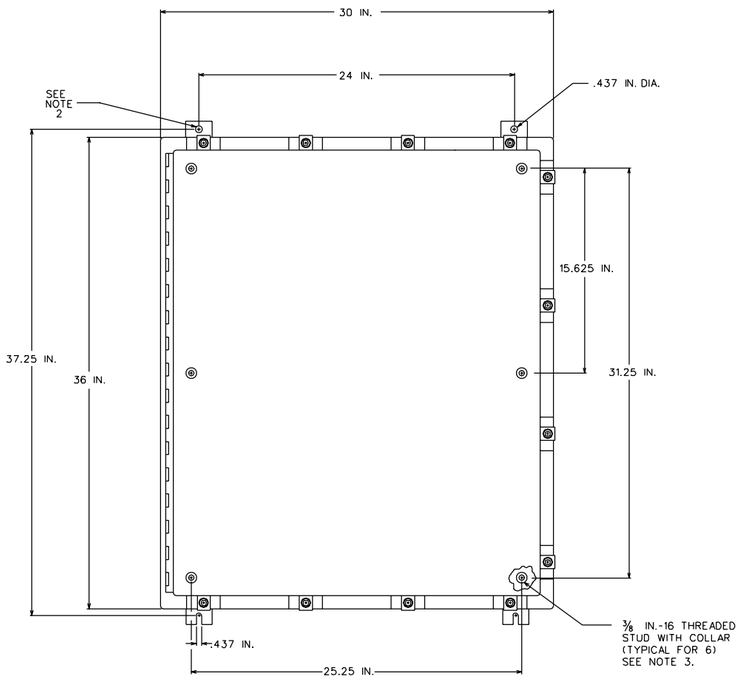
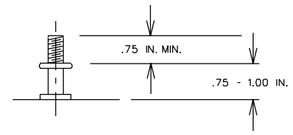
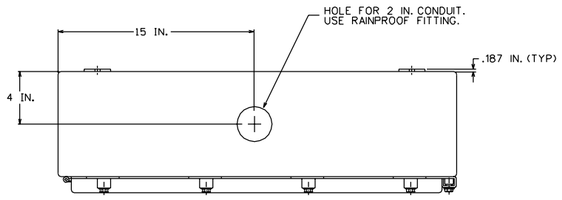


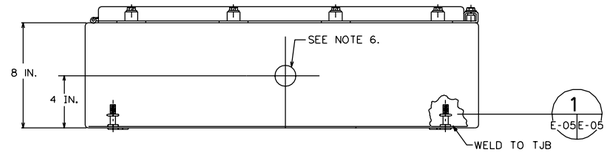
TOWER JUNCTION BOX - FRONT VIEW
N.T.S.



DETAIL-THREADED, COLLARED STUD 1 E-05 E-05
N.T.S.



TOWER JUNCTION BOX - TOP VIEW
N.T.S.



TOWER JUNCTION BOX - BOTTOM VIEW
N.T.S.

NOTES:

1. ENCLOSURE SHALL BE A GALVANIZED STEEL SHEET METAL NEMA TYPE 4, IN ACCORDANCE WITH NEMA 250, WITH DIMENSIONS AS SHOWN. ENCLOSURES SUBJECT TO SALT LADEN OR OTHER CORROSIVE ATMOSPHERES SHALL BE STAINLESS STEEL. ENCLOSURES NOT IN CORROSIVE ATMOSPHERES SHALL BE FINISHED WITH AN EPOXY OR ALKYD-RESIN TYPE PAINT IN ADDITION TO THE GALVANIZED COATING.
2. CONNECT GROUND WIRE TO MOUNTING BOLT.
3. THREADED COLLAR STUD LOCATION IS CRITICAL. THREADS AND COLLAR OF STUDS WILL BE FREE OF PAINT AND RUST AND WILL BE COATED WITH AN ELECTRICALLY CONDUCTIVE, OXIDE-INHIBITING COMPOUND. STUDS SHALL BE WELDED TO TJB. PROVIDE ONE NUT WITH EACH STUD.
4. CABLES PULLED INTO THE TJB SHALL HAVE 1829 EXCESS (FREE LENGTH) COILED IN THE TJB FOR FUTURE TERMINATION BY OTHERS.
5. PROVIDE PERMANENT CABLE TAGS ON THE CABLES AT THEIR POINT OF ENTRY INTO THE TJB, SHOWING THEIR DESTINATION.
6. DESIGNER SHALL SHOW AND SPECIFY SIZE AND NUMBER OF HOLES REQUIRED.
7. DIMENSIONS AND CORRECT INSTALLATION OF THIS ITEM ARE CRITICAL. THIS IS A TARGET INTERFACE ITEM.

US Army Corps of Engineers

Symbol	Description	Date	Approved	Symbol	Description	Date	Approved

Designed by: N/A
Dwn by: JTP
Ckd by: MLR
Reviewed by: WLS
Submitted by: RNM
Date: 01 APR 98
Rev.
Design file no.
Drawing code: STD 179-00-01
File name: STDE05.DGN
Plot date: 20 MAR 98
Plot scale: FULL

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
HUNTSVILLE, ALABAMA

FORCE XXI/FORCE MODERNIZATION PROGRAM
STANDARD DESIGN

TOWER JUNCTION BOX

Sheet reference number:
E-05
Sheet of