

| 12' SPAN |      |      |      |      |      |       |      |       |       |       |       |
|----------|------|------|------|------|------|-------|------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 0.52 | 1.80 | 3.88 | 6.00  | 8.12 | 10.20 | 11.48 | 11.99 | 12.00 |
| 4        | 0.00 | 1.00 | 2.55 | 3.40 | 3.85 | 4.00  | 3.85 | 3.40  | 2.55  | 1.00  | 0.00  |
| 5        | 0.00 | 2.00 | 3.55 | 4.40 | 4.85 | 5.00  | 4.85 | 4.40  | 3.55  | 2.00  | 0.00  |
| 6        | 0.00 | 3.00 | 4.55 | 5.40 | 5.85 | 6.00  | 5.85 | 5.40  | 4.55  | 3.00  | 0.00  |
| 7        | 0.00 | 4.00 | 5.55 | 6.40 | 6.85 | 7.00  | 6.85 | 6.40  | 5.55  | 4.00  | 0.00  |
| 8        | 0.00 | 5.00 | 6.55 | 7.40 | 7.85 | 8.00  | 7.85 | 7.40  | 6.55  | 5.00  | 0.00  |
| 9        | 0.00 | 6.00 | 7.55 | 8.40 | 8.85 | 9.00  | 8.85 | 8.40  | 7.55  | 6.00  | 0.00  |
| 10       | 0.00 | 7.00 | 8.55 | 9.40 | 9.85 | 10.00 | 9.85 | 9.40  | 8.55  | 7.00  | 0.00  |

| 14' SPAN |      |      |      |      |       |       |       |       |       |       |       |
|----------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 0.50 | 1.80 | 6.00  | 7.00  | 8.00  | 12.20 | 13.50 | 13.99 | 14.00 |
| 4        | 0.00 | 1.00 | 2.50 | 3.40 | 4.00  | 4.00  | 4.00  | 3.40  | 2.50  | 1.00  | 0.00  |
| 5        | 0.00 | 2.00 | 3.50 | 4.40 | 5.00  | 5.00  | 5.00  | 4.40  | 3.50  | 2.00  | 0.00  |
| 6        | 0.00 | 3.00 | 4.50 | 5.40 | 6.00  | 6.00  | 6.00  | 5.40  | 4.50  | 3.00  | 0.00  |
| 7        | 0.00 | 4.00 | 5.50 | 6.40 | 7.00  | 7.00  | 7.00  | 6.40  | 5.50  | 4.00  | 0.00  |
| 8        | 0.00 | 5.00 | 6.50 | 7.40 | 8.00  | 8.00  | 8.00  | 7.40  | 6.50  | 5.00  | 0.00  |
| 9        | 0.00 | 6.00 | 7.50 | 8.40 | 9.00  | 9.00  | 9.00  | 8.40  | 7.50  | 6.00  | 0.00  |
| 10       | 0.00 | 7.00 | 8.50 | 9.40 | 10.00 | 10.00 | 10.00 | 9.40  | 8.50  | 7.00  | 0.00  |

| 16' SPAN |      |      |      |      |      |       |       |       |       |       |       |
|----------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 0.48 | 1.77 | 4.86 | 8.00  | 11.14 | 14.23 | 15.52 | 15.99 | 16.00 |
| 4        | 0.00 | 0.47 | 2.10 | 3.21 | 3.80 | 4.00  | 3.80  | 3.21  | 2.10  | 0.47  | 0.00  |
| 5        | 0.00 | 1.47 | 3.10 | 4.21 | 4.80 | 5.00  | 4.80  | 4.21  | 3.10  | 1.47  | 0.00  |
| 6        | 0.00 | 2.47 | 4.10 | 5.21 | 5.80 | 6.00  | 5.80  | 5.21  | 4.10  | 2.47  | 0.00  |
| 7        | 0.00 | 3.47 | 5.10 | 6.21 | 6.80 | 7.00  | 6.80  | 6.21  | 5.10  | 3.47  | 0.00  |
| 8        | 0.00 | 4.47 | 6.10 | 7.21 | 7.80 | 8.00  | 7.80  | 7.21  | 6.10  | 4.47  | 0.00  |
| 9        | 0.00 | 5.47 | 7.10 | 8.21 | 8.80 | 9.00  | 8.80  | 8.21  | 7.10  | 5.47  | 0.00  |
| 10       | 0.00 | 6.47 | 8.10 | 9.21 | 9.80 | 10.00 | 9.80  | 9.21  | 8.10  | 6.47  | 0.00  |

| 18' SPAN |      |      |      |      |      |       |       |       |       |       |       |
|----------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 0.48 | 1.77 | 4.86 | 9.00  | 13.14 | 16.23 | 17.52 | 17.99 | 18.00 |
| 4        | 0.00 | 0.44 | 1.82 | 2.93 | 3.66 | 4.00  | 3.66  | 2.93  | 1.82  | 0.44  | 0.00  |
| 5        | 0.00 | 1.44 | 2.82 | 3.93 | 4.66 | 5.00  | 4.66  | 3.93  | 2.82  | 1.44  | 0.00  |
| 6        | 0.00 | 2.44 | 3.82 | 4.93 | 5.66 | 6.00  | 5.66  | 4.93  | 3.82  | 2.44  | 0.00  |
| 7        | 0.00 | 3.44 | 4.82 | 5.93 | 6.66 | 7.00  | 6.66  | 5.93  | 4.82  | 3.44  | 0.00  |
| 8        | 0.00 | 4.44 | 5.82 | 6.93 | 7.66 | 8.00  | 7.66  | 6.93  | 5.82  | 4.44  | 0.00  |
| 9        | 0.00 | 5.44 | 6.82 | 7.93 | 8.66 | 9.00  | 8.66  | 7.93  | 6.82  | 5.44  | 0.00  |
| 10       | 0.00 | 6.44 | 7.82 | 8.93 | 9.66 | 10.00 | 9.66  | 8.93  | 7.82  | 6.44  | 0.00  |

| 20' SPAN |      |      |      |      |       |       |       |       |       |       |       |
|----------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 0.48 | 1.77 | 5.83  | 10.00 | 14.17 | 18.23 | 19.52 | 19.99 | 20.00 |
| 5        | 0.00 | 0.87 | 2.50 | 3.61 | 4.65  | 5.00  | 4.65  | 3.61  | 2.50  | 0.87  | 0.00  |
| 6        | 0.00 | 1.87 | 3.50 | 4.61 | 5.65  | 6.00  | 5.65  | 4.61  | 3.50  | 1.87  | 0.00  |
| 7        | 0.00 | 2.87 | 4.50 | 5.61 | 6.65  | 7.00  | 6.65  | 5.61  | 4.50  | 2.87  | 0.00  |
| 8        | 0.00 | 3.87 | 5.50 | 6.61 | 7.65  | 8.00  | 7.65  | 6.61  | 5.50  | 3.87  | 0.00  |
| 9        | 0.00 | 4.87 | 6.50 | 7.61 | 8.65  | 9.00  | 8.65  | 7.61  | 6.50  | 4.87  | 0.00  |
| 10       | 0.00 | 5.87 | 7.50 | 8.61 | 9.65  | 10.00 | 9.65  | 8.61  | 7.50  | 5.87  | 0.00  |
| 11       | 0.00 | 6.87 | 8.50 | 9.61 | 10.65 | 11.00 | 10.65 | 9.61  | 8.50  | 6.87  | 0.00  |

## HYDRAULIC COORDINATES



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| 22' SPAN |      |      |      |      |       |       |       |       |       |       |       |
|----------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 0.48 | 1.77 | 5.83  | 11.00 | 16.17 | 20.23 | 21.52 | 21.99 | 22.00 |
| 5        | 0.00 | 0.74 | 2.13 | 3.24 | 4.46  | 5.00  | 4.46  | 3.24  | 2.13  | 0.74  | 0.00  |
| 6        | 0.00 | 1.74 | 3.13 | 4.24 | 5.46  | 6.00  | 5.46  | 4.24  | 3.13  | 1.74  | 0.00  |
| 7        | 0.00 | 2.74 | 4.13 | 5.24 | 6.46  | 7.00  | 6.46  | 5.24  | 4.13  | 2.74  | 0.00  |
| 8        | 0.00 | 3.74 | 5.13 | 6.24 | 7.46  | 8.00  | 7.46  | 6.24  | 5.13  | 3.74  | 0.00  |
| 9        | 0.00 | 4.74 | 6.13 | 7.24 | 8.46  | 9.00  | 8.46  | 7.24  | 6.13  | 4.74  | 0.00  |
| 10       | 0.00 | 5.74 | 7.13 | 8.24 | 9.46  | 10.00 | 9.46  | 8.24  | 7.13  | 5.74  | 0.00  |
| 11       | 0.00 | 6.74 | 8.13 | 9.24 | 10.46 | 11.00 | 10.46 | 9.24  | 8.13  | 6.74  | 0.00  |

