DRAWING PACKAGE NUMBER: 105009C

50'X10'X9'–10" SOFTBALL DUGOUT BUILDING

CHRISTIAN COUNTY PUBLIC SCHOOLS
5185 FORT CAMPBELL BOULEVARD
HOPKINSVILLE, KY 42240

25-3470
CCHS Precast Building
Softball Dugout
Assembly Information

PREPARED FOR:

CUSTOMER: CHRISTIAN COUNTY SCHOOLS

PROJECT: CHRISTIAN COUNTY HIGH SCHOOL ATHLETIC COMPLEX

PRODUCER: ICAST

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 LINER FINISH. OTHER FINISHES MAY REQUIRE DIFFERENT CLEARANCES.
6. THE SHOP TICKETS PROVIDED SHOW THE EXTERIOR FINISH CAST FACE DOWN (EXCEPT THE ROOF).
7. TO ENSURE SQUARENESS, CHECK DIAGONALS.
8. THERE ARE NO IMPLIED WARRANTIES OR GUARANTEES.

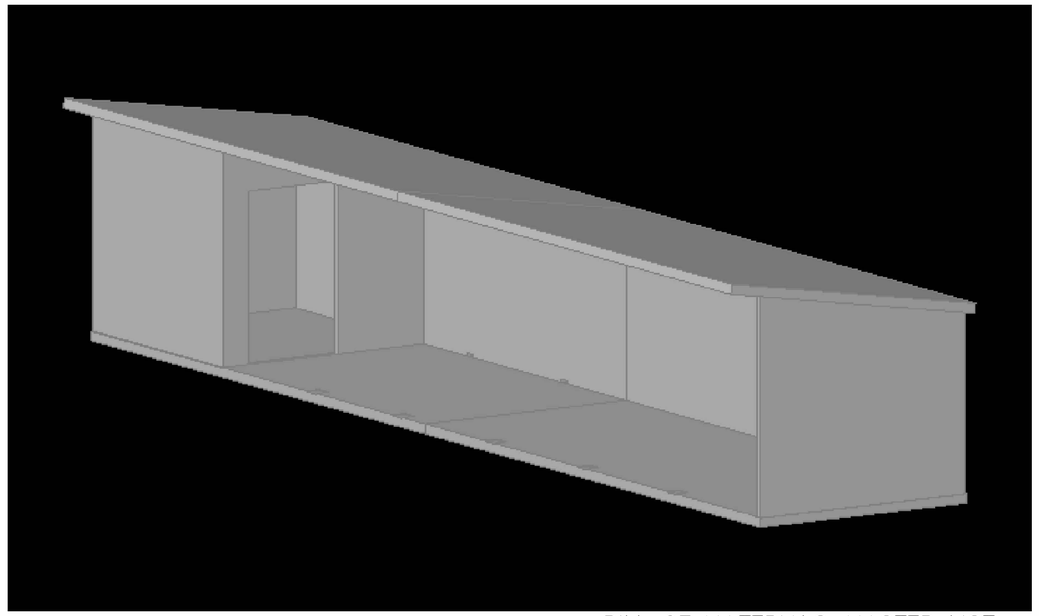
LEGEND

(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 DRAWINGS



PRODUCTION DRAWING INDEX

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FP–02	FLOOR SLAB TICKET		07.15.26
WP–01	NORTH WALL TICKET		07.15.26
WP–02	WEST WALL TICKET		07.15.26
WP–03	SOUTH WALL TICKET		07.15.26
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RP–02	ROOF SLAB TICKET		07.15.26

BILL OF MATERIALS–MASTER LIST

MARK NO.	DESCRIPTION	QTY
P101L	½"ø X 1¾" F–63 COIL INSERT (ELEC)	18
P103G	2–TON TECH ERECTION ANCHOR	16
P104P	U–5 POST TENSION ANCHOR	16
P107G	4–TON ERECTION ANCHOR	16
P9000P	4'–0"x7'–0" SNGL DOOR 3" FRAME	1
P9000G	1"ø E.M.T. TUBE OF VARIOUS LENGTHS	8
P102G	ESW P–4 LIFTING ANGLE (GALV.)	16
P108G	4–TON PLATE ANCHOR	16
P201G	4"X4"X⅜"W/(2) ⅜"ø X 1½" H.A.S. W/ 1'–4" BENT REBAR (GALVANIZED)	88
P202G	4"X4¾"X⅜"W/(2) ⅜"ø X 1½" H.A.S. W/ 1'–4" BENT REBAR (GALVANIZED)	6
P203G	4"X4¾"X⅜"W/(2) ⅜"ø X 1½" H.A.S. W/ 1'–4" BENT REBAR (GALVANIZED)	3

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

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5185 FORT CAMPBELL BOULEVARD
HOPKINSVILLE, KY 42240
CONTRACTOR: CHRISTIAN COUNTY SCHOOLS

COVERSHEET

SCALE NTS
DRAWN BY FTL
CHECK BY WCR
ISSUE DATE 07.20.26

SHEET P–01

STRESSING PROCEDURES For Roofs and Floors – Model 105009C

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 ½" 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.

25-3470
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Softball Dugout
Assembly Information

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.

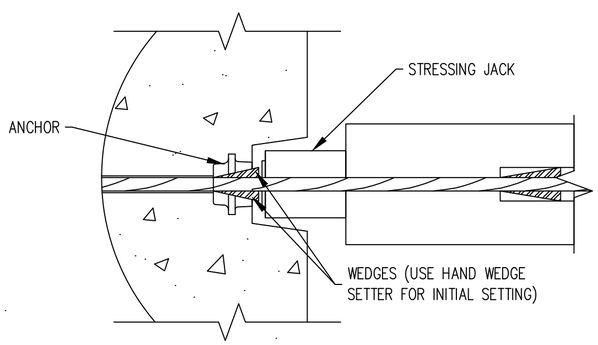
7. Activate pump and observe gauge. If pressure does not build up promptly, check system for leakage and make sure that anchors and wedges on both ends of the POLYSTRAND®tendons are properly engaged. After an initial tension on the strand (5K), stop and check for alignment. Make sure that the strand 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.



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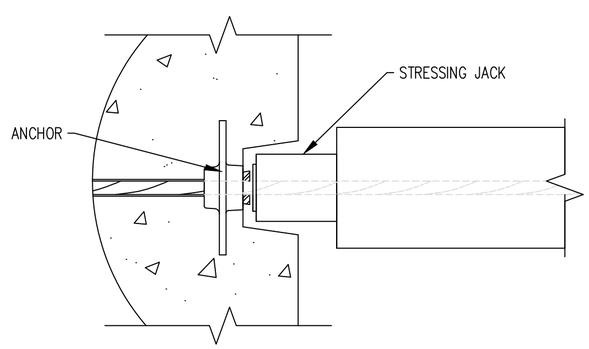

