**PRECAST COPING - PARTIAL ELEVATION VIEW**

**SECTION A-A**

- **C-I-P COPING**
  - Dowel Bars 4D (Typ.)
  - See Note 2
  - 2" Min. Cover (Typ.)
  - Varies (1'-3" Max., 2" Min.)
  - C-I-P Buildup Concrete (1"-1" Max.)
  - Provide 2(\(\frac{3}{8}\)) x 2(\(\frac{3}{8}\)) preservative treated timber blocking Ø 2 Max. Spacing for gaps > 1'
  - Dowel Bars 4D (See Note 2)
  - ½ Chamfer (Typ.)
  - ½ Std. (½ Min. – ½" Max.)
  - Smooth or Textured Face of Panel

**SECTION B-B**

- **PRECAST COPING**
  - 1½" Open Joint
  - 2½" Open Joint
  - ½ Open Joint Spacing – 3½'-0" Typical (1½'-0" Min.)
  - 2½" Open Joint

**PRECAST AND C-I-P COPING NOTES:**
1. Provide Class II concrete for slightly aggressive environments or Class IV for moderately or extremely aggressive environments.
2. Dowel Bars 4D extend 1½" above the top of retaining wall panel. Field cut as necessary to maintain 2" minimum cover. See Wall Company Drawings for number and spacing of Dowel Bars 4D.
3. Payment for Dowel Bars 4D, Buildup Concrete and Coping will be made under Retaining Wall System (Permanent).
REINFORCING STEEL BENDING DIAGRAMS - PRECAST AND C-I-P COPINGS

REINFORCING STEEL NOTES:
1. All bar dimensions in the bending diagrams are out to out.
2. All reinforcing steel at the open joints will have a 2" minimum cover.
3. Bars 4A may be continuous or spliced at the construction joints. Lap splices for Bars 4A will be a minimum of 1'-8".
4. The Contractor may use Welded Wire Reinforcement (WWR) when approved by the Engineer. WWR must consist of Deformed wire meeting the requirements of Specification Section 931.

**  For Slightly and Moderately Aggressive environments
***  For Extremely Aggressive environments.

### Bar Details:
- **Bars 4B** (Horizontal) (Field cut as required to maintain minimum cover)
- **Bars 4U3** @ 1'-6" Max. sp. (Typ.)

**For Slightly and Moderately Aggressive environments**
- **Bars 4A** (Typ.)

**For Extremely Aggressive environments**
- **Bars 4B** shown as (x) (Typ.)
- **Bars 4U3**

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C-I-P COPING ENCLOSURE DETAIL

- **Field cut as required to maintain 2" minimum cover**
- **Begin or End Retaining Wall**
- **Bars 4A (follows Slope of C-I-P Coping Enclosure)**

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C-I-P COPING USED WITH PRECAST COPING

Note: When precast coping units do not fill the entire length of the retaining wall, use this similar C-I-P coping for short portions between precast coping units. This C-I-P coping may also be used for vertical copings.

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BILL OF REINFORCING STEEL

<table>
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<tr>
<th>MARK</th>
<th>SIDE</th>
<th>LENGTH (L)</th>
<th>LENGTH (L)</th>
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<tr>
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<tr>
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<td>4</td>
<td>Panel width + 4&quot;</td>
<td>Panel width + 4&quot;</td>
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<td>4</td>
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<tr>
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<td>4</td>
<td>Dim. C - 4&quot;</td>
<td>Dim. C - 6&quot;</td>
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LEVELING PAD FOR MSE WALL SHOWN...

- **3" Min. Overlap**

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Dowel Bars 4D (See Note 2, Sheet 1)

---

REINFORCING STEEL BENDING DIAGRAMS - PRECAST AND C-I-P COPINGS

- **2" Min. Cover (Typ.)**
- **3" Min. Cover (Typ.)**
- **Top of Coping**
- **Top of Retaining Wall End Panel**
- **Bottom of Coping**
- **Edge of C-I-P Coping Enclosure**
- **Edge of Retaining Wall End Panel**

---

REINFORCING STEEL NOTES:
- **Dimensions in the bending diagrams are out to out.**
- **Reinforcing steel at the open joints will have a 2" minimum cover.**
- **Bars 4A may be continuous or spliced at the construction joints. Lap splices for Bars 4A will be a minimum of 1'-8".**
- **The Contractor may use Welded Wire Reinforcement (WWR) when approved by the Engineer. WWR must consist of Deformed wire meeting the requirements of Specification Section 931.**

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**S = Slightly Aggressive**
**M = Moderately Aggressive**
**E = Extremely Aggressive**

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REINFORCING STEEL BENDING DIAGRAMS - PRECAST AND C-I-P COPINGS

- **Field cut as required to maintain 2" minimum cover**
- **2'-0" Min.**
- **Dim. B**

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C-I-P COPING ENCLOSURE DETAIL

- **3" Min. Overlap**
- **Top of Coping**
- **Retaining Wall End Panel**

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REAR VIEW OF C-I-P COPING ENCLOSURE DETAIL

- **Bars 4A** (Typ.)
- **Bars 4B** (Typ.)
- **Bars 4U3**

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3" Min. Overlap for MSE Wall Shown

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REAR VIEW OF C-I-P COPING ENCLOSURE DETAIL

- **2" Min. Cover (Typ.)**
- **3" Min. Cover (Typ.)**
- **Top of Coping**
- **Top of Retaining Wall End Panel**
- **Bottom of Coping**
- **Edge of C-I-P Coping Enclosure**
- **Edge of Retaining Wall End Panel**