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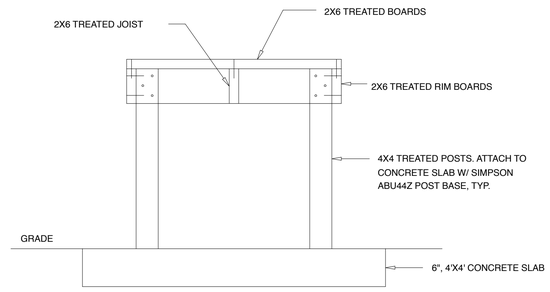
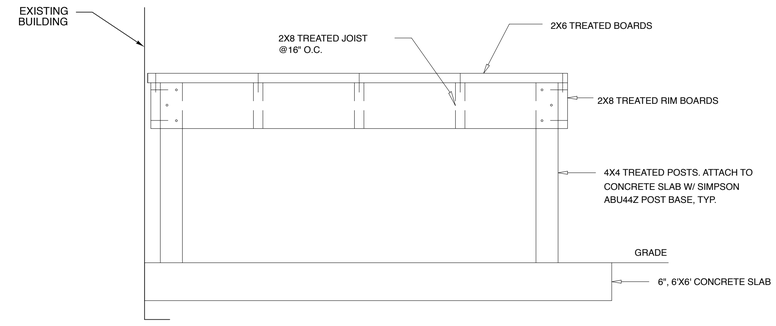


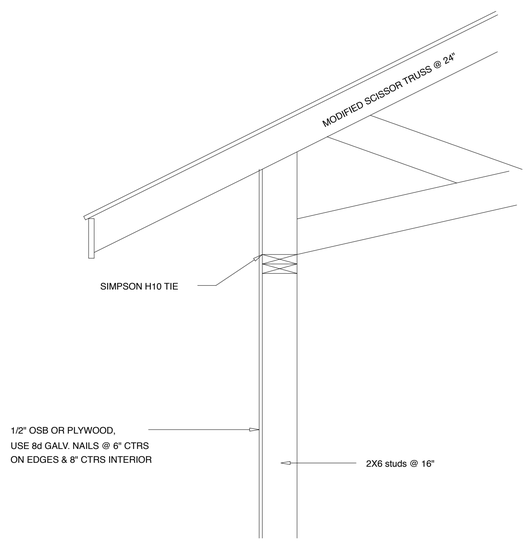
1 / S4 HVAC SUPPORT PLATFORM

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:

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

FOUNDATIONS:

1. Foundation design is based on presumed soil bearing capacities from the latest edition of the NCSBC.
2. 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.
3. Footing elevations shall not be raised or lowered without approval of the structural engineer.
4. 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.
5. 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:

1. 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.
2. Concrete work shall conform to the "Building Code Requirements for Reinforced Concrete", ACI 318, latest edition.
3. Place 1/2" expansion joint material between edges of slabs and vertical surfaces U.O.N.
4. 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:

1. Reinforcing shall conform to ASTM A615 and shall be Grade 60, unless otherwis noted.
2. Welded wire fabric shall be new billet steel, cold drawn, conforming to ASTM A815 and shall be supplied in sheet form.
3. Bar supports, design, detailing, fabrication, and placing of reinforcing bars shall be in accordance with the ACI code and detailing manual.
4. Unless otherwise noted on the drawings, lap splices shall be 40 bar diameters or 12", whichever is greater.
5. Provide bars at the corners and intersections of concrete walls and wall footings of the same number and size as longitudinal bars.
6. Fabricate continuous bars in footings to the longest practical length.

DIMENSIONS:

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

MASONRY:

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

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SEAL:

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10/12/2016

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
DETAILS & NOTES

SHEET 4 OF 4

S4

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

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