8 BACK TO BACK CBU CANOPY

Mitchell METALS

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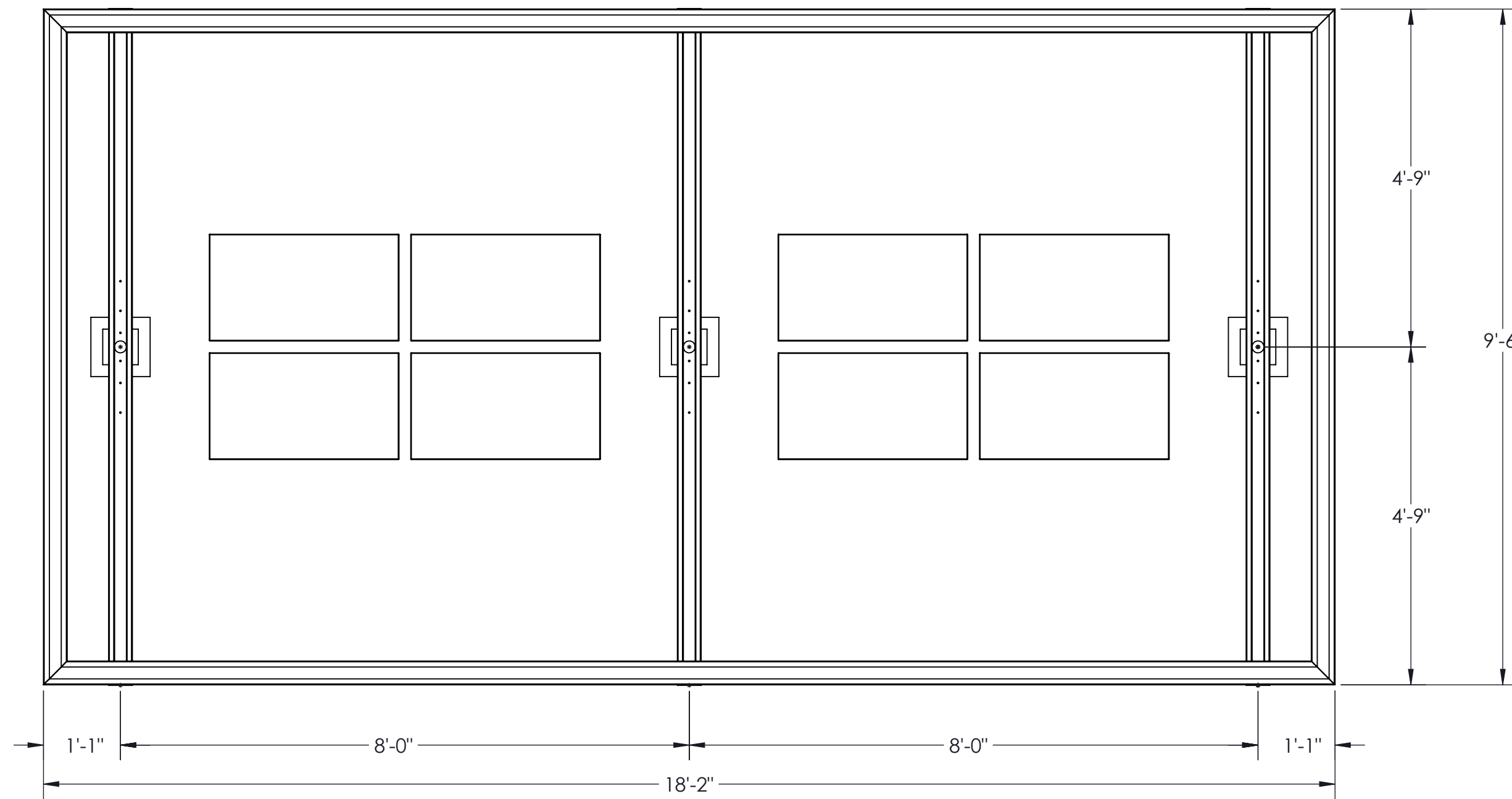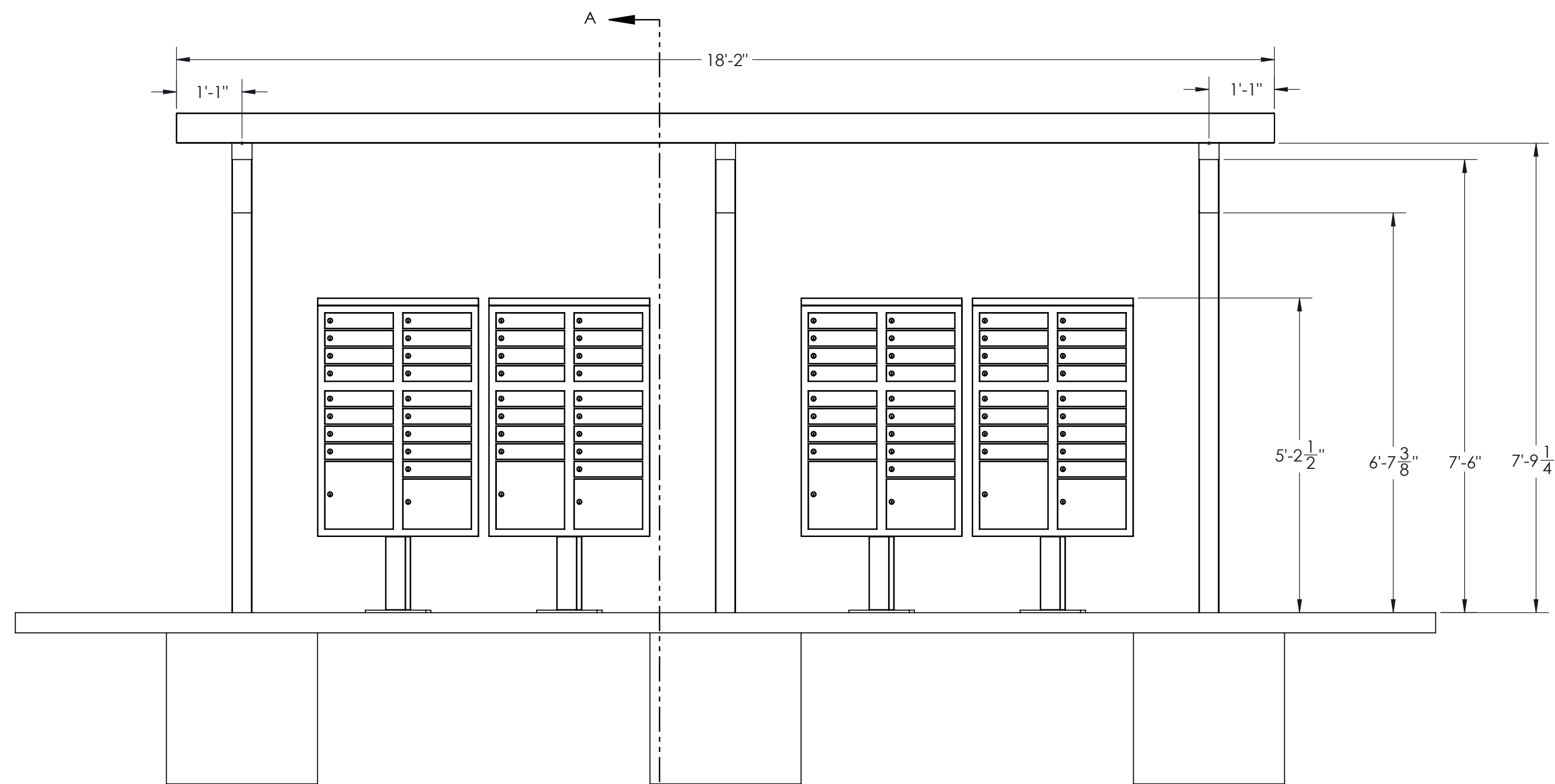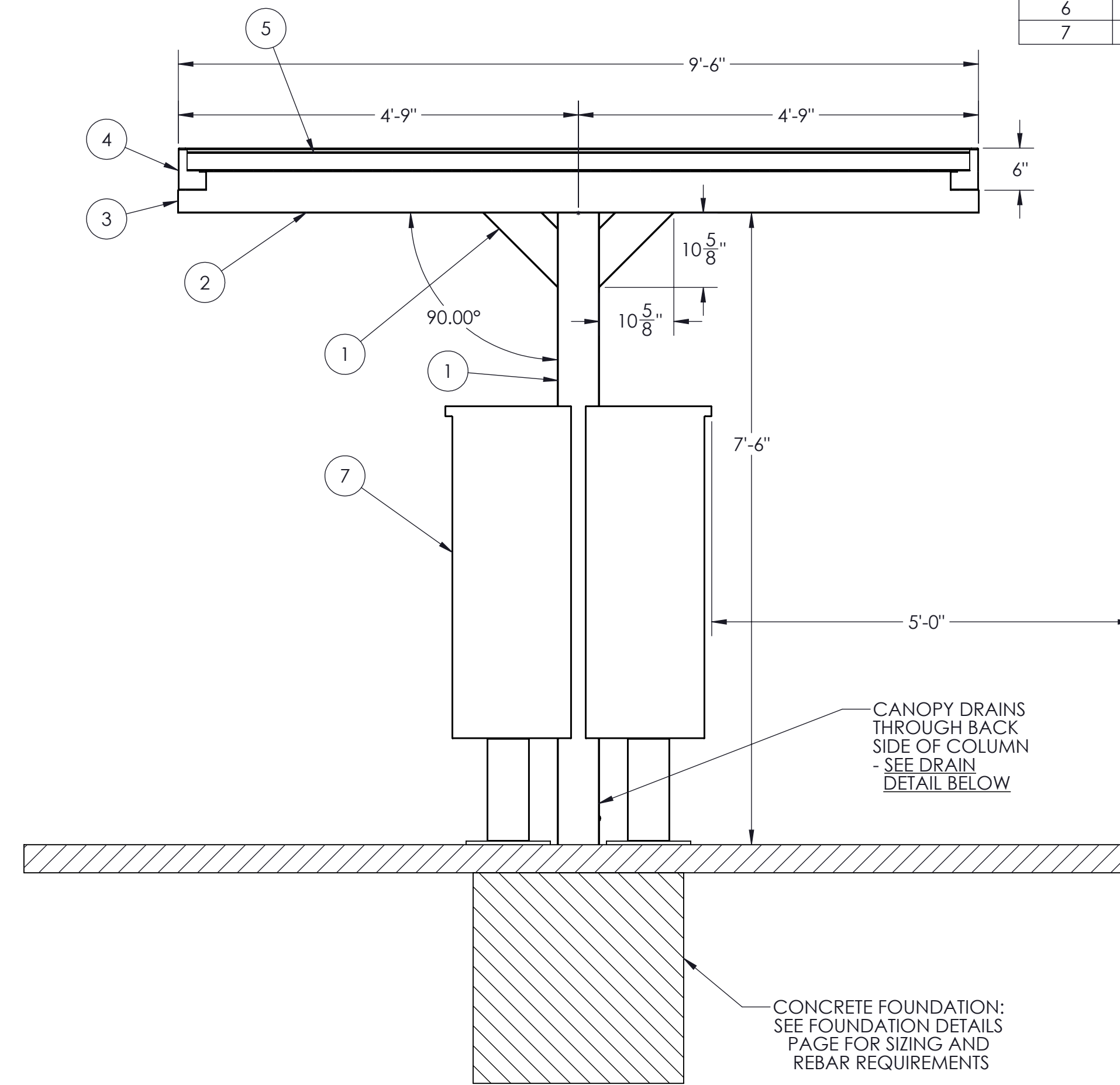
ITEM NO.	PART NUMBER	DESCRIPTION
1	6063-T6 Aluminum	Column (see page 3 for size)
2	6063-T6 Aluminum	Beam (see page 3 for size)
3	0.080" Aluminum	Welded End Cap
4	6063-T6 Aluminum	4X6 GUTTER
5	Aluminum	3 x 12 x 0.032 Roll Formed Flat Pan
6	Deflector Plate	Deflector Plate
7	CBU Mailbox	

