



August 24, 2023

**Maine Bureau of General Services
Office of Chief Medical Examiner
Augusta, ME**

**e4h Project No. 2020090
Addendum No. 4**

This Addendum forms a part of the construction documents and modifies the original Issued for Bid dated July 14, 2023. The enclosed additions, deletions, corrections, and changes will be as binding as if incorporated in the original documents.

Questions:

1. Dashed items on A1.10A and A1.10 B are owner provided?
 - a. **Dashed items on A1 series indicate equipment / furniture. See EQ1 series equipment schedule for furnisher**
2. There seems to be a discrepancy regarding the foundation insulation. Please confirm thickness of the Sallyport 40psi underslab insulation and confirm 2" under building slab is only 2' around perimeter and not under the entire slab
 - a. **The under slab insulation is 2" thick and will extend 2'-0" from the inside face of foundation wall towards the interior of the building around the perimeter of all slab on grade concrete.**
3. There is a spec section 088700 Glazing Surface Films but none indicated on the drawings as to where it goes.
 - a. **Delete Spec Section 088700**
4. Drawing E8.11 shows that lightning protection is Add Alt. #14 but, I don't see it listed in the schedule of alternates in the Specs. Please advise.
 - a. **Lightning Protection shall be included as base bid**
5. Building Controls – are they stand alone or campus wide? What companies are accepted.
 - a. **Building Controls are campus wide and will tie into an existing campus loop as described on C4.01. Honeywell building controls are proprietary to this campus.**
6. I can't find any indication of location for the Furnishings & Upholstery specified in section 126200, not is a material specified. Please clarify.
 - a. **Delete Spec Section 126200**
7. The wall sections at the high foundation walls calls for 2" rigid & composite drainage board over the waterproofing. Are both required?
 - a. **Yes, Either fluid applied or Self adhered Sheet waterproofing is acceptable. Both composite drainage board and 2" rigid insulation is required.**
8. Vital Telecommunication Power breaker labeling only applies to dedicated equipment circuits, not convenience (wall) receptacles: E5.01
 - a. **E5.01 duplex and double-duplex receptacles in rooms 110, 221 and 221A should be inverted (only the rack/equipment receptacles are expected to be "doubles", not regular wall receptacles). Also noted on the drawing, it is not clear (no 'D') indication that the equipment circuits are dedicated.**

9. The Wage Determination does not have classifications for paving or striping. How shall we handle this in our proposal?
 - a. **The job classifications in the included 00 73 46 Wage Determination are the only classifications for prevailing wage requirements that apply to this project.**
10. Is the intent to heat trace the entire HW and HWR piping system or just the NPHW (BSL-3) system?
 - a. **Heat trace (heat maintenance) is required for all NPHW(BSL3) and NPHW(E) as indicated on P1.03 and P1.01.**
11. Please clarify which ducts are lined on this project.
 - a. **The short section of supply and return ducts for RTU-3 and short section of supply duct from RTU-1&2 per specification 233113, 3.15, C, 1 & 2. Refer to attached M1.10 plan for lined ducts highlighted in yellow.
The transfer ducts for the BSL-3 areas should not be lined per the detail – L on drawing M5.04 because it would be problematic with standard operating procedures for decontamination.**
12. The reflected ceiling plan at Main Autopsy room 126 references finish as FRP. There is no FRP under Ceiling Finishes on ID1.01 Interior Finish Legend. The room finish schedule on this page list it as ACT-3.
 - a. **Please Provide Ceilings as indicated on the Room Finish Schedule**
13. Staging 132, Receiving 133 & Housekeeping 134 calls for WP on walls. Receiving Room 133 interior elevation shows it to a height of 4'. Is it full height on the other two rooms?
 - a. **See ID2.10 for WP location and types**
14. There is a spec section 098453 Sound Barrier Mullion Trim Cap. Where is this being used?
 - a. **Entry Vestibule 200 – See Drawing A1.20A for callout detail 12/A5.30**
15. Ther Signage should be carried as an allowance. There is no signage schedule. The specs refer to room to have room names to be determined later. Please provide direction on this.
 - a. **Carry Signage Allowance as indicated in specifications – details will be determined after contract is awarded**
16. There is a spec section 102600 Wall & Door Protection which lists corner guards. There are none indicated on drawing and the finish schedule says corner guards are N/A. Should this spec section be deleted?
 - a. **Delete Spec Section 102600 - *Note – inside/outside corner trim to be used with wall protection is carried under Spec Section 097223 – HYGENIC WALL COVERINGS**
17. Storefront opening type “B” @ Elevation 4/A4.01, (door 205B) – please provide clarification and details for notation: “OUTRIGGER AND OVERHANG BY STOREFRONT MANUFACTURER.” What is required here?
 - a. **Provide a single 30” Kawneer Versoleil Outrigger System with Planar blades directly above the egress door**
18. Wall Sections of brick veneer on A5.10 all show that Exterior Wall System 1 has a “7/8 inch airspace with masonry mat”. The enlarged section details on A5.30 show the 7/8” airspace, but do not show, or call out the masonry mat. Please clarify if a continuous masonry mat is required in the brick cavity.
 - a. **Masonry Mat is only required at the base of exterior wall cavity**
19. A-5.70L Depicts the interior Wall type reference tag. Throughout the drawings the insulation indicator is left blank. Are we to insulate to the wall UL values and leave all non-valued walls uninsulated?
 - a. **All interior partitions to receive acoustic insulation as specified in Section 098100**
20. Is there a Ceiling in the West Stair? RCP A3.1A does not show a ceiling type.
 - a. **Yes, Provide ACT-2 approximately 9'-0" above T.O.S elevation**
21. Will there be any on or in-wall Plywood blocking in the Electrical Rooms (Rm. 107, 106, 215) and Boiler Room (Rm.141)?
 - a. **Yes, provide in-wall blocking for all wall mounted equipment.**

22. Should the Ballistic panels @ Reception be carried to the deck or is 10' @ceiling elevation sufficient?
- a. **Ballistic Panels to terminate at the ceiling elevation.**
23. Section 092900-2.3 A-1 calls for stainless steel reveal at the Team Hub area as indicates. I don't see a "Team Hub Area" or this trim detail within the provided sheets. Please advise.
- a. **092900-2.3 A-1 to be removed from specifications.**
24. Section 092900-2.3 A-2 calls for edge trim @ICU doors as detailed on A-6.1. Sheet A-6.1 doesn't appear to be contained within the provided drawings. Which rooms would have ICU Doors?
- a. **092900-2.3 A-2 to be removed from specifications.**
25. Is any High Impact Board needed in the stairwells or corridors?
- a. **High Impact board is not required on the project**
26. Spec 11 53 00 – Specialty Equipment – Warranty. The standard manufacturers warranty is 1 year from installation. The specs are calling out a two year "correct defective work" warranty. Can you confirm that you will want us to add an additional year (extended warranty) to our bid price?
- a. **Please carry Standard manufacturer (1 year warranty)**
27. D10 Wastewater -Sanitary -Storm (cast iron) : Which apparatuses is this piping associated with?
- a. **D10 piping is associated with all above ground, sanitary (SAN), waste (W), vent (V), rainwater (RW), and clear water waste (CD/CV)**
28. D13 Waste water (cast iron epoxy coated) : Which apparatuses is this piping associated with? Is this piping considered as the clear water waste(CD) and the clear water vent (CV)?
- a. **D13 piping is associated with all waste and sanitary piping associated with rooms 121, 126, 128, and 129**
29. D20 Sanitary/Storm water (PVC): Which systems is this piping allowed on? All below slab Sanitary and Waste piping?
- a. **D20 piping is associated with all below slab sanitary, waste, vent, rainwater and clear water waste piping with the exception of the waste and sanitary piping associated with rooms 121, 126, 128, and 129**
30. CPT-1A and CPT-1C in the floor finish it just says CPT for carpet with no other designation. Please clarify.
- a. **See Drawing ID3.10 - FLOOR PATTERN PLAN- FIRST AND SECOND FLOOR for flooring designations.**
31. Tile spec for Wt-1A & TL-1A this lists "Sacara" style. There is no "Sacara" style. Please confirm this is supposed to say Sahara.
- a. **"Sacara" should be changed to "Sacra"**
32. Where tile is specified is there tile base to go along with it?
- a. **Where tile is scheduled to be full height, the tile base TB-1 to be 4" x 24" tile to match wall tile**
33. X-Ray Room - Lead-backed drywall or lead panels?
- a. **Refer to Specification Section 134900 – Radiation Protection**
34. Exterior Walls w/ no markings (e.g. electrical rooms) - any framing/drywall or just CMU?
- a. **See update drawing A1.10A & A1.10B for additional partition types along exterior wall**
35. Stairwells - Any framing and/or drywall in there
- a. **Yes, See A6.11 and A6.12 for wall types. East Stair, Second floor wall furring and gypsum should extend to stair exterior stringer below.**
36. 283133 Two Way Radio PES Communications System is this an alternate or should it be included in our base bid?
- a. **Two Way Radio shall be included as base bid**

37. What are the warranty terms for the roof? SECTION 075323 doesn't spell this out.
- a. **Warranties are typically submitted under the terms of the Submittals Article in Section 075323, 1.4.A.2:**
Manufacturer's specimen warranties: Provide sample copies of manufacturers' actual warranties for all materials to be furnished under this Section, clearly defining all terms, conditions, and time periods for the coverage thereof.
38. Can we get clarification on the metal roof edge trim in SECTION 076200?
- 2.2 SHEET MATERIALS
- Stainless Steel: ASTM A666, Type 304 alloy, soft temper, 28 gauge, 0.0156 inch (0.40 mm) thick; smooth No. 4 - Brushed finish
This is general used as drip edge for masonry.
- a. **Correct, the stainless steel flashing is for drip edge conditions. Please use the following for roof edging:**
 - A. **Metal Roof Edging and Fascia: Continuous metal edge member serving as termination of roof membrane and retainer for metal fascia; watertight with no exposed fasteners; mounted to roof edge nailer.**
 1. **Description: Two-piece; extruded aluminum T-shaped edge member securing top and bottom edges of flat-faced formed metal fascia; Firestone "AnchorGard".**
 2. **Wind Performance: Membrane Pull-Off Resistance: 100 lbs/ft (1460 N/m), minimum, when tested in accordance with ANSI/SPRI ES-1 Test Method RE-1, current edition.**
 3. **Membrane Pull-Off Resistance: 100 lbs/ft (1460 N/m), minimum, when tested in accordance with ANSI/SPRI ES-1 Test Method RE-1, current edition.**
 4. **Fascia Pull-Off Resistance: At least the minimum required when tested in accordance with ANSI/SPRI ES-1 Test Method RE-2, current edition.**
 5. **Provide product listed in current Factory Mutual Research Corporation Approval Guide with at least FM 1-270 rating.**
39. SECTION 075323, 2.3 B, 8. States; Flashing material: Manufacturer's standard system white on black, compatible with flexible sheet membrane. Is this correct?
- a. **Vertical membrane and flashing material shall match material & color of roofing membrane**
40. SECTION 075323, 2.4 B and C both call out different types of insulation. Are we using Polyisocyanurate or Extruded polystyrene?
- a. **Use polyisocyanurate foam insulation per 075323, 2.4. B.**

Changes to Drawings:

1. Drawing A4.02
 - a. **Change "CURTIANWALL FRAME TYPE – C" to read "STOREFRONT FRAME TYPE C"**

Changes to Specifications:

1. NA

Attachments:

1. Approved Substitution Request Form for “Scranton Lockers”
2. Drawing A1.10A - FLOOR PLAN – FIRST FLOOR – AREA A (Updated Partition Tags)
3. Drawing A1.10B - FLOOR PLAN – FIRST FLOOR – AREA B (Updated Partition Tags)
4. Drawing “M1.10 – MECHANICAL - FIRST & SECOND FLOOR DUCTWORK” (Highlighted with duct lining)
5. Drawing M6.03 – MECHANICAL SCHEDULES (Updated Expansion Tank Volumes and Model #)

End of Addendum No. 4

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: <u>New Chief Medical Examiner Facility (20-657970)</u>	Substitution Request Number: <u>SubReq-28535</u>
<u>AUGUSTA, ME</u>	From: <u>Courtney Smith, Scranton Products</u>
To: <u>Brian Laderbush, e4h Environments for Health</u>	Date: <u>08/23/2023</u>
<u>bladerbush@e4harchitecture.com, 207-773-8841</u>	A/E Project Number: _____
Re: <u>Plastic Laminate Faced Lockers</u>	Contract For: <u>State of ME General Services Property Mgmt</u>

Specification Title: <u>Plastic Laminate Faced Lockers</u>	Description: <u>Manufacturer</u>
Section: <u>105126</u> Page: <u>1</u>	Article/Paragraph: <u>2.1</u>

Proposed Substitution: <u>Tufftec Lockers</u>			
Manufacturer: <u>Scranton Products</u>	Address: <u>scrantonproducts.com</u>	Phone: <u>570-348-0997</u>	
Trade Name: <u>Scranton Tufftec Lockers</u>		Model No.: <u>N/A</u>	

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.

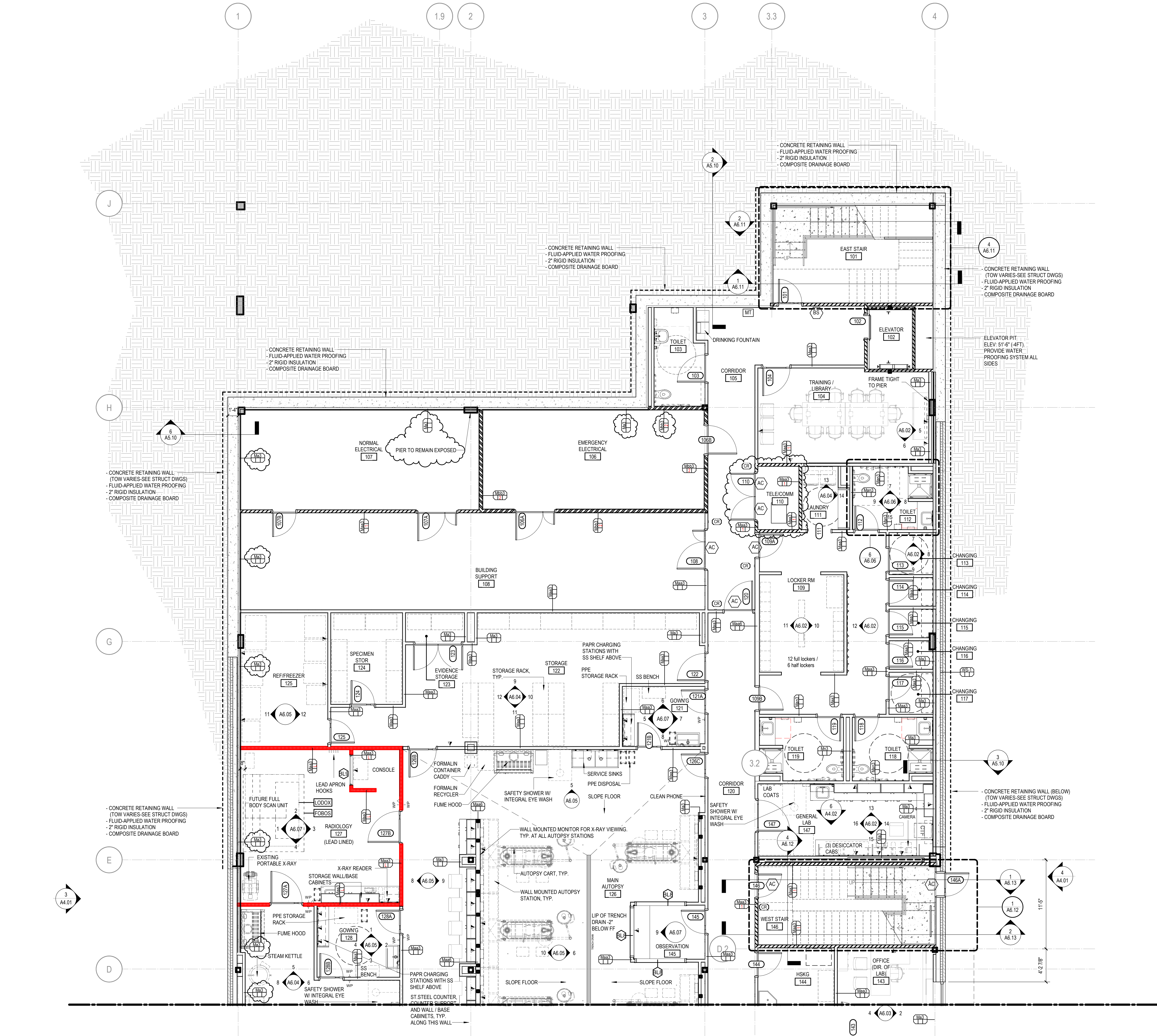
Submitted by: <u>Courtney Smith</u>
Signed by: <u>Courtney Smith</u>
Firm: <u>Scranton Products</u>
Address: <u>801 E. Corey Street</u>
<u>Scranton, Pennsylvania 18504</u>
Telephone: <u>(570) 348-0997 ext. 8032, courtney.smith@azekco.com</u>

