

| SPAN | GIRDER | SOUTH END DATA | | | NORTH END DATA | | | GIRDER DIMENSIONS | | | | | | WEB PLATE | FLANGE PLATES | | | | | | CAMBER | SHEAR CONNECTOR SPACINGS | | | | INTERIOR WEB STIFFENER SPACINGS | | | GIRDER | | | |
|------|--------|----------------|-----------|--------------|----------------|-----------|-------------|-------------------|--------|-------|-------------|----------------|----------------|-----------|---------------|----------|----------|----------|----------|-----------|----------|--------------------------|---------|------------|--------|---------------------------------|-------|-------------|-----------|-------|------|------|
| | | S | ELEVATION | ANGLE | N | ELEVATION | ANGLE | LENGTH % BRGS. | A | B | C | Δ (1) CONCRETE | Δ (2) CONCRETE | | 1 | 2 | 3 | 4 | 5 | 6 | | a | b | c | d | e | f | g | | | | |
| | GL-9 | 6'-7 5/8" | 69.94 | 106°-59'-29" | 6'-11 1/4" | 67.96 | 92°-34'-17" | 80'-2 1/2" | 23'-0" | - | 24'-2 1/2" | .068' | .067' | 60"x3/8" | 14"x3/4" | 14"x3/4" | - | - | 14"x3/4" | 16"x3/4" | 2 3/8" | 8 1/4" | - | 11x17" | 24x24" | 2'-9 1/4" | 4x52" | 8x60" | GL-9 | | | |
| | GL-8 | " | 69.14 | 106-35-22 | " | 67.67 | 92-10-10 | 81-10 1/8 | 13-3 | 3'-7" | 26-2 1/8 | .067 | .066 | " | " | " | 14"x3/4" | 14"x3/4" | 14"x3/4" | 16"x3/4" | 2 3/8" | 8 1/4" | - | 11x17" | 24x24" | 2'-7-1/16" | 4x52" | 8x60" | GL-8 | | | |
| | GL-7 | " | 68.95 | 106-12-11 | " | 67.38 | 91-46-39 | 83-5 3/4 | " | " | 26-9 3/4 | " | " | " | " | " | 14"x3/4" | 14"x3/4" | 14"x3/4" | 16"x3/4" | 2 3/8" | 8 7/8" | - | 13x17" | 24x24" | 1-10 7/8" | 4x52" | 8x60" | GL-7 | | | |
| | GL-6 | 6'-7 5/8" | 68.75 | 105-49-53 | 6'-11 1/4" | 67.07 | 91-24-41 | 85-1 3/8 | " | " | 26-5 3/8 | " | " | " | " | " | 14"x3/4" | 14"x3/4" | 14"x3/4" | 16"x3/4" | 2 3/8" | 8 11/16" | - | 13x17" | 24x24" | 2-8 11/16" | 4x52" | 8x60" | GL-6 | | | |
| | GL-5 | 6'-2 9/16" | 68.55 | 105-28-24 | 4'-0" | 66.78 | 91-03-12 | 84-9 1/8 | 13-8 | 3-7 | 26-1 1/8 | .063 | .061 | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x3/4 | 14x3/4 | 18x1 | 2 1/2" | 9 9/16" | 10x18" | 2x21 | 24x24 | 2-10 9/16" | 2x52 | 11x60 | GL-5 | | | |
| | GL-4 | 6'-2 9/16" | 68.44 | 105-33-08 | 7'-11" | 66.61 | 91-07-56 | 87-8 15/16 | 10-7 | 7-9 | 26-1 15/16 | .068 | .068 | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x3/4 | 14x3/4 | 18x1 1/8 | " | 9-8 | 10x14 | 9x18 | 18x24 | 1-11 | 6x58 | 7x60 | GL-4 | | | |
| | GL-3 | " | 68.21 | " | " | 66.28 | " | 89-10 1/2 | 10-2 | 8-4 | 22-10 1/2 | .061 | .063 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x3/4 | 2 7/8" | 9 1/4" | 9x16 | 9x18 | 21x24 | 2-5 1/4" | 5x58 | 8x60 | GL-3 | | | |
