Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 10/03/14

Main Frame ELEVATION: FRAME LINE 3 4 5

NOTE: TOP OF CRANE SEAT TO BE VERIFIED
CRANE RUNWAY BEAMS & BOLTS BY OTHERS

MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
MFC3	11.0/18.0	0.224	120.5	8 x 1/2" x 191.5	8 x 1/2" x 345.9
MFC14	18.0/25.0	0.224	120.5	8 x 1/2" x 37.6	
	25.0/31.0	0.224	104.3	8 x 3/8" x 127.2	
	31.0/31.0	0.313	32.4	6 x 5/16" x 45.4	
MFR5	31.0/31.0	0.224	120.5	6 x 5/16" x 105.3	6 x 3/8" x 114.8
	31.0/31.0	0.224	120.5	6 x 1/4" x 241.0	6 x 1/4" x 241.0
	31.0/31.0	0.224	114.8	6 x 3/8" x 120.5	6 x 1/2" x 120.5
	31.0/31.0	0.250	120.5		
MFR9	31.1/51.0	0.375	120.0	6 x 3/8" x 247.8	6 x 1/2" x 121.6
	51.0/31.9	0.375	103.8	6 x 5/16" x 120.5	6 x 1/2" x 129.9
	31.9/27.5	0.375	24.0	6 x 1/2" x 119.6	6 x 1/4" x 231.6
	27.5/27.5	0.250	120.5		
	27.5/27.5	0.224	119.6		
MFR10	27.5/27.5	0.224	119.9	6 x 1/2" x 119.9	6 x 1/4" x 231.6
	27.5/27.5	0.250	120.2	6 x 5/16" x 120.2	6 x 1/2" x 129.9
	27.5/31.9	0.375	24.0	6 x 3/8" x 247.8	6 x 1/2" x 121.6
	31.9/51.0	0.375	103.8		
	51.0/31.1	0.375	120.0		
MFR7	31.0/31.0	0.250	120.5	6 x 3/8" x 120.5	6 x 1/2" x 120.5
	31.0/31.0	0.224	114.8	6 x 1/4" x 241.0	6 x 1/4" x 241.0
	31.0/31.0	0.224	120.5	6 x 5/16" x 105.3	6 x 3/8" x 114.8
	31.0/31.0	0.224	120.5		
MFC4	31.0/31.0	0.313	32.4	6 x 5/16" x 45.4	8 x 1/2" x 345.9
	31.0/25.0	0.224	104.3	8 x 3/8" x 127.2	
	25.0/18.0	0.224	120.5	8 x 1/2" x 241.0	
	18.0/11.0	0.224	120.5		
MFI4L/R	W14X99				
MFI5L/R	W14X90				

FLANGE BRACE TABLE				
PARTMARK	LENGTH	PLACEMENT	QTY/FRAME	QTY/BLDG
2-FB1	3' 0-5/8	NS/FS	4	12
2-FB 2	3' 8-1/4	NS/FS	18	54
2-FB 3	4' 2-3/8	NS/FS	4	12
2-FB 4	4' 8-1/2	NS/FS	4	12
2-FB 5	4' 0-1/8	NS/FS	4	12
2-FB 6	3' 5-9/16	NS/FS	4	12
2-FB 7	3' 5-11/16	NS/FS	8	24

ALL FLANGE BRACING - L2X2X1/8

STATE OF MAINE
STEPHEN JON REIFENBERG
NO. 4763
LICENSED
PROFESSIONAL ENGINEER

9/12/14

ERECTION REQUIRES MINOR ADJUSTMENTS

ESSEX STRUCTURAL STEEL CO., INC.
CORTLAND, NEW YORK 13045

REVISIONS

PROJECT: CANAL LANDING
100 WEST COMMERCIAL STREET
PORTLAND, MAINE 04101

CONTRACTOR: IRISHSPAN INDUSTRIES

PROJECT NO.: S-1468

TITLE: FRAME CROSS SECTION

SHEET: 3B

DRAWN BY: JCK | DATE: 7/1/14 | SCALE: D.N.S.