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DESCRIPTION	INI.	REV	DATE
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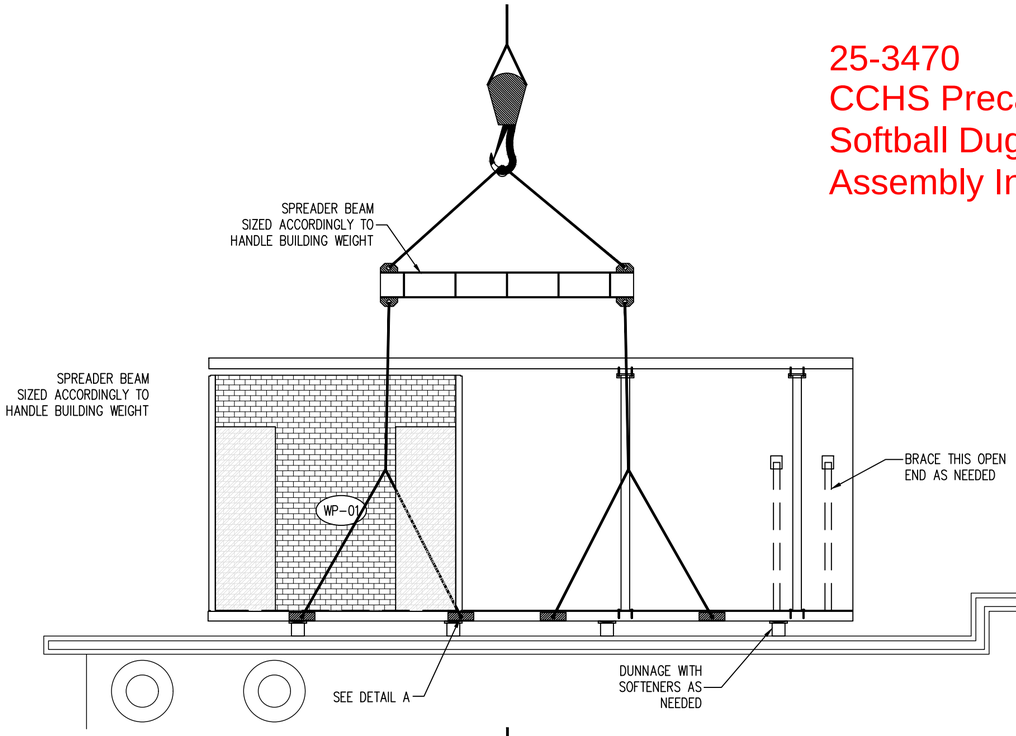
PROJECT: 50'x10'x9'–10" SOFTBALL DUGOUT
5185 FORT CAMPBELL BOULEVARD
HOPKINSVILLE, KY 42240
CONTRACTOR: CHRISTIAN COUNTY SCHOOLS

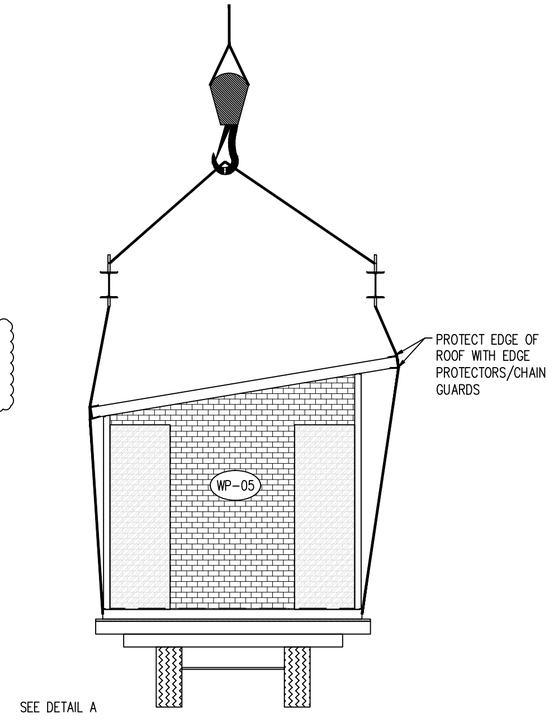
STRESSING PROCEDURES

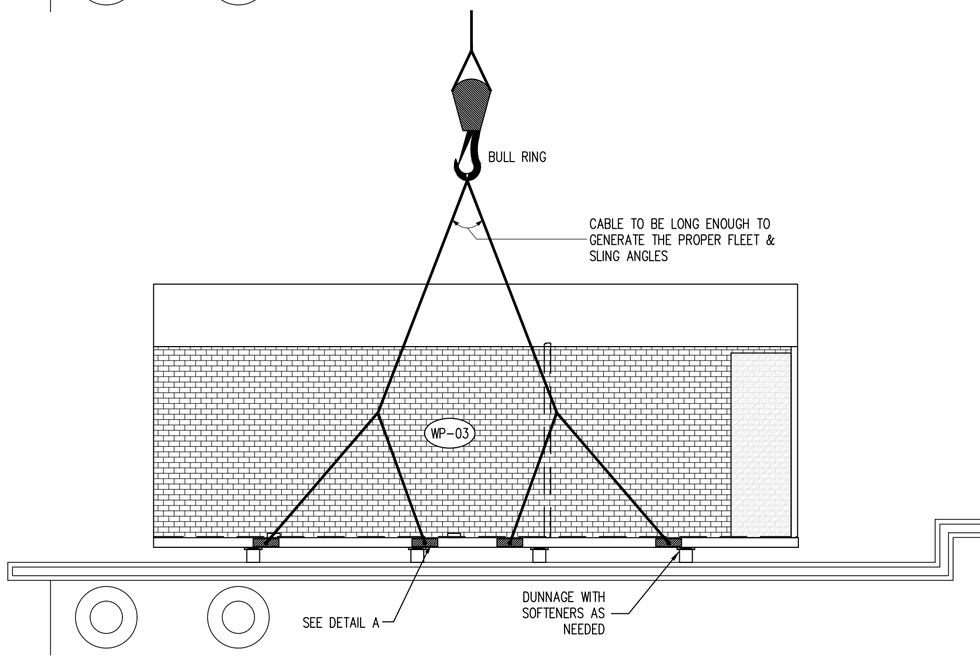
SCALE NTS
DRAWN BY FTL
CHECK BY WCR
ISSUE DATE 07.20.26
SHEET P–02

25-3470
CCHS Precast Building
Softball Dugout
Assembly Information

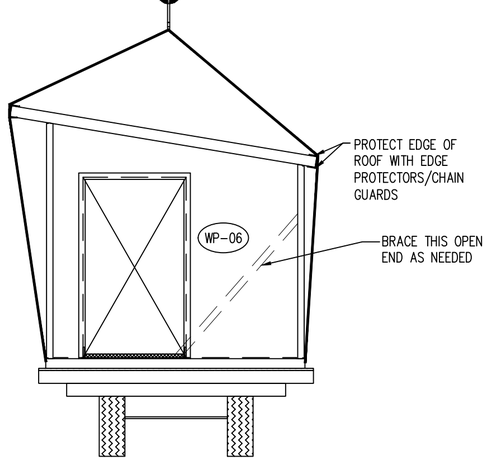


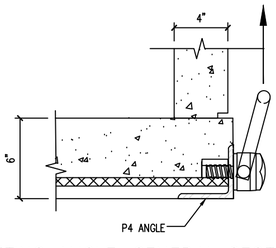
NOTE:
MAINTAIN PROPER SLING ANGLES &
FLEET ANGLES AS PER MANUFACTURES
RECOMMENDATIONS





OPTIONAL CABLE RIG





LIFTING ANGLE–GENERAL SECTION
SCALE: 2" = 1'-0"

A

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 WARRANTEES.
3. MAINTAIN PROPER SLING ANGLES, RIGGING PRACTICES AND TECHNIQUES AS PER MANUFACTURERS RECOMMENDATIONS

BUILDING/MODULE –#1 WEIGHT

PANEL	WEIGHT (LBS)
FLOOR SLAB (FP-01)	15,655
WEST WALL (WP-02)	3,380
SOUTH WALL (WP-04)	7,525
ROOF SLAB (RP-01)	18,750
TOTAL NET BLDG:	45,310

BUILDING/MODULE –#2 WEIGHT

PANEL	WEIGHT (LBS)
FLOOR SLAB (FP-02)	15,635
NORTH WALL (WP-01)	3,550
SOUTH WALL (WP-03)	7,535
EAST WALL (WP-05)	3,380
INTERIOR WALL (WP-06)	1,950
ROOF SLAB (RP-02)	18,750
TOTAL NET BLDG:	50,800

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SHIPPING AND HANDLING GUIDE

SCALE NTS
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SHEET P-03

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CUSTOMER: CHRISTIAN COUNTY SCHOOLS

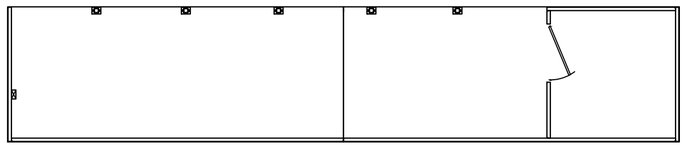
PROJECT: CHRISTIAN COUNTY HIGH SCHOOL ATHLETIC COMPLEX

PRODUCER: ICAST

25-3470
CCHS Precast Building
Softball Dugout
Assembly Information

PREPARED FOR:

FOR CONSTRUCTION DRAWINGS



GENERAL NOTES:

