

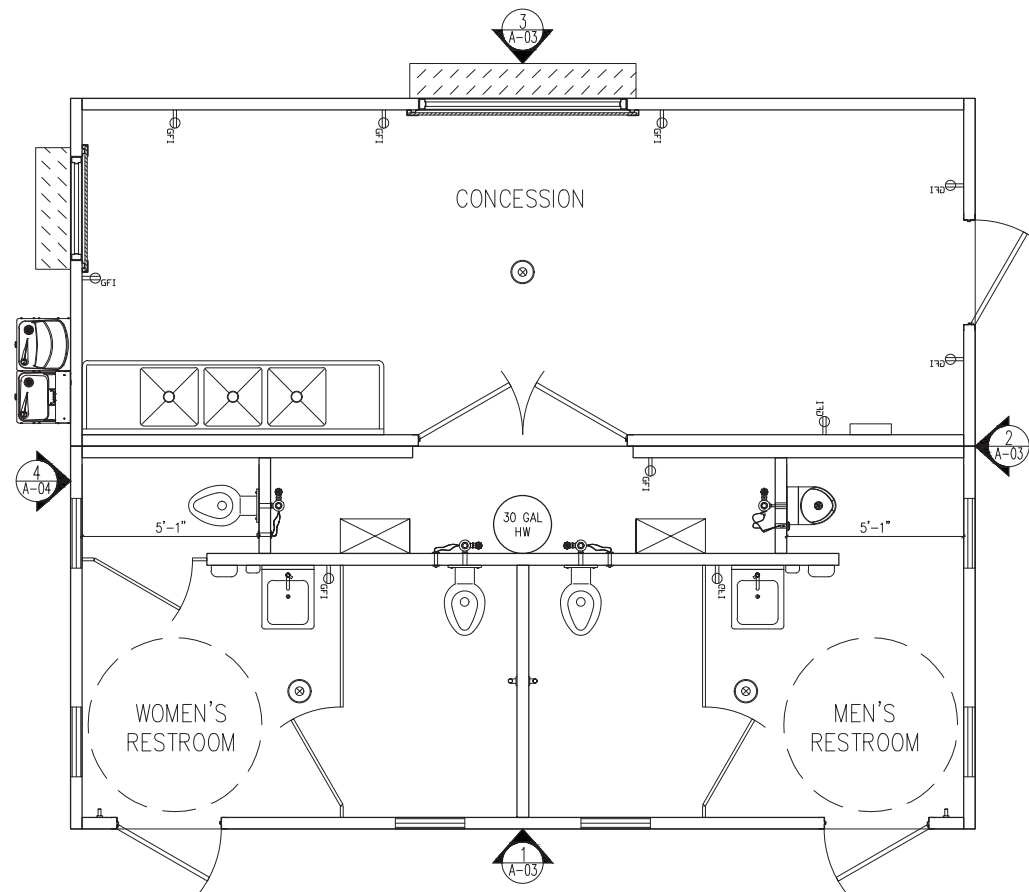


STRUCTURE CAST

8621 Mc CUTCHEN ROAD BAKERSFIELD, CA 93311

PROJECT: 23-101019

LEBRIGHT FIELD
EASI-SET CONCESSION/RESTROOM BUILDING
21'-0" x 26'-0" x 8'-0"



KEY PLAN

OWNER: -

CONTRACTOR: -

MATERIALS FOR PRECAST CONCRETE PROJECTS

- CONCRETE: Hard Rock 150 pcf; f'c= 5000 psi; f'ci= 2500 psi., typ. u.o.n.
- WELDED WIRE FABRIC: ASTM A185, Fy= 65 ksi > W1.2, Fsu= 75 ksi.
- REINFORCING BARS (Non-weldable): A615-60, Fy= 60 ksi, Fu= 90 ksi
- REINFORCING BARS (Weldable): A706, Fy= 60 ksi, Fu= 80 ksi
- PRESTRESSING - 1/2" phi 270 ksi 7 Wire Low Relaxation Strands ASTM A416
P Jack = 31 Kip Max.
P Seat = 28.9 Kip
P Eff = 23.55 Kip
- STEEL PLATE; FLAT BAR, STRUCTURAL SHAPES; ASTM A36 (Fsu= 58 ksi), BLACK IRON
- STEEL TUBES; ASTM A500 GRADE B (Fsu= 46 ksi), BLACK IRON
- MACHINE THREADED RODS ASTM A36. ELCTROPLATED PER ASTM B633, SC3
- NATIONAL COARSE THREAD BOLTS: ASTM A307. ZINC COATED PER ASTM A123
- COIL THREADED RODS ASTM A36 (Fy=36 ksi). ELECTROPLATED PER ASTM B633, SC3
- WELDS PER AWS D1.1 - PREQUALIFIED WELDING PROCESSES ONLY (SMAW; FCAW; GMAW OR SAW) WITH LOW HYDROGEN E70XX
- WELDING SPECIFICATIONS: Welding of Structural Steel AWS D1.1-98; E70XX
Welding of Reinforcing Bars AWS D1.4-98; E70XX
Welding of Sheet Steel AWS D1.3-98; E70XX
ELECTRODES, PREHEAT ALL STEEL SECTIONS GREATER THAN 3/4" THICK.
- HEADED WELDING STUDS ASTM A496 OR ASTM A108 (Fy= 54 ksi, Fsu= 60 ksi, AWS D1.1, CHAPTER 4, PART F).
- DEFORMED BAR ANCHORS ASTM A496 (Fy= 70 ksi, Fsu= 80 ksi USE 1/2"; 5/8" OR 3/4" SIZES).
- CONCRETE INSERTS (COIL OR FERRULE LOOP): DAYTON-SUPERIOR. ELECTROPLATED PER ASTM B633
- HANDLING INSERTS: BURKE RAPID-LIFT OR DAYTON-RICHMOND. ELECTROPLATED PER ASTM B633
- ERECTION INSERTS: BURKE ERECTION ANCHORS, DAYTON-SUPERIOR A-18 OR A-33 COIL LOOP INSERTS. ELECTROPLATED PER ASTM B633
- LIFT LOOPS FOR HANDLING: 3/8" phi - 7x19 OR 5/8" phi - 6x19 GALVANIZED AIRCRAFT CABLE LOOPS.
- COIL SLOTTED INSERTS: HALFEN COIL THREAD ANCHOR CHANNELS. GALVANIZED G165
- FIELD INSTALLED EXPANSION ANCHORS POWERS POWER-STUD+SD2 (ESR-2502) OR EQUAL

DRAWING INDEX

Table with 5 columns: REV. NO., DRAWING NUMBER, DESCRIPTION, ISSUED FOR APPROVAL, REVISION, ISSUED FOR CONSTRUCTION. Rows include COVER SHEET, FLOOR PLAN, ROOF PLAN, EXTERIOR ELEVATIONS, EXTERIOR & INTERIOR ELEVATIONS, INTERIOR ELEVATIONS, ARCHITECTURAL DETAILS, PLAN & ELEVATIONS PER ADA REQUIREMENTS, and SITE PREPARATION.

