

DRAWING PACKAGE NUMBER: G101208S

10' X 12' X 7'-6" STANDARD

EASI-SET GABLED BUILDING

25-3077  
MONTGOMERY CO AIRPORT BUILDING  
CONNECTIONS

CUSTOMER: R.F. COOK ELECTRICAL COMPANY

PROJECT: MONTGOMERY COUNTY AIRPORT, MT. STERLING, KY

PRODUCER: INFRASTRUCTURE PRECAST



PREPARED FOR:

**BUILDING STAIN COLORS:**

DOOR, DOOR FRAME, AND ROOF: DARK BRONZETONE HGSW2501

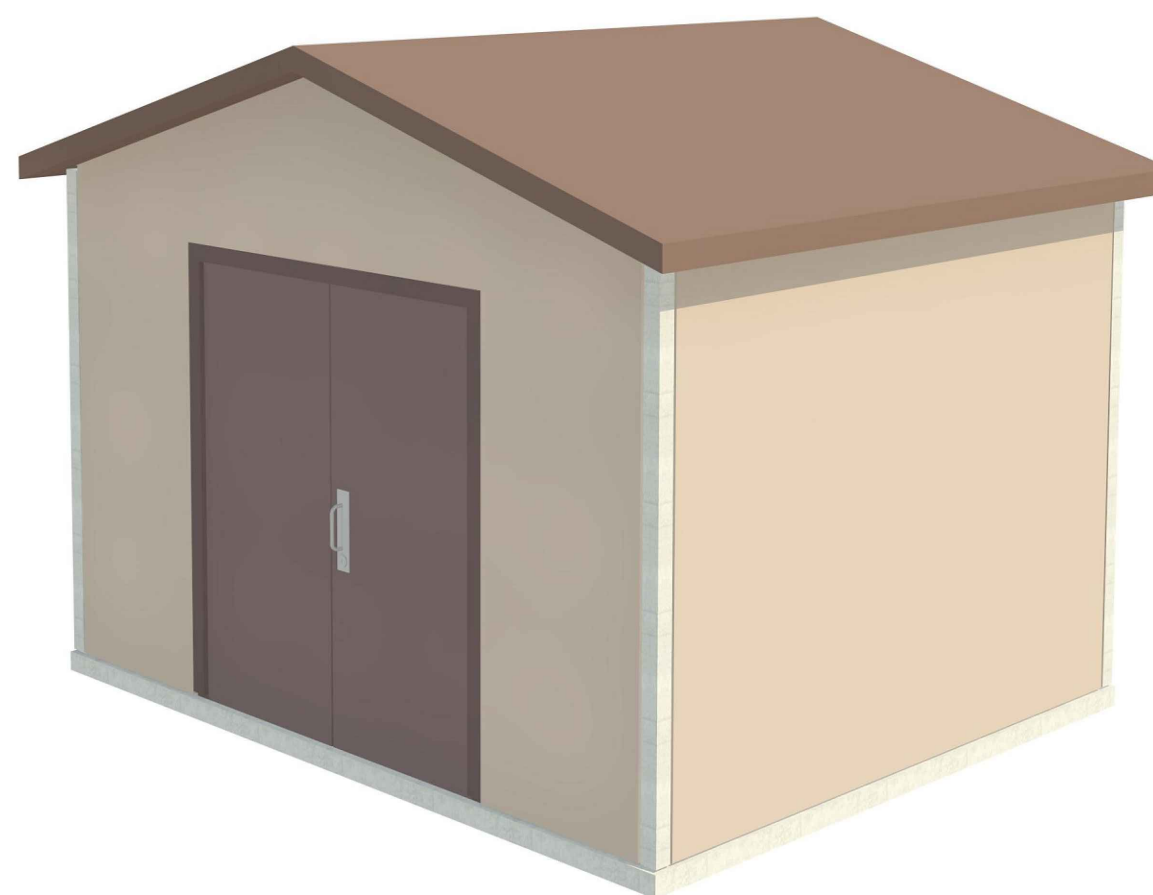
WALLS - GROUT JOINTS: ECRU HGSW3196

WALLS - BRICK COLOR: CUSTOM MATCH - SEE BELOW

SUBMITTAL DRAWINGS

GENERAL NOTES:

- DESIGN SPECIFICATIONS
  - IBC 2015
  - ASCE 7-10
  - ACI 318-11
  - PCI 7TH ED.
  - STEEL CONST. MANUAL 14TH ED.
- LOADS
  - ROOF LIVE LOAD: 60 PSF
  - FLOOR LIVE LOAD: 250 PSF
  - WIND LOADING: 165 MPH
  - SEISMIC DESIGN: DESIGN CATEGORY D
- MATERIALS
  - CONCRETE = 2,500 PSI (RELEASE)
  - = 3,500 PSI (POST-TENSION)
  - = 5,000 PSI (28 DAY)
  - REBAR: ASTM A615, GRADE 60
  - WELDED WIRE FABRIC: GRADE 65 ASTM A185



Brick color

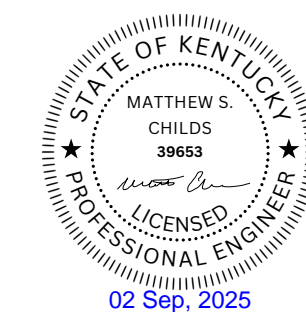
BILL OF MATERIALS-MASTER LIST

| MARK NO. | DESCRIPTION                          | QTY |
|----------|--------------------------------------|-----|
| P101L    | 1/2" x 1 3/4" F-63 COIL INSERT       | 38  |
| P102G    | P-4 LIFTING ANGLE                    | 4   |
| P103G    | 2-TON TECH ERECTION ANCHOR           | 14  |
| P104P    | U-5 POST TENSION ANCHOR              | 6   |
| P105P    | 4 3/4" x 1'-4 3/4" FL-164 SUN VENT   | 2   |
| P106G    | 2-TON PLATE ANCHOR                   | 8   |
| P201G    | 4"X4"X3/8"W/(2) 3/8" x 1 1/2" H.A.S. | 12  |
| P9000P   | 6'-0" X 6'-8" 3" DOOR FRAME          | 1   |

L = ELECTROPLATED FINISH      G = GALVANIZED FINISH  
P = PLAIN (MANUFACTURER) FINISH      R = RED OXIDE FINISH  
S = STAINLESS STEEL

DRAWING INDEX

| DWG  | SHEET TITLE         | REVISION NO. | DATE     |
|------|---------------------|--------------|----------|
| E-01 | COVERSHEET          |              | 08.09.19 |
| E-02 | BUILDING LAYOUT     |              | 08.09.19 |
| E-03 | CONNECTIONS LAYOUT  |              | 08.09.19 |
| E-04 | CONNECTIONS DETAILS |              | 08.09.19 |
| E-05 | SITE PREPARATION    |              | 08.09.19 |



ABBREVIATIONS:

P.D. = PANEL DIMENSION  
R.O. = ROUGH OPENING  
TYP. = TYPICAL

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| REV | INI. | DESCRIPTION | DATE |
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| 1   | 1    |             |      |
| 2   | 2    |             |      |
| 3   | 3    |             |      |
| 4   | 4    |             |      |

PROJECT: 10' X 12' X 7'-6" STANDARD  
EASI-SET GABLED BUILDING  
CONTRACTOR: INFRASTRUCTURE PRECAST

COVERSHEET

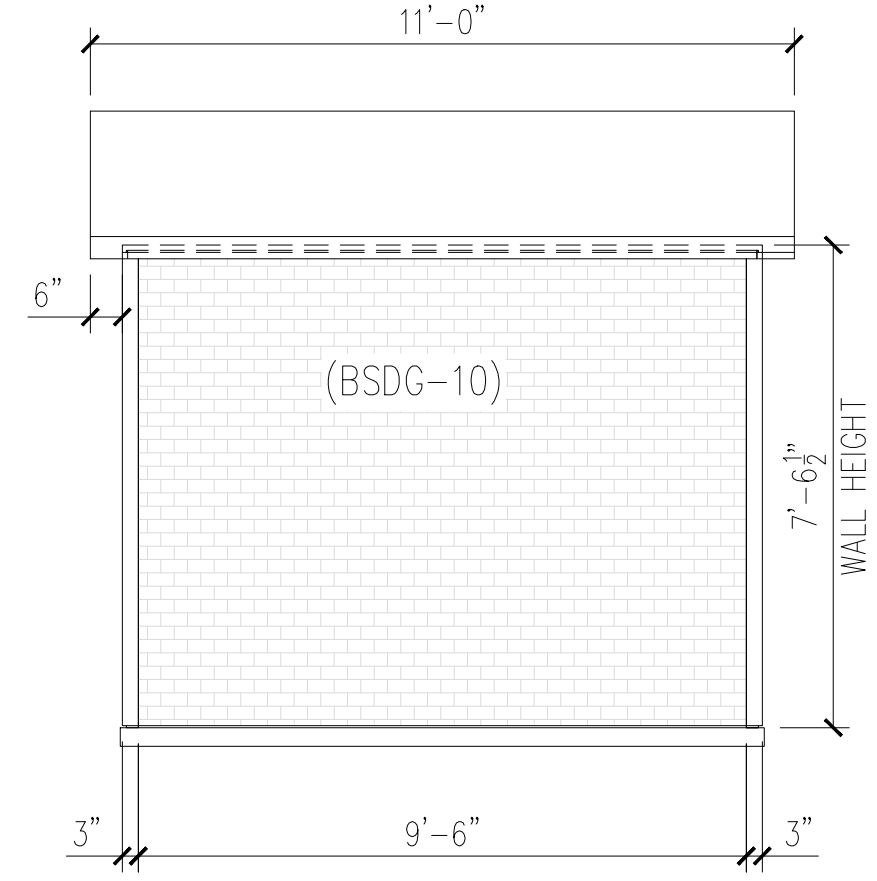
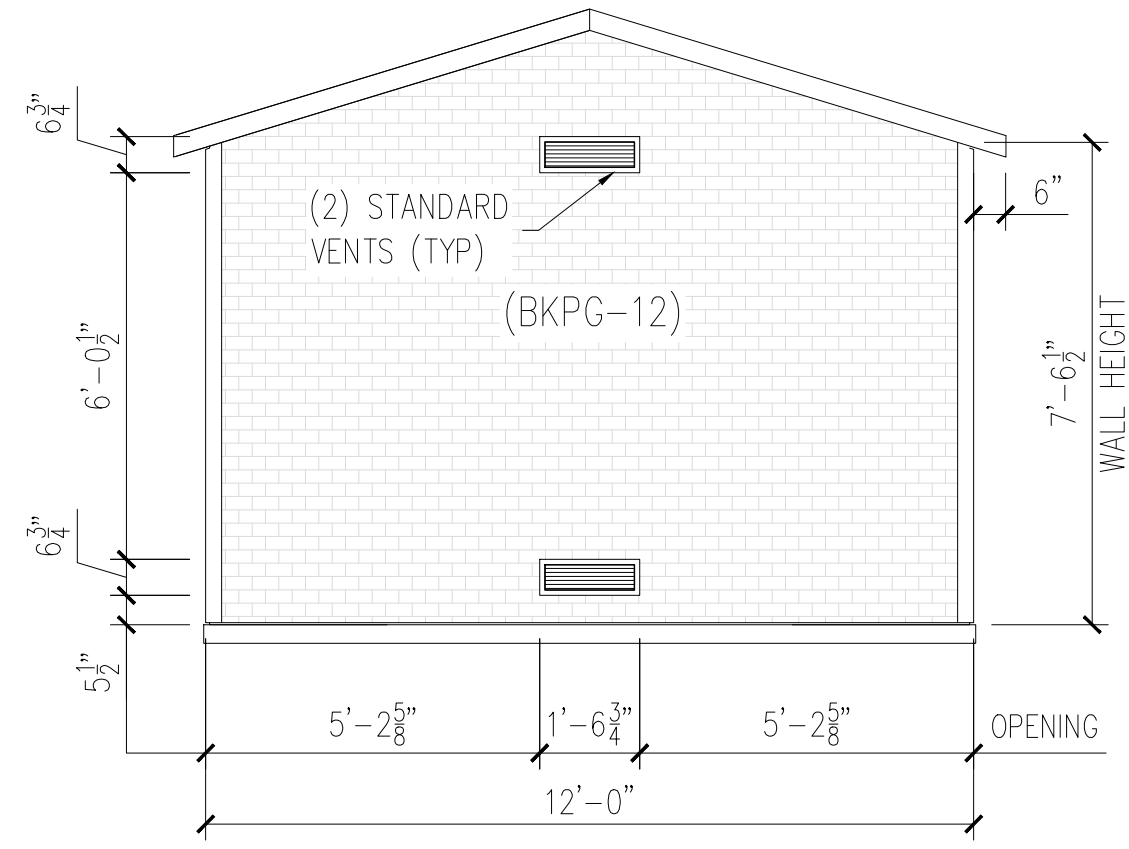
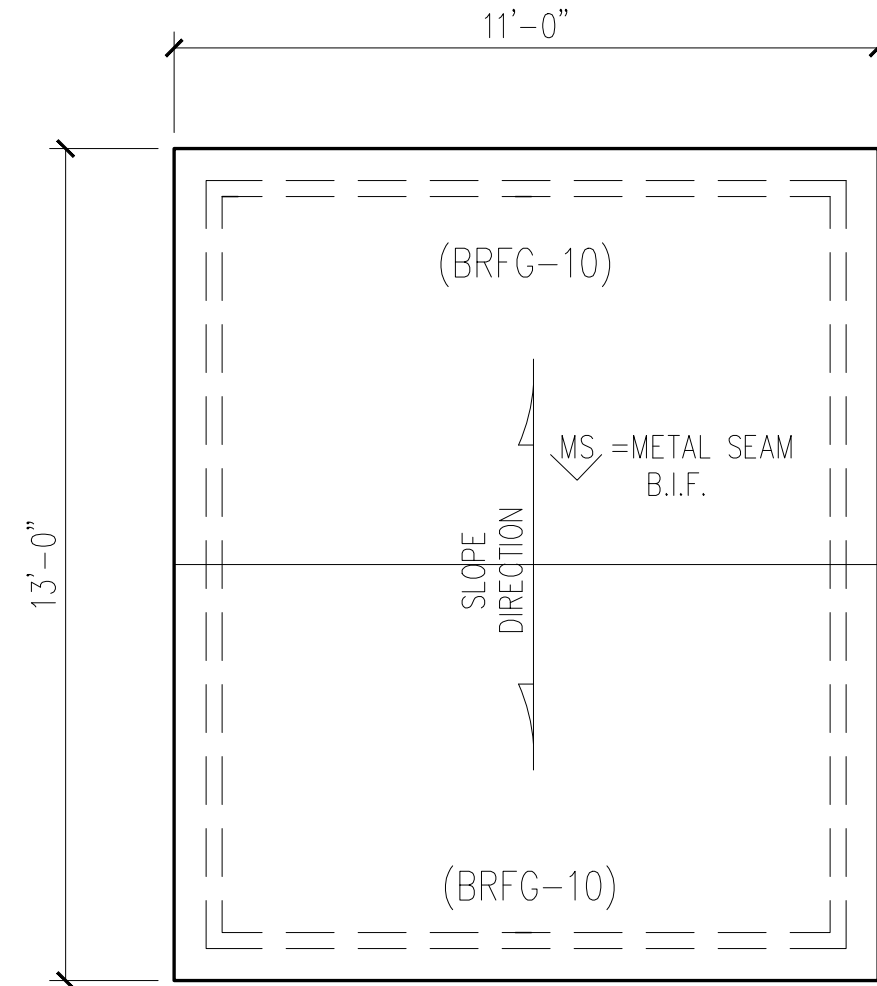
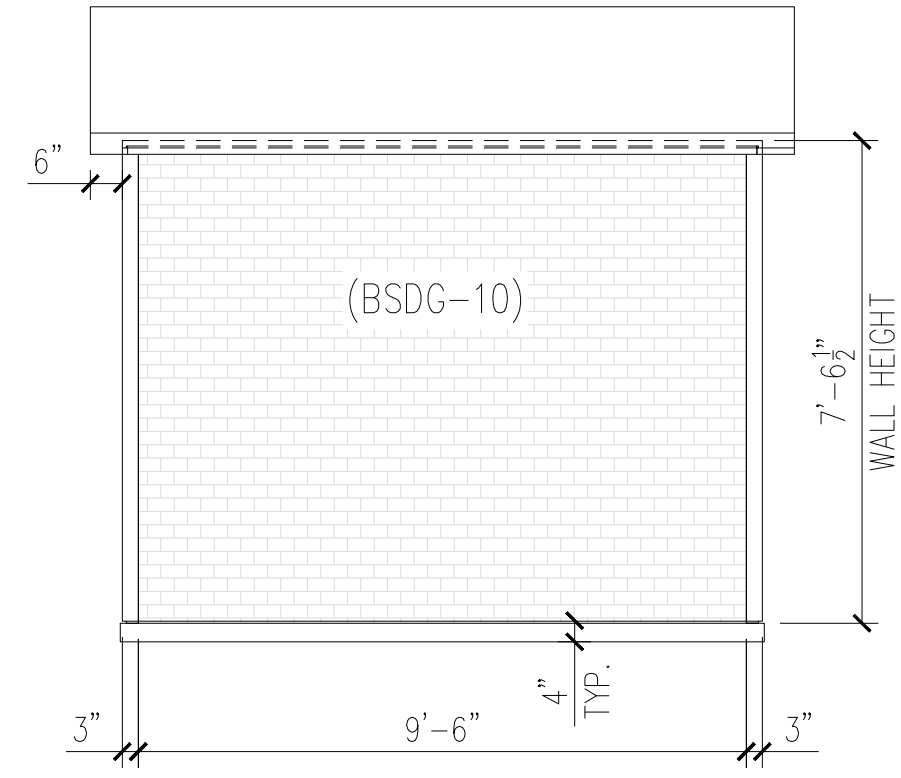
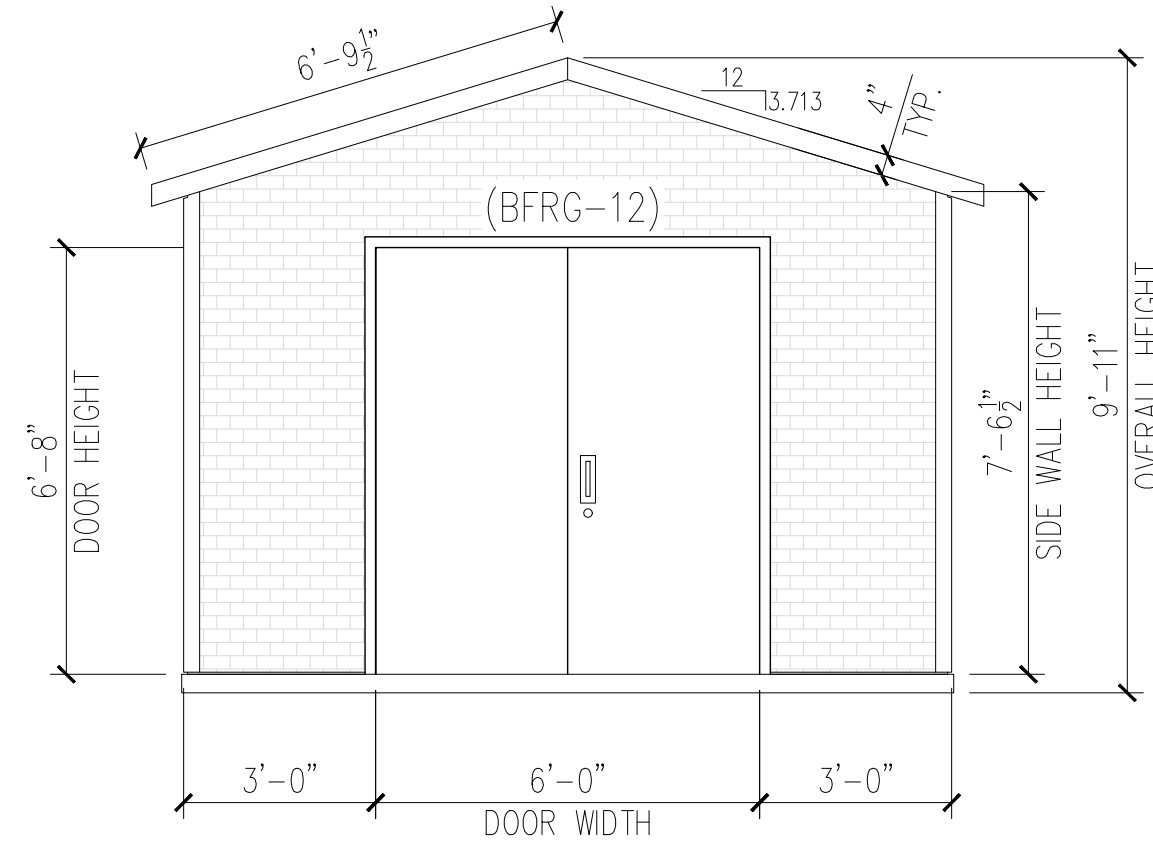
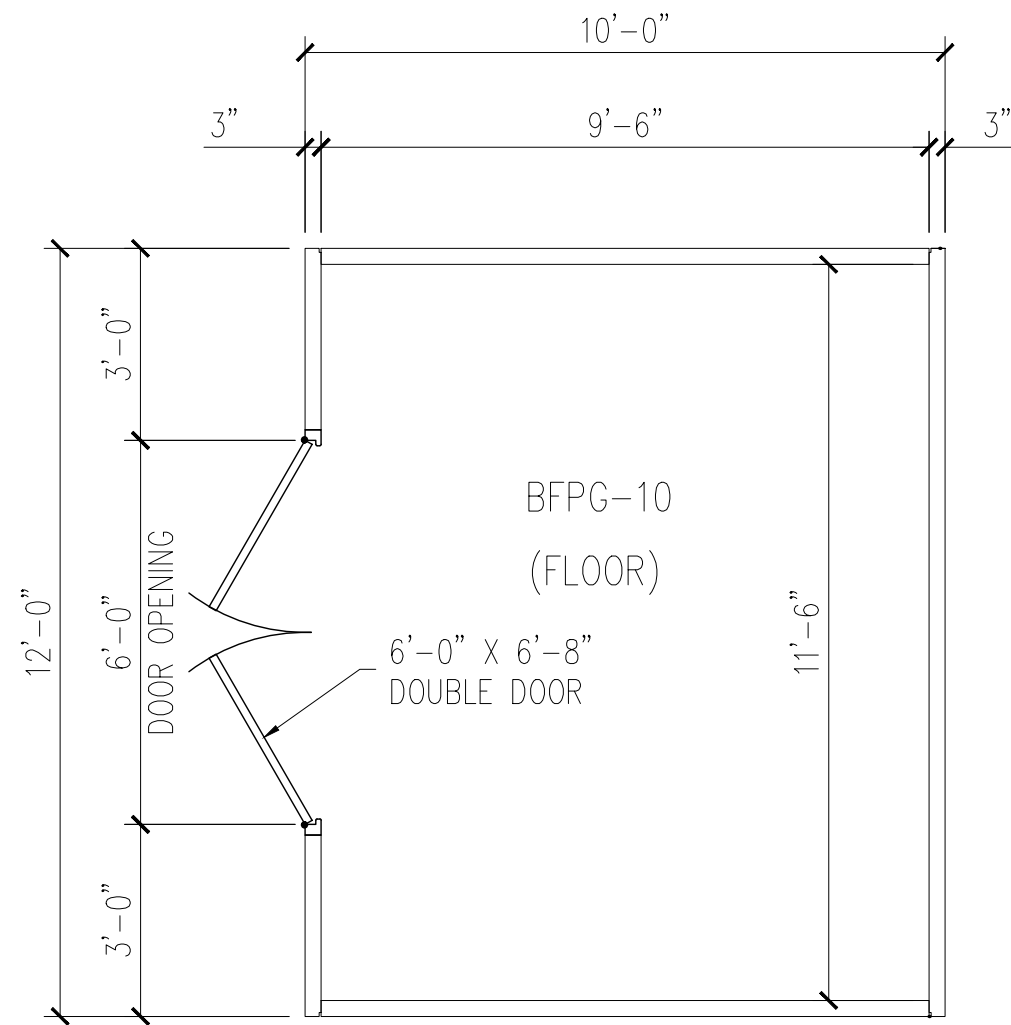
JOB #

DRAWN BY  
JAD

CHECK BY  
WCR

ISSUE DATE  
08.25.25

SHEET  
E-01



**25-3077  
MONTGOMERY CO AIRPORT BUILDING  
CONNECTIONS**

**BUILDING LAYOUT**

NOTE: FINISH OPTIONAL, VARIOUS FINISHES ARE AVAILABLE

- EASI-BRICK
- EXPOSED AGGREGATE
- BROOM
- OTHER: \_\_\_\_\_

- GENERAL NOTES:
- ALL REQUIRED OPENINGS FOR ELECTRIC, MECHANICAL, LOUVERS, ETC. MUST BE SIZED AND LOCATED BY BUYER ON THIS DRAWING (OPENING SIZES AND LOCATIONS MAY HAVE TO BE ALTERED IF THEY INTERFERE WITH CONNECTIONS OR REINFORCING)
  - ALL VIEWS ARE FROM EXTERIOR
  - A SIGNED COPY MUST BE RETURNED BEFORE BUILDING CAN BE RELEASED FOR PRODUCTION