| 24' SPAN |      |      |      |      |       |       |       |       |       |       |       |
|----------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 0.48 | 1.77 | 6.77  | 12.00 | 17.23 | 22.23 | 23.52 | 23.99 | 24.00 |
| 5        | 0.00 | 0.07 | 1.70 | 2.81 | 4.45  | 5.00  | 4.45  | 2.81  | 1.70  | 0.07  | 0.00  |
| 6        | 0.00 | 1.07 | 2.70 | 3.81 | 5.45  | 6.00  | 5.45  | 3.81  | 2.70  | 1.07  | 0.00  |
| 7        | 0.00 | 2.07 | 3.70 | 4.81 | 6.45  | 7.00  | 6.45  | 4.81  | 3.70  | 2.07  | 0.00  |
| 8        | 0.00 | 3.07 | 4.70 | 5.81 | 7.45  | 8.00  | 7.45  | 5.81  | 4.70  | 3.07  | 0.00  |
| 9        | 0.00 | 4.07 | 5.70 | 6.81 | 8.45  | 9.00  | 8.45  | 6.81  | 5.70  | 4.07  | 0.00  |
| 10       | 0.00 | 5.07 | 6.70 | 7.81 | 9.45  | 10.00 | 9.45  | 7.81  | 6.70  | 5.07  | 0.00  |
| 11       | 0.00 | 6.07 | 7.70 | 8.81 | 10.45 | 11.00 | 10.45 | 8.81  | 7.70  | 6.07  | 0.00  |

| 26' SPAN |      |      |      |      |       |       |       |       |       |       |       |
|----------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 0.48 | 1.77 | 6.77  | 13.00 | 19.23 | 24.23 | 25.52 | 25.99 | 26.00 |
| 6        | 0.00 | 0.84 | 2.23 | 3.33 | 5.21  | 6.00  | 5.21  | 3.33  | 2.23  | 0.84  | 0.00  |
| 7        | 0.00 | 1.84 | 3.23 | 4.33 | 6.21  | 7.00  | 6.21  | 4.33  | 3.23  | 1.84  | 0.00  |
| 8        | 0.00 | 2.84 | 4.23 | 5.33 | 7.21  | 8.00  | 7.21  | 5.33  | 4.23  | 2.84  | 0.00  |
| 9        | 0.00 | 3.84 | 5.23 | 6.33 | 8.21  | 9.00  | 8.21  | 6.33  | 5.23  | 3.84  | 0.00  |
| 10       | 0.00 | 4.84 | 6.23 | 7.33 | 9.21  | 10.00 | 9.21  | 7.33  | 6.23  | 4.84  | 0.00  |
| 11       | 0.00 | 5.84 | 7.23 | 8.33 | 10.21 | 11.00 | 10.21 | 8.33  | 7.23  | 5.84  | 0.00  |

| 28' SPAN |      |      |      |       |       |       |       |       |       |       |       |       |       |
|----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 1.17 | 3.09  | 6.39  | 9.59  | 14.00 | 18.41 | 21.61 | 24.91 | 26.83 | 27.99 | 28.00 |
| 6        | 0.00 | 0.54 | 3.07 | 4.28  | 5.27  | 5.76  | 6.00  | 5.76  | 5.27  | 4.28  | 3.07  | 0.54  | 0.00  |
| 7        | 0.00 | 1.54 | 4.07 | 5.28  | 6.27  | 6.76  | 7.00  | 6.76  | 6.27  | 5.28  | 4.07  | 1.54  | 0.00  |
| 8        | 0.00 | 2.54 | 5.07 | 6.28  | 7.27  | 7.76  | 8.00  | 7.76  | 7.27  | 6.28  | 5.07  | 2.54  | 0.00  |
| 9        | 0.00 | 3.54 | 6.07 | 7.28  | 8.27  | 8.76  | 9.00  | 8.76  | 8.27  | 7.28  | 6.07  | 3.54  | 0.00  |
| 10       | 0.00 | 4.54 | 7.07 | 8.28  | 9.27  | 9.76  | 10.00 | 9.76  | 9.27  | 8.28  | 7.07  | 4.54  | 0.00  |
| 11       | 0.00 | 5.54 | 8.07 | 9.28  | 10.27 | 10.76 | 11.00 | 10.76 | 10.27 | 9.28  | 8.07  | 5.54  | 0.00  |
| 12       | 0.00 | 6.54 | 9.07 | 10.28 | 11.27 | 11.76 | 12.00 | 11.76 | 11.27 | 10.28 | 9.07  | 6.54  | 0.00  |

## HYDRAULIC COORDINATES

| 30' SPAN |      |      |      |       |       |       |       |       |       |       |       |       |       |
|----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 1.17 | 3.09  | 6.39  | 9.59  | 15.00 | 20.41 | 23.61 | 26.91 | 28.83 | 29.99 | 30.00 |
| 7        | 0.00 | 1.16 | 3.71 | 4.99  | 6.06  | 6.63  | 7.00  | 6.63  | 6.06  | 4.99  | 3.71  | 1.16  | 0.00  |
| 8        | 0.00 | 2.16 | 4.71 | 5.99  | 7.06  | 7.63  | 8.00  | 7.63  | 7.06  | 5.99  | 4.71  | 2.16  | 0.00  |
| 9        | 0.00 | 3.16 | 5.71 | 6.99  | 8.06  | 8.63  | 9.00  | 8.63  | 8.06  | 6.99  | 5.71  | 3.16  | 0.00  |
| 10       | 0.00 | 4.16 | 6.71 | 7.99  | 9.06  | 9.63  | 10.00 | 9.63  | 9.06  | 7.99  | 6.71  | 4.16  | 0.00  |
| 11       | 0.00 | 5.16 | 7.71 | 8.99  | 10.06 | 10.63 | 11.00 | 10.63 | 10.06 | 8.99  | 7.71  | 5.16  | 0.00  |
| 12       | 0.00 | 6.16 | 8.71 | 9.99  | 11.06 | 11.63 | 12.00 | 11.63 | 11.06 | 9.99  | 8.71  | 6.16  | 0.00  |
| 13       | 0.00 | 7.16 | 9.71 | 10.99 | 12.06 | 12.63 | 13.00 | 12.63 | 12.06 | 10.99 | 9.71  | 7.16  | 0.00  |

| 32' SPAN |      |      |      |       |       |       |       |       |       |       |       |       |       |
|----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 1.17 | 4.37  | 8.24  | 12.53 | 16.00 | 19.47 | 23.76 | 27.63 | 30.83 | 31.99 | 32.00 |
| 7        | 0.00 | 0.77 | 3.32 | 5.25  | 6.24  | 6.85  | 7.00  | 6.85  | 6.24  | 5.25  | 3.32  | 0.77  | 0.00  |
| 8        | 0.00 | 1.77 | 4.32 | 6.25  | 7.24  | 7.85  | 8.00  | 7.85  | 7.24  | 6.25  | 4.32  | 1.77  | 0.00  |
| 9        | 0.00 | 2.77 | 5.32 | 7.25  | 8.24  | 8.85  | 9.00  | 8.85  | 8.24  | 7.25  | 5.32  | 2.77  | 0.00  |
| 10       | 0.00 | 3.77 | 6.32 | 8.25  | 9.24  | 9.85  | 10.00 | 9.85  | 9.24  | 8.25  | 6.32  | 3.77  | 0.00  |
| 11       | 0.00 | 4.77 | 7.32 | 9.25  | 10.24 | 10.85 | 11.00 | 10.85 | 10.24 | 9.25  | 7.32  | 4.77  | 0.00  |
| 12       | 0.00 | 5.77 | 8.32 | 10.25 | 11.24 | 11.85 | 12.00 | 11.85 | 11.24 | 10.25 | 8.32  | 5.77  | 0.00  |
| 13       | 0.00 | 6.77 | 9.32 | 11.25 | 12.24 | 12.85 | 13.00 | 12.85 | 12.24 | 11.25 | 9.32  | 6.77  | 0.00  |

| 34' SPAN |      |      |      |       |       |       |       |       |       |       |       |       |       |
|----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 1.17 | 4.37  | 8.24  | 12.53 | 17.00 | 21.47 | 25.76 | 29.63 | 32.83 | 33.99 | 34.00 |
| 7        | 0.00 | 0.35 | 2.89 | 4.93  | 6.03  | 6.75  | 7.00  | 6.75  | 6.03  | 4.93  | 2.89  | 0.35  | 0.00  |
| 8        | 0.00 | 1.35 | 3.89 | 5.93  | 7.03  | 7.75  | 8.00  | 7.75  | 7.03  | 5.93  | 3.89  | 1.35  | 0.00  |
| 9        | 0.00 | 2.35 | 4.89 | 6.93  | 8.03  | 8.75  | 9.00  | 8.75  | 8.03  | 6.93  | 4.89  | 2.35  | 0.00  |
| 10       | 0.00 | 3.35 | 5.89 | 7.93  | 9.03  | 9.75  | 10.00 | 9.75  | 9.03  | 7.93  | 5.89  | 3.35  | 0.00  |
| 11       | 0.00 | 4.35 | 6.89 | 8.93  | 10.03 | 10.75 | 11.00 | 10.75 | 10.03 | 8.93  | 6.89  | 4.35  | 0.00  |
| 12       | 0.00 | 5.35 | 7.89 | 9.93  | 11.03 | 11.75 | 12.00 | 11.75 | 11.03 | 9.93  | 7.89  | 5.35  | 0.00  |
| 13       | 0.00 | 6.35 | 8.89 | 10.93 | 12.03 | 12.75 | 13.00 | 12.75 | 12.03 | 10.93 | 8.89  | 6.35  | 0.00  |

| 36' SPAN |      |      |      |       |       |       |       |       |       |       |       |       |       |
|----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 1.17 | 4.79  | 9.00  | 13.85 | 18.00 | 22.15 | 27.00 | 31.21 | 34.83 | 35.99 | 36.00 |
| 8        | 0.00 | 0.89 | 3.43 | 5.75  | 6.97  | 7.78  | 8.00  | 7.78  | 6.97  | 5.75  | 3.43  | 0.89  | 0.00  |
| 9        | 0.00 | 1.89 | 4.43 | 6.75  | 7.97  | 8.78  | 9.00  | 8.78  | 7.97  | 6.75  | 4.43  | 1.89  | 0.00  |
| 10       | 0.00 | 2.89 | 5.43 | 7.75  | 8.97  | 9.78  | 10.00 | 9.78  | 8.97  | 7.75  | 5.43  | 2.89  | 0.00  |
| 11       | 0.00 | 3.89 | 6.43 | 8.75  | 9.97  | 10.78 | 11.00 | 10.78 | 9.97  | 8.75  | 6.43  | 3.89  | 0.00  |
| 12       | 0.00 | 4.89 | 7.43 | 9.75  | 10.97 | 11.78 | 12.00 | 11.78 | 10.97 | 9.75  | 7.43  | 4.89  | 0.00  |
| 13       | 0.00 | 5.89 | 8.43 | 10.75 | 11.97 | 12.78 | 13.00 | 12.78 | 11.97 | 10.75 | 8.43  | 5.89  | 0.00  |
| 14       | 0.00 | 6.89 | 9.43 | 11.75 | 12.97 | 13.78 | 14.00 | 13.78 | 12.97 | 11.75 | 9.43  | 6.89  | 0.00  |

## HYDRAULIC COORDINATES

| 38' SPAN |      |      |      |       |       |       |       |       |       |       |       |       |       |
|----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 1.17 | 4.79  | 9.00  | 13.85 | 19.00 | 24.15 | 29.00 | 33.21 | 36.83 | 37.99 | 38.00 |
| 8        | 0.00 | 0.40 | 2.95 | 5.39  | 6.73  | 7.67  | 8.00  | 7.67  | 6.73  | 5.39  | 2.95  | 0.40  | 0.00  |
| 9        | 0.00 | 1.40 | 3.95 | 6.39  | 7.73  | 8.67  | 9.00  | 8.67  | 7.73  | 6.39  | 3.95  | 1.40  | 0.00  |
| 10       | 0.00 | 2.40 | 4.95 | 7.39  | 8.73  | 9.67  | 10.00 | 9.67  | 8.73  | 7.39  | 4.95  | 2.40  | 0.00  |
| 11       | 0.00 | 3.40 | 5.95 | 8.39  | 9.73  | 10.67 | 11.00 | 10.67 | 9.73  | 8.39  | 5.95  | 3.40  | 0.00  |
| 12       | 0.00 | 4.40 | 6.95 | 9.39  | 10.73 | 11.67 | 12.00 | 11.67 | 10.73 | 9.39  | 6.95  | 4.40  | 0.00  |
| 13       | 0.00 | 5.40 | 7.95 | 10.39 | 11.73 | 12.67 | 13.00 | 12.67 | 11.73 | 10.39 | 7.95  | 5.40  | 0.00  |
| 14       | 0.00 | 6.40 | 8.95 | 11.39 | 12.73 | 13.67 | 14.00 | 13.67 | 12.73 | 11.39 | 8.95  | 6.40  | 0.00  |

| 40' SPAN |      |      |      |       |       |       |       |       |       |       |       |       |       |
|----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 1.17 | 4.79  | 10.00 | 14.85 | 20.00 | 25.15 | 30.00 | 35.21 | 38.83 | 39.99 | 40.00 |
| 9        | 0.00 | 0.87 | 3.43 | 5.99  | 7.73  | 8.67  | 9.00  | 8.67  | 7.73  | 5.99  | 3.43  | 0.87  | 0.00  |
| 10       | 0.00 | 1.87 | 4.43 | 6.99  | 8.73  | 9.67  | 10.00 | 9.67  | 8.73  | 6.99  | 4.43  | 1.87  | 0.00  |
| 11       | 0.00 | 2.87 | 5.43 | 7.99  | 9.73  | 10.67 | 11.00 | 10.67 | 9.73  | 7.99  | 5.43  | 2.87  | 0.00  |
| 12       | 0.00 | 3.87 | 6.43 | 8.99  | 10.73 | 11.67 | 12.00 | 11.67 | 10.73 | 8.99  | 6.43  | 3.87  | 0.00  |
| 13       | 0.00 | 4.87 | 7.43 | 9.99  | 11.73 | 12.67 | 13.00 | 12.67 | 11.73 | 9.99  | 7.43  | 4.87  | 0.00  |
| 14       | 0.00 | 5.87 | 8.43 | 10.99 | 12.73 | 13.67 | 14.00 | 13.67 | 12.73 | 10.99 | 8.43  | 5.87  | 0.00  |

| 42' SPAN |      |      |      |       |       |       |       |       |       |       |       |       |       |
|----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 1.17 | 4.79  | 10.00 | 14.85 | 21.00 | 27.15 | 32.00 | 37.21 | 40.83 | 41.99 | 42.00 |
| 10       | 0.00 | 1.30 | 3.85 | 6.57  | 8.46  | 9.53  | 10.00 | 9.53  | 8.46  | 6.57  | 3.85  | 1.30  | 0.00  |
| 11       | 0.00 | 2.30 | 4.85 | 7.57  | 9.46  | 10.53 | 11.00 | 10.53 | 9.46  | 7.57  | 4.85  | 2.30  | 0.00  |
| 12       | 0.00 | 3.30 | 5.85 | 8.57  | 10.46 | 11.53 | 12.00 | 11.53 | 10.46 | 8.57  | 5.85  | 3.30  | 0.00  |
| 13       | 0.00 | 4.30 | 6.85 | 9.57  | 11.46 | 12.53 | 13.00 | 12.53 | 11.46 | 9.57  | 6.85  | 4.30  | 0.00  |
| 14       | 0.00 | 5.30 | 7.85 | 10.57 | 12.46 | 13.53 | 14.00 | 13.53 | 12.46 | 10.57 | 7.85  | 5.30  | 0.00  |

| 44' SPAN |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |
|----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 0.67 | 2.75  | 5.00  | 8.83  | 14.83 | 22.00 | 29.17 | 35.17 | 39.00 | 41.25 | 43.33 | 43.99 | 44.00 |
| 9        | 0.00 | 1.11 | 3.30 | 5.26  | 6.24  | 7.40  | 8.53  | 9.00  | 8.53  | 7.40  | 6.24  | 5.26  | 3.30  | 1.11  | 0.00  |
| 10       | 0.00 | 2.11 | 4.30 | 6.26  | 7.24  | 8.40  | 9.53  | 10.00 | 9.53  | 8.40  | 7.24  | 6.26  | 4.30  | 2.11  | 0.00  |
| 11       | 0.00 | 3.11 | 5.30 | 7.26  | 8.24  | 9.40  | 10.53 | 11.00 | 10.53 | 9.40  | 8.24  | 7.26  | 5.30  | 3.11  | 0.00  |
| 12       | 0.00 | 4.11 | 6.30 | 8.26  | 9.24  | 10.40 | 11.53 | 12.00 | 11.53 | 10.40 | 9.24  | 8.26  | 6.30  | 4.11  | 0.00  |
| 13       | 0.00 | 5.11 | 7.30 | 9.26  | 10.24 | 11.40 | 12.53 | 13.00 | 12.53 | 11.40 | 10.24 | 9.26  | 7.30  | 5.11  | 0.00  |
| 14       | 0.00 | 6.11 | 8.30 | 10.26 | 11.24 | 12.40 | 13.53 | 14.00 | 13.53 | 12.40 | 11.24 | 10.26 | 8.30  | 6.11  | 0.00  |

| 46' SPAN |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |
|----------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 0.67 | 2.75 | 5.00  | 8.83  | 14.83 | 23.00 | 31.17 | 37.17 | 41.00 | 43.25 | 45.33 | 45.99 | 46.00 |
| 9        | 0.00 | 0.71 | 2.90 | 4.86 | 5.84  | 7.14  | 8.39  | 9.00  | 8.39  | 7.14  | 5.84  | 4.86  | 2.90  | 0.71  | 0.00  |
| 10       | 0.00 | 1.71 | 3.90 | 5.86 | 6.84  | 8.14  | 9.39  | 10.00 | 9.39  | 8.14  | 6.84  | 5.86  | 3.90  | 1.71  | 0.00  |
| 11       | 0.00 | 2.71 | 4.90 | 6.86 | 7.84  | 9.14  | 10.39 | 11.00 | 10.39 | 9.14  | 7.84  | 6.86  | 4.90  | 2.71  | 0.00  |
| 12       | 0.00 | 3.71 | 5.90 | 7.86 | 8.84  | 10.14 | 11.39 | 12.00 | 11.39 | 10.14 | 8.84  | 7.86  | 5.90  | 3.71  | 0.00  |
| 13       | 0.00 | 4.71 | 6.90 | 8.86 | 9.84  | 11.14 | 12.39 | 13.00 | 12.39 | 11.14 | 9.84  | 8.86  | 6.90  | 4.71  | 0.00  |
| 14       | 0.00 | 5.71 | 7.90 | 9.86 | 10.84 | 12.14 | 13.39 | 14.00 | 13.39 | 12.14 | 10.84 | 9.86  | 7.90  | 5.71  | 0.00  |

## HYDRAULIC COORDINATES



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Ph: (858) 790-1445 or (858) 790-1890  
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www.SPECSBridge.com

| 48' SPAN |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |
|----------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 0.67 | 2.82 | 6.56  | 9.58  | 15.00 | 24.00 | 33.00 | 38.42 | 41.44 | 45.18 | 47.33 | 47.99 | 48.00 |
| 9.5      | 0.00 | 0.71 | 2.90 | 5.00 | 6.57  | 7.58  | 8.76  | 9.50  | 8.76  | 7.58  | 6.57  | 5.00  | 2.90  | 0.71  | 0.00  |
| 10       | 0.00 | 1.21 | 3.40 | 5.50 | 7.07  | 8.08  | 9.26  | 10.00 | 9.26  | 8.08  | 7.07  | 5.50  | 3.40  | 1.21  | 0.00  |
| 11       | 0.00 | 2.21 | 4.40 | 6.50 | 8.07  | 9.08  | 10.26 | 11.00 | 10.26 | 9.08  | 8.07  | 6.50  | 4.40  | 2.21  | 0.00  |
| 12       | 0.00 | 3.21 | 5.40 | 7.50 | 9.07  | 10.08 | 11.26 | 12.00 | 11.26 | 10.08 | 9.07  | 7.50  | 5.40  | 3.21  | 0.00  |
| 13       | 0.00 | 4.21 | 6.40 | 8.50 | 10.07 | 11.08 | 12.26 | 13.00 | 12.26 | 11.08 | 10.07 | 8.50  | 6.40  | 4.21  | 0.00  |
| 14       | 0.00 | 5.21 | 7.40 | 9.50 | 11.07 | 12.08 | 13.26 | 14.00 | 13.26 | 12.08 | 11.07 | 9.50  | 7.40  | 5.21  | 0.00  |

| 50' SPAN |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |
|----------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 0.67 | 2.82 | 7.56  | 10.58 | 17.00 | 25.00 | 33.00 | 39.42 | 42.44 | 47.18 | 49.33 | 49.99 | 50.00 |
| 9.5      | 0.00 | 0.41 | 2.59 | 4.60 | 6.57  | 7.58  | 8.92  | 9.50  | 8.92  | 7.58  | 6.57  | 4.60  | 2.59  | 0.41  | 0.00  |
| 10       | 0.00 | 0.91 | 3.09 | 5.10 | 7.07  | 8.08  | 9.42  | 10.00 | 9.42  | 8.08  | 7.07  | 5.10  | 3.09  | 0.91  | 0.00  |
| 11       | 0.00 | 1.91 | 4.09 | 6.10 | 8.07  | 9.08  | 10.42 | 11.00 | 10.42 | 9.08  | 8.07  | 6.10  | 4.09  | 1.91  | 0.00  |
| 12       | 0.00 | 2.91 | 5.09 | 7.10 | 9.07  | 10.08 | 11.42 | 12.00 | 11.42 | 10.08 | 9.07  | 7.10  | 5.09  | 2.91  | 0.00  |
| 13       | 0.00 | 3.91 | 6.09 | 8.10 | 10.07 | 11.08 | 12.42 | 13.00 | 12.42 | 11.08 | 10.07 | 8.10  | 6.09  | 3.91  | 0.00  |
| 14       | 0.00 | 4.91 | 7.09 | 9.10 | 11.07 | 12.08 | 13.42 | 14.00 | 13.42 | 12.08 | 11.07 | 9.10  | 7.09  | 4.91  | 0.00  |

| 52' SPAN |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |
|----------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RISE / X | 0.00 | 0.01 | 0.67 | 2.82 | 8.56  | 11.58 | 18.00 | 26.00 | 34.00 | 40.42 | 43.44 | 49.18 | 51.33 | 51.99 | 52.00 |
| 10       | 0.00 | 0.51 | 2.69 | 4.70 | 7.07  | 8.08  | 9.42  | 10.00 | 9.42  | 8.08  | 7.07  | 4.70  | 2.69  | 0.51  | 0.00  |
| 11       | 0.00 | 1.51 | 3.69 | 5.70 | 8.07  | 9.08  | 10.42 | 11.00 | 10.42 | 9.08  | 8.07  | 5.70  | 3.69  | 1.51  | 0.00  |
| 12       | 0.00 | 2.51 | 4.69 | 6.70 | 9.07  | 10.08 | 11.42 | 12.00 | 11.42 | 10.08 | 9.07  | 6.70  | 4.69  | 2.51  | 0.00  |
| 13       | 0.00 | 3.51 | 5.69 | 7.70 | 10.07 | 11.08 | 12.42 | 13.00 | 12.42 | 11.08 | 10.07 | 7.70  | 5.69  | 3.51  | 0.00  |
| 14       | 0.00 | 4.51 | 6.69 | 8.70 | 11.07 | 12.08 | 13.42 | 14.00 | 13.42 | 12.08 | 11.07 | 8.70  | 6.69  | 4.51  | 0.00  |

## HYDRAULIC COORDINATES