



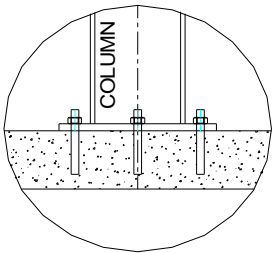
**MT. CLEMENS CRANE**

42827 Irwin Drive  
 Harrison Twp. MI 48045 USA  
 P/ 586-468-0909 F/ 586-468-2711  
 E/ info@mccrane.com W/ mccrane.com

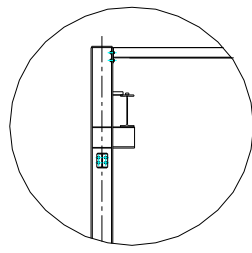
**DIMENSIONS & WEIGHTS - TYPE FSTM-2000**  
**1-TON CAPACITY FREE STANDING RUNWAY**  
**STRUCTURE FOR MOTORIZED CRANE - 25FT TOS**

**GENERAL NOTES:**

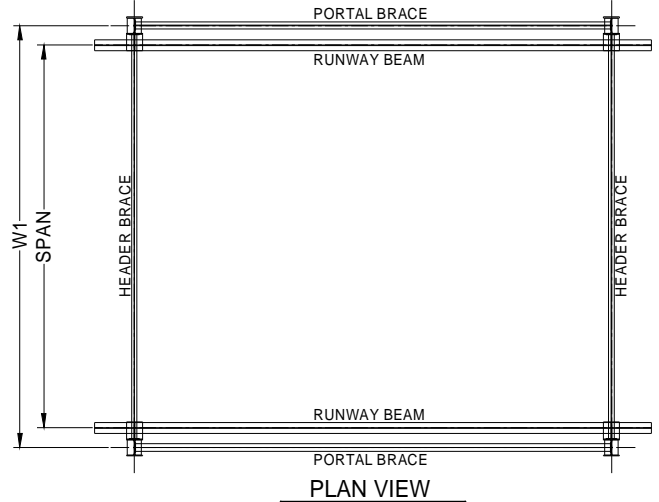
- Runway rail is rectangular square bar welded to runway beam.
- Additional field welding is required at splice joints that overlap beam splices.
- Capacities shown are for One (1) Crane at rated capacity.
- Runway designed for MCC standard crane types: TRSGCH, TRSGWR, TRSGWD, or TRSGWS. Special or customer supplied cranes require review of structure for specific crane design
- For non-standard lengths, widths, or heights; use next larger structure and order with exact dimensions required.
- Structure kit includes: ACAD system installation drawing specific for order, all structural steel work per attached concept drawing, bolting hardware, anchoring hardware for 8" minimum floor thickness, and gray primer paint finish.
- Structure deflection is approximately 1/2" maximum in all directions. Please contact MCC if additional deflection control is required.
- Runway rail height "RH" is calculated for each structure for specific crane to be used. Formula: Rail Height RH = Clear Height (CH) - Crane Height (U)-3" clearance
- Minimum 8" reinforced concrete (min.4000psi) floor required for all structures.
- Base runway cell is a braced cell. Additional cells can be unbraced cell up to (3). Every fourth cell must be a braced cell.



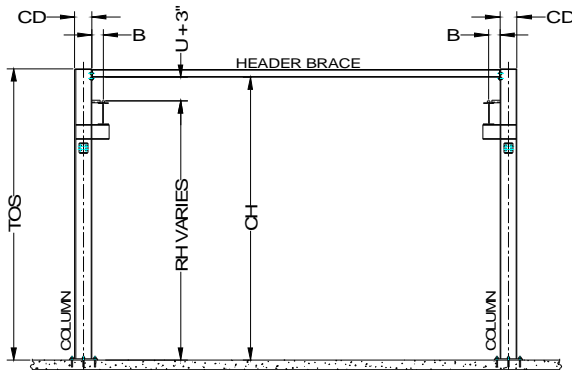
**BASE DETAIL**



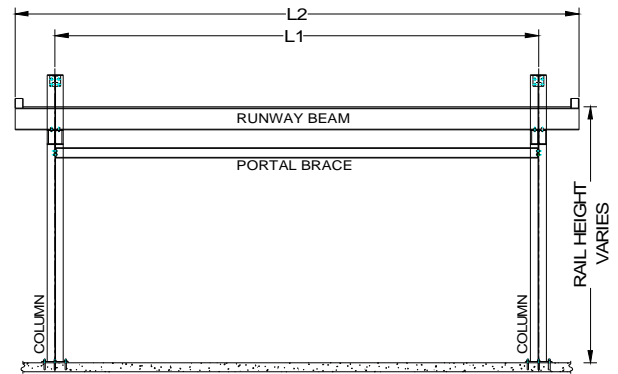
**BEAM/COL. DETAIL**



**PLAN VIEW**



**END VIEW**



**LONGITUDINAL VIEW**

**1-TON CAPACITY / 25 FT (TOS) SYSTEM HEIGHT**

ITEM #	SYSTEM I.D. NUMBER	LENGTH L1 (FT)	WIDTH W1 (FT)	HEIGHT TOS (FT)	HEIGHT CH (FT)	SPAN (FT)	LENGTH L2 (FT)	HEIGHT RH (FT)	WIDTH CD (IN)	WIDTH B (IN)	SYSTEM WT. (LBS)	# COL'S. TOTAL
1	FSTM-2000-20-20-25	20.00	20.00	25.00	24.50	18.00	25.00	CH-U-3"	10.00	7.00	8,379	4
2	FSTM-2000-25-20-25	25.00	20.00	25.00	24.50	18.00	30.00	CH-U-3"	10.00	7.00	9,272	4
3	FSTM-2000-30-20-25	30.00	20.00	25.00	24.50	18.00	35.00	CH-U-3"	10.00	7.00	10,448	4
4	FSTM-2000-20-25-25	20.00	25.00	25.00	24.33	23.00	25.00	CH-U-3"	10.00	7.00	8,662	4
5	FSTM-2000-25-25-25	25.00	25.00	25.00	24.33	23.00	30.00	CH-U-3"	10.00	7.00	9,555	4
6	FSTM-2000-30-25-25	30.00	25.00	25.00	24.33	23.00	35.00	CH-U-3"	10.00	7.00	11,026	4
7	FSTM-2000-20-30-25	20.00	30.00	25.00	24.33	28.00	25.00	CH-U-3"	10.00	7.00	9,198	4
8	FSTM-2000-25-30-25	25.00	30.00	25.00	24.33	28.00	30.00	CH-U-3"	10.00	7.00	10,091	4
9	FSTM-2000-30-30-25	30.00	30.00	25.00	24.33	28.00	35.00	CH-U-3"	10.00	7.00	11,561	4
10	FSTM-2000-20-35-25	20.00	35.00	25.00	24.17	33.00	25.00	CH-U-3"	10.00	7.00	9,544	4
11	FSTM-2000-25-35-25	25.00	35.00	25.00	24.17	33.00	30.00	CH-U-3"	10.00	7.00	10,637	4
12	FSTM-2000-30-35-25	30.00	35.00	25.00	24.17	33.00	35.00	CH-U-3"	10.00	7.00	11,855	4
13	FSTM-2000-20-40-25	20.00	40.00	25.00	24.00	38.00	25.00	CH-U-3"	10.00	7.00	10,111	4
14	FSTM-2000-25-40-25	25.00	40.00	25.00	24.00	38.00	30.00	CH-U-3"	10.00	7.00	11,204	4
15	FSTM-2000-30-40-25	30.00	40.00	25.00	24.00	38.00	35.00	CH-U-3"	10.00	7.00	12,422	4
16	FSTM-2000-20-45-25	20.00	45.00	25.00	23.83	43.00	25.00	CH-U-3"	10.00	7.00	10,762	4
17	FSTM-2000-25-45-25	25.00	45.00	25.00	23.83	43.00	30.00	CH-U-3"	10.00	7.00	11,855	4
18	FSTM-2000-30-45-25	30.00	45.00	25.00	23.83	43.00	35.00	CH-U-3"	10.00	7.00	13,147	4
19	FSTM-2000-20-50-25	20.00	50.00	25.00	23.67	48.00	25.00	CH-U-3"	10.00	7.00	11,707	4
20	FSTM-2000-25-50-25	25.00	50.00	25.00	23.67	48.00	30.00	CH-U-3"	10.00	7.00	12,800	4
21	FSTM-2000-30-50-25	30.00	50.00	25.00	23.67	48.00	35.00	CH-U-3"	10.00	7.00	14,092	4

**ADDTL. CELL LENGTH**

ADDTL. LGTH (FT)	ADDTL. WT. (LBS)	ADDTL. COL'S. (EA)
20.00	3,217	2
25.00	3,774	2
30.00	4,373	2
20.00	3,589	2
25.00	4,146	2
30.00	4,997	2
20.00	3,857	2
25.00	4,414	2
30.00	5,265	2
20.00	4,046	2
25.00	4,771	2
30.00	5,412	2
20.00	4,330	2
25.00	5,055	2
30.00	5,696	2
20.00	4,828	2
25.00	5,553	2
30.00	6,257	2
20.00	5,301	2
25.00	6,026	2
30.00	6,730	2