



## Installation of Roof Mounted Level Switches

Drill 2" diameter holes through roof panels at locations shown on [Page 3](#). Use a mounting plate as a pattern and drill four (4) 3/8" holes through roof panels at each switch location so the plate can be bolted to the roof.

Attach flex-coupling to the power-pak. Apply teflon tape or pipe sealant (not included) to power-pak pipe threads and thread power-pak into mounting plate coupling. Conduit opening in power-pak should be at right angles to roof rib or face toward eave.

Caulk underside of mounting plate above and both sides of 2" hole. Bolt to roof panel.

Attach shaft extension according to [Figure 2 and Figure 3 on Page 2](#). Use teflon tape or pipe sealant (not included) on shaft guard (see [Figure 2 and Figure 3 on Page 2](#) for lengths) and thread to underside of mount plate coupling. Add 1/4" drilled coupling and paddle. (**NOTE: Single vane paddle is used on LOW level switch.**)

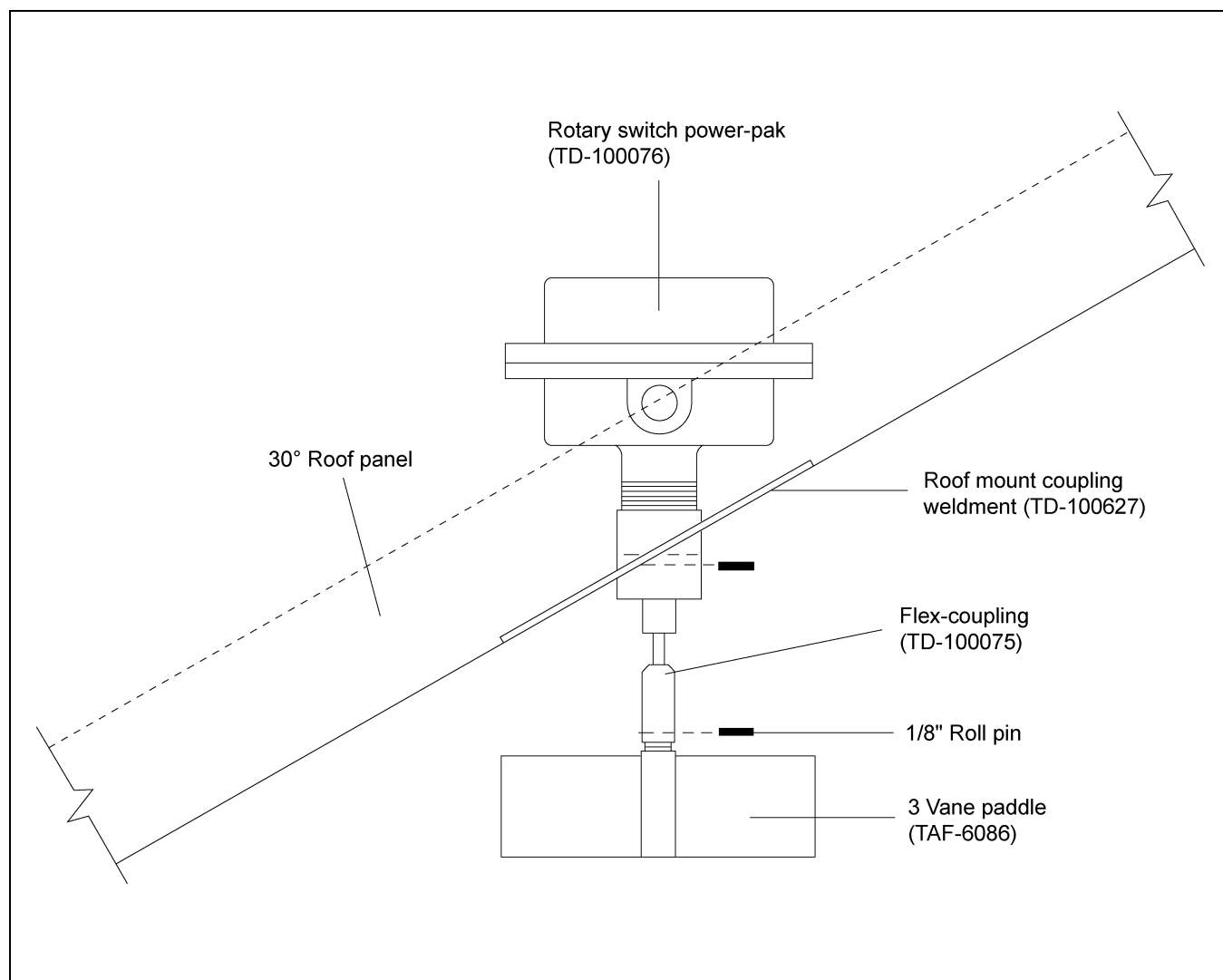
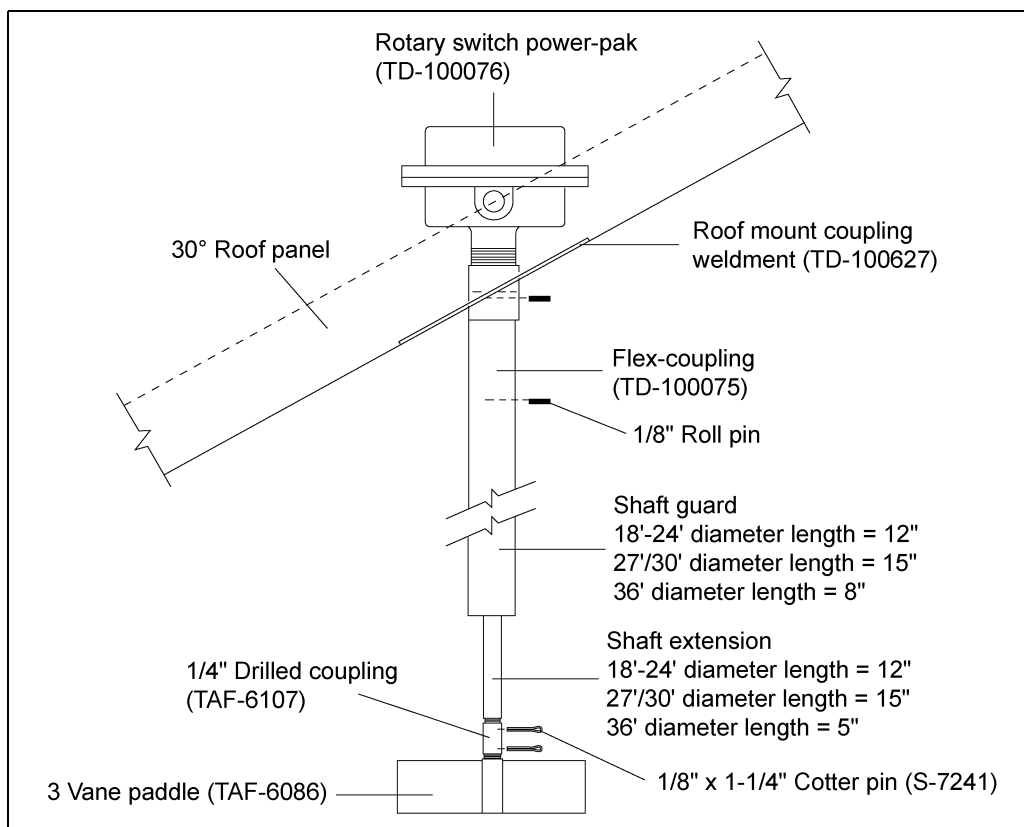


