

ADDENDUM NO. 1

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

**Festus Readiness Center
Interior/Exterior Repairs
270 Highway P
Festus, MO 63028
PROJECT NO. T2330-01**

Bid Opening Date: 1:30 PM, August 19, 2025 (Not Changed)

Bidders are hereby informed of the following:

SPECIFICATION CHANGES:

1. Unit Price Form 0043200
Added Unit Price No. 2 and 3
2. Section 012200 Unit Prices
 - A. Section 3.1 List of Unit Prices: Revised to add the following;
 1. ADD Unit Price No. 2: 1. Description: Plastic faced Glass-fiber Blanket Insulation installed in the large Drill Room, FES129, to replace the existing insulation that is falling out and not secured in place.
 2. Unit of Measurement: Per Square Foot (SF).
 3. Base Bid Quantity: Total area of unit 80 square feet.
 - B. Section 3.1 List of Unit Prices: Revised to add the following;
 1. ADD Unit Price No. 3: 1. Description: Install tape for insulation to mend damaged areas of the facer.
 2. Unit of Measurement: Installation of tape on an approximately 1 square foot area.
 3. Base Bid Quantity: Total area of 100 square feet.
3. Section 072100 Thermal Insulation
 - a. Section 1.2/A/1. Revised to the following: Polypropylene-Scrim-Kraft Faced Glass-fiber Blanket Insulation.
 - b. Section 2.1 Revised to the following: Polypropylene-Scrim-Kraft Faced Glass-Fiber Blanket insulation.
 - c. Section 2.1/A/2 Revised to the following: Johns Manville. (Removed reference to un-faced insulation).
 - d. Section 2.1/C Revised to the following: Glass-Fiber Blanket Insulation, Polypropylene-Scrim-Faced: ASTM C665, Type II (nonreflective faced), Class A (faced surface with a flame-spread index of 25 or less; Category I (membrane is a vapor barrier)
4. Section 099123 Interior Painting
 - a. Section 1.2; ADD 7. Glazed Concrete masonry units (CMU)
 - b. Section 3.6; ADD F. Glazed CMU Substrates.
 - i. Prime Coat: Extreme Bond Primer
 - a. S-W Extreme Bond Primer, B51W01150, at 3.1 mils (0.079 mm) wet, 1.0 mils (0.025 mm) dry.
 - b. Intermediate Coat: Latex, interior, matching topcoat.

- c. Topcoat: Latex, interior, semi-gloss:
 - 1) S-W ProMar 400 Zero VOC Latex Semi-Gloss, B31-2600 Series, at 4.0 mils (0.102 mm) wet, 1.6 mils (0.041 mm) dry, per coat.
- 4. Section 102113 Plastic Toilet Partitions
 - a. Section 2.3/K Urinal-Screen Post: Revised to select 1-3/4" (44-mm) square aluminum tube with satin finish with shoe and sleeve (cap) matching that on the pilaster.
 - b. Section 2.3/L Stirrup Type: Revised to select U-brackets, stainless steel Full-Height (continuous) Type: stainless steel.
 - c. Section 2.3/M Plastic Panel Finish: Revised to select One Color.
 - d. Section 2.4/A Hinges: Revised to select continuous spring-loaded.

DRAWING CHANGES:

- 1. A-FP-01 – 1st Floor Plan
 - a. Keyed note 3 added to front entry doors 1.09 and 1.10 to address repair scope at existing hollow metal door/entrance frame.
 - b. Keyed note 3 added to the Ext. Door Keynote Legend.
- 2. A-DP-02 – 1st Floor Flooring Demolition Plan
 - a. Keyed note 8 revised to reference "flooring" removal.
- 3. A-SH-06 - Room finish schedule updated to address the following items;
 - a. The room finish legend on A-SH-06 incorrectly indicated 1st floor Women's and Men's restroom as PT-3, these rooms are to be ACT.
 - b. The room finish legend on A-SH-06 incorrectly indicated 1st floor Women's and Men's Shower/Locker rooms as PT-3, these rooms are a combination of ACT and GYP. BD. with the GYP. BD. and PT-3 being the ceiling at all shower areas as indicated on A-RC-01.
- 4. A-SH-06 – Paint Systems Legend updated to address the following items;
 - a. PT-1 updated to clarify the use of the Loxon product for unpainted CMU block walls.
 - b. ADD; (2) coats of Extreme Bond Primer, for use on glazed CMU block walls added.
 - c. PT-1A updated to clarify the use of the Loxon product for unpainted CMU block walls.
 - d. ADD; (2) coats of Extreme Bond Primer, for use on glazed CMU block walls added.
- 5. A-SH-06 Door Schedule
 - a. Doors 101, 102, 109 and 110 finish changed from Anodized to PT-4.
 - b. Doors 103, 104, 105 and 106 remarks removed.

BIDDER QUESTIONS AND RESPONSES:

- 1. Substitution Request; Scranton Products, Hiny Hiders Plastic partitions are considered an acceptable equal to the specified Bradley, Mills Partitions as specified in section 102113 Plastic Toilet Partitions.
- 2. Question; The ceiling plan calls for ACT on A-RC-01, but the finish schedule is calling for ceilings to be PT-3 (New Gyp Ceilings) with Pro-Mar paint on A-SH-06. Can you clarify what ceiling type is intended in the locker rooms? And if it is ACT, I will need a specification.
Response: Refer to updates indicated above to sheets A-SH-06 for clarification of ceilings in the restrooms and locker rooms. Specification section 095123, 2.3/A indicates the ACT basis of design.

3. Question; We have been asked to look at this project and were looking at Spec Section 072100 – Thermal Insulation. Specifically, paragraph 2.1. We are not sure what “Plastic Faced” Glass-Fiber Blanket Insulation is; especially when, in sub-paragraph C., you reference unfaced, glass-fiber blanket insulation. Would you please advise us on what you are referencing to ensure we provide the correct material in our proposal?

Response: Specification section 072100 Thermal Insulation has been updated to clarify the insulation to be used, see changes listed above under section 072100.

GENERAL:

1. Please contact April Howser, Contract Specialist, at 573-751-0053 or April.Howser@oa.mo.gov for questions about bidding procedures, MBE\WBE\SDVE Goals, and other submittal requirements.
2. The deadline for technical questions is August 11, 2025, at Noon.
3. Changes to, or clarification of, the bid documents are only made as issued in the addenda.
4. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
5. Current Plan Holders list available online at: [Bid Listing/ Electronic Plans \(Projects Currently Bidding\) | Office of Administration \(mo.gov\)](#) T233001 - Festus Readiness Center-Repairs to Interior/Exterior, Readiness Center and Unheated Storage Buildings
6. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia MO 65203, 573-446-7768 to order official plans and specifications.
7. All bids shall be submitted on the bid form without additional terms and conditions, modifications, or stipulations. Each space on the bid form shall be properly filled including a bid amount for the alternates. Failure to do so will result in rejection of the bid.
8. MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 10%/10%/3%, respectively. Only certified firms as of the bid opening date can be used to satisfy the MBE/WBE/SDVE participation goals for this project. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.

ATTACHMENTS:

1. Pre-Bid Sign-In Sheet
2. Revised Drawing Sheets A-FP-01, A-DP-02, and A-SH-06
3. Revised Unit Price Form 004322
4. Revised Specifications 012200, 072100, 099123, and 102113.

By the Order of:




Fred L. Decker Jr., Project Manager

Division of Facilities Management,
Design and Construction
August 13, 2025

END ADDENDUM NO. 1

Pre-Bid Meeting Attendance Sheet
Repairs to Interior/Exterior, Readiness Center
Festus Readiness Center
Festus, Missouri

Project No. T2330-01
August 5, 2025 11:00AM

Name & Title	Company Name & Type of Contracting	MBE/WBE/SDVE Status	Phone	E-Mail Address of Attendee & E-Mail Address of Individual filling out Bid Documents
 Fred L. Decker Jr. Project Manager	OA-FMDC		573-751-8521	fred.decker@oa.mo.gov
 Kristin Kendrick Architect	JEMA Inc.		314-531-7400 ext. 25	kkendrick@jemastl.com
Steve Hoover	JEMA Inc.		314-531-7400	SHoover@jemastl.com
 Gary Rice Project Manager	MOARNG		636-698-4292	Gary.d.rice18.nfg@army.mil
Dave Baker	Midwest Mechanical LLC		314-574-5828	DBaker@MidwestHTG.com
Dan Salisbury	GMP Plumbing		636-484-2221	Dsalisbury@gmpplumbingstl.com

Pre-Bid Meeting Attendance Sheet
Repairs to Interior/Exterior, Readiness Center
Festus Readiness Center
Festus, Missouri

Project No. T2330-01
August 5, 2025 11:00AM

Name & Title	Company Name Type of Contracting	MBE/WBE/ SDVE Status	Phone	E-Mail Address of Attendee and E-Mail Address of Individual filling out Bid Documents
Justin Rogers GC / PM	Brown & Root		573 301 4995	<u>Justin.Rogers @</u> <u>Braunandroot.com</u>
Grant Staffer Intern/	Brockmiller Construction		573-454 5638	<u>Bids @ Brockmiller construction.com</u>
AARON FRETWELL SR. PM	WAYNE CONTRACTING LLC		314.858. 0118	<u>aaronf@waynecontracting.com</u>
MIKE RIEHL DIR OF PRECON	RAINER CONST GC	WBE	314-667-5913	<u>mriehl@raimerconstruction.com</u> <u>estimating @ "</u>
SCOTT EVANS ALKE	ALKE MEYER + ASSOCIATES		314-772-1782	<u>SEVANS @ ALKEMEYER.COM</u>
Devin Olds	Aspire const.		636-262-8142	<u>dolds@aspire-ctk.com</u>

Pre-Bid Meeting Attendance Sheet
Repairs to Interior/Exterior, Readiness Center
Festus Readiness Center
Festus, Missouri

Project No. T2330-01
August 5, 2025 11:00AM

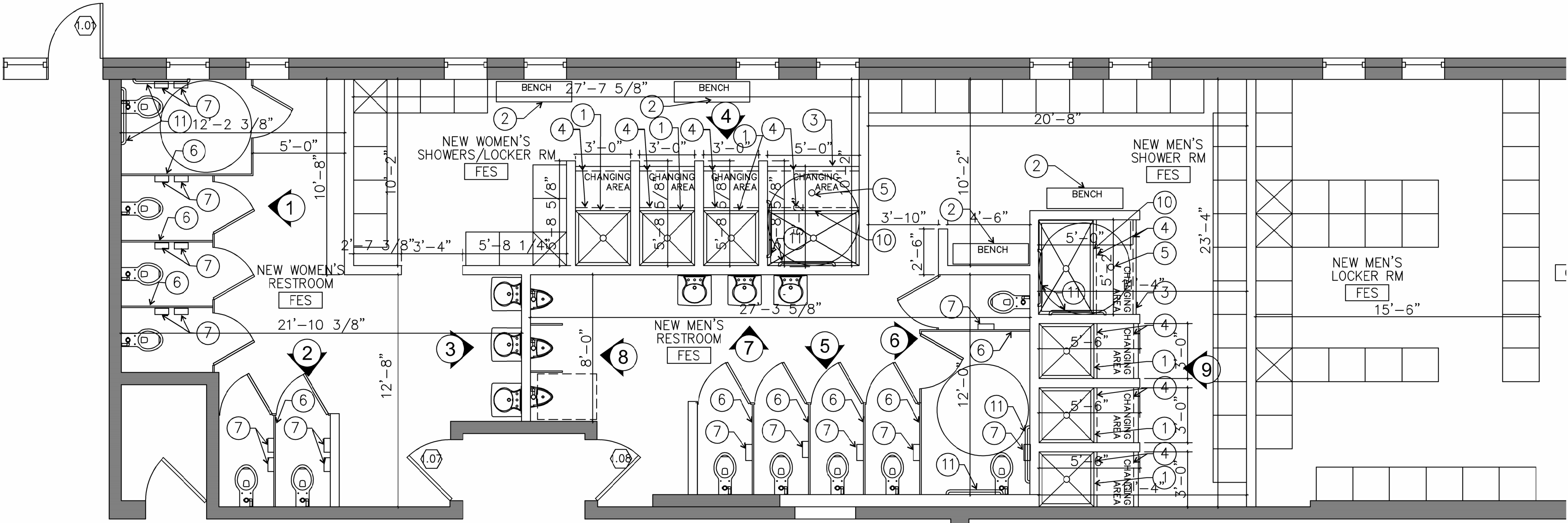
Name & Title	Company Name Type of Contracting	MBE/WBE/ SDVE Status	Phone	E-Mail Address of Attendee and E-Mail Address of Individual filling out Bid Documents
JAKE VERBLE SMYTH ESTIMATOR COORDINATOR	INTEGRA GC	N/A	636 946 3000	BIDS@ICCSTLMO.COM
NICK KRUSE Estimator	Circadia	NA	314-486-1250	NKRUSE@circadia.net
Craig Bock	MONG D+P Branch Chief	N/A	573-986-8855	Craig.S.Bock.civ@army.mil
Steve Hoover	JEMA	NA	314-630-6825	shoover@jemastl.com

EXT. DOOR KEYNOTE LEGEND

- 1
- REPLACE EXISTING DOOR
- 2
- REPAIR/RE-FINISH DOOR/DOOR FRAME AS NEEDED - SEE DOOR SCHEDULE
- 3
- REMOVE ALL RUST FROM FRAMES, REPAIR AS REQUIRED USING FILLER, SAND SMOOTH W/SURROUNDING AND PRIME/PREPARE FOR NEW PAINTED CONDITION.

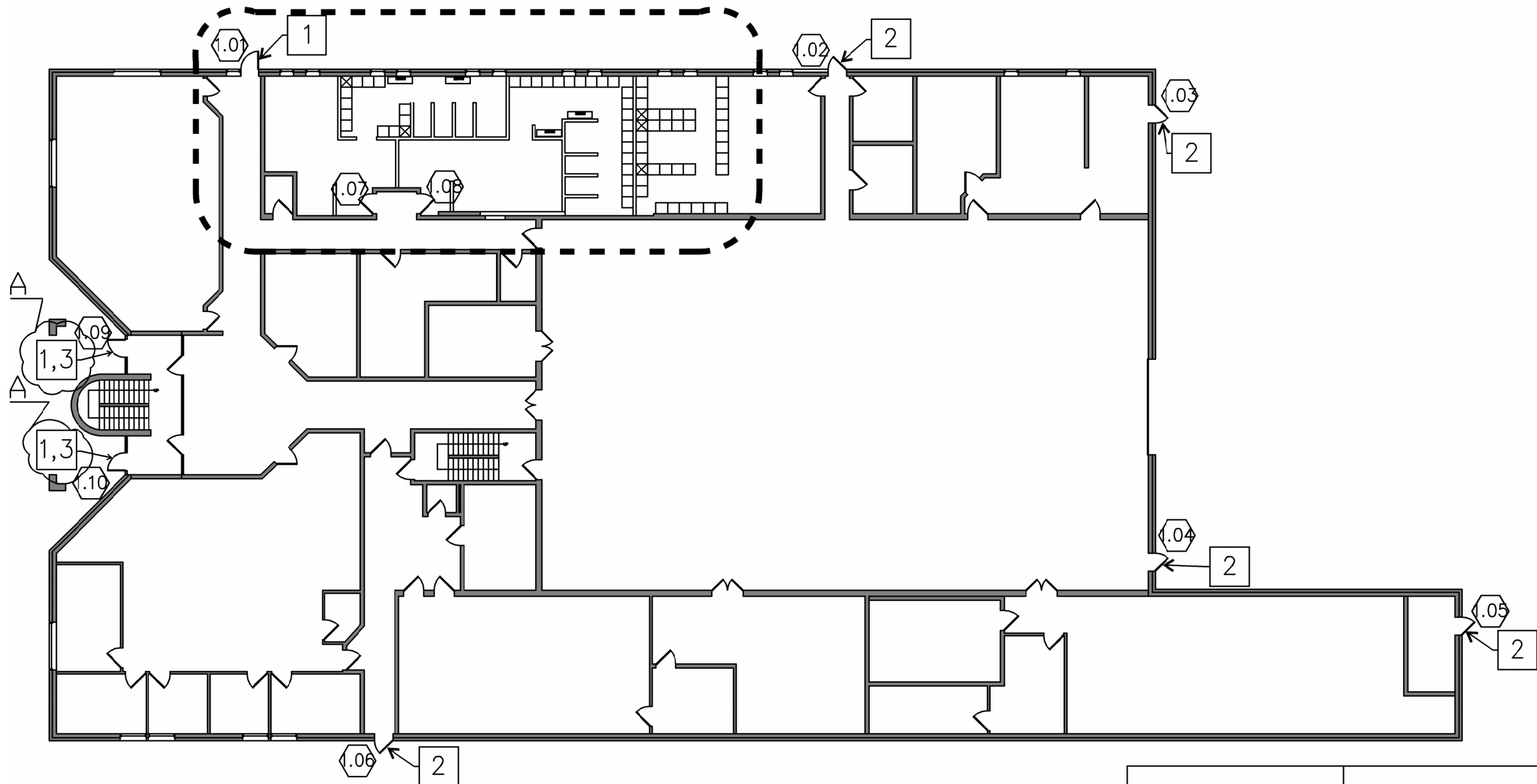
LOCKER ROOM NOTES

- 1
- PROVIDE THRESHOLD FULL LENGTH OF SHOWER AT 4" IN HEIGHT AND ALIGNED w/ COVE. SLOPE FLOOR OF SHOWER TOWARD SHOWER DRAIN. EPOXY CONTINUOUS OVER THRESHOLD - TYP. ALL NON-ACCESSIBLE SHOWERS - SEE SHEET A-SH-06
- 2
- NEW BENCHES TO BE SUPPLIED BY OWNER PER BUILDING STANDARDS
- 3
- ROLL-IN ADA SHOWERS w/ CHANGING AREA
- 4
- SHOWER CURTAIN AND ROD TO BE SUPPLIED BY OWNER PER BUILDING STANDARDS
- 5
- FLOOR DRAIN - SEE PLUMBING PLAN
- 6
- FLOOR MOUNTED TOILET PARTITIONS - SEE SPECIFICATION
- 7
- TOILET ACCESSORIES BY OWNER PER BUILDING STANDARDS
- 8
- MIRROR - SEE SPECIFICATIONS
- 9
- EPOXY WALL COATING IN ALL SHOWERS - SEE SPECIFICATIONS
- 10
- PROVIDE THRESHOLD FULL LENGTH OF SHOWER AT 1/2" MAX. HEIGHT AND SLOPE FLOOR OF SHOWER TOWARD SHOWER DRAIN. EPOXY CONT. OVER THRESHOLD - SEE SHEET A-SH-06
- 11
- GRAB BARS AS SHOWN - SEE SHEET A-SH-06 FOR INSTALL DIMENSIONS



ENLARGED RESTROOM + LOCKER PLAN

SCALE: 1/4" = 1'-0" (24x36)

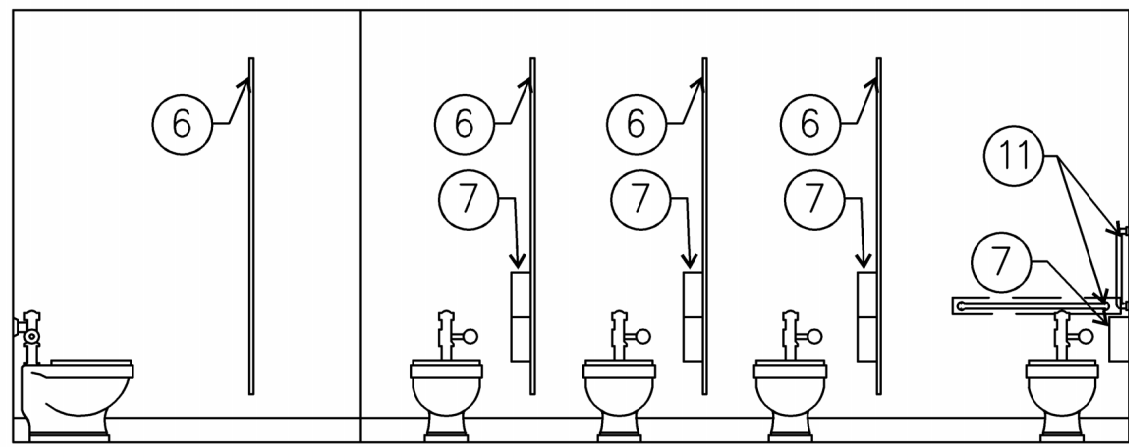


1st FLOOR REFERENCE PLAN w/ DOOR TAGS

SCALE: 1/16" = 1'-0" (24x36)

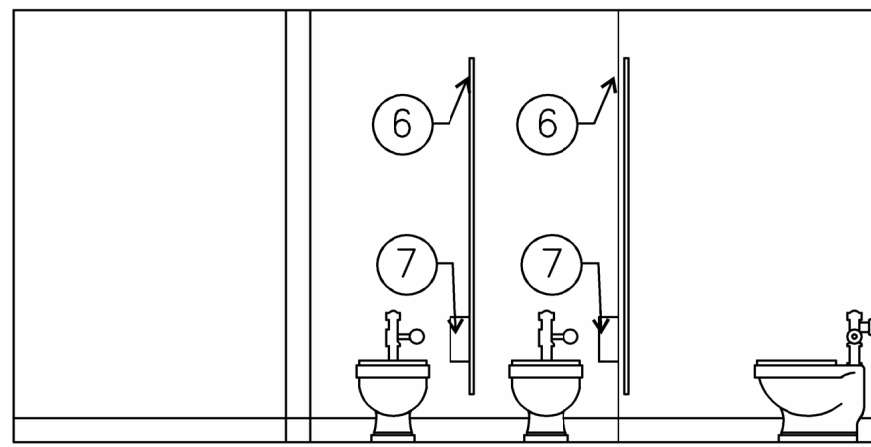
FLOOR PLAN LEGEND

- NEW PARTITION
PARTITION TYPE: P1 UNLESS NOTED OTHERWISE
- EXISTING EXTERIOR/INTERIOR PARTITION
PARTITION TYPE: P2/P2A UNLESS NOTED OTHERWISE
SEE CODE PLANS SHEET A-00
- EXISTING PARTITION TO BE REMOVED
- SHADED AREAS INDICATE NO WORK
- NEW DOOR and DOOR TAG
- EXISTING DOOR TO REMAIN - NO WORK
- EXISTING DOOR TO BE REMOVED



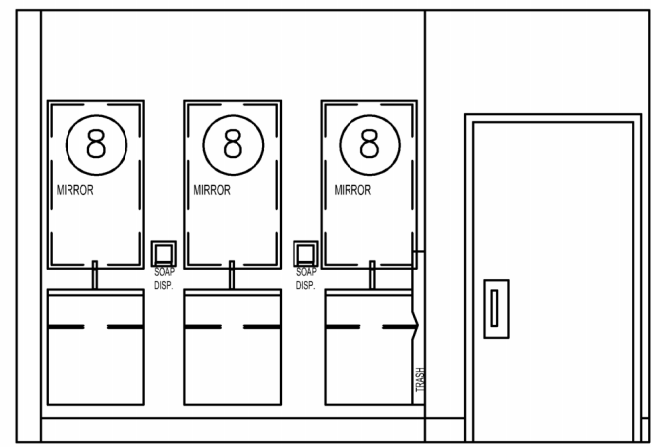
1 INTERIOR - WEST ELEVATION

SCALE: 1/4" = 1'-0" (24x36)



