION WALLS OF 5FT L GREATER. SEPARATE DOUBLE JOIST BELOW THE WIDTH OF WALL ABOVE TO ALLOW FOR TRADE MATERIAL FLOOR PENETRATIONS. A SINGLE JOIST CAN BE USED WHEN NO TRADE INTERFERENCES ARE APPLICABLE
- 14. ALL I-JOIST AND OPEN WEB FLOOR TRUSSES ARE TO BE BRACED PER THE MANUFACTURER'S GUIDELINES AND DETAIL SPECIFIC CONDITIONS. LOAD BEARING PARTITION WALLS, JACK STUDS, BEAMS AND COLUMNS MUST BE SOLID BLOCKED THROUGH ALL FLOORS WITH AN EQUAL AMOUNT OF SUPPORTS. TRUSSES, I-JOIST BLOCKING, PLYWOOD AND RIM-BOARD SHALL NOT SUPPORT CONCENTRATED POINT LOADS.
- 15. ALL POINT LOADS FROM ROOF BRACES, JACK STUDS OR ANY TYPE BEAM CANNOT BEAR ON SHEATHING ALONE. BLOCKING EQUAL TO OR GREATER THAN THE POINT LOAD SUPPORTS ABOVE MUST BE TRANSFERRED THROUGH ALL LEVELS OF CONSTRUCTION TO THE FOUNDATION OR PIERS WITH ADEQUATE BLOCKING OR BEAMS.
- 16. UNLESS OTHERWISE DETAILED, ALL STICK-BUILT CHIMNEYS SHALL BE CONSTRUCTED WITH 2x6 STUDS @ 16" O.C. BALLOON FRAMED FROM THE ATTIC CEILING LEVEL. FASTEN 15/32" CDX PLYWOOD ON ALL SIDES OF CHIMNEY ALONG THE FULL LENGTH OF STUDS WITH 8D NAILS @ 6" ON CENTER. STRAP EACH STUD TO THE SUPPORTING BEAM OR CEILING JOIST WITH (1) 24" LONG SIMPSON CS-16 OR EQUIVALENT WITH STRAP CENTERED AT THE JOINT.
- 17. ALL EXTERIOR WALL SHEATHING SHALL BE MINIMUM 7/16" OSB OR EQUIVALENT PLYWOOD FASTENED TO FRAMING WITH 8D NAILS @ 6" O.C. ALONG PANEL EDGES AND 6" O.C. ALONG INTERMEDIATE/FIELD MEMBERS. REFERENCE TABLES R602.3(1)/(2) FOR ALTERNATIVE SHEATHING FASTENERS. SHEATHING TO LAP FOUNDATION SILL PLATE MEMBERS FOR 6" O.C. PANEL EDGE CONNECTION. INSTALL 2X4 SEAM BLOCKING AT HORIZONTAL PANEL EDGES FOR FASTENERS.
- 18. WHEN LVL MULTI-PLY CONNECTIONS ARE REQUIRED, SEE BELOW: LVL PLY-TO-PLY CONNECTIONS:

| <u>2-PLY</u> - (16D (3.5") NAILS AT 12" O.C.) LVL DEPTH: | # OF ROWS | EDGE/END DI |
|---|--|-------------|
| - 9-1/4" TO 11-7/8" - 14" TO 18" - 24" | (2) ROWS STAGGERED (3) ROWS STAGGERED (4) ROWS STAGGERED | 2"/2" |
| <u>3-PLY</u> - (SIMPSON SDWS22500 AT 16" O.C.) | # OF ROWS | |
| <u>LVL DEPTH:</u> - 9-1/4" TO 11-7/8" - 14" TO 24" | (2) ROWS STAGGERED (3) ROWS STAGGERED | |
| <u>4-PLY</u> - (SIMPSON SDWS22634 AT 16" O.C.) | # OF ROWS | |
| <u>LVL DEPTH:</u> - 9-1/4" TO 11-7/8" - 14" TO 24" | (2) ROWS STAGGERED (3) ROWS STAGGERED | |
| <u>5-PLY</u> - ($\frac{1}{2}$ " DIAMETER THROUGH BOLTS @ 16" | O.C.) <u># OF ROWS</u> | |
| LVL DEPTH: - 9-1/4" TO 11-7/8" - 14" TO 24" | (2) ROWS STAGGEREE (3) ROWS STAGGEREE | |

ALL LVL'S NOTED ON PLANS ARE 1-3/4" WIDTH PER PLY U.N.O. ALL THROUGH BOLT HOLES TO BE DRILLED WITH MAX 1/16" LARGER DIAMETER DRILL BIT.

ALL BOLTS TO RECEIVE WSHERS/NUT APPLICATION.

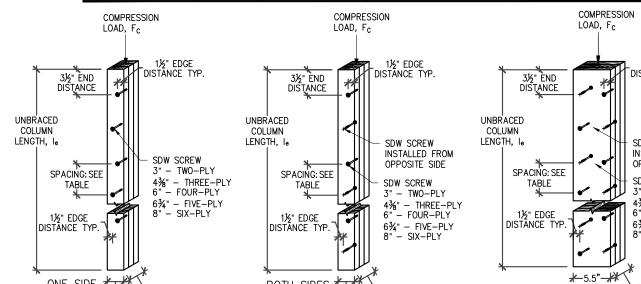


SCREW APPLICATION

- 2PLY - 4PLY LVLS (HANGER SIDE - SEE DETAIL) - 5PLY LVLS (BOTH SIDES - SEE DETAIL - STAGGER SCREWS FROM OPPOSING SIDE TO AVOID IMPACTING FASTENERS)

PLIES MUST BE HELD TOGETHER THRU CLAMPING OR OTHER METHODS TO AVOID GAPS PRIOR TO SCREW INSTALLATION 19. BUILT-UP STUD COLUMNS OR STUD CLUSTER CONNECTION REQUIREMENTS PER TABLE:

| | BUILT-UP COLUMN/STUD CLUSTER CONNECTON TABLE | | | | | |
|--------------------------|--|---------------|------------|-----------------------|-------------|------------------|
| NOMIN LUMBER (IN.) | SIZE | # OF STUDS | FASTENER | FASTENER SIZE | INSTALLTION | SPACING (IN.) |
| | | | | | | |
| 2X4 | | 2 | 10D COMMON | 0.148 DIA. x 3" L | BOTH SIDES | 6 |
| 2X6/2X | (8 | 2 | 10D COMMON | 0.148 DIA. x 3" L | BOTH SIDES | 8 |
| 2X4 | | 3 | SDW22438 | 0.220 DIA. x 4-3/8" L | ONE SIDE | 6 |
| 2X6/2X | (8 | 3 | SDW22438 | 0.220 DIA. x 4-3/8" L | BOTH SIDES | 8 |
| 2X4 | | 4 | SDW22600 | 0.220 DIA. x 6" L | ONE SIDE | 6 |
| 2X6/2X | (8 | 4 | SDW22600 | 0.220 DIA. x 6" L | BOTH SIDES | 8 |
| 2X4 | | 5 | SDW22634 | 0.220 DIA. x 6-3/4" L | BOTH SIDES | 8 |
| 2X6/2X | (8 | 5 | SDW22634 | 0.220 DIA. x 6-3/4" L | BOTH SIDES | 8 |
| 2X4 | | 6 | SDWS22800 | 0.220 DIA. x 8" L | BOTH SIDES | 8 |
| 2X6/2X | (8 | 6 | SDWS22800 | 0.220 DIA. x 8" L | BOTH SIDES | 8 |



BOTH SIDES * 13.5" SEE TABLE

6"X4"X⁵" STEEL ANGLE BRICK EXCEEDS 12'. FASTEN ___

BRICK CLIMB DETAIL

PER BRICK CLIMB ANGLE -

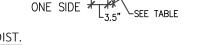
3"X3"X‡" BRICK STOPS @ 24" O.C FOR PITCHES UP TO 12:12

PROVIDE 7"X3"X⁵8" FOR PITCHES

6"X4"X5" STEEL ANGLE ATTACHE

(2) ¹/₄"X4" LAGSAT 16" O.C.

APPLY SCREW IN CENTE



MASONRY LINTELS AND BRICK CLIMBS

| 1. | | | PANS SI NEER PE | - · · - · · | TING E BELOW | |
|----|---|-----------------------------------|--------------------|-------------------------|---|--|
| | TA ALLO LINT MA | G | | | | |
| | ZE OF STEEL ANGLE ^{a,b,c} (inches) | NO STORY ABOVE | ONE STORY ABOVE | TWO STORIES ABOVE | | |
| | зхзх <u>1</u> | 6'-0" | 4'-6" | 3'-0" | 3"X3"X ¹ 4" BRICK FOR PITCHES U | |
| | 4x3x ¹ / ₄ | 8'-0" | 6'-0" | 4'-6" | PROVIDE 7"X3" GREATER THAN | |
| | 5X3 <u>1</u> X <u>5</u> | 10'-0" | 8'-0" | 6'-0" | GREATER HAN | |
| | 6X3 <u>1</u> X <u>5</u> | 14'-0" 9'-6" 7'-0" 6"X4" TO HI | | | | |
| | | | | | (2) ‡"X4" LAGS/ | |

2. LINTELS ABOVE GARAGE DOOR OPENINGS UP TO 18'-3" SHALL BE MINIMUM 6"x4"x5/16" STEEL ANGLE AND EXTEND A MINIMUM OF 12" BEYOND EACH SIDE OF THE OPENING. FASTEN STEEL ANGLE TO STRUCTURAL WOOD HEADER WITH 1/2"x4" LAG SCREWS AT 16" O.C. MAX AND SHORE A MINIMUM OF 7 DAYS AFTER INSTALLATION.

3. SEE BRICK CLIMB DETAIL FOR ALL BRICK VENEER CONDITIONS OVER LOWER ROOF SECTION

ROOF CONSTRUCTION:

U.N.O. ROOF FRAMING SHALL CONFORM TO FOLLOWING NOTES:

- 1. ALL ROOF TRUSSES SHALL BE INSTALLED PER THE ROOF TRUSS MANUFACTURER'S INSTALLATION DIRECTIVES AND WTCA/BCSI GUIDELINES. ALL CONNECTIONS, INCLUDING UPLIFT, ARE THE TRUSS MANUFACTURER'S RESPONSIBILITY U.N.O., WHEN TRUSS MANUFACTURER'S DO NOT PROVIDE THE REQUIRED CONNECTORS IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE E.O.R. FOR DIRECTIVES. A MINIMUM OF (1) SIMPSON H2.5A CLIP IS RECOMMENDED AT EACH END OF COMMON TRUSSES.
- . IN ADDITION TO THE CODE'S FASTENER SCHEDULE, UNLESS NOTED PER PLAN, ROOF MEMBERS SHALL BE TIED DOWN WITH METAL FASTENERS AS FOLLOWS:
- A) STICK FRAME RAFTERS EXCEEDING 10' IN LENGTH MEASURED HORIZONTAL SPAN AND ALL OTHER ROOF UNENCLOSED AREAS SUCH AS PORCHES USE SIMPSON H2.5A CLIPS EVERY 48" O.C. OR AT EVERY 3RD RAFTER TO FASTEN THE LOWER RAFTER END TO THE BEARING PLATE. B) ALL LOWER ENDS OF VALLEY/HIP MEMBERS WHICH BEAR ON TOP PLATE USE
- SIMPSON HCP OR EQUIVALENT CONNECTION.
- 3. ALL RAFTERS SHALL BE 2X6 SPF#2 @ 16" O.C. @ UP TO 12FT HORIZONTAL SPAN FOR SHINGLES U.N.O. WITH MINIMUM 7/16" OSB SHEATHING AND UNDERLAYMENT PER R905.2.2. TILE, SLATE AND OTHER HEAVY COVERINGS REQUIRE 2X8 SPF#2 @ 16" O.C. WITH MINIMUM 3/4" OSB SHEATHING AND UNDERLAYMENT PER R905.2.2 OR AS DIRECTED PER THE COVERING MANUFACTURER'S SPECIFICATIONS. ALL RAFTERS SHALL BE CUT INTO HIPS, VALLEYS, RIDGES ETC U.N.O. RAFTERS SHALL BE INSTALLED IN ALIGNMENT AT OPPOSING SIDES OF RIDGE, HIP, VALLEY ETC U.N.O. REFERENCE TABLE R602.3(1) FOR RAFTER AND COLLAR TIE CONNECTIONS. COLLAR TIES SHALL CONSIST OF 2X6 SP/SPF#2 APPLIED @ 1/3 H OF ROOF HEIGHT BELOW ALL RIDGES @ 48" O.C. OR EVERY 3RD RAFTER. VAULTED CEILINGS REQUIRE SPECIAL COLLAR TIE DETAILS OR STRUCTURAL RIDGE BEAMS. SEE FIGURE R802.5.1 AND RAFTER HOG DETAILS UNLESS OTHERWISE DETAILED PER PLAN. RAFTERS MAY BE SPLICED OVER HOG BRACES IN OVERLAP FORM.
- 4. ALL HIPS, VALLEYS AND RIDGE MEMBERS ARE TO BE MINIMUM 2X10 SPF#2 U.N.O. 5. GABLE END WALLS MUST BE BRACED PARALLEL TO RIDGES WITH 2X6 DIAGONAL BRACING @ 6FT O.C. ALONG GABLE WALL FACE TO INTERIOR CEILING JOISTS. BRACES SHALL BE APPLIED AT 45° TO APPROXIMATE MID-HEIGHT OF GABLE
- FRAMING TO BEAR ON (2) 2X6 HOG BRACE WITH 5-16d NAILS AT EACH END. 6. WHEN CEILING JOISTS ARE ISNTALLED PARALLEL TO GABLE WALLS, INSTALL 2X4 (8FT) STRONG-BACKS BUTTED INTO GABLE FACE AND ALONG TOP OF CEILING JOIST MEMBERS. ATTACH WITH (3) 8D NAILS TO GABLE AND OVERLAPPED CEILING IOISTS.
- 7. CEILING JOIST INSTALLED PARALLEL TO RAFTERS SHALL BE "SISTERED" TO RAFTERS AND FASTENED PER NCRC R602.3(1) AND TABLE R802.5.1(9). WHERE CEILING JOIST CANNOT BE "SISTERED" AND A KNEE-WALL IS USED, RAFTERS MUST BE TIED BACK TO THE CEILING JOISTS USING 2X4 ANGLE RAFTER TIES @ 48" O.C. MAX OR EVERY 3RD RAFTER.
- 8. AT VAULTED ROOF, INSTALL 6'-0" LONG CS-16 OR EQUIVALENT STRAP AT 4'-0" ON CENTER OVER RIDGE BEAM TO ADJACENT RAFTERS.
- 9. AT ROOF RAFTER TO STRUCTURAL RIDGE BEAM OR LEDGER CONNECTION, PROVIDE SIMPSON SLOPED HANGER OR A36 ON EACH SIDE.
- 10. WHERE RIDGE BEAMS ARE SUPPORTED BY STRUT, INSTALL A34 CLIP AT STRUT TO EACH RIDGE BEAM AND AT STRUT TO FRAMING MEMBER BELOW.
- 11. AT DOUBLE RAFTERS, PROVIDE RAFTER TIE AND COLLAR TIE ON EACH SIDE OF THE RAFTERS.

STUD WALL SCHEDULE

| | STUD WALL SCHEDULE | | | | | |
|----------------------|--------------------|-----------------|-----------------|-----------------|--|--|
| | WALL | LEVEL | 2ND FLOOR | 1ST FLOOR | | |
| | TYPE | MAX. HEIGHT | 9'-0" | 10'-0" | | |
| | EXTERIOR WALL | | 2x6 AT 16" O.C. | 2x6 AT 16" O.C. | | |
| INTERIOR SINGLE WALL | | 2x4 AT 16" O.C. | 2x4 AT 16" O.C. | | | |
| | STUD GRADE | | SPF NO. 2 | SPF NO. 2 | | |

| BALLOON FRAMED STUD WALL SCHEDULE | | | | |
|-----------------------------------|------------------------------|--|--|--|
| HEIGHT | EXTERIOR | INTERIOR | | |
| 9' | 2x6 AT 16" O.C. | 2x4 AT 16" O.C. | | |
| 10' | 2x6 AT 16" O.C. | 2x4 AT 16" O.C. | | |
| 11' | 2x6 AT 16" O.C. | 2x4 AT 16" O.C. | | |
| 12' | 2x6 AT 16" O.C. | 2x4 AT 12" O.C. | | |
| 13' | 2x6 AT 16" O.C. | 2x4 AT 12" O.C. | | |
| 14' | 2x6, SPF NO.1 AT 16" O.C. | 2x4, SPF NO.1, AT 8" O.C. OR 2x6, SPF NO.1, AT 16" O.C. | | |
| 15' | 2x6, SPF NO.1 AT 16" O.C. | 2x4, SPF NO.1, AT 8" O.C. OR 2x6, SPF NO.1, AT 16" O.C. | | |

AT SHEARWALL, REFER PLAN AND SCHEDULE ON DETAIL 6/SW2 FOR MINIMUM STUD WIDTH AT EDGE NAILING REQUIREMENT.

LEDGER CONNECTION

ROOF: 2x MATCH OR (1) SIZE LARGER THAN RAFTER ATTACHED W/ (3) 16d NAILS @ 16" O.C. INTO STUD CENTERS OR SOLID SUPPORTED BLOCKING U.N.O.

UNINHABITABLE ATTIC CEILING: 2x MATCH OR (1) SIZE LARGER THAN JOIST ATTACHED W/ (3) 16d NAILS @ 16" O.C. INTO STUD CENTERS OR SOLID SUPPORTED BLOCKING OR BAND MATERIAL U.N.O.

FLOOR: 2x MATCH OR (1) SIZE LARGER THAN JOIST ATTACHED W/ (4) 16d NAILS @ 16" O.C. INTO STUD CENTERS OR SOLID SUPPORTED BLOCKING OR BAND MATERIAL U.N.O.