| | GL-2 | 6'-2 9/16" | 67.97 | " | " | 65.93 | " | 91-11 | " | " | 24-11 | " | " | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x3/4 | " | 8 1/2" | " | " | 22x24 | 3-5 1/2" | " | " | GL-2 | | | |
| 1 | GL-1 | 6'-2 9/16" | 67.75 | " | 7'-11" | 65.62 | " | 93-11 9/16 | 14-0 | 5-4 | 25-3 9/16 | .112 | .129 | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x7/8 | 14x3/4 | 18x1 | 3 1/4" | 11 1/16" | - | - | 4x24 | 1-11 3/4" | - | 10x60 | GL-1 | | | |
| | GR-1 | 6'-2 9/16" | 67.78 | 105-33-08 | 7'-11" | 65.62 | 91-07-56 | 95-2 1/16 | 13-4 | 5-7 | 27-4 1/16 | .113 | .130 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x7/8 | " | 7 | - | - | 4x24 | 1-10 | 3x53 | 13x60 | GR-1 | | | |
| | GR-2 | " | 67.62 | 105-33-09 | " | 65.27 | 91-07-57 | 97-2 5/8 | 9-10 | 9-7 | 28-4 5/8 | .081 | .105 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/4 | 14x7/8 | 18x1 1/2" | 3 | 10 5/16" | 9x14 | 9x18 | 23x24 | 2-7 5/8" | 6x47 | 9x60 | GR-2 | |
| | GR-3 | " | 67.28 | " | " | 64.91 | " | 99-3 3/16 | 9-0 | 3-9 | 31-9 3/16 | .085 | .108 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/4 | 14x7/8 | 18x1 1/2" | 3 1/8" | 7 5/8" | " | 9x18 | 25x24 | 1-1 5/8" | " | 10x60 | GR-3 | |
| | GR-4 | 6'-2 9/16" | 67.06 | 105-33-09 | 7'-11" | 64.68 | 91-07-57 | 101-3 3/8 | 11-2 | 9-8 | 30-11 3/8 | .092 | .106 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/8 | 14x3/4 | 18x1 3/8" | " | 10 7/8" | 9x16 | 5x21 | 28x24 | 2-3 7/8" | 5x50 | 11x60 | GR-4 | |
| | GR-5 | 6'-2 9/16" | 66.93 | 105-25-13 | 4'-0" | 64.38 | 91-10-01 | 102-4 3/8 | 8-0 | 11-6 | 33-4 3/8 | .081 | .083 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/2 | 14x1 1/8 | 18x1 3/4" | 2 7/8" | 8 3/16" | 9x12 | 18x15 | 19x24 | 3-8 3/16" | 8x45 | 7x60 | GR-5 | |
| | GR-6 | 6'-11 1/2" | 66.66 | 105-39-27 | 6'-6" | 63.99 | 91-14-15 | 104-7 1/8 | 7-4 | 12-4 | 34-11 1/8 | .088 | .100 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/2 | 14x1 1/8 | 18x1 3/4" | 3 | 9 9/16" | 10x13 | 11x18 | 26x24 | 2-11 9/16" | 8x44 | 9x60 | GR-6 | |
| | GR-7 | 6'-11 1/2" | 66.44 | 105-43-31 | 6'-6" | 63.62 | 91-12-19 | 106-9 15/16 | 7-8 | 13-7 | 36-3 15/16 | .093 | .105 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/8 | " | " | 3 1/8" | 9 | 9x13 | 13x17 | 27x24 | 1-7 | " | 9x60 | GR-7 | |
| | GR-8 | 6'-3 1/8" | 66.19 | 105-42-09 | 6'-0" | 63.26 | 91-16-51 | 108-10 5/8 | " | " | 38-4 5/8 | .141 | .160 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 5/8 | " | 3 3/4" | 8 5/16" | 9x13 | " | " | " | " | 2-7 5/16" | " | " | GR-8 |