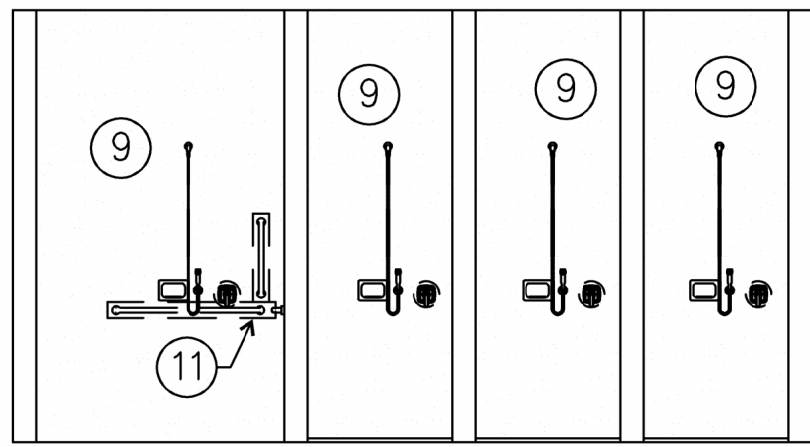
2 INTERIOR - SOUTH ELEVATION

SCALE: 1/4" = 1'-0" (24x36)



3 INTERIOR - EAST ELEVATION

SCALE: 1/4" = 1'-0" (24x36)

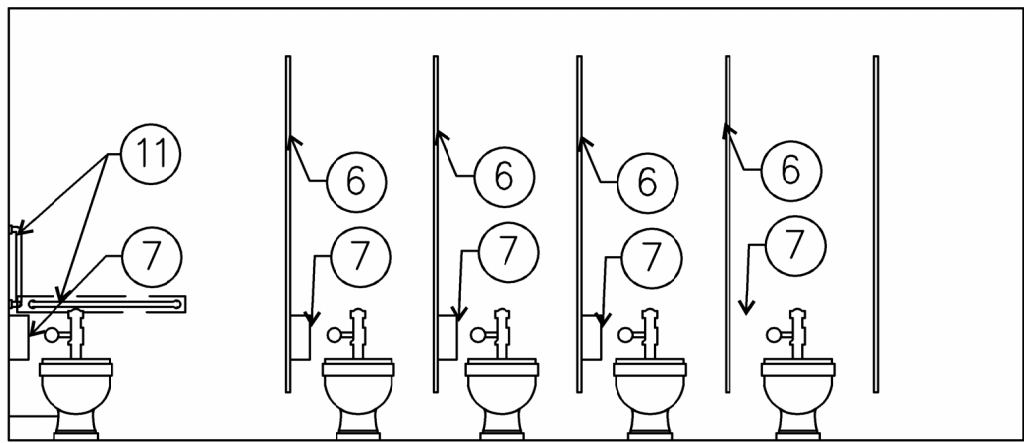


4 INTERIOR - SOUTH ELEVATION

SCALE: 1/4" = 1'-0" (24x36)

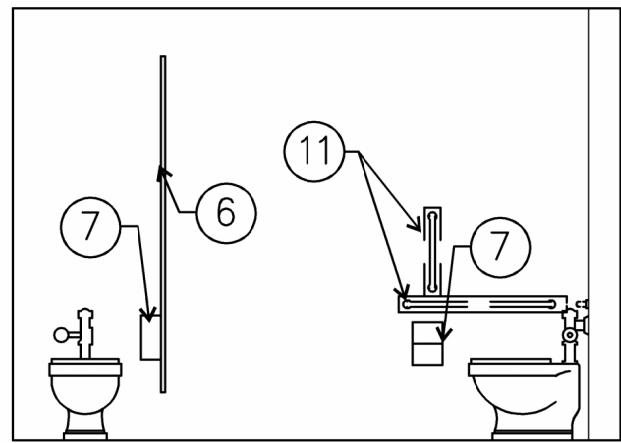
WOMEN'S RESTROOM/LOCKER ROOM
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0" (24x36)



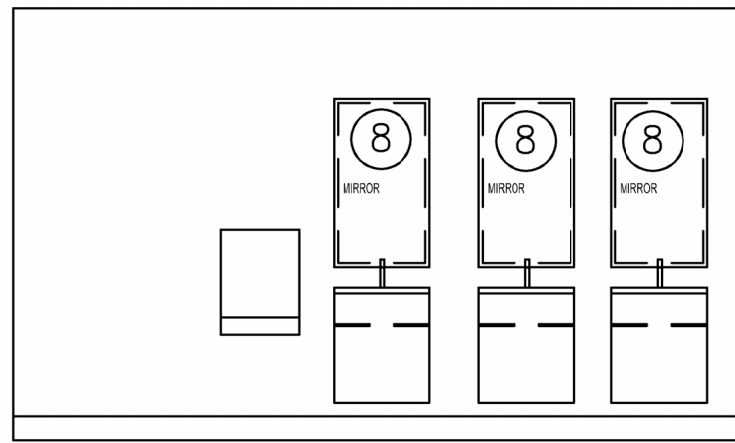
5 INTERIOR - SOUTH ELEVATION

SCALE: 1/4" = 1'-0" (24x36)



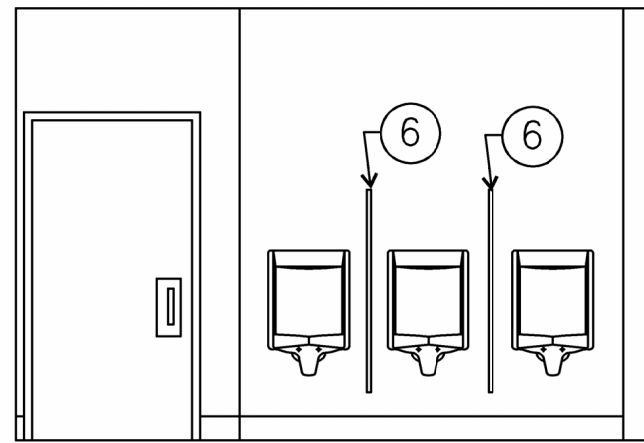
6 INTERIOR - EAST ELEVATION

SCALE: 1/4" = 1'-0" (24x36)



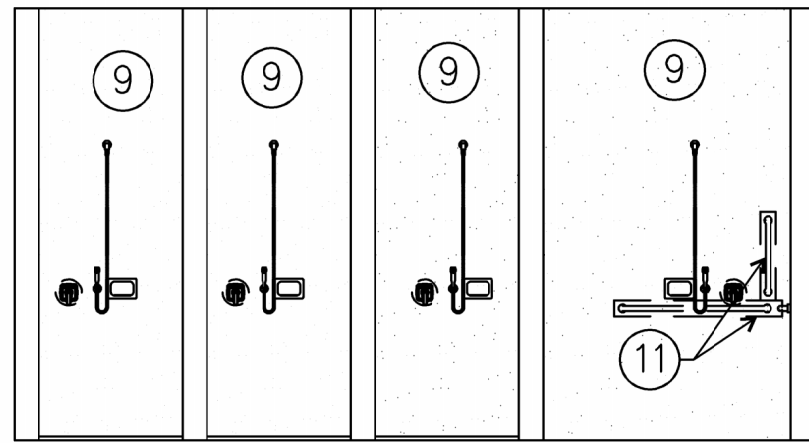
7 INTERIOR - NORTH ELEVATION

SCALE: 1/4" = 1'-0" (24x36)



8 INTERIOR - WEST ELEVATION

SCALE: 1/4" = 1'-0" (24x36)

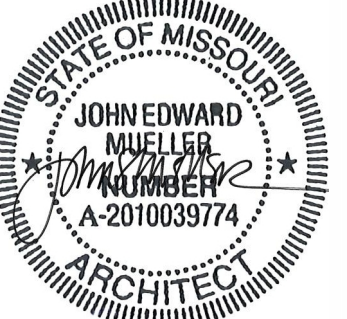


9 INTERIOR - WEST ELEVATION

SCALE: 1/4" = 1'-0" (24x36)

MEN'S RESTROOM/LOCKER ROOM INTERIOR
ELEVATIONS

SCALE: 1/4" = 1'-0" (24x36)



OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF

Festus Readiness Center

Repairs to Int./Ext. Readiness Center,
and Unheated Storage Buildings

ARMY NATIONAL GUARD
2740 State Rd P, Festus, MO 63028

PROJECT # T-2330-01
SITE # 6302
FACILITY # 56377

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: ADDEND 1
DATE: 08/13/2025
ISSUE DATE: 05/22/2024

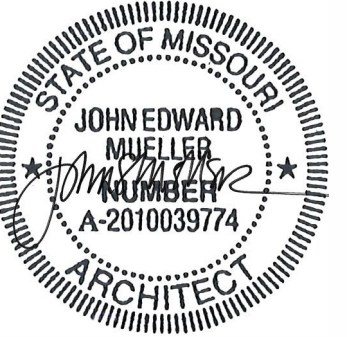
CAD DWG FILE: _____
DRAWN BY: _____
CHECKED BY: _____
DESIGNED BY: _____

SHEET TITLE:
1st FLOOR PLAN

SHEET NUMBER:

A-FP-01

6 OF 19 SHEETS
06/14/2024



OFFICE OF ADMINISTRATION
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DRAWN BY: _____
CHECKED BY: _____
DESIGNED BY: _____

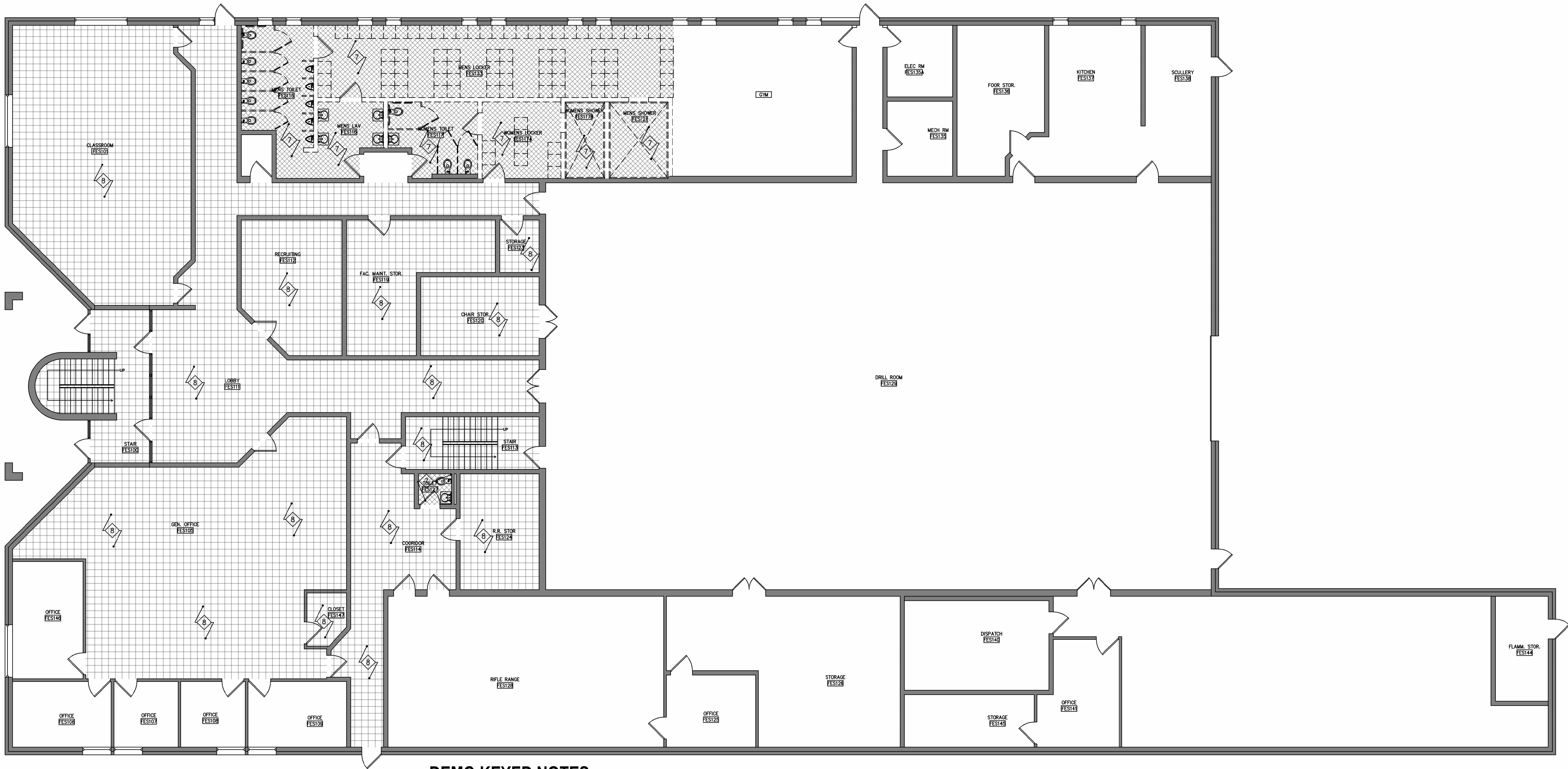
SHEET TITLE:

1st FLOOR
FLOORING
DEMO PLAN

SHEET NUMBER:

A-DP-02

4 OF 19 SHEETS
06/14/2024



DEMO KEYED NOTES

- 1 REMOVE AND DISPOSE OF EXISTING DOOR FRAME, DOOR, AND HARDWARE
- 2 REMOVE EXISTING INTERIOR PARTITION.
- 3 REMOVE EXISTING PLUMBING FIXTURE
- 4 REMOVE EXISTING TOILET PARTITIONS THROUGHOUT
- 5 REMOVE EXISTING LOCKERS. SALVAGE FOR OWNER'S REUSE
- 6 REMOVE EXISTING CONC SLAB AS REQUIRED FOR NEW PLUMBING ROUGH IN. EXTENTS TBD
- 7 REMOVE EXISTING WALL AND FLOOR TILE
- 8 REMOVE EXISTING FLOORING - PREP FOR NEW VCT - SEE ALTERNATES
- 9 REMOVE WATER COOLER - RETAIN ALL PLUMBING LINES FOR NEW IN PLACE
- 10 UNDERCUT EXISTING DOOR - SEE MECHANICAL DRAWINGS
- 11 REMOVE AND RETAIN ALL GRAB BARS FOR REUSE
- 12 REMOVE ALL CEILING TILES AND GRID AS REQUIRED FOR INSULATION SCOPE OF WORK - REFER TO CEILING PLAN FOR MORE INFORMATION
- 13 REMOVE AND RETAIN ALL LIGHT FIXTURE FOR REINSTALLATION AT LOCATIONS OF ROOF INSULATION SCOPE OF WORK
- 14 REMOVE EXIST'G CEILING TO ACCESS UNDERSIDE OF ROOFING TO PLACE NEW INSULATION. REMOVE, SALVAGE, AND REINSTALL ALL LIGHTING IN AREA OF INSULATION WORK

FLOOR PLAN LEGEND

NEW PARTITION
PARTITION TYPE P1 UNLESS NOTED OTHERWISE
EXISTING EXTERIOR/INTERIOR PARTITION
PARTITION TYPE P2/P2A UNLESS NOTED OTHERWISE
SEE CODE PLANS SHEET A-00
----- EXISTING PARTITION TO BE REMOVED

SHADED AREAS INDICATE NO WORK

NEW DOOR and DOOR TAG
EXISTING DOOR TO REMAIN - NO WORK
EXISTING DOOR TO BE REMOVED

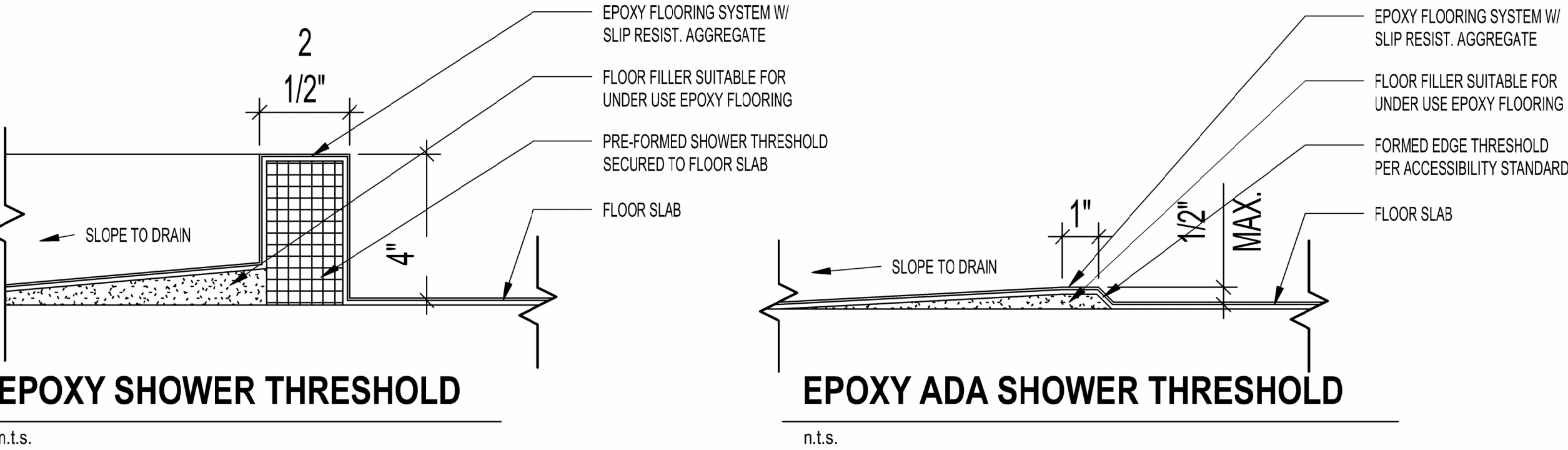


1st FLOOR FLOORING DEMO PLAN

SCALE: 1/8" = 1'-0" (24x36)

ROOM FINISH SCHEDULE										
ROOM #	ROOM NAME	FLOOR	BASE	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL	CLG. FIN.	CLG. HGT.	NOTES
1st FLOOR										
FES N-01	WOMEN'S RESTROOM	FL-02	INTGRL	PT-1 / PT-2	PT-1 / PT-2	PT-1 / PT-2	PT-1 / PT-2	ACT	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406
FES N-02	WOMEN'S SHOWER/LOCKER	FL-02	INTGRL	PT-1 / PT-2	PT-1 / PT-2	PT-1 / PT-2	PT-1 / PT-2	ACT/GYP. BD.	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406, GYP. BD. CEILINGS AT ALL SHOWER AREAS
FES N-03	MEN'S RESTROOM	FL-02	INTGRL	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	ACT	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406
FES N-04	MEN'S SHOWER/LOCKER 1	FL-02	INTGRL	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	ACT/GYP. BD.	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406, GYP. BD. CEILINGS AT ALL SHOWER AREAS
FES N-05	MEN'S SHOWER/LOCKER 2	FL-02	INTGRL	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	ACT/GYP. BD.	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406, GYP. BD. CEILINGS AT ALL SHOWER AREAS
FES N-06	NEW MEN'S LOCKER ROOM	FL-02	INTGRL	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-3	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406
	-- ALL REMAINING 1st FLOOR --	FL-01	BS-01	---	---	---	---	---	---	SEE ALTERNATES
	-- ALL STAIRS -- ANGLE FIT RUBBER STAIR TREADS w/ RAISED ROUND PROFILE									SEE ALTERNATES
2nd FLOOR										
008	EXST'G WOMEN'S RESTROOM	FL-02	INTGRL	PT-1 / PT-2	PT-1 / PT-2	PT-1 / PT-2	PT-1 / PT-2	PT-3	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406
009	EXST'G MEN'S RESTROOM	FL-02	INTGRL	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-3	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406
	-- ALL REMAINING 2nd FLOOR --	FL-01	BS-01	---	---	---	---	---	---	SEE ALTERNATES
	-- ALL STAIRS -- ANGLE FIT RUBBER STAIR TREADS w/ RAISED ROUND PROFILE									SEE ALTERNATES