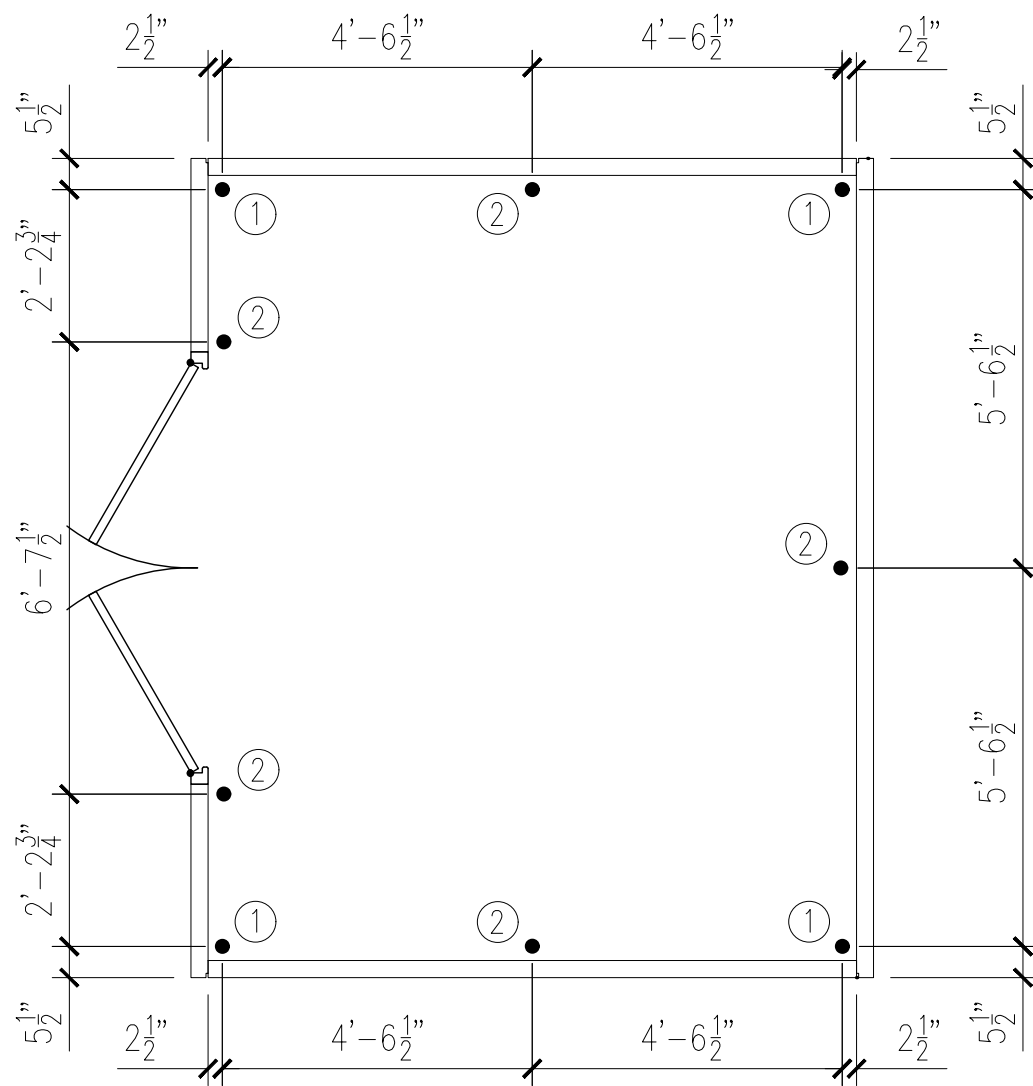
|                   |                     |
|-------------------|---------------------|
| MESSAGE CENTER    |                     |
| BUILDING FINISH   | WALLS: BRICK FINISH |
|                   | ROOF: BROOM FINISH  |
| BUILDING STAIN    | WALLS: RALEIGH RED  |
|                   | ROOF: GRAY          |
| DOOR COLOR        | RALEIGH RED         |
| BUILDING WEIGHT   | ~23,900 LBS         |
| CUSTOMER APPROVAL |                     |
| APPROVED BY:      | DATE:               |

| DATE | DESCRIPTION | INI. REV. |
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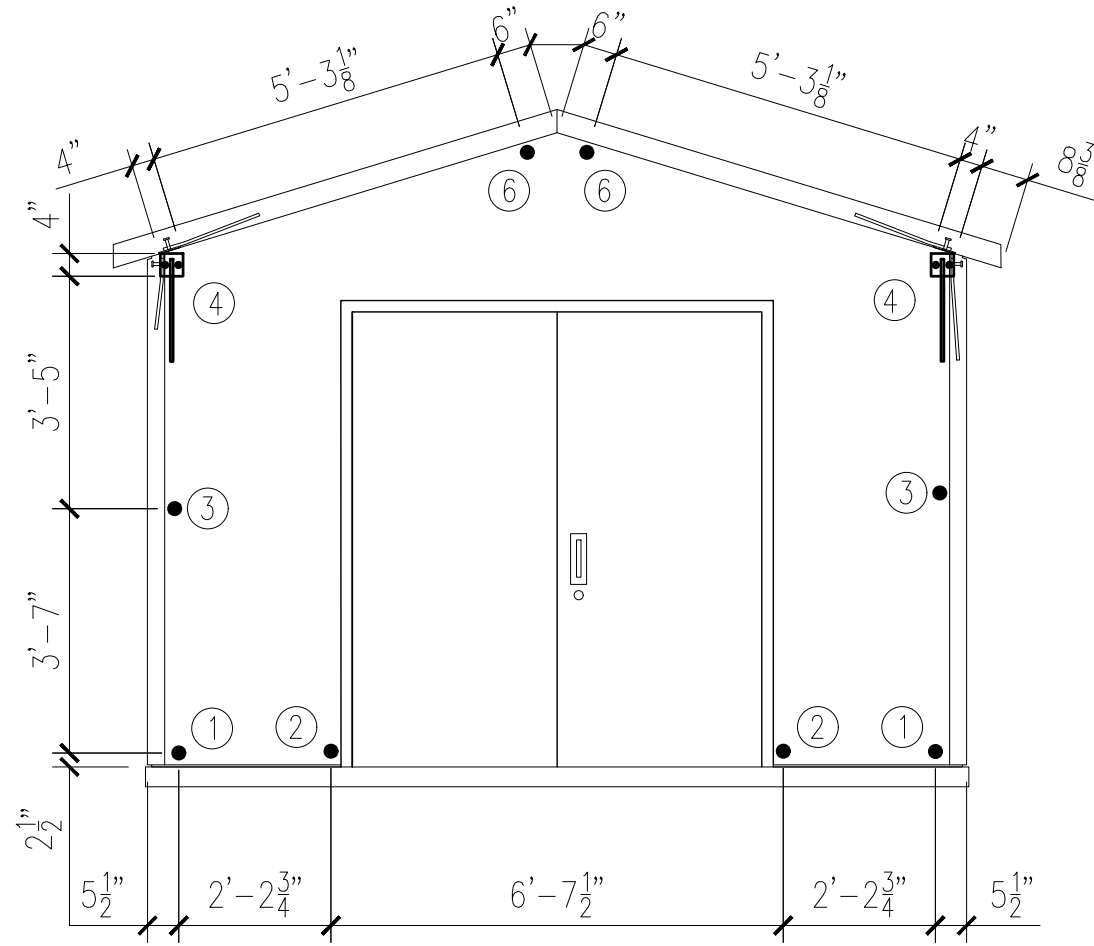
PROJECT: 10' X 12' X 7'-6" STANDARD  
EASI-SET GABLED BUILDING  
CONTRACTOR: INFRASTRUCTURE PRECAST

|                        |
|------------------------|
| BUILDING<br>LA YOUT    |
| JOB #<br>---           |
| DRAWN BY<br>JAD        |
| CHECK BY<br>WCR        |
| ISSUE DATE<br>08.25.25 |
| SHEET<br>E-02          |

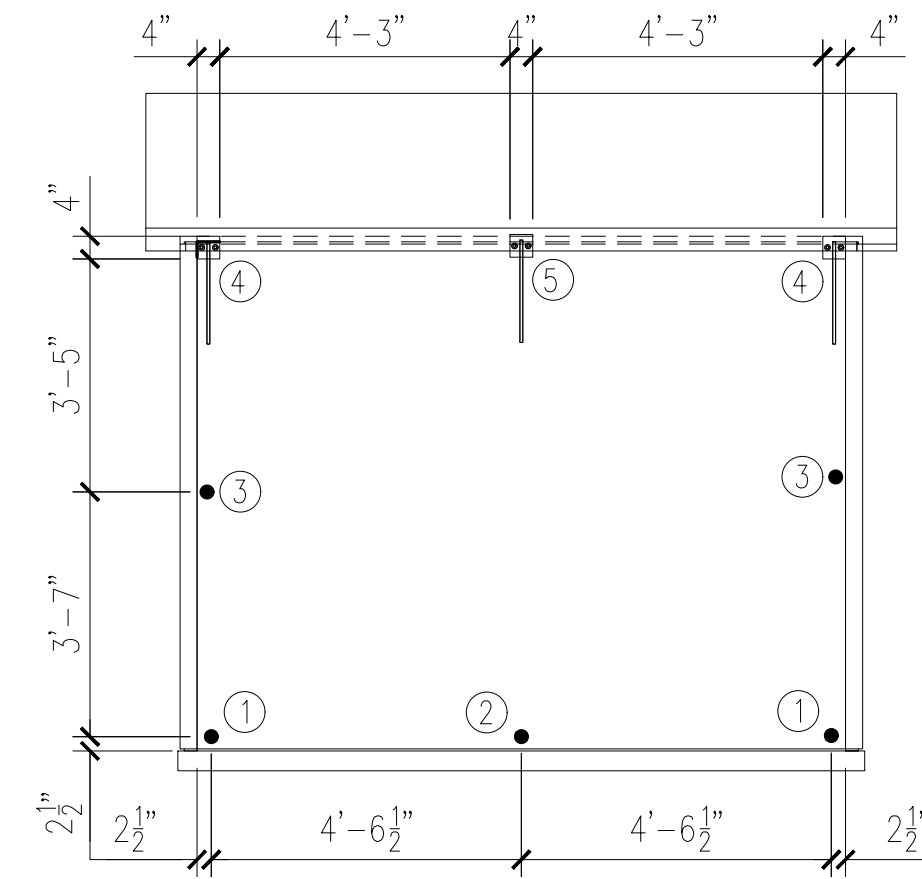
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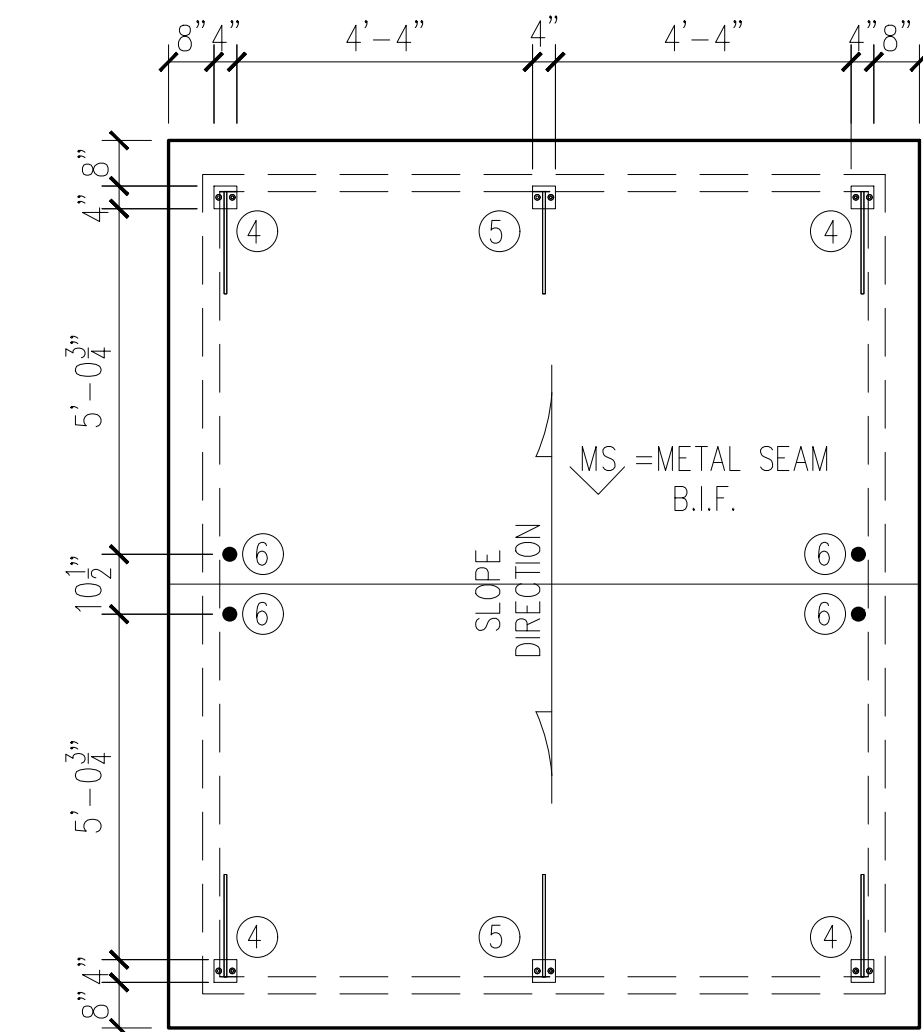
FLOOR PLAN



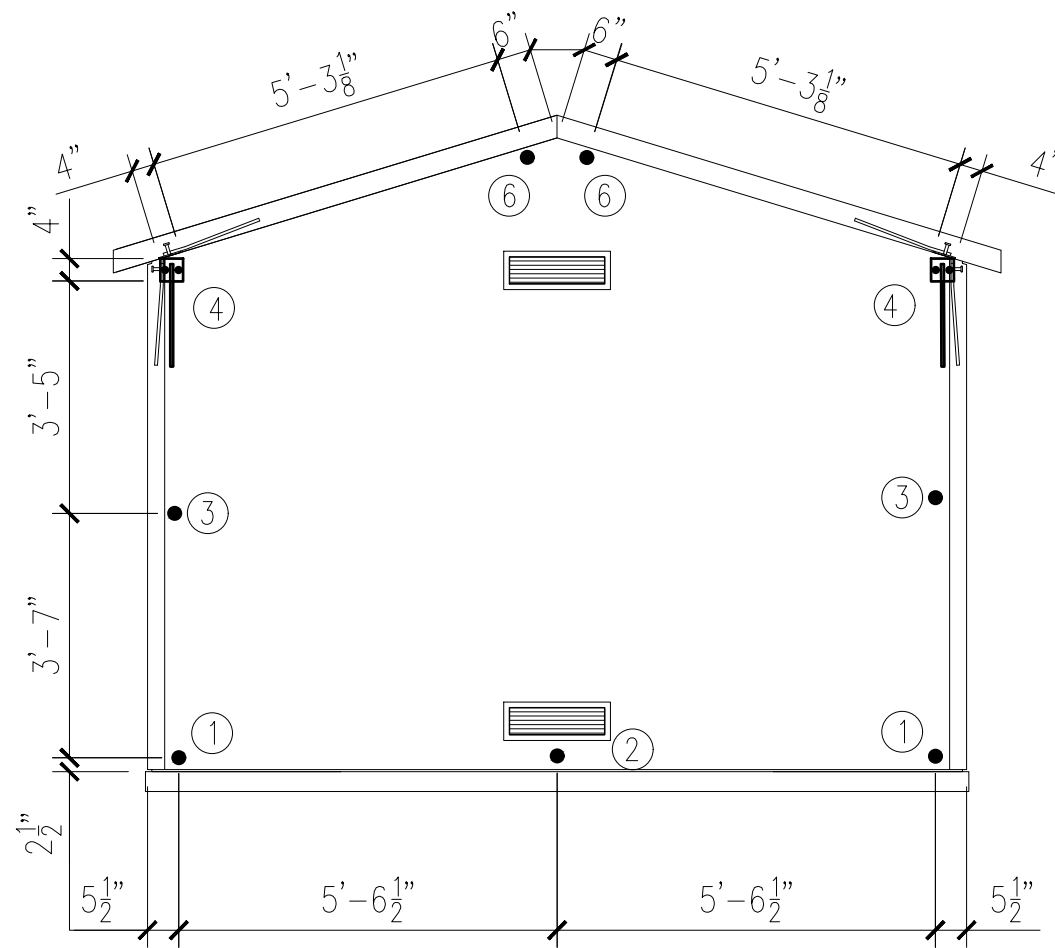
FRONT ELEVATION



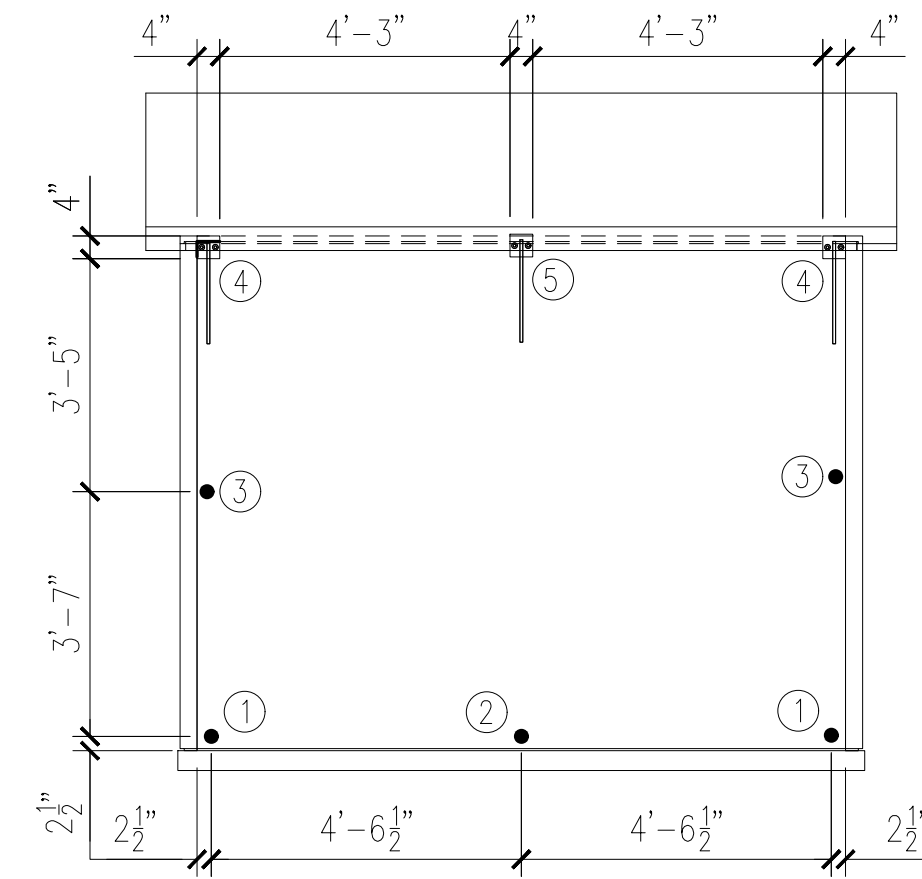
RIGHT ELEVATION



ROOF PLAN



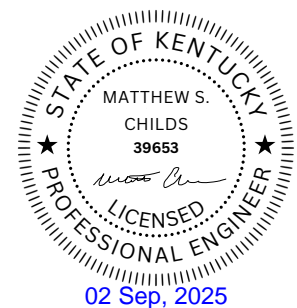
BACK ELEVATION



LEFT ELEVATION

**25-3077  
MONTGOMERY CO AIRPORT BUILDING  
CONNECTIONS**

BUILDING CONNECTIONS LAYOUT

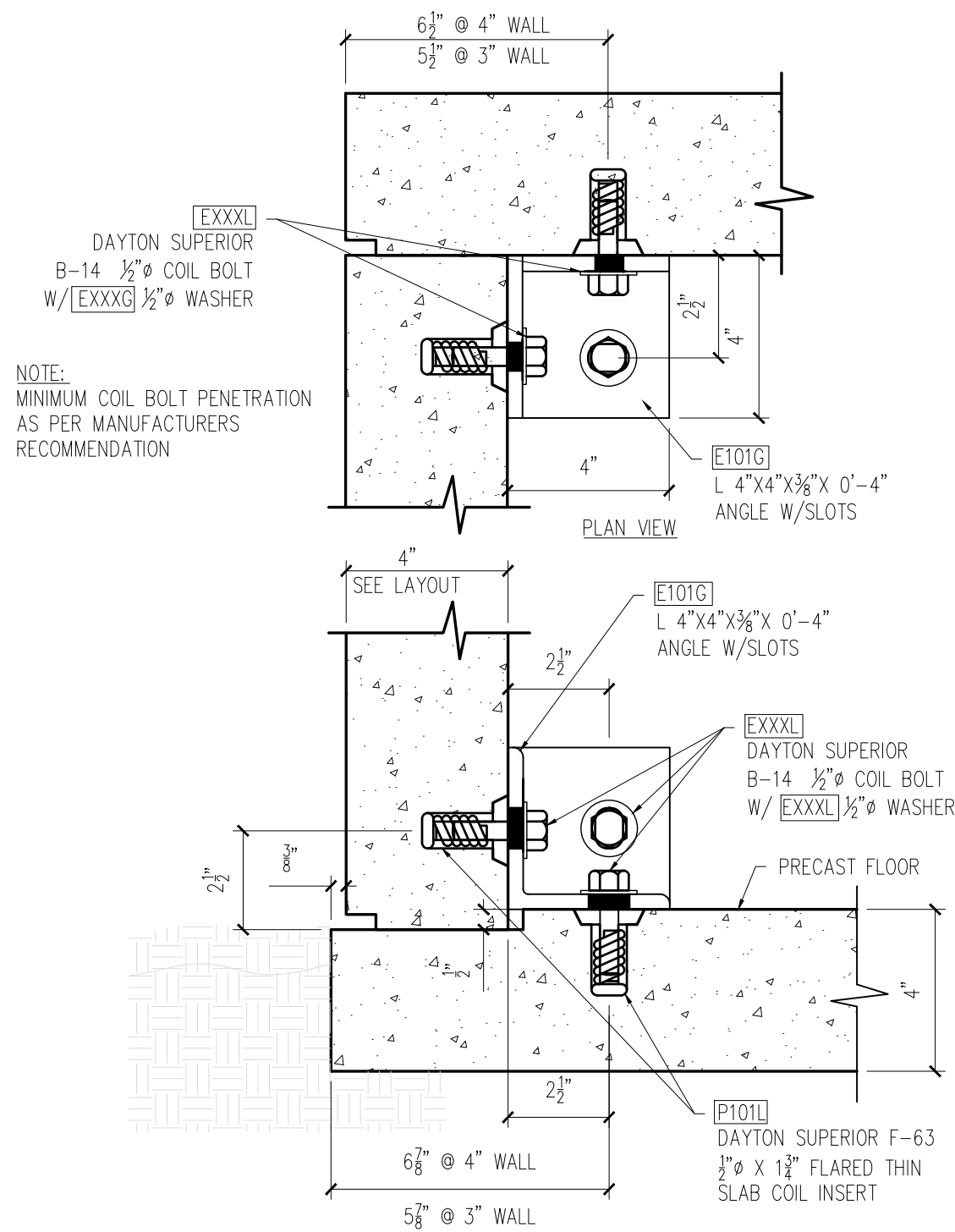


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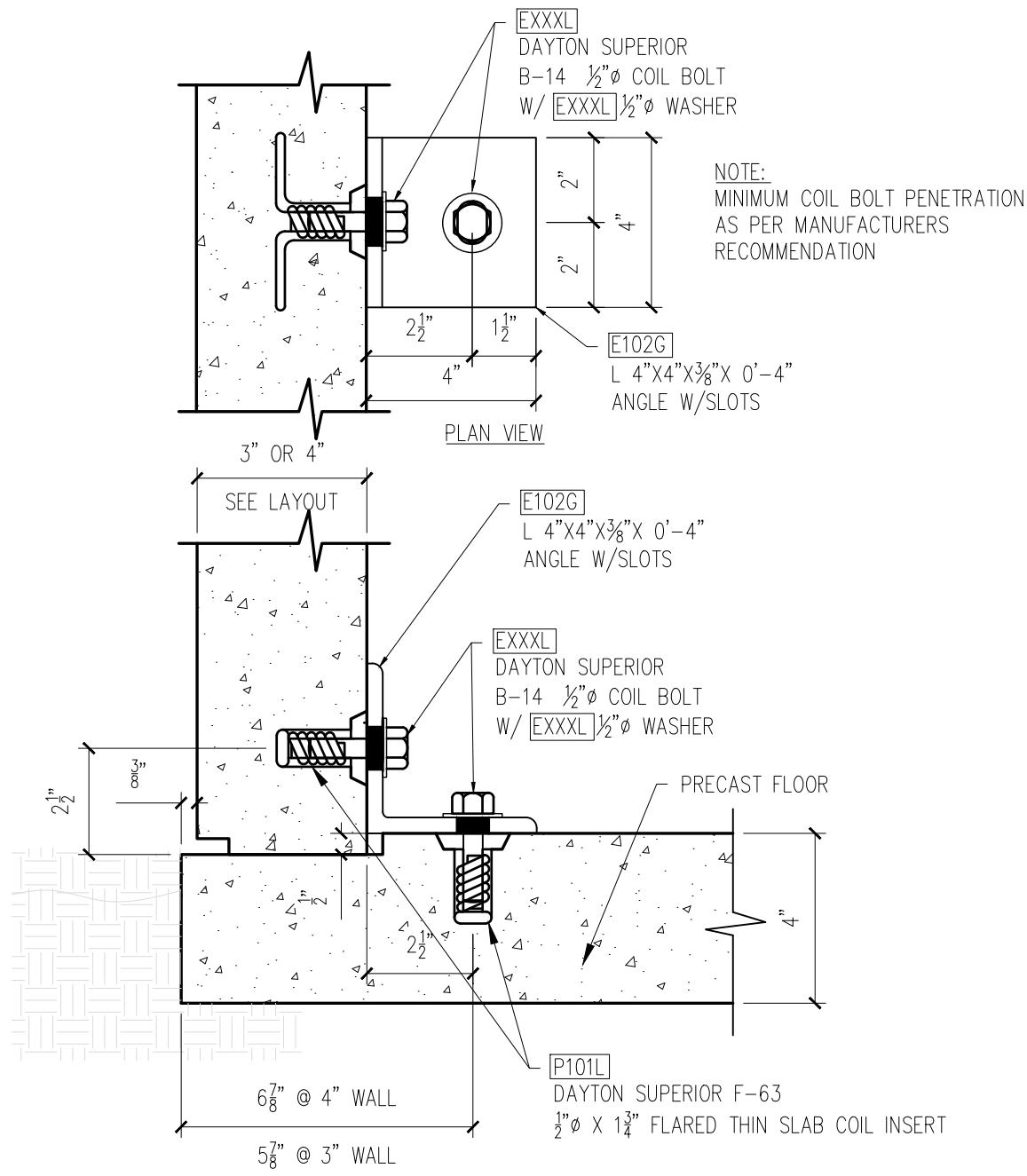
CONNECTION LAYOUT

JOB #  
DRAWN BY  
JAD  
CHECK BY  
WCR  
ISSUE DATE  
08.25.25  
SHEET  
E-03



WALL TO FLOOR CONNECTION (CORNER)

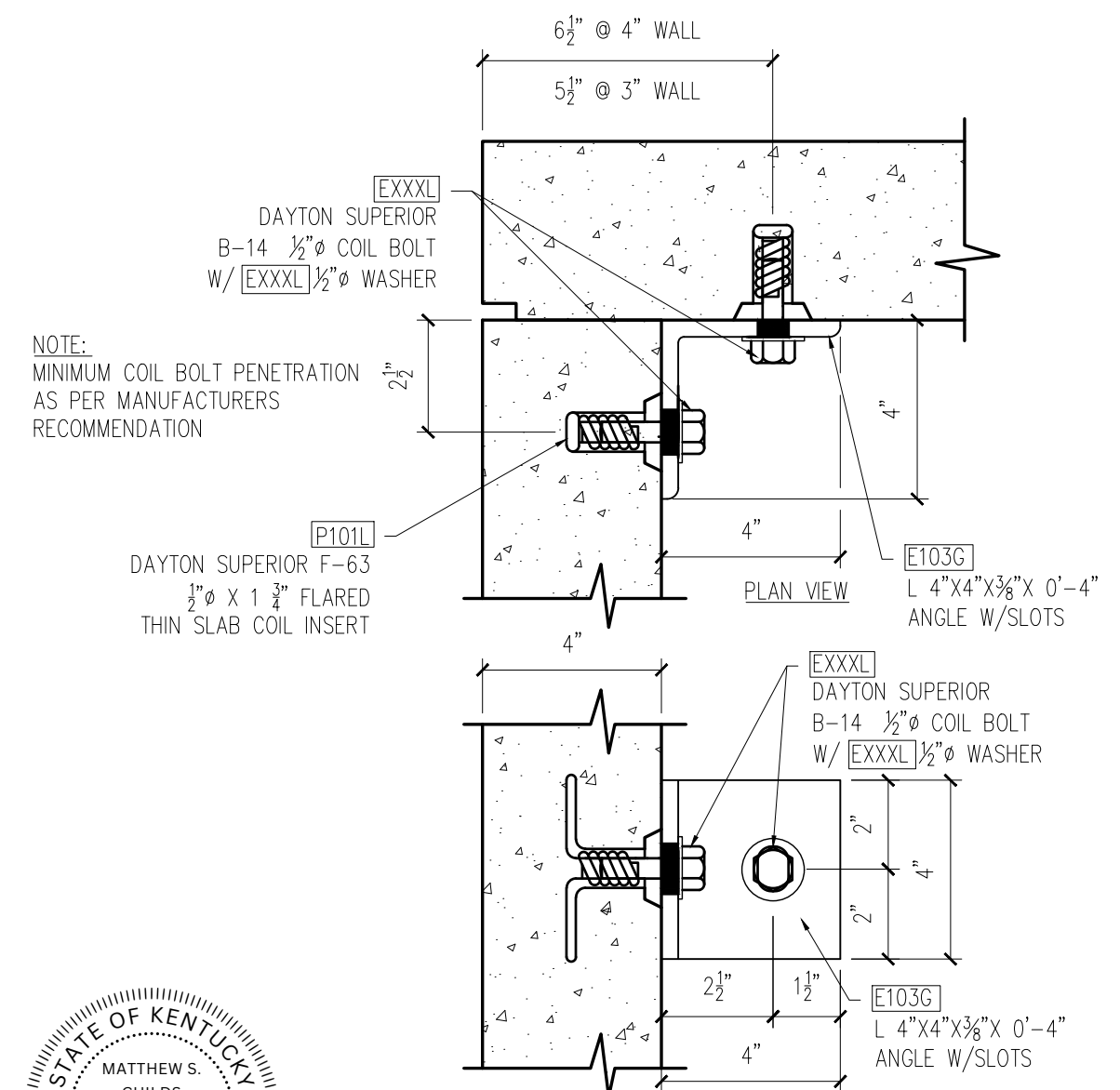
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WALL TO FLOOR CONNECTION (MID-SPAN)

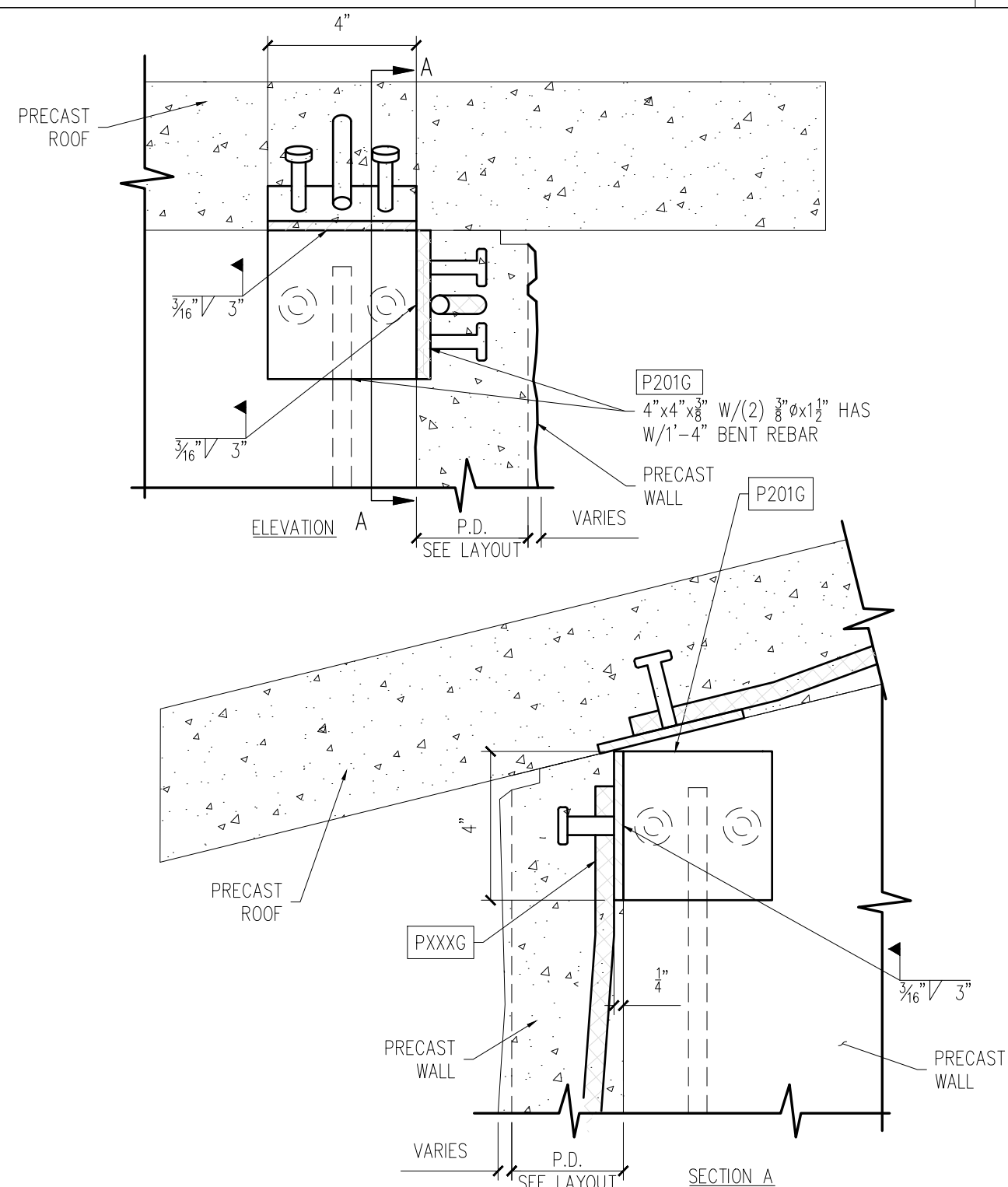
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# 25-3077 MONTGOMERY CO AIRPORT BUILDING CONNECTIONS



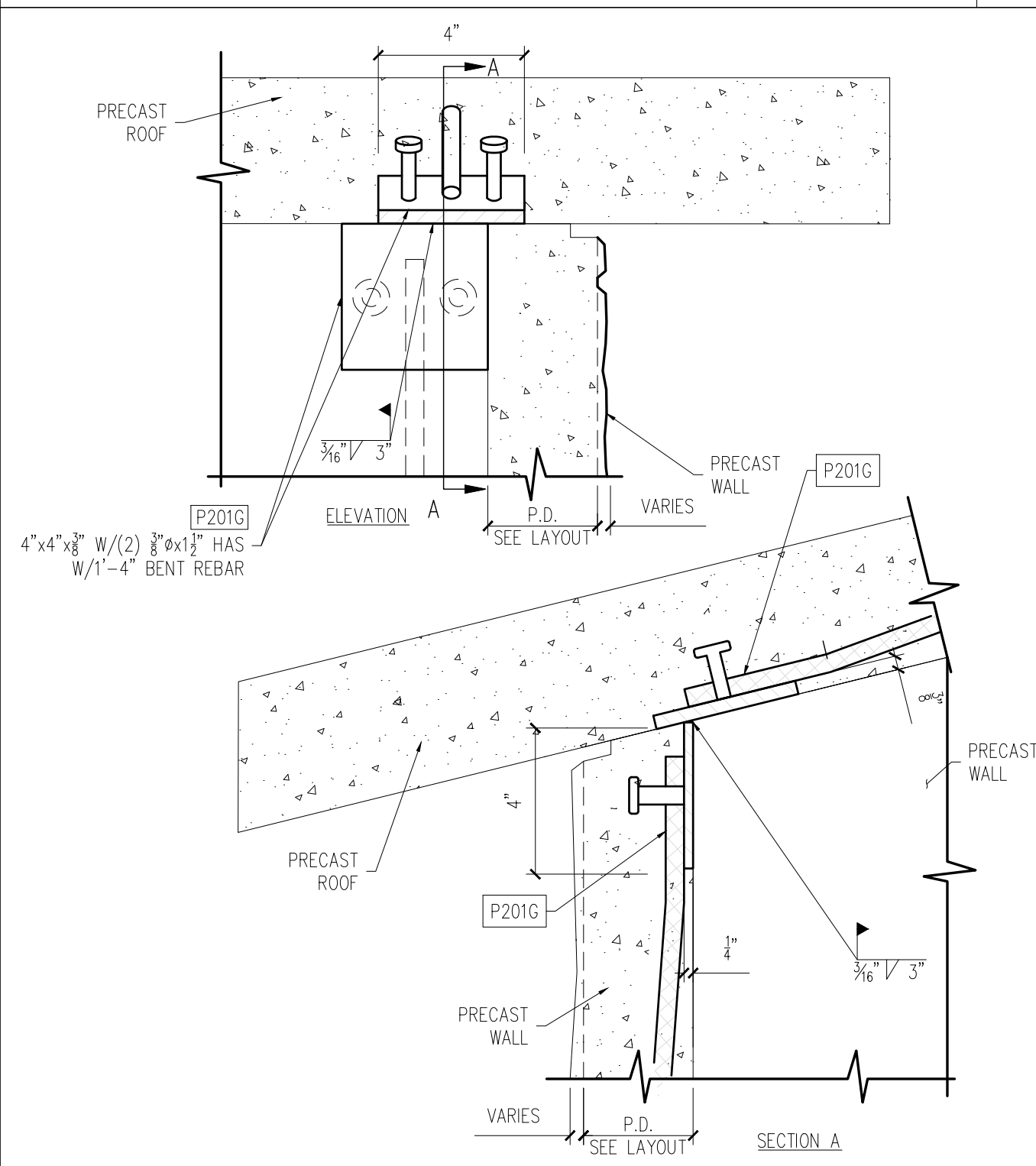
WALL TO WALL CONNECTION

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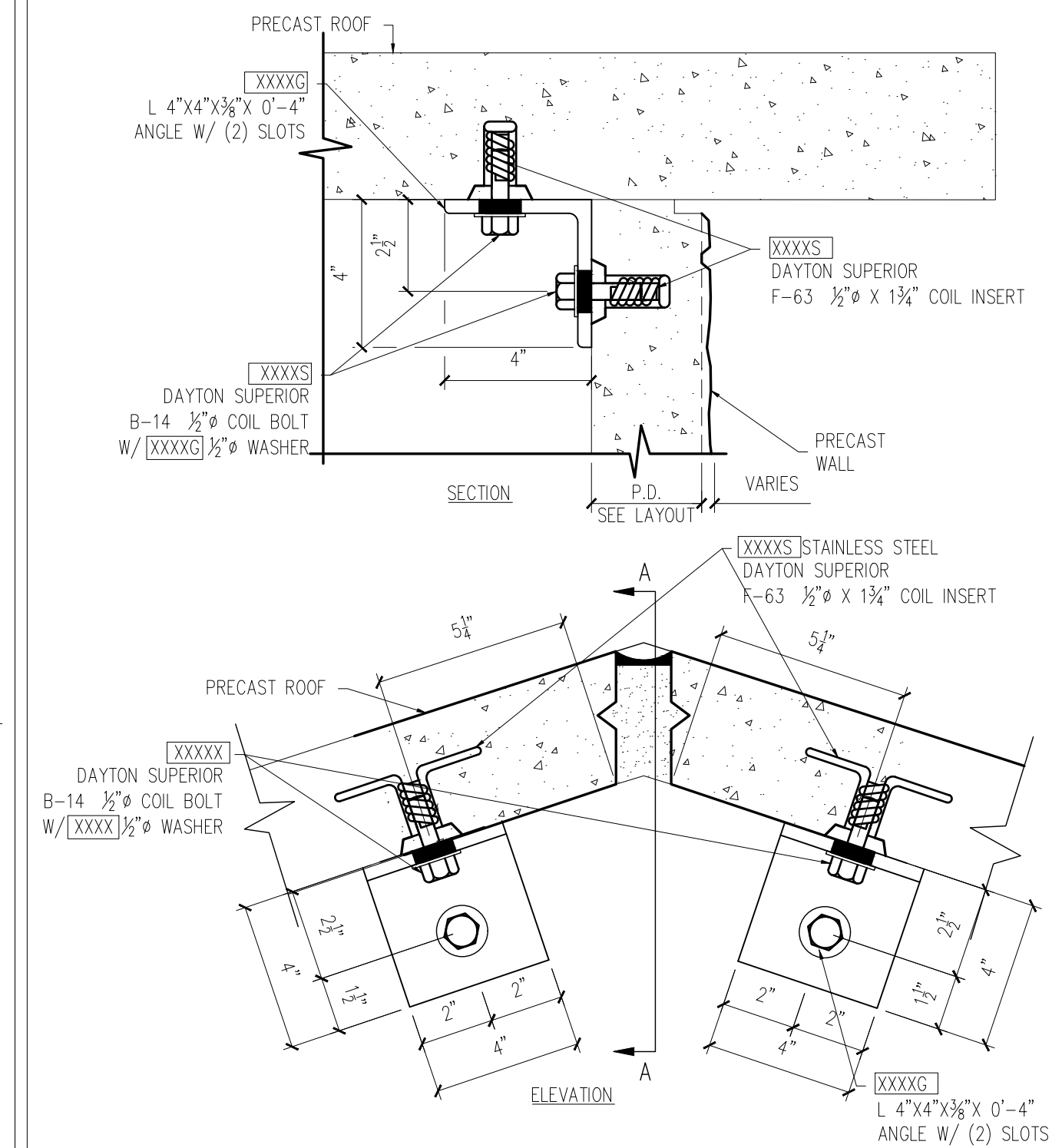
WALL TO ROOF CONNECTION

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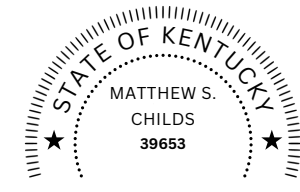


WALL TO ROOF CONNECTION (MID-SPAN)

5



6



| REV | DESCRIPTION | DATE |
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PROJECT: 10' X 12' X 7'-6" STANDARD  
EASI-SET GABLED BUILDING  
CONTRACTOR: INFRASTRUCTURE PRECAST

CONNECTION DETAILS (PRECAST FLOOR)

JOB #  
DRAWN BY JAD  
CHECK BY WCR  
ISSUE DATE 08.25.25  
SHEET E-04

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RECOMMENDED FOUNDATION REQUIREMENTS FOR EASI-SET TRANSPORTABLE PRECAST CONCRETE BUILDINGS

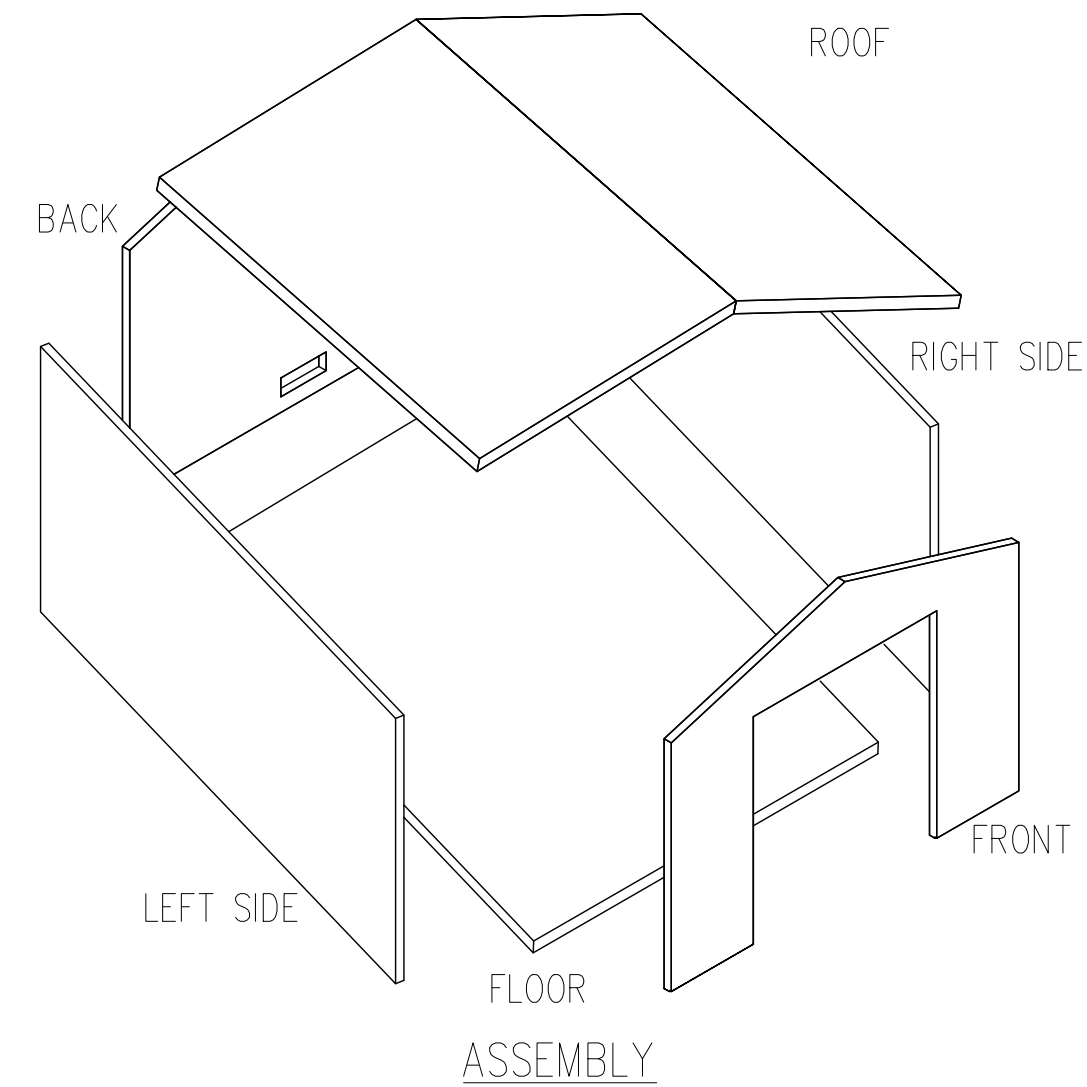
BUILDING DESIGN

EASI-SET TRANSPORTABLE PRECAST CONCRETE BUILDINGS HAVE BEEN DESIGNED TO ELIMINATE THE NEED FOR FOUNDATIONS OR FOOTINGS FOR VIRTUALLY ALL INSTALLATIONS. THE BUILT-IN FLOOR OF THE EASI-SET BUILDINGS IS DESIGNED FOR USE ON FLOATING FOUNDATIONS COMPRISED OF 4"-6" OF CRUSHED STONE OR SAND. THIS DESIGN, AND THE USE OF APPROPRIATE FLOATING FOUNDATIONS OF STONE OR SAND, HAVE PROVEN TO BE EFFECTIVE AND PROBLEM FREE IN THE FIELD FOR A WIDE VARIETY OF INSTALLATIONS. THE EFFECTIVENESS OF THE DESIGN HAS NOT BEEN ADVERSELY AFFECTED BY THE SIZE OF THE EASI-SET BUILDING.

CAVEATS

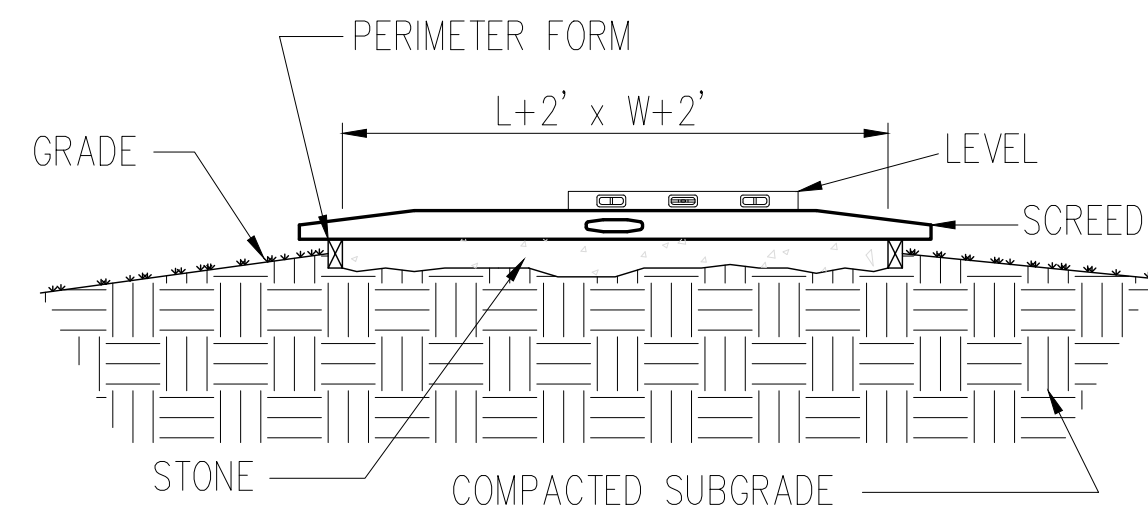
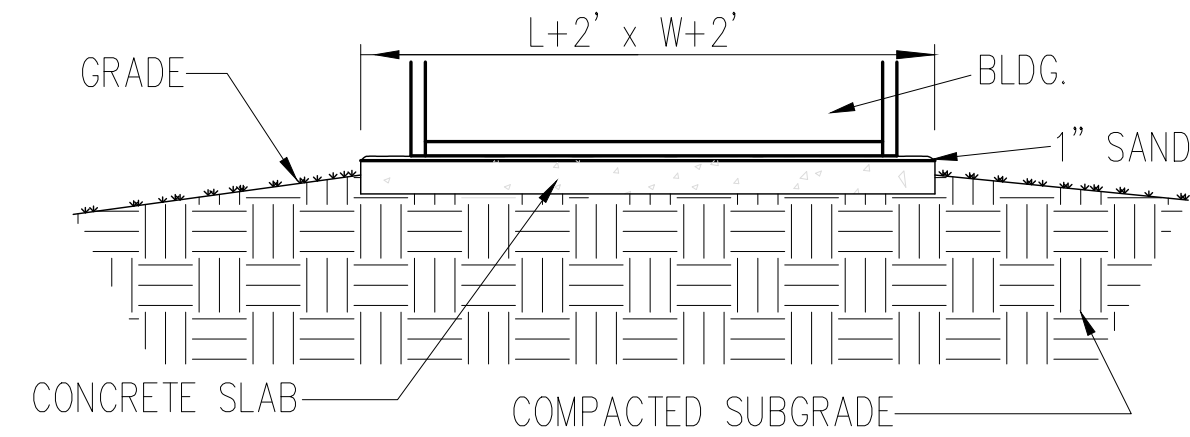
THE FLOATING FOUNDATION OF CRUSHED STONE OR SAND SHOULD BE PLACED ON A WELL-DRAINED AND GRADED AREA, TO PRECLUDE THE RETENTION OF STANDING WATER. ON A WELL-DRAINED AND PROPERLY GRADED SITE, ANY GROUND SWELL SHOULD BE MINIMAL AND LINEAR, WITH NO DAMAGE TO THE EASI-SET BUILDING OR ITS CONTENTS.

IT IS IMPORTANT TO NOTE THAT THE DESIGN OF AN EASI-SET BUILDING ENABLES THE TRANSPORTATION OF THE BUILDING, WHICH MAXIMIZES THE FLEXIBILITY AND LONG-TERM USEFULNESS OF THE STRUCTURE. FURTHERMORE, THE ELIMINATION OF FOUNDATIONS AND FOOTINGS MINIMIZES THE IMPACT ON, AND DAMAGE TO, THE ENVIRONMENT OF THE BUILDING SITE. THE USE OF STANDARD FOUNDATIONS OR FOOTINGS WOULD COUNTER SOME OF THE SIGNIFICANT BENEFITS, WHICH CAN BE ACHIEVED BY INSTALLING EASI-SET BUILDINGS. IN THOSE AREAS WHERE LOCAL BUILDING CODES MAY NOT ACCOMMODATE THE USE OF A FLOATING FOUNDATION FOR AN EASI-SET BUILDING, A VARIANCE TO SUCH CODES MAY BE AVAILABLE.



