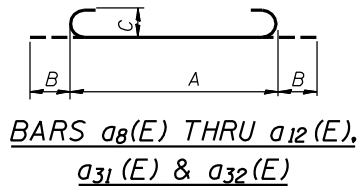


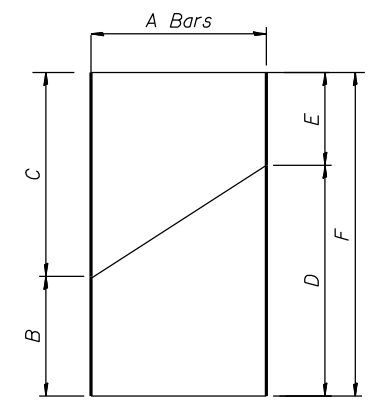
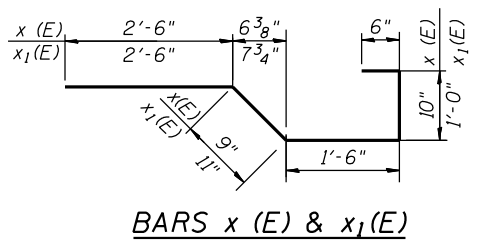
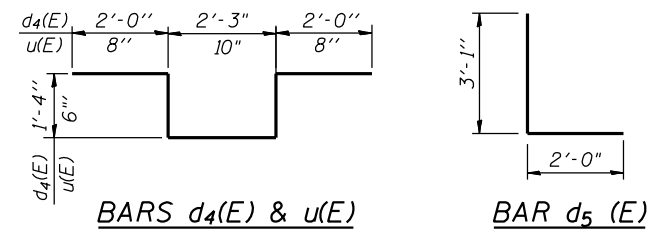
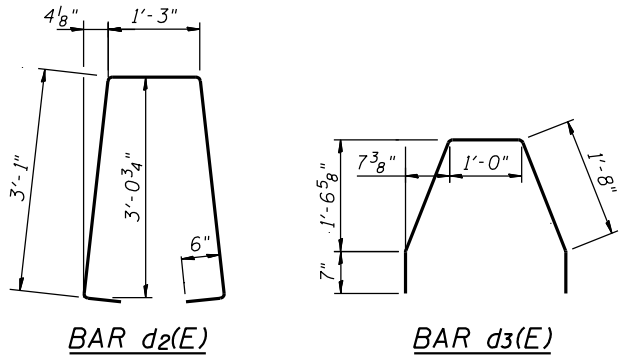
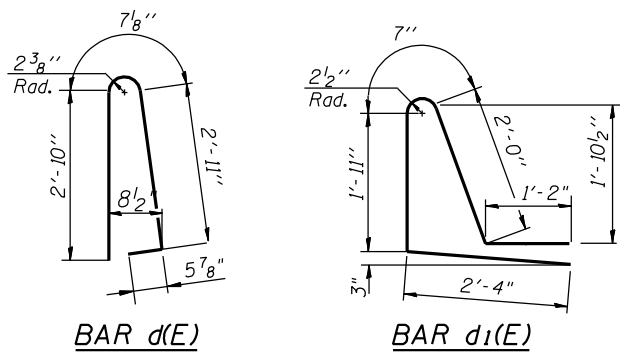
**DIMENSIONS FOR BAR CUTTING DIAGRAM**

