C-I-P COPING - PARTIAL ELEVATION VIEW

Bars 4U1 @ 1'-6" Max. sp. (lap with Dowel Bars 4D) (Typ.)

₵ ½" Open Joint

½" Open Joint Spacing ~ 30'-0" Typical (10'-0" Min.)

Bars 4A (follows Slope of C-I-P Coping)

Top of C-I-P Coping

₵ ½" Open Joint

Bars 4B (follows top of Retaining Wall Panel) (Typ.)

Dowel Bars 4D (Typ.) (See Note 2)

Top of Retaining Wall Panel (Typ.)

Bottom of C-I-P Coping

Clearance Varies

Retaining Wall Panels (Typ.)

SECTION A-A
C-I-P COPING

Dim. A

* 2" Min. Cover (Typ.)
** 3" Min. Cover (Typ.)

Bars 4U1

¾" Chamfer (Typ.)

Bars 4A

Drainage Ditch when required (See Wall Control Drawings for details)

Varies (1'-3" Max., 2" Min.)

2'-0"

Bars 4B shown as (●)

Dowel Bars 4D (See Note 2)

6"

Retaining Wall Panel (See Wall Company Drawings for Details)

Smooth or Textured Face of Panel

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 1'-0" 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).

| Dim. A | Panel width + 6" |
| Dim. B | Panel width + 1'-0" Min. |
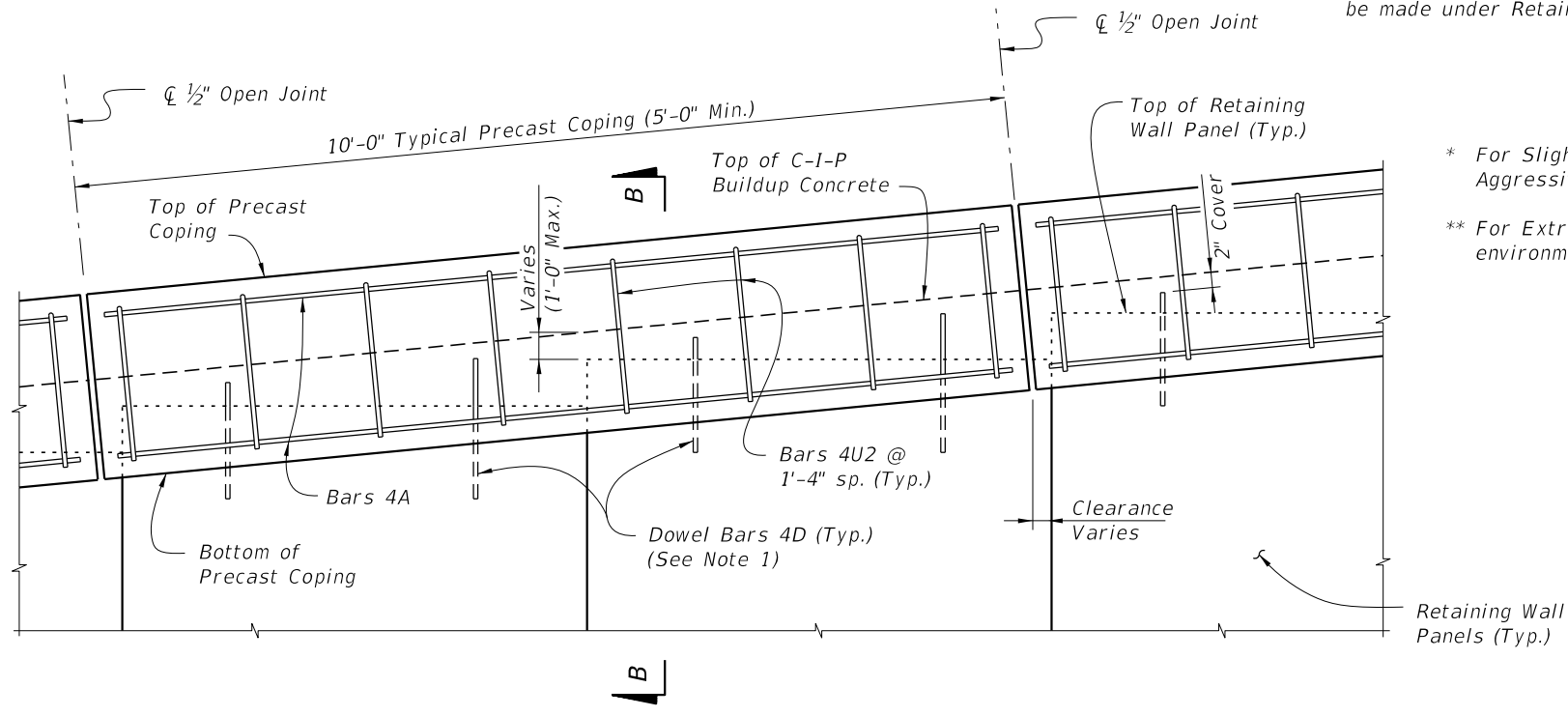
PRECAST COPING - PARTIAL ELEVATION VIEW

₵ ½" Open Joint

10'-0" Typical Precast Coping (5'-0" Min.)

Top of C-I-P Buildup Concrete

₵ ½" Open Joint

Top of Retaining Wall Panel (Typ.)

Top of Precast Coping

Varies (1'-0" Max.)

2" Cover

Bars 4U2 @ 1'-4" sp. (Typ.)

Bars 4A

Dowel Bars 4D (Typ.) (See Note 1)

Bottom of Precast Coping

Clearance Varies

Retaining Wall Panels (Typ.)

* For Slightly and Moderately Aggressive environments

** For Extremely Aggressive environments.
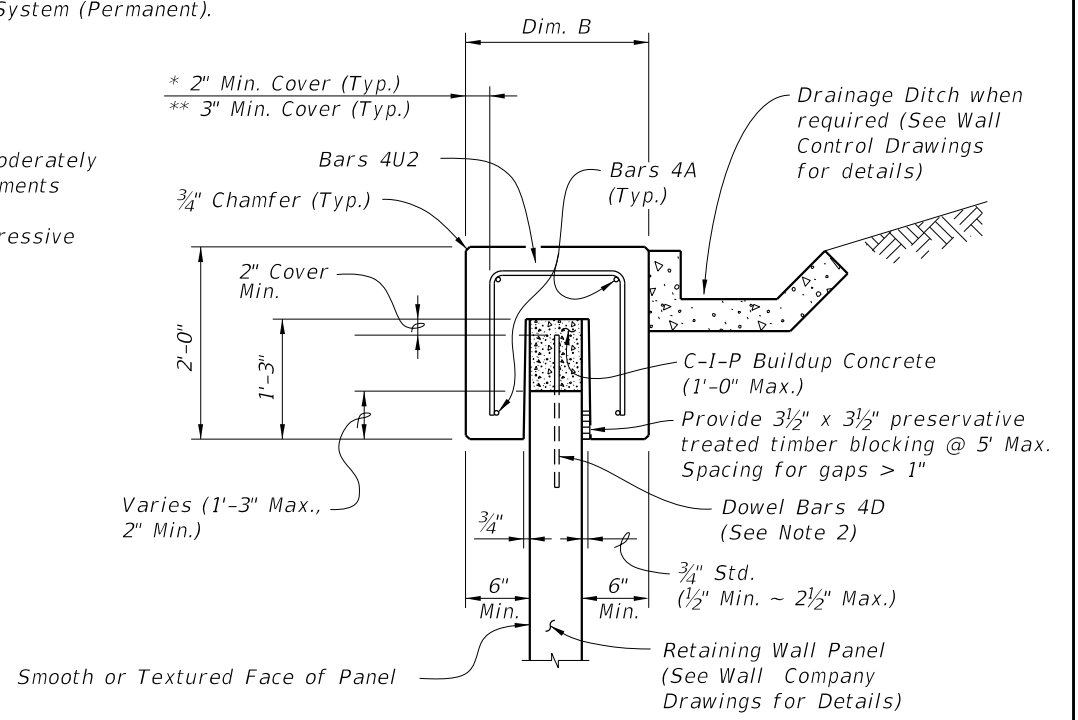
SECTION B-B
PRECAST COPING

Dim. B

* 2" Min. Cover (Typ.)
** 3" Min. Cover (Typ.)

