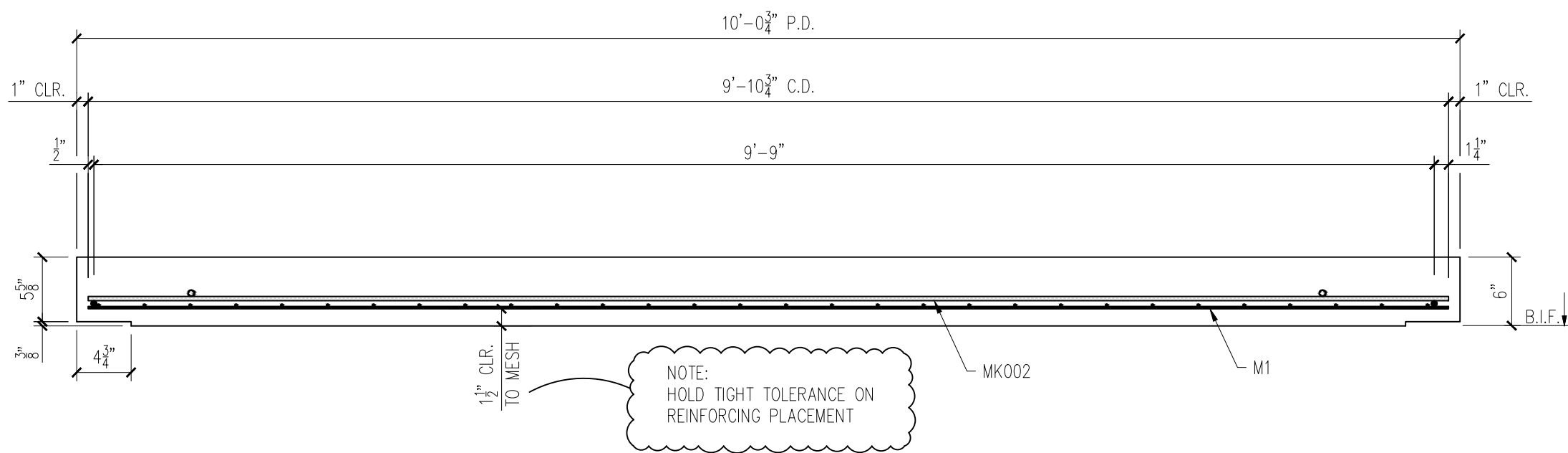
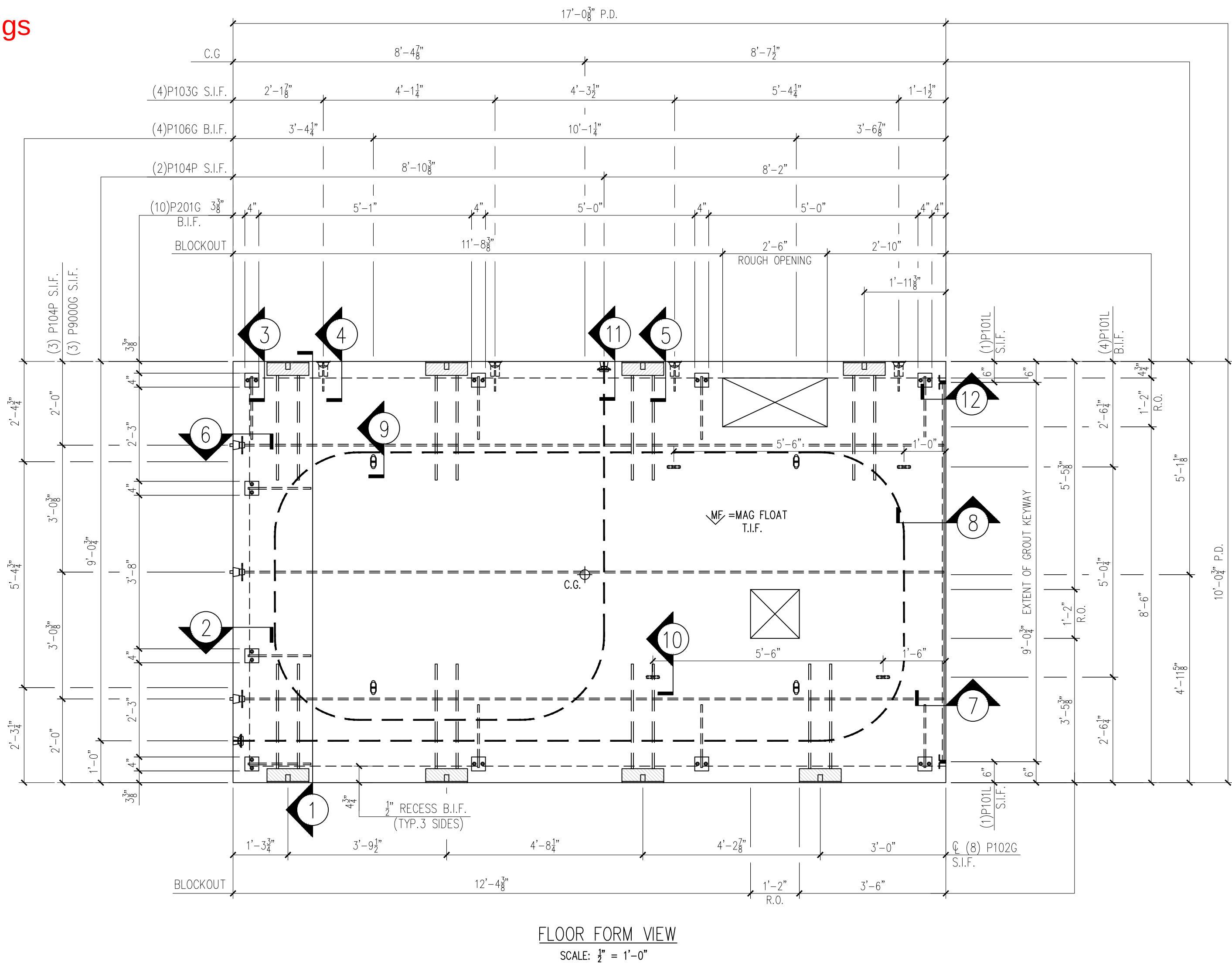


25-3470
CCHS Precast Buildings
Pressbox
ID - CVBS
Floor - FP-02
Weight - 12,535
1 Required



MESSAGE CENTER

1. REFER TO DETAILS FOR REINFORCEMENT/CABLE PLACEMENT

2. SHOP TICKET SHOWS EXTERIOR FINISH CAST FACE DOWN

CHECKED BY: DATE:
APPROVED BY: DATE:

BILL OF MATERIALS		
MARK #	DESCRIPTION	QTY.
P201G	4"x4"x8" W/ (2) 8"x1 1/2" H.A.S. W/1'-4" BENT REBAR (GALVANIZED)	10
P104P	U-5 POST TENSION ANCHOR (PLAIN) WITH PLASTIC POCKET	5
P103G	2 TON TECH ERECTION ANCHOR (GALV.)	4
P102G	ESW P-4 LIFTING ANGLE (GALV.)	8
P9000G	1"ø E.M.T. TUBE 16'-10 1/8" LONG (GALV.)	3
P106G	2 TON PLATE ANCHOR (GALV.)	4
P101L	3/2"ø X 12" F-63 FLARED THIN SLAB COIL INSERT (ELECTROPLATED)	6

HANDLING INSTRUCTIONS

STRIPPING-TILT TABLE

SHIPPING

YARD STORAGE

ERECTION

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 = 3.09 C.Y.
CONCRETE - MIX 1	VOLUME = - C.Y.
CONCRETE - MIX 2	VOLUME = - C.Y.
SOFT SOUND	VOLUME = - C.Y.
TOTALS	VOLUME = 3.09 C.Y.
WEIGHT: 12,535 LBS.	
FINISHING INSTRUCTIONS	
MF = MAG FLOAT FINISH	
FF = FORM FINISH	
L = 17'-0 3/8"	SQ.FT.(T.I.F.) = 167.09
W = 10'-0 3/4"	SQ.FT.(T.I.F.) = -
D = 6"	SQ.FT.(T.I.F.) = -
CONTROL NUMBERS:	
-	
-	
PRODUCT	SALES ORDER NUMBER
BUILDING	-
SHEET NUMBER	NUMBER REQUIRED
1 OF 2	1

