Rebar Placement – General Notes

Note: Diagrams are not to scale

BLACK REBAR DENOTES FULL CELL (0.00460417 CUBIC YARD)
WHITE REBAR DENOTES INTERIOR STRETCHER CELL (0.0027328 CUBIC YARD)

FULL CELL REBAR IS PLACED 4” IN FROM THE EXTERIOR EDGES
SAME AS STANDARD CMU

STRETCHER CELL REBAR IS 2 1/2” IN FROM THE INTERIOR EDGES OR 5 1/2”
FROM THE EXTERIOR EDGES

TYPICAL VERTICAL REBAR PLACEMENT PER ENGINEERING IS ONE #5 @ 48” O.C.
AND ADJACENT TO EVERY WINDOW AND DOOR OPENING
Rebar Placement – Overview

Note: Diagrams are not to scale

ALL REBAR TYPICALLY #5

BLACK FULL CELL REBAR

WHITE STRETCHER CELL REBAR

SHOP DRAWING OVERVIEW

SUBSEQUENT ENLARGED DETAIL SECTION

COMPLETE BUILDING CAN BE SEEN ON SD9
Section Detail

Note: Diagrams are not to scale

Best design practices call for all dimensions to be evenly divisible by 8” (block module).

Rebar 40 bar diameters from finished floor height.

First dimension layer: Rebar placement
Second dimension layer: Jamb-to-jamb

4’ dimension is where a 4040 window will be located with a 4’0” sill height and an 8’0” crossover.

3’4” door opening.
Section Detail – First Course

Note: Diagrams are not to scale

**ALL NON-REBAR CELLS FILLED WITH OMNI BLOCK INSULATION INSERTS (NOT SHOWN)**

**SHOP DRAWING**

**SECTION DETAIL – FIRST COURSE**

**BEST DESIGN PRACTICES CALL FOR ALL DIMENSIONS TO BE EVENLY DIVISIBLE BY 8" (BLOCK MODULE)**

**RED DENOTES RIGHT CORNER/JAMB**

**BLUE DENOTES LEFT CORNER/JAMB**

**3’4” DOOR OPENING**

**4’ DIMENSION IS WHERE A 4040 WINDOW WILL BE LOCATED WITH A 4’0” SILL HEIGHT AND AN 8’0” CROSSOVER**

**FIRST DIMENSION LAYER: REBAR PLACEMENT**

**SECOND DIMENSION LAYER: JAMB-TO-JAMB**

**ALL NON-REBAR CELLS FILLED WITH OMNI BLOCK INSULATION INSERTS (NOT SHOWN)**
Section Detail – Second Course

Note: Diagrams are not to scale

ALL NON-REBAR CELLS FILLED WITH OMNI BLOCK INSULATION INSERTS (NOT SHOWN)

4' DIMENSION IS WHERE A 4040 WINDOW WILL BE LOCATED WITH A 4'0" SILL HEIGHT AND AN 8'0" CROSSOVER

ALTERNATE LEFT AND RIGHT CORNER/JAMB BLOCK TO BUILD WINDOW COLUMNS

FIRST DIMENSION LAYER: REBAR PLACEMENT
SECOND DIMENSION LAYER: JAMB-TO-JAMB

SHOP DRAWING
SECTION DETAIL - SECOND COURSE

BEST DESIGN PRACTICES CALL FOR ALL DIMENSIONS TO BE EVENLY DIVISIBLE BY 8" (BLOCK MODULE)

IN LIEU OF MID-WALL BOND BEAMS LADDER ROD IS PLACED IN MORTAR BED EVERY OTHER COURSE PER ENGINEERING (NOT SHOWN)

3'4" DOOR OPENING

ALTERNATE APPROPRIATE CORNER/JAMB BLOCK WITH STANDARD 8X8X8 BLOCK TO BUILD DOOR JAMBS

ALTERNATE LEFT AND RIGHT CORNER/JAMB BLOCK TO BUILD WINDOW COLUMNS

Best design practices call for all dimensions to be evenly divisible by 8” (block module). In lieu of mid-wall bond beams, a ladder rod is placed in the mortar bed every other course per engineering (not shown).
Section Detail – 4 FT Lift

Note: Diagrams are not to scale

- Shop drawing
- Section detail - 4 ft lift
- Dimensions: jamb-to-jamb
- Rebar lap 40 bar diameters
- 3’4” door opening

4’ dimension is where a 4’0” window will be located with a 4’0” sill height and an 8’0” crossover

Dimensions: JAMB-TO-JAMB
Section Detail – 8 FT Lift

Note: Diagrams are not to scale

SHOP DRAWING
SECTION DETAIL – 8 FT LIFT

REBAR LAP 40 BAR DIAMETERS

4040 WINDOW OPENING

3’4” DOOR OPENING

DIMENSIONS: JAMB-TO-JAMB
Section Detail – 1-FT Top Out

Note: Diagrams are not to scale.

- 4040 Window Opening

- Block above door opening cut to a height of 6" to allow for door frame

- 3080 Door (3’4” x 8’2” opening)

- Dimensions: Jamb-to-Jamb

Use Omni Block if one #5 top-of-wall is required or Standard bond beam CMU if two #5 are required.
Complete Building

Note: Diagrams are not to scale

COMPLETE BUILDING
FROM SD2 DRAWING

SHOP DRAWING
COMPLETE BUILDING

CLOSE-ENDED BLOCK
BOTH ENDS REQUIRE
STANDARD 8X8X16 CMU