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

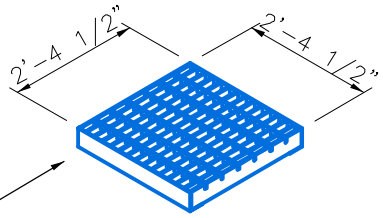
WATER TABLE IS AT 3'–0" BELOW GRADE FOR STANDARD STRUCTURAL DESIGN

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.

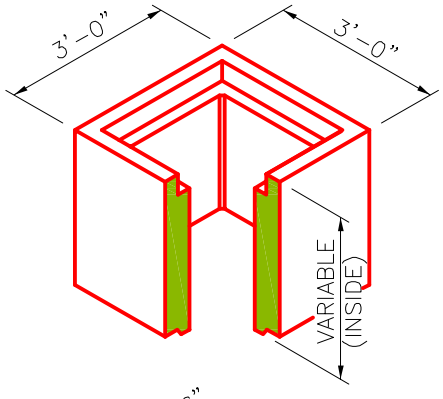
SPECIAL DESIGNS BASED ON OTHER LOADINGS OR DEEPER INSTALLATION DEPTHS ARE AVAILABLE ON REQUEST.

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



2'x2' GRATE HS–20 WHEEL LOADING

CENTER SECTION

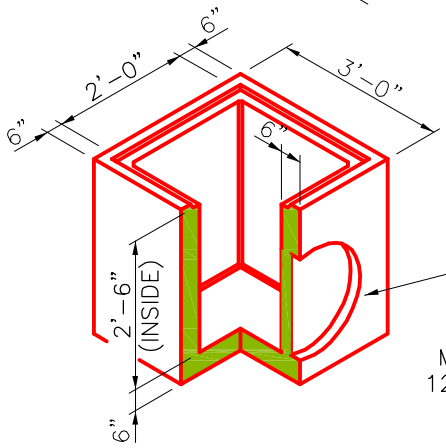


APPROXIMATE CENTER SECTION WEIGHTS
2'–0" INSIDE 1600 LBS.
2'–6" INSIDE 1900 LBS.
3'–0" INSIDE 2300 LBS.
3'–6" INSIDE 2700 LBS.
4'–0" INSIDE 3100 LBS.

APPROXIMATE BOTTOM SECTION WEIGHTS
2'–6" INSIDE 2600 LBS.

MINIMUM EXCAVATION
5'–0"x5'–0"

BOTTOM SECTION



THINWALL KNOCKOUTS LOCATION AS REQUIRED

MAXIMUM OPENING WIDTH IS 24" WITH 12" MAXIMUM WIDTH IN ADJACENT WALL.

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2'-0"x2'-0" GRATE INLET