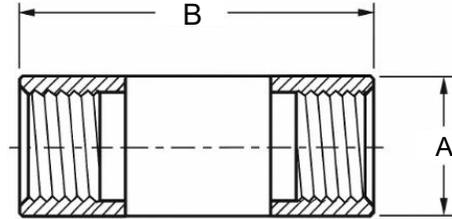


Project Name: _____

Job #: _____

CARBON STEEL PIPE NIPPLES

ASME B1.20.1



- Grade: Black Galvanized
 Weld: Seamless Welded
 Source: Import Domestic Approved DFARS

DIMENSIONS

UOM: Inches/LB

SELECT	SIZE 1 (A)	SIZE 2 (B)	APPROX WEIGHT	
			SCH 40S / STD <input type="checkbox"/>	SCH 80S / XH <input type="checkbox"/>
<input type="checkbox"/>	1/8"	1"	0.020	0.026
<input type="checkbox"/>	1/8"	1-1/2"	0.031	0.039
<input type="checkbox"/>	1/8"	2"	0.041	0.052
<input type="checkbox"/>	1/8"	2-1/2"	0.051	0.065
<input type="checkbox"/>	1/8"	3"	0.061	0.079
<input type="checkbox"/>	1/8"	3-1/2"	0.071	0.092
<input type="checkbox"/>	1/8"	4"	0.081	0.105
<input type="checkbox"/>	1/8"	5"	0.102	0.131
<input type="checkbox"/>	1/8"	6"	0.122	0.157
<input type="checkbox"/>	1/8"	7"	0.143	0.183
<input type="checkbox"/>	1/8"	8"	0.163	0.209
<input type="checkbox"/>	1/8"	10"	0.204	0.262
<input type="checkbox"/>	1/8"	12"	0.244	0.314
<input type="checkbox"/>	1/8"	14"	0.285	0.367
<input type="checkbox"/>	1/8"	16"	0.326	0.419
<input type="checkbox"/>	1/8"	18"	0.367	0.471
<input type="checkbox"/>	1/8"	20"	0.407	0.524
<input type="checkbox"/>	1/8"	24"	0.489	0.628
<input type="checkbox"/>	1/8"	30"	0.611	0.785
<input type="checkbox"/>	1/8"	36"	0.733	0.943
<input type="checkbox"/>	1/8"	48"	0.978	1.257
<input type="checkbox"/>	1/8"	60"	1.222	1.571
<input type="checkbox"/>	1/8"	72"	1.467	1.885

Project Name: _____

Job #: _____

SELECT	SIZE 1 (A)	SIZE 2 (B)	APPROX WEIGHT	
			SCH 40S / STD <input type="checkbox"/>	SCH 80S / XH <input type="checkbox"/>
<input type="checkbox"/>	1/4"	1"	0.035	0.045
<input type="checkbox"/>	1/4"	1-1/2"	0.053	0.067
<input type="checkbox"/>	1/4"	2"	0.071	0.089
<input type="checkbox"/>	1/4"	2-1/2"	0.088	0.111
<input type="checkbox"/>	1/4"	3"	0.106	0.134
<input type="checkbox"/>	1/4"	3-1/2"	0.124	0.156
<input type="checkbox"/>	1/4"	4"	0.141	0.178
<input type="checkbox"/>	1/4"	5"	0.177	0.223
<input type="checkbox"/>	1/4"	6"	0.212	0.267
<input type="checkbox"/>	1/4"	7"	0.248	0.312
<input type="checkbox"/>	1/4"	8"	0.283	0.356
<input type="checkbox"/>	1/4"	10"	0.354	0.445
<input type="checkbox"/>	1/4"	12"	0.424	0.534
<input type="checkbox"/>	1/4"	14"	0.495	0.624
<input type="checkbox"/>	1/4"	16"	0.566	0.713
<input type="checkbox"/>	1/4"	18"	0.637	0.802
<input type="checkbox"/>	1/4"	20"	0.707	0.891
<input type="checkbox"/>	1/4"	24"	0.849	1.069
<input type="checkbox"/>	1/4"	30"	1.061	1.336
<input type="checkbox"/>	1/4"	36"	1.273	1.603
<input type="checkbox"/>	1/4"	48"	1.697	2.138
<input type="checkbox"/>	1/4"	60"	2.122	2.672
<input type="checkbox"/>	1/4"	72"	2.546	3.207
<input type="checkbox"/>	3/8"	1"	0.047	0.062
<input type="checkbox"/>	3/8"	1-1/2"	0.071	0.092
<input type="checkbox"/>	3/8"	2"	0.094	0.123
<input type="checkbox"/>	3/8"	2-1/2"	0.118	0.154
<input type="checkbox"/>	3/8"	3"	0.142	0.185
<input type="checkbox"/>	3/8"	3-1/2"	0.165	0.215
<input type="checkbox"/>	3/8"	4"	0.189	0.246
<input type="checkbox"/>	3/8"	5"	0.236	0.308
<input type="checkbox"/>	3/8"	6"	0.283	0.369
<input type="checkbox"/>	3/8"	7"	0.331	0.431
<input type="checkbox"/>	3/8"	8"	0.378	0.492
<input type="checkbox"/>	3/8"	10"	0.472	0.615
<input type="checkbox"/>	3/8"	12"	0.567	0.738
<input type="checkbox"/>	3/8"	14"	0.661	0.861
<input type="checkbox"/>	3/8"	16"	0.756	0.984
<input type="checkbox"/>	3/8"	18"	0.850	1.107
<input type="checkbox"/>	3/8"	20"	0.945	1.230
<input type="checkbox"/>	3/8"	24"	1.134	1.476
<input type="checkbox"/>	3/8"	30"	1.417	1.845
<input type="checkbox"/>	3/8"	36"	1.701	2.214
<input type="checkbox"/>	3/8"	48"	2.268	2.952