SITE PREPARATION REQUIREMENTS  
(MANUFACTURER'S RECOMMENDATION)

- A. EASI-SET BUILDING SHALL BEAR FULLY ON A CRUSHED STONE BASE THAT IS AT LEAST TWO FEET LARGER THAN THE LENGTH AND WIDTH OF BUILDING.
- B. STONE SHALL BE A MINIMUM OF 4" THICK DOWN TO FIRM SUBGRADE. THE VERTICAL SOIL CAPACITY UNDER STONE SHALL BE COMPACTED TO HAVE MINIMUM BEARING OF 1,500 POUNDS PER SQUARE FOOT. STONE SHALL BE 3/8" OR SMALLER AND MUST BE SCREEDED LEVEL WITHIN 1/4" IN BOTH DIRECTIONS. STONE SHALL BE PLACED WITHIN A PERIMETER FORM WITH FLAT AND LEVEL TOP EDGE FOR SCREEDING. FORMING MATERIAL SHALL REMAIN AROUND STONE UNTIL AFTER THE BUILDING IS SET.
- C. THE CRUSHED STONE BASE SHALL BE KEPT WITHIN THE CONFINES OF THE SOIL OR PERIMETER FORM. DO NOT ALLOW THE BASE TO BECOME UNCONFINED SO THAT IT MAY WASH, ERODE, OR OTHERWISE BE UNDERMINED.  
OR  
IF BUILDING IS PLACED ON PAVEMENT OR A CONCRETE SLAB, SUBSTRATE BELOW PAVEMENT OR SLAB MUST HAVE A VERTICAL SOIL CAPACITY OF 1,500 POUNDS PER SQUARE FOOT. PLACE STONE OR SAND TO 1" ABOVE HIGHEST POINT OF AREA WHERE BUILDING WILL BE PLACED AND AT LEAST 1'-0" WIDE ALL AROUND THE BUILDING FOOTPRINT. RETAIN STONE OR SAND WITH A PERIMETER FORM TO PREVENT THE MATERIAL FROM WASHING OUT.
- D. PROVIDE POSITIVE DRAINAGE FOR THE FILL, PAD, OR SLAB AS REQUIRED.



SITE PREPARATION  
SCALE: N.T.S.

ACCESS

A. CONTRACTOR MUST PROVIDE LEVEL UNOBSTRUCTED AREA LARGE ENOUGH FOR A CRANE AND A TRACTOR-TRAILER TO PARK ADJACENT TO THE PAD. CRANE MUST BE ABLE TO PLACE OUTRIGGERS WITHIN 5'-0" OF EDGE OF PAD AND TRUCK AND CRANE MUST BE ABLE TO GET SIDE BY SIDE UNDER THEIR OWN POWER. NO OVERHEAD LINES MAY BE WITHIN 75' RADIUS OF CENTER OF PAD. A MINIMUM OF 24" CLEARANCE IS REQUIRED BETWEEN THIS BUILDING AND ADJACENT BUILDINGS.

**25-3077**  
**MONTGOMERY CO AIRPORT BUILDING**  
**CONNECTIONS**



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PROJECT: 10' X 12' X 7'-6" STANDARD  
EASI-SET GABLED BUILDING  
CONTRACTOR: INFRASTRUCTURE PRECAST

|                        |
|------------------------|
| SITE PREPARATION       |
| JOB #                  |
| DRAWN BY<br>JAD        |
| CHECK BY<br>WCR        |
| ISSUE DATE<br>08.25.25 |
| SHEET<br>E-05          |

DRAWING PACKAGE NUMBER: G101208S

10' X 12' X 7'-6" STANDARD

EASI-SET GABLED BUILDING

CUSTOMER: R.F. COOK ELECTRICAL COMPANY

PROJECT: MONTGOMERY COUNTY AIRPORT, MT. STERLING, KY

PRODUCER: INFRASTRUCTURE PRECAST

25-3077  
MONTGOMERY CO AIRPORT BUILDING

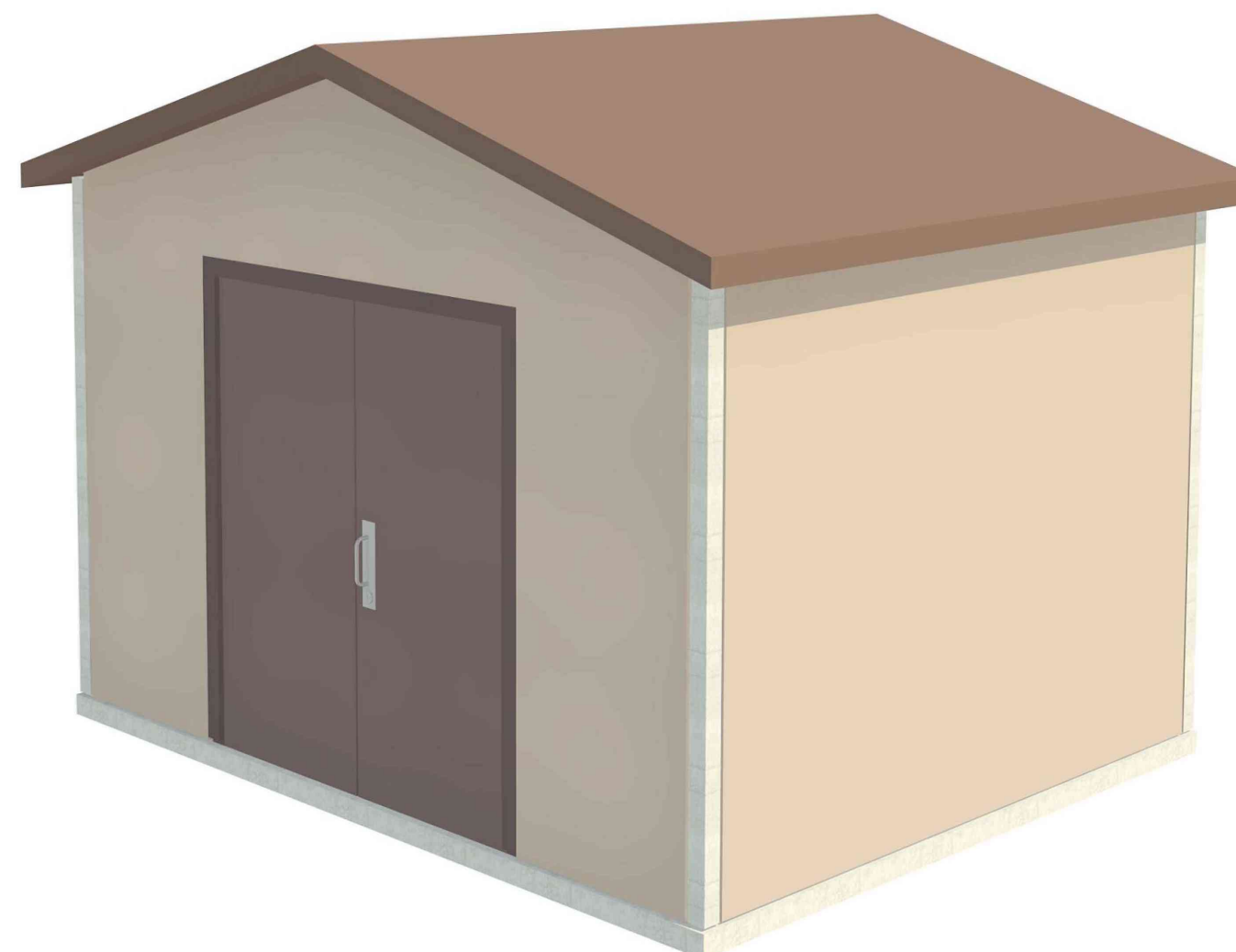
PREPARED FOR:



PRODUCTION DRAWINGS

GENERAL NOTES:

1. THE DOCUMENTS CONTAINED IN THIS PACKAGE ARE TO BE USED BY THE LICENSED PRODUCER FOR PRODUCTION ONLY AND NOT INTENDED TO BE SUBMITTED FOR APPROVAL BY THE CLIENT UNLESS SPECIAL CIRCUMSTANCES DICTATE
2. EACH LICENSED PRODUCER HAS AN OBLIGATION TO PROTECT THE MEANS AND METHODS CONTAINED HEREIN BY NOT MAKING THESE DETAILS AVAILABLE TO CLIENTS UNLESS APPROVED BY EASI-SET
3. THIS PACKAGE CONTAINS INFORMATION THAT IS PRIVILEGED AND CONFIDENTIAL AND IS NOT INTENDED TO REPLACE THE "DUE DILIGENCE" REQUIRED OF THE LICENSED CONTRACT HOLDER.
4. REINFORCEMENT SUBSTITUTION IS PERMITTED AT THE PRODUCERS DISCRETION PROVIDED EQUIVALENT STEEL IS MAINTAINED.
5. REINFORCEMENT CLEARANCES SHOWN ARE FOR BRICK IMPRINT FINISH. OTHER FINISHES MAY REQUIRE DIFFERENT CLEARANCES.
6. THE SHOP TICKETS PROVIDED SHOW THE EXTERIOR FINISH CAST FACE UP (EXCEPT THE FLOOR AND ROOF PANEL)
7. TO ENSURE SQUARENESS, CHECK DIAGONALS.
8. THERE ARE NO IMPLIED WARRANTIES OR GUARANTEES.



**BUILDING STAIN COLORS:**

DOOR, DOOR FRAME, AND ROOF: DARK BRONZETONE HGSW2501

WALLS - GROUT JOINTS: ECRU HGSW3196

WALLS - BRICK COLOR: CUSTOM MATCH - SEE BELOW



Brick color

LEGEND

(X) DENOTES SECTION/DETAIL NO.

ABBREVIATIONS:

- CLR = CLEAR
- P.D. = PANEL DIMENSION
- R.O. = ROUGH OPENING
- TYP. = TYPICAL
- B.I.F. = BOTTOM IN FORM
- T.I.F. = TOP IN FORM
- S.I.F. = SIDE IN FORM
- C.O.= CUT OUT (MESH)

PRODUCTION DRAWING INDEX

| DWG     | SHEET TITLE             | REVISION NO. | DATE     |
|---------|-------------------------|--------------|----------|
| P-01    | COVERSHEET              |              | 10.19.25 |
| P-02    | STRESSING PROCEDURES    |              | 10.19.25 |
| P-03    | SHIPPING/HANDLING GUIDE |              | 10.19.25 |
| BFIG-10 | FLOOR PANEL TICKET      |              | 10.19.25 |
| BFRG-12 | FRONT WALL TICKET       |              | 10.19.25 |
| BSDG-10 | SIDE WALL TICKET        |              | 10.19.25 |
| BKPG-12 | BACK WALL TICKET        |              | 10.19.25 |
| BRFG-10 | ROOF PANEL TICKET       |              | 10.19.25 |

BILL OF MATERIALS-MASTER LIST

| MARK NO. | DESCRIPTION                           | QTY |
|----------|---------------------------------------|-----|
| P101L    | 1/2" x 1 1/4" F-63 COIL INSERT        | 38  |
| P102G    | P-4 LIFTING ANGLE                     | 4   |
| P103G    | 2-TON TECH ERECTION ANCHOR            | 14  |
| P104P    | U-5 POST TENSION ANCHOR               | 6   |
| P105P    | 4 3/4" x 1'-4 3/4" FL-164 SUN VENT    | 2   |
| P106G    | 2-TON PLATE ANCHOR                    | 8   |
| P201G    | 4"x4"x 3/8"W/(2) 3/8" x 1 1/2" H.A.S. | 12  |
| P9000P   | 6'-0" X 6'-8" 3" DOOR FRAME           | 1   |

L = ELECTROPLATED FINISH G = GALVANIZED FINISH  
P = PLAIN (MANUFACTURER) FINISH R = RED OXIDE FINISH  
S = STAINLESS STEEL

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PROJECT: 10' X 12' X 7'-6" STANDARD  
 EASI-SET GABLED BUILDING  
 CONTRACTOR: INFRASTRUCTURE PRECAST

COVERSHEET

SCALE NTS

DRAWN BY JAD

CHECK BY WCR

ISSUE DATE 10.19.25

SHEET P-01

# 25-3077 MONTGOMERY CO AIRPORT BUILDING STRESSING PROCEDURES

## STRESSING PROCEDURES For Roofs and Floors – Model G101208S

1. Remove form rails. Verify concrete strength with Schmidt Hammer or cylinder breaks. Concrete shall be a minimum of 3,750 PSI before cable can be stressed.
2. Remove recessed plastic pocket-formers at the post-tensioning anchor.
3. Remove the plastic sheath from the strand all the way from the base of the anchor to the end of the strand. Clean off grease from exposed portion of cable. Use a suitable solvent. Never heat or use flame on the cable.
4. Insure that the tapered holes in the anchors are cleaned and free of any debris or cement paste, which might interfere with proper wedge seating.
5. Install wedge sets around the strand at each anchor. Press the wedges in with the fingers evenly. Then, using a hand wedge setter, engage the wedges securely so that the stress will be evenly distributed over the wires of the strand.
6. Slide the stressing jack over the cable and place against the wedges installed in the cast-in anchors (see details A & B).
7. Using manufacturer recommendations, properly secure the stressing jack to the strand.
9. Standing back from the system, engage the jack to stress the strands until the pump pressure gauge corresponds to 33 K required tension on the 1/2" cable and note the elongation achieved. Whenever stressing, be sure to observe safety precautions and operator positioning in anticipation of unexpected failures.  
NOTE: Force in the tendons shall always be measured by gauge readings and verified by elongation. Compare the elongation noted during stressing to the theoretical (calculated) elongation to ensure proper pull (tension) is reached. Refer to industry manuals (PCI) for the proper methods of calculating elongation.
10. Release pump pressure slowly and remove the jacking system and temporary stressing anchor. Your post release tension on the cable will be 28.5 K.
11. Cut off strand tails at 1" from the wedge and pack the holes with permanent grout. Repeat procedure for other end of cable

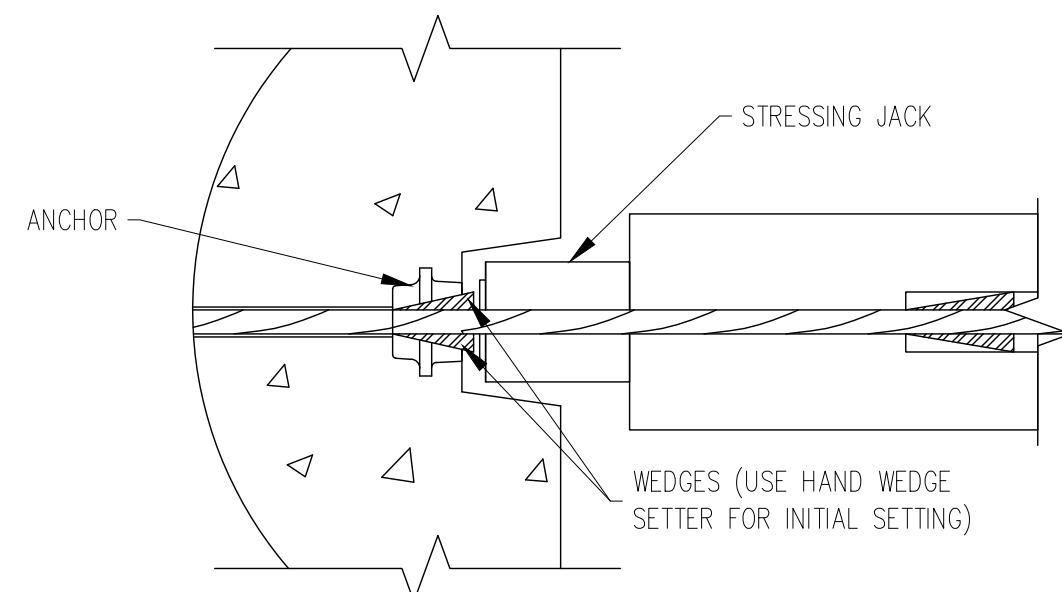
## SAFETY INSTRUCTIONS:

NOTE: Stressing units are calibrated against load cells to determine the gauge pressures for a particular unit which will produce the desired engineering force. Gauge pressure versus actual load calibration should be checked every six months against a load cell. Never use equipment which has not been tested in the last 6 months. The Quality Control Department has the responsibility to insure the stressing unit is calibrated semi-annually. Refer to manufacturer for calibration charts specifically relating to the particular unit (stressing jack).

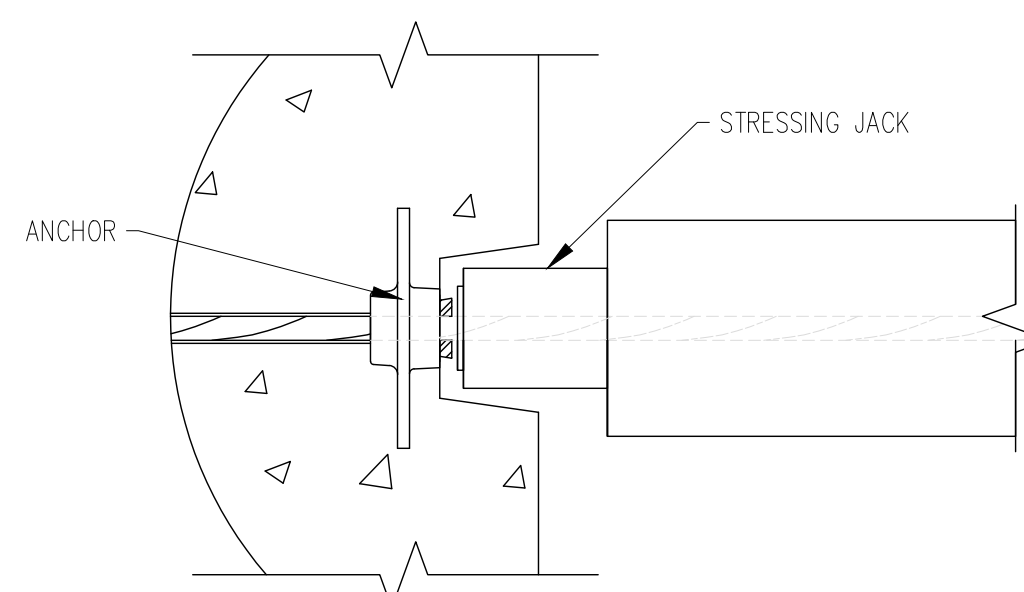
### ROOF AND FLOOR POST-TENSIONING Stressing System Safety Instructions:

This equipment is designed and built to provide safety during equipment operation. It must be operated and maintained by personnel who are trained in and follow safe procedures. Since the forces involved in tendon stressing are in the order of 33 to 46 kips, it is obvious that failure from any cause could be damaging to personnel and property. Accordingly, stressing equipment operators are expected to observe all applicable safety precautions including the following but not limited to:

1. Before activating the pump, visually check all elastomeric tubing for nicks, cracks, or other damage and repair or replace if required.
2. See that all tubing joints are tightly connected.
3. Be sure that pump is supported in a stable manner and positioned to avoid strain on connection lines.
4. Be sure that protective dunnage and appropriate safety barriers are erected to protect the operator and any others in the area.
5. Observe the gauge pressure that will develop the required tensile force as marked on the tag attached to the pump. Locate this reading on gauge face.
6. Be certain that tensioning twin-rams are positively engaged and correctly aligned.
7. Activate pump and observe gauge. If pressure does not build up promptly, check system for leakage and make sure that anchors and wedges on both ends of the POLYSTRAND® tendons are properly engaged. After an initial tension on the strand (5K), stop and check for alignment. Make sure that the strand is at the top of the slot provided in the tension jack cylinder connector plates.
8. Continue pumping until final pressure/force is attained. When stressing long tendons, multiple strokes and resetting the temporary anchor will be required. – CAUTION – pressure will build extremely fast if rams are fully extended. Monitor ram extension and gauge readings continuously.
9. When the correct force has been applied to the tendon, stop the pump motor and release the pressure on the pack by opening the hydraulic valve.
10. Use care in moving and storing equipment to insure that gauge and tubing are not damaged.
11. Observe site rules pertaining to frequency of gauge calibration.



A



B

| DATE | DESCRIPTION | INI. | REV. |
|------|-------------|------|------|
|      |             |      | 1    |
|      |             |      | 2    |
|      |             |      | 3    |
|      |             |      | 4    |
|      |             |      | 5    |

PROJECT: 10' X 12' X 7'-6" STANDARD  
EASI-SET GABLED BUILDING  
CONTRACTOR: INFRASTRUCTURE PRECAST

STRESSING PROCEDURES

SCALE NTS

DRAWN BY JAD

CHECK BY WCR

ISSUE DATE 10.19.25

SHEET P-02

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**PT Check for Roof Panels/ (PCI MNL - 116)**

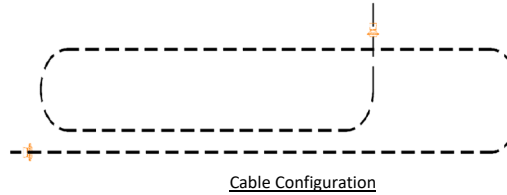
Material Data

- (7) Wire lo-lax Strand - ASTM A416
- Φps = 0.500 in,
- A = 0.153 in<sup>2</sup>
- E = 28500000 psi
- fpu = 270 ksi
- Strand Length = 492 in

Assume (Info supplied by strand manufacturer)

- k = 0.0007 Wobble Friction Coeff.
- μ = 0.05 Curvature friction coeff. (Initial tension of 3,000 lbs)

Strand is to be stressed 70% of ultimate  
 = 28917 lbs



Adjustments to tensioning

- 1) Dead end anchor wedge seating loss  
 ~ Expected to be 1/8 in
- 2) Live end anchor wedge seating loss  
 ~ Expected to be 1/8 in, recommend over pull 1/8"
- 3) Elastic Shortening  
 Neglect for this pnl
- 4) Friction Loss  
 Additional force to overcome frictional forces between strand and sheathing

# 25-3077 MONTGOMERY CO AIRPORT BUILDING STRESSING PROCEDURES

Tensioning Computations

Basic Elongation = 
$$\frac{\text{(Force required beyond initial tension) (Length of strand between anchorages)}}{\text{(Area of strand) (Modulus of Elasticity)}}$$

= 2.92 in

Adjustments

- a) Dead end anchor wedge seating: Add 1/8" to elong. No force adjustment req'd  
 Add 1/8 in
  - b) Live end seating: over pull by 1/8"  
 1/8 in
- Force adjustment t = 1108 lbs lbs      α = curvature = π(2.5)      7.85 radians
- c) Friction losses 
$$\frac{PD}{PS} = e^{-(kL + \mu\alpha)}$$
- = 0.656
- Avg. strand force = 0.828      17.19% Loss

Recommend sequential jacking at both ends of the tendon be used to reduce the overstressing the strand at the live end

Friction loss at mid-point of tendon

$$\frac{PD}{PS} = e^{-\frac{(kL + \mu\alpha)}{2}}$$

= 0.810

Avg. strand force over half of tendon = 0.905      9.50% Loss

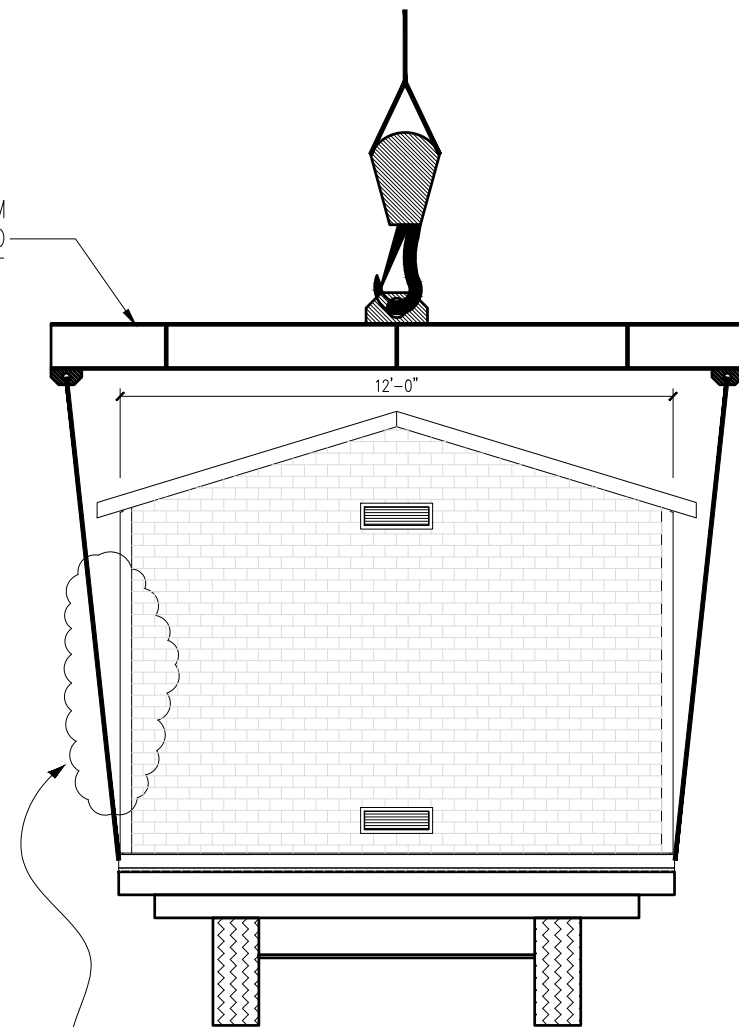
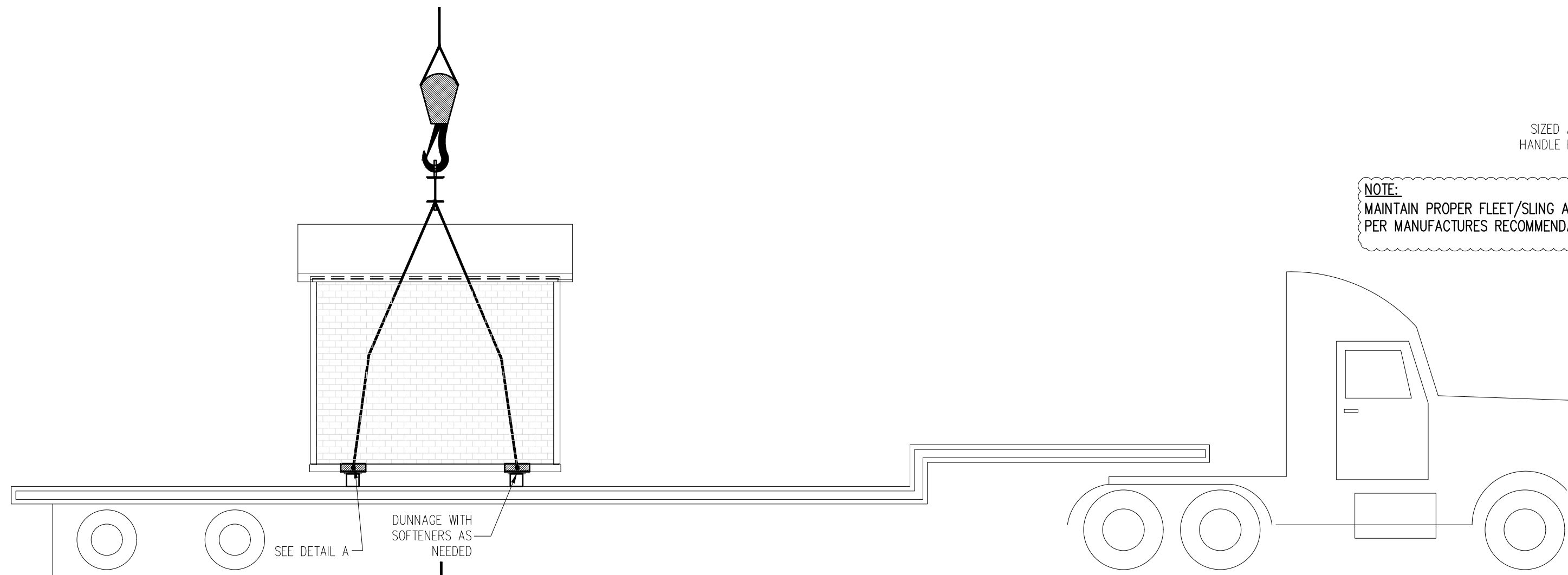
Total force and elongation at live end must be increased to compensate for friction losses