DECK: 2x P.T. MATCH OR (1) SIZE LARGER THAN DECK JOIST W/ (3) 1/4" DIA. x 5" LONG SDS SCREWS @ 12" O.C.

| NCRC TABLE R602.7.5 MIN. NUMBER OF FULL HEIGHT KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS | | | | |
|--|--|--|--|--|
| HEADER SPAN (feet) | MIN. NUMBER OF FULL HEIGHT STUDS (King) | | | |
| UP TO 3' | 1 | | | |
| >3' TO 6' | 2 | | | |
| >6' TO 9' | 3 | | | |
| >9' TO 12' | 4 | | | |
| >12' TO 15' | 5 | | | |
| | | | | |

HEADERS SHALL BE SUPPORTED ON EACH END WITH ONE OR MORE JACK STUDS OR WITH APPROVED FRAMING ANCHORS IN ACCORDANCE WITH TABLE R602.7(1) OR R602.7(2). THE FULL HEIGHT STUD ADJACENT TO EACH END OF THE HEADER SHALL BE END NAILED TO EACH END OF THE HEADER WITH FOUR-16D NAILS (3.5 INCHES X 0.135 INCHES). THE MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF A HEADER SHALL BE IN ACCORDANCE WITH TABLE R602.7.5.

SEE GENERAL FRAMING CONSTRUCTION NOTES FOR ADDITIONAL HEADER INSTALLATION REQUIREMENT.

WOOD CONSTRUCTION CONNECTORS C-C-2024

ASTENERS MISS DOUBLE STUDS, PROVID 2-2X8 BLOCKING BETWEEN STUDS AND SUPPORT BLOCKING w/ 2X4X16" NAILED TO SIDE OF DOUBLED STUDS w/ 8-16D NAIL

🕂 SDW SCREW

INSTALLED FROM

- TWO-PL

– FOUR–PLY

6¾" - FIVE-PLY

BOTH SIDES

FROM SUPPORT MEMBER OF

STUDS @ 16" O.(

SIX—PLY

THREE-PL

OPPOSITE SIDE

SDW SCREW

EXISTING CONSTRUCTION/CONDITIONS:

- 1. SHORING: THE CONTRACTOR SHALL PROVIDE SHORING WHEREVER NECESSARY TO ALLOW INSTALLATION OF THE WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF ALL SHORING AND TEMPORARY WORK REQUIRED THROUGHOUT THE PROGRESS OF THE WORK.
- 2. EXISTING CONSTRUCTION: EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS WAS OBTAINED FROM LIMITED VISUAL OBSERVATIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY THE STRUCTURAL ENGINEER OF RECORD OF ALL EXCEPTIONS AND RECEIVE DIRECTION PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
- 3. DEMOLITION: THE REMOVAL, CUTTING, DRILLING. ETC. OF EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE AND WITH APPROPRIATE TOOLS IN ORDER TO NOT JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. SEE ARCHITECTURAL DRAWINGS FOR REQUIRED DEMOLITION.
- 4. IT IS ASSUMED THAT THE STRUCTURAL CONDITION OF THE FOUNDATION SYSTEM AND EXISTING FRAMING TO REMAIN IS IN SOUND CONDITION AND NO UPGRADES ARE NEEDED.

STRAP LOCATION.

| L HAN | IGERS |
|-------|-------------|
| | HANGER |
| | LUS28 |
| | LUS210 |
| | LUS210 |
| | MIU2.56/11 |
| | MIU2.56/14 |
| | MIU2.56/16 |
| | HUS28-2 |
| | HUS210-2 |
| | HUS212-2 |
| | LUS28-3 |
| | LUS210-3 |
| | LUS210-3 |
| | HGUS410 |
| LVL | HGUS414 |
| | HGUS5.50/10 |
| | HGUS5.50/12 |
| LVL | HGUS5.50/14 |
| | HGUS7.25/10 |
| | HGUS7.25/12 |
| LVL | HGUS7.25/14 |

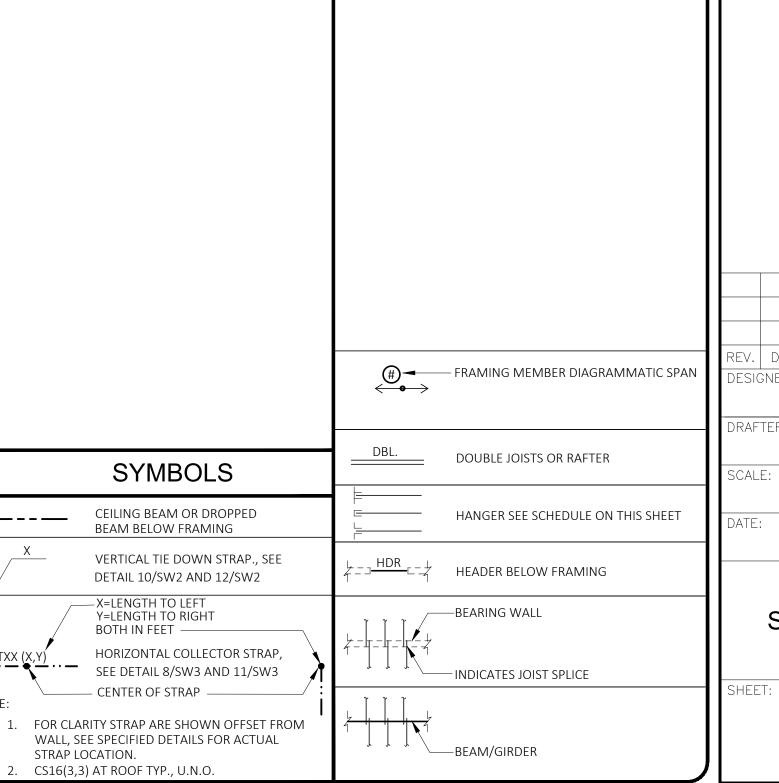
1. INSTALL PER MANUFACTURE'S INSTRUCTIONS. FILL ALL 2. USE SKEWED AND/OR SLOPED HANGERS AS REQUIRED. 3. HANGERS ARE TYPICAL U.N.O. IN DRAWINGS. 4. SCHEDULE ABOVE BASED ON SIMPSON STRONG TIE

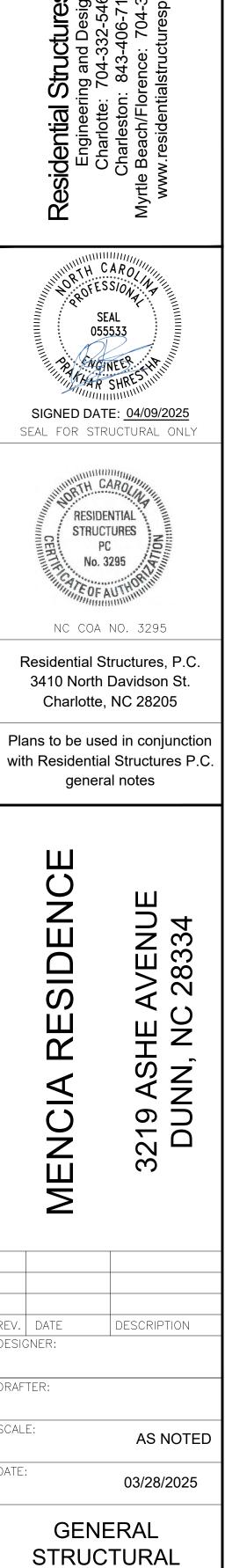
 $\nabla \pi$ DROP IN FLOOR ELEVATION SLOPED FINISH SEE SLOPE ARCHITECTURAL DRAWING DEPRESSED FLOOR ____ NEW CONTINUOUS FOUNDATION UNDER STRUCTURAL WALL SPREAD FOOTING CONCRETE CURB OR HIGH STEM ----- S STEP IN FOOTING, SEE DETAIL 7/SF1 **BUILT-UP FLOOR AT FLOOR** FRAMING PLAN AND VALLEY FRAMING AT ROOF FRAMING PLAN TH CARO FESSION " SFAL CONTINUOUS WOOD 055533 MEMBER IN SECTION P AVGINEER THAR SHRE WOOD BLOCKING MEMBER IN SECTION POST ABOVE FRAMING \boxtimes POST BELOW FRAMING RESIDENTIAL STRUCTURES \boxtimes POST ABOVE AND BELOW FRAMING PC No. 3295 WALLS ABOVE FOR ANCHOR BOLT REQUIREMENTS SEE 8/SW2 WALLS BELOW FLOOR/ ROOF FRAMING SEE 1/SW1 **N N** S Ш M \mathbf{O} Z Ш \geq REV. DATE (#) - FRAMING MEMBER DIAGRAMMATIC SPAN DESIGNER: $\leftarrow \bullet \rightarrow$ DRAFTER: DBL. DOUBLE JOISTS OR RAFTER SCALE:

SYMBOLS

DETAIL NUMBER

SHEET NUMBER





NOTES

GN2

FOUNDATION NOTES:

ALL DIMENSIONS SHALL BE VERIFIED AGAINST ARCHITECTURAL PLANS.

- 2. ALL DIMENSIONS ARE TO THE OUTSIDE EDGE OF FRAMING. GENERAL CONTRACTOR TO ADJUST CONC. FTG. LOCATION TO ACCOMODATE BRICK VENEER.
- 3. SEE DETAILS FOR TYPICAL FOUNDATION
- REINFORCEMENT TRANSFER ALL POINT LOADS ABOVE TO FOUNDATION 4.
- WITH AN EQUAL NUMBER OF STUDS ALL CONCRETE TO BE 3000 PSI (MIN) 5.
- 6. SOIL TO HAVE A MIN 2000 PSF BEARING CAPACITY
- ALL FOOTINGS TO BEAR MIN 12" BELOW GRADE OR AS RECOMMENDED PER GEOTECHNICAL EVALUATION
- 8. ALL PIERS TO BE 8"x16"CMU PIERS ON 24"x32"x10" CONC. FTG. U.N.O.
- 9. 4" BEAM POCKET OR 8"x16" CMU PIER TYPICAL AT GIRDER END SUPPORT TO FOUNDATION WALL U.N.O.

FOUNDATION LEGEND: MIN PIER SIZE, INCREASE SIZE AS NECESSARY FOR HEIGHT BASED ON CODE REQUIREMENTS

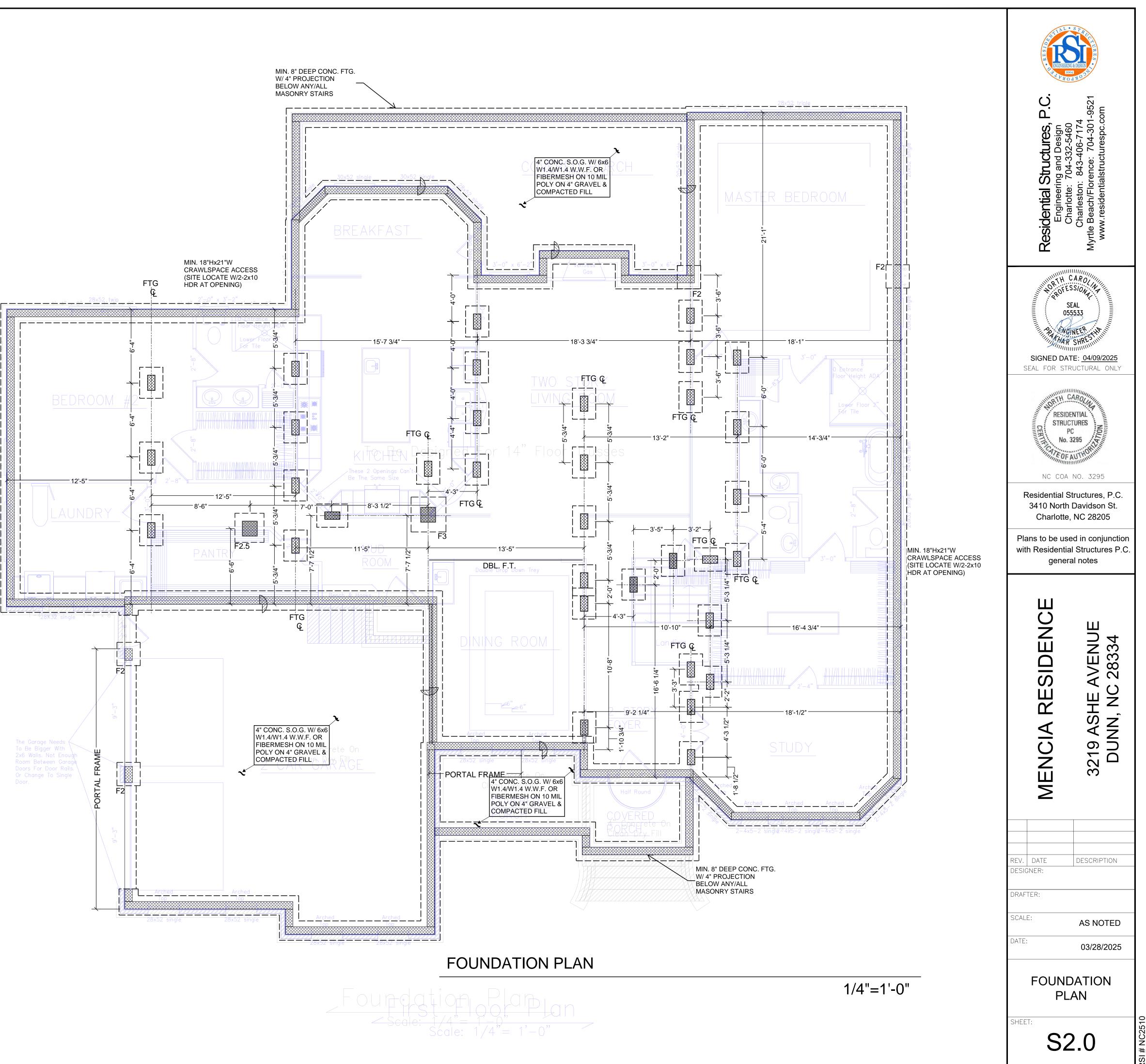
- = 8x16 CMU PIER
- = 8x16 CMU PIER (FLUSH)
- = 16x16 CMU PIER

= 16x16 CMU PIER (FLUSH)

CENTER LINE _____

| FOOTING SCHEDULE | | | | | | | | |
|------------------|-------------|--|--|--|--|--|--|--|
| MARK | SIZE | REBAR | | | | | | |
| F2 | 24"X24"X12" | (3) #4'S EACH WAY OR: (2) #5'S EACH WAY | | | | | | |
| F2.5 | 30"X30"X12" | (4) #4'S EACH WAY OR: (3) #5'S EACH WAY | | | | | | |
| F3 | 36"X36"X12" | (5) #4'S EACH WAY OR: (3) #5'S EACH WAY | | | | | | |
| F3.5 | 42"X42"X12" | (6) #4'S EACH WAY OR: (4) #5'S EACH WAY | | | | | | |
| F4 | 48"X48"X12" | (6) #4'S EACH WAY OR: (4) #5'S EACH WAY | | | | | | |
| F4.5 | 54"X54"X12" | (7) #4'S EACH WAY OR: (5) #5'S EACH WAY | | | | | | |
| F5 | 60"X60"X12" | (6) #5'S EACH WAY | | | | | | |

MIN. 18"Hx21"W CRAWLSPACE ACCESS (SITE LOCATE W/2-2x10 HDR AT OPENING)



1ST FLOOR FRAMING NOTES

- ALL FLOOR SECTIONS TO BE SHEATHED W/ 19/32" OSB ATTACHED TO ALL FRAMING MEMBERS W/ 10d NAILS @ 6" O.C. EDGE AND 12" MAX O.C. FIELD
- 2. ALL JOISTS TO BE 2x10 (SPF #2) @ 16" O.C. U.N.O
- ALL GIRDERS TO BE 3-2x10 (SPF #2) DROP GIRDERS U.N.O. 4. AT INTERIOR PARTITION WALLS, INSTALL DOUBLE JOIST OR FLAT 2x4 BLOCKING AT 16" O.C. W/ Z CLIP AT EACH
- END TRANSFER ALL POINT LOADS FROM ABOVE THROUGH
- FLOOR SYSTEMS w/ AN EQUAL AMOUNT OF STUD MATERIAL
- 6. ALL HOLDOWNS REFERENCED ARE SIMPSON PRODUCTS U.N.O. 7. ALL EXTERIOR WALLS TO BE SHEATHED W/ 7/16" OSB
- ATTACHED TO FRAMING W/ 8d NAILS @ 6" O.C. EDGE AND 12" O.C. FIELD. PROVIDE GYPSUM BOARD SHEATHING ON THE INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS CONFORMING TO CS-WSP BRACING METHOD PER CODE U.N.O. PROVIDE BLOCKING @ ALL PANEL SPLICES
- 8. ALL HEADERS NOTED TO BE PORTAL FRAMED PER METHOD "PF" AND SHALL BE IN ACCORDANCE W/ THE 2018 NCRC (U.N.O.)
- 9. ALL WALLS NOTED TO BE SHEATHED PER METHOD "GB" SHALL BE SHEATHED ON BOTH SIDES W/ MIN. 1/2" GYPSUM BOARD ATTACHED TO FRAMING W/ 5d COOLER NAILS OR #6 SCREWS @ 7" O.C. ALONG THE EDGES AND IN THE FIELD. PROVIDE BLOCKING AT ALL PANEL SPLICES.
- 10. AT EXTERIOR RIM BEAM PARALLEL TO JOIST, PROVIDE FULL DEPTH 2X BLOCKING AT 48" O.C. U.N.O. EDGE NAIL FLOOR DIAPHRAGM TO BLOCKING AT 6" O.C.
- 11. ALL LOAD BEARING HEADERS TO BE 2-2x10 AT 2x4 WALL AND 3-2x8 AT 2X6 WALLS U.N.O. W/ A MIN. OF 2 JACK STUDS AND KING STUDS PER SCHEDULE U.N.O. SEE SHEET GN1 FOR ADDITIONAL REQUIREMENTS
- 12. ALL WATER PROOFING MATERIALS, METHODS AND INSTALLATION FOR WATER TIGHT CONDITIONS IS THE FULL RESPONSIBILITY OF THE BUILDER TO COORDINATE THE BUILDER SHOULD REFER TO CODE REQUIREMENTS AND ALL MANF. INSTALLATION GUIDELINES PER CORRESPONDING APPLICATIONS

FRAMING LEGEND

- D.J. = DOUBLE JOIST
- BEARING WALL ABOVE. PROVIDE BLOCKING b/n B.W.A. = JOISTS/TRUSSES
- # OF JACK STUDS AND # OF KING STUDS @ #J#KE.E. = EACH END
- = INTERIOR BEARING WALL
- NUMBER OF STUDS. STUDS TO BE SAME SIZE AS ASSOCIATED WALL FRAMING STUDS U.N.O. $\langle \# \rangle$ = NOTE: STUD COUNTS DO NOT ACCOUNT FOR KING STUDS. SEE KING STUD CHART FOR REQUIRED KING STUDS.
- B.W.P. = BRACED WALL PANEL. PROVIDE 7/16" SHEATHING W/ 6" O.C. E.N. AND 12" O.C. F.N. PROVIDE BLOCKING @ ALL PANEL SPLICES. PROVIDE TOP AND BOTTOM ATTACHMENT PER 2018 NCRC SECTION R602.10. PROVIDE GYPSUM BOARD SHEATHING ON THE OTHER SIDE OF WALL w/ MIN. ¹/₂" GYPSUM BOARD ATTACHED TO FRAMING w/ 5d COOLER NAILS OR #6 SCREWS @ 7" O.C. ALONG THE EDGES & IN THE FIELD. PROVIDE BLOCKING @ ALL PANEL SPLICES.

