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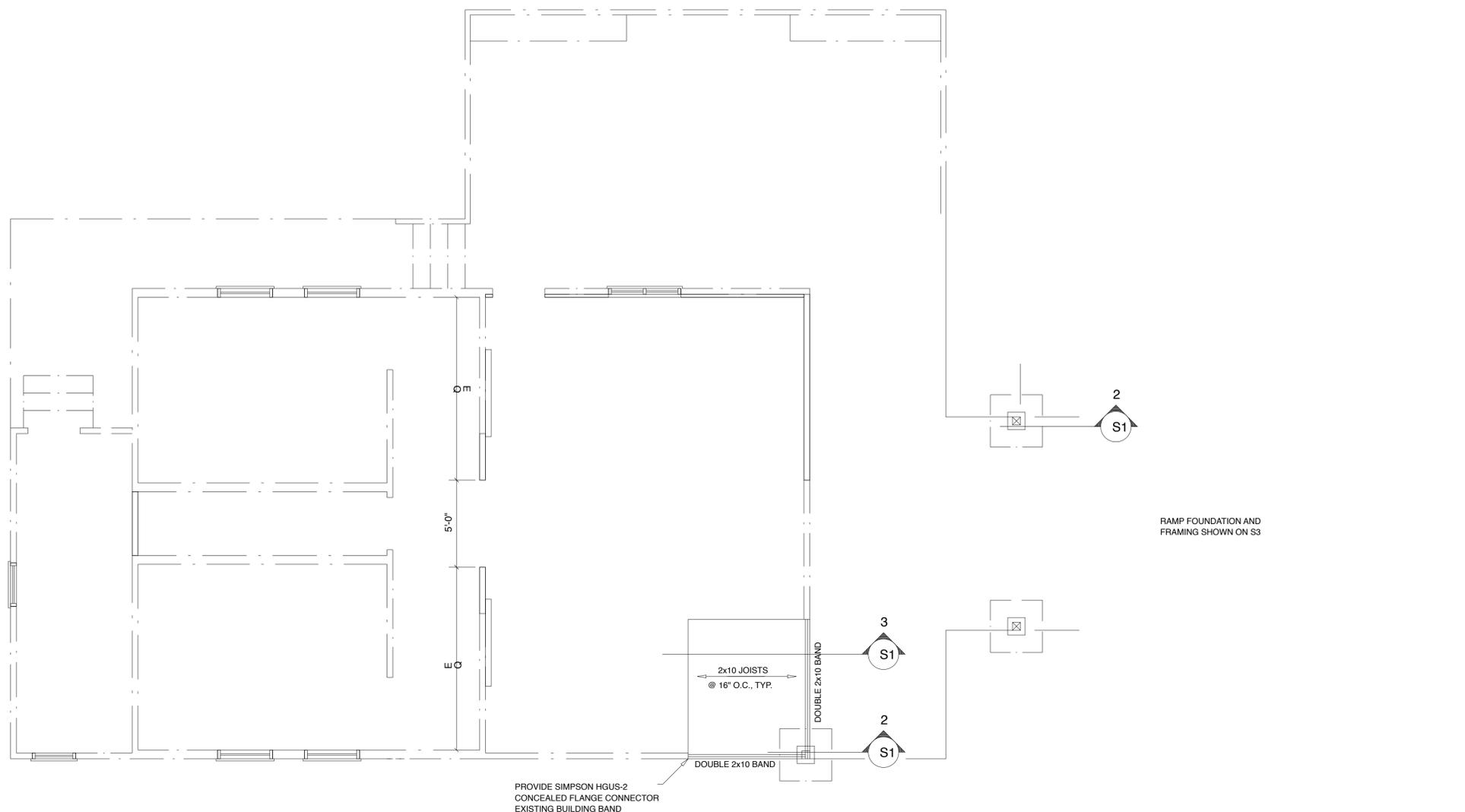
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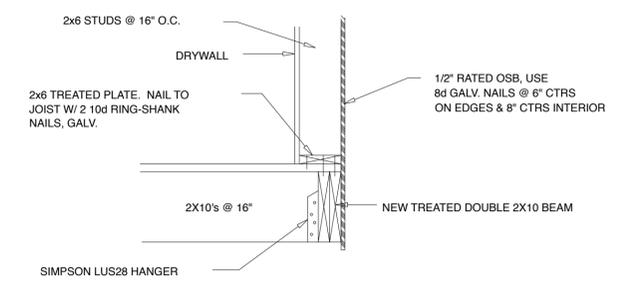
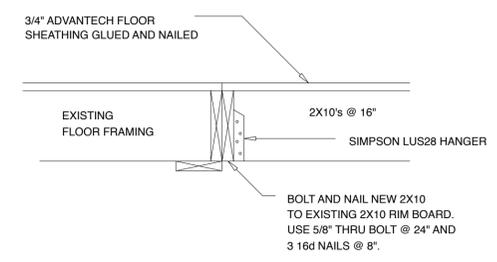
2 PIER FOOTING
 SCALE: 1" = 1'-0"

