



Front elevation ELEVATION 2



rear elevation

NO. DESCRIPTION BY DATE

SHEET TITLE: Elevations

PROJECT DESCRIPTION:

Evans Garage

295 Chasbee In

DRAWINGS PROVIDED BY:
Salt and Light Design
Build

DATE:

4/5/25

SCALE: 1/4"=1'

SHEET:

A-3

DESIGN CRITERIA

1 2018 NORTH CAROLINA STATE BUILDING CODES

ASCE 7-10 DESIGN LOADS

- LIVE LOAD (ROOF) = 20 PSF LIVE LOAD (CEILING-NO STORAGE) = 10 PSF
- LIVE LOAD (FLOOR) = 40 PSF
- GROUND SNOW LOAD = 20 PSF
- ULTIMATE WIND VELOCITY = 120 MPH
- EMPOSURE CATEGORY = 12 cmm² 1 2 cmm² 2 cmm²

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION.

2. THE CONTRACTOR SHALL COORDINATE THEIR WORK ACTIVITIES WITH THE OWNER OR OWNER

REPRESENTATIVE.

CONTRACTOR SHALL MAKE A CAREFUL INSPECTION OF THE SITE TO FAMILIARIZE HIM/HERSELF.

REPRESENTAL VISITED TO A MALE A CAREFUL INSPECTION OF THE SITE TO FAMILIARIZE HIMMHERSELF OWNTH THE ACTUAL CANDITIONS OF THE SITE PRIOR TO CONSTRUCTION OF THE SITE PRIOR TO CONSTRUCTION OF AN ACCOUNT ON THE CONTROL OF THE CONTRACTOR AND LOOK OF THE CONTROL OF THE CONTRACTOR CONTRACTOR SHALL DESIGN AND INSTALL ALL TEMPORARY SHORING REQUIRED TO STABILLE OF THE CONTRACTOR CONTRACTOR SHALL DESIGN AND INSTALL ALL TEMPORARY SHORING REQUIRED TO STABILLE NEW AND EXIST ME STRUCTURES AND FOUNDATIONS UNTIL CONSTRUCTION IS COMPLETE.

CONTRACTOR SHALL DESIGN AND INSTALL ALL TEMPORARY SHORING REQUIRED TO STABILIZE NEW AND EXISTING STRUCTURES AND FOUNDATIONS UNTIL CONSTRUCTION IS COMPLETE NUMSISIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, SPECIFICATIONS, NOTES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE PIGNIERER, AND RESOLVED BEFORE PROCEEDING WITH WORK.

THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THE STRUCTURE SHOWN IS STRUCTURALLY SOUND IN IT'S COMPLETED FORM ONLY, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION.

APPLY TERMITE TREATMENT TO GROUND SURFACES WITHIN THE DEFINED SCOPE OF WORK AS DESCRIBED TO COME AND LOCAL BUILDING INSPECTOR.

REQUIRED BY CODE AND LOCAL BUILDING INSPECTOR.

12. ONLY SEALED DRAWINGS WITH MOST RECENT REVISIONS ARE APPLICABLE FOR

12. ONLY SEALED DRAWINGS WITH MOST RECENT REVISIONS ARE APPLICABLE FOR CONSTRUCTION.
13. STRUCTURAL PLANS DO NOT INCORPORATE ADA, PLUMBING, MECHANICAL, ELECTRICAL, OR SITE FEATURES. ENENNEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY.
14. SECTIONS AND DETAILS SHOWN AT LOCATIONS INDICATED ON PLAN ARE TYPICAL FOR OTHER SIMILAR CONDITIONS OF BUILDING, EVEN IF NO SECTION CUT IS INDICATED AT A SIMILAR CONDITION, CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL DETAILS WITH OTHER TRADES, DISCIPLINES, AND ALL SECTIONS AND DETAILS WITHIN STRUCTURAL DOCUMENTS CONTRACTOR SHALL COORDINATE THESE STRUCTURAL DRAWINGS WITH DRAWINGS OF OTHER DISCIPLINES, SHOULD CONFLICTS OR DEVIATIONS EN ONTEQ, THEY SHOULD BE IMMEDIATELY BROUGHT TO THE ATTENTION OF SUBJECT DESIGNERS FOR REVIEW.
15. IN THE CASE WHERE NEW STRUCTURE IS INTEGRATED INTO EXISTING STRUCTURE, THE EXISTING STRUCTURE IS TO REMAIN UNMODIFIED UNILESS EXPLICITLY DESCREED IN THE DESIGN PLANS, ANY DAMAGE TO EXISTING STRUCTURE IDENTIFIED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OR REVIEW PRIOR TO RESUMING WORK.

THE SCOPE OF THIS PROJECT IS CONTAINED IN THIS DRAWING AND WAS PERFORMED ON A THE SOUTE OF THIS PROJECT IS CONTAINED IN THIS DRAWING AND WAS PERFORMED ON A FLAT RATE U.N.O. THE ENGINEER'S PROFESSIONAL LIMIT OF LIABILITY FOR THIS PROJECT IS 10 TIMES THE FEES COLLECTED.

SOIL FOUNDATIONS

1. ALL BOTTOM OF FOOTINGS SHALL BE CAST A MINMUM OF 12" BELOW ORIGINAL GROUND LINE AND IN NO CASE ABOVE THE FROST LINE BASED ON 2018 NOBC AND LOCAL STANDARDS. NO FOOTINGS SHALL BE CAST ON LOOSE FILL MATERIAL.