REFER DET. 6/SW2 SHEARWALL TYPE 6 FOR SHEAR CLIP AND ANCHOR BOLT SPACING, AND ADDITIONAL INFORMATION.

FOUNDATION LEGEND: MIN PIER SIZE, INCREASE SIZE AS NECESSARY FOR HEIGHT BASED ON CODE REQUIREMENTS

- = 8x16 CMU PIER
- = 8x16 CMU PIER (FLUSH)
 - = 16x16 CMU PIER
 - = 16x16 CMU PIER (FLUSH)

NOTE: **PROVIDE BLOCKING ABOVE ALL INTERIOR** WALLS SHEATHED PER METHOD "GB"

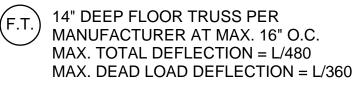
NOTE: ALL DECKING TO BE CONSTRUCTED PER APPENDIX "M" OF THE 2018 NCRC

NOTE: PROTECT LVL'S FROM THE ELEMENTS OR USE PRESSURE TREATED LVL'S (TYP.)

NOTE: ALL DIMENSIONAL LUMBER EXPOSED TO

THE ELEMENTS TO BE (SP #2) PRESSURE TREATED (TYP.)

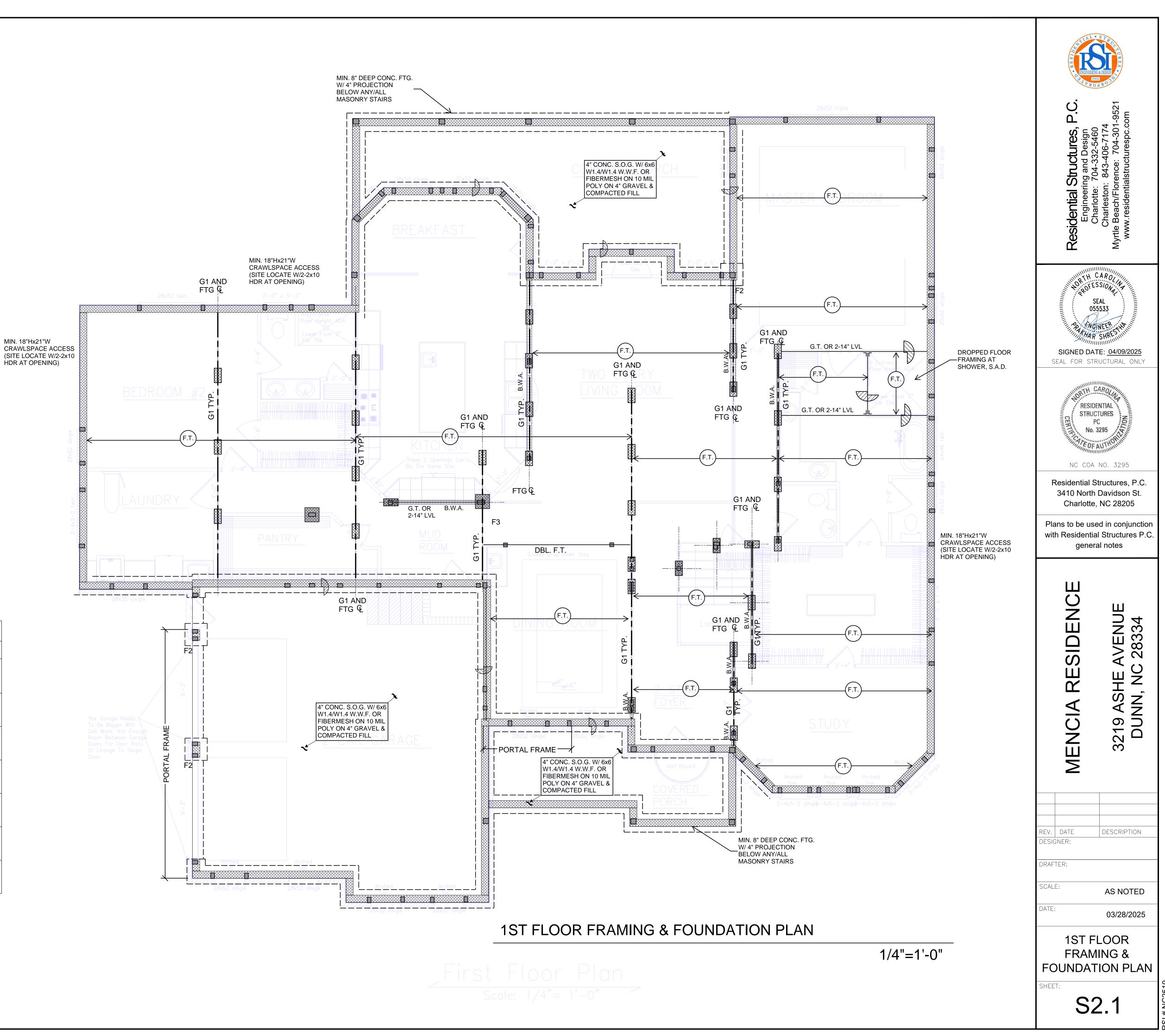
FRAMING LEGEND



AT ALL KITCHEN COUNTER AND KITCHEN ISLAND, APPLY AN ADDITIONAL 25 PSF DEAD LOAD

AT BATHROOM APPLY AN ADDITIONAL 5 PSF DEAD LOAD

- G1 3-2x10 SPF#2 GIRDER



| FOOTING SCHEDULE | | | | | | |
|--------------------|-------------|--|--|--|--|--|
| /IARK | SIZE | REBAR | | | | |
| └┘ F2 | 24"X24"X12" | (3) #4'S EACH WAY OR: (2) #5'S EACH WAY | | | | |
| F2.5 | 30"X30"X12" | (4) #4'S EACH WAY OR: (3) #5'S EACH WAY | | | | |
| └」 F3 | 36"X36"X12" | (5) #4'S EACH WAY OR: (3) #5'S EACH WAY | | | | |
| F3.5 | 42"X42"X12" | (6) #4'S EACH WAY OR: (4) #5'S EACH WAY | | | | |
| ┌─── └──」 F4 | 48"X48"X12" | (6) #4'S EACH WAY OR: (4) #5'S EACH WAY | | | | |
| F4.5 | 54"X54"X12" | (7) #4'S EACH WAY OR: (5) #5'S EACH WAY | | | | |
| ┌──┐ └──」 F5 | 60"X60"X12" | (6) #5'S EACH WAY | | | | |



2ND FLOOR FRAMING NOTES

- ALL FLOOR SECTIONS TO BE SHEATHED W/ 19/32" OSB ATTACHED TO ALL FRAMING MEMBERS W/ 10d NAILS @ 6" O.C. EDGE AND 12" MAX O.C. FIELD
- 2. AT CLIP LINES, CEILING JOISTS TO BE NAILED TO RAFTERS W/ (5) 16d NAILS U.N.O. 3. AT INTERIOR PARTITION WALLS, INSTALL DOUBLE JOIST
- OR FLAT 2X4 BLOCKING AT 16" O.C. W/ Z CLIP AT EACH END
- TRANSFER ALL POINT LOADS FROM ABOVE THROUGH 4. FLOOR SYSTEMS W/ AN EQUAL AMOUNT OF STUD MATERIAL
- 5. ALL HOLDOWNS REFERENCED ARE SIMPSON PRODUCTS U.N.O.
- 6. ALL EXTERIOR WALLS TO BE SHEATHED W/ 7/16" OSB ATTACHED TO FRAMING W/ 8d NAILS @ 6" O.C. EDGE AND 12" O.C. FIELD. PROVIDE GYPSUM BOARD SHEATHING ON THE INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS CONFORMING TO CS-WSP BRACING METHOD PER CODE U.N.O. PROVIDE BLOCKING @ ALL PANEL SPLICES
- ALL HEADERS NOTED TO BE PORTAL FRAMED PER METHOD "PF" AND SHALL BE IN ACCORDANCE W/ THE 2018 NCRC (U.N.O.) PROVIDE BLOCKING @ ALL PANEL SPLICES.
- ALL WALLS NOTED TO BE SHEATHED PER METHOD "GB" 8. SHALL BE SHEATHED ON BOTH SIDES W/ MIN. 1/2" GYPSUM BOARD ATTACHED TO FRAMING W/ 5d COOLER NAILS OR #6 SCREWS @ 7" O.C. ALONG THE EDGES AND IN THE FIELD. PROVIDE BLOCKING AT ALL PANEL SPLICES. 9. AT EXTERIOR RIM BEAM PARALLEL TO JOIST, PROVIDE
- FULL DEPTH 2x BLOCKING AT 48" O.C. U.N.O. EDGE NAIL FLOOR DIAPHRAGM TO BLOCKING AT 6" O.C.
- 10. ALL LOAD BEARING HEADERS TO BE 2-2x10 AT 2x4 WALL AND 3-2x8 AT 2x6 WALLS U.N.O. W/ A MIN. OF 2 JACK STUDS AND KING STUDS PER SCHEDULE U.N.O. SEE SHEET GN1 FOR ADDITIONAL REQUIREMENTS
- 11. EXTERIOR WALLS ARE MIN. 2x6 AND INTERIOR WALLS ARE MIN. 2x4 AT 16" O.C. U.N.O.
- 12. ALL WATER PROOFING MATERIALS, METHOD INSTALLATION FOR WATER TIGHT CONDITION FULL RESPONSIBILITY OF THE BUILDER TO (THE BUILDER SHOULD REFER TO CODE REQ AND ALL MANUF. INSTALLATION GUIDELINES CORRESPONDING APPLICATIONS

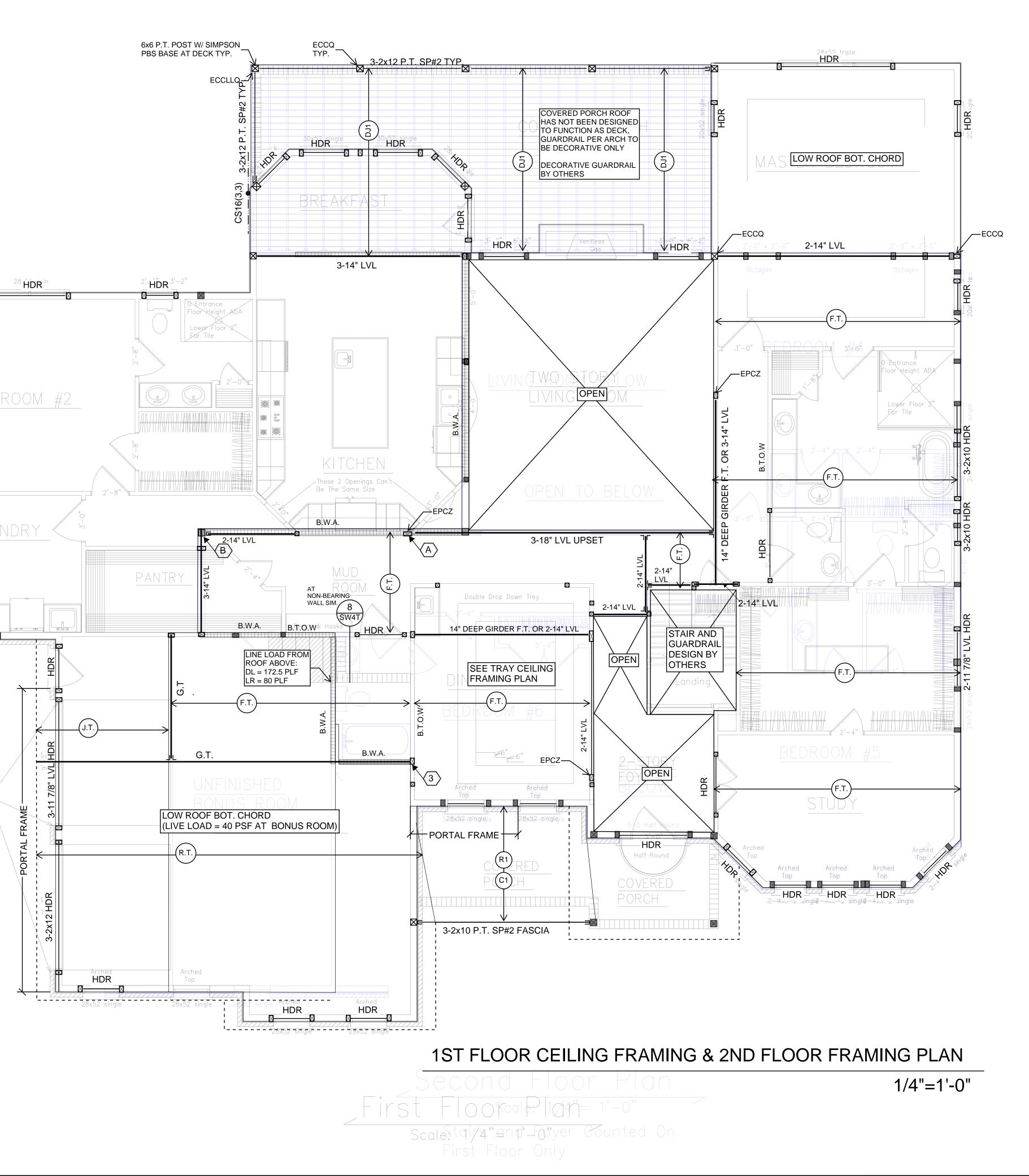
FRAMING LEGEND

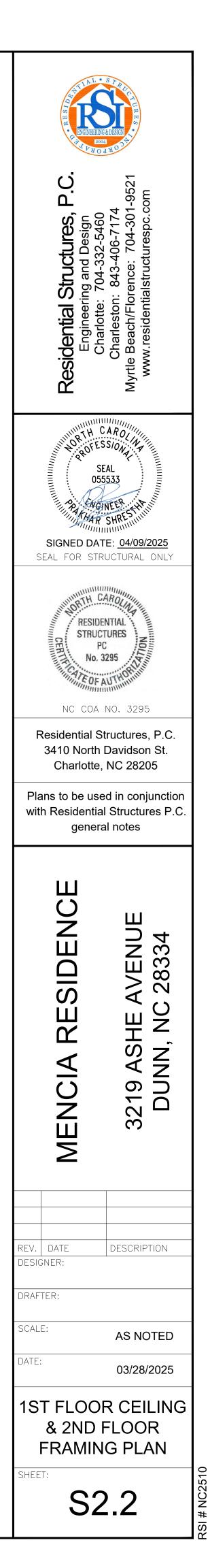
TREATED (TYP.)