| Bar    | A  | B       | C       | D       | E       | F       |
|--------|----|---------|---------|---------|---------|---------|
| a13(E) | 22 | 3'-6"   | 46'-9"  | 46'-9"  | 3'-6"   | 50'-3"  |
| a15(E) | 28 | 3'-9"   | 47'-0"  | 47'-0"  | 3'-9"   | 50'-9"  |
| a16(E) | 3  | 1'-10"  | 30'-3"  | 19'-2"  | 22'-11" | 42'-1"  |
| a18(E) | 2  | 25'-6"  | 20'-9"  | 30'-3"  | 16'-1"  | 46'-3"  |
| a19(E) | 6  | 28'-3"  | 4'-8"   | 4'-8"   | 28'-3"  | 32'-11" |
| a20(E) | 8  | 28'-3"  | 2'-7"   | 2'-7"   | 28'-3"  | 30'-10" |
| a21(E) | 4  | 15'-4"  | 4'-4"   | 4'-4"   | 15'-4"  | 19'-8"  |
| a22(E) | 3  | 15'-4"  | 4'-4"   | 4'-4"   | 15'-4"  | 19'-8"  |
| a25(E) | 4  | 28'-10" | 3'-1"   | 17'-10" | 14'-1"  | 31'-11" |
| a26(E) | 3  | 29'-5"  | 5'-8"   | 20'-0"  | 15'-1"  | 35'-1"  |
| a27(E) | 18 | 31'-5"  | 4'-3"   | 4'-3"   | 31'-5"  | 35'-8"  |
| a28(E) | 14 | 31'-5"  | 4'-8"   | 4'-8"   | 31'-5"  | 36'-1"  |
| a29(E) | 10 | 17'-11" | 3'-6"   | 3'-6"   | 17'-11" | 21'-5"  |
| a30(E) | 8  | 17'-11" | 5'-1"   | 5'-1"   | 17'-11" | 23'-0"  |
| a43(E) | 4  | 21'-3"  | 4'-1"   | 13'-3"  | 12'-1"  | 25'-4"  |
| a44(E) | 4  | 21'-7"  | 3'-11"  | 13'-6"  | 12'-0"  | 25'-6"  |
| a46(E) | 9  | 17'-0"  | 18'-8"  | 4'-3"   | 31'-5"  | 35'-8"  |
| a47(E) | 7  | 17'-0"  | 19'-1"  | 4'-8"   | 31'-5"  | 36'-1"  |
| a48(E) | 8  | 28'-10" | 6'-9"   | 6'-9"   | 28'-10" | 35'-7"  |
| a49(E) | 6  | 27'-10" | 4'-3"   | 4'-3"   | 27'-10" | 32'-1"  |
| a50(E) | 14 | 26'-2"  | 24'-7"  | 47'-0"  | 3'-9"   | 50'-9"  |
| a51(E) | 11 | 26'-2"  | 24'-1"  | 46'-9"  | 3'-6"   | 50'-3"  |
| b11(E) | 7  | 18'-4"  | 11'-8"  | 15'-2"  | 15'-2"  | 30'-0"  |
| b12(E) | 6  | 18'-10" | 12'-2"  | 15'-10" | 15'-2"  | 31'-0"  |
| b13(E) | 9  | 25'-4"  | 19'-2"  | 22'-5"  | 22'-1"  | 44'-6"  |
| b14(E) | 8  | 19'-10" | 25'-4"  | 22'-5"  | 22'-9"  | 45'-2"  |
| b15(E) | 7  | 20'-0"  | 12'-1"  | 16'-3"  | 15'-10" | 32'-1"  |
| b16(E) | 7  | 19'-8"  | 11'-11" | 16'-1"  | 15'-6"  | 31'-7"  |
| b17(E) | 9  | 6'-11"  | 7'-3"   | 4'-0"   | 10'-2"  | 14'-2"  |
| b18(E) | 9  | 11'-6"  | 8'-9"   | 10'-2"  | 10'-1"  | 20'-3"  |
| b19(E) | 15 | 17'-11" | 7'-3"   | 12'-9"  | 12'-5"  | 25'-2"  |
| b20(E) | 15 | 19'-6"  | 14'-10" | 17'-3"  | 17'-1"  | 34'-4"  |
| b21(E) | 5  | 10'-8"  | 10'-4"  | 12'-2"  | 8'-10"  | 21'-0"  |
| b22(E) | 12 | 17'-6"  | 17'-2"  | 22'-3"  | 12'-5"  | 34'-8"  |
| b23(E) | 4  | 24'-5"  | 24'-1"  | 25'-10" | 22'-8"  | 48'-6"  |
| b24(E) | 5  | 4'-8"   | 6'-2"   | 5'-4"   | 5'-6"   | 10'-10" |
| b25(E) | 12 | 6'-3"   | 10'-7"  | 8'-4"   | 8'-6"   | 16'-10" |
| b26(E) | 4  | 10'-8"  | 12'-2"  | 11'-4"  | 11'-6"  | 22'-10" |



**BAR DIMENSIONS**

| Bar    | A      | B   | C  |
|--------|--------|-----|----|
| a8(E)  | 10'-3" | 10" | 7" |
| a9(E)  | 7'-9"  | 8"  | 6" |
| a10(E) | 7'-3"  | 7"  | 5" |
| a11(E) | 6'-9"  | 7"  | 5" |
| a12(E) | 6'-10" | 7"  | 5" |
| a31(E) | 7'-4"  | 8"  | 6" |
| a32(E) | 2'-5"  | 7"  | 5" |



Order bars full length and cut to fit as shown.