2. ALL FILL SHALL BE PLACED IN 5" MAXIMUM LOOSE LIFTS AND SHALL BE COMPACTED TO A MINMUM OF 59 PERCENT MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D-899 (STANDARD PROCTOR METHOD). THIS REQUIREMENT SHALL BE NOREASED TO 99 PERCENT OF ASTM D-898 IN THE FINAL FOOT BENEATH FLOOR SLASS AND PAYEMENTS.

3. ONCE FOOTINGS ARE ABLE TO HANDLE LATERAL LOADING, BACKFILL WITH ENGINEERED STANDARD ON ASTANDARD METHOR LIFTS ATTEMPOR OF THE PROCEDING MAY BE PACKFILED.

STONE OR NO. 57 STONE IN 8" UNIFORM LIFTS. EXTERIOR OF THE FOOTING MAY BE BACKFILLED WITH 8" UNIFORM LIFTS OF SUITABLE SOILS COMPACTED TO 95% OF THE DRY DENSITY BEYOND

THE PLACEMENT OF THE FOOTING DRAIN.
A 10 MIL VAPOR BARRIER IS TO BE PLACED OVER THE ENTIRETY OF THE SUB-BASE, PRIOR TO PLACEMENT OF THE FLOOR INSULATION AND ANY CONCRETE SLAB-ON-GRADE WITHIN CRAWL SPACES A MINIMUM 6-MIL VAPOR BARRIER SHALL BE INSTALLED ON BARE SOILS.

REINFORCING

1. ALL DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE LATEST "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," ACI 315.

2. CLEAR CONCRETE COVER OVER DARS SHALL BE 3" FOR FOOTINGS AND OTHER CONCRETE CAST AGAINST GROUND, CONCRETE COVER IN OTHER LOCATIONS TO BE A MINIMUM 1.5" (TYP.

UNO.)
PROVIDE CORNER BARS AT ALL FOOTING STEPS AND CORNERS. THE REINFORCING BARS SHALL BE A MINIMUM OF 2-6° LONG AND SHALL HAVE THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCING.
LAP ALL SPLICES IN CONCRETE AS SPECIFICALLY CALLED FOR, BUT AT LEAST 48 BAR DIAMETERS FOR TEMSION OF COMPRESSION, UNLESS NOTED DTHERWISE.

LAP ALL SPLICES IN CONCRETE AS SPECIFICALLY CALLED FOR, BUT AT LEAST 48 BAR DIAMETERS FOR TENSION OR COMPRESSION, UNLESS NOTED OTHER THE PROVIDE VERTICAL RENFORCEMENT IN FOUNDATION WALLS FOR UNBALANCED BACKFILL IN ACCORDANCE WITH APPLICABLE DESION DETAILS. WHERE NOT DETAILED IN PLAN, REINFORCEMENTS SHALL BE INSTALLED PER TABLE R404. 1,1(1) & (2) IN THE 2018 NCBC RC. REINFORCING BARS SHALL BE DEFORMED AND CONFORMING TO ASTM A815, RADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A815, CANDED THE DIAMETER OF THE STREAM OF THE AST OF TH

CONCRETE NOTES

1. CONCRETE CONSTRUCTION SHALL COMPLY WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (LATEST EDITION), AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (LATEST EDITION), AND ACI 302 "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (LATEST EDITION).

2. MIX DESIGN SHALL BE IN ACCORDANCE WITH ACI 318 (CURRENT EDITION).

3. MINIMUM CEMENT CONTENT = 500 LBS PER CUBIC YARD.

4. CONCRETE SHALL BE IN CONCRETE AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSIAT 28 DAYS (3,000 PSI FOR SLABS-ON-GRADE).

MAXIMUM SLUMP = 4" PLUS OR MINUS 1" PRIOR TO THE ADDITION OF ADMIXTURES.

THE MAX, AGGREGATE SIZE SHALL BE 3/4" UNLESS MIX DESIGN IS APPROVED BY ENGINEER

PRIOR TO PLACEMENT PRIOR TO PLACEMENT.

CONCRETE AGGREGATES SHALL COMPLY WITH ASTM C33 AND SHALL BE FREE OF CLAY, FOAM,

LUMPS, OR OTHER DELETERIOUS SUBSTANCES. CONCRETE SHALL BE CONSOLIDATED USING CONCRETE VIBRATOR IN ACCORDANCE WITH ACI

309R-05 EXTEROR SLABS SHALL HAVE 6% ± 1% AIR ENTRAINMENT. DO NOT USE AIR ENTRAINMENT ON INTERIOR SLABS (3% MAXIMUM AIR ENTRAINMENT). AIR ENTRAINMENT SHALL COMPLY WITH

INTERIOR SLABS (3% MAXIMUM AIR ENTRAINMENT), AIR ENTRAINMENT SHALL COMPLY WITH ASTM C260.

THE CONTROL JOINT SPACING SHALL BE A MAXIMUM OF 12 OR AS SHOWN ON PLANS FOR A 4" THICK SLAB, PLACE CONTROL JOINTS TO AVOID RE-ENTRANT CORNIERS, MAKE SAWCUTS TO FORM WEAKEN PLANE CONTROL JOINTS AS SOON AS POSSIBLE.