CEILING FRAMING NOTES

- FOR CEILING JOIST TO CEILING BEAM CONNECTION, USE HANGER PER TYP. HANGER SCHEDULE
- 2. PROVIDE DBL 2x8 AROUND ATTIC ACCESS OPENING U.N.O.
- 3. TRANSFER ALL POINT LOADS FROM ABOVE THROUGH FLOOR SYSTEMS W/ AN EQUAL AMOUNT OF STUD MATERIAL
- 4. ALL HOLDOWNS REFERENCED ARE SIMPSON PRODUCTS U.N.O.
- ALL EXTERIOR WALLS TO BE SHEATHED W/ 7/16" OSB ATTACHED TO FRAMING W/ 8d NAILS @ 6" O.C. EDGE AND 12" O.C. FIELD. PROVIDE GYPSUM BOARD SHEATHING ON THE INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS CONFORMING TO CS-WSP BRACING METHOD PER CODE U.N.O. PROVIDE BLOCKING @ ALL PANEL SPLICES.
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- AT EXTERIOR RIM BEAM PARALLEL TO JOIST, PROVIDE FULL DEPTH 2x BLOCKING AT 48" O.C. U.N.O. EDGE NAIL FLOOR DIAPHRAGM TO BLOCKING AT 6" O.C.
- ALL LOAD BEARING HEADERS TO BE 2-2x8 AT 2x4 WALL AND 3-2x6 AT 2X6 WALLS U.N.O. W/ A MIN. OF 2 JACK STUDS AND KING STUDS PER SCHEDULE U.N.O. SEE SHEET GN1 FOR ADDITIONAL REQUIREMENTS
- 10. EXTERIOR WALLS ARE MIN. 2x6 AND INTERIOR WALLS ARE MIN. 2x4 AT 16" O.C. U.N.O.
- 11. ALL WATER PROOFING MATERIALS, METHODS AND INSTALLATION FOR WATER TIGHT CONDITIONS IS THE FULL RESPONSIBILITY OF THE BUILDER TO COORDINATE. THE BUILDER SHOULD REFER TO CODE REQUIREMENTS AND ALL MANF. INSTALLATION GUIDELINES PER

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|---|--|---|
| RAMING LEGEND D.J.=DOUBLE JOISTB.W.A.=BEARING WALL ABOVE. PROVIDE BLOCKING b/n JOISTS/TRUSSESB.T.O.W.=BRACE FLOOR TRUSS/JOIST ON WALL#J#KE.E.=# OF JACK STUDS AND # OF KING STUDS @ EACH ENDImage: Colspan="2">Image: Colspan="2">Colspan="2"D.J.=BEARING WALL ABOVE. PROVIDE BLOCKING b/n JOISTS/TRUSSESB.T.O.W.=BRACE FLOOR TRUSS/JOIST ON WALL#J#KE.E.=# OF JACK STUDS AND # OF KING STUDS @ EACH ENDImage: Colspan="2">Image: Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"#J#KE.E.=Image: Colspan="2">Image: Colspan="2"Image: Colspan="2">Image: Colspan="2"Sassociated WallImage: Colspan="2">Image: Colspan="2"Image: Colspan="2">Image: Colspan="2"Image: Colspan="2">Image: Colspan="2"Image: Colspan="2">Image: Colspan="2"Image: Colspan="2">Image: Colspan="2"Image: Colspan="2">Image: Colspan="2"Image: Colspan="2"Image: Colspan="2"Image: Colspan="2" <t< th=""><th>FRAMING LEGEND Image: Construct of the state of th</th><th></th></t<> | FRAMING LEGEND Image: Construct of the state of th | |
| B.W.P. = BRACED WALL PANEL. PROVIDE 7/16" SHEATHING W/ 6" O.C. E.N. AND 12" O.C. F.N. PROVIDE BLOCKING @ ALL PANEL SPLICES. PROVIDE TOP AND BOTTOM ATTACHMENT PER 2018 NCRC SECTION R602.10. PROVIDE GYPSUM BOARD SHEATHING ON THE OTHER SIDE OF WALL w/ MIN. ¹ / ₂ " GYPSUM BOARD ATTACHED TO FRAMING W/ 5d COOLER NAILS OR #6 SCREWS @ 7" O.C. ALONG THE EDGES & IN THE FIELD. PROVIDE BLOCKING @ ALL PANEL SPLICES. REFER DET. 6/SW2 SHEARWALL TYPE 6 FOR SHEAR CLIP AND ANCHOR BOLT SPACING, AND ADDITIONAL INFORMATION. NOTE: PROVIDE BLOCKING ABOVE ALL INTERIOR WALLS SHEATHED PER METHOD "GB" NOTE: ATTACH ALL RAFTERS/HIPS/VALLEYS TO STRUCTURAL RIDGES/BEAMS W/(2) SIMPSON L50'S OR SLOPEABLE HANGERS NOTE: ALL OVERFRAMED VALLEY/HIP/ROOF BEAMS TO BE 2X10 FLAT U.N.O. (TYP.) | <section-header></section-header> | The Garage Needs To Be Bigger With 2x6 Walls. Not Enorph Room Between Gar Doors For Door Ra Or Change To Singte Door. |
| NOTE: ALL DECKING TO BE CONSTRUCTED PER APPENDIX "M" OF THE 2018 NCRC | TRAY CEILING FRAMING PL 1/4"= | |
| NOTE: PROTECT LVL'S FROM THE ELEMENTS OR USE PRESSURE TREATED LVL'S (TYP.) NOTE: ALL DIMENSIONAL LUMBER EXPOSED TO THE ELEMENTS TO BE (SP #2) PRESSURE | | |





ROOF FRAMING NOTES

- ALL ROOF SECTIONS TO BE SHEATHED W/ 7/16" OSB ATTACHED TO ALL FRAMING MEMBERS W/ 8d NAILS @ 6" O.C. EDGE AND 12" MAX O.C. FIELD
- 2. SEE SHEET GN1 AND CEILING FRAMING PLAN FOR RAFTER TO CEILING JOIST CONNECTION 3. OVERBUILD/OVERFRAME W/ 2x6 (SPF #2) @ 16" O.C. PROVIDE 2x10 FLAT @ ROOF OVERFRAMING END
- SUPPORT AT INTERIOR PARTITION WALLS, INSTALL DOUBLE JOIST
- OR FLAT 2x4 BLOCKING AT 16" O.C. W/ Z CLIP AT EACH END TRANSFER ALL POINT LOADS FROM ABOVE THROUGH
- FLOOR SYSTEMS w/ AN EQUAL AMOUNT OF STUD MATERIAL
- 6. ALL HOLDOWNS REFERENCED ARE SIMPSON PRODUCTS U.N.O.
- ALL EXTERIOR WALLS TO BE SHEATHED W/ 7/16" OSB ATTACHED TO FRAMING W/ 8d NAILS @ 6" O.C. EDGE AND 12" O.C. FIELD. PROVIDE GYPSUM BOARD SHEATHING ON THE INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS CONFORMING TO CS-WSP BRACING METHOD PER CODE U.N.O. PROVIDE BLOCKING AT ALL PANEL SPLICES.
- 8. ALL HEADERS NOTED TO BE PORTAL FRAMED PER METHOD "PF" AND SHALL BE IN ACCORDANCE W/ THE 2018 NCRC (U.N.O.)
- ALL WALLS NOTED TO BE SHEATHED PER METHOD "GB" SHALL BE SHEATHED ON BOTH SIDES W/ MIN. 1/2" GYPSUM BOARD ATTACHED TO FRAMING W/ 5d COOLER NAILS OR #6 SCREWS @ 7" O.C. ALONG THE EDGES AND IN THE FIELD. PROVIDE BLOCKING AT ALL PANEL SPLICES.
- 10. AT EXTERIOR RIM BEAM PARALLEL TO JOIST, PROVIDE FULL DEPTH 2x BLOCKING AT 48" O.C. U.N.O. EDGE NAIL ROOF DIAPHRAGM TO BLOCKING AT 6" O.C.
- 11. ALL LOAD BEARING HEADERS TO BE 2-2x8 AT 2x4 WALL AND 3-2x6 AT 2x6 WALLS U.N.O. W/ A MIN. OF 2 JACK STUDS AND KING STUDS PER SCHEDULE U.N.O. SEE SHEET GN1 FOR ADDITIONAL REQUIREMENTS
- 12. EXTERIOR WALLS ARE MIN. 2x6 AND INTERIOR WALLS ARE MIN. 2x4 AT 16" O.C. U.N.O. 13. ALL WATER PROOFING MATERIALS, METHODS AND INSTALLATION FOR WATER TIGHT CONDITIONS IS THE FULL RESPONSIBILITY OF THE BUILDER TO COORDINATE THE BUILDER SHOULD REFER TO CODE REQUIREMENTS
- AND ALL MANF. INSTALLATION GUIDELINES PER CORRESPONDING APPLICATIONS 14. PROVIDE LRUZ OR LSSZ SLOPABLE AND SKEWABLE

HANGER AT EA. RAFTER TO RIDGE BEAM.

- FRAMING LEGEND
- B.B. = BEAM BELOW
- H.B. = HDR BELOW
- D.R. = DOUBLE RAFTER
- T.R. = TRIPLE RAFTER
- R.B. = RAFTER BRACE B.R.O.W. = BRACE RAFTERS/TRUSS ON WALL
- D.J. = DOUBLE JOIST BEARING WALL ABOVE. PROVIDE BLOCKING b/n B.W.A.
- JOISTS/TRUSSES # OF JACK STUDS AND # OF KING STUDS @ #J#KE.E. EACH END
- \searrow = ROOF BRACE POINT AND BRACE TO POINT
- = INTERIOR BEARING WALL NUMBER OF STUDS. STUDS TO BE SAME SIZE AS ASSOCIATED WALL FRAMING STUDS U.N.O. $\langle \# \rangle$ = NOTE: STUD COUNTS DO NOT ACCOUNT FOR
- KING STUDS. SEE KING STUD CHART FOR **REQUIRED KING STUDS.**
- B.W.P. = BRACED WALL PANEL. PROVIDE 7/16" SHEATHING W/ 6" O.C. E.N. AND 12" O.C. F.N. PROVIDE BLOCKING @ ALL PANEL SPLICES. PROVIDE TOP AND BOTTOM ATTACHMENT PER 2018 NCRC SECTION R602.10. PROVIDE GYPSUM BOARD SHEATHING ON THE OTHER SIDE OF WALL w/ MIN. ¹/₂" GYPSUM BOARD ATTACHED TO FRAMING w/ 5d COOLER NAILS OR #6 SCREWS @ 7" O.C. ALONG THE EDGES & IN THE FIELD. PROVIDE BLOCKING @ ALL PANEL SPLICES.

REFER DET. 6/SW2 SHEARWALL TYPE 6 FOR SHEAR CLIP AND ANCHOR BOLT SPACING, AND ADDITIONAL INFORMATION.

NOTE: PROVIDE BLOCKING ABOVE ALL INTERIOR WALLS SHEATHED PER METHOD "GB"

ATTACH ALL RAFTERS/HIPS/VALLEYS TO STRUCTURAL RIDGES/BEAMS W/(2) SIMPSON L50'S OR SLOPEABLE HANGERS

ALL OVERFRAMED VALLEY/HIP/ROOF BEAMS TO BE 2X10 FLAT U.N.O. (TYP.)

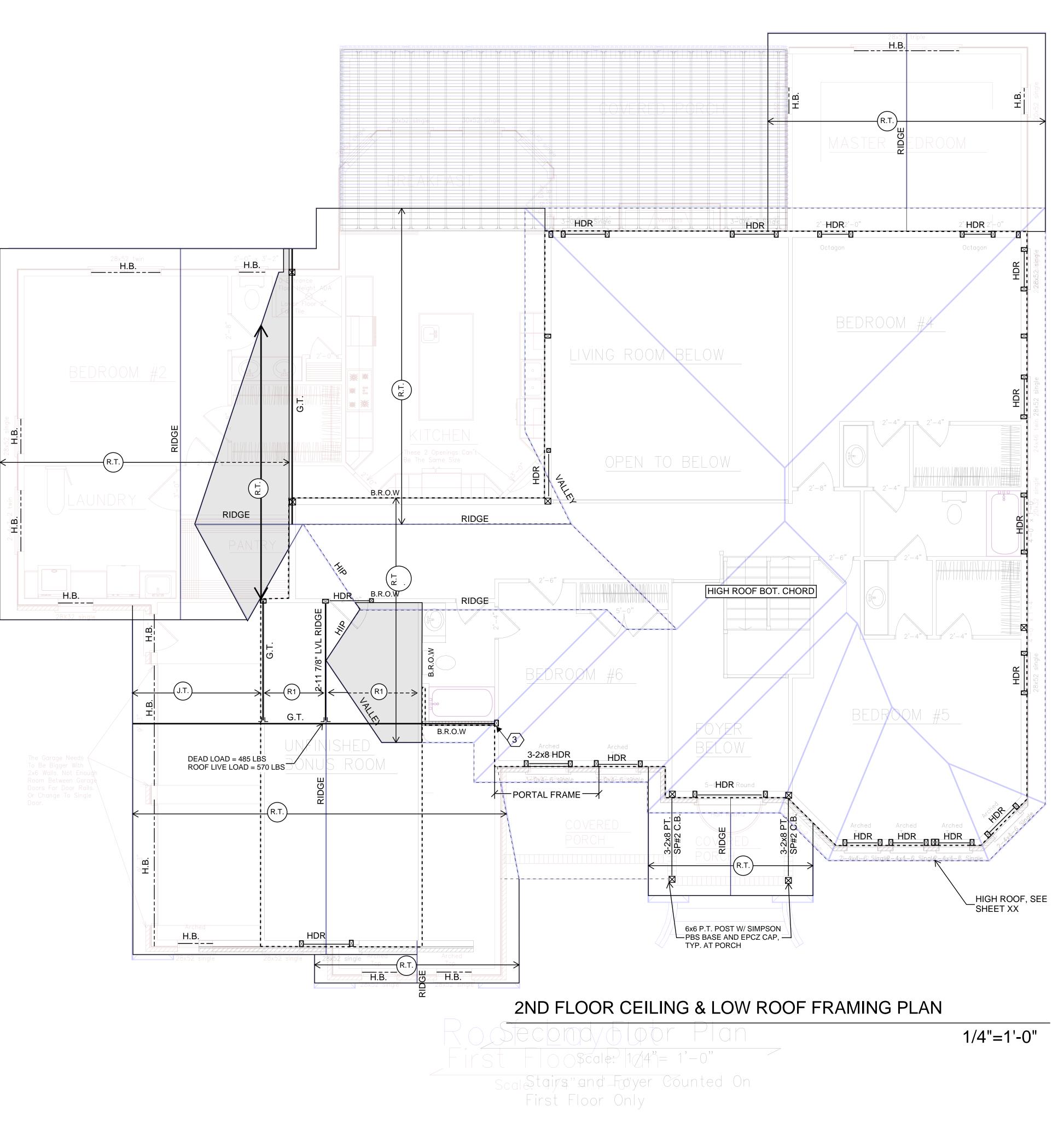
SEE SHEET FN1 FOR ALL FOUNDATION AND FRAMING NOTES, LEGEND, AND CHARTS

CEILING FRAMING NOTES

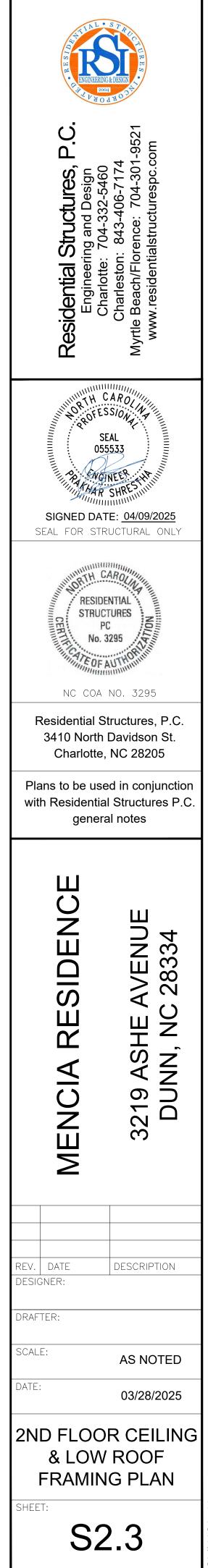
- FOR CEILING JOIST TO CEILING BEAM CONNECTION, USE HANGER PER TYP. HANGER SCHEDULE
- 2. PROVIDE DBL 2x8 AROUND ATTIC ACCESS OPENING U.N.O.
- 3. TRANSFER ALL POINT LOADS FROM ABOVE THROUGH FLOOR SYSTEMS W/ AN EQUAL AMOUNT OF STUD MATERIAL
- 4. ALL HOLDOWNS REFERENCED ARE SIMPSON PRODUCTS U.N.O.
- ALL EXTERIOR WALLS TO BE SHEATHED W/ 7/16" OSB ATTACHED TO FRAMING W/ 8d NAILS @ 6" O.C. EDGE AND 12" O.C. FIELD. PROVIDE GYPSUM BOARD SHEATHING ON THE INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS CONFORMING TO CS-WSP BRACING METHOD PER CODE U.N.O. PROVIDE BLOCKING @ ALL PANEL SPLICES.
- ALL HEADERS NOTED TO BE PORTAL FRAMED PER METHOD "PF" AND SHALL BE IN ACCORDANCE W/ THE 2018 NCRC (U.N.O.)
- ALL WALLS NOTED TO BE SHEATHED PER METHOD "GB" SHALL BE SHEATHED ON BOTH SIDES W/ MIN. 1/2" GYPSUM BOARD ATTACHED TO FRAMING W/ 5d COOLER NAILS OR #6 SCREWS @ 7" O.C. ALONG THE EDGES AND IN THE FIELD. PROVIDE BLOCKING @ ALL PANEL SPLICES.
- AT EXTERIOR RIM BEAM PARALLEL TO JOIST, PROVIDE 8. FULL DEPTH 2x BLOCKING AT 48" O.C. U.N.O. EDGE NAIL FLOOR DIAPHRAGM TO BLOCKING AT 6" O.C.
- ALL LOAD BEARING HEADERS TO BE 2-2x8 AT 2x4 WALL AND 3-2x6 AT 2X6 WALLS U.N.O. W/ A MIN. OF 2 JACK STUDS AND KING STUDS PER SCHEDULE U.N.O. SEE SHEET GN1 FOR ADDITIONAL REQUIREMENTS
- 10. EXTERIOR WALLS ARE MIN. 2x6 AND INTERIOR WALLS ARE MIN. 2x4 AT 16" O.C. U.N.O.
- 11. ALL WATER PROOFING MATERIALS, METHODS AND INSTALLATION FOR WATER TIGHT CONDITIONS IS THE FULL RESPONSIBILITY OF THE BUILDER TO COORDINATE. THE BUILDER SHOULD REFER TO CODE REQUIREMENTS AND ALL MANF. INSTALLATION GUIDELINES PER CORRESPONDING APPLICATIONS



(R1) 2x6 RAFTER AT 16" O.C.