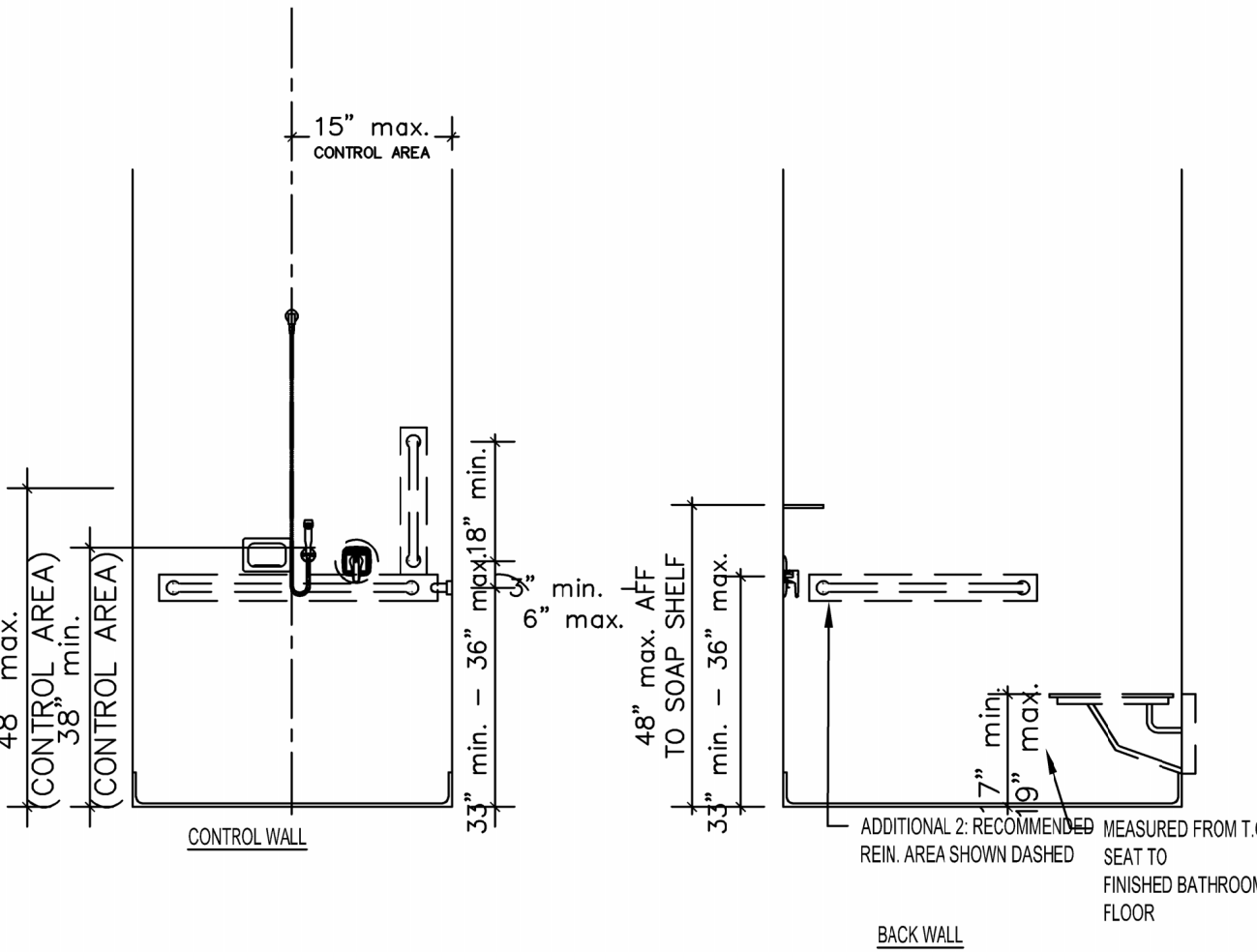
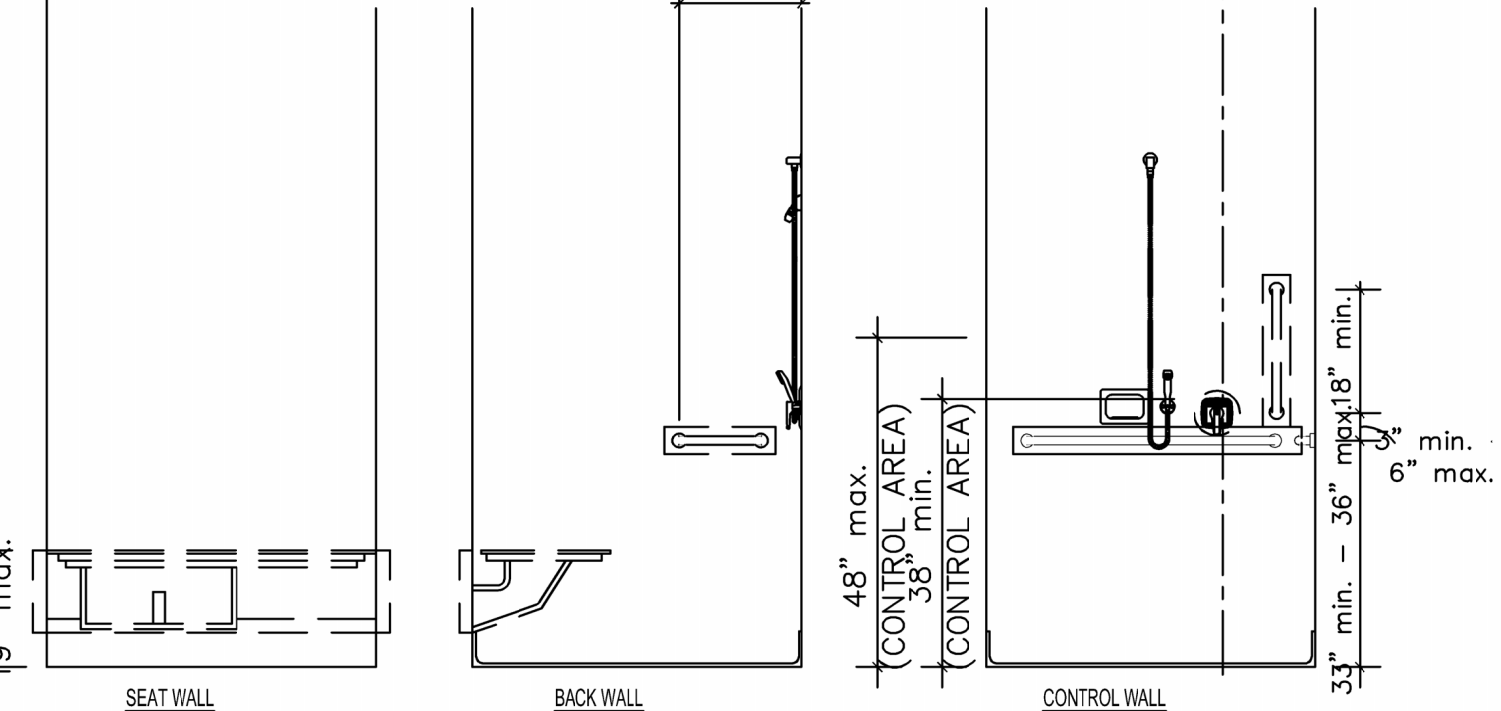
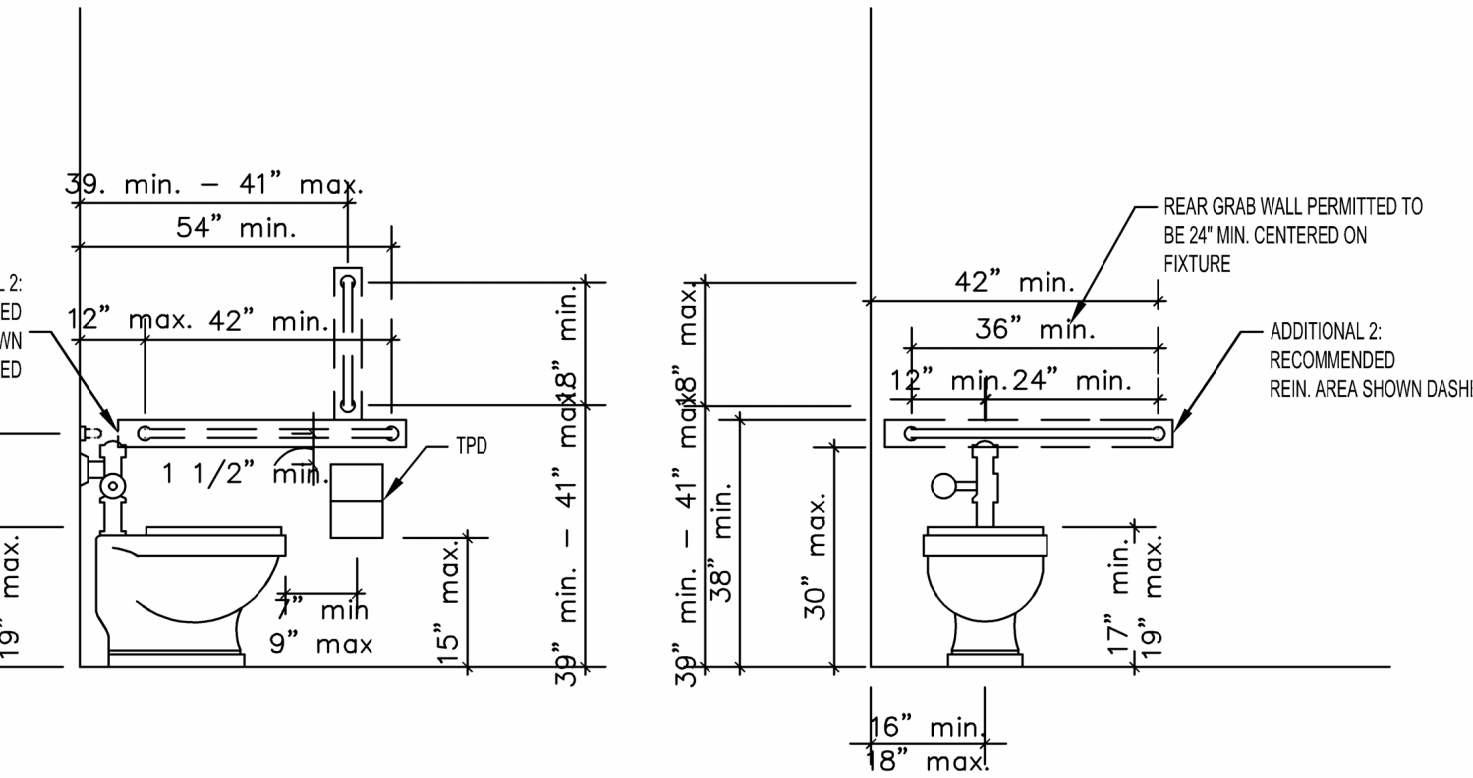
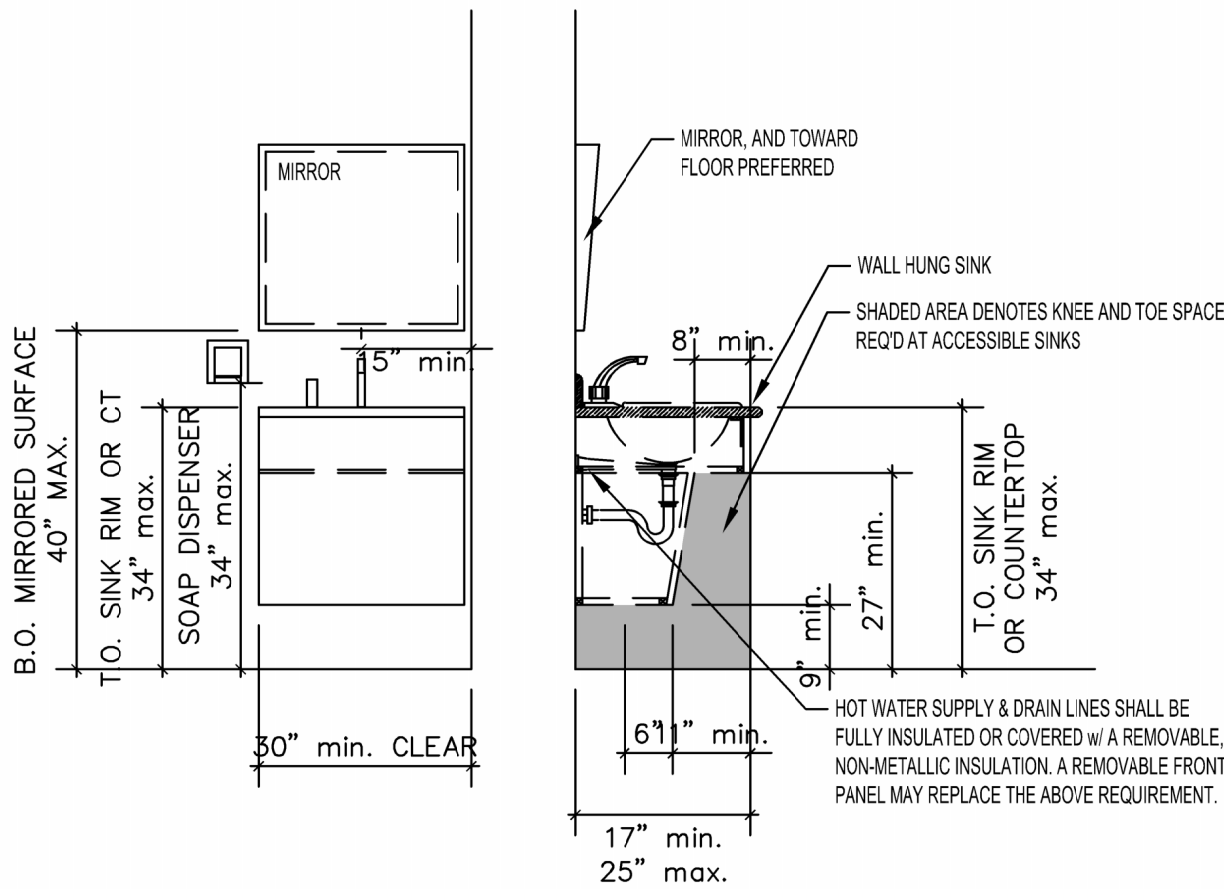
DOOR SCHEDULE									
*** NOTE -- UNMARKED DOORS INDICATE EXISTING, WITH HARDWARE, OPERATION, AND FIRE RATING TO REMAIN AS EXISTING -- NO WORK. ***									
		DOORS *** FIELD VERIFY SIZES OF ALL REPLACEMENT DOORS ***						FRAMES	NOTES
TYPE	NO.	MATL.	SIZE		HOW. GRP.	RATING	FINISH	REMARKS	*** FIELD VERIFY SIZES OF ALL REPLACEMENT DOORS ***
A	101	HLW MTL	36	84	A	NONE	PT-4	REPLACEMENT, SIDELITE TO REMAIN. MATCH EXISTING, MEDIUM STYLE. FIELD VERIFY	MTL. PREP, PRIME, PAINT FULLY TEMPERED INSULATED CLEAR GLASS UNIT
A1	102	HLW MTL	36	84	A	NONE	PT-4	REPLACEMENT, MATCH EXISTING MEDIUM STYLE. FIELD VERIFY.	MTL. PREP, PRIME, PAINT FULLY TEMPERED INSULATED CLEAR GLASS UNIT
A1	103	HLW MTL	36	84	A	NONE	PT-4		MTL. PREP, PRIME, PAINT FULLY TEMPERED INSULATED CLEAR GLASS UNIT
A1	104	HLW MTL	36	84	A	NONE	PT-4		MTL. PREP, PRIME, PAINT FULLY TEMPERED INSULATED CLEAR GLASS UNIT
B	105	HLW MTL	36	84	B	NONE	PT-4		MTL. PREP, PRIME, PAINT WITH EXTEIOR RATED LOUVERS. MATCH EXISTING
A1	106	HLW MTL	36	84	A	NONE	PT-4		MTL. PREP, PRIME, PAINT FULLY TEMPERED INSULATED CLEAR GLASS UNIT
C	107	HLW MTL	36	84	C	20 min	PT-4	ALTERNATE / OWNER'S OPTION REPLACEMENT MATCH EXISTG. FIELD VERIFY.	MTL. PREP, PRIME, PAINT
C	108	HLW MTL	36	84	C	20 min	PT-4	ALTERNATE / OWNER'S OPTION REPLACEMENT MATCH EXISTG. FIELD VERIFY.	MTL. PREP, PRIME, PAINT
A	109	HLW MTL	36	84	A	NONE	PT-4	REPLACEMENT, SIDELITE TO REMAIN. MATCH EXISTING, MEDIUM STYLE. FIELD VERIFY	MTL. PREP, PRIME, PAINT FULLY TEMPERED INSULATED CLEAR GLASS UNIT
A	110	HLW MTL	36	84	A	NONE	PT-4	REPLACEMENT, SIDELITE TO REMAIN. MATCH EXISTING, MEDIUM STYLE. FIELD VERIFY	MTL. PREP, PRIME, PAINT FULLY TEMPERED INSULATED CLEAR GLASS UNIT
C	201	HLW MTL	36	84	C	20 min	PT-4	ALTERNATE / OWNER'S OPTION REPLACEMENT MATCH EXISTG. FIELD VERIFY.	MTL. PREP, PRIME, PAINT
C	202	HLW MTL	36	84	C	20 min	PT-4	ALTERNATE / OWNER'S OPTION REPLACEMENT MATCH EXISTG. FIELD VERIFY.	MTL. PREP, PRIME, PAINT



