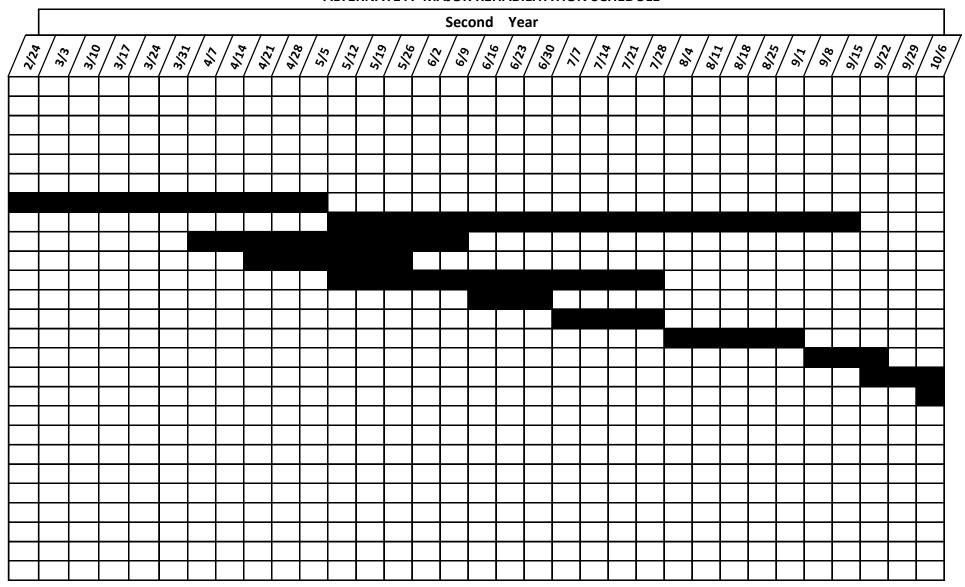
APPENDIX H

Alternate A: Major Rehabilitation Details

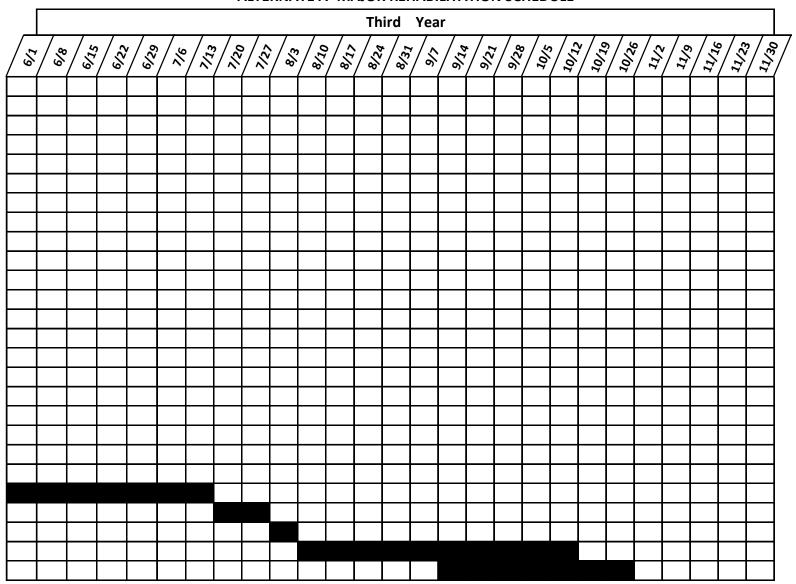
							F	irst	Yea	r						
ACTIVITY	4/2	, / %	1/2/2	1/8%	/% 2%	5/13	5/20	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\\\ \&	67.0	17/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2	72%	/\$	//%	ZZ	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Mobilization																
Construct temporary bridge and roadway																
Substructure patching																
Structural steel repairs																
Remove trusses																
Inspection of truss damage/drawing development																
Truss member fabrication																
Replace/repair and paint trusses																
Electrical/Mechanical Repairs																
Remove existing fender systems																
Install new fender systems																
Remove deck sections & Pier 2 support system																
Install new Pier 2 support & replace deck sections																
Modify truss panel point connections																
Screw Jack/Limit Switch Modifications																
Install metal bridge rail support system																
Install metal bridge rail																
Install trusses																
Install barrier gates																
Removal of bituminous wearing surface																
Deck Patching																
Field painting of superstructure																
Membrane and pave deck																
Install asphaltic plug joints																
Remove temporary bridge and roadway																
Misc. work and clean up																

Note: shop drawing process and ordering materials may delay construction +/- 2 months. 8 months for construction to be provided.

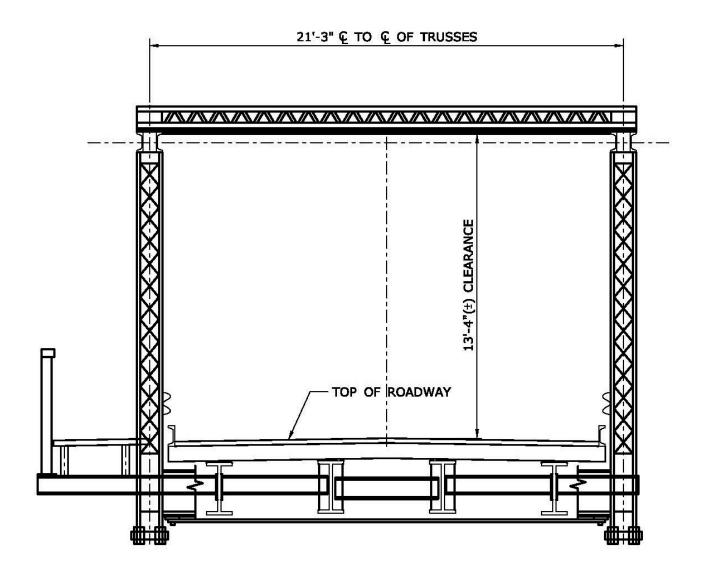
									Fir	st Y	ear										Sco	nd `	⁄ear		
\\ \&_\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1/8/13	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1/%	/%	97/6	330	107	10/19	10/51	707	7/1/4	11/11	1/1/17	11/25		12/16	12/30	2/%	1/13	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		/\$	270	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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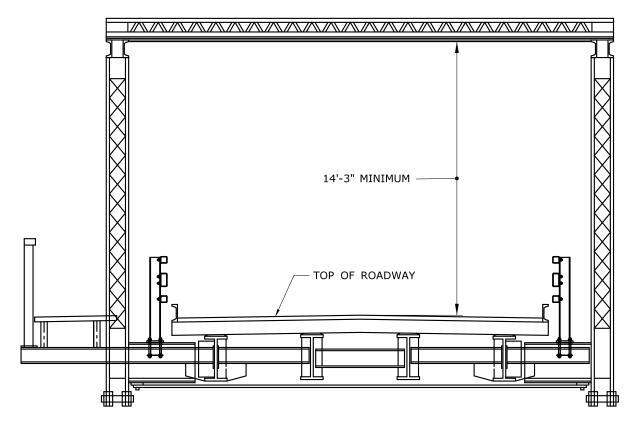