1. DESIGN SPECIFICATIONS
   - IBC 2015
   - ASCE 7-10
   - ACI 318-11
   - PCI 7TH ED.
2. LOADS
   - ROOF LIVE LOAD: 20 PSF
   - FLOOR LIVE LOAD: 100 PSF
   - WIND LOADING: 130 MPH
   - SEISMIC DESIGN: DESIGN CATEGORY C
3. 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 1064

ABBREVIATIONS:

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

DRAWING INDEX

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E-04	CONNECTION LAYOUT		04.08.26
E-05	CONNECTION LAYOUT (ELEVATIONS)		04.08.26
E-06	LIGHTING PLAN		04.08.26
E-07	CONNECTION DETAILS		04.08.26
E-08	SITE PREPARATION		04.08.26

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COVERSHEET

JOB # -
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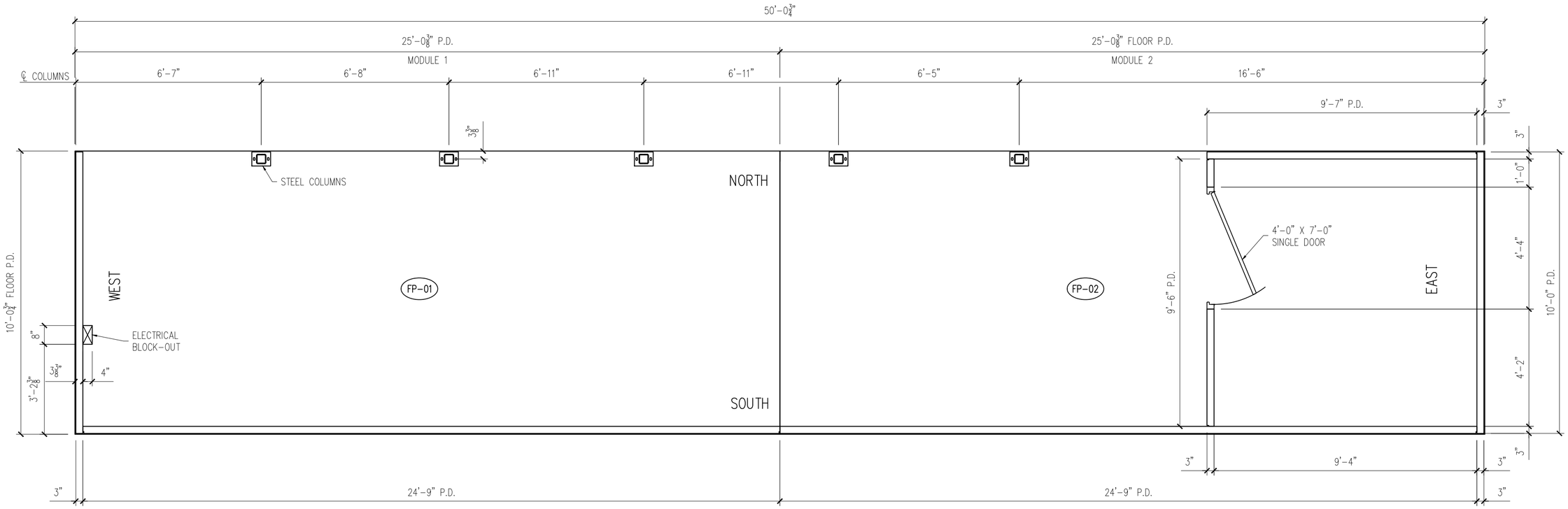
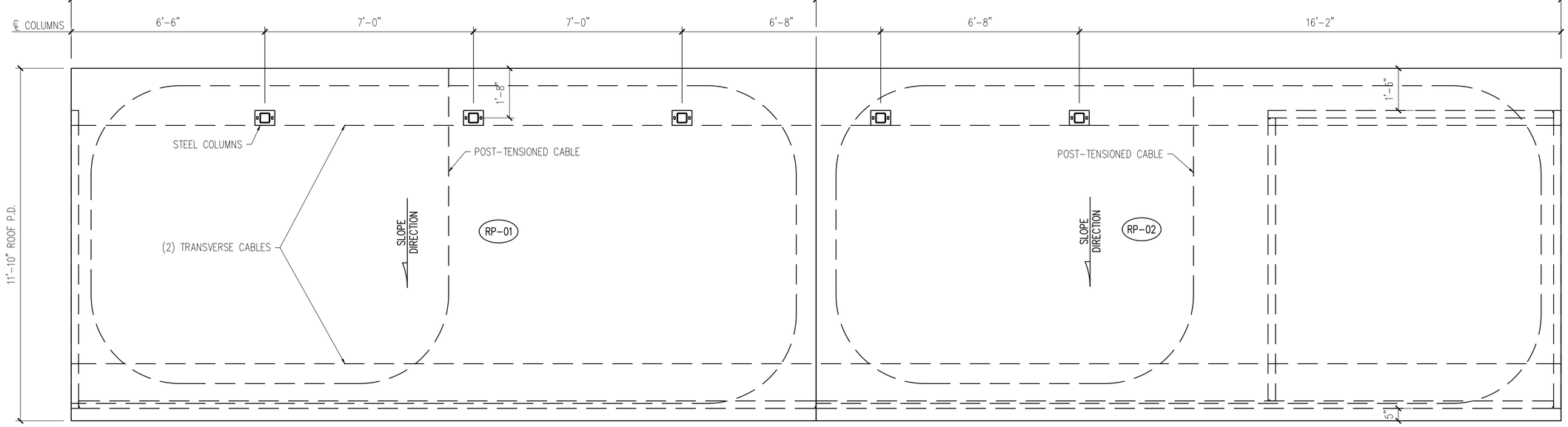
ISSUE DATE 04.08.26

SHEET E-01



FLOOR PLAN



ROOF PLAN

25-3470
CCHS Precast Building
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GENERAL NOTES:
1. 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
2. ALL VIEWS ARE FROM EXTERIOR
3. A SIGNED COPY MUST BE RETURNED BEFORE BUILDING CAN BE RELEASED FOR PRODUCTION

MESSAGE CENTER

BUILDING FINISH WALLS: EASI-BRICK
ROOF: BROOM FINISH
BUILDING STAIN COLOR(1): 7001 MARSHMALLOW
COLOR(2): 6108 LATTE
BUILDING STAIN ROOF
BUILDING WEIGHT – LBS

CUSTOMER APPROVAL

APPROVED BY: DATE:

