



**DIAPHRAGM**

INDSTR

MARK	(A)	(B)	(C)	(D)
D1	6'-6 <sup>3</sup> / <sub>4</sub>	5'-9 <sup>3</sup> / <sub>16</sub>	6'-2 <sup>3</sup> / <sub>16</sub>	5'-11 <sup>1</sup> / <sub>16</sub>
D2	6'-7 <sup>9</sup> / <sub>16</sub>	5'-10	6'-3	6'-0 <sup>1</sup> / <sub>2</sub>
D3	6'-8 <sup>3</sup> / <sub>8</sub>	5'-10 <sup>3</sup> / <sub>8</sub>	6'-3 <sup>3</sup> / <sub>16</sub>	6'-1 <sup>5</sup> / <sub>16</sub>
D4	6'-9 <sup>3</sup> / <sub>8</sub>	5'-11 <sup>5</sup> / <sub>8</sub>	6'-4 <sup>5</sup> / <sub>8</sub>	6'-2 <sup>3</sup> / <sub>8</sub>
D5	6'-9	5'-11 <sup>7</sup> / <sub>16</sub>	6'-4 <sup>7</sup> / <sub>16</sub>	6'-1 <sup>15</sup> / <sub>16</sub>
D6	6'-9 <sup>7</sup> / <sub>8</sub>	6'-0 <sup>5</sup> / <sub>16</sub>	6'-5 <sup>5</sup> / <sub>16</sub>	6'-2 <sup>13</sup> / <sub>16</sub>
D7	6'-10 <sup>3</sup> / <sub>8</sub>	6'-1 <sup>3</sup> / <sub>8</sub>	6'-6 <sup>3</sup> / <sub>16</sub>	6'-3 <sup>1</sup> / <sub>16</sub>
D8	6'-11 <sup>5</sup> / <sub>8</sub>	6'-2 <sup>1</sup> / <sub>16</sub>	6'-7 <sup>1</sup> / <sub>16</sub>	6'-4 <sup>9</sup> / <sub>16</sub>
D9	6'-11 <sup>5</sup> / <sub>8</sub>	6'-1 <sup>3</sup> / <sub>4</sub>	6'-6 <sup>3</sup> / <sub>4</sub>	6'-4 <sup>1</sup> / <sub>4</sub>
D10	7'-0 <sup>3</sup> / <sub>16</sub>	6'-2 <sup>5</sup> / <sub>8</sub>	6'-7 <sup>5</sup> / <sub>8</sub>	6'-5 <sup>3</sup> / <sub>8</sub>
D11	7'-1 <sup>1</sup> / <sub>8</sub>	6'-3 <sup>9</sup> / <sub>16</sub>	6'-8 <sup>9</sup> / <sub>16</sub>	6'-6 <sup>1</sup> / <sub>16</sub>
D12	7'-2	6'-4 <sup>7</sup> / <sub>16</sub>	6'-9 <sup>7</sup> / <sub>16</sub>	6'-6 <sup>15</sup> / <sub>16</sub>
D13	7'-1 <sup>9</sup> / <sub>16</sub>	6'-4	6'-9	6'-6 <sup>1</sup> / <sub>2</sub>
D14	7'-2 <sup>1</sup> / <sub>2</sub>	6'-4 <sup>15</sup> / <sub>16</sub>	6'-9 <sup>15</sup> / <sub>16</sub>	6'-7 <sup>7</sup> / <sub>16</sub>
D15	7'-3 <sup>1</sup> / <sub>2</sub>	6'-5 <sup>15</sup> / <sub>16</sub>	6'-10 <sup>15</sup> / <sub>16</sub>	6'-8 <sup>7</sup> / <sub>16</sub>
D16	7'-4 <sup>7</sup> / <sub>16</sub>	6'-6 <sup>7</sup> / <sub>8</sub>	6'-11 <sup>7</sup> / <sub>8</sub>	6'-9 <sup>3</sup> / <sub>8</sub>
D17	7'-3 <sup>3</sup> / <sub>8</sub>	6'-6 <sup>5</sup> / <sub>16</sub>	6'-11 <sup>5</sup> / <sub>16</sub>	6'-8 <sup>13</sup> / <sub>16</sub>
D18	7'-4 <sup>13</sup> / <sub>16</sub>	6'-7 <sup>1</sup> / <sub>4</sub>	7'-0 <sup>1</sup> / <sub>4</sub>	6'-9 <sup>3</sup> / <sub>4</sub>
D19	7'-5 <sup>7</sup> / <sub>8</sub>	6'-8 <sup>5</sup> / <sub>16</sub>	7'-1 <sup>5</sup> / <sub>16</sub>	6'-10 <sup>13</sup> / <sub>16</sub>
D20	7'-6 <sup>7</sup> / <sub>8</sub>	6'-9 <sup>5</sup> / <sub>16</sub>	7'-2 <sup>5</sup> / <sub>16</sub>	6'-11 <sup>13</sup> / <sub>16</sub>