ROOF FRAMING NOTES

- ALL ROOF SECTIONS TO BE SHEATHED W/ 7/16" OSB ATTACHED TO ALL FRAMING MEMBERS W/ 8d NAILS @ 6" O.C. EDGE AND 12" MAX O.C. FIELD
- 2. SEE SHEET GN1 AND CEILING FRAMING PLAN FOR
- RAFTER TO CEILING JOIST CONNECTION
 3. OVERBUILD/OVERFRAME W/ 2x6 (SPF #2) @ 16" O.C. PROVIDE 2x10 FLAT @ ROOF OVERFRAMING END
- SUPPORT
 4. AT INTERIOR PARTITION WALLS, INSTALL DOUBLE JOIST OR FLAT 2x4 BLOCKING AT 16" O.C. W/ Z CLIP AT EACH
- END
 5. TRANSFER ALL POINT LOADS FROM ABOVE THROUGH FLOOR SYSTEMS w/ AN EQUAL AMOUNT OF STUD
- MATERIAL 6. ALL HOLDOWNS REFERENCED ARE SIMPSON PRODUCTS U.N.O.
- 7. ALL EXTERIOR WALLS TO BE SHEATHED W/ 7/16" OSB ATTACHED TO FRAMING W/ 8d NAILS @ 6" O.C. EDGE AND 12" O.C. FIELD. PROVIDE GYPSUM BOARD SHEATHING ON THE INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS CONFORMING TO CS-WSP BRACING METHOD PER CODE U.N.O. PROVIDE BLOCKING AT ALL PANEL SPLICES.
- ALL HEADERS NOTED TO BE PORTAL FRAMED PER METHOD "PF" AND SHALL BE IN ACCORDANCE W/ THE 2018 NCRC (U.N.O.)
- 9. ALL WALLS NOTED TO BE SHEATHED PER METHOD "GB" SHALL BE SHEATHED ON BOTH SIDES W/ MIN. 1/2" GYPSUM BOARD ATTACHED TO FRAMING W/ 5d COOLER NAILS OR #6 SCREWS @ 7" O.C. ALONG THE EDGES AND IN THE FIELD. PROVIDE BLOCKING AT ALL PANEL SPLICES.
- 10. AT EXTERIOR RIM BEAM PARALLEL TO JOIST, PROVIDE FULL DEPTH 2x BLOCKING AT 48" O.C. U.N.O. EDGE NAIL
- ROOF DIAPHRAGM TO BLOCKING AT 6" O.C.
 11. ALL LOAD BEARING HEADERS TO BE 2-2x8 AT 2x4 WALL AND 3-2x6 AT 2x6 WALLS U.N.O. W/ A MIN. OF 2 JACK STUDS AND KING STUDS PER SCHEDULE U.N.O. SEE SHEET GN1 FOR ADDITIONAL REQUIREMENTS
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- FULL RESPONSIBILITY OF THE BUILDER TO COORDINATE. THE BUILDER SHOULD REFER TO CODE REQUIREMENTS AND ALL MANF. INSTALLATION GUIDELINES PER CORRESPONDING APPLICATIONS
- 14. PROVIDE LRUZ OR LSSZ SLOPABLE AND SKEWABLE HANGER AT EA. RAFTER TO RIDGE BEAM.

FRAMING LEGEND

- B.B. = BEAM BELOW
- H.B. = HDR BELOW
- D.R. = DOUBLE RAFTER
- T.R. = TRIPLE RAFTER
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- B.R.O.W. = BRACE RAFTERS/TRUSS ON WALL D.J. = DOUBLE JOIST
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- JOISTS/TRUSSES # OF JACK STUDS AND # OF KING STUDS @
- #J#KE.E. = #OF JACK S EACH END
- ROOF BRACE POINT AND BRACE TO POINT
- = INTERIOR BEARING WALL
- $\langle \# \rangle = \frac{\text{NUMBER OF STUDS. STUDS TO BE SAME SIZE}}{\text{NUMBER OF STUDS. STUDS TO BE SAME SIZE}}$
- KING STUDS. SEE KING STUD CHART FOR REQUIRED KING STUDS.
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REFER DET. 6/SW2 SHEARWALL TYPE 6 FOR SHEAR CLIP AND ANCHOR BOLT SPACING, AND ADDITIONAL INFORMATION.

NOTE: PROVIDE BLOCKING ABOVE ALL INTERIOR WALLS SHEATHED PER METHOD "GB"

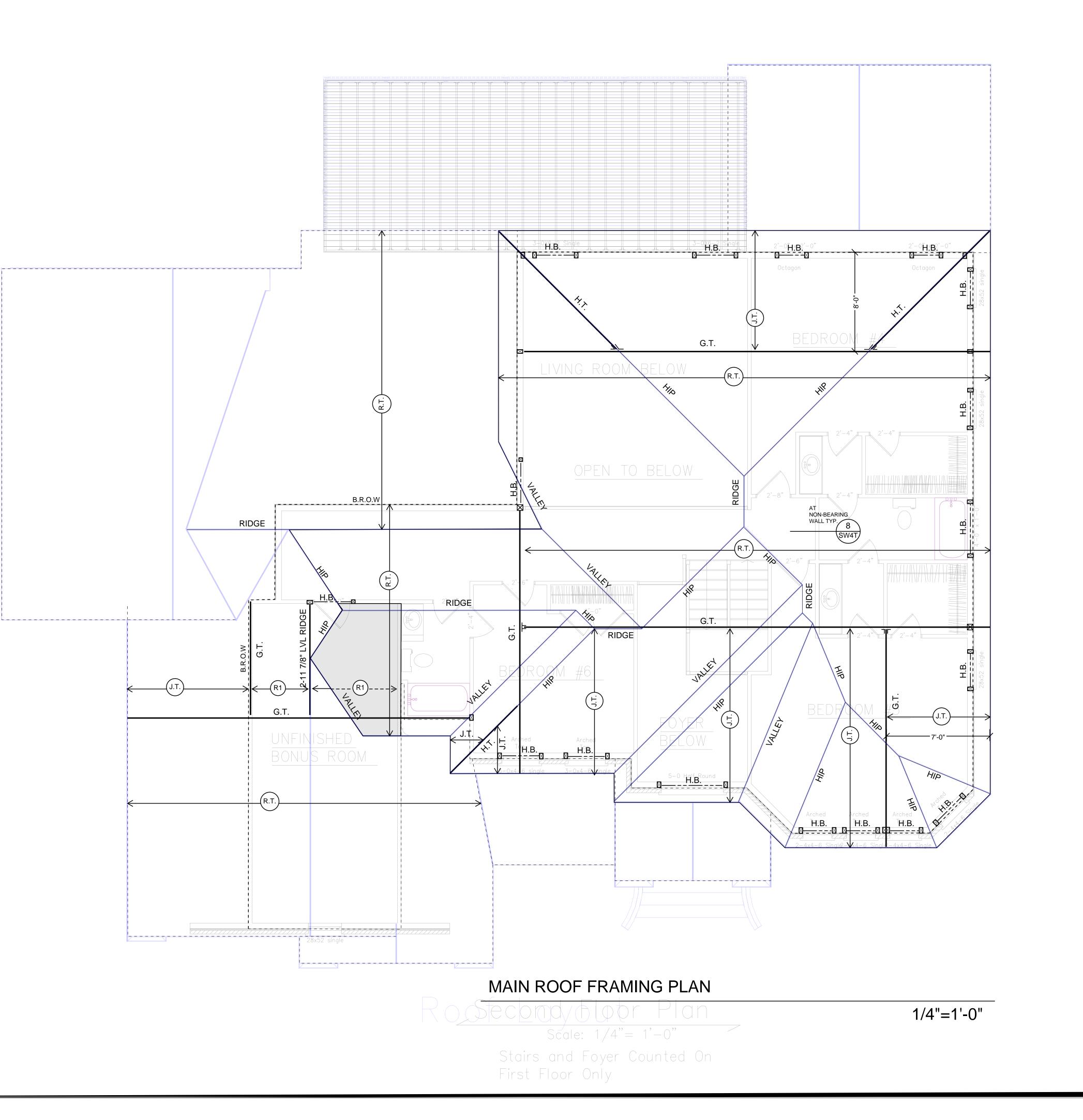
<u>NOTE:</u> ATTACH ALL RAFTERS/HIPS/VALLEYS TO STRUCTURAL RIDGES/BEAMS W/(2) SIMPSON L50'S OR SLOPEABLE HANGERS

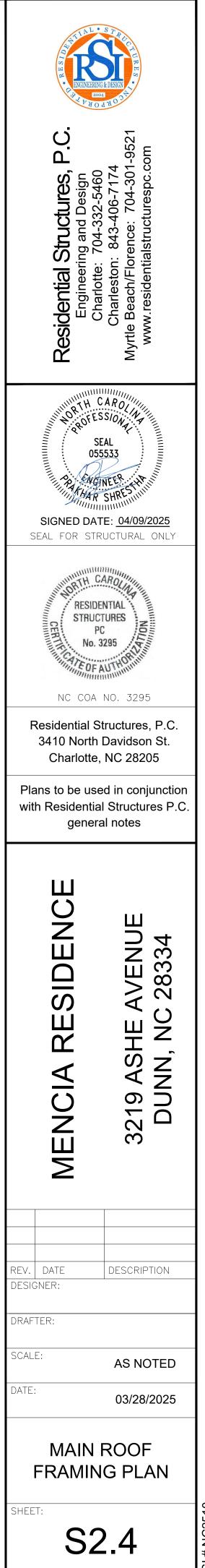
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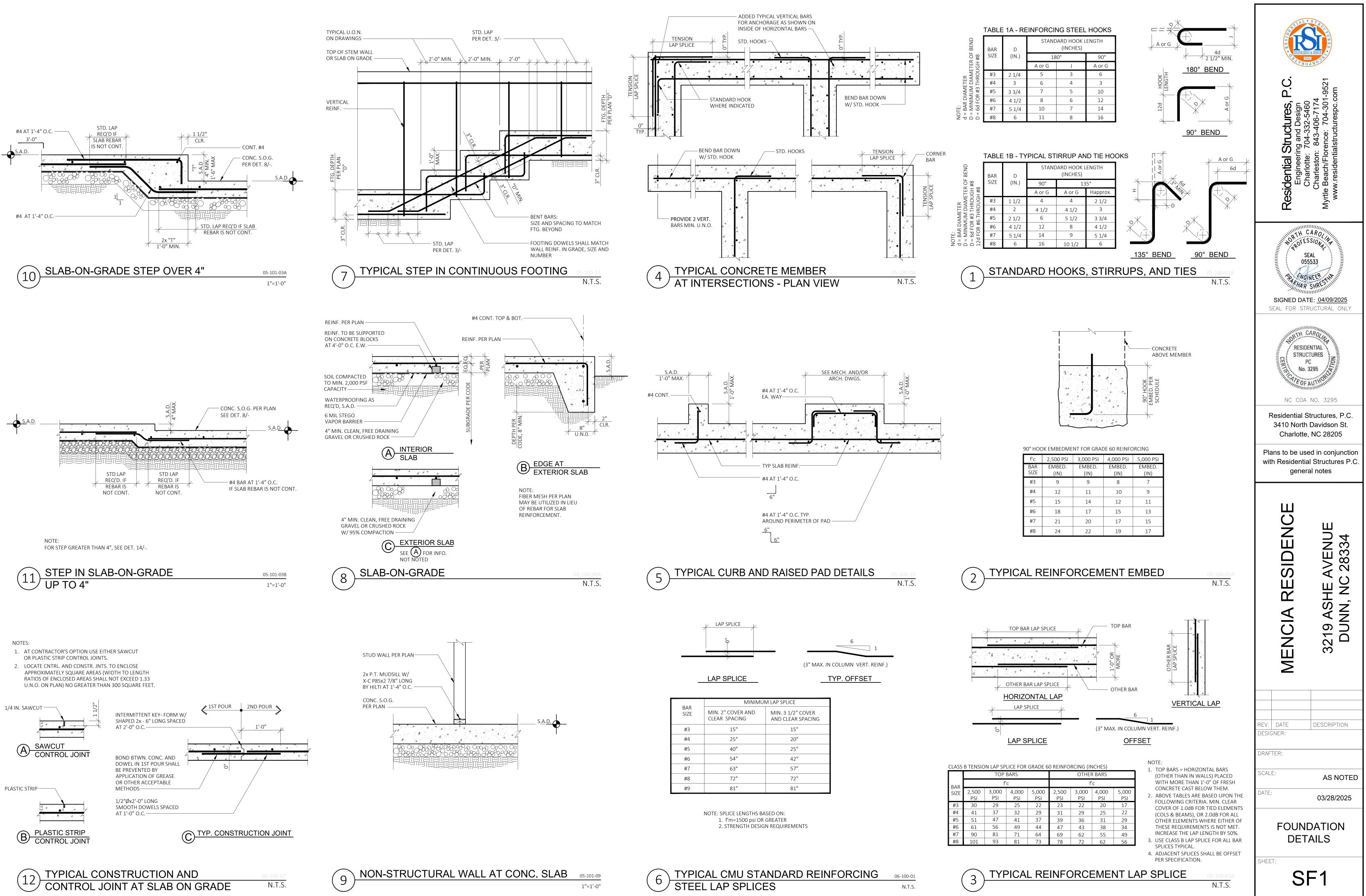
ALL OVERFRAMED VALLEY/HIP/ROOF BEAMS TO BE 2X10 FLAT U.N.O. (TYP.)

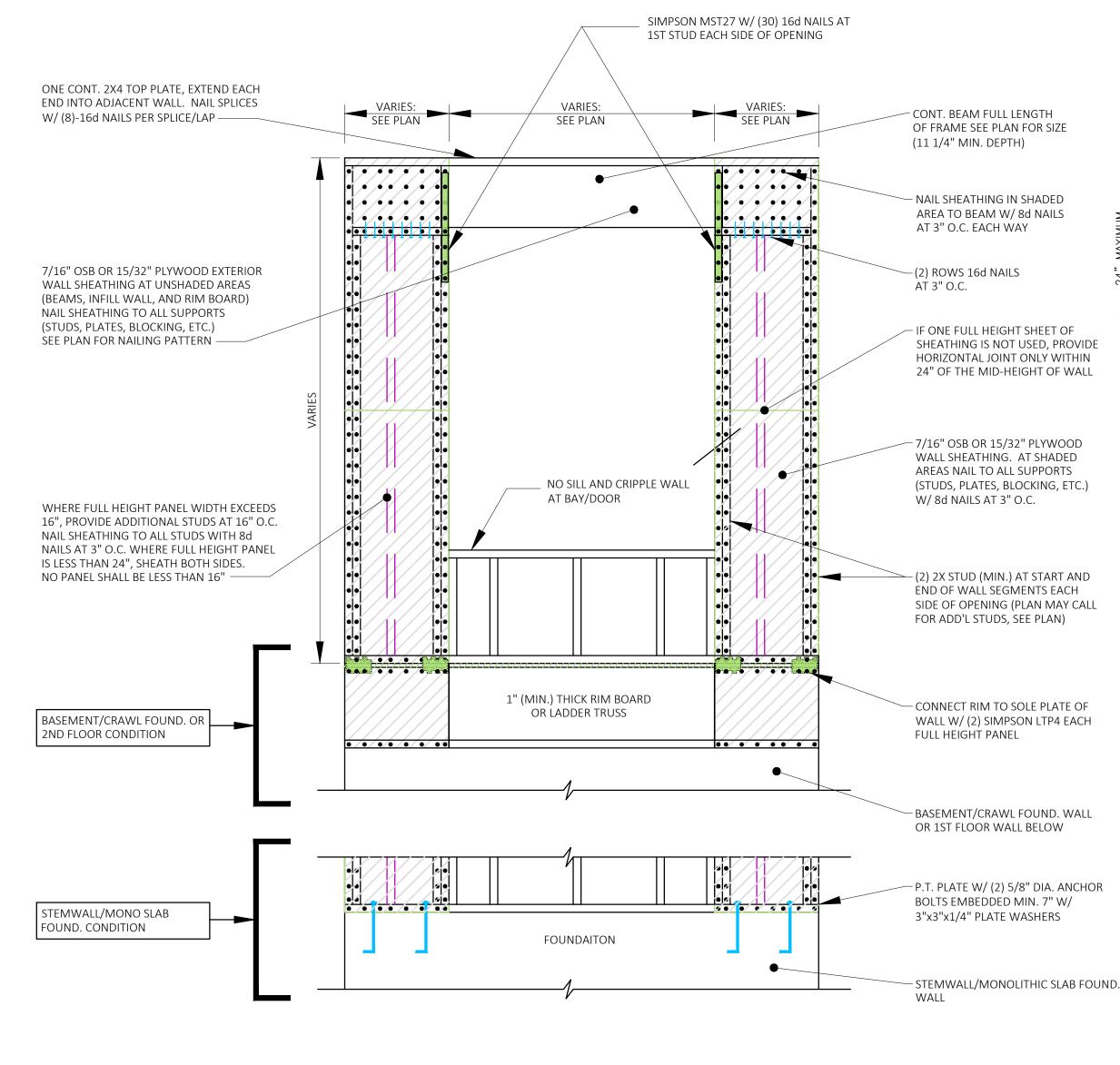
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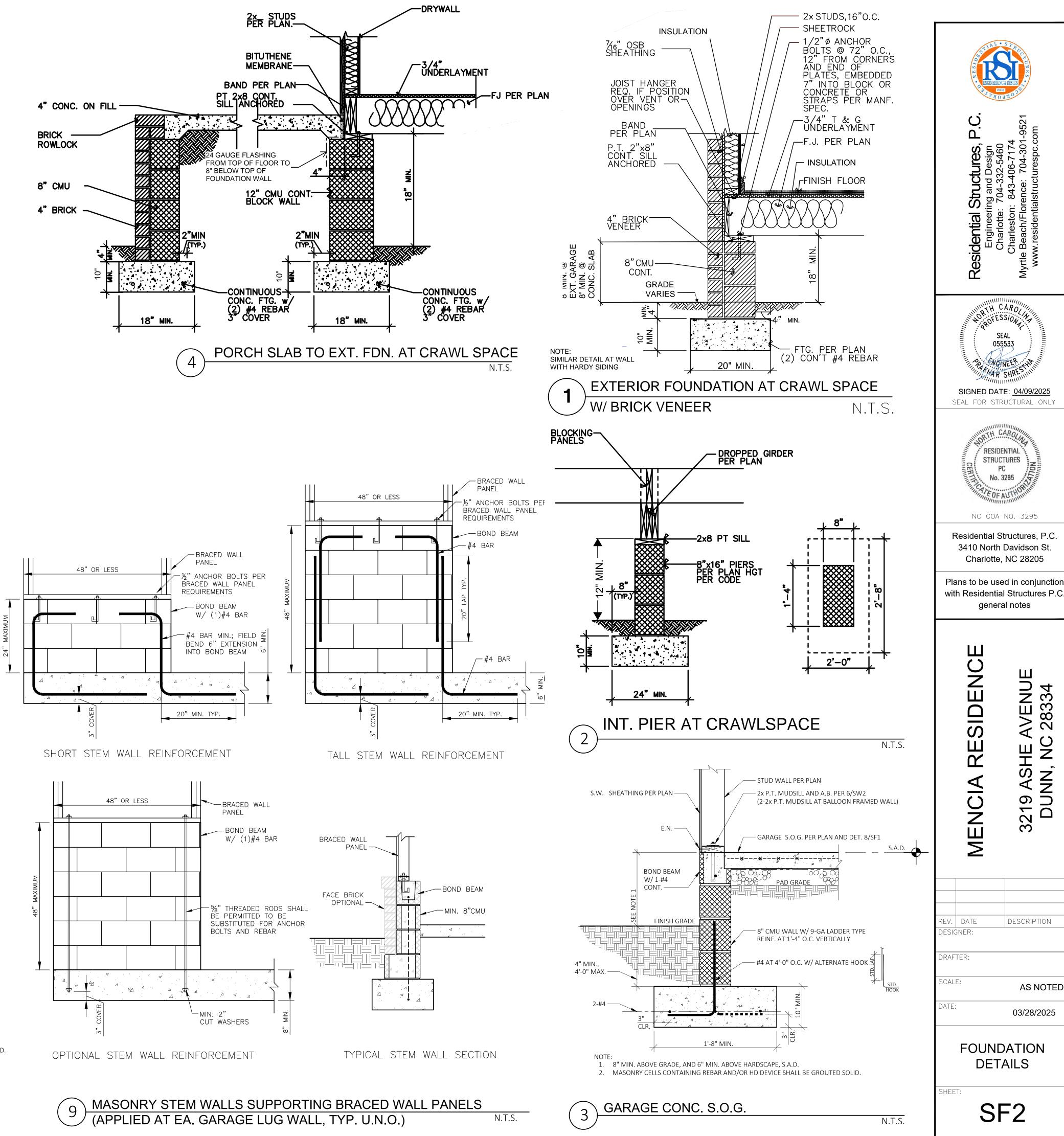
SEE SHEET FN1 FOR ALL FOUNDATION AND FRAMING NOTES, LEGEND, AND CHARTS