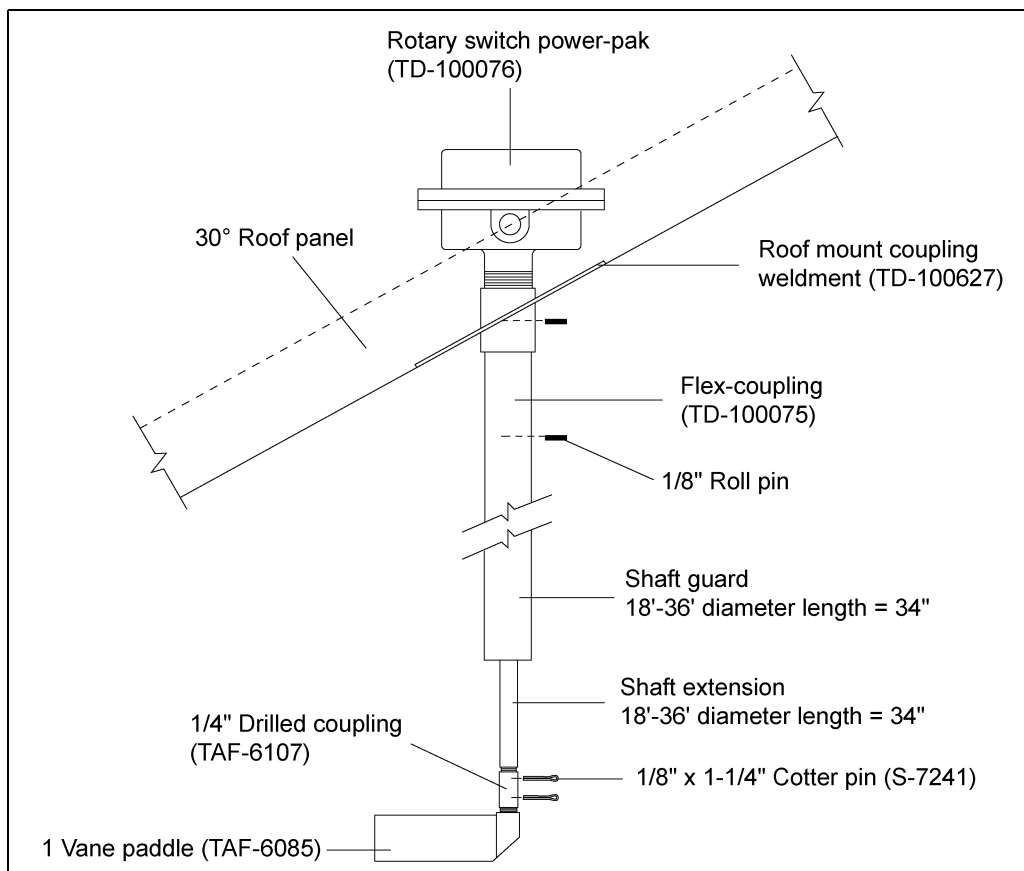
Figure 1 Overflow Rotary Switch Assembly