ISSUED FOR APPROVAL 06-09-23



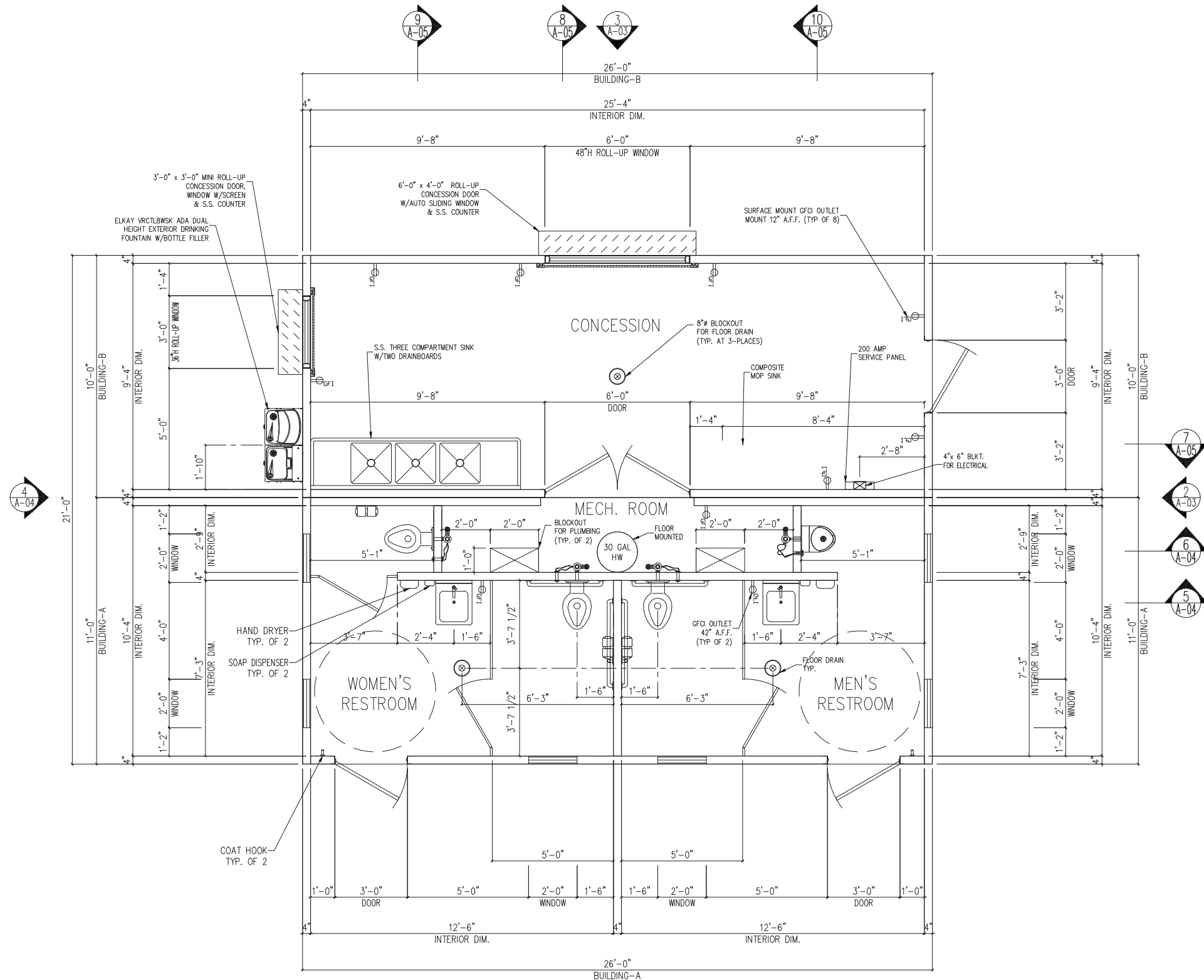
STRUCTURE CAST

Table with columns for DATE, REVISIONS, DRAWN BY, NO, DATE, DESCRIPTION, BY, CHECKED BY, JOB NO, OWNER, ENGINEER, CONTRACTOR.

PROJECT: LEBRIGHT FIELD
EASI-SET CONCESSION/RESTROOM BUILDING
21'-0" x 26'-0" x 8'-0"

COVER SHEET

DWG NO: A-00

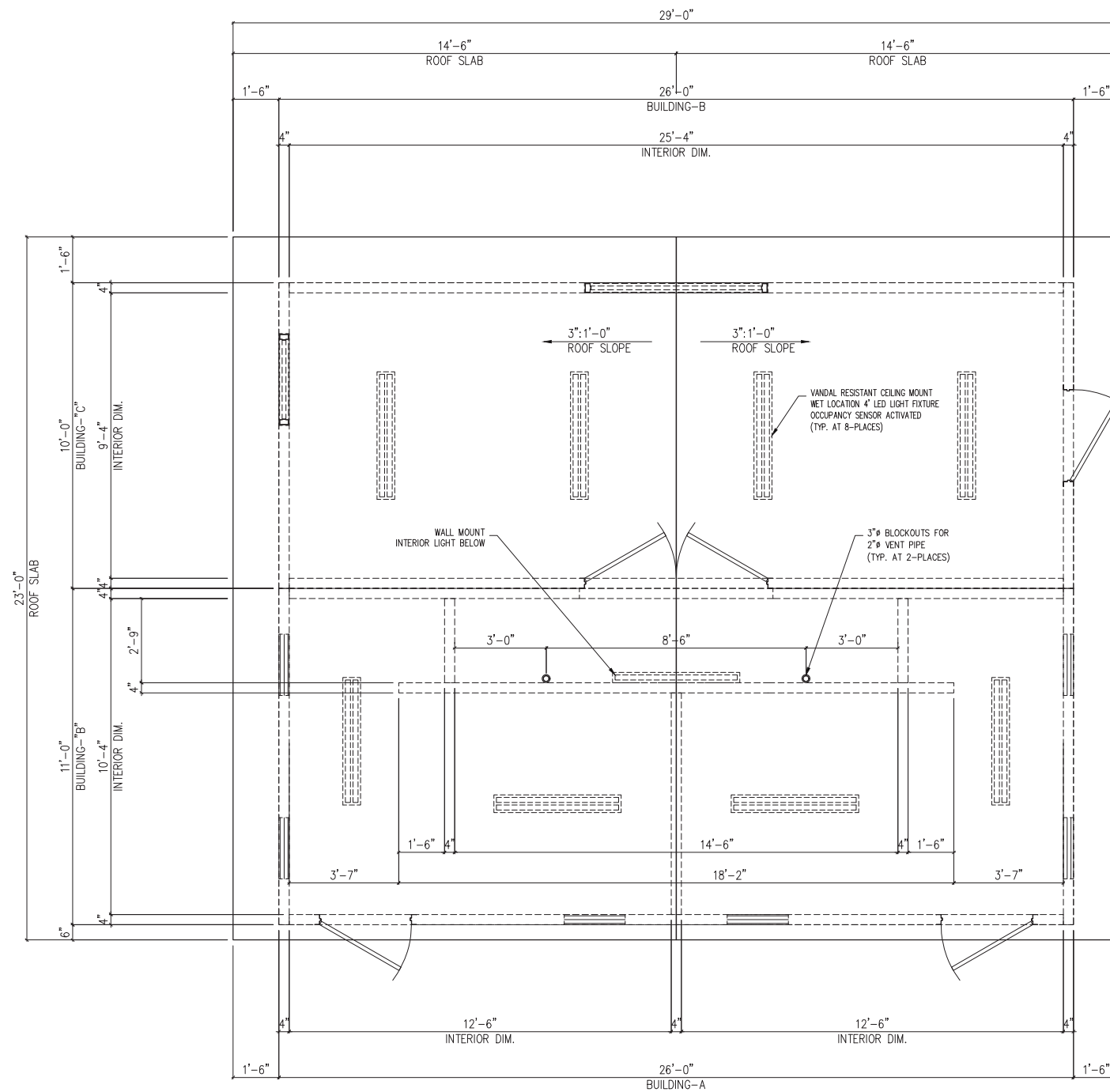


NOTE:
FOR ADA REQUIRED LAYOUT
SEE SHEET "A-07".
(TYP FOR ALL RESTROOMS)

- FINISH NOTES:
1. ALL EXTERIOR WALLS SHALL BE LIGHT ETCH FINISH, PAINTED WITH WATER REPELLENT PENETRATING STAIN (COLOR TBD), FOLLOWED BY A CLEAR ACRYLIC ANTI-GRAFFITI SEALER.
 2. INTERIOR WALLS AND CEILING SHALL BE SMOOTH STEEL TROWEL FINISH PAINTED WITH A MODIFIED ACRYLIC, WATER REPELLENT PENETRATING STAIN (COLOR TBD), FOLLOWED BY A CLEAR ACRYLIC ANTI-GRAFFITI SEALER.
 3. INTERIOR FLOORS SHALL BE ROUGH BROOM FINISH WITH TWO-COMPONENT, CATALYZED, WATER BORNE POLYAMIDE EPOXY TO PROVIDE UNIFORM SLIP RESISTANT TEXTURE. (COLOR TBD).
 4. GABLED ROOF SHALL BE CEDAR SHAKE FINISH, PAINTED WITH WATER REPELLENT PENETRATING STAIN (COLOR TBD), FOLLOWED BY A CLEAR ACRYLIC ANTI-GRAFFITI SEALER.

1
A-03
FLOOR PLAN

ISSUED FOR APPROVAL 06-09-23				
		STRUCTURE CAST		
DATE:	06-09-23	REVISIONS		
DRAWN BY:	HS	NO:	DATE:	DESCRIPTION
CHECKED BY:	LG	DATE:		
JOB NO:	23-101019	DATE:		
OWNER:	-			
ENGINEER:	-			
CONTRACTOR:	-			
PROJECT:	LEBRIGHT FIELD EASI-SET CONCESSION/RESTROOM BUILDING 21'-0"x26'-0"x8'-0"			
FLOOR PLAN				
DWG NO:	A-01			



ROOF PLAN PLAN

ISSUED FOR APPROVAL 06-09-23



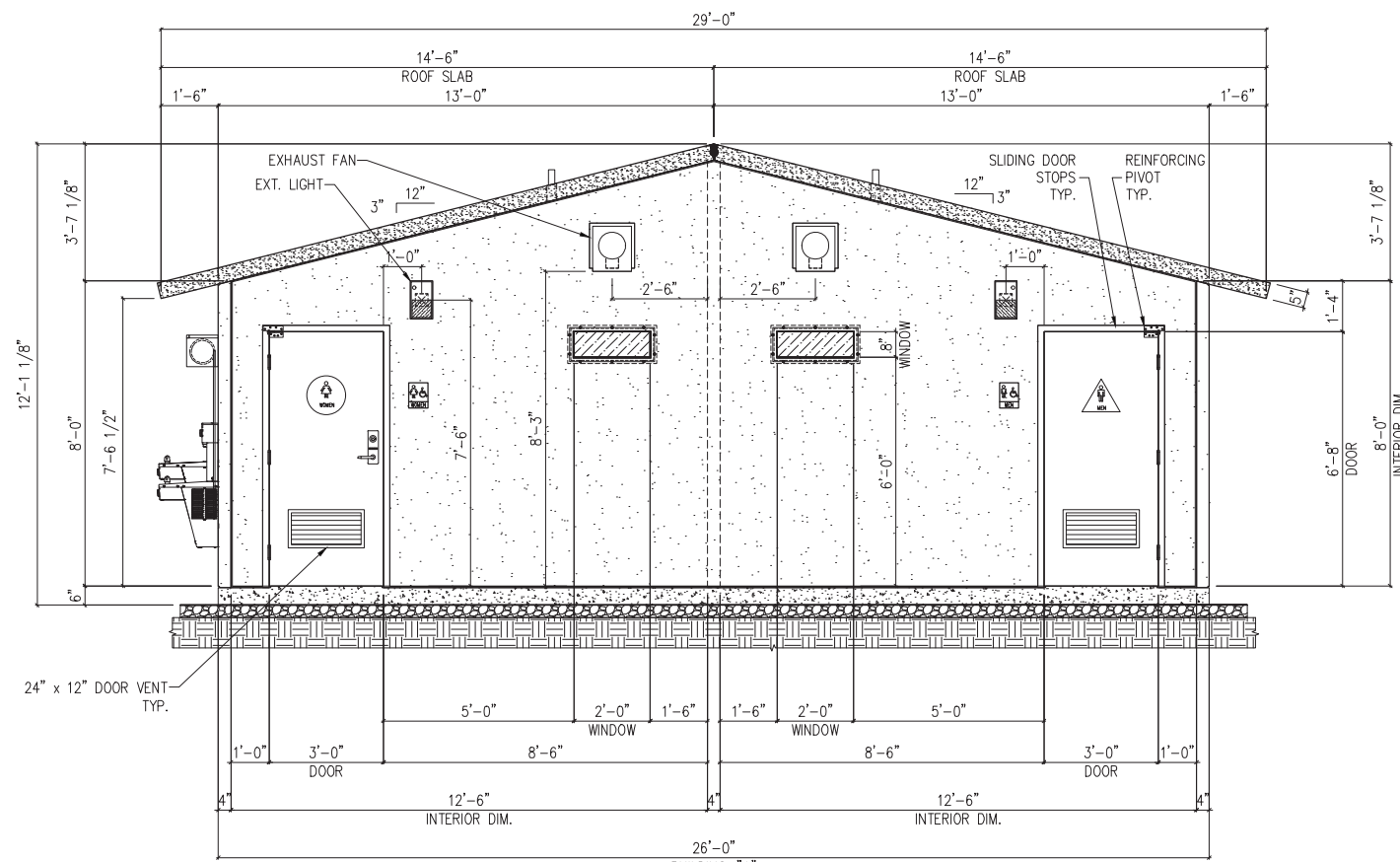
DATE:	06-09-23	REVISIONS			
DRAWN BY:	HS	NO:	DATE:	DESCRIPTION	BY:
CHECKED BY:	LG	△			
JOB NO:	23-101019	△			

OWNER: -
ENGINEER: -
CONTRACTOR: -

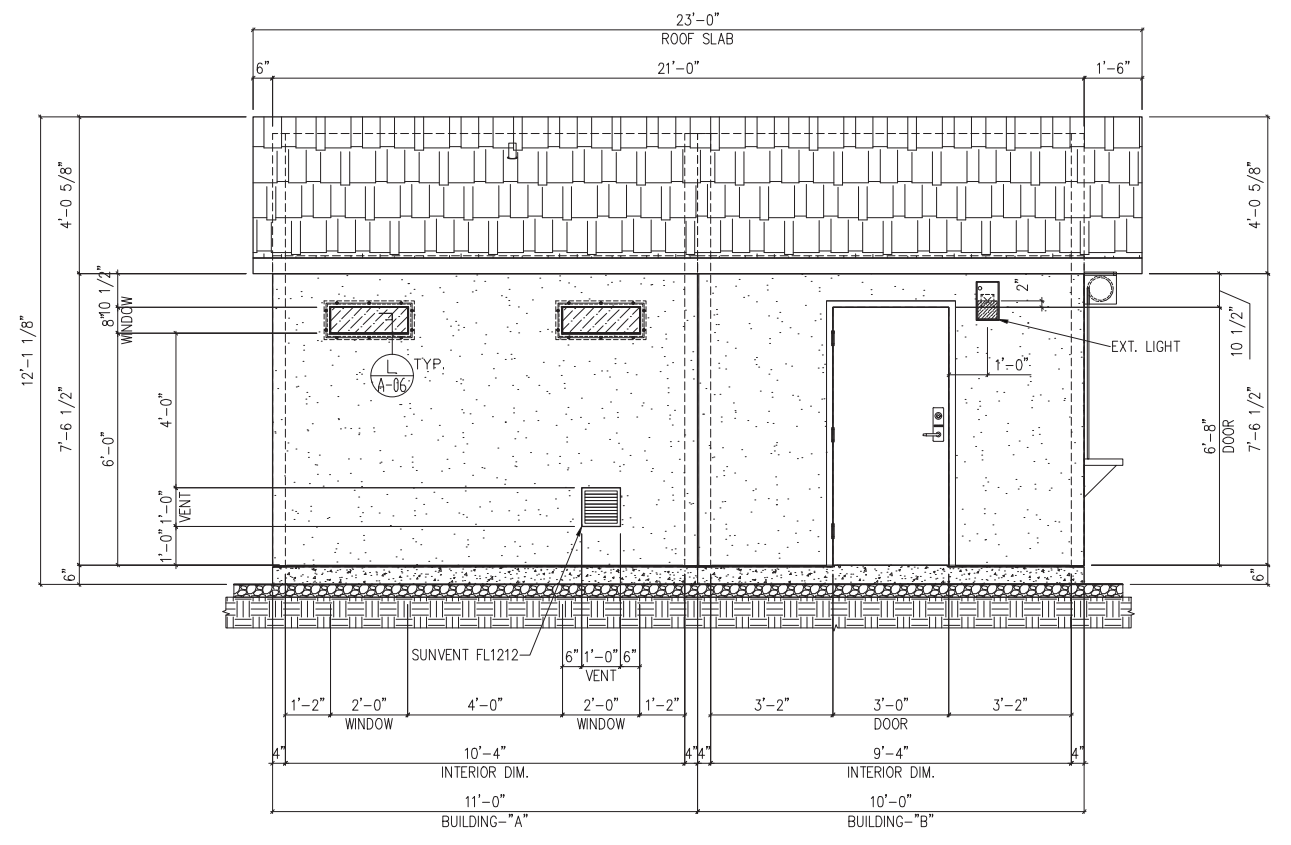
PROJECT: LEBRIGHT FIELD
EASI-SET CONCESSION/RESTROOM BUILDING
21'-0"x26'-0"x8'-0"

ROOF PLAN

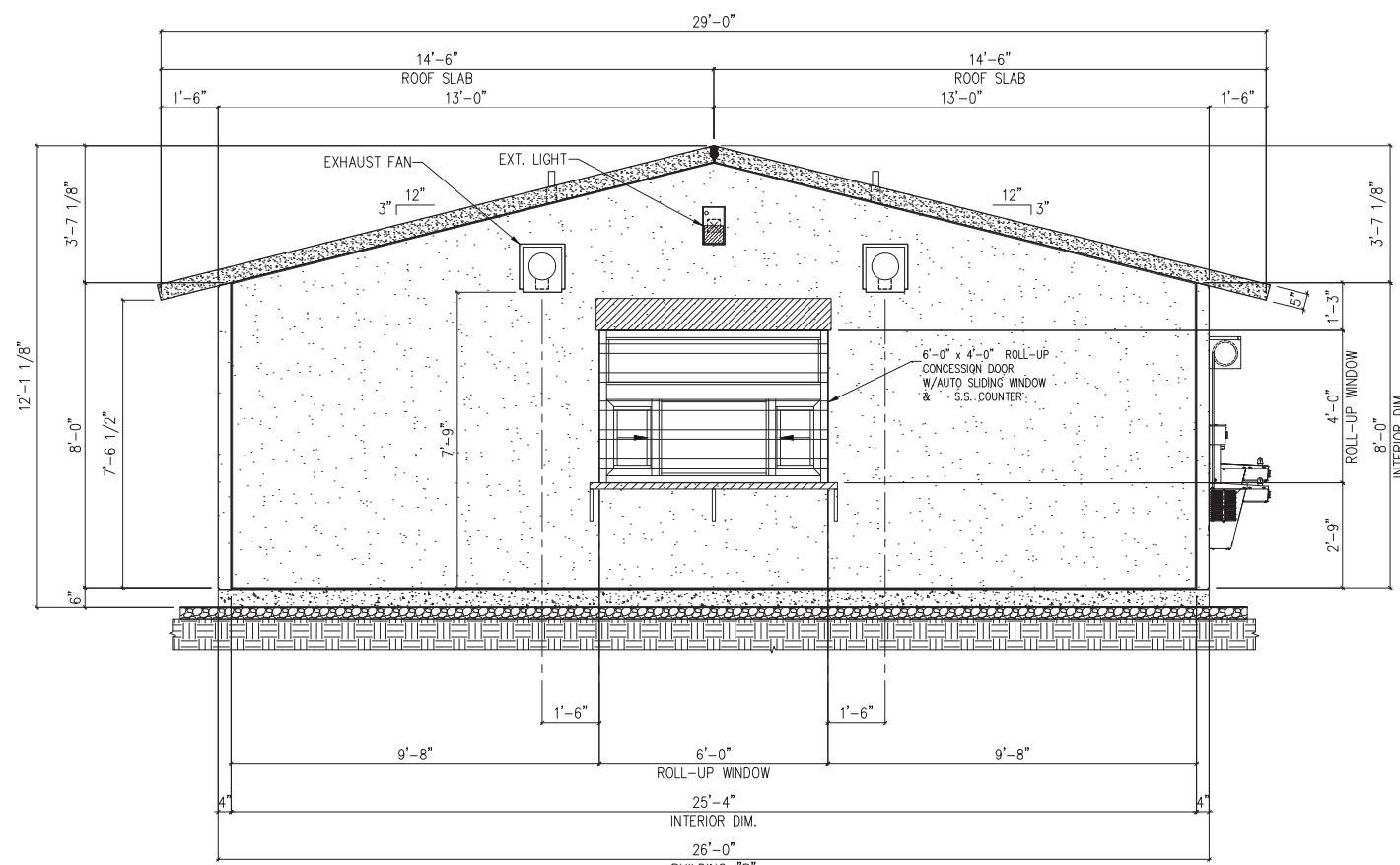
DWG NO: A-02





FRONT ELEVATION "1"

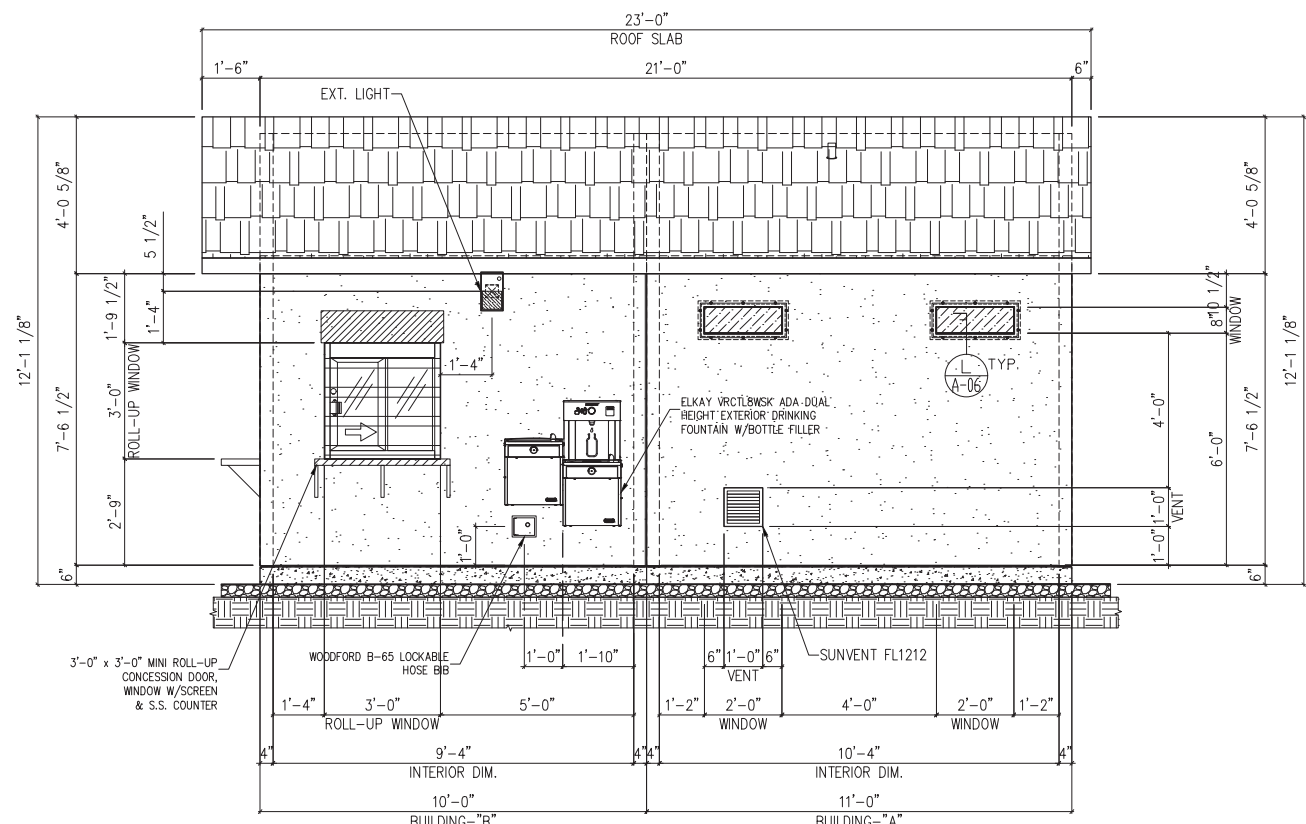


RIGHT ELEVATION "2"

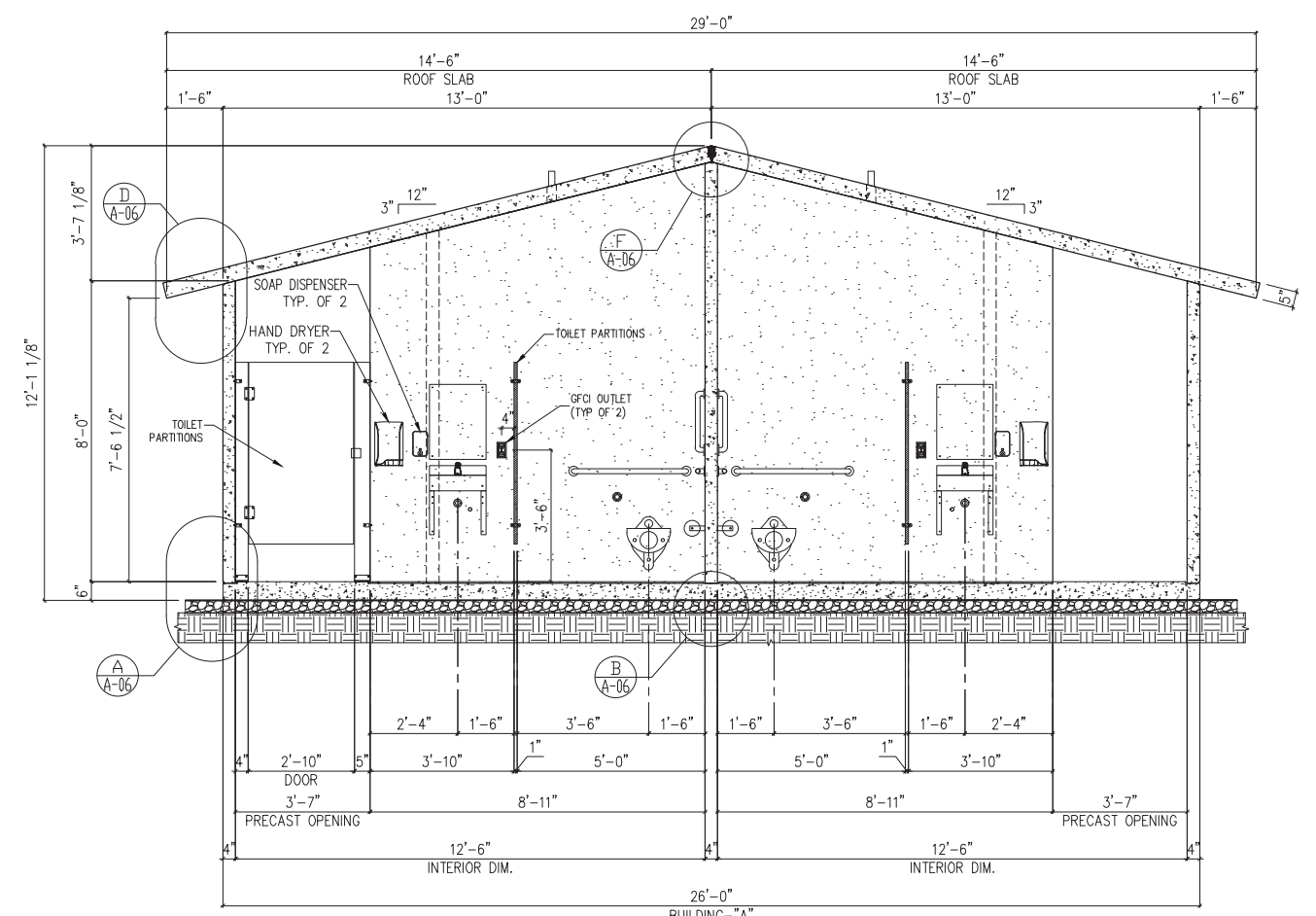


BACK ELEVATION "3"

