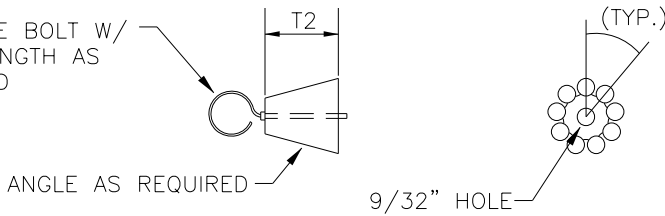


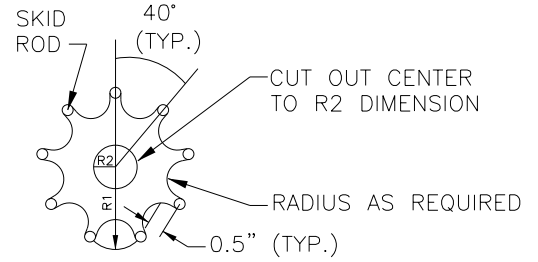
NOTE:

WELD ALL RODS TO FRAME. MANDREL SHALL BE CONSTRUCTED FROM METAL OR RIGID PLASTIC MATERIAL THAT CAN WITHSTAND 200 PSI WITHOUT BEING DEFORMED.

1/4" EYE BOLT W/
NUTS LENGTH AS
REQUIRED



ANGLE AS REQUIRED
TYPICAL BOTH ENDS
END FRAME



BARREL FRAME

**MANDREL DIMENSIONS - 5% DEFLECTION
FOR O.D. CONTROLLED PVC PIPE***

| SIZE | TYPE | O.D. AVERAGE | MIN. WALL THICKNESS | L1 | L2 | R1 | R2 | T1 | T2 | ROD DIAMETER |
|------|-------------|--------------|---------------------|-------|----|-------|------|-------|-----|--------------|
| 6" | D3034 SDR35 | 6.275 | 0.180 | 4.50 | 6 | 2.81 | 0.75 | 0.375 | 1.0 | 0.375 |
| 8" | D3034 SDR35 | 8.400 | 0.240 | 6.00 | 6 | 3.76 | 1.25 | 0.375 | 1.0 | 0.375 |
| 10" | D3034 SDR35 | 10.500 | 0.300 | 7.50 | 6 | 4.70 | 1.50 | 0.375 | 1.0 | 0.375 |
| 12" | D3034 SDR35 | 12.500 | 0.360 | 9.00 | 6 | 5.60 | 1.75 | 0.375 | 1.0 | 0.375 |
| 15" | D3034 SDR35 | 15.300 | 0.437 | 1.25 | 6 | 6.85 | 2.00 | 0.375 | 1.0 | 0.375 |
| 18" | F679 T-1 | 18.701 | 0.536 | 13.50 | 9 | 8.37 | 2.50 | 0.50 | 1.5 | 0.50 |
| 21" | F679 T-1 | 22.047 | 0.632 | 15.75 | 9 | 9.87 | 3.00 | 0.50 | 1.5 | 0.50 |
| 24" | F679 T-1 | 24.803 | 0.711 | 18.00 | 9 | 11.11 | 3.50 | 0.50 | 1.5 | 0.50 |
| 27" | F679 T-1 | 27.953 | 0.801 | 20.25 | 9 | 12.52 | 4.00 | 0.50 | 1.5 | 0.50 |

* ALL DIMENSIONS IN INCHES

SCALE: NOT TO SCALE



MARBLE FALLS
800 THIRD STREET
MARBLE FALLS, TX 78654
PH: (830) 693-6737

These documents were prepared by,
or under the supervision of:

ERIC BELAJ 107148 May 31, 2017
Engineer's Name PE# Date

[Signature]
Engineer's Signature

SECTION

WASTEWATER

DETAIL NO.

WW-33

TITLE

MANDREL