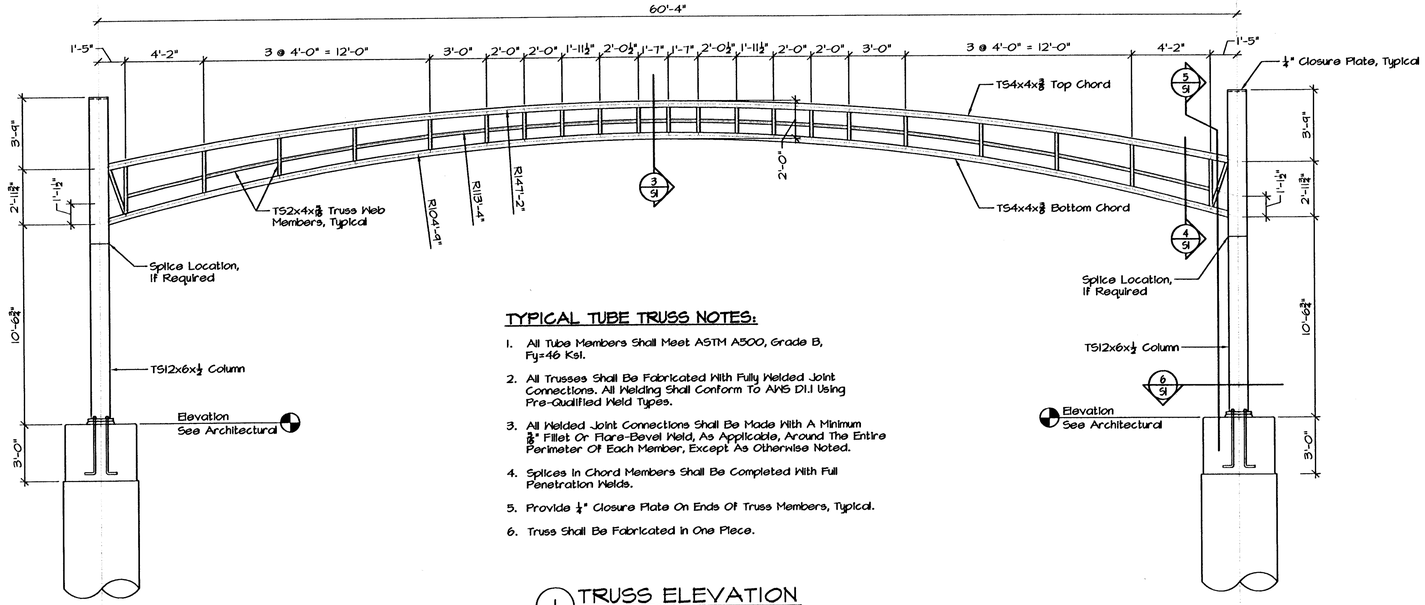
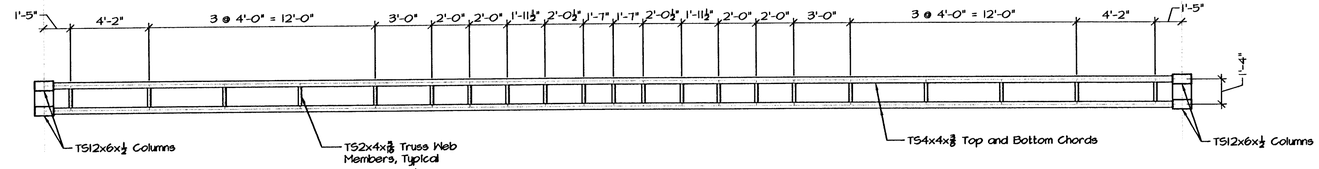


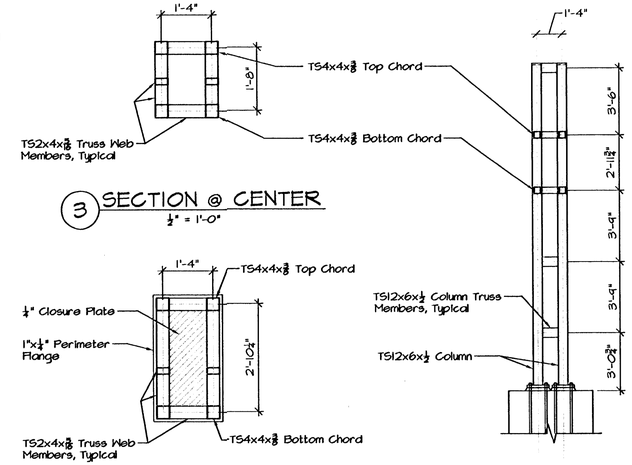
TYPICAL TUBE TRUSS NOTES:

1. All Tube Members Shall Meet ASTM A500, Grade B, Fy=46 Ksi.
2. All Trusses Shall Be Fabricated With Fully Welded Joint Connections. All Welding Shall Conform To AWS D1.1 Using Pre-Qualified Weld Types.
3. All Welded Joint Connections Shall Be Made With A Minimum ⅜" Fillet Or Flare-Bevel Weld, As Applicable, Around The Entire Perimeter Of Each Member, Except As Otherwise Noted.
4. Splices In Chord Members Shall Be Completed With Full Penetration Welds.
5. Provide ½" Closure Plate On Ends Of Truss Members, Typical.
6. Truss Shall Be Fabricated In One Piece.

1 TRUSS ELEVATION
½" = 1'-0"



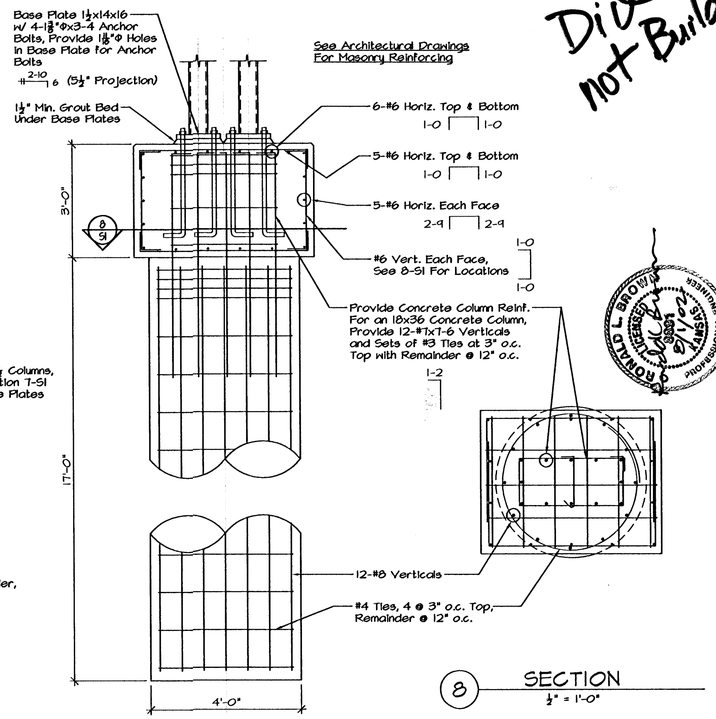
2 TRUSS PLAN
¼" = 1'-0"



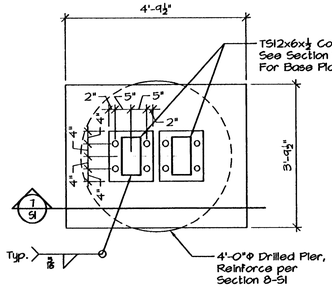
3 SECTION @ CENTER
½" = 1'-0"

4 SECTION @ END
½" = 1'-0"

5 SECTION @ END
½" = 1'-0"



7 SECTION
½" = 1'-0"



6 SECTION
½" = 1'-0"

8 SECTION
½" = 1'-0"

GENERAL STRUCTURAL NOTES
General Contractor shall review and stamp all shop drawings before submittal for approval.
Verify all dimensions and elevations with Architect's plans.
Contractor shall design, provide, and maintain temporary bracing, shoring, guying, etc. and other methods as required to prevent excessive loading and to stabilize structural elements during construction. These methods shall remain in place until all members and final connections have been completed.
Structure is designed for the following live loads:
Ice: ½" around perimeter of each member
Wind: 90 mph basic wind speed (3-second gust), Exposure C
Drilled piers are designed for an allowable end bearing pressure of 4000 psf. The Contractor shall retain a licensed geotechnical engineer to verify that existing soil conditions comply with the allowable bearing pressure used. If existing bearing conditions do not provide the allowable bearing pressure stated above, the Architect/Engineer shall be notified for further direction.
Structure is designed per IBC-2000 Edition.