NOTE: ALL HARDWARE AND/OR FASTENERS THAT COME IN CONTACT WITH ANY TREATED LUMBER SHALL BE HOT-DIPPED GALVANIZED, STAINLESS STEEL, OR APPROVED CORROSION RESISTANT.

FOOTING SCHEDULE

MARK	SIZE	REINFORCING
a	3'-0" x 3'-0" X12" FOOTING	4 #5's EACH WAY

ALL FOOTINGS BASED ON 2000 PSF BEARING CAPACITY. CONTRACTOR RESPONSIBLE FOR MEETING THIS REQUIREMENT.



3 FRAMING @ ADDITION
 SCALE: 1" = 1'-0"

STATE ID# 16-16033-01A
 WBS ELEMENT 51213.011

PROJECT TITLE
CHEROKEE COUNTY REST AREA
 US 19 AND COVER STREET
 ANDREWS, NORTH CAROLINA

PROJECT NO.
1504a
 DRAWING TITLE
FOUNDATION

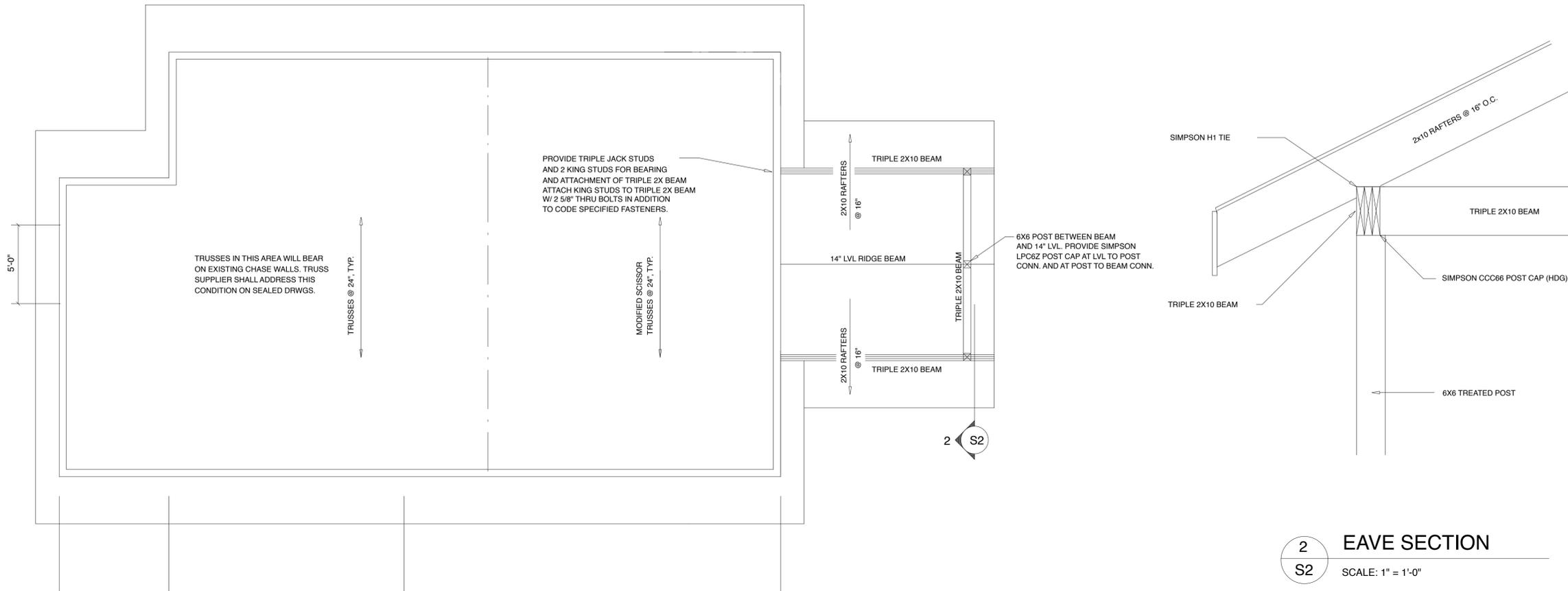
SHEET 1 OF 4



PLOT DATE 10/11/16
 REVISION 00/00/08

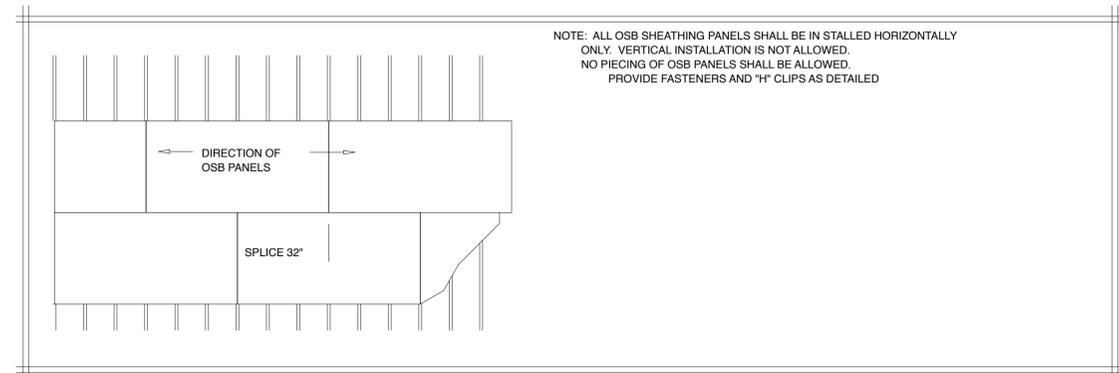
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SEE ARCHITECTURAL FOR ALL TRUSS PROFILES AND DIMENSIONS



1
S2 **ROOF FRAMING**
SCALE 1/4" = 1'-0"

2
S2 **EAVE SECTION**
SCALE: 1" = 1'-0"



ROOF DIAPHRAGM SHEATHING

ROOF FRAMING NOTES

- ROOF TRUSS FABRICATOR SHALL FURNISH SHOP DRAWINGS, ENGINEERING DESIGN COMPUTATIONS, ALL CONNECTIONS AND DETAILS, ALL BRIDGING AND BRACING FOR TRUSSES AS SHOWN IN PROFILE. ALL BEARING THE SEAL OF A REGISTERED ENGINEER SHOWING REGISTRATION IN THE STATE OF NORTH CAROLINA. THE PLACEMENT OF THE ENGINEER'S SEAL WITH THE ENGINEER'S SIGNATURE AND DATE SEALED AND SIGNED CERTIFIES THAT THE WORK HAS BEEN DESIGNED AND CHECKED BY THE ENGINEER AND THAT THE DESIGN AND WORK MEETS THE SPECIFIED