

LE PROJECT NO.: 05-00472
 LE FILE NO.: CROSS1

STRUCTURAL STEEL:

SS-1 STRUCTURAL BEAMS SHALL CONFORM TO THE 1989 "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.

SS-2 WELDING: STRUCTURAL WELDING CODE - STEEL, 1990, AMERICAN WELDING SOCIETY (AWS D1.1 AND AWS D1.3).

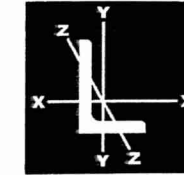
SS-3 STRUCTURAL STEEL SHAPES SHALL MEET THE REQUIREMENTS OF ASTM A572, GRADE 50 KSI AND ROLLED STEEL PLATES, BARS, AND OTHER SHAPES ASTM A36, Fy=36 KSI. COLD FORMED STRUCTURAL STEEL TUBING SHALL MEET THE REQUIREMENTS OF ASTM A500, GRADE B, Fy=46 KSI, PIPES ASTM A 501, Fy=36 KSI OR ASTM A-53, TYPE E OR S, GRADE B (Fy=46 KSI).

SS-4 WELDING SHALL BE BY WELDERS HOLDING VALID CERTIFICATES AND CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS ALL WELDING DONE BY 70XX SERIES LOW HYDROGEN RODS. FOR ASTM A615 GRADE 60 REINFORCING BARS, USE 706 SERIES. ALL WELDS ON DRAWINGS ARE SHOWN AS SHOP WELDS. FIELD WELDS ARE NOT PERMITTED, U.N.O..

SS-5 BOLTED BEAM CONNECTIONS SHALL BE SIMPLE FRAMED SHEAR CONNECTIONS USING A.S.T.M. A325X BOLTS AND SHALL BE IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS USING A.S.T.M. A325 OR A490 BOLTS."

SS-6 DRY PACK SHALL BE 5,000 PSI FIVE STAR NON-SHRINK GROUT OR EQUIVALENT. INSTALL DRY PACK UNDER BEARING PLATES BEFORE FRAMING MEMBER IS INSTALLED. AT COLUMNS, INSTALL DRY PACK UNDER BASE PLATES AFTER COLUMN HAS BEEN PLUMBED BUT PRIOR TO FLOOR OR ROOF INSTALLATION.

SS-7 ALL EXPOSED STRUCTURAL STEEL SHALL BE FABRICATED, THEN CLEANED AND GALVANIZED. APPLY ZINC COATING BY THE HOT-DIP PROCESS AND ACCORDING TO A.S.T.M. A123. BOLTED CONNECTIONS AND ABRADED AREAS SHALL BE CLEANED AND "TOUCHED UP" WITH GALVANIZING REPAIR PAINT IN ACCORDANCE WITH A.S.T.M. A780. THE GALVANIZING REPAIR PAINT SHALL HAVE A HIGH ZINC-DUST CONTENT WITH DRY FILM CONTAINING NO LESS THAN 95% ZINC-DUST BY WEIGHT, AND COMPLYING WITH THE DOD-P-21035A OR SSPC-PAINT 20.



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GENERAL NOTES:

GN-1 THE STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2003 Ed. AND APPLICABLE INDUSTRY STANDARDS (AISC, ACI, ETC.)

GN-2 VERIFY REQUIREMENTS OF OTHER TRADES (MECHANICAL, ELECTRICAL, ETC.) PRIOR TO PROCEEDING WITH FABRICATION OR INSTALLATION OF MATERIALS.

GN-3 THE CONTRACTOR AND FABRICATOR SHALL VERIFY ALL QUANTITIES, DIMENSIONS AND CONDITIONS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES BEFORE PROCEEDING WITH THE WORK.

GN-4 STRUCTURAL STEEL SHOP DRAWINGS SHALL BE PROVIDED FOR ALL FABRICATED ITEMS AND SHALL BE REVIEWED BY THE GENERAL CONTRACTOR PRIOR TO FABRICATION. STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED FOR SHOP DRAWINGS.

A. STRUCTURAL STEEL SHOP DRAWINGS.

GN-5 GENERAL CONTRACTOR SHALL INSPECT JOB FOR COMPLETION BEFORE SCHEDULING ANY OBSERVATION.

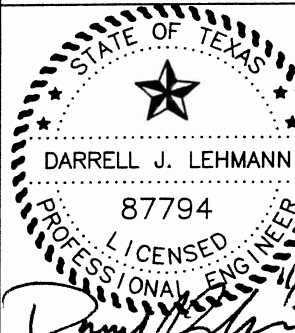
GN-6 THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. CONTRACTOR SHALL CONSIDER ALL CONSTRUCTION LOADS APPLIED TO THE PARTIALLY COMPLETED STRUCTURE. UNTIL ALL PERMANENT CONNECTIONS ARE MADE, AND ENCLOSED PERMANENTLY AS PER CONSTRUCTION DOCUMENTS TEMPORARY BRACING SHALL BE PROVIDED BY THE CONTRACTOR IN ALL DIRECTIONS.

GN-7 THE ENGINEER SHALL NOT HAVE CONTROL OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.


GN-8 PERIODIC SITE OBSERVATIONS ARE SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION IS NOT INTENDED TO BE A CHECK OF THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO INFORM THE OWNER OF DEFECTS AND DEFICIENCIES IN THE WORK OF THE CONTRACTOR.



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SHEET TITLE	
NOTES, DETAILS, & SECTIONS	
SHEET HISTORY	
11.03.05 ISSUE FOR CONSTRUCTION	
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S1	
SA055053	