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				Sec		Ye	ear								TI	hird	Ye	ar							
10/13	10/20	10/23				12/1	?/% ???	12/15				×/%	2/16	? **	./%	3/16	3/23	3/30	4/6	4/13	2/2/	2/2	5/11	5/18	5/25
\dashv																									



Existing Truss Vertical Clearance

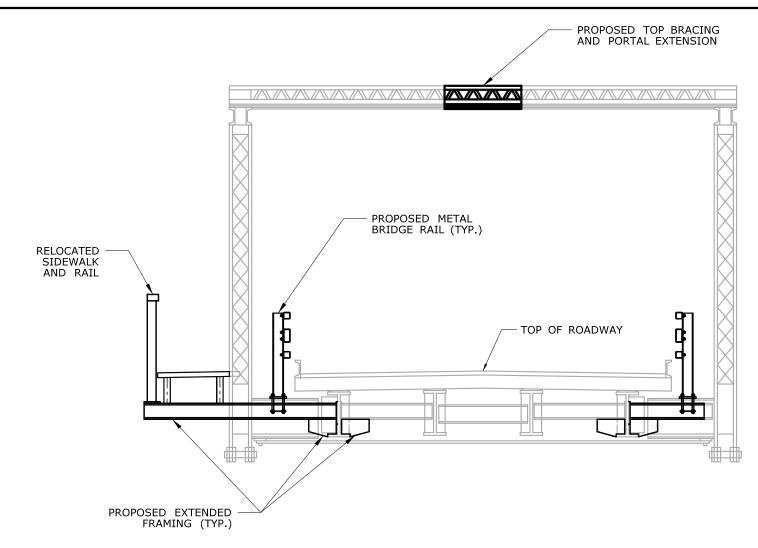




PROPOSED SECTION

SCALE: 1"=40'-0"

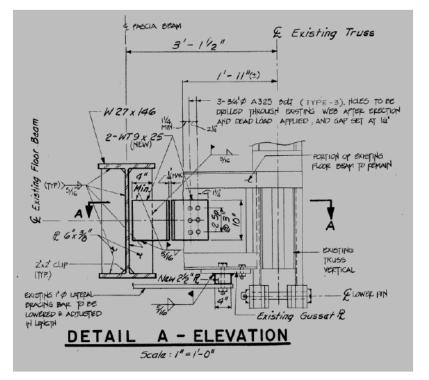
	N OF ROUTE 136 SATUCK RIVER
PROPOSED SECTION	ON - ALTERNATE A
CITY/TOWN:	BRIDGE NO.
WESTPORT	01349
STATE PROJECT NO.: 158-212	DATE: 4/8/2016

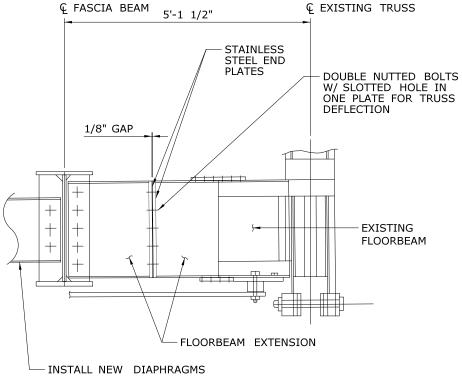


PROPOSED FRAMING AND BRIDGE RAIL

SCALE: 1"=40'-0"

REHABILITATION OVER SAUGA	
PROPOSED FRAMIN	G - ALTERNATE A
CITY/TOWN:	BRIDGE NO.
WESTPORT	01349
STATE PROJECT NO.: 158-212	DATE: 12/28/2015

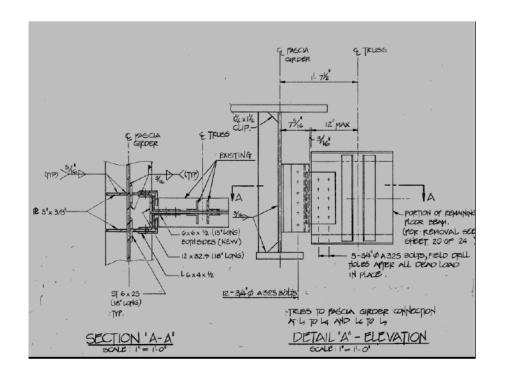




EXISTING ELEVATION

PROPOSED ELEVATION

REHABILITATION OVER SAUGAT	
FLOORBEAM EXTENS	SION FIXED SPAN
CITY/TOWN:	BRIDGE NO.
WESTPORT	01349
STATE PROJECT NO.: 158-212	DATE: 3/22/2016



Ç FASCIA GIRDER **C** EXISTING TRUSS 3'-7 1/2" **PORTION** OF ORIGINAL FLOORBEAM NEW FLOORBEAM EXTENSION PROVIDE NEW PROVIDE PTFE SLIDING SURFACES **DIAPHRAGMS** AND VERTICALLY SLATED HOLES IN STIFFENER PLATE TO ACCOMMODATE TRUSS DEFLECTION. DOUBLE NUT BOLTS AND PROVIDE 1/8" GAP BETWEEN SURFACES.