REQUIREMENTS AND THE NORTH CAROLINA STATE BUILDING CODE. TRUSS LATERAL X-BRACING, TOP & BOTTOM CHORD LATERAL BRACING SHALL BE AS DEFINED IN HIB-91 FOR PITCHED ROOFS. BRACING SHALL BE SYP #2 (MIN. 2X4'S) AND NAILED AT EACH CONNECTION W/ A MINIMUM OF 2-16d GALVANIZED NAILS. SUBMIT SEALED DRAWINGS TO THE STRUCTURAL E.O.R.
- DESIGN LOADS
ROOF TRUSSES:
DEAD LOAD = 12 PSF
LIVE LOAD = 20 PSF
SNOW LOAD = 15 PSF
LIVE LOAD MECH. ATTIC = 50 PSF
- PROVIDE THE REQUIRED CAMBER IN EACH ROOF TRUSS SO THAT THE D.L. AND L.L. DEFLECTION SHALL BE THE SAME IN ALL PLANES. CAMBER FOR LONG TERM DEAD LOAD DEFLECTION.
- ALL WOOD MEMBERS USED SHALL BEAR THE IDENTIFICATION GRADE AS CALLED FOR IN THE FABRICATOR'S ENGINEERED AND SEALED DESIGN COMPUTATIONS.
- LUMBER SHALL NOT BE LESS THAN GRADE NO. 2 SOUTHERN YELLOW PINE OR AS ALLOWED BY FABRICATOR'S ENGINEERED AND SEALED DESIGN COMPUTATIONS.
- LUMBER SHALL BE GRADED AND MARKED BY SOUTHERN PINE INSPECTION BUREAU.
- THE ERECTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE BRACING TO RESIST ALL FORCES ENCOUNTERED DURING ERECTION.
- THE ERECTOR SHALL INSTALL ALL BRIDGING AND BRACING AS CALLED FOR BY THE SEALED SHOP DRAWINGS AND COMPUTATIONS.
- ANCHORS FOR ROOF TRUSSES SHALL BE AS MANUFACTURED BY SIMPSON STRONG TIE CO., OR USP
- MODIFIED SCISSOR TRUSSES SHALL HAVE A MAX DEFLECTION OF 1/2" AND A MAX. THRUST OF 1/4". VERIFY THESE CONDITIONS ON SEALED DRAWINGS SUBMITTED TO THE STRUCTURAL E.O.R.

