

CONTRACT AWARD

AB2018-31B STEEL FOR THE MERCER COUNTY DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE FOR A PERIOD OF ONE (1) YEAR WITH THE OPTION TO EXTEND ONE (1) YEAR BASED UPON THE INDEX RATE

BID OPENING DATE: JULY 26, 2018

**CONTRACT TERM: AUGUST 24,
2019 THROUGH AUGUST 24, 2020**

RES. NO. 2019-317

NAME OF BIDDER

CAPITAL STEEL SERVICE, LLC

ADDRESS

82 STOKES AVENUE

CITY, STATE, ZIP

TRENTON, NJ 08638

CONTACT

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All beams will require two (2) rows of shear studs (3/4" x 4 3/16" welded to the top flange only), 4 1/2" apart and staggered. There are no studs in the 18" (each end). All steel must be hot dipped galvanized after fabrication ASTM A123. Studs are not a pay item. The Cost of the studs shall be included in the price of the stringers

Line No.	BEAM DIMENSIONS						INSERT COST PER SIZE							
	in x lbf/ft	Area	d	b _f	t _f	t _w	A50 MATERIAL OR BETTER MILL TEST CERTIFICATION REQUIRED							
		(in ²)	(in)	(in)	(in)	(in)	8'	10'	12'	15'	17'	20'	22'	25'
1	W27 x 178	52.3000	27.8100	14.0850	1.1900	0.7250								
2	W27 x 161	47.4000	27.5900	14.0200	1.0800	0.6600								
3	W27 x 146	42.9000	27.3800	13.9650	0.9750	0.6050								
4	W27 x 114	33.5000	27.2900	10.0700	0.9300	0.5700	\$1,699.91	\$1,865.63	\$2,373.32	\$2,792.93	\$3,215.15	\$3,551.20	\$3,953.54	\$4,428.79
5	W27 x 102	30.0000	27.0900	10.0150	0.8300	0.5150	\$1,550.92	\$1,706.39	\$2,167.83	\$2,554.07	\$2,939.04	\$3,232.72	\$3,597.80	\$4,030.68
6	W27 x 94	27.7000	26.9200	9.9900	0.7450	0.4900	\$1,451.59	\$1,600.23	\$2,030.84	\$2,394.82	\$2,754.96	\$3,020.39	\$3,360.65	\$3,765.27
7	W27 x 84	24.8000	26.7100	9.9600	0.6400	0.4600	\$1,389.51	\$1,533.88	\$1,945.22	\$2,295.30	\$2,639.92	\$2,887.69	\$3,212.42	\$3,599.40
8	W24 x 162	47.7000	25.0000	12.9550	1.2200	0.7050								
9	W24 x 146	43.0000	24.7400	12.9000	1.0900	0.6500								
10	W24 x 131	38.5000	24.4800	12.8550	0.9600	0.6050								
11	W24 x 117	34.4000	24.2600	12.8000	0.8500	0.5500	\$1,737.16	\$1,905.44	\$2,424.69	\$2,852.65	\$3,284.18	\$3,630.83	\$4,042.47	\$4,528.32
12	W24 x 104	30.6000	24.0600	12.7500	0.7500	0.5000	\$1,575.75	\$1,732.93	\$2,202.08	\$2,593.88	\$2,985.06	\$3,285.80	\$3,657.09	\$4,097.03
13	W24 x 94	27.7000	24.3100	9.0650	0.8750	0.5150	\$1,451.59	\$1,600.23	\$2,030.84	\$2,394.82	\$2,754.96	\$3,020.39	\$3,360.65	\$3,765.27
14	W24 x 84	24.7000	24.1000	9.0200	0.7700	0.4700	\$1,327.43	\$1,467.53	\$1,859.60	\$2,195.77	\$2,524.87	\$2,754.99	\$3,064.20	\$3,433.52
15	W24 x 76	22.4000	23.9200	8.9900	0.6800	0.4400	\$1,228.10	\$1,361.36	\$1,722.61	\$2,036.53	\$2,340.79	\$2,542.66	\$2,827.04	\$3,168.11
16	W24 x 68	20.1000	23.7300	8.9650	0.5850	0.4150	\$1,128.77	\$1,255.20	\$1,585.61	\$1,877.28	\$2,156.72	\$2,330.34	\$2,589.88	\$2,902.71
17	W24 x 62	18.2000	23.7400	7.0400	0.5900	0.4300	\$1,054.27	\$1,175.58	\$1,482.87	\$1,757.85	\$2,018.66	\$2,171.09	\$2,412.02	\$2,703.65
18	W24 x 55	16.2000	23.5700	7.0050	0.5050	0.3950	\$967.36	\$1,082.69	\$1,363.00	\$1,618.51	\$1,857.59	\$1,985.31	\$2,204.50	\$2,471.42
19	W21 x 147	43.2000	22.0600	12.5100	1.1500	0.7200								
20	W21 x 132	38.8000	21.8300	12.4400	1.0350	0.6500								
21	W21 x 122	35.9000	21.6800	12.3900	0.9600	0.6000								
22	W21 x 111	32.7000	21.5100	12.3400	0.8750	0.5500	\$1,662.67	\$1,825.82	\$2,321.95	\$2,733.22	\$3,146.12	\$3,471.58	\$3,864.60	\$4,329.26
23	W21 x 101	29.8000	21.3600	12.2900	0.8000	0.5000	\$1,538.50	\$1,693.12	\$2,150.71	\$2,534.16	\$2,916.03	\$3,206.18	\$3,568.16	\$3,997.50
24	W21 x 93	27.3000	21.6200	8.4200	0.9300	0.5800	\$1,439.17	\$1,586.96	\$2,013.71	\$2,374.92	\$2,731.95	\$2,993.85	\$3,331.00	\$3,732.10
25	W21 x 83	24.3000	21.4300	8.3550	0.8350	0.5150	\$1,315.01	\$1,454.26	\$1,842.47	\$2,175.86	\$2,501.86	\$2,728.45	\$3,034.55	\$3,400.34
26	W21 x 73	21.5000	21.2400	8.2950	0.7400	0.4550	\$1,190.85	\$1,321.55	\$1,671.23	\$1,976.81	\$2,271.76	\$2,463.04	\$2,738.11	\$3,068.58
27	W21 x 68	20.0000	21.1300	8.2700	0.6850	0.4300	\$1,128.77	\$1,255.20	\$1,585.61	\$1,877.28	\$2,156.72	\$2,330.34	\$2,589.88	\$2,902.71
28	W21 x 62	18.3000	20.9900	8.2400	0.6150	0.4000	\$1,054.27	\$1,175.58	\$1,482.87	\$1,757.85	\$2,018.66	\$2,171.09	\$2,412.02	\$2,703.65
29	W21 x 57	16.7000	21.0600	6.5550	0.6500	0.4050	\$992.19	\$1,109.23	\$1,397.25	\$1,658.32	\$1,903.61	\$2,038.39	\$2,263.79	\$2,537.77
30	W21 x 50	14.7000	20.8300	6.5300	0.5350	0.3800	\$905.28	\$1,016.34	\$1,277.38	\$1,518.99	\$1,742.55	\$1,852.61	\$2,056.28	\$2,305.54

