Section 6: Construction Details

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6.2 Hebel AAC Reinforced Panels – Typical Sections:

**SECTION AT EXTERIOR WALL (TYPICAL)**

Scale: 3/4"=1'-0" (U.N.O.)

Figure 6.23: Section at Exterior Wall (Typical)

NOTE: SLAB TOLERANCE MUST BE MAINTAINED AT A MAX. OF 1/4" IN 10'-0".
SECTION AT INTERIOR WALL (TYPICAL)

SCALE: 3/4"=1'-0" (U.N.O.)

Figure 6.24: Section at Interior Wall (Typical)
SECTION AT EXTERIOR WALL (REINF. LOC.)

SCALE: 3/4"=1'-0" (U.N.O.)

Figure 6.25: Section at Exterior Wall (Reinf. Loc.)

NOTE: SLAB TOLERANCE MUST BE MAINTAINED AT A MAX. OF 1/8" IN 10'-0".
SECTION AT FLR. PNL. SPAN TRANSITION (PANEL)

SCALE: 3/4"=1'-0" (U.N.O.)

Figure 6.26: Section at Flr. Pnl. Span Transition (Panel)
Figure 6.27: Section at Flr./Rf. Panels - End Brg. (Panel)
RING BEAM/JOINT DETAIL

SCALE: 3/4"=1'-0" (U.N.O.)

Figure 6.28: Ring Beam/Joint Detail
Figure 6.29: Lintel Panel Detail
CORNAR DETAIL

SCALE: 3/4"=1'-0" (U.N.O.)

Figure 6.30: Corner Detail
PLAN DETAILS - VERTICAL PANEL INTERSECTIONS

Scale: 3/4" = 1'-0" (U.N.O.)

Figure 6.31: Plan Details - Vertical Panel Intersections
ANCHORING OF VERTICAL WALL PANELS

SCALE: 3/4"=1'-0" (U.N.O.)

Figure 6.32: Anchoring of Vertical Wall Panels
VERTICAL WALL PANEL AT STEEL COLUMN

SCALE: 3/4"=1'-0" (U.N.O.)

Figure 6.33: Vertical Wall Panel at Steel Column
VERTICAL WALL PANEL AT STEEL BEAM

SCALE: 3/4"=1'-0" (U.N.O.)

Figure 6.34: Vertical Wall Panel at Steel Beam
TYPICAL REINFORCED WALL PANEL

SCALE: 3/4"=1'-0" (U.N.O.)

Figure 6.35: Typical Reinforced Wall Panel Joint
Figure 6.36: Suggested Vertical Panel Layout

**Vertical Panel Layout - (Recommended)**
- Optimal panel width at 2'-0".
- Window openings designed at 2'-0" increments.
- Door openings at 1'-0" and 2'-0" increments.
- 1'-0" and 2'-0" door jams.
- Wall systems must be designed to allow for proper load transfer at openings/panel discontinuities. Structural support framing at opening and additional support bracing should be provided as required by design.

**Vertical Panel Layout - (Not Recommended)**
- Window openings not designed at 2' increments.
- Door openings not designed at 2'-0" increments.
- Uneconomical panel widths less than 2'-0".
- Additional cost to field cut for lintel bearing.
- Door jamb too narrow for sufficient bearing.
- Wall systems must be designed to allow for proper load transfer at openings/panel discontinuities. Structural support framing at opening and additional support bracing should be provided as required by design.

**SUGGESTED VERTICAL PANEL LAYOUT**

Scale: 3/4"=1'-0" (U.N.O.)
HORIZONTAL WALL PANEL AT STEEL COLUMN

SCALE: 3/4"=1'-0" (U.N.O.)

Figure 6.37: Horizontal Wall Panel at Steel Column
HORIZONTAL WALL DETAIL

SCALE: 3/4"=1'-0" (U.N.O.)

Figure 6.38: Horizontal Wall Detail
HORIZONTAL WALL CORNER DETAIL
SCALE: 3/4"=1'-0" (U.N.O.)

Figure 6.39: Horizontal Wall Corner Detail
HORIZONTAL WALL PANEL AT C.I.P. COLUMN

SCALE: 3/4" = 1'-0" (U.N.O.)

Figure 6.40: Horizontal Wall Panel at C.I.P. Column