Bars 4U2

¾" Chamfer (Typ.)

Bars 4A (Typ.)

Drainage Ditch when required (See Wall Control Drawings for details)

2" Cover Min.

2'-0"

1'-3"

Varies (1'-3" Max., 2" Min.)

¾"

6" Min.

6" Min.

C-I-P Buildup Concrete (1'-0" Max.)

Provide 3½" x 3½" preservative treated timber blocking @ 5' Max. Spacing for gaps > 1"

Dowel Bars 4D (See Note 2)

¾" Std. (½" Min. ~ 2½" Max.)

Retaining Wall Panel (See Wall Company Drawings for Details)

Smooth or Textured Face of Panel

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

BILL OF REINFORCING STEEL

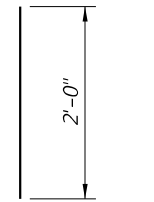| MARK	SIZE	LENGTH * S or M	LENGTH * E
A	4	AS REQD.	AS REQD.
B	4	AS REQD.	AS REQD.
D	4	2'-0"	2'-0"
U1	4	Panel width + 4"	Panel width + 3"
U2	4	Panel width + 8"	Panel width + 6"
U3	4	Panel width + 4"	Panel width + 3"

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 when approved by the Engineer. Welded Wire Reinforcement will conform to ASTM A 497.
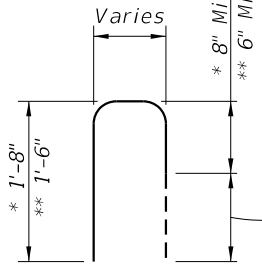
* S = Slightly Aggressive
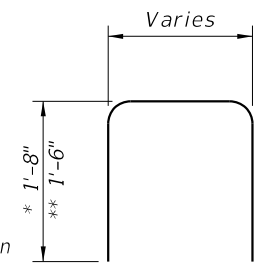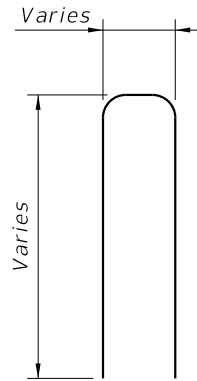 M = Moderately Aggressive
 E = Extremely Aggressive
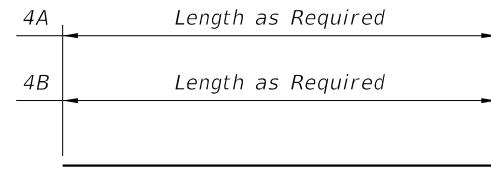
BARS 4A & 4B