A/E' s REVIEW AND ACTION

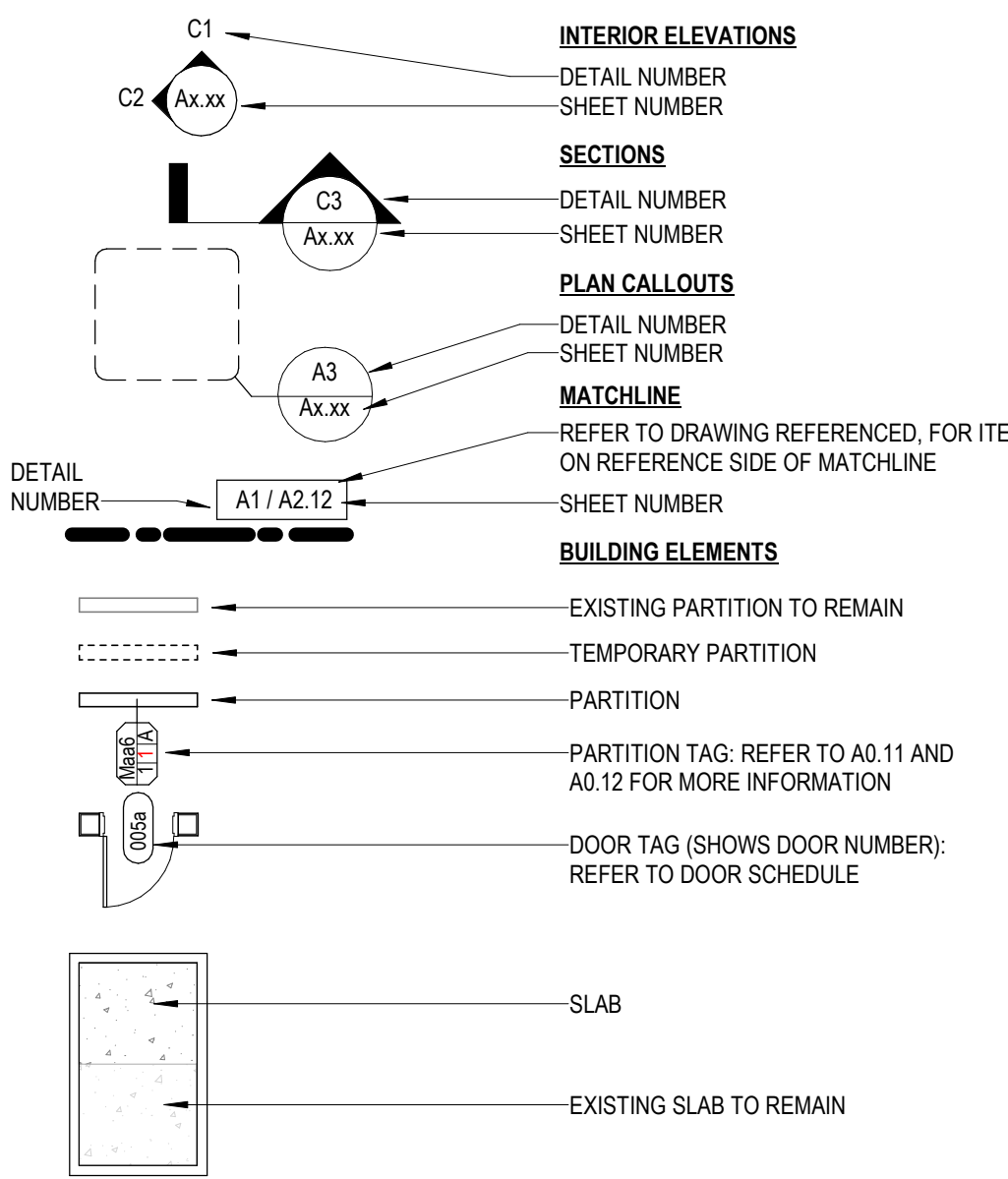
- ☒ Substitution approved - Make submittals in accordance with Specification Substitution Procedures.
- ☐ Substitution approved as noted - Make submittals in accordance with Specification Substitution Procedures.
- ☐ Substitution rejected - Use specified materials.
- ☐ Substitution Request received too late - Use specified materials.

Signed by: _____	Date: _____
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