ASONRY NOTES

1. MORTAR MATERIALS:
PORTLAND CEMENT, ASTM C150, TYPE 1
MASONRY CEMENT, ASTM C91, TYPE "S" FOR STD. STRENGTH
CMU, TYPE "M" FOR HIGH STRENGTH CMU, TYPE "M" FOR HIGH STRENGTH CMU.
2. HORIZONTAL JOINT REINFORCEMENT

HORIZONTAL JONT REINFORCEMENT

9 GAUGE, GALVANIZED STEEL WIRE, LADDER TYPE FOR MULTIPLE WYTHE WALLS, TRUSS
TYPE FOR SINGLE WYTHE WALLS.

LIGHTWEIGHT CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 FOR LOAD
BEARING CONCRETE MASONRY UNITS MINIMUM NET AREA COMPRESSIVE STRENGTH OF
1900 PSI. SEE DETAILS FOR LOCATIONS OF HIGH STRENGTH CMJ (FM = 4800 FSI).
GROUT FOR USE IN MASONRY WALLS SHALL CONFORM TO ASTM C476 WITH A MINIMUM
COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. GROUT MIX SHALL HAVE MAXIMUM SLUMP
OF 6".

CONCRETE MASONRY UNITS SHALL BE LAID IN RUNNING BOND WITH FILLL MORTAR COVERAGE 8". NCRETE MASONRY UNITS SHALL BE LAID IN RUNNING BOND WITH FULL MORTAR COVERAGE.

CONCRETE MASOURY DATES TO THE STATE SHELLS AND WESS USE HORIZONTAL JOINT REINFORCEMENT AT 16" CENTERS IN ALL CMU WALLS, UNLESS NOTED OTHERWISE, GROUT SOLID ALL CELLS AND COURSES WITH BAR REINFORCEMENT AND GOUT SOLID ALL CELLS.

5 THE SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF LOAD BEARING CONCRETE MASONRY UNITS AS PUBLISHED BY THE NATIONAL CONCRETE MASONRY ASSOCIATION SHALL APPLY FOR ALL CONCRETE MASONRY UNITS, LOAD BEARING CONSTRUCTION.

GENERAL FRAMING DESIGN NOTES

1. FRAMING STANDARD: COMPLY WITH AF&PA'S "DETAILS FOR CONVENTIONAL WOOD FRAME CONSTRUCTION," UNLESS OTHERWISE INDICATED.

2. ALL EXTERIOR WALLS SHALL BE FRAMED WITH 2x4 STUDS SPACED AT 16° O.C., U.N.O. (MAXIMUM HEIGHT = 10°-0")

3. ALL INTERIOR WALLS SHALL BE FRAMED WITH 2x4 STUDS SPACED AT 16° O.C., U.N.O. (MAXIMUM

HEIGHT = 10°-0")
ALL WALLS TO BE BALLOON FRAMED FROM BOTTOM PLATE TO TOP PLATE, U.N.O. SPECIAL
CARE SHALL BE OBSERVED DURING CONSTRUCTION OF WALLS WITH STUDS GREATER THE 10°

N HEIGHT TO ENSURE CONTINUITY:
USE 12"-LONG 12" DIAMETER ANCHOR BOLTS, 7" MINIMUM EMBEDMENT IN CONCRETE, AT A
MAXIMUM OF 6" ON CENTER AND A MAXIMUM OF 12" FROM CORNERS AND OPENINGS

EXCEEDING 4' N WIDTH.

NAIL 2X BOTTOM PLATE TO RM JOIST BELOW WITH 18D NAILS AT 4" OIC SPACING.

METAL FRAMING ANCHORS: INSTALL METAL FRAMING ANCHORS TO COMPLY WITH

MANUFACTURER'S WRITTEN INSTRUCTIONS DO NOT SPLICE BUILT-UP BEAM MEMBERS BETWEEN SUPPORTS UNLESS OTHERWISE IN

DO NOT SPLICE BUILT-UP BEAM MEMBERS BETWEEN SUPPORTS UNLESS OTHERWISE IN WHERE BUILT-UP BEAMS OR GINCERS OF 2 JINCH NORMALD LIMBERS ON EDGE ARE REQUIRED, FASTEN TOGETHER WITH 3 ROWS OF 18D NALS SPACED NOT LESS THAN 24" O.C. LOCATED ONE ROW 11.5" FROM TOP BEDGE AND ONE ROW 15. FROM BOTTOM EDGE. WHERE MULTIPLY LIV. BEAMS ARE REQUIRED, FASTEN TOGETHER WITH 2 ROWS OF FASTEMMASTER PLATLOK STRUCTURAL WOOD SCREWE, EACH ROW SPACED 18". USE 3.5" LONG FAITLOK SWS FOR 2-PLY LIV., USE 5" LONG SWS FOR 3-PLY LIV.; USE 6.5" LONG FLATLOK SWS FOR 4-PLY LIV., LONGER SCREWS SHALL BE NECESSARY IF PLYWOOD OR OSB SPACERS ARE INSTALLED BETWEEN LIV. PLIES.

FOR BUILT-UP (GANG) COLUMNS, CONNECT EACH PLY W! (2) ROWS OF 10D NALS AT 12" O/C. PROVIDE HORIZONTAL STRAPPING FOR COLLUMN PLIES GREATER THAN 3.

INSTALL EQUIVALENT, SOLID BLOCKING BELOW ALL STUD GROUPS TO ENSURE CONTINUOUS LOAD PART TO THE POUNDATION.

NSTALL EQUIVALENT, SOLID BLOCKING BELOW ALL STILD GROUPS TO ENSURE CONTINUOUS LOAD PATH TO THE FOUNDATION.

LOAD PATH TO THE FOUNDATION.

FLOOR TO FLOOR STRAP TIES: LAP EXTERIOR SHEATHING PANELS AT LEAST 24" ABOVE BOTTOM PLATE OR BELOW TOP FAITE.

SEE FRAMING PLANS FOR ALL BEARING HEADER SIZES. MINIMUM HEADER SIZE 2-26 (U.N.O.).

