

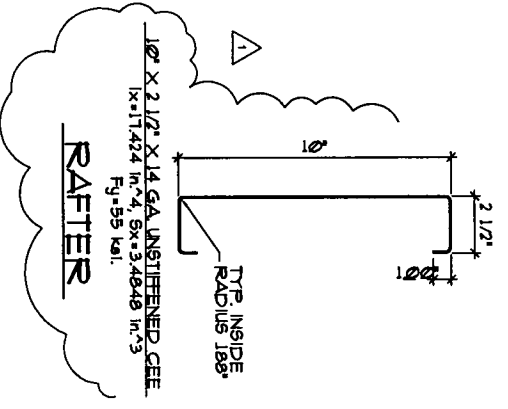
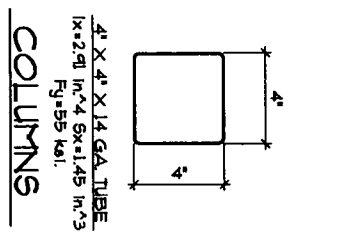
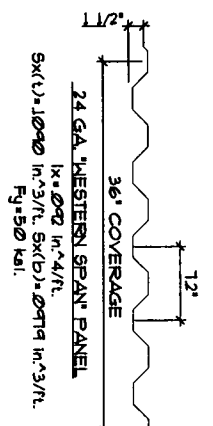
FOUNDATION & FRAMING PLAN
SCALE: 3/8" = 1'-0"

ELEVATION
SCALE: 3/8" = 1'-0"

BASE PLATE SOLD SEPARATELY
BOLTS NOT SUPPLIED

NOTE: STRUCTURE SHALL NOT BE MODIFIED OR ALTERED WITHOUT WRITTEN PERMISSION FROM WESTERN STATES DECKING. ANY STRUCTURAL CALCULATION REQUIRED FOR ANY MODIFICATION.

DECK PROFILE



<p>1A) STANDARD FOOTING N.T.S.</p>	<p>1B) CAISSON FTG. W/ BASE PLATE N.T.S.</p>
<p>4) ROOF DECK CONNECTION N.T.S.</p>	<p>5A) OPT. SPREAD FTG. N.T.S.</p>
<p>5B) OPT. SPREAD FOOTING N.T.S.</p>	<p>2) PURLIN TO COLUMN CONN. N.T.S.</p>
<p>6) FASCIA CHANNEL DETAIL N.T.S.</p>	<p>3) BASE PLATE DETAIL N.T.S.</p>

GENERAL STRUCTURAL NOTES

- CODE: 2009 International Building Code, 2007 American Iron and Steel Institute Handbook of Cold-Formed Steel Design w/ 2008 Supplement.
- Load: Roof Live Load = 40 PSF (snow), Wind Load Base = 90 MPH, Exposure 'C', Occupancy Category = II, Seismic Design Category = 0.
- Foundations: Allowable soil bearing value is 1500 PSF at 24" below finish grade or existing natural grade, whichever is the lower elevation. Round or square caisson footing embedment depths for footings do not apply to locations where walls of the hole will not stand without supplemental support, or where UNCOMPACTED fill of organic fill material exists. Design lateral soil pressure per IBC Table 18-1-A for Class 5 soils.
- Concrete: All concrete herein required shall be done in accordance with ACI Standard 301-05. Specifications for Structural Concrete for Buildings, which is hereby made a part of these documents, with the following modifications:
 Para 2.1.2 Concrete shall comply with ASTM C150, Type II, and shall contain no flyash.
 Para 3.2.7 Concrete shall be 2500 PSI minimum for all concrete at 28 days.
 Para 4.1.3 The use of earth casts for forms is permitted.
 Para 5.2 Reinforcing shall be new deformed steel complying with ASTM A615, Grade 40.