EXISTING SECTION

PROPOSED SECTION

REHABILITATION	
OVER SAUGA	TUCK RIVER
FLOORBEAM EXTENS	SION SWING SPAN
CITY/TOWN:	BRIDGE NO.
WESTPORT	01349
STATE PROJECT NO.: 158-212	DATE: 3/23/2016

Pier 2 Support System Removal & Replacement Construction Sequencing

Notes:

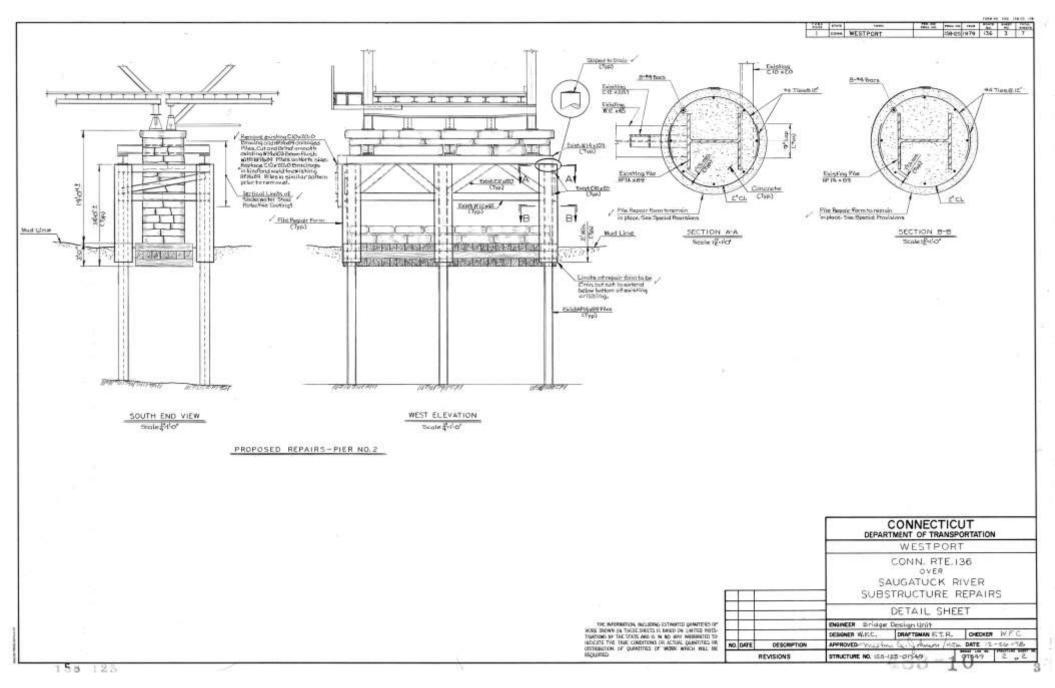
- 1. Construction to be completed during roadway closure.
- 2. Truss leaves to be removed during crane work from bridge.
- 3. Crane placement on bridge for fixed span center pile support system removal and installation. Outside piles may be removed and erected from barge mounted cranes or bridge mounted crane (See following Existing Pier 2 Support System).
- 4. The piles of the swing span side of the support system are assumed to be removed and replaced with a deck mounted or barge mounted crane on the fixed span side, or barge mounted crane; with the swing span open, due to the superstructure configuration (Beam spacing and exodermic deck construction).
- 5. Due to space restrictions the piles are assumed to be extracted and free driven (no leads).
- 6. Piles estimated to be HP 14 x 89-35'long (Pile weight= 3115 lbs).
- 7. Pile driving hammer estimated to be Vulcan 30 Double Acting steam hammer with rated driving energy of 7260 lbs; hammer weight= 7090 lbs (See following specification sheet).
- 8. With hook block and ball and rigging (\pm 500 lbs) the system weight 3115 \pm 7090 \pm 500 = 10,750 lbs.
- 9. Crane placement will be at the pier with an operating radius of +/- 15 feet, with outriggers extended (See following crane capacity charts).
- 10. Crane weights are +/- 28,000 to 41,000 lbs (See following crane capacity charts).
- 11. Crane weight loaded max. $\pm -41,000 + 10,750 = 51,750$ lbs. Live load capacity of bridge is in excess of 72,000 lbs at midspan.

Sequence

- 1. Remove pier cap concrete areas and cross beams by through drilling or hydro-demolition (see sketch). Note that the superstructure and truss dead loads and construction equipment loads will be supported by the stone pier during removal and replacement of the support system.
- 2. Remove the existing support system bracing and exterior piles from barge mounted cranes or deck supported crane (4 piles).
- 3. Cut a hole \pm 4' x 4' in the fixed span deck and extract the center pile from the deck.
- 4. Extract the center pile of the swing span side of the support system.
- 5. Install new piles and bracing.
- 6. Replace deck section and pier cap removal areas.

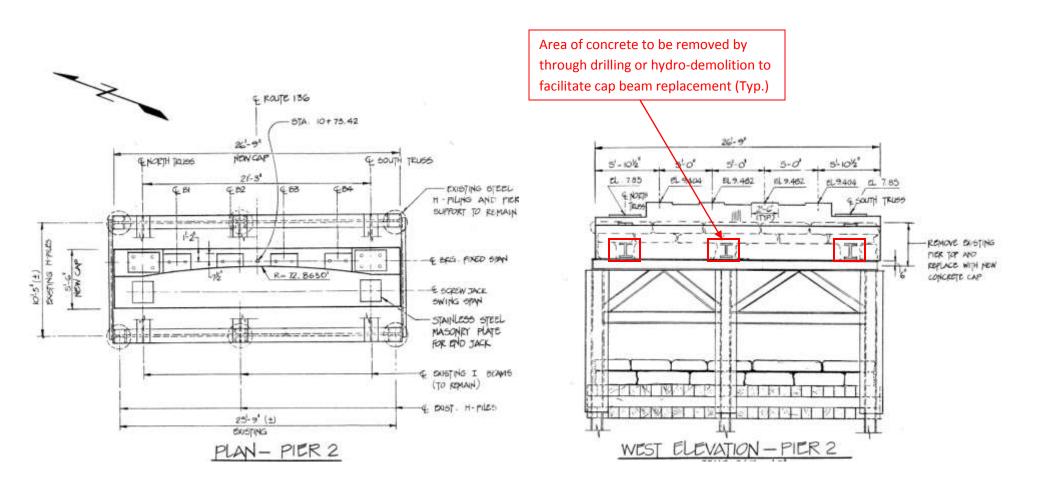
EXISTING PIER 2 SUPPORT SYSTEM- TO BE REMOVED SIMILAR SYSTEM NEW TO BE INSTALLED

(Note original superstructure and pier cap shown)

