

**SHANDONG YUDING COLD-FORMED SECTION CO., LTD.**  
 LONGTAN EAST ST. HI-TECH DEVELOPMENT ZONE, LAIWU CITY, SHANDONG 271100, CHINA

**QUALITY CERTIFICATES**

INVOICE NO.: 122030  
 CONTRACT NO.: 122030  
 APPLICANT:  
 DOSCO AMERICA INC  
 19401 S. VERMONT AVE

TEST CERTIFICATE: 122030  
 DATE: JUN 22, 2012  
 L/C NO.: 173630610270768

DESCRIPTION OF GOODS:  
 635.211MT ERW TUBES ASTM A500, GRADE B

SIZE(INCHES) X WALL THICKNESS(INCHES) X LENGTH(FEET)	HEAT NUMBER	BUNDLE COUNT	TOTAL PIECE COUNT	METRIC TON	CHEMICAL COMPOSITION (%)					MECHANICAL PROPERTIES		
					C	Mn	Si	P	S	YIELD (N/mm <sup>2</sup> )	TENSILE (N/mm <sup>2</sup> )	ELONG. (%)
6" x 6" x 0.500" x 40'	H121-02781	12	48	30.699	0.17	1.15	0.18	0.019	0.01	395	512	28
10" x 4" x 0.250" x 40'	H111-11020	17	102	41.492	0.17	0.60	0.20	0.020	0.007	408	520	27.5
10" x 4" x 0.375" x 40'	H111-76200	9	36	21.281	0.18	0.58	0.15	0.021	0.008	384	511	26.5
10" x 10" x 0.250" x 40'	H111-31601	28	112	66.308	0.17	1.14	0.15	0.014	0.007	398	523	28.5
12" x 4" x 0.250" x 40'	H111-11020	23	92	43.100	0.17	0.60	0.20	0.020	0.007	408	520	27.5
12" x 4" x 0.313" x 40'	H113-00213	19	76	43.905	0.17	0.58	0.16	0.018	0.007	410	515	27
12" x 8" x 0.250" x 40'	H111-11020	11	44	26.050	0.17	0.60	0.20	0.020	0.007	408	520	27.5
12" x 8" x 0.375" x 40'	H111-76200	18	36	31.287	0.18	0.58	0.15	0.021	0.008	384	511	26.5
12" x 8" x 0.5" x 40'	H121-02781	10	20	22.665	0.17	1.15	0.18	0.019	0.01	395	512	28
12" x 12" x 0.250" x 40'	H111-01102	45	90	64.387	0.17	0.61	0.15	0.02	0.008	405	510	27
12" x 12" x 0.375" x 40'	H123-03578	30	60	63.250	0.18	0.58	0.16	0.018	0.008	410	518	27
14" x 14" x 0.313" x 40'	H121-00310	61	61	63.485	0.17	0.60	0.14	0.020	0.005	383	524	26.5
14" x 14" x 0.375" x 40'	H123-03578	27	27	33.464	0.18	0.58	0.16	0.018	0.004	410	518	27
14" x 14" x 0.500" x 40'	H121-02781	13	13	21.153	0.17	1.15	0.18	0.019	0.004	395	518	28
16" x 16" x 0.375" x 40'	H123-03578	44	44	62.685	0.18	0.58	0.16	0.018	0.004	410	518	27
TOTAL		367		635.211								

SHANDONG YUDING COLD-FORMED SECTION CO., LTD.  
 GENERAL MANAGER