ABELL-HOWE

FREEDOM FRAME™

MADE IN THE USA — RECOGNIZED WORLDWIDE FOR UNSURPASSED PERFORMANCE™

CMAA
CRANE MANUFACTURERRS ASSOCIATION OF AMERICA, INC. MEMBER COMPANY

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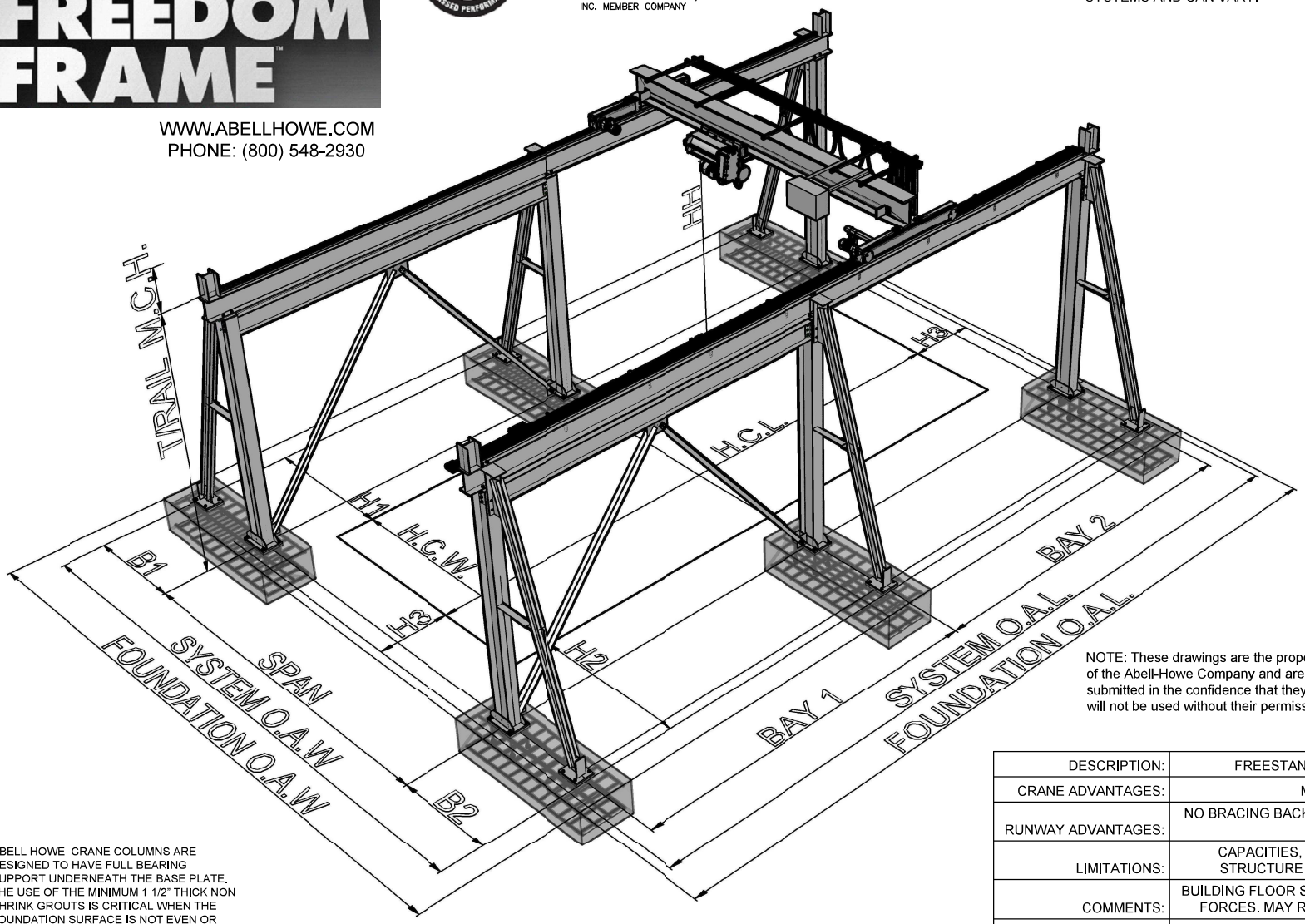

HOOK COVERAGES ARE BASED ON CRANE DIMENSIONS AND CLEARANCES WITH SUPPORT STRUCTURE AND ELECTRIFICATION SYSTEMS AND CAN VARY.

RUNWAY SYSTEM TYPE:	TYPE 10
CRANE TYPE:	TOP RUNNING
TIE BACK TO BUILDING	NO
TYPE OF LATERAL BRACING	TIEBACK TO A-FRAME
LONGITUDINAL BRACING @ ENDS	MAY BE REQUIRED
LONGITUDINAL BRACING @ MID BAYS	REQUIRED
FLANGE BRACING	MAY BE REQUIRED
CRANE FOUNDATION REQ'D	MAY BE REQUIRED BASED ON CAPACITY
SPAN	
B1	
B2	
O.A.W. (OVER ALL WIDTH)	
T/RAIL (TOP OF RAIL)	
M.C.H.(MAX CRANE HEIGHT)	
SYSTEM O.A.L. (OVER ALL LENGTH)	
BAY 1	
BAY 2	
ADDITIONAL BAYS	
FOUNDATION O.A.W. (OVER ALL WIDTH)	
FOUNDATION O.A.L. (OVER ALL LENGTH)	
HH (HOOK HEIGHT)	
H1	
H2	
H3	
H.C.L. (HOOK COVERAGE LENGTH)	
H.C.W. (HOOK COVERAGE WIDTH)	

DESCRIPTION:	FREESTANDING RUNWAY ON COLUMNS WITH "A" FRAMES
CRANE ADVANTAGES:	MAX HOOK HEIGHT CAN BE ACHIEVED
RUNWAY ADVANTAGES:	NO BRACING BACK TO EXISTING BUILDING STRUCTURE. BEST USED FOR OPEN AREAS
LIMITATIONS:	CAPACITIES, SPANS ARE ONLY LIMITED TO EXISTING BUILDING STRUCTURE FOUNDATION INTERFERENCES AND DIMENSIONS
COMMENTS:	BUILDING FLOOR SUPPORT STRUCTURE MUST BE ANALYZED FOR CRANE FORCES. MAY REQUIRE LARGE FOUNDATIONS BASED ON CAPACITY
ENGINEERING:	SOIL PRESSURE ANALYSIS MUST BE DONE TO DETERMINE FOUNDATION SIZE
INSTALLATION:	STANDARD A-FRAMES SUPPORTS ARE WELDED. GROUTING OF COLUMNS IS REQUIRED FOR LEVELING AND FULL BEARING SUPPORT.

ABELL HOWE CRANE COLUMNS ARE DESIGNED TO HAVE FULL BEARING SUPPORT UNDERNEATH THE BASE PLATE. THE USE OF THE MINIMUM 1 1/2" THICK NON SHRINK GROUTS IS CRITICAL WHEN THE FOUNDATION SURFACE IS NOT EVEN OR LEVEL. WHEN GROUTING IS NOT USED, IT IS THE CUSTOMER'S RESPONSIBILITY TO ENSURE THAT THE FOUNDATION SURFACE IS LEVEL AND SMOOTH AS WELL AS MAKING SURE THERE IS FULL BEARING SUPPORT UNDERNEATH THE BASE PLATE.

LIABILITY NOTICE: Abell-Howe crane, assumes no responsibility for loading imposed on building structure or footings by this equipment. We suggest this be checked by a licensed structural engineer and any necessary permits be secured.