31	W21 x 44	13.0000	20.6600	6.5000	0.4500	0.3500	\$830.78	\$936.71	\$1,174.64	\$1,399.55	\$1,604.49	\$1,693.36	\$1,878.41	\$2,106.49
32	W18 x 119	35.1000	18.9700	11.2650	1.0600	0.6550	\$1,762.00	\$1,931.99	\$2,458.94	\$2,892.46	\$3,330.20	\$3,683.91	\$4,101.76	\$4,594.67
33	W18 x 106	31.1000	18.7300	11.2000	0.9400	0.5900	\$1,600.58	\$1,759.47	\$2,236.33	\$2,633.69	\$3,031.08	\$3,338.88	\$3,716.38	\$4,163.38
34	W18 x 97	28.5000	18.5900	11.1450	0.8700	0.5350	\$1,488.84	\$1,640.04	\$2,082.21	\$2,454.54	\$2,823.99	\$3,100.01	\$3,449.58	\$3,864.80
35	W18 x 86	25.3000	18.3900	11.0900	0.7700	0.4800	\$1,352.26	\$1,494.07	\$1,893.85	\$2,235.58	\$2,570.89	\$2,808.07	\$3,123.49	\$3,499.87
36	W18 x 76	22.3000	18.2100	11.0350	0.6800	0.4250	\$1,228.10	\$1,361.36	\$1,722.61	\$2,036.53	\$2,340.79	\$2,542.66	\$2,827.04	\$3,168.11
37	W18 x 71	20.8000	18.4700	7.6350	0.8100	0.4950	\$1,166.02	\$1,295.01	\$1,636.99	\$1,937.00	\$2,225.74	\$2,409.96	\$2,678.82	\$3,002.23
38	W18 x 65	19.1000	18.3500	7.5900	0.7500	0.4500	\$1,091.52	\$1,215.39	\$1,534.24	\$1,817.57	\$2,087.69	\$2,250.72	\$2,500.95	\$2,803.18
39	W18 x 60	17.6000	18.2400	7.5550	0.6950	0.4150	\$1,029.44	\$1,149.04	\$1,448.62	\$1,718.04	\$1,972.64	\$2,118.01	\$2,352.73	\$2,637.30
40	W18 x 55	16.2000	18.1100	7.5300	0.6300	0.3900	\$967.36	\$1,082.69	\$1,363.00	\$1,618.51	\$1,857.59	\$1,985.31	\$2,204.50	\$2,471.42
41	W18 x 50	14.7000	17.9900	7.4950	0.5700	0.3550	\$905.28	\$1,016.34	\$1,277.38	\$1,518.99	\$1,742.55	\$1,852.61	\$2,056.28	\$2,305.54
42	W18 x 46	13.5000	18.0600	6.0600	0.6050	0.3600	\$855.61	\$963.25	\$1,208.88	\$1,439.36	\$1,650.51	\$1,746.44	\$1,937.70	\$2,172.84
43	W18 x 40	11.8000	17.9000	6.0150	0.5250	0.3150	\$781.11	\$883.63	\$1,106.14	\$1,319.93	\$1,512.45	\$1,587.20	\$1,759.84	\$1,973.79
44	W18 x 35	10.3000	17.7000	6.0000	0.4250	0.3000	\$719.03	\$817.28	\$1,020.52	\$1,220.40	\$1,397.40	\$1,454.50	\$1,611.61	\$1,807.91
45	W16 x 100	29.4000	16.9700	10.4250	0.9850	0.5850	\$1,526.09	\$1,679.85	\$2,133.58	\$2,514.26	\$2,893.02	\$3,179.64	\$3,538.51	\$3,964.33
46	W16 x 89	26.2000	16.7500	10.3650	0.8750	0.5250	\$1,389.51	\$1,533.88	\$1,945.22	\$2,295.30	\$2,639.92	\$2,887.69	\$3,212.42	\$3,599.40
47	W16 x 77	22.6000	16.5200	10.2950	0.7600	0.4550	\$1,240.51	\$1,374.63	\$1,739.73	\$2,056.43	\$2,363.80	\$2,569.20	\$2,856.69	\$3,201.29
48	W16 x 67	19.7000	16.3300	10.2350	0.6650	0.3950	\$1,116.35	\$1,241.93	\$1,568.49	\$1,857.38	\$2,133.71	\$2,303.80	\$2,560.24	\$2,869.53
49	W16 x 57	16.8000	16.4300	7.1200	0.7150	0.4300	\$992.19	\$1,109.23	\$1,397.25	\$1,658.32	\$1,903.61	\$2,038.39	\$2,263.79	\$2,537.77
50	W16 x 50	14.7000	16.2600	7.0700	0.6300	0.3800	\$905.28	\$1,016.34	\$1,277.38	\$1,518.99	\$1,742.55	\$1,852.69	\$2,056.28	\$2,305.54
51	W16 x 45	13.3000	16.1300	7.0350	0.5650	0.3450	\$843.19	\$949.98	\$1,191.76	\$1,419.46	\$1,627.50	\$1,719.90	\$1,908.06	\$2,139.66
52	W16 x 40	11.8000	16.0100	6.9950	0.5050	0.3050	\$781.11	\$883.63	\$1,106.14	\$1,319.93	\$1,512.45	\$1,587.20	\$1,759.84	\$1,973.79
53	W16 x 36	10.6000	15.8600	6.9850	0.4300	0.2950	\$731.45	\$830.55	\$1,037.64	\$1,240.31	\$1,420.41	\$1,481.04	\$1,641.26	\$1,841.08
54	W16 x 31	9.1200	15.8800	5.5250	0.4400	0.2750	\$669.37	\$764.20	\$952.02	\$1,140.78	\$1,305.37	\$1,348.34	\$1,493.03	\$1,675.20
55	W16 x 26	7.6800	15.6900	5.5000	0.3450	0.2500	\$607.29	\$697.85	\$866.40	\$1,041.26	\$1,190.32	\$1,215.63	\$1,344.81	\$1,509.33
56	W14 x 730	215.0000	22.4200	17.8900	4.9100	3.0700								
57	W14 x 665	196.0000	21.6400	17.6500	4.5200	2.8300								
58	W14 x 605	178.0000	20.9200	17.4150	4.1600	2.5950								
59	W14 x 550	162.0000	20.2400	17.2000	3.8200	2.3800								
60	W14 x 500	147.0000	19.6000	17.0100	3.5000	2.1900								
61	W14 x 455	134.0000	19.0200	16.8350	3.2100	2.0150								
62	W14 x 426	125.0000	18.6700	16.6950	3.0350	1.8750								
63	W14 x 398	117.0000	18.2900	16.5900	2.8450	1.7700								
64	W14 x 370	109.0000	17.9200	16.4750	2.6600	1.6550								
65	W14 x 342	101.0000	17.5400	16.3600	2.4700	1.5400								
66	W14 x 311	91.4000	17.1200	16.2300	2.2600	1.4100								
67	W14 x 283	83.3000	16.7400	16.1100	2.0700	1.2900								