Project Name: _____

Job #: _____

SELECT	SIZE 1 (A)	SIZE 2 (B)	APPROX WEIGHT			
			SCH 40S / STD □	SCH 80S / XH □	SCH 160S □	SCH XXH □
<input type="checkbox"/>	3/8"	60"	2.835	3.690		
<input type="checkbox"/>	3/8"	72"	3.402	4.428		
<input type="checkbox"/>	1/2"	1"	0.071	0.091	0.121	0.143
<input type="checkbox"/>	1/2"	1-1/2"	0.106	0.136	0.181	0.214
<input type="checkbox"/>	1/2"	2"	0.142	0.181	0.241	0.285
<input type="checkbox"/>	1/2"	2-1/2"	0.177	0.226	0.301	0.357
<input type="checkbox"/>	1/2"	3"	0.213	0.272	0.362	0.428
<input type="checkbox"/>	1/2"	3-1/2"	0.248	0.317	0.422	0.500
<input type="checkbox"/>	1/2"	4"	0.283	0.362	0.482	0.571
<input type="checkbox"/>	1/2"	5"	0.354	0.453	0.603	0.714
<input type="checkbox"/>	1/2"	6"	0.425	0.543	0.723	0.856
<input type="checkbox"/>	1/2"	7"	0.496	0.634	0.844	0.999
<input type="checkbox"/>	1/2"	8"	0.567	0.725	0.964	1.142
<input type="checkbox"/>	1/2"	10"	0.708	0.906	1.206	1.427
<input type="checkbox"/>	1/2"	12"	0.850	1.087	1.447	1.713
<input type="checkbox"/>	1/2"	14"	0.992	1.268	1.688	1.998
<input type="checkbox"/>	1/2"	16"	1.133	1.449	1.929	2.283
<input type="checkbox"/>	1/2"	18"	1.275	1.630	2.170	2.569
<input type="checkbox"/>	1/2"	20"	1.417	1.811	2.411	2.854
<input type="checkbox"/>	1/2"	24"	1.700	2.174	2.893	3.425
<input type="checkbox"/>	1/2"	30"	2.125	2.717	3.617	4.282
<input type="checkbox"/>	1/2"	36"	2.550	3.261	4.340	5.138
<input type="checkbox"/>	1/2"	48"	3.400	4.347	5.787	6.850
<input type="checkbox"/>	1/2"	60"	4.250	5.434	7.233	8.563
<input type="checkbox"/>	1/2"	72"	5.100	6.521	8.680	10.276
<input type="checkbox"/>	3/4"	1"	0.094	0.123	0.161	0.203
<input type="checkbox"/>	3/4"	1-1/2"	0.141	0.184	0.242	0.305
<input type="checkbox"/>	3/4"	2"	0.188	0.245	0.323	0.406
<input type="checkbox"/>	3/4"	2-1/2"	0.235	0.307	0.403	0.508
<input type="checkbox"/>	3/4"	3"	0.282	0.368	0.484	0.610
<input type="checkbox"/>	3/4"	3-1/2"	0.329	0.429	0.564	0.711
<input type="checkbox"/>	3/4"	4"	0.377	0.491	0.645	0.813
<input type="checkbox"/>	3/4"	5"	0.471	0.613	0.806	1.016
<input type="checkbox"/>	3/4"	6"	0.565	0.736	0.968	1.219
<input type="checkbox"/>	3/4"	7"	0.659	0.859	1.129	1.422
<input type="checkbox"/>	3/4"	8"	0.753	0.981	1.290	1.625
<input type="checkbox"/>	3/4"	10"	0.941	1.227	1.613	2.032
<input type="checkbox"/>	3/4"	12"	1.130	1.472	1.935	2.438
<input type="checkbox"/>	3/4"	14"	1.318	1.717	2.258	2.845
<input type="checkbox"/>	3/4"	16"	1.506	1.963	2.580	3.251
<input type="checkbox"/>	3/4"	18"	1.694	2.208	2.903	3.657
<input type="checkbox"/>	3/4"	20"	1.883	2.454	3.225	4.064
<input type="checkbox"/>	3/4"	24"	2.259	2.944	3.870	4.876

Project Name: _____

Job #: _____

SELECT	SIZE 1 (A)	SIZE 2 (B)	APPROX WEIGHT			
			SCH 40S / STD □	SCH 80S / XH □	SCH 160S □	SCH XXH □
<input type="checkbox"/>	3/4"	30"	2.824	3.680	4.838	6.096
<input type="checkbox"/>	3/4"	36"	3.389	4.416	5.805	7.315
<input type="checkbox"/>	3/4"	48"	4.519	5.889	7.740	9.753
<input type="checkbox"/>	3/4"	60"	5.648	7.361	9.675	12.191
<input type="checkbox"/>	3/4"	72"	6.778	8.833	11.610	14.629
<input type="checkbox"/>	1"	1"	0.140	0.181	0.237	0.305
<input type="checkbox"/>	1"	1-1/2"	0.210	0.271	0.355	0.457
<input type="checkbox"/>	1"	2"	0.280	0.362	0.473	0.609
<input type="checkbox"/>	1"	2-1/2"	0.349	0.452	0.592	0.762
<input type="checkbox"/>	1"	3"	0.419	0.542	0.710	0.914
<input type="checkbox"/>	1"	3-1/2"	0.489	0.633	0.829	1.066
<input type="checkbox"/>	1"	4"	0.559	0.723	0.947	1.218
<input type="checkbox"/>	1"	5"	0.699	0.904	1.184	1.523
<input type="checkbox"/>	1"	6"	0.839	1.085	1.420	1.828
<input type="checkbox"/>	1"	7"	0.978	1.266	1.657	2.132
<input type="checkbox"/>	1"	8"	1.118	1.446	1.894	2.437
<input type="checkbox"/>	1"	10"	1.398	1.808	2.367	3.046
<input type="checkbox"/>	1"	12"	1.677	2.169	2.841	3.655
<input type="checkbox"/>	1"	14"	1.957	2.531	3.314	4.264
<input type="checkbox"/>	1"	16"	2.236	2.893	3.787	4.874
<input type="checkbox"/>	1"	18"	2.516	3.254	4.261	5.483
<input type="checkbox"/>	1"	20"	2.795	3.616	4.734	6.092
<input type="checkbox"/>	1"	24"	3.354	4.339	5.681	7.310
<input type="checkbox"/>	1"	30"	4.193	5.424	7.101	9.138
<input type="checkbox"/>	1"	36"	5.032	6.508	8.522	10.966
<input type="checkbox"/>	1"	48"	6.709	8.678	11.362	14.621
<input type="checkbox"/>	1"	60"	8.386	10.847	14.203	18.276
<input type="checkbox"/>	1"	72"	10.063	13.017	17.043	21.931
<input type="checkbox"/>	1-1/4"	1"	0.189	0.249	0.345	0.434
<input type="checkbox"/>	1-1/4"	1-1/2"	0.284	0.374	0.517	0.651
<input type="checkbox"/>	1-1/4"	2"	0.378	0.499	0.689	0.868
<input type="checkbox"/>	1-1/4"	2-1/2"	0.473	0.624	0.861	1.085
<input type="checkbox"/>	1-1/4"	3"	0.568	0.748	1.034	1.302
<input type="checkbox"/>	1-1/4"	3-1/2"	0.662	0.873	1.206	1.519
<input type="checkbox"/>	1-1/4"	4"	0.757	0.998	1.378	1.736
<input type="checkbox"/>	1-1/4"	5"	0.946	1.247	1.723	2.170
<input type="checkbox"/>	1-1/4"	6"	1.135	1.497	2.067	2.604
<input type="checkbox"/>	1-1/4"	7"	1.324	1.746	2.412	3.038
<input type="checkbox"/>	1-1/4"	8"	1.514	1.996	2.756	3.472
<input type="checkbox"/>	1-1/4"	10"	1.892	2.495	3.445	4.340
<input type="checkbox"/>	1-1/4"	12"	2.270	2.993	4.134	5.208
<input type="checkbox"/>	1-1/4"	14"	2.649	3.492	4.823	6.077
<input type="checkbox"/>	1-1/4"	16"	3.027	3.991	5.512	6.945