HARDWARE GROUP A: REPLACEMENT ENTRY/EXIT DOORS (EXTERIOR)				
For use on mark/door sets #(s): 101 102 103 104 106 109 110				
Each Set of Doors To Have: (note these are double door configurations)				
Qty	Description	Catalog Number	Finish	Mfr
1	CONT. HINGE	780-111 HD	ALM	HAGER
(780-110 ONLY FOR DOORS 1" TO 1.375")				
1	CLOSERS	5200 HDCS	ALM	HAGER
1	MORTISE CYLNDR	3902 x LAR	US32D	HAGER
1	CYLNDR ESTCHN	45CE	US32D	HAGER
1	DEADLOCK	3215	US32D	HAGER
1	SET SEALS	726 x LAR	CHA	HAGER
(OR BY DOOR MANUF.R.)				
1	DOOR SWEEP	200NA	CLR	NATIONAL GUARD PRODUCTS
(OR BY DOOR MANUF.R.)				
1	DOOR SWEEP	200NA	CLR	NATIONAL GUARD PRODUCTS

HARDWARE GROUP B: NON-EXIT DOORS (EXTERIOR)				
For use on mark/door sets #(s): 105				
Each Door To Have:				
Qty	Description	Catalog Number	Finish	Mfr
3	HINGES	BB1168 4.5x4.5 NRP	US26D	HAGER
1	MORTISE CYLNDR	3902 x LAR	US32D	HAGER
1	CYLNDR ESTCHN	45CE	US32D	HAGER
1	DEADLOCK	3215	US32D	HAGER
1	SET SEALS	726 x LAR	CHA	HAGER
(OR BY DOOR MANUF.R.)				
1	DOOR SWEEP	200NA	CLR	NATIONAL GUARD PRODUCTS
1	HEAD WTHR STRP	81CS	MIL	HAGER
CONTINUOUS				

HARDWARE GROUP C: REPLACEMENT INTERIOR DOORS (RESTROOMS) - ALTERNATE / OWNER OPTION				
For use on mark/door #(s): 107 108 201 202				
Each Door To Have:				
Qty	Description	Catalog Number	Finish	Mfr
3	HINGES	BB1168 4.5x4.5 NRP	US36D	HAGER
1	CLOSERS	5200 HDCS	ALM	HAGER
2	PUSH PLATE	30S 3 X12	US32D	HAGER
1	SOLID PULL	36	US32D	HAGER
2	KICK PLATES	190S 8"x1" LDW CKS	US32D	HAGER
1	DOOR SWEEP	200NA	CLR	NATIONAL GUARD PRODUCTS
1	FLOOR STOP and HOLDER	258 F	US32D	HAGER



SINK CLEARANCES & HEIGHT

TOILET STANDARDS

TRANSFER SHOWERS

ROLL-IN SHOWERS w/ SEAT

INTERIOR FINISHES

- FL-01** FLOORING - VINYL COMPOSITE TILE (VCT) - ARMSTRONG 'STANDARD EXCELON IMPERIAL TEXTURE' 12"x12" COLOR: SILK 59234. FINAL SELECTION BY OWNER - SEE ALTERNATES
- FL-02** FLOORING - POURED EPOXY FLOOR w/ 6" INTEGRAL BASE - DUR-A-QUARTZ Q28-21 (2) GROUT COATS ARMOR TOP GLOSS PREP FLOOR w/ 2 COATS CLEAR EPOXY COATING ALTERNATE: 1 COAT CLEAR EPOXY FINISH

- BS-01** BASE - JOHNSONITE TRADITIONAL 6" RUBBER BASE w/ TOE PROFILE, FULL SPREAD ADHESIVE INSTALLATION BASEBOARDS THROUGHOUT. COLOR 71 'STORM CLOUD' - SEE ALTERNATES

PAINT SYSTEMS - SHERWIN-WILLIAMS PAINTS

- PT-1** CMU WALLS (2) COATS LOXON BLOCK SURFACER, FOR USE ON UNPAINTED CMU BLOCK WALLS. (2) COATS EXTREME BOND PRIMER, FOR USE ON GLAZED CMU BLOCK WALLS (2) COATS PRO-MAR 400 SEMI-GLOSS COLOR SW7065 ARGOS

PAINT SYSTEMS - SHERWIN-WILLIAMS PAINTS

- PT-2** NEW GYP. BD. WALLS (1) COAT PRO-MAR 200 INTERIOR LATEX PRIMER/SEALER COLOR SW7065 ARGOS

- PT-1A** CMU WALLS (2) COATS LOXON BLOCK SURFACER, FOR USE ON UNPAINTED CMU BLOCK WALLS. (2) COATS EXTREME BOND PRIMER, FOR USE ON GLAZED CMU BLOCK WALLS (2) COATS PRO-MAR 400 SEMI-GLOSS COLOR SW7065 ARGOS

- PT-2A** NEW GYP. BD. WALLS (1) COAT PRO-MAR 200 INTERIOR LATEX PRIMER/SEALER (2) COATS PRO-MAR 200 SATIN COLOR SW7065 ARGOS

- PT-3** NEW GYP. CEILINGS (1) COAT PRO-MAR 200 INTERIOR LATEX PRIMER/SEALER (2) COATS PRO-MAR INTERIOR LATEX CEILING PAINT COLOR SW7005 PURE WHITE

- PT-4** HOLLOW METAL DOOR and FRAMES, WOOD DOORS (2) COATS EMERALD INTERIOR/EXTERIOR URETHANE ENAMEL COLOR - MATCH EXISTING ADJACENT

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF

Festus Readiness Center

Repairs to Int./Ext. Readiness Center,
and Unheated Storage Buildings

ARMY NATIONAL GUARD
2740 State Rd P, Festus, MO 63028

PROJECT # T-2330-01
SITE # 6302
FACILITY # 56377

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: ADDENDA 1
DATE: 08/13/2025
ISSUE DATE: 05/22/2024

CAD DWG FILE: _____
DRAWN BY: _____
CHECKED BY: _____
DESIGNED BY: _____

SHEET TITLE:
SCHEDULES

SHEET NUMBER:

A-SH-06

12 OF 19 SHEETS
06/14/2024

SECTION 004322 - UNIT PRICES FORM

PROJECT NUMBER: T2330-01

1.0 Description

- A. For changing specified quantities of work from those indicated by the contract drawings and specifications, upon written instructions of Owner, the following unit prices shall prevail. The unit prices include all labor, overhead and profit, materials, equipment, appliances, bailing, shoring, shoring removal, etc., to cover the finished work of the several kinds of work called for. Only a single unit price shall be given and it shall apply for either MORE or LESS work than that shown on the drawings and called for in the specifications or included in the Base Bid. In the event of more or less units than so indicated or included during construction the total contract price shall be decreased as appropriate or increased by contract change in accordance with General Conditions Article 4.1.

2.0 Unit Prices**A. Unit Price No. 1:**

1. Description: Acoustic Ceiling Tile according to Division 09 Section "Acoustical Tile Ceilings".
2. Unit of Measurement: Per Square Foot (SF)
3. Base Bid Quantity: 750 square feet, equating to approximately 5% of total ceiling area, as noted in Drawings A-RC-01 and A-RC-02.

\$ _____ per square foot.

B. Unit Price No. 2:

1. Description: Plastic faced Glass-fiber Blanket Insulation installed in the large Drill Room, FES129, to replace the existing insulation that is falling out and not secured in place.
2. Unit of Measurement: Per Square Foot (SF)
3. Base Bid Quantity: Total area of unit 80 square feet.

\$ _____ per square foot.

C. Unit Price No. 3:

1. Description: Install tape for insulation to mend damaged areas of the facer.
2. Unit of Measurement: Installation of tape on an approximately 1 square foot area.
3. Base Bid Quantity: Total area of 100 square feet.

\$ _____ per square foot.

SECTION 012200 – UNIT PRICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract including General and Supplementary Conditions and other Division 1 Specification Sections apply to this Section.
- B. Quantities of Units to be included in the Base Bid are indicated in Section 004322 – Unit Prices.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for Unit Prices.
- B. Related Sections include the following:
 - 1. Division 1 Section "Allowances" for procedures for using Unit Prices to adjust quantity allowances.
 - 2. Division 1 Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders.

1.3 DEFINITIONS

- A. Unit Price is a price per unit of measurement for materials or services added to or deducted from the Contract Sum by appropriate modification, if estimated quantities of Work required by the Contract Documents are increased or decreased.

1.4 PROCEDURES

- A. Unit Prices include all necessary material plus cost for delivery, installation, insurance, overhead, and profit.
- B. Measurement and Payment: Refer to individual Specification Sections for work that requires establishment of Unit Prices. Methods of measurement and payment for Unit Prices are specified in those Sections.
- C. Owner reserves the right to reject Contractor's measurement of Work in-place that involves use of established Unit Prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- D. List of Unit Prices: A list of Unit Prices is included in Part 3. Specification Sections referenced in the schedule contain requirements for materials described under each Unit Price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 LIST OF UNIT PRICES

A. Unit Price No. 1:

1. Description: Acoustic Ceiling Tile according to Division 09 Section "Acoustical Tile Ceilings"
2. Unit of Measurement: Removal and Replacement per Square Foot.
3. Base Bid Quantity: 750 square foot, equating to approximately 5% of total ceiling area as noted Drawings A-RC-01 and A-RC-02

B. Unit Price No. 2:

1. Description: Plastic faced Glass-fiber Blanket Insulation installed in the large Drill Room, FES129, to replace the existing insulation that is falling out and not secured in place.

C. Unit of Measurement: Square Foot

3. Base Bid Quantity: Total area of unit 80 square feet.

D. Unit Price No. 3:

1. Description: Install tape for insulation to mend damaged areas of the facer.
2. Unit of Measurement: Installation of tape on an approximately 1 square foot area.
3. Base Bid Quantity: Total area of 100 square feet.

END OF SECTION 012200

SECTION 072100 - THERMAL INSULATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Polypropylene-Scrim-Kraft Faced Glass-fiber Blanket Insulation. (match Plastic Faced Glass-fiber Blanket Insulation at underside of pre-engineered metal building roof)
 - 2. Spray foam Insulation (Alternate in-lieu of Plastic Faced Glass-fiber Blanket Insulation)

1.3 SUBMITTALS

- A. See Division 01 Section - Submittal Procedures (Electronic), for submittal procedures.
- B. Product Data: For each type of product indicated.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Protect insulation materials from physical damage and from deterioration due to moisture, soiling, and other sources. Store inside and in a dry location. Comply with manufacturer's written instructions for handling, storing, and protecting during installation.
- B. Protect foam-plastic board insulation as follows:
 - 1. Do not expose to sunlight except to necessary extent for period of installation and concealment.
 - 2. Protect against ignition at all times. Do not deliver insulation materials to Project site before installation time.
 - 3. Quickly complete installation and concealment of insulation in each area of construction.

1.5 QUALITY ASSURANCE

- A. Preinstallation Conference: Conduct conference at Project site.
- B. Owner will provide third party energy rater to perform pre-gyp.bd. thermal by-pass inspections. Contractor will correct all deficiencies prior to installation of gyp. bd..