68	W14 × 257	75.6000	16.3800	15.9950	1.8900	1.1750													
69	W14 × 233	68.5000	16.0400	15.8900	1.7200	1.0700													
70	W14 × 211	62.0000	15.7200	15.8000	1.5600	0.9800													
71	W14 × 193	56.8000	15.4800	15.7100	1.4400	0.8900													
72	W14 × 176	51.8000	15.2200	15.6500	1.3100	0.8300													
73	W14 × 159	46.7000	14.9800	15.5650	1.1900	0.7450													
74	W14 × 145	42.7000	14.7800	15.5000	1.0900	0.6800													
75	W14 × 132	38.8000	14.6600	14.7250	1.0300	0.6450													
76	W14 × 120	35.3000	14.4800	14.6700	0.9400	0.5900	\$1,774.41	\$1,945.26	\$2,476.06	\$2,912.37	\$3,353.21	\$3,710.45	\$4,131.41	\$4,627.84					
77	W14 × 109	32.0000	14.3200	14.6050	0.8600	0.5250	1637.83	\$1,799.28	\$2,287.70	\$2,693.41	\$3,100.11	\$3,418.50	\$3,805.31	\$4,262.91					
78	W14 × 99	29.1000	14.1600	14.5650	0.7800	0.4850	\$1,513.67	\$1,666.58	\$2,116.46	\$2,494.35	\$2,870.01	\$3,153.10	\$3,508.87	\$3,931.15					
79	W14 × 90	26.5000	14.0200	14.5200	0.7100	0.4400	\$1,401.92	\$1,547.15	\$1,962.34	\$2,315.20	\$2,662.93	\$2,914.23	\$3,242.07	\$3,632.57					
80	W14 × 82	24.1000	14.3100	10.1300	0.8550	0.5100	\$1,302.60	\$1,440.98	\$1,825.35	\$2,155.96	\$2,478.85	\$2,701.91	\$3,004.91	\$3,367.17					
81	W14 × 74	21.8000	14.1700	10.0700	0.7850	0.4500	\$1,203.27	\$1,334.82	\$1,688.36	\$1,996.72	\$2,294.77	\$2,489.58	\$2,767.75	\$3,101.76					
82	W14 × 68	20.0000	14.0400	10.0350	0.7200	0.4150	\$1,128.77	\$1,255.20	\$1,585.61	\$1,877.28	\$2,156.72	\$2,330.34	\$2,589.88	\$2,902.71					
83	W14 × 61	17.9000	13.8900	9.9950	0.6450	0.3750	\$1,041.85	\$1,162.31	\$1,465.75	\$1,737.95	\$1,995.65	\$2,144.55	\$2,382.37	\$2,670.48					
84	W14 × 53	15.6000	13.9200	8.0600	0.6600	0.3700	\$942.52	\$1,056.15	\$1,328.75	\$1,578.70	\$1,811.57	\$1,932.23	\$2,145.22	\$2,405.07					
85	W14 × 48	14.1000	13.7900	8.0300	0.5950	0.3400	\$880.44	\$989.80	\$1,243.13	\$1,479.17	\$1,696.53	\$1,799.53	\$1,996.99	\$2,239.19					
86	W14 × 43	12.6000	13.6600	7.9950	0.5300	0.3050	\$818.36	\$923.44	\$1,157.51	\$1,379.65	\$1,581.48	\$1,666.82	\$1,848.77	\$2,073.31					
87	W14 × 38	11.2000	14.1000	6.7700	0.5150	0.3100	\$756.28	\$857.09	\$1,071.89	\$1,280.12	\$1,466.43	\$1,534.12	\$1,700.55	\$1,907.43					
88	W14 × 34	10.0000	13.9800	6.7450	0.4550	0.2850	\$706.62	\$804.01	\$1,003.40	\$1,200.50	\$1,374.39	\$1,427.96	\$1,581.97	\$1,774.73					
89	W14 × 30	8.8500	13.8400	6.7300	0.3850	0.2700	\$656.95	\$750.93	\$934.90	\$1,120.88	\$1,282.36	\$1,321.80	\$1,463.39	\$1,642.03					
90	W14 × 26	7.6900	13.9100	5.0250	0.4200	0.2550	\$607.29	\$697.85	\$866.40	\$1,041.26	\$1,190.32	\$1,215.63	\$1,344.81	\$1,509.33					
91	W14 × 22	6.4900	13.7400	5.0000	0.3350	0.2300	\$557.62	\$644.77	\$797.91	\$961.63	\$1,098.28	\$1,109.47	\$1,226.23	\$1,376.62					
92	W12 × 336	98.8000	16.8200	13.3850	2.9550	1.7750													
93	W12 × 305	89.6000	16.3200	13.2350	2.7050	1.6250													
94	W12 × 279	81.9000	15.8500	13.1400	2.4700	1.5300													
95	W12 × 252	74.1000	15.4100	13.0050	2.2500	1.3950													
96	W12 × 230	67.7000	15.0500	12.8950	2.0700	1.2850													
97	W12 × 210	61.8000	14.7100	12.7900	1.9000	1.1800													
98	W12 × 190	55.8000	14.3800	12.6700	1.7350	1.0600													
99	W12 × 170	50.0000	14.0300	12.5700	1.5600	0.9600													
100	W12 × 152	44.7000	13.7100	12.4800	1.4000	0.8700													
101	W12 × 136	39.9000	13.4100	12.4000	1.2500	0.7900													
102	W12 × 120	35.3000	13.1200	12.3200	1.1050	0.7100	\$1,774.41	\$1,945.26	\$2,476.06	\$2,912.37	\$3,353.21	\$3,710.45	\$4,131.41	\$4,627.84					
103	W12 × 106	31.2000	12.8900	12.2200	0.9900	0.6100	\$1,600.58	\$1,759.47	\$2,236.33	\$2,633.69	\$3,031.08	\$3,338.88	\$3,716.38	\$4,163.38					
104	W12 × 96	28.2000	12.7100	12.1600	0.9000	0.5500	\$1,476.42	\$1,626.77	\$2,065.09	\$2,434.64	\$2,800.98	\$3,073.47	\$3,419.93	\$3,831.63					
105	W12 × 87	25.6000	12.5300	12.1250	0.8100	0.5150	\$1,364.68	\$1,507.34	\$1,910.97	\$2,255.49	\$2,593.90	\$2,834.61	\$3,153.13	\$3,533.04					
106	W12 × 79	23.2000	12.3800	12.0800	0.7350	0.4700	\$1,265.35	\$1,401.17	\$1,773.98	\$2,096.24	\$2,409.82	\$2,622.28	\$2,915.98	\$3,267.64					
107	W12 × 72	21.1000	12.2500	12.0400	0.6700	0.4300	\$1,178.43	\$1,308.28	\$1,654.11	\$1,956.91	\$2,248.75	\$2,436.50	\$2,708.46	\$3,035.41					
108	W12 × 65	19.1000	12.1200	12.0000	0.6050	0.3900	\$1,091.52	\$1,215.39	\$1,534.24	\$1,817.57	\$2,087.69	\$2,250.72	\$2,500.95	\$2,803.18					
109	W12 × 58	17.0000	12.1900	10.0100	0.6400	0.3600	\$1,004.61	\$1,122.50	\$1,414.37	\$1,678.23	\$1,926.62	\$2,064.93	\$2,293.44	\$2,570.95					