TOP VIEW - NO DECKING FRAMING AND GUTTER LAYOUT

ELEVATION VIEW

SECTION VIEW

SECTION A-A
SCALE 1 : 16

CANOPY DRAINS THROUGH BACK SIDE OF COLUMN - SEE DRAIN DETAIL BELOW

CONCRETE FOUNDATION: SEE FOUNDATION DETAILS PAGE FOR SIZING AND REBAR REQUIREMENTS
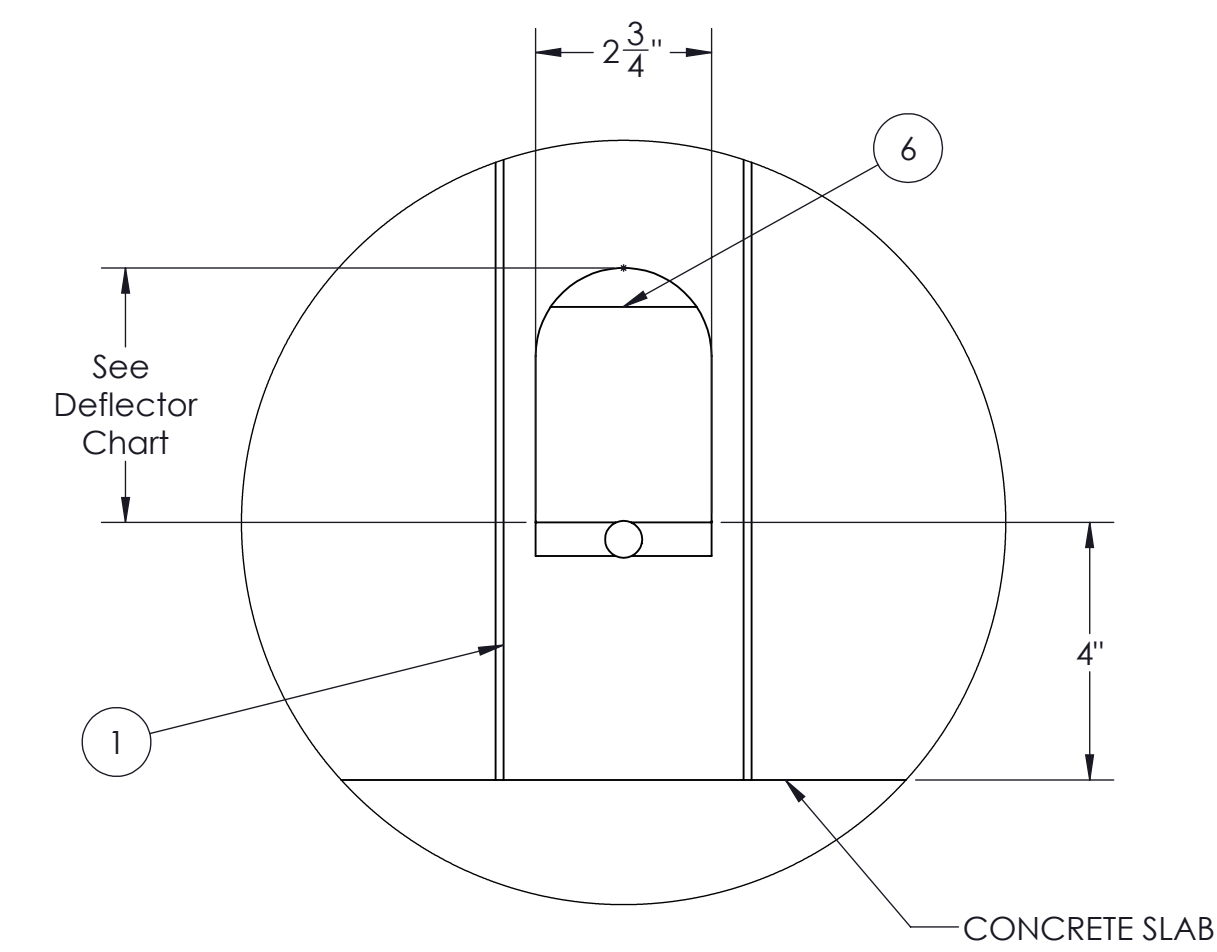
COLUMN DRAIN HOLE DETAIL
SCALE 1 : 3

See Deflector Chart

CONCRETE SLAB

Deflector Plate Cutout Height	Column Size
4"	4"x6"
6"	6"x6"
6"	6"x8"

STYLE:

BACK TO BACK 8 CBU CANOPY

Mitchell METALS

1761 McCoba Drive, Suite A, Smyrna, GA 30080
Phone: (770) 431-7300 Fax: (770) 431-7305

GENERAL NOTES:
- Max column height to be 9'-0". Canopy designed at 7'-6" to bottom of beam above finished concrete slab.
- See Foundation Details Page for concrete foundation design based on project location design criteria.
- Minimum footing size is based on 1500 PSF soil condtion.
- Adhere to all local building codes, including layout, foundation design and depth (i.e. frost line depth)
- Canopy designs comply with USPS Developers and Builders Guide.
- Any canopy lighting required is provided by others and may require additional canopy framing to support.
- Reference 2010 ADA Standards for Accessible Design for concrete pad design.
- Reference Mitchell Metals CBU Canopy Cover Specifications - Section 105500 - Postal Specialties
- DESIGN CRITERIA: IBC 2018, ASCE 7-16, ADM 2015, Exposure Category = B, Risk Category = II, Live Load = 20 psf
  - **Wind = 115mph (max), Ground Snow Load = 30psf (max) - 4"x6"x0.150" Columns, 4"x6"x0.125" Beams**
  - **Wind = 140mph (max), Ground Snow Load = 5psf (max) - 6"x6"x0.150" Columns, 6"x6"x0.130" Beams**
  - **Wind = 170mph (max), Ground Snow Load = 5psf (max) - 6"x8"x0.188" Columns, 6"x6"x0.130" Beams.**
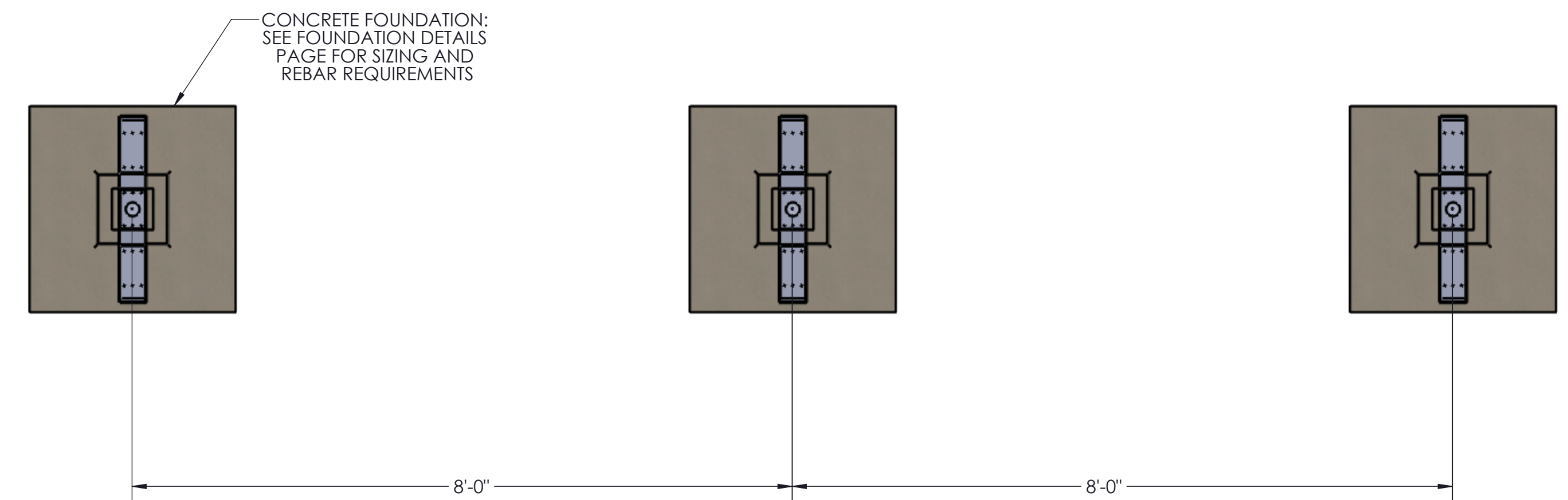
CONCRETE SLAB

23'-6"

6'-7"

6'-4"

2'-7"   2'-10"
(Per USPS)
2'-7"   2'-7"   2'-10"   2'-7"

6'-4"

5'-9"

5'-0" DIAMETER
WHEELCHAIR
TURNAROUND
ACCESS

CBU MAILBOXES

1'-8"   13'-2"

3'-9"   8'-0"   8'-0"   3'-9"

5'-9"

