Section 6: Construction Details

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6.1 Hebel AAC Block Units – Typical Sections:

ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.

**EXTERIOR WALL @ SLAB ON GRADE**

1" = 1'-0"

Figure 6.1: Exterior Wall @ Slab on Grade
ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.

SECTION AT MASONRY STEM WALL

SCALE: NONE

Figure 6.2: Section at Masonry Stem Wall
ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.

SECTION AT TURNDOWN SLAB
SCALE: NONE

Figure 6.3: Section at Turndown Slab
ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.

TIE DOWN – AS REQ’D BY OTHERS

HELFIX BRICK TIES SPACED PER CODE/AT BRICK TIES

EXTERIOR WALL

MORTAR LEVELING BED

CONCRETE SLAB

0'-0" FINISH FLOOR

BRICK VENEER

STANDARD 1½"x5½" BRICK LEDGE

WEEPHOLES

FLASHING

DRILL AND EPOXY GROUT ANCHORS BY OTHERS

SECTION AT TURNDOWN SLAB W/ BRICK

SCALE: NONE

Figure 6.4: Section at Turndown Slab w/Brick

6
SECTION AT EXTERIOR WALL (REINF. LOC.)

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

Figure 6.5: Section at Exterior Wall (Reinf. Loc.)

NOTE: SLAB TOLERANCE MUST BE MAINTAINED AT A MAX. OF 3/8" IN 10'-0".
ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.

SECTION AT INTERIOR WALL FOOTING

SCALE: NONE

Figure 6.7: Section at Interior Wall Footing
ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.

SECTION AT THICKENED SLAB

SCALE: NONE

Figure 6.8: Section at Thickened Slab
Figure 6.9: Section at Flr. Pnl. Span Transition (Block)
SECT. AT FLR./RF. PANELS - END BRG. (PANEL)

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

Figure 6.10: Section at Flr./Rf. Panels - End Brg (Block)
ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.

TIE BEAM AT BEARING WALL

SCALE: NONE

Figure 6.11: Tie Beam at Bearing Wall
Figure 6.12: Tie Beam at Bearing Wall (Floor Joists)

TIE BEAM AT BEARING WALL (FLOOR JOISTS)

SCALE: NONE

Figure 6.12: Tie Beam at Bearing Wall (Floor Joists)
ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.

Figure 6.13: Ring Beam at Non-Bearing Wall
ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.

Figure 6.14: Ring Beam at Bearing Wall

RING BEAM AT BEARING WALL
SCALE: NONE

Figure 6.14: Ring Beam at Bearing Wall
ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.

CONC. RING BEAM W/ CONT. REINF. BY OTHERS

METAL FLOOR PAN W/ CONC. COVER (BY OTHERS)

ANGLE AT RING BEAM

AAC FLOOR PANEL

VARES T/FLR. PANEL

AAC WALL BLOCK

RING BEAM W/ METAL FLOOR CONNECTION

SCALE: NONE

Figure 6.15: Ring Beam w/Metal Floor Connection
ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.

SEE PLAN DWGS

MINIMUM 3" Ø GROUT CELL, DRILLED OR NOTCHED FOR REINFORCEMENT

VERTICAL REINFORCEMENT (PER ENGINEERING CALCULATION)

NOTE: SET GROUT CELL OFF CORRIDOR / CHASE DEMISING WALLS TO CLEAR LINTELS / CHASE FRAMES.

FIGURE 6.16: TYPICAL CORNER/ INTERSECTION DETAIL

1" = 1'-0"

Figure 6.16: Typical Corner/Intersection Detail
ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.

INTERSECTION OF AAC PANELS / BLOCKS

1" = 1'-0"

Figure 6.17: Intersection of AAC Panels/Blocks
ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.
ALL COMPONENTS EXCEPT HEBEL AAC ARE SUPPLIED AND SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE.

INTERIOR LOAD BEARING WALL @ BOND BEAM

1" = 1'-0"

Figure 6.19: Interior Load Bearing Wall @ Bond Beam
Figure 6.20: Wood Nailer @ Finished Opening

WOOD NAILER @ FINISHED OPENING

NOT TO SCALE

Figure 6.20: Wood Nailer @ Finished Opening
Figure 6.21: Load Bearing Wall @ Hebel Lintel
HEBEL AAC BLOCK @ GABLE END

Figure 6.22: Hebel AAC Block @ Gable End