PROJECT: 34'X10'X22' SOCCER PRESSBOX

5185 FORT CAMPBELL BOULEVARD

HOPKINSVILLE, KY 42240

CONTRACTOR: CHRISTIAN COUNTY SCHOOLS

SCALE: NTS

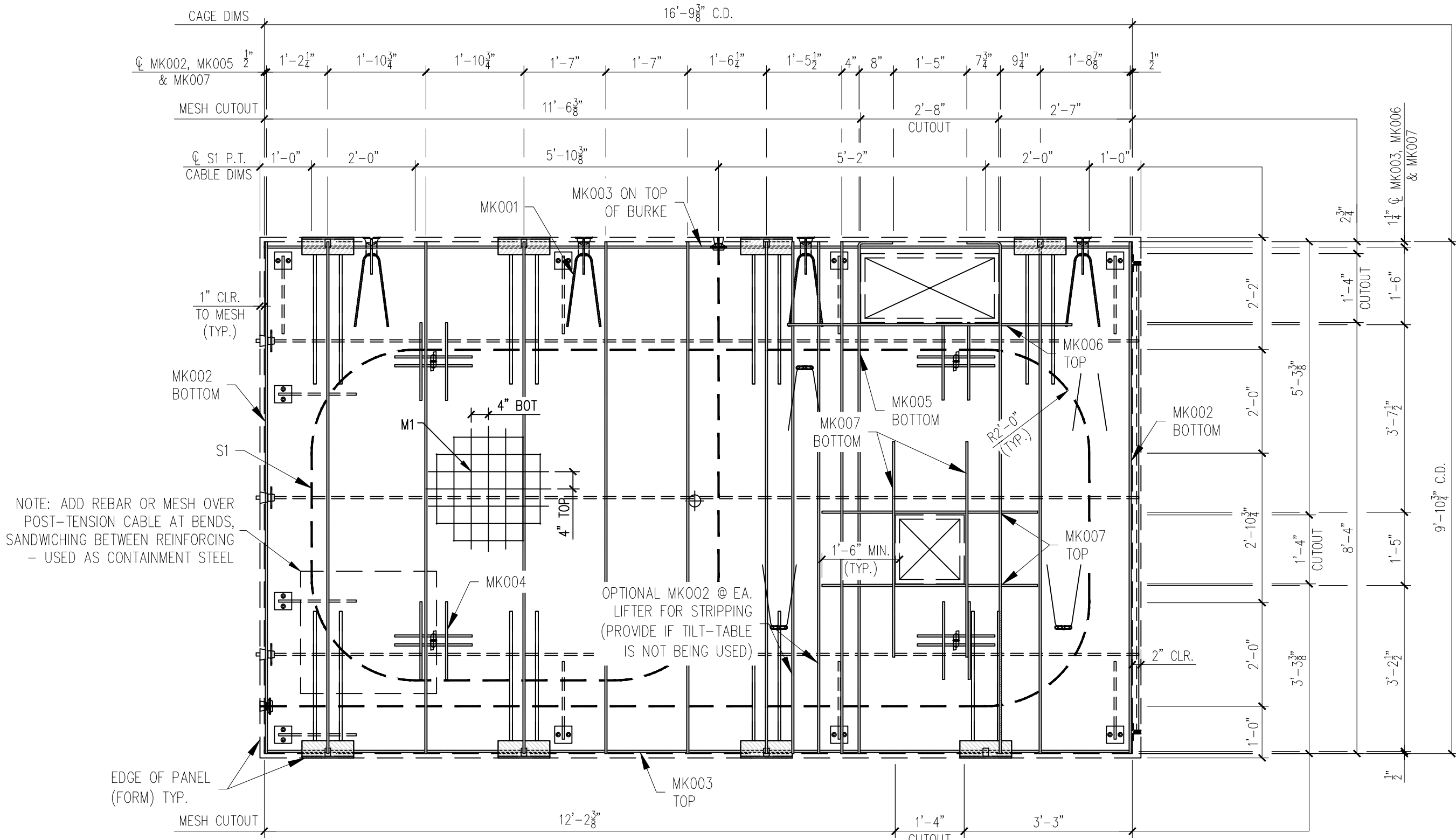
DRAWN BY: FTL

CHECK BY: WCR

ISSUE DATE: 07.14.26

PIECE MARK: FP-02

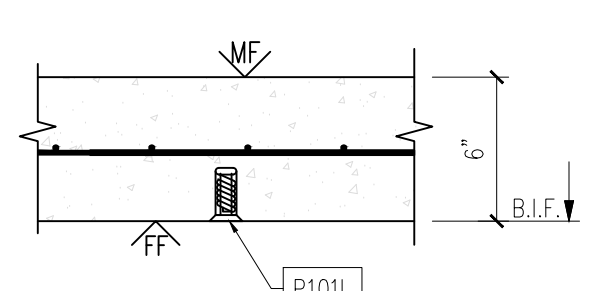
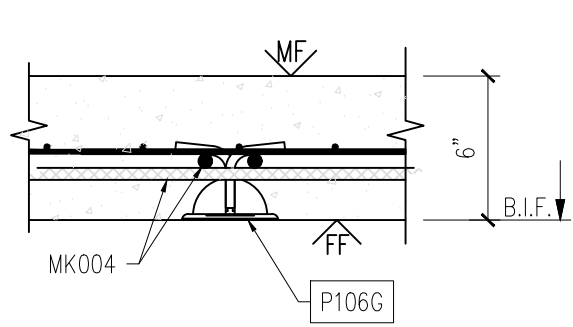
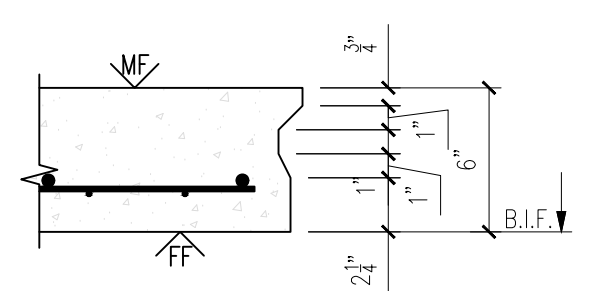
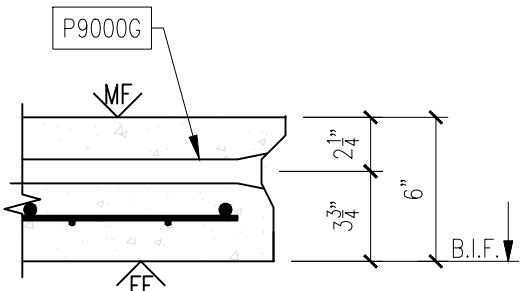
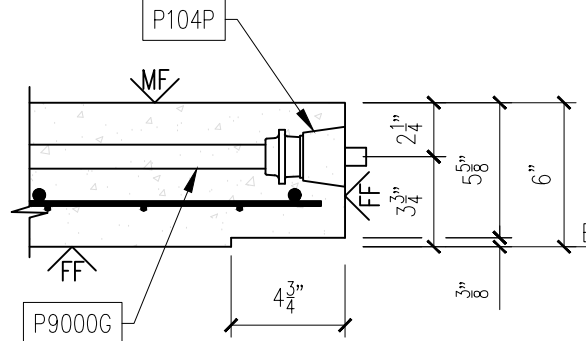
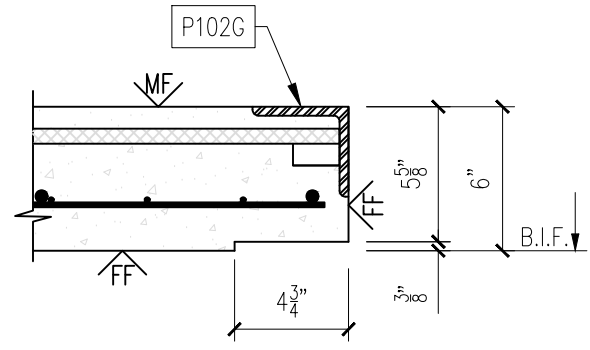
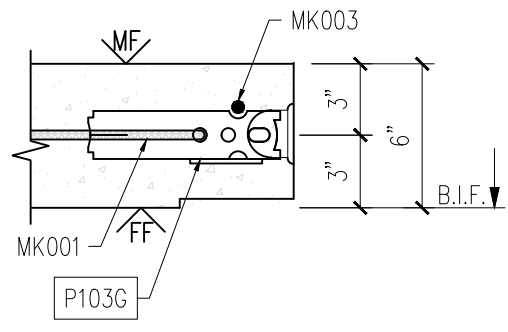
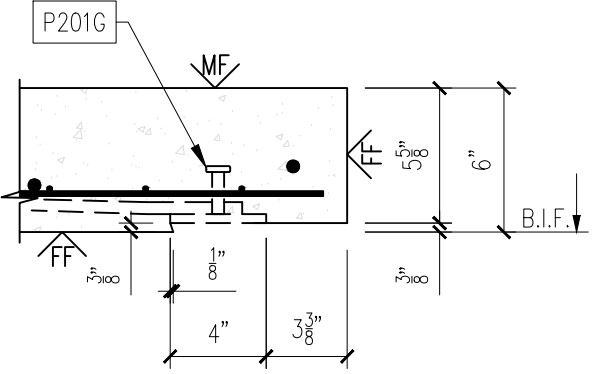