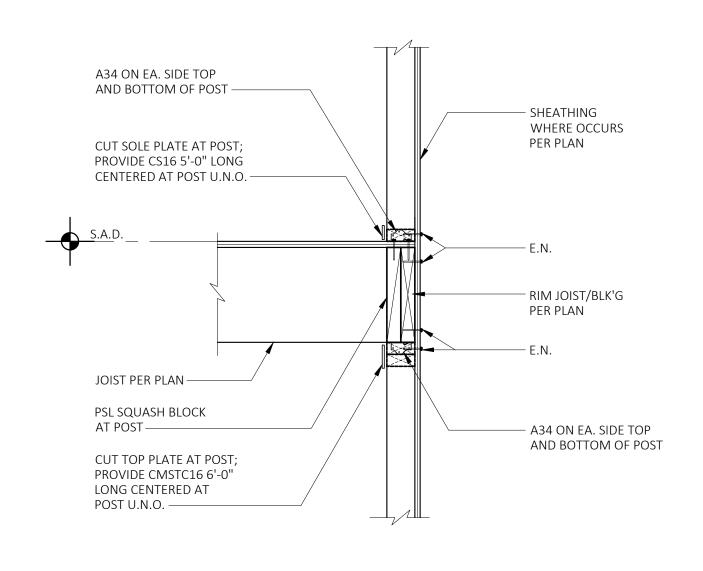




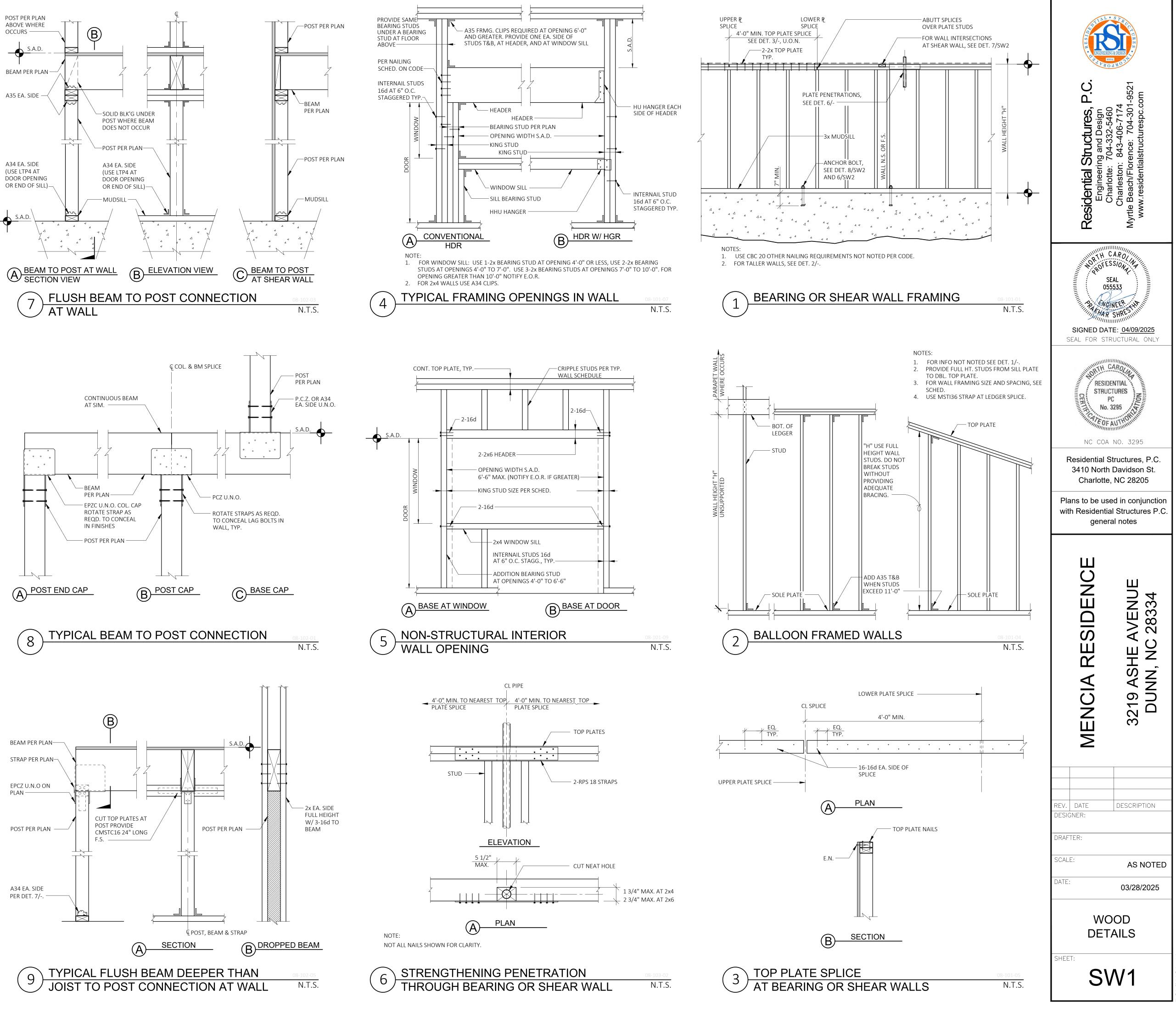


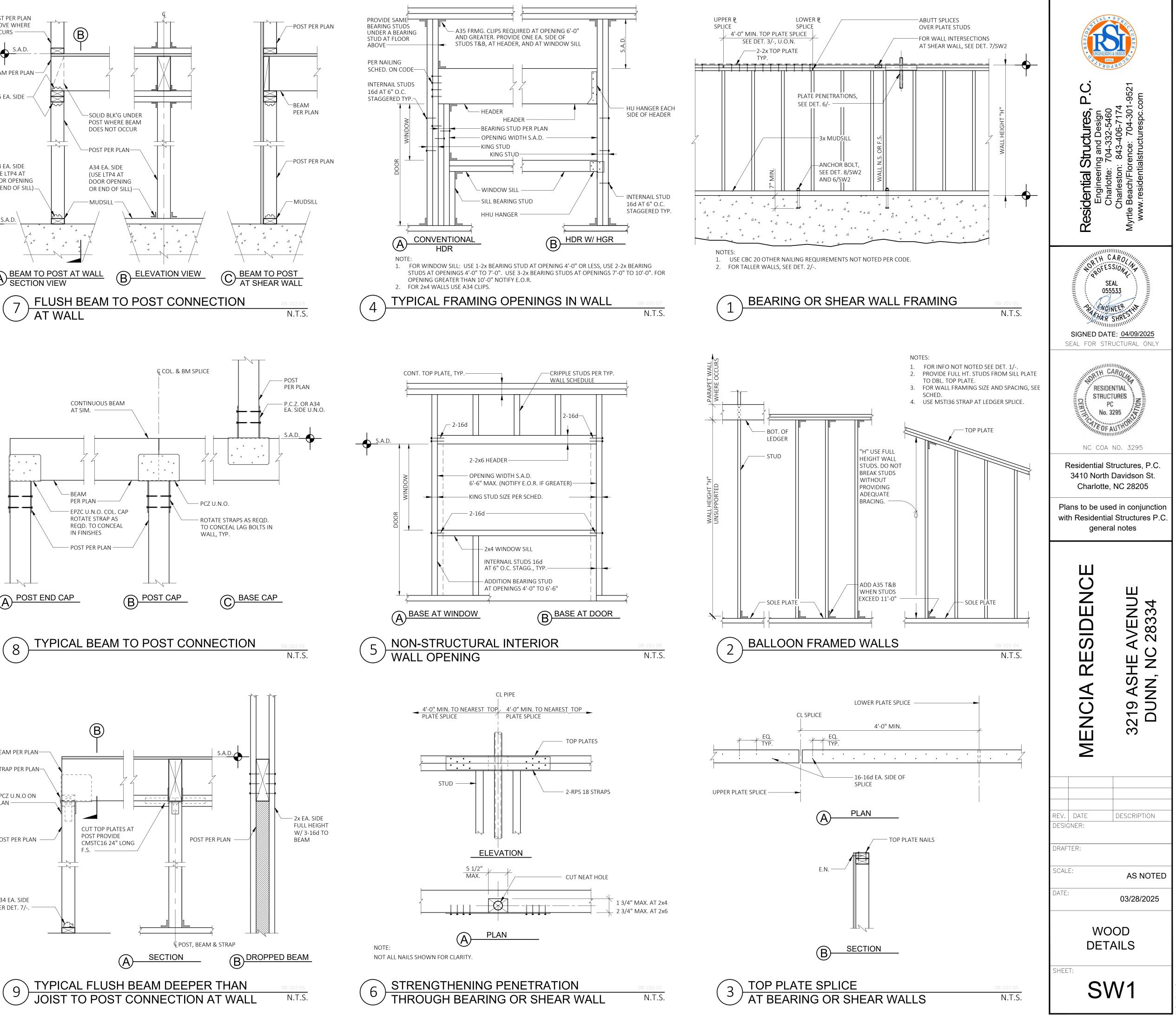








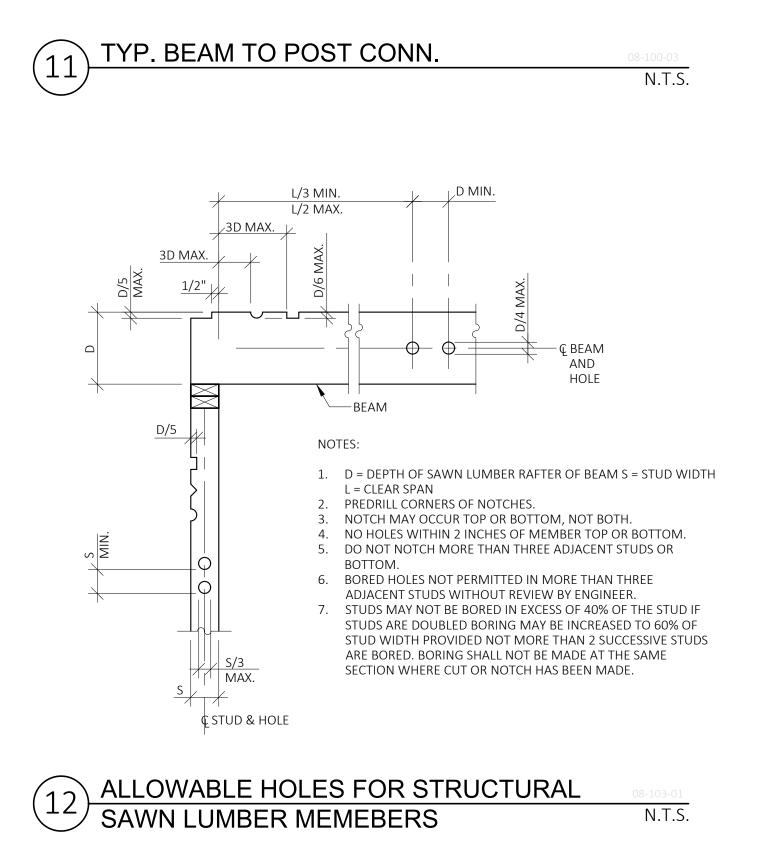


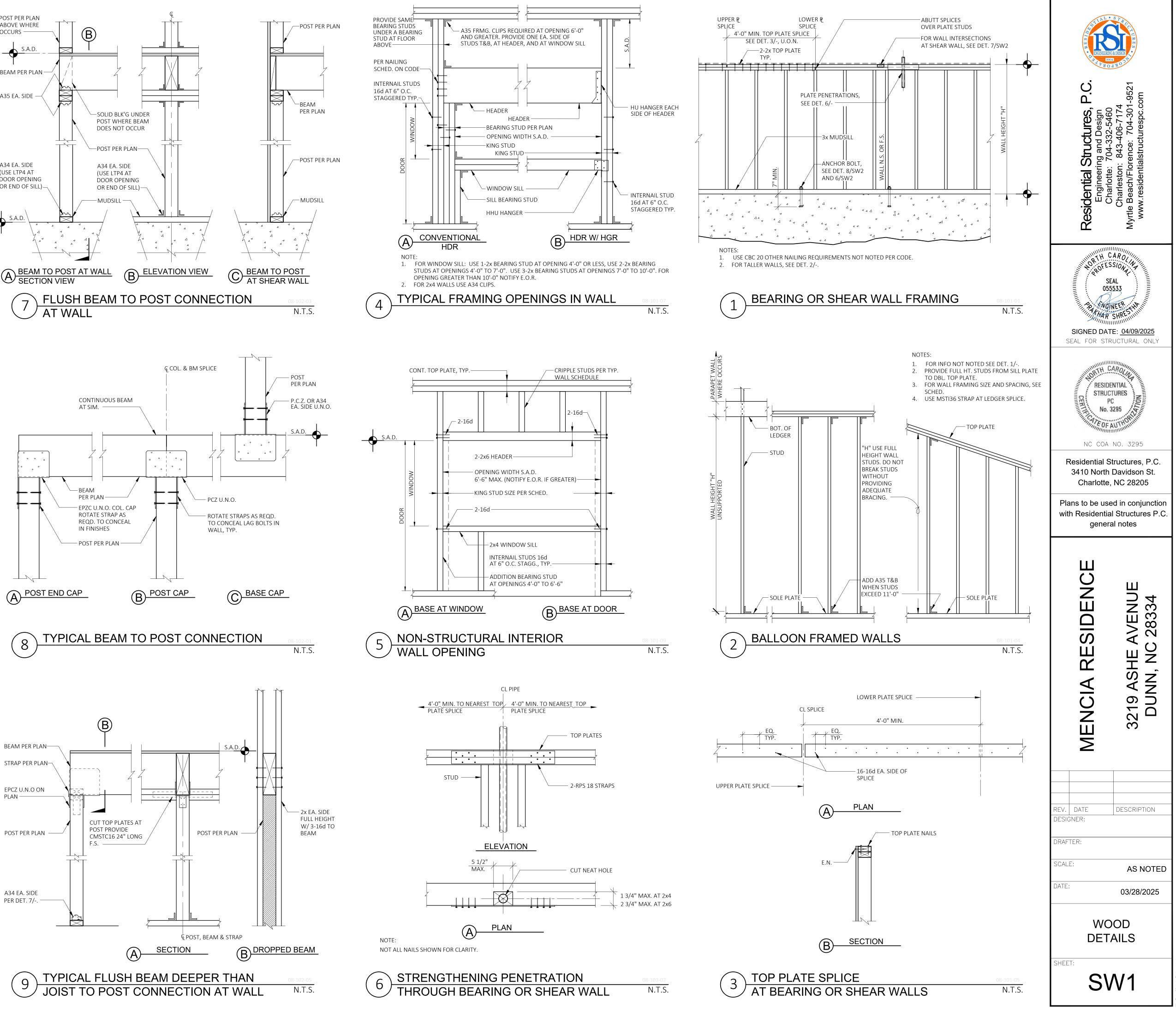




POST CAPS SHALL MATCH SIZE OF CONNECTING BEAM AND SHALL BE SELECTED FROM THE MOST CURRENT SIMPSON (STRONG-TIE CONNECTOR) CATALOG BASED ON THE MAXIMUM MANUFACTURER RECOMMENDATIONS CAPACITIES U.O.N.