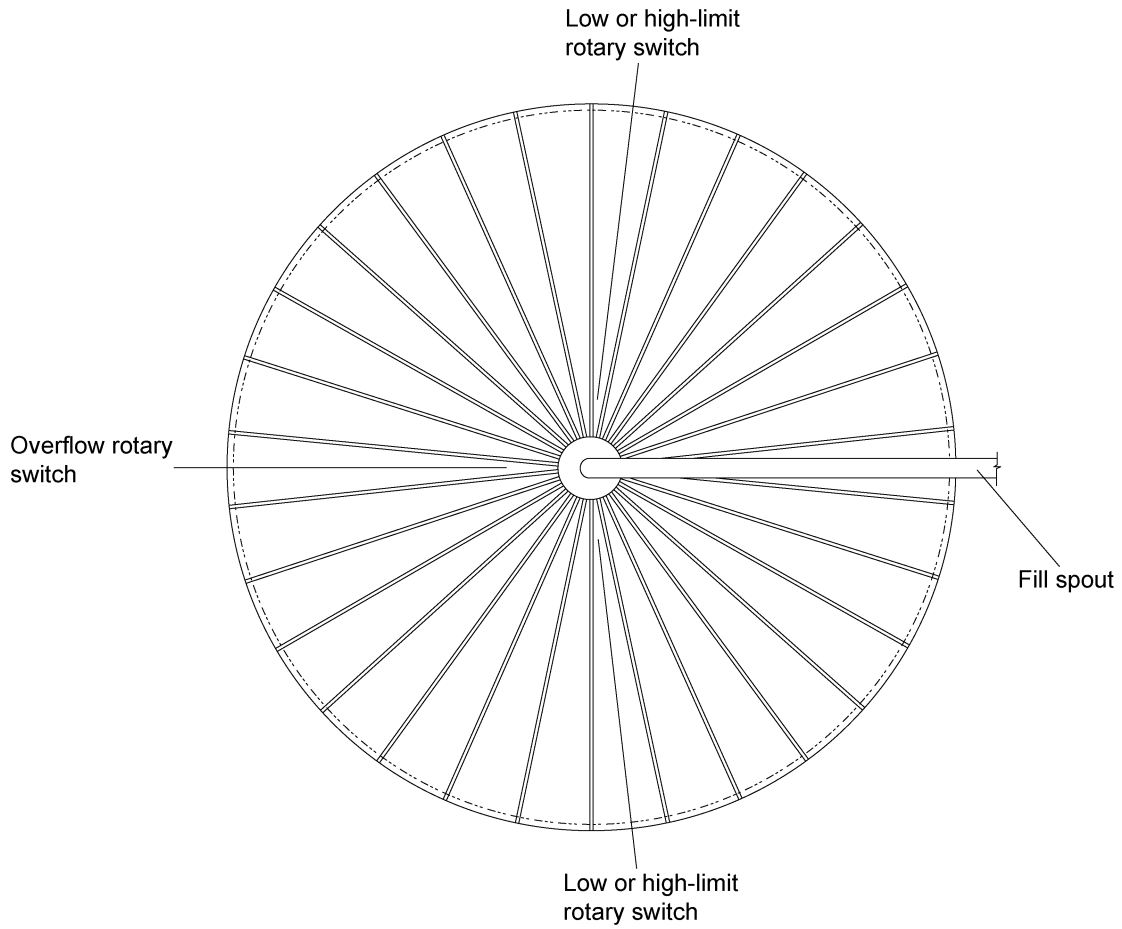
# Rotary Switch Instructions



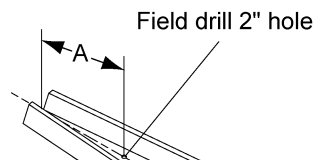
**Figure 2 High-Limit Rotary Switch Assembly**



**Figure 3 Low-Limit Rotary Switch Assembly**



## Rotary switch roof locations



**NOTE:** Attach the flex-coupling to the rotary switch power-pak, then thread the power-pak into the roof mount coupling before bolting the roof mount to the roof sheet.

Top Dry Bin Diameter	"A"
18'-24'	23-1/2"
27'/30'	19"
36'	31"

## Rotary switch panel location

Figure 4

### Installation of Wall Mounted Level Switch

Drill 2" hole through wall at desired location. If bin is 2.66" corrugation, hole should be centered on outside hill. If bin is 4.00" corrugation, hole should be centered on outside valley.

Position mount plate as desired (from inside), mark and drill 3/8" holes. Caulk coupling abundantly where it passes through wall. Add foam weather strip around top and sides of plate then bolt to bin wall. Caulk coupling to wall seam from outside.

Attach flex coupling to power-pak. Add teflon tape or pipe sealant (not provided) to power-pak pipe threads and thread into coupling. Conduit opening should be horizontal or down. Add 1 vane paddle. (Paddle may be added to flex coupling before power-pak is threaded into coupling if desired.)