**SUPERSTRUCTURE BILL OF MATERIAL**

| Bar                              | No.    |        |        |       | Size     | Length  | Shape |
|----------------------------------|--------|--------|--------|-------|----------|---------|-------|
|                                  | Unit 1 | Unit 2 | Unit 3 | Total |          |         |       |
| a                                | 457    | 77     | 501    | 1035  | #5       | 47'-8"  | —     |
| a1(E)                            | 548    | 55     | 504    | 1107  | #6       | 6'-6"   | —     |
| a2(E)                            | 10     | -      | -      | 10    | #7       | 29'-2"  | —     |
| a3(E)                            | 30     | 20     | -      | 50    | #6       | 27'-3"  | —     |
| a4(E)                            | -      | 5      | 5      | 10    | #5       | 48'-2"  | —     |
| a5(E)                            | -      | 5      | 10     | 15    | #5       | 32'-0"  | —     |
| a6(E)                            | -      | 15     | 24     | 39    | #5       | 19'-3"  | —     |
| a7(E)                            | -      | -      | 5      | 5     | #5       | 36'-0"  | —     |
| a8(E)                            | 3      | -      | -      | 3     | #7       | 11'-11" | —     |
| a9(E)                            | 9      | 6      | -      | 15    | #6       | 9'-1"   | —     |
| a10(E)                           | 60     | 36     | 6      | 102   | #5       | 8'-5"   | —     |
| a11(E)                           | -      | 3      | 6      | 9     | #5       | 7'-11"  | —     |
| a12(E)                           | -      | 24     | 48     | 72    | #5       | 8'-0"   | —     |
| a13(E)                           | 22     | -      | -      | 22    | #5       | 50'-3"  | —     |
| a14(E)                           | 356    | 60     | 390    | 806   | #5       | 47'-3"  | —     |
| a15(E)                           | 28     | -      | -      | 28    | #5       | 50'-9"  | —     |
| a16(E)                           | -      | 3      | -      | 3     | #5       | 42'-1"  | —     |
| a18(E)                           | -      | 2      | -      | 2     | #5       | 46'-3"  | —     |
| a19(E)                           | -      | -      | 6      | 6     | #5       | 32'-11" | —     |
| a20(E)                           | -      | -      | 8      | 8     | #5       | 30'-10" | —     |
| a21(E)                           | -      | 2      | 2      | 4     | #5       | 19'-8"  | —     |
| a22(E)                           | -      | 2      | 2      | 4     | #5       | 19'-8"  | —     |
| a23(E)                           | 468    | -      | 492    | 960   | #5       | 31'-7"  | —     |
| a24(E)                           | 364    | 24     | 383    | 771   | #5       | 31'-9"  | —     |
| a25(E)                           | -      | 4      | -      | 4     | #5       | 31'-11" | —     |
| a26(E)                           | -      | 3      | -      | 3     | #5       | 35'-1"  | —     |
| a27(E)                           | 18     | -      | -      | 18    | #5       | 35'-8"  | —     |
| a28(E)                           | 14     | -      | -      | 14    | #5       | 36'-1"  | —     |
| a29(E)                           | 5      | 5      | -      | 10    | #5       | 21'-5"  | —     |
| a30(E)                           | 4      | 4      | -      | 8     | #5       | 23'-0"  | —     |
| a31(E)                           | -      | 3      | 6      | 9     | #6       | 8'-8"   | —     |
| a32(E)                           | -      | -      | 6      | 6     | #5       | 3'-7"   | —     |
| a33(E)                           | 309    | -      | -      | 309   | #5       | 21'-2"  | —     |
| a34(E)                           | 232    | -      | -      | 232   | #5       | 20'-4"  | —     |
| a35(E)                           | 293    | -      | -      | 293   | #5       | 21'-7"  | —     |
| a36(E)                           | 209    | -      | -      | 209   | #5       | 21'-4"  | —     |
