Tab.3 Dimensional Range and Cost Categories - Hot Rolled Pipes in Ws. no. 1 ASSEL - for America

WT	mm	10.03	11.05	11.13	12.57	12.70	13.72	13.97	14.22	14.86	15.24	15.88	16.00	17.15	17.53	18.16	18.67	19.05	19.94	20.96	21.97	22.23	24.13	25.02	25.40	28.58	29.97	32.00	34.93	35.94	40.00	44.45	50.80	55.00	60.00
	in	0.395	0.435	0.438	0.495	0.500	0.540	0.550	0.560	0.585	0.600	0.625	0.630	0.675	0.690	0.715	0.735	0.750	0.785	0.825	0.865	0.875	0.950	0.985	1.000	1.125	1.180	1.260	1.375	1.415	1.575	1.750	2.000	2.165	2.362
OD		Length min-max (ft)																																	
mm	in																																		
60.33	2.375	33'-40'	30'-40'	30'-40'	28'-40'	28'-40'	28'-40'	25'-40'	25'-40'	25'-40'	25'-40'	25'-40'	25'-40'																						
63.50	2.500	31'-38'	29'-39'	29'-39'	26'-40'	26'-40'	26'-40'	23'-40'	23'-40'	23'-40'	23'-40'	23'-40'	23'-40'	23'-40'	23'-40'																				
69.85	2.750	27'-37'	25'-38'	25'-38'	23'-39'	23'-39'	23'-39'	20'-40'	20'-40'	20'-40'	20'-40'	20'-40'	20'-40'	20'-40'	20'-40'	20'-39'	20'-39'	20'-39'	20'-39'																
73.03	2.875	26'-36'	24'-37'	24'-37'	21'-38'	21'-38'	21'-38'	19'-38'	19'-38'	19'-38'	19'-38'	18'-39'	18'-39'	18'-39'	18'-39'	17'-39'	18'-39'	18'-39'	18'-39'																
76.20	3.000	25'-36'	23'-36'	23'-36'	20'-37'	20'-37'	20'-37'	19'-38'	19'-38'	18'-38'	18'-38'	18'-38'	18'-38'	18'-38'	18'-38'	18'-38'	18'-38'	18'-38'	18'-38'																
82.55	3.250	23'-36'	22'-37'	22'-37'	20'-37'	20'-37'	20'-37'	18'-38'	18'-38'	18'-38'	18'-38'	18'-39'	18'-39'	17'-39'	17'-39'	17'-39'	17'-39'	17'-39'	17'-39'	17'-39'	17'-39'	17'-39'	17'-39'	17'-39'											
88.90	3.500	24'-36'	22'-37'	22'-37'	20'-37'	20'-37'	19'-37'	18'-38'	18'-38'	18'-38'	18'-38'	17'-39'	17'-39'	17'-39'	17'-39'	17'-39'	17'-39'	17'-40'	17'-40'	17'-40'	17'-40'	17'-40'	17'-40'	17'-39'											
95.25	3.750	24'-35'	22'-36'	22'-36'	19'-36'	19'-36'	19'-36'	18'-37'	17'-37'	17'-37'	17'-37'	16'-38'	16'-38'	16'-38'	16'-38'	16'-38'	16'-38'	17'-39'	17'-39'	17'-39'	17'-39'	17'-39'	17'-39'	17'-39'											
101.60	4.000	18'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-29'									
107.95	4.250	18'-31'	17'-31'	17'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-28'	16'-27'								
114.30	4.500	18'-31'	18'-31'	18'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-29'							
120.65	4.750	18'-31'	17'-31'	17'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-28'	16'-27'	16'-26'	16'-25'					
127.00	5.000		18'-31'	18'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-28'	16'-27'	16'-25'	16'-25'					
133.35	5.250		18'-31'	18'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-28'	16'-27'	16'-25'	16'-24'	16'-23'					
139.70	5.500				16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-29'	16'-29'	16'-27'	16'-26'	16'-25'	16'-23'					
146.05	5.750				17'-31'	17'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-28'	16'-27'	16'-26'	16'-24'	16'-23'	16'-22'					
152.40	6.000				16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-28'	16'-26'	16'-26'	16'-24'	16'-22'				
158.75	6.250				20'-36'	20'-36'	20'-36'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-29'	16'-28'	16'-27'	16'-25'	16'-23'	16'-21'			
165.10	6.500							16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-29'	16'-27'	16'-27'	16'-25'	16'-23'	16'-21'		
171.45	6.750							16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-29'	16'-27'	16'-27'	16'-25'	16'-23'	16'-20'		
177.80	7.000							16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-29'	16'-28'	16'-28'	16'-23'	16'-24'	16'-22'		
190.50	7.500											16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-29'	16'-28'	16'-29'	16'-28'	16'-28'	16'-27'	16'-25'	16'-23'	16'-22'	
196.85	7.750													16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-29'	16'-29'	16'-28'	16'-28'	16'-28'	16'-27'	16'-25'	16'-23'	16'-22'	
203.20	8.000													16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-29'	16'-29'	16'-28'	16'-28'	16'-28'	16'-27'	16'-25'	16'-23'	16'-22'	16'-21'
209.55	8.250													16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-29'	16'-29'	16'-28'	16'-28'	16'-28'	16'-27'	16'-25'	16'-23'	16'-22'	16'-21'
215.90	8.500													16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-29'	16'-29'	16'-28'	16'-28'	16'-28'	16'-27'	16'-25'	16'-24'	16'-23'	16'-21'
219.08	8.625													16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-30'	16'-30'	16'-29'	16'-29'	16'-29'	16'-28'	16'-28'	16'-28'	16'-27'	16'-27'	16'-27'	16'-25'	16'-23'	16'-22'
222.25	8.750													18'-31'	17'-31'	17'-31'	17'-31'	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-30'	16'-30'	16'-30'	16'-29'	16'-28'	16'-28'	16'-28'	16'-27'	16'-27'	16'-27'	16'-25'	16'-23'	16'-22'
228.60	9.000																	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-30'	16'-30'	16'-30'	16'-29'	16'-29'	16'-28'	16'-28'	16'-27'	16'-27'	16'-26'	16'-25'	16'-23'	16'-22'
234.95	9.250																	16'-31'	16'-31'	16'-31'	16'-30'	16'-30'	16'-30'	16'-29'	16'-29'	16'-29'	16'-28'	16'-28'	16'-28'	16'-27'	16'-27'	16'-26'	16'-24'	16'-23'	16'-21'
241.30	9.500																	16'-30'	16'-30'	16'-30'	16'-30'	16'-30'	16'-30'	16'-29'	16'-29'	16'-29'	16'-28'	16'-28'	16'-27'	16'-27'	16'-27'	16'-26'	16'-24'	16'-22'	16'-21'
247.65	9.750																	16'-30'	16'-30'	16'-30'	16'-30'	16'-30'	16'-30'	16'-29'	16'-29'	16'-29'	16'-28'	16'-28'	16'-27'	16'-27'	16'-27'	16'-26'	16'-24'	16'-22'	16'-21'
254.00	10.000																							16'-28'	16'-28'	16'-28'	16'-28'	16'-27'	16'-27'	16'-27'	16'-26'	16'-25'	16'-22'	16'-21'	16'-20'
259.97	10.235																										16'-28'	16'-27'	16'-27'	16'-27'	16'-26'	16'-23'	16'-22'	16'-20'	16'-19'

Category H4
Caliber Laminor

Category H2
Reduction Laminor ;

Category H3
Caliber Laminor

All pipes will be heat treated by
quenchering and tempering heat treatı