TYPICAL PANEL ELEVATION

* In lieu of using 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" (As=0.15 in.²/ft.).

REQUIRED PICK UP POINTS FOR PANELS
(Panels shall be rotated about long axis only)

NOTE:
At the Contractors Option, Smooth or Deformed Welded Wire Reinforcement may be used (optional).

Panel (Length L)
- 0.207 L
- 0.586 L
- 0.207 L

TEXTURE
- Non-Roadway Face
- Roadway Face
- Back Face
- Front Face

NOTE:
- Vertical Steel ~ #4 Bars @ 10" (As=0.24 in.²/ft.) (Typ.)
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Auger Cast Pile

Pilot

Shear Connectors (Typ.)

Shear Connectors (Typ.)

Holes

Holes

Steel Section

WT 15 x 117.5

5" Web

Hole (Typ.)

Shear Connectors (Typ.)

Shear Connectors (Typ.)

Shear Connectors (Typ.)

Shear Connectors (Typ.)

WT 15 x 117.5 Post Detail For Pile/Post Connection Options C & D

WT 15 x 117.5 Post Detail For Pile/Post Connection Options C & D

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WT 15 x 117.5 Post Detail For Pile/Post Connection Options C & D

NOTES:

1. For Pile/Post Connection Options C & D, see Index No. 5205.

2. For Pile & Post Lengths, see Index No. 5206.

SPECIAL PANELS AND 90° CORNER POSTS

Collars for Corner Posts shall be 3'-6" Ø

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

NOTE: The shop drawings shall include specific pivoting point details of panel ends at locations where the deflection angle (2θ) between panels exceeds 20°.
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 pile.
5. Reduce standard panel length or adjust post spacing by 3½" at each 90° Corner Post to accommodate the Special Post dimensions.
PRECAST SOUND BARRIERS

SPECIAL POSTS FOR 45° CORNERS FOR PILE/POST CONNECTION OPTIONS A, B & E

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.

PRECAST COLLAR SECTION

SECTION D-D

TYPICAL SECTION ABOVE PILE

SECTION A-A

TYPICAL SECTION ABOVE PILE

VIEW C-C (PARTIAL ELEVATION)
(Only Front Faces Shown for Clarity)

VIEW E-E (PARTIAL ELEVATION)
(Only Front Faces Shown for Clarity)

SECTION B-B

TYPICAL SECTION ABOVE PILE

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

NOTE: The W 14 x 53 Section shall extend into the Auger Cast Pile.

W 14 x 53 POST DETAIL

PRECAST SOUND BARRIERS
- FLUSH PANEL OPTION
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.

NOTES:
1. Contractor shall submit specific form liner samples for approval by the Engineer.
2. 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 LG-3 Shown.)

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

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2. Textures and graphics shown are for demonstration purposes only. See Wall Control Drawings for project specific texture and graphic requirements.