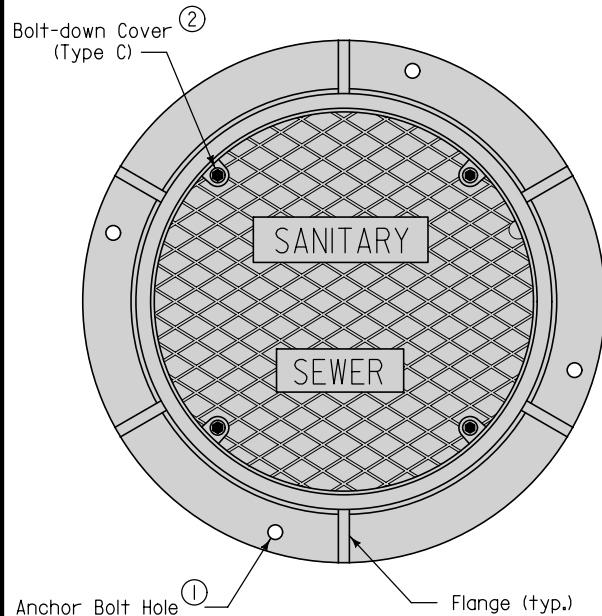


TYPE A

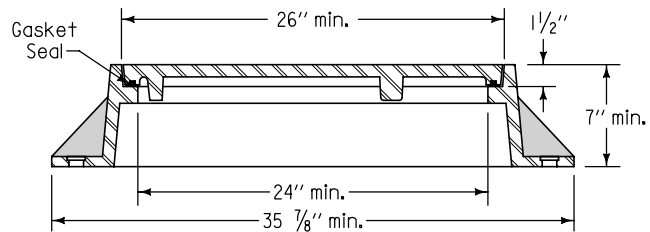
Two-piece fixed casting

TYPE C

Two-piece fixed casting with bolt-down cover^②



PLAN



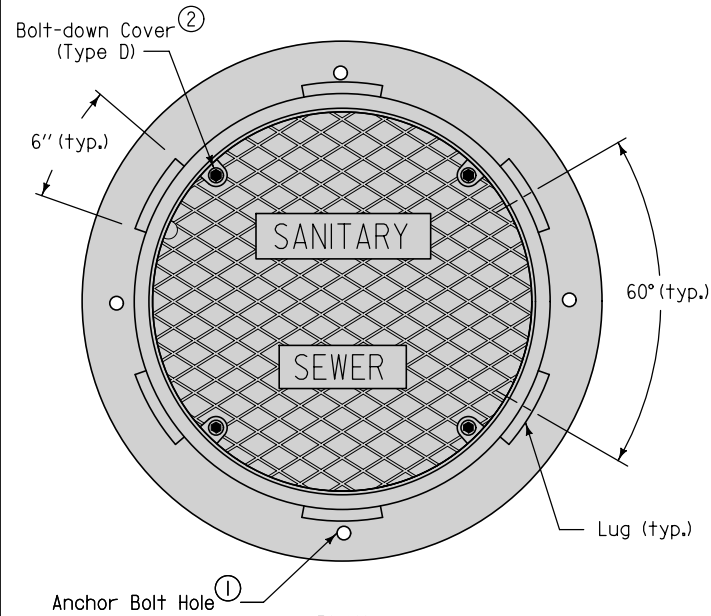
TYPICAL SECTION

TYPE B

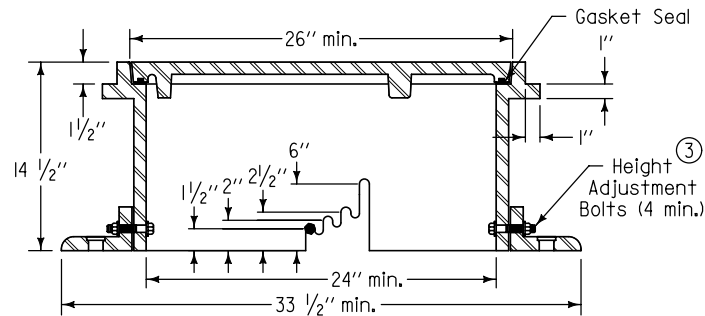
Three-piece floating casting

TYPE D

Three-piece floating casting with bolt-down cover^②



PLAN

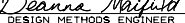


TYPICAL SECTION

Frame Notes:
Size and spacing of lugs and flanges
may vary.

Cover Notes:
Roughness pattern and text style may
vary.
Minimum one concealed pickhole.

- ① When the contract documents require the frame to be attached to the structure, drill four $\frac{7}{8}$ " diameter holes or slots, equally spaced around frame.
- ② If specified, furnish bolt down frame and cover with four $\frac{1}{2}$ " x $2\frac{1}{2}$ " stainless steel, hex head, recessed cap screws. Secure cover with screws, washers, and rubber gasket seals.
- ③ Remove bolts upon completion of paving.

 SUDAS	 Iowa Department of Transportation	REVISION	
		1	10-20-09
FIGURE 6010.601	STANDARD ROAD PLAN	SW-601	
		SHEET 1 of 1	
REVISIONS: Changed note 1 and added shading.			
 SUDAS DIRECTOR		 DESIGN METHODS ENGINEER	
CASTINGS FOR SANITARY SEWER MANHOLES			