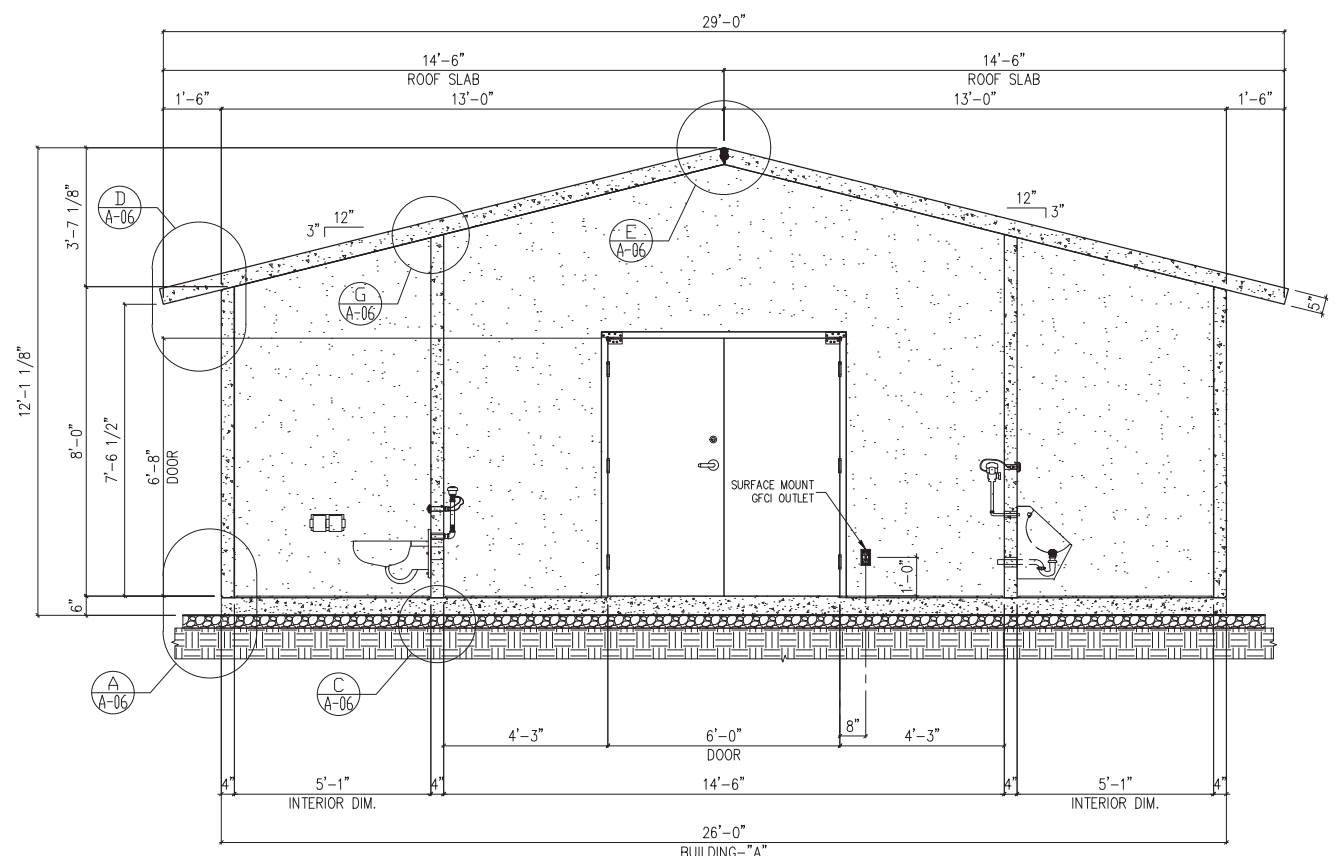
ISSUED FOR APPROVAL 06-09-23				
		STRUCTURE CAST		
DATE:	06-09-23	REVISIONS		
DRAWN BY:	HS	NO:	DATE:	DESCRIPTION
CHECKED BY:	LG	▲		
JOB NO:	23-101019	▲		
OWNER:	-			
ENGINEER:	-			
CONTRACTOR:	-			
PROJECT:	LEBRIGHT FIELD EASI-SET CONCESSION/RESTROOM BUILDING 21'-0"x26'-0"x8'-0"			
EXTERIOR ELEVATIONS				
DWG NO:	A-03 			



LEFT ELEVATION "4"



INTERIOR ELEVATION "5"



INTERIOR ELEVATION "6"

ISSUED FOR APPROVAL 06-09-23



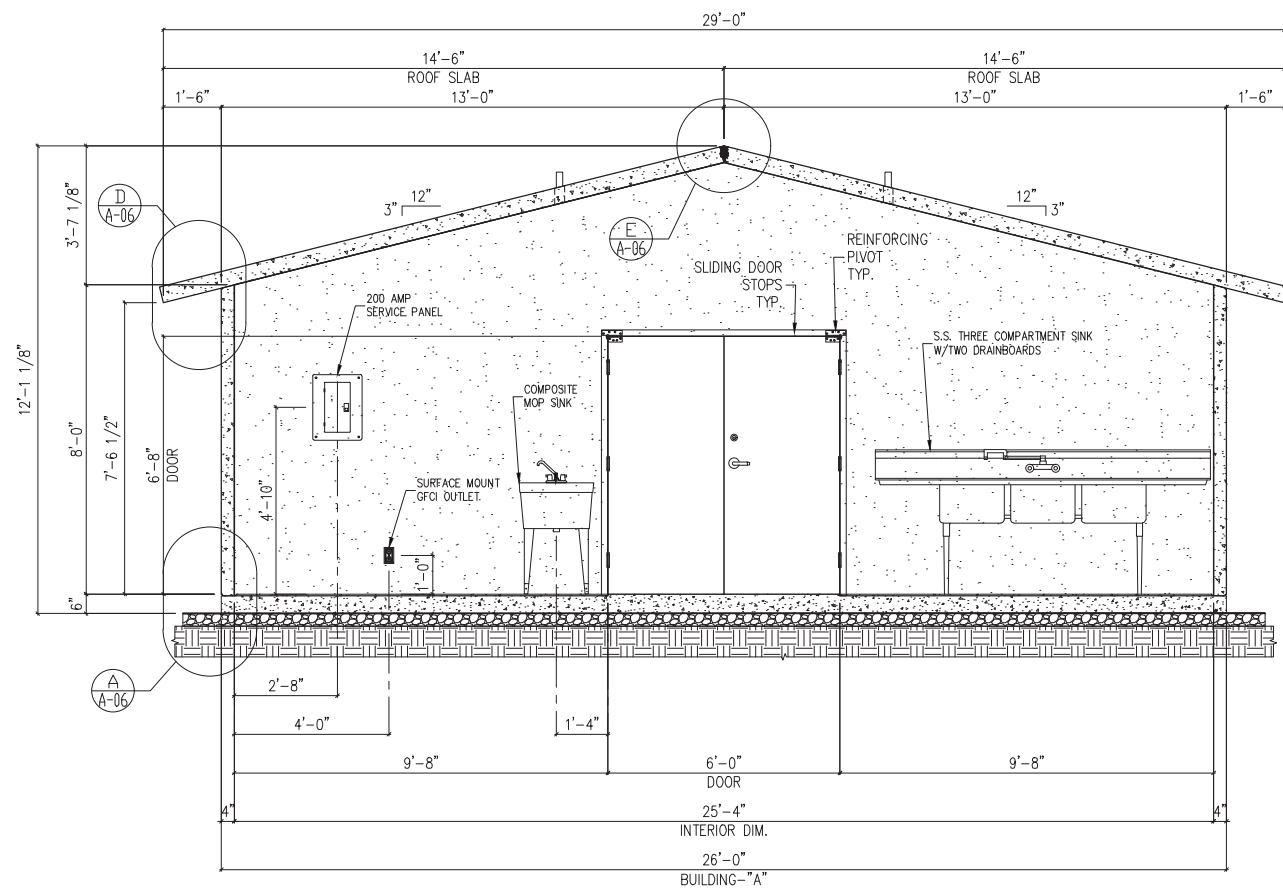
DATE:	06-09-23	REVISIONS		
DRAWN BY:	HS	NO:	DATE:	DESCRIPTION
CHECKED BY:	LG			
JOB NO:	23-101019			

OWNER: -
 ENGINEER: -
 CONTRACTOR: -

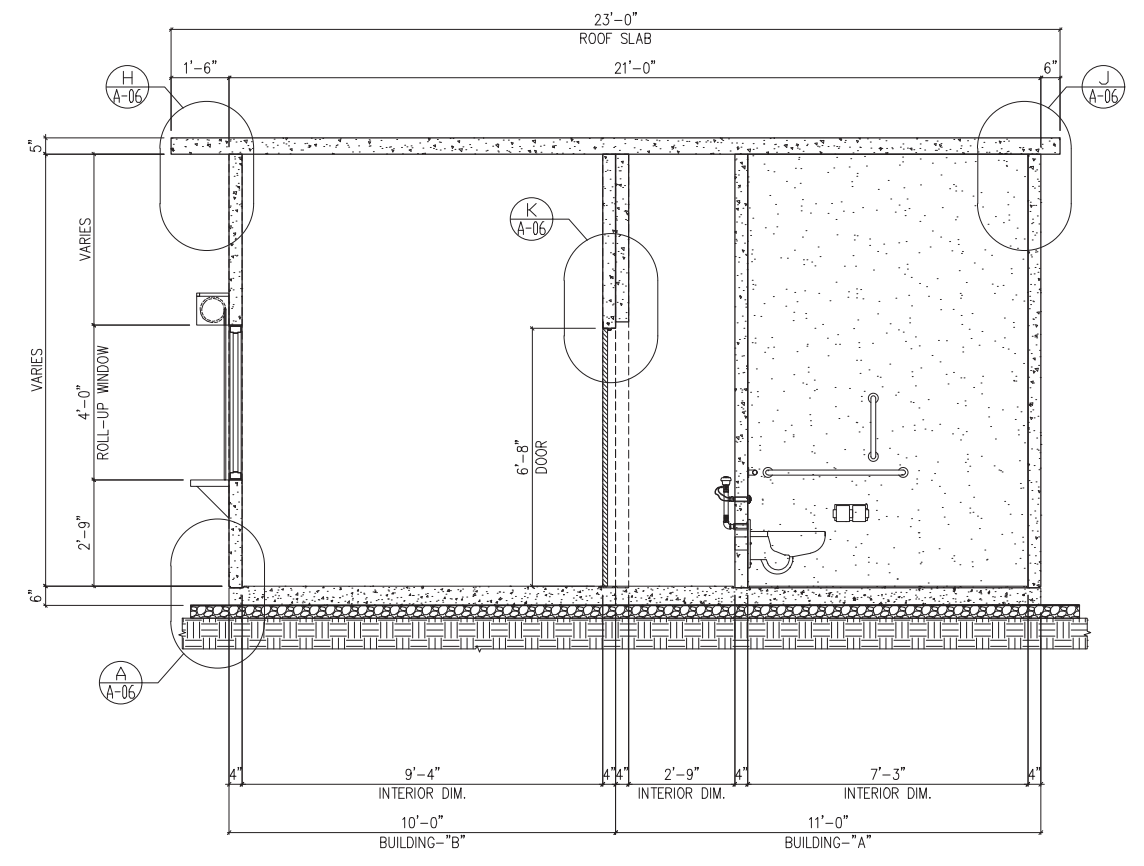
PROJECT: LEBRIGHT FIELD
 EASI-SET CONCESSION/RESTROOM BUILDING
 21'-0" x 26'-0" x 8'-0"

EXTERIOR & INTERIOR ELEVATIONS

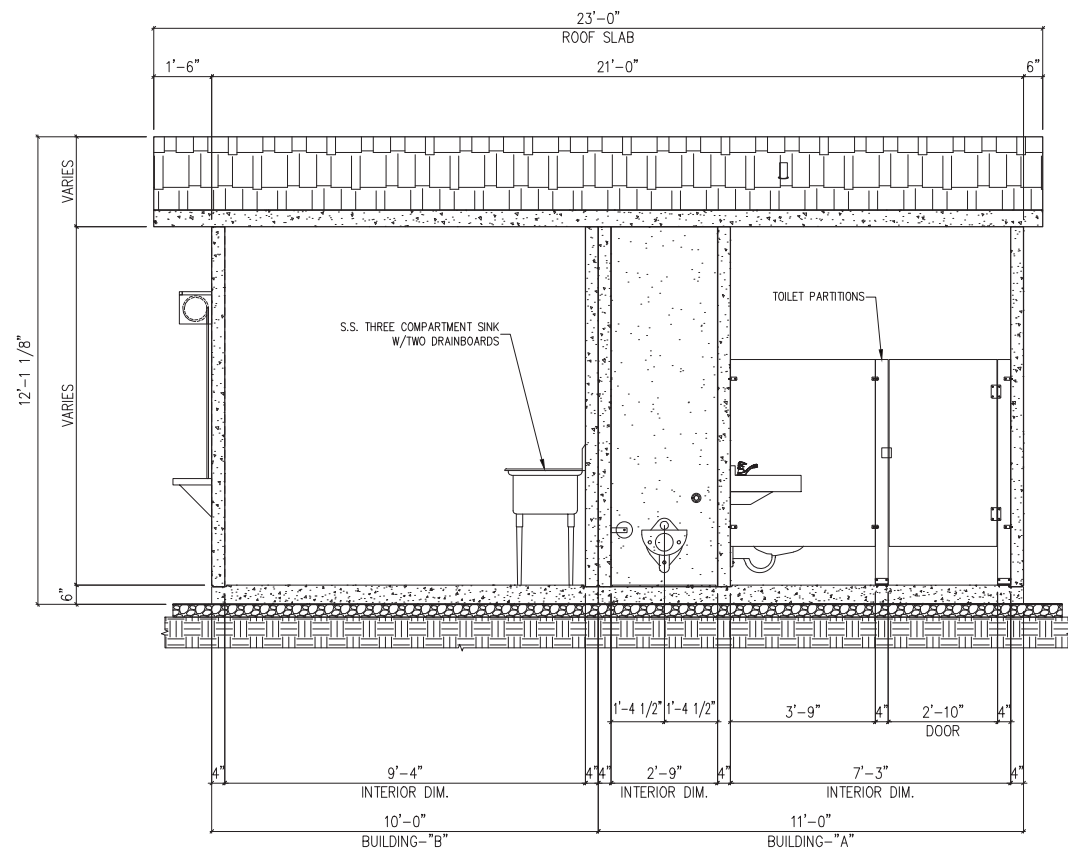
DWG NO: A-04



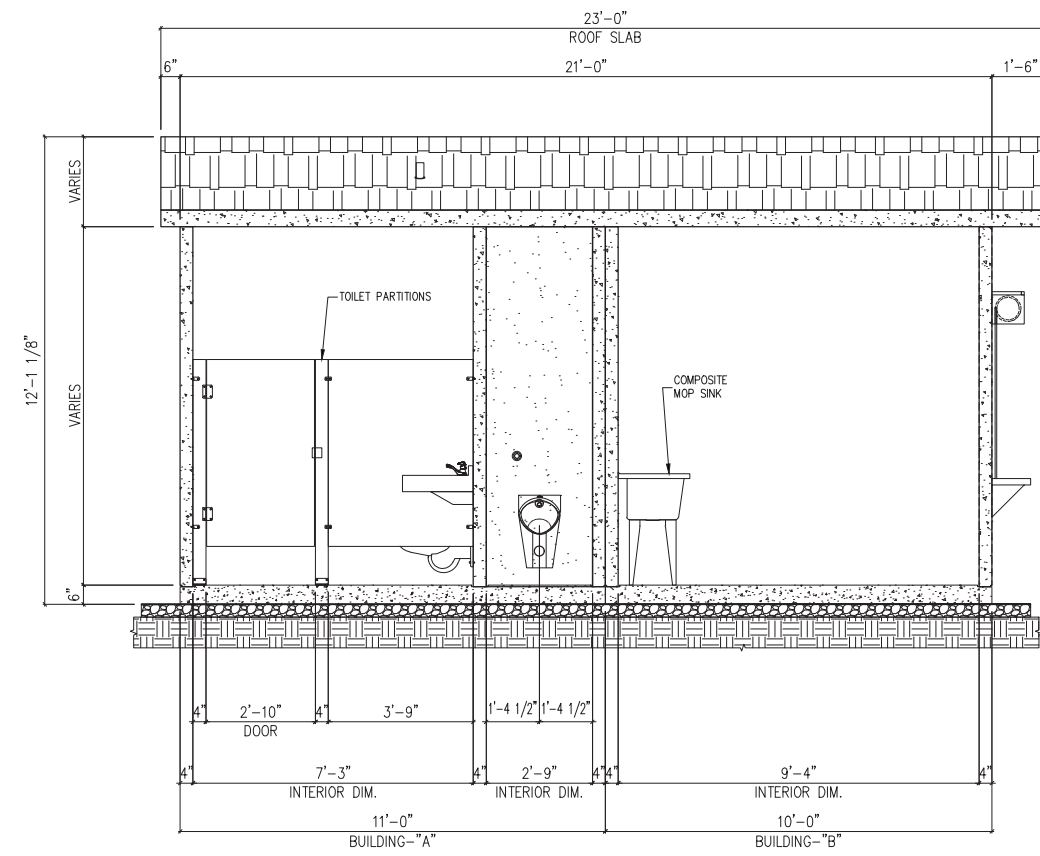
INTERIOR ELEVATION "7"