110	W12 x 53	15.6000	12.0600	9.9950	0.5750	0.3450	\$942.52	\$1,056.15	\$1,328.75	\$1,578.70	\$1,811.57	\$1,932.23	\$2,145.22	\$2,405.07
111	W12 x 50	14.7000	12.1900	8.0800	0.6400	0.3700	\$905.28	\$1,016.34	\$1,277.38	\$1,518.99	\$1,742.55	\$1,852.61	\$2,056.28	\$2,305.54
112	W12 x 45	13.2000	12.0600	8.0450	0.5750	0.3350	\$900.00	\$1,008.00	\$1,266.00	\$1,506.00	\$1,710.00	\$1,842.00	\$2,046.00	\$2,286.00
113	W12 x 40	11.8000	11.9400	8.0050	0.5150	0.2950	\$870.00	\$978.00	\$1,194.00	\$1,438.80	\$1,674.00	\$1,806.00	\$2,022.00	\$2,274.00
114	W12 x 35	10.3000	12.5000	6.5600	0.5200	0.3000	\$834.00	\$942.00	\$1,020.00	\$1,254.00	\$1,554.00	\$1,794.00	\$1,926.00	\$2,238.00
115	W12 x 30	8.7900	12.3400	6.5200	0.4400	0.2600	\$720.00	\$834.00	\$894.00	\$1,050.00	\$1,362.00	\$1,676.40	\$1,914.00	\$2,154.00
116	W12 x 26	7.6500	12.2200	6.4900	0.3800	0.2300	\$607.29	\$697.85	\$866.40	\$1,041.26	\$1,190.32	\$1,215.63	\$1,344.81	\$1,509.33
117	W12 x 22	6.4800	12.3100	4.0300	0.4250	0.2600	\$557.62	\$644.77	\$797.91	\$961.63	\$1,098.28	\$1,109.47	\$1,226.23	\$1,376.62
118	W12 x 19	5.5700	12.1600	4.0050	0.3500	0.2350	\$520.37	\$604.96	\$746.54	\$901.92	\$1,029.25	\$1,029.85	\$1,137.30	\$1,277.10
119	W12 x 16	4.7100	11.9900	3.9900	0.2650	0.2200	\$483.12	\$565.15	\$695.16	\$842.20	\$960.22	\$984.00	\$1,048.36	\$1,177.57
120	W12 x 14	4.1600	11.9100	3.9700	0.2250	0.2000	\$480.00	\$558.00	\$693.60	\$840.00	\$957.60	\$966.00	\$1,044.00	\$1,176.00
121	W10 x 112	32.9000	11.3600	10.4150	1.2500	0.7550								
122	W10 x 100	29.4000	11.1000	10.3400	1.1200	0.6800								
123	W10 x 88	25.9000	10.8400	10.2650	0.9900	0.6050	\$1,377.09	\$1,520.61	\$1,928.09	\$2,275.39	\$2,616.91	\$2,861.15	3182 39/50	\$3,566.22
124	W10 x 77	22.6000	10.6000	10.1900	0.8700	0.5300	\$1,240.51	\$1,374.63	\$1,739.73	\$2,056.43	\$2,363.80	\$2,569.20	\$2,856.69	\$3,201.29
125	W10 x 68	20.0000	10.4000	10.1300	0.7700	0.4700	\$1,128.77	\$1,255.20	\$1,585.61	\$1,877.28	\$2,156.72	\$2,330.34	\$2,589.88	\$2,902.71
126	W10 x 60	17.6000	10.2200	10.0800	0.6800	0.4200	\$1,029.44	\$1,149.04	\$1,448.62	\$1,718.04	\$1,972.64	\$2,118.01	\$2,352.73	\$2,637.30
127	W10 x 54	15.8000	10.0900	10.0300	0.6150	0.3700	\$954.94	\$1,069.42	\$1,345.88	\$1,598.61	\$1,834.58	\$1,958.77	\$2,174.86	\$2,438.25
128	W10 x 49	14.4000	9.9800	10.0000	0.5600	0.3400	\$892.86	\$1,003.07	\$1,260.26	\$1,499.08	\$1,719.54	\$1,826.07	\$2,026.64	\$2,272.37
129	W10 x 45	13.3000	10.1000	8.0200	0.6200	0.3500	\$843.19	\$949.98	\$1,191.76	\$1,419.46	\$1,627.50	\$1,719.90	\$1,908.06	\$2,139.66
130	W10 x 39	11.5000	9.9200	7.9850	0.5300	0.3150	\$768.70	\$870.36	\$1,089.02	\$1,300.03	\$1,489.44	\$1,560.66	\$1,730.19	\$1,940.61
131	W10 x 33	9.7100	9.7300	7.9600	0.4350	0.2900	\$696.70	\$840.00	\$1,056.00	\$1,224.00	\$1,482.00	\$1,536.00	\$1,704.00	\$1,914.00
132	W10 x 30	8.8400	10.4700	5.8100	0.5100	0.3000	\$624.70	\$780.00	\$972.00	\$1,186.80	\$1,440.00	\$1,476.00	\$1,620.00	\$1,806.58
133	W10 x 26	7.6100	10.3300	5.7700	0.4400	0.2600	\$564.00	\$720.00	\$948.00	\$1,086.00	\$1,380.00	\$1,440.00	\$1,500.00	\$1,674.00
134	W10 x 22	6.4900	10.1700	5.7500	0.3600	0.2400	\$557.62	\$644.77	\$797.91	\$961.63	\$1,098.00	\$1,109.47	\$1,226.23	\$1,376.62
135	W10 x 19	5.6200	10.2400	4.0200	0.3950	0.2500	\$520.37	\$604.96	\$746.54	\$901.92	\$1,029.25	\$1,029.85	\$1,137.30	\$1,277.10
136	W10 x 17	4.9900	10.1100	4.0100	0.3300	0.2400	\$495.54	\$578.42	\$712.29	\$862.11	\$983.23	\$976.77	\$1,078.01	\$1,210.74
137	W10 x 15	4.4100	9.9900	4.0000	0.2700	0.2300	\$470.71	\$551.88	\$678.04	\$822.30	\$937.21	\$923.69	\$1,018.72	\$1,144.39
138	W10 x 12	3.5400	9.8700	3.9600	0.2100	0.1900	\$433.46	\$512.06	\$626.67	\$762.58	\$868.19	\$844.07	\$929.79	\$1,044.87
139	W8 x 67	19.7000	9.0000	8.2800	0.9350	0.5700	\$1,116.35	\$1,241.93	\$1,568.49	\$1,857.38	\$2,133.71	\$2,303.80	\$2,560.24	\$2,869.53
140	W8 x 58	17.1000	8.7500	8.2200	0.8100	0.5100	\$1,004.61	\$1,122.50	\$1,414.37	\$1,678.23	\$1,926.62	\$2,064.93	\$2,293.44	\$2,570.95
141	W8 x 48	14.1000	8.5000	8.1100	0.6850	0.4000	\$880.44	\$989.80	\$1,243.13	\$1,479.17	\$1,696.53	\$1,799.53	\$1,996.99	\$2,239.19
142	W8 x 40	11.7000	8.2500	8.0700	0.5600	0.3600	\$781.11	\$883.63	\$1,106.14	\$1,319.93	\$1,512.45	\$1,587.20	\$1,759.84	\$1,973.79
143	W8 x 35	10.3000	8.1200	8.0200	0.4950	0.3100	\$719.03	\$817.28	\$1,020.52	\$1,220.40	\$1,397.40	\$1,454.50	\$1,611.61	\$1,807.91
144	W8 x 31	9.1300	8.0000	7.9950	0.4350	0.2850	\$669.37	\$764.20	\$952.02	\$1,140.78	\$1,305.37	\$1,348.34	\$1,493.03	\$1,675.20
145	W8 x 28	8.2500	8.0600	6.5350	0.4650	0.2850	\$632.12	\$724.39	\$900.65	\$1,081.07	\$1,236.34	\$1,268.71	\$1,404.10	\$1,575.68
146	W8 x 24	7.0800	7.9300	6.4950	0.4000	0.2450	\$582.45	\$671.31	\$832.16	\$1,001.44	\$1,144.30	\$1,162.55	\$1,285.52	\$1,442.97
147	W8 x 21	6.1600	8.2800	5.2700	0.4000	0.2500	\$545.21	\$631.50	\$780.78	\$941.73	\$1,075.27	\$1,082.93	\$1,196.59	\$1,343.45
148	W8 x 18	5.2600	8.1400	5.2500	0.3300	0.2300	\$507.96	\$591.69	\$729.41	\$882.01	\$1,006.24	\$1,003.31	\$1,107.65	\$1,243.92
149	W8 x 15	4.4400	8.1100	4.0150	0.3150	0.2450	\$470.71	\$551.88	\$678.04	\$822.30	\$937.21	\$923.69	\$1,018.72	\$1,144.39
150	W8 x 13	3.8400	7.9900	4.0000	0.2550	0.2300	\$445.88	\$525.34	\$643.79	\$782.48	\$891.19	\$870.61	\$959.43	\$1,078.04
151	W8 x 10	2.9600	7.8900	3.9400	0.2050	0.1700	\$408.63	\$485.52	\$592.42	\$722.77	\$822.17	\$790.98	\$870.50	\$978.51
152	W6 x 25	7.3400	6.3800	6.0800	0.4550	0.3200	\$594.87	\$684.58	\$849.28	\$1,021.35	\$1,167.31	\$1,189.09	\$1,315.17	\$1,476.15
153	W6 x 20	5.8700	6.2000	6.0200	0.3650	0.2600	\$532.79	\$618.23	\$763.66	\$921.82	\$1,052.26	\$1,056.39	\$1,166.94	\$1,310.27
154	W6 x 16	4.7400	6.2800	4.0300	0.4050	0.2600	\$483.12	\$565.15	\$695.16	\$842.20	\$960.22	\$950.23	\$1,048.36	\$1,177.57
155	W6 x 15	4.4300	5.9900	5.9900	0.2600	0.2300	\$470.71	\$551.88	\$678.04	\$822.30	\$937.21	\$923.69	\$1,018.72	\$1,144.39
156	W6 x 12	3.5500	6.0300	4.0000	0.2800	0.2300	\$433.46	\$512.06	\$626.67	\$762.58	\$868.19	\$844.07	\$929.79	\$1,044.87
157	W6 x 9	2.6800	5.9000	3.9400	0.2150	0.1700	\$396.30	\$473.40	\$576.48	\$708.96	\$804.00	\$768.00	\$846.84	\$945.36
158	W5 x 19	5.5400	5.1500	5.0300	0.4300	0.2700	\$520.38	\$604.98	\$746.58	\$902.40	\$1,029.60	\$1,042.14	\$1,137.30	\$1,277.40
159	W5 x 16	4.6800	5.0100	5.0000	0.3600	0.2400	\$483.12	\$565.14	\$696.36	\$842.40	\$960.24	\$986.40	\$1,050.78	\$1,177.62
160	W4 x 13	3.8300	4.1600	4.0600	0.3450	0.2800	\$446.16	\$525.36	\$648.60	\$782.58	\$891.24	\$907.62	\$960.60	\$1,078.20