Project Name: _____

Job #: _____

SELECT	SIZE 1 (A)	SIZE 2 (B)	APPROX WEIGHT			
			SCH 40S / STD □	SCH 80S / XH □	SCH 160S □	SCH XXH □
<input type="checkbox"/>	1-1/4"	18"	3.405	4.490	6.201	7.813
<input type="checkbox"/>	1-1/4"	20"	3.784	4.989	6.890	8.681
<input type="checkbox"/>	1-1/4"	24"	4.541	5.987	8.268	10.417
<input type="checkbox"/>	1-1/4"	30"	5.676	7.484	10.335	13.021
<input type="checkbox"/>	1-1/4"	36"	6.811	8.980	12.403	15.625
<input type="checkbox"/>	1-1/4"	48"	9.081	11.974	16.537	20.834
<input type="checkbox"/>	1-1/4"	60"	11.352	14.967	20.671	26.042
<input type="checkbox"/>	1-1/4"	72"	13.622	17.961	24.805	31.251
<input type="checkbox"/>	1-1/2"	1"	0.226	0.302	0.427	0.533
<input type="checkbox"/>	1-1/2"	1-1/2"	0.339	0.453	0.640	0.800
<input type="checkbox"/>	1-1/2"	2"	0.452	0.605	0.854	1.067
<input type="checkbox"/>	1-1/2"	2-1/2"	0.566	0.756	1.067	1.334
<input type="checkbox"/>	1-1/2"	3"	0.679	0.907	1.280	1.600
<input type="checkbox"/>	1-1/2"	3-1/2"	0.792	1.058	1.494	1.867
<input type="checkbox"/>	1-1/2"	4"	0.905	1.209	1.707	2.134
<input type="checkbox"/>	1-1/2"	5"	1.131	1.511	2.134	2.667
<input type="checkbox"/>	1-1/2"	6"	1.357	1.814	2.561	3.201
<input type="checkbox"/>	1-1/2"	7"	1.584	2.116	2.987	3.734
<input type="checkbox"/>	1-1/2"	8"	1.810	2.418	3.414	4.268
<input type="checkbox"/>	1-1/2"	10"	2.262	3.023	4.268	5.334
<input type="checkbox"/>	1-1/2"	12"	2.715	3.627	5.121	6.401
<input type="checkbox"/>	1-1/2"	14"	3.167	4.232	5.975	7.468
<input type="checkbox"/>	1-1/2"	16"	3.620	4.837	6.828	8.535
<input type="checkbox"/>	1-1/2"	18"	4.072	5.441	7.682	9.602
<input type="checkbox"/>	1-1/2"	20"	4.525	6.046	8.535	10.669
<input type="checkbox"/>	1-1/2"	24"	5.430	7.255	10.242	12.803
<input type="checkbox"/>	1-1/2"	30"	6.787	9.069	12.803	16.003
<input type="checkbox"/>	1-1/2"	36"	8.145	10.882	15.363	19.204
<input type="checkbox"/>	1-1/2"	48"	10.860	14.510	20.484	25.605
<input type="checkbox"/>	1-1/2"	60"	13.575	18.137	25.605	32.007
<input type="checkbox"/>	1-1/2"	72"	16.290	21.764	30.726	38.408
<input type="checkbox"/>	2"	1"	0.304	0.418	0.620	0.752
<input type="checkbox"/>	2"	1-1/2"	0.456	0.627	0.929	1.127
<input type="checkbox"/>	2"	2"	0.608	0.836	1.239	1.503
<input type="checkbox"/>	2"	2-1/2"	0.760	1.045	1.549	1.879
<input type="checkbox"/>	2"	3"	0.912	1.254	1.859	2.255
<input type="checkbox"/>	2"	3-1/2"	1.064	1.463	2.169	2.631
<input type="checkbox"/>	2"	4"	1.216	1.672	2.479	3.006
<input type="checkbox"/>	2"	5"	1.520	2.090	3.098	3.758
<input type="checkbox"/>	2"	6"	1.825	2.508	3.718	4.510
<input type="checkbox"/>	2"	7"	2.129	2.926	4.338	5.261
<input type="checkbox"/>	2"	8"	2.433	3.345	4.957	6.013
<input type="checkbox"/>	2"	10"	3.041	4.181	6.197	7.516

Project Name: _____

Job #: _____

SELECT	SIZE 1 (A)	SIZE 2 (B)	APPROX WEIGHT			
			SCH 40S / STD □	SCH 80S / XH □	SCH 160S □	SCH XXH □
<input type="checkbox"/>	2"	12"	3.649	5.017	7.436	9.019
<input type="checkbox"/>	2"	14"	4.257	5.853	8.675	10.523
<input type="checkbox"/>	2"	16"	4.865	6.689	9.915	12.026
<input type="checkbox"/>	2"	18"	5.474	7.525	11.154	13.529
<input type="checkbox"/>	2"	20"	6.082	8.361	12.393	15.032
<input type="checkbox"/>	2"	24"	7.298	10.034	14.872	18.039
<input type="checkbox"/>	2"	30"	9.123	12.542	18.590	22.549
<input type="checkbox"/>	2"	36"	10.947	15.050	22.308	27.058
<input type="checkbox"/>	2"	48"	14.596	20.067	29.744	36.078
<input type="checkbox"/>	2"	60"	18.246	25.084	37.180	45.097
<input type="checkbox"/>	2"	72"	21.895	30.101	44.616	54.117
<input type="checkbox"/>	2-1/2"	1"	0.482	0.638	0.834	1.140
<input type="checkbox"/>	2-1/2"	1-1/2"	0.723	0.957	1.250	1.710
<input type="checkbox"/>	2-1/2"	2"	0.964	1.276	1.667	2.280
<input type="checkbox"/>	2-1/2"	2-1/2"	1.206	1.594	2.084	2.850
<input type="checkbox"/>	2-1/2"	3"	1.447	1.913	2.501	3.420
<input type="checkbox"/>	2-1/2"	3-1/2"	1.688	2.232	2.917	3.990
<input type="checkbox"/>	2-1/2"	4"	1.929	2.551	3.334	4.560
<input type="checkbox"/>	2-1/2"	5"	2.411	3.189	4.168	5.700
<input type="checkbox"/>	2-1/2"	6"	2.893	3.827	5.001	6.840
<input type="checkbox"/>	2-1/2"	7"	3.376	4.464	5.835	7.980
<input type="checkbox"/>	2-1/2"	8"	3.858	5.102	6.668	9.120
<input type="checkbox"/>	2-1/2"	10"	4.822	6.378	8.335	11.401
<input type="checkbox"/>	2-1/2"	12"	5.787	7.653	10.002	13.681
<input type="checkbox"/>	2-1/2"	14"	6.751	8.929	11.669	15.961
<input type="checkbox"/>	2-1/2"	16"	7.716	10.204	13.336	18.241
<input type="checkbox"/>	2-1/2"	18"	8.680	11.480	15.003	20.521
<input type="checkbox"/>	2-1/2"	20"	9.645	12.755	16.670	22.801
<input type="checkbox"/>	2-1/2"	24"	11.574	15.306	20.004	27.361
<input type="checkbox"/>	2-1/2"	30"	14.467	19.133	25.005	34.202
<input type="checkbox"/>	2-1/2"	36"	17.361	22.959	30.006	41.042
<input type="checkbox"/>	2-1/2"	48"	23.148	30.612	40.008	54.722
<input type="checkbox"/>	2-1/2"	60"	28.935	38.265	50.010	68.403
<input type="checkbox"/>	2-1/2"	72"	34.722	45.918	60.012	82.084
<input type="checkbox"/>	3"	1"	0.631	0.854	1.192	1.547
<input type="checkbox"/>	3"	1-1/2"	0.946	1.280	1.789	2.320
<input type="checkbox"/>	3"	2"	1.261	1.707	2.385	3.094
<input type="checkbox"/>	3"	2-1/2"	1.577	2.134	2.981	3.867
<input type="checkbox"/>	3"	3"	1.892	2.561	3.577	4.641
<input type="checkbox"/>	3"	3-1/2"	2.207	2.987	4.173	5.414
<input type="checkbox"/>	3"	4"	2.523	3.414	4.770	6.188
<input type="checkbox"/>	3"	5"	3.153	4.268	5.962	7.735
<input type="checkbox"/>	3"	6"	3.784	5.121	7.154	9.282

Project Name: _____
 Job #: _____

SELECT	SIZE 1 (A)	SIZE 2 (B)	APPROX WEIGHT			
			SCH 40S / STD □	SCH 80S / XH □	SCH 160S □	SCH XXH □
<input type="checkbox"/>	3"	7"	4.415	5.975	8.347	10.829
<input type="checkbox"/>	3"	8"	5.045	6.828	9.539	12.376
<input type="checkbox"/>	3"	10"	6.307	8.535	11.924	15.470
<input type="checkbox"/>	3"	12"	7.568	10.242	14.309	18.564
<input type="checkbox"/>	3"	14"	8.829	11.949	16.693	21.658
<input type="checkbox"/>	3"	16"	10.091	13.656	19.078	24.752
<input type="checkbox"/>	3"	18"	11.352	15.363	21.463	27.846
<input type="checkbox"/>	3"	20"	12.613	17.070	23.848	30.940
<input type="checkbox"/>	3"	24"	15.136	20.484	28.617	37.128
<input type="checkbox"/>	3"	30"	18.920	25.605	35.771	46.409
<input type="checkbox"/>	3"	36"	22.704	30.726	42.926	55.691
<input type="checkbox"/>	3"	48"	30.272	40.968	57.234	74.255
<input type="checkbox"/>	3"	60"	37.839	51.210	71.543	92.819
<input type="checkbox"/>	3"	72"	45.407	61.453	85.852	111.383
<input type="checkbox"/>	3-1/2"	1"	0.758	1.041	1.489	1.902
<input type="checkbox"/>	3-1/2"	1-1/2"	1.137	1.561	2.233	2.853
<input type="checkbox"/>	3-1/2"	2"	1.517	2.082	2.977	3.804
<input type="checkbox"/>	3-1/2"	2-1/2"	1.896	2.602	3.722	4.755
<input type="checkbox"/>	3-1/2"	3"	2.275	3.123	4.466	5.707
<input type="checkbox"/>	3-1/2"	3-1/2"	2.654	3.643	5.210	6.658
<input type="checkbox"/>	3-1/2"	4"	3.033	4.164	5.955	7.609
<input type="checkbox"/>	3-1/2"	5"	3.792	5.205	7.443	9.511
<input type="checkbox"/>	3-1/2"	6"	4.550	6.246	8.932	11.413
<input type="checkbox"/>	3-1/2"	7"	5.308	7.287	10.420	13.315
<input type="checkbox"/>	3-1/2"	8"	6.066	8.328	11.909	15.217
<input type="checkbox"/>	3-1/2"	10"	7.583	10.410	14.886	19.022
<input type="checkbox"/>	3-1/2"	12"	9.100	12.492	17.864	22.826
<input type="checkbox"/>	3-1/2"	14"	10.616	14.574	20.841	26.630
<input type="checkbox"/>	3-1/2"	16"	12.133	16.656	23.818	30.435
<input type="checkbox"/>	3-1/2"	18"	13.650	18.738	26.795	34.239
<input type="checkbox"/>	3-1/2"	20"	15.166	20.820	29.773	38.043
<input type="checkbox"/>	3-1/2"	24"	18.199	24.984	35.727	45.652
<input type="checkbox"/>	3-1/2"	30"	22.749	31.230	44.659	57.065
<input type="checkbox"/>	3-1/2"	36"	27.299	37.476	53.591	68.478
<input type="checkbox"/>	3-1/2"	48"	36.399	49.968	71.455	91.304
<input type="checkbox"/>	3-1/2"	60"	45.499	62.459	89.318	114.130
<input type="checkbox"/>	3-1/2"	72"	54.598	74.951	107.182	136.956
<input type="checkbox"/>	4"	1"	0.898	1.247	1.874	2.293
<input type="checkbox"/>	4"	1-1/2"	1.347	1.871	2.811	3.439
<input type="checkbox"/>	4"	2"	1.797	2.495	3.748	4.585
<input type="checkbox"/>	4"	2-1/2"	2.246	3.118	4.684	5.732
<input type="checkbox"/>	4"	3"	2.695	3.742	5.621	6.878
<input type="checkbox"/>	4"	3-1/2"	3.144	4.366	6.558	8.024

Project Name: _____

Job #: _____

SELECT	SIZE 1 (A)	SIZE 2 (B)	APPROX WEIGHT			
			SCH 40S / STD □	SCH 80S / XH □	SCH 160S □	SCH XXH □
<input type="checkbox"/>	4"	4"	3.593	4.989	7.495	9.171
<input type="checkbox"/>	4"	5"	4.491	6.237	9.369	11.463
<input type="checkbox"/>	4"	6"	5.390	7.484	11.243	13.756
<input type="checkbox"/>	4"	7"	6.288	8.731	13.116	16.049
<input type="checkbox"/>	4"	8"	7.186	9.978	14.990	18.341
<input type="checkbox"/>	4"	10"	8.983	12.473	18.738	22.927
<input type="checkbox"/>	4"	12"	10.779	14.968	22.485	27.512
<input type="checkbox"/>	4"	14"	12.576	17.462	26.233	32.097
<input type="checkbox"/>	4"	16"	14.372	19.957	29.980	36.683
<input type="checkbox"/>	4"	18"	16.169	22.451	33.728	41.268
<input type="checkbox"/>	4"	20"	17.965	24.946	37.475	45.853
<input type="checkbox"/>	4"	24"	21.558	29.935	44.970	55.024
<input type="checkbox"/>	4"	30"	26.948	37.419	56.213	68.780
<input type="checkbox"/>	4"	36"	32.337	44.903	67.455	82.536
<input type="checkbox"/>	4"	48"	43.116	59.871	89.940	110.048
<input type="checkbox"/>	4"	60"	53.895	74.838	112.425	137.560
<input type="checkbox"/>	4"	72"	64.674	89.806	134.910	165.072
<input type="checkbox"/>	5"	1"	1.217	1.730	2.744	3.209
<input type="checkbox"/>	5"	1-1/2"	1.825	2.595	4.116	4.814
<input type="checkbox"/>	5"	2"	2.434	3.459	5.488	6.419
<input type="checkbox"/>	5"	2-1/2"	3.042	4.324	6.860	8.023
<input type="checkbox"/>	5"	3"	3.651	5.189	8.232	9.628
<input type="checkbox"/>	5"	3-1/2"	4.259	6.054	9.604	11.233
<input type="checkbox"/>	5"	4"	4.867	6.919	10.976	12.837
<input type="checkbox"/>	5"	5"	6.084	8.648	13.719	16.047
<input type="checkbox"/>	5"	6"	7.301	10.378	16.463	19.256
<input type="checkbox"/>	5"	7"	8.518	12.108	19.207	22.465
<input type="checkbox"/>	5"	8"	9.735	13.837	21.951	25.675
<input type="checkbox"/>	5"	10"	12.169	17.297	27.439	32.093
<input type="checkbox"/>	5"	12"	14.602	20.756	32.927	38.512
<input type="checkbox"/>	5"	14"	17.036	24.216	38.415	44.931
<input type="checkbox"/>	5"	16"	19.470	27.675	43.902	51.349
<input type="checkbox"/>	5"	18"	21.904	31.134	49.390	57.768
<input type="checkbox"/>	5"	20"	24.337	34.594	54.878	64.186
<input type="checkbox"/>	5"	24"	29.205	41.512	65.853	77.024
<input type="checkbox"/>	5"	30"	36.506	51.891	82.317	96.280
<input type="checkbox"/>	5"	36"	43.807	62.269	98.780	115.536
<input type="checkbox"/>	5"	48"	58.409	83.025	131.707	154.048
<input type="checkbox"/>	5"	60"	73.012	103.781	164.634	192.559
<input type="checkbox"/>	5"	72"	87.614	124.537	197.560	231.071
<input type="checkbox"/>	6"	1"	1.580	2.379	3.771	4.425
<input type="checkbox"/>	6"	1-1/2"	2.369	3.568	5.656	6.638
<input type="checkbox"/>	6"	2"	3.159	4.757	7.541	8.851

Project Name: _____
 Job #: _____

SELECT	SIZE 1 (A)	SIZE 2 (B)	APPROX WEIGHT			
			SCH 40S / STD □	SCH 80S / XH □	SCH 160S □	SCH XXH □
<input type="checkbox"/>	6"	2-1/2"	3.949	5.946	9.427	11.063
<input type="checkbox"/>	6"	3"	4.739	7.136	11.312	13.276
<input type="checkbox"/>	6"	3-1/2"	5.528	8.325	13.198	15.489
<input type="checkbox"/>	6"	4"	6.318	9.514	15.083	17.701
<input type="checkbox"/>	6"	5"	7.898	11.893	18.854	22.127
<input type="checkbox"/>	6"	6"	9.477	14.272	22.624	26.552
<input type="checkbox"/>	6"	7"	11.057	16.650	26.395	30.977
<input type="checkbox"/>	6"	8"	12.636	19.029	30.166	35.403
<input type="checkbox"/>	6"	10"	15.795	23.786	37.707	44.254
<input type="checkbox"/>	6"	12"	18.954	28.543	45.249	53.104
<input type="checkbox"/>	6"	14"	22.113	33.300	52.790	61.955
<input type="checkbox"/>	6"	16"	25.272	38.058	60.332	70.806
<input type="checkbox"/>	6"	18"	28.431	42.815	67.873	79.656
<input type="checkbox"/>	6"	20"	31.590	47.572	75.415	88.507
<input type="checkbox"/>	6"	24"	37.909	57.086	90.498	106.208
<input type="checkbox"/>	6"	30"	47.386	71.358	113.122	132.761
<input type="checkbox"/>	6"	36"	56.863	85.630	135.747	159.313
<input type="checkbox"/>	6"	48"	75.817	114.173	180.996	212.417
<input type="checkbox"/>	6"	60"	94.771	142.716	226.245	265.521
<input type="checkbox"/>	6"	72"	113.726	171.259	271.494	318.625
<input type="checkbox"/>	8"	1"	2.377	3.612	6.218	5.251
<input type="checkbox"/>	8"	1-1/2"	3.565	5.418	9.326	7.877
<input type="checkbox"/>	8"	2"	4.754	7.224	12.435	10.502
<input type="checkbox"/>	8"	2-1/2"	5.942	9.030	15.544	13.128
<input type="checkbox"/>	8"	3"	7.131	10.836	18.653	15.753
<input type="checkbox"/>	8"	3-1/2"	8.319	12.641	21.762	18.379
<input type="checkbox"/>	8"	4"	9.508	14.447	24.871	21.004
<input type="checkbox"/>	8"	5"	11.885	18.059	31.088	26.255
<input type="checkbox"/>	8"	6"	14.262	21.671	37.306	31.506
<input type="checkbox"/>	8"	7"	16.639	25.283	43.523	36.758
<input type="checkbox"/>	8"	8"	19.016	28.895	49.741	42.009
<input type="checkbox"/>	8"	10"	23.770	36.118	62.176	52.511
<input type="checkbox"/>	8"	12"	28.524	43.342	74.612	63.013
<input type="checkbox"/>	8"	14"	33.278	50.566	87.047	73.515
<input type="checkbox"/>	8"	16"	38.032	57.790	99.482	84.017
<input type="checkbox"/>	8"	18"	42.786	65.013	111.918	94.519
<input type="checkbox"/>	8"	20"	47.540	72.237	124.353	105.021
<input type="checkbox"/>	8"	24"	57.048	86.684	149.223	126.026
<input type="checkbox"/>	8"	30"	71.310	108.355	186.529	157.532
<input type="checkbox"/>	8"	36"	85.572	130.027	223.835	189.039
<input type="checkbox"/>	8"	48"	114.095	173.369	298.447	252.052
<input type="checkbox"/>	8"	60"	142.619	216.711	373.058	315.064
<input type="checkbox"/>	8"	72"	171.143	260.053	447.670	378.077

Project Name: _____

Job #: _____

SELECT	SIZE 1 (A)	SIZE 2 (B)	APPROX WEIGHT			
			SCH 40S / STD □	SCH 80S / XH □	SCH 160S □	SCH XXH □
<input type="checkbox"/>	10"	1"	3.370	4.556	9.627	4.556
<input type="checkbox"/>	10"	1-1/2"	5.055	6.835	14.440	6.835
<input type="checkbox"/>	10"	2"	6.740	9.113	19.254	9.113
<input type="checkbox"/>	10"	2-1/2"	8.425	11.391	24.067	11.391
<input type="checkbox"/>	10"	3"	10.110	13.669	28.881	13.669
<input type="checkbox"/>	10"	3-1/2"	11.795	15.948	33.694	15.948
<input type="checkbox"/>	10"	4"	13.480	18.226	38.508	18.226
<input type="checkbox"/>	10"	5"	16.850	22.782	48.135	22.782
<input type="checkbox"/>	10"	6"	20.220	27.339	57.762	27.339
<input type="checkbox"/>	10"	7"	23.590	31.895	67.389	31.895
<input type="checkbox"/>	10"	8"	26.960	36.452	77.016	36.452
<input type="checkbox"/>	10"	10"	33.700	45.565	96.270	45.565
<input type="checkbox"/>	10"	12"	40.441	54.678	115.524	54.678
<input type="checkbox"/>	10"	14"	47.181	63.791	134.778	63.791
<input type="checkbox"/>	10"	16"	53.921	72.904	154.032	72.904
<input type="checkbox"/>	10"	18"	60.661	82.017	173.285	82.017
<input type="checkbox"/>	10"	20"	67.401	91.130	192.539	91.130
<input type="checkbox"/>	10"	24"	80.881	109.356	231.047	109.356
<input type="checkbox"/>	10"	30"	101.101	136.695	288.809	136.695
<input type="checkbox"/>	10"	36"	121.322	164.034	346.571	164.034
<input type="checkbox"/>	10"	48"	161.762	218.711	462.095	218.711
<input type="checkbox"/>	10"	60"	202.203	273.389	577.618	273.389
<input type="checkbox"/>	10"	72"	242.643	328.067	693.142	328.067
<input type="checkbox"/>	12"	1"	4.126	5.446	13.342	5.446
<input type="checkbox"/>	12"	1-1/2"	6.189	8.168	20.013	8.168
<input type="checkbox"/>	12"	2"	8.252	10.891	26.684	10.891
<input type="checkbox"/>	12"	2-1/2"	10.315	13.614	33.355	13.614
<input type="checkbox"/>	12"	3"	12.378	16.337	40.026	16.337
<input type="checkbox"/>	12"	3-1/2"	14.440	19.059	46.697	19.059
<input type="checkbox"/>	12"	4"	16.503	21.782	53.368	21.782
<input type="checkbox"/>	12"	5"	20.629	27.228	66.710	27.228
<input type="checkbox"/>	12"	6"	24.755	32.673	80.052	32.673
<input type="checkbox"/>	12"	7"	28.881	38.119	93.394	38.119
<input type="checkbox"/>	12"	8"	33.007	43.564	106.736	43.564
<input type="checkbox"/>	12"	10"	41.258	54.456	133.420	54.456
<input type="checkbox"/>	12"	12"	49.510	65.347	160.104	65.347
<input type="checkbox"/>	12"	14"	57.762	76.238	186.788	76.238
<input type="checkbox"/>	12"	16"	66.014	87.129	213.472	87.129
<input type="checkbox"/>	12"	18"	74.265	98.020	240.156	98.020
<input type="checkbox"/>	12"	20"	82.517	108.911	266.840	108.911
<input type="checkbox"/>	12"	24"	99.020	130.693	320.207	130.693
<input type="checkbox"/>	12"	30"	123.775	163.367	400.259	163.367
<input type="checkbox"/>	12"	36"	148.530	196.040	480.311	196.040

Project Name: _____

Job #: _____

SELECT	SIZE 1 (A)	SIZE 2 (B)	APPROX WEIGHT			
			SCH 40S / STD □	SCH 80S / XH □	SCH 160S □	SCH XXH □
<input type="checkbox"/>	12"	48"	198.041	261.387	640.415	261.387
<input type="checkbox"/>	12"	60"	247.551	326.733	800.519	326.733
<input type="checkbox"/>	12"	72"	297.061	392.080	960.622	392.080
<input type="checkbox"/>	14"	1"	4.543	6.001	9.861	6.001
<input type="checkbox"/>	14"	1-1/2"	6.814	9.002	14.791	9.002
<input type="checkbox"/>	14"	2"	9.085	12.002	19.722	12.002
<input type="checkbox"/>	14"	2-1/2"	11.356	15.003	24.652	15.003
<input type="checkbox"/>	14"	3"	13.628	18.004	29.583	18.004
<input type="checkbox"/>	14"	3-1/2"	15.899	21.004	34.513	21.004
<input type="checkbox"/>	14"	4"	18.170	24.005	39.444	24.005
<input type="checkbox"/>	14"	5"	22.713	30.006	49.305	30.006
<input type="checkbox"/>	14"	6"	27.256	36.007	59.166	36.007
<input type="checkbox"/>	14"	7"	31.798	42.009	69.027	42.009
<input type="checkbox"/>	14"	8"	36.341	48.010	78.888	48.010
<input type="checkbox"/>	14"	10"	45.426	60.012	98.610	60.012
<input type="checkbox"/>	14"	12"	54.511	72.015	118.332	72.015
<input type="checkbox"/>	14"	14"	63.596	84.017	138.054	84.017
<input type="checkbox"/>	14"	16"	72.682	96.020	157.776	96.020
<input type="checkbox"/>	14"	18"	81.767	108.022	177.498	108.022
<input type="checkbox"/>	14"	20"	90.852	120.025	197.220	120.025
<input type="checkbox"/>	14"	24"	109.022	144.029	236.664	144.029
<input type="checkbox"/>	14"	30"	136.278	180.037	295.830	180.037
<input type="checkbox"/>	14"	36"	163.533	216.044	354.996	216.044
<input type="checkbox"/>	14"	48"	218.045	288.059	473.328	288.059
<input type="checkbox"/>	14"	60"	272.556	360.074	591.660	360.074
<input type="checkbox"/>	14"	72"	327.067	432.088	709.992	432.088
<input type="checkbox"/>	16"	1"	5.209	6.890	11.360	6.890
<input type="checkbox"/>	16"	1-1/2"	7.814	10.335	17.040	10.335
<input type="checkbox"/>	16"	2"	10.419	13.781	22.720	13.781
<input type="checkbox"/>	16"	2-1/2"	13.023	17.226	28.400	17.226
<input type="checkbox"/>	16"	3"	15.628	20.671	34.080	20.671
<input type="checkbox"/>	16"	3-1/2"	18.233	24.116	39.760	24.116
<input type="checkbox"/>	16"	4"	20.838	27.561	45.440	27.561
<input type="checkbox"/>	16"	5"	26.047	34.451	56.800	34.451
<input type="checkbox"/>	16"	6"	31.256	41.342	68.160	41.342
<input type="checkbox"/>	16"	7"	36.466	48.232	79.520	48.232
<input type="checkbox"/>	16"	8"	41.675	55.122	90.880	55.122
<input type="checkbox"/>	16"	10"	52.094	68.903	113.600	68.903
<input type="checkbox"/>	16"	12"	62.513	82.684	136.320	82.684
<input type="checkbox"/>	16"	14"	72.932	96.464	159.040	96.464
<input type="checkbox"/>	16"	16"	83.350	110.245	181.759	110.245
<input type="checkbox"/>	16"	18"	93.769	124.025	204.479	124.025
<input type="checkbox"/>	16"	20"	104.188	137.806	227.199	137.806

Project Name: _____

Job #: _____

SELECT	SIZE 1 (A)	SIZE 2 (B)	APPROX WEIGHT			
			SCH 40S / STD □	SCH 80S / XH □	SCH 160S □	SCH XXH □
<input type="checkbox"/>	16"	24"	125.026	165.367	272.639	165.367
<input type="checkbox"/>	16"	30"	156.282	206.709	340.799	206.709
<input type="checkbox"/>	16"	36"	187.538	248.051	408.959	248.051
<input type="checkbox"/>	16"	48"	250.051	330.734	545.278	330.734
<input type="checkbox"/>	16"	60"	312.564	413.418	681.598	413.418
<input type="checkbox"/>	16"	72"	375.077	496.101	817.918	496.101
<input type="checkbox"/>	18"	1"	5.876	7.779	14.214	7.779
<input type="checkbox"/>	18"	1-1/2"	8.814	11.669	21.322	11.669
<input type="checkbox"/>	18"	2"	11.752	15.559	28.429	15.559
<input type="checkbox"/>	18"	2-1/2"	14.691	19.448	35.536	19.448
<input type="checkbox"/>	18"	3"	17.629	23.338	42.643	23.338
<input type="checkbox"/>	18"	3-1/2"	20.567	27.228	49.751	27.228
<input type="checkbox"/>	18"	4"	23.505	31.117	56.858	31.117
<input type="checkbox"/>	18"	5"	29.381	38.897	71.072	38.897
<input type="checkbox"/>	18"	6"	35.257	46.676	85.287	46.676
<input type="checkbox"/>	18"	7"	41.133	54.456	99.501	54.456
<input type="checkbox"/>	18"	8"	47.010	62.235	113.716	62.235
<input type="checkbox"/>	18"	10"	58.762	77.794	142.145	77.794
<input type="checkbox"/>	18"	12"	70.514	93.352	170.574	93.352
<input type="checkbox"/>	18"	14"	82.267	108.911	199.003	108.911
<input type="checkbox"/>	18"	16"	94.019	124.470	227.432	124.470
<input type="checkbox"/>	18"	18"	105.772	140.029	255.861	140.029
<input type="checkbox"/>	18"	20"	117.524	155.587	284.290	155.587
<input type="checkbox"/>	18"	24"	141.029	186.705	341.148	186.705
<input type="checkbox"/>	18"	30"	176.286	233.381	426.435	233.381
<input type="checkbox"/>	18"	36"	211.543	280.057	511.722	280.057
<input type="checkbox"/>	18"	48"	282.058	373.410	682.296	373.410
<input type="checkbox"/>	18"	60"	352.572	466.762	852.869	466.762
<input type="checkbox"/>	18"	72"	423.087	560.115	1023.443	560.115
<input type="checkbox"/>	20"	1"	6.543	8.668	16.892	8.668
<input type="checkbox"/>	20"	1-1/2"	9.815	13.003	25.339	13.003
<input type="checkbox"/>	20"	2"	13.086	17.337	33.785	17.337
<input type="checkbox"/>	20"	2-1/2"	16.358	21.671	42.231	21.671
<input type="checkbox"/>	20"	3"	19.629	26.005	50.677	26.005
<input type="checkbox"/>	20"	3-1/2"	22.901	30.340	59.123	30.340
<input type="checkbox"/>	20"	4"	26.172	34.674	67.569	34.674
<input type="checkbox"/>	20"	5"	32.715	43.342	84.462	43.342
<input type="checkbox"/>	20"	6"	39.258	52.011	101.354	52.011
<input type="checkbox"/>	20"	7"	45.801	60.679	118.246	60.679
<input type="checkbox"/>	20"	8"	52.344	69.348	135.139	69.348
<input type="checkbox"/>	20"	10"	65.430	86.684	168.923	86.684
<input type="checkbox"/>	20"	12"	78.516	104.021	202.708	104.021
<input type="checkbox"/>	20"	14"	91.602	121.358	236.493	121.358

Project Name: _____

Job #: _____

SELECT	SIZE 1 (A)	SIZE 2 (B)	APPROX WEIGHT			
			SCH 40S / STD □	SCH 80S / XH □	SCH 160S □	SCH XXH □
<input type="checkbox"/>	20"	16"	104.688	138.695	270.277	138.695
<input type="checkbox"/>	20"	18"	117.774	156.032	304.062	156.032
<input type="checkbox"/>	20"	20"	130.860	173.369	337.847	173.369
<input type="checkbox"/>	20"	24"	157.032	208.043	405.416	208.043
<input type="checkbox"/>	20"	30"	196.290	260.053	506.770	260.053
<input type="checkbox"/>	20"	36"	235.548	312.064	608.124	312.064
<input type="checkbox"/>	20"	48"	314.064	416.085	810.832	416.085
<input type="checkbox"/>	20"	60"	392.580	520.106	1013.541	520.106
<input type="checkbox"/>	20"	72"	471.096	624.128	1216.249	624.128
<input type="checkbox"/>	24"	1"	7.877	10.447	22.880	10.447
<input type="checkbox"/>	24"	1-1/2"	11.815	15.670	34.320	15.670
<input type="checkbox"/>	24"	2"	15.753	20.893	45.759	20.893
<input type="checkbox"/>	24"	2-1/2"	19.692	26.116	57.199	26.116
<input type="checkbox"/>	24"	3"	23.630	31.340	68.639	31.340
<input type="checkbox"/>	24"	3-1/2"	27.568	36.563	80.079	36.563
<input type="checkbox"/>	24"	4"	31.506	41.786	91.519	41.786
<input type="checkbox"/>	24"	5"	39.383	52.233	114.398	52.233
<input type="checkbox"/>	24"	6"	47.260	62.679	137.278	62.679
<input type="checkbox"/>	24"	7"	55.136	73.126	160.158	73.126
<input type="checkbox"/>	24"	8"	63.013	83.573	183.037	83.573
<input type="checkbox"/>	24"	10"	78.766	104.466	228.797	104.466
<input type="checkbox"/>	24"	12"	94.519	125.359	274.556	125.359
<input type="checkbox"/>	24"	14"	110.273	146.252	320.316	146.252
<input type="checkbox"/>	24"	16"	126.026	167.145	366.075	167.145
<input type="checkbox"/>	24"	18"	141.779	188.038	411.834	188.038
<input type="checkbox"/>	24"	20"	157.532	208.932	457.594	208.932
<input type="checkbox"/>	24"	24"	189.039	250.718	549.112	250.718
<input type="checkbox"/>	24"	30"	236.298	313.397	686.390	313.397
<input type="checkbox"/>	24"	36"	283.558	376.077	823.668	376.077
<input type="checkbox"/>	24"	48"	378.077	501.436	1098.225	501.436
<input type="checkbox"/>	24"	60"	472.597	626.795	1372.781	626.795
<input type="checkbox"/>	24"	72"	567.116	752.154	1647.337	752.154