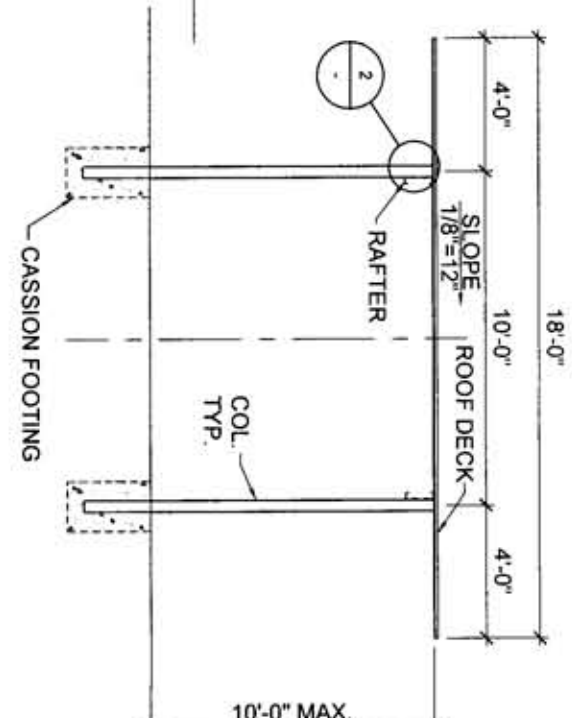
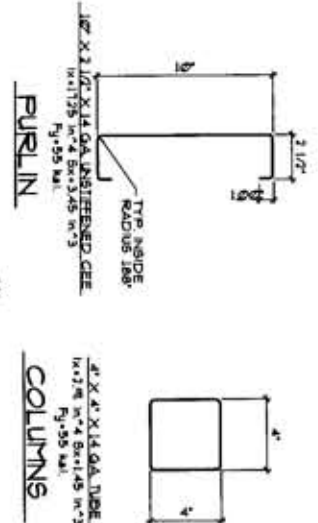


ROOF FRAMING & FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



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

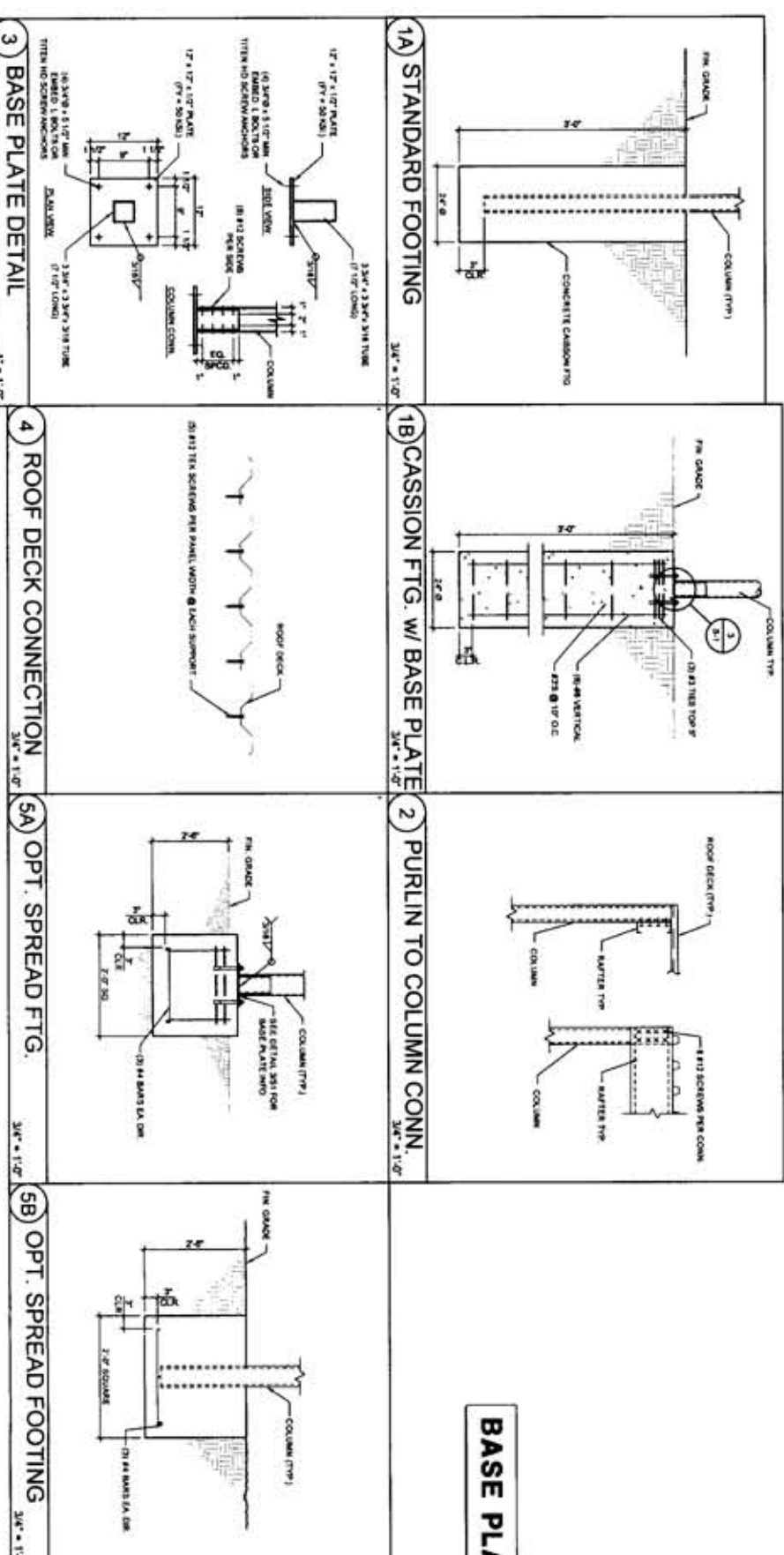
NOTE: STRUCTURE SHALL NOT BE MODIFIED OR ALTERED WITHOUT WRITTEN PERMISSION FROM WESTERN STATES DECKING. STRUCTURAL CALCULATION REQUIRED FOR ANY MODIFICATION.



