



LOCATION	EXIST. BOX		PROP. BOX			EACH COLLAR					CLASS SI CONCRETE CU. YD.	REBAR POUND	3/4 (M20) EXPANSION BOLTS EACH	SKEW ANGLE θ
	W	H	W'	H'	T	A	B	E	X	Y				
	NO. 1	4'	4'	4'	4'	5"	6'-2"	6'-2"	7'-10"	5'-10"				
NO. 2	3'	5'	3'	5'	6"	5'-4"	7'-4"	3'-0"	7'-0"	3'-5"	1.97	56	10	15°
TOTALS											5.66	168	18	

$$D = \frac{8+T}{\cos\theta}$$

$$E = [W+6+2T] + \tan\theta H + 8$$

$$X = B - 4$$

$$Y = \frac{W/2 + T + 8}{\cos\theta} + 7 \frac{1}{2}$$

**GENERAL NOTES**

- The collar shall be constructed entirely of CLASS SI CONCRETE and in accordance with the applicable portions of section 503 of the Standard Specifications. Reinforcement bars shall conform to section 508.
- Expansion bolts shall consist of approved expansion anchors, and 3/4 (M20) hook bolts which conform to section 1006.08. These bolts shall extend at least 8" into the new concrete.

All dimensions are in inches unless otherwise noted.