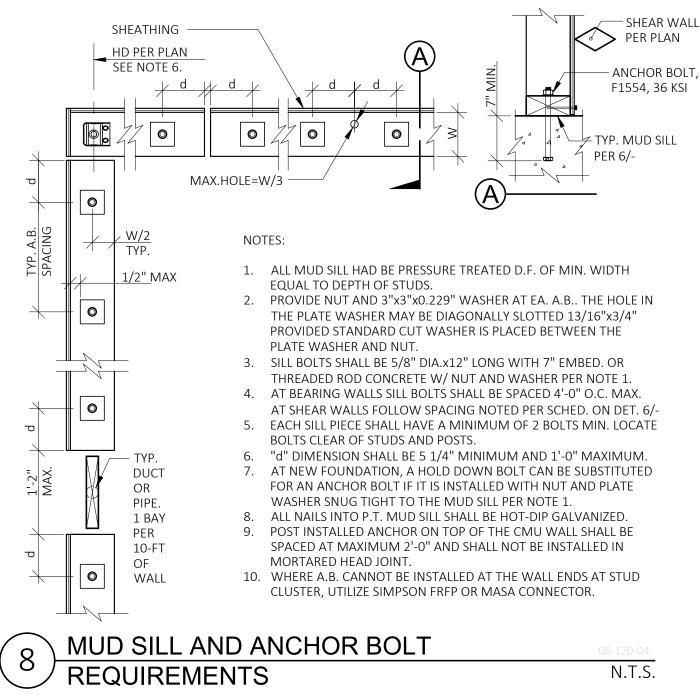
- FOR POST BASE CONNECTIONS, SEE DETAIL 7/-. POSTS SPECIFIED ARE FOR SUPPORTING ONE END OF THE BEAM ONLY WHERE TWO
- BEAMS FRAME INTO THE SAME LOCATION, PROVIDE A POST UNDER EACH, U.O.N. 4. PROVIDE A SAME SIZE POST AT EACH LEVEL BELOW FOR SUPPORT
- UNLESS BEAM OCCURS AT THE LEVEL BELOW.
- FOR FLUSH BEAM TO POST CONNECTION AT WALL, USE DETAIL 7/-. 6. FOR FLUSH BEAM DEEPER THAN JOIST AT WALL, USE POST CONNECTION DETAIL 9/-.
- 7. FOR DROP BEAM TO POST CONNECTION USE DETAIL 8/-.

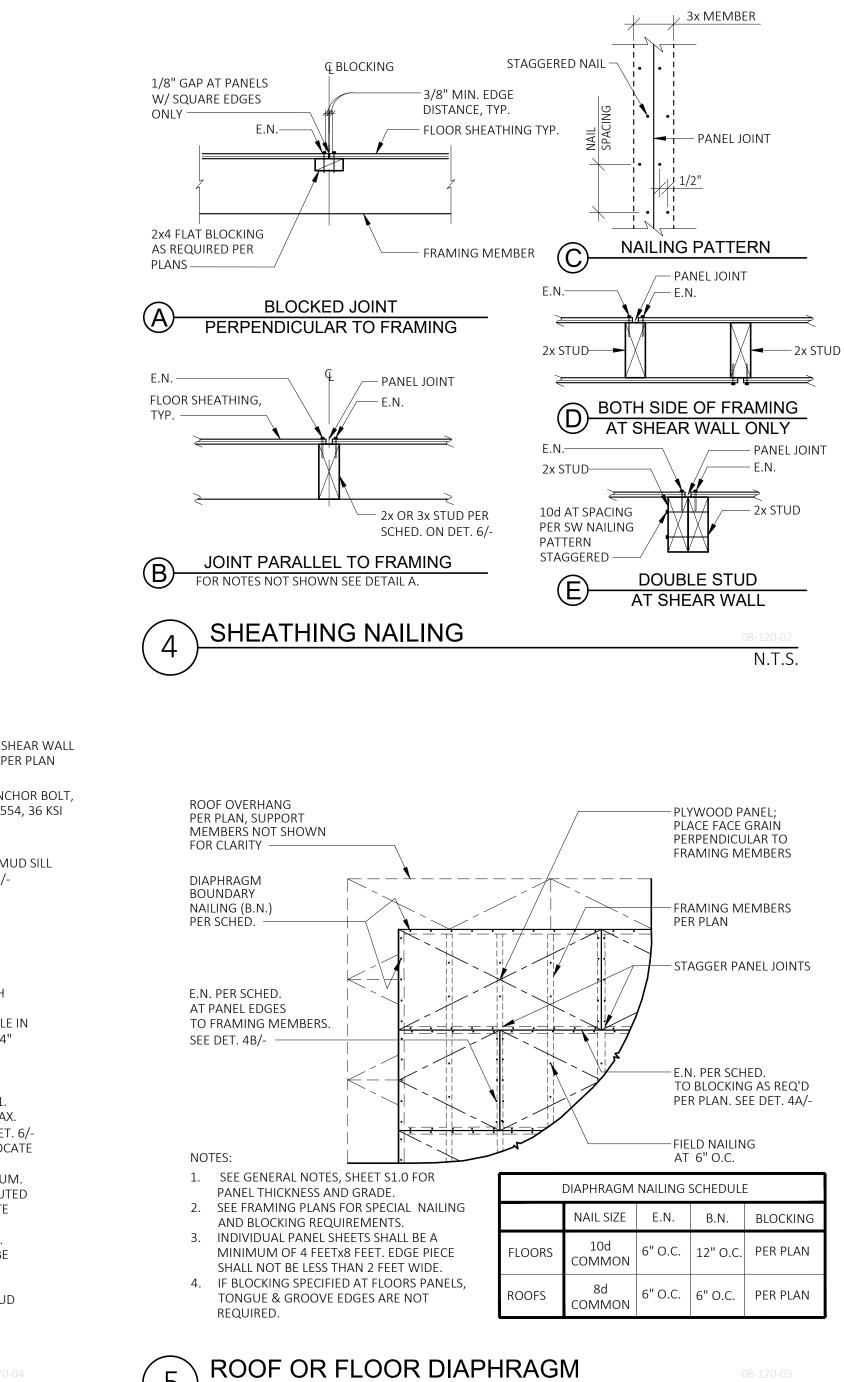






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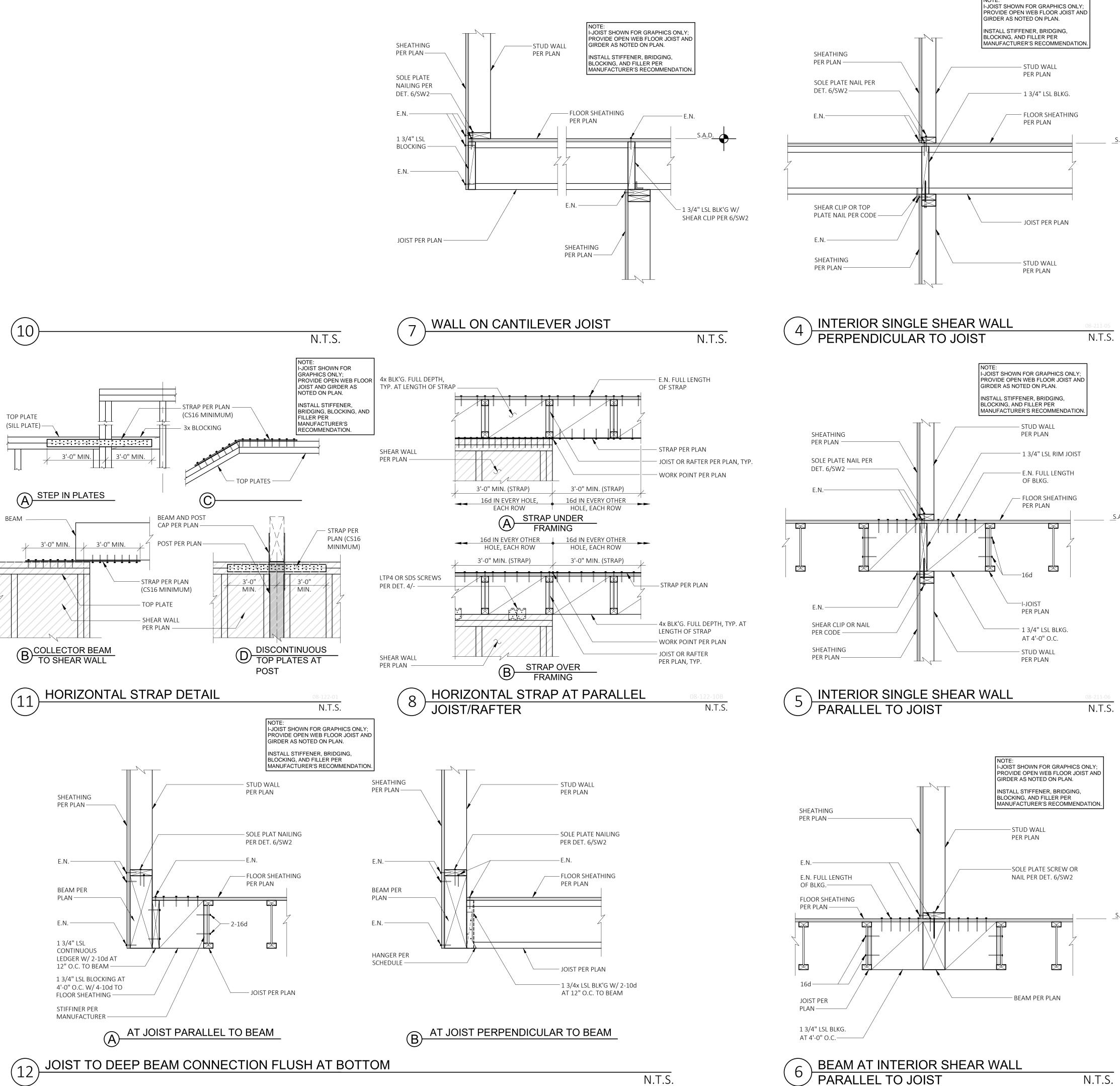
| MARK | NO. OF SIDES | EDGE NAIL 8d COMMON SEE DETAIL 4C/- WHERE SPECIFIED AS STAGGERED | NAIL | F PANEL LING | SOLE PLATE OR TOP PLATE CONNECTIONS | | SHEAR CLIPS W/ 8d COMMON NAIL U.O.N. | | W/ MIN. INTO N | OR TITEN HD 7" EMBED. MUDSILL DET. 8/- | URFP AT (E) CONC. TO MUDSILL | 5/8"Ø TITEN HD W/ EMBED. DEPTH 7" MIN. INTO TOP OF FULLY GROUTED CMU | ALLOWABLE SHEAR (plf) |
|------|-----------------|--|------|-----------------|--|--------------|--|------------|-------------------|---|---------------------------------------|---|-----------------------------|
| | | ASSIAGGENED | SIZE | DETAIL | 16d SINKER NAILS | SDS 1/4x5 | LTP4 | A34 | 2x MUDSILL | 3x MUDSILL | MODSILL | AT RETROFIT CONDITION, SEE DET. 8/- | |
| 6 | SINGLE SIDE | 6" | 2x | 4B/- | 6" O.C. | 1'-3" O.C. | 2'-0" O.C. | 1'-6" O.C. | AT 4'-0" | AT 4'-0" | AT 4'-0" | AT 2'-0" | 308 |

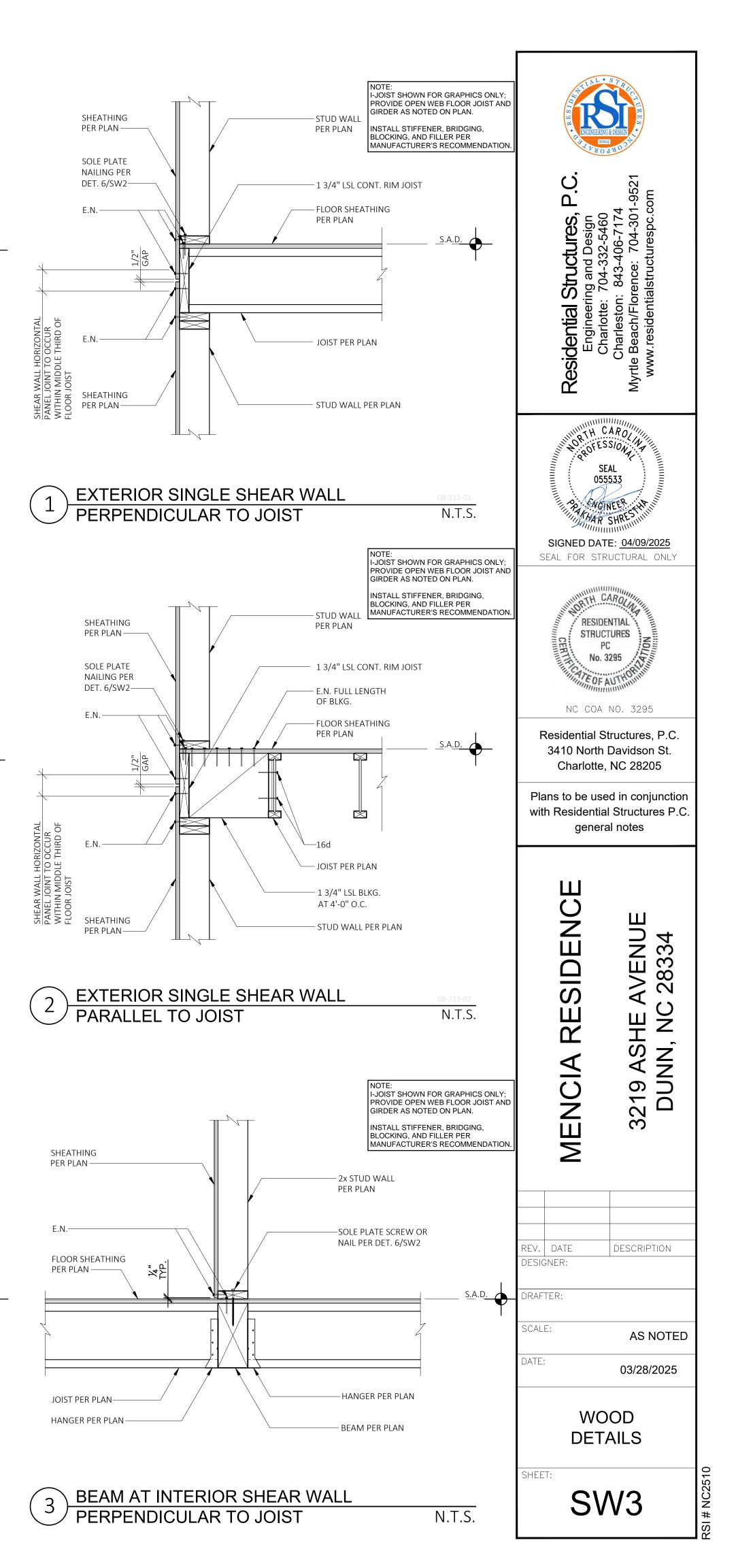
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SHEAR WALL SCHEDULE: 7/16" OSB SHEATHING 6

| TIAL TIAL TIAL ENGINEERING ENGINEERING ENGINEERING ENGINEERING ENGINEERING ENGINEERING | | | | | | | |
|---|------------------------------------|--|--|--|--|--|--|
| Residential Structures, P.C. Engineering and Design Charlotte: 704-332-5460 Charleston: 843-406-7174 Myrtle Beach/Florence: 704-301-9521 www.residentialstructurespc.com | | | | | | | |
| SEAL SEAL 055533 SEAL 055533 SIGNED DATE: 04/09/2025 SEAL FOR STRUCTURAL ONLY | | | | | | | |
| RESIDENTIAL STRUCTURES PC No. 3295 NC COA NO. 3295 | | | | | | | |
| Residential Structures, P.C. 3410 North Davidson St. Charlotte, NC 28205 | | | | | | | |
| Charlotte, NC 28205 Plans to be used in conjunction with Residential Structures P.C. | | | | | | | |
| general notes | | | | | | | |
| MENCIA RESIDENCE | 3219 ASHE AVENUE DUNN, NC 28334 | | | | | | |
| REV. DATE | DESCRIPTION | | | | | | |
| DESIGNER: DRAFTER: | | | | | | | |
| SCALE: | AS NOTED | | | | | | |
| DATE: | 03/28/2025 | | | | | | |
| WOOD DETAILS | | | | | | | |
| SHEET: SW2 | | | | | | | |



