8" x 8" x 16" Exterior Wall Footing – Concrete Stem

Note: Diagrams are not to scale

Footings: All bearing footings shall bear 18" (min) below top of undisturbed soil or top of engineer-certified compacted soil.
8" x 8" x 16" Exterior Wall Footing – CMU Stem

Note: Diagrams are not to scale

Footings: All bearing footings shall bear 18" (min) below top of undisturbed soil or top of engineer-certified compacted soil.
**8" x 8" x 16" Depressed Stem & Opening**

Note: Diagrams are not to scale

**BEND VERTICALS TO ALLOW 32" INTO SLAB**
**VERTICAL REBAR PLACEMENT:**
**SEE DETAILS 13 & 14**

**TOOLED EDGE**

**EXTERIOR SLAB**
**SEE FOUNDATION PLAN**

**STANDARD CMU OR CONCRETE STEM WALL**

**MORTAR BED**

**FOOTINGS:** ALL BEARING FOOTINGS SHALL BEAR 18" (MIN) BELOW TOP OF UNDISTURBED SOIL OR TOP OF ENGINEER-CERTIFIED COMPACTED SOIL
**8" x 8" x 16" Typical Lintel (S) & ‘W’ Beam (when used)**

Note: Diagrams are not to scale

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**Typical Lintel (S)**

- If 2" #5 horizontal are required use CMU bond beam block.
- Linetl top reinf. see schedule.
- Mortar.
- Exterior.
- Door jamb wall beyond.
- Window unit caulk.
- Jamb rebar see DTL. II.

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**‘W’ Beam (when used)**

- #5 vertical rebar @ 24" O.C. (center on beam flange & match CMU cells).
- ‘W’ beam - see lintel schedule.
- Plate-weld to ‘W’ beam - see lintel schedule.
- Opening jamb beyond.
- Exterior.
8" x 8" x 16" Bond Beam – with Roof Truss & Eave

Note: Diagrams are not to scale

**BOUNDARY NAILING PER STRUCTURAL PLANS**

**TRUSS**

**2x SOLID BLOCKING MIN. 10D TOENAIL @ 4" O.C. OR SIMPSON A35 @ 48" O.C. TO WALL TOP PLATE**

**ANCHOR BOLT SEE DETAIL (1)**

**OMNI SURFACE BOND OR STUCCO TO 6" ABOVE BLOCK AND FEATHERED INTO WESTERN ONE KOTE AT PARAPET**

**MORTAR**

**TRUSS CLIP BOTH SIDES EACH TRUSS**

**#5 VERTICALS TO MATCH REBAR FROM STEM WALL**

**IF 2 #5 HORIZONTALS ARE REQUIRED USE CMU BOND BEAM BLOCK**

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Interior

Exterior
8" x 8" x 16" Bond Beam – with Roof Truss Parapet

Note: Diagrams are not to scale

2 x 6 CONT. DBL. TOP PLATE
2 x 6 INTEGRAL TRUSS PARAPET
MIN. 3/8" OSB OR EQUAL SHEAR PANEL
BORDER NAILING TO BLOCKING, PLATES, AND TRUSS PER STRUCTURAL PLANS

15" BUILDING PAPER OR
2 PLY GRADE D PAPER
OVER SHEATHING
STUCCO WIRE OVER PAPER
FIBERGLASS REINFORCED
WESTERN ONE KOTE
OR EQUAL OVER WIRE
AT SHEATHING

LAP WIRE OVER PAPER
AS SHOWN

OMNI SURFACE BOND
OR STUCCO TO 6"
ABOVE BLOCK AND
FEATHERED INTO WESTERN
ONE KOTE AT PARAPET

NOTE:
FLUSH SHEATHING FACE WITH BLOCK FACE AT
JUNCTION FOR PROPER STUCCO FINISH
8" x 8" x 16" Beam or Truss @ CMU

Note: Diagrams are not to scale

- Maintain min. 1/2" clearance between wood and masonry where applicable.
- Fire cut beam when masonry is continued above.
- Use corner block (see Fig. A)
- Two (2) courses under beam seat - grout cells full.

8" x 8" x 16" "OMNI" CMU BLOCK SYSTEM

- Continue with OMNI block standard CMU, or framing if required.
- 1/2" solid pack grout.
- Mortar.
- 5 vertical centered on beam seat in full grouted cell. See structural plan for required number of adjacent grouted cells.

Use "end" block fully grouted 2 cells.

View X-X

Exterior

Interior
8" x 8" x 16" Wall to Roof / Anchor Plate

Note: Diagrams are not to scale

ANCHOR BOLT, SEE NOTE BELOW

ANCHOR BOLT, SEE NOTE BELOW

2 x 8 TOP PLATE

1 - #5 CONT. IN 8" BOND BEAM

OPTIONAL DUROWIRE IN PLACE OF REBAR PER ENGINEERING

BOND BEAM

VERTICAL CELL GROUT FULL HGT

MORTAR

*5 VERTICALS TO MATCH DOWELS IN FOOTING

ANCHOR BOLTS: 
1/2" dia W/ MIN. 7" EMBED, 2x6x5/16 FLAT WASHER, 4 NUT, #4 48" O.C. & MAX. 12" FROM END
8" x 8" x 16" Bond Beam – Mid Wall (optional)

