**CONCRETE PARAPET NOTES:**
1. Concrete parapet shall be placed vertical and top surface shall be level.
2. Payment will be made under 54" Concrete Parapet (Pedestrian/Bicycle, LP) (Item No. 521-6-13).

**PRECAST PANEL NOTES:**
1. Panel concrete shall be Class III for slightly or moderately aggressive or Class IV for extremely aggressive environments.
2. Precast Panel Tolerances:
   a. Overall Height & Width: ± 1/8
   b. Thickness: ± 1/8
   c. Plane of side mold: ± 1/8
   d. Openings:
      i. Out of Square: 1/16 per ft.
      ii. Warping: 1/4 per foot distance to nearest corner.
   e. Bowing: 1/16 panel dimension
   f. Surface Smoothness: 1/16" along 10ft.
   g. Straight edge (Non-textured Surface)
   h. Adjacent panel alignment: ± 1/8

**WIRE CABLE NOTES:**
1. Turnbuckles shall be ASTM F1314, Type III (Rigging), Class D Ø 8 or 12 hot-dip galvanized.
2. Wire Cable shall be Ø 8 or 12 hot-dip galvanized. Precast panel galvanized IPS ASTM A1023.
3. Cable connections to Turnbuckles, Eye Bolts and End Stops shall be stainless steel or galvanizing.
4. Cable shall be stressed to 1000 lbs. minimum 1500 lbs maximum at time of installation.
5. After cable stressing, Jam nuts shall be tacked welded to Turnbuckles body to prevent loosening. Tack welds shall be 1500 lbs maximum at time of installation.
6. Anchor Bolts shall be zinc plated with pullout strength of 16,000 lbs for 5" embedment in Class II concrete.

**TEMPORARY ANCHORAGE ASSEMBLY NOTES:**
1. Anchor plate shall be ASTM A36.
2. Anchor bolts shall be zinc plated with pullout strength of 16,000 lbs for 5" embedment in Class II concrete.

**REINFORCING STEEL NOTES:**
1. All bar dimensions in the bending diagrams are out to out.
2. The reinforcement for the parapet on a retaining wall shall be the same as detailed above for a 8" deck.
3. All reinforcing steel at the open joints shall have 2" minimum cover.
4. Bars 4S in C.I.P curb may be continuous or spliced at the construction joints.
5. At the option of the Contractor Welded Wire Reinforcement (WWR) may be used in lieu of all Reinforcing Steel.

**CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS**

**BILL OF REINFORCING STEEL**

**TAPERED RECESS DETAIL**

**SPLICE DETAIL**

**WELDED WIRE REINFORCEMENT (WWR)**

**BAR 3R2A**

**BAR 4S**

**DETAIL B-B**

**TEMPORARY ANCHORAGE ASSEMBLY**

**DETAILED B**

**PRECAST PANEL ANCHORAGE**

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**TYPICAL ELEVATION WITH PRECAST PANELS**

**TYPICAL ELEVATION OF TRANSITION TO 42" CONCRETE PEDESTRIAN/BICYCLE RAILING**

**ALTERNATE REINFORCING (WELDED WIRE REINF.) DETAILS**

**SECTION C-C**

**SECTION B-B**

**SECTION A-A**

**TAPERED RECESS DETAIL**

**WELDED WIRE REINFORCEMENT (WWR)**

**SHORT PANELS**

**LONG PANELS**

**riter bars**

**Temporary Anchors**

**Concrete Pedestrian/Bicycle Railing**

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**54° CONCRETE PEDESTRIAN/BICYCLE RAILING**

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**521-6-13**

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**2010 Interim Design Standard**

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**826**

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**Sp. @ 6" Sp. (Pairs)**

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**New Design Standard**

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**822**