



GENERAL NOTES

- DESIGN STRESSES ARE IN ACCORDANCE WITH THE MANUAL OF STEEL CONSTRUCTION FOR ALLOWABLE STRESS DESIGN AS ADOPTED BY THE AMERICAN STEEL INSTITUTE OF STEEL CONSTRUCTION (AISC), LATEST EDITION.
- BRIDGE MEMBERS ARE FABRICATED FROM HIGH STRENGTH, LOW ALLOY, ENHANCED ATMOSPHERIC CORROSION RESISTANT ASTM A572 GR50 COLD-FORMED WELDED SQUARE AND RECTANGULAR TUBING AND ASTM A588, ASTM A572, OR ASTM A242 PLATE AND STRUCTURAL SHAPES (F_y=50,000 PSI).
- CONCRETE DECK: GALVANIZED FORM DECK SUPPLIED BY CONTINENTAL. CONCRETE REINFORCING AND EXPANSION MATERIAL SUPPLIED BY OTHERS. SEE CONCRETE DECK SHEET.
- THE GAS METAL ARC WELDING PROCESS OR FLUX CORED ARC WELDING PROCESS WILL BE USED.
- ALL TOP AND BOTTOM CHORD SNAP BRIDGES TO BE COMPLETE PENETRATION TYPE WELDS. WELD BETWEEN TOP CHORD AND END VERTICAL SHALL BE COMPLETE PENETRATION TYPE WELDS ON BOTH SIDES WITH A PARTIAL PENETRATION GROOVE WELD ON THE TOP SIDE AND A FILLET WELD ON THE BOTTOM SIDE.
- UNLESS OTHERWISE NOTED, WELDED CONNECTIONS SHALL BE FILLET WELDS (OR HANE) THE EFFECTIVE THROAT OF A FILLET WELD OF A SIZE EQUAL TO THE THICKNESS OF THE LIGHTEST GAGE MEMBER IN THE CONNECTION. WELDS SHALL BE APPLIED AS FOLLOWS:
 - BOTH ENDS OF VERTICALS, DIAGONALS, BRACE DIAGONALS AND FLOOR BEAMS SHALL BE WELDED ALL AROUND.
 - MISCELLANEOUS NON-STRUCTURAL MEMBERS SHALL BE BUTT WELDED TO THEIR SUPPORTING MEMBERS.
- BRIDGE DESIGN WAS ONLY BASED ON COMBINATIONS OF THE FOLLOWING LOADS WHICH WILL PRODUCE MAXIMUM CRITICAL MEMBER STRESSES:
 - 65 PSF UNIFORM LIVE LOADING ON THE FULL DECK AREA OR ONE 8,000 POUND VEHICLE LOAD. THE VEHICLE LOAD SHALL BE EQUALLY DISTRIBUTED AS A FOUR-WHEEL VEHICLE. THE WHEEL TRACK WIDTH OF THE VEHICLE SHALL BE 6'-0" AND THE WHEEL BASE SHALL BE 8'-4". THE VEHICLE SHALL BE POSITIONED SO AS TO PRODUCE THE MAXIMUM STRESS IN EACH MEMBER, INCLUDING DECKING.
 - 30 PSF WIND LOAD ON THE FULL HEIGHT OF THE BRIDGE, AS IF ENCLOSED.
 - 20 PSF UPWARD FORCE APPLIED AT THE MINOR QUARTER POINT OF THE TRANSVERSE BRIDGE WIDTH (AASHTO 3.10.3).
- CLEANING: ALL EXPOSED SURFACES OF STEEL SHALL BE CLEANED IN ACCORDANCE WITH STEEL STRUCTURES PAINTING COUNCIL SURFACE PREPARATION SPECIFICATIONS NO. 7 BRUSH OFF BLAST CLEANING. SSPC-SP7-LATEST EDITION.

CONTECH
BRIDGE SOLUTIONS INC.
ALEXANDRIA, MN 320-852-7500

QUALITY BRIDGE CERTIFICATION
CONTINENTAL BRIDGE

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REV. NO.	DATE	LEVEL	REVISION

30'-0" X 6'-0"
COMMUNITY OF AMBERWOOD H.O.A.
PEDESTRIAN BRIDGE
KYLE, TEXAS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ARKANSAS

DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
CBT	BAJ	CBT	CBT

NO.	DATE	DESCRIPTION

ACUATRO CONSULTANTS
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1-800-475-2573

DETAILS
AMBERWOOD SUBDIVISION
KYLE, TEXAS

OWNER:
COMMUNITY OF AMBERWOOD H.O.A.
C/O REAL MANAGE
10800 PECAN PARK BLVD., STE. 100
AUSTIN, TEXAS 78750
1-800-475-2573

DATE:	JANUARY, 2010
PROJECT:	10-001 TRAIL
DRAWN'S NAME:	AMBERWOOD TRAIL
DESIGN:	CHECKED
DRAWN:	FILE
APPROVE:	FILE
SHEET:	3 OF 3