ALL ROOF FRAMING MUST BE THED TO THE FRAMING BELOW WITH SIMPSON H2.5A TIES, TRUSS SCREWS, OR EQUIVALENT FASTENING MECHANISM.

ALL LUMBER EXPOSED TO CONCRETEMASONIN' OR WEATHER MUST BE PRESSURE TREATED.

ALL FASTENING SHALL CONFORETEMASONIN' OR WEATHER MUST BE GALVANIZED.

ALL FASTENING SHALL CONFORETEMASONIN' OR WEATHER MUST BE GALVANIZED.

ALL FASTENING SHALL CONFORM TO TABLE RED. 2(1) IN THE 2018 INCBCRC APPENDIX M.

ALL DECK FRAMING COMPONENTS ARE TO BE INSTALLED PER 2018 NOBCRC APPENDIX M.

ALL DECK FRAMING COMPONENTS ARE TO BE INSTALLED PER 2018 NOBCRC APPENDIX M.

SHOULD SHALL STRAIN SHALL SHAP OF THE STILDS INTERRUPTED BY YEAR LOPENING SHALL BE PLACE. IMMEDIATELY OUTSIDE THE JACK STUDS ON EACH SIDE OF THE OPENING AS KING STUDS ...

KING STUDS SHALL EXTENDED FULL HIEIGHT FROM SOLE PLATE TO TOP PLATE OF WALL.*

PROVIDE BUNDEL DUISTS BELOW INTERRUPTED BY APPALLEL TO FRAMING U.N.O.

PROVIDE SUDULE JOISTS BELOW INTERRUPTEN WALLS PARALLEL TO THE FLOOR FRAMING U.N.O.

PROVIDE SUDULE JOISTS BELOW INTERRUPTEN WALLS PARALLEL TO THE FLOOR FRAMING U.N.O.

PROVIDE SUDULE JOISTS BELOW INTERRUPTEN WALLS PARALLEL TO THE FLOOR FRAMING U.N.O.

PROVIDE SUDULE JOISTS BELOW INTERRUPTEN WALLS PARALLEL TO THE FLOOR FRAMING U.N.O.

PROVIDES DOUBLE JOISTS BELOW INTERRUPTEN WALLS PARALLEL TO THE FLOOR FRAMING U.N.O.

PROVIDED SUDULE JOISTS BELOW INTERRUPTEN WALLS PARALLEL TO THE FLOOR FRAMING U.N.O.

PROVIDED SUDULE JOISTS BELOW INTERRUPTEN WALLS PARALLEL TO THE FLOOR FRAMING U.N.O.

DIMENSIONAL LUMBER FRAMING

1. MAXIMUM MOISTURE CONTENT: 19%.

2. NO. 2 GRADE OR BETTER (EXCEPT STUD WALLS) AND ANY OF THE FOLLOWING SPECIES:

— HEMFIR (NORTH), NLGA.

— SOUTHERN PINE, SPIB.

— DOUGLAS FIRLARCH, WCLIB OR WWPA.

— MIXED SOUTHERN PINE, SPIB.

SPRUCE-PINE-FIR. NLGA.

HEM-FIR, WCLIB OR WWPA

— HEM-FR, WCLIB OR WWPA.
DOUGLAS FIR-LARCH MORTH), NLGA.
EXTERIOR, LOAD BEARING AND INTERIOR PARTITION WALLS: ANY SPECIES (STUD GRADE OR BETTER) WITH A MODULUS OF ELASTICITY OF AT LEAST 1,300,000 PSI AND EXTREME FIBER STRESS IN BENDING OF AT LEAST 550 PSI FOR 2" NOMINAL THICKNESS AND 12" NOMINAL WIDTH FOR A SINGLE MEMBER USE.
LOISTS, RAFTERS, AND OTHER FRAMING NOT LISTED ABOVE: ANY SPECIES (NO. 2 OR BETTER).

WITH A MODULUS OF ELASTICITY OF AT LEAST 1,300,000 PSI AND AN EXTREME FIBER STRESS IN BENDING OF AT LEAST 850 PSI FOR 2" NOMINAL THICKNESS AND 12" NOMINAL WIDTH FOR

SINGLE MEMBER USE.
USE ONLY KILN DRIED PRESSURE TREATED 2X FOR BLOCKING AT PIERS.

ENGINEERED WOOD PRODUCTS

1. LAMINATED VENEER LUMBER. STRUCTURAL COMPOSITE LUMBER MADE FROM WOOD VENEERS WITH GRAIN PRIMARILY PARALLEL TO MEMBER LENGTHS, EVALUATED AND MONITORED ACCORDING TO ASTIM D5459 AND MANUFACTURED WITH AN EXTERIOR-TYPE ACHESIVE COMPLYING WITH ASTIM D2559 AND CONTAINING NO UREA FORMALDEHYDE.

2. AVAILABLE MANUFACTURERYS: SUBJECTS TO COMPLIANCE WITH REQUIREMENTS, MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK NCLUBE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

— BOISE CASCADE CORPORATION

— GEORGIA-PACFICE

MODULUS OF ELASTICITY, EDGEWISE: 2,200,000 PSI.

BOISE CASCUSE COMPORATION
GEORGIA-PACHIC
LOUISIANA-PACHIC CORPORATION
ROSEBURG FOREST PRODUCTS CO.
WELDWOOD OF CANADA LIMITED, SUBSIDIARY OF INTERNATIONAL PAPER COMPANY
WEYERHAEUSER COMPANY
XTREME FIBER STRESS IN BENDING, EDGEWISE: 3,000 PSI FOR 12° NOMINAL DEPTH MEMBERS.