STRUCTURAL STEEL
Structural steel shall meet the latest AISC "Specification for Structural Steel Buildings." Paragraph 4.2.1 of the "Code of Standard Practice for Steel Buildings and Bridges" is hereby modified by deletion of the following sentence: "This approval constitutes the Owner's acceptance of all responsibility for the design adequacy of any detail configurations of connections developed by the fabricator as a part of his preparation of these shop drawings."
Steel framing members shall only be spliced at locations shown on the design drawings or shown on and approved on the shop drawings.
Structural steel shop drawings shall be prepared under the supervision of a licensed professional engineer.
All steel plates and shapes shall meet ASTM A36. Structural steel tubing shall meet ASTM A500, Grade B, Fy = 46 ksi.
All anchor bolts shall be A307.
All bolts set in concrete shall be furnished with double nuts and shall be set with a template.
Welding shall conform to AWS D1.1, "Structural Welding Code". No unauthorized welds will be accepted.
E10xx electrodes shall be used for all welding.

EXPOSED ARCHITECTURAL STRUCTURAL STEEL
Exposed structural steel is defined as work left exposed to view in the completed structure.
Exposed structural steel shall be fabricated and erected in accordance with AISC "Code of Standard Architecturally Exposed Structural Steel"
All welds, where possible, shall be made in the shop.
All exposed corners and edges shall be finished comparable to formed edges.
All exposed welds shall be ground smooth.
Welds on flat surfaces shall be ground flush and smooth.
Exposed grinding marks and body filler shall be indistinguishable from virgin metal when they can be viewed from in-place distance or 10 ft. whichever is less.
No exposed bolted connections shall be permitted, unless specifically indicated otherwise on drawings.

WELD INSPECTION AND TESTING
Inspect and test during fabrication of structural steel assemblies as follows:
Certify welders and conduct welding inspections and tests.
Perform visual inspection of all welds.
Perform ultrasonic inspection (ASTM E 164) on all member splices and full penetration welds.
All testing of welds shall be performed prior to shop painting of the members.
Inspection reports shall be prepared and submitted on each member inspected; reports shall include the type and location of all defects identified and the procedure required and performed to correct the deficiencies.
The visual inspection of all shop welding may be performed by the quality control inspector of an AISC Category I certified fabrication plant.
An independent testing agency shall perform all ultrasonic inspections.
Inspect and test during erection of structural steel as follows:
Certify welders and conduct welding inspections and tests.
Perform ultrasonic inspection (ASTM E 164) on all field welds.
Inspection reports shall be prepared and submitted on each member inspected; reports shall include the type and location of all defects identified and the procedure required and performed to correct the deficiencies.

CAST-IN-PLACE CONCRETE
All concrete shall have the following minimum compressive strengths at 28 days.
Concrete Columns: 4000 psi
Drilled Piers: 4000 psi

All aggregate for normal weight concrete shall meet ASTM C33. Aggregates shall be proportioned such that mix design shall contain a minimum of 50% coarse aggregates by gradation requirements set forth in ASTM C33. Coarse aggregate shall meet No. 67 grading requirements.
Exterior exposed concrete shall have from 4 to 7% entrained air.
Concrete shall be in strict conformance with the current "ACI Manual of Concrete Practice".
No aluminum shall be placed in concrete.
Chamfer all exposed edges of concrete ¾".

REINFORCING STEEL
All reinforcing shall meet ASTM A615-60,000.
All reinforcing steel shall have adequate coverage as indicated in ACI 318 for the given exposure.
Reinforcing shall be continuous and lapped a minimum of 24" or 30 bar diameters whichever is greater, unless otherwise noted.
Reinforcing shall be detailed according to the ACI Detailing Manual under the supervision of a structural engineer licensed in the state where the project is located.
Mark each bundle of reinforcing with weatherproof tags.

Did not Build

McCLUGGAGE VAN SICKLE & PERRY
ARCHITECTS PLANNERS • LANDSCAPE ARCHITECTS
125 S. WASHINGTON WICHITA, KANSAS 67202
P.O. BOX 348 WICHITA, KANSAS 67201
PH. 316.262.1643 • FAX 316.262.1646

WEST DOUGLAS STREETSCAPE
ARKANSAS RIVER TO SENECA
WICHITA, KANSAS

PROJECT NO. 412 83603
MVP PROJECT NO. 101008
DATE: AUGUST 5, 2002
REVISED:

SHEET
S1
OF 1 SHEETS

Dudley Williams & Associates, P.A.
Structural Engineers
230 Laura Suite 200 Wichita, Kansas 67211

CITY OF WICHITA

08/01/2002 [AJB]
S1 @ 02-018 [1/4]