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PLAN VIEWS

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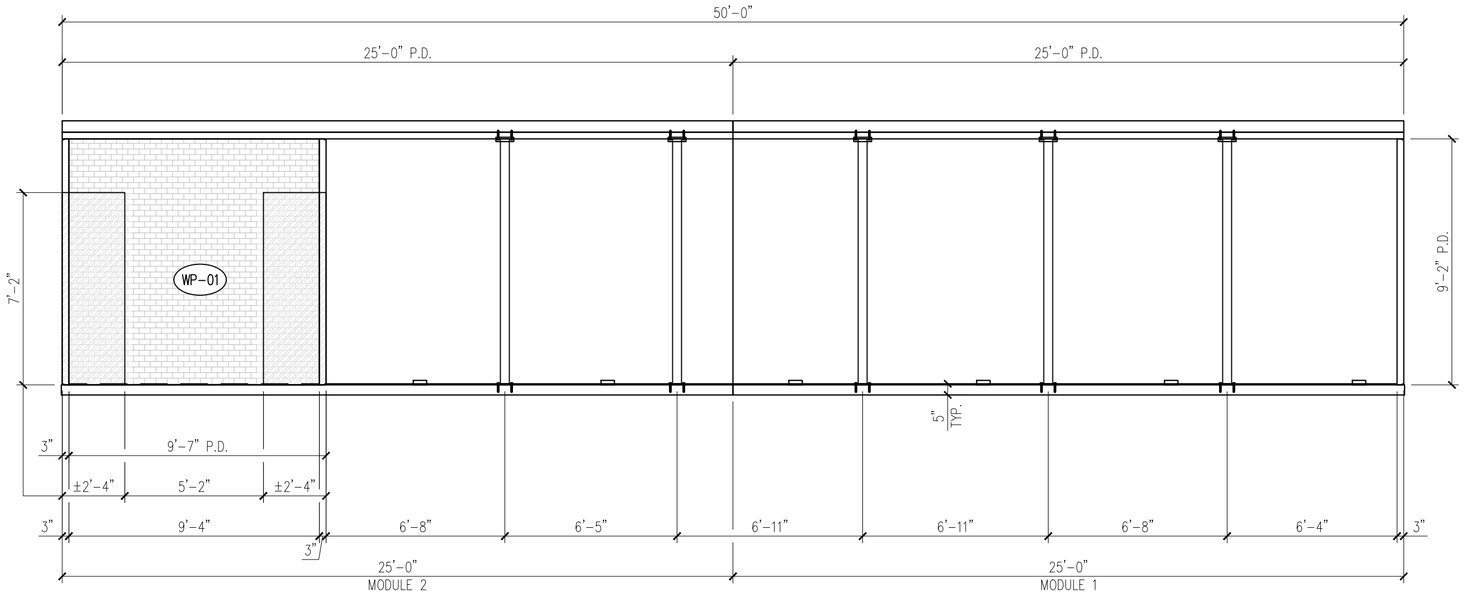
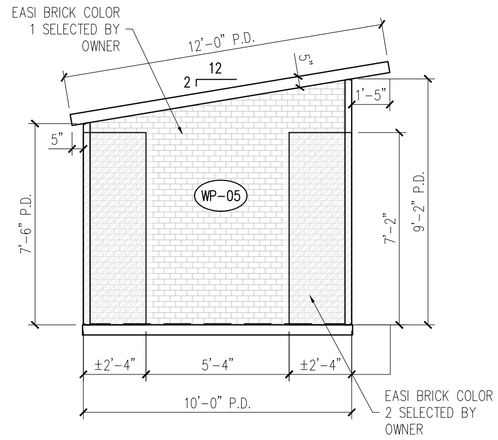
SHEET E-02



NORTH ELEVATION



EAST ELEVATION

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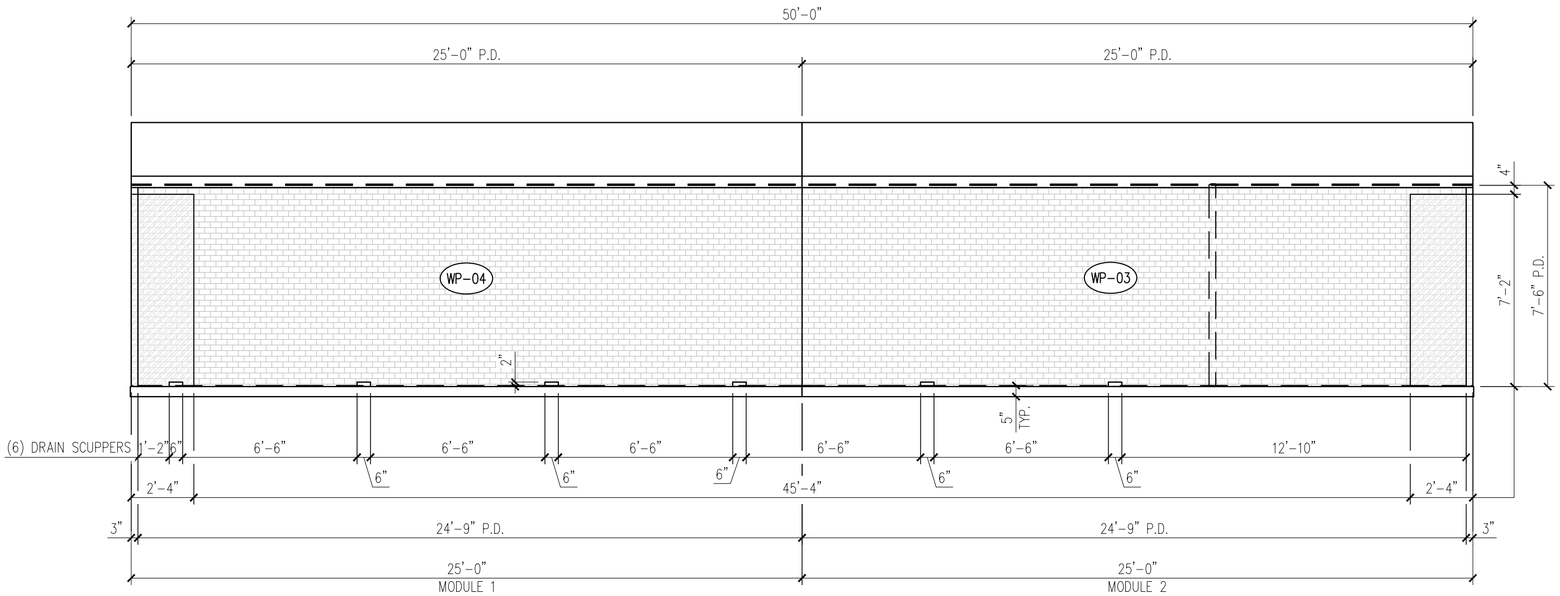
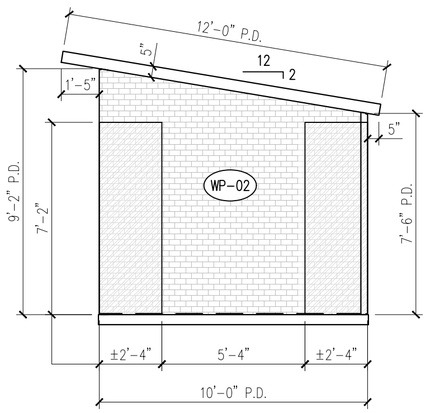