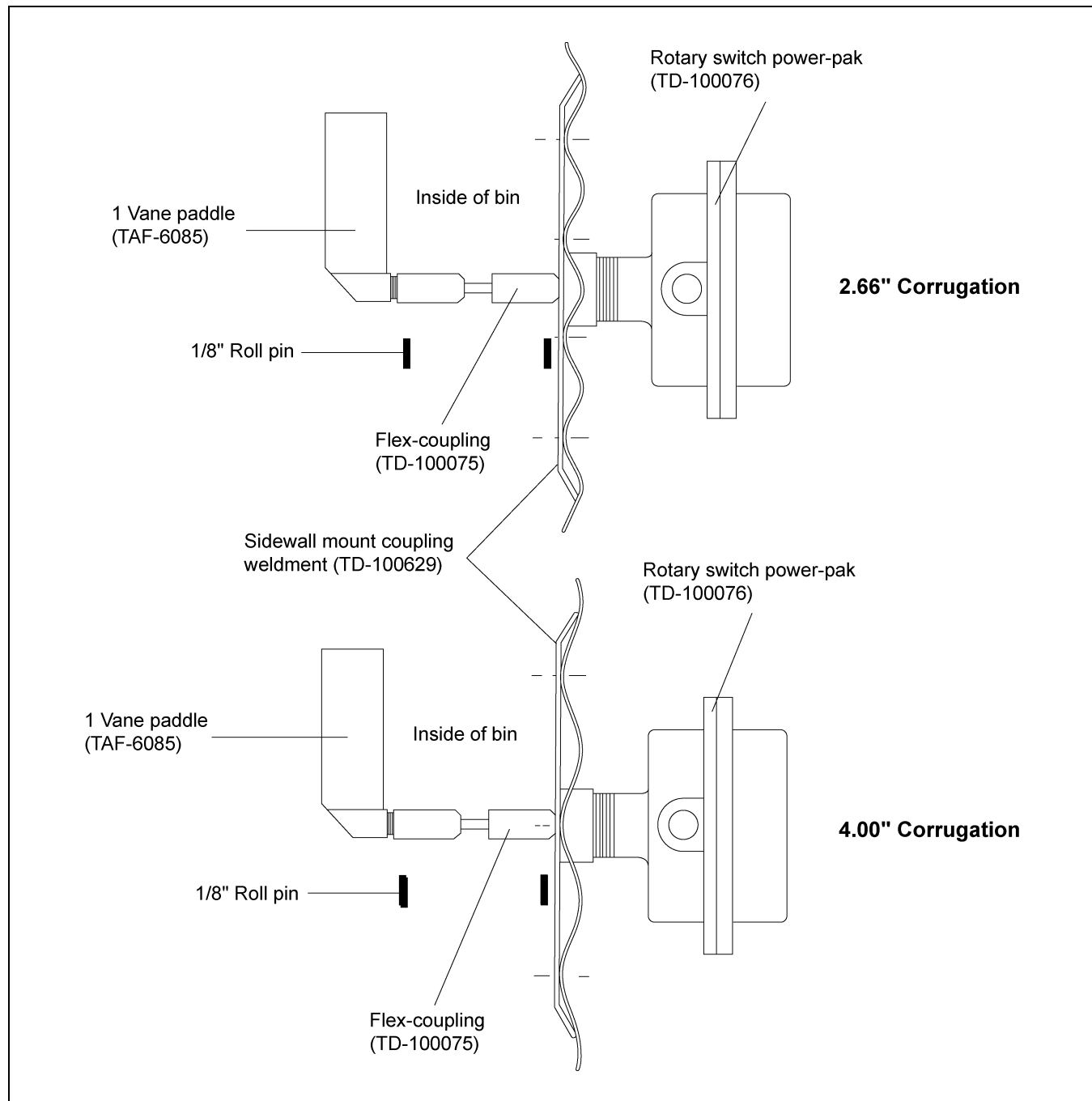


Figure 5