- Elong. Adjustment = 0.278 in
- Force Adjustment = 2747 lbs
- Total Force Required = 32772 lbs OK

Elongation Summary:

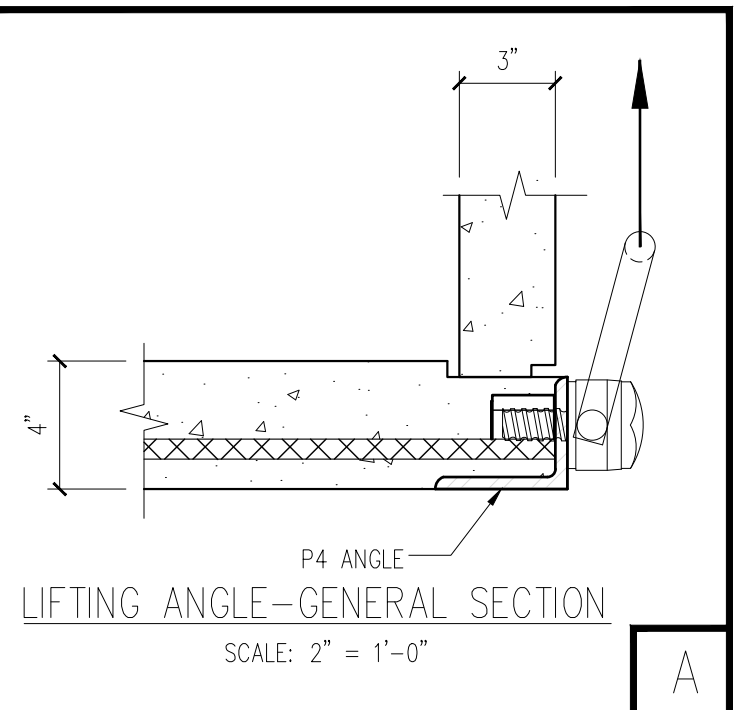
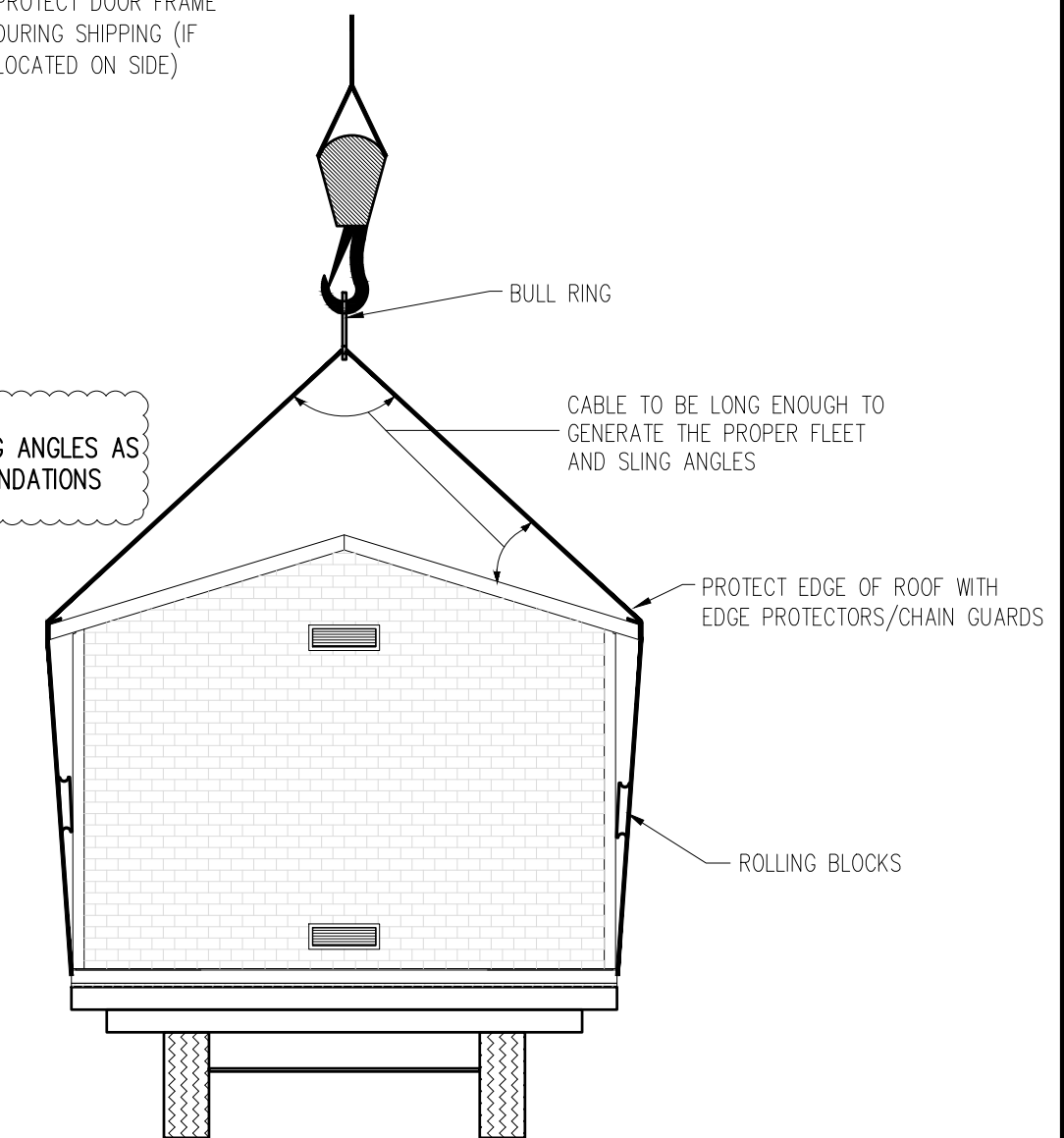
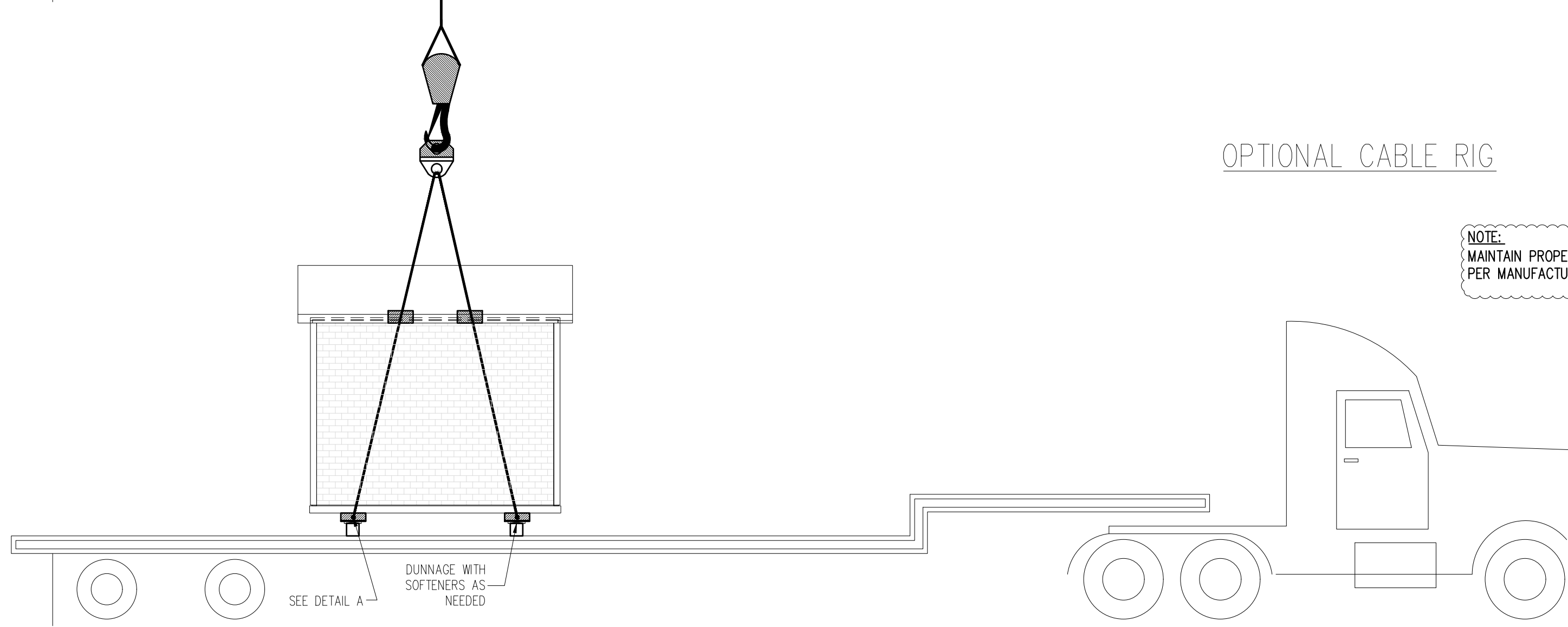
| Gross Theoretical Elongation |                       |
|------------------------------|-----------------------|
| Basic Elongation             | 2.92 in               |
| Dead End Seating Loss        | 0.125 in              |
| Live End Seating Loss        | 0.125 in              |
| Friction Losses              | 0.278 in              |
| <b>Total Elongation</b>      | <b>3.45 in</b>        |
| Rounded                      | 3 7/16 in             |
| Tolerance limits -5.0%       | 3.28 in    3 4/16 in  |
| +5.0%                        | 3.62 in    3 10/16 in |

# 25-3077 MONTGOMERY CO AIRPORT BUILDING LOADING



PROTECT DOOR FRAME  
DURING SHIPPING (IF  
LOCATED ON SIDE)

## OPTIONAL CABLE RIG



### NOTES:

1. THIS GUIDE IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT A SUBSTITUTE FOR CODE REQUIREMENTS AND ENGINEERING PRUDENCE.
2. THIS GUIDE IS NOT TO BE MISCONSTRUED OR IMPLY ANY LIABILITIES OR WARRANTIES.
3. MAINTAIN PROPER SLING ANGLES, RIGGING PRACTICES AND TECHNIQUES AS PER MANUFACTURERS RECOMMENDATIONS

| PANEL                  | WEIGHT (LBS)  |
|------------------------|---------------|
| FLOOR PANEL (BFPG-10)  | 6,075         |
| FRONT WALL (BFRG-12)   | 2,200         |
| BACK WALL (BKPG-12)    | 3,700         |
| SIDE WALL (BSDG-10)    | 2,700         |
| SIDE WALL (BSDG-10)    | 2,700         |
| ROOF PANEL (BRFG-10)   | 3,700         |
| ROOF PANEL (BRFG-10)   | 3,700         |
| <b>TOTAL NET BLDG:</b> | <b>24,775</b> |
| (PRECAST ONLY)         |               |

| DATE | DESCRIPTION | INI. | REV. |
|------|-------------|------|------|
|      |             |      | 1    |
|      |             |      | 2    |
|      |             |      | 3    |
|      |             |      | 4    |
|      |             |      | 5    |

PROJECT: 10' X 12' X 7'-6" STANDARD  
EASI-SET CABLED BUILDING  
CONTRACTOR: INFRASTRUCTURE PRECAST

SHIPPING AND  
HANDLING  
GUIDE

SCALE  
NTS

DRAWN BY  
JAD

CHECK BY  
WCR

ISSUE DATE  
10.19.25

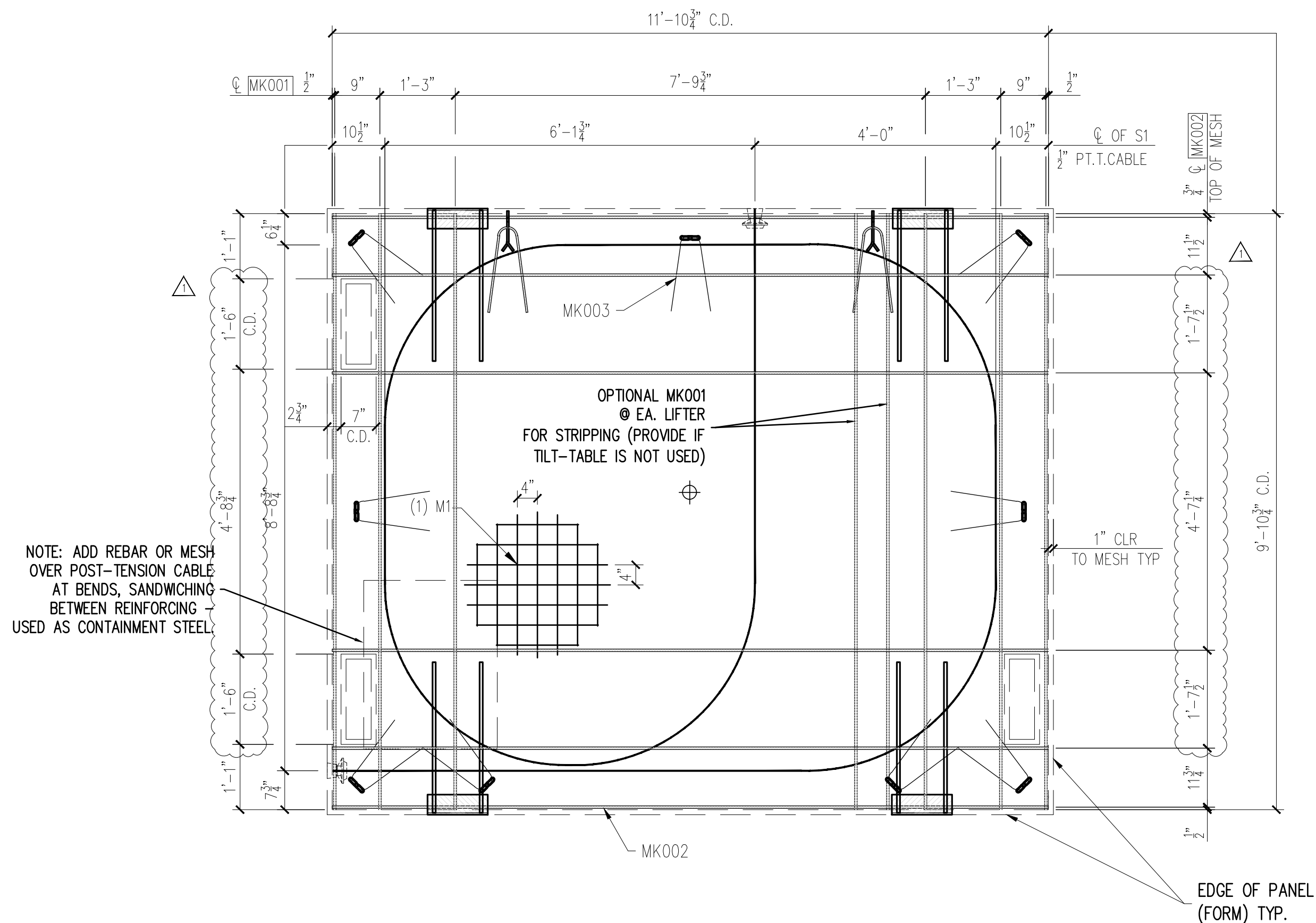
SHEET  
P-03

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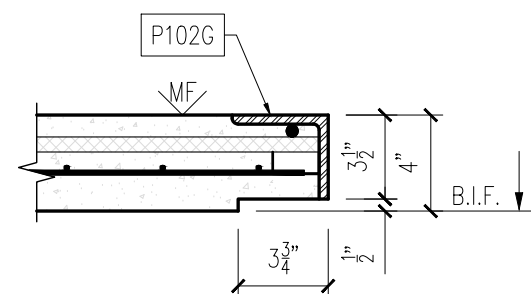
25-3077  
 MONTGOMERY CO AIRPORT BUILDING  
 PRODUCT ID - CVBS  
 FLOOR - BFPG-10  
 WEIGHT - 6,075 LBS EACH  
 1 REQUIRED

SHOP NOTE:  
 DIMENSIONS PROVIDED ARE PULLED FROM EDGE OF  
 CAGE TO CENTERLINE OF REBAR AND TO CENTER  
 OF REBAR TO CENTER OF REBAR



NOTE: ADD REBAR OR MESH  
 OVER POST-TENSION CABLE  
 AT BENDS, SANDWICHING  
 BETWEEN REINFORCING  
 USED AS CONTAINMENT STEEL

FLOOR REINFORCING VIEW  
 SCALE: 1/2" = 1'-0"



6

MESSAGE CENTER

- REFER TO DETAILS FOR REINFORCEMENT/CABLE PLACEMENT
- SUPPLEMENTAL STEEL FOR STRIPPING AND HANDLING MAY BE ADDED AS REQUIRED.

CHECKED BY: DATE:  
 APPROVED BY: DATE:

| REINFORCING SCHEDULE |                               |     |
|----------------------|-------------------------------|-----|
| MARK #               | DESCRIPTION                   | QTY |
| MK001                | #3 X 9'-10"                   | 6   |
| MK002                | #3 X 11'-10"                  | 6   |
| MK003                | #3 X 3'-0"                    | 11  |
|                      |                               |     |
| MESH SCHEDULE        |                               |     |
| MARK #               | DESCRIPTION                   | QTY |
| S1                   | 1/2" X 50'-5" LONG P.T. CABLE | 1   |

| MESH SCHEDULE |  |     |
|---------------|--|-----|
| MARK #        | DESCRIPTION                              | QTY |
| M1            | W4XW4 4"X4" WWF 9'-10 3/4" X 11'-10 3/4" | 1   |

NOTES:

- TRIM PLASTIC SHEATH AT BOTH ENDS OF THE PT CABLE TO FIT BETWEEN U-5 ANCHOR PLATES
- CONSTRUCT REBAR-MESH CAGE ACCORDING TO THE DRAWINGS. SECURE LIFTING APPARATUS TO FORM AND ADD PROPER REINFORCEMENT. PLACE REBAR-MESH CAGE AND HAIRPINS AT INSERTS WITH PROPER CLEARANCES (PER DRAWINGS).
- PLACE AND SECURE PT CABLE AS INDICATED ON THE DRAWINGS (REINFORCING VIEW)

|                     |                             |
|---------------------|-----------------------------|
| PRODUCT BUILDING    | SALES ORDER NUMBER STANDARD |
| SHEET NUMBER 2 OF 2 | NUMBER REQUIRED 1           |

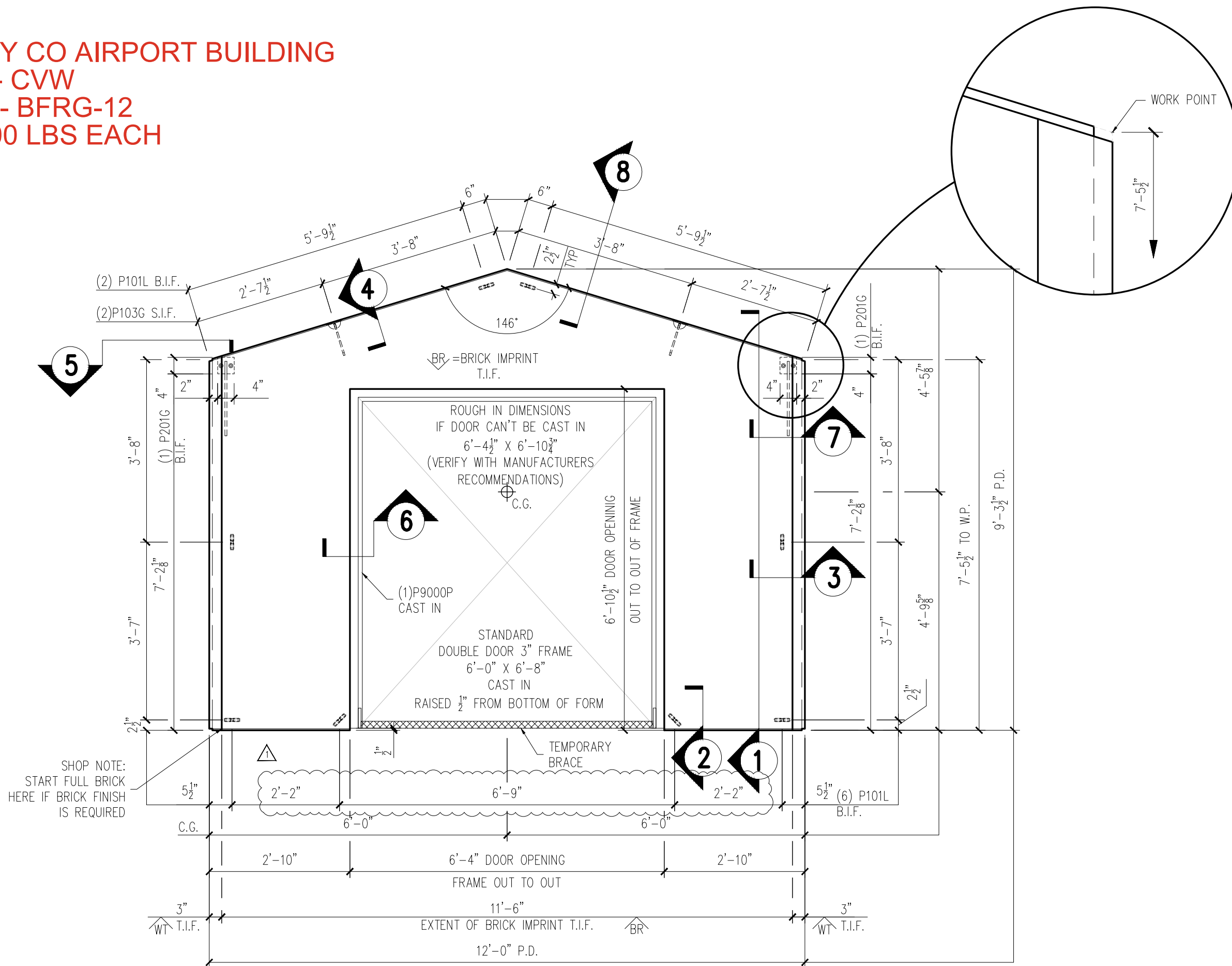
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|---|--|-----|
| 11.05.25 <td>REVISED OPENING DIMENSION <td>WCR</td> </td> | REVISED OPENING DIMENSION <td>WCR</td> | WCR |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |

PROJECT: STANDARD 10' GABLED FLOOR  
 10X12 GABLED BUILDING  
 CONTRACTOR: INFRASTRUCTURE PRECAST

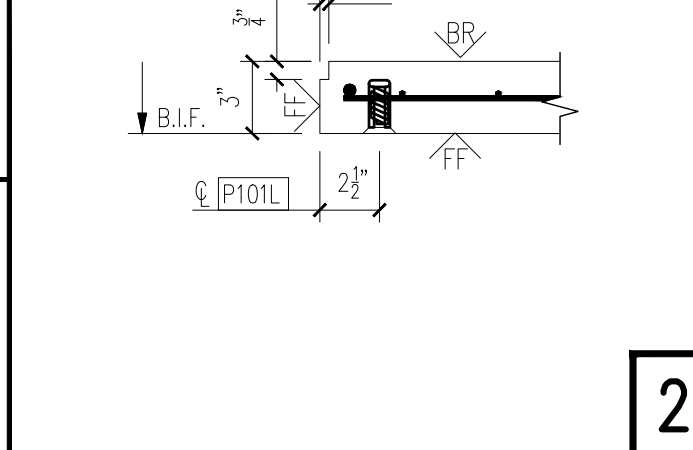
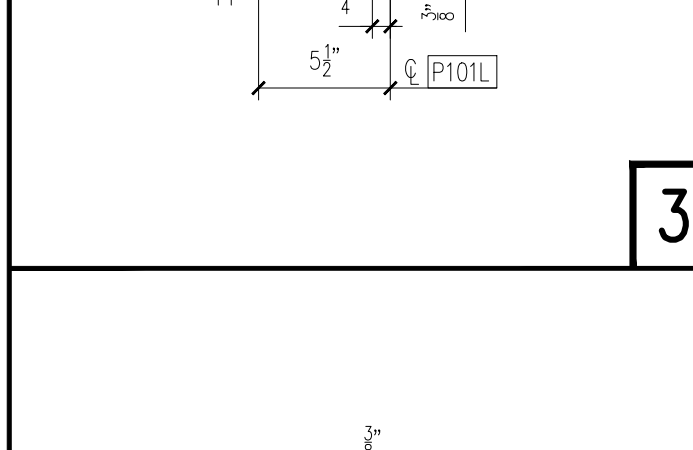
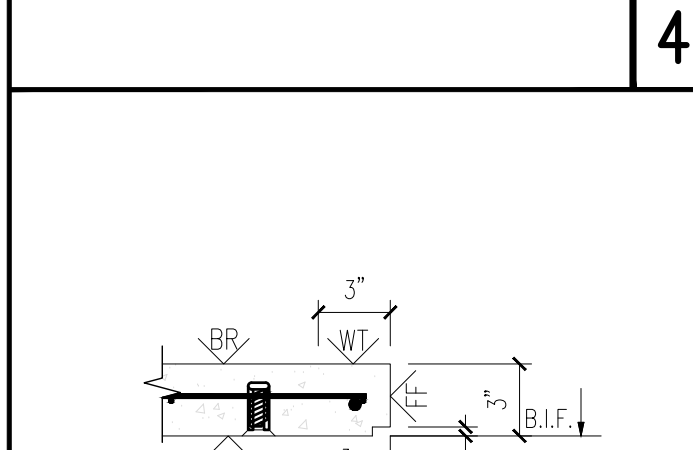
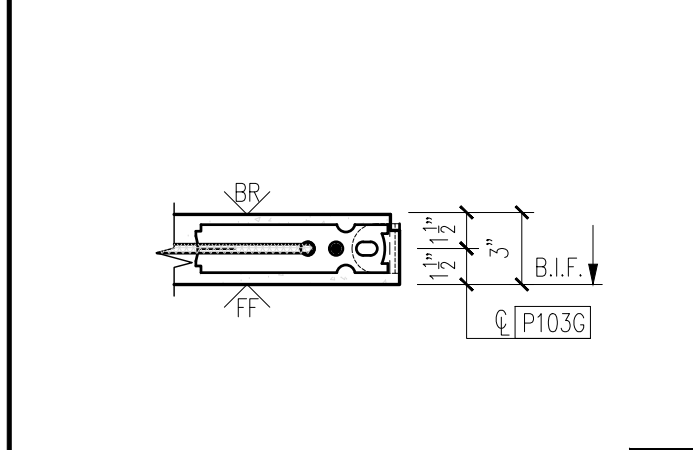
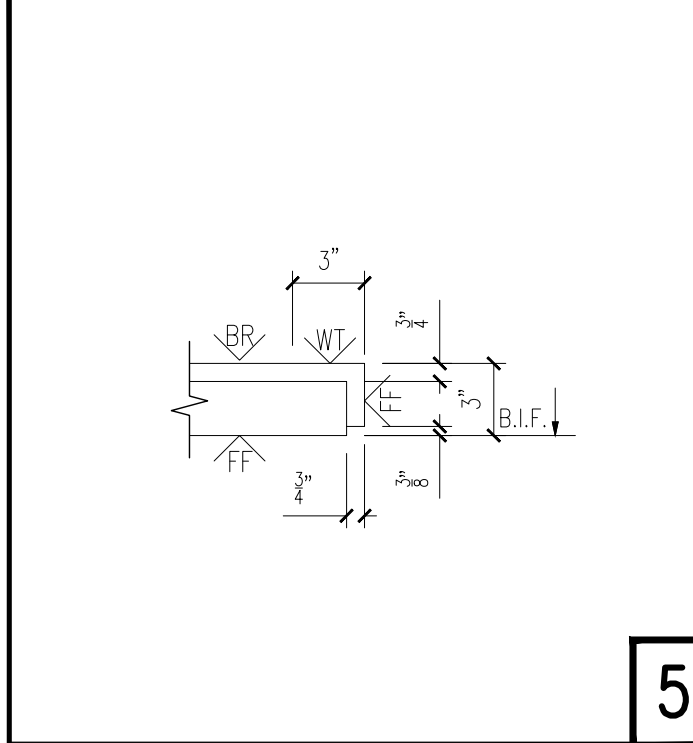
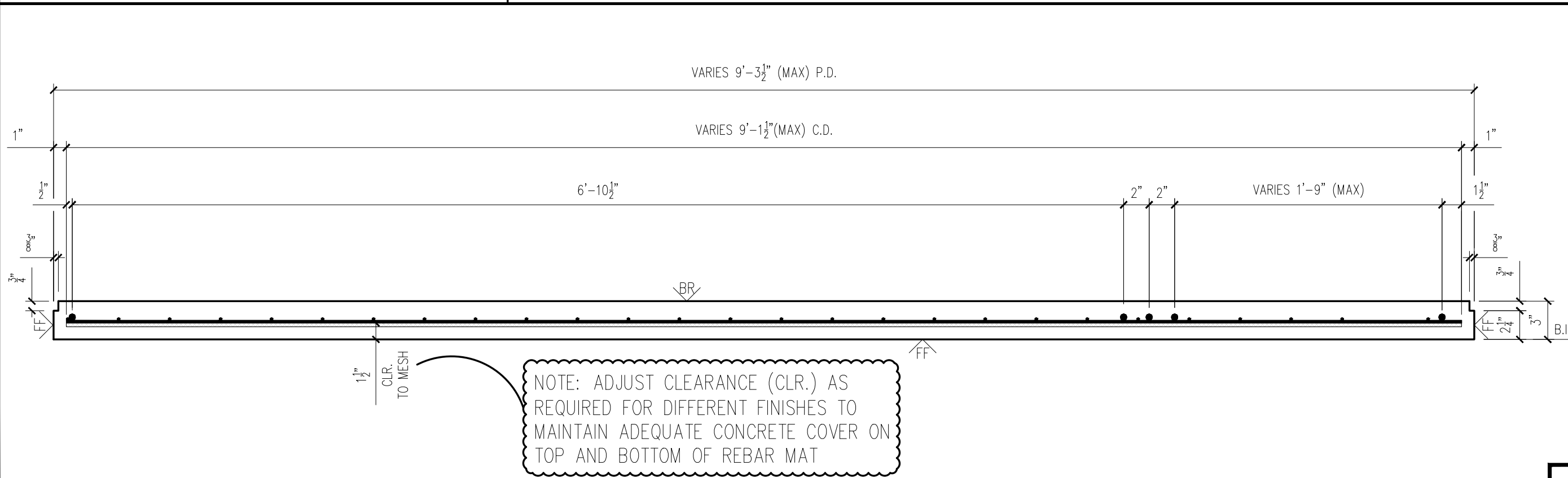
|                     |
|---------------------|
| SCALE NTS           |
| DRAWN BY WCR        |
| CHECK BY JAD        |
| ISSUE DATE 10.15.25 |
| PIECE MARK BFPG-10  |

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25-3077  
 MONTGOMERY CO AIRPORT BUILDING  
 PRODUCT ID - CVW  
 FRONT WALL - BFRG-12  
 WEIGHT - 2,200 LBS EACH  
 1 REQUIRED



NOTES:  
 1. PROTECT FRAME DURING CASTING W/TAPE OR PROTECTIVE COVERING  
 2. DOUBLE DOOR SHOWN-TEMPORARY BRACE MADE FROM PIPE/REBAR WITH TABS WELDED AT EACH END FOR BOLTING TO DOOR FRAME BY PLACING PLASTIC INSERTS ON INSIDE OF FRAME CHANNEL.



MESSAGE CENTER

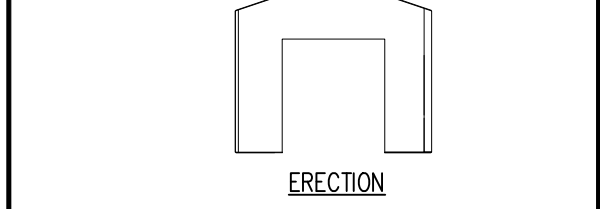
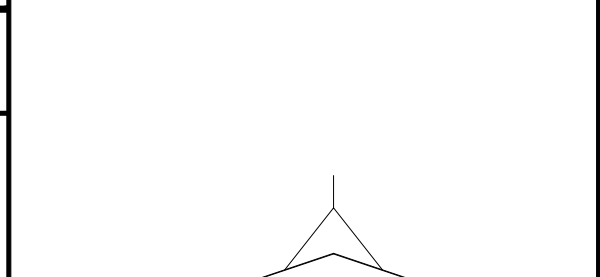
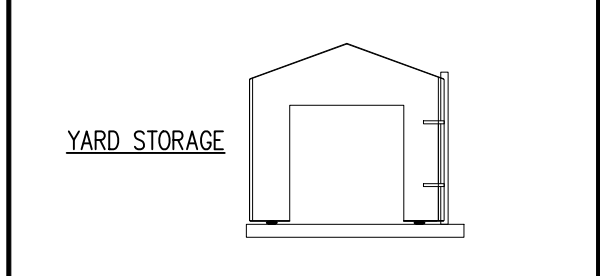
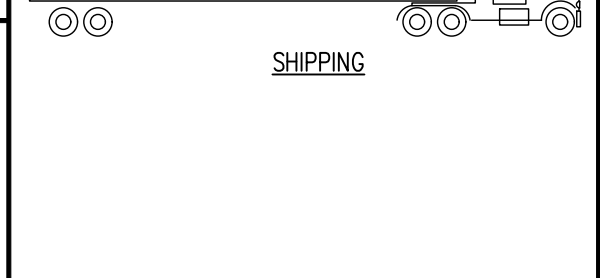
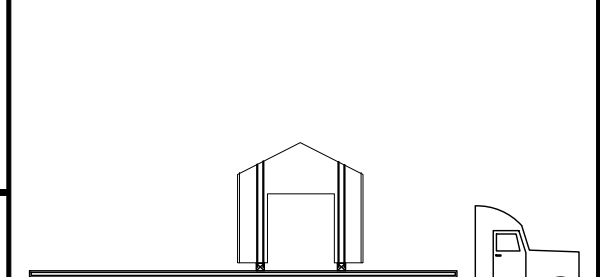
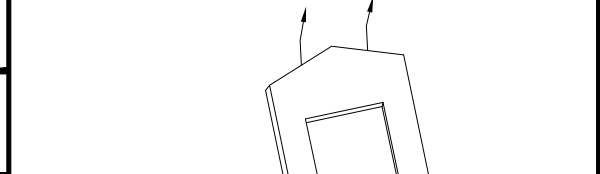
1. REFER TO DETAILS AND SECTION FOR REINFORCEMENT PLACEMENT

2. SHOP TICKET SHOWS EXTERIOR FINISH CAST FACE UP

CHECKED BY: DATE:  
 APPROVED BY: DATE:

| BILL OF MATERIALS |  |     |
|-------------------|--|-----|
| MARK #            | DESCRIPTION  | QTY |
| P101L             | 1/2" Ø X 1 1/2" F-63 FLARED THIN SLAB COIL INSERT (ELECTROPLATED)          | 8   |
| P201G             | 4" X 4" X 3/8" W / (2) 1/2" Ø X 1 1/2" H.A.S. W / 1'-4" BENT REBAR (GALV.) | 2   |
| P103G             | 2 TON TECH ERECTION ANCHOR (GALV.)   | 2   |
| P9000P            | DOUBLE DOOR 3" FRAME 6'-0" X 6'-8"   | 1   |

HANDLING INSTRUCTIONS



| CONCRETE INSTRUCTIONS |                    |
|-----------------------|--------------------|
| CONCRETE RELEASE @    | 2,000 P.S.I.       |
| CONCRETE @ 28 DAYS    | 5,000 P.S.I.       |
| CONCRETE MIXES        |                    |
| CONCRETE - GRAY       | VOLUME = 0.54 C.Y. |
| CONCRETE - MIX 1      | VOLUME = - C.Y.    |
| CONCRETE - MIX 2      | VOLUME = - C.Y.    |
| SOFT SOUND            | VOLUME = - C.Y.    |
| TOTALS                | VOLUME = 0.54 C.Y. |
| WEIGHT:               | 2,200 LBS.         |

| FINISHING INSTRUCTIONS |                       |
|------------------------|-----------------------|
| BR                     | = BRICK IMPRINT       |
| FF                     | = FORM FINISH         |
| WT                     | = WET TROWEL FINISH   |
| H = 9'-3 1/2"          | SQ.FT.(T.I.F.) = 57.0 |
| W = 12'-0"             | SQ.FT.(T.I.F.) = -    |
| D = 3"                 | SQ.FT.(T.I.F.) = -    |
| CONTROL NUMBERS:       |                       |
| -                      |                       |
| PRODUCT                | SALES ORDER NUMBER    |
| BUILDING               | STANDARD              |
| SHEET NUMBER           | 1                     |
| 1 OF 2                 |                       |

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| REV | INI. | DESCRIPTION                         |
|-----|------|-------------------------------------|
| 1   | WCR  | ADJUSTED CONNECTION INSERTS AT BASE |
| 2   |      |                                     |
| 3   |      |                                     |
| 4   |      |                                     |
| 5   |      |                                     |

DATE: 11.03.25

PROJECT: STANDARD 12' GABLED WALL  
 10X12 GABLED BUILDING

CONTRACTOR: INFRASTRUCTURE PRECAST

SCALE: NTS

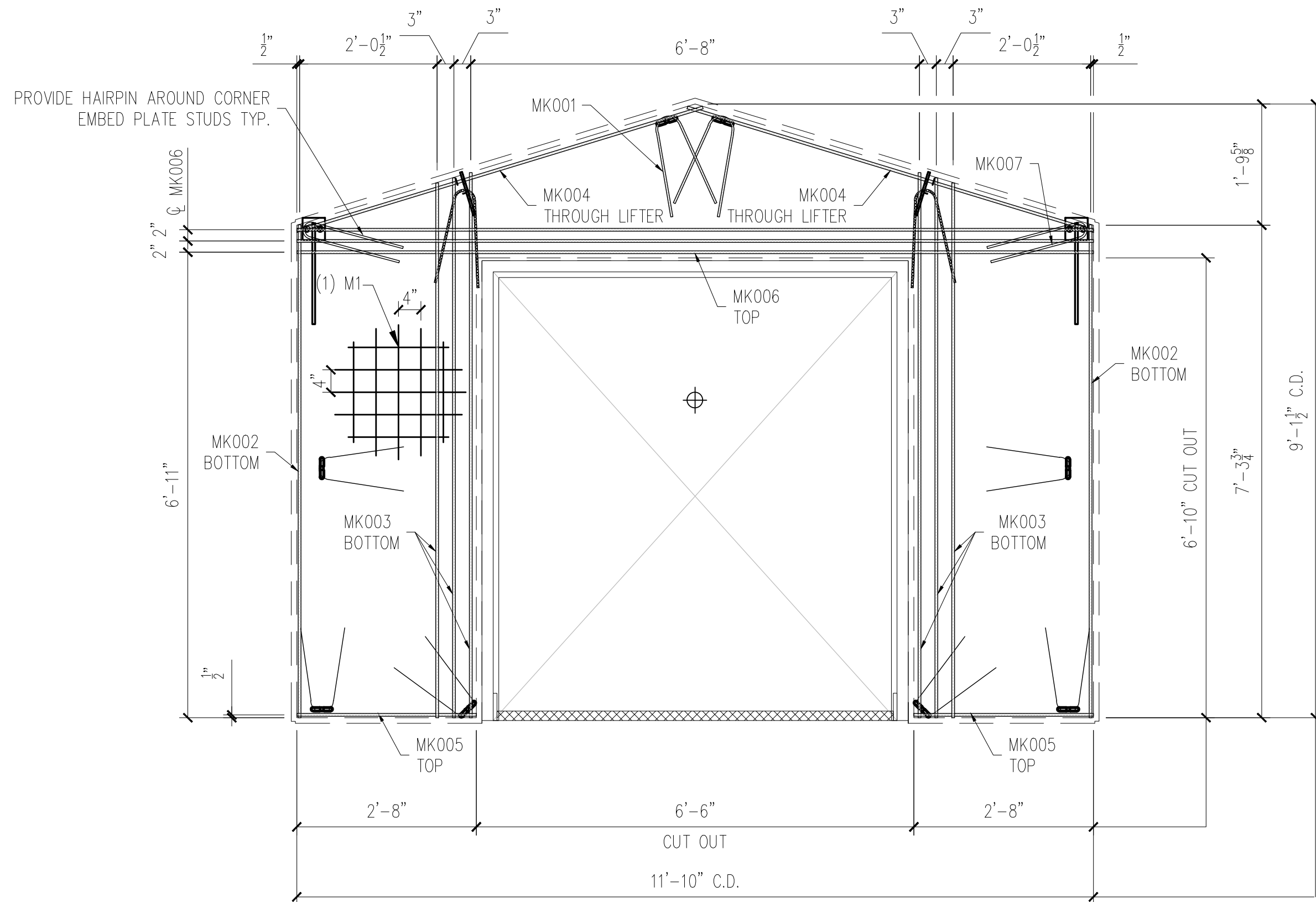
DRAWN BY: WCR

CHECK BY: JAD

ISSUE DATE: 10.15.25

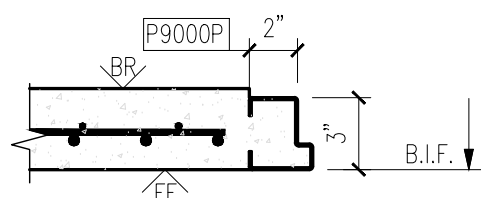
PIECE MARK: BFRG-12

25-3077  
 MONTGOMERY CO AIRPORT BUILDING  
 PRODUCT ID - CVW  
 FRONT WALL - BFRG-12  
 WEIGHT - 2,200 LBS EACH  
 1 REQUIRED

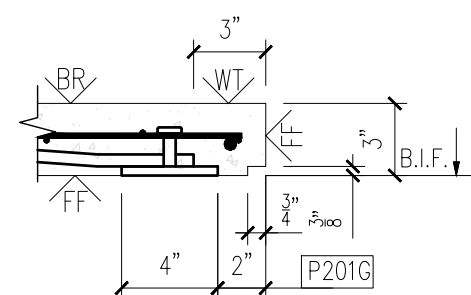


FRONT WALL REINFORCING

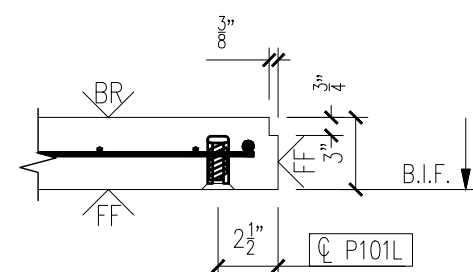
SCALE: 1/2" = 1'-0"



6



7



8

MESSAGE CENTER

1. REFER TO DETAILS AND SECTION FOR REINFORCEMENT PLACEMENT
2. SUPPLEMENTAL STEEL FOR STRIPPING AND HANDLING MAY BE ADDED AS REQUIRED.

CHECKED BY: DATE:  
 APPROVED BY: DATE:

NOTE:  
 1. CONSTRUCT REBAR-MESH CAGE ACCORDING TO THE DRAWINGS. SECURE LIFTING APPARATUS TO FORM AND ADD PROPER REINFORCEMENT. PLACE REBAR-MESH CAGE AND HAIRPINS AT INSERTS WITH PROPER CLEARANCES (PER DRAWINGS).

|                     |                             |
|---------------------|-----------------------------|
| PRODUCT BUILDING    | SALES ORDER NUMBER STANDARD |
| SHEET NUMBER 2 OF 2 | NUMBER REQUIRED 1           |

| REINFORCING SCHEDULE |                |     |
|----------------------|----------------|-----|
| MARK #               | DESCRIPTION    | QTY |
| MK001                | #3 X 3'-0"     | 10  |
| MK002                | #3 X 7'-3 3/4" | 2   |
| MK003                | #3 X 8'-0"     | 6   |
| MK004                | #3 X 6'-2"     | 2   |
| MK005                | #3 X 2'-8"     | 2   |
| MK006                | #3 X 11'-10"   | 3   |
| MK007                | #3 X 3'-1"     | 2   |

| MESH SCHEDULE |                                     |     |
|---------------|-------------------------------------|-----|
| MARK #        | DESCRIPTION                         | QTY |
| M1            | W4XW4 4"X4" WWF 11'-10" X 9'-1 1/2" | 1   |

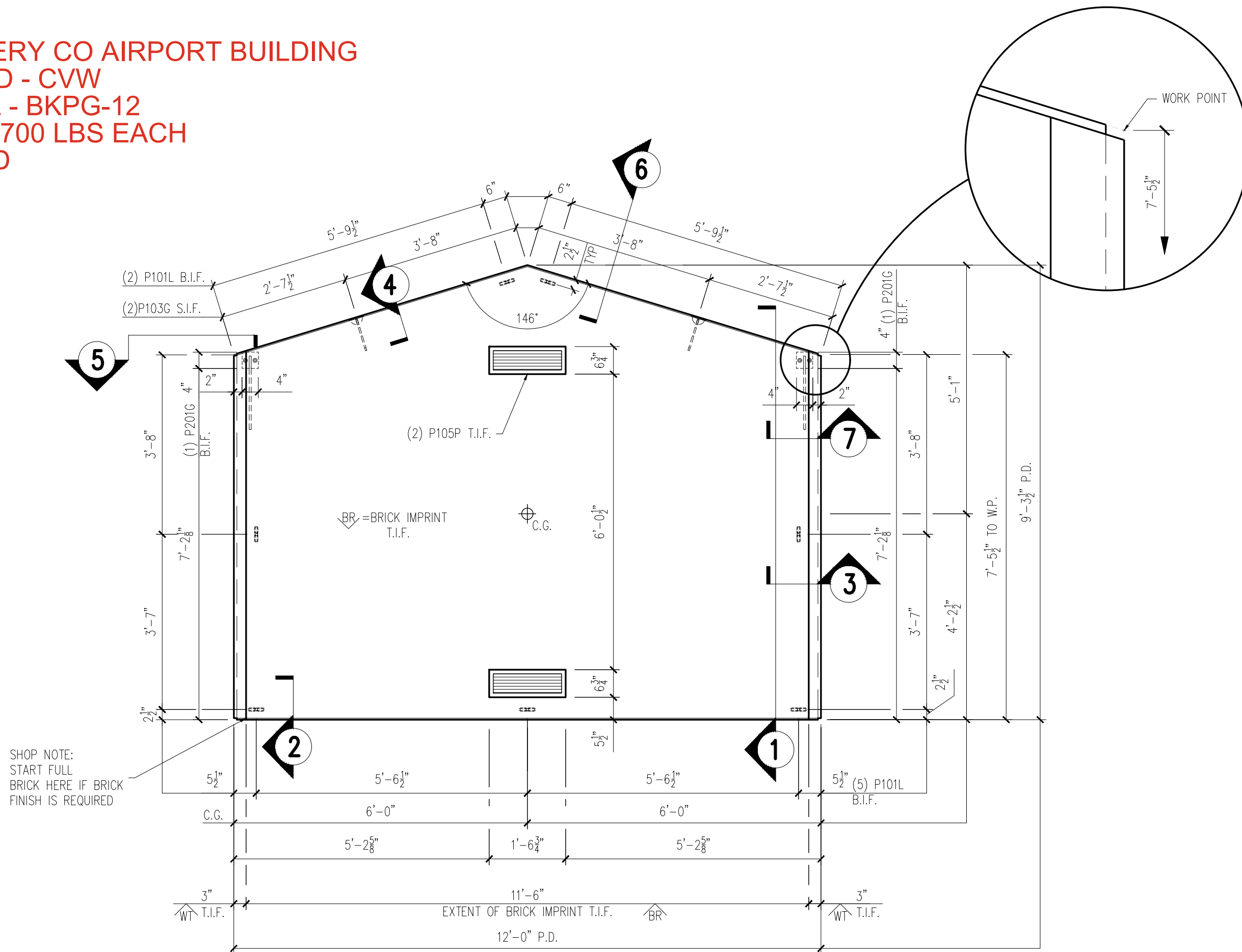
| REV | INI | DATE | DESCRIPTION |
|-----|-----|------|-------------|
| 1   |     |      |             |
| 2   |     |      |             |
| 3   |     |      |             |
| 4   |     |      |             |
| 5   |     |      |             |

PROJECT: STANDARD 12' GABLED WALL  
 10X12 GABLED BUILDING  
 CONTRACTOR: INFRASTRUCTURE PRECAST

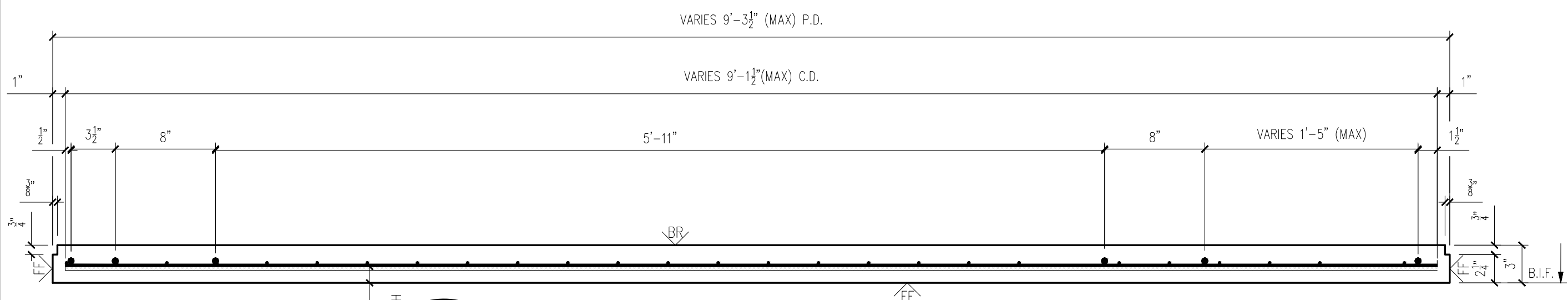
|                     |
|---------------------|
| SCALE NTS           |
| DRAWN BY WCR        |
| CHECK BY JAD        |
| ISSUE DATE 10.15.25 |
| PIECE MARK BFRG-12  |

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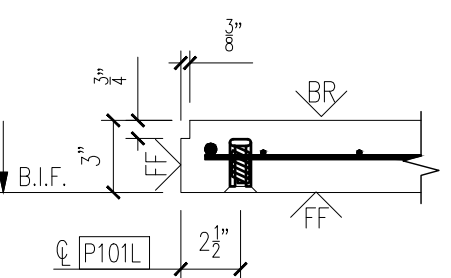
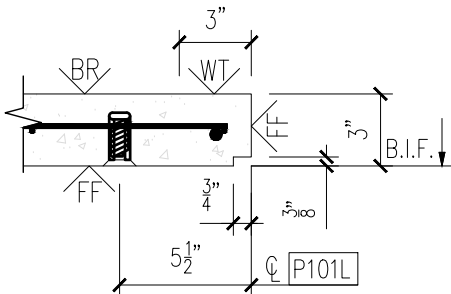
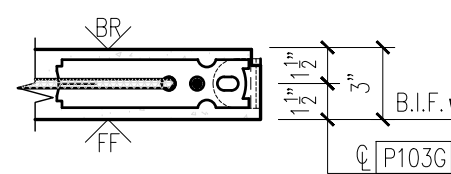
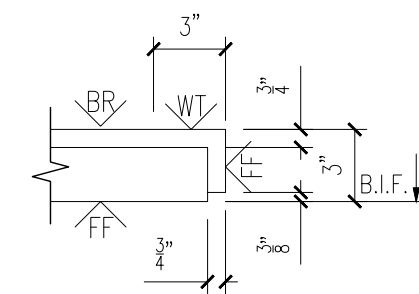
25-3077  
 MONTGOMERY CO AIRPORT BUILDING  
 PRODUCT ID - CVW  
 REAR WALL - BKPG-12  
 WEIGHT - 3,700 LBS EACH  
 1 REQUIRED



BACK WALL FORM VIEW  
 SCALE: 1/2" = 1'-0"