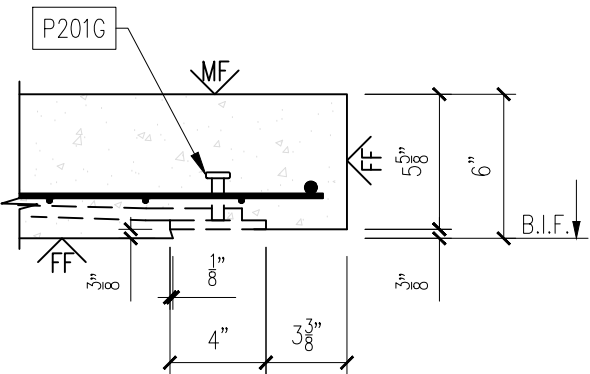
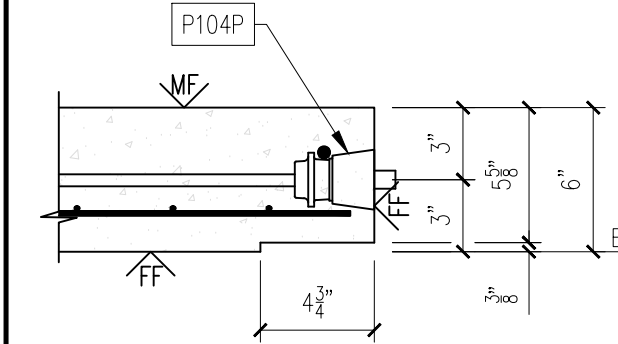
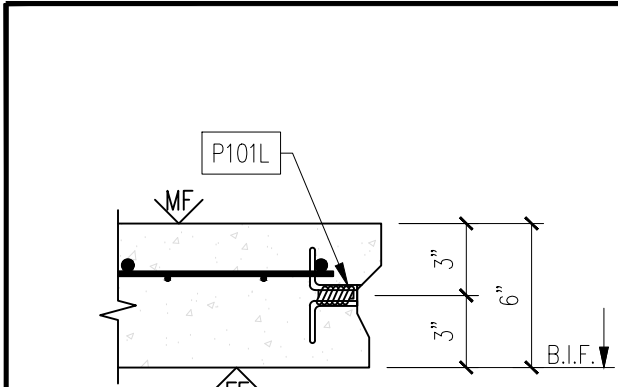
SHOP NOTE:
DIMENSIONS PROVIDED ARE PULLED
FROM EDGE OF
CAGE TO CENTERLINE OF REBAR AND
TO CENTER OF REBAR TO CENTER OF
REBAR (EXCEPT PT CABLE LOCATION)