EXTREME FIBER STRESS IN BENDING, EDGEWISE: 3,000 PSI FOR 12* NOMINAL DEPTH MEMBERS.

WOULUS OF ELASTICITY, EDGEWISE: 2,000.00 PSI.

WRAPPING, WEATHER PROOFING, AND FLASHING REQUIREMENTS/SPECIFICATIONS AT

BOINIERERO WOOD MEMBERS SHALL BE DETERMINED BY OTHERS.

PARALLEL-STRAND LUMBER: STRUCTURAL COMPOSITE LUMBER MADE FROM WOOD STAND

ELEMENTS WITH GRAIN PRIMARILY PARALLEL TO MEMBER LENGTHS, EVALUATED AND

MONITORED ACCORDING TO ASTM D5456 AND MANUFACTURED WITH AN EXTERIOR-TYPE

ADHESINE COMPLYING WITH ASTM D559 AND CONTAINING NO UREAF PORMALDEHYDE.

EXTREME FIBER STRESS IN BENDING, EDGEWISE: 2,900 PSI FOR 12* NOMINAL DEPTH

SHEATHING DESIGN NOTES

1. UNILESS NOTED OTHERWISE: SHEATH ROOF AND WALLS WITH EXPOSURE 1, 7/16"-THICK APA RATED OSB (SPAN RATING 32/16) WITH 8D NAILS AT 6" OVC EDGES, 12" OVC FELD, BLOCKING NOT REQUIRED AT PANIEL EDGES AT ROOF SHEATHING.

2. WHERE TOP CHORD IS DISCONTINUOUS, APPLY MISTCAU STRAP TO COMPLETE THE TENSILE LOAD PATH, POSITION TOP CHORD SPLICES OVER WALL STUDS.

3. INSTALL "In" CLIPS AT PANIEL EDGES BETWEEN EACH RAFTER/TRUSS FOR ALL ROOF SHEATHING WITH RAFTER SPACING GREATER THAN 24"

WITH RAFTER SPACING GREATER THAN 24". NAIL ALL SHEATHING AT GABLE AND EAVE ROOF OVERHANGS WITH 8D NAILS AT 6" O/C EDGES,

6" O/C FIELD. NAIL ALL SHEATHING AT PERIMETER AND PEAK OF ROOF WITH 8D NAILS AT 6" O/C EDGES, 6"

O/C FIELD. NAIL ALL SHEATHING WITHIN 4'-0" OF WALL CORNERS WITH 8D NAILS AT 6" O/C EDGES, 12" O/C FIELD. SUBFLOORING SHALL BE IN ACCORDANCE WITH TABLE R503.1 WITHIN RESIDENTIAL BUILDING

FIELD: SUBFLOORING SHALL BE IN ACCORDANCE WITH TABLE R503.1 WITHIN RESIDENTIAL BUILDING CODE OR ENGINEER APPROVED ALTERNATIVE: MEMBERS AND BLOCKING AT ADJOINING PANEL EDGES SHALL BE MINIMUM 3" NOMINAL OR DOUBLE 2" NOMINAL WITH STAGGERED NALINIG AT ALL PANEL EDGES. HORIZONTAL BLOCKING MAY BE 2X LAID PLAT AGAINTS THEATHING. AT EXISTING STRUCTURE WHERE SHEATHING IS IN PLANE, NEW SHEATHING SHALL BE KEYED IN A MINIMUM OF 2" WITHIN EVERY OTHER SHEATHING PANEL.

FASTEMERS

1. PROVIDE FASTEMERS OF SIZE AND TYPE INDICATED THAT COMPLY WITH REQUIREMENTS SPECFIED IN THIS ARTICLE FOR MATERIAL AND MANUFACTURER.

2. WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER, N GROUND CONTACT, OR IN AREA OF HIGH RELATIVE HUMIDITY, PROVIDE FASTEMERS WITH HOT-DIPPED ZINC COATING COMPLYING

MTH ASTM A153 A153M. POWER DRIVEN FASTENERS: CABO NER-272

WOOD SCREWS: ASTM B18.6.1

WOUD SCREWS: AS IM B18.0.1

LAG BOLTS: SAME B18.21

TS: STEEL BOLTS COMPLYING WITH ASTM A-307, GRADE 1 (ASTM F568M, PROPERTY CLASS
48); WITH ASTM A563 (ASTM A563M) HEX NUTS AND, WHERE INDICATED, FLAT WASHERS.
EXPANSION, ANCHORS: ANCHOR BOLTS AND SLEEVE ASSEMBLY OF MATERIAL INDICATED
BELOW WITH CAPABILITY TO SUSTAIN, WITHOUT FAILURE, A LOAD EQUAL TO 8 TIMES THE LOAD
MPOSED WHEN INSTALLED IN UNIT MASONRY ASSEMBLIES AND EQUAL TO 4 TIMES THE LOAD

MPOSED WHEN INSTALLED IN UNIT MASONINY ASSEMBLIES AND EQUAL TO IMPEST HE WAS THE OWN POSED WHEN INSTALLED IN CONCRETE AS DETERMINED BY TESTING PER ASTM EAS CONDUCTED BY A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY.

MATERIAL: CARBON-STEEL COMPONENTS, ZINC PLATED TO COMPLY WITH ASTM B633, CASS

EPOXY ADHESIVE ANCHORS

1. ALL EPOXY SHALL BE SIMPSON BRAND "SET" EPOXY SYSTEM, OR APPROVED EQUAL, UNLESS

NOTED OTHERWISE. BY STRUCTURE STRUCT

ANCHOR BOLTS INTO FOUNDATION: ASTM F1554, GRADE 36

ANCHOR BOLTS INTO FOUNDATION: ASTM F1554, GRADE S8

ALL OTHER APPLICATIONS: ASTM 301, UN O.