5'-0" DIAMETER
WHEELCHAIR
TURNAROUND
ACCESS
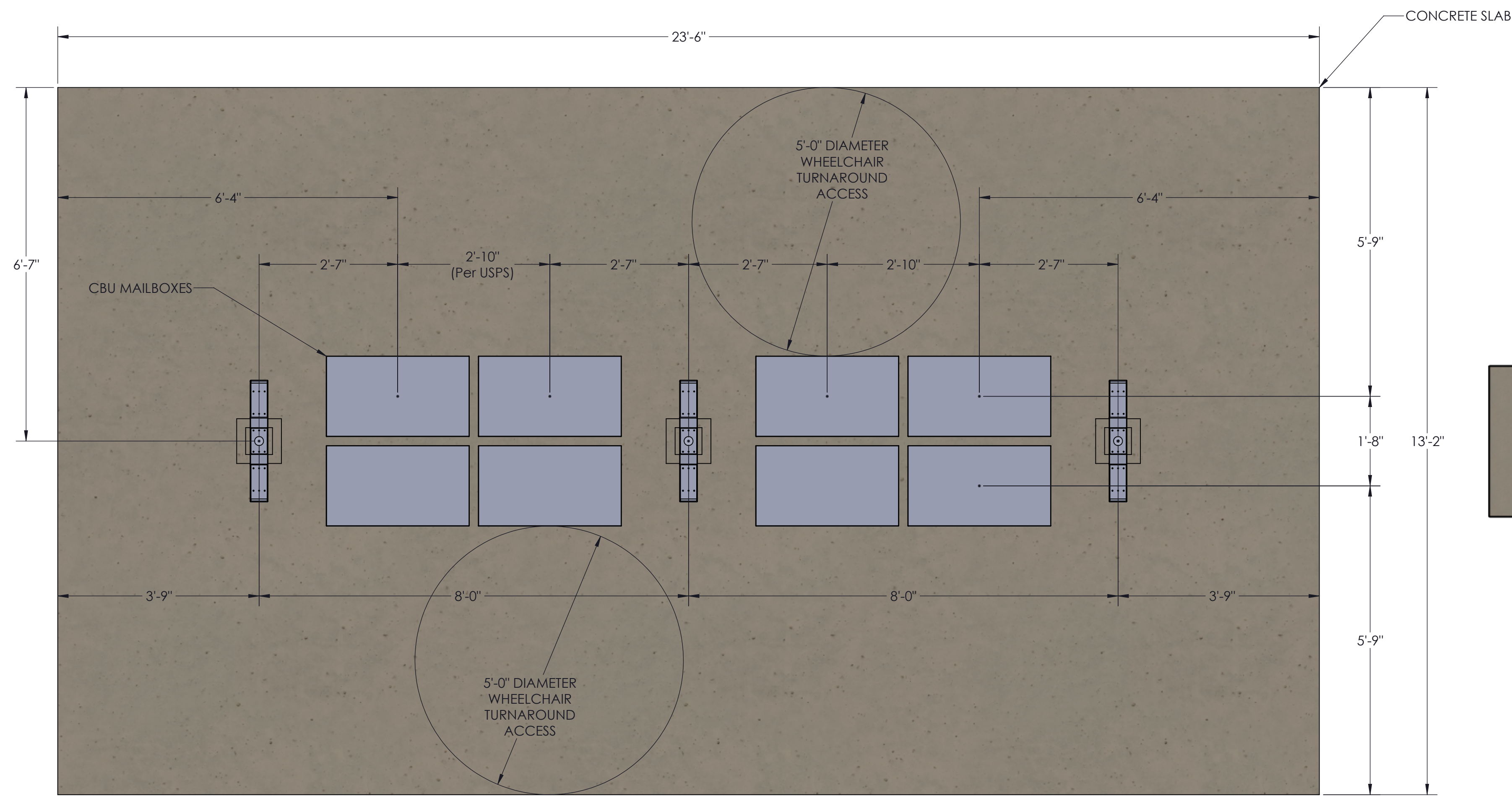
TOP VIEW
COLUMN/MAILBOX/CONCRETE LAYOUT

View before Footing and Blockout Installation

Ver antes de instalar la zapata de concreto

CONCRETE FOUNDATION:
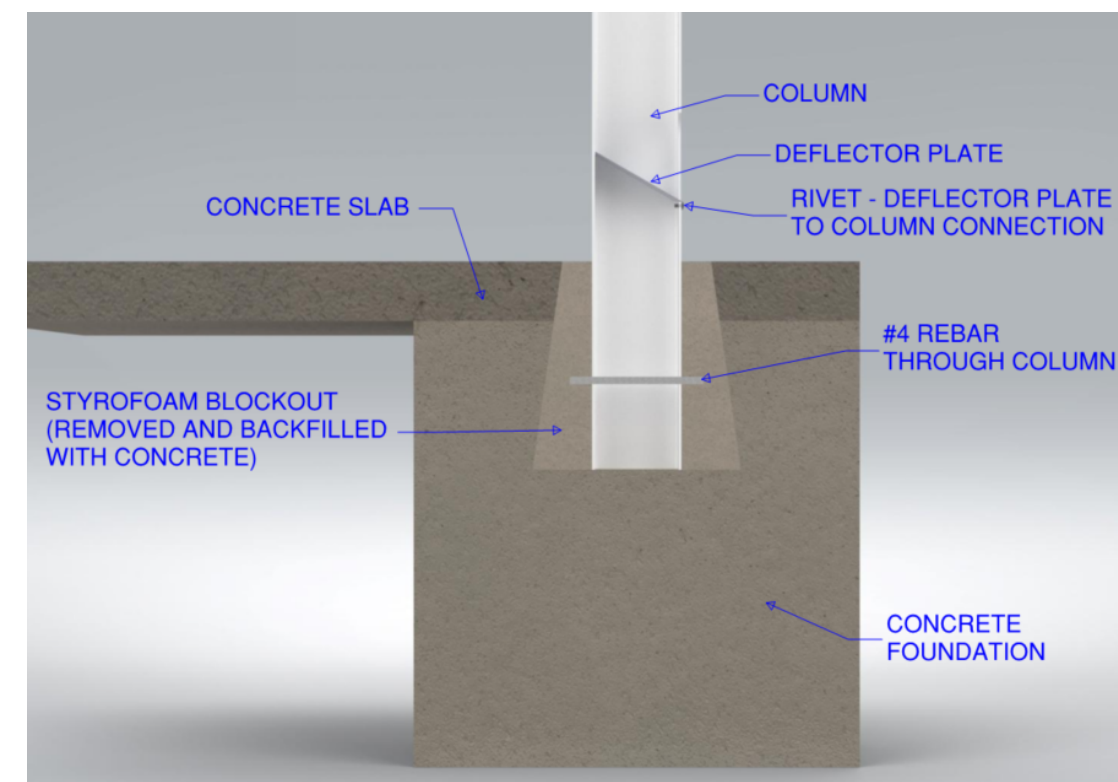