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PROJECT TITLE
**CHEROKEE COUNTY
REST AREA**
US 19 AND COVER STREET
ANDREWS, NORTH CAROLINA

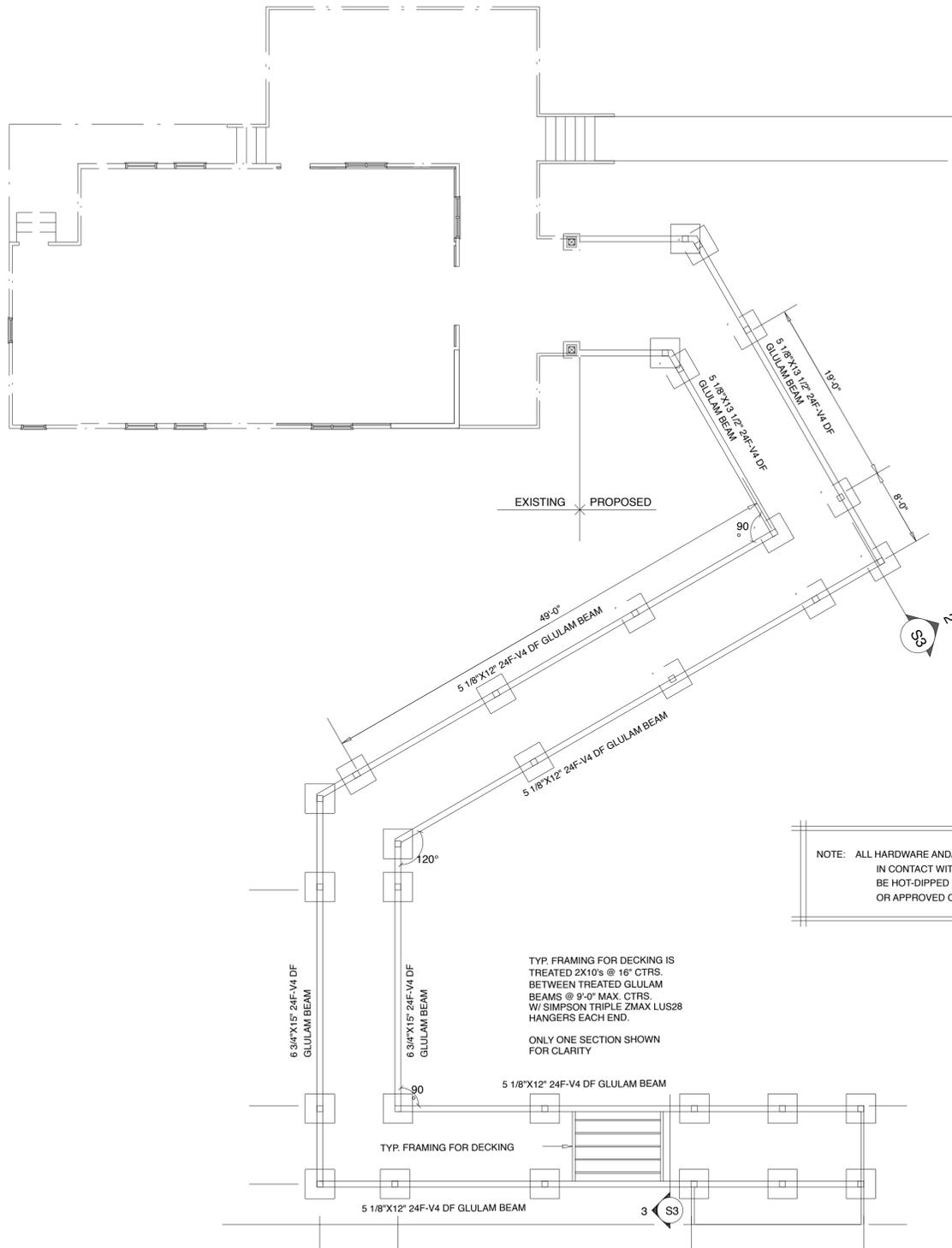
PROJECT NO.
1504a