| a37(E)                           | -      | -      | 165    | 165   | #5       | 19'-3"  | —     |
| a38(E)                           | -      | -      | 128    | 128   | #5       | 19'-0"  | —     |
| a39(E)                           | -      | -      | 168    | 168   | #5       | 15'-3"  | —     |
| a40(E)                           | -      | -      | 130    | 130   | #5       | 15'-0"  | —     |
| a41(E)                           | -      | -      | 170    | 170   | #5       | 7'-3"   | —     |
| a42(E)                           | -      | -      | 132    | 132   | #5       | 7'-0"   | —     |
| a43(E)                           | 4      | -      | -      | 4     | #5       | 25'-4"  | —     |
| a44(E)                           | 4      | -      | -      | 4     | #5       | 25'-6"  | —     |
| a45(E)                           | 40     | 8      | 40     | 88    | #5       | 2'-0"   | —     |
| a46(E)                           | -      | 9      | -      | 9     | #5       | 35'-8"  | —     |
| a47(E)                           | -      | 7      | -      | 7     | #5       | 36'-1"  | —     |
| a48(E)                           | -      | -      | 8      | 8     | #5       | 35'-7"  | —     |
| a49(E)                           | -      | -      | 6      | 6     | #5       | 32'-1"  | —     |
| a50(E)                           | -      | 14     | -      | 14    | #5       | 50'-9"  | —     |
| a51(E)                           | -      | 11     | -      | 11    | #5       | 50'-3"  | —     |
| b(E)                             | 1138   | -      | -      | 1138  | #5       | 28'-10" | —     |
| b1(E)                            | 99     | -      | -      | 99    | #6       | 41'-7"  | —     |
| b2(E)                            | 1032   | -      | -      | 1032  | #5       | 26'-8"  | —     |
| b3(E)                            | 198    | -      | -      | 198   | #6       | 42'-1"  | —     |
| b4(E)                            | -      | -      | 816    | 816   | #5       | 27'-9"  | —     |
| b5(E)                            | -      | -      | 891    | 891   | #5       | 29'-11" | —     |
| b6(E)                            | -      | -      | 182    | 182   | #6       | 33'-5"  | —     |
| b7(E)                            | -      | -      | 184    | 184   | #6       | 35'-2"  | —     |
| b8(E)                            | -      | -      | 165    | 165   | #5       | 30'-2"  | —     |
| b9(E)                            | -      | -      | 152    | 152   | #5       | 27'-11" | —     |
| b10(E)                           | -      | 90     | -      | 90    | #5       | 34'-4"  | —     |
| b11(E)                           | -      | 7      | -      | 7     | #5       | 33'-4"  | —     |
| b12(E)                           | -      | 6      | -      | 6     | #5       | 33'-4"  | —     |
| b13(E)                           | -      | 9      | -      | 9     | #5       | 45'-2"  | —     |
| b14(E)                           | -      | 8      | -      | 8     | #5       | 45'-2"  | —     |
| b15(E)                           | -      | 7      | -      | 7     | #5       | 18'-4"  | —     |
| b16(E)                           | -      | 7      | -      | 7     | #5       | 18'-4"  | —     |
| b17(E)                           | -      | 9      | -      | 9     | #5       | 14'-2"  | —     |
| b18(E)                           | -      | 9      | -      | 9     | #5       | 20'-3"  | —     |
| d(E)                             | 2820   | -      | 2960   | 5780  | #4       | 3'-2"   | —     |
| x(E)                             | 94     | -      | 78     | 172   | #5       | 6'-1"   | —     |
| x1(E)                            | 92     | 184    | 92     | 368   | #5       | 6'-5"   | —     |
| Reinforcement Bars, Epoxy Coated |        |        |        |       | Pound    | 451,480 |       |
| Concrete Superstructure          |        |        |        |       | Cu. Yds. | 1,898.6 |       |