SOUTH ELEVATION



WEST ELEVATION

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DUGOUT ELEVATIONS

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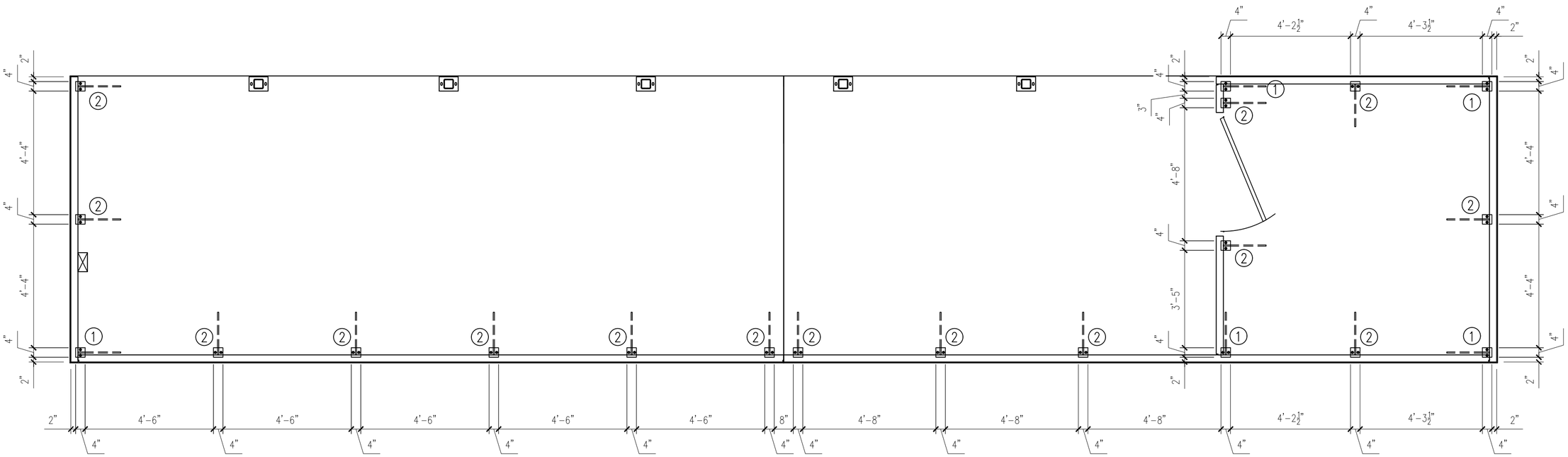
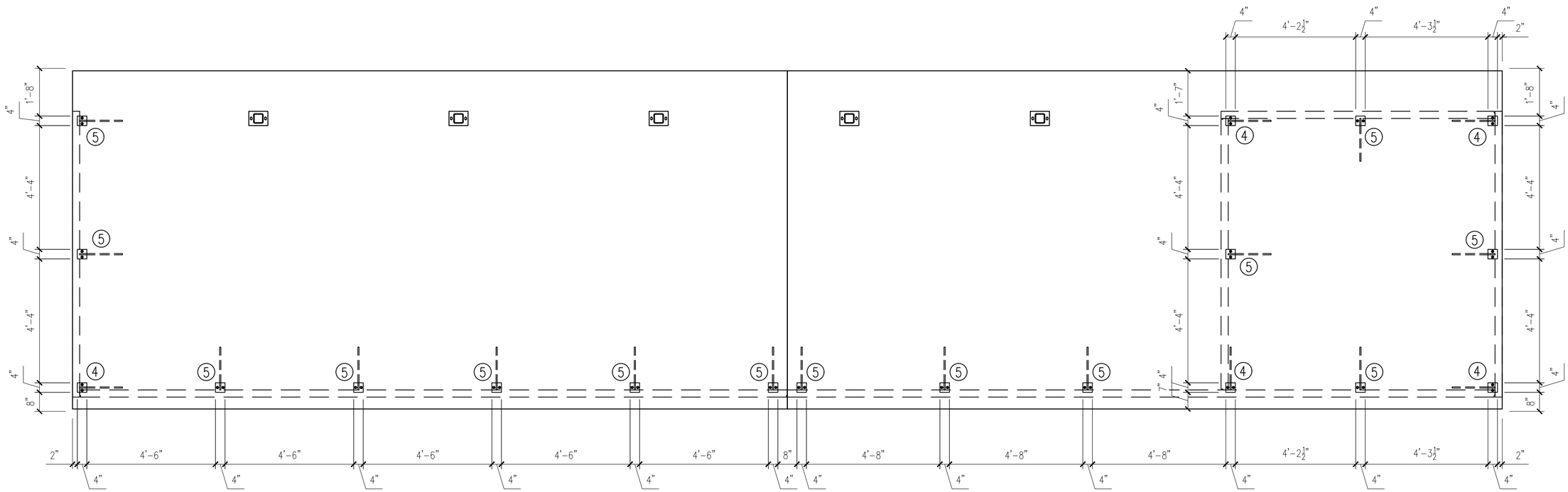
SHEET E-03



FLOOR PLAN



ROOF PLAN

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CONNECTION LAYOUT

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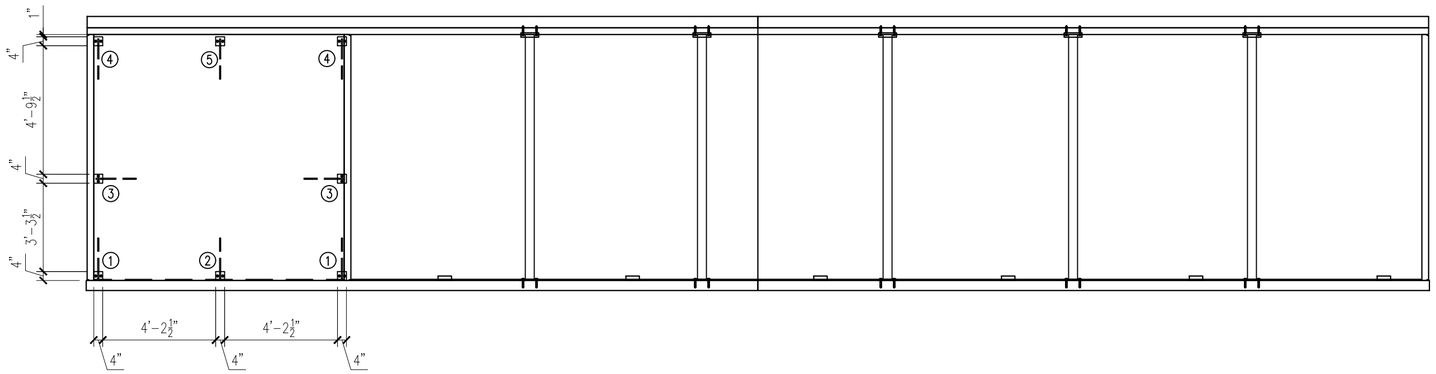
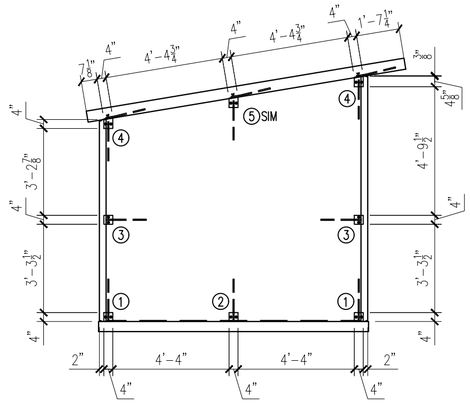
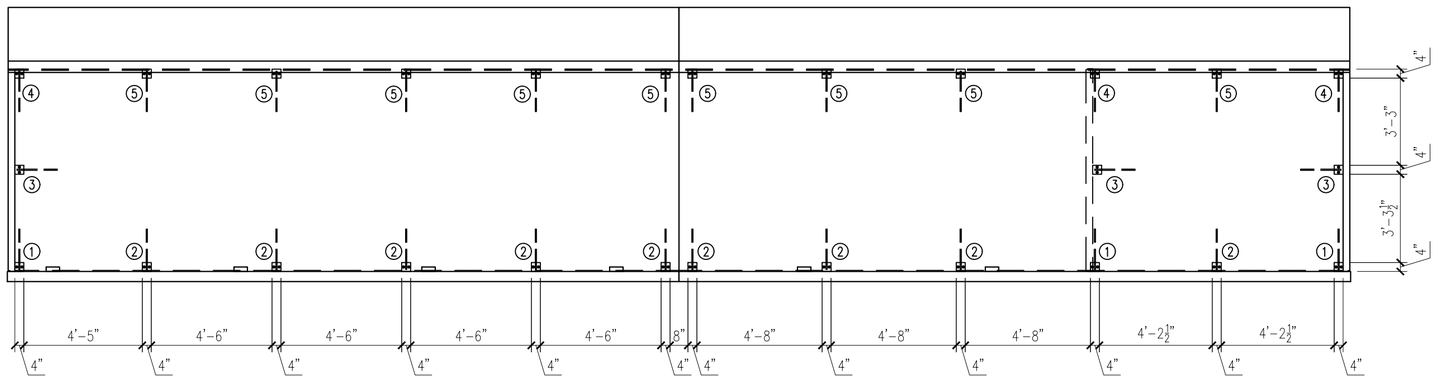


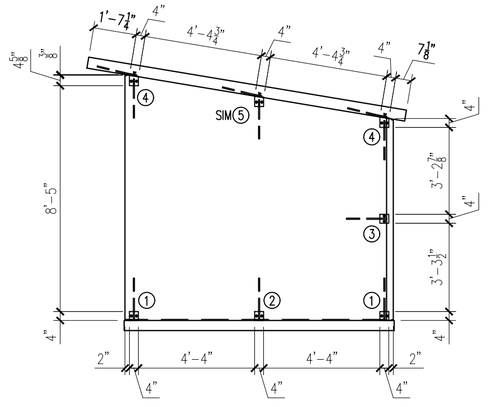
NORTH ELEVATION



EAST ELEVATION



SOUTH ELEVATION



WEST ELEVATION

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

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

PROJECT: 50'x10'x9'-10" SOFTBALL DUGOUT
5185 FORT CAMPBELL BOULEVARD
HOPKINSVILLE, KY 42240
CONTRACTOR: CHRISTIAN COUNTY SCHOOLS

CONNECTION
LAYOUT
ELEVATIONS

JOB #
-

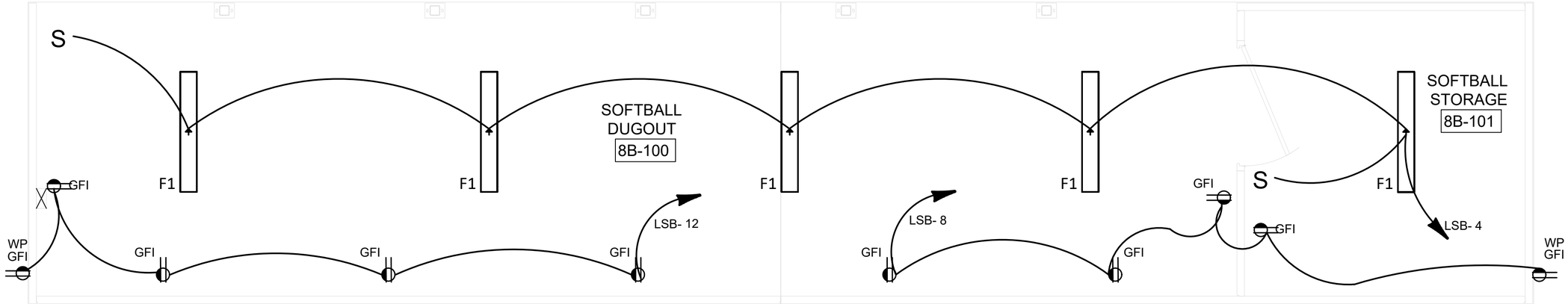
DRAWN BY
FTL

CHECK BY
WCR

ISSUE DATE
04.08.26

SHEET
E-05

25-3470
CCHS Precast Building
Softball Dugout
Assembly Information



LIGHTING PLAN

LIGHTING FIXTURE SHEDULE:

F1 = (25W/LED) 4 FT. NARROW HIGH ABUSE RESISTANT FIXTURE LOW LUMEN
LSB-4 = DUGOUT LIGHTS (20A) (1P)
LSB-8 = DUGOUT RECEPTACLES (20A) (1P)
LSB-12 = DUGOUT RECEPTACLES (20A) (1P)

ELECTRICAL SYMBOL LEGEND:

S = SINGLE POLE SWITCH
$\overline{GFI}$ = 115 VOLT GROUND FAULT RECEPTACLE
$\overline{GFI}$ = DUPLEX RECEPTACLE WITH WEATHERPROOF COVER

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5185 FORT CAMPBELL BOULEVARD
HOPKINSVILLE, KY 42240
CONTRACTOR: CHRISTIAN COUNTY SCHOOLS

LIGHTING PLAN

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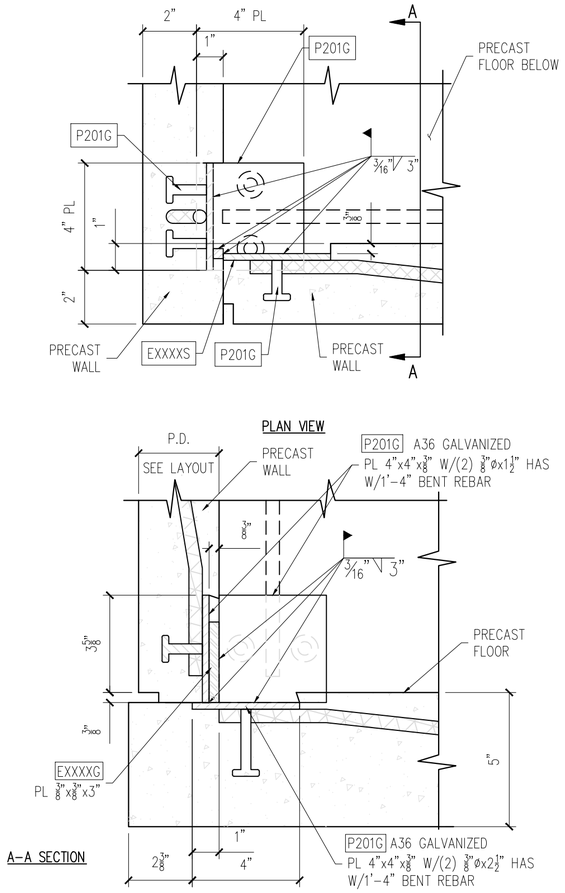
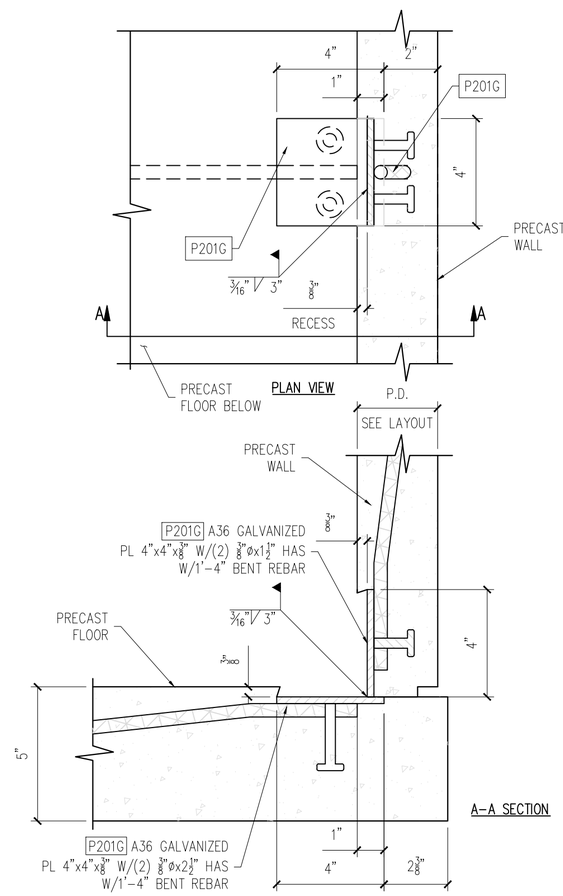
ISSUE DATE 04.08.26
SHEET E-06



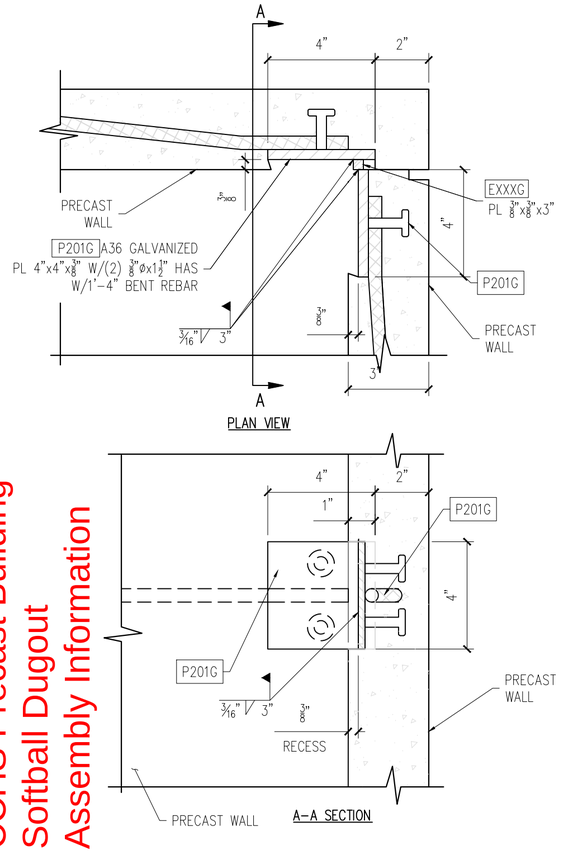
WALL TO FLOOR CONNECTION (CORNER)

1



WALL TO FLOOR CONNECTION (MID-SPAN)

