**SS-8 STEEL BEAM WITH TIMBER DECK SUPERSTRUCTURE STANDARDS**
**CELL LIBRARY: SS8.CEL**

**INDEX OF CELLS**

| CELL NAME | FILE NO. | DESCRIPTION | DATE |
|---|---|---|---|
| **Framing Plan – Bolted Angles with 0° Skew** | | | |
| BAA01 | SS8CELLS-1 | Beam Length ≤ 18’-8” | 12Sep2008 |
| BAA02 | SS8CELLS-1 | 18’-8” < Beam Length ≤ 24’-11” | 12Sep2008 |
| BAA03 | SS8CELLS-2 | 24’-11” < Beam Length ≤ 31’-2” | 12Sep2008 |
| BAA04 | SS8CELLS-2 | 31’-2” < Beam Length ≤ 37’-5” | 12Sep2008 |
| BAA05 | SS8CELLS-3 | 37’-5” < Beam Length ≤ 43’-8” | 12Sep2008 |
| BAA06 | SS8CELLS-3 | 43’-8” < Beam Length ≤ 49’-11” | 12Sep2008 |
| BAA07 | SS8CELLS-4 | 49’-11” < Beam Length ≤ 56’-2” | 12Sep2008 |
| BAA08 | SS8CELLS-4 | 56’-2” < Beam Length ≤ 62’-5” | 12Sep2008 |
| BAA09 | SS8CELLS-5 | 62’-5” < Beam Length ≤ 68’-8” | 12Sep2008 |
| BAA10 | SS8CELLS-5 | 68’-8” < Beam Length ≤ 74’-11” | 12Sep2008 |
| **Framing Plan – Bolted Angles with Left Hand Skew ≤ 9°** | | | |
| BAL01 | SS8CELLS-6 | Beam Length ≤ 18’-8” | 12Sep2008 |
| BAL02 | SS8CELLS-6 | 18’-8” < Beam Length ≤ 24’-11” | 12Sep2008 |
| BAL03 | SS8CELLS-7 | 24’-11” < Beam Length ≤ 31’-2” | 12Sep2008 |
| BAL04 | SS8CELLS-7 | 31’-2” < Beam Length ≤ 37’-5” | 12Sep2008 |
| BAL05 | SS8CELLS-8 | 37’-5” < Beam Length ≤ 43’-8” | 12Sep2008 |
| BAL06 | SS8CELLS-8 | 43’-8” < Beam Length ≤ 49’-11” | 12Sep2008 |
| BAL07 | SS8CELLS-9 | 49’-11” < Beam Length ≤ 56’-2” | 12Sep2008 |
| BAL08 | SS8CELLS-9 | 56’-2” < Beam Length ≤ 62’-5” | 12Sep2008 |
| BAL09 | SS8CELLS-10 | 62’-5” < Beam Length ≤ 68’-8” | 12Sep2008 |
| BAL10 | SS8CELLS-10 | 68’-8” < Beam Length ≤ 74’-11” | 12Sep2008 |
| **Framing Plan - Bolted Angles with Left Hand Skew > 9°** | | | |
| BAL11 | SS8CELLS-11 | Beam Length ≤ 18’-8” | 12Sep2008 |
| BAL12 | SS8CELLS-11 | 18’-8” < Beam Length ≤ 24’-11” | 12Sep2008 |
| BAL13 | SS8CELSL-12 | 24’-11” < Beam Length ≤ 31’-2” | 12Sep2008 |
| BAL14 | SS8CELLS-12 | 31’-2” < Beam Length ≤ 37’-5” | 12Sep2008 |
| BAL15 | SS8CELLS-13 | 37’-5” < Beam Length ≤ 43’-8” | 12Sep2008 |
| BAL16 | SS8CELLS-13 | 43’-8” < Beam Length ≤ 49’-11” | 12Sep2008 |
| BAL17 | SS8CELLS-14 | 49’-11” < Beam Length ≤ 56’-2” | 12Sep2008 |
| BAL18 | SS8CELLS-14 | 56’-2” < Beam Length ≤ 62’-5” | 12Sep2008 |
| BAL19 | SS8CELLS-15 | 62’-5” < Beam Length ≤ 68’-8” | 12Sep2008 |
| BAL20 | SS8CELLS-15 | 68’-8” < Beam Length ≤ 74’-11” | 12Sep2008 |
| **Framing Plan – Bolted Angles with Right Hand Skew ≤ 9°** | | | |
| BAR01 | SS8CELLS-16 | Beam Length ≤ 18’-8” | 12Sep2008 |
| BAR02 | SS8CELLS-16 | 18’-8” < Beam Length ≤ 24’-11” | 12Sep2008 |
| BAR03 | SS8CELLS-17 | 24’-11” < Beam Length ≤ 31’-2” | 12Sep2008 |
| BAR04 | SS8CELLS-17 | 31’-2” < Beam Length ≤ 37’-5” | 12Sep2008 |
| BAR05 | SS8CELLS-18 | 37’-5” < Beam Length ≤ 43’-8” | 12Sep2008 |
| BAR06 | SS8CELLS-18 | 43’-8” < Beam Length ≤ 49’-11” | 12Sep2008 |
| BAR07 | SS8CELLS-19 | 49’-11” < Beam Length ≤ 56’-2” | 12Sep2008 |
| BAR08 | SS8CELLS-19 | 56’-2” < Beam Length ≤ 62’-5” | 12Sep2008 |
| BAR09 | SS8CELLS-20 | 62’-5” < Beam Length ≤ 68’-8” | 12Sep2008 |
| BAR10 | SS8CELLS-20 | 68’-8” < Beam Length ≤ 74’-11” | 12Sep2008 |

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**INDEX OF CELLS (cont'd)**

| CELL NAME | FILE NO. | DESCRIPTION | DATE |
|---|---|---|---|
| **Framing Plan - Bolted Angles with Right Hand Skew > 9°** | | | |
| BAR11 | SS8CELLS-21 | Beam Length ≤ 18'-8" | 12Sep2008 |
| BAR12 | SS8CELLS-21 | 18'-8" < Beam Length ≤ 24'-11" | 12Sep2008 |
| BAR13 | SS8CELLS-22 | 24'-11" < Beam Length ≤ 31'-2" | 12Sep2008 |
| BAR14 | SS8CELLS-22 | 31'-2" < Beam Length ≤ 37'-5" | 12Sep2008 |
| BAR15 | SS8CELLS-23 | 37'-5" < Beam Length ≤ 43'-8" | 12Sep2008 |
| BAR16 | SS8CELLS-23 | 43'-8" < Beam Length ≤ 49'-11" | 12Sep2008 |
| BAR17 | SS8CELLS-24 | 49'-11" < Beam Length ≤ 56'-2" | 12Sep2008 |
| BAR18 | SS8CELLS-24 | 56'-2" < Beam Length ≤ 62'-5" | 12Sep2008 |
| BAR19 | SS8CELLS-25 | 62'-5" < Beam Length ≤ 68'-8" | 12Sep2008 |
| BAR20 | SS8CELLS-25 | 68'-8" < Beam Length ≤ 74'-11" | 12Sep2008 |
| **Framing Plan – Two-Span with Bolted Angles and 0° Skew** | | | |
| BTA01 | SS8CELLS-26 | Beam Length ≤ 18'-8" | 12Sep2008 |
| BTA02 | SS8CELLS-26 | 18'-8" < Beam Length ≤ 24'-11" | 12Sep2008 |
| BTA03 | SS8CELLS-27 | 24'-11" < Beam Length ≤ 31'-2" | 12Sep2008 |
| BTA04 | SS8CELLS-27 | 31'-2" < Beam Length ≤ 37'-5" | 12Sep2008 |
| BTA05 | SS8CELLS-28 | 37'-5" < Beam Length ≤ 43'-8" | 12Sep2008 |
| BTA06 | SS8CELLS-28 | 43'-8" < Beam Length ≤ 49'-11" | 12Sep2008 |
| BTA07 | SS8CELLS-29 | 49'-11" < Beam Length ≤ 56'-2" | 12Sep2008 |
| BTA08 | SS8CELLS-29 | 56'-2" < Beam Length ≤ 62'-5" | 12Sep2008 |
| BTA09 | SS8CELLS-30 | 62'-5" < Beam Length ≤ 68'-8" | 12Sep2008 |
| BTA10 | SS8CELLS-30 | 68'-8" < Beam Length ≤ 74'-11" | 12Sep2008 |
| **Framing Plan – Two-Span with Bolted Angles and Left Hand Skew ≤ 9°** | | | |
| BTL01 | SS8CELLS-31 | Beam Length ≤ 18'-8" | 12Sep2008 |
| BTL02 | SS8CELLS-31 | 18'-8" < Beam Length ≤ 24'-11" | 12Sep2008 |
| BTL03 | SS8CELLS-32 | 24'-11" < Beam Length ≤ 31'-2" | 12Sep2008 |
| BTL04 | SS8CELLS-32 | 31'-2" < Beam Length ≤ 37'-5" | 12Sep2008 |
| BTL05 | SS8CELLS-33 | 37'-5" < Beam Length ≤ 43'-8" | 12Sep2008 |
| BTL06 | SS8CELLS-33 | 43'-8" < Beam Length ≤ 49'-11" | 12Sep2008 |
| BTL07 | SS8CELLS-34 | 49'-11" < Beam Length ≤ 56'-2" | 12Sep2008 |
| BTL08 | SS8CELLS-34 | 56'-2" < Beam Length ≤ 62'-5" | 12Sep2008 |
| BTL09 | SS8CELLS-35 | 62'-5" < Beam Length ≤ 68'-8" | 12Sep2008 |
| BTL10 | SS8CELLS-35 | 68'-8" < Beam Length ≤ 74'-11" | 12Sep2008 |
| **Framing Plan – Two-Span with Bolted Angles and Left Hand Skew > 9°** | | | |
| BTL11 | SS8CELLS-36 | Beam Length ≤ 18'-8" | 12Sep2008 |
| BTL12 | SS8CELLS-36 | 18'-8" < Beam Length ≤ 24'-11" | 12Sep2008 |
| BTL13 | SS8CELSL-37 | 24'-11" < Beam Length ≤ 31'-2" | 12Sep2008 |
| BTL14 | SS8CELLS-37 | 31'-2" < Beam Length ≤ 37'-5" | 12Sep2008 |
| BTL15 | SS8CELLS-38 | 37'-5" < Beam Length ≤ 43'-8" | 12Sep2008 |
| BTL16 | SS8CELLS-38 | 43'-8" < Beam Length ≤ 49'-11" | 12Sep2008 |
| BTL17 | SS8CELLS-39 | 49'-11" < Beam Length ≤ 56'-2" | 12Sep2008 |
| BTL18 | SS8CELLS-39 | 56'-2" < Beam Length ≤ 62'-5" | 12Sep2008 |
| BTL19 | SS8CELLS-40 | 62'-5" < Beam Length ≤ 68'-8" | 12Sep2008 |
| BTL20 | SS8CELLS-40 | 68'-8" < Beam Length ≤ 74'-11" | 12Sep2008 |

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| CELL NAME | FILE NO. | DESCRIPTION | DATE |
|---|---|---|---|
| **Framing Plan – Two-Span with Bolted Angles and Right Hand Skew ≤ 9°** | | | |
| BTR01 | SS8CELLS-41 | Beam Length ≤ 18'-8" | 12Sep2008 |
| BTR02 | SS8CELLS-41 | 18'-8" < Beam Length ≤ 24'-11" | 12Sep2008 |
| BTR03 | SS8CELLS-42 | 24'-11" < Beam Length ≤ 31'-2" | 12Sep2008 |
| BTR04 | SS8CELLS-42 | 31'-2" < Beam Length ≤ 37'-5" | 12Sep2008 |
| BTR05 | SS8CELLS-43 | 37'-5" < Beam Length ≤ 43'-8" | 12Sep2008 |
| BTR06 | SS8CELLS-43 | 43'-8" < Beam Length ≤ 49'-11" | 12Sep2008 |
| BTR07 | SS8CELLS-44 | 49'-11" < Beam Length ≤ 56'-2" | 12Sep2008 |
| BTR08 | SS8CELLS-44 | 56'-2" < Beam Length ≤ 62'-5" | 12Sep2008 |
| BTR09 | SS8CELLS-45 | 62'-5" < Beam Length ≤ 68'-8" | 12Sep2008 |
| BTR10 | SS8CELLS-45 | 68'-8" < Beam Length ≤ 74'-11" | 12Sep2008 |
| **Framing Plan – Two-Span with Bolted Angles and Right Hand Skew > 9°** | | | |
| BTR11 | SS8CELLS-46 | Beam Length ≤ 18'-8" | 12Sep2008 |
| BTR12 | SS8CELLS-46 | 18'-8" < Beam Length ≤ 24'-11" | 12Sep2008 |
| BTR13 | SS8CELLS-47 | 24'-11" < Beam Length ≤ 31'-2" | 12Sep2008 |
| BTR14 | SS8CELLS-47 | 31'-2" < Beam Length ≤ 37'-5" | 12Sep2008 |
| BTR15 | SS8CELLS-48 | 37'-5" < Beam Length ≤ 43'-8" | 12Sep2008 |
| BTR16 | SS8CELLS-48 | 43'-8" < Beam Length ≤ 49'-11" | 12Sep2008 |
| BTR17 | SS8CELLS-49 | 49'-11" < Beam Length ≤ 56'-2" | 12Sep2008 |
| BTR18 | SS8CELLS-49 | 56'-2" < Beam Length ≤ 62'-5" | 12Sep2008 |
| BTR19 | SS8CELLS-50 | 62'-5" < Beam Length ≤ 68'-8" | 12Sep2008 |
| BTR20 | SS8CELLS-50 | 68'-8" < Beam Length ≤ 74'-11" | 12Sep2008 |
| **Bearing Details** | | | |
| BZAB1 | SS8CELLS-51 | L ≤ 60'; anchor bolts at each location | 12Sep2008 |
| BZAB2 | SS8CELLS-51 | L ≤ 60'; A.B.'s at every other location | 12Sep2008 |
| BZAE1 | SS8CELLS-51 | L > 60'; anchor bolts at each location | 12Sep2008 |
| BZAE2 | SS8CELLS-52 | L > 60'; A.B.'s at every other location | 12Sep2008 |
| BZPB1 | SS8CELLS-52 | Timber bent | 12Sep2008 |
| **Part Elevations** | | | |
| ELC1B | SS8CELLS-53 | Backwall w/ curb & bearing PL | 12Sep2008 |
| ELC1E | SS8CELLS-53 | Backwall w/ curb & elastomeric bearing | 12Sep2008 |
| ELC2B | SS8CELLS-54 | Backwall w/o curb & bearing PL | 12Sep2008 |
| ELC2E | SS8CELLS-54 | Backwall w/o curb and elast. bearing | 12Sep2008 |
| ELCV1 | SS8CELLS-55 | Backwall w/ insufficient seat width | 12Sep2008 |
| ELTB1 | SS8CELLS-55 | Timber lagging behind abutment | 12Sep2008 |
| ELTB2 | SS8CELLS-56 | Timber lagging on abutment | 12Sep2008 |

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| CELL NAME | FILE NO. | DESCRIPTION | DATE |
|---|---|---|---|
| **Transverse Sections** | | | |
| TSB1E | SS8CELLS-57 | Bolted angles w/ curb & even beam # | 10Mar2015 |
| TSB1O | SS8CELLS-57 | Bolted angles w/ curb & odd beam # | 10Mar2015 |
| TSB2E | SS8CELLS-58 | B.A.'s w/o curb & even beam # | 10Mar2015 |
| TSB2O | SS8CELLS-58 | B.A.'s w/o curb & odd beam # | 10Mar2015 |
| TSW1E | SS8CELLS-59 | Welded PL's w/ curb & even beam # | 10Mar2015 |
| TSW1O | SS8CELLS-59 | Welded PL's w/ curb & odd beam # | 10Mar2015 |
| TSW2E | SS8CELLS-60 | Welded PL's w/o curb & even beam # | 10Mar2015 |
| TSW2O | SS8CELLS-60 | Welded PL's w/o curb & odd beam # | 10Mar2015 |
| **Framing Plan – Welded Plates with 0° Skew** | | | |
| WPA01 | SS8CELLS-61 | Beam Length ≤ 18'-8" | 12Sep2008 |
| WPA02 | SS8CELLS-61 | 18'-8" < Beam Length ≤ 24'-11" | 12Sep2008 |
| WPA03 | SS8CELLS-62 | 24'-11" < Beam Length ≤ 31'-2" | 12Sep2008 |
| WPA04 | SS8CELLS-62 | 31'-2" < Beam Length ≤ 37'-5" | 12Sep2008 |
| WPA05 | SS8CELLS-63 | 37'-5" < Beam Length ≤ 43'-8" | 12Sep2008 |
| WPA06 | SS8CELLS-63 | 43'-8" < Beam Length ≤ 49'-11" | 12Sep2008 |
| WPA07 | SS8CELLS-64 | 49'-11" < Beam Length ≤ 56'-2" | 12Sep2008 |
| WPA08 | SS8CELLS-64 | 56'-2" < Beam Length ≤ 62'-5" | 12Sep2008 |
| WPA09 | SS8CELLS-65 | 62'-5" < Beam Length ≤ 68'-8" | 12Sep2008 |
| WPA10 | SS8CELLS-65 | 68'-8" < Beam Length ≤ 74'-11" | 12Sep2008 |
| **Framing Plan – Welded Plates with Left Hand Skew** | | | |
| WPL01 | SS8CELLS-66 | Beam Length ≤ 18'-8" | 12Sep2008 |
| WPL02 | SS8CELLS-66 | 18'-8" < Beam Length ≤ 24'-11" | 12Sep2008 |
| WPL03 | SS8CELLS-67 | 24'-11" < Beam Length ≤ 31'-2" | 12Sep2008 |
| WPL04 | SS8CELLS-67 | 31'-2" < Beam Length ≤ 37'-5" | 12Sep2008 |
| WPL05 | SS8CELLS-68 | 37'-5" < Beam Length ≤ 43'-8" | 12Sep2008 |
| WPL06 | SS8CELLS-68 | 43'-8" < Beam Length ≤ 49'-11" | 12Sep2008 |
| WPL07 | SS8CELLS-69 | 49'-11" < Beam Length ≤ 56'-2" | 12Sep2008 |
| WPL08 | SS8CELLS-69 | 56'-2" < Beam Length ≤ 62'-5" | 12Sep2008 |
| WPL09 | SS8CELLS-70 | 62'-5" < Beam Length ≤ 68'-8" | 12Sep2008 |
| WPL10 | SS8CELLS-70 | 68'-8" < Beam Length ≤ 74'-11" | 12Sep2008 |
| **Framing Plan – Welded Plates with Right Hand Skew** | | | |
| WPR01 | SS8CELLS-71 | Beam Length ≤ 18'-8" | 12Sep2008 |
| WPR02 | SS8CELLS-71 | 18'-8" < Beam Length ≤ 24'-11" | 12Sep2008 |
| WPR03 | SS8CELLS-72 | 24'-11" < Beam Length ≤ 31'-2" | 12Sep2008 |
| WPR04 | SS8CELLS-72 | 31'-2" < Beam Length ≤ 37'-5" | 12Sep2008 |
| WPR05 | SS8CELLS-73 | 37'-5" < Beam Length ≤ 43'-8" | 12Sep2008 |
| WPR06 | SS8CELLS-73 | 43'-8" < Beam Length ≤ 49'-11" | 12Sep2008 |
| WPR07 | SS8CELLS-74 | 49'-11" < Beam Length ≤ 56'-2" | 12Sep2008 |
| WPR08 | SS8CELLS-74 | 56'-2" < Beam Length ≤ 62'-5" | 12Sep2008 |
| WPR09 | SS8CELLS-75 | 62'-5" < Beam Length ≤ 68'-8" | 12Sep2008 |
| WPR10 | SS8CELLS-75 | 68'-8" < Beam Length ≤ 74'-11" | 12Sep2008 |

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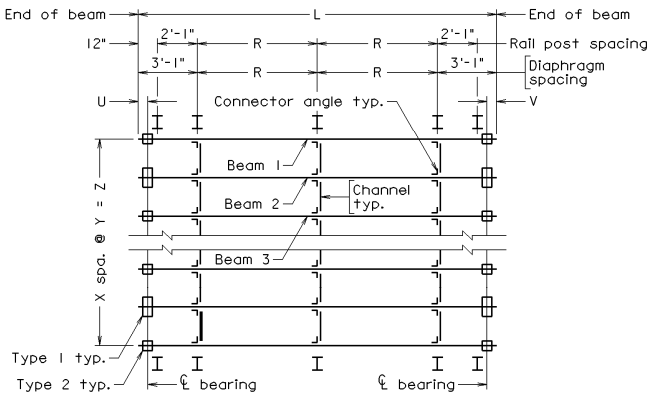
| CELL NAME | FILE NO. | DESCRIPTION | DATE |
|---|---|---|---|
| **Framing Plan – Two-Span with Welded Plates and 0° Skew** | | | |
| WTA01 | SS8CELLS-76 | Beam Length ≤ 18'-8" | 12Sep2008 |
| WTA02 | SS8CELLS-76 | 18'-8" < Beam Length ≤ 24'-11" | 12Sep2008 |
| WTA03 | SS8CELLS-77 | 24'-11" < Beam Length ≤ 31'-2" | 12Sep2008 |
| WTA04 | SS8CELLS-77 | 31'-2" < Beam Length ≤ 37'-5" | 12Sep2008 |
| WTA05 | SS8CELLS-78 | 37'-5" < Beam Length ≤ 43'-8" | 12Sep2008 |
| WTA06 | SS8CELLS-78 | 43'-8" < Beam Length ≤ 49'-11" | 12Sep2008 |
| WTA07 | SS8CELLS-79 | 49'-11" < Beam Length ≤ 56'-2" | 12Sep2008 |
| WTA08 | SS8CELLS-79 | 56'-2" < Beam Length ≤ 62'-5" | 12Sep2008 |
| WTA09 | SS8CELLS-80 | 62'-5" < Beam Length ≤ 68'-8" | 12Sep2008 |
| WTA10 | SS8CELLS-80 | 68'-8" < Beam Length ≤ 74'-11" | 12Sep2008 |
| **Framing Plan – Two-Span with Welded Plates and Left Hand Skew** | | | |
| WTL01 | SS8CELLS-81 | Beam Length ≤ 18'-8" | 12Sep2008 |
| WTL02 | SS8CELLS-81 | 18'-8" < Beam Length ≤ 24'-11" | 12Sep2008 |
| WTL03 | SS8CELLS-82 | 24'-11" < Beam Length ≤ 31'-2" | 12Sep2008 |
| WTL04 | SS8CELLS-82 | 31'-2" < Beam Length ≤ 37'-5" | 12Sep2008 |
| WTL05 | SS8CELLS-83 | 37'-5" < Beam Length ≤ 43'-8" | 12Sep2008 |
| WTL06 | SS8CELLS-83 | 43'-8" < Beam Length ≤ 49'-11" | 12Sep2008 |
| WTL07 | SS8CELLS-84 | 49'-11" < Beam Length ≤ 56'-2" | 12Sep2008 |
| WTL08 | SS8CELLS-84 | 56'-2" < Beam Length ≤ 62'-5" | 12Sep2008 |
| WTL09 | SS8CELLS-85 | 62'-5" < Beam Length ≤ 68'-8" | 12Sep2008 |
| WTL10 | SS8CELLS-85 | 68'-8" < Beam Length ≤ 74'-11" | 12Sep2008 |
| **Framing Plan – Two-Span with Welded Plates and Right Hand Skew** | | | |
| WTR01 | SS8CELLS-86 | Beam Length ≤ 18'-8" | 12Sep2008 |
| WTR02 | SS8CELLS-86 | 18'-8" < Beam Length ≤ 24'-11" | 12Sep2008 |
| WTR03 | SS8CELLS-87 | 24'-11" < Beam Length ≤ 31'-2" | 12Sep2008 |
| WTR04 | SS8CELLS-87 | 31'-2" < Beam Length ≤ 37'-5" | 12Sep2008 |
| WTR05 | SS8CELLS-88 | 37'-5" < Beam Length ≤ 43'-8" | 12Sep2008 |
| WTR06 | SS8CELLS-88 | 43'-8" < Beam Length ≤ 49'-11" | 12Sep2008 |
| WTR07 | SS8CELLS-89 | 49'-11" < Beam Length ≤ 56'-2" | 12Sep2008 |
| WTR08 | SS8CELLS-89 | 56'-2" < Beam Length ≤ 62'-5" | 12Sep2008 |
| WTR09 | SS8CELLS-90 | 62'-5" < Beam Length ≤ 68'-8" | 12Sep2008 |
| WTR10 | SS8CELLS-90 | 68'-8" < Beam Length ≤ 74'-11" | 12Sep2008 |

| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAA01** | Framing plan with 0° skew and bolted angles<br>(L ≤ 18'-8")<br>(approx. 0.40 of actual cell size) |

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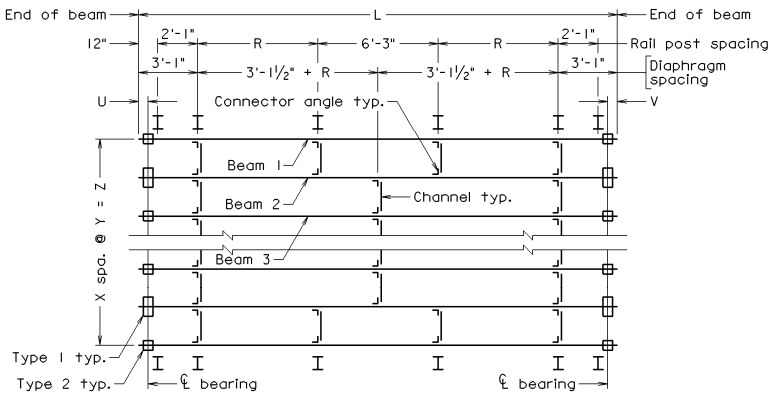
| | | |
|---|---|---|
| | **BAA02** | Framing plan with 0° skew and bolted angles<br>(18'-8" < L ≤ 24'-11")<br>(approx. 0.40 of actual cell size) |

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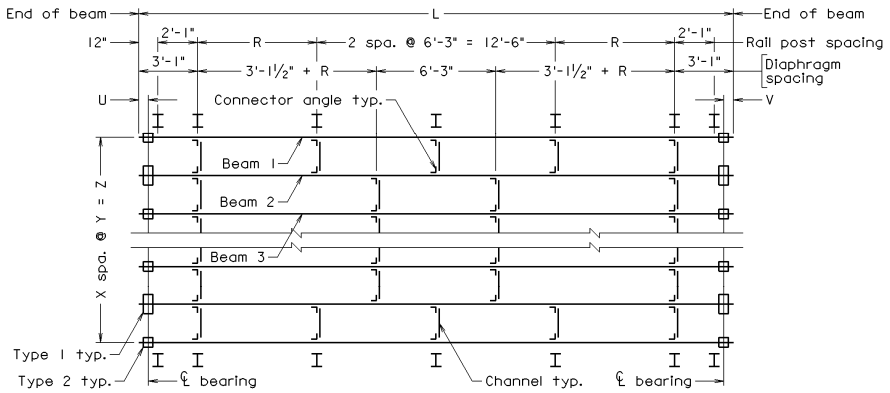
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAA03** | Framing plan with 0° skew and bolted angles<br>(24'-11" < L ≤ 31'-2")<br>(approx. 0.40 of actual cell size) |

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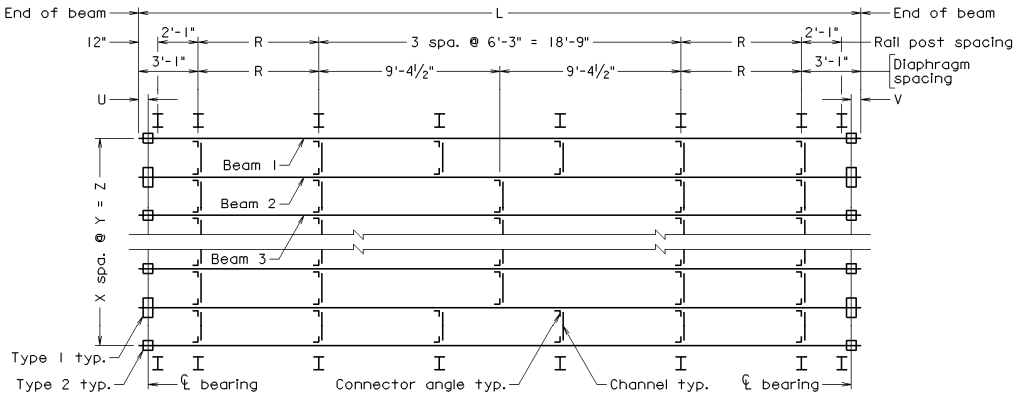
| | | |
|---|---|---|
| | **BAA04** | Framing plan with 0° skew and bolted angles<br>(31'-2" < L ≤ 37'-5")<br>(approx. 0.40 of actual cell size) |

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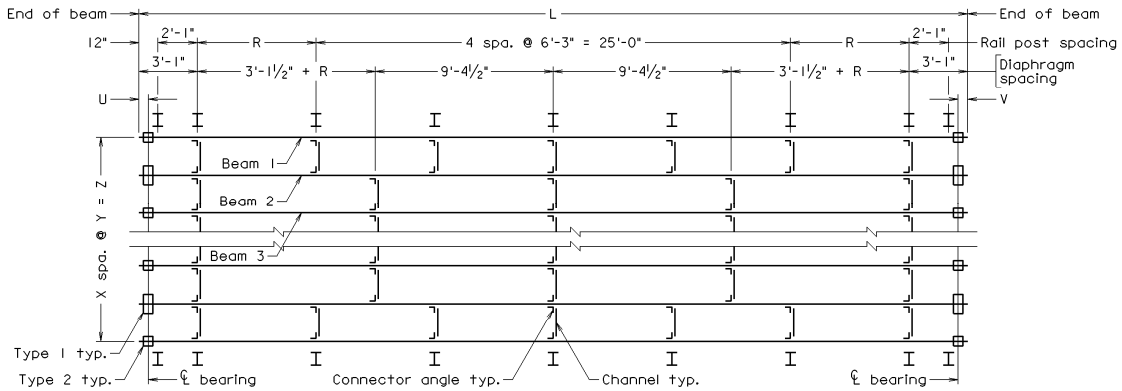
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAA05** | Framing plan with 0° skew and bolted angles<br>(37'-5" < L ≤ 43'-8")<br>(approx. 0.40 of actual cell size) |

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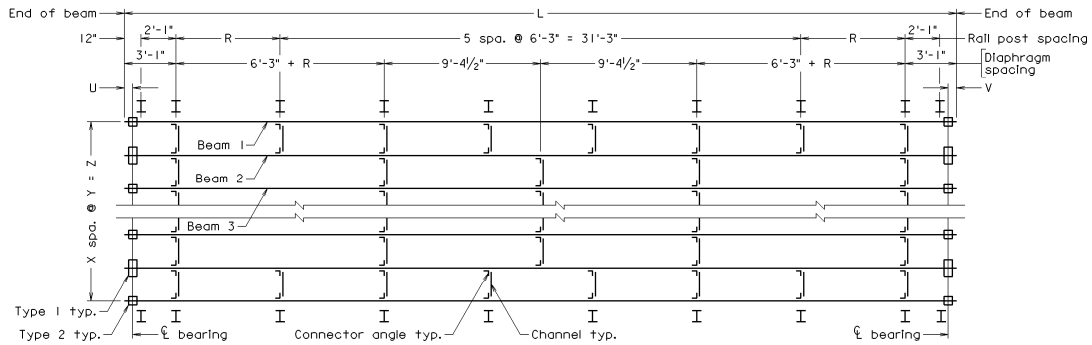
| | | |
|---|---|---|
| | **BAA06** | Framing plan with 0° skew and bolted angles<br>(43'-8" < L ≤ 49'-11")<br>(approx. 0.35 of actual cell size) |

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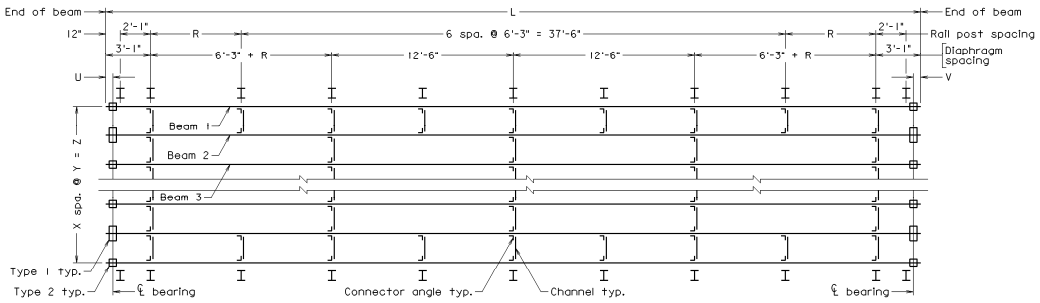
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAA07** | Framing plan with 0° skew and bolted angles<br>(49'-11" < L ≤ 56'-2")<br>(approx. 0.30 of actual cell size) |

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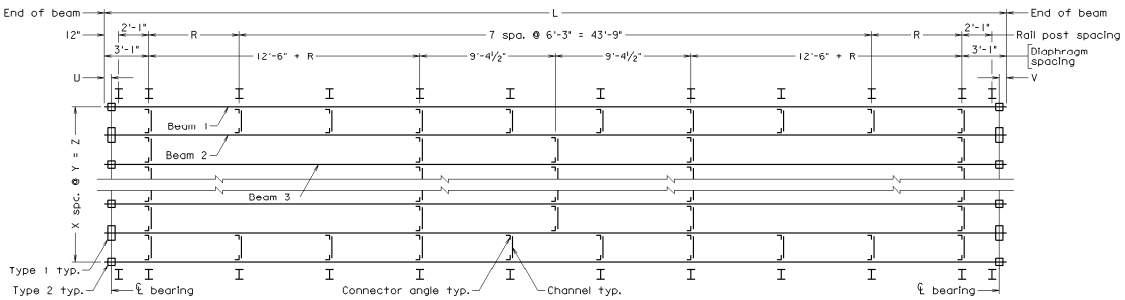
| | | |
|---|---|---|
| | **BAA08** | Framing plan with 0° skew and bolted angles<br>(56'-2" < L ≤ 62'-5")<br>(approx. 0.30 of actual cell size) |

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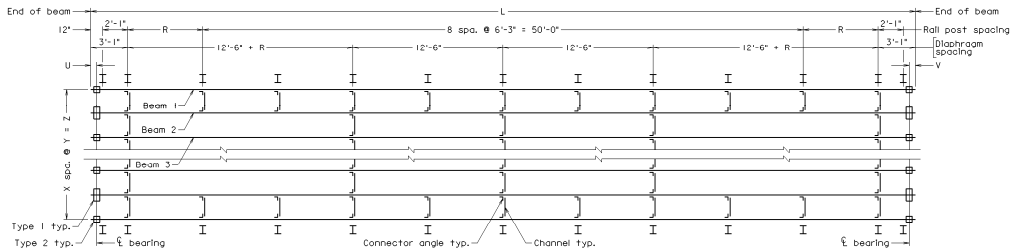
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAA09** | Framing plan with 0° skew and bolted angles<br>(62'-5" < L ≤ 68'-8")<br>(approx. 0.25 of actual cell size) |

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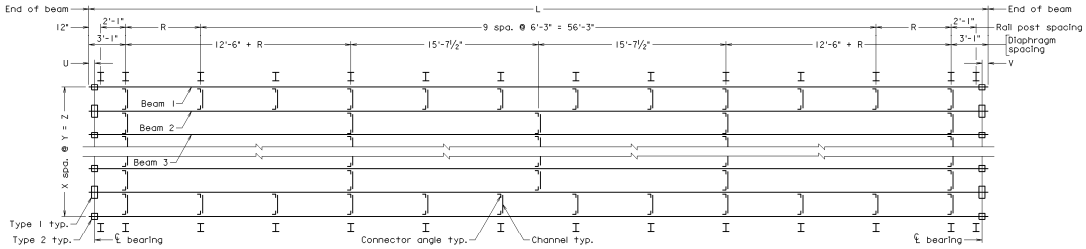
| | | |
|---|---|---|
| | **BAA10** | Framing plan with 0° skew and bolted angles<br>(68'-8" < L ≤ 74'-11")<br>(approx. 0.25 of actual cell size) |

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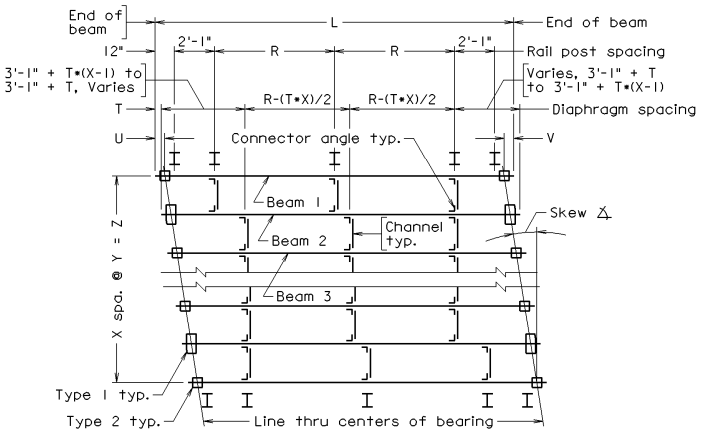
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAL01** | Framing plan with left hand skew ≤ 9° and bolted angles (L ≤ 18'-8") (approx. 0.40 of actual cell size) |

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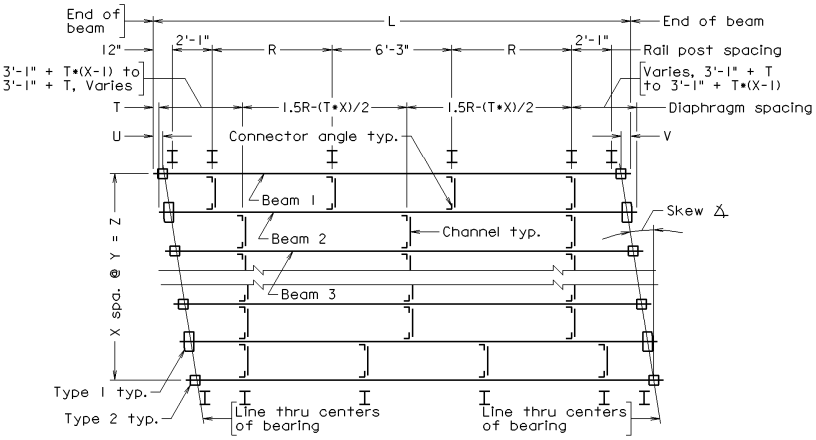
| | | |
|---|---|---|
| | **BAL02** | Framing plan with left hand skew ≤ 9° and bolted angles (18'-8" < L ≤ 24'-11") (approx. 0.40 of actual cell size) |

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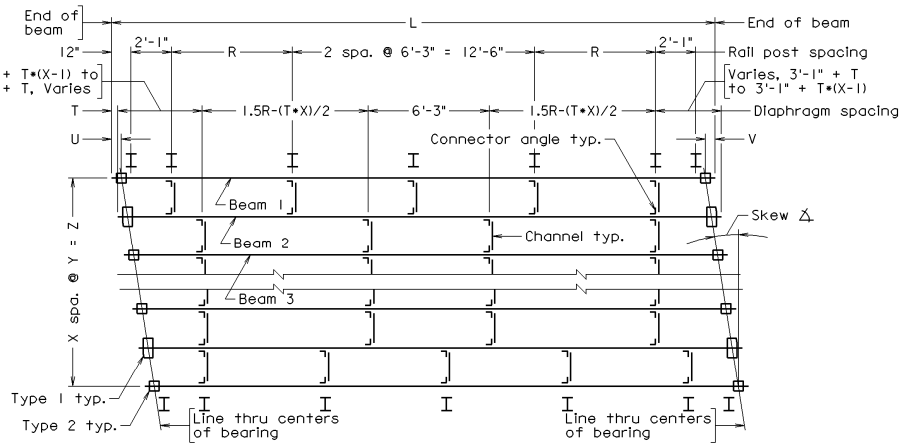
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAL03** | Framing plan with left hand skew ≤ 9° and bolted angles (24'-11" < L ≤ 31'-2") (approx. 0.40 of actual cell size) |

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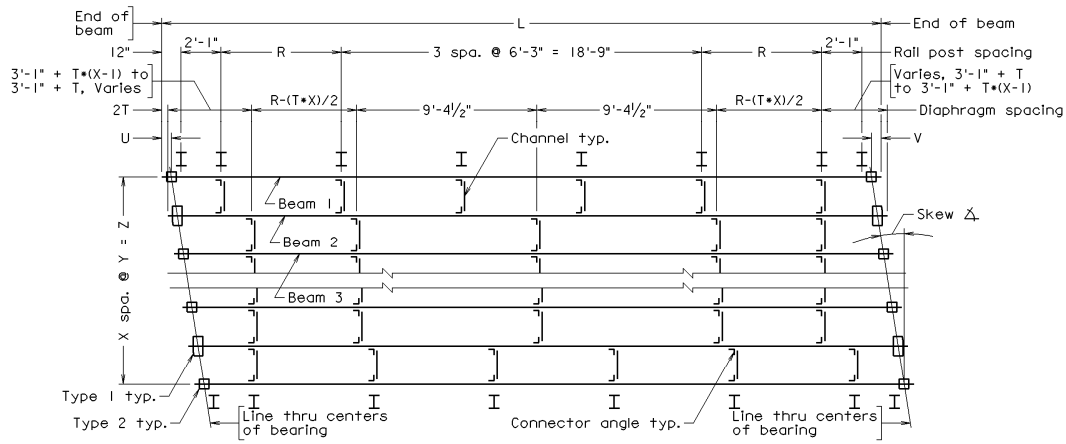
|---|---|---|
| | **BAL04** | Framing plan with left hand skew ≤ 9° and bolted angles (31'-2" < L ≤ 37'-5") (approx. 0.40 of actual cell size) |

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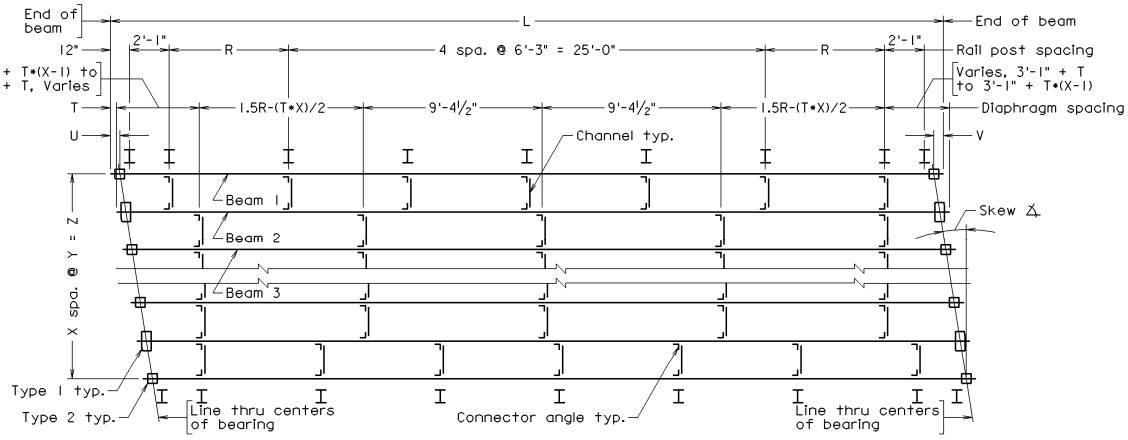
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAL05** | Framing plan with left hand skew ≤ 9° and bolted angles (37'-5" < L ≤ 43'-8") (approx. 0.40 of actual cell size) |

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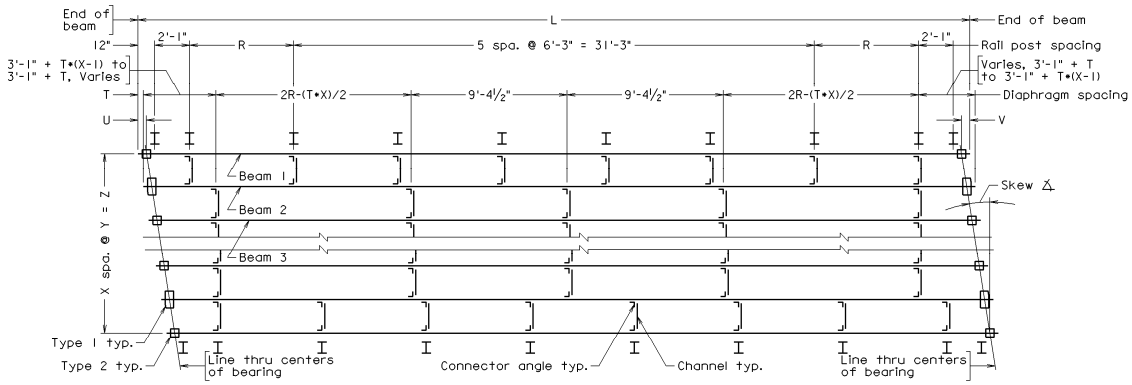
|---|---|---|
| | **BAL06** | Framing plan with left hand skew ≤ 9° and bolted angles (43'-8" < L ≤ 49'-11") (approx. 0.35 of actual cell size) |

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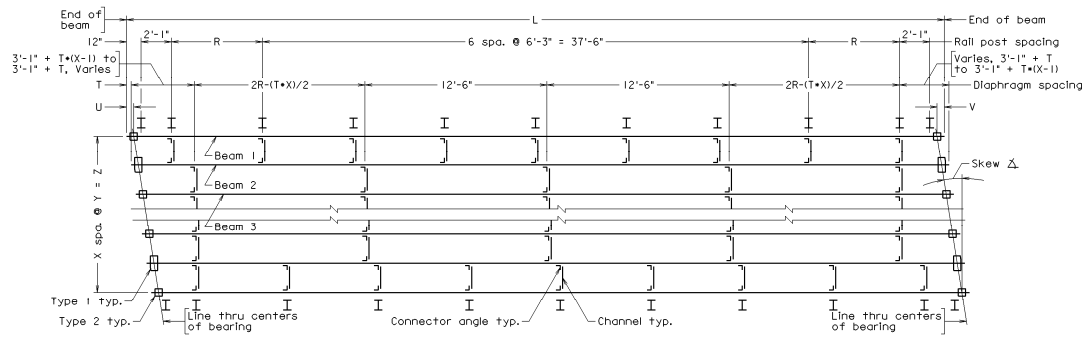
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAL07** | Framing plan with left hand skew ≤ 9° and bolted angles (49'-11" < L ≤ 56'-2") (approx. 0.30 of actual cell size) |

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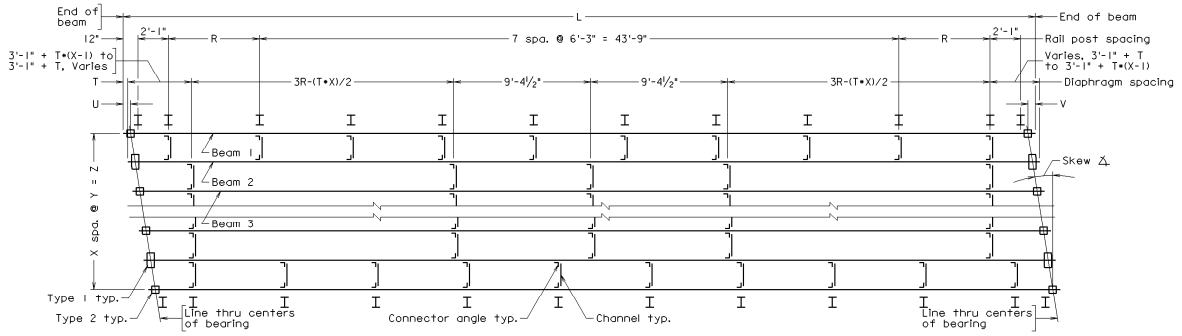
| | | |
|---|---|---|
| | **BAL08** | Framing plan with left hand skew ≤ 9° and bolted angles (56'-2" < L ≤ 62'-5") (approx. 0.30 of actual cell size) |

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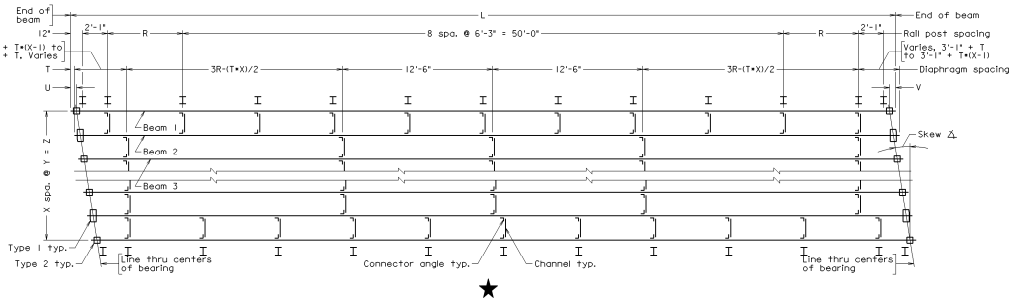
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAL09** | Framing plan with left hand skew ≤ 9° and bolted angles (62'-5" < L ≤ 68'-8") (approx. 0.25 of actual cell size) |

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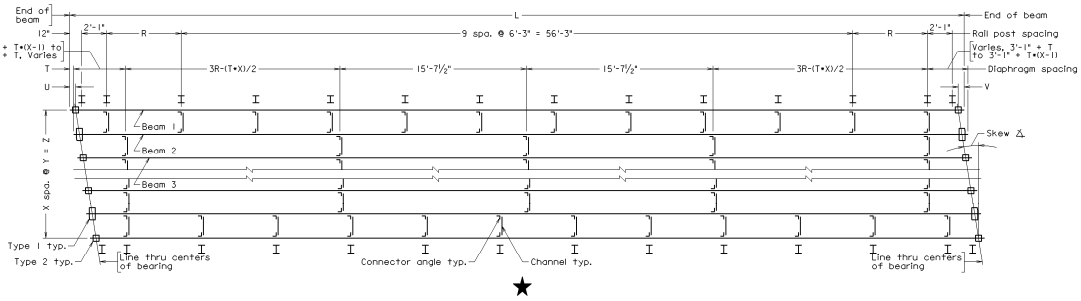
| | | |
|---|---|---|
| | **BAL10** | Framing plan with left hand skew ≤ 9° and bolted angles (68'-8" < L ≤ 74'-11") (approx. 0.25 of actual cell size) |

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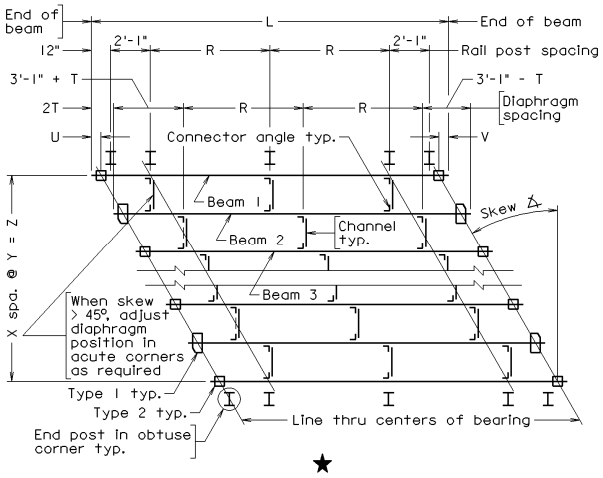
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAL11** | Framing plan with left hand skew > 9° and bolted angles (L ≤ 18'-8") (approx. 0.40 of actual cell size) |

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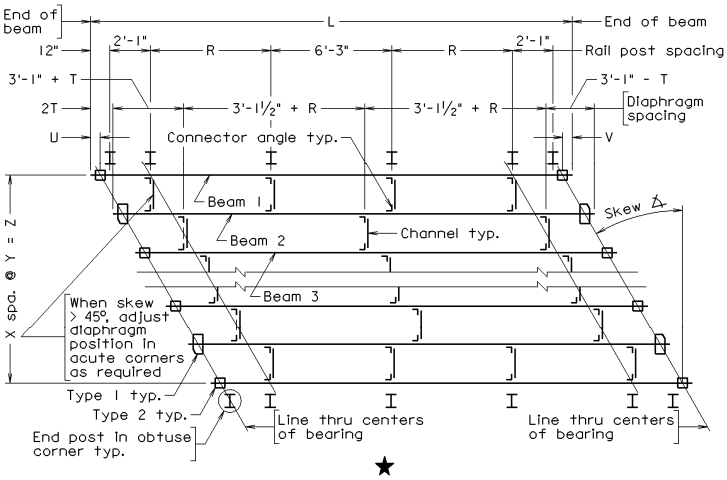
|---|---|---|
| | **BAL12** | Framing plan with left hand skew > 9° and bolted angles (18'-8" < L ≤ 24'-11") (approx. 0.40 of actual cell size) |

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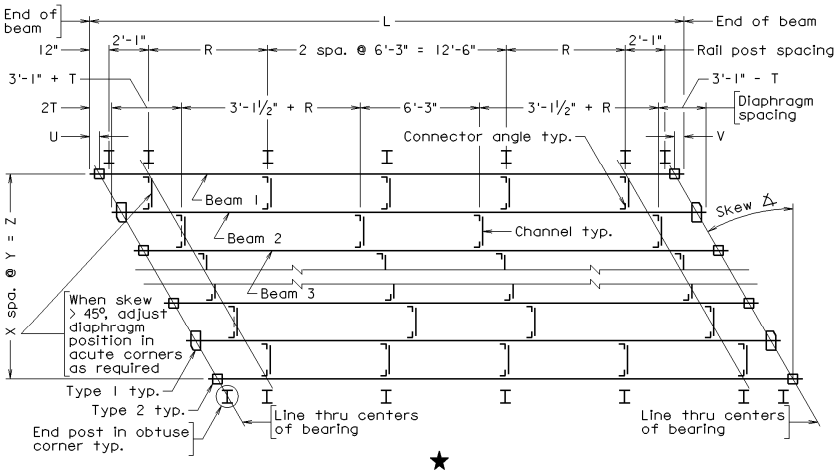
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAL13** | Framing plan with left hand skew > 9° and bolted angles (24'-11" < L ≤ 31'-2") (approx. 0.40 of actual cell size) |

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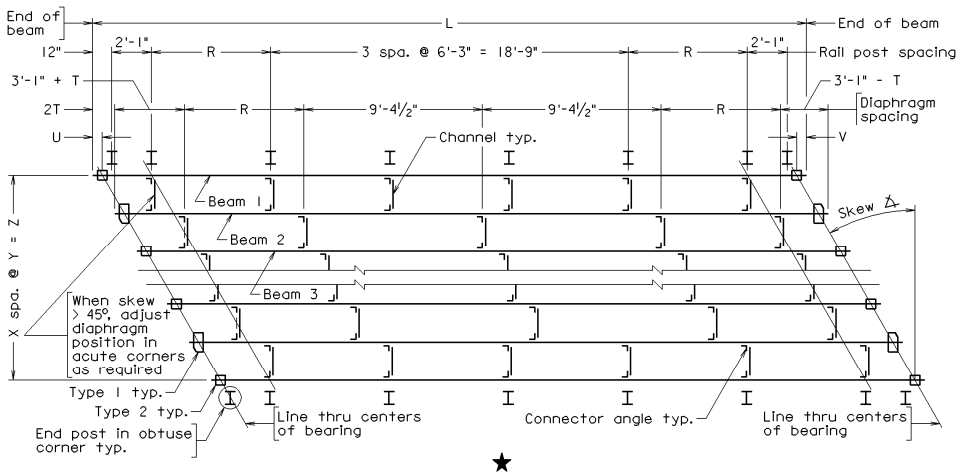
| | | |
|---|---|---|
| | **BAL14** | Framing plan with left hand skew > 9° and bolted angles (31'-2" < L ≤ 37'-5") (approx. 0.40 of actual cell size) |

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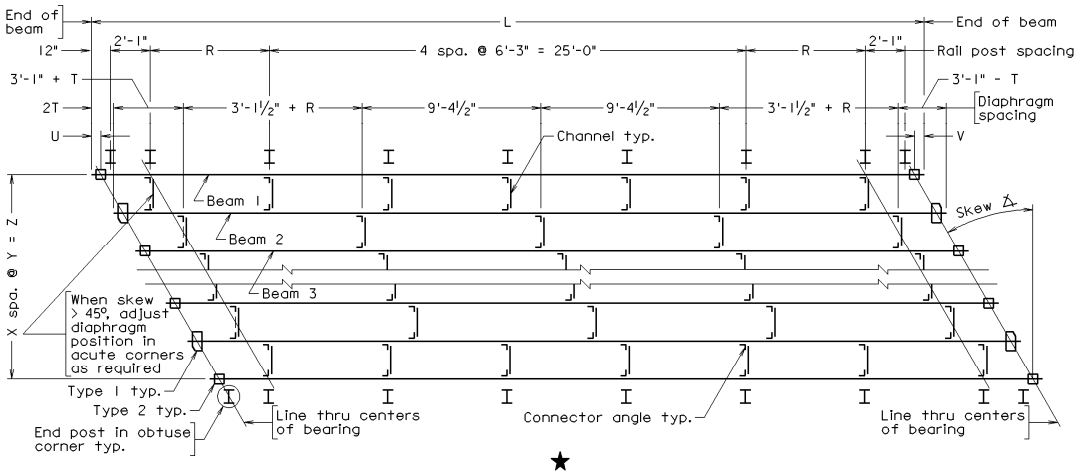
|---|---|
| **SS-8 STEEL BEAM WITH TIMBER DECK STANDARDS**<br>**CELL LIBRARY: SS8.CEL**<br>**CELLS** | PART 8<br>DATE: 12Sep2008<br>SHEET 12 of 90<br>FILE NO. SS8CELLS-12 |

| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAL15** | Framing plan with left hand skew > 9° and bolted angles (37'-5" < L ≤ 43'-8") (approx. 0.40 of actual cell size) |

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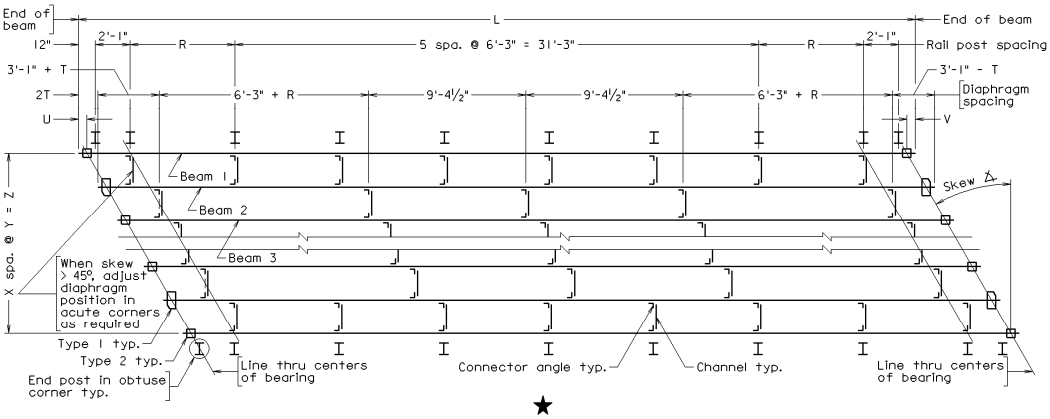
| | | |
|---|---|---|
| | **BAL16** | Framing plan with left hand skew > 9° and bolted angles (43'-8" < L ≤ 49'-11") (approx. 0.35 of actual cell size) |

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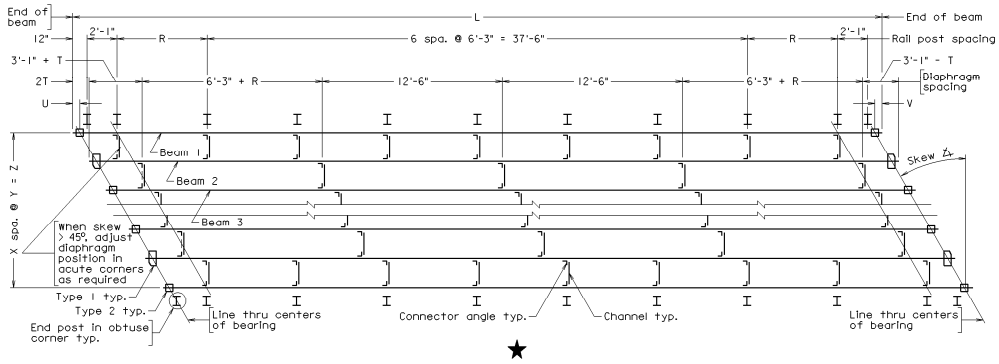
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAL17** | Framing plan with left hand skew > 9° and bolted angles (49'-11" < L ≤ 56'-2") (approx. 0.30 of actual cell size) |

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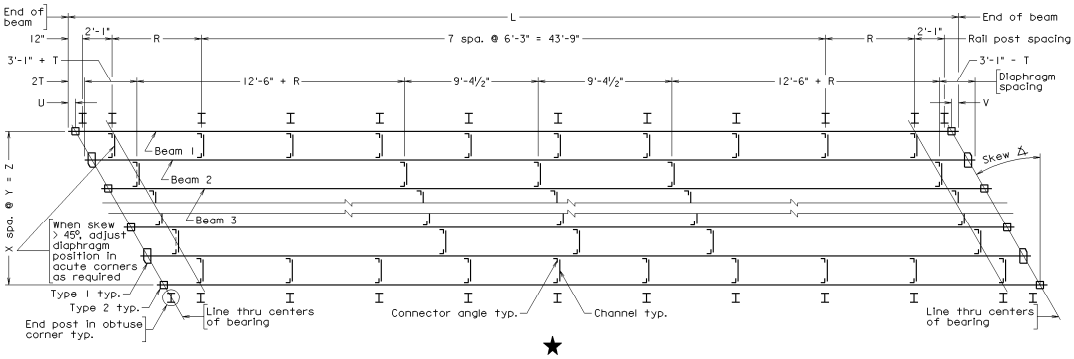
| | | |
|---|---|---|
| | **BAL18** | Framing plan with left hand skew > 9° and bolted angles (56'-2" < L ≤ 62'-5") (approx. 0.30 of actual cell size) |

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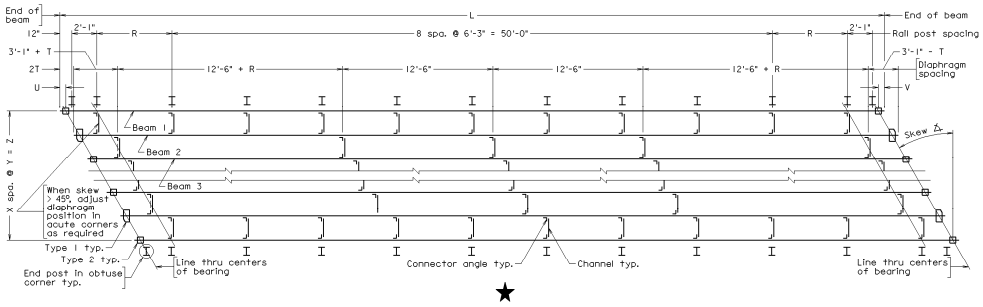
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAL19** | Framing plan with left hand skew > 9° and bolted angles (62'-5" < L ≤ 68'-8") (approx. 0.25 of actual cell size) |

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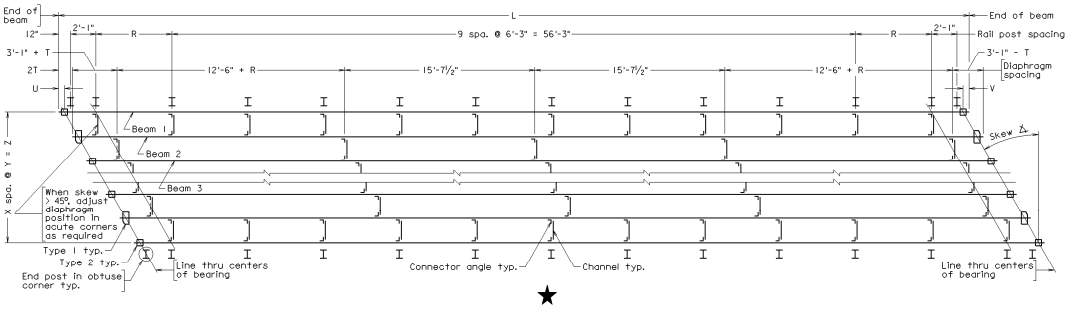
| | | |
|---|---|---|
| | **BAL20** | Framing plan with left hand skew > 9° and bolted angles (68'-8" < L ≤ 74'-11") (approx. 0.25 of actual cell size) |

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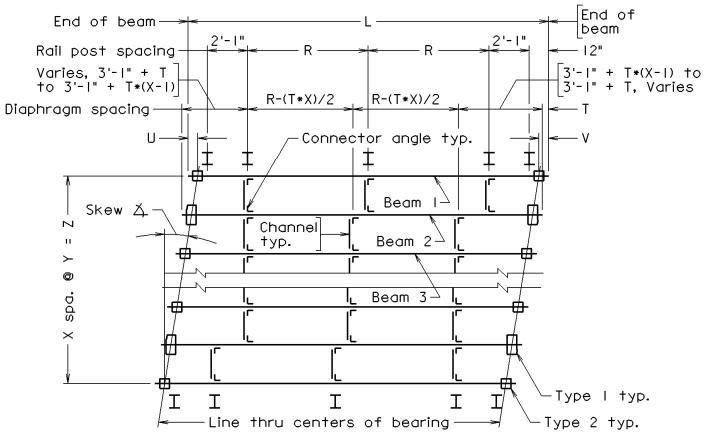
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAR01** | Framing plan with right hand skew ≤ 9° and bolted angles (L ≤ 18'-8") (approx. 0.40 of actual cell size) |

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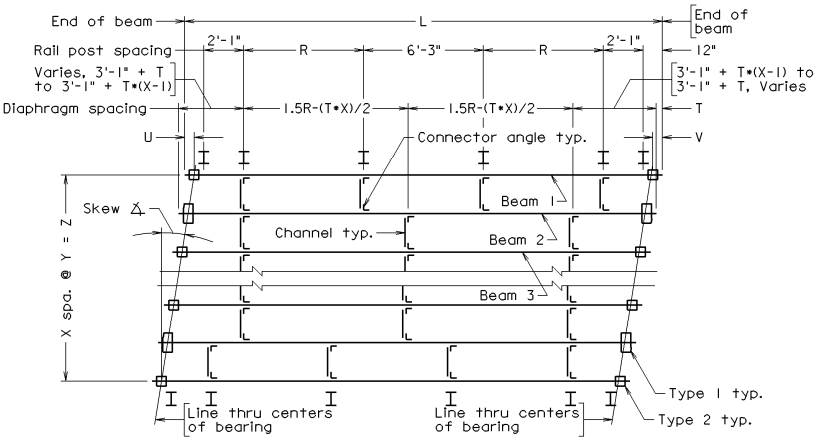
| | | |
|---|---|---|
| | **BAR02** | Framing plan with right hand skew ≤ 9° and bolted angles (18'-8" < L ≤ 24'-11") (approx. 0.40 of actual cell size) |

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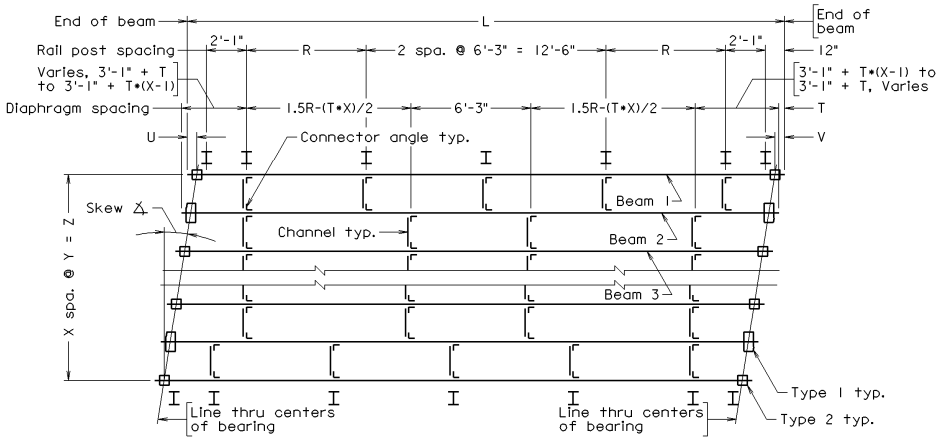
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAR03** | Framing plan with right hand skew ≤ 9° and bolted angles (24'-11" < L ≤ 31'-2") (approx. 0.40 of actual cell size) |

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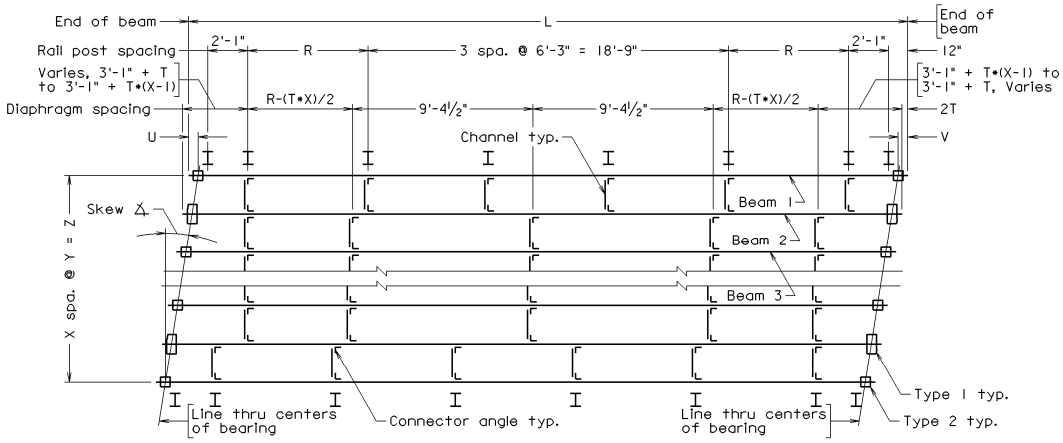
|---|---|---|
| | **BAR04** | Framing plan with right hand skew ≤ 9° and bolted angles (31'-2" < L ≤ 37'-5") (approx. 0.40 of actual cell size) |

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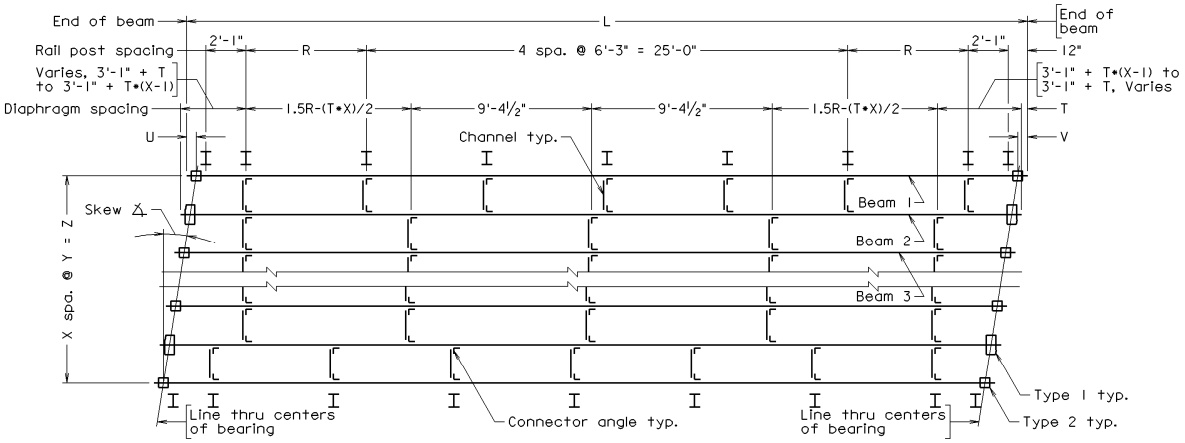
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAR05** | Framing plan with right hand skew ≤ 9° and bolted angles (37'-5" < L ≤ 43'-8") (approx. 0.40 of actual cell size) |

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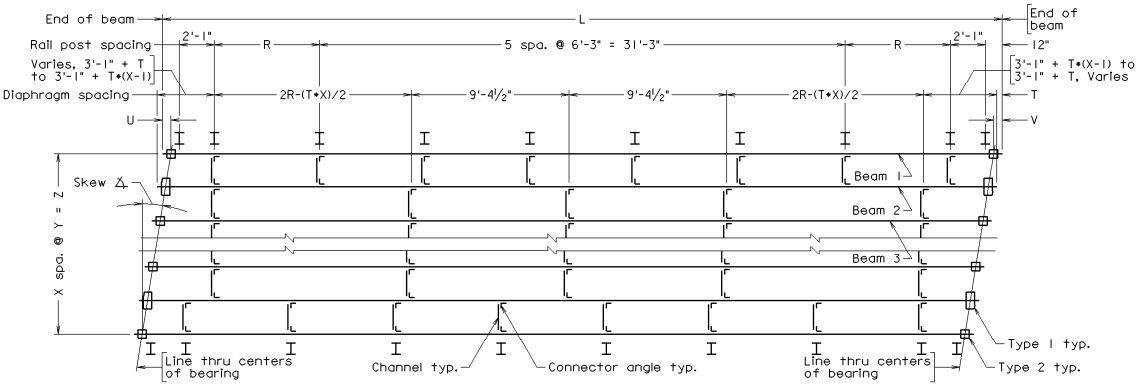
| | | |
|---|---|---|
| | **BAR06** | Framing plan with right hand skew ≤ 9° and bolted angles (43'-8" < L ≤ 49'-11") (approx. 0.35 of actual cell size) |

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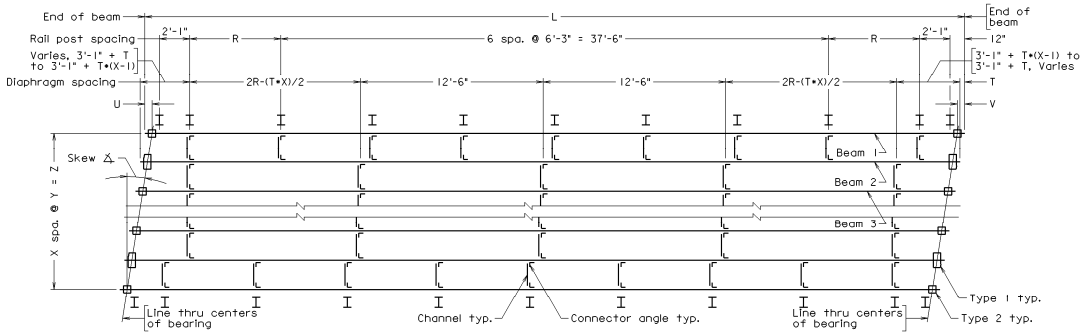
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAR07** | Framing plan with right hand skew ≤ 9° and bolted angles (49'-11" < L ≤ 56'-2") (approx. 0.30 of actual cell size) |

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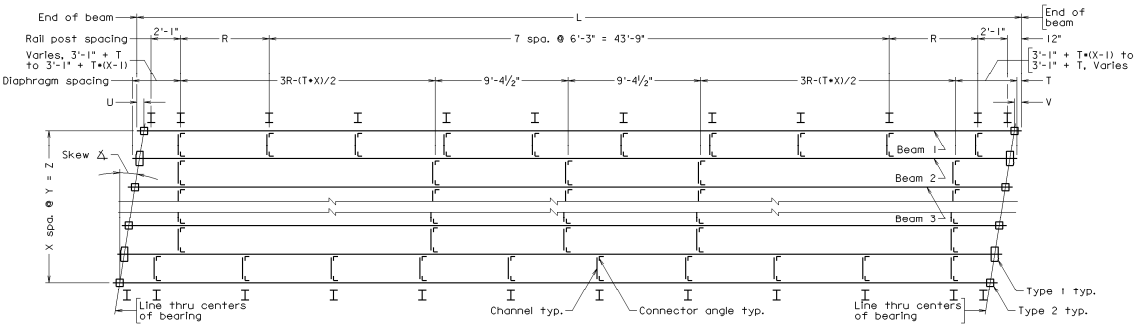
|---|---|---|
| | **BAR08** | Framing plan with right hand skew ≤ 9° and bolted angles (56'-2" < L ≤ 62'-5") (approx. 0.30 of actual cell size) |

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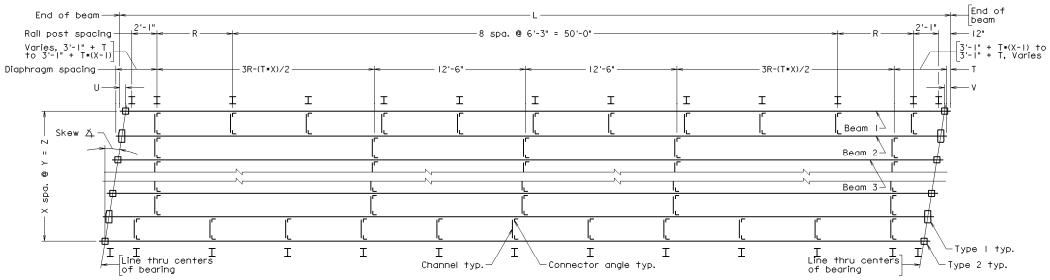
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAR09** | Framing plan with right hand skew ≤ 9° and bolted angles (62'-5" < L ≤ 68'-8") (approx. 0.25 of actual cell size) |

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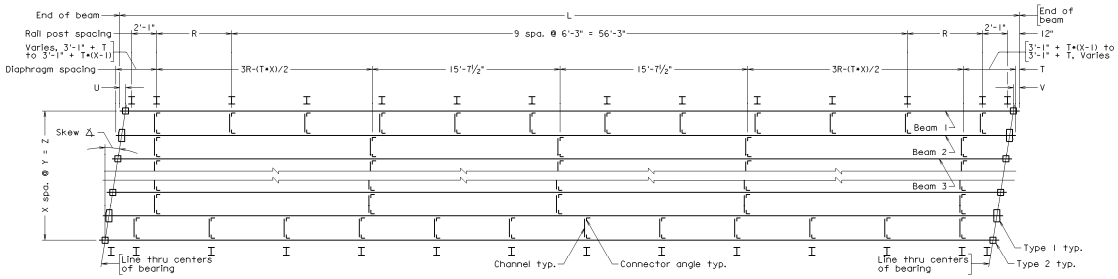
|---|---|---|
| | **BAR10** | Framing plan with right hand skew ≤ 9° and bolted angles (68'-8" < L ≤ 74'-11") (approx. 0.25 of actual cell size) |

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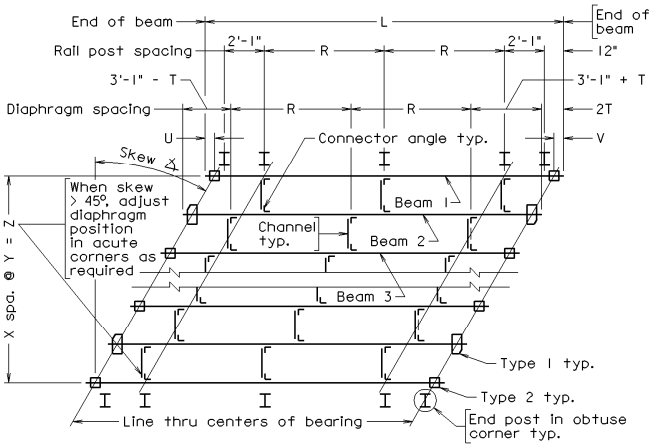
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAR11** | Framing plan with right hand skew > 9° and bolted angles (L ≤ 18'-8") (approx. 0.40 of actual cell size) |

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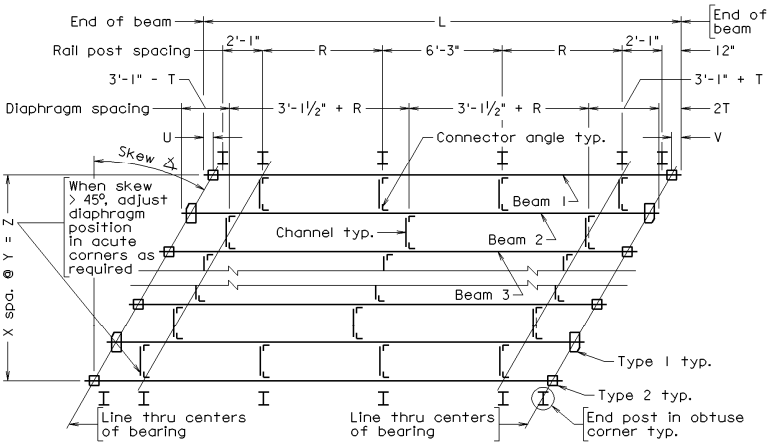
|---|---|---|
| | **BAR12** | Framing plan with right hand skew > 9° and bolted angles (18'-8" < L ≤ 24'-11") (approx. 0.40 of actual cell size) |

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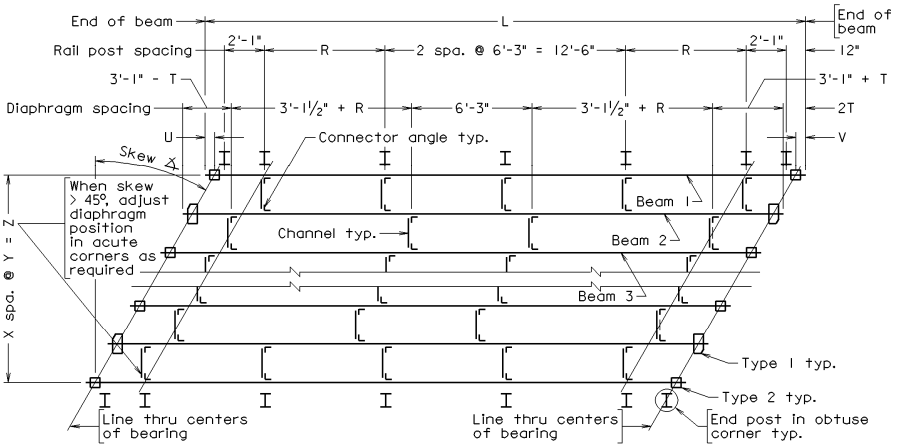
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAR13** | Framing plan with right hand skew > 9° and bolted angles (24'-11" < L ≤ 31'-2") (approx. 0.40 of actual cell size) |

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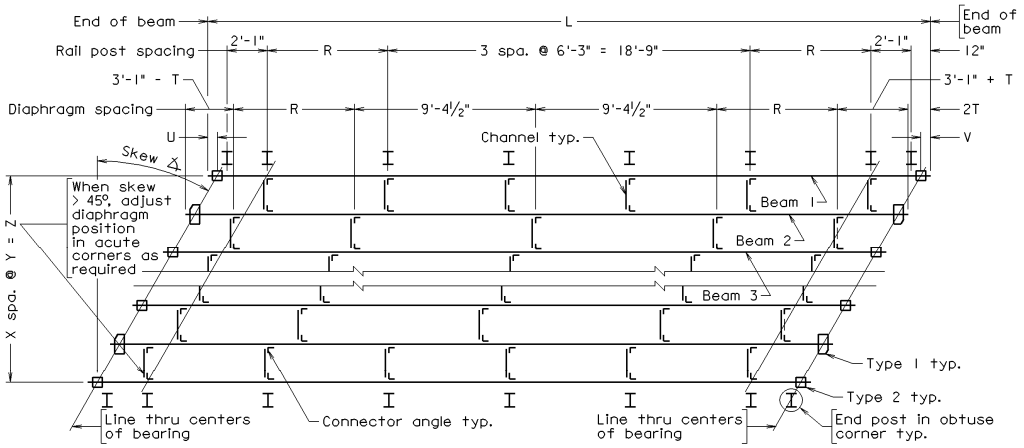
|---|---|---|
| | **BAR14** | Framing plan with right hand skew > 9° and bolted angles (31'-2" < L ≤ 37'-5") (approx. 0.40 of actual cell size) |

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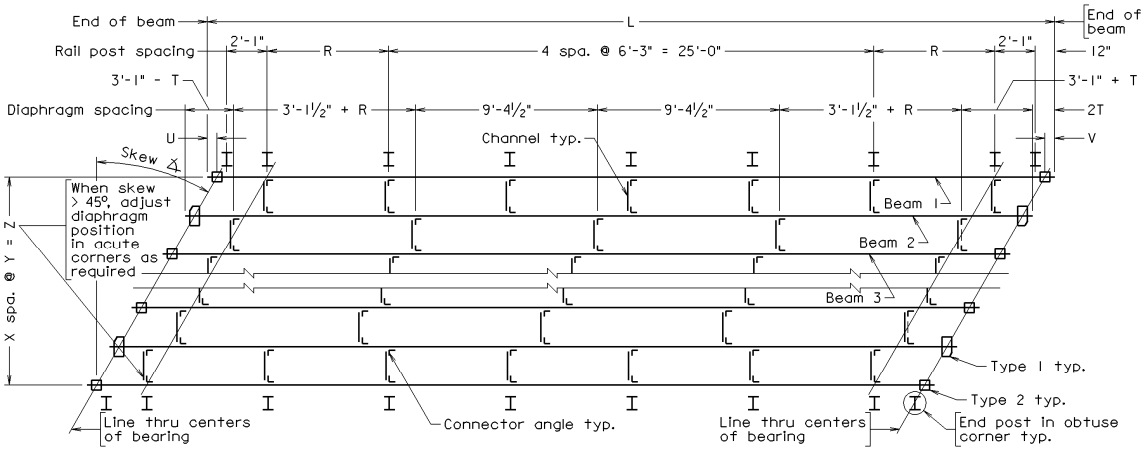
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAR15** | Framing plan with right hand skew > 9° and bolted angles (37'-5" < L ≤ 43'-8") (approx. 0.40 of actual cell size) |

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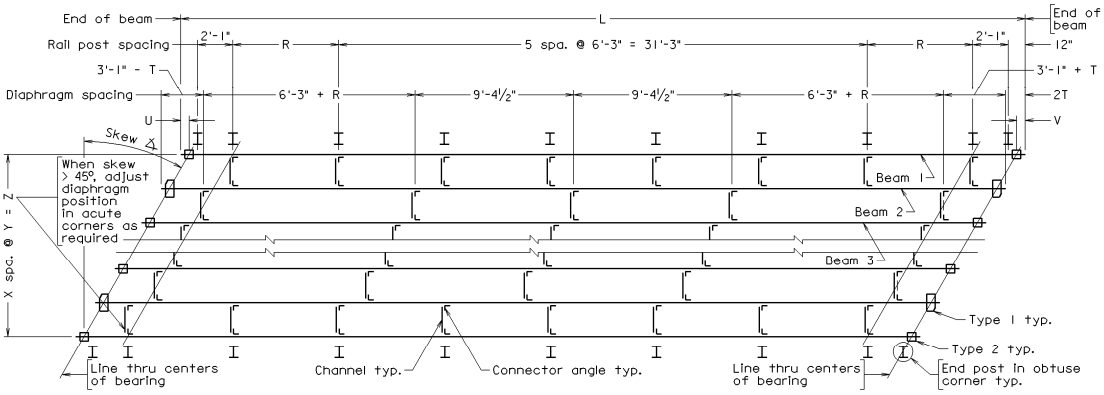
| | | |
|---|---|---|
| | **BAR16** | Framing plan with right hand skew > 9° and bolted angles (43'-8" < L ≤ 49'-11") (approx. 0.35 of actual cell size) |

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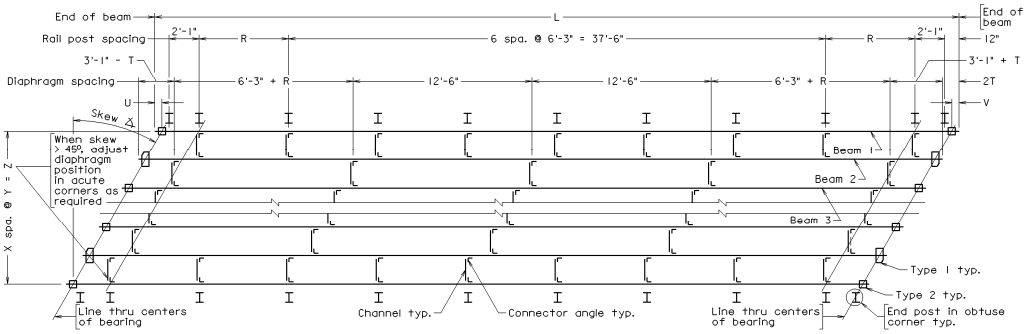
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAR17** | Framing plan with right hand skew > 9° and bolted angles (49'-11" < L ≤ 56'-2") (approx. 0.30 of actual cell size) |

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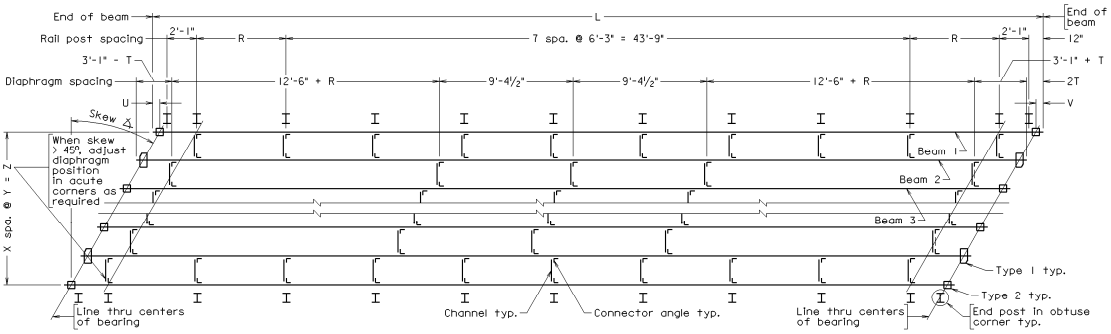
| | | |
|---|---|---|
| | **BAR18** | Framing plan with right hand skew > 9° and bolted angles (56'-2" < L ≤ 62'-5") (approx. 0.30 of actual cell size) |

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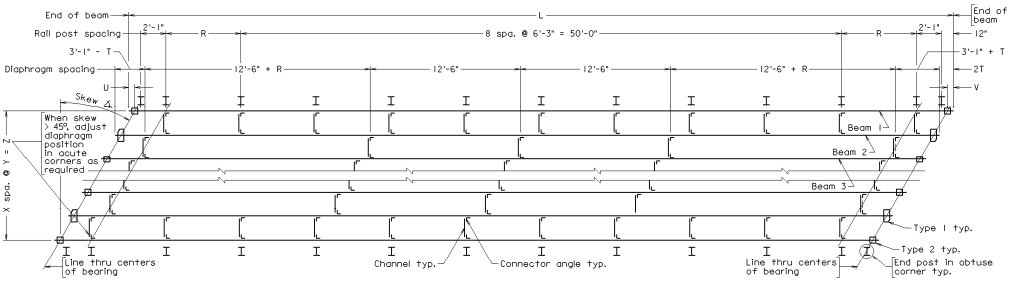
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BAR19** | Framing plan with right hand skew > 9° and bolted angles (62'-5" < L ≤ 68'-8") (approx. 0.25 of actual cell size) |

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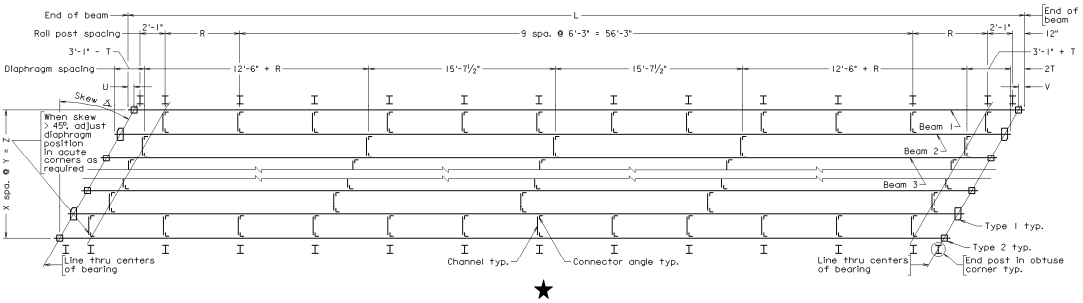
| | | |
|---|---|---|
| | **BAR20** | Framing plan with right hand skew > 9° and bolted angles (68'-8" < L ≤ 74'-11") (approx. 0.25 of actual cell size) |

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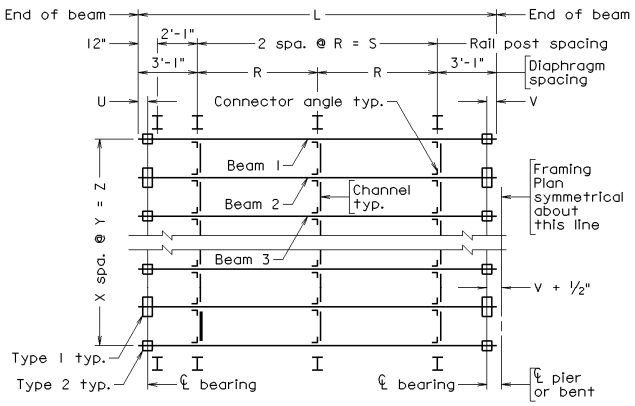
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTA01** | Two-span framing plan with 0° skew and bolted angles<br>(L ≤ 18'-8")<br>(approx. 0.40 of actual cell size) |

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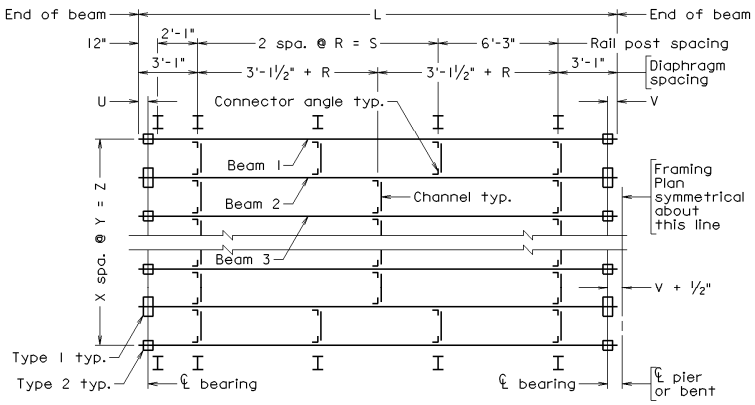
| | | |
|---|---|---|
| | **BTA02** | Two-span framing plan with 0° skew and bolted angles<br>(18'-8" < L ≤ 24'-11")<br>(approx. 0.40 of actual cell size) |

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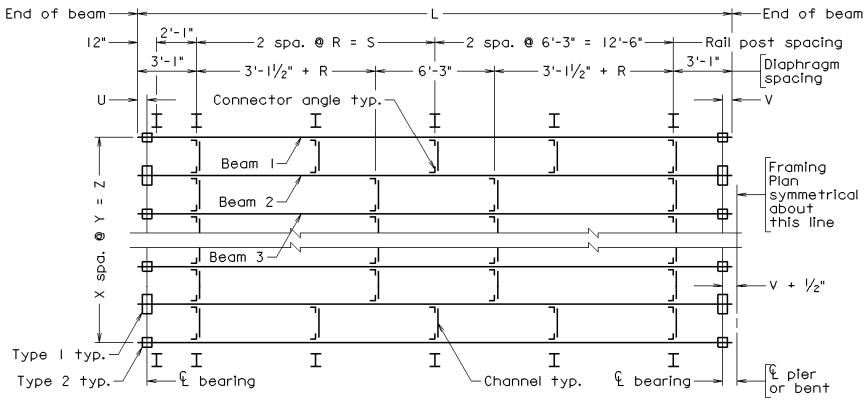
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTA03** | Two-span framing plan with 0° skew and bolted angles<br>(24'-11" < L ≤ 31'-2")<br>(approx. 0.40 of actual cell size) |

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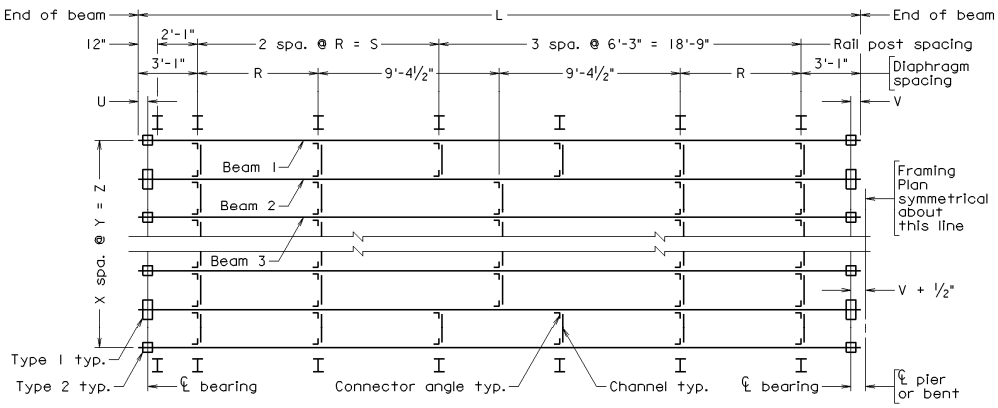
|---|---|---|
| | **BTA04** | Two-span framing plan with 0° skew and bolted angles<br>(31'-2" < L ≤ 37'-5")<br>(approx. 0.40 of actual cell size) |

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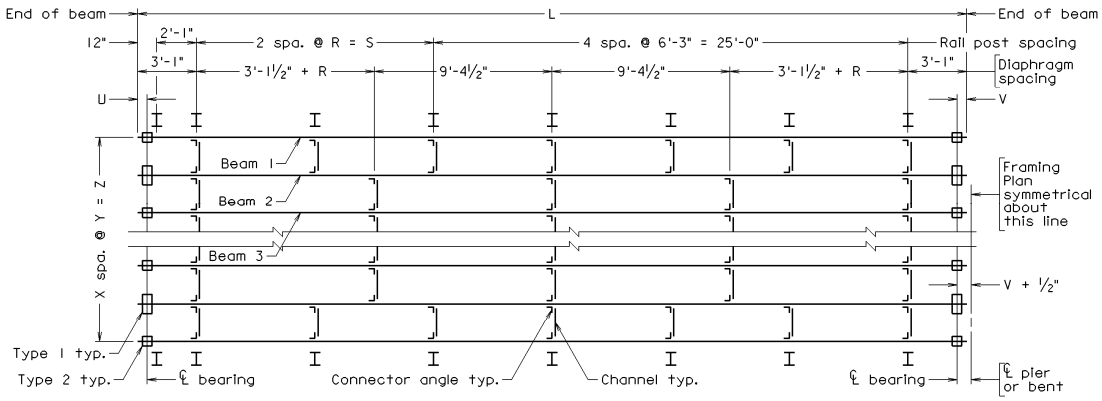
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTA05** | Two-span framing plan with 0° skew and bolted angles<br>(37'-5" < L ≤ 43'-8")<br>(approx. 0.40 of actual cell size) |

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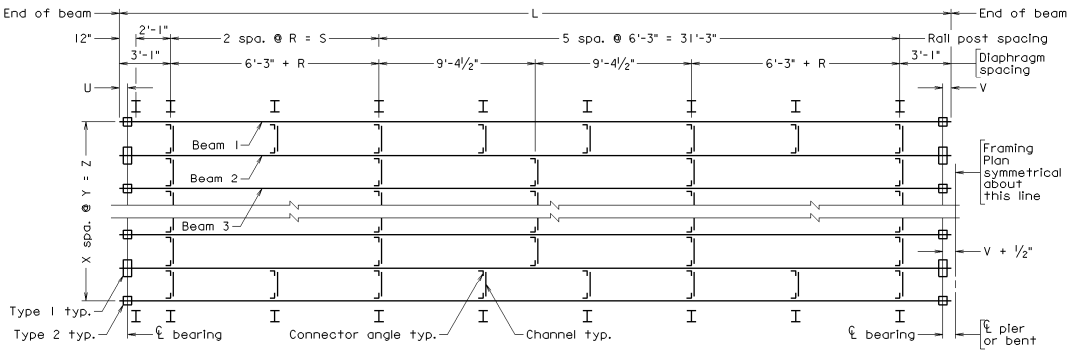
|---|---|---|
| | **BTA06** | Two-span framing plan with 0° skew and bolted angles<br>(43'-8" < L ≤ 49'-11")<br>(approx. 0.35 of actual cell size) |

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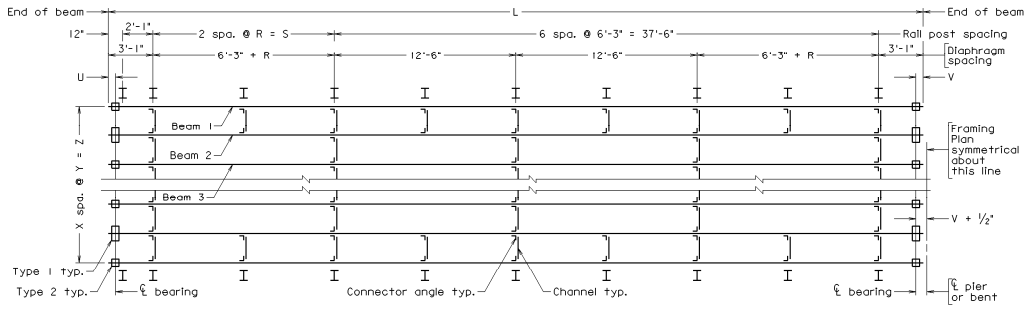
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTA07** | Two-span framing plan with 0° skew and bolted angles<br>(49'-11" < L ≤ 56'-2")<br>(approx. 0.30 of actual cell size) |

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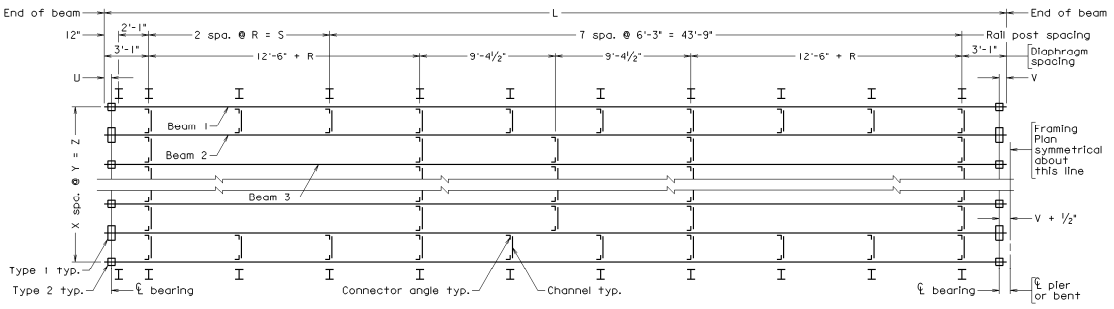
|---|---|---|
| | **BTA08** | Two-span framing plan with 0° skew and bolted angles<br>(56'-2" < L ≤ 62'-5")<br>(approx. 0.30 of actual cell size) |

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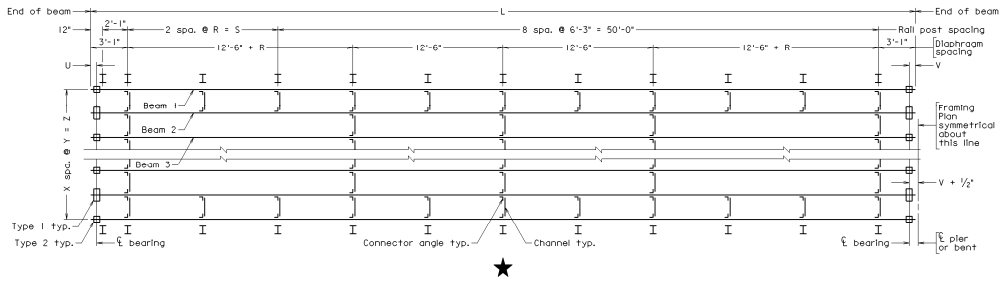
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTA09** | Two-span framing plan with 0° skew and bolted angles<br>(62'-5" < L ≤ 68'-8")<br>(approx. 0.25 of actual cell size) |

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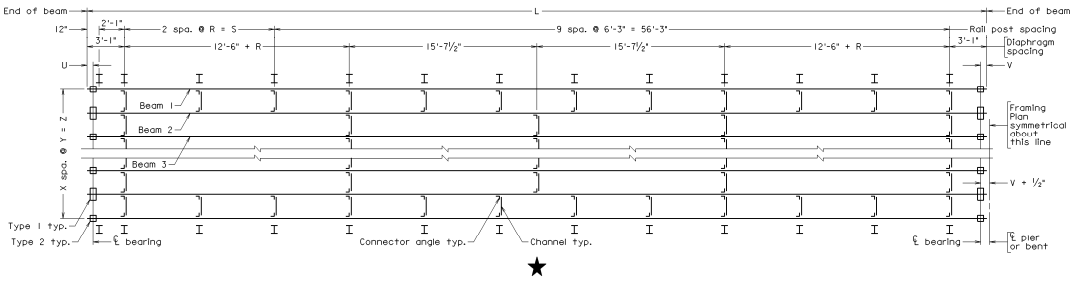
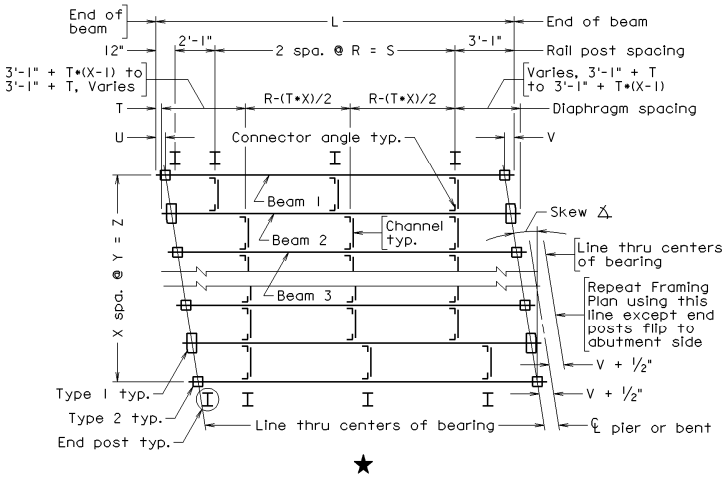
|---|---|---|
| | **BTA10** | Two-span framing plan with 0° skew and bolted angles<br>(68'-8" < L ≤ 74'-11")<br>(approx. 0.25 of actual cell size) |



| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTL01** | Two-span framing plan with left hand skew ≤ 9° and bolted angles (L ≤ 18'-8") (approx. 0.40 of actual cell size) |

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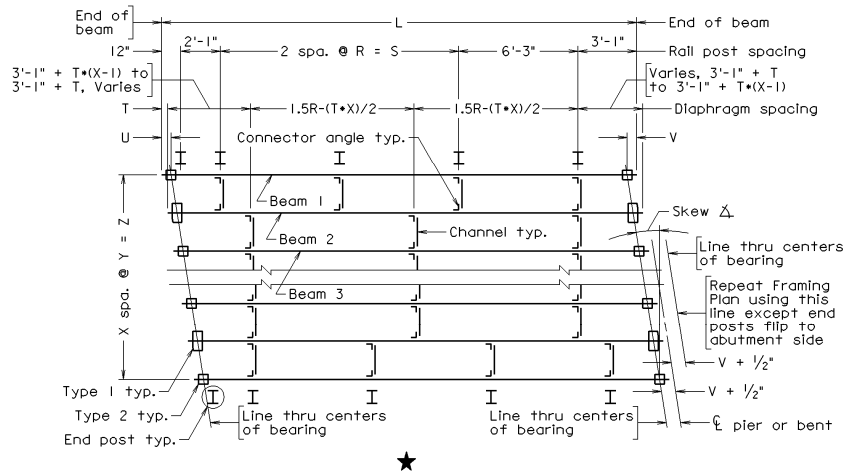
|---|---|---|
| | **BTL02** | Two-span framing plan with left hand skew ≤ 9° and bolted angles (18'-8" < L ≤ 24'-11") (approx. 0.40 of actual cell size) |

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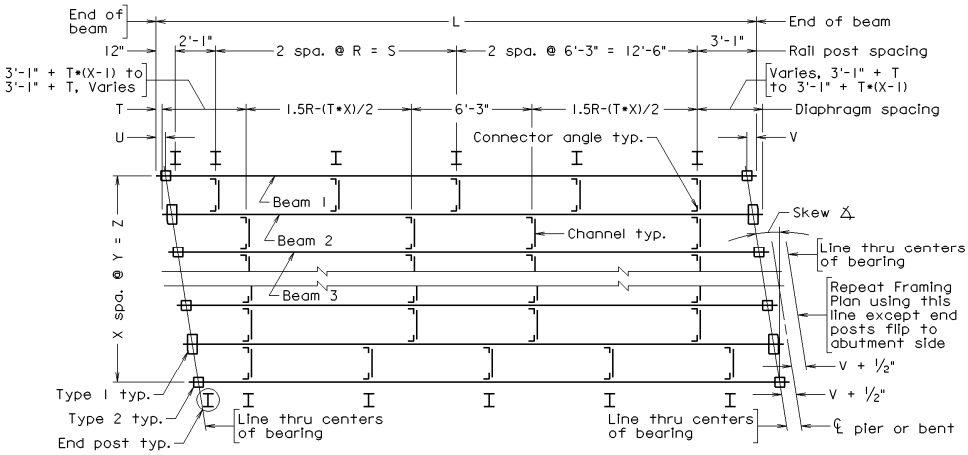
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTL03** | Two-span framing plan with left hand skew ≤ 9° and bolted angles (24'-11" < L ≤ 31'-2") (approx. 0.40 of actual cell size) |

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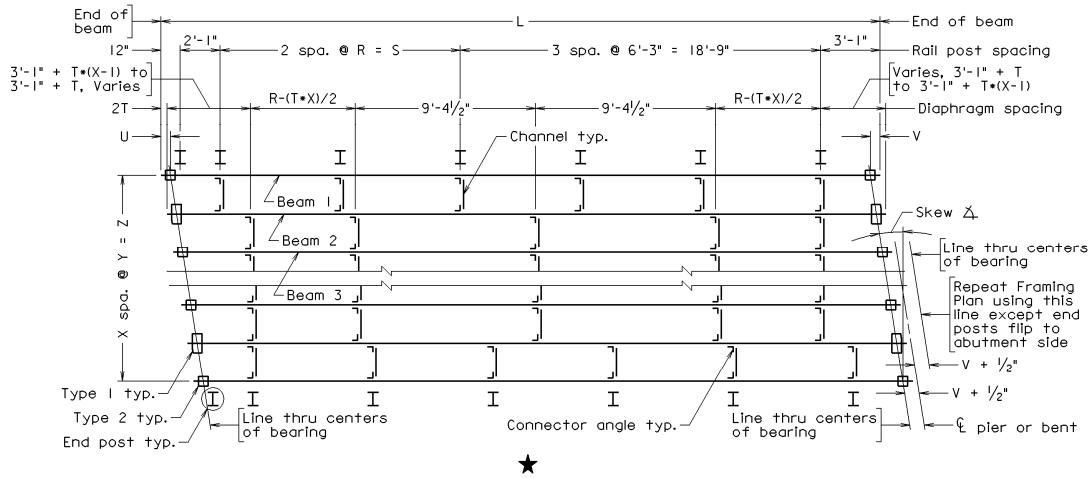
|---|---|---|
| | **BTL04** | Two-span framing plan with left hand skew ≤ 9° and bolted angles (31'-2" < L ≤ 37'-5") (approx. 0.40 of actual cell size) |

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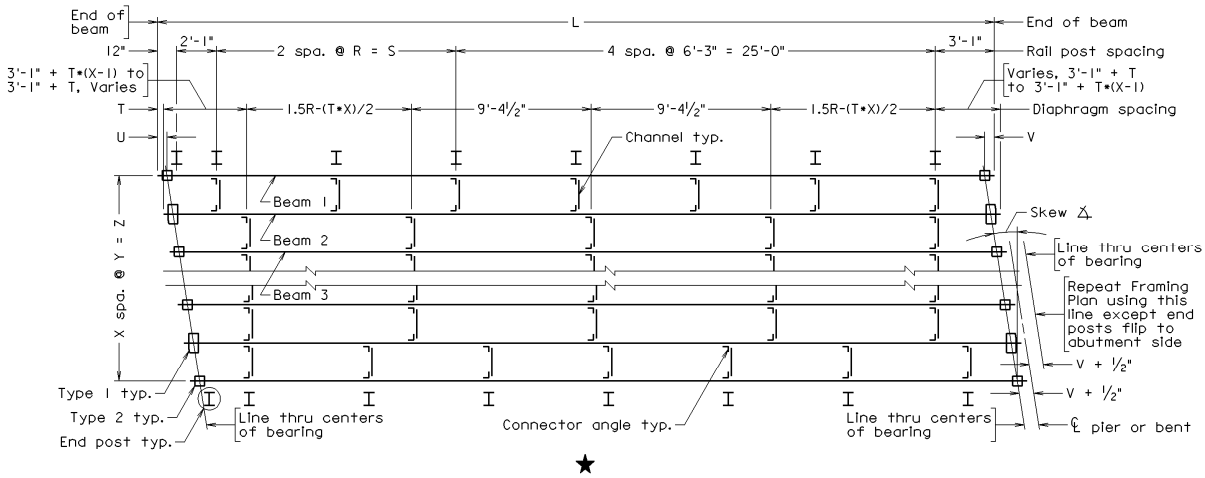
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTL05** | Two-span framing plan with left hand skew ≤ 9° and bolted angles (37'-5" < L ≤ 43'-8") (approx. 0.40 of actual cell size) |

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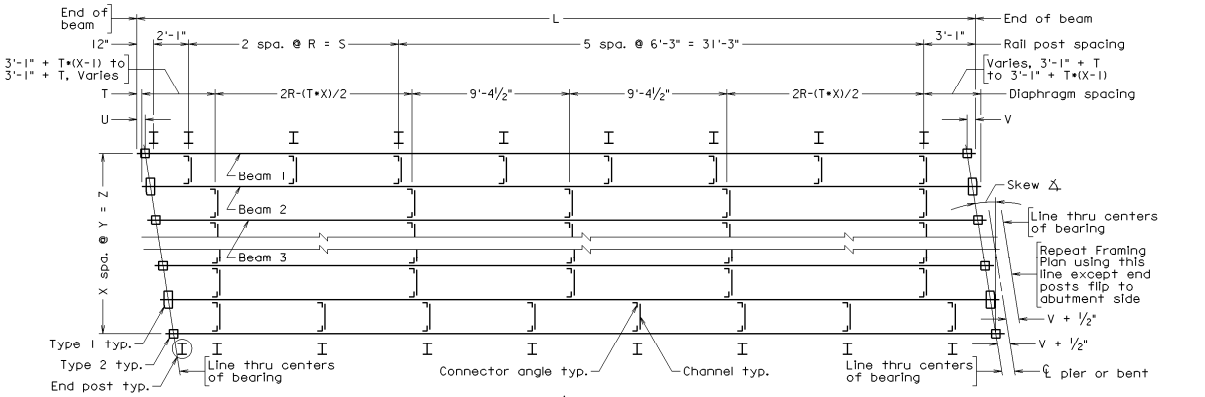
|---|---|---|
| | **BTL06** | Two-span framing plan with left hand skew ≤ 9° and bolted angles (43'-8" < L ≤ 49'-11") (approx. 0.35 of actual cell size) |

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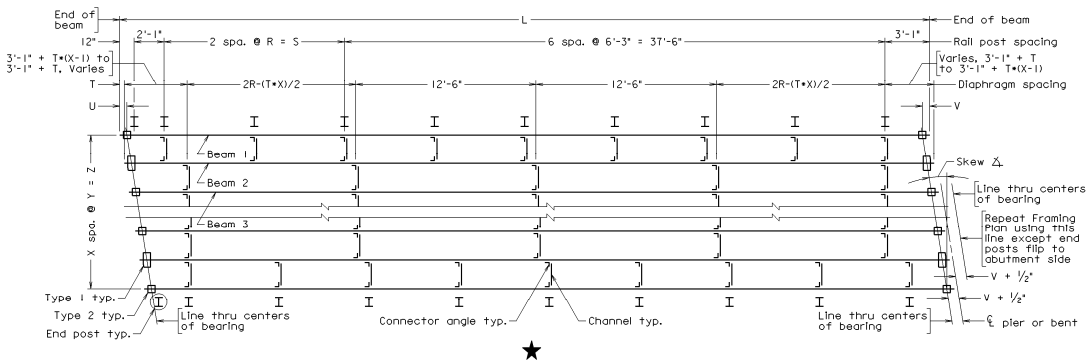
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTL07** | Two-span framing plan with left hand skew ≤ 9° and bolted angles (49'-11" < L ≤ 56'-2") (approx. 0.30 of actual cell size) |

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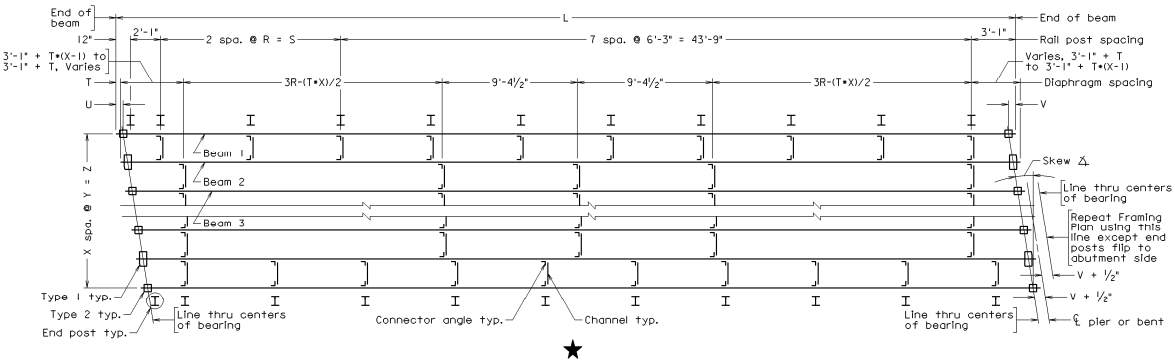
| | | |
|---|---|---|
| | **BTL08** | Two-span framing plan with left hand skew ≤ 9° and bolted angles (56'-2" < L ≤ 62'-5") (approx. 0.30 of actual cell size) |

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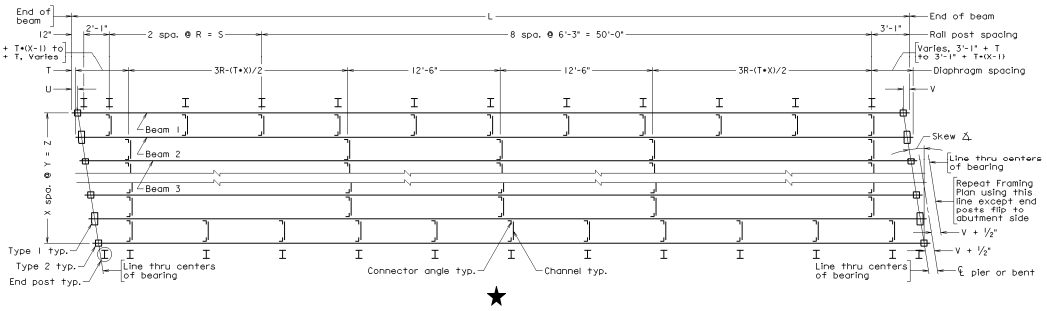
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTL09** | Two-span framing plan with left hand skew ≤ 9° and bolted angles (62'-5" < L ≤ 68'-8") (approx. 0.25 of actual cell size) |

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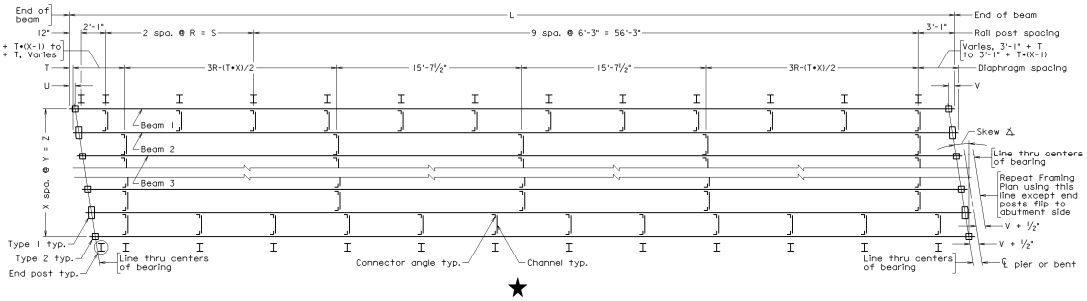
| | | |
|---|---|---|
| | **BTL10** | Two-span framing plan with left hand skew ≤ 9° and bolted angles (68'-8" < L ≤ 74'-11") (approx. 0.25 of actual cell size) |

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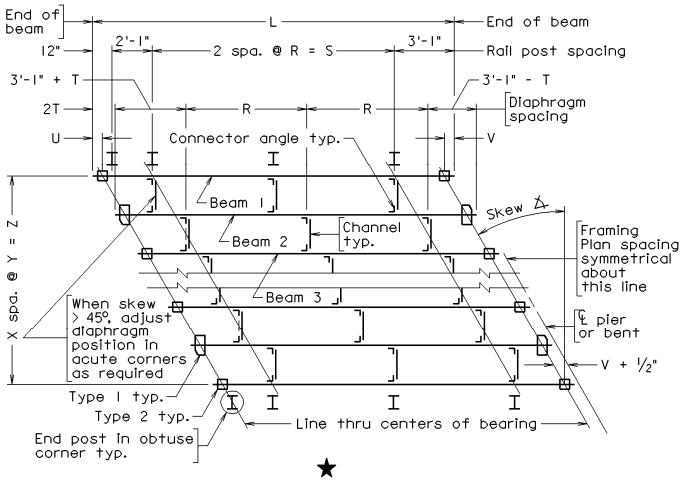
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTL11** | Two-span framing plan with left hand skew > 9° and bolted angles (L ≤ 18'-8") (approx. 0.40 of actual cell size) |

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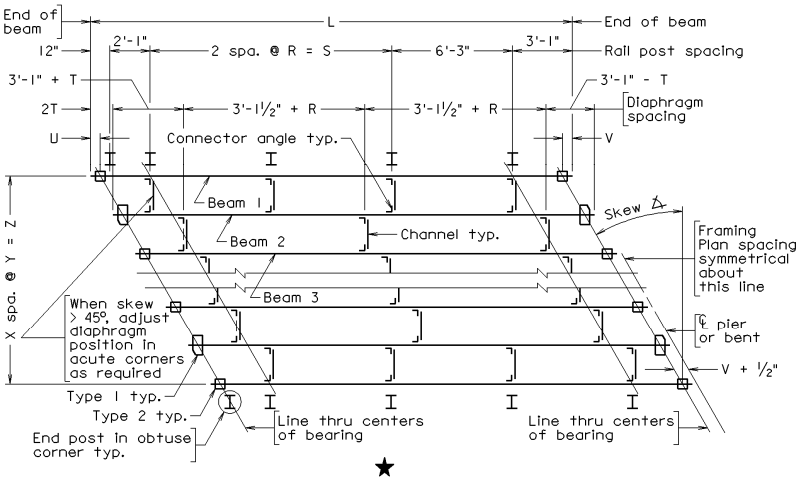
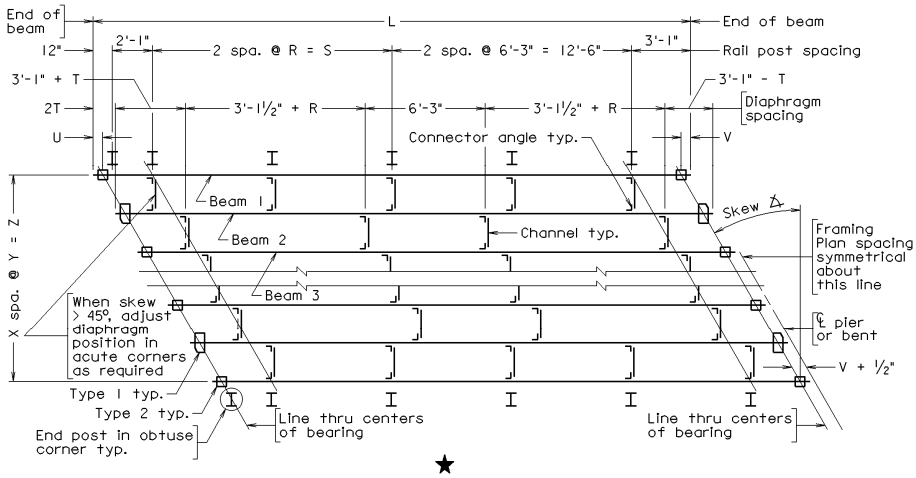
|---|---|---|
| | **BTL12** | Two-span framing plan with left hand skew > 9° and bolted angles (18'-8" < L ≤ 24'-11") (approx. 0.40 of actual cell size) |



| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTL13** | Two-span framing plan with left hand skew > 9° and bolted angles (24'-11" < L ≤ 31'-2") (approx. 0.40 of actual cell size) |

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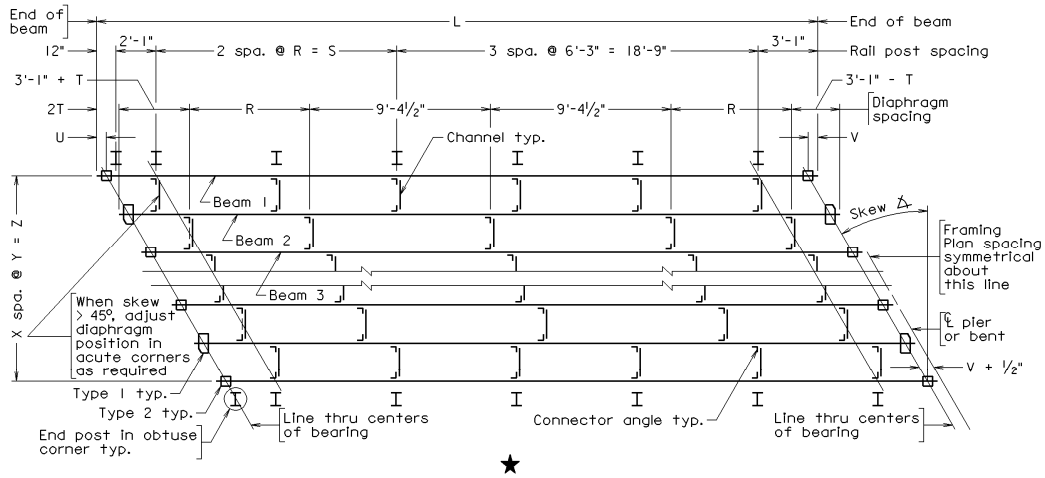
|---|---|---|
| | **BTL14** | Two-span framing plan with left hand skew > 9° and bolted angles (31'-2" < L ≤ 37'-5") (approx. 0.40 of actual cell size) |

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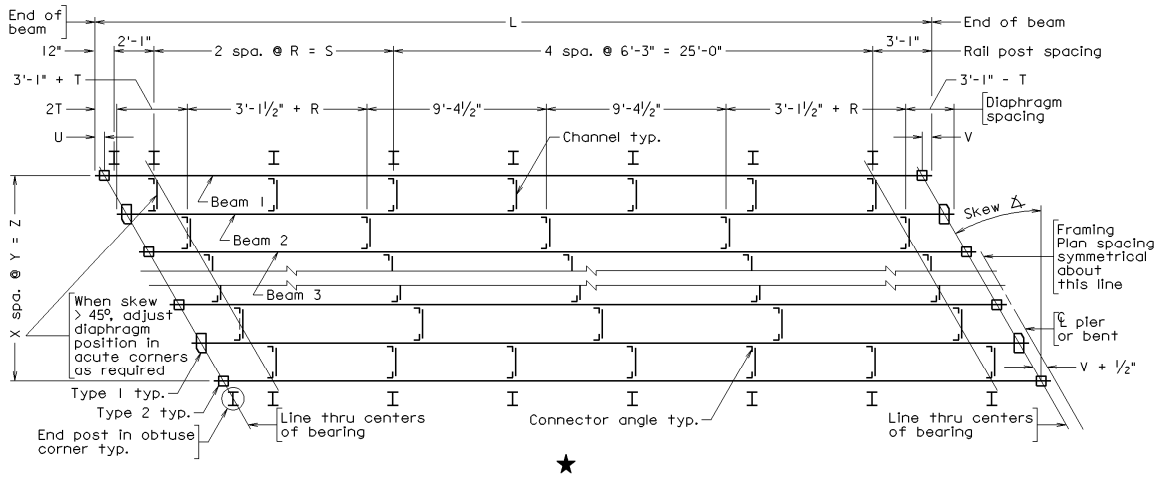
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTL15** | Two-span framing plan with left hand skew > 9° and bolted angles (37'-5" < L ≤ 43'-8") (approx. 0.40 of actual cell size) |

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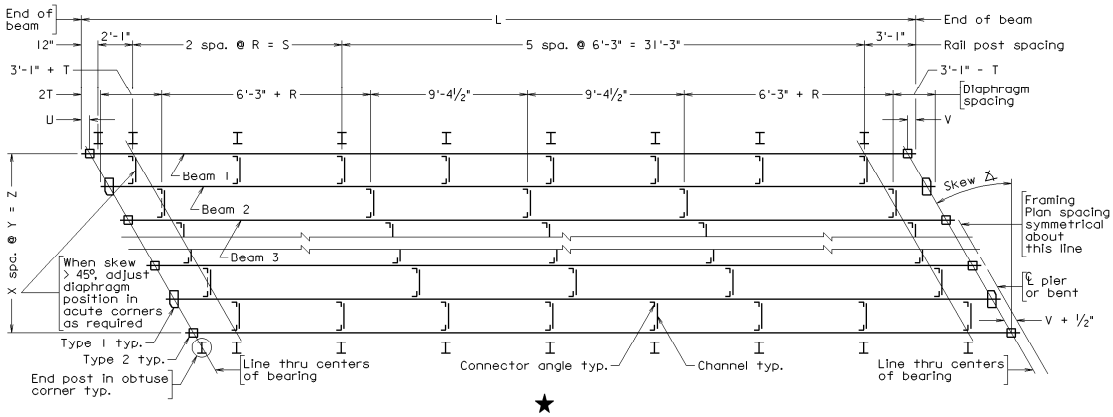
|---|---|---|
| | **BTL16** | Two-span framing plan with left hand skew > 9° and bolted angles (43'-8" < L ≤ 49'-11") (approx. 0.35 of actual cell size) |

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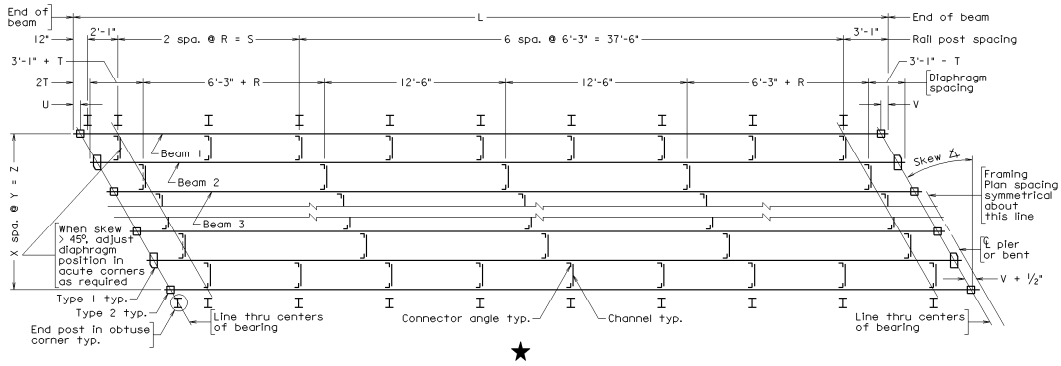
**SS-8 STEEL BEAM WITH TIMBER DECK STANDARDS**
**CELL LIBRARY: SS8.CEL**
**CELLS**

| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTL17** | Two-span framing plan with left hand skew > 9° and bolted angles (49'-11" < L ≤ 56'-2") (approx. 0.30 of actual cell size) |

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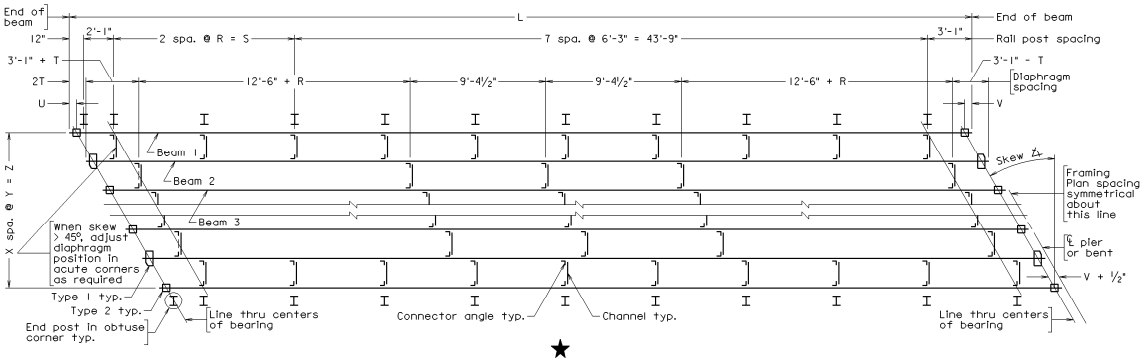
|---|---|---|
| | **BTL18** | Two-span framing plan with left hand skew > 9° and bolted angles (56'-2" < L ≤ 62'-5") (approx. 0.30 of actual cell size) |

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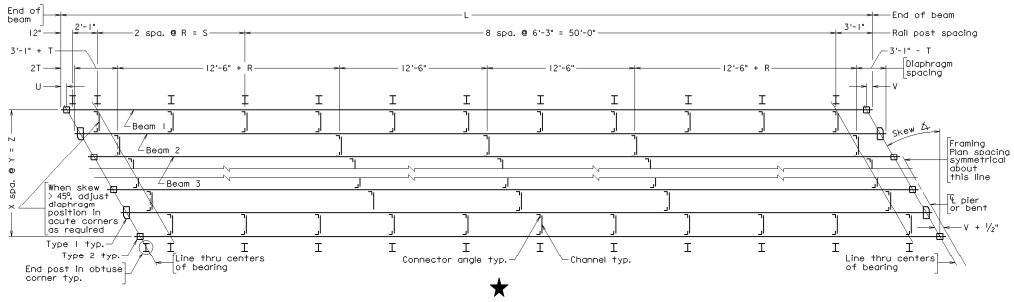
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTL19** | Two-span framing plan with left hand skew > 9° and bolted angles (62'-5" < L ≤ 68'-8") (approx. 0.25 of actual cell size) |

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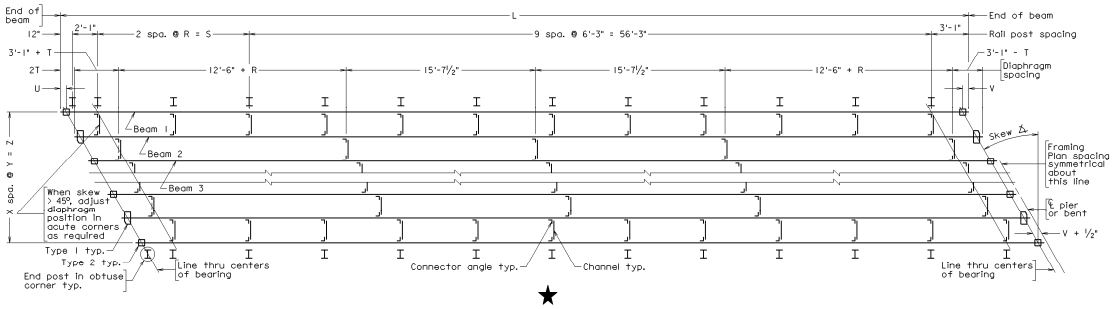
|---|---|---|
| | **BTL20** | Two-span framing plan with left hand skew > 9° and bolted angles (68'-8" < L ≤ 74'-11") (approx. 0.25 of actual cell size) |

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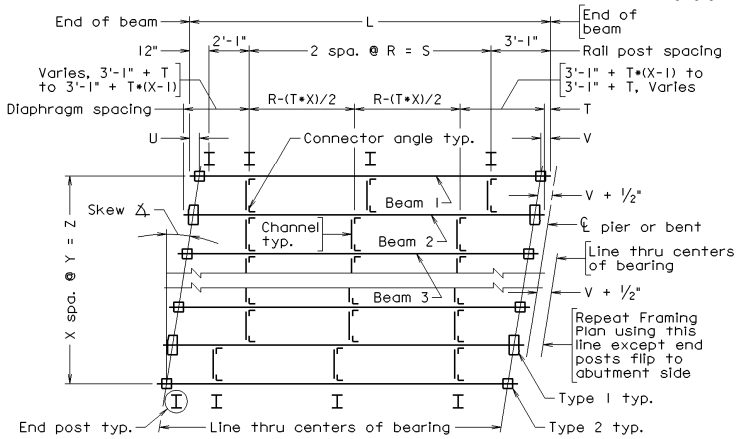
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTR01** | Two-span framing plan with right hand skew ≤ 9° and bolted angles (L ≤ 18'-8") (approx. 0.40 of actual cell size) |

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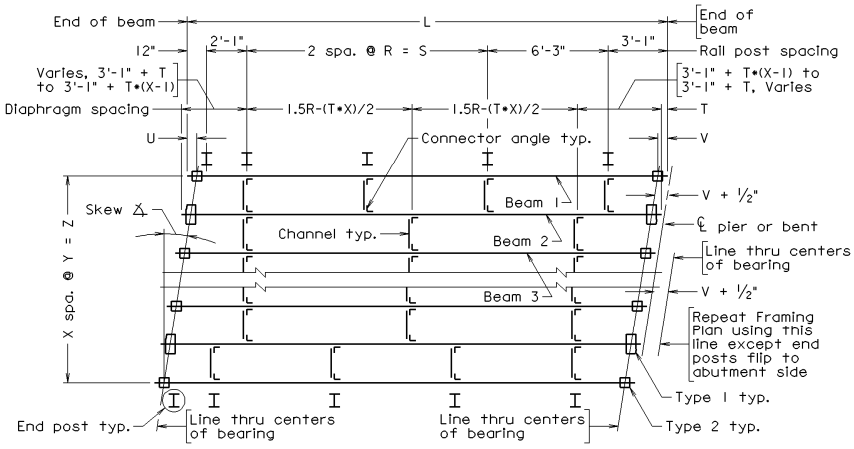
| | | |
|---|---|---|
| | **BTR02** | Two-span framing plan with right hand skew ≤ 9° and bolted angles (18'-8" < L ≤ 24'-11") (approx. 0.40 of actual cell size) |

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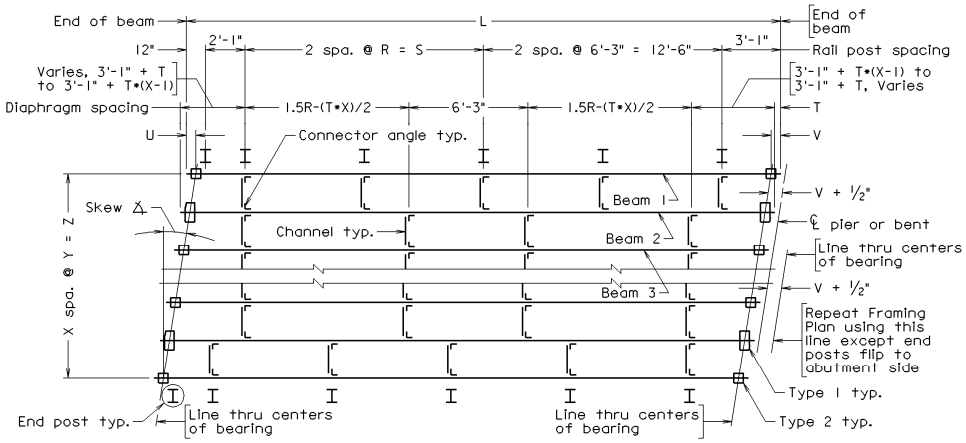
**SS-8 STEEL BEAM WITH TIMBER DECK STANDARDS**
**CELL LIBRARY: SS8.CEL**
**CELLS**

| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTR03** | Two-span framing plan with right hand skew ≤ 9° and bolted angles (24'-11" < L ≤ 31'-2") (approx. 0.40 of actual cell size) |

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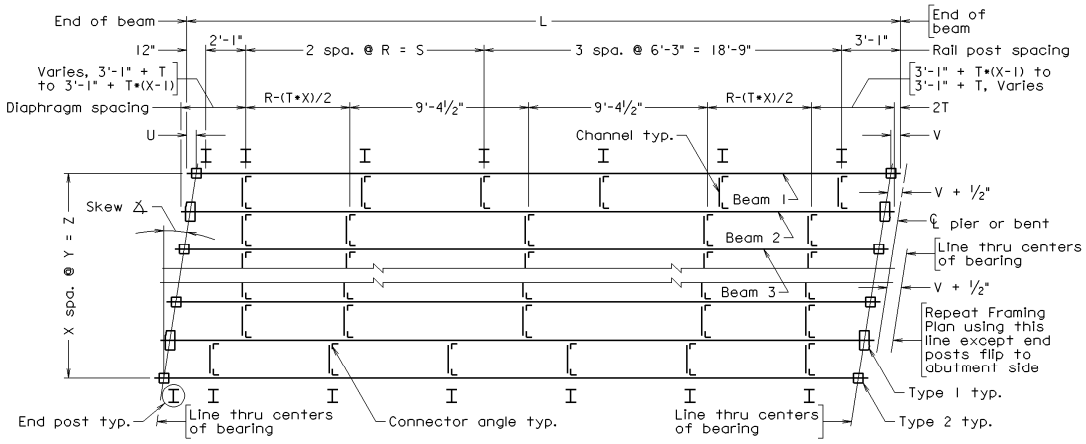
|---|---|---|
| | **BTR04** | Two-span framing plan with right hand skew ≤ 9° and bolted angles (31'-2" < L ≤ 37'-5") (approx. 0.40 of actual cell size) |

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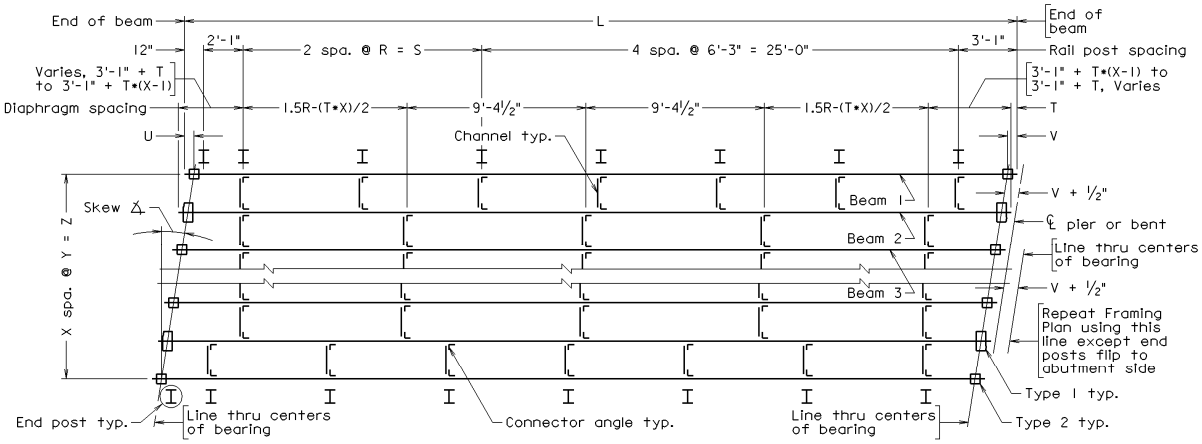
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTR05** | Two-span framing plan with right hand skew ≤ 9° and bolted angles (37'-5" < L ≤ 43'-8") (approx. 0.40 of actual cell size) |

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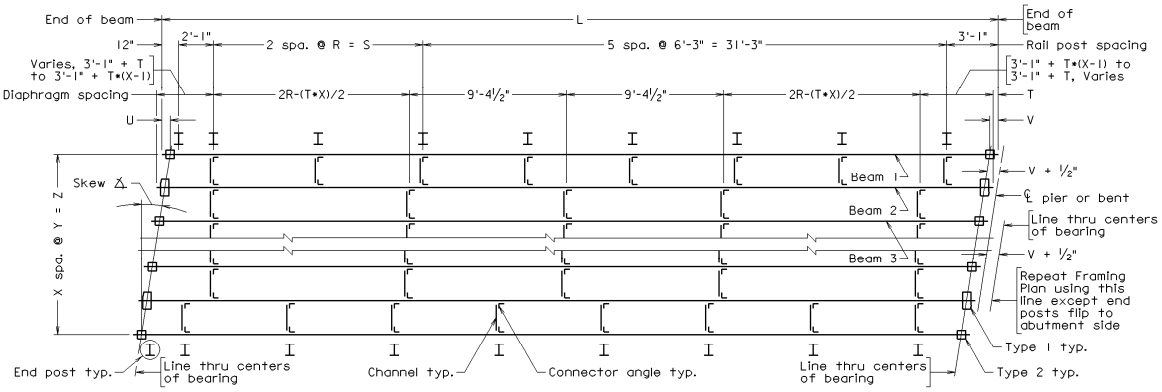
|---|---|---|
| | **BTR06** | Two-span framing plan with right hand skew ≤ 9° and bolted angles (43'-8" < L ≤ 49'-11") (approx. 0.35 of actual cell size) |

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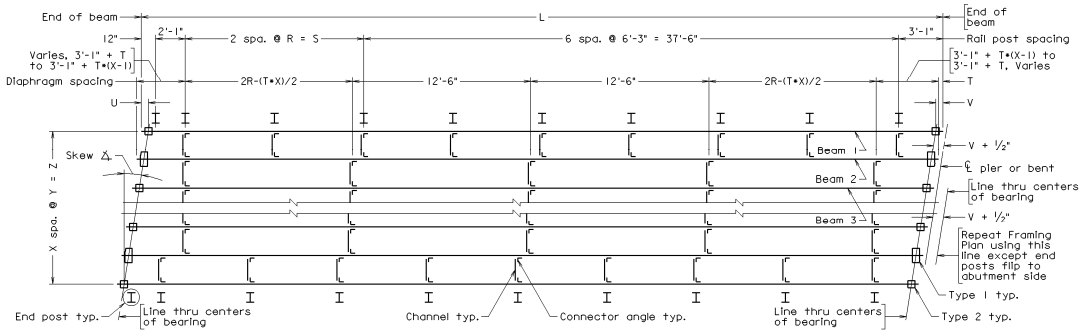
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTR07** | Two-span framing plan with right hand skew ≤ 9° and bolted angles (49'-11" < L ≤ 56'-2") (approx. 0.30 of actual cell size) |

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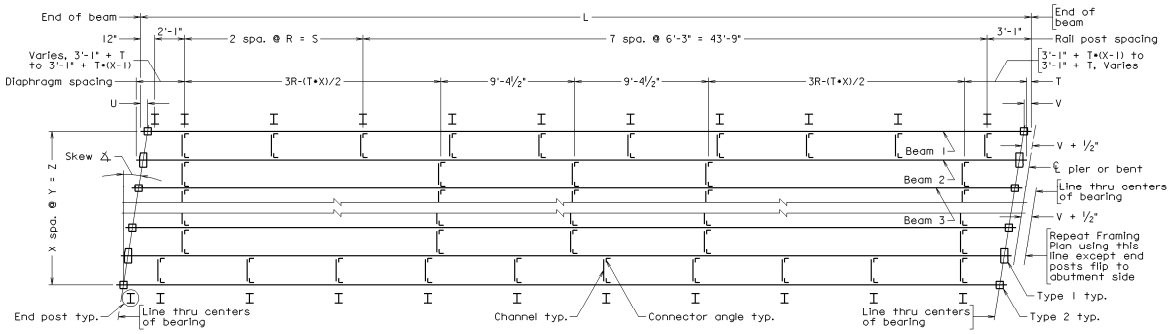
|---|---|---|
| | **BTR08** | Two-span framing plan with right hand skew ≤ 9° and bolted angles (56'-2" < L ≤ 62'-5") (approx. 0.30 of actual cell size) |

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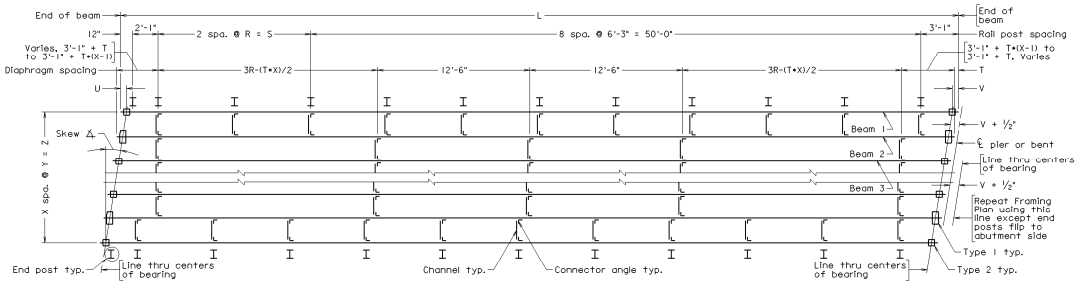
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTR09** | Two-span framing plan with right hand skew ≤ 9° and bolted angles (62'-5" < L ≤ 68'-8") (approx. 0.25 of actual cell size) |

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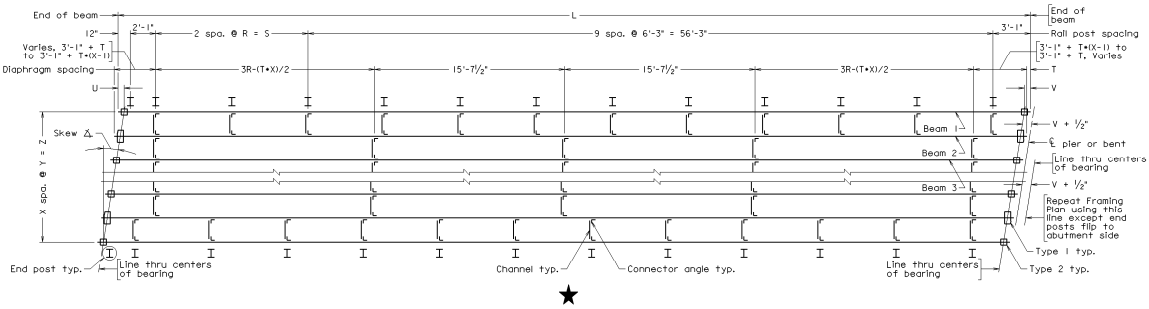
| | | |
|---|---|---|
| | **BTR10** | Two-span framing plan with right hand skew ≤ 9° and bolted angles (68'-8" < L ≤ 74'-11") (approx. 0.25 of actual cell size) |

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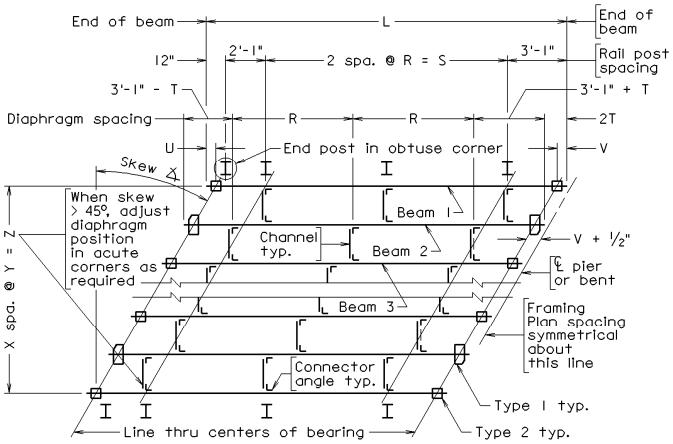
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTR11** | Two-span framing plan with right hand skew > 9° and bolted angles (L ≤ 18'-8") (approx. 0.40 of actual cell size) |

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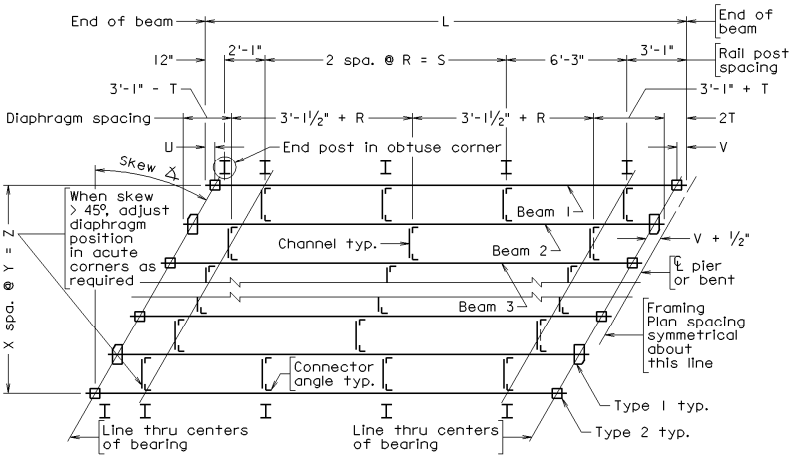
| | | |
|---|---|---|
| | **BTR12** | Two-span framing plan with right hand skew > 9° and bolted angles (18'-8" < L ≤ 24'-11") (approx. 0.40 of actual cell size) |

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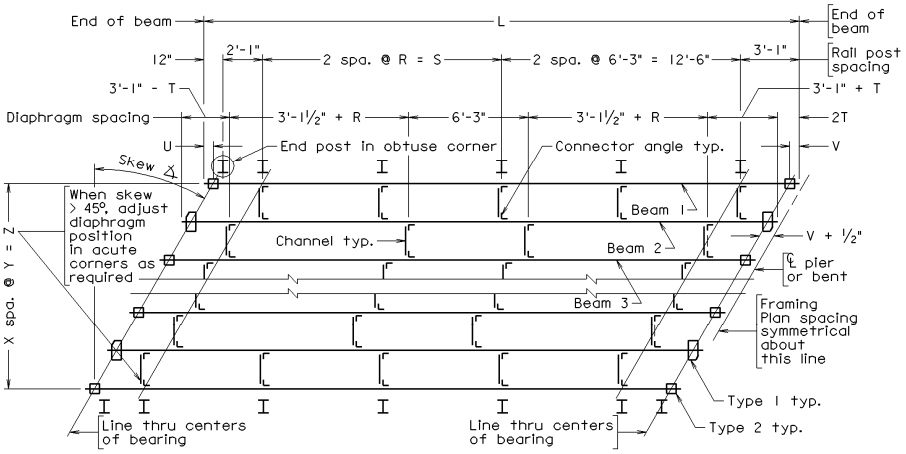
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTR13** | Two-span framing plan with right hand skew > 9° and bolted angles (24'-11" < L ≤ 31'-2") (approx. 0.40 of actual cell size) |

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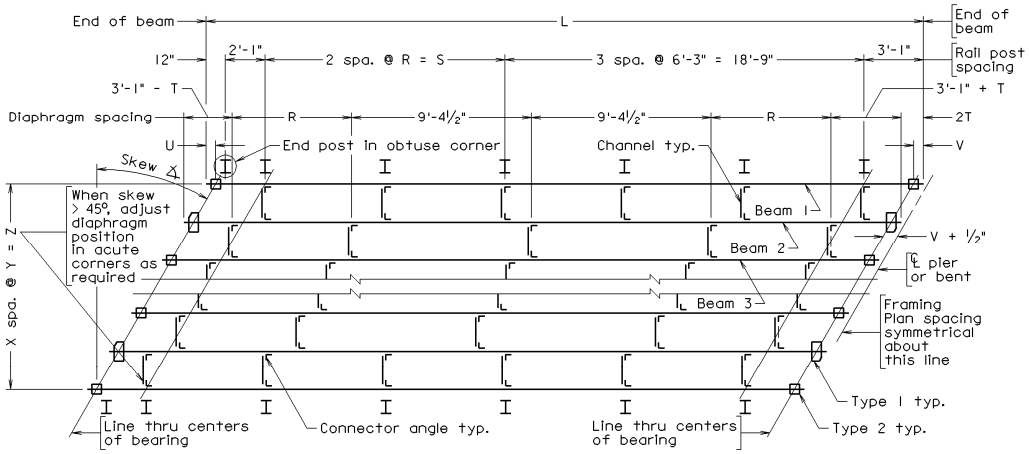
| | | |
|---|---|---|
| | **BTR14** | Two-span framing plan with right hand skew > 9° and bolted angles (31'-2" < L ≤ 37'-5") (approx. 0.40 of actual cell size) |

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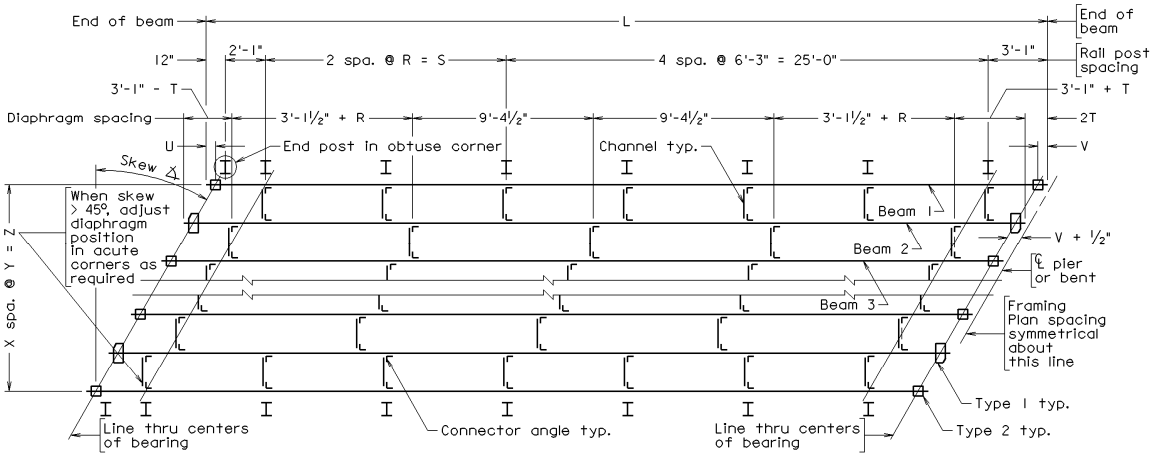
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTR15** | Two-span framing plan with right hand skew > 9° and bolted angles (37'-5" < L ≤ 43'-8") (approx. 0.40 of actual cell size) |

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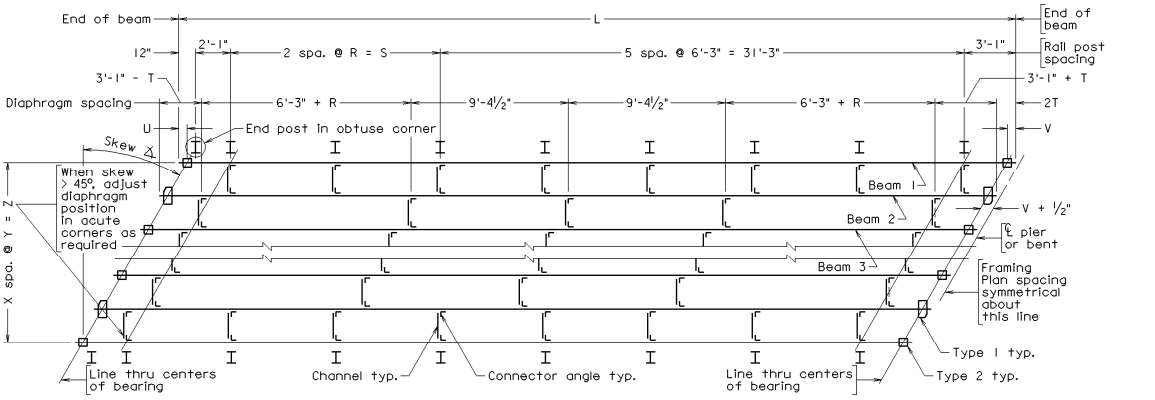
| | | |
|---|---|---|
| | **BTR16** | Two-span framing plan with right hand skew > 9° and bolted angles (43'-8" < L ≤ 49'-11") (approx. 0.35 of actual cell size) |

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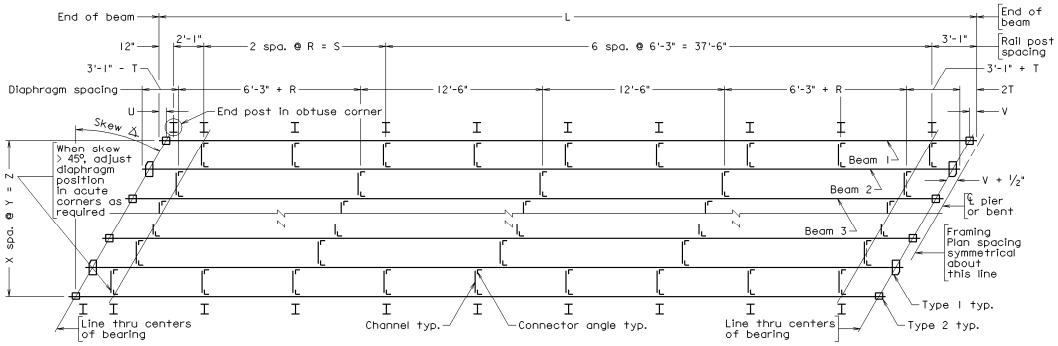
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTR17** | Two-span framing plan with right hand skew > 9° and bolted angles (49'-11" < L ≤ 56'-2") (approx. 0.30 of actual cell size) |

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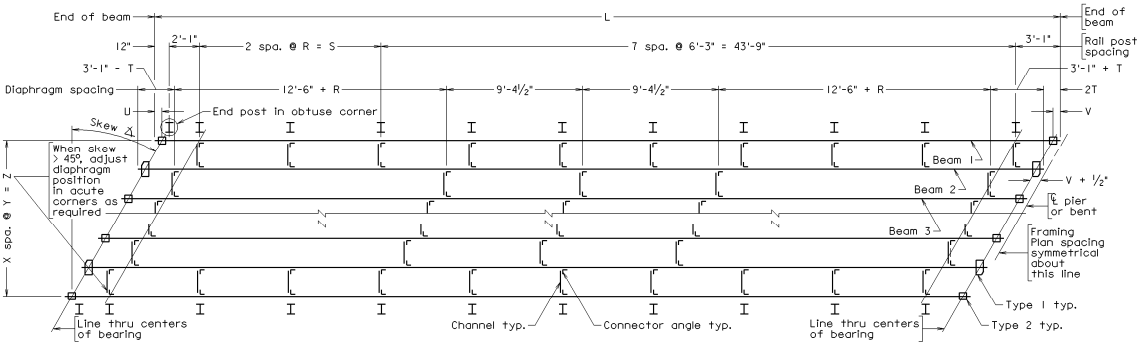
| | | |
|---|---|---|
| | **BTR18** | Two-span framing plan with right hand skew > 9° and bolted angles (56'-2" < L ≤ 62'-5") (approx. 0.30 of actual cell size) |

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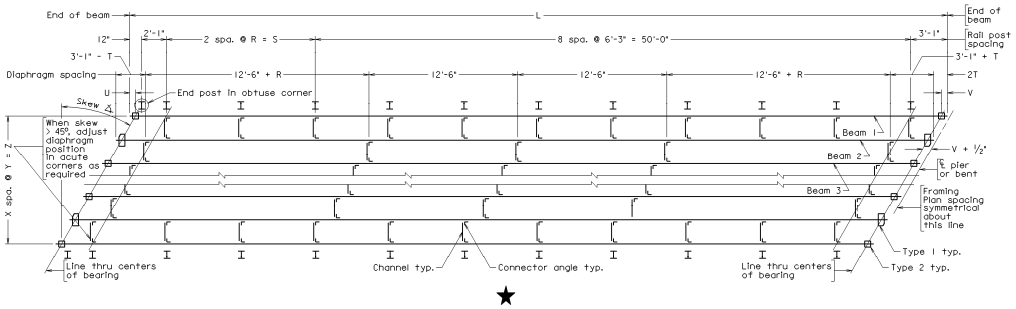
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BTR19** | Two-span framing plan with right hand skew > 9° and bolted angles (62'-5" < L ≤ 68'-8") (approx. 0.25 of actual cell size) |

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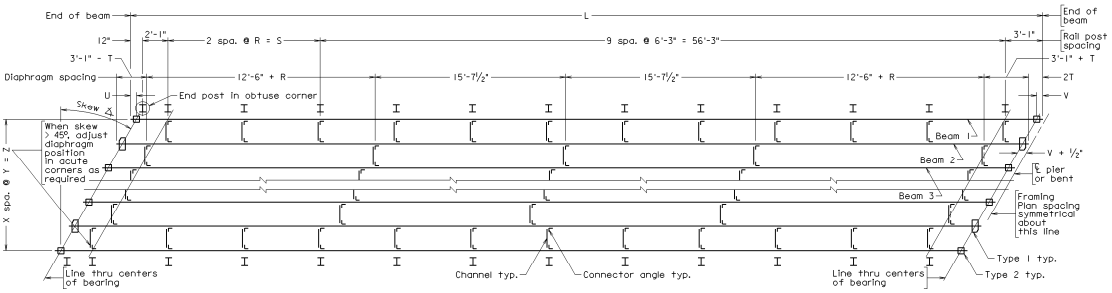
| | | |
|---|---|---|
| | **BTR20** | Two-span framing plan with right hand skew > 9° and bolted angles (68'-8" < L ≤ 74'-11") (approx. 0.25 of actual cell size) |

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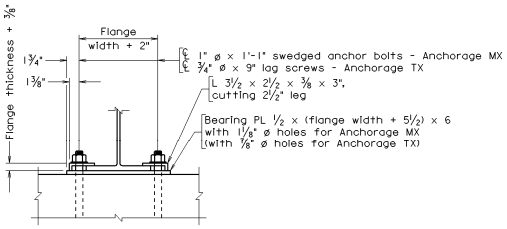
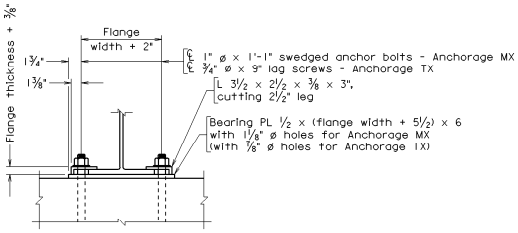
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BZAB1** | Bearing detail, bearing plate, L ≤ 60'-0", anchor bolts required at all locations (approx. 0.30 of actual cell size) |

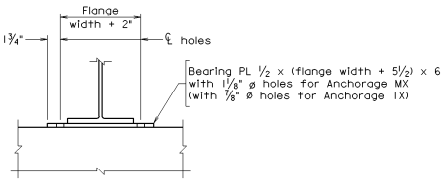



TYPE 1 AND 2 BEARING DETAIL
Timber Abutment Anchorage TX
Typical Masonry ★ Anchorage MX

| | | |
|---|---|---|
| | **BZAB2** | Bearing detail, bearing plate, L ≤ 60'-0", anchor bolts not required at all locations (approx. 0.30 of actual cell size) |

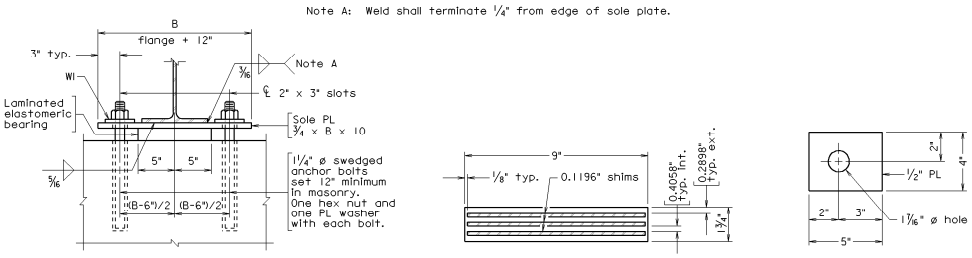



TYPE 1 BEARING DETAIL
Timber Abutment Anchorage TX
Typical Masonry ★ Anchorage MX




TYPE 2 BEARING DETAIL
Timber Abutment Anchorage TX
Typical Masonry Anchorage MX

| | | |
|---|---|---|
| | **BZAE1** | Bearing detail, elastomeric, L > 60'-0", anchor bolts required at all locations (approx. 0.30 of actual cell size) |



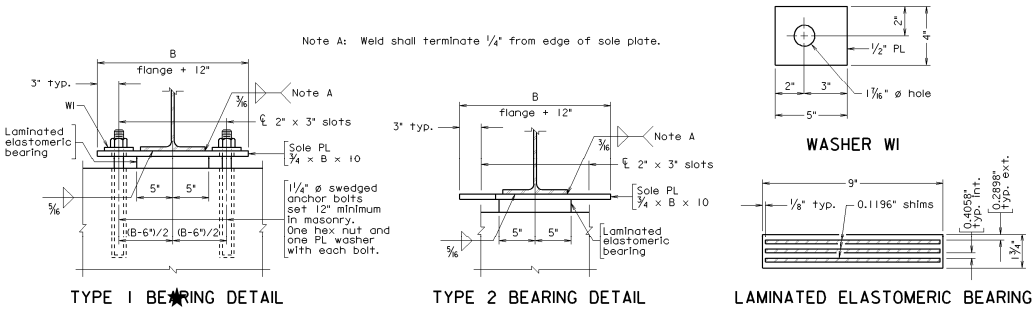

TYPE 1 AND 2 ★ BEARING DETAIL

LAMINATED ELASTOMERIC BEARING

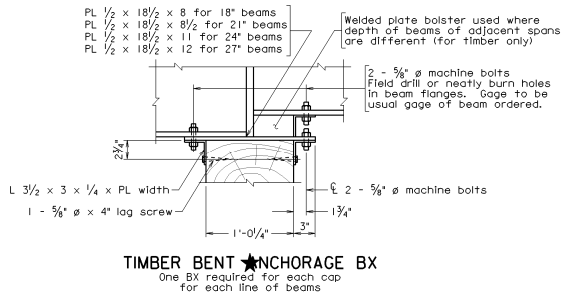
WASHER WI

# SS-8 STEEL BEAM WITH TIMBER DECK STANDARDS
# CELL LIBRARY: SS8.CEL
# CELLS

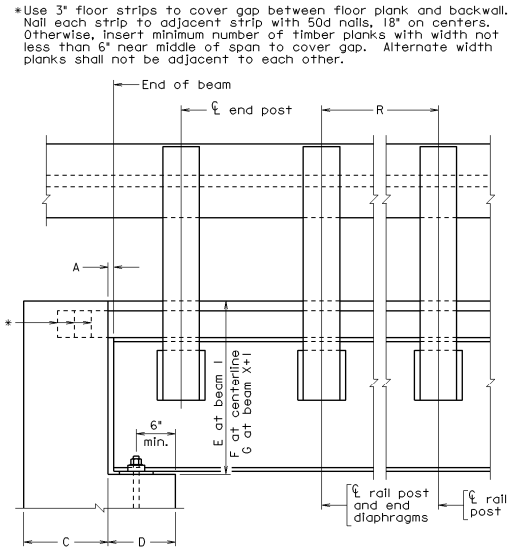
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **BZAE2** | Bearing detail, elastomeric, L > 60'-0", anchor bolts not required at all locations (approx. 0.30 of actual cell size) |




| | | |
|---|---|---|
| | **BZPB1** | Bearing detail, timber bent, bearing plate, L ≤ 60'-0", anchor bolts required at all locations (approx. 0.30 of actual cell size) |



| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **ELC1B** | Part elevation with concrete backwall, railing with curb and bearing plate (approx. 0.35 of actual cell size) |

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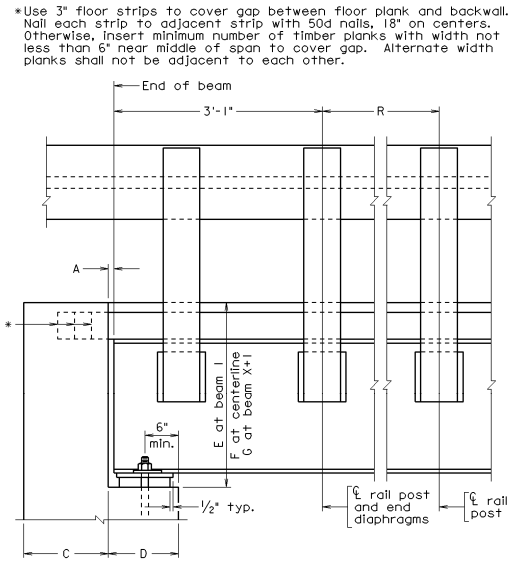
| | | |
|---|---|---|
| | **ELC1E** | Part elevation with concrete backwall, railing with curb and elastomeric bearing (approx. 0.35 of actual cell size) |

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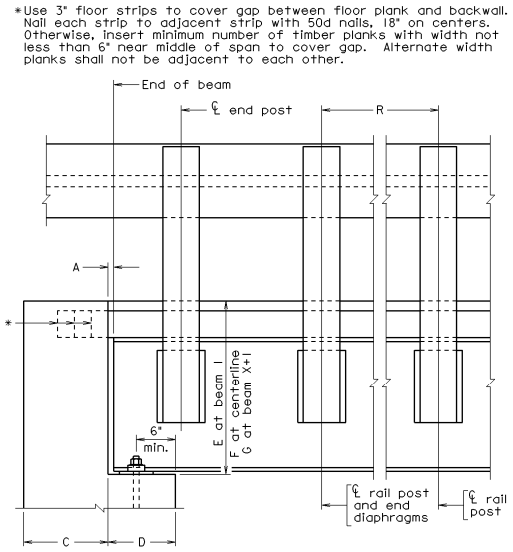
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **ELC2B** | Part elevation with concrete backwall, railing without curb and bearing plate (approx. 0.35 of actual cell size) |

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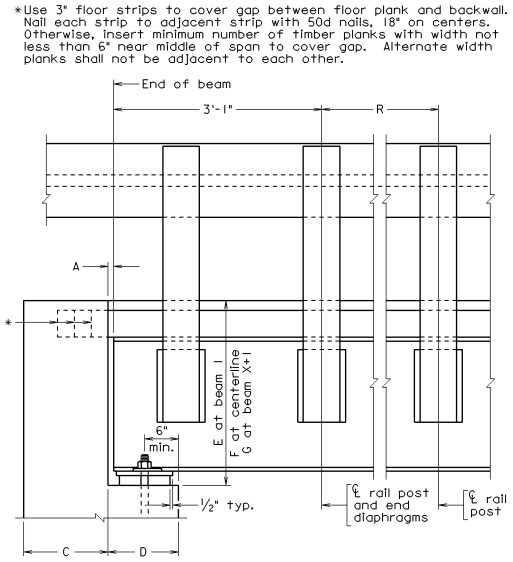
| | | |
|---|---|---|
| | **ELC2E** | Part elevation with concrete backwall, railing w/o curb and elastomeric bearing (approx. 0.35 of actual cell size) |

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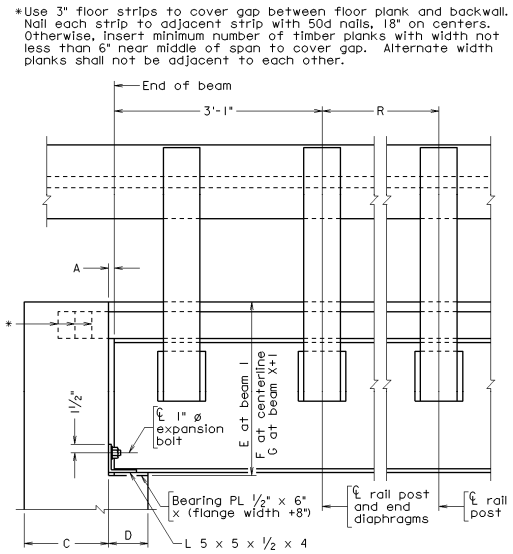
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **ELCV1** | Part elevation with concrete backwall, railing with curb, bearing plate and insufficient seat width for anchor bolts (approx. 0.35 of actual cell size) |

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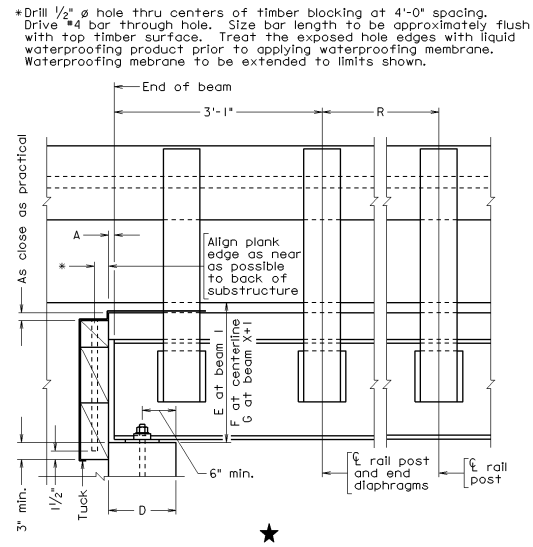
| | | |
|---|---|---|
| | **ELTB1** | Part elevation with timber lagging behind abutment, railing with curb and bearing plate (approx. 0.35 of actual cell size) |

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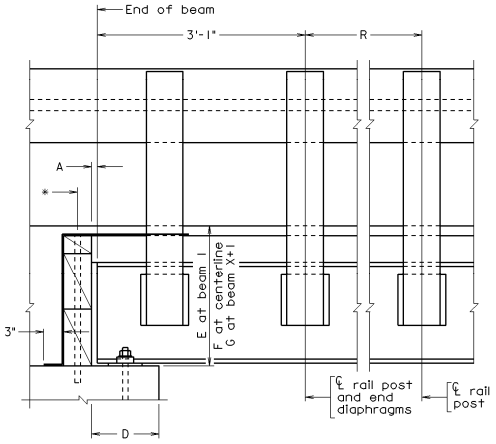
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **ELTB2** | Part elevation with timber fastened to abutment, railing with curb and bearing plate<br>(approx. 0.35 of actual cell size) |

*Drill ½" ø hole thru centers of timber blocking and approximately 3" into substructure at 4'-0" spacing. Drive #4 bar through hole. Size bar length to be approximately flush with top timber surface. Treat the exposed hole edges with liquid waterproofing product prior to applying waterproofing membrane. Waterproofing membrane to be extended to limits shown.

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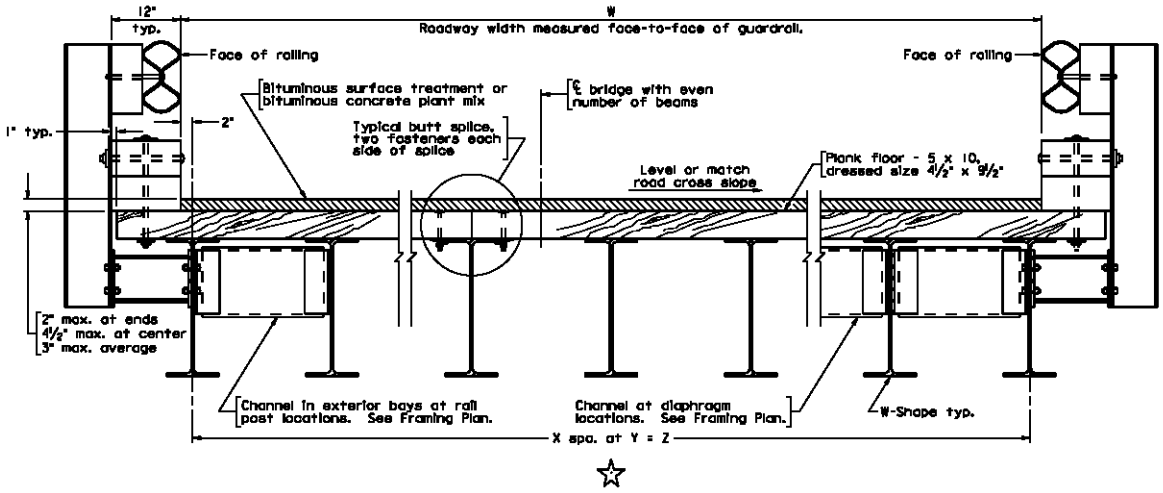
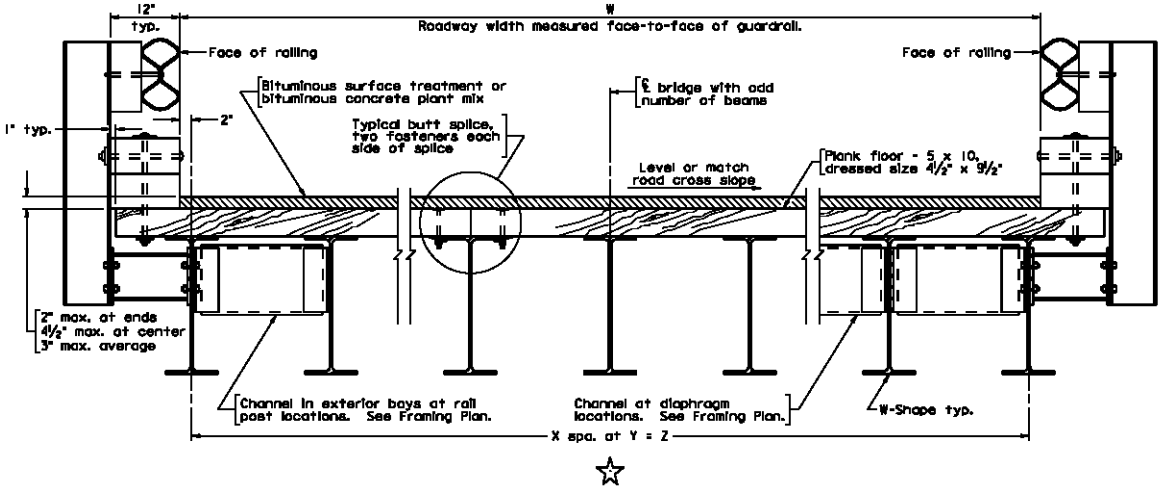
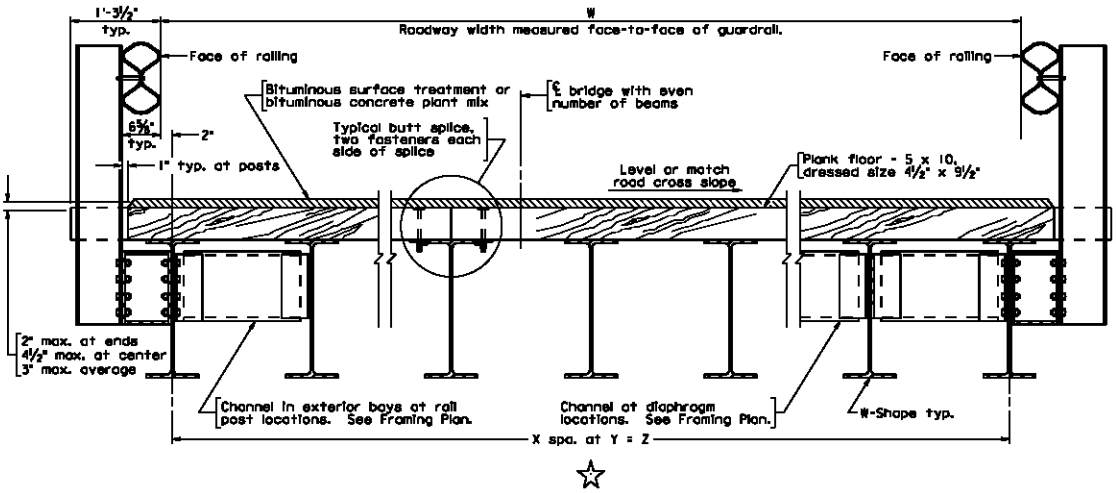
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **TSB1E** | Transverse section, bolted angles used in diaphragm connection, railing with curb, even number of beams (approx. 0.35 of actual cell size) |



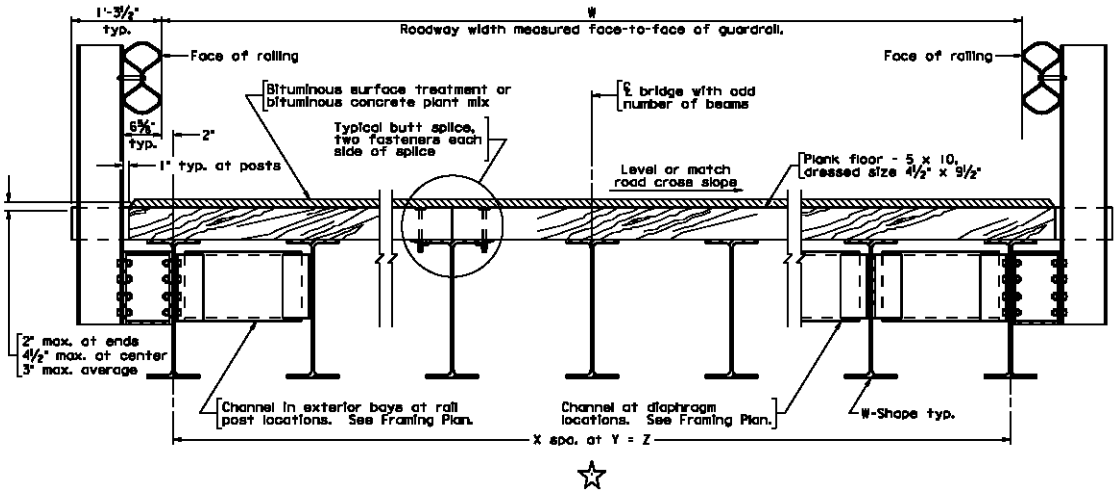

| | | |
|---|---|---|
| | **TSB1O** | Transverse section, bolted angles used in diaphragm connection, railing with curb, odd number of beams (approx. 0.35 of actual cell size) |



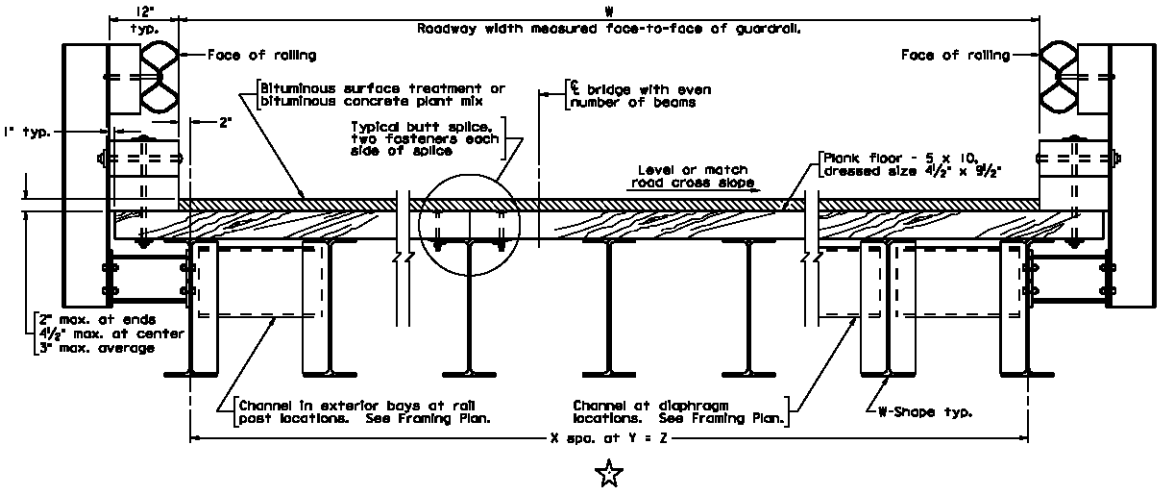
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **TSB2E** | Transverse section, bolted angles used in diaphragm connection, railing without curb, even number of beams (approx. 0.35 of actual cell size) |



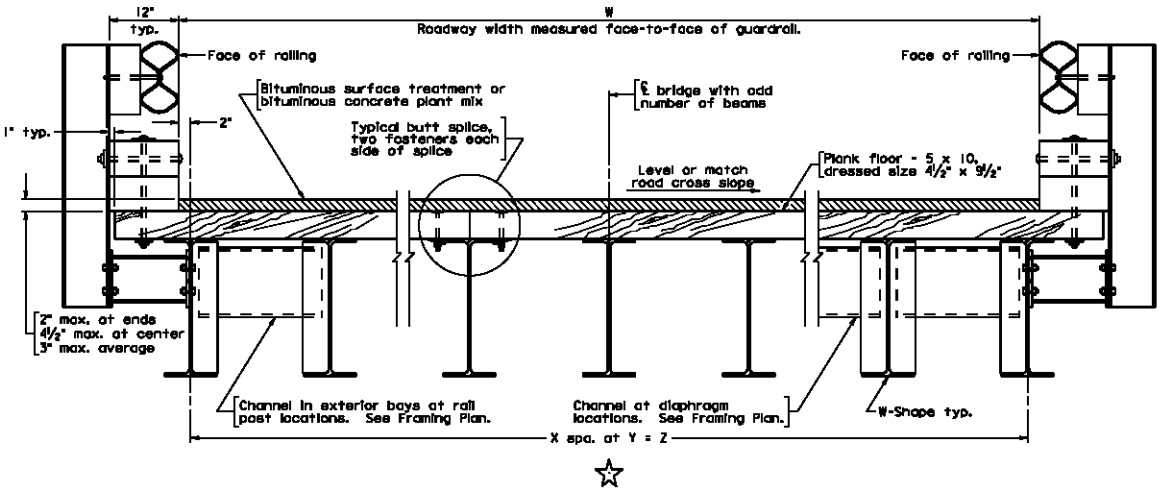

| | | |
|---|---|---|
| | **TSB2O** | Transverse section, bolted angles used in diaphragm connection, railing without curb, odd number of beams (approx. 0.35 of actual cell size) |



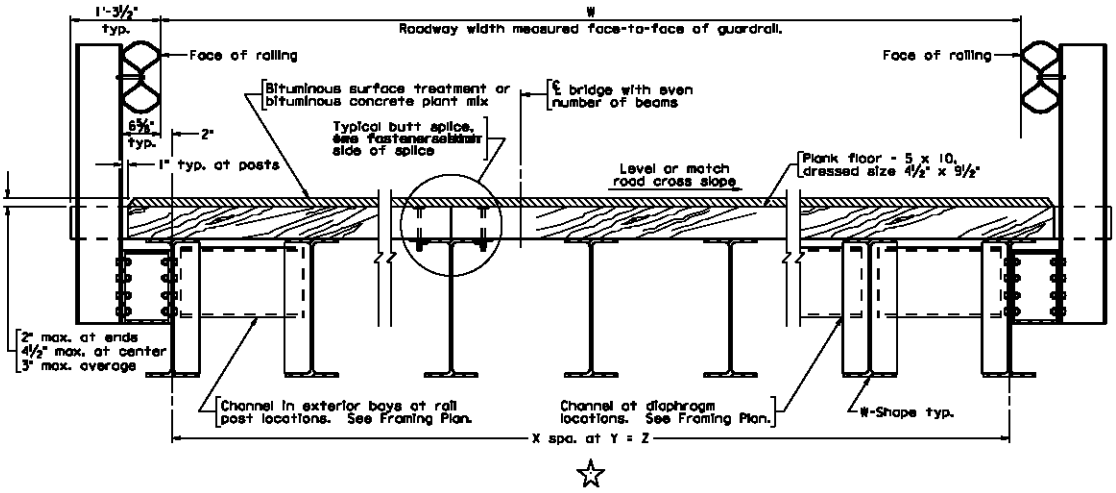
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **TSW1E** | Transverse section, welded plates used in diaphragm connection, railing with curb, even number of beams (approx. 0.35 of actual cell size) |



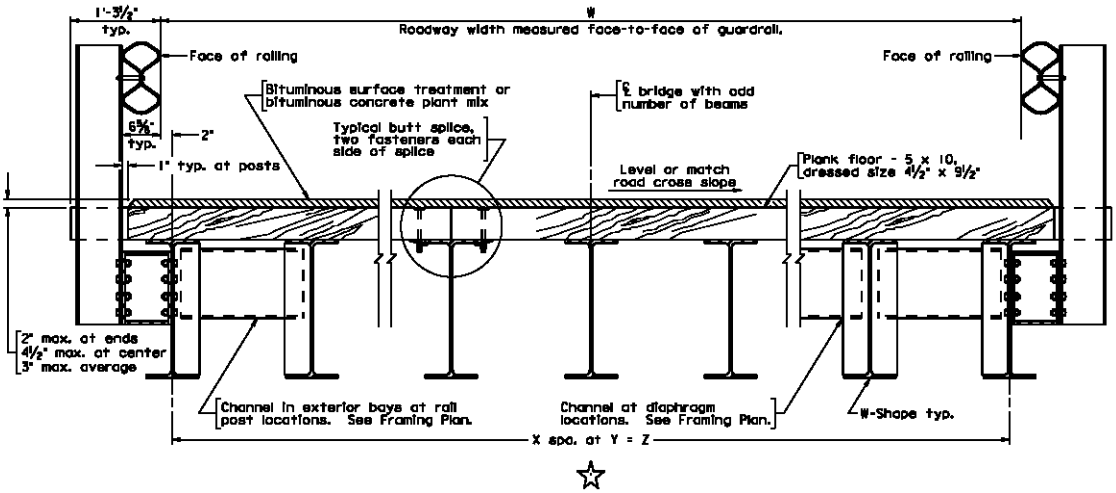

| | | |
|---|---|---|
| | **TSW1O** | Transverse section, welded plates used in diaphragm connection, railing with curb, odd number of beams (approx. 0.35 of actual cell size) |



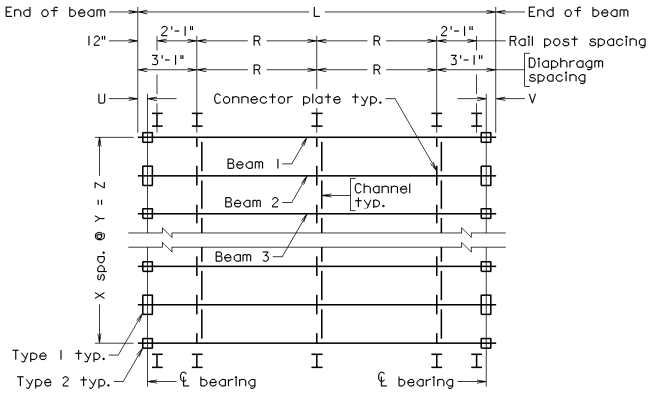
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **TSW2E** | Transverse section, welded plates used in diaphragm connection, railing without curb, even number of beams (approx. 0.35 of actual cell size) |




| | | |
|---|---|---|
| | **TSW2O** | Transverse section, welded plates used in diaphragm connection, railing without curb, odd number of beams (approx. 0.35 of actual cell size) |



| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPA01** | Framing plan with 0° skew and welded connector plates (L ≤ 18'-8") (approx. 0.40 of actual cell size) |

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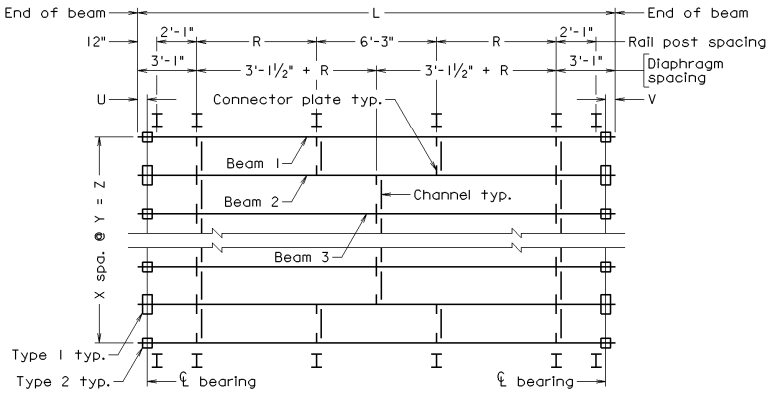
| | | |
|---|---|---|
| | **WPA02** | Framing plan with 0° skew and welded connector plates (18'-8" < L ≤ 24'-11") (approx. 0.40 of actual cell size) |

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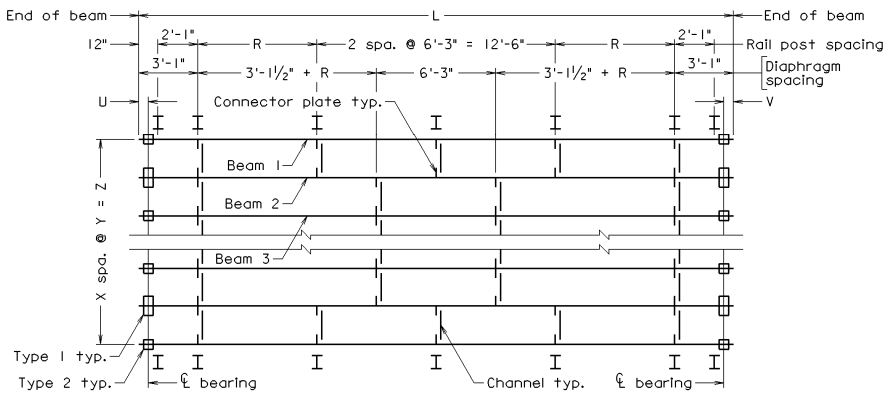
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPA03** | Framing plan with 0° skew and welded connector plates (24'-11" < L ≤ 31'-2") (approx. 0.40 of actual cell size) |

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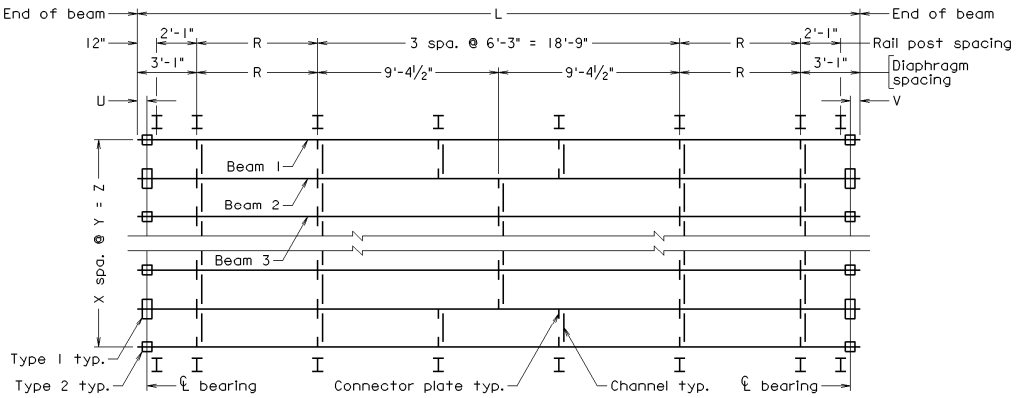
|---|---|---|
| | **WPA04** | Framing plan with 0° skew and welded connector plates (31'-2" < L ≤ 37'-5") (approx. 0.40 of actual cell size) |

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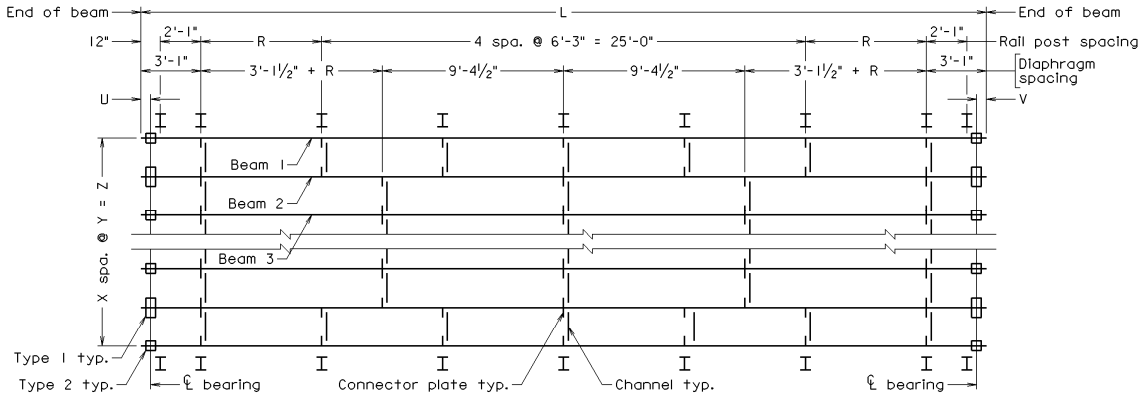
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPA05** | Framing plan with 0° skew and welded connector plates (37'-5" < L ≤ 43'-8") (approx. 0.40 of actual cell size) |

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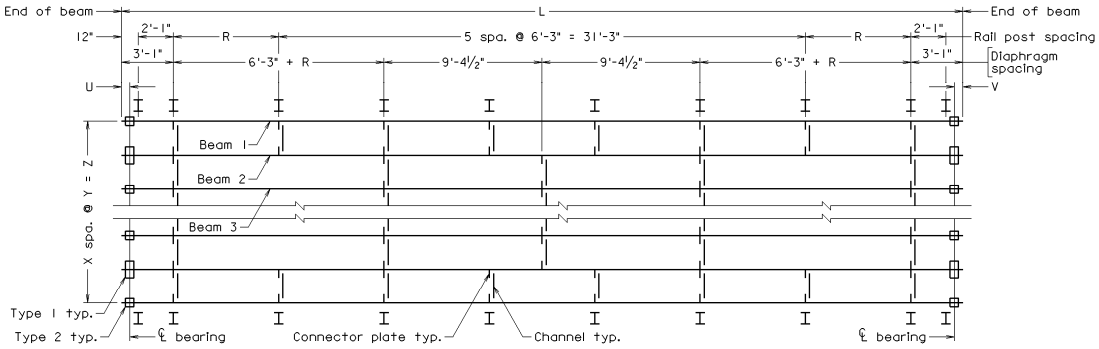
| | | |
|---|---|---|
| | **WPA06** | Framing plan with 0° skew and welded connector plates (43'-8" < L ≤ 49'-11") (approx. 0.35 of actual cell size) |

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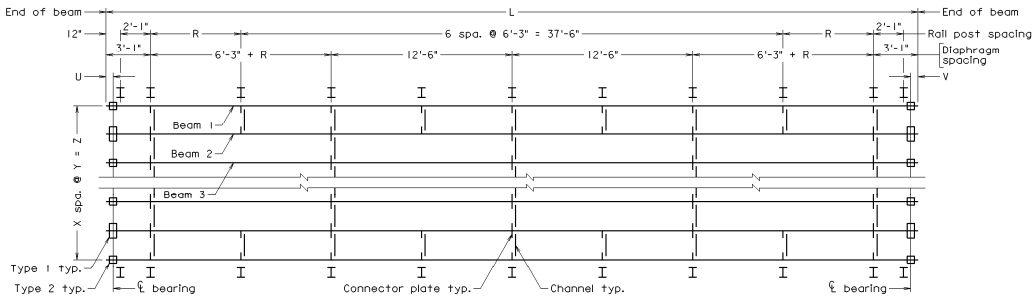
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPA07** | Framing plan with 0° skew and welded connector plates (49'-11" < L ≤ 56'-2") (approx. 0.30 of actual cell size) |

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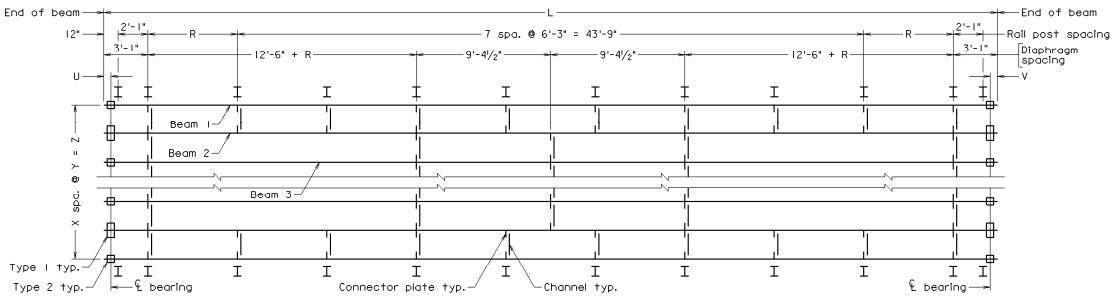
| | | |
|---|---|---|
| | **WPA08** | Framing plan with 0° skew and welded connector plates (56'-2" < L ≤ 62'-5") (approx. 0.30 of actual cell size) |

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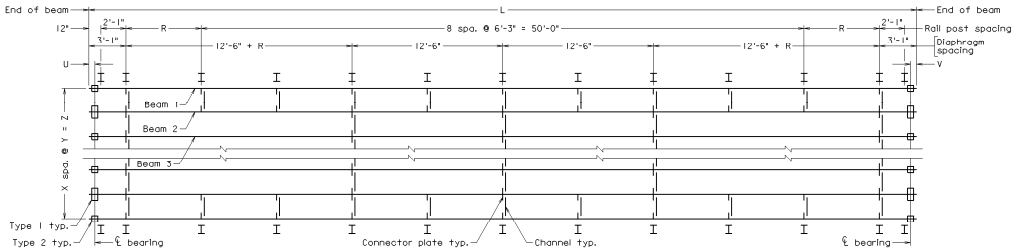
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPA09** | Framing plan with 0° skew and welded connector plates (62'-5" < L ≤ 68'-8") (approx. 0.25 of actual cell size) |

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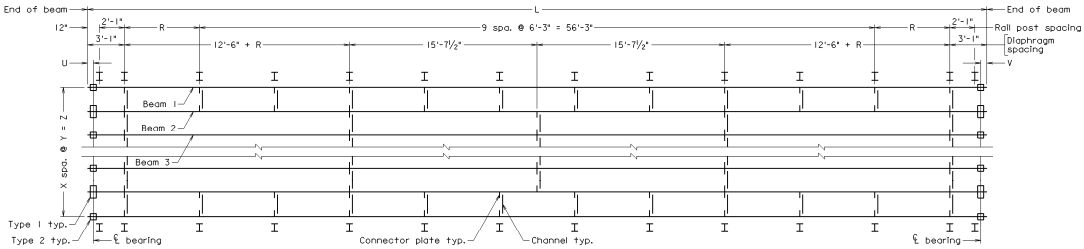
| | | |
|---|---|---|
| | **WPA10** | Framing plan with 0° skew and welded connector plates (68'-8" < L ≤ 74'-11") (approx. 0.25 of actual cell size) |

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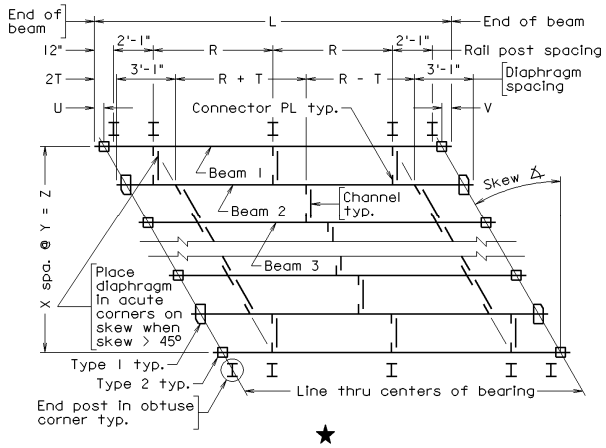
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPL01** | Framing plan with left hand skew and welded connector plates<br>(L ≤ 18'-8")<br>(approx. 0.40 of actual cell size) |

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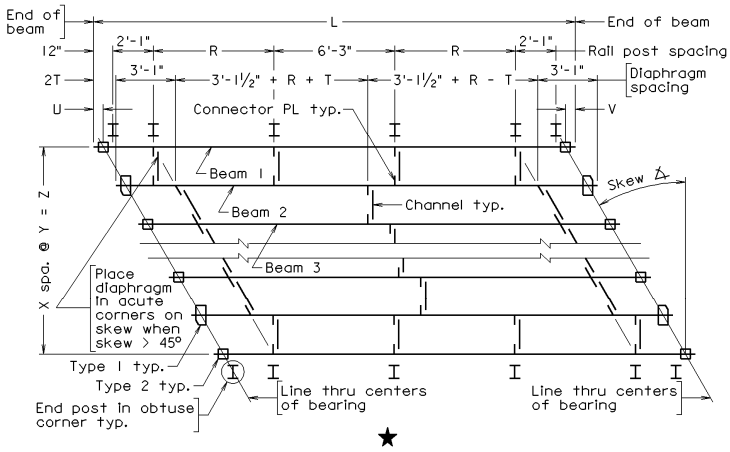
| | | |
|---|---|---|
| | **WPL02** | Framing plan with left hand skew and welded connector plates<br>(18'-8" < L ≤ 24'-11")<br>(approx. 0.40 of actual cell size) |

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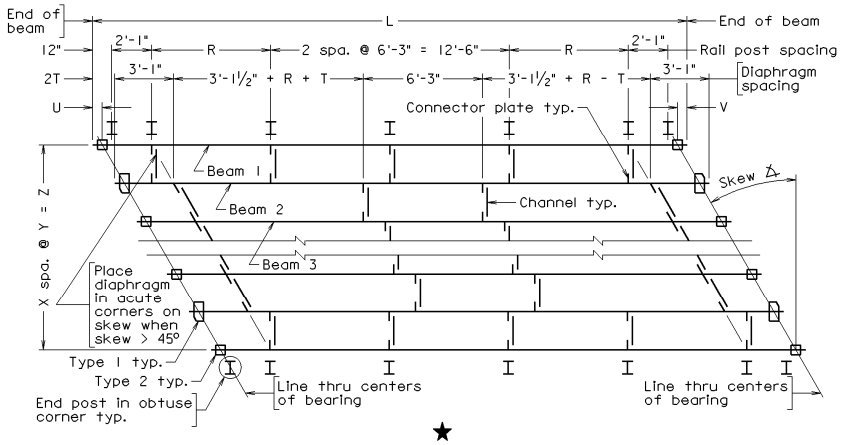
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPL03** | Framing plan with left hand skew and welded connector plates (24'-11" < L ≤ 31'-2") (approx. 0.40 of actual cell size) |

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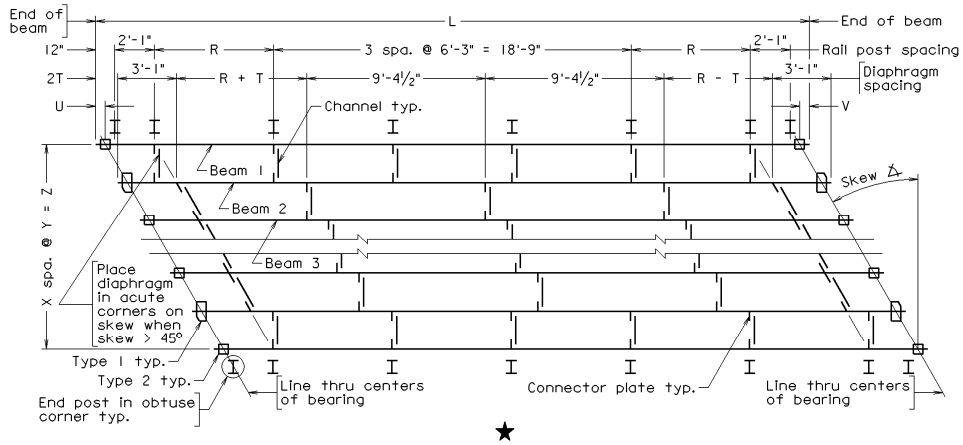
| | | |
|---|---|---|
| | **WPL04** | Framing plan with left hand skew and welded connector plates (31'-2" < L ≤ 37'-5") (approx. 0.40 of actual cell size) |

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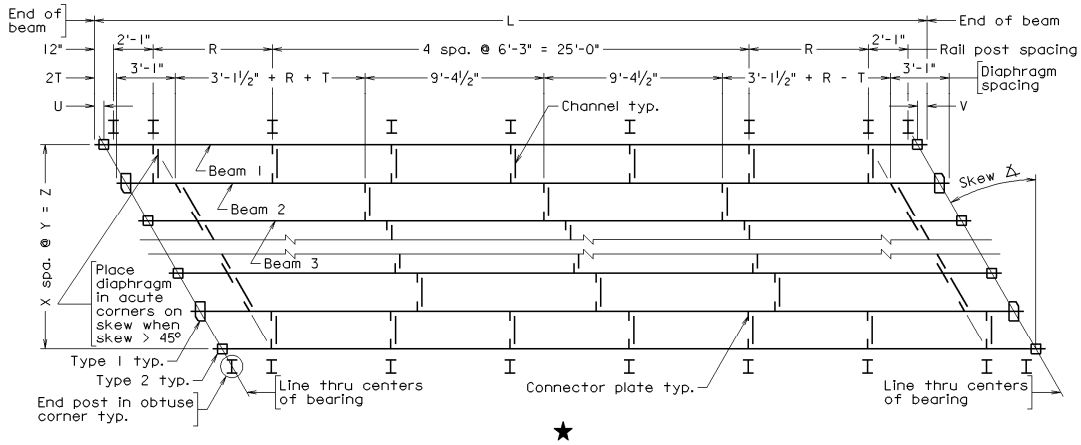
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPL05** | Framing plan with left hand skew and welded connector plates<br>(37'-5" < L ≤ 43'-8")<br>(approx. 0.40 of actual cell size) |

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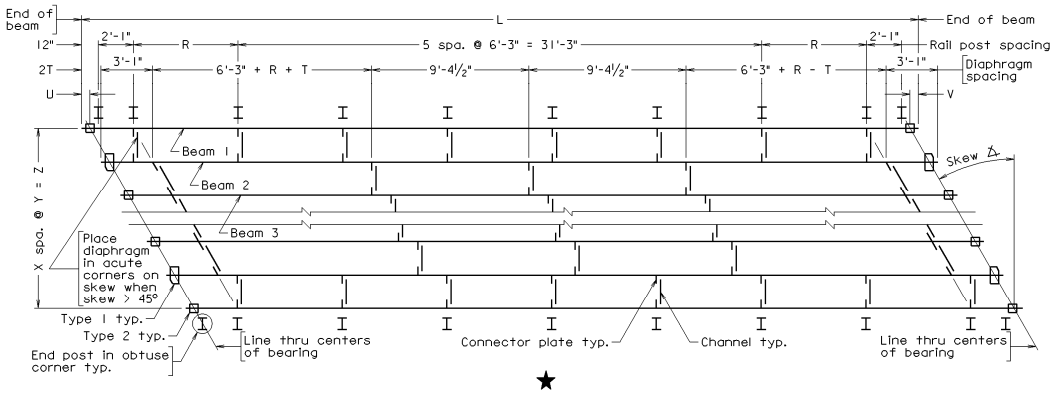
| | | |
|---|---|---|
| | **WPL06** | Framing plan with left hand skew and welded connector plates<br>(43'-8" < L ≤ 49'-11")<br>(approx. 0.35 of actual cell size) |

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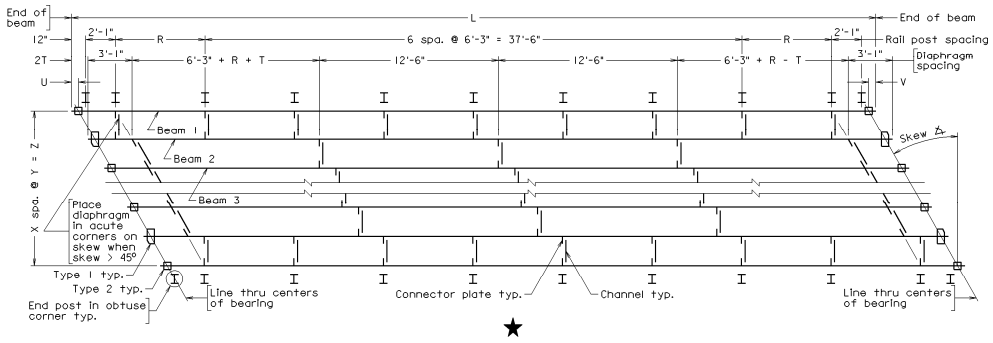
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPL07** | Framing plan with left hand skew and welded connector plates<br>(49'-11" < L ≤ 56'-2")<br>(approx. 0.30 of actual cell size) |

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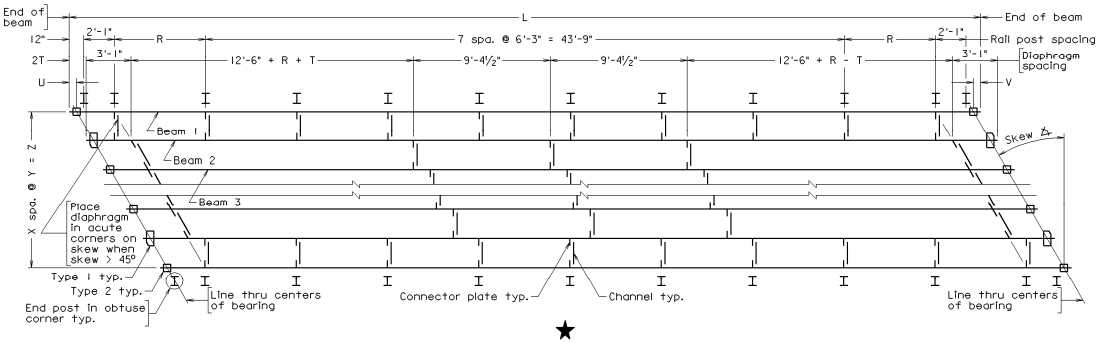
| | | |
|---|---|---|
| | **WPL08** | Framing plan with left hand skew and welded connector plates<br>(56'-2" < L ≤ 62'-5")<br>(approx. 0.30 of actual cell size) |

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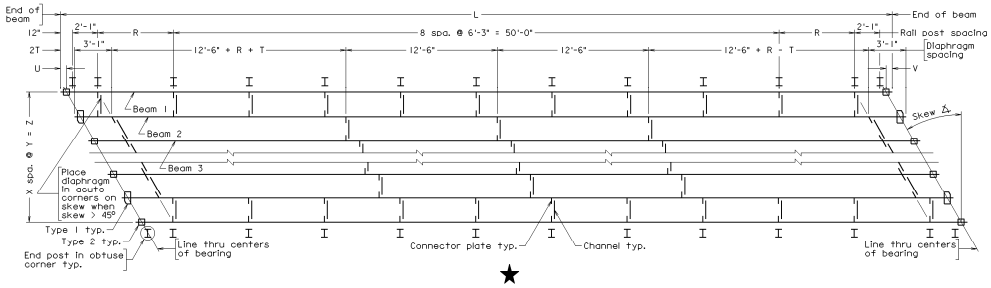
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPL09** | Framing plan with left hand skew and welded connector plates<br>(62'-5" < L ≤ 68'-8")<br>(approx. 0.25 of actual cell size) |

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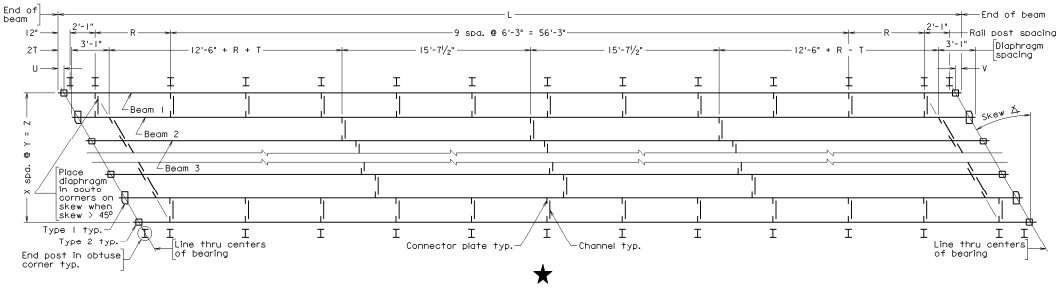
| | | |
|---|---|---|
| | **WPL10** | Framing plan with left hand skew and welded connector plates<br>(68'-8" < L ≤ 74'-11")<br>(approx. 0.25 of actual cell size) |

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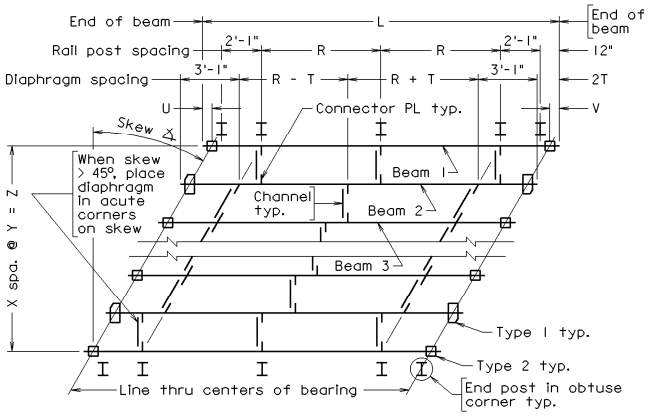
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPR01** | Framing plan with right hand skew and welded connector plates<br>(L ≤ 18'-8")<br>(approx. 0.40 of actual cell size) |

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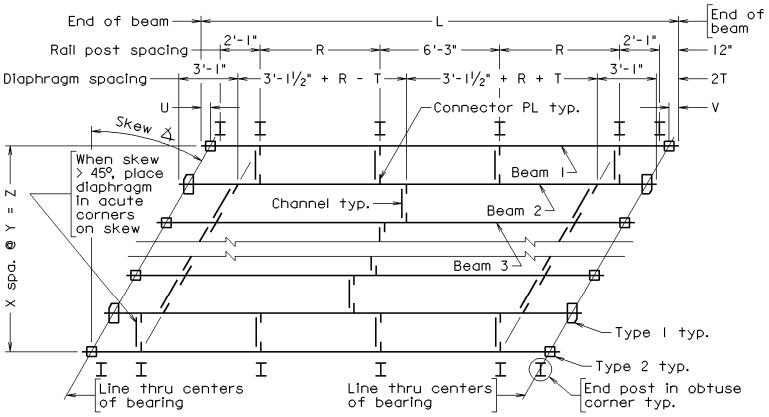
| | | |
|---|---|---|
| | **WPR02** | Framing plan with right hand skew and welded connector plates<br>(18'-8" < L ≤ 24'-11")<br>(approx. 0.40 of actual cell size) |

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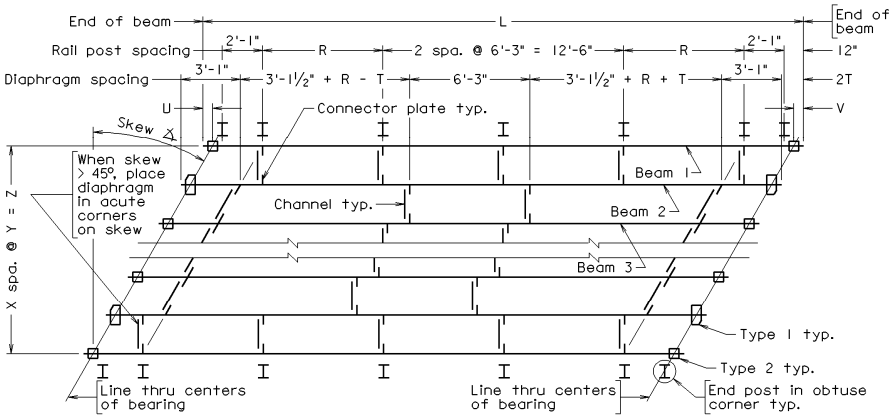
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPR03** | Framing plan with right hand skew and welded connector plates<br>(24'-11" < L ≤ 31'-2")<br>(approx. 0.40 of actual cell size) |

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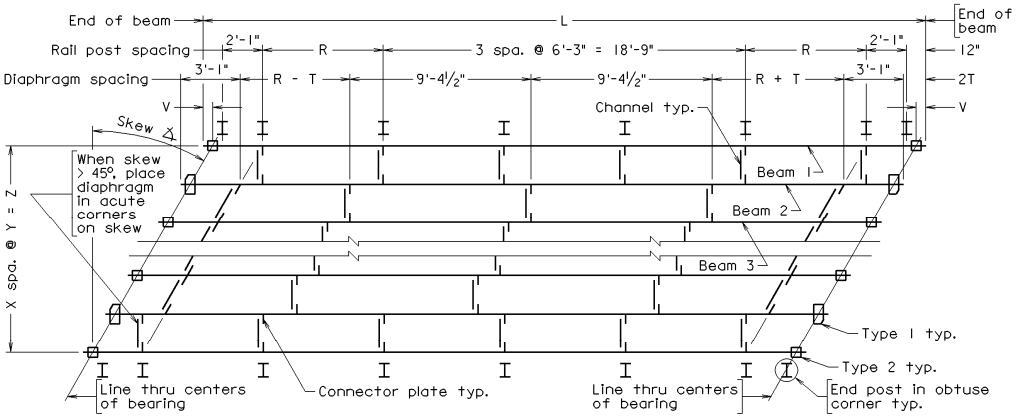
| | | |
|---|---|---|
| | **WPR04** | Framing plan with right hand skew and welded connector plates<br>(31'-2" < L ≤ 37'-5")<br>(approx. 0.40 of actual cell size) |

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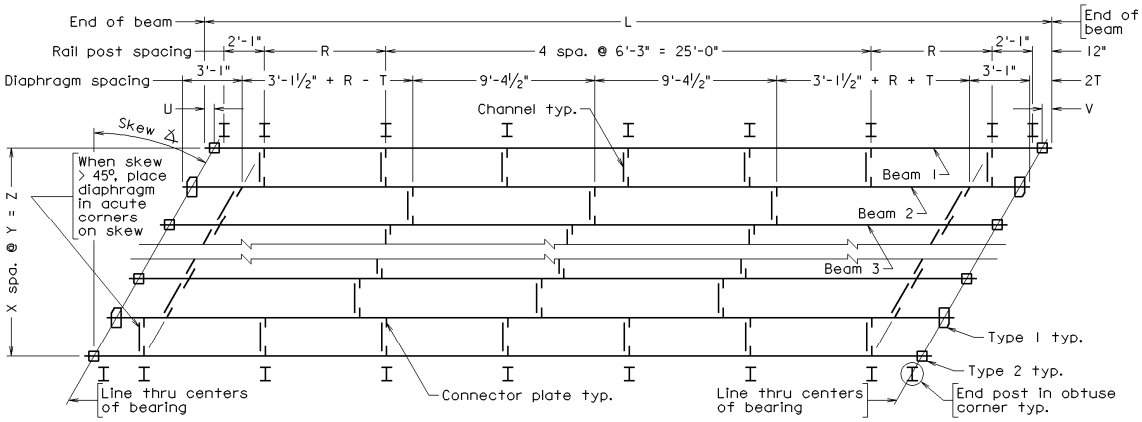
**SS-8 STEEL BEAM WITH TIMBER DECK STANDARDS**
**CELL LIBRARY: SS8.CEL**
**CELLS**

| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPR05** | Framing plan with right hand skew and welded connector plates<br>(37'-5" < L ≤ 43'-8")<br>(approx. 0.40 of actual cell size) |

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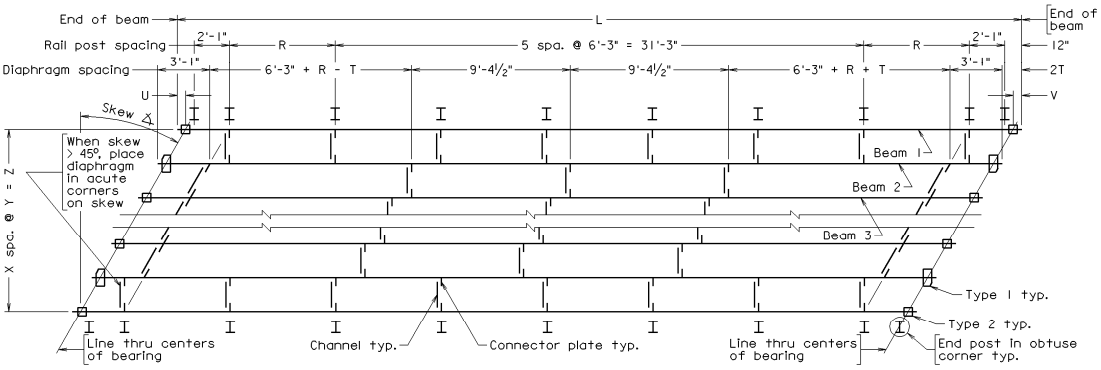
| | | |
|---|---|---|
| | **WPR06** | Framing plan with right hand skew and welded connector plates<br>(43'-8" < L ≤ 49'-11")<br>(approx. 0.35 of actual cell size) |

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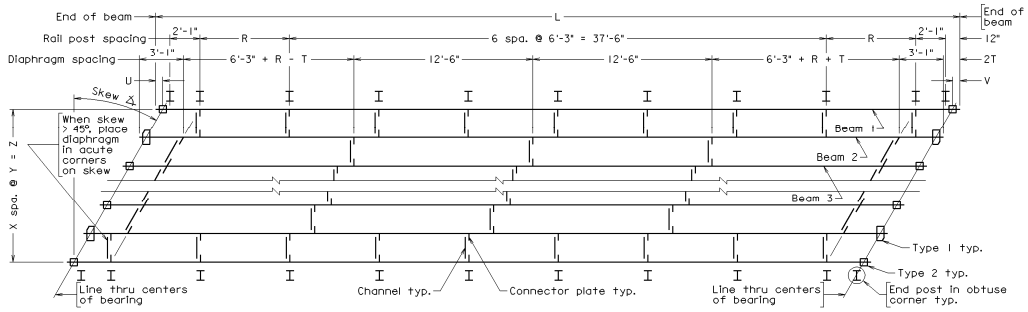
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPR07** | Framing plan with right hand skew and welded connector plates<br>(49'-11" < L ≤ 56'-2")<br>(approx. 0.30 of actual cell size) |

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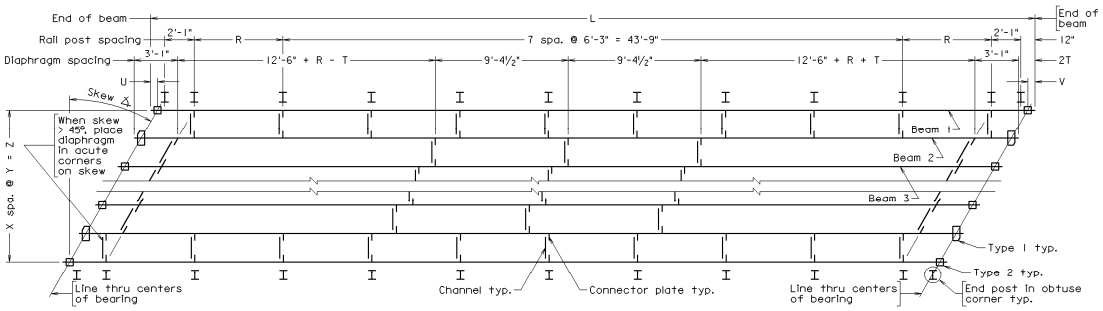
| | | |
|---|---|---|
| | **WPR08** | Framing plan with right hand skew and welded connector plates<br>(56'-2" < L ≤ 62'-5")<br>(approx. 0.30 of actual cell size) |

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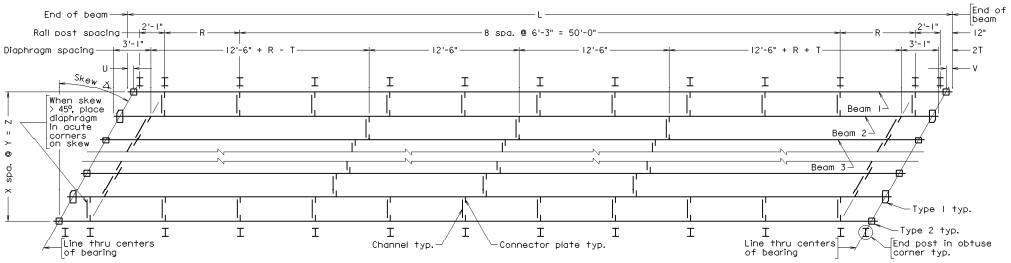
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WPR09** | Framing plan with right hand skew and welded connector plates<br>(62'-5" < L ≤ 68'-8")<br>(approx. 0.25 of actual cell size) |

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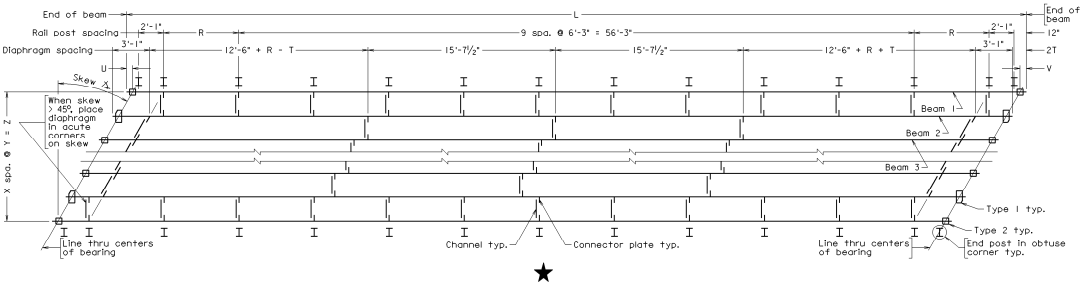
| | | |
|---|---|---|
| | **WPR10** | Framing plan with right hand skew and welded connector plates<br>(68'-8" < L ≤ 74'-11")<br>(approx. 0.25 of actual cell size) |

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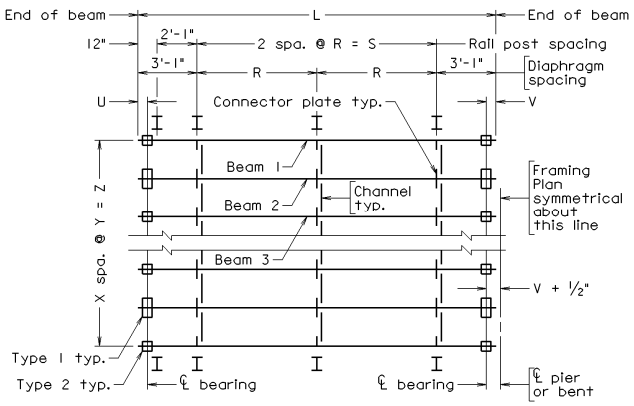
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTA01** | Two-span framing plan with 0° skew and welded connector plates<br>(L ≤ 18'-8")<br>(approx. 0.40 of actual cell size) |

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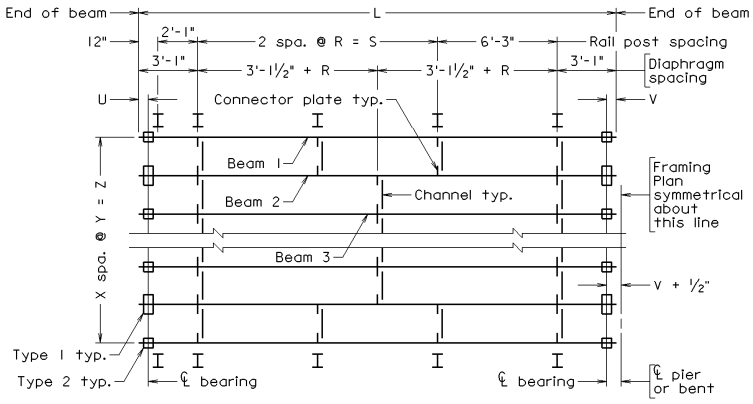
| | | |
|---|---|---|
| | **WTA02** | Two-span framing plan with 0° skew and welded connector plates<br>(18'-8" < L ≤ 24'-11")<br>(approx. 0.40 of actual cell size) |

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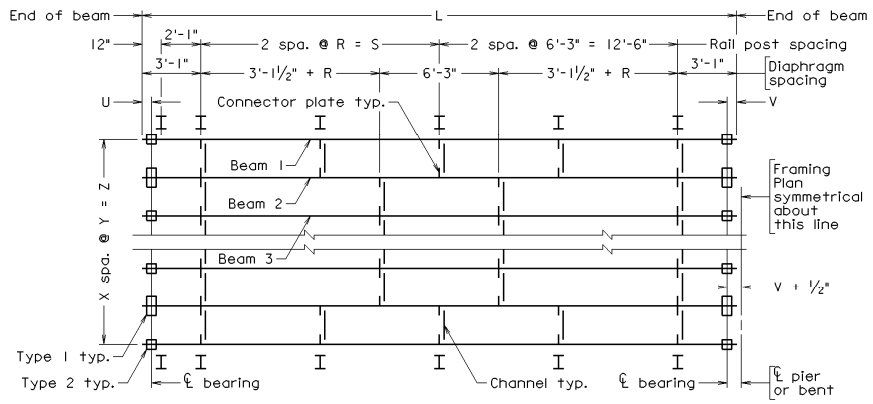
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTA03** | Two-span framing plan with 0° skew and welded connector plates<br>(24'-11" < L ≤ 31'-2")<br>(approx. 0.40 of actual cell size) |

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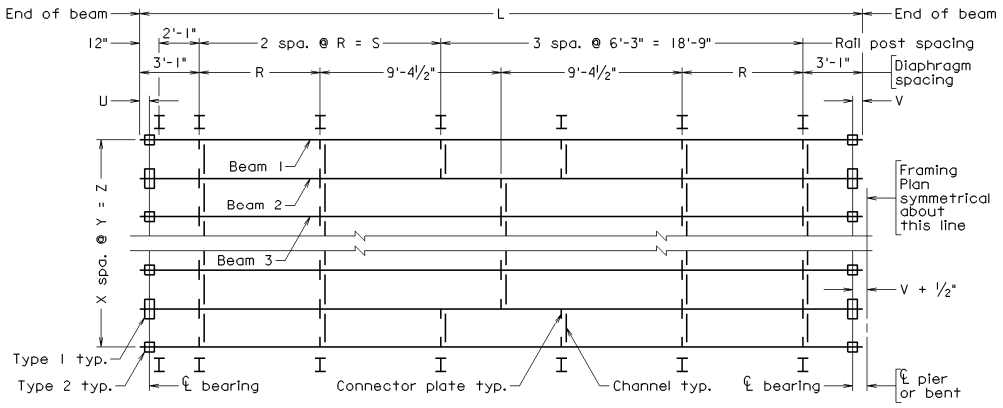
| | | |
|---|---|---|
| | **WTA04** | Two-span framing plan with 0° skew and welded connector plates<br>(31'-2" < L ≤ 37'-5")<br>(approx. 0.40 of actual cell size) |

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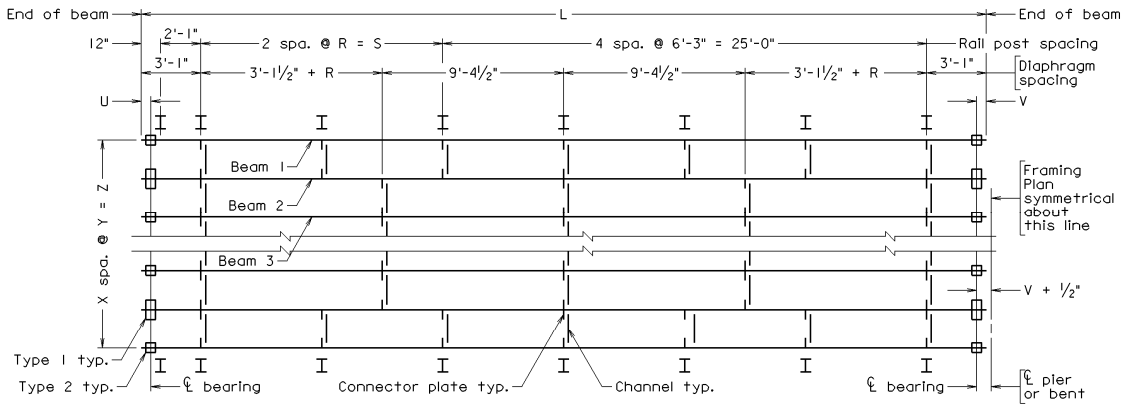
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTA05** | Two-span framing plan with 0° skew and welded connector plates<br>(37'-5" < L ≤ 43'-8")<br>(approx. 0.40 of actual cell size) |

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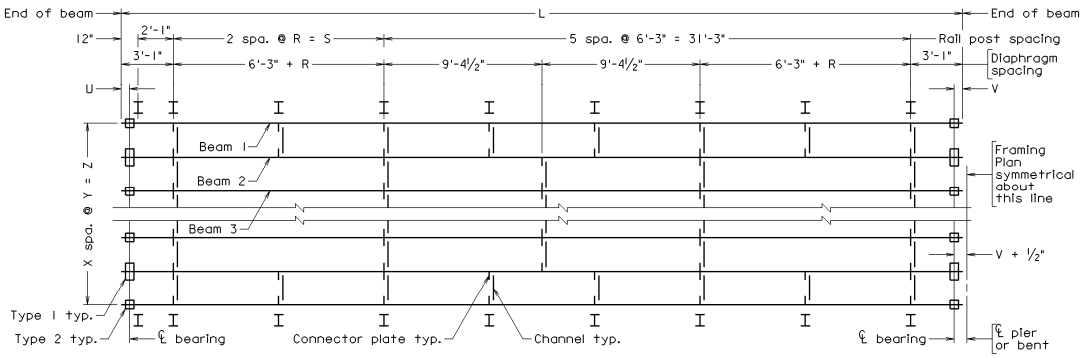
| | | |
|---|---|---|
| | **WTA06** | Two-span framing plan with 0° skew and welded connector plates<br>(43'-8" < L ≤ 49'-11")<br>(approx. 0.35 of actual cell size) |

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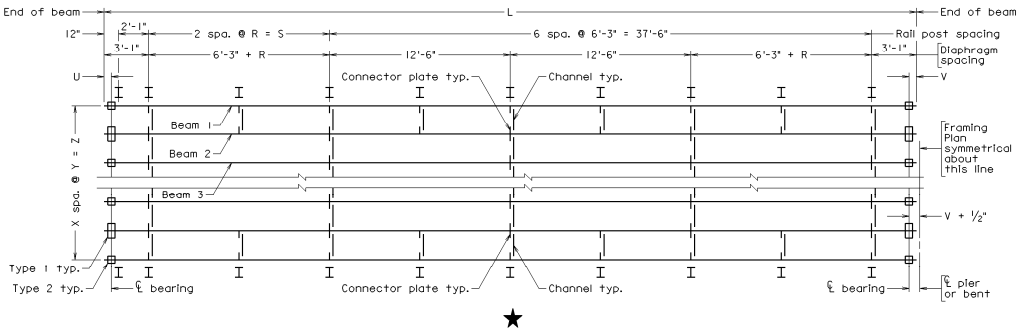
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTA07** | Two-span framing plan with 0° skew and welded connector plates<br>(49'-11" < L ≤ 56'-2")<br>(approx. 0.30 of actual cell size) |

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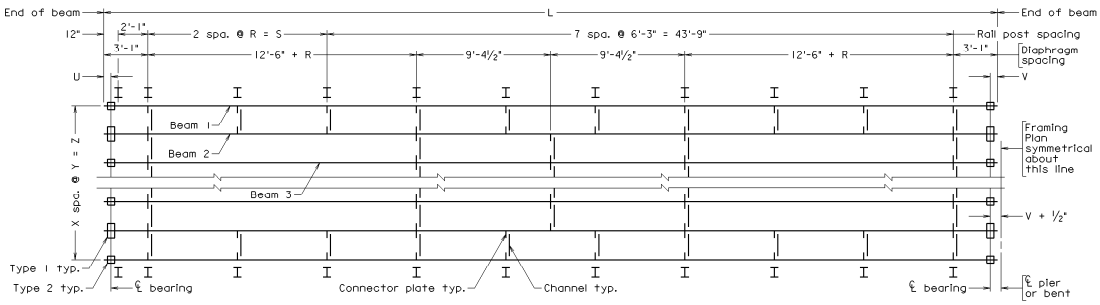
| | | |
|---|---|---|
| | **WTA08** | Framing plan with 0° skew and welded connector plates<br>(56'-2" < L ≤ 62'-5")<br>(approx. 0.30 of actual cell size) |

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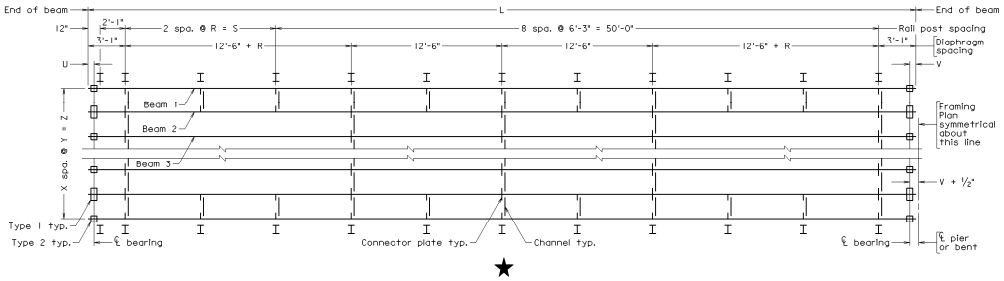
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTA09** | Two-span framing plan with 0° skew and welded connector plates<br>(62'-5" < L ≤ 68'-8")<br>(approx. 0.25 of actual cell size) |

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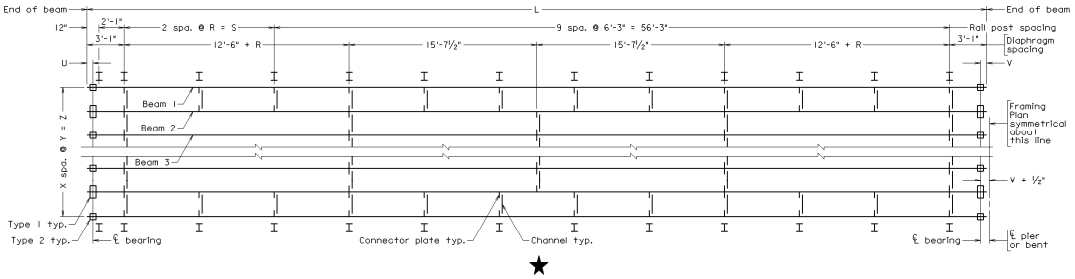
| | | |
|---|---|---|
| | **WTA10** | Two-span framing plan with 0° skew and welded connector plates<br>(68'-8" < L ≤ 74'-11")<br>(approx. 0.25 of actual cell size) |

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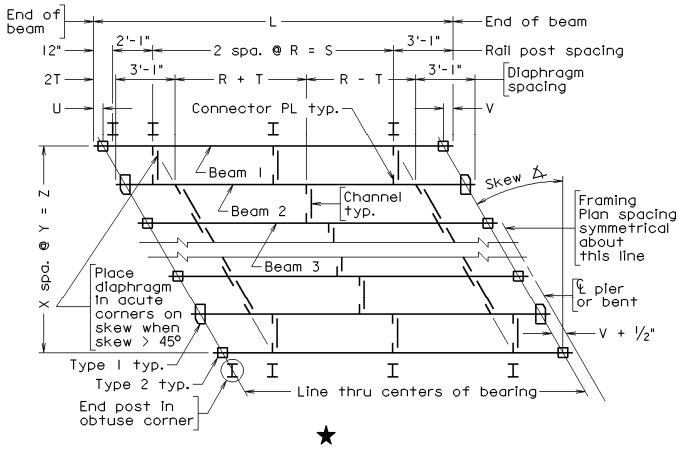
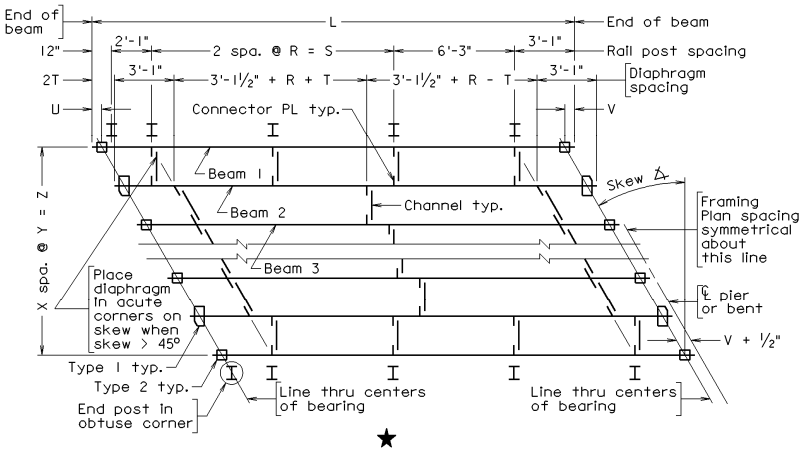
|---|---|
| **SS-8 STEEL BEAM WITH TIMBER DECK STANDARDS**<br>**CELL LIBRARY: SS8.CEL**<br>**CELLS** | PART 8<br>DATE: 12Sep2008<br>SHEET 80 of 90<br>FILE NO. SS8CELLS-80 |

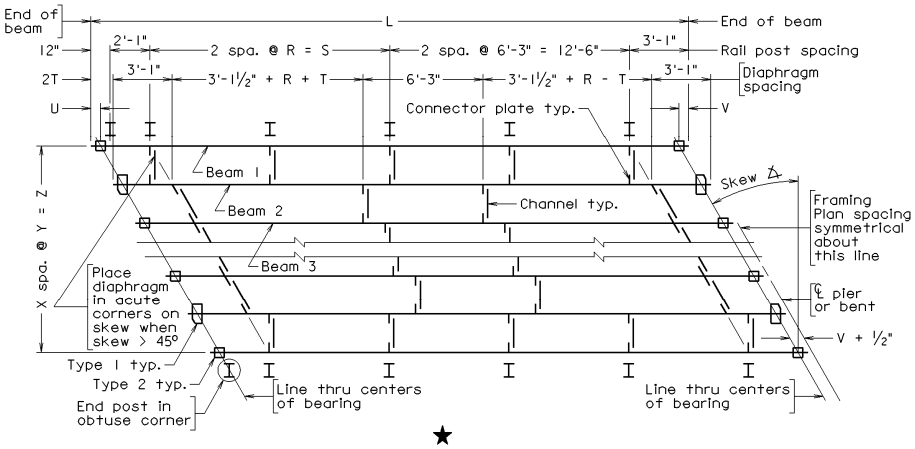
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTL01** | Two-span framing plan with left hand skew and welded connector plates (L ≤ 18'-8") (approx. 0.40 of actual cell size) |




| | | |
|---|---|---|
| | **WTL02** | Two-span framing plan with left hand skew and welded connector plates (18'-8" < L ≤ 24'-11") (approx. 0.40 of actual cell size) |



| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTL03** | Two-span framing plan with left hand skew and welded connector plates (24'-11" < L ≤ 31'-2") (approx. 0.40 of actual cell size) |

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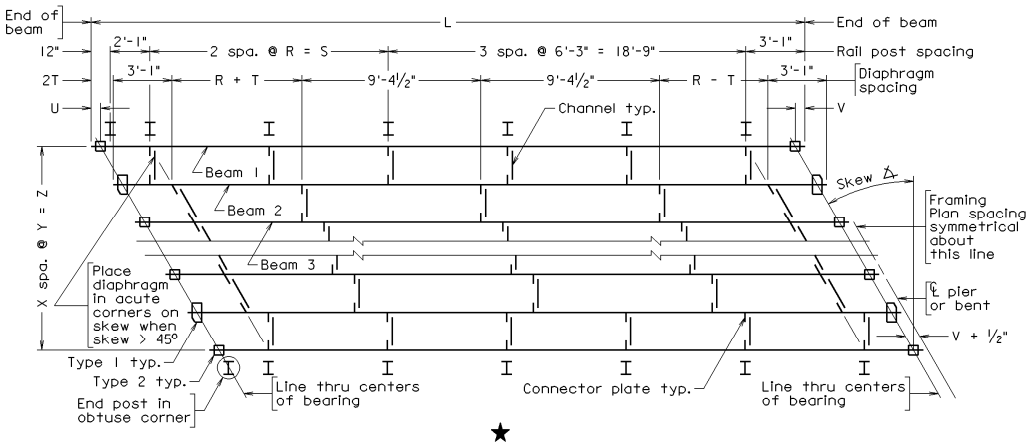
| | | |
|---|---|---|
| | **WTL04** | Two-span framing plan with left hand skew and welded connector plates (31'-2" < L ≤ 37'-5") (approx. 0.40 of actual cell size) |

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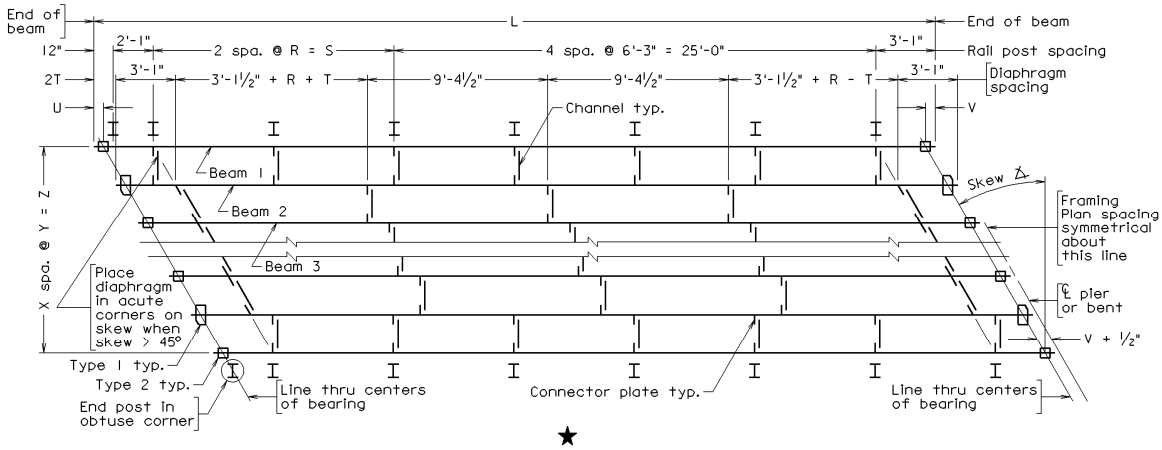
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTL05** | Two-span framing plan with left hand skew and welded connector plates (37'-5" < L ≤ 43'-8") (approx. 0.40 of actual cell size) |

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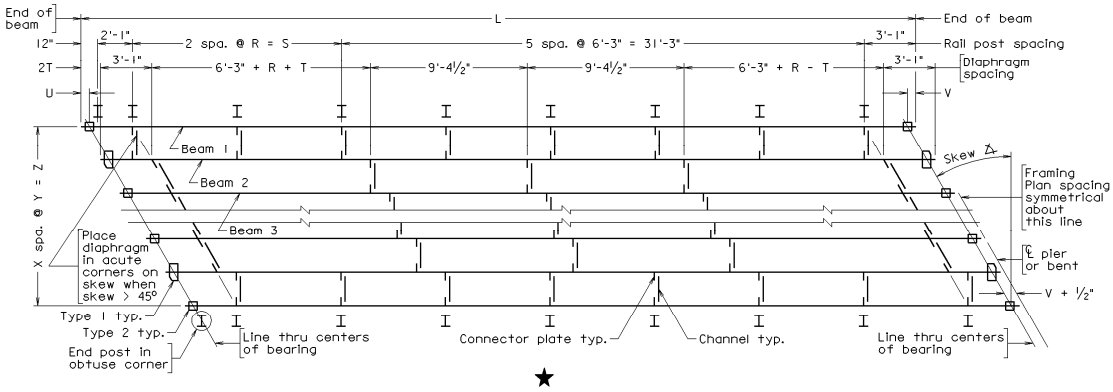
| | | |
|---|---|---|
| | **WTL06** | Two-span framing plan with left hand skew and welded connector plates (43'-8" < L ≤ 49'-11") (approx. 0.35 of actual cell size) |

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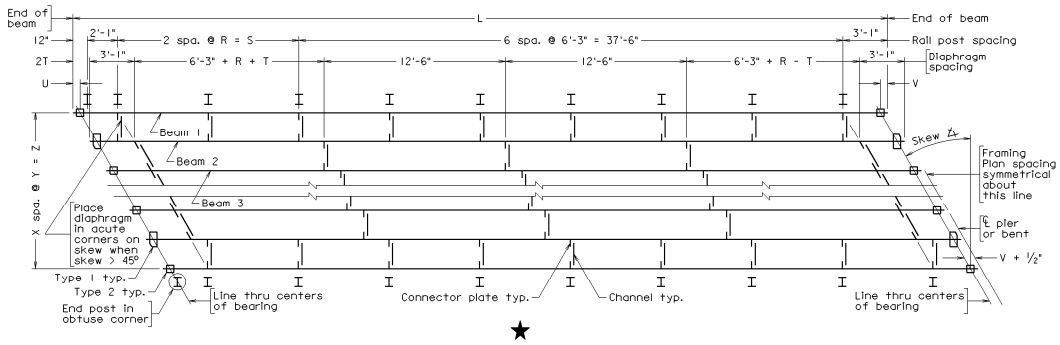
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTL07** | Two-span framing plan with left hand skew and welded connector plates (49'-11" < L ≤ 56'-2") (approx. 0.30 of actual cell size) |

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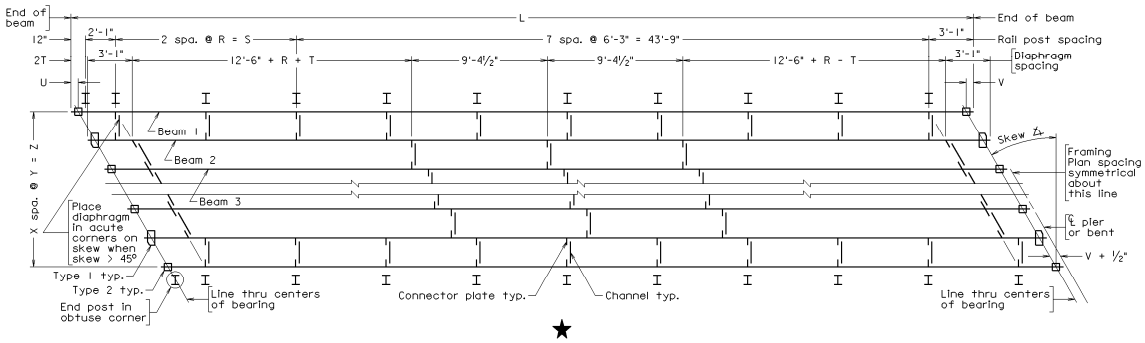
| | | |
|---|---|---|
| | **WTL08** | Two-span framing plan with left hand skew and welded connector plates (56'-2" < L ≤ 62'-5") (approx. 0.30 of actual cell size) |

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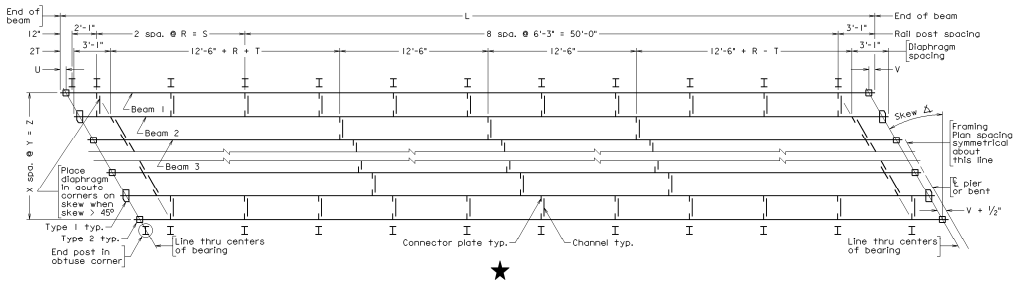
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTL09** | Two-span framing plan with left hand skew and welded connector plates (62'-5" < L ≤ 68'-8") (approx. 0.25 of actual cell size) |

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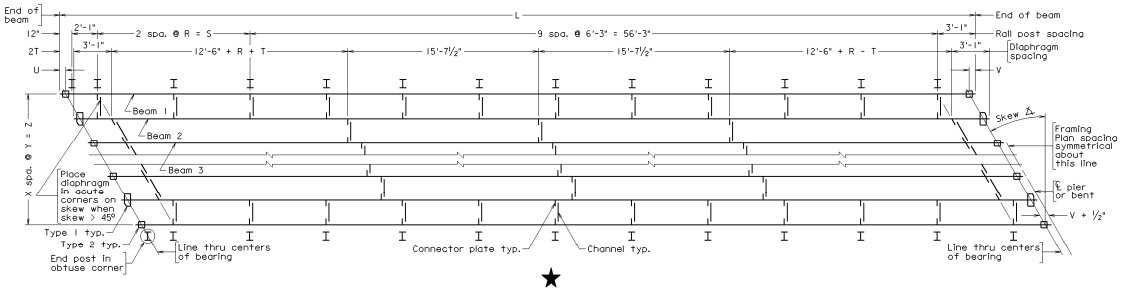
| | | |
|---|---|---|
| | **WTL10** | Two-span framing plan with left hand skew and welded connector plates (68'-8" < L ≤ 74'-11") (approx. 0.25 of actual cell size) |

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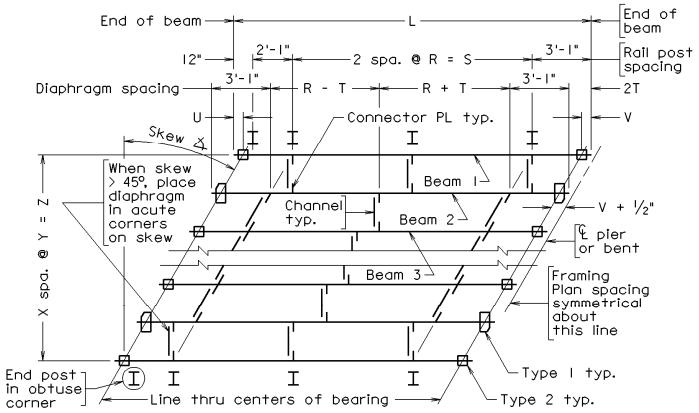
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTR01** | Two-span framing plan with right hand skew and welded connector plates (L ≤ 18'-8") (approx. 0.40 of actual cell size) |

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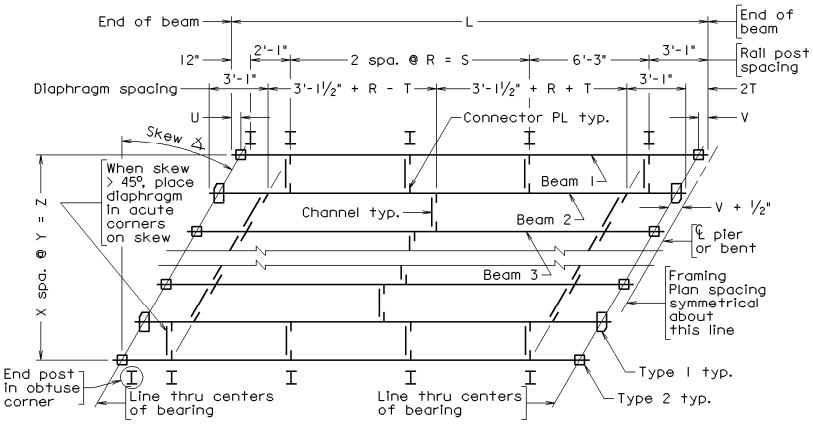
|---|---|---|
| | **WTR02** | Two-span framing plan with right hand skew and welded connector plates (18'-8" < L ≤ 24'-11") (approx. 0.40 of actual cell size) |

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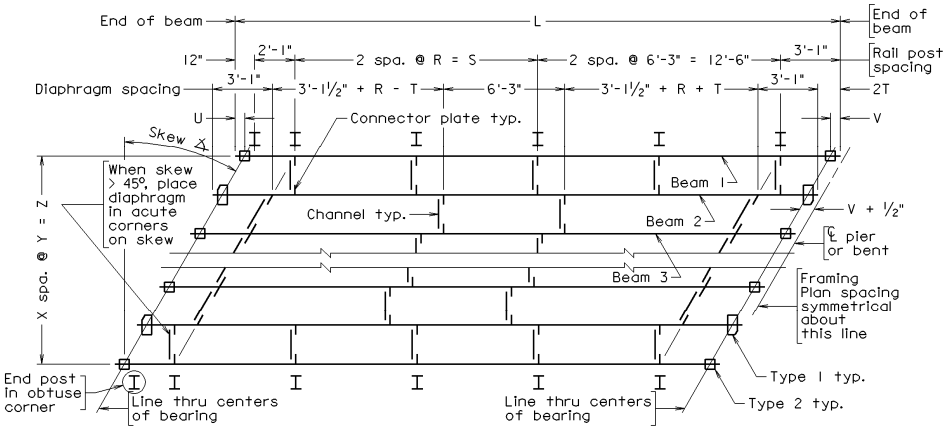
**SS-8 STEEL BEAM WITH TIMBER DECK STANDARDS**
**CELL LIBRARY: SS8.CEL**
**CELLS**

| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTR03** | Two-span framing plan with right hand skew and welded connector plates (24'-11" < L ≤ 31'-2") (approx. 0.40 of actual cell size) |

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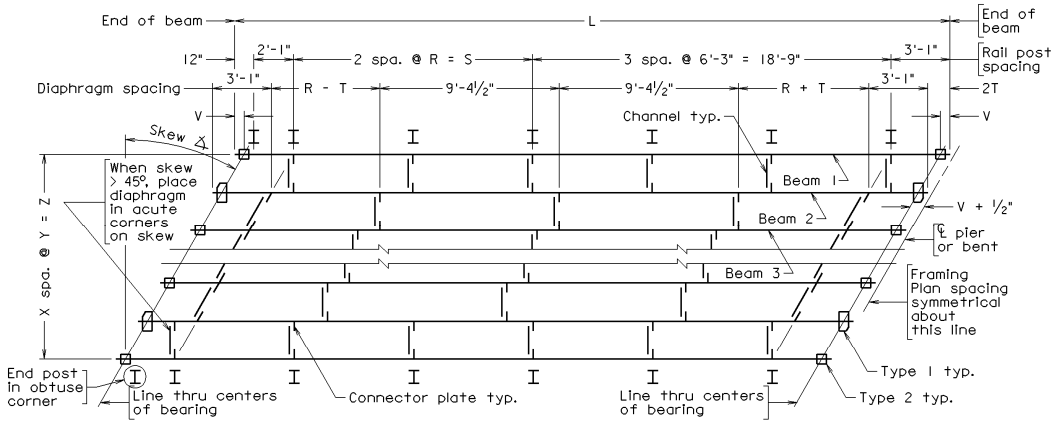
|---|---|---|
| | **WTR04** | Two-span framing plan with right hand skew and welded connector plates (31'-2" < L ≤ 37'-5") (approx. 0.40 of actual cell size) |

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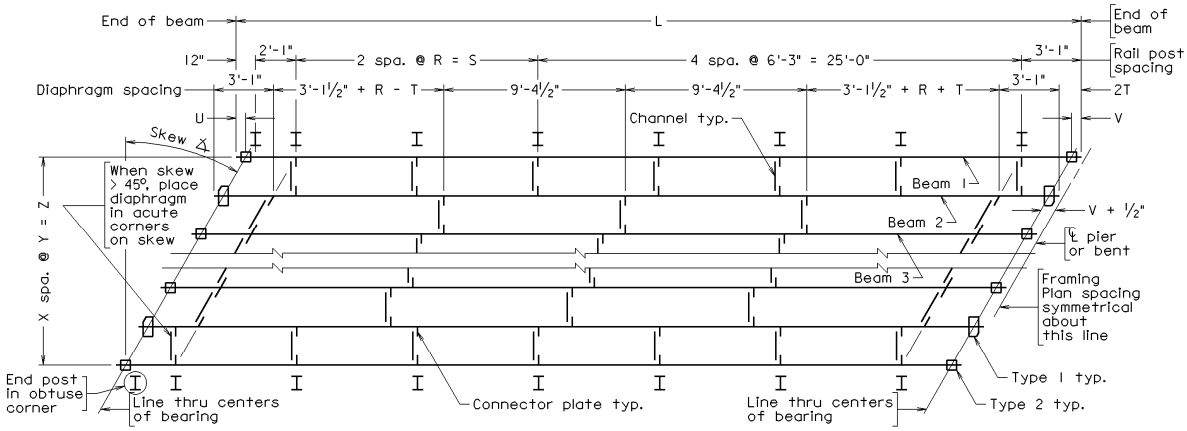
| **SS-8 STEEL BEAM WITH TIMBER DECK STANDARDS**<br>**CELL LIBRARY: SS8.CEL**<br>**CELLS** | PART 8<br>DATE: 12Sep2008<br>SHEET 87 of 90<br>FILE NO. SS8CELLS-87 |

| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTR05** | Two-span framing plan with right hand skew and welded connector plates (37'-5" < L ≤ 43'-8") (approx. 0.40 of actual cell size) |

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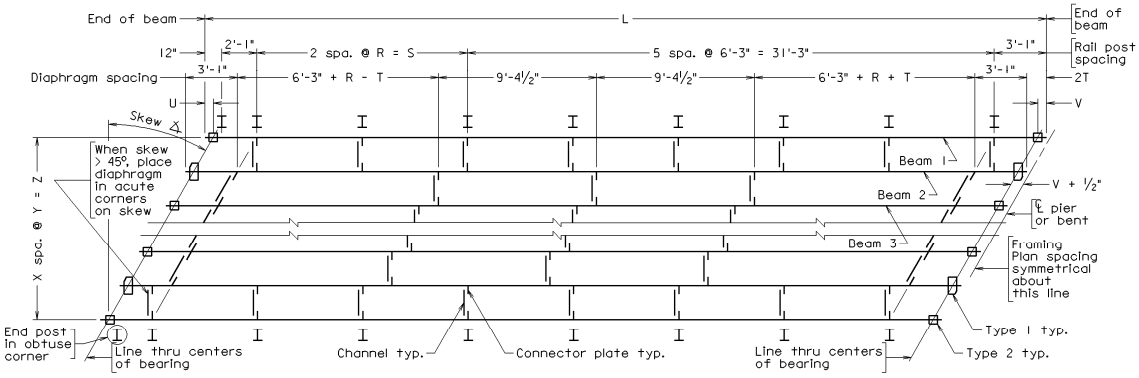
|---|---|---|
| | **WTR06** | Two-span framing plan with right hand skew and welded connector plates (43'-8" < L ≤ 49'-11") (approx. 0.35 of actual cell size) |

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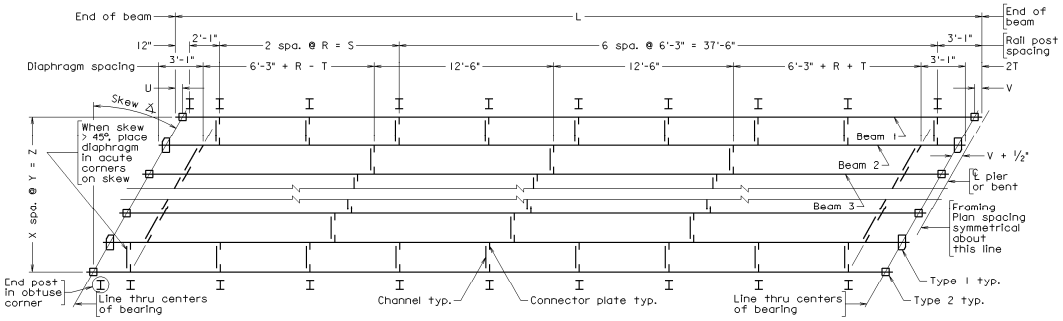
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTR07** | Two-span framing plan with right hand skew and welded connector plates (49'-11" < L ≤ 56'-2") (approx. 0.30 of actual cell size) |

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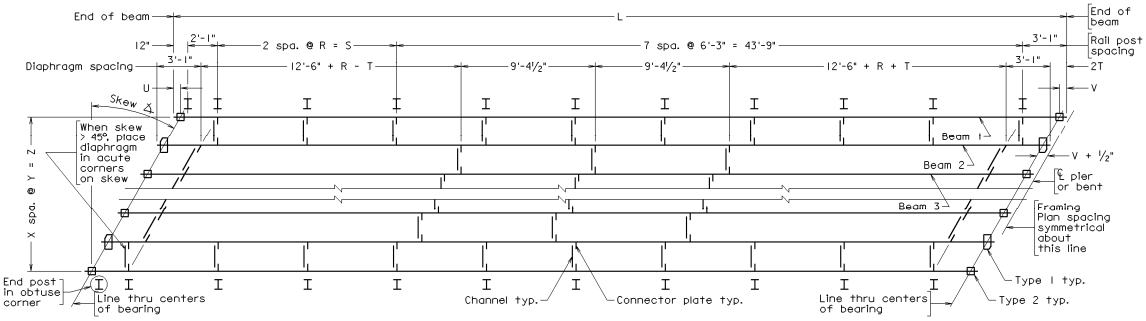
|---|---|---|
| | **WTR08** | Two-span framing plan with right hand skew and welded connector plates (56'-2" < L ≤ 62'-5") (approx. 0.30 of actual cell size) |

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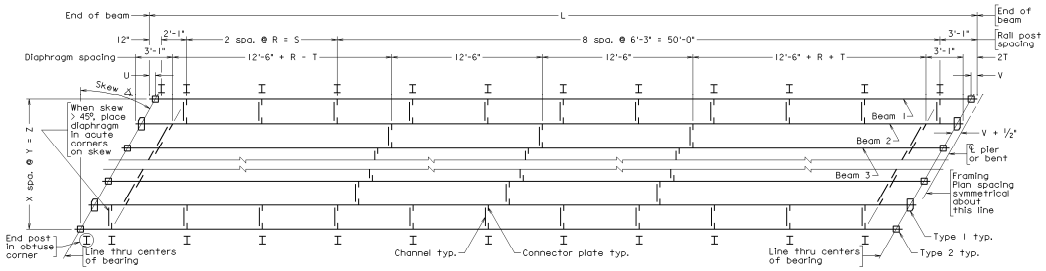
| CELL | CELL NAME | CELL DESCRIPTION |
|---|---|---|
| | **WTR09** | Two-span framing plan with right hand skew and welded connector plates (62'-5" < L ≤ 68'-8") (approx. 0.25 of actual cell size) |

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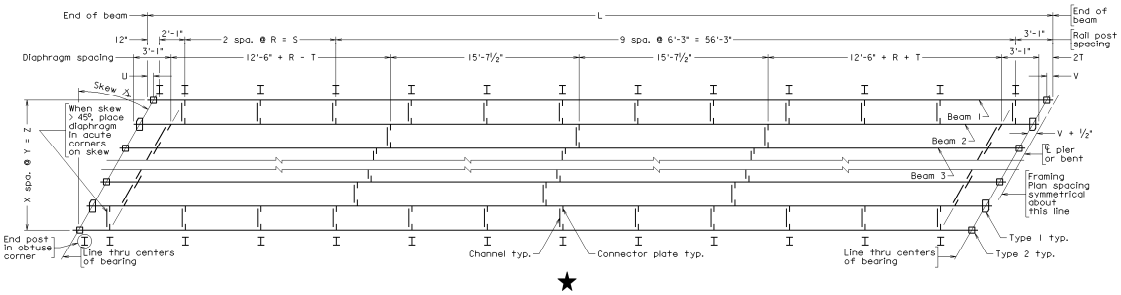
|---|---|---|
| | **WTR10** | Two-span framing plan with right hand skew and welded connector plates (68'-8" < L ≤ 74'-11") (approx. 0.25 of actual cell size) |

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