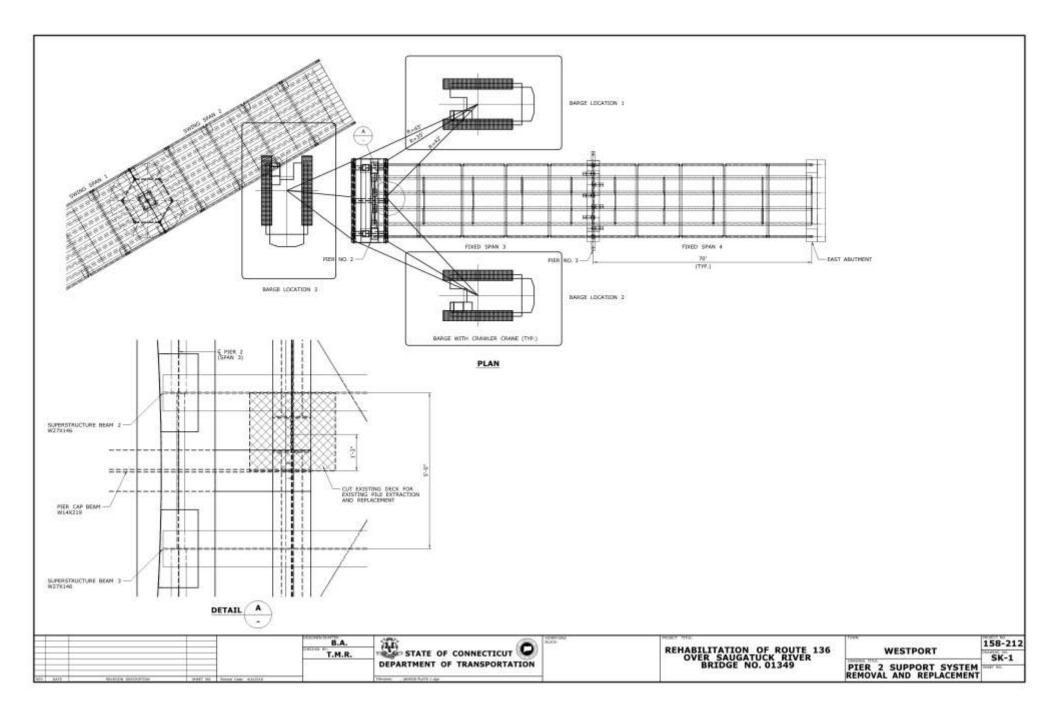


EXISTING PIER 2 SUPPORT SYSTEM- TO BE REMOVED SIMILAR SYSTEM NEW TO BE INSTALLED

(New pier cap shown)



Note: Dead load and construction equipment loads will be transferred to the existing stone pier through the superstructure and truss during support system removal and replacement.



BAY CRANE

www.baycrane.com

15 ton



Grove YB4415 XT Load Charts

RATED LIFTING CAPACITIES IN POUNDS ON OUTRIGGERS FULLY EXTENDED - 360°

17 FT. - 40 FT. BOOM

Radius		N	lain Boom L	ength in Fe	et	
in Feet	*17 (18.4)	* 20 (21.4)	* 25 (26.4)	*30 (31.4)	*35 (36.4)	*40 (41.4)
6	30,000	28,950	28,200	27,850	27,650	
8	28,050	28,100	28,150	27,800	26,400	23,750
10	23,000	23,100	23,150	23,200	22,450	20,650
12	18,100	18,250	18,350	18,450	18,500	17,550
14		14,750	14,850	14,900	14,950	14,950
16		12,300	12,450	12,450	12,500	12,500
18			10,600	10,650	10,700	10,700
20			9,070	9,070	9,070	9,070
22				7,760	7,760	7,760
24				6,740	6,740	6,740
26				5,930	5,930	5,930
28					5,260	5,260
30					4,710	4,710
32						4,240
34						3,840
36						3,490
Mir	nimum boom	angle (°) fo	r indicated	length (no lo	ad)	0
Maxim	um boom le	ngth (ft.) at (degree bo	om angle (n	o load)	40
	Liftir		at Zero Deg ers Fully Ex			
Boom		N	lain Boom L	ength in Fe	et	
Angle	* 17 (18.4)	* 20 (21.4)	* 25 (26.4)	* 30 (31.4)	* 35 (36.4)	*40 (41.4)
0°	9,080 (13.3)	8,100 (16.3)	5,940 (21.3)	4,600 (26.3)	3,720 (31.3)	3,070 (36.3)

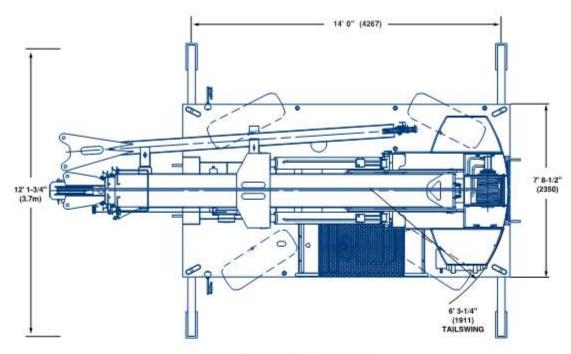
Note: () Reference radii in feet. (Applicable to boom nose sheaves in down position only.)

A6-829-100221B

- 1. Capacities do not exceed 85% of tipping loads as determined by test in accordance with SAE J765.
- Capacities appearing above the bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
- With boom nose sheaves down (in lower position), single, 2-part or 4-part line may be used. With boom nose sheaves up and out (low profile position), single or 2-part line may be used, with maximum boom angle limited to 70°.

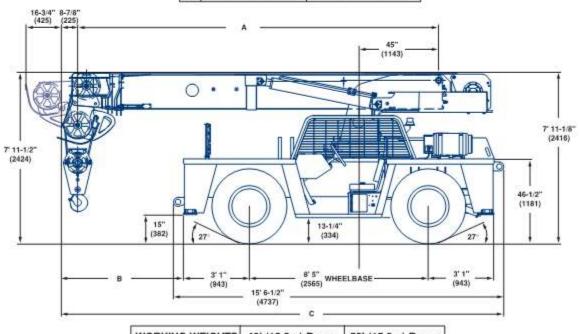
^{*}Boom length varies between boom nose sheaves in down position (in bold), or up & out position (in parenthesis).





Note: () Reference dimensions in mm

	40' (12.2m) BOOM	52' (15.6m) BOOM
Α	17' 0" (5182)	21' 5" (6528)
В	5' 3" (1603)	10' 2" (3099)
С	20' 9-5/8" (6340)	25' 2-1/2" (7684)



WORKING WEIGHTS	40' (12.2m) Boom	52' (15.6m) Boom
Front Axle	11,900, (5398)	13,900 (6305)
Rear Axle	15,600 (7076)	14,850 (6736)
GVW	27,500 (12,474)	28,750 (13,041)

2 GROVE YB4415/YB4415XT

BAY CRANE

www.baycrane.com

28 ton



Tadano TR280XL Load Charts

TR-280XL TOTAL RATED LOAD CHART (IN POUNDS)

Load Radius			Boom	Len	gth in	Fee	t		Boom	Boom	Length i	n Feet
in Feet	29.5 (9.0m)	36 (11.0m)	42 (12.8m)	48 (14.6m)	54 (16.5m)	60 (18,3m)	66 (20.1m)	72.2 (22.0m)	Angle in		2m)Boo 24.6(7.5	
10	56,000 (60°)	36,000 (66°)	36,000 (70°)	35,000 (73°)	29,750 (75°)	29,150 (76°)	22,250 (77°)	20,850 (80°)	Degree	5° tilt	25° tilt	45° tilt
12	40,000 (56°)	36,000 (62*)	36,000 (67°)	35,000 (70°)	29,750 (72°)	29,150	22,250 (76°)	20.850 (77°)	80*	8.800	4,410	3.300
	31,700	31.500	31,500	31,200	29.750	29.150	22.250	20.850	75°	8,260	4,410	3,300
15	(48*)	(57°)	(62*)	(66°)	(69°)	(713)	(73°)	(74°)	70°	6,920	4,410	3,100
20	24,000	24,000	24,000	24,000	24,000	23,100	22,250	20,850	65*	5,920	4,000	2,960
20	(32*)	(47*)	(54*)	(59°)	(63°)	(66*)	(68*)	(70°)	60*	5,190	3,750	2,860
25		18,800 (34°)	18,800	18.800 (52°)	18,800 (57°)	(61*)	18,300	17.650 (66°)	55°	4,590	3.560	2,760
20	-	15,900	15,900	15,900	15,900	15,900	15,300	14,950	50°	4,090	3,400	2,660
30		(9°)	(34°)	(44°)	(50*)	(55*)	(58*)	(61*)	45°	3,710	3,290	2,550
35		- 3	12,900	12,900	12,900	12,900	12,900	12.700 (57°)	40°	3,420	3,180	ENV. LES
			(16*)	(34*)	(43°)	(49°)	(53°)		35°	3,190	3,100	
40				10,800	10.800 (34°)	10,800 (42°)	(47°)	10,800 (52°)	30°	2,820	2,800	
45					9,020	9.020	9,020	9.020	25°	2,530	2,500	
45					(21°)	(34°)	(41*)	(45°)	20°	2,300		
50	1 8					7,420 (23°)	7.420 (34°)(7,420	15°	2,100		
-						1231	6.200	the second secon	10°	1,900		
55							(24°)	6,200 (34°)	5°	1,800		
60							5.200 (6°)	5.200 (25°)			kg) shall e total ra	
-								4 400				

^{1,650} lbs. (750 kg) shall be subtracted from the total rated load of the main boom when jib is attached to the main boom head.

WARNING AND OPERATING INSTRUCTIONS FOR LIFTING CAPACITIES

GENERAL

 Total rated loads shown on the TOTAL RATED LOAD CHART apply only to the machine as originally manufactured and normally equipped by TADANO LTD. Modifications to the machine or use of optional equipment other than that specified can result in a reduction of capacity.

65

- Construction equipment can be dangerous if improperly operated or maintained.
 Operation and maintenance of this machine must be in compliance with the information in the operation, safety and maintenance manual supplied with machine. If this manual is missing, order replacement through the distributor.
- 3 The operator and other personnel associated with this machine shall fully acquaint themselves with the latest applicable American National Standards Institute (ANSI) safety standards for cranes.

SET UF

- Total rated loads shown on the chart are the maximum allowable crane capacities and
 are based on the machine standing level on firm supporting surface under ideal job
 conditions. Depending on the nature of the supporting surface, it may be necessary to
 have structural supports under the outrigger floats or tires to spread the load to a larger
 bearing surface.
- For outrigger operation, outriggers shall be fully extended with tires free of supporting surface before operating crane.

OPERATION

- Total rated loads with outriggers fully extended do not exceed 85% of the tipping loads as determined by SAE Crane Stability Test Code J-765.
- Total rated loads above bold lines in the chart are based on crarie strength and those below, on its stability. They are based on actual load radius increased by boom deflection.
- Total rated loads include the weight of main hook block (600 lbs for 30 tons capacity), auxiliary hook ball (220 lbs for 4.4 tons capacity), sling and auxiliary lifting devices and their weights shall be subtracted from the listed capacities to obtain the net load to be lifted.
- 4. Total rated loads are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, inflation of tires, operating speeds, side loads, etc. Side pull on boom or jib is extremely denoted.
- Total rated loads do not account for wind on lifted load or boom. Total rated loads and boom length shall be appropriately reduced, when wind velocity is above 20 mph (9m/ sec.).
- Total rated loads at load radius shall not be exceeded. Do not tip the crane to determine allowable loads.
- Do not operate at boom lengths beyond radii or boom angle, where no capacities are shown. Crane may overtufin without any load on the hook.
- When boom length is between values listed, refer to the total rated loads of the next longer and next shorter booms for the same radius. The lesser of the two total rated loads shall be used.

- When making lifts at a load radius not shown, use the next longer radius to determine allowable capacity.
- 10. Single line operation should not exceed 8,800 lbs (4000 kg).
- Loaded boom angles are approximate. The boom angle before loading should be greater to account for deflection.
- The 29.5' (9.0 m) boom length capacities are based on boom fully retracted. If not fully retracted [less than 36' (11.0 m)boom length], use the total rated loads for the 36' (11.0 m) boom length.
- Extension or retraction of the boom with loads may be attempted within the limits of the TOTAL RATED LOAD CHART. The ability to telescope loads is limited by hydraulic pressure, boom angle, boom length, crane maintenance, etc.
- For lifting capacity of single top, reduce the total rated loads of relevant boom by 550 lbs (250 kg). Capacities of single top shall not exceed 6,610 lbs (3000 kgs) including main book.
- When erecting and stowing jib, be sure to retain it by hand or by other means to prevent its free movement.
- 1650 lbs (750 kgs) shall be subtracted form the total rated loads of the main boom, when jib is attached to main boom head. Jib weight is 770 lbs (350 kgs).
- Use Anti-Two Block (OVERWIND CUTOUT) disable switch when erecting and stowing the jib and stowing the hook block. While the switch is pushed, the hoist does not stop, even when overwind condition occurs.
- 18. For boom lengths with 24.6" (7.5 m) Jib, total rated loads are determined by loaded boom angle only in the column headed "72.2" (22 m) Boom + 24.6" (7.5 m) Jib". For boom angles not shown, use the next lower loaded boom angle to determine allowable capacity.
- When lifting a load by using jib (auxiliary hoist) and boom (main hoist) simultaneously, do the following:
 - Illuminate the jib indicator lamps and make the jib offset display screen indicate
 the same value as the actual offset by repeatedly pushing the boom state register
 switch.
 - Before starting operation, make sure that the weight of load is within the total rated load for lib.