All standard ASTM reinforcing bars shall be 20' long and A615, grade 60. Mill test certification is									
REBAR DIMENSIONS									
Line No.	ENGLISH BAR SIZE DESIGNATION	METRIC BAR SIZE DESIGNATION	NOMINAL DIMENSIONS						INSERT COST PER PIECE (20' LONG)
			DIAMETER (in)	DIAMETER (mm)	AREA (in ²)	AREA (mm ²)	WEIGHT (LB/ft)	MASS (kg/m)	
1	No. 4	13	0.500	12.7	0.20	129	0.668	0.994	\$ 19.45
2	No. 5	16	0.625	15.9	0.31	199	1.043	1.552	\$ 30.45
3	No. 6	19	0.750	19.1	0.44	284	1.502	2.235	\$ 38.75
4	No. 8	25	1.000	25.4	0.79	510	2.670	3.973	\$ 44.65

All mesh sheets shall be 6 x 6-W12 x W12, 42" wide x 96" long, rectangular shape and ASTM A496. Must be supplied in flat sheets, ROLLS WILL NOT BE ACCEPTED. Mill test certification is required. Price shall be based on per sheet.

MESH DIMENSIONS					COST
Line No.	Style	Width	Length	INSERT COST PER SHEET 42" WIDE x 96" LONG	
1	6 x 6-W12 x W12	42"	96"	NO BID	

All C-Channels shall be ASTM 36. Price shall be based on per piece.

C-CHANNEL DIMENSION										COST
Line No.	inxlb/ft	Area (in ²)	d (in)	df (in)	tf (in)	tw (in)	I _{xx} (in ⁴)	I _{yy} (in ⁴)	xb (in)	INSERT COST PER PIECE (20' LONG)
1	C3x6	1.76	3	1.586	0.273	0.356	2.07	0.305	0.455	\$ 120.00
2	C4x7.25	2.13	4	1.721	0.296	0.321	4.59	0.433	0.459	\$ 140.00
3	C6x13	3.83	6	2.157	0.343	0.437	17.4	1.05	0.514	\$ 255.00

All hot rolled rounds shall be ASTM 36. Price shall be based on per piece.

HOT ROLLED ROUND DIMENSION			COST
Line No.	DIAMETER	Length	INSERT COST PER PIECE (20' LONG)
1	3/4"	20'	\$ 28.00

Steel Plates shall be ASTM 36. Price shall be based on per piece.

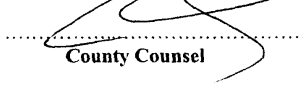
STEEL PLATE DIMENSION					COST
Line No.	Nominal Size				INSERT COST PER PIECE
	Thickness	Size	Weight	Weight	
	(inches)	(ft ²)	lb/ft ²	(lb)	
1	3/4"	4x4	30.6	489.6	\$ 360.00
2	3/4"	4x8	30.6	979.2	\$ 710.00
3	3/4"	4x10	30.6	306	\$ 885.00

All Angles shall be ASTM 36. Price shall be based on per piece								
Line No.	Designation	ANGLE DIMENSIONS						COST
		Depth	Width	Thickn ess	Section al Area	Weight	I	INSERT COST PER PIECE (20' LONG)
		in	in	in	in**2	lb/ft	in**4	
1	L2 1/2 x 2 1/2 x 1/2	2.5	2.5	0.5	2.25	7.7	1.23	\$ 140.98
2	L2 1/2 x 2 1/2 x 3/8	2.5	2.5	0.375	1.73	5.9	0.984	\$ 108.12
3	L3 x 3 x 3/8	3	3	0.375	2.11	7.2	1.76	\$ 131.44
4	L4 x 4 x 3/8	4	4	0.375	2.86	9.8	4.36	\$ 182.32
5	L4 x 4 x 1/2	4	4	0.5	3.75	12.8	5.56	\$ 238.50
6	L4 x 4 x 5/8	4	4	0.625	4.61	15.7	6.66	\$ 322.24
7	L4 x 4 x 3/4	4	4	0.75	5.44	18.5	7.67	\$ 380.54
8	L5 x 5 x 3/8	5	5	0.375	3.61	12.3	8.74	\$ 243.80
9	L5 x 5 x 1/2	5	5	0.5	4.75	16.2	11.3	\$ 323.30
10	L5 x 5 x 5/8	5	5	0.625	5.86	20	13.6	\$ 511.98
11	L5 x 5 x 3/4	5	5	0.75	6.94	23.6	15.7	\$ 492.90

All Steel Flats shall be ASTM 36. Price shall be based on per piece.				
Line No.	STEEL FLAT DIMENSION			COST
	Size	Weight	Weight	INSERT COST PER PIECE (20' LONG)
	in inches	per foot in lbs.	20' Length in lbs.	
1	1/2" x 3	5.1	102	\$ 91.16
2	5/8"x3	6.38	127.5	\$ 114.48
3	3/4"x3	7.65	153	\$ 137.80
4	1"x3	10.2	204	\$ 201.40
5	1 1/4"x3	12.75	255	\$ 312.70
6	1 1/2"x3	15.3	306	\$ 376.30
7	2" x 3	20.4	408	\$ 631.76
8	1/2" x 4	6.8	136	\$ 121.90
9	5/8"x 4	8.5	170	\$ 151.58
10	3/4"x 4	12.75	255	\$ 182.32
11	1"x 4	13.6	272	\$ 243.80
12	1 1/4"x 4	17	340	\$ 386.90
13	1 1/2"x 4	20.4	408	\$ 498.20
14	2" x 4	27.2	544	\$ 842.70
15	1/2" x 5	8.5	170	\$ 152.64
16	5/8"x 5	10.63	212.6	\$ 190.80
17	3/4"x 5	12.75	255	\$ 227.90
18	1"x 5	17	374	\$ 307.40
19	1 1/4"x 5	21.25	425	\$ 556.50
20	1 1/2"x 5	25.5	510	\$ 665.68
21	2" x 5	34	680	\$ 885.10
22	1/2" x 6	10.2	204	\$ 180.20
23	5/8"x 6	12.75	255	\$ 227.90
24	3/4"x 6	15.3	306	\$ 275.60
25	1"x 6	20.4	408	\$ 365.70
26	1 1/4"x 6	25.5	510	\$ 667.80
27	1 1/2"x 6	30.6	612	\$ 800.30
28	2" x 6	40.8	816	\$ 1,065.30
29	1/2" x 7	11.9	238	\$ 212.00
30	5/8"x 7	14.88	297.6	\$ 314.82
31	3/4"x 7	17.85	357	\$ 349.80
32	1"x 7	23.8	476	\$ 503.50
33	1 1/4"x 7	29.75	595	\$ 779.10
34	1 1/2"x 7	35.7	714	\$ 932.80
35	2" x 7	47.6	952	\$ 1,240.20

Approved as to Form and Legality

Date


.....
County Counsel

June 27, 2019
.....