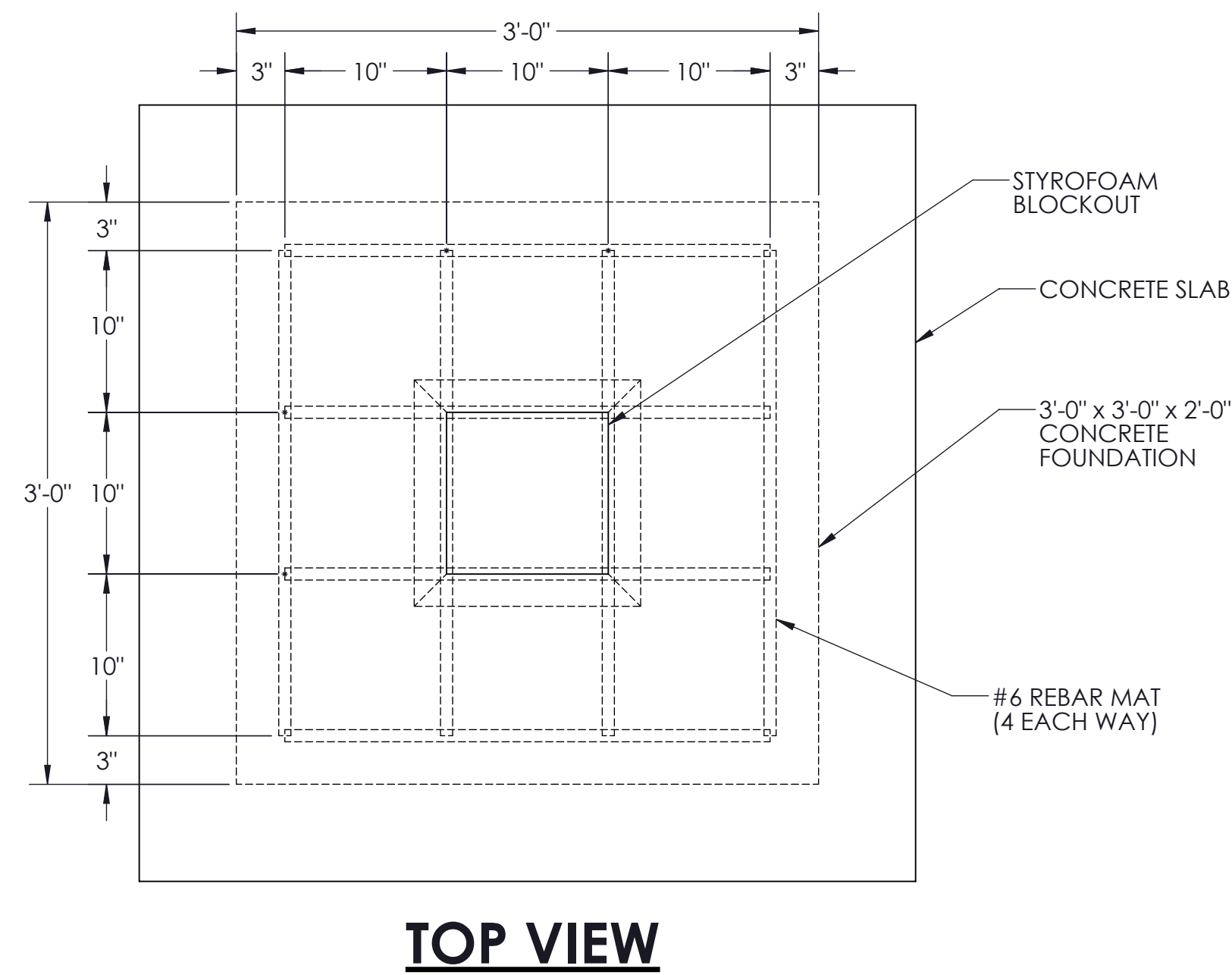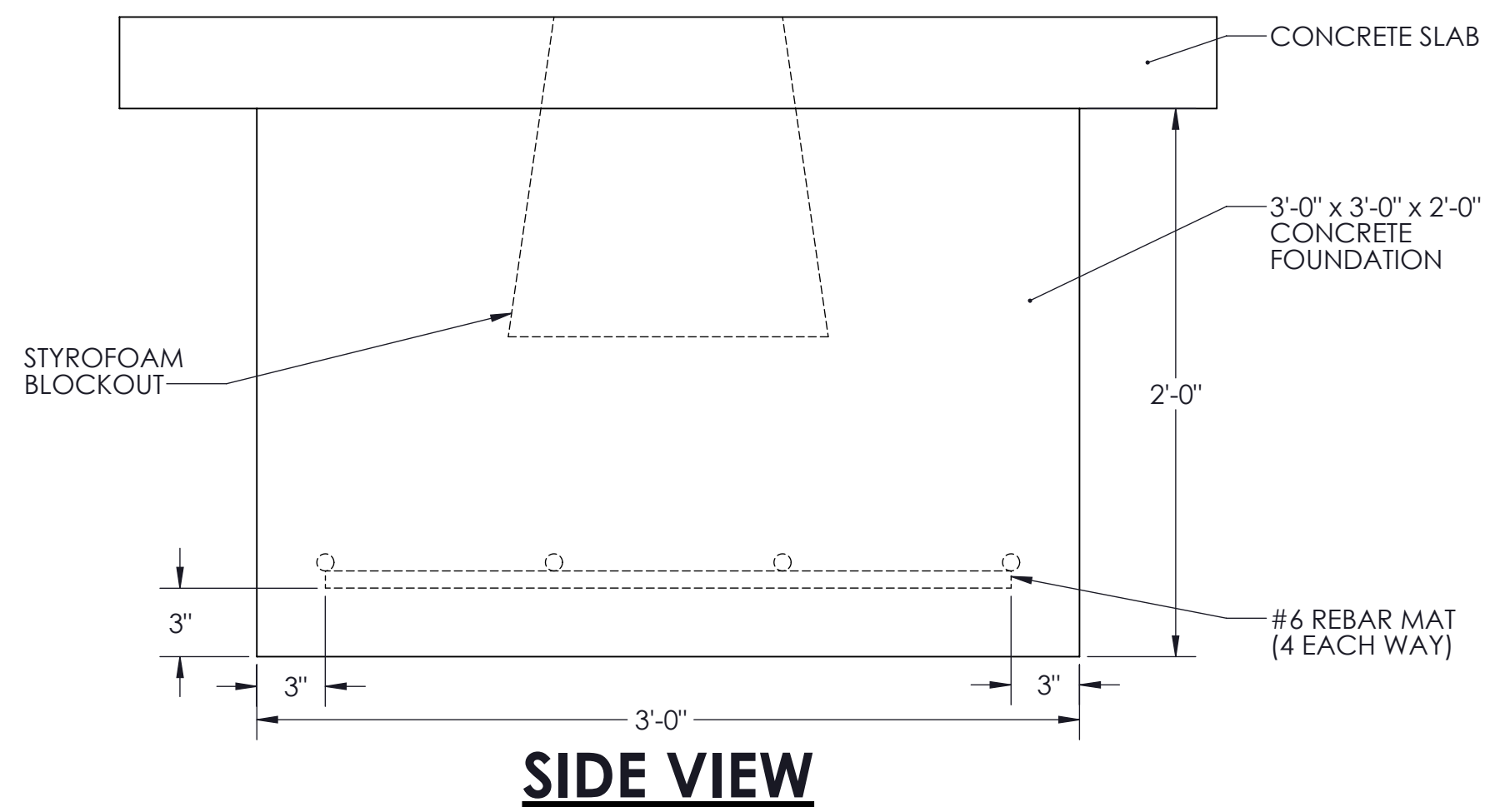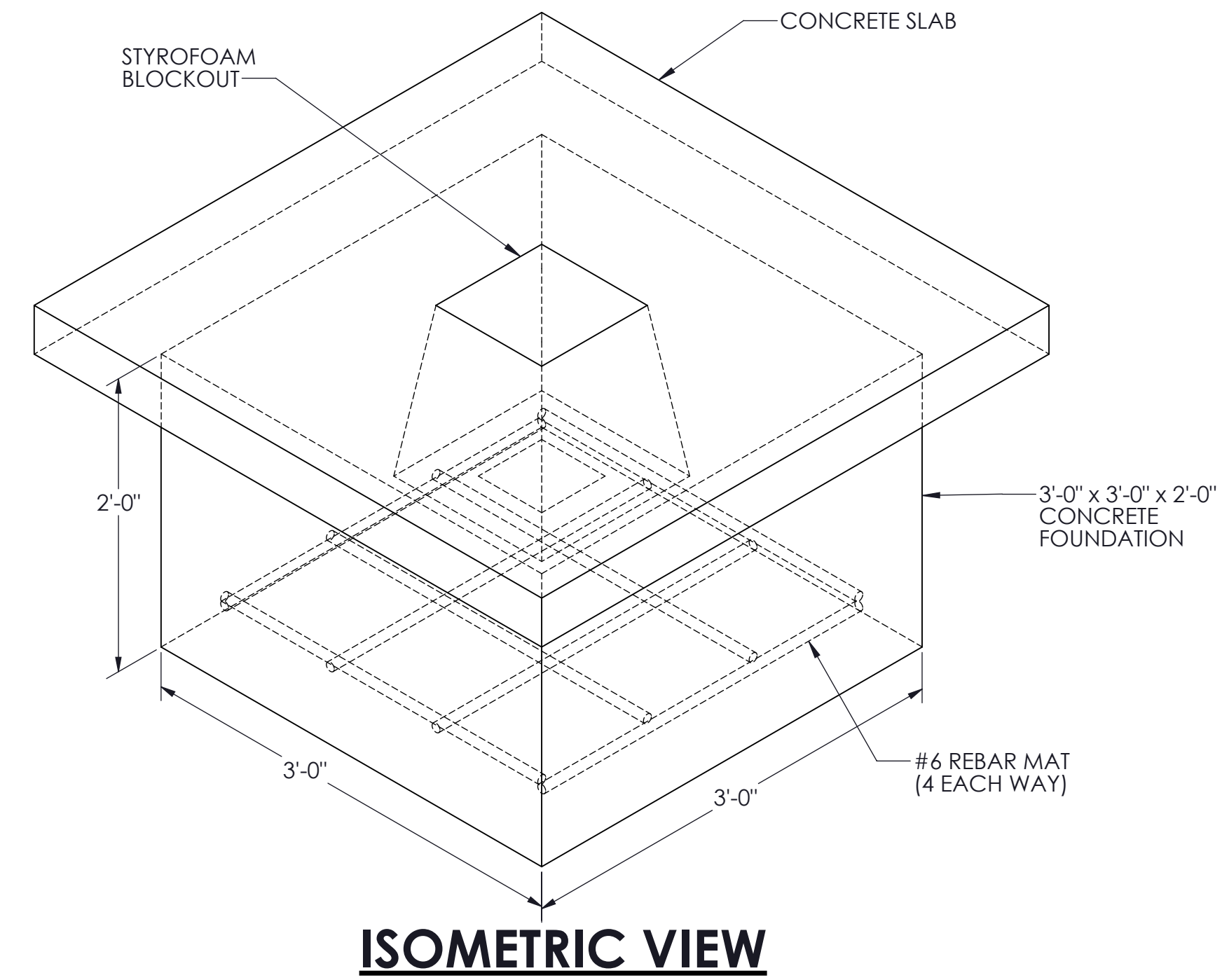SEE FOUNDATION DETAILS
PAGE FOR SIZING AND
REBAR REQUIREMENTS