SHIP MARK	BILL OF MATERIAL				WORK ORDER NO.	DRAWING NO.	REV.
	NO.	MARK	SHAPE	LENGTH	15717	40-1	
ONE	D1	W27 x 84	6	2 <sup>3</sup> / <sub>16</sub>	522	2	519
ONE	D2	W27 x 84	6	3	2	13	525
ONE	D3	W27 x 84	6	3 <sup>13</sup> / <sub>16</sub>	2	13	531
ONE	D4	W27 x 84	6	4 <sup>5</sup> / <sub>8</sub>	2	14	536
ONE	D5	W27 x 84	6	4 <sup>7</sup> / <sub>16</sub>	2	13	535
ONE	D6	W27 x 84	6	5 <sup>5</sup> / <sub>16</sub>	2	14	541
ONE	D7	W27 x 84	6	6 <sup>3</sup> / <sub>16</sub>	2	14	547
ONE	D8	W27 x 84	6	7 <sup>1</sup> / <sub>16</sub>	2	15	553
ONE	D9	W27 x 84	6	6 <sup>3</sup> / <sub>4</sub>	2	14	551
ONE	D10	W27 x 84	6	7 <sup>5</sup> / <sub>8</sub>	2	15	557
ONE	D11	W27 x 84	6	8 <sup>9</sup> / <sub>16</sub>	2	15	564
ONE	D12	W27 x 84	6	9 <sup>7</sup> / <sub>16</sub>	2	16	570
ONE	D13	W27 x 84	6	9	2	16	567
ONE	D14	W27 x 84	6	9 <sup>15</sup> / <sub>16</sub>	2	16	574
ONE	D15	W27 x 84	6	10 <sup>15</sup> / <sub>16</sub>	2	17	581
ONE	D16	W27 x 84	6	11 <sup>7</sup> / <sub>8</sub>	2	17	587
ONE	D17	W27 x 84	6	11 <sup>5</sup> / <sub>16</sub>	2	17	583
ONE	D18	W27 x 84	7	0 <sup>1</sup> / <sub>4</sub>	2	17	590
ONE	D19	W27 x 84	7	1 <sup>5</sup> / <sub>16</sub>	3	1	597
ONE	D20	W27 x 84	7	2 <sup>5</sup> / <sub>16</sub>	3	1	604

11212#

STEEL: ASTM  A36  A572 GR.  A709 GR. 50W  Unless Noted

WELDING ELECTRODE:  E70  See Welding Proc.  None

HOLES:  13/16  15/16  1-1/16  Unless Noted  As Noted  None

PAINT:  None  Shop Coat  Galv. After Fab.  Unless Noted

SPECIAL PAINT: NONE

SPECIAL CLEAN NG:  Blast Clean SSPC SP10  None

ITEM NO. 506.55 BRIDGE NO. 6 PROJ. NO. BRS 0187 (6)

TITLE: INTERMEDIATE DIAPHRAGMS

APPROVED: 11-25-90

PRINT DIST.

ORIG 12-2-96 APPR. 10/19/96 FAB. 6-2-97

ORIG 6-2-97

**NE** National Eastern Corporation  
Plainville, Connecticut

JOB: VT ROUTE 12A OVER 3RD BRANCH OF THE WHITE RIVER BRAINTREE, VERMONT

CUSTOMER: MILLER CONSTRUCTION, INC.

DESIGNER: VERMONT AGENCY OF TRANSPORTATION

WORK ORDER NO. 15717 DRAWING NO. 40-1 REV.

CHECKED 10/96 ASD DRAWN 10/96 CSD