Lakelands
CONCRETE PRODUCTS, INC.

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DATE: 10/7/20 | DWG: MH7148-NG-38

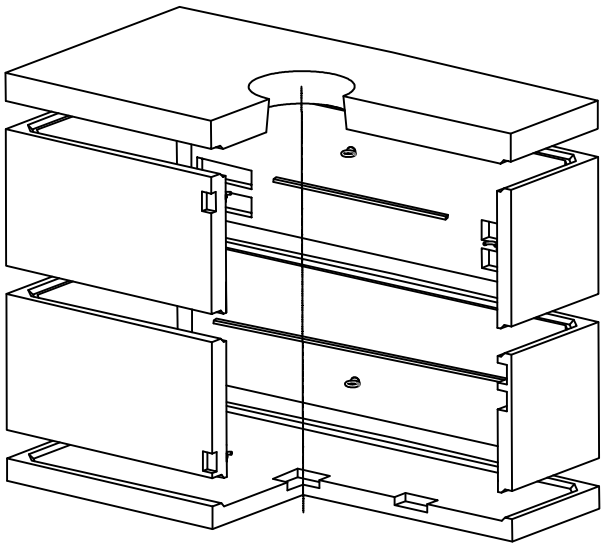
NATIONAL GRID MANHOLE
7'-0" x 14'-0" x 8'-0"

DESIGN CRITERIA:

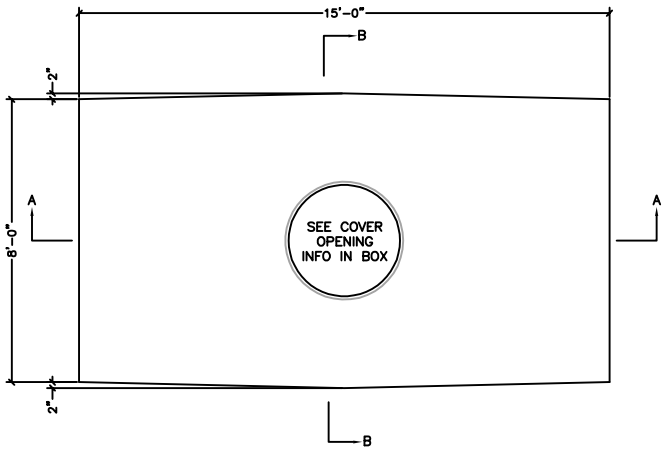
CONCRETE: 5000 PSI @ 28 DAYS
ENTRAINED AIR: 5% - 9%
DESIGN LOADING: AASHTO HS20-44 WITH
LESS THAN 2'-0" EARTH COVER
REINFORCEMENT: BAR-ASTM A615 GR60
WWR-ASTM A185/A497 GR65

MAXIMUM DISTANCE FROM GRADE TO TOP OF BASE SLAB = 13'-0". EARTH COVER = 2'-0" MAXIMUM

MS#: MS3437



ISOMETRIC VIEW



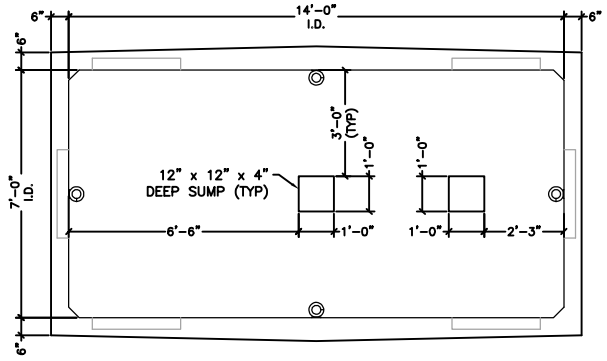
PLAN VIEW
(COVER ONLY)

- ☐ ø38" TAPERED TO ø40" COVER OPENING
- ☐ OTHER

**COVER OPENING SIZES ARE STANDARD SIZES AND CENTERED IN THE PRECAST COVER. CUSTOM SIZES ARE AVAILABLE AT THE CUSTOMERS REQUEST. LOCATION CAN VARY.