PART 2 - PRODUCTS

2.1 **POLYPROPYLENE-SCRIM-KRAFT FACED GLASS-FIBER BLANKET INSULATION**

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. Match existing
 - 2. Johns Manville ~~Un-faced~~ Fiber Glass Insulation
 - 3. Owens Corning
 - 4. CertainTeed Corporation.
 - 5. Substitutions are permitted- See Section 012500 Substitution Procedures.
- B. Free of Formaldehyde: Insulation manufactured with 100 percent acrylic binders and no formaldehyde.
- C. ~~Un-Faced~~, Glass-Fiber Blanket Insulation, Polypropylene-Scrim-Faced: ASTM C 665, Type I ASTM C665, Type II (nonreflective faced), Class A (faced surface with a flame-spread index of 25 or less; Category 1 (membrane is a vapor barrier)
- 1. Thermal Resistance at Roofs: R-38
- D. Eave Ventilation Troughs: Preformed, rigid fiberboard or plastic sheets designed and sized to fit between roof framing members and to provide cross ventilation between insulated attic spaces and vented eaves.

2.2 SPRAY FOAM INSULATION (alternate in-lieu of plastic faced glass fiber blanket insulation)

- A. Provide polyurethane-based insulating foam sealant that fills small voids and cracks around building components.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Clean substrates of substances that are harmful to insulation or that interfere with insulation attachment.

3.2 INSTALLATION, GENERAL

- A. Comply with insulation manufacturer's written instructions applicable to products and applications indicated.
- B. Install insulation that is undamaged, dry, and unsoiled and that has not been left exposed to ice, rain, or snow at any time.
- C. Extend insulation to envelop entire area to be insulated. Cut and fit tightly around obstructions and fill voids with insulation. Remove projections that interfere with placement.

- D. Provide sizes to fit applications indicated and selected from manufacturer's standard thicknesses, widths, and lengths. Apply single layer of insulation units to produce thickness indicated unless multiple layers are otherwise shown or required to make up total thickness.

3.3 INSTALLATION OF INSULATION

- A. Apply insulation units to substrates by method indicated, complying with manufacturer's written instructions. If no specific method is indicated, bond units to substrate with adhesive or use mechanical anchorage to provide permanent placement and support of units.
- B. Plastic Faced Glass-Fiber Blanket Insulation: Install in cavities formed by framing members according to the following requirements:
 - 1. Use insulation widths and lengths that fill the cavities formed by framing members. If more than one length is required to fill the cavities, provide lengths that will produce a snug fit between ends.
 - 2. Place insulation in cavities formed by framing members to produce a friction fit between edges of insulation and adjoining framing members.
 - 3. Maintain 3-inch clearance of insulation around recessed lighting fixtures not rated for or protected from contact with insulation.
 - 4. Install eave ventilation troughs between roof framing members in insulated attic spaces at vented eaves.

3.4 PROTECTION

- A. Protect installed insulation from damage due to harmful weather exposures, physical abuse, and other causes. Provide temporary coverings or enclosures where insulation is subject to abuse and cannot be concealed and protected by permanent construction immediately after installation.

END OF SECTION 072100

SECTION 099123 - INTERIOR PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes surface preparation and the application of paint systems on the following interior substrates:
 - 1. Concrete masonry units (CMU).
 - 2. Steel.
 - 3. Galvanized metal.
 - 4. Aluminum (not anodized or otherwise coated).
 - 5. Wood.
 - 6. Gypsum board.
 - 7. Glazed Concrete masonry units (CMU)
- B. Related Requirements:
 - 1. Section 099113 "Exterior Painting" for surface preparation and the application of paint systems on exterior substrates.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include preparation requirements and application instructions.
 - 1. Indicate VOC content.
- B. Samples for Initial Selection: For each type of topcoat product.
- C. Samples for Verification: For each type of paint system and in each color and gloss of topcoat.
 - 1. Submit Samples on rigid backing, 8 inches (200 mm) square.
 - 2. Label each coat of each Sample.
 - 3. Label each Sample for location and application area.
- D. Product List: For each product indicated, include the following:
 - 1. Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules.
 - 2. Indicate VOC content.

1.4 CLOSEOUT SUBMITTALS

1. Coating Maintenance Manual: Provide coating maintenance manual including area summary with finish schedule, area detail designating location where each product/color/finish was used, product data pages, material safety data sheets, care and cleaning instructions, touch-up procedures, and color samples of each color and finish used.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 1. Paint: 1 gal. (3.8 L) of each material and color applied.

1.6 QUALITY ASSURANCE

- A. Mockups: Apply mockups of each paint system indicated and each color and finish selected to verify preliminary selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
 1. Architect will select one surface to represent surfaces and conditions for application of each paint system specified in Part 3.
 - a. Vertical and Horizontal Surfaces: Provide samples of at least 100 sq. ft. (9 sq. m).
 - b. Other Items: Architect will designate items or areas required.
 2. Final approval of color selections will be based on mockups.
 - a. If preliminary color selections are not approved, apply additional mockups of additional colors selected by Architect at no added cost to Owner.
 3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Delivery and Handling: Deliver products to Project site in undamaged condition in manufacturer's original sealed containers, complete with labels and instructions for handling, storing, unpacking, protecting, and installing. Packaging shall bear the manufacturer's label with the following information:
 1. Product name and type (description).
 2. Batch date.
 3. Color number.
 4. VOC content.
 5. Environmental handling requirements.

6. Surface preparation requirements.
 7. Application instructions.
- B. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F (7 deg C).
1. Maintain containers in clean condition, free of foreign materials and residue.
 2. Remove rags and waste from storage areas daily.

1.8 FIELD CONDITIONS

- A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F (10 and 35 deg C).
- B. Do not apply paints when relative humidity exceeds 85 percent; at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.
- C. Lead Paint: It is not expected that lead paint will be encountered in the Work.
1. If suspected lead paint is encountered, do not disturb; immediately notify Architect and Owner.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Sherwin-Williams Company (The):
- B. Comparable Products: Comparable products of approved manufacturers will be considered in accordance with Section 012500 "Substitution Procedures," and the following:
1. Products are approved by manufacturer in writing for application specified.
 2. Products meet performance and physical characteristics of basisofdesign product including published ratio of solids by volume, plus or minus two percent.
- C. Source Limitations: Obtain paint materials from single source from single listed manufacturer.
1. Manufacturer's designations listed on a separate color schedule are for color reference only and do not indicate prior approval.

2.2 PAINT, GENERAL

- A. Material Compatibility:
1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.

2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.
- B. VOC Content: For field applications that are inside the weatherproofing system, paints and coatings shall provide materials that comply with VOC limits of authorities having jurisdiction and for interior paints and coatings applied at Project site, the following VOC limits exclusive of colorants added to a tint base, when calculated according to 40 CFR 59, Subpart D (EPA Method 24):
1. Flat Paints and Coatings: 50 g/L.
 2. Nonflat Paints and Coatings: 150 g/L.
 3. Primers, Sealers, and Undercoaters: 200 g/L.
 4. Anticorrosive and Antirust Paints Applied to Ferrous Metals: 250 g/L.
 5. Floor Coatings: 100 g/L.
 6. Shellacs, Clear: 730 g/L.
 7. Shellacs, Pigmented: 550 g/L.
- C. Low-Emitting Materials: Interior paints and coatings shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small Scale Environmental Chambers."
- D. Colors: As selected by Architect from manufacturer's full range
1. 30 percent of surface area will be painted with deep tones.

2.3 SOURCE QUALITY CONTROL

- A. Testing of Paint Materials: Owner reserves the right to invoke the following procedure:
1. Owner will engage the services of a qualified testing agency to sample paint materials. Contractor will be notified in advance and may be present when samples are taken. If paint materials have already been delivered to Project site, samples may be taken at Project site. Samples will be identified, sealed, and certified by testing agency.
 2. Testing agency will perform tests for compliance with product requirements.
 3. Owner may direct Contractor to stop applying coatings if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying paint materials from Project site, pay for testing, and repaint surfaces painted with rejected materials. Contractor will be required to remove rejected materials from previously painted surfaces if, on repainting with complying materials, the two paints are incompatible.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and

primers. Where acceptability of substrate conditions is in question, apply samples and perform in-situ testing to verify compatibility, adhesion, and film integrity of new paint application.

1. Report, in writing, conditions that may affect application, appearance, or performance of paint.

B. Substrate Conditions:

1. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
 - a. Concrete: 12 percent.
 - b. Masonry (Clay and CMU): 12 percent.
 - c. Wood: 15 percent.
 - d. Gypsum Board: 12 percent.
 - e. Plaster: 12 percent.
2. Gypsum Board Substrates: Verify that finishing compound is sanded smooth.
3. Plaster Substrates: Verify that plaster is fully cured.
4. Spray-Textured Ceiling Substrates: Verify that surfaces are dry.

- C. Proceed with coating application only after unsatisfactory conditions have been corrected; application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Manual" applicable to substrates indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
- C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
- D. Concrete Substrates: Remove release agents, curing compounds, efflorescence, and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces to be painted exceeds that permitted in manufacturer's written instructions.
1. Concrete Floors: Remove oil, dust, grease, dirt, and other foreign materials. Comply with SSPC-SP-13/NACE 6 or ICRI 03732.

- E. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceed that permitted in manufacturer's written instructions.
- F. Steel Substrates: Remove rust, loose mill scale, and shop primer, if any. Clean using methods recommended in writing by paint manufacturer[.] [but not less than the following:]
 - 1. SSPC-SP 2, "Hand Tool Cleaning."
 - 2. SSPC-SP 3, "Power Tool Cleaning."
 - 3. SSPC-SP 7/NACE No. 4, "Brush-off Blast Cleaning."
 - 4. SSPC-SP 11, "Power Tool Cleaning to Bare Metal."
- G. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.
- H. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal fabricated from coil stock by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.
- I. Aluminum Substrates: Remove loose surface oxidation.
- J. Wood Substrates:
 - 1. Scrape and clean knots, and apply coat of knot sealer before applying primer.
 - 2. Sand surfaces that will be exposed to view, and dust off.
 - 3. Prime edges, ends, faces, undersides, and backsides of wood.
 - 4. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.

3.3 APPLICATION

- A. Apply paints according to manufacturer's written instructions and to recommendations in "MPI Manual."
 - 1. Use applicators and techniques suited for paint and substrate indicated.
 - 2. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
 - 3. Paint front and backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
 - 4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
 - 5. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.
- B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Tint undercoats to match color of topcoat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.

- C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.
- E. Painting Fire Suppression, Plumbing, HVAC, Electrical, Communication, and Electronic Safety and Security Work:
 - 1. Paint the following work where exposed in occupied spaces:
 - a. Equipment, including panelboards.
 - b. Uninsulated metal piping.
 - c. Uninsulated plastic piping.
 - d. Pipe hangers and supports.
 - e. Metal conduit.
 - f. Plastic conduit.
 - g. Duct, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.
 - h. Other items as directed by Architect.
 - 2. Paint portions of internal surfaces of metal ducts, without liner, behind air inlets and outlets that are visible from occupied spaces.

3.4 FIELD QUALITY CONTROL

- A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.
 - 1. Contractor shall touch up and restore painted surfaces damaged by testing.
 - 2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.

3.5 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.

- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.6 INTERIOR PAINTING SCHEDULE

A. CMU Substrates:

1. Latex System:

- a. Block Filler: Block filler, latex, interior/exterior:

- 1) S-W Loxon Block Filler, A24W200, at 10.0 mils (0.254 mm) wet, 8.0 mils (0.203 mm) dry, per coat.

- b. Intermediate Coat: Latex, interior, matching topcoat.

- c. Topcoat: Latex, interior, semi-gloss:

- 1) S-W ProMar 400 Zero VOC Latex Semi-Gloss, B31-2600 Series, at 4.0 mils (0.102 mm) wet, 1.6 mils (0.041 mm) dry, per coat.

B. Metal Substrates (Aluminum, Steel, Galvanized Steel):

1. Latex System:

- a. Prime Coat: Primer, rust-inhibitive, water based:

- 1) S-W Pro Industrial Pro-Cryl Universal Primer, B66-310 Series, at 5.0 to 10 mils (0.127 to 0.254 mm) wet, 2.0 to 4.0 mils (0.051 to 0.102 mm) dry.

- b. Intermediate Coat: Water-based acrylic, interior, matching topcoat.

- c. Topcoat: Water-based acrylic, gloss:

- 1) S-W Pro Industrial Acrylic Semi-Gloss Coating, B66-660 Series, at 2.5 to 4.0 mils (0.064 to 0.102 mm) dry, per coat.