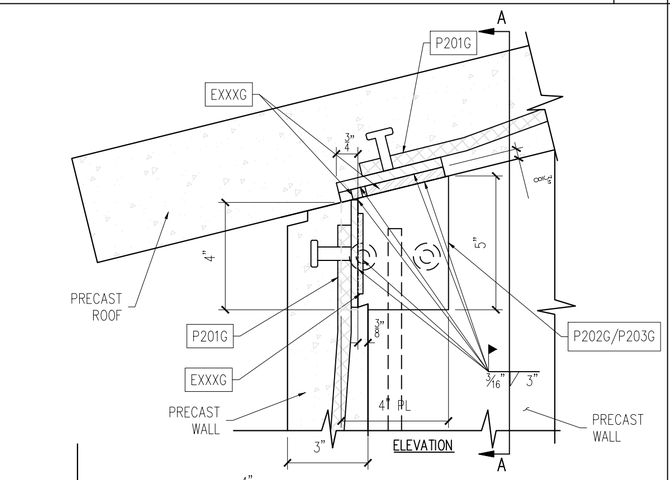
2



WALL TO WALL CONNECTION

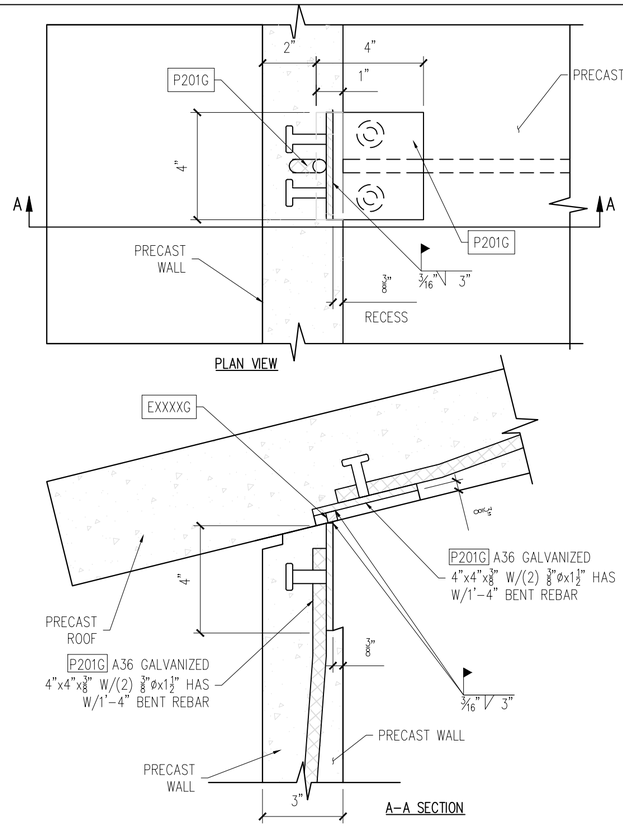
3

25-3470
CCHS Precast Building
Softball Dugout
Assembly Information



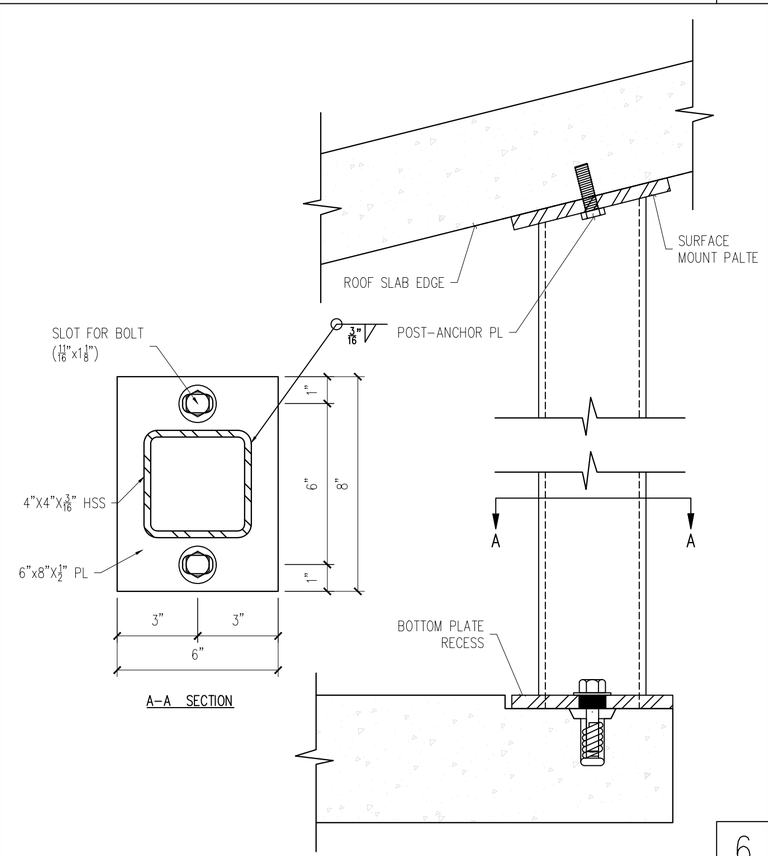
WALL TO ROOF CONNECTION (CORNER)

4



WALL TO ROOF CONNECTION (MID-SPAN)

5



6

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PROJECT: 50'x10'x9'-10" SOFTBALL DUGOUT
5185 FORT CAMPBELL BOULEVARD
HOPKINSVILLE, KY 42240
CONTRACTOR: CHRISTIAN COUNTY SCHOOLS

CONNECTION DETAILS

JOB # -
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CHECK BY WCR
ISSUE DATE 04.08.26
SHEET E-07

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 ¼" 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.

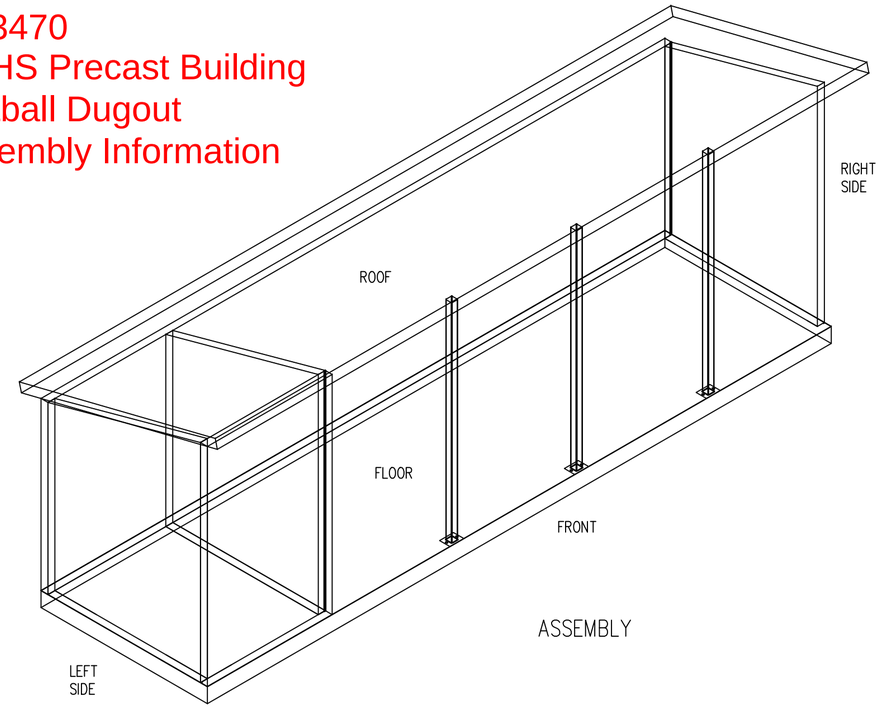
C. THE CRUSHED STONE BASE SHALL BE KEPT WITHIN THE CONFINES OF THE SOIL OR PERIMETER FORM. DO NOT ALLOW THE BASE TO BECOME UNCONFINED SO THAT IT MAY WASH, ERODE, OR OTHERWISE BE UNDERMINED.
OR
IF BUILDING IS PLACED ON PAVEMENT OR A CONCRETE SLAB, SUBSTRATE BELOW PAVEMENT OR SLAB MUST HAVE A VERTICAL 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.