| | GL-9 | 5'-6 1/2" | 67.82 | 91-02-46 | 7'-4 5/8" | 65.24 | 93-43-46 | 94-11 3/4 | 11-0 | 7-9 | 37-5 3/4 | .134 | .154 | 60x3/8 | 14x3/4 | 14x3/4 | 14x1 | 18x1 | 14x1 1/4 | 18x1 1/8 | 3 1/2" | 7 7/8" | 9x18 | 2x20 | 30x24 | 1-11 7/8" | 3x52 | 13x60 | GL-9 | | | |
| | GL-8 | 5'-6 1/2" | 67.84 | 89-51-24 | 7'-8 5/8" | 64.96 | 92-32-26 | 94-7 3/8 | 12-4 | 5-5 | 38-9 3/8 | .079 | .091 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x7/8 | 14x3/4 | 18x1 1/8 | 2 7/8" | 5 11/16" | 9x18 | 2x20 | 30x24 | 2-3 11/16" | 3x50 | 13x60 | GL-8 | |
| | GL-7 | 6'-4" | 67.38 | 89-30-30 | 8'-4" | 64.63 | 91-20-30 | 94-3 7/16 | 8-4 | 3-3 | 38-9 7/16 | .083 | .085 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x7/8 | 14x3/4 | 18x1 1/2" | " | 1-8 3/4" | 11x13 | 10x17 | 20x24 | 2-0 3/4" | 7x43 | 8x60 | GL-7 | |
| | GL-6 | 6'-4" | 67.04 | " | 8'-4" | 64.28 | " | 93-10 3/4 | 8-4 | 3-3 | 38-4 3/4 | " | " | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x7/8 | 14x3/4 | 18x1 1/2" | " | 1-1 3/8" | 10x14 | 10x17 | 20x24 | 2-5 3/8" | 7x42 | 8x60 | GL-6 | |
| | GL-5 | 4'-0" | 66.70 | " | 4'-0" | 63.94 | " | 93-4 1/16 | 11-5 | 8-0 | 34-8 1/16 | .088 | .078 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/8 | 14x3/4 | 18x1 1/8 | 2 5/8" | 5 1/16" | 9x16 | 5x20 | 25x24 | 2-3 1/16" | 6x42 | 12x60 | GL-5 | |
| | GL-4 | 7'-11" | 66.52 | " | 7'-11" | 63.78 | " | 93-3 15/16 | 9-3 | 8-3 | 37-11 15/16 | .074 | .085 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/8 | " | 18x1 3/8" | 2 3/4" | 8 7/8" | 11x19 | 12x17 | 17x24 | 2-1 7/8" | 6x44 | 9x60 | GL-4 | |
| | GL-3 | " | 66.20 | " | 7'-11" | 63.44 | " | 92-11 3/8 | 10-0 | 8-4 | 36-3 3/8 | .081 | .083 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/8 | " | 18x1 3/8" | 2 7/8" | 1-2 11/16" | 9x15 | 9x18 | 23x24 | 3-11 11/16" | 5x48 | " | GL-3 | |
| | GL-2 | 7'-11" | 65.95 | " | 7'-11" | 63.12 | " | 92-6 15/16 | 10-0 | 8-4 | 35-10 15/16 | " | " | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/8 | " | 18x1 3/8" | " | 1-0 1/2" | 9x15 | 9x18 | 22x24 | 3-9 1/2" | 5x48 | 9x60 | GL-2 | |
| 2 | GL-1 | 6'-2 9/16" | 65.55 | " | 7'-11" | 62.82 | " | 92-2 7/16 | 14-0 | 5-4 | 33-8 7/16 | .112 | .129 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x7/8 | " | 18x1 | 3 1/4" | 1-1 1/4" | - | - | 4x24 | 2-1 1/4" | 2x54 | 14x60 | GL-1 | |
| | GR-1 | 7'-11" | 65.55 | " | 7'-11" | 62.82 | " | 91-11 13/16 | 13-10 | 3-6 | 37-3 13/16 | .100 | .115 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x7/8 | " | 18x1 | 3 | 11 7/8" | - | - | 4x24 | 2-6 7/8" | 3x54 | 12x60 | GR-1 | |