Note: Diagrams are not to scale

- **INTERIOR**
  - MIN. 4Ø BAR DIAMETERS ABOVE TOP OF BOND BEAM
  - MAX. 48" FROM TOP OF STEM OR TOP OF PREVIOUS BOND BEAM

- **EXTERIOR**
  - #5 VERTICAL REBAR @ 48" O.C. OR PER ENGINEERING
  - 1 - #5 CONT. REBAR MIN 4Ø BAR DIAMETERS OVERLAP AT ALL SPLICES
  - OPTIONAL DUROWIRE (LADDER ROD) IN PLACE OF REBAR EVERY OTHER COURSE OR PER ENGINEERING
  - FULL GROUT VERTICAL CELL @ 48" O.C. OR PER ENGINEERING
8" x 8" x 16" Load Bearing Ledger With Truss Top Chord Support

Note: Diagrams are not to scale

5 VERTICAL REBAR
SEE DETAILS 13 & 14

BOUNDARY NAIL
SHEATHING W/ 9D @ 6" O.C.

2X BLOCKING ATTACHED
TO TRUSS W/ SIMPSON A35

SIMPSON PA148 @ 48" O.C.
OR FATM75 @ 72" O.C.

TRUSS CLIP ON BOTH
SIDES OF EACH TRUSS

FLOOR OR ROOF TRUSS
SEE STRUCTURAL PLANS

MIN. 3X LEDGER
SEE STRUCTURAL PLANS

NOTE: LEDGER MAY BE USED ON ONE
OR BOTH SIDES OF BOND BEAM

MIN. 4 BOLT DIA.

ALLOWABLE ANCHOR
BOLT LOCATION

MIN. 15 BOLT DIA.

ANCHOR BOLT SPECIFICATION
DIAMETER = ___________
LENGTH = ___________
SPACING = ___________

INVESTOR NEWSLETTER ISSUE N°3 FALL 2007
8" x 8" x 16" Load Bearing Ledger With Joist Hanger

A Tradition of Innovation

**INTERIOR**

* 5 VERTICAL REBAR
  See Details 13 & 14

**BOUNDARY NAIL**
SHEATHING W/ 8D @ 6" O.C.

**SIMPSON PA118 @ 48" O.C.**
OR PATM25 @ 12" O.C.

**TOP FLANGE HANGER**

**SOLID JOIST OR TRUSS**
SEE STRUCTURAL PLANS

**MIN. 3X LEDGER**
See Structural Plans

**NOTE:** Ledge may be used on one or both sides of bond beam.

**MIN. 4 BOLT DIA.**

**ALLOWABLE ANCHOR BOLT LOCATION**

**MIN. 15 BOLT DIA.**

**ANCHOR BOLT SPECIFICATION**

DIAMETER = ____________
LENGTH = ____________
SPACING = ____________

**EXTERIOR**

CONTINUE WITH OMNI BLOCK OR

STANDARD CMU OR FRAMING

IF PARAPET

**ANCHOR BOLTS @ MAX.**

12" AND MIN. 6" FROM LEDGER ENDS AND SPLICES

2 - #5 CONT. REBAR IN 8" BOND BEAM
8" x 8" x 16" Window / Door Lintel Detail

Note: Diagrams are not to scale

- Width of solid grout: 6" or 8" per schedule
- Jamb reinforcing per schedule
- lintel top reinforcing: see schedule
- Jamb reinforcing per schedule
- 16" min (typ)
- Foam insert
- Alternate Omni corner block and 8"x8"x8" at jamb

6" min bearing

Omni Stretcher Inverted

Steel lintel: see schedule
8" x 8" x 16" Window / Door Sill and Lintel For Exposed CMU

Note: Diagrams are not to scale
8" x 8" x 16" Vertical Rebar Placement – Standard Wall

Note: Diagrams are not to scale

CENTERED IN CELL → INTERIOR

MAX. VERTICAL REBAR SPACING

VERTICAL REBAR MAY BE PLACED IN ANY CELL AS ILLUSTRATED ABOVE
8" x 8" x 16" Rebar Placement At Window & Door Opening

Note: Diagrams are not to scale
8" x 8" x 16" Block Detail

Note: Diagrams are not to scale
8" x 8" x 16" Control Joint

Note: Diagrams are not to scale
8" x 8" x 16" Angle Plate Ledger With Steel Beam

Note: Diagrams are not to scale

- 5 VERTICAL REBAR
- SEE DETAILS 13 @ 1/4
- EXISTING BUILDING
- 3/16" BENT STEEL PLATE OR ANGLE
- 1 1/2" CLR

(2) 3/4" ASTM A325C
BOLTS @ 9" O.C. ON BEAM GAUGE
LONG SLOTTED HOLE

(2) 5 IN 8" DEEP CONTINUOUS STANDARD CMU BOND BEAM

1/4" STEEL EMBED PLATE WITH (2) 1/2"
@ ANCHORS @ 6" O.C.
LOCATE PLATES @ 4'-0" O.C. MAXIMUM

1/4" STEEL PLATE OR ANGLE CONTINUOUS
(2) 3/4" ANCHOR BOLTS @ 9" O.C.
ON 3" LONG VERTICALLY SLOTTED HOLES

OMNI BLOCK WALL