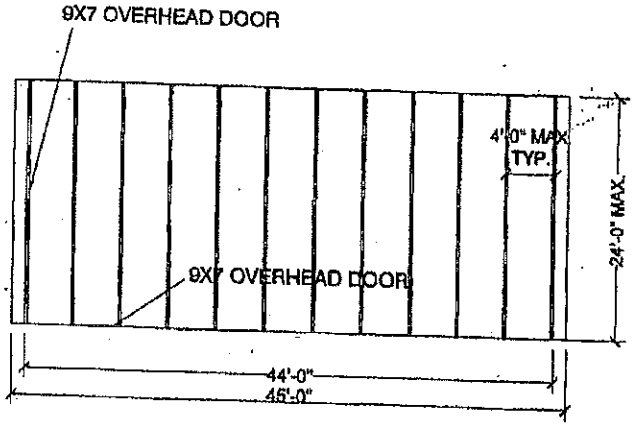
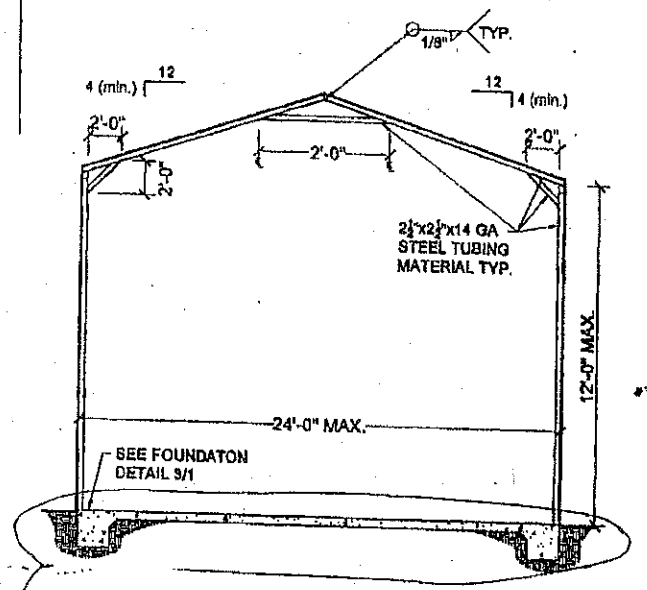
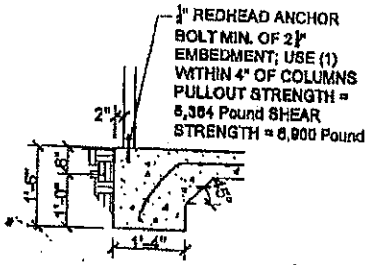


1/1 ROOF FRAMING PLAN
N.T.S.



2/1 TYPICAL BUILDING SECTION
N.T.S.



3/1 FOUNDATION DETAIL
N.T.S.

FOUNDATION:

1. ALL CONCRETE SHALL BE MIN. 2,500 P.S.I. AT 28 DAYS. ALL REBAR SHALL BE GRADE 60 OR BETTER #5. FOUNDATIONS SHALL HAVE (2)#5 REBAR CONTINUOUS.

2. MINIMUM SOIL BEARING SHALL BE 2,000 P.S.F.

3. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH THE North Carolina Residential Code, LATEST EDITION. OSHA, AISC CODES AND ALL APPLICABLE LOCAL REQUIREMENTS.

FRAME:

1. ALL STEEL (NOT INCLUDING SIDING) SHALL HAVE A MINIMUM *Fy*=55KSI.

2. STEEL TUBING SHALL BE 2½"x2½"x14 GA. MATERIAL. STEEL TUBING INSERTS SHALL BE 2½"x2½"x14 GA. MATERIAL.

3. ALL WELDS SHALL BE SHOP WELDS AS NOTED.

SIDING:

1. ALL STEEL ROOFING AND SIDING SHALL HAVE A MINIMUM *Fy*=80ksi.

2. The hat channel shall be placed with the center to center distance of the frame system may be placed 4'-0" o.c.

MECHANICAL FASTENERS:

1. ALL FASTENERS TO THE STEEL FRAME SHALL BE ¼"X1" LONG MINIMUM.

2. ALL STITCH FASTENERS OF ROOFING MATERIAL SHALL BE #12X¾" LONG MINIMUM.

3. CONNECTION OF FRAME TO CONCRETE SHALL BE WITH ½"X6" SLEAVE ANCHORS LOCATED WITHIN 6" OF COLUMNS.

DESIGN LOADING:

1. LOADING FROM IRC '06 (NC '09) WIND AND SNOW CODE.

2. WIND SPEED: 90 MPH
IMPORTANCE CLASSIFICATION: TYPE I
IMPORTANCE FACTOR: 0.87
EXPOSURE: B
GCPi= ±0.18
EXPOSURE CLASSIFICATION: ENCLOSED

3. ROOF LIVE LOAD: 10 PSF
SPECIAL SCAFFOLDING REQUIRED AS A WORK SURFACE FOR WORKMEN AND MATERIALS DURING ROOF MAINTENANCE AND REPAIR.

4. DEAD LOAD: 2 PSF

5. GROUND SNOW LOAD: 15 PSF

6. BUILDING CLASSIFICATION: II-B

24' Wide Open
As Manufactured By:
"Steel Buildings and Structures"
6833 South Carolina Avenue
Boonsville, NC 27011
1-336-367-6600 (Tel.)

License # C-3421
ACE Solutions Inc.
950 Graves Street
Suite C
Kernersville, NC
27284
336/993-5114

Location:
Winston-Salem,
North Carolina

Date:
06-09-11

Scale:
As Noted

Drawn By:
KRA

Checked By:
KRA

Sheet Title:
Plan and Section

Sheet No.:
S1 of S1

NORTH CAROLINA PROFESSIONAL 17224 9/11 ENGINEER KEVIN R. ADAMS

Setting on gravel — NO footings T.T