

ALL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4500 psi.

REINFORCING STEEL SHALL COMPLY WITH ASTM A615 GRADE 60, A706 GRADE 60 OR A497 GRADE 70. BAR BENDING AND PLACEMENT SHALL COMPLY WITH THE LATEST ACI STANDARDS

STANDARD STRUCTURAL DESIGN IS BASED ON AASHTO HS 20 WHEEL LOADING

WATER TABLE IS AT 3'-0" BELOW GRADE FOR STANDARD STRUCTURAL DESIGN

THE STANDARD DESIGN IS BASED ON THE TOP AT GRADE AND THE BASE AT 8'-0" MAX. BELOW GRADE.

THE STRUCTURE SHALL BE PLACED ON A COMPACTED GRANULAR BASE TO INSURE UNIFORM DISTRIBUTION OF SOIL PRESSURES.

SPECIAL DESIGNS BASED ON OTHER LOADINGS OR DEEPER INSTALLATION DEPTHS ARE AVAILABLE ON REQUEST.

KNOCKOUTS OR PIPE OPENINGS OR CAN BE PROVIDED IN THE SIZE AND LOCATIONS REQUIRED.

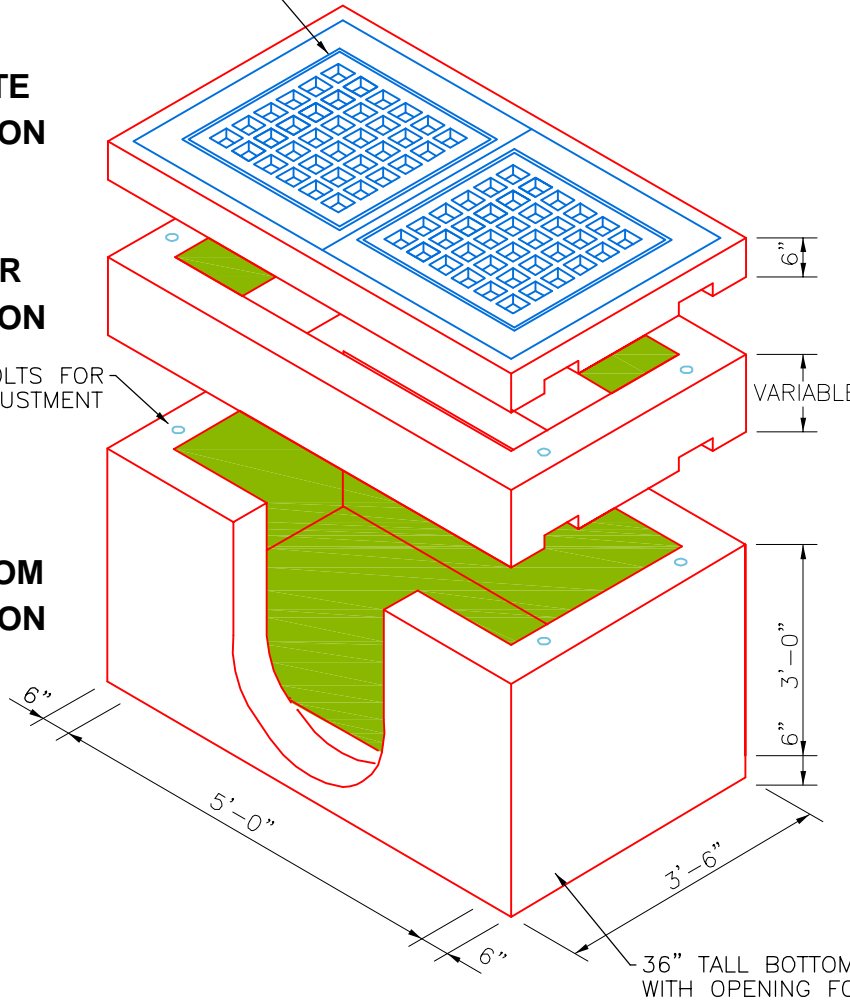
INVERTED AA FRAME WITH TYPE A OR TYPE AD GRATES AS REQUIRED.

GRATE SECTION

RISER SECTION

BOTTOM SECTION

LEVELING BOLTS FOR GRADE ADJUSTMENT



APPROXIMATE GRATE SECTION WEIGHT 1500 LBS.

APPROXIMATE RISER SECTION WEIGHTS
 4" INSIDE 500 LBS.
 6" INSIDE 700 LBS.
 12" INSIDE 1300 LBS.
 18" INSIDE 2000 LBS.
 24" INSIDE 2600 LBS.

APPROXIMATE BOTTOM SECTION WEIGHT 5400 LBS.

MINIMUM EXCAVATION 5'-6"x8'-0"



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www.oldcastlesanantonio.com

**TYPE AA or AAD
 INLET FOR 24" PIPING**

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