ALL EPOXY ANCHOR BOLTS AND REBAR DOWELS SHOULD BE CLEAN AND OIL FREE.
CONCRETE DUST SHALL BE REMOVED FROM ALL DRILLED HOLES BY USE OF A NYLON BRUSH
AND OIL FREE COMPRESSED AIR. CORRECT PROCEDURE INVOLVES BLOWING THE DUST OUT
OF THE HOLE, BRUSHING THE HOLE CLEAN, AND THEN BLOWING AGAIN.

DRILLED HOLES SHALL BE KEPT DRY AND ANY STANDING WATER MUST BE BLOWN OUT WITH
OIL FREE COMPRESSED AN AND ALLOWED TO DRY PRIOR TO EPOXY NSTALLATION.

EPOXY SHALL NOT BE INSTALLED IN CONCRETE WHICH IS LESS THAN 7 DAYS OLD.

EPOXY SHALL NOT BE MISTALLED IN CONCRETE WHICH IS LESS THAN 7 DAYS OLD.

EPOXY HOLESIVES MUST BE ALLOWED THE FULL CURE TIME AS SPECIFIED BY THE
MANUFACTURER PRIOR TO APPLICATION OF ANY LOAD AND ANCHOR BOLTS OR REBAR

DOWELS MUST REMAIN UNDISTURBED DURING THIS SETTING PERIOD.

EPOXY ADHESIVE ANCHORS ARE NOT TO BE USED EXCEPT WHERE SPECIFICALLY INDICATED

ON PLANS.

SHEET INDEX

ANS & DETAILS
ILS PL/

TYPICAL ABBREVIATIONS

HEADER AND STUD SCHEDULE (U.N.O.)

A JACK STUDS / 2x KING STUDS	(#)J/(#)K
x STUD COLUMN	(#)SC
EADERS NOT LABELED	2-2x8
LOCKING BELOW PT. LOADS	\boxtimes

NOTE: HEADERS IN NON-LOAD BEARING INTERIOR WALLS ARE NOT SHOWN FOR CLARITY AND SHALL BE A MIN. 2-2x4

H Bi

	FOUNDATION SCHEDULE							
MARK	LENGTH	WIDTH	DEPTH	REINFORCEMENT				
W1.33	CONT.	1'-4"	0'-10"	(2) #4 CONT. REBAR AND #4 TRANSVERSE REBAR AT 48" O.C				
W2.0	CONT.	2'-0"	1'-0"	(3) #4 CONT. REBAR AND #4 TRANSVERSE REBAR AT 32" O.C.				
W3.0	CONT.	3'-0"	1'-0"	(5) #4 CONT. REBAR AND #4 TRANSVERSE REBAR AT 24" O.C.				
F1.33	1'-4"	1'-4"	0'-10"	NOT REQUIRED				
F2.0	2'-0"	2'-0"	1'-0"	NOT REQUIRED				
F2.5	2'-6"	2'-6"	1'-0"	(3) #4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM				
F3.0	3'-0"	3'-0"	1'-0"	(4) #4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM				
F3.5	3'-6"	3'-6"	1'-0"	(5) #4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM				
F4.0	4'-0"	4'-0"	1'-0"	(5) #4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM				



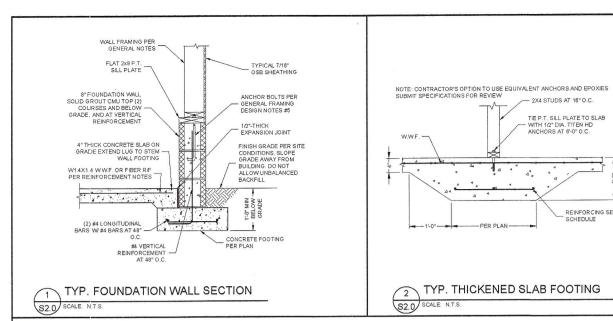


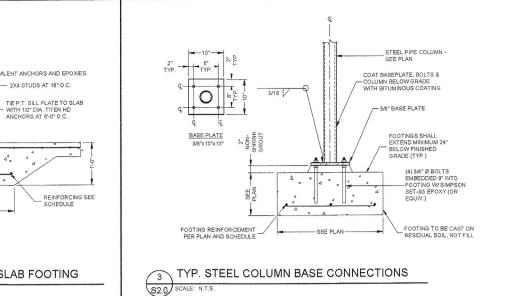


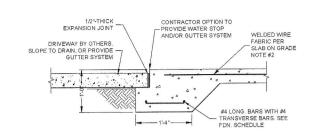
PLANS EVANS GARAGE ON STRUCTURAL 3 H S ASBE IER, 5 CHAS ANGIE 295 ADDITI

REVISIONS FOR CONSTRUCTION 0 03.28.2025 SCALE AS SHOWN REVIEWED BY TLT DRAWN BY DATE MARCH 28, 2025

S_{1.0}



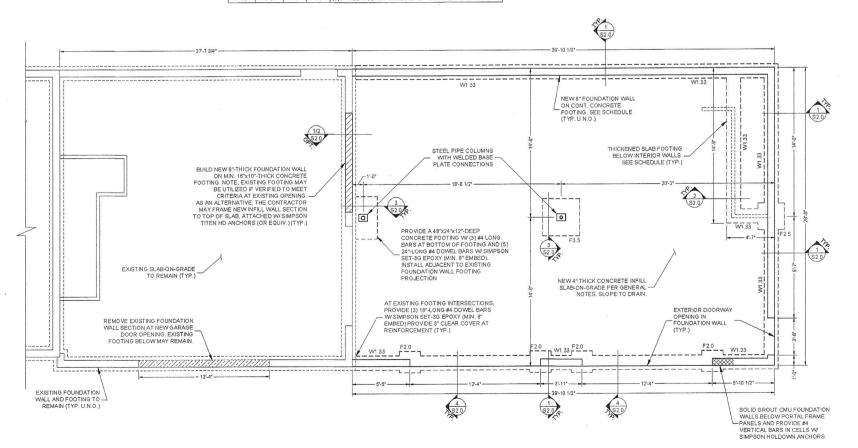




TYP. GARAGE OPENING FOOTING

S2.0 SCALE: N.T.S.

| MARK | LENGTH | WIDTH | DEPTH | DEPTH | REINFORCEMENT | REINFORCEMENT | W1.33 | CONT. | 1'-4" | 0'-10" | (2)#4 CONT. REBAR AND #4 TRANSVERSE REBAR AT 48" O.C. | W2.0 | CONT. | 2'-0" | 1'-0" | (3)#4 CONT. REBAR AND #4 TRANSVERSE REBAR AT 32" O.C. | W3.0 | CONT. | 3'-0" | 1'-0" | (5)#4 CONT. REBAR AND #4 TRANSVERSE REBAR AT 24" O.C. | F1.33 | 1'-4" | 1'-4" | 0'-10" | NOT REQUIRED | F2.0 | 2'-0" | 2'-0" | 1'-0" | NOT REQUIRED | F2.5 | 2'-6" | 2'-6" | 1'-0" | (3)#4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM | F3.0 | 3'-0" | 3'-0" | 1'-0" | (4)#4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM | F3.5 | 3'-6" | 3'-6" | 1'-0" | (5)#4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM | F4.0 | 4'-0" | 4'-0" | 1'-0" | (5)#4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM | F4.0 | 4'-0" | 4'-0" | 1'-0" | (5)#4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM | F4.0 | 4'-0" | 4'-0" | 1'-0" | (5)#4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM | F4.0 | 4'-0" | 4'-0" | 1'-0" | (5)#4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM | F4.0 | 4'-0" | 4'-0" | 1'-0" | (5)#4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM | F4.0 | 4'-0" | 4'-0" | 1'-0" | (5)#4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM | F4.0 | 4'-0" | 4'-0" | 1'-0" | (5)#4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM | F4.0 | 4'-0" | 4'-0" | 1'-0" | (5)#4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM | F4.0 | 4'-0" | 4'-0" | 1'-0" | (5)#4 REBAR, EACH WAY, EVENLY SPACED, BOTTOM | 5'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" |



FOUNDATION PLAN

SCALE: 1/4" = 1'-0"





EVANS GARAGE
ADDITION STRUCTURAL PLANS
295 CHASBEE LN.
ANGIER, NC

REVISIONS

NO. DATE DESCRIPTION

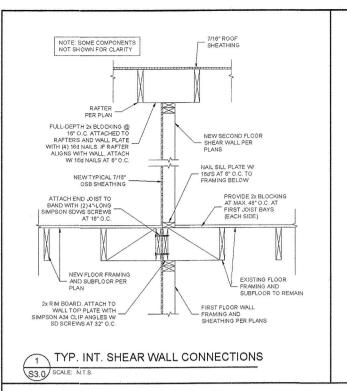
0 03 29 2025 FOR CONSTRUCTION

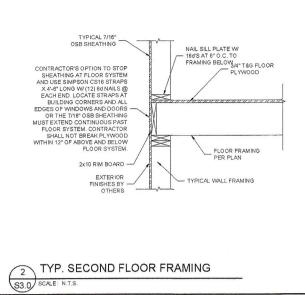
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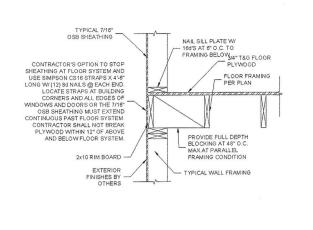
REVIEWED BY: TLT

DATE MARCH 28, 2025

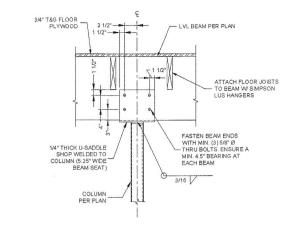
S2.0







3 TYP. SECOND FLOOR BLOCKING S3.0 SCALE: NT.S.



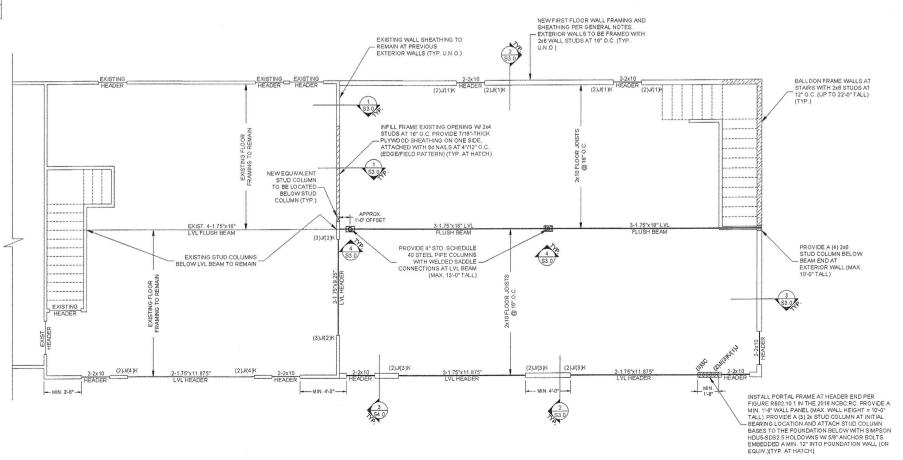
TYP. STEEL COLUMN AND BEAM ATTACHMENTS

\$3.0 SCALE: N.T.S.

HEADER AND STUD SCHEDULE (U.N.O.)

2x JACK STUDS / 2x KING STUDS	(#)J/(#)K
2x STUD COLUMN	(#)SC
HEADERS NOT LABELED	2-2x8
BLOCKING BELOW PT. LOADS	\boxtimes

NOTE: HEADERS IN NON-LOAD BEARING INTERIOR WALLS ARE NOT SHOWN FOR CLARITY AND SHALL BE A MIN. 2-2x4



FIRST FLOOR CEILING FRAMING PLAN

SCALE: 1/4" = 1'-0"



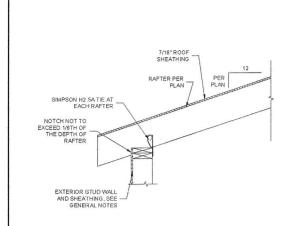


EVANS GARAGE ADDITION STRUCTURAL PLANS 295 CHASBEE LN. ANGIER, NC

REVISIONS						
NO.	DATE	DESCRIPTION				
0	03.28.2025	FOR CONSTRUCTION				
_						
5	CALE:	AS SHOWN				
REVIEWED BY:		TLT				
DOMAN DV		71.7				

S3.0

DATE



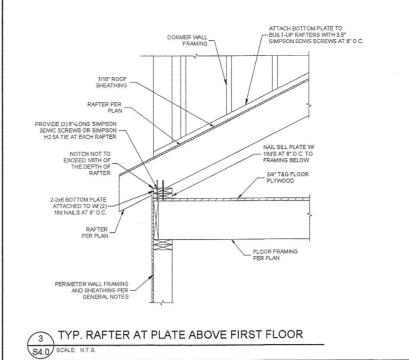
1 TYP. RAFTER AT EXTERIOR WALL

S4.0 SCALE: N.T.S.

PLYWOOD AND 2x SPACERS (AS REQ'D.) (TYP.) AS AN ALTERNATIVE TO AS AN ALIERNATIVE TO STRAPS, INSTALL FULL-HEIGHT KING STUDS ATTACHED TO RIDGE WITH (3) 4"-LONG SIMPSON SDWS SCREWS (OR EQUIV.)(TYP.) RIDGE BEAM PER PLAN (TYP.) ATTACH TO EACH SUPPORTING STUD W/(2) 16d NAILS TO RIDGE (TYP.) STUD COLUMN PER CONNECT EACH STUD PLY TO FRAMING BELOW W/ (1) SIMPSON SDWC15600 SIMPSON CS-16 STRAP (MIN. 30" LONG) CENTERED AT THE JOINT BETWEEN THE RIDGE AND STUD COLUMN (TYP.)

2 TYP. RIDGE STUD COLUMN CONN.

S4.0 SCALE: N.T.S.

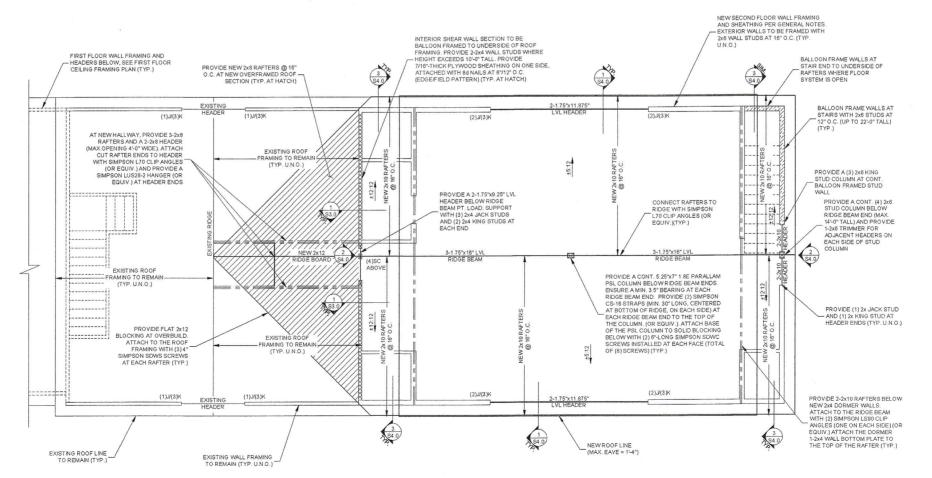


NOT USED
S4.0 SCALE: N.T.S.

HEADER AND STUD SCHEDULE (U.N.O.)

2x JACK STUDS / 2x KING STUDS	(#)J/(#)K
2x STUD COLUMN	(#)SC
HEADERS NOT LABELED	2-2x8
BLOCKING BELOW PT. LOADS	M

NOTE: HEADERS IN NON-LOAD BEARING INTERIOR WALLS ARE NOT SHOWN FOR CLARITY AND SHALL BE A MIN. 2-2x4



NEW ROOF AND SECOND FLOOR CEILING FRAMING PLAN





PLANS EVANS GARAGE ADDITION STRUCTURAL

295 CHASBEE LN. ANGIER, NC

REVISIONS SCALE: ASSHOWN REVIEWED B TLT TLT

S4.0

MARCH 28, 2025

DATE