INTERIOR ELEVATION "8"

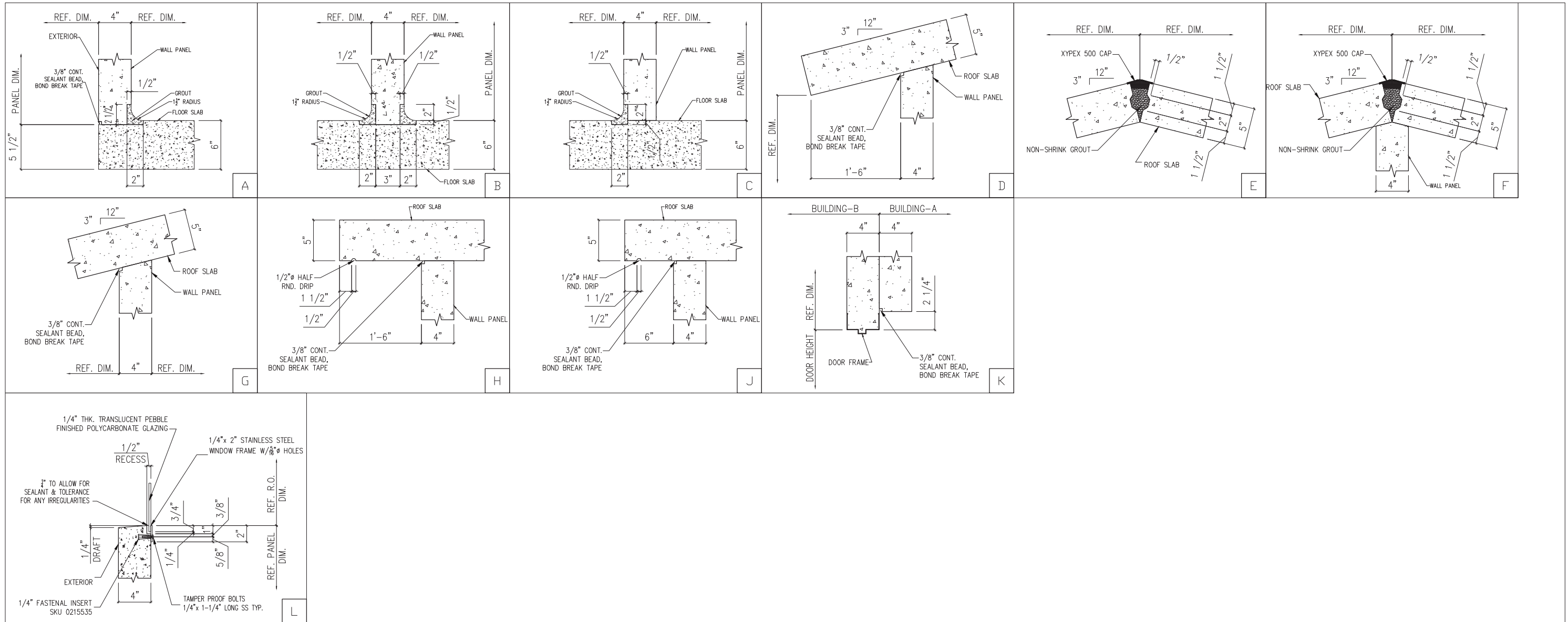


INTERIOR ELEVATION "9"



INTERIOR ELEVATION "10"

ISSUED FOR APPROVAL 06-09-23				
		STRUCTURE CAST		
DATE:	06-09-23	REVISIONS		
DRAWN BY:	HS	NO:	DATE:	DESCRIPTION
CHECKED BY:	LG			
JOB NO:	23-101019			
OWNER:	-			
ENGINEER:	-			
CONTRACTOR:	-			
PROJECT:	LEBRIGHT FIELD EASI-SET CONCESSION/RESTROOM BUILDING 21'-0"x26'-0"x8'-0"			
INTERIOR ELEVATIONS				
DWG NO:	A-05 			



ISSUED FOR APPROVAL 06-09-23

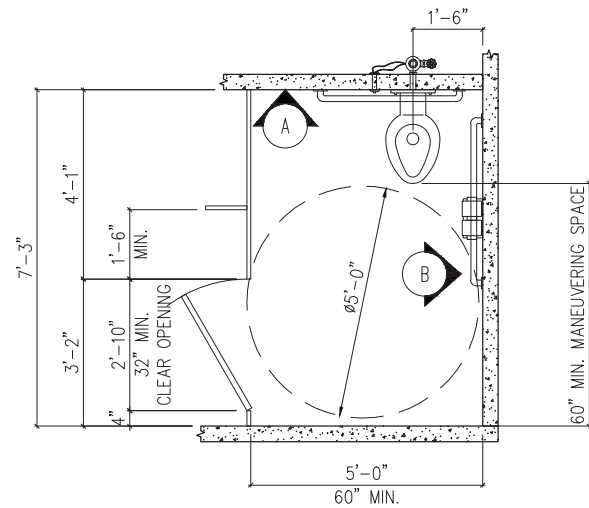


DATE:		06-09-23		REVISIONS	
DRAWN BY:	HS	NO:	DATE:	DESCRIPTION	BY:
CHECKED BY:	LG	△			
JOB NO:	23-101019	△			
OWNER:	-				
ENGINEER:	-				
CONTRACTOR:	-				

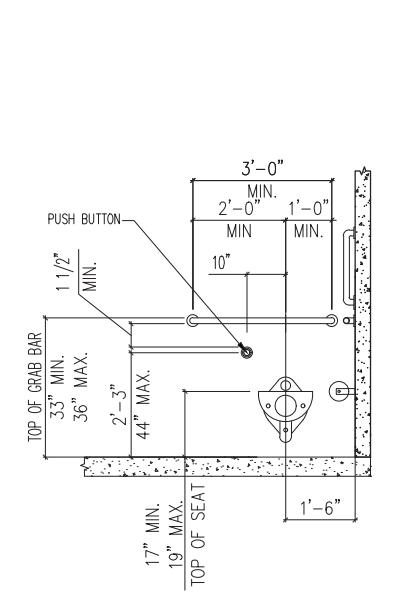
PROJECT: LEBRIGHT FIELD
EASI-SET CONCESSION/RESTROOM BUILDING
21'-0"x26'-0"x8'-0"

ARCHITECTURAL DETAILS

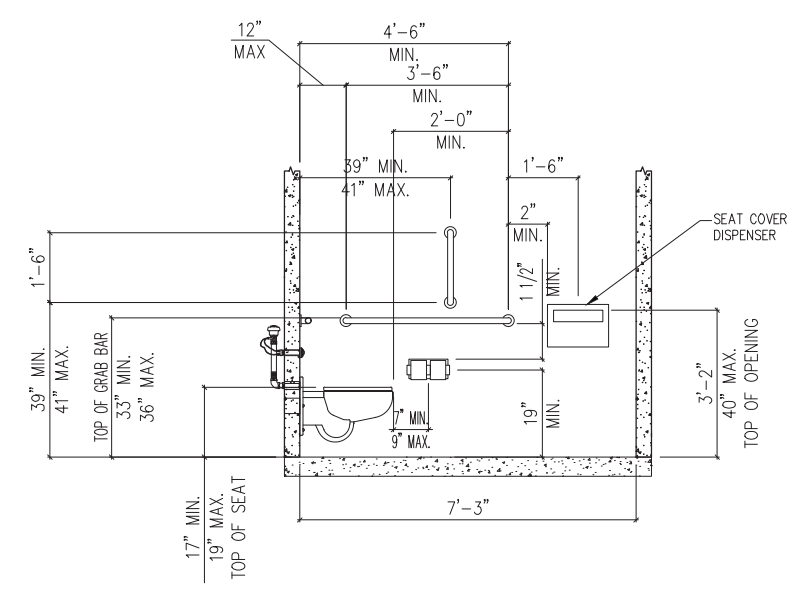
DWG NO: A-06



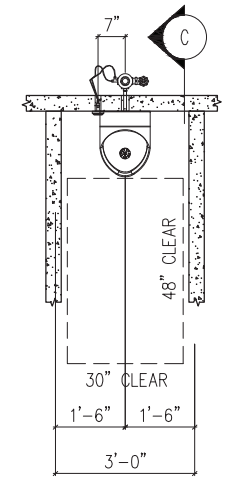
ADA ACCESSIBLE TOILET PLAN "1"