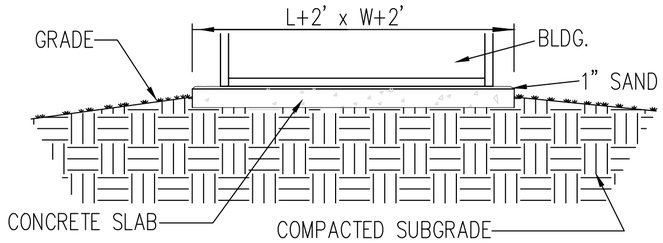
ACCESS

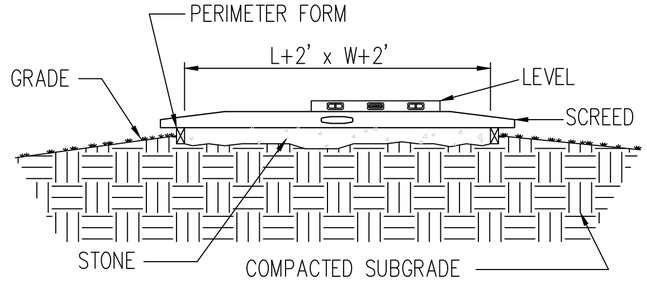
A. CONTRACTOR MUST PROVIDE LEVEL UNOBSTRUCTED AREA LARGE ENOUGH FOR A CRANE AND A TRACTOR-TRAILER TO PARK ADJACENT TO THE PAD. CRANE MUST BE ABLE TO PLACE OUTRIGGERS WITHIN 5'-0" OF EDGE OF PAD AND TRUCK AND CRANE MUST BE ABLE TO GET SIDE BY SIDE UNDER THEIR OWN POWER. NO OVERHEAD LINES MAY BE WITHIN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

25-3470
CCHS Precast Building
Softball Dugout
Assembly Information



ASSEMBLY





SITE PREPARATION
SCALE: N.T.S.

MESSAGE CENTER

CUSTOMER APPROVAL

APPROVED BY: DATE:

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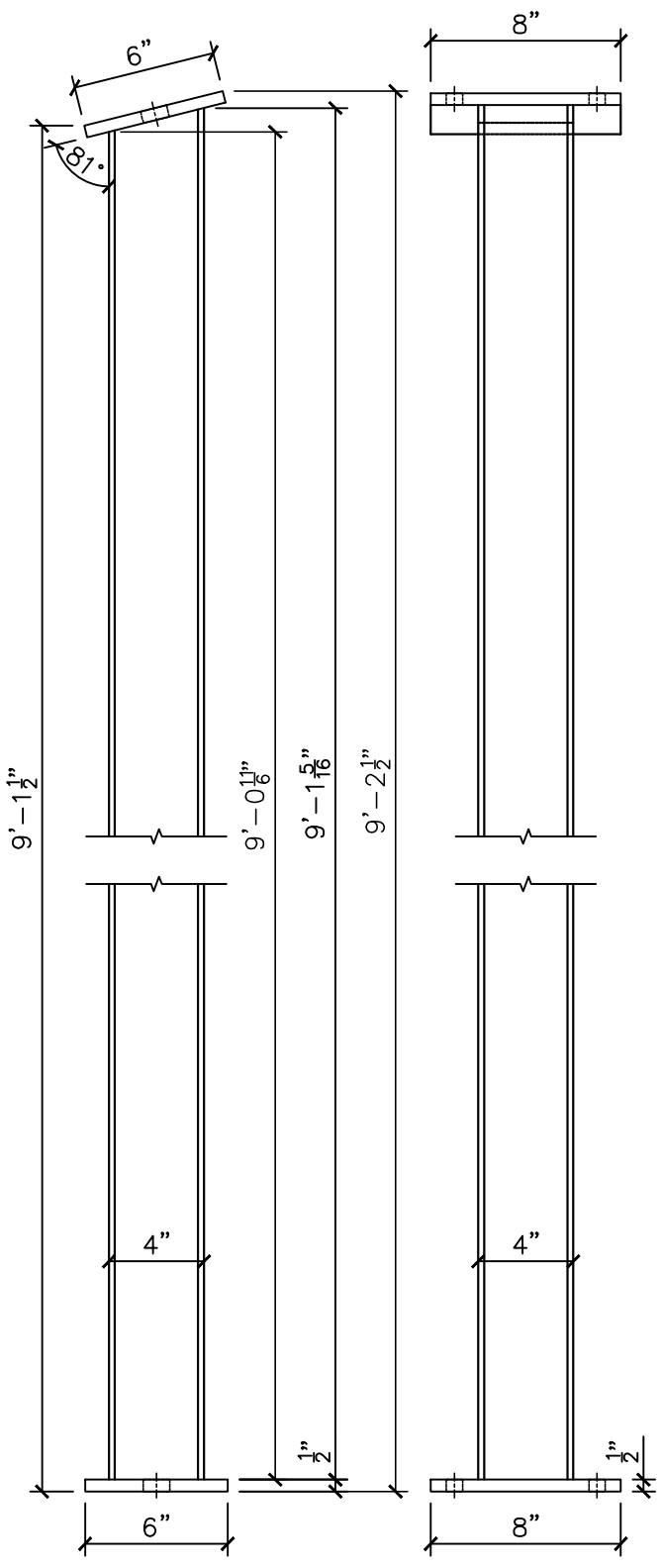
PROJECT: 50'x10'x9'-10" SOFTBALL DUGOUT
5185 FORT CAMPBELL BOULEVARD
HOPKINSVILLE, KY 42240
CONTRACTOR: CHRISTIAN COUNTY SCHOOLS

SITE PREPARATION

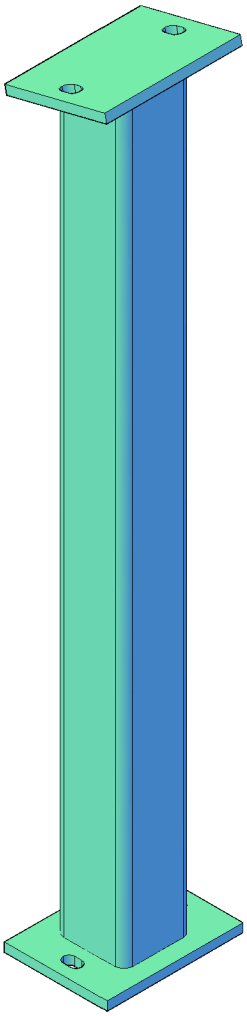
JOB # -
DRAWN BY FTL
CHECK BY WCR
ISSUE DATE 04.08.26

SHEET E-08

25-3470
CCHS Precast Buildings
Left Hand Dugout

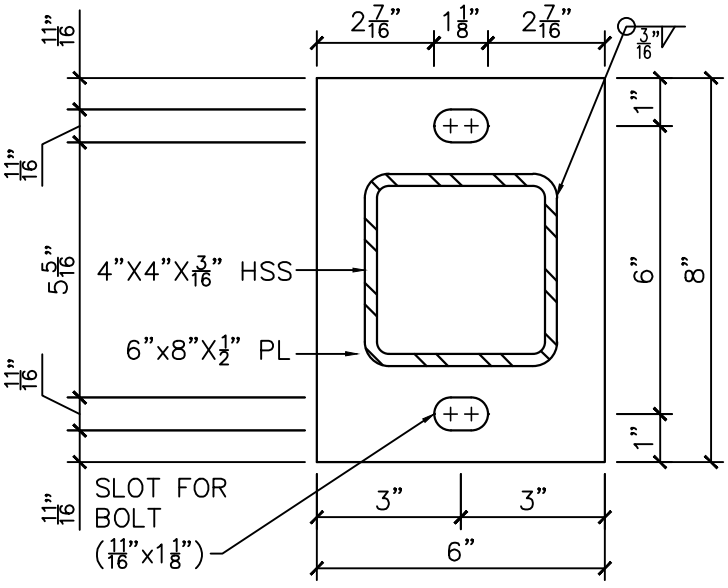


SIDE VIEW FRONT VIEW



3D VIEW
NOT TO SCALE

NOTE: HOLD TIGHT TOLERANCE ON DIMENSIONS PROVIDED +0”/–1/8”



BASE PLATE

PROJECT: 50’ & 60’ DUGOUT – CHRISTIAN COUNTY

PROJECT NO.: –

ORDER HISTORY	
DATE	QTY.
–	–
–	–
–	–

TOTAL QUANTITY NEEDED FOR JOB → QUANTITY: 20

DRAWN BY: –

FINISH: PLAIN–PAINTED

HARDWARE ITEM: –

ISSUE DATE: 08.05.26

APPROVAL:

ITEM COST: $. – / /

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