COUNTY EXECUTIVE AND CLERK TO THE BOARD AUTHORIZED TO "EXERCISE AN OPTION TO EXTEND" AWARD OF BID CONTRACT WITH CAPITAL STEEL SERVICE, LLC, FOR STEEL FOR THE MERCER COUNTY DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE PERIOD: AUGUST 24, 2019 THROUGH AUGUST 24, 2020. TOTAL AMOUNT: \$125,000.00 (AB2018-31B)

WHEREAS, pursuant to the provision of N.J.S.A. 40A:11-15, the governing body may include provisions for a contract extension upon a finding by the governing body that the services are being performed in an effective and efficient manner; and,

WHEREAS, the County of Mercer entered into an Award of Bid Contract with Capital Steel Service LLC, 82 Stokes Avenue, Trenton, NJ 08638 for steel for the Mercer County Department of Transportation and Infrastructure for a period of August 25, 2018 through August 24, 2018 one (1) year with the Option to Extend for one (1) year, based on the index rate, in a total amount not to exceed \$125,000.00, as per Resolution No. 2018-441, adopted September 27, 2018; and,

WHEREAS, the County of Mercer is desirous of exercising the Option to Extend the Award of Bid Contract with Capital Steel Service, LLC, for the period of August 24, 2019 through August 24, 2020 in an amount of \$125,000.00; and,

.....
Clerk to the Board

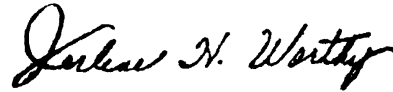
RECORD OF VOTE													
FREEHOLDER	Aye	Nay	N.V.	Abs.	Res.	Sec.	FREEHOLDER	Aye	Nay	N.V.	Abs.	Res.	Sec.
Cannon	X				✓		Melker	X					
Colavita	X					✓	Walter	X					
Frisby	X						Cimino				X		
Koontz	X												

X—Indicates Vote Abs.—Absent N.V.—Not Voting
Res.—Resolution Moved Sec.—Resolution Seconded

WHEREAS, the Chief Financial Officer of Mercer County has certified in writing the availability of funds for the purposes set forth in this Resolution; said certification is on file with the Clerk to the Board and funds are available in the 2019 Mercer County Budget and are contingent upon the inclusion in and adoption of the 2020 Mercer County Budget; now, therefore,

BE IT RESOLVED, that the County Executive and Clerk to the Board be and are hereby authorized to "exercise the Option to Extend" the Award of Bid Contract to Capital Steel Service, LLC for steel for the Mercer County Department of Transportation and Infrastructure for the period of August 24, 2019 to August 24, 2020, in the amount not to exceed \$125,000.00, on behalf of the County of Mercer, when presented in a form approved by County Counsel; and,

BE IT FURTHER RESOLVED, that the Clerk to the Board shall forward a copy of this Resolution to the Mercer County Department of Transportation and Infrastructure and the Mercer County Purchasing Department for further distribution.



.....
Clerk to the Board

SPECIFICATIONS FOR BID OF STEEL FOR THE MERCER COUNTY DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE

The County of Mercer requests bids for **HOT ROLLED STEEL AND STEEL BEAMS, REINFORCING BAR (REBAR) and REINFORCING WIRE MESH SHEETS** for the Department of Transportation for a period of one year with an option to extend one (1) year based upon the index rate. The following materials and corresponding price lines as listed below are required under this request for bid, RFB. Materials shall be in accordance with the specifications listed herein for each type of steel product. All Standard Mill Tolerances are acceptable except as noted. All HOT ROLLED STEEL BEAM material must meet **ASTM A992** grade or better as per specifications listed on price lines. All HOT ROLLED STEEL material must meet **ASTM A36**. All REINFORCING BAR material must meet **ASTM A615**. All REINFORCING WIRE MESH SHEET material must meet **ASTM A496**. Mill Test Certification is required with shipments. There is no price adjustment permitted. The County reserves the right to award multiple contracts based upon the lowest cost per beam. The County has budgeted \$125,000.00 for the purchase of steel for a period of one (1) year. The new contract will begin September 24, 2018.

All beams will require two (2) rows of shear studs (3/4" x 4 3/16" welded to the top flange only), 4 1/2" apart and staggered. There are no studs in the last 18" (each end). All steel must be hot dipped galvanized after fabrication, ASTM A123. Studs are not a pay item. The cost of the studs shall be included in the price of the beams. Please refer to the enclosed proposal pages and insert the unit cost per beam.

Below is a list of the bar size designations that the County of Mercer requests bids for. All rebar shall be 20' long. The material must be ASTM A615, Grade 60. Prices are based on 20' long piece. Please refer to the enclosed proposal pages and insert the unit cost per 20' piece.

ENGLISH BAR SIZE DESIGNATION	METRIC BAR SIZE DESIGNATION
No. 4	13
No. 5	16
No. 6	19
No. 8	25

All mesh sheets shall be 6 x 6-W12 x W12, 42" wide x 96" and rectangular in shape. The material must be ASTM A496. Prices are based on the 42" wide x 96" long sheet. Please refer to the enclosed proposal pages and insert the unit cost per sheet. Must be supplied in flat sheets, ROLLS WILL NOT BE ACCEPTED.

Hot rolled steel (C-Channel, Angles, Hot Rolled Rounds, Steel Plates, and Steel Flats) shall be ASTM 36 and all lengths shall be 20 ft., except the steel plates.

Hot Rolled Rounds

Specifications: ASTM A36

AKA: HR round, round bar

Applications: frame work, braces, supports, shafts, axels, etc.

Workability: Easy to Weld, Cut, Form, and Machine

Mechanical Properties: Brinell = 112, Tensile = 58-80,000 +/-, Yield = 36,000 +/-

How is it measured? Diameter (A) X Length

3/4 inch Dia. Round Bar

Steel Flat

Specifications: ASTM A569 (1/8" - 3/16"), ASTM A36 (1/4" & over)

AKA: HR steel flat bar, steel strip, steel rectangle

Applications: frame work, braces, supports, plates, straps, etc.