| Bar    | No.    |        |        |       | Size | Length  | Shape |
|--------|--------|--------|--------|-------|------|---------|-------|
|        | Unit 1 | Unit 2 | Unit 3 | Total |      |         |       |
| b19(E) | -      | 15     | -      | 15    | #5   | 25'-2"  | —     |
| b20(E) | -      | 15     | -      | 15    | #5   | 34'-4"  | —     |
| b21(E) | -      | 5      | -      | 5     | #5   | 21'-0"  | —     |
| b22(E) | -      | 12     | -      | 12    | #5   | 34'-8"  | —     |
| b23(E) | -      | 4      | -      | 4     | #5   | 48'-6"  | —     |
| b24(E) | -      | 5      | -      | 5     | #5   | 10'-10" | —     |
| b25(E) | -      | 12     | -      | 12    | #5   | 16'-10" | —     |
| b26(E) | -      | 4      | -      | 4     | #5   | 22'-10" | —     |
| b30(E) | 220    | -      | -      | 220   | #4   | 27'-8"  | —     |
| b31(E) | -      | -      | 240    | 240   | #4   | 26'-6"  | —     |
| d      | 618    | 73     | 650    | 1341  | #5   | 6'-10"  | —     |
| d1(E)  | 618    | 73     | 650    | 1341  | #5   | 8'-0"   | —     |
| d2(E)  | 309    | 38     | 324    | 671   | #5   | 8'-5"   | —     |
| d3(E)  | 309    | 38     | 324    | 671   | #5   | 5'-6"   | —     |
| d4(E)  | 12     | -      | 12     | 24    | #6   | 8'-11"  | —     |
| d5(E)  | 6      | -      | 6      | 12    | #6   | 5'-1"   | —     |
| e      | 21     | -      | -      | 21    | #4   | 17'-6"  | —     |
| e1(E)  | 2      | -      | -      | 2     | #8   | 30'-5"  | —     |
| e2(E)  | 2      | -      | -      | 2     | #4   | 28'-1"  | —     |
| e3(E)  | 108    | -      | -      | 108   | #4   | 9'-5"   | —     |
| e4(E)  | 16     | -      | -      | 16    | #8   | 9'-5"   | —     |
| e5(E)  | 96     | -      | -      | 96    | #4   | 19'-3"  | —     |
| e6(E)  | 42     | -      | -      | 42    | #4   | 19'-2"  | —     |
| e7(E)  | 16     | -      | -      | 16    | #8   | 33'-0"  | —     |
| e8(E)  | 16     | -      | -      | 16    | #4   | 30'-7"  | —     |
| e9(E)  | 54     | -      | -      | 54    | #4   | 9'-10"  | —     |
| e10(E) | 8      | -      | -      | 8     | #8   | 9'-10"  | —     |
| e11(E) | 48     | -      | -      | 48    | #4   | 17'-7"  | —     |
| e12(E) | 69     | -      | -      | 69    | #4   | 17'-5"  | —     |
| e13(E) | 14     | -      | -      | 14    | #8   | 30'-6"  | —     |
| e14(E) | 14     | -      | -      | 14    | #4   | 28'-1"  | —     |
| e15(E) | -      | 8      | -      | 8     | #4   | 10'-0"  | —     |
| e16(E) | -      | 1      | -      | 1     | #8   | 10'-0"  | —     |
| e17(E) | -      | 18     | -      | 18    | #4   | 17'-0"  | —     |
| e18(E) | -      | 2      | -      | 2     | #8   | 34'-3"  | —     |
| e19(E) | -      | 2      | -      | 2     | #4   | 34'-3"  | —     |
| e20(E) | -      | 21     | -      | 21    | #4   | 18'-5"  | —     |
| e21(E) | -      | 2      | -      | 2     | #8   | 31'-10" | —     |
| e22(E) | -      | 2      | -      | 2     | #4   | 29'-6"  | —     |
| e23(E) | -      | -      | 138    | 138   | #4   | 13'-10" | —     |
| e24(E) | -      | -      | 10     | 10    | #8   | 25'-4"  | —     |
| e25(E) | -      | -      | 10     | 10    | #4   | 23'-0"  | —     |
| e26(E) | -      | -      | 16     | 16    | #8   | 7'-7"   | —     |
| e27(E) | -      | -      | 108    | 108   | #4   | 7'-7"   | —     |
| e28(E) | -      | -      | 4      | 4     | #8   | 28'-4"  | —     |
| e29(E) | -      | -      | 4      | 4     | #4   | 26'-0"  | —     |
| e30(E) | -      | -      | 42     | 42    | #4   | 16'-1"  | —     |
| e31(E) | -      | -      | 16     | 16    | #8   | 8'-0"   | —     |
| e32(E) | -      | -      | 108    | 108   | #4   | 8'-0"   | —     |
| e33(E) | -      | -      | 14     | 14    | #8   | 28'-1"  | —     |
| e34(E) | -      | -      | 14     | 14    | #4   | 25'-9"  | —     |
| e35(E) | -      | -      | 117    | 117   | #4   | 16'-0"  | —     |
| e36(E) | -      | -      | 48     | 48    | #4   | 15'-10" | —     |
| e37(E) | -      | -      | 6      | 6     | #8   | 27'-10" | —     |
| e38(E) | -      | -      | 6      | 6     | #4   | 27'-0"  | —     |
| e39(E) | -      | -      | 6      | 6     | #4   | 22'-8"  | —     |
| e40(E) | -      | -      | 6      | 6     | #8   | 25'-0"  | —     |

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

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|                          |                              |           |
|--------------------------|------------------------------|-----------|
| USER NAME =              | DESIGNED - R.K.-Z. 6/15/2012 | REVISED - |
| CHECKED - J.Z. 6/15/2012 | REVISED -                    |           |
| PLOT SCALE =             | DRAWN - R.K.-Z. 6/15/2012    | REVISED - |
| PLOT DATE =              | CHECKED - J.J.G. 6/15/2012   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS III  
STRUCTURE NO. 045-0039**

SHEET NO. S36 OF 116 SHEETS