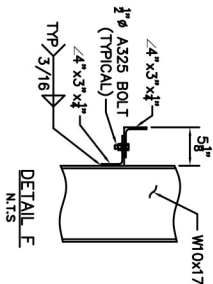
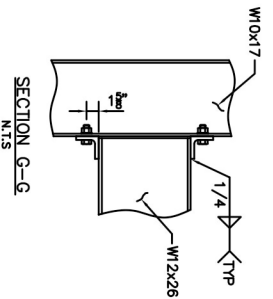


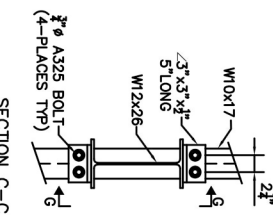
DETAIL A
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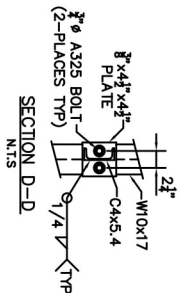
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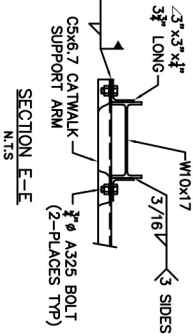
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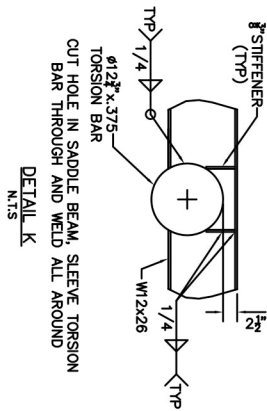
SECTION C-C
N.T.S.



SECTION D-D
N.T.S.



SECTION E-E
N.T.S.



DETAIL K
N.T.S.

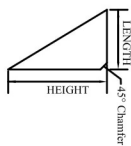
NOTES

- 1) IMPORTANT-FILL FLAG COLUMN PIPE TO BE BACKSET K_c " PER FOOT, IN THE DIRECTION AWAY FROM THE FLAG, TO CORRECT DEADLOAD DEFLECTION.
- 2) PROVIDE K_c CAP PLATES FOR ENDS OF TORSION PIPE. PLATE TO BE WELDED, ALL AROUND, TO PIPE.
- 3) FOUNDATION BASED ON SOIL CONDITIONS OF MEDIUM STIFF CLAY OR BETTER. (Allowable soil pressure=3000 s.f./ft. of depth). CONTRACTOR TO NOTIFY ENGINEER IF OTHER THAN THESE SOIL CONDITIONS EXIST.
- 4) ATTACH CATWALK ANGLES USING K_c A-325 BOLT (1" ANGLE), WELDED WITH K_c FILET, 1" LONG @ 12" O.C TO ANGLE.
- 6) PLACE GUSSETS AS CLOSE TO HOLES AS POSSIBLE ALLOWING FOR BOLT TIGHTENING.

TYPICAL GUSSET DETAIL

(Use this criteria for all gussets).

-Length & height of gussets to be determined by fabricator if not specified. Use maximum length & height possible & still allow for welding all around. -depth of 45° chamfer to be minimum required to clear weld or fillet.



GENERAL NOTES

- All nuts and bolts are to be zinc plated. (Except A-490 bolts which are not to be plated, but primed and painted after installation).
- The contractor shall verify all dimensions and conditions in the field before fabrication or construction, and notify engineer of any discrepancies.
- Any deviations from this print must be approved by Engineer.
- All structural steel shall conform to the requirements of ASTM A-36. (Except structural tubing, which shall conform to A-500 grade B).
- All steel shape beams shall conform to A-572 (60 ksi minimum yield).
- All steel pipe shall conform to the requirements of ASTM A-53 grade B or A-252 unless otherwise noted.
- Concrete shall attain a minimum compressive strength of $f_c = 3000$ psi in 28 days, unless otherwise noted.
- All structural steel shall be produced, fabricated, and erected according to latest AISC Specifications and Standard Practice.
- All welding shall be in accordance with AWS Standards. Welding to be performed by certified welders using E-70 electrodes.
- Contractor to ensure that all work is performed in accordance with federal, state, and local codes & ordinances; and OSHA safety regulations.
- Splicing of pipes having an equal diameter, wall & yield is permitted. A full penetration weld all around (Per AWS D1.1) shall be used and must be performed by a certified welder. Splices shall not be: within one half of the foundation depth below grade, within 10' above grade or within 10' above telescoping splices. Unless specified otherwise.

THE UNDER SIGNED ENGINEER WILL NOT SUPERVISE THE FABRICATION AND/OR ERECTION OF THIS STRUCTURE.

APPLICABLE BUILDING CODE AND WIND SPEED:
International Building Code (Current Edition)
(90 mph Exposure-C) 3-Second Gusts

PROJECT
11'-0" x 22'-0" CM. BB. @ 25'-0" O.A.H.
Located in Fredericktown, OH

APPLIC SEAL

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Effective Engineering Solutions, Ltd.

REVISIONS

DRAWN BY:	JNG
DATE DRAWN:	01-06-06
SCALE:	N/A
SELECTIVE #:	101061442
DRAWING #:	SS-3827
SHEET #:	1 OF 1