- Structural Steel: All structural steel shall be ASTM A36 (Fy=36,000 PSI) or ASTM A 572 GRADE 50 (Fy=50,000PSI); All pipe shall be ASTM A 501 (Fy=36,000 PSI) or ASTM A53, Type 'C' or 'S', grade 'B' (Fy=36,000 PSI). All tubular steel shall be ASTM A500 (Fy=45,000 PSI). All bolts shall be ASTM A307 (Fy=36,000 PSI). All construction shall be in accordance with the latest edition of the American Institute of Steel Construction, Inc. (AISC) Specification for Structural Steel Buildings. All welding shall be done in accordance with the latest edition of the American Institute of Steel Construction, Inc. (AISC) Code of Practice for the Construction of Buildings. All welding shall be done in accordance with the latest edition of the American Institute of Steel Construction, Inc. (AISC) Code of Practice for the Construction of Buildings. All welding shall be done in accordance with the latest edition of the American Institute of Steel Construction, Inc. (AISC) Code of Practice for the Construction of Buildings.
- Drawing welding requirement: These drawings are to be read and used by the engineer. All copies shall bear the same. If a copy of this drawing is distributed without the proper seal and the drawing is modified from its original content, the distributor or copier of this drawing could mean the original drawing has been modified from its original content. All liability is removed from the holder and sealed. All steel drawings are opened in blue ink and are accompanied with a red ink 'WALD ONLY WHEN MET SEALED' stamp.
- Steel Roof Decking: Steel roof deck shall conform to the specifications of the steel deck institute. Fy = 80 KSI. Connections to framing members shall be not less than noted below:
 1. To all transverse supports: (6) #12-14 TENS screws per sheet.
 2. Panel seams: (4) #12-14 TENS screws per sheet.
 3. Panel to panel connections over minimum two spans: (4) #12-14 TENS screws per sheet.
 4. Vertical spacing of screws shall not be less than 3 diameters.
 5. The hole spacing of the screw shall not be less than 1 1/2" diameter, or if not less than 3/16" websters shall be at least 0.05" thick.
- All screws shall conform to SAE J78 provisions of structural screws.
- Light Gauge Structural Steel Framing: All structural steel framing material and its section shall be in accordance with the latest edition of the American Iron and Steel Institute Specifications for the Design of Cold Formed Steel Structural Members. All welding to be prepared by welders holding a valid certificate and having current experience in light gauge steel. Certificates shall be issued by an accepted testing agency. Do not drill or notch members without prior approval of the structural engineer. All welding to be performed in an approved fabricator's shop.

Structural steel members are furnished to a specified minimum yield point of 55 KSI. The grade and the ASTM specification number or other specification designations shall be indicated by pointing, decal, tagging or other suitable means on each lift or bundle of fabricated elements.

Edge No.	12	14	16	18	20	22	24	26	28	30
Design Thickness, inches	0.1046	0.0747	0.0588	0.0478	0.0359	0.0299	0.0229	0.0179	0.0135	0.0120

Contractor:
The contractor must submit in writing any requests for modifications to the plans and specifications and no structural changes from the approved plans shall be made in the field, unless prior to making changes, written approval is obtained from the engineer. Shop drawings submitted by the engineer for review do not constitute an approval unless it is noted that specific changes are being requested. If changes are made without written approval, such changes shall be the legal and financial responsibility of the contractor or sub-contractors involved and it shall be their responsibility to replace or repair the condition as directed by the engineer.
Contractor shall provide all temporary bracing, shoring, or other means to avoid excessive stresses and to hold structural elements in place during erection. The provisions shall remain in position until sufficient permanent members are erected to insure the safety of the partially erected structure. The contract structural drawings and specifications represent the fabricator's structure. Observation visits to the site by the structural engineer shall not include inspection of the above items. The above notes and specifications shall meet or exceed all state and local code requirements before erection.
The undersigned engineer will not supervise the fabrication or erection of the structure.

SHEET **S-1** of 1
Job 0195-11
DATE 02/21/11
DESIGN GCS
DRAWING JMC
CHECK SWS

4/15/2011 Detail Correction

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PLAN VIEWS & ELEVATIONS
DETAILS & PROFILES

WESTERN STATES DECKING, INC.
15'-2" x 7'-6" x 15'-0" MAX. HEIGHT
RV CANOPY
40 PSF(SNOW), 90 MPH, SEISMIC DESIGN CAT. 'D'
ARIZONA STANDARD

S. E. CONSULTANTS, Inc.
Structural Engineering Consultants