| | GR-2 | " | 65.21 | " | " | 62.48 | " | 91-7 3/8 | 10-0 | 8-3 | 34-11 3/8 | .081 | .083 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/8 | " | 18x1 3/8" | 2 7/8" | 6 11/16" | 9x15 | 9x18 | 22x24 | 3-3 11/16" | 5x48 | 9x60 | GR-2 | |
| | GR-3 | " | 64.89 | " | " | 62.13 | " | 91-2 15/16 | 10-0 | 8-4 | 34-8 15/16 | " | " | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/8 | " | 18x1 3/8" | " | 4 1/2" | 9x15 | 9x18 | 22x24 | 3-1 1/2" | 5x48 | 9x60 | GR-3 | |
| | GR-4 | 7'-11" | 64.56 | " | 7'-11" | 61.80 | " | 90-10 1/2 | 12-5 | 5-7 | 34-10 1/2 | .081 | .070 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x7/8 | " | 18x1 | 2 1/2" | 1-0 1/4" | 10x17 | 3x21 | 25x24 | 2-5 1/4" | 3x48 | 12x60 | GR-4 | |
| | GR-5 | 4'-0" | 64.38 | " | 4'-0" | 61.63 | " | 90-8 1/4 | 9-8 | 9-8 | 34-8 1/4 | .071 | .082 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/8 | " | 18x1 3/8" | 2 3/4" | 4 1/8" | 11x12 | 18x18 | 14x24 | 1-7 1/8" | 7x45 | 7x60 | GR-5 | |
| | GR-6 | 8'-6" | 64.02 | " | 8'-6" | 61.29 | " | 90-3 1/2 | 9-0 | 8-8 | 36-3 1/2 | .075 | .084 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/8 | " | " | " | 9 3/4" | 10x13 | 12x18 1/2 | 17x24 | 1-11 3/4" | 8x46 | 5x60 | GR-6 | |
| | GR-7 | 8'-6" | 63.66 | " | 8'-6" | 60.93 | " | 89-10 11/16 | 8-10 | 7-0 | 36-2 11/16 | .073 | .084 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/8 | " | " | " | 5 3/8" | " | 11x16 | 19x24 | 3-5 3/8" | 6x46 | 7x60 | GR-7 | |
| | GR-8 | 6'-0" | 63.33 | 88-39-30 | 6'-0" | 60.57 | 91-20-30 | 88-4 3/16 | 9-10 | 7-8 | 35-10 3/16 | .109 | .125 | 60x3/8 | 14x3/4 | 14x3/4 | 14x3/4 | 16x1 1/8 | 14x3/4 | 18x1 3/8" | 3 1/8" | 3 1/8" | 10x13 | 11x15 | 19x24 | 3-3 1/8" | 6x48 | 7x60 | GR-8 | | | |
| | GL-10 | 3'-10 5/8" | 65.23 | 90-25-27 | 5'-4 1/2" | 62.59 | 93-06-27 | 95-1 7/8 | 11-0 | 7-9 | 37-7 7/8 | .134 | .154 | 60x3/8 | 14x3/4 | 14x3/4 | 14x1 | 18x1 | 14x1 1/4 | 18x1 1/8 | 3 1/2" | 1-6 1/16" | - | - | 4x24 | 2-0 15/16" | 3x52 | 13x60 | GL-10 | | | |
| | GL-9 | 3'-10 5/8" | 65.11 | 89-22-38 | 5'-4 1/2" | 62.41 | 92-13-36 | 94-10 13/16 | 10-0 | - | 34-10 13/16 | .089 | .079 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x3/4 | 2 3/4" | 1-5 3/8" | - | - | " | 2-5 3/8" | - | 18x60 | GL-9 | | | |
| | GL-8 | 6'-4" | 64.95 | 89-30-30 | 8'-4" | 62.19 | 91-20-30 | 94-8 1/8 | 12-4 | 5-5 | 38-10 1/8 | .073 | .081 | " | " | " | 14x3/4 | 14x3/4 | 14x3/4 | 16x7/8 | 14x3/4 | 18x1 1/8 | 2 7/8" | 6 1/16" | 9x18 | 2x20 | 30x24 | 2-4 1/16" | 3x50 | 13x60 | GL-8 | |
| | GL-7 | 6'-4" | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |