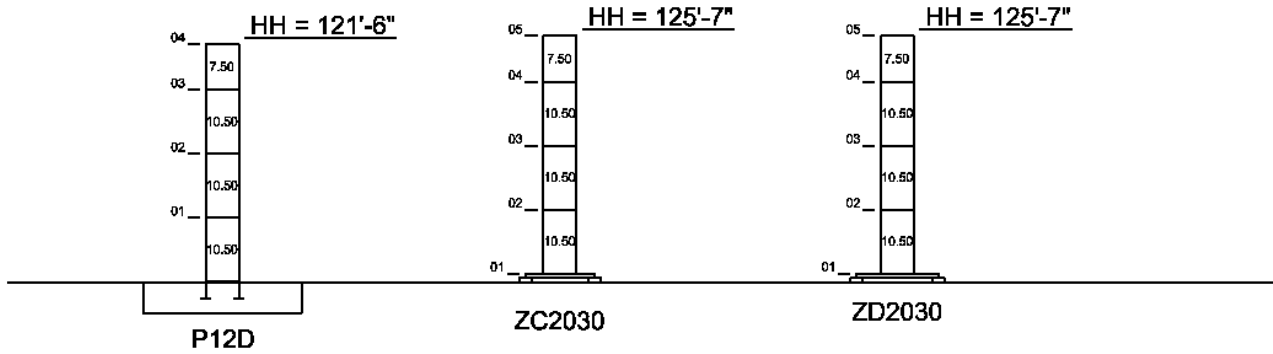
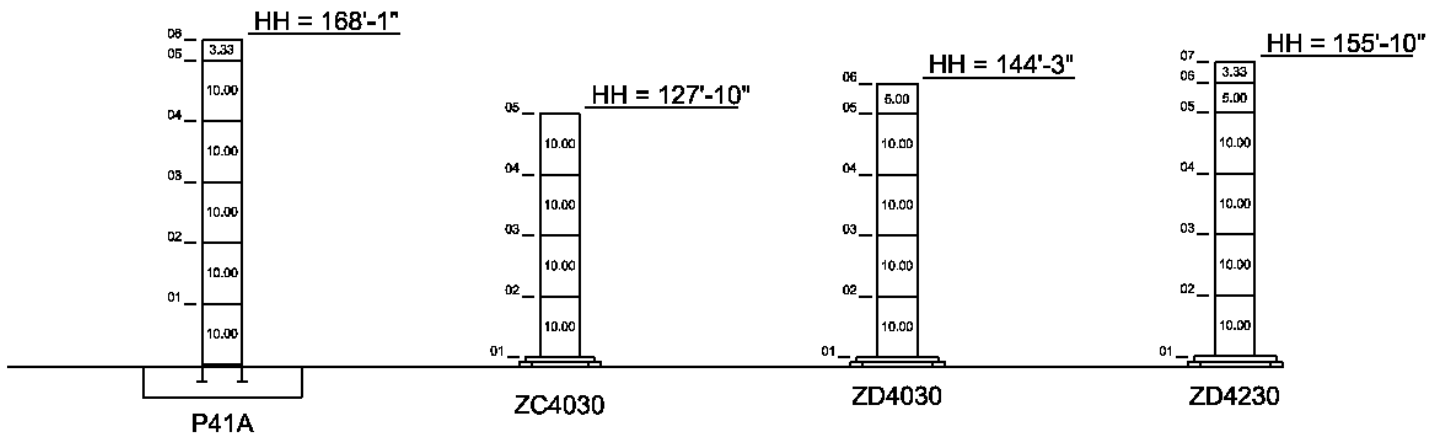


# Maximum Free-Standing Mast Heights

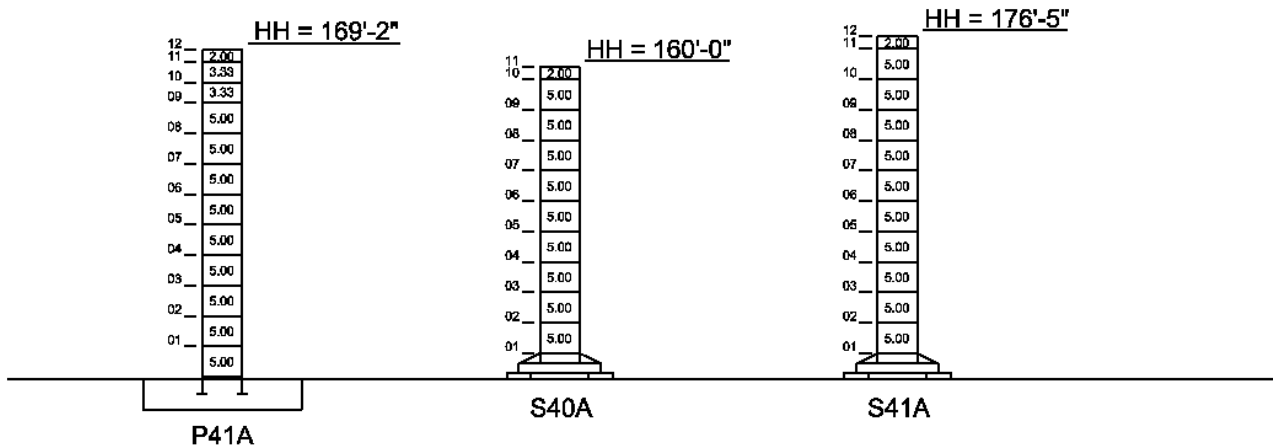
City Version  
1.2 m Mast



City Version  
1.6 m Mast



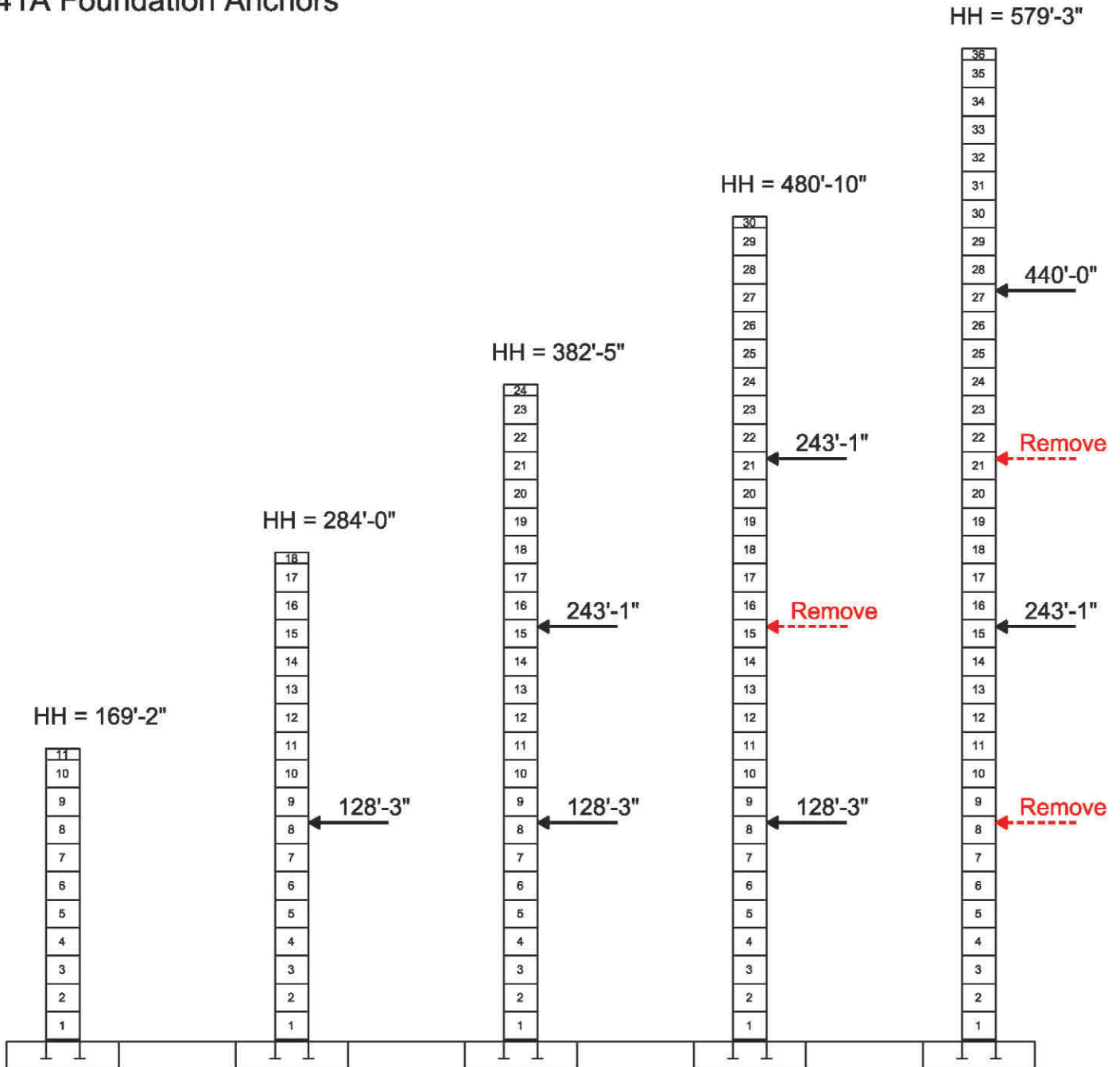
Climbable Version  
1.6 m Mast



# External Climbing

Jib Configurations: L25 thru L55 (82'-0" thru 180'-5")

P41A Foundation Anchors



# Rated Load Chart



SM-DM Trolley

## Capacity (lbs)

Hook Radius	180'-5"	164'-1"	147'-8"	131'-3"	114'-10"	98'-5"	82'-0"
20'-0"	13,228	13,228	13,228	13,228	13,228	13,228	13,228
30'-0"	13,228	13,228	13,228	13,228	13,228	13,228	13,228
40'-0"	13,228	13,228	13,228	13,228	13,228	13,228	13,228
50'-0"	12,251	13,228	13,228	13,228	13,228	13,228	13,228
60'-0"	9,858	11,292	11,940	12,171	12,356	12,769	12,770
70'-0"	8,176	9,397	9,949	10,146	10,303	10,654	10,655
80'-0"	6,928	7,992	8,472	8,643	8,781	9,086	9,087
<b>82'-0"</b>	<b>6,714</b>	<b>7,751</b>	<b>8,219</b>	<b>8,386</b>	<b>8,520</b>	<b>8,818</b>	<b>8,818</b>
90'-0"	6,103	6,908	7,333	7,485	7,607	7,877	
<b>98'-5"</b>	<b>5,448</b>	<b>6,307</b>	<b>6,614</b>	<b>6,697</b>	<b>6,808</b>	<b>7,055</b>	
100'-0"	5,338	6,184	6,568	6,614	6,674		
110'-0"	4,716	5,482	5,831	5,943	6,050		
<b>114'-10"</b>	<b>4,455</b>	<b>5,189</b>	<b>5,522</b>	<b>5,630</b>	<b>5,732</b>		
120'-0"	4,200	4,901	5,219	5,322			
130'-0"	3,764	4,410	4,704	4,799			
<b>131'-3"</b>	<b>3,715</b>	<b>4,355</b>	<b>4,646</b>	<b>4,740</b>			
140'-0"	3,392	3,992	4,264				
<b>147'-8"</b>	<b>3,143</b>	<b>3,710</b>	<b>3,968</b>				
150'-0"	3,071	3,629					
160'-0"	2,790	3,313					
<b>164'-1"</b>	<b>2,687</b>	<b>3,197</b>					
170'-0"	2,543						
180'-0"	2,324						
<b>180'-5"</b>	<b>2,315</b>						

This panel is 7.625"

Max. Load Radius							
From	10'-2"	10'-2"	10'-2"	10'-2"	10'-2"	10'-2"	10'-2"
To	46'-10"	52'-5"	55'-0"	55'-11"	56'-7"	58'-3"	58'-3"

### Notes:

1. The above load chart was calculated using the SM-DM trolley system.
2. Values above the red line can be achieved with 4-part line configuration only.
3. Deduct 140 lbs from values below the red line when using 4-part line configuration instead of 2-part.

**MDT 98-G6**



# Rated Load Chart



## 1C-2C Trolley

### 2-Part Capacity (lbs)

Hook Radius	180'-5"	164'-1"	147'-8"	131'-3"	114'-10"	98'-5"	82'-0"
20'-0"	6,614	6,614	6,614	6,614	6,614	6,614	6,614
30'-0"	6,614	6,614	6,614	6,614	6,614	6,614	6,614
40'-0"	6,614	6,614	6,614	6,614	6,614	6,614	6,614
50'-0"	6,614	6,614	6,614	6,614	6,614	6,614	6,614
60'-0"	6,614	6,614	6,614	6,614	6,614	6,614	6,614
70'-0"	6,614	6,614	6,614	6,614	6,614	6,614	6,614
80'-0"	6,614	6,614	6,614	6,614	6,614	6,614	6,614
<b>82'-0"</b>	6,614	6,614	6,614	6,614	6,614	6,614	<b>6,614</b>
90'-0"	6,491	6,614	6,614	6,614	6,614	6,614	6,614
<b>98'-5"</b>	5,826	6,614	6,614	6,614	6,614	<b>6,614</b>	6,614
100'-0"	5,715	6,551	6,614	6,614	6,614	6,614	6,614
110'-0"	5,083	5,841	6,181	6,285	6,383	6,383	6,383
<b>114'-10"</b>	4,818	5,543	5,869	5,968	<b>6,063</b>	6,063	6,063
120'-0"	4,559	5,252	5,563	5,658	5,658	5,658	5,658
130'-0"	4,117	4,756	5,042	5,130	5,130	5,130	5,130
<b>131'-3"</b>	4,067	4,700	4,984	<b>5,071</b>	5,071	5,071	5,071
140'-0"	3,739	4,332	4,597	4,597	4,597	4,597	4,597
<b>147'-8"</b>	3,486	4,047	<b>4,299</b>	4,299	4,299	4,299	4,299
150'-0"	3,413	3,965	3,965	3,965	3,965	3,965	3,965
160'-0"	3,128	3,645	3,645	3,645	3,645	3,645	3,645
<b>164'-1"</b>	3,023	<b>3,527</b>	3,527	3,527	3,527	3,527	3,527
170'-0"	2,877	2,877	2,877	2,877	2,877	2,877	2,877
180'-0"	2,655	2,655	2,655	2,655	2,655	2,655	2,655
<b>180'-5"</b>	<b>2,646</b>	2,646	2,646	2,646	2,646	2,646	2,646

### Max. Load Radius

From To	10'-2"	10'-2"	10'-2"	10'-2"	10'-2"	10'-2"	10'-2"
	88'-7"	99'-2"	103'-11"	105'-5"	106'-9"	98'-5"	82'-0"

### 4-Part Capacity (lbs)

Hook Radius	180'-5"	164'-1"	147'-8"	131'-3"	114'-10"	98'-5"	82'-0"
20'-0"	13,228	13,228	13,228	13,228	13,228	13,228	13,228
30'-0"	13,228	13,228	13,228	13,228	13,228	13,228	13,228
40'-0"	13,228	13,228	13,228	13,228	13,228	13,228	13,228
50'-0"	12,064	13,228	13,228	13,228	13,228	13,228	13,228
60'-0"	9,633	11,042	11,674	11,868	12,063	12,306	12,316
70'-0"	7,923	9,123	9,661	9,827	9,993	10,199	10,209
80'-0"	6,656	7,701	8,169	8,313	8,457	8,638	8,646
<b>82'-0"</b>	6,438	7,457	7,913	8,054	8,194	8,370	<b>8,378</b>
90'-0"	5,678	6,604	7,019	7,146	7,274	7,433	7,433
<b>98'-5"</b>	5,013	5,857	6,235	6,352	6,468	<b>6,614</b>	6,614
100'-0"	4,902	5,732	6,104	6,219	6,333	6,333	6,333
110'-0"	4,269	5,023	5,360	5,464	5,568	5,568	5,568
<b>114'-10"</b>	4,005	4,725	5,048	5,148	<b>5,247</b>	5,247	5,247
120'-0"	3,745	4,434	4,743	4,838	4,838	4,838	4,838
130'-0"	3,303	3,938	4,223	4,310	4,310	4,310	4,310
<b>131'-3"</b>	3,253	3,882	4,164	<b>4,251</b>	4,251	4,251	4,251
140'-0"	2,925	3,514	3,778	3,778	3,778	3,778	3,778
<b>147'-8"</b>	2,672	3,230	<b>3,480</b>	3,480	3,480	3,480	3,480
150'-0"	2,599	3,148	3,148	3,148	3,148	3,148	3,148
160'-0"	2,314	2,828	2,828	2,828	2,828	2,828	2,828
<b>164'-1"</b>	2,209	<b>2,710</b>	2,710	2,710	2,710	2,710	2,710
170'-0"	2,063	2,063	2,063	2,063	2,063	2,063	2,063
180'-0"	1,841	1,841	1,841	1,841	1,841	1,841	1,841
<b>180'-5"</b>	<b>1,831</b>	1,831	1,831	1,831	1,831	1,831	1,831

### Max. Load Radius

From To	10'-2"	10'-2"	10'-2"	10'-2"	10'-2"	10'-2"	10'-2"
	46'-4"	51'-8"	54'-1"	54'-10"	55'-7"	56'-6"	56'-6"

This panel is 7.625"

# Mechanical Data

Function	Hoist Type	Speed vs Weight	2-part				4-part				Motor (hp)	Motor (kW)	Rope Length (ft)
			1st Gear	2nd Gear	3rd Gear	4th Gear	1st Gear	2nd Gear	3rd Gear	4th Gear			
Hoist	33 LVF 15 Optima	ft/min lbs	119 6,614	158 4,960	224 3,307	302 1,653	60 13,228	79 9,921	112 6,614	151 3,307	30	22	853
Trolley	7 DVF 4	ft/min	260								6.5	4.8	
Swing	RVF 152 Optima +	rpm	0.8								2 x 5.5	2 x 4.0	

**Power Requirements: 480 V (+6% or -10%) 60 Hz measured at turn table.**  
**Amperage: 33 LVF 15: 61 Amp (3 phase service with ground)**

**Notes:**

1. The 33 LVF 15 is the standard hoist option for the MDT 98-G6. Other hoist options must be at the request of the customer.
2. Hoist speeds with "Optima" hoist units are 25% faster than the speeds listed above when lowering the hook..
3. Values given under "Rope Length" are for drum spooling capacity only.

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# MDT 98-G6