NOTE: ADJUST CLEARANCE (CLR.) AS REQUIRED FOR DIFFERENT FINISHES TO MAINTAIN ADEQUATE CONCRETE COVER ON TOP AND BOTTOM OF REBAR MAT



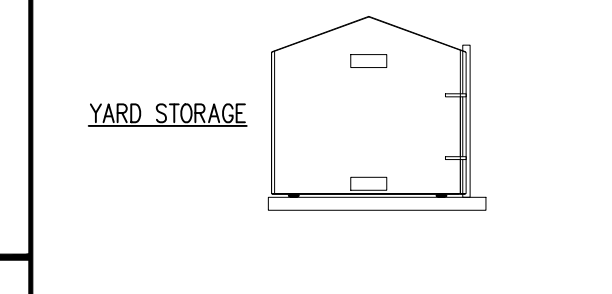
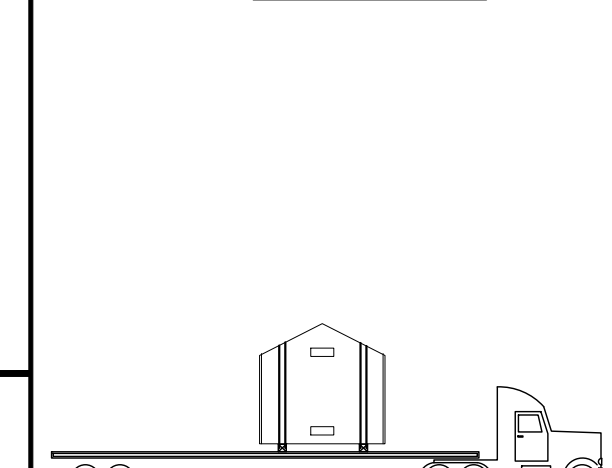
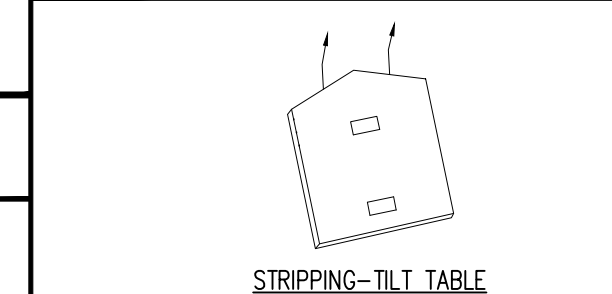
MESSAGE CENTER

- REFER TO DETAILS AND SECTION FOR REINFORCEMENT PLACEMENT
- SHOP TICKET SHOWS EXTERIOR FINISH CAST FACE UP

CHECKED BY: DATE:  
 APPROVED BY: DATE:

| BILL OF MATERIALS |   |     |
|-------------------|---|-----|
| MARK #            | DESCRIPTION   | QTY |
| P101L             | 1/2" Ø X 1 1/2" F-63 FLARED THIN SLAB COIL INSERT (ELECTROPLATED)       | 7   |
| P201G             | 4" X 4" X 3/8" W/(2) 1/2" Ø X 1 1/2" H.A.S. W/ 1'-4" BENT REBAR (GALV.) | 2   |
| P103G             | 2 TON TECH ERECTION ANCHOR (GALV.)                                      | 2   |
| P105P             | 4 1/2" X 1'-4 1/2" FL-164 VENT SUN VENT INDUSTRIES (ALUMINUM)           | 2   |

HANDLING INSTRUCTIONS



| CONCRETE INSTRUCTIONS |                    |
|-----------------------|--------------------|
| CONCRETE RELEASE @    | 2,000 P.S.I.       |
| CONCRETE @ 28 DAYS:   | 5,000 P.S.I.       |
| CONCRETE MIXES        |                    |
| CONCRETE - GRAY       | VOLUME = 0.91 C.Y. |
| CONCRETE - MIX 1      | VOLUME = - C.Y.    |
| CONCRETE - MIX 2      | VOLUME = - C.Y.    |
| SOFT SOUND            | VOLUME = - C.Y.    |
| TOTALS                | VOLUME = 0.91 C.Y. |
| WEIGHT:               | 3,700 LBS.         |

FINISHING INSTRUCTIONS

|                  |                        |
|------------------|------------------------|
| BR               | = BRICK IMPRINT        |
| FF               | = FORM FINISH          |
| WT               | = WET TROWEL FINISH    |
| 9'-3 1/2"        | SQ.FT.(T.I.F.) = 100.0 |
| W = 12'-0"       | SQ.FT.(T.I.F.) = -     |
| D = 3"           | SQ.FT.(T.I.F.) = -     |
| CONTROL NUMBERS: |                        |
| -                |                        |

|              |                    |
|--------------|--------------------|
| PRODUCT      | SALES ORDER NUMBER |
| BUILDING     | STANDARD           |
| SHEET NUMBER | NUMBER REQUIRED    |
| 1 OF 2       | 1                  |

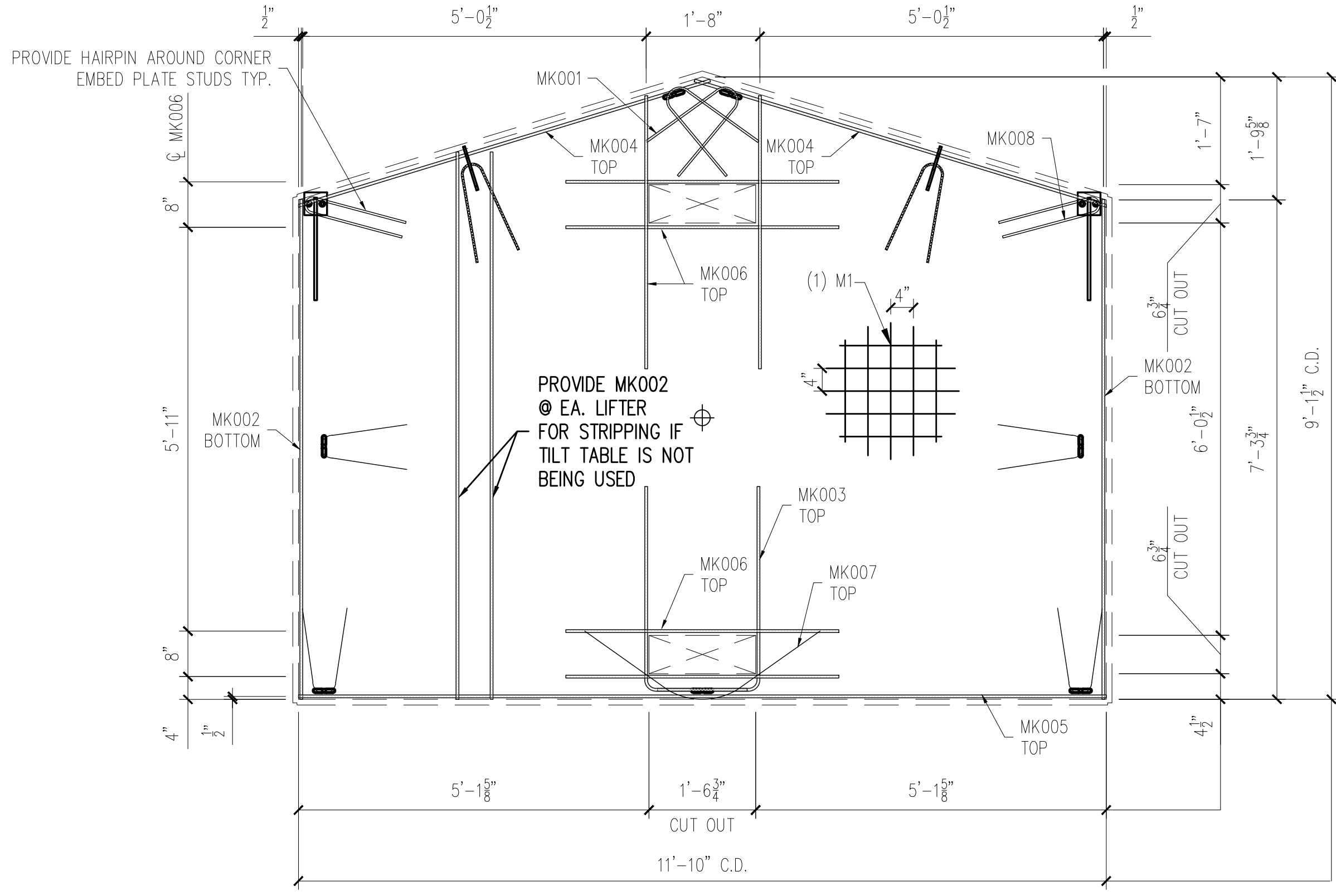
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| REV | INI. | DESCRIPTION | DATE |
|-----|------|-------------|------|
| 1   | -    | -           | -    |
| 2   | -    | -           | -    |
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| 5   | -    | -           | -    |

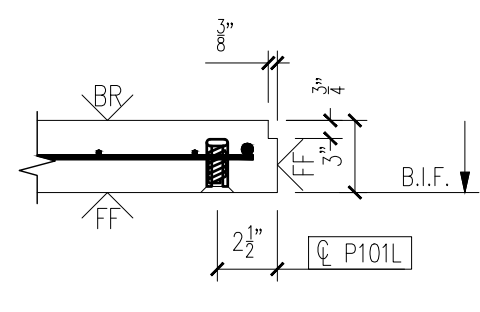
PROJECT: STANDARD 10' GABLED FLOOR 10X12 GABLED BUILDING  
 CONTRACTOR: INFRASTRUCTURE PRECAST

|            |          |
|------------|----------|
| SCALE      | NTS      |
| DRAWN BY   | WCR      |
| CHECK BY   | JAD      |
| ISSUE DATE | 10.15.25 |
| PIECE MARK | BKPG-12  |

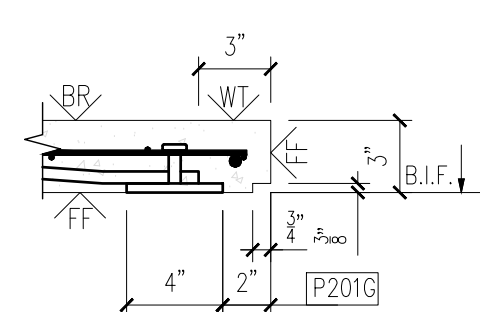
25-3077  
 MONTGOMERY CO AIRPORT BUILDING  
 PRODUCT ID - CVW  
 REAR WALL - BKPG-12  
 WEIGHT - 3,700 LBS EACH  
 1 REQUIRED



BACK WALL REINFORCING  
 SCALE: 1/2" = 1'-0"



6



7

MESSAGE CENTER

- REFER TO DETAILS AND SECTION FOR REINFORCEMENT PLACEMENT
- SUPPLEMENTAL STEEL FOR STRIPPING AND HANDLING MAY BE ADDED AS REQUIRED.

CHECKED BY: DATE:  
 APPROVED BY: DATE:

NOTE:  
 1. CONSTRUCT REBAR-MESH CAGE ACCORDING TO THE DRAWINGS. SECURE LIFTING APPARATUS TO FORM AND ADD PROPER REINFORCEMENT. PLACE REBAR-MESH CAGE AND HAIRPINS AT INSERTS WITH PROPER CLEARANCES (PER DRAWINGS).

|                     |                             |
|---------------------|-----------------------------|
| PRODUCT BUILDING    | SALES ORDER NUMBER STANDARD |
| SHEET NUMBER 2 OF 2 | NUMBER REQUIRED 1           |

| REINFORCING SCHEDULE |                |     |
|----------------------|----------------|-----|
| MARK #               | DESCRIPTION    | QTY |
| MK001                | #3 X 3'-0"     | 8   |
| MK002                | #3 X 7'-3 3/4" | 2   |
| MK003                | #3 X 4'-4 1/2" | 2   |
| MK004                | #3 X 6'-2"     | 2   |
| MK005                | #3 X 11'-10"   | 1   |
| MK006                | #3 X 4'-0"     | 6   |
| MK007                | #3 X 4'-0"     | 1   |
| MK008                | #3 X 3'-1"     | 2   |

| MESH SCHEDULE |                                     |     |
|---------------|-------------------------------------|-----|
| MARK #        | DESCRIPTION                         | QTY |
| M1            | W4XW4 4"X4" WWF 11'-10" X 9'-1 1/2" | 1   |

| REV | INI. | DATE | DESCRIPTION |
|-----|------|------|-------------|
| 1   |      |      |             |
| 2   |      |      |             |
| 3   |      |      |             |
| 4   |      |      |             |
| 5   |      |      |             |

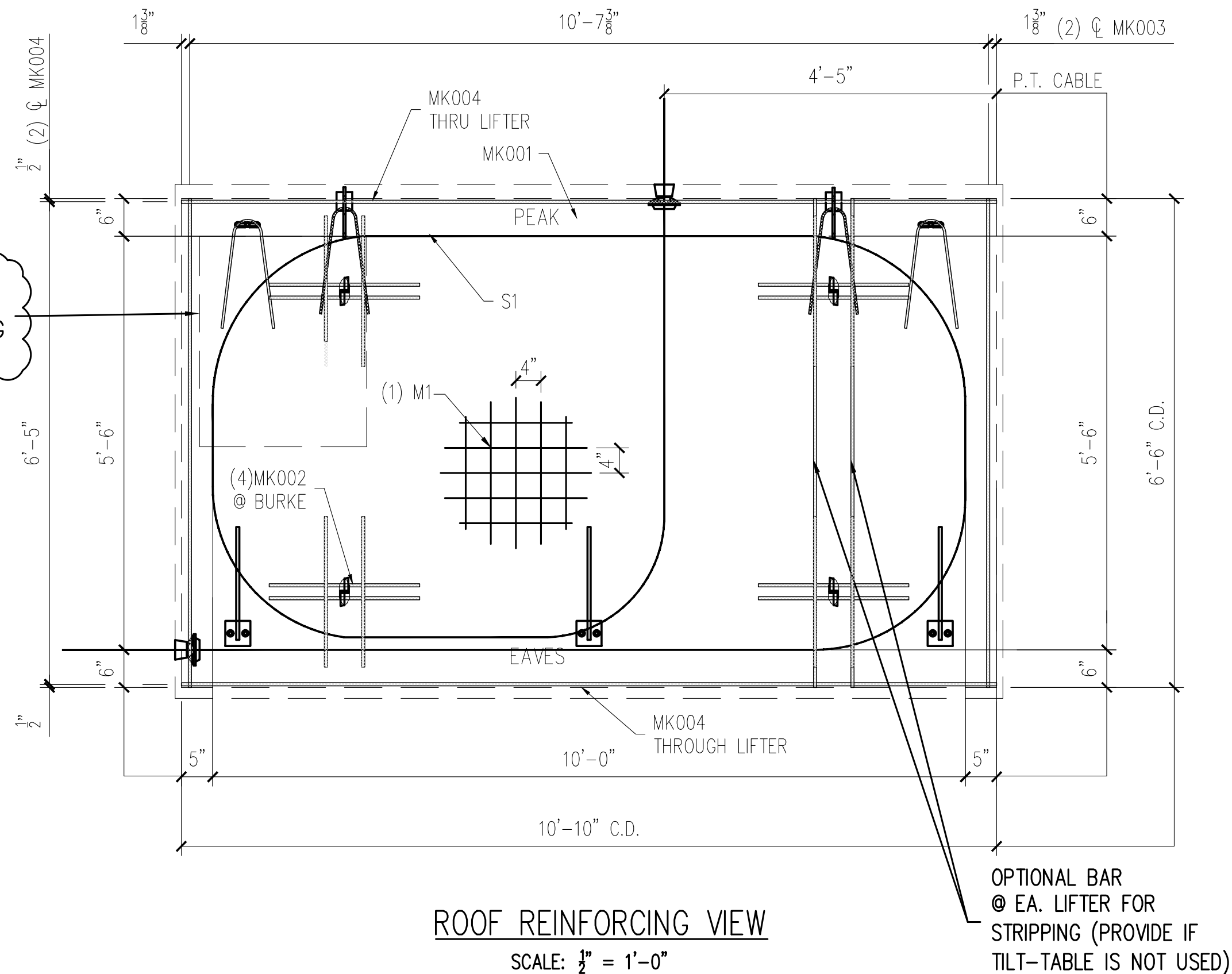
PROJECT: STANDARD 10' GABLED FLOOR  
 10X12 GABLED BUILDING  
 CONTRACTOR: INFRASTRUCTURE PRECAST

|                     |
|---------------------|
| SCALE NTS           |
| DRAWN BY WCR        |
| CHECK BY JAD        |
| ISSUE DATE 10.15.25 |
| PIECE MARK BKPG-12  |

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25-3077  
 MONTGOMERY CO AIRPORT BUILDING  
 PRODUCT ID - CVT  
 ROOF - BRFG-10  
 WEIGHT - 3,800 LBS EACH  
 2 REQUIRED

NOTE:  
 DIMENSIONS PROVIDED ARE PULLED FROM EDGE OF  
 CAGE TO CENTERLINE OF REBAR AND TO CENTER  
 OF REBAR TO CENTER OF REBAR



NOTE: ADD REBAR OR MESH OVER  
 POST-TENSION CABLE AT BENDS,  
 SANDWICHING BETWEEN REINFORCING  
 -USED AS CONTAINMENT STEEL.

ROOF REINFORCING VIEW  
 SCALE: 1/2" = 1'-0"

| REINFORCING SCHEDULE |                                 |     |
|----------------------|---------------------------------|-----|
| MARK #               | DESCRIPTION                     | QTY |
| MK001                | #3 X 3'-0"                      | 4   |
| MK002                | #3 X 2'-0"                      | 16  |
| MK003                | #3 X 6'-6"                      | 2   |
| MK004                | #3 X 10'-10"                    | 2   |
| S1                   | 1/2" φ X 42'-0" LONG P.T. CABLE | 1   |

| MESH SCHEDULE |                                 |     |
|---------------|---------------------------------|-----|
| MARK #        | DESCRIPTION                     | QTY |
| M1            | W4XW4 4"X4" WWF 10'-10" X 6'-6" | 1   |

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| REV | INI. | DESCRIPTION | DATE |
|-----|------|-------------|------|
| 1   | -    | -           | -    |
| 2   | -    | -           | -    |
| 3   | -    | -           | -    |
| 4   | -    | -           | -    |

PROJECT: STANDARD 10' GABLED FLOOR  
 10X12 GABLED BUILDING  
 CONTRACTOR: INFRASTRUCTURE PRECAST

SCALE: NTS  
 DRAWN BY: WCR  
 CHECK BY: JAD  
 ISSUE DATE: 10.15.25  
 PIECE MARK: BRFG-10

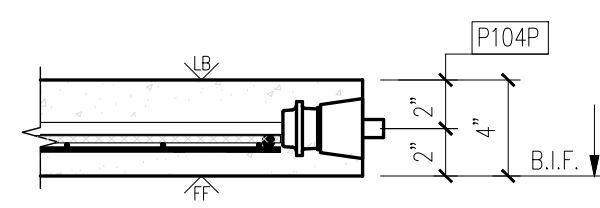
- NOTES:
1. TRIM PLASTIC SHEATH AT BOTH ENDS OF THE PT CABLE TO FIT BETWEEN U-5 ANCHOR PLATES
  2. CONSTRUCT REBAR-MESH CAGE ACCORDING TO THE DRAWINGS. SECURE LIFTING APPARATUS TO FORM AND ADD PROPER REINFORCEMENT. PLACE REBAR-MESH CAGE AND HAIRPINS AT INSERTS WITH PROPER CLEARANCES (PER DRAWINGS).
  3. PLACE AND SECURE PT CABLE AS INDICATED ON THE DRAWINGS (REINFORCING VIEW)

MESSAGE CENTER

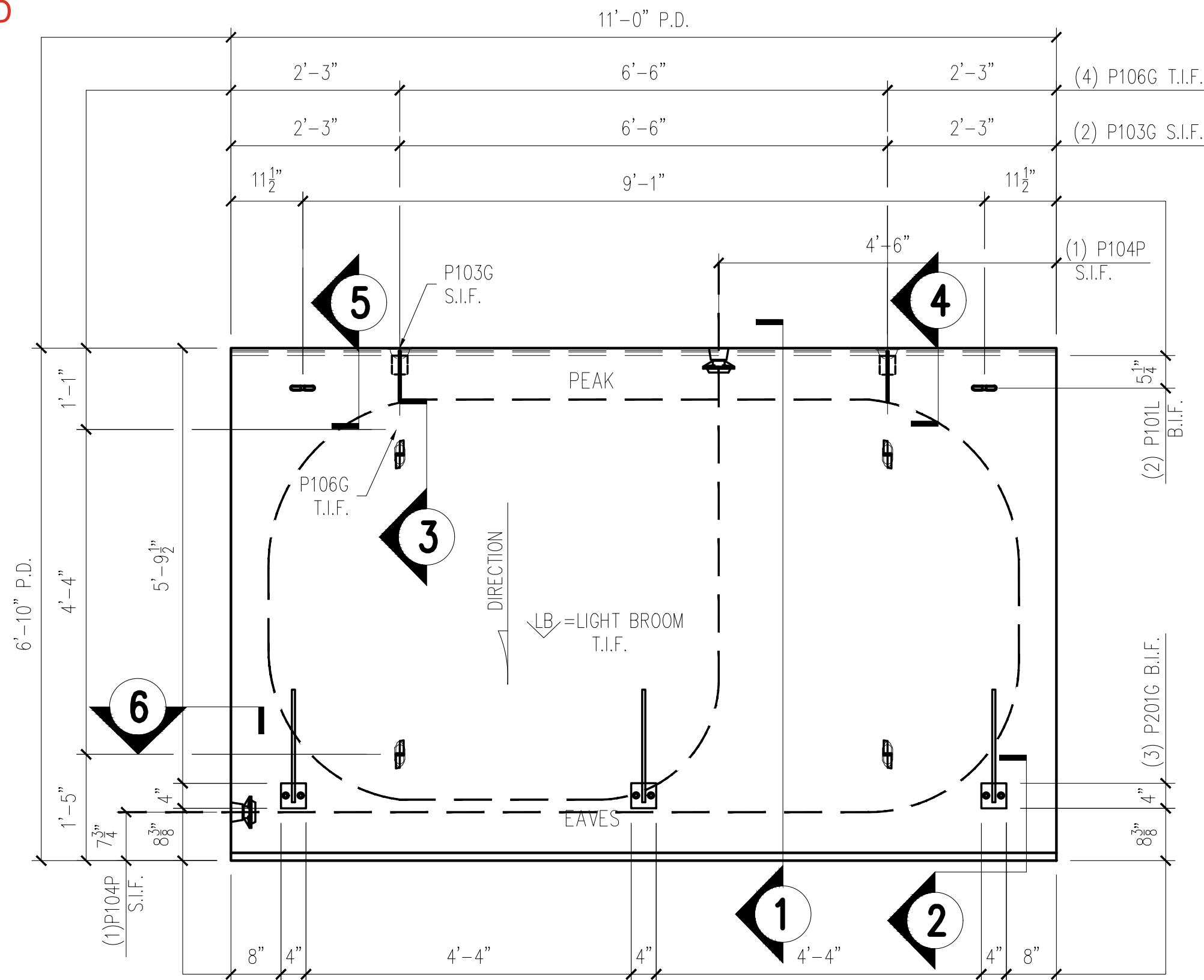
1. REFER TO DETAILS FOR REINFORCEMENT/CABLE PLACEMENT
2. SUPPLEMENTAL STEEL FOR STRIPPING AND HANDLING MAY BE ADDED AS REQUIRED.

CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

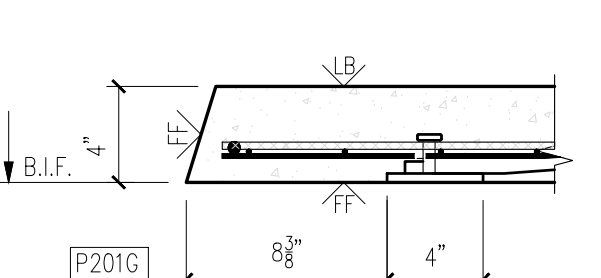
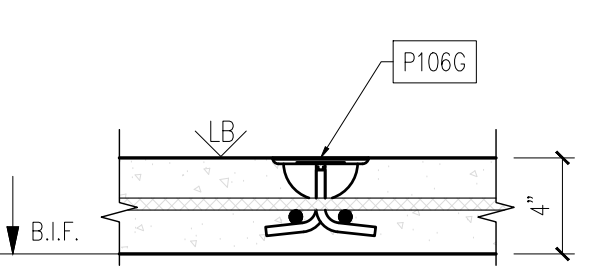
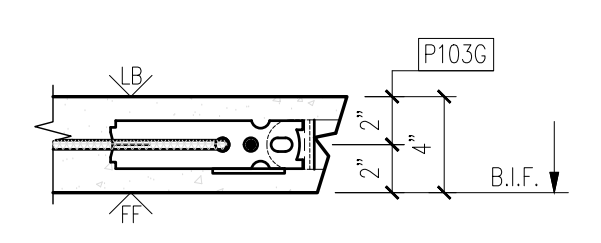
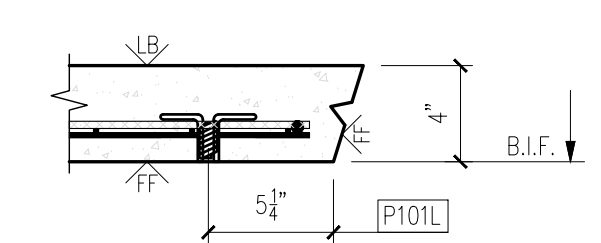
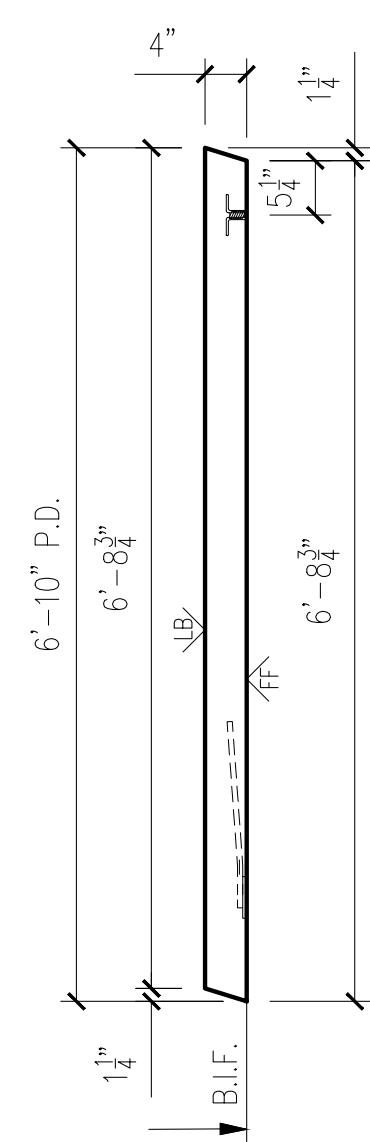
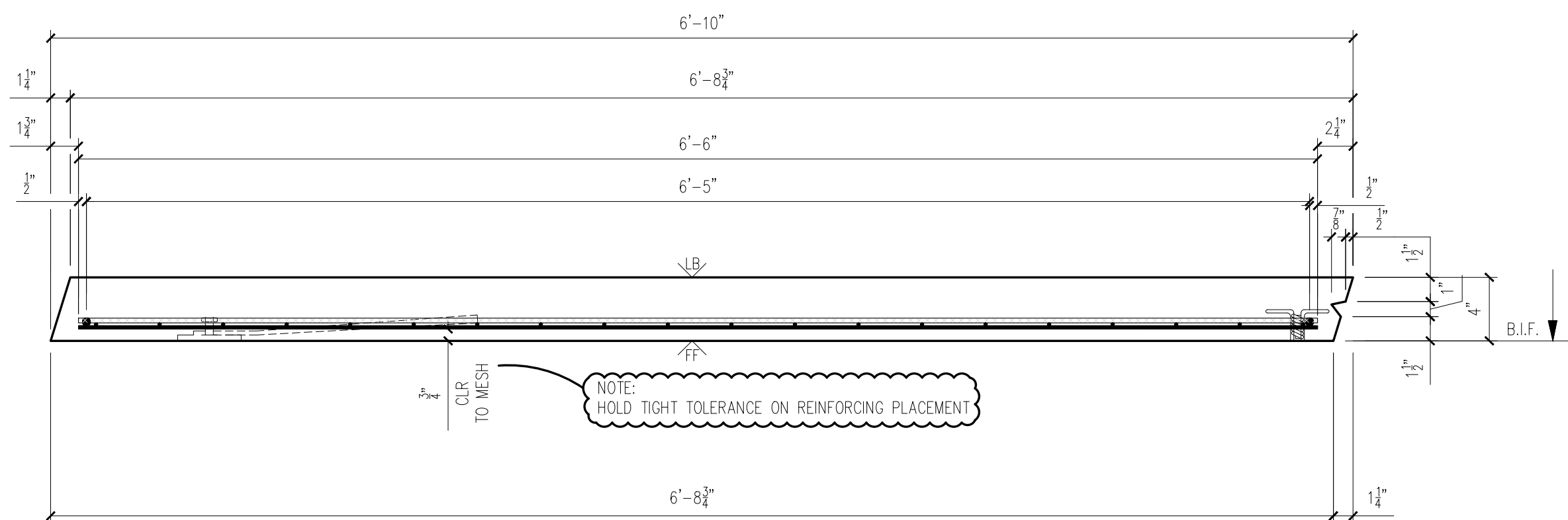
|                     |                             |
|---------------------|-----------------------------|
| PRODUCT BUILDING    | SALES ORDER NUMBER STANDARD |
| SHEET NUMBER 2 OF 2 | NUMBER REQUIRED 2           |



25-3077  
 MONTGOMERY CO AIRPORT BUILDING  
 PRODUCT ID - CVT  
 ROOF - BRFG-10  
 WEIGHT - 3,800 LBS EACH  
 2 REQUIRED



ROOF FORM VIEW  
 SCALE: 1/2" = 1'-0"

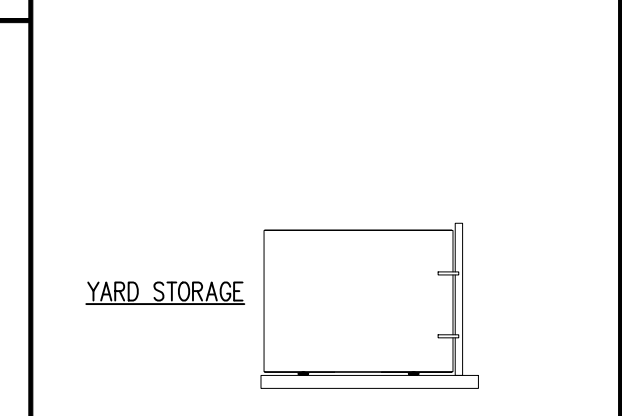
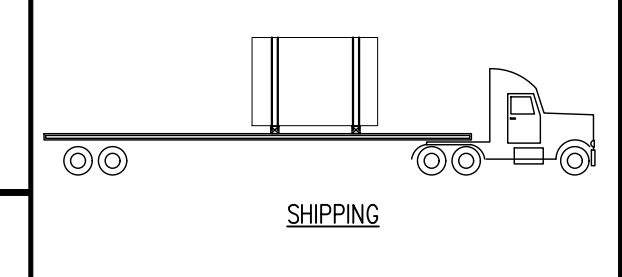
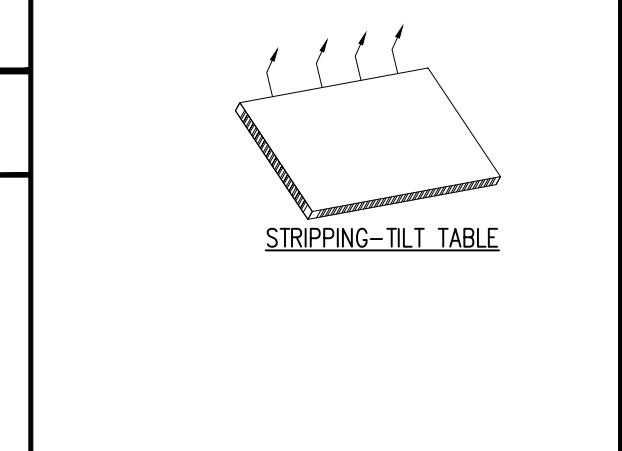


MESSAGE CENTER  
 1. REFER TO DETAILS FOR REINFORCEMENT/CABLE PLACEMENT  
 2. SHOP TICKET SHOWS EXTERIOR FINISH CAST FACE UP

CHECKED BY: DATE:  
 APPROVED BY: DATE:

| BILL OF MATERIALS |  |     |
|-------------------|--|-----|
| MARK #            | DESCRIPTION  | QTY |
| P201G             | P 4"x4"x8 3/8"W/(2) 3/8" X 1 1/2" H.A.S. W/ 1'-4" BENT REBAR (GALV.) | 3   |
| P103G             | 2 TON TECH ERECTION ANCHOR (GALV.)                                   | 2   |
| P104P             | U-5 POST TENSION ANCHOR (PLAIN) WITH PLASTIC POCKET                  | 2   |
| P106G             | 2 TON PLATE ANCHOR (GALV.)   | 4   |
| P101L             | 1/2" X 1 1/2" F-63 FLARED THIN SLAB COIL INSERT (ELECTROPLATED)      | 2   |

HANDLING INSTRUCTIONS



| CONCRETE INSTRUCTIONS |                    |
|-----------------------|--------------------|
| CONCRETE RELEASE @:   | 2,500 P.S.I.       |
| CONCRETE @ 28 DAYS:   | 5,000 P.S.I.       |
| POST-TENSION @:       | 3,500 P.S.I.       |
| CONCRETE MIXES        |                    |
| CONCRETE - GRAY       | VOLUME = 0.92 C.Y. |
| CONCRETE - MIX 1      | VOLUME = - C.Y.    |
| CONCRETE - MIX 2      | VOLUME = - C.Y.    |
| SOFT SOUND            | VOLUME = - C.Y.    |
| TOTALS                | VOLUME = 0.92 C.Y. |
| WEIGHT:               | 3,800 LBS.         |

| FINISHING INSTRUCTIONS |                               |
|------------------------|-------------------------------|
| LB =                   | LIGHT BROOM FINISH            |
| FF =                   | FORM FINISH                   |
| L =                    | 11'-0" SQ.FT.(T.I.F.) = 75.00 |
| W =                    | 6'-10" SQ.FT.(T.I.F.) = -     |
| D =                    | 4" SQ.FT.(T.I.F.) = -         |
| CONTROL NUMBERS:       |                               |
| PRODUCT                | SALES ORDER NUMBER            |
| BUILDING               | STANDARD                      |
| SHEET NUMBER           | NUMBER REQUIRED               |
| 1 OF 2                 | 2                             |

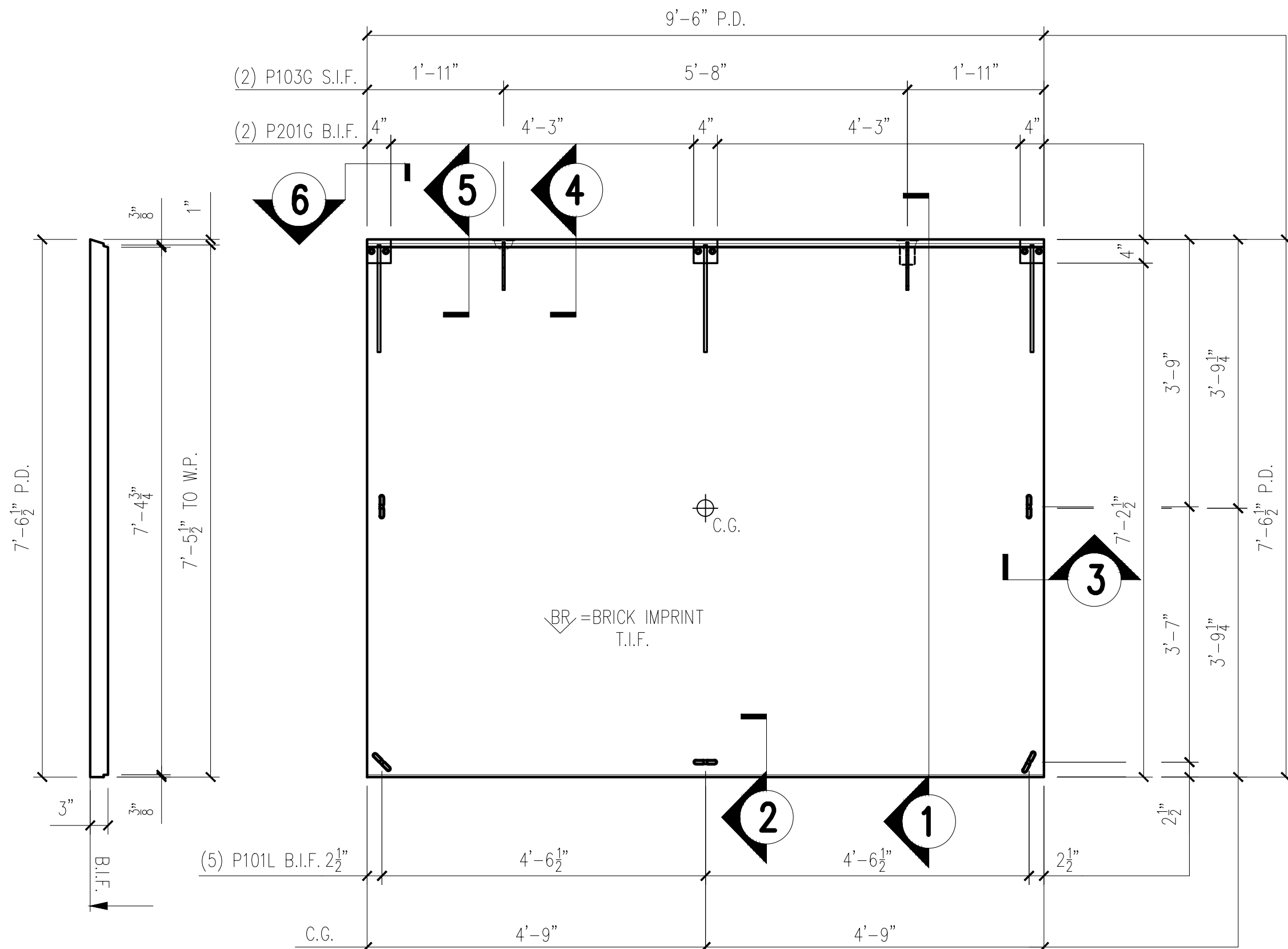
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| DATE | REV | DESCRIPTION |
|------|-----|-------------|
| -    | 1   | -           |
| -    | 2   | -           |
| -    | 3   | -           |
| -    | 4   | -           |
| -    | 5   | -           |

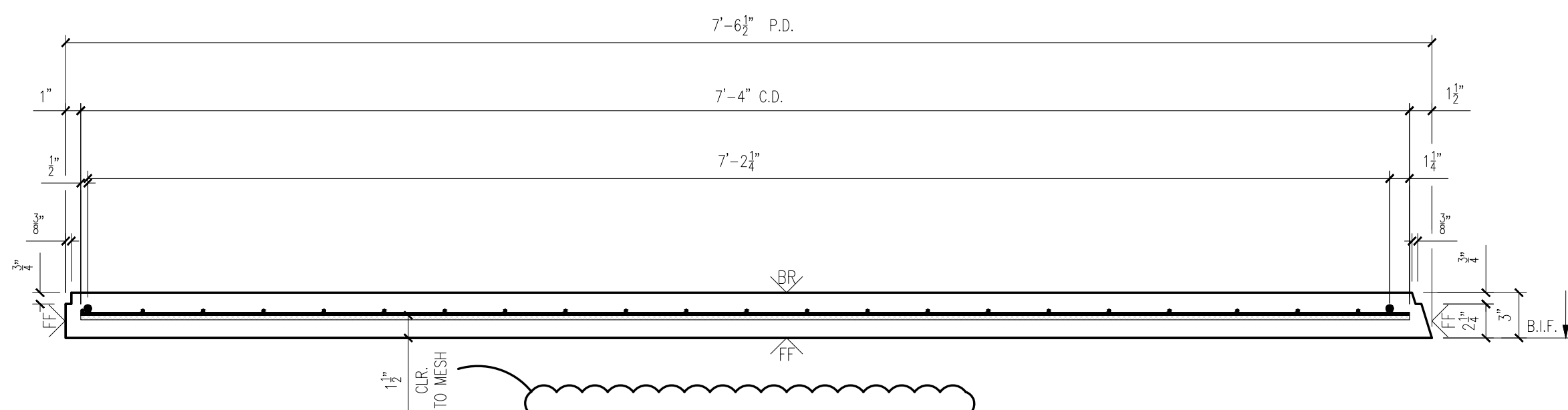
PROJECT: STANDARD 10' GABLED FLOOR  
 10X12 GABLED BUILDING  
 CONTRACTOR: INFRASTRUCTURE PRECAST

|            |          |
|------------|----------|
| SCALE      | NTS      |
| DRAWN BY   | WCR      |
| CHECK BY   | JAD      |
| ISSUE DATE | 10.15.25 |
| PIECE MARK | BRFG-10  |

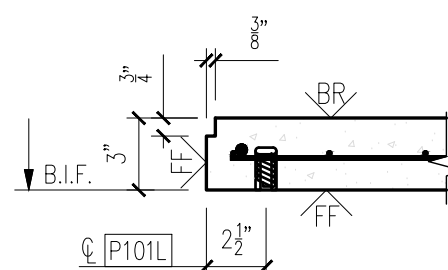
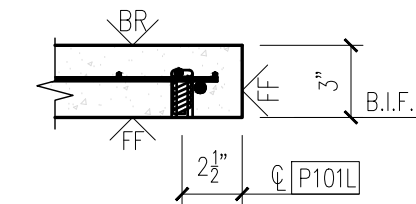
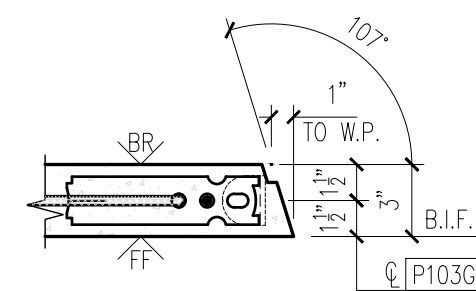
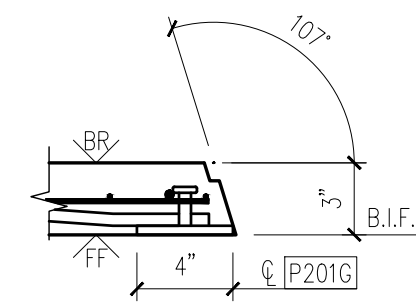
25-3077  
 MONTGOMERY CO AIRPORT BUILDING  
 PRODUCT ID - CVW  
 SIDE WALL - BSDG-10  
 WEIGHT - 2,700 LBS EACHH  
 2 REQUIRED



SIDE WALL FORM VIEW  
 SCALE: 1/2" = 1'-0"



NOTE: HOLD TIGHT TOLERANCE ON REINFORCING PLACEMENT



MESSAGE CENTER

- REFER TO DETAILS AND SECTION FOR REINFORCEMENT PLACEMENT
- SHOP TICKET SHOWS EXTERIOR FINISH CAST FACE UP

CHECKED BY: DATE:  
 APPROVED BY: DATE:

| BILL OF MATERIALS |   |     |
|-------------------|---|-----|
| MARK #            | DESCRIPTION   | QTY |
| P101L             | 1/2" Ø X 1 1/2" F-63 FLARED THIN SLAB COIL INSERT (ELECTROPLATED)       | 5   |
| P201G             | 4" X 4" X 3/8" W/(2) 3/8" Ø X 1 1/2" H.A.S. W/ 1'-4" BENT REBAR (GALV.) | 2   |
| P103G             | 2 TON TECH ERECTION ANCHOR (GALV.)                                      | 2   |

HANDLING INSTRUCTIONS

5

STRIPPING-TILT TABLE

4

SHIPPING

3

YARD STORAGE

2

ERECTION

| CONCRETE INSTRUCTIONS            |                    |
|----------------------------------|--------------------|
| CONCRETE RELEASE @ 2,500 P.S.I.  |                    |
| CONCRETE @ 28 DAYS: 5,000 P.S.I. |                    |
| CONCRETE MIXES                   |                    |
| CONCRETE - GRAY                  | VOLUME = 0.66 C.Y. |
| CONCRETE - MIX 1                 | VOLUME = - C.Y.    |
| CONCRETE - MIX 2                 | VOLUME = - C.Y.    |
| SOFT SOUND                       | VOLUME = - C.Y.    |
| TOTALS                           | VOLUME = 0.66 C.Y. |
| WEIGHT: 2,700 LBS.               |                    |

| FINISHING INSTRUCTIONS |                       |
|------------------------|-----------------------|
| BR = BRICK IMPRINT     |                       |
| FF = FORM FINISH       |                       |
| WT = WET TROWEL FINISH |                       |
| H = 7'-6 1/2"          | SQ.FT.(T.I.F.) = 71.0 |
| W = 9'-6"              | SQ.FT.(T.I.F.) = -    |
| D = 3"                 | SQ.FT.(T.I.F.) = -    |
| CONTROL NUMBERS:       |                       |
| -                      |                       |

| PRODUCT      | SALES ORDER NUMBER |
|--------------|--------------------|
| BUILDING     | STANDARD           |
| SHEET NUMBER | NUMBER REQUIRED    |
| 1 OF 2       | 2                  |

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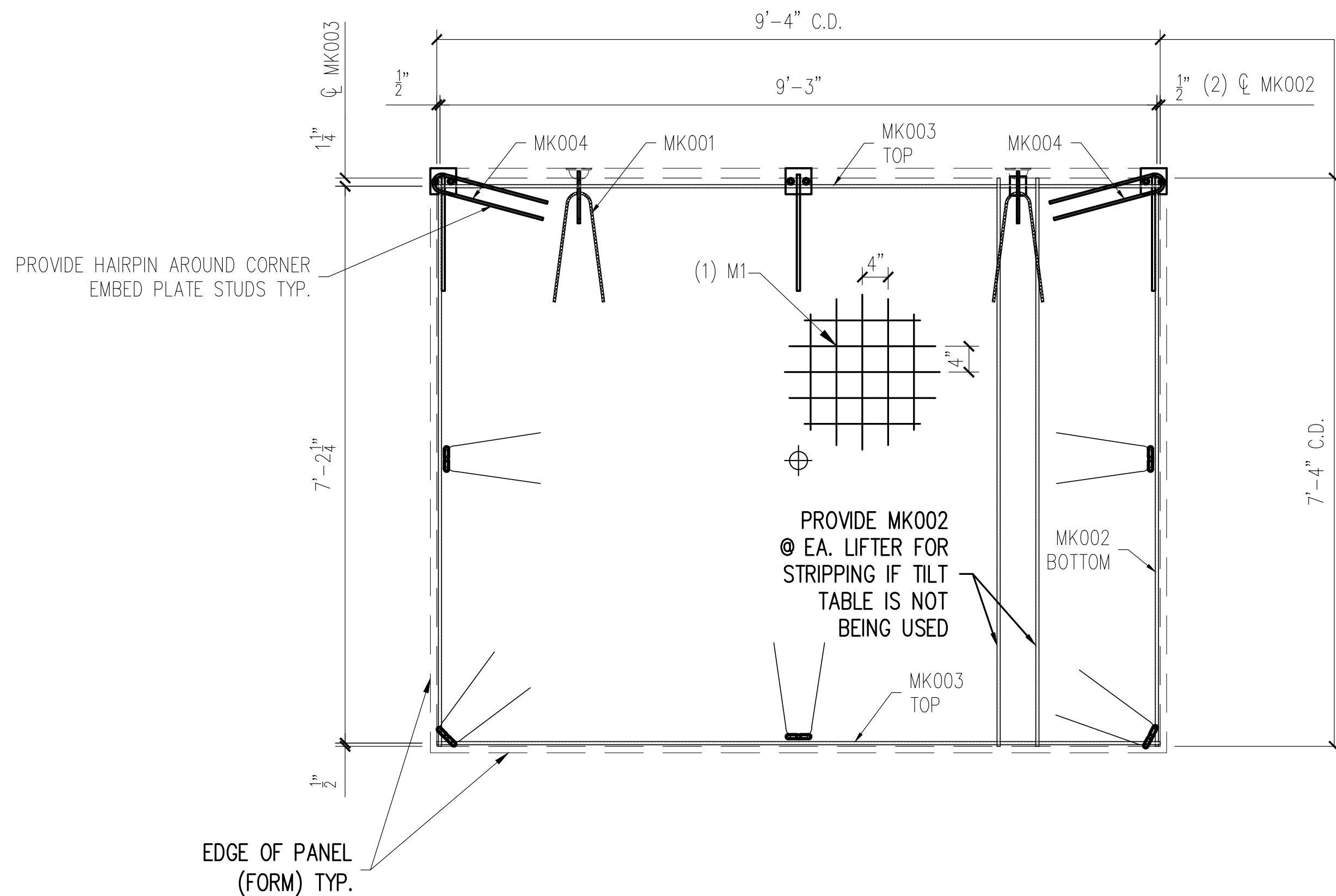
| REV | INI | DESCRIPTION | DATE |
|-----|-----|-------------|------|
| 1   | -   | -           | -    |
| 2   | -   | -           | -    |
| 3   | -   | -           | -    |
| 4   | -   | -           | -    |
| 5   | -   | -           | -    |

PROJECT: STANDARD 10' GABLED FLOOR 10X12 GABLED BUILDING  
 CONTRACTOR: INFRASTRUCTURE PRECAST

|                        |
|------------------------|
| SCALE<br>NTS           |
| DRAWN BY<br>WCR        |
| CHECK BY<br>JAD        |
| ISSUE DATE<br>10.15.25 |
| PIECE MARK<br>BSDG-10  |

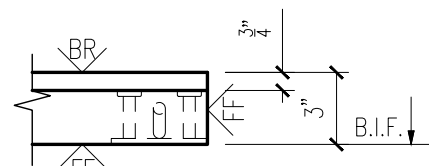
25-3077  
 MONTGOMERY CO AIRPORT BUILDING  
 PRODUCT ID - CVW  
 SIDE WALL - BSDG-10  
 WEIGHT - 2,700 LBS EACHH  
 2 REQUIRED

NOTE:  
 DIMENSIONS PROVIDED ARE PULLED FROM EDGE OF  
 CAGE TO CENTERLINE OF REBAR AND TO CENTER  
 OF REBAR TO CENTER OF REBAR



**SIDE WALL REINFORCING**

SCALE: 1/2" = 1'-0"



MESSAGE CENTER

- REFER TO DETAILS AND SECTION FOR REINFORCEMENT PLACEMENT
- SUPPLEMENTAL STEEL FOR STRIPPING AND HANDLING MAY BE ADDED AS REQUIRED.

NOTE:

1. CONSTRUCT REBAR-MESH CAGE ACCORDING TO THE DRAWINGS. SECURE LIFTING APPARATUS TO FORM AND ADD PROPER REINFORCEMENT. PLACE REBAR-MESH CAGE AND HAIRPINS AT INSERTS WITH PROPER CLEARANCES (PER DRAWINGS).

CHECKED BY: DATE:  
 APPROVED BY: DATE:

|                     |                             |
|---------------------|-----------------------------|
| PRODUCT BUILDING    | SALES ORDER NUMBER STANDARD |
| SHEET NUMBER 2 OF 2 | NUMBER REQUIRED 2           |

| REINFORCING SCHEDULE |             |     |
|----------------------|-------------|-----|
| MARK #               | DESCRIPTION | QTY |
| MK001                | #3 X 3'-0"  | 7   |
| MK002                | #3 X 7'-4"  | 2   |
| MK003                | #3 X 9'-4"  | 2   |
| MK004                | #3 X 3'-1"  | 2   |

| MESH SCHEDULE |                               |     |
|---------------|-------------------------------|-----|
| MARK #        | DESCRIPTION                   | QTY |
| M1            | W4XW4 4"X4" WWF 9'-4" X 7'-4" | 1   |

| REV | INI | DESCRIPTION | DATE |
|-----|-----|-------------|------|
| 1   |     |             |      |
| 2   |     |             |      |
| 3   |     |             |      |
| 4   |     |             |      |
| 5   |     |             |      |

PROJECT: STANDARD 10' GABLED FLOOR  
 10X12 GABLED BUILDING  
 CONTRACTOR: INFRASTRUCTURE PRECAST

|                     |
|---------------------|
| SCALE NTS           |
| DRAWN BY WCR        |
| CHECK BY JAD        |
| ISSUE DATE 10.15.25 |
| PIECE MARK BSDG-10  |

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