**TYPICAL PANEL ELEVATION**

In lieu of utilizing the pick up points below, panels may be cast vertically or cast horizontally then tilted upright using tilt-tables prior to lifting from form. In this case, the vertical steel may be reduced to #4 Bars @ 1'-3" (A_s=0.15 in.²/ft.).

**REQUIRED PICK UP POINTS FOR PANELS**

(panels shall be rotated about long axis only)

**DETAIL A**

- 1/2" Chamfer (Typ.)
- 2 Eq. Sp.
- 2 Eq. Sp.

**DETAIL B**

- 1" Wide V-Groove
- E V Groove

**SECTION D-D**

- Chamfer 5"
- 1'
- 4"

**SECTION E-E**

- Texture
- Front Face

**SECTION F-F**

- Front Face
- Back Face

**NOTE:**

At the Contractor's option, smooth or deformed welded wire reinforcement may be used (equal area).

- Vertical Steel - #4 Bars @ 10" (A_s=0.24 in.²/ft.) (Typ.)
- Horizontal Steel - #4 Bars @ 8" (A_s=0.35 in.²/ft.) (Typ.)

**REVISIONS**

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**2010 Interim Design Standard**

**PRECAST SOUND BARRIERS**

- FLUSH PANEL OPTION
**NOTES:**
1. For Pile/Post Connection Options C & D, see Index No. 5205.
2. For Post & Pile Lengths, see Index No. 5206.

**SPECIAL PANELS AND POSTS**

**SPECIAL POSTS FOR 90° CORNERS FOR PILE/POST CONNECTION OPTIONS C & D**

Collars for Special Posts shall be 3'-6" @.

**WEB HOLE & SHEAR CONNECTOR SPACING DETAIL**

(Concrete not shown for clarity. For limits of concrete see Index No. 5205, Sheet No. 4 of 7.)

**PIVOTING POINT DETAILS**

NOTE: The shop drawings shall include specific pivoting point details of panel ends at locations where the deflection angle (2θ) between panels exceeds 7°.

**WEB HOLE & SHEAR CONNECTOR SPACING DETAIL**

(Concrete not shown for clarity. For limits of concrete see Index No. 5205, Sheet No. 4 of 7.)

**PIVOTING POINT DETAILS**

NOTE: The shop drawings shall include specific pivoting point details of panel ends at locations where the deflection angle (2θ) between panels exceeds 7°.
NOTES:
1. For Pile/Post Connection Options A, B, & E, see Index No. 5205.
2. Use 3'-6" CIP Collar for all 90° corner posts.
3. For Post & Pile Lengths, see Index No. 5206.
4. For Table of Reinforcing Steel, see Index No. 5206. Bars P10 not required for corner post.
5. Reduce standard panel length or adjust post spacing by 5" at each 90° Corner Post to accommodate the Special Post dimensions.
SPECIAL POSTS FOR 45° CORNERS FOR
PILE/POST CONNECTION OPTIONS A, B & E

SPECIAL POSTS FOR 45° CORNERS FOR
PILE/POST CONNECTION OPTIONS C & D

WEB HOLE AND SHEAR CONNECTOR
SPACING DETAIL
(Concrete not shown for clarity)

SPECIAL 45° CORNER POSTS

NOTES:
1. For Table of Reinforcing Steel Sizes, see Index No. 5206.
2. For Pile/Post Connection Options A through E, see Index No. 5205.
3. For Post & Pile Lengths, see Index No. 5206.
4. Shear Connectors shall be 5" long after welding.
Single layer flat surface attached to form liner for casting smooth areas of wall design. See graphic drawings. Joints between flat surface and form liner to be sealed watertight.

Second layer surface for graphic design (optional)

NOTES:
1. Broom finish shall be scored in plastic concrete on the back face of precast panels.
2. Contractor shall submit specific form liner samples for approval by the Engineer.
3. Textures and graphics shown are for demonstration purposes only. See Wall Control Drawings for project specific texture and graphic requirements.

HALF ELEVATION
(Pile/Post Connection Options A, B, C, and E Shown.)
(Front Face Panel Texture Type "H" and Front Face Post Texture Type "H" Shown.)
(Graphic Type SE-2 Shown.)

TYPICAL FORMING DETAIL
(Front Face Panel Texture Type "H" Shown.)