DEFINITIONS

- Load Radius: Horizontal distance from a projection of the axis of rotation to supporting surface before loading to the center of the vertical hoist line or tackle with load applied.
- Loaded Boom Angle: The angle between the boom base section and the horizontal, after lifting the total rated load at the load radius.
- 3. Working Area: Area measured in a circular arc about the centerline of rotation.
- Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist line.
- Side Load: Horizontal side force applied to the lifted load either on the ground or in the air.



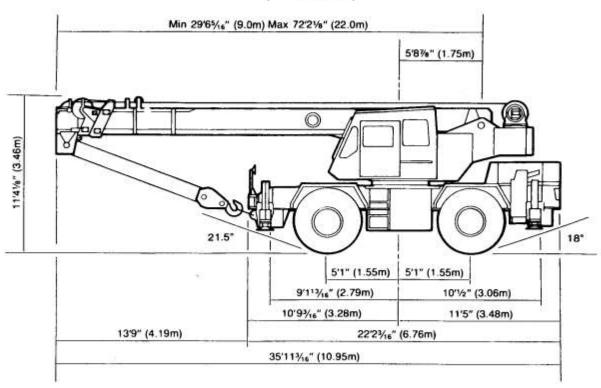
TR-280XL

28 Ton Capacity (25.4 Metric Tons)

HYDRAULIC ROUGH TERRAIN CRANE

DIMENSIONS

(20.5 X 25 Tires)



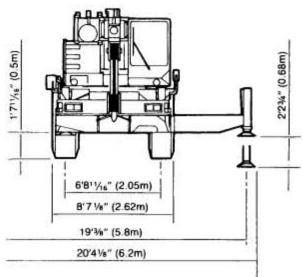
GENERAL DIMENSIONS (20.5 X 25 Tires)

	Feet	Meters
Tail swing counterweight	9' 8 1/8"	2.95
Turning Radius: 4 wheel steer	20' 11 3/4"	6.4
2 wheel steer .	35' 9 1/8"	10.9





11-02 43* Avenue Long Island City, NY 11101 Tel: 718-392-0800 Fax: 718-392-2353



\leftarrow 530 (http://vulcanhammer.com/specifications/530-2/) 50C → (http://vulcanhammer.com/specifications/50c/)