FLOOR REINFORCING VIEW

SCALE: 1/2\"/>

25-3470
CCHS Precast Buildings
Pressbox
ID - CVBS
Floor - FP-02
Weight - 12,535
1 Required



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:

- 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)

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

REINFORCING SCHEDULE		
MARK #	DESCRIPTION	QTY
MK001	#3 X 3'-0"	8
MK002	#3 X 9'-10 3/4"	10
MK003	#3 X 16'-9 1/4"	2
MK004	#4 X 1'-6"	16
MK005	#3 X 10'-5 3/4"	2
MK006	#3 X 5'-6"	1
MK007	#3 X 4'-2"	4
S1	1/2" X 59'-3 1/2" LONG P.T. CABLE	1

MESH SCHEDULE		
MARK #	DESCRIPTION	QTY
M1	W4XW4 4"X4" WWF 16'-9 3/8" X 9'-10 3/4"	1

EASI-SET® WORLDWIDE

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

PROJECT: 34'X10'X22' SOCCER PRESSBOX
5185 FORT CAMPBELL BOULEVARD
HOPKINSVILLE, KY 42240
CONTRACTOR: CHRISTIAN COUNTY SCHOOLS

SCALE NTS
DRAWN BY FTL
CHECK BY WCR
ISSUE DATE 07.14.26
PIECE MARK FP-02

5119 Catlett Rd. • Midland, VA 22728 • info@EasiSet.com
www.EasiSet.com • 800-547-4045 • Fax 540-439-2541

PT Check for Floor Panels FP-02 (PCI MNL - 116)

Material Data

(7) Wire lo-lax Strand - ASTM A416

Φ_{ps} 0.500 in,

A_s 0.153 in²

E_s 28500000 psi

f_{pu} 270 ksi

Strand Length **676 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

Tensioning Computations

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

= 4.01 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 $t = \frac{807 \text{ lbs}}{807 \text{ lbs}} \alpha = \text{curvature} = \pi(2.5) = 7.85 \text{ radians}$

c) Friction losses $\frac{PD}{PS} = e^{-\{kL + \mu\alpha\}}$

= 0.649

Avg. strand force = 0.825 17.54% 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

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

= 0.806

Avg. strand force over

half of tendon = 0.903 9.72% Loss

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

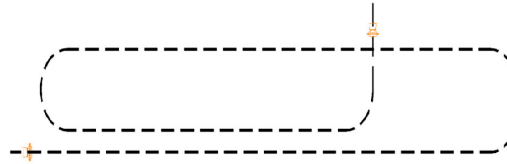
Elong. Adjustment = 0.390 in

Force Adjustment = 2809 lbs

Total Force Required = 32533 lbs **OK**

Elongation Summary:

Gross Theoretical Elongation			
Basic Elongation	4.01 in		
Dead End Seating Loss	0.125 in		
Live End Seating Loss	0.125 in		
Friction Losses	0.390 in		
Total Elongation	4.65 in		
Rounded	4 10/16 in		
Tolerance limits	-7.0%	4.33 in	4 5/16 in
	+7.0%	4.98 in	5 in



Cable Configuration

25-3470

CCHS Precast Buildings

Pressbox

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1 Required