



INTERMEDIATE DIAPHRAGM

MARK	(A)	(B)
D1	6'-6 $\frac{1}{4}$	5'-7 $\frac{3}{4}$
D2	6'-8 $\frac{13}{16}$	5'-10 $\frac{5}{16}$
D3	6'-10 $\frac{3}{16}$	5'-11 $\frac{11}{16}$
D4	6'-11 $\frac{5}{16}$	6'-0 $\frac{13}{16}$
D5	7'-0 $\frac{3}{8}$	6'-2 $\frac{1}{4}$
D6	7'-1 $\frac{7}{16}$	6'-3 $\frac{3}{8}$
D7	7'-2 $\frac{1}{8}$	6'-3 $\frac{5}{8}$
D8	7'-3 $\frac{1}{4}$	6'-4 $\frac{3}{4}$
D9	7'-4 $\frac{1}{16}$	6'-5 $\frac{15}{16}$
D10	7'-4 $\frac{11}{16}$	6'-6 $\frac{3}{16}$
D11	7'-5 $\frac{13}{16}$	6'-7 $\frac{5}{16}$
D12	7'-6 $\frac{1}{16}$	6'-7 $\frac{9}{16}$
D13	7'-7 $\frac{3}{16}$	6'-8 $\frac{11}{16}$

PAINT

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MARK	(A)	(B)
D14	7'-8 $\frac{5}{16}$	6'-9 $\frac{13}{16}$
D15	7'-8 $\frac{9}{16}$	6'-10 $\frac{1}{16}$
D16	7'-9 $\frac{3}{4}$	6'-11 $\frac{1}{4}$
D17	7'-9 $\frac{13}{16}$	6'-11 $\frac{5}{16}$
D18	7'-11 $\frac{1}{8}$	7'-0 $\frac{3}{8}$
D19	8'-0 $\frac{1}{4}$	7'-1 $\frac{1}{4}$
D20	8'-0 $\frac{1}{2}$	7'-2
D21	8'-1 $\frac{1}{8}$	7'-3 $\frac{1}{8}$
D22	8'-3 $\frac{1}{16}$	7'-4 $\frac{9}{16}$
D23	8'-4 $\frac{1}{16}$	7'-5 $\frac{1}{16}$
D24	8'-5 $\frac{3}{16}$	7'-7 $\frac{1}{16}$
D25	8'-8 $\frac{1}{8}$	7'-9 $\frac{3}{8}$

BILL OF MATERIALS				
NO.	MARK	DESCRIPTION	LENGTH	REMARKS
DIAPHRAGMS				
1	D1	W24 x 62	6 1 $\frac{3}{4}$	
1	D2	W24 x 62	6 4 $\frac{1}{2}$	
1	D3	W24 x 62	6 5 $\frac{1}{2}$	
1	D4	W24 x 62	6 6 $\frac{1}{4}$	
1	D5	W24 x 62	6 8 $\frac{1}{4}$	
1	D6	W24 x 62	6 9 $\frac{3}{8}$	
1	D7	W24 x 62	6 9 $\frac{5}{8}$	
1	D8	W24 x 62	6 10 $\frac{1}{4}$	
1	D9	W24 x 62	7 0	
1	D10	W24 x 62	7 0 $\frac{1}{4}$	
1	D11	W24 x 62	7 1 $\frac{1}{2}$	
1	D12	W24 x 62	7 1 $\frac{3}{8}$	
1	D13	W24 x 62	7 2 $\frac{1}{2}$	
1	D14	W24 x 62	7 3 $\frac{1}{8}$	
1	D15	W24 x 62	7 4 $\frac{1}{8}$	
1	D16	W24 x 62	7 5 $\frac{1}{4}$	
1	D17	W24 x 62	7 5 $\frac{1}{2}$	
1	D18	W24 x 62	7 6 $\frac{3}{8}$	
1	D19	W24 x 62	7 7 $\frac{1}{2}$	
1	D20	W24 x 62	7 8	
1	D21	W24 x 62	7 9 $\frac{1}{4}$	
1	D22	W24 x 62	7 10 $\frac{3}{8}$	
1	D23	W24 x 62	7 11 $\frac{1}{4}$	
1	D24	W24 x 62	8 1 $\frac{1}{8}$	
1	D25	W24 x 62	8 3 $\frac{3}{8}$	

SHOP DRAWING REVIEW
 REVIEWED FOR CONFORMANCE WITH CONTRACT AND SPECIFICATIONS BY ARCHITECT FOR CONSTRUCTION OF STRUCTURE OR DETAILS
 APPROVED
 APPROVED WITH RESERVATIONS
 NOT APPROVED
 DATE: 5-16-2016 BY: JCS

SHOP NOTE
 HOLES: $\frac{3}{8}$ "
 BOLTS: NONE
 PAINT: AS NOTED. SEE DWG. N1.
 FOR GENERAL SHOP NOTES, SEE DWG. N1.

NO.	REVISION
HIGH STEEL STRUCTURES, INC.	
DIAPHRAGMS	
U.S. ROUTE 7 OVER RAIL	
BRIDGE NO. 80	
TOWN OF WALLINGFORD, COUNTY	
STATE OF VERMONT	
AGENCY OF TRANSPORTATION	
STATE CONTRACT OR REF. NO.	PROJECT NO. BRS-0137(1)
CONTRACTOR	J. A. McDONALD, INC.
BY: <i>cbs</i>	MADE BY: <i>JCC</i> CHW
CONTRACT NUMBER: VT-95368	DRAWING NUMBER: