# FIELD BOLTS

SPECIFICATIONS:

| CONNECTION | LENGTH |
|---|---|
| LENGTH | |
| SUBTOTAL ADD 2% | |
| TOTAL | |
| ITEM NO. | |
| WEIGHT | |

| NUTS & WASHERS | NUTS | PLAIN WASHERS | BEVELED WASHERS |
|---|---|---|---|
| QTY. & ITEM NO. | | | |
| WEIGHT | | | |

# FIELD BOLTS

| CONNECTION | LENGTH |
|---|---|
| LENGTH | |
| SUBTOTAL ADD 2% | |
| TOTAL | |
| ITEM NO. | |
| WEIGHT | |

| NUTS & WASHERS | NUTS | PLAIN WASHERS | BEVELED WASHERS |
|---|---|---|---|
| QTY. & ITEM NO. | | | |
| WEIGHT | | | |

# FIELD BOLTS

SPECIFICATIONS: $\frac{7}{8}\phi$ ASTM A325–TYPE 1 HS BOLTS, WASHERS F436–1, & A563 GRADE DH HVY HEX NUTS – GALV B695–50

| CONNECTION | LENGTH $2\frac{3}{4}$ |
|---|---|
| END CROSS FRAMES – ABUT # 1 | 120 |
| LENGTH | $2\frac{3}{4}$ |
| SUBTOTAL ADD 2% MIN 10 | 120<br>10 |
| TOTAL | 130 |
| ITEM NO. | 3/11 |
| WEIGHT | 89 |

| NUTS & WASHERS | NUTS | PLAIN WASHERS | BEVELED WASHERS |
|---|---|---|---|
| QTY. & ITEM NO. | 130 3/12 | 130 3/13 | |
| WEIGHT | 39 | 9 | |

# FIELD BOLTS

WORK ORDER NO. 15713
DWG. NO. 99–1 △1

SPECIFICATIONS: $\frac{7}{8}\phi$ ASTM A325–TYPE 3 HS BOLTS, WASHERS F436–3, & A563 GRADE C3 HVY HEX NUTS

| CONNECTION | LENGTH $2\frac{1}{2}$ | $2\frac{3}{4}$ | $3\frac{1}{4}$ | $3\frac{3}{4}$ | 2 |
|---|---|---|---|---|---|
| FLANGE SPLICE | | | | 672 | |
| WEB SPLICE | | | 1008 | | |
| END CROSS FRAMES – ABUT # 2 | | 120 | | | |
| INTERMEDIATE CROSS FRAMES | 1440 | | | | |
| PIER CROSS FRAMES | | 120 | | | |
| △1 FLEMMING BKTS | | | | | 292 |
| △1 | | | | | |
| LENGTH | $2\frac{1}{2}$ | $2\frac{3}{4}$ | $3\frac{1}{4}$ | $3\frac{3}{4}$ | 2 |
| SUBTOTAL<br>ADD 2% MIN 10 | 1440<br>28 | 240<br>10 | 1008<br>20 | 672<br>13 | 292<br>10 |
| TOTAL | 1468 | 250 | 1028 | 685 | 302 |
| ITEM NO. | 3/3 | 3/4 | 3/5 | 3/8 | 3/13 |
| WEIGHT | 942 | 171 | 787 | 581 | 171 |

| NUTS & WASHERS | NUTS | PLAIN WASHERS | BEVELED WASHERS |
|---|---|---|---|
| QTY. & ITEM NO. △1 | 3733 3/7 | 3733 3/8 | |
| WEIGHT △1 | 1109 | 265 | |

△1 TOTAL SHEET WEIGHT 4074 lbs

PROOF LOAD TEST
ROTATIONAL CAPACITY TEST

△1 ADD FLEMMING BKT BOLTS 3-6-97 JCM

ITEM NO. 506.55 | BR. NO. 44 | PROJ. NO. BRS–RS 0113 (8)

TITLE: FIELD BOLTS

APPROVED:

| PRINT DIST. | | |
|---|---|---|
| 5 | 10-14-96 | APPR. |
| 0216 | 12-3-96 | FAB. |
| 5 | 11-18-96 | APP |
| 0216 | 4-3-97 | VHT |

National Eastern Corporation
Plainville, Connecticut

JOB: U.S. ROUTE 5 OVER BLACK RIVER
SPRINGFIELD, VERMONT

CUSTOMER: WINTERSETT, INC.

DESIGNER: VERMONT AGENCY OF TRANSPORTATION

| | | | WORK ORDER NO. | DRAWING NO. | REV. |
|---|---|---|---|---|---|
| CHECKED | 10/96 | CSD | 15713 | 99–1 | 1 |
| DRAWN | 10/96 | CSD | | | |