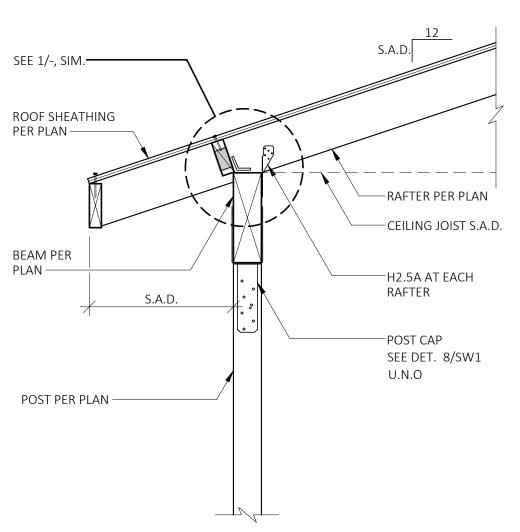


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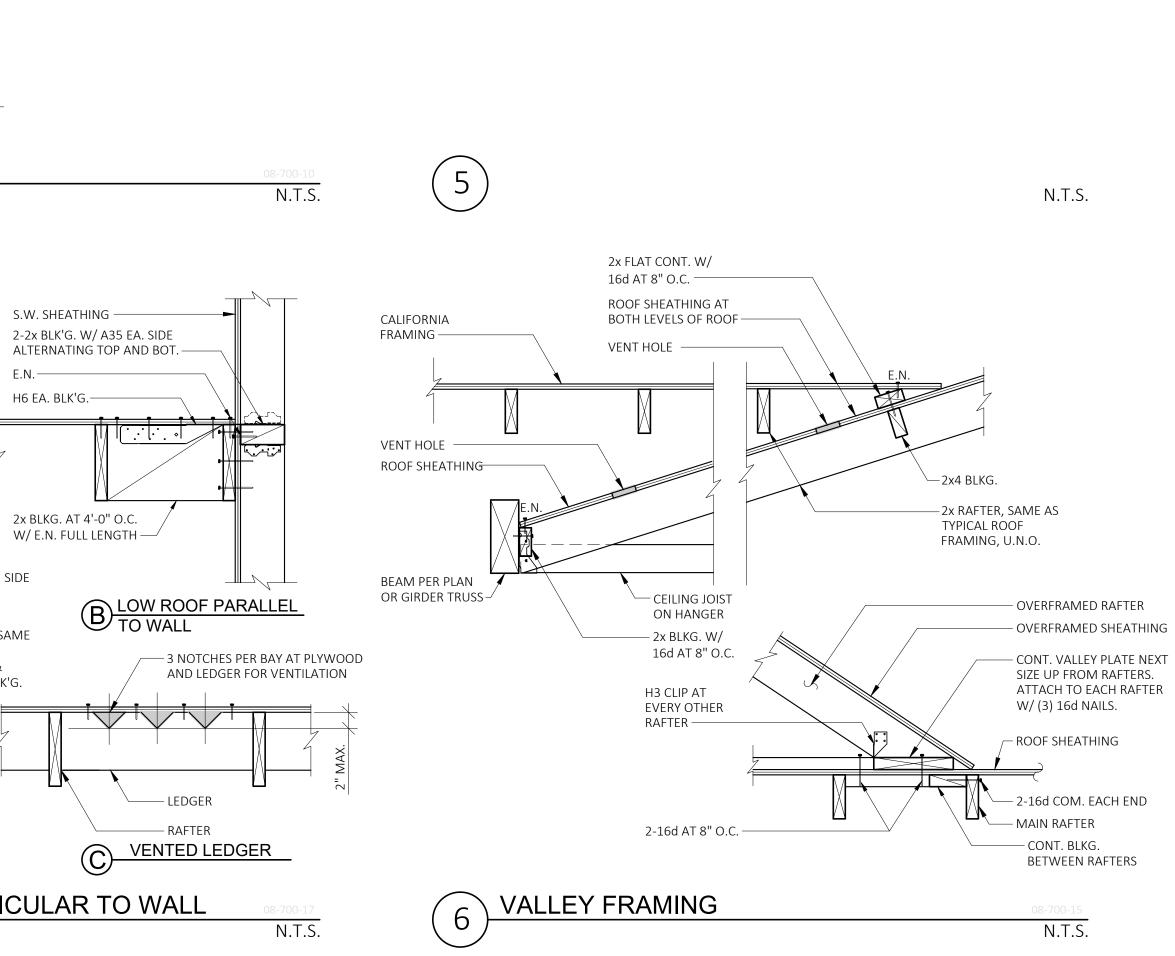
SHEATHING PER PLAN — \bigcirc E.N.— H6 AT 4'-0" O.C.— S.A.D. STUD WALL PER PLAN ----– 3x BLK'G. W/ A35 EA. SIDE ALTERNATING TOP AND BOT. – 2-2x CONT. LEDGER SAME SIZE AS RAFTER W/ 2-16d TO EA. STUD & RAFTER PER PLAN. 16d AT 8" O.C. TO BLK'G. -LSSU OR U HANGER, TYP. U.N.O. A LOW ROOF PERPENDICULAR TO WALL LOW ROOF PERPENDICULAR TO WALL

EAVE PORCH

8



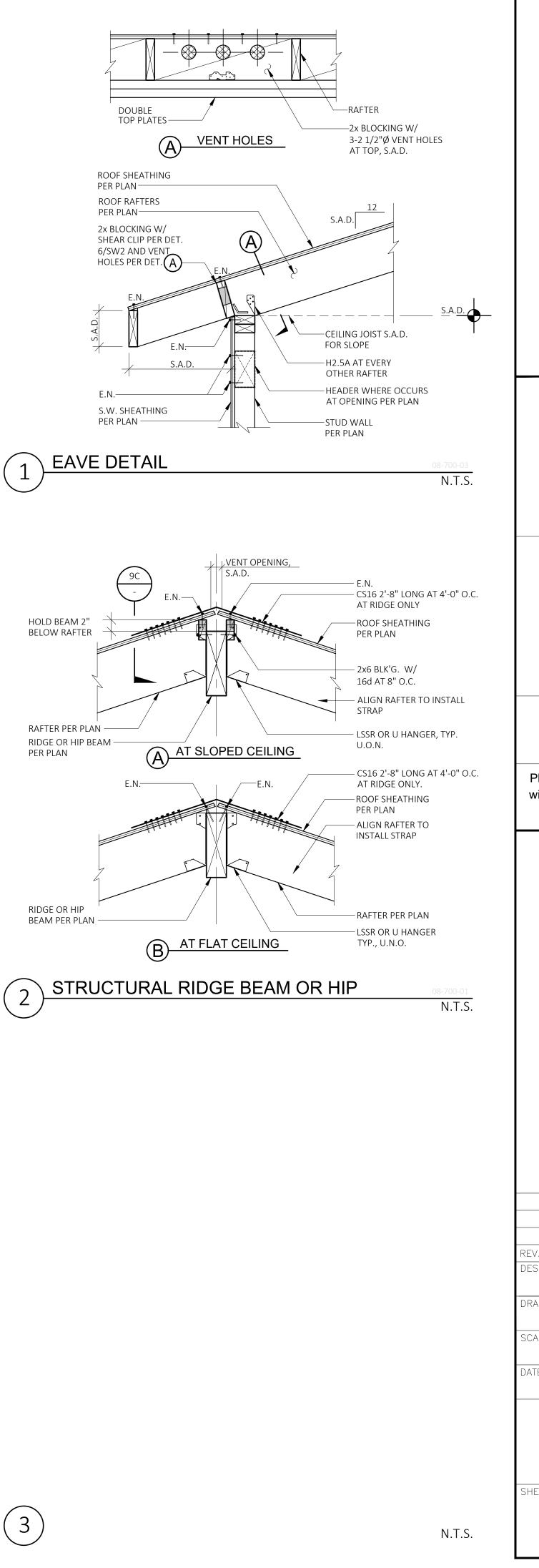
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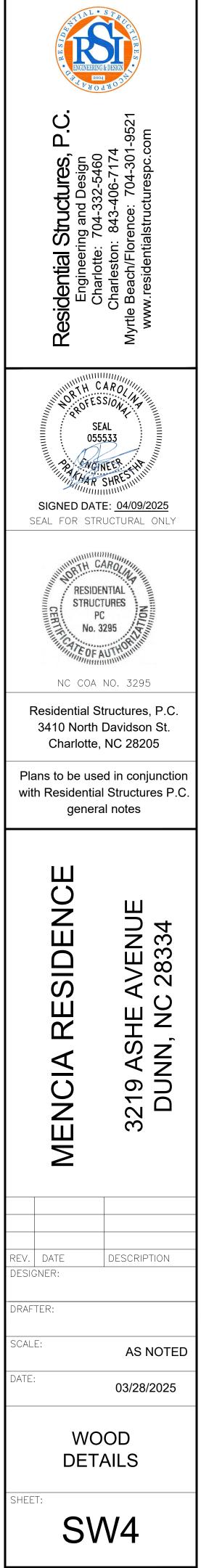


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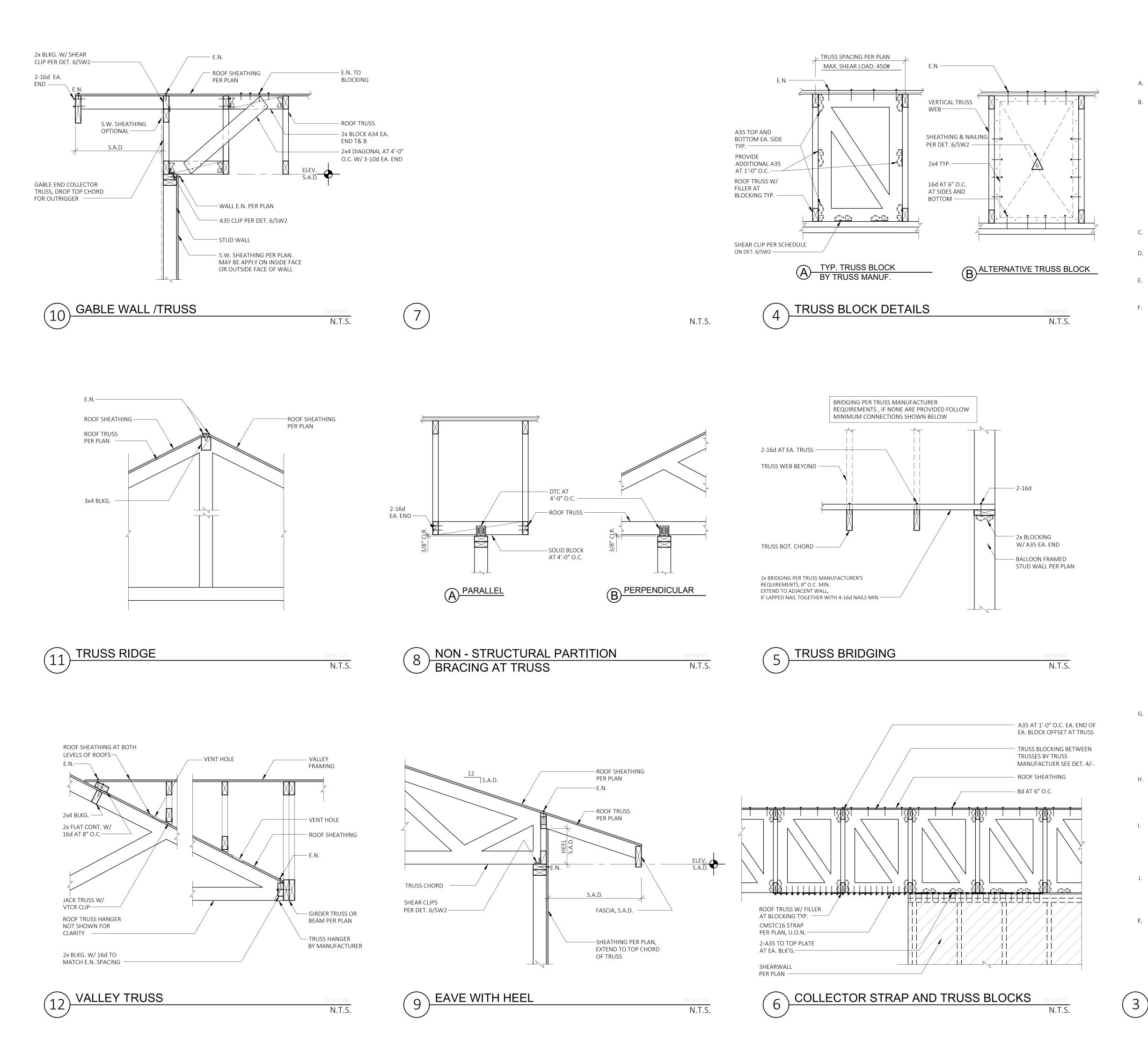
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N.T.S.





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A. TRUSSES SHALL BE PREFABRICATED BY A MANUFACTURER WITH A MINIMUM OF 5 YEARS EXPERIENCE PERFORMING SIMILAR WORK. TRUSSES SHALL BE DESIGNED TO WITHSTAND THE FOLLOWING MINIMUM UNIFORM VERTICAL LOADS: ROOF: TOP CHORD: DEAD LOAD= 7.5 PS LIVE LOAD= 20 PSF BOTTOM CHORD: DEAD LOAD= 5 PSF LIVE LOAD= <u>10 PSF (AT FLAT BOTTOM CHORD ONLY)</u> ATTIC LIVE LOAD= PER PLAN AND SHEET GN1 (DESIGN BASIS) COLLECTOR TRUSS: LATERAL LOAD PER PLAN SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS DETAILS AND TRUSS PROFILES NOT SHOWN ON STRUCTURAL DRAWINGS. CONTRACTOR TO COORDINATE MECHANICAL SYSTEMS WITHIN OR SUPPORTED BY TRUSSES WITH MANUFACTURER PRIOR TO FABRICATION OF TRUSSES. SEE DRAWINGS RTH CARO OTHER THAN STRUCTURAL FOR THESE SYSTEMS. OFESSION E. MANUFACTURER TO DESIGN TRUSS PROFILES TO PROVIDE 3/8-INCH CLEAR ABOVE NON-STRUCTURAL WALLS. SEE DETAIL 8/-SEAL 055533 F. THE TRUSS DESIGN DRAWINGS AND CALCULATIONS SHALL INCLUDE AT A MINIMUM THE PAR SHRES FOLLOWING INFORMATION: 1. SLOPE OR DEPTH, SPAN AND SPACING; 2. LOCATION OF JOINTS AND SUPPORT LOCATIONS; SIGNED DATE: 04/09/2025 3. NUMBER OF PLIES IF GREATER THAN ONE; SEAL FOR STRUCTURAL ONLY 4. REQUIRED BEARING WIDTHS; 5. DESIGN LOADS AS APPLICABLE INCLUDING: 5.1 TOP CHORD LIVE LOAD AS NOTED ABOVE; RESIDENTIAL 5.2 TOP CHORD DEAD LOAD AS NOTED ABOVE; STRUCTURES PC 5.3 BOTTOM CHORD LIVE LOAD AS NOTED ABOVE; No. 3295 5.4 BOTTOM CHORD DEAD LOAD AS NOTED ABOVE; 5.5 ADDITIONAL LOADS AND LOCATIONS; 6. OTHER LATERAL LOADS, INCLUDING DRAG STRUT LOADS; NC COA NO. 3295 7. CONCENTRATED LOADS AND THEIR POINTS OF APPLICATION AS APPLICABLE; Residential Structures, P.C. 8. ADJUSTMENTS TO LUMBER AND METAL CONNECTOR PLATE 3410 North Davidson St. DESIGN VALUE FOR CONDITIONS OF USE; Charlotte, NC 28205 9. MAXIMUM REACTION FORCE AND DIRECTION INCLUDING MAX UPLIFT REACTION FORCES WHERE APPLICABLE; Plans to be used in conjunction 10. METAL CONNECTOR PLATE TYPE, SIZE, THICKNESS, OR GAGE, AND THE DIMENSIONED LOCATION OF EACH METAL CONNECTOR with Residential Structures P.C. PLATE EXCEPT WHERE SYMMETRICALLY LOCATED RELATIVE TO general notes THE JOINT INTERFACE; 11. LUMBER SIZE, SPECIES, AND GRADE FOR EACH MEMBER. 12. CONNECTION REQUIREMENTS FOR TRUSS TO TRUSS; TRUSS PLY TO PLY; FIELD SPLICES; AND FIELD ASSEMBLY REQUIREMENTS; 13. CALCULATED SPAN-TO-DEFLECTION RATIO AND MAXIMUM SIDENC VERTICAL AND HORIZONTAL DEFLECTION FOR LIVE AND TOTAL LOAD; Ш AVENUI 28334 14. MAXIMUM AXIAL TENSILE AND COMPRESSION FORCES IN THE TRUSS MEMBERS; 15. REQUIRED PERMANENT INDIVIDUAL TRUSS MEMBER BRACING AND METHOD PER SECTION 2303.4, UNLESS A SPECIFIC TRUSS MEMBER PERMANENT HE A' NC 2 BRACING PLAN FOR THE ROOF OR FLOOR STRUCTURAL SYSTEM IS PROVIDED Щ BY A REGISTERED DESIGN PROFESSIONAL; 3219 ASH DUNN, I 16. EACH INDIVIDUAL TRUSS DESIGN DRAWING SHALL BEAR THE SEAL AND SIGNATURE OF A REGISTERED DESIGN PROFESSIONAL; MENCIA G. THE TRUSS MANUFACTURER SHALL PROVIDE A TRUSS PLACEMENT DIAGRAM THAT IDENTIFIES THE PROPOSED LOCATION FOR EACH INDIVIDUALLY DESIGNATED TRUSS AND REFERENCES THE CORRESPONDING TRUSS DESIGN DRAWING. THE TRUSS PLACEMENT DIAGRAM SHALL BE PROVIDED AS PART OF THE TRUSS SUBMITTAL PACKAGE, AND WITH THE SHIPMENT OF TRUSSES DELIVERED TO THE JOB SITE. TRUSS PLACEMENT DIAGRAMS THAT SERVE ONLY AS A GUIDE FOR INSTALLATION AND DO NOT DEVIATE FROM THE PERMIT SUBMITTAL DRAWINGS SHALL NOT BE REQUIRED TO BEAR THE SEAL OR SIGNATURE OF THE TRUSS DESIGNER. H. THE TRUSS SUBMITTAL PACKAGE PROVIDED BY THE TRUSS MANUFACTURER SHALL CONSIST OF EACH OF EACH INDIVIDUAL TRUSS DESIGN DRAWING, THE TRUSS PLACEMENT DIAGRAM, THE PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING METHOD AND DETAILS, AND ANY OTHER STRUCTURAL DETAILS GERMANE TO THE TRUSSES; AND, AS APPLICABLE, THE COVER/TRUSS INDEX SHEET. TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, DRILLED, SPLICED OR OTHER WISE DESCRIPTION EV. DATE ALTERED IN ANY WAY WITHOUT WRITTEN CONCURRENCE AND APPROVAL OF A REGISTERED DESIGN ESIGNER: PROFESSIONAL. ALTERATIONS RESULTING IN THE ADDITION OF LOADS TO ANY MEMBER (E.G., HVAC EQUIPMENT, PIPING, ADDITIONAL ROOFING OR INSULATION, ETC.) SHALL NOT BE PERMITTED WITHOUT VERIFICATION THAT THE TRUSS IS CAPABLE OF SUPPORTING SUCH ADDITIONAL LOADING. RAFTER: TRUSSES NOT PART OF A MANUFACTURING PROCESS IN ACCORDANCE WITH EITHER SECTIONS 2303.4.1 SCALE: THROUGH 2303.4.5, THE DESIGN MANUFACTURE AND QUALITY ASSURANCE OF AS NOTED METAL-PLATE-CONNECTED WOOD TRUSSES SHALL BE IN ACCORDANCE WITH TPI 1. JOB-SITE INSPECTIONS SHALL BE IN COMPLIANCE WITH SECTIONS 1704.2 AND 1704.6, AS APPLICABLE. ATE: 03/28/2025 K. TRUSS MANUFACTURER PROVIDE HANGER SIZES AND HARDWARE COMPONENTS TO BE SPECIFIED ON TRUSS DRAWINGS. WOOD DETAILS HEET:

RSI # NC2510

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PREFABRICATED TRUSS NOTES

08-600-23