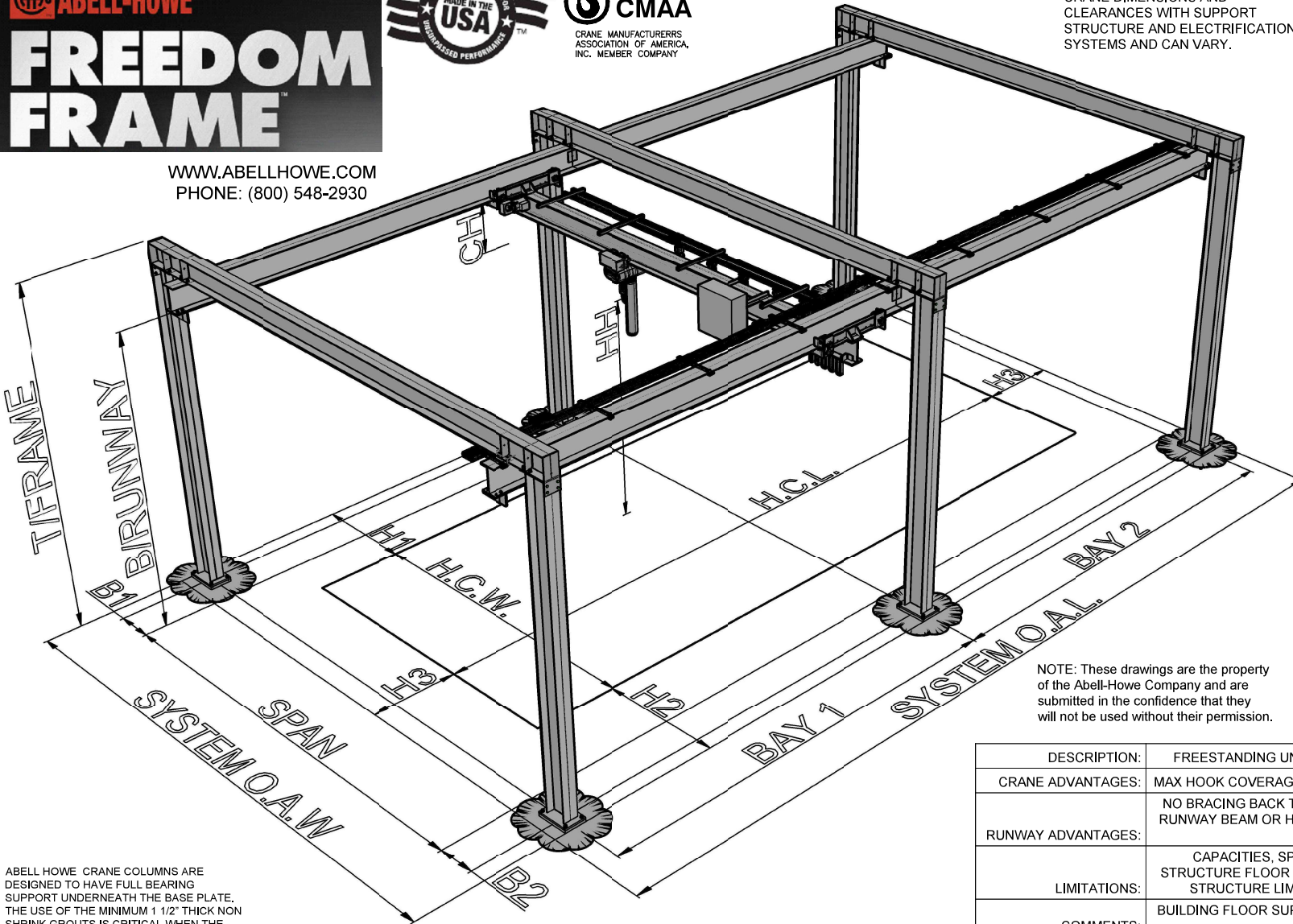


ABELL-HOWE FREEDOM FRAME™

WWW.ABELLHOWE.COM
PHONE: (800) 548-2930



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



RUNWAY SYSTEM TYPE:	TYPE 4
CRANE TYPE:	UNDERHUNG
TIE BACK TO BUILDING	NO
TYPE OF LATERAL BRACING	NONE
LONGITUDINAL BRACING @ ENDS	NONE
LONGITUDINAL BRACING @ MID BAYS	NONE
FLANGE BRACING	MAY BE REQUIRED
CRANE FOUNDATION REQ'D	MAY BE REQUIRED BASED ON CAPACITY
SPAN	
B1	
B2	
O.A.W. (OVER ALL WIDTH)	
B/RUNWAY (BOTTOM)	
T/FRAME (TOP)	
C.H.(CRANE HEIGHT)	
SYSTEM O.A.L. (OVER ALL LENGTH)	
BAY 1	
BAY 2	
ADDITIONAL BAYS	
HH (HOOK HEIGHT)	
H1	
H2	
H3	
H.C.L. (HOOK COVERAGE LENGTH)	
H.C.W. (HOOK COVERAGE WIDTH)	

NOTE: These drawings are the property of the Abell-Howe Company and are submitted in the confidence that they will not be used without their permission.

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.

DESCRIPTION:	FREESTANDING UNDERHUNG RUNWAY ON COLUMN HEADER FRAME
CRANE ADVANTAGES:	MAX HOOK COVERAGE CAN BE ACHIEVED. MANUAL CRANES CAN BE USED
RUNWAY ADVANTAGES:	NO BRACING BACK TO EXISTING BUILDING STRUCTURE. PATENT TRACK RUNWAY BEAM OR HANGER ROD SYSTEM CAN BE USED IN LIEU OF WIDE FLANGE OR S-BEAM.
LIMITATIONS:	CAPACITIES, SPANS ARE ONLY LIMITED TO EXISTING BUILDING STRUCTURE FLOOR STRENGTH AND DIMENSIONS. OVERHEAD SUPPORT STRUCTURE LIMITS MAX HOOK HEIGHT IN EXISTING BUILDINGS.
COMMENTS:	BUILDING FLOOR SUPPORT STRUCTURE MUST BE ANALYZED FOR CRANE FORCES.
ENGINEERING:	BUILDING FLOOR STRUCTURE ANALYSIS CAN BE PROVIDED BY ABELL-HOWE OR CRANE LOADS PROVIDED TO BUILDING MANUFACTURER
INSTALLATION:	GROUTING OF COLUMNS IS REQUIRED FOR LEVELING AND FULL BEARING SUPPORT. REQUIRES RUNWAY SPLICE HARDWARE: STANDARD WELDED OR OPTIONAL BOLTED.