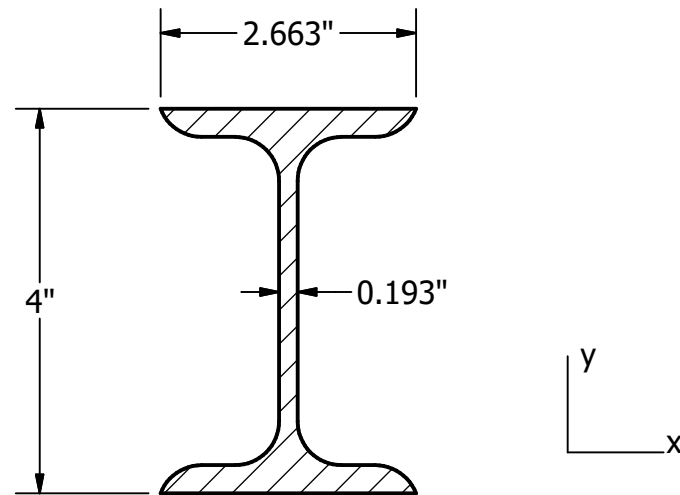


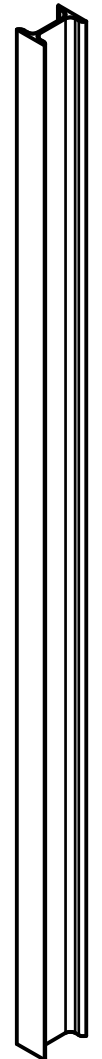
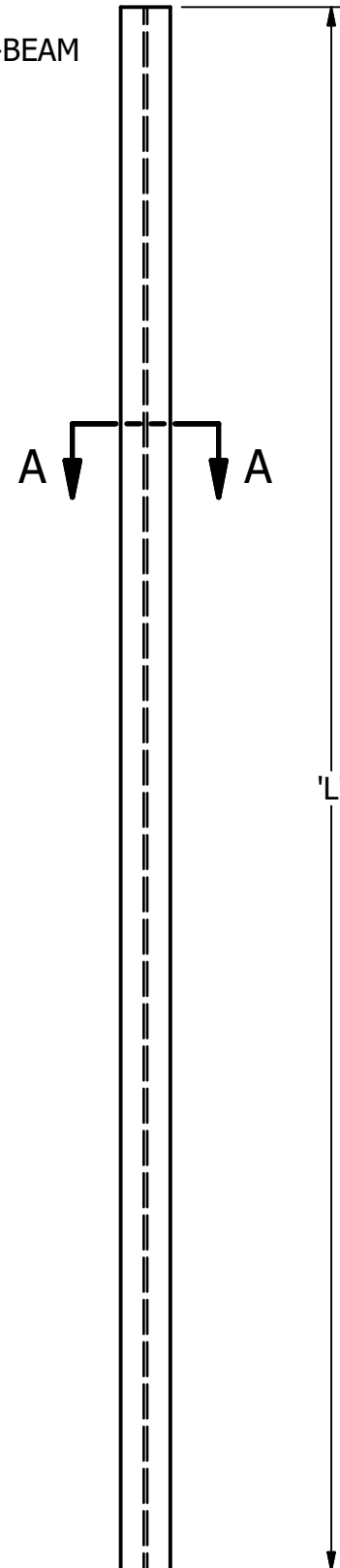
**NOTES:**

1. HOT DIP GALVANIZED PER ASTM A123 GR. 100 (LATEST REV.)
2. S-BEAM MATERIAL ASTM A572; MIN YIELD 50 KSI
3. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES
4. ASD & LFRD LOADS FROM *AISC STEEL CONSTRUCTION MANUAL, 16TH ED.* & ASSUME SUFFICIENT LATERAL SUPPORT.



**SECTION A-A**  
**SCALE 1 / 2**

S4x7.7 I-BEAM



PART NUMBER	DESCRIPTION	'L' (IN.)	ASD (KIPS)	LFRD (KIPS)
WBS-S4-96-G	8' S4x7.7 I-BEAM	96	8.73	13.1
WBS-S4-120-G	10' S4x7.7 I-BEAM	120	6.99	10.5

PROPERTY	IMPERIAL	METRIC
CROSS SECTIONAL AREA (A)	2.26 IN <sup>2</sup>	1458.062 mm <sup>2</sup>
MOMENT OF INERTIA ABOUT X-AXIS (I <sub>x</sub> )	6.08 IN <sup>4</sup>	2.53x10 <sup>6</sup> mm <sup>4</sup>
MOMENT OF INERTIA ABOUT Y-AXIS (I <sub>y</sub> )	0.764 IN <sup>4</sup>	3.18x10 <sup>5</sup> mm <sup>4</sup>
ELASTIC SECTIONAL MODULUS ABOUT X-AXIS (S <sub>x</sub> )	3.04 IN <sup>3</sup>	4.98x10 <sup>4</sup> mm <sup>3</sup>
ELASTIC SECTIONAL MODULIS ABOUT Y-AXIS (S <sub>y</sub> )	0.57 IN <sup>3</sup>	9341 mm <sup>3</sup>

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DWG NO. SD-WBS-S4			
DESCRIPTION S4-7.7 I-BEAM			
NOT TO SCALE ALL UNITS IN INCHES U.N.O.	SIZE B	15612 S KEELER TERRACE OLATHE, KS 66062 (913) 393-0007   www.GETECP.com	REV 0