SPECIFICATIONS:

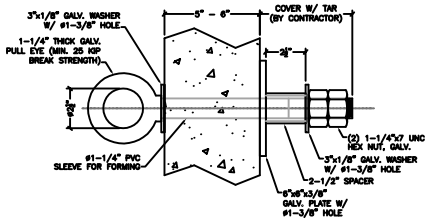
1. KNOCKOUTS SHOWN ARE STANDARD PER NATIONAL GRID SPECIFICATIONS.
2. PULLING EYE, KNOCKOUT, AND UNISTRUT LOCATION MAY BE ALTERED TO SATISFY THE CUSTOMERS NEED.
3. CAST IRON FRAME AND GRATES AVAILABLE FOR PURCHASE.



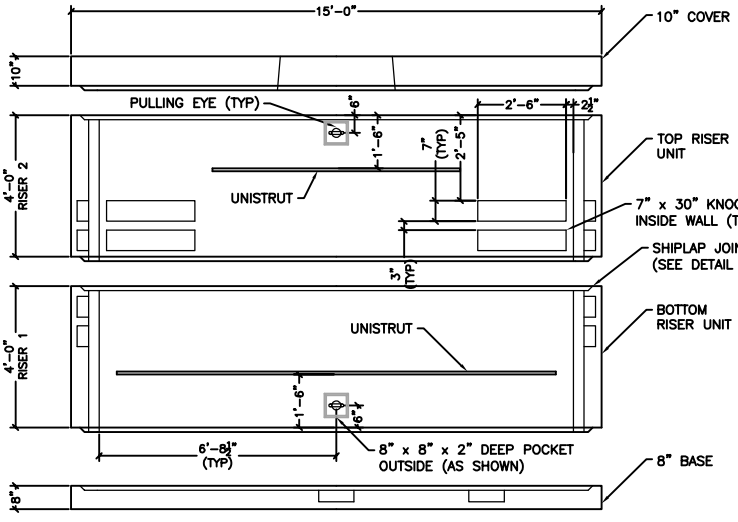
PLAN VIEW
(COVER REMOVED)

**WITH STOCK ø36" TAPERED TO ø40" OPENING

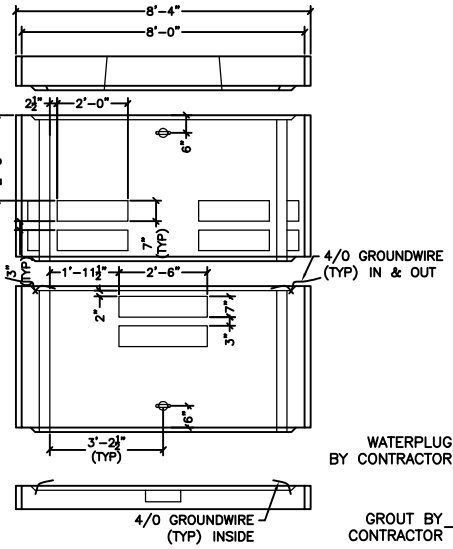
COMPONENT	WEIGHT (LBS)
COVER	14439
BASE	12250
(2)48" RISER	14774
TOTAL	56237



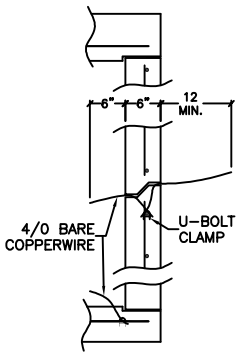
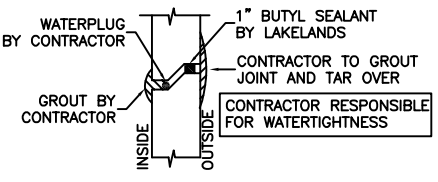
(TYPICAL PULLING EYE)



ELEVATION VIEW
(SECTION A-A)



SIDE ELEVATION VIEW
(SECTION B-B)



4/0 GROUNDWIRE DETAIL