C. Wood Substrates: Including exposed wood items not indicated to receive shop-applied finish.

1. Latex System:

- a. Prime Coat: Primer sealer, latex, interior:

- 1) S-W PrepRite ProBlock Primer Sealer, B51-620 Series, at 4.0 mils (0.102 mm) wet, 1.4 mils (0.036 mm) dry.

- b. Intermediate Coat: Latex, interior, matching topcoat.

- c. Topcoat: Latex, interior, eggshell:

- 1) S-W ProMar 200 Zero VOC Latex Eg-Shel, B20-2600 Series, at 4.0 mils (0.102 mm) wet, 1.7 mils (0.043 mm) dry, per coat.

d. Topcoat: Latex, interior, semi-gloss:

- 1) S-W ProMar 200 Zero VOC Latex Semi-Gloss, B31-2600 Series, at 4.0 mils (0.102 mm) wet, 1.6 mils (0.041 mm) dry, per coat.

D. Gypsum Board Ceiling Substrates:

1. Latex System:

a. Prime Coat: Primer, latex, interior:

- 1) S-W ProMar 200 Zero VOC Latex Primer, B28W2600, at 4.0 mils (0.102 mm) wet, 1.0 mils (0.025 mm) dry.

b. Intermediate Coat: Latex, interior, matching topcoat.

c. Topcoat: Latex, interior, semi-gloss:

- 1) S-W ProMar Interior Latex Ceiling Paint

E. Gypsum Board Substrates:

1. Latex System:

a. Prime Coat: Primer, latex, interior:

- 1) S-W ProMar 200 Zero VOC Latex Primer, B28W2600, at 4.0 mils (0.102 mm) wet, 1.0 mils (0.025 mm) dry.

b. First Coat: Latex, interior, matching topcoat.

c. Topcoat: Latex, interior, satin:

- 1) S-W Paint Pro-Mar 200 Zero VOC Latex, at 4.0 mils (0.102 mm) wet, 1.8 mils (0.046 mm) dry, per coat. Brush and roll application only.

F. Glazed CMU Substrates:

1. Prime Coat: Extreme Bond Primer

a. S-W Extreme Bond Primer, B51W01150, at 3.1 mils (0.079 mm) wet, 1.0 mils (0.025 mm) dry.

b. Intermediate Coat: Latex, interior, matching topcoat.

c. Topcoat: Latex, interior, semi-gloss:

- 1) S-W ProMar 400 Zero VOC Latex Semi-Gloss, B31-2600 Series, at 4.0 mils (0.102 mm) wet, 1.6 mils (0.041 mm) dry, per coat.

**FESTUS READINESS CENTER –
PROJECT # T2330-01**

SITE# 6302

FACILITY # 56377

END OF SECTION 099123

SECTION 102113 - PLASTIC TOILET PARTITIONS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

Plastic toilet compartment partitions for following applications:

- a. Toilet enclosures.
- b. Sight screens.
- c. Urinal screens.

B. Related Requirements:

Division 03 Section "Cast in Place Concrete" for compartment anchorage to concrete substrates.

Division 04 Section "Unit Masonry" for compartment anchorage to masonry substrates.

Division 05 Section "Metal Fabrications" for miscellaneous structural and support metal components required to secure compartments.

Division 06 Section "Rough Carpentry" for compartment anchorage to frame walls.

1.2 REFERENCES

A. ASTM International (ASTM):

ASTM A 240 - Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications.

ASTM A 666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.

ASTM A 743/A 743M - Standard Specification for Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application.

ASTM B 86 - Standard Specification for Zinc and Zinc-Aluminum (ZA) Alloy Foundry and Die Castings.

ASTM B 221 - Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

B. International Code Council (ICC)/American National Standards Institute (ANSI):

ICC/ANSI A117.1 - Accessible and Usable Buildings and Facilities, as applicable to toilet compartments designated as accessible.

C. United States Department of Justice:

ADA - Americans with Disabilities Act, Excerpt from 28 CFR Part 36 - ADA Standards for Accessible Design.

D. GREENGUARD Environmental Institute (GREENGUARD):

1. GREENGUARD certified low emitting products.

1.3 ACTION SUBMITTALS

- A. Product Data: Manufacturer's data sheets for each type of product indicated. Include fabrication details, description of materials and finishes.

Product Test Reports: When requested by Architect, submit documentation by qualified independent testing agency indicating compliance of products with requirements.

- B. Shop Drawings: Include overall product dimensions, floor plan, elevations, sections, details, and attachments to other work. Include choice of options with details.
- C. Samples for Selection: Furnish samples of manufacturer's full range of colors for initial selection.
- D. Samples for Verification: Furnish physical sample of material in selected color.

Size: 2 by 2 inch (52 by 52 mm) minimum, in type of finish specified.

1.4 INFORMATIONAL SUBMITTALS

- A. Warranty: Sample of special warranty.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance and cleaning instructions.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Approved manufacturer listed in this section, with minimum [5] years experience in the manufacture of toilet compartments.
- B. Manufacturer Qualifications: Approved manufacturer listed in this section, with minimum [5] years experience in the manufacture of toilet compartments. Manufacturers seeking approval must submit the following in accordance with Instructions to Bidders and Division 01 requirements:

Product data, including test data from qualified independent testing agency indicating compliance with requirements.

Samples of each component of product specified.

List of successful installations of similar products available for evaluation by Architect.

- C. Installers Qualifications: Experienced Installer regularly engaged in installation of toilet compartments for minimum 3 years.
- D. Source Limitations: Obtain toilet compartment components and accessories from single manufacturer.
- E. Accessibility Requirements: Comply with requirements of ICC/ANSI 117.1, and with requirements of authorities having jurisdiction.
- F. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E 84 by qualified testing agency. Identify products with appropriate markings of applicable testing agency.

Flame-Spread Index: Not greater than 75.
Smoke-Developed Index: 450.

- G. Tested in accordance with NFPA 286.
- H. Indoor Environmental Quality Certification: Provide certificate indicated that products have been certified under the following programs, or a comparable certification acceptable to Owner:
 - 1. GREENGUARD Indoor Air Quality Certified.
 - 2. GREENGUARD Certified for Children and Schools.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver toilet compartments to site until building is enclosed and HVAC systems are in operation.

Deliver toilet compartments in manufacturer's original packaging.
Store in an upright condition.

1.8 WARRANTY

- A. Special Manufacturer's Warranty: Provide manufacturer's standard form in which manufacturer agrees to repair or replace products that fail in materials or workmanship during the following period after substantial completion:

Plastic Toilet Partitions: Against corrosion, breakage, and delamination: 15 years.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design Manufacturer: Subject to compliance with requirements, provide products of **Bradley Corporation, The Mills Company, Menomonee Falls, WI 53051.**

Contact Information: (800)272-3539, fax (262)251-5817; Email info@BradleyCorp.com;
Website www.bradleycorp.com.

2.2 MATERIALS

- A. Plastic Panels: High density polyethylene (HDPE) suitable for exposed applications, waterproof, non-absorbent, and graffiti-resistant textured surface, [Class C] [Class B].

Provide panels with minimum 30 percent pre-consumer recycled content.
Provide panels with 100 percent post-consumer recycled content.
Provide panels with 100 percent pre-consumer recycled content.

- B. Zinc Aluminum Magnesium and Copper Alloy (Zamac): ASTM B 86.
- C. Stainless Steel Sheet: ASTM A 240 or A 666, 300 series.
- D. Stainless Steel Castings: ASTM A 743/A 743M.

E. Aluminum: ASTM B 221.

2.3 PLASTIC TOILET COMPARTMENTS

A. Toilet Compartment Type:

Floor and ceiling anchored.

a. Basis of Design Product: **Bradley, Mills Partitions, Floor to Ceiling, Series 700.**

B. Sight Screen Type:

Floor anchored.

a. Basis of Design Product: **Bradley, Mills Partitions, Floor Braced, Series 500.**

Floor and ceiling anchored.

C. Urinal Screen Style:

Wall hung with brackets:

a. Basis of Design Product: **Bradley, Mills Partitions, Model No. 4.**

D. Door, Panel, and Pilaster Construction, General: HDPE, with a 3/16" (4.8mm) radiused edge.

Provide exposed surfaces free of pitting, visible seams and fabrication marks, stains, or other imperfections.

Provide aluminum heat sink at bottom edge of panels and doors.

E. Door Construction: 1 inch (25 mm) thick.

F. Panel Construction: 1 inch (25 mm) thick.

G. Pilaster Construction: 1 inch (25 mm) thick.

H. Headrail: Extruded anodized aluminum headrail with anti-grip profile. Clamps around pilaster and is secured to the wall with stainless steel brackets.

I. Shoes: 4 inches (76 mm) high minimum, 300 series stainless steel with No. 4 satin brushed finish.

J. Urinal-Screen Construction: Matching toilet compartment panel construction

K. Urinal-Screen Post: Manufacturer's standard post design of 1-3/4-inch- (44-mm-) square, aluminum tube with satin finish; with shoe and sleeve (cap) matching that on the pilaster.

L. Brackets (Fittings):

Stirrup Type: Ear or U-brackets; stainless steel.

Full-Height (Continuous) Type: Manufacturer's standard design; stainless steel.

M. Plastic Panel Finish: Manufacturer's standard impregnated finish, with one color in each room.

Color: As selected by Architect from manufacturer's full range.

2.4 HARDWARE

- A. Hardware, Standard Duty: Manufacturer's standard 6463-T-5 aluminum, including stainless steel tamper-resistant fasteners:

Hinges: Self-closing continuous spring-loaded type adjustable to hold doors open at any angle up to 90 degrees, with emergency access by lifting door.

Latch and Keeper: Surface-mounted slide latch with flat rubber-faced combination door strike and keeper, meeting requirements for accessibility at accessible compartments.

Coat Hook: Combination hook and rubber-tipped stop, sized to prevent door from hitting compartment-mounted accessories. Provide wall bumper where door abuts wall. Provide formed L-shaped hook without stop at outswing doors.

Door Pull: Standard unit on outside of inswing doors. Provide pulls on both sides of outswing doors.

2.5 FABRICATION

- A. Floor-and-Ceiling-Anchored Units: Provide manufacturer's standard corrosion-resistant anchoring assemblies with leveling adjustment at tops and bottoms of pilasters. Provide shoes and sleeves (caps) at pilasters to conceal anchorage.
- B. Door Size and Swings: Unless otherwise indicated, provide 24-inch- (610-mm-) wide, inswinging doors for standard toilet compartments and 36-inch- (914-mm-) wide, out-swinging doors with a minimum 32-inch- (813-mm-) wide clear opening for compartments designated as accessible.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine work area to verify that measurements, substrates, supports, and environmental conditions are in accordance with manufacturer's requirements to allow installation.

Proceed with installation once conditions meet manufacturer's requirements.

3.2 INSTALLATION

- A. General: Comply with manufacturer's written installation instructions. Install units rigid, straight, level, and plumb. Secure units in position with manufacturer's recommended anchoring devices.
- B. Install toilet partitions and screens in spaces with operating, temperature controlled HVAC systems. Shield partitions and screens from direct sunlight.
- C. Clearances: Install with clearances indicated on Drawings. Where clearances are not indicated, allow maximum 1/2 inch (13 mm) between pilasters and panels, and 1 inch (25 mm) between panels and walls.

- D. Stirrup Brackets: Secure panels to walls and to pilasters with no fewer than three brackets attached at midpoint and near top and bottom of panel. Locate wall brackets so holes for wall anchors occur in masonry or tile joints. Align brackets at pilasters with brackets at walls.

3.3 ADJUSTING

- A. Hardware Adjustment: Adjust and lubricate hardware according to hardware manufacturer's written instructions for proper operation. Set hinges on in-swinging doors to hold doors open approximately 15 degrees from closed position when unlatched. Set hinges on out-swinging doors [and doors in privacy screens] to return doors to fully closed position.

3.4 FINAL CLEANING

- A. Remove packaging and construction debris and legally dispose of off-site.
- B. Clean partition and screen surfaces with materials and cleansers in accordance with manufacturer's recommendations.

END OF SECTION 102133.19