Workability: Easy to Weld, Cut, Form, and Machine

Mechanical Properties: Brinell = 112, Tensile = 48-80K +/-,

Yield = 35-36K +/-

How is it measured? Thickness (A) X Width (B) X Length

Available Stock Sizes: 2ft, 4ft, 6ft, 8ft, 10ft, 20ft or Cut to Size

The proposal pages consist of specific dimensions with spreadsheets for each dimension. **Vendors are not required to submit bids for all line items and may submit a partial bid.**

Bidders are required to provide prices as FOB destination to the specific delivery location stated in this RFB. Bidders shall provide three references.

PROPOSAL PAGES

The proposal pages shall be included in this bid specification and posted on the County website in EXCEL format. Please download the EXCEL spreadsheets and insert the unit costs. The County reserves the right to award multiple contracts based upon unit pricing.

ORDERING AND INVOICING

Orders placed by Using Agency will be priced based on the line item bid price. Invoices must reflect the bid price. Delivery must be made within three weeks from receipt of a purchase order.

DELIVERY LOCATION:

County of Mercer County

Transportation Facility

Building No.1

300 Scotch Road, West Trenton, NJ 08628

ORDER QUANTITIES:

There are no minimum order quantities for the D.O.T.

DELIVERY HOURS:

Deliveries will be accepted from Monday through Friday, excluding all County holidays, from 8:00 am to 2:30 pm. No deliveries are acceptable after 2:30 pm or on weekends. Twenty four (24) hour advance notice is to be given prior to delivery.

DELIVERY:

Delivery shall be made within three weeks after receipt of a purchase order. In the event the ordered materials are not delivered within twenty-eight (28) calendar days after receipt of order (A.R.O.), the County shall authorize the agency to secure the total amount of the requested delivery from any available source, the difference in price to be paid directly by the defaulting contractor. Delivery shall be F.O.B. destination to:

County of Mercer County

Transportation Facility

Building No. 1

300 Scotch Road

West Trenton, NJ 08628

LOADING/PACKING:

Beams, rebar, and mesh sheets must be unloaded and placed on wooden pallets or on 4" x 4" lumber at the time of delivery. The pallets and 4" x 4" will remain the property of the County. They shall not be placed on the ground.

PACKING SLIP

An itemized, complete packing list must accompany all shipments along with required mill test certifications.

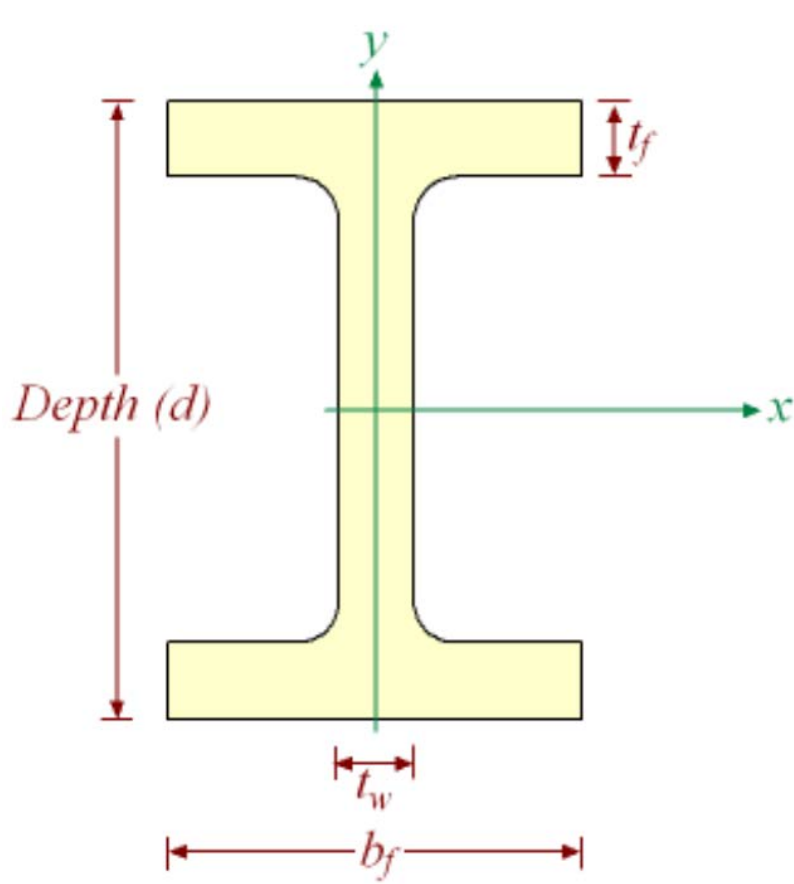
QUALITY ASSURANCE:

Contractor is required to protect all material and to deliver it to the location specified on the Purchase Order in an undamaged condition. If the delivery does not conform to the specifications or is in a damaged condition, the County reserves the right to reject the entire lot.

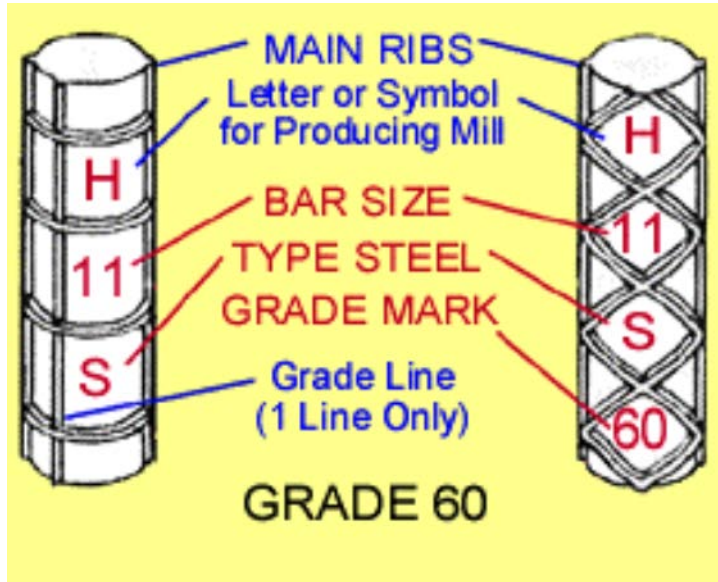
PLACE OF MANUFACTURE:

Only manufactured products of the United States, wherever available, shall be used on this contract. Bidders shall submit a statement of origin with their bid document.

TYPICAL BEAM SECTION



TYPICAL REINFORCING BAR



TYPICAL C-CHANNEL

