TYPICAL REBAR PLACEMENT

TYPICAL VERTICAL REBAR PLACEMENT PER ENGINEERING IS ONE #5 @ 48" O.C. AND ADJACENT TO EVERY WINDOW AND DOOR OPENING

BLACK REBAR GROUT AREA 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

* SEE SPLIT FACE DETAIL - BLOCK REVERSED
SPLIT FACE REBAR PLACEMENT

Typical vertical rebar placement per engineering is one #5 @ 48" O.C. and adjacent to every window and door opening.

Black rebar grout area 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.

The block is reversed (interior to the exterior) on all split face projects for block structural reasons.
ALL REBAR TYPICALLY #5

SHOP DRAWING
OVERVIEW

BLACK FULL CELL REBAR

WHITE STRETCHER CELL REBAR

SUBSEQUENT ENLARGED DETAIL SECTION

COMPLETE BUILDING CAN BE SEEN ON SD9
Best design practices call for all dimensions to be evenly divisible by 8” (block module). 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.

Shop drawing section detail.
ALL NON-REBAR CELLS FILLED WITH OMNI BLOCK INSULATION INSERTS (NOT SHOWN)

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

BEST DESIGN PRACTICES CALL FOR ALL DIMENSIONS TO BE EVENLY DIVISIBLE BY 8” (BLOCK MODULE)
ALL NON-REBAR CELLS FILLED WITH OMNI BLOCK INSULATION INSERTS (NOT SHOWN)

APPLICATIONS

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

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)

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

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

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

4040 WINDOW
4'0" SILL HEIGHT
8'0" CROSSOVER

3'4" DOOR OPENING

DATE: 08-16-18  PAGE: SD6  SHOP DRAWING
SECTION DETAIL - SECOND COURSE
4' DIMENSION IS WHERE A 4040 WINDOW WILL BE LOCATED WITH A 4'O" SILL HEIGHT AND AN 8'0" CROSSOVER

DIMENSIONS: JAMB-TO-JAMB

SHOP DRAWING
SECTION DETAIL - 4 FT LIFT

REBAR LAP 40 BAR DIAMETERS

3'4" DOOR OPENING
SHOP DRAWING
SECTION DETAIL - 8 FT LIFT

4040 WINDOW OPENING

3'4" DOOR OPENING

DIMENSIONS: JAMB-TO-JAMB

REBAR LAP 40 BAR DIAMETERS
Use Omni Block if one #5 top-of-wall is required or Standard bond beam CMU if two #5 are required.

3080 door (3'4" x 8'2" opening)

Dimensions: jamb-to-jamb

4040 window opening

Block above door opening cut to a height of 6" to allow for door frame.
Complete building from SD2 drawing.

Close-ended block both ends require standard 8x8x16 CMU.