8'-0"   8'-0"

TOP VIEW LAYOUT
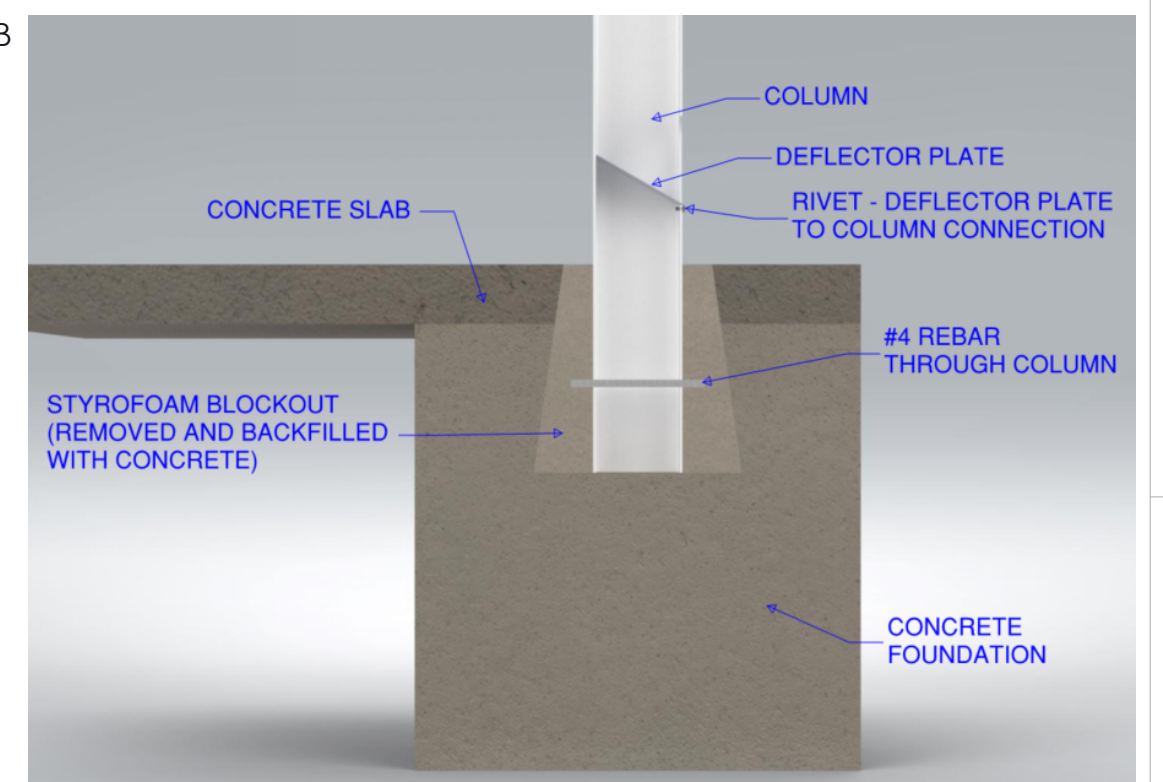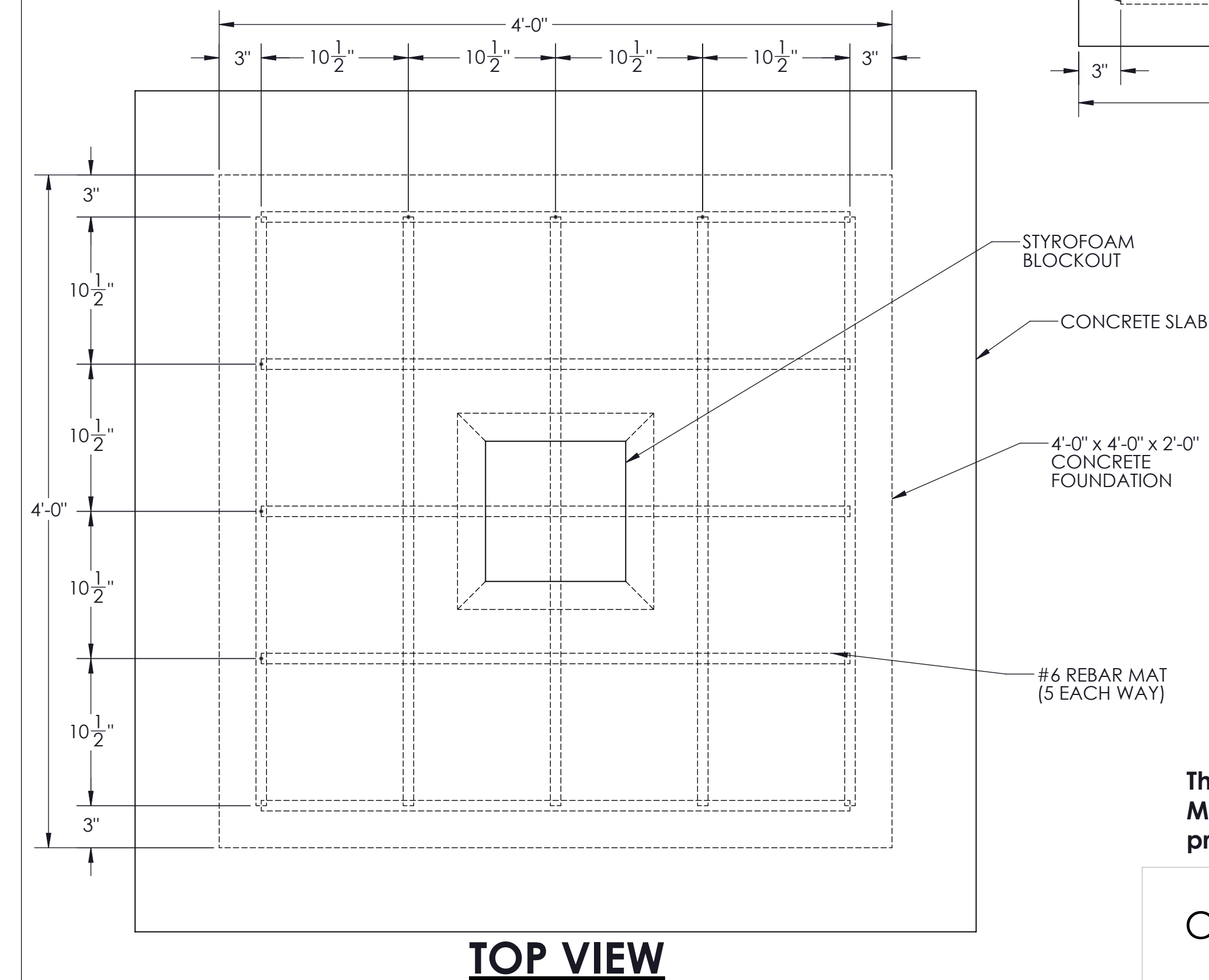