DOWEL BAR 4D

BAR 4U1
Field cut as required to maintain 2" minimum cover

BAR 4U2

BAR 4U3
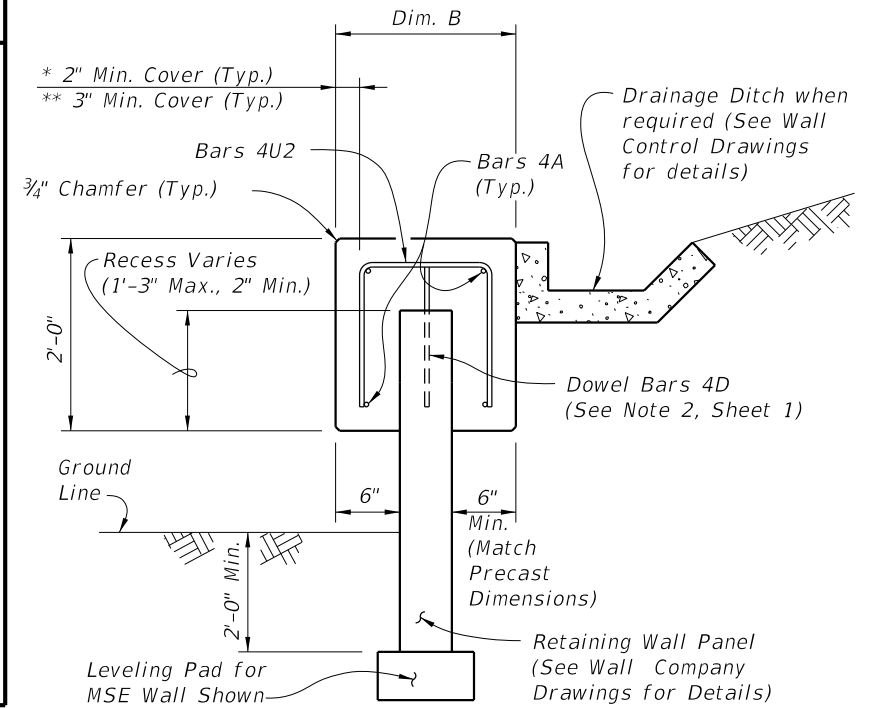
C-I-P COPING USED WITH PRECAST COPING

* 2" Min. Cover (Typ.)
** 3" Min. Cover (Typ.)