DECK PROFILE

GENERAL STRUCTURAL NOTES

- CODE: 2006 International Building Code, 2001 American Iron and Steel Institute Handbook of Cold-Formed Steel Design, #1 2004 Supplement.
- LOADS: Roof Live Load = 20 PSF (Flat), Roof Wind Speed = 90 mph, Importance Factor (I) = 1.0, Exposure = C, Occupancy Category = K, Seismic Design Category = 0. Basic Seismic - Force - Seismic System: Lateral: Composite Columns Longitudinal: Composite Columns Analysis Procedure: Equivalent Lateral Force Procedure.
- 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 loadings do not apply to locations where soils of the base will not stand without supplemental support, or where UNCOMPACTED fill of unproved fill material exists. Design lateral soil pressure per IRC section 1804.2 for Class 5 soils.
- CONCRETE: All concrete herein required shall be done in accordance with ACI Standard 318-05. Specifications for Structural Concrete for Buildings, which is hereby made a part of these documents, with the following modifications: Para 211.2 General shall comply with ACI 308, Type I, and shall contain no flyash. Para 212.7c shall be 2500 PSI minimum for all concrete of 28 days for all concrete. Para 4.1.3 The use of form cut for forms is permitted. Para 5.12 Reinforcing shall be one labeled steel complying with ASTM A615, Grade 60. Concrete shall be thoroughly consolidated by suitable means during placement and shall be thoroughly worked around reinforcement and embedded fixtures and into corners of the forms. Curing of concrete shall be in accordance with sections 1905.11.1 through 1905.11.3.



BASE PLATE SOLD SEPARATELY

- STEEL DECKING / SCREWS: Steel deck shall conform to the specifications of the steel deck supplier. Screws connections to framing members shall be not less than noted below: 1. All Panel End Laps use (6) #12-14 lbs screws per sheet. All Panel Intermediate supports use (3) #12-14 lbs screws per sheet. 2. To all panel laps which screws #12-14 lbs screws @ 18" o.c. 3. Minimum spacing of screws shall not be less than 3 diameters. 4. The head of the screw or washer shall have a diameter, do not less than 5/16" washers shall be at least 0.025" thick. All screws shall conform to SAE J78 provisions of structural screws.
- Light Gauge Structural Steel Framing: All structural steel framing material used in erection shall be in accordance with the latest edition of the American Iron and Steel Institute, "Specifications for the Design of Cold Formed Steel Structures" Members: All sections to be prepared by suppliers holding a valid certificate and having current experience in light gauge steel. Certificates shall be issued by an accepted testing agency. Do not use or re-use materials without prior approval of the structural engineer. All welding to be performed in an approved fabrication shop. Structural steel members are furnished to a specified minimum yield point greater than 55 KSI. The grade and the ASTM specification number or other specification designation shall be indicated by parting, deck, logging or other suitable means on each lift or bundle of fabricated elements.
- CONTRACTOR: The contractor shall 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 contractor for review do not constitute "an exhibit" unless it is stated that specific changes are being requested. If changes are made without written approval, such changes shall be the responsibility 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, lagging 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 intended structure. Discrepancies shall be the sole responsibility of the contractor. The contractor 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 this structure.

SHEET S1 of 1 Job 1304-09	design: OCB drawn: JMC check: SWB date: 1304-09	WESTERN STATES DECKING, INC. 18' x 18'-2" x 10'-0" MAX 4 POST CARPORT / 2 CARS 20 PSF, 90 MPH, SEISMIC DESIGN CAT. 'D' UTAH	S. E. CONSULTANTS, Inc.
PLAN VIEWS & ELEVATIONS DETAILS & PROFILES			