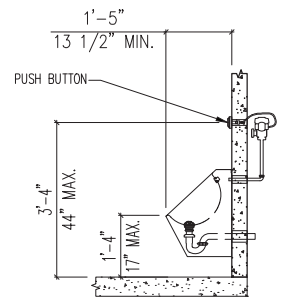
INTERIOR ELEVATION "A"



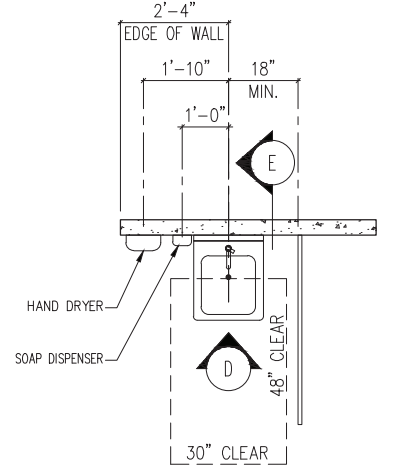
INTERIOR ELEVATION "B"



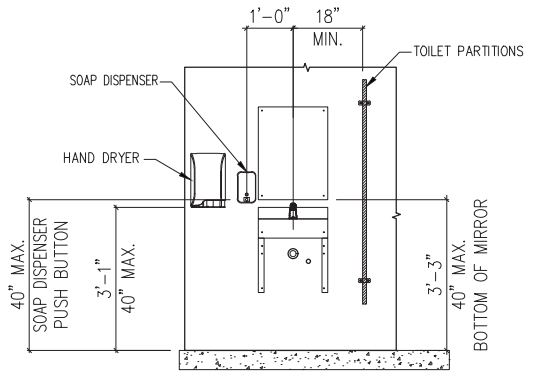
ADA ACCESSIBLE URINAL PLAN "2"



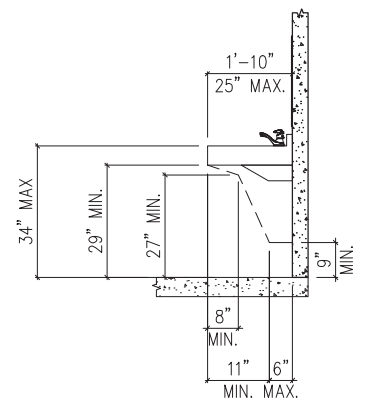
SIDE VIEW "C"



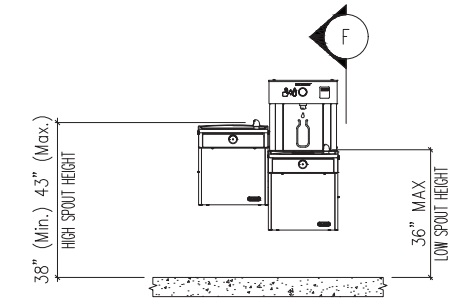
ADA ACCESSIBLE LAVATORY PLAN "3"



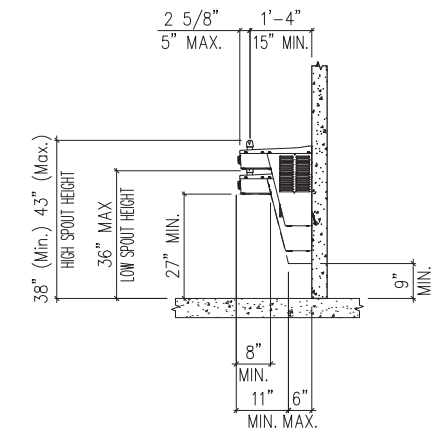
INTERIOR ELEVATION "D"



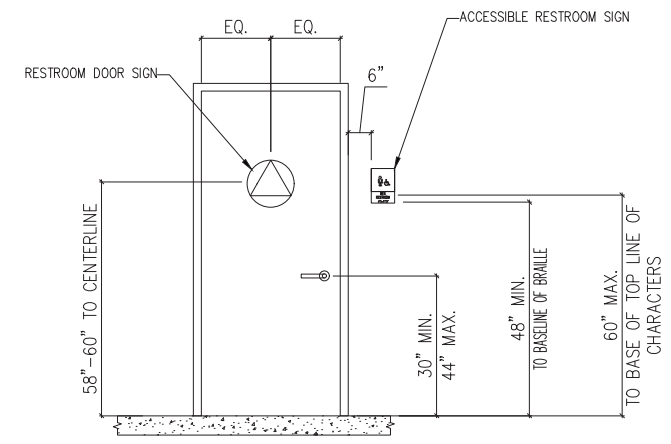
INTERIOR ELEVATION "E"



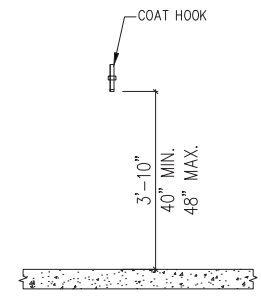
DRINKING FOUNTAIN ELEVATION "4"



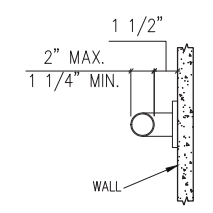
SIDE VIEW "F"



DOOR & SIGNAGE DETAIL "H"



COAT HOOK ELEVATION



CIRCULAR GRAB BAR SECTION

ISSUED FOR APPROVAL 06-09-23				
		STRUCTURE CAST		
DATE:	06-09-23	REVISIONS		
DRAWN BY:	HS	NO:	DATE:	DESCRIPTION
CHECKED BY:	LG	DATE:		
JOB NO:	23-101019	DATE:		
OWNER:	-			
ENGINEER:	-			
CONTRACTOR:	-			
PROJECT: LEBRIGHT FIELD EASI-SET CONCESSION/RESTROOM BUILDING 21'-0"x26'-0"x8'-0"				
PLAN & ELEV. PER ADA REQUIREMENTS				
DWG NO:	A-07			

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" COMPACTED 3/8"-GRAVEL BASE. 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 OR 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.

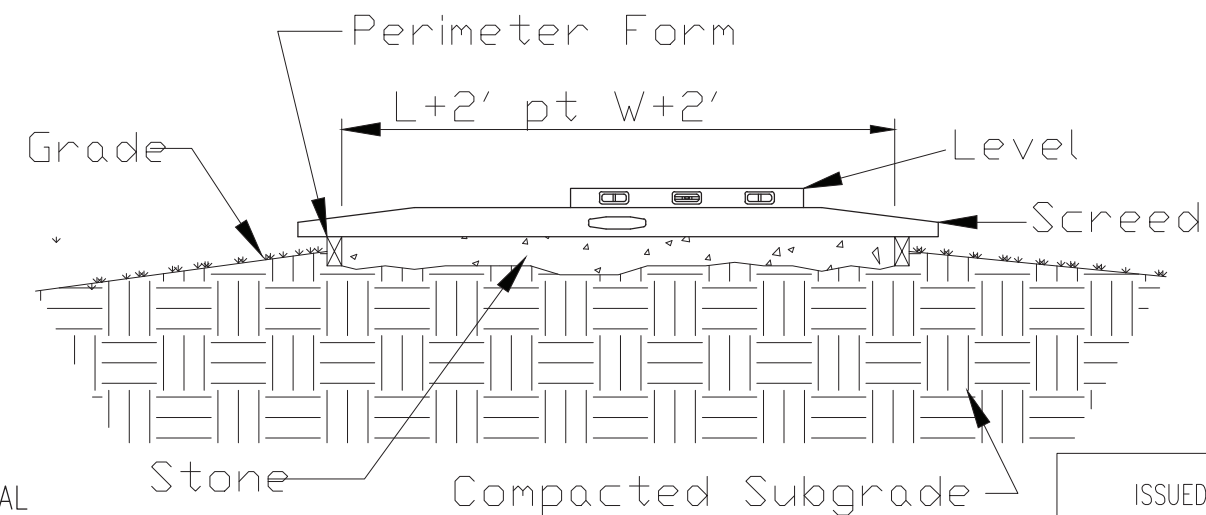
OR

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.

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.



SITE PREPARATION

SCALE: N.T.S.

ISSUED FOR APPROVAL 06-09-23



STRUCTURE CAST

DATE:	06-09-23	REVISIONS		
DRAWN BY:	HS	NO:	DATE:	DESCRIPTION
CHECKED BY:	LG	△		
JOB NO:	23-101019	△		

OWNER: -
ENGINEER: -
CONTRACTOR: -

PROJECT: LEBRIGHT FIELD
EASI-SET CONCESSION/RESTROOM BUILDING
21'-0"x26'-0"x8'-0"

SITE PREPARATION

DWG NO: A-08 △