Bars 4U2
¾" Chamfer (Typ.)
Recess Varies (1'-3" Max., 2" Min.)
Bars 4A (Typ.)
Drainage Ditch when required (See Wall Control Drawings for details)
Dowel Bars 4D (See Note 2, Sheet 1)
Ground Line
Leveling Pad for MSE Wall Shown
Retaining Wall Panel (See Wall Company Drawings for Details)
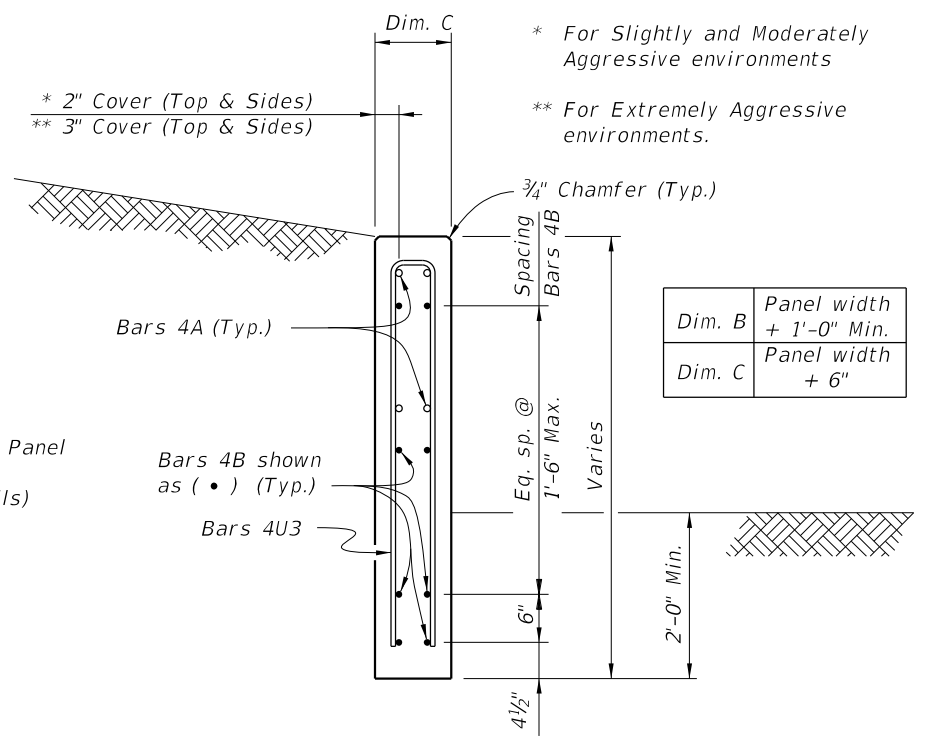
Note: When precast coping units do not fit the entire length of the retaining wall, use this similar C-I-P coping for short portions between precast coping units. This C-I-P coping may also be used for vertical copings.
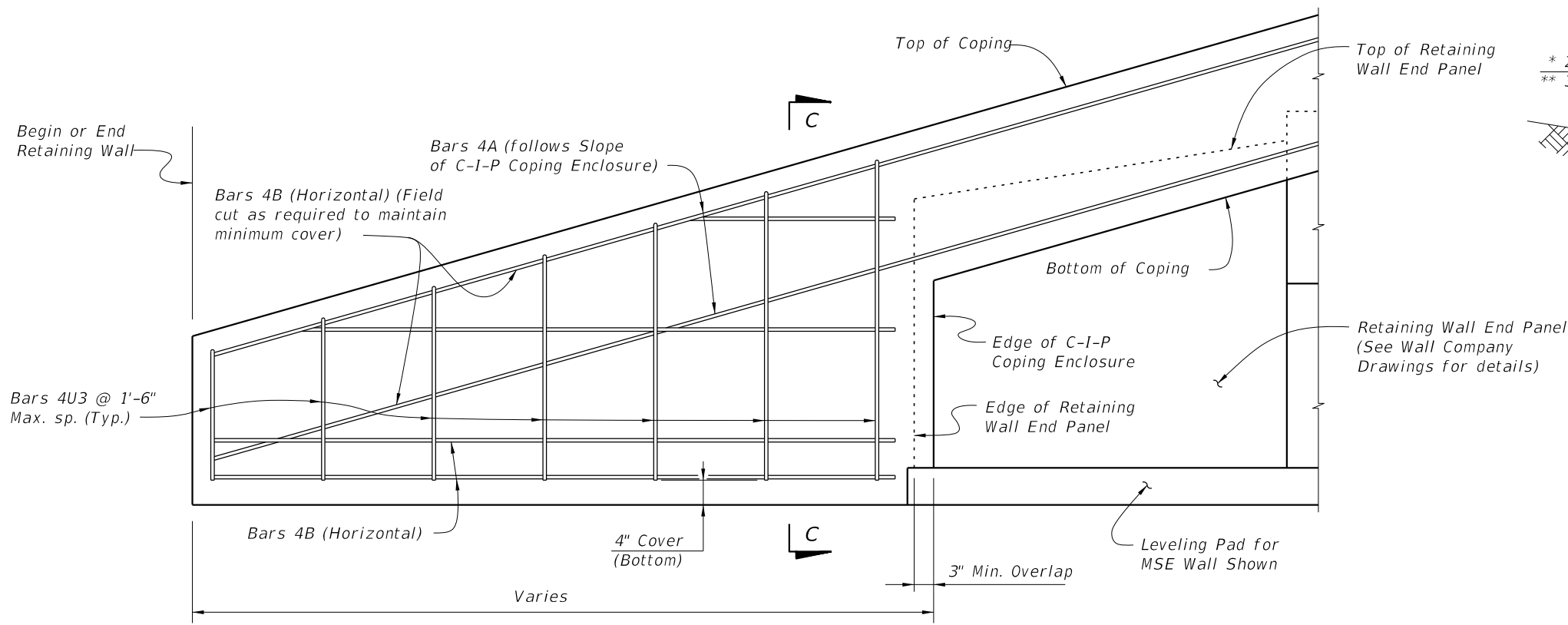
C-I-P COPING ENCLOSURE DETAIL

Begin or End Retaining Wall
Bars 4A (follows Slope of C-I-P Coping Enclosure)
Bars 4B (Horizontal) (Field cut as required to maintain minimum cover)
Bars 4U3 @ 1'-6" Max. sp. (Typ.)
Bars 4B (Horizontal)
4" Cover (Bottom)
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
Retaining Wall End Panel (See Wall Company Drawings for details)
Leveling Pad for MSE Wall Shown
3" Min. Overlap
Varies

SECTION C-C

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

* 2" Cover (Top & Sides)
** 3" Cover (Top & Sides)
¾" Chamfer (Typ.)
Bars 4B
Bars 4A (Typ.)
Bars 4B shown as (•) (Typ.)
Bars 4U3
Eq. sp. @ 1'-6" Max.
2'-0" Min.

Dim. B	Panel width + 1'-0" Min.
Dim. C	Panel width + 6"