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

Note: Diagrams are not to scale

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

Note: Diagrams are not to scale

**INTERIOR**

- MIN. 40 BAR DIA. ABOVE TOP OF STEM
  - 5 1/2"

**EXTERIOR**

- 5 VERTICAL REBAR
  - SEE DETAILS 13 & 14

**MORTAR**

- 4" CONC. SLAB ON 4" A.B.C.

**FIN FLOOR**

- UNDISTURBED OR ENG. SOIL

**STANDARD CMU STEM WALL**

- BLOCKFLASH® OPTIONAL

**FINISH GRADE**

- "5 VERTICAL REBAR @ 48" O.C.
  - ALTERNATE DIRECTION OF LEGS

**FOOTINGS**: ALL BEARING FOOTINGS SHALL BEAR @ 8" (MIN) BELOW TOP OF UNDISTURBED SOIL OR TOP OF ENGINEER-CERTIFIED COMPACTED SOIL.
12" x 8" x 16" Depressed Stem & Opening

Note: Diagrams are not to scale

4" Conc. Slab on 4" A.B.C.

Bend Verticals to allow 30" into slab. Vertical rebar placement: see details 13 & 14

4" Conc. Slab on 4" A.B.C.

Exterior slab see foundation plan

Tool edge

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
12" x 8" x 16" Typical Lintel (S) & ‘W’ Beam (when used)

Note: Diagrams are not to scale

Typical Lintel (S)

‘W’ Beam (when used)
12" x 8" x 16" Bond Beam – with Roof Truss & Eave

Note: Diagrams are not to scale

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

TRUSS

ANCHOR BOLT
SEE DETAIL (7)

TRUSS CLIP BOTH SIDES EACH TRUSS

#5 CONT. REBAR

#5 VERTICALS TO MATCH REBAR FROM STEM WALL

MORTAR

BOUNDARY NAILING
PER STRUCTURAL PLANS

INTERIOR

EXTERIOR
12" x 8" x 16" Bond Beam – with Roof Truss Parapet

Note: Diagrams are not to scale

2 x BLOCKING BETWEEN TRUSSES

BORDER NAILING PER STRUCTURAL PLANS

16d @ 4" O.C. BLOCK TO BLOCK

TRUSS CLIP BOTH SIDES EACH TRUSS

ANCHOR BOLT SEE DETAIL (T)

MORTAR

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

#5 CONT. REBAR

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
12" 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.

### Diagram Details

- Use corner block (see Fig. A)
- Two (2) courses under beam seat - grout cells full.
- Beam or girder truss: see structural plans.
- Beam seat: see structural plans.
- 1/2" solid pack grout.
- Mortar.
- 5"x48" CTR'd on BM seat.
- 1-1/4" end block fully grouted 2 cells.
- 5 vertical centered on beam seat in full grouted cell. See structural plan for required number of adjacent grouted cells.

**View X-X**
**12" 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 Dualwire 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. 1" Embed, 2x6x5/16 Flat Washer, 4 Nut © 48" O.C. 4 Max. 12" From End
12" x 8" x 16" Bond Beam – Mid Wall (optional)

Note: Diagrams are not to scale

- MIN. 40 BAR DIA. ABOVE TOP OF BOND BEAM
- MAX. 48" FROM TOP OF STEM OR TOP OF BOND BEAM
- 1 - #5 CONT. REBAR IN 8" BOND BEAM
- OPTIONAL DUROPIPE IN PLACE OF REBAR PER ENGINEERING
- FULL GROUT VERTICAL CELL
- #5 VERTICAL REBAR SEE DETAILS 13 & 14

INTERIOR

EXTERIOR

5 1/2"
12" 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/ 8d @ 6" O.C.
- 2x blocking attached to trusses w/ Simpson A35
- Simpson Fast 48" O.C. or FaTm25 @ 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. 1.5 bolt dia.

Anchor bolt specification
- Diameter = ______________
- Length = ______________
- Spacing = ______________
12" x 8" x 16" Load Bearing Ledger With Joist Hanger

Note: Diagrams are not to scale

*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

5 1/2"

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 = 

STANDARD 12x8x16 BOND BEAM BLOCK MAY BE USED

ANCHOR BOLTS @ MAX.
12" AND MIN. 6" FROM
LEDGER ENDS AND SPLICES

2 - 5 CONT. REBAR
IN 8' BOND BEAM

CONTINUE WITH OMNI BLOCK OR
IF PARAPET

WESTBROOK CONCRETE BLOCK CO., INC.
439 SPENCER PLAINS ROAD WESTBROOK, CT 06498
T. 860.399.6201
INFO@WESTBROOKBLOCK.COM
12" x 8" x 16" Window / Door Lintel Detail

Note: Diagrams are not to scale
12" x 8" x 16" Window / Door Sill and Lintel For Exposed CMU

Note: Diagrams are not to scale

- Jamb Reinforcing
- Field Cut for Rebar
- lintel Top Reinforcing
- See Schedule
- 16" min (typ)
- Foam Insert
- Alternate Omni Jamb Block with 12 x 8 x 8 CMU
- Solid Bottom Bond Beam Block (Masonry lintel)
- 12 x 8 x 8 cmu
- Vertical Cells Grouted Solid
- Solid Bottom Bond Beam Block, Inverted
- Optional Sill Block Above
- Interior
**12" x 8" x 16" Rebar Placement – Standard Wall**

*Note: Diagrams are not to scale*

![Diagram showing 12" x 8" x 16" rebar placement in a standard wall.]

**CENTERED IN CELL**

**INTERIOR**

**ALTERNATE VERTICAL REBAR IN INTERIOR AND EXTERIOR CELL**

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

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

Note: Diagrams are not to scale

STRETCHER

JAMB BLOCK
12" x 8" x 16" Bond Beam with Inline Pier / Columns

Note: Diagrams are not to scale
12" x 8" x 16" 12" Control Joint

Note: Diagrams are not to scale

RAKE MORTAR JOINT AND INSTALL SEALANT

3/8" TYP.

REBAR QUANTITY AND SIZING PER ENGINEERING

OMNI STRETCHER BLOCK

OMNI JAMB BLOCK

4" MAX. VERTICAL SPACING

4"

MAXIMUM VERTICAL SPACING PER ENGINEERING

ALL UNGROUTED CELLS FILLED WITH INSULATION INSERTS

INVESTOR NEWSLETTER ISSUE N°3 FALL  2007