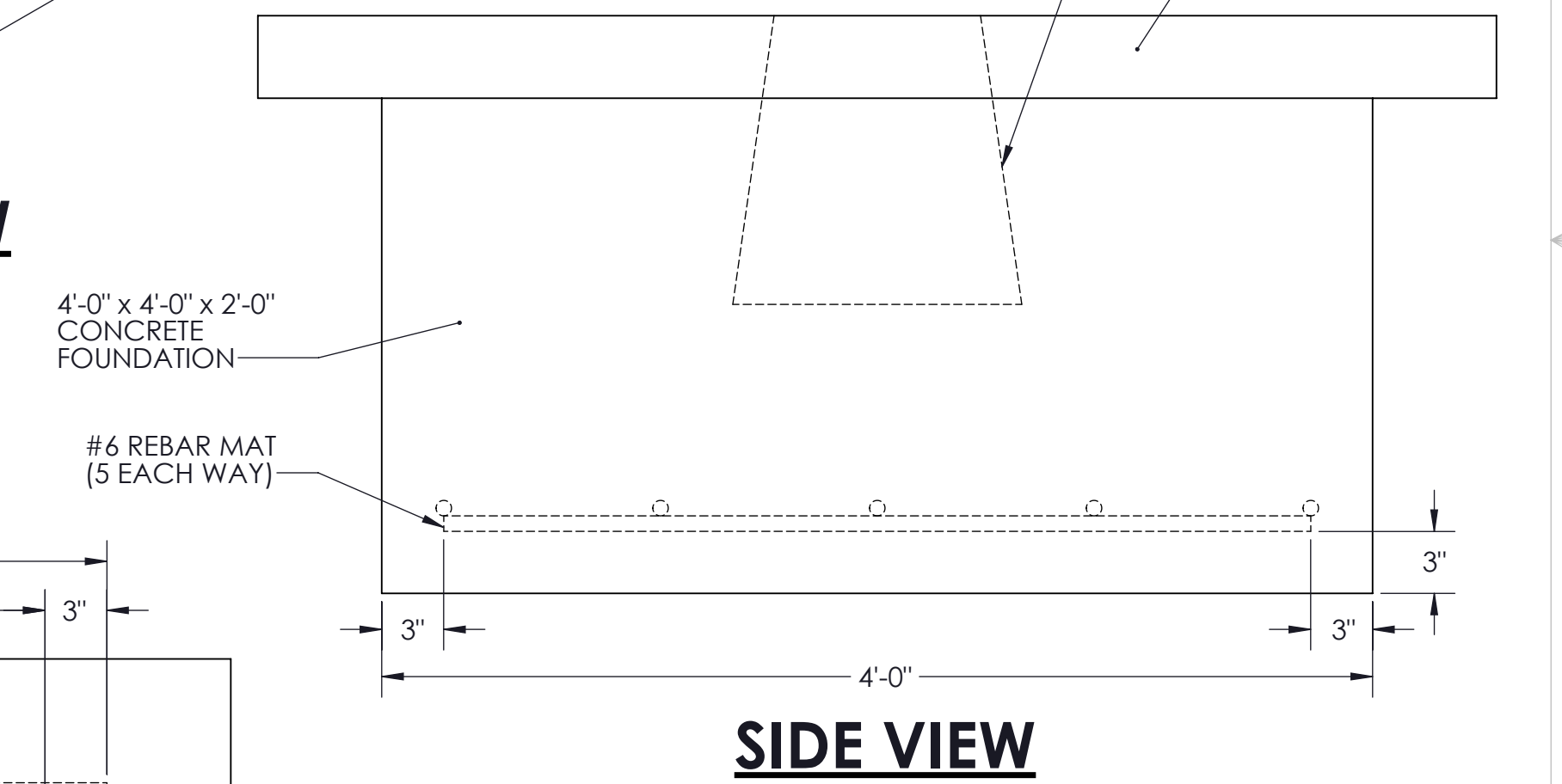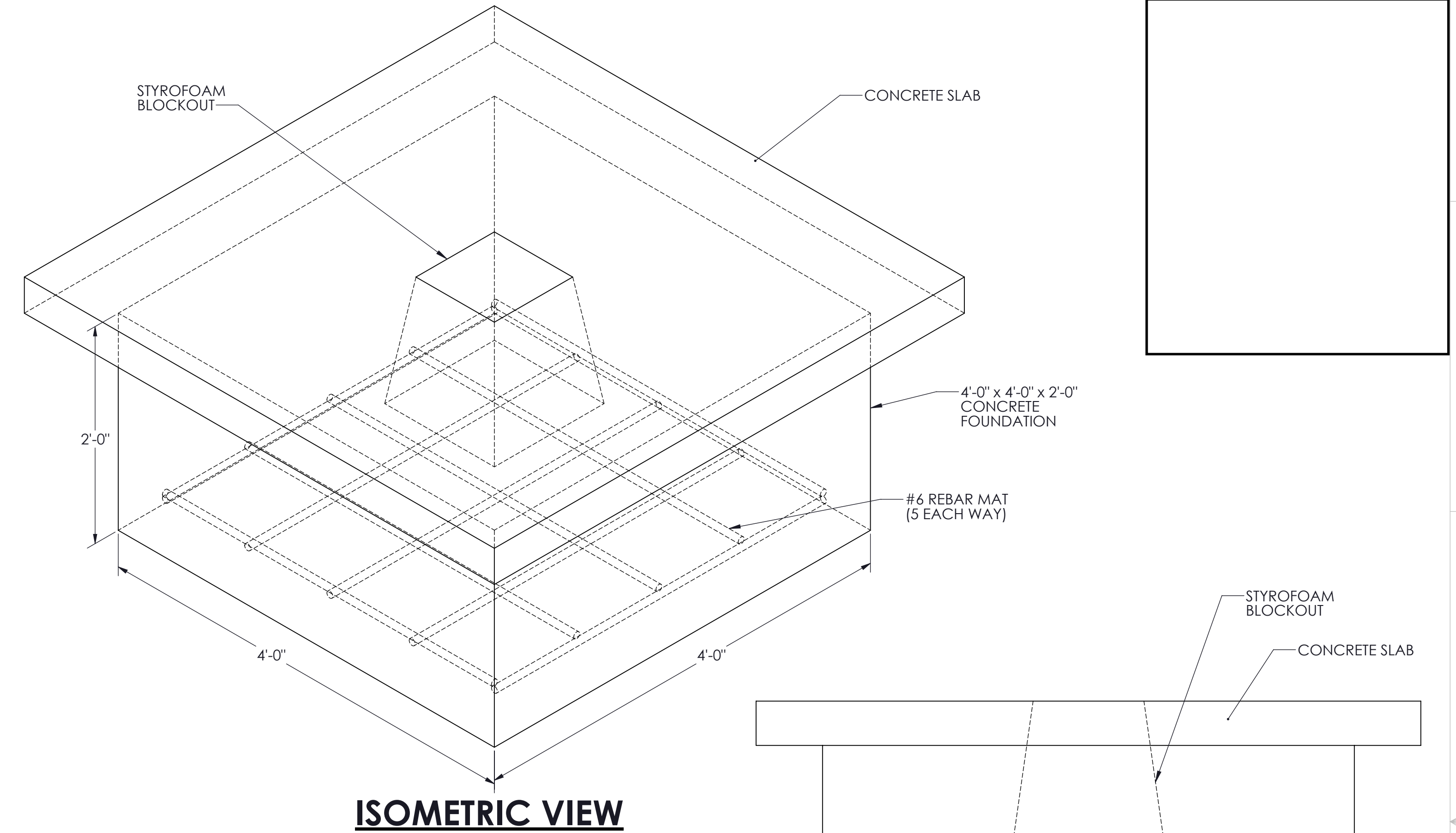## FOOTING & BLOCKOUT

STYLE:

BACK TO BACK 8 CBU CANOPY

Standard & B2B CBU Canopy Foundation Design (Up to **115 mph** wind, Exp.=B, Risk Category = II, Ground Snow Load = 30psf AND Up to **140 mph** wind, Exp.=B, Risk Category = II, Ground Snow Load = 5psf

STYROFOAM BLOCKOUT

CONCRETE SLAB

2'-0"

3'-0" x 3'-0" x 2'-0" CONCRETE FOUNDATION

3'-0"

3'-0"

#6 REBAR MAT (4 EACH WAY)

ISOMETRIC VIEW

CONCRETE SLAB

3'-0" x 3'-0" x 2'-0" CONCRETE FOUNDATION

STYROFOAM BLOCKOUT

2'-0"

3"

3"

3'-0"

3"

#6 REBAR MAT (4 EACH WAY)

SIDE VIEW

3'-0"

3"   10"   10"   10"   3"

3"

10"

3'-0"   10"

10"

3"

STYROFOAM BLOCKOUT

CONCRETE SLAB

3'-0" x 3'-0" x 2'-0" CONCRETE FOUNDATION

#6 REBAR MAT (4 EACH WAY)

TOP VIEW

COLUMN
DEFLECTOR PLATE
RIVET - DEFLECTOR PLATE TO COLUMN CONNECTION
CONCRETE SLAB
#4 REBAR THROUGH COLUMN
STYROFOAM BLOCKOUT (REMOVED AND BACKFILLED WITH CONCRETE)
CONCRETE FOUNDATION

Standard & B2B CBU Canopy Foundation Design (Up to **170 mph** wind, Exp.=B, Risk Category = II, Ground Snow Load = =0psf

STYROFOAM BLOCKOUT

CONCRETE SLAB

2'-0"

4'-0" x 4'-0" x 2'-0" CONCRETE FOUNDATION

#6 REBAR MAT (5 EACH WAY)

4'-0"

4'-0"

ISOMETRIC VIEW

STYROFOAM BLOCKOUT

CONCRETE SLAB

4'-0" x 4'-0" x 2'-0" CONCRETE FOUNDATION

#6 REBAR MAT (5 EACH WAY)

3"

3"   4'-0"   3"

SIDE VIEW

4'-0"

3" 10½" 10½" 10½" 10½" 3"

3"

10½"

10½"

4'-0"

10½"

10½"

3"

STYROFOAM BLOCKOUT

CONCRETE SLAB

4'-0" x 4'-0" x 2'-0" CONCRETE FOUNDATION

#6 REBAR MAT (5 EACH WAY)

TOP VIEW

COLUMN
DEFLECTOR PLATE
RIVET - DEFLECTOR PLATE TO COLUMN CONNECTION
CONCRETE SLAB
#4 REBAR THROUGH COLUMN
STYROFOAM BLOCKOUT (REMOVED AND BACKFILLED WITH CONCRETE)
CONCRETE FOUNDATION

CBU CANOPY FOUNDATION DESIGNS