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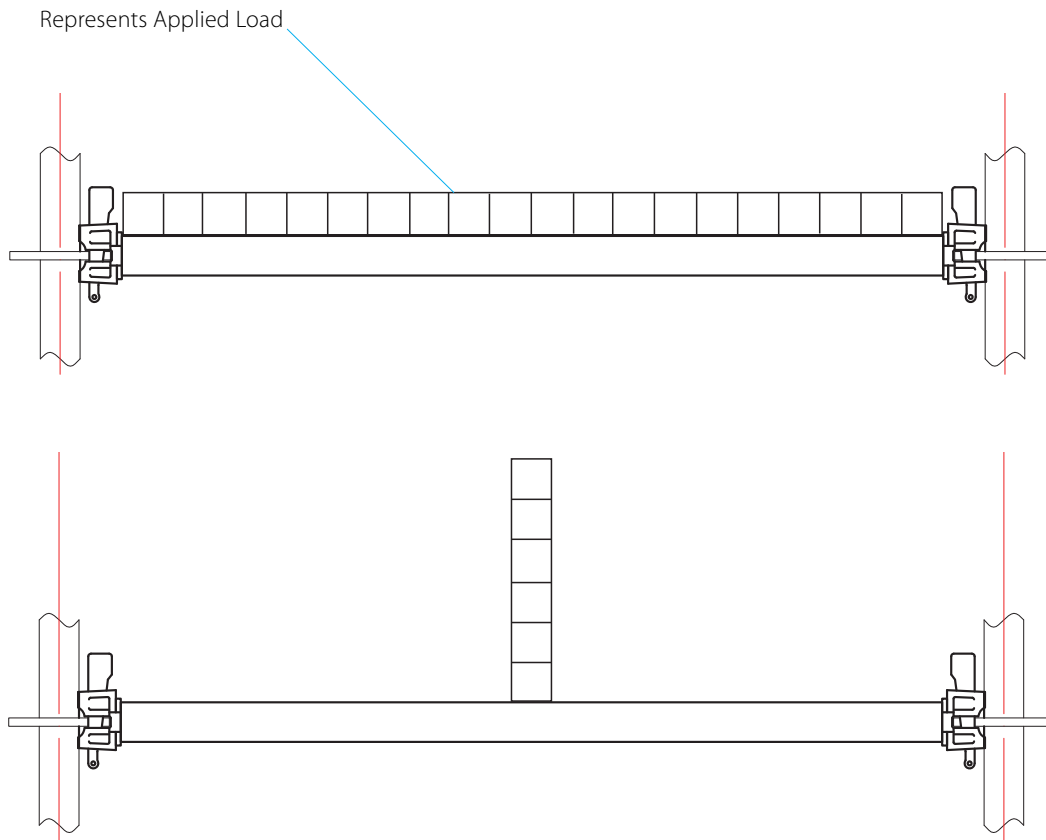
## ENGINEERING INFORMATION

## SYSTEM SCAFFOLDING MATERIAL SPECIFICATIONS

	item	material	pipe OD and tol.	wt and tol	min yield strength
1	standard	high strength low-alloy steel (Q345)	48.6 +/-0.3MM	3.2 +/-0.20MM	50,000PSI
2	ledger	high strength low-alloy steel (Q345)	48.6 +/-0.3MM	3.2 +/-0.20MM	50,000PSI
3	baybrace	high strength low-alloy steel (Q345)	48.6 +/-0.3MM	3.2 +/-0.20MM	50,000PSI
4	base collar (part a)	high strength low-alloy steel (Q345)	48.6 +/-0.3MM	3.2 +/-0.20MM	50,000PSI
5	base collar (part b)	normal carbon steel (Q235)	60.0 +/-0.4MM	4.5 +/-0.30MM	34,000PSI
6	truss ledger	high strength low-alloy steel (Q345)	48.6 +/-0.3MM	3.2 +/-0.20MM	50,000PSI
7	double truss ledger	high strength low-alloy steel (Q345)	48.6 +/-0.3MM	3.2 +/-0.20MM	50,000PSI
8	side bracket	high strength low-alloy steel (Q345)	48.6 +/-0.3MM	3.2 +/-0.20MM	50,000PSI
9	ledger mouth piece	cast steel			34,000PSI
10	baybrace end piece	cast steel			34,000PSI
11	wedge	normal carbon steel (Q235)			34,000PSI
12	rosette	high strength low-alloy (Q345)			50,000PSI

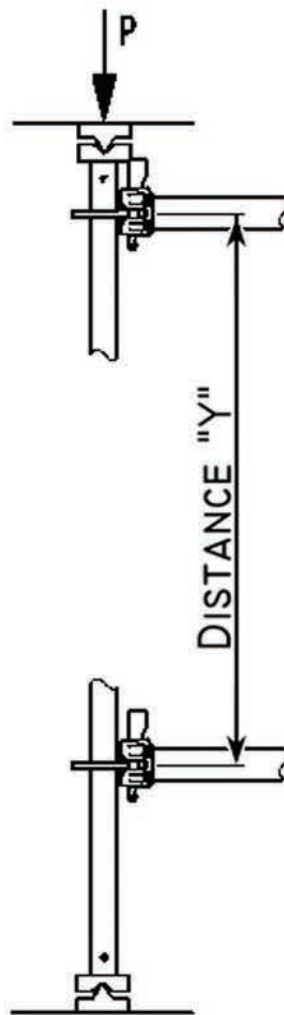
## LEDGERS

Size		Uniformly Distributed		Concentrated	
Feet	Meters	kN/m	Lb/ft	kN	Lb
2' 2"	0.65	23.43	1785	7.82	1759
2' 10"	0.88	13.34	1016	5.9	1326
3' 6"	1.067	8.17	664	4.77	1072
3' 10"	1.15	7.27	554	4.35	978
4'	1.22	6.68	509	4.17	938
5'	1.52	4.27	325	3.34	751
5' 2"	1.57	4	305	3.23	726
7'	2.13	2.18	166	2.39	536
8'	2.44	1.66	127	2.09	469
10'	3.05	1.06	81	1.67	375



## STANDARDS

Distance "Y"		Capacity	
Feet	Meters	kN	Lb/ft
6' 6"	2.0	22.24	5,000
(MOST TYPICAL)			
4' 11"	1.5	33.36	7,500
3' 3"	1.0	40.03	9,000
9' 10"	3.0	11.12	2,500



## BAY BRACE

Bay Width		Tension		Compression	
Inches	Meters	kN	Lb	kN	Lb
26	0.65	6.45	1450	9.97	2242
46	1.15	6.45	1450	8.48	1907
48	1.22	6.45	1450	8.28	1854
60	1.52	6.45	1450	7.21	1620
62	1.57	6.45	1450	7.05	1584
84	2.13	6.45	1450	5.36	1204
96	2.44	6.45	1450	4.6	1033
120	3.05	6.45	1450	3.42	769