Joc

Blows per Minute, Normal Stroke, No Set: 133 Nominal Stroke, ft-in (mm): Steam Consumption, lb/hr (Kg/hr): Steam Consumption, lb/hr (Kg/hr): Steam Pressure, LBS. per Sq. Inch - At Hammer: Steam Pressure, LBS. per Sq. Inch - At Hammer: Air Pressure, LBS. per Sq. Inch - At Hammer: Boiler Heating Surface, Sq. Ft.: Wolume Free Air, Cu. Ft. Per Min Adiabatic: Volume Free Air, Cu. Ft. Per Min Isothermal: gao Equivalent Stroke, Ft: Soiler Horse Power, Nominal Rating: Boiler Horse Power, Nominal Rating: Boiler Horse Power, A.S.M.E. Rating: 70 ***8sqrt;EW Rating: Boiler Horse Power, A.S.M.E. Rating: 70 ***Bayart;EW Rating: Boiler Horse Power, A.S.M.E. Rating: Diameter of Small Piston, Inches: 6 1/2 Area Small Piston - Sq Inches: 133.18 Length of Hammer with Standard Base: 9' 8-1/8" Length of Hammer with McDermid Base: 9' 10-3/8" Diameter of opening in Standard base, Inches: 12 Distance Between Jaws, Inches 19 Width of Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: Noet Weight with Standard Base, Lbs: 7090 Shipping Weight with McDermid Base: 7335	Rated Strike Energy, ft-lbs (kJ):	7260
Nominal Stroke, ft-in (mm): Steam Consumption, lb/hr (Kg/hr): Steam Consumption, lb/hr (Kg/hr): Steam Pressure, LBS. per Sq. Inch - At Hammer: Steam Pressure, LBS. per Sq. Inch - At Hammer: 120 Air Pressure, LBS. per Sq. Inch - At Hammer: Boiler Heating Surface, Sq. Ft.: 480 Volume Free Air, Cu. Ft. Per Min Adiabatic: Volume Free Air, Cu. Ft. Per Min Isothermal: 930 Equivalent Stroke, Ft: 2.42 Boiler Horse Power, Nominal Rating: 40 Boiler Horse Power, A.S.M.E. Rating: 70 ***8sqrt;EW Rating: Diameter of Small Piston, Inches: 6 1/2 Area Small Piston - Sq Inches: 12 Length of Hammer with Standard Base: 9' 8-1/8" Length of Hammer with McDermid Base: 9' 10-3/8" Diameter of opening in Standard base, Inches: 12 Distance Between Jaws, Inches 19 Width of Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 5/8" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 7036 Net Weight with Standard Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281		
Steam Consumption, Ib/hr (Kg/hr): Size of Hose, Inches: Steam Pressure, LBS. per Sq. Inch - At Hammer: 120 Air Pressure, LBS. per Sq. Inch - At Hammer: Boiler Heating Surface, Sq. Ft.: Volume Free Air, Cu. Ft. Per Min Adiabatic: Volume Free Air, Cu. Ft. Per Min Isothermal: 930 Equivalent Stroke, Ft: Boiler Horse Power, Nominal Rating: 40 Boiler Horse Power, Nominal Rating: 70 ***Sagrt;EW Rating: Diameter of Small Piston, Inches: Area Small Piston - Sq Inches: Length of Hammer with Standard Base: Pi 8-1/8" Length of Hammer with McDermid Base: Diameter of opening in Standard base, Inches: Diameter of opening in McDermid base, Inches: Diameter of opening in McDermid base, Inches: Distance Between Jaws, Inches *Largest Dimensions of Concrete Pile, Inches: Size of Wire Hoisting Rope, Inches: No. Parts of Hoisting Rope; No. Parts of Hoisting Rope: Weight of Striking Parts, Lbs: Not Weight with Standard Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281		
Size of Hose, Inches: Steam Pressure, LBS. per Sq. Inch - At Hammer: Air Pressure, LBS. per Sq. Inch - At Hammer: Boiler Heating Surface, Sq. Ft.: Volume Free Air, Cu. Ft. Per Min Adiabatic: Volume Free Air, Cu. Ft. Per Min Isothermal: 930 Equivalent Stroke, Ft: Boiler Horse Power, Nominal Rating: Boiler Horse Power, Nominal Rating: Boiler Horse Power, A.S.M.E. Rating: 70 ***Saqrt;EW Rating: Diameter of Small Piston, Inches: Area Small Piston - Sq Inches: Length of Hammer with Standard Base: P' 8-1/8" Length of Hammer with McDermid Base: Diameter of opening in Standard base, Inches: Diameter of opening in McDermid base, Inches: Diameter of opening in McDermid base, Inches: 12 Distance Between Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: No. Parts of Hoisting Rope: Weight of Striking Parts, Lbs: Not Weight with Standard Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281		
Steam Pressure, LBS. per Sq. Inch - At Hammer: 120 Air Pressure, LBS. per Sq. Inch - At Hammer: 120 Boiler Heating Surface, Sq. Ft.: 480 Volume Free Air, Cu. Ft. Per Min Adiabatic: 488 Volume Free Air, Cu. Ft. Per Min Isothermal: 930 Equivalent Stroke, Ft: 2.42 Boiler Horse Power, Nominal Rating: 40 Boiler Horse Power, A.S.M.E. Rating: 70 ***&sqrtEW Rating: 4666 Diameter of Small Piston, Inches: 6 1/2 Area Small Piston - Sq Inches: 33.18 Length of Hammer with Standard Base: 9' 8-1/8" Length of Hammer with McDermid Base: 9' 10-3/8" Diameter of opening in Standard base, Inches: 16 Diameter of opening in McDermid base, Inches: 12 Distance Between Jaws, Inches 19 Width of Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 7036 Net Weight with Standard Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281		
Air Pressure, LBS. per Sq. Inch - At Hammer: Boiler Heating Surface, Sq. Ft.: Volume Free Air, Cu. Ft. Per Min Adiabatic: Volume Free Air, Cu. Ft. Per Min Isothermal: 930 Equivalent Stroke, Ft: Boiler Horse Power, Nominal Rating: Boiler Horse Power, A.S.M.E. Rating: 70 ***&sqrtEW Rating: Diameter of Small Piston, Inches: Length of Hammer with Standard Base: Length of Hammer with McDermid Base: Diameter of opening in Standard base, Inches: Diameter of opening in McDermid base, Inches: Distance Between Jaws, Inches *Largest Dimensions of Concrete Pile, Inches: Size of Wire Hoisting Rope; No. Parts of Hoisting Rope: Weight of Striking Parts, Lbs: Net Weight with Standard Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281		
Boiler Heating Surface, Sq. Ft.: 480 Volume Free Air, Cu. Ft. Per Min Adiabatic: 488 Volume Free Air, Cu. Ft. Per Min Isothermal: 930 Equivalent Stroke, Ft: 2.42 Boiler Horse Power, Nominal Rating: 40 Boiler Horse Power, A.S.M.E. Rating: 70 ***&sqrtEW Rating: 4666 Diameter of Small Piston, Inches: 6 1/2 Area Small Piston - Sq Inches: 33.18 Length of Hammer with Standard Base: 9' 8-1/8" Length of Hammer with McDermid Base: 9' 10-3/8" Diameter of opening in Standard base, Inches: 16 Diameter of opening in McDermid base, Inches: 12 Distance Between Jaws, Inches 19 Width of Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 7036 Net Weight with Standard Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281		
Volume Free Air, Cu. Ft. Per Min Adiabatic: 488 Volume Free Air, Cu. Ft. Per Min Isothermal: 930 Equivalent Stroke, Ft: 2.42 Boiler Horse Power, Nominal Rating: 40 Boiler Horse Power, A.S.M.E. Rating: 70 ***&sqrtEW Rating: 4666 Diameter of Small Piston, Inches: 6 1/2 Area Small Piston - Sq Inches: 33.18 Length of Hammer with Standard Base: 9' 8-1/8" Length of Hammer with McDermid Base: 9' 10-3/8" Diameter of opening in Standard base, Inches: 16 Diameter of opening in McDermid base, Inches: 12 Distance Between Jaws, Inches 19 Width of Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 3000 Net Weight with Standard Base, Lbs: 7036 Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	· · · · · · · · · · · · · · · · · · ·	
Volume Free Air, Cu. Ft. Per Min Isothermal: 930 Equivalent Stroke, Ft: 2.42 Boiler Horse Power, Nominal Rating: 40 Boiler Horse Power, A.S.M.E. Rating: 70 ***&sqrtEW Rating: 4666 Diameter of Small Piston, Inches: 6 1/2 Area Small Piston - Sq Inches: 33.18 Length of Hammer with Standard Base: 9' 8-1/8" Length of Hammer with McDermid Base: 9' 10-3/8" Diameter of opening in Standard base, Inches: 16 Diameter of opening in McDermid base, Inches: 12 Distance Between Jaws, Inches 19 Width of Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 3000 Net Weight with Standard Base, Lbs: 7036 Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281		480
Equivalent Stroke, Ft: Boiler Horse Power, Nominal Rating: Boiler Horse Power, A.S.M.E. Rating: ***Sagrt;EW Rating: Diameter of Small Piston, Inches: Area Small Piston - Sq Inches: Length of Hammer with Standard Base: Unimeter of Opening in Standard Base: Diameter of opening in Standard base, Inches: Diameter of opening in McDermid base, Inches: Distance Between Jaws, Inches Width of Jaws, Inches **Largest Dimensions of Concrete Pile, Inches: Size of Wire Hoisting Rope, Inches: No. Parts of Hoisting Rope: Weight of Striking Parts, Lbs: Net Weight with Standard Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 700 **Accepted Additional Parts and Parts	Volume Free Air, Cu. Ft. Per Min Adiabatic:	488
Boiler Horse Power, Nominal Rating: Boiler Horse Power, A.S.M.E. Rating: ***&sqrtEW Rating: Diameter of Small Piston, Inches: Area Small Piston - Sq Inches: Length of Hammer with Standard Base: Length of Hammer with McDermid Base: Diameter of opening in Standard base, Inches: Diameter of opening in McDermid base, Inches: Distance Between Jaws, Inches Width of Jaws, Inches *Largest Dimensions of Concrete Pile, Inches: Size of Wire Hoisting Rope, Inches: No. Parts of Hoisting Rope: Weight of Striking Parts, Lbs: Net Weight with Standard Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 70	Volume Free Air, Cu. Ft. Per Min Isothermal:	930
Boiler Horse Power, A.S.M.E. Rating: 70 **&sqrtEW Rating: 4666 Diameter of Small Piston, Inches: 6 1/2 Area Small Piston - Sq Inches: 33.18 Length of Hammer with Standard Base: 9' 8-1/8" Length of Hammer with McDermid Base: 9' 10-3/8" Diameter of opening in Standard base, Inches: 16 Diameter of opening in McDermid base, Inches: 12 Distance Between Jaws, Inches 19 Width of Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 3000 Net Weight with Standard Base, Lbs: 7036 Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	Equivalent Stroke, Ft:	2.42
**&sqrtEW Rating: Diameter of Small Piston, Inches: Area Small Piston - Sq Inches: Length of Hammer with Standard Base: Length of Hammer with McDermid Base: Diameter of opening in Standard base, Inches: Diameter of opening in McDermid base, Inches: Diameter of opening in McDermid base, Inches: Distance Between Jaws, Inches Width of Jaws, Inches *Largest Dimensions of Concrete Pile, Inches: No. of Sheaves: Size of Wire Hoisting Rope, Inches: No. Parts of Hoisting Rope: Weight of Striking Parts, Lbs: Net Weight with Standard Base, Lbs: Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	Boiler Horse Power, Nominal Rating:	40
Diameter of Small Piston, Inches: Area Small Piston - Sq Inches: Length of Hammer with Standard Base: Length of Hammer with McDermid Base: Diameter of opening in Standard base, Inches: Diameter of opening in McDermid base, Inches: Distance Between Jaws, Inches Width of Jaws, Inches *Largest Dimensions of Concrete Pile, Inches: No. of Sheaves: Size of Wire Hoisting Rope, Inches: No. Parts of Hoisting Rope: Weight of Striking Parts, Lbs: Net Weight with Standard Base, Lbs: Net Weight with McDermid Base, Lbs: Shipping Weight with Standard Base, Lbs: 7281	Boiler Horse Power, A.S.M.E. Rating:	70
Area Small Piston - Sq Inches: Length of Hammer with Standard Base: P' 8-1/8" Length of Hammer with McDermid Base: Diameter of opening in Standard base, Inches: Diameter of opening in McDermid base, Inches: Distance Between Jaws, Inches Width of Jaws, Inches *Largest Dimensions of Concrete Pile, Inches: No. of Sheaves: Size of Wire Hoisting Rope, Inches: No. Parts of Hoisting Rope: Weight of Striking Parts, Lbs: Net Weight with Standard Base, Lbs: Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs:	**&sqrtEW Rating:	4666
Length of Hammer with Standard Base: 9' 8-1/8" Length of Hammer with McDermid Base: 9' 10-3/8" Diameter of opening in Standard base, Inches: 16 Diameter of opening in McDermid base, Inches: 12 Distance Between Jaws, Inches 19 Width of Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 3000 Net Weight with Standard Base, Lbs: 7036 Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	Diameter of Small Piston, Inches:	6 1/2
Length of Hammer with McDermid Base: 9' 10-3/8" Diameter of opening in Standard base, Inches: 16 Diameter of opening in McDermid base, Inches: 12 Distance Between Jaws, Inches 19 Width of Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 3000 Net Weight with Standard Base, Lbs: 7036 Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	Area Small Piston - Sq Inches:	33.18
Diameter of opening in Standard base, Inches: 16 Diameter of opening in McDermid base, Inches: 12 Distance Between Jaws, Inches 19 Width of Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 3000 Net Weight with Standard Base, Lbs: 7036 Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	Length of Hammer with Standard Base:	9' 8-1/8"
Diameter of opening in McDermid base, Inches: 12 Distance Between Jaws, Inches 19 Width of Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 3000 Net Weight with Standard Base, Lbs: 7036 Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	Length of Hammer with McDermid Base:	9' 10-3/8"
Distance Between Jaws, Inches 19 Width of Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 3000 Net Weight with Standard Base, Lbs: 7036 Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	Diameter of opening in Standard base, Inches:	16
Width of Jaws, Inches 7-1/4" *Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 3000 Net Weight with Standard Base, Lbs: 7036 Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	Diameter of opening in McDermid base, Inches:	12
*Largest Dimensions of Concrete Pile, Inches: 15-1/5" No. of Sheaves: 1 Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 3000 Net Weight with Standard Base, Lbs: 7036 Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	Distance Between Jaws, Inches	19
No. of Sheaves: Size of Wire Hoisting Rope, Inches: No. Parts of Hoisting Rope: Weight of Striking Parts, Lbs: Net Weight with Standard Base, Lbs: Net Weight with McDermid Base, Lbs: Shipping Weight with Standard Base, Lbs: 7281	Width of Jaws, Inches	7-1/4"
Size of Wire Hoisting Rope, Inches: 5/8" No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 3000 Net Weight with Standard Base, Lbs: 7036 Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	*Largest Dimensions of Concrete Pile, Inches:	15-1/5"
No. Parts of Hoisting Rope: 2 Weight of Striking Parts, Lbs: 3000 Net Weight with Standard Base, Lbs: 7036 Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	No. of Sheaves:	1
Weight of Striking Parts, Lbs: 3000 Net Weight with Standard Base, Lbs: 7036 Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	Size of Wire Hoisting Rope, Inches:	5/8"
Net Weight with Standard Base, Lbs:7036Net Weight with McDermid Base, Lbs:7090Shipping Weight with Standard Base, Lbs:7281	No. Parts of Hoisting Rope:	2
Net Weight with McDermid Base, Lbs: 7090 Shipping Weight with Standard Base, Lbs: 7281	Weight of Striking Parts, Lbs:	3000
Shipping Weight with Standard Base, Lbs: 7281	Net Weight with Standard Base, Lbs:	7036
	Net Weight with McDermid Base, Lbs:	7090
Shipping weight with McDermid Base: 7335	Shipping Weight with Standard Base, Lbs:	7281
	Shipping weight with McDermid Base:	7335