

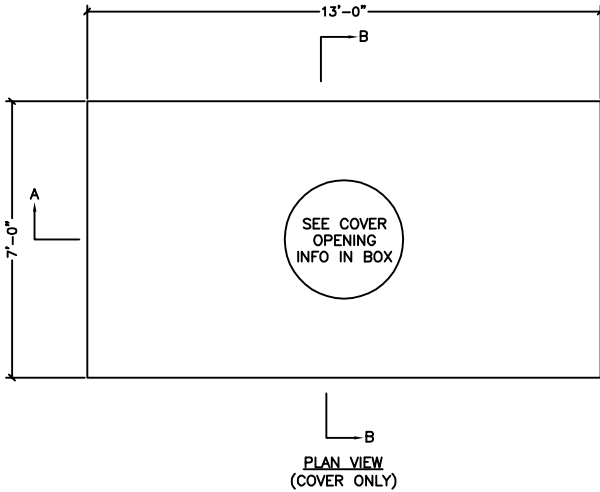
## MANHOLE

6'-0" x 12'-0" x 8'-0"

**DESIGN CRITERIA:**

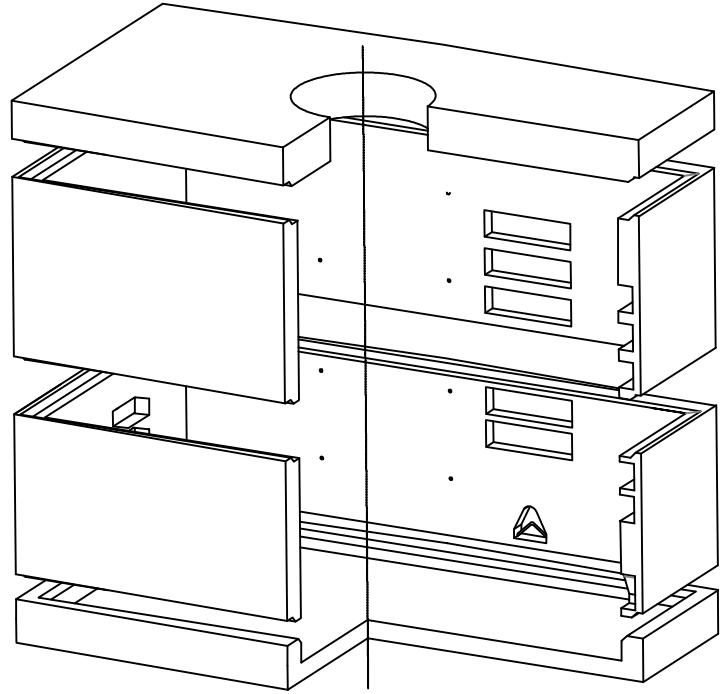
CONCRETE: 5000 PSI @ 28 DAYS  
 ENTRAINED AIR: 5% - 9%  
 DESIGN LOADING: AASHTO HS20-44 WITH  
 LESS THAN 2'-0" EARTH COVER  
 REINFORCEMENT: BAR-ASTM A615 GR60  
 WWR-ASTM A185/A497 GR65

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



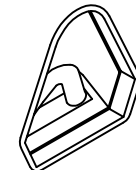
Ø36" COVER OPENING  
 OTHER

**\*\*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. VARIOUS KNOCKOUT TYPES ARE AVAILABLE, OPENINGS AS REQUIRED.
2. INSERT AND PULLING IRONS ARE STANDARD, CUSTOM QUANTITY AND LOCATION AS NEEDED
3. CAST IRON FRAME AND GRATES AVAILABLE FOR PURCHASE.



**BOWCO INSERT PULLING IRON**  
 -NONCORROSIVE  
 -SEVEN STRAND, 1/2"Ø, WITH AN ULTIMATE STRENGTH OF 270,000 PSI  
 -ENCAPSULATED BY A RUSTPROOF SLEEVE THAT SLIPS OVER THE STEEL ROPE AT THE HOOKING POINT

**\*\*WITH STOCK  
 Ø36" OPENING**

COMPONENT	WEIGHT (LBS)
COVER	9448
BASE	8259
42" RISER	10041
48" RISER	11441
TOTAL	39189



**PENNSYLVANIA INSERTS**  
 -1/2" BOLT DIAMETER  
 -STOPS CORROSION  
 -2 1/2" BOLT EMBENDMENT DEPTH  
 -WORK LOAD STRENGTH OF 1,260 LBS.