DRAWING TITLE
ROOF

SHEET 2 OF 4

S2

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REVISION 00/00/08

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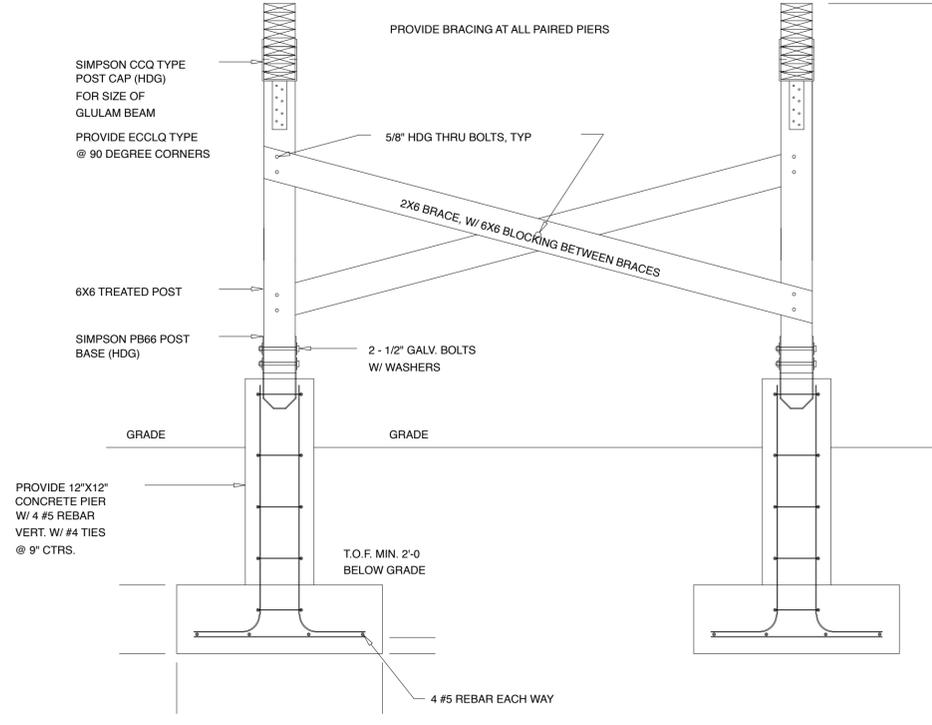


1
S3 **ELEVATED WALKWAY FRAMING PLAN**
SCALE 1/8" = 1'-0"

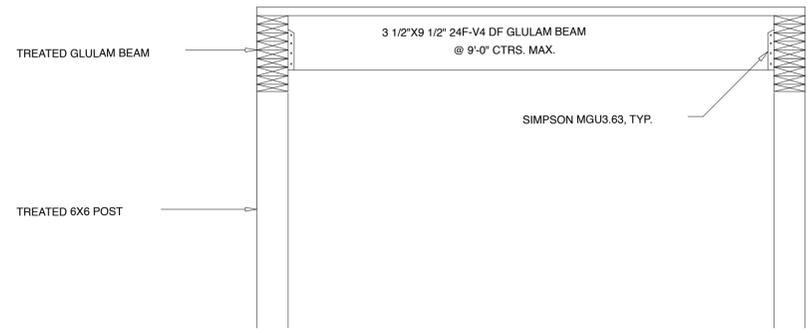
FOOTING SCHEDULE

MARK	SIZE	REINFORCING
a	3'-0" x 3'-0" X12" FOOTING	4 #5's EACH WAY

ALL FOOTINGS BASED ON 2000 PSF BEARING CAPACITY. CONTRACTOR RESPONSIBLE FOR MEETING THIS REQUIREMENT.



2
S3 **ELEVATED WALKWAY PIER FOOTING**
SCALE: 1" = 1'-0"



3
S3 **ELEVATED WALKWAY FRAMING SECTION**
SCALE: 3/4" = 1'-0"

STATE ID# 16-16033-01A
WBS ELEMENT 51213.011

PROJECT TITLE
CHEROKEE COUNTY REST AREA
US 19 AND COVER STREET ANDREWS, NORTH CAROLINA

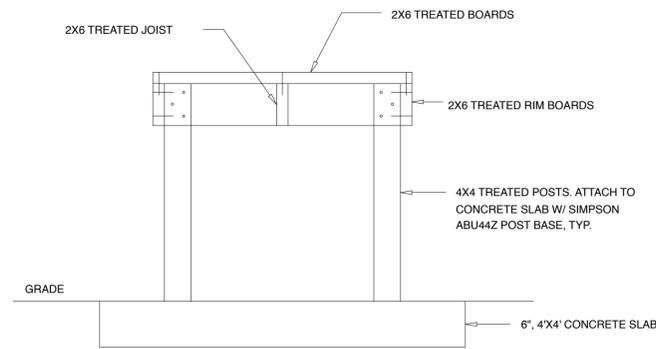
PROJECT NO.
1504a
DRAWING TITLE
ELEVATED WALKWAY

SHEET 3 OF 4

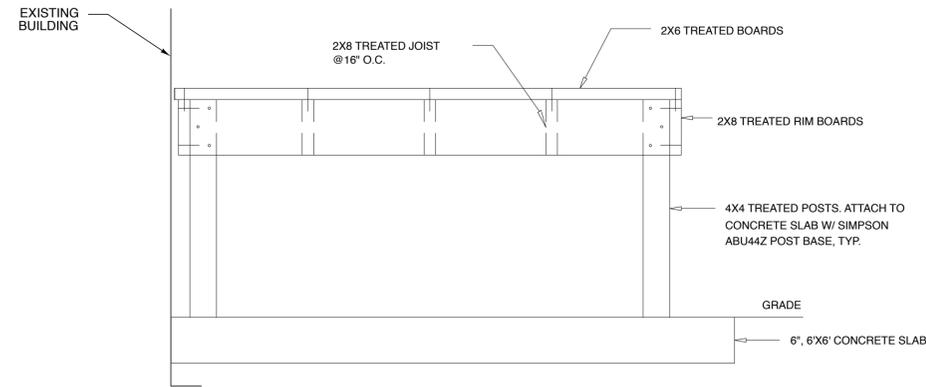


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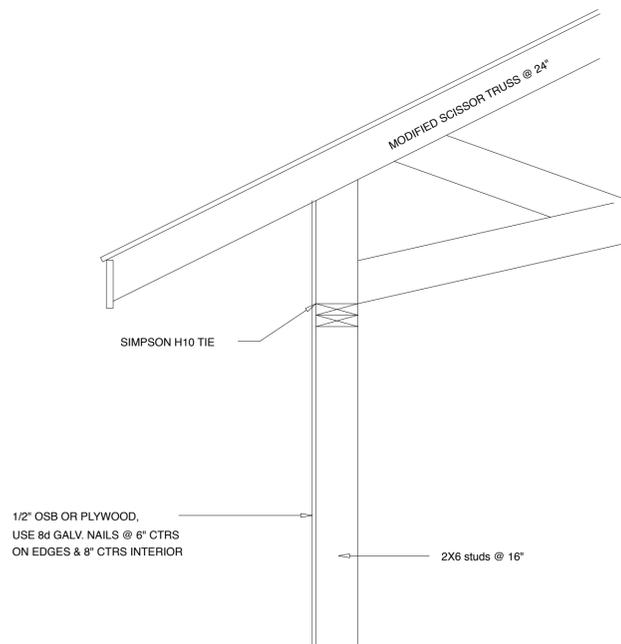
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1
S4 HVAC SUPPORT PLATFORM
SCALE: 1" = 1'-0"



3
S4 PLATFORM AT REAR STAIR
SCALE: 1" = 1'-0"



2
S4 MOD. SCISSOR TRUSS
EAVE SECTION
SCALE: 1" = 1'-0"

GENERAL NOTES

DESIGN:

- Structural design conforms to the requirements of the "North Carolina Building Code, 2012 Edition".
- Live Loads used in Design:
Roof 20 psf
Floors 100 psf
- Dead Loads used in Design:
Roof 10 psf
- Design wind velocity = 90 mph for Cherokee Co.

FOUNDATIONS:

- Foundation design is based on presumed soil bearing capacities from the latest edition of the NCSBC.
- Allowable soil bearing pressure 2000 psf
In areas where the soil does not yield this bearing stress value, do not proceed with work until the value is obtained. Proper design adjustment of footing depth and dimensions may be required by the structural engineer. The contractor shall make adjustments in the foundation work as required by the structural engineer.
- Footing elevations shall not be raised or lowered without approval of the structural engineer.
- Place concrete for footings after cleaning existing concrete footing in area. Dowel rebar into existing footing as shown on drawings. New column footing shall bond with existing footing. Notify engineer if assumed footing does not match footing shown on drawing.
- Any fill inside the building shall be select material, free from roots, trash, wood scraps, and other extraneous materials. Plasticity index shall be 25 or less. Place fill in lifts not exceeding 4" and compact each lift to 95% density at optimum moisture content as measured by ASTM D698.

CONCRETE:

- All concrete, unless otherwise noted, shall be normal weight (N.W.) with a maximum unit weight of 150 pounds per cubic foot. Concrete shall have a 28 day compressive strength, as specified below, for the respective areas:

Footings, slabs	3,000 psi N.W.
-----------------	----------------
- Concrete work shall conform to the "Building Code Requirements for Reinforced Concrete", ACI 318, latest edition.
- Place 1/2" expansion joint material between edges of slabs and vertical surfaces U.O.N.
- Provide construction of control joints in slabs at locations shown on drawings, at offsets and changes in direction and at 30 feet maximum.

REINFORCING STEEL:

- Reinforcing shall conform to ASTM A615 and shall be Grade 60, unless otherwise noted.
- Welded wire fabric shall be new billet steel, cold drawn, conforming to ASTM A615 and shall be supplied in sheet form.
- Bar supports, design, detailing, fabrication, and placing of reinforcing bars shall be in accordance with the ACI code and detailing manual.
- Unless otherwise noted on the drawings, lap splices shall be 40 bar diameters or 12", whichever is greater.
- Provide bars at the corners and intersections of concrete walls and wall footings of the same number and size as longitudinal bars.
- Fabricate continuous bars in footings to the longest practical length.

DIMENSIONS:

- The general contractor shall be responsible for reviewing the dimensions of the structural drawings and advising the Engineer of any discrepancies between general and structural drawings prior to commencing work.

MASONRY:

- Concrete masonry units shall conform to the requirements of ASTM C90.
- Required compressive strength of masonry assemblage, f_m, is 1350 psi.
- Mortar shall be type S.
- Grout for hollow masonry shall have a 28 day compressive strength of 3000 psi and be normal weight pea gravel concrete.
- Brick masonry units shall conform to the requirements of ASTM C 216.

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DocuSigned by:
Bill Ratterree
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10/12/2016

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**CHEROKEE COUNTY
REST AREA**
US 19 AND COVER STREET
ANDREWS, NORTH CAROLINA

PROJECT NO.
1504a

DRAWING TITLE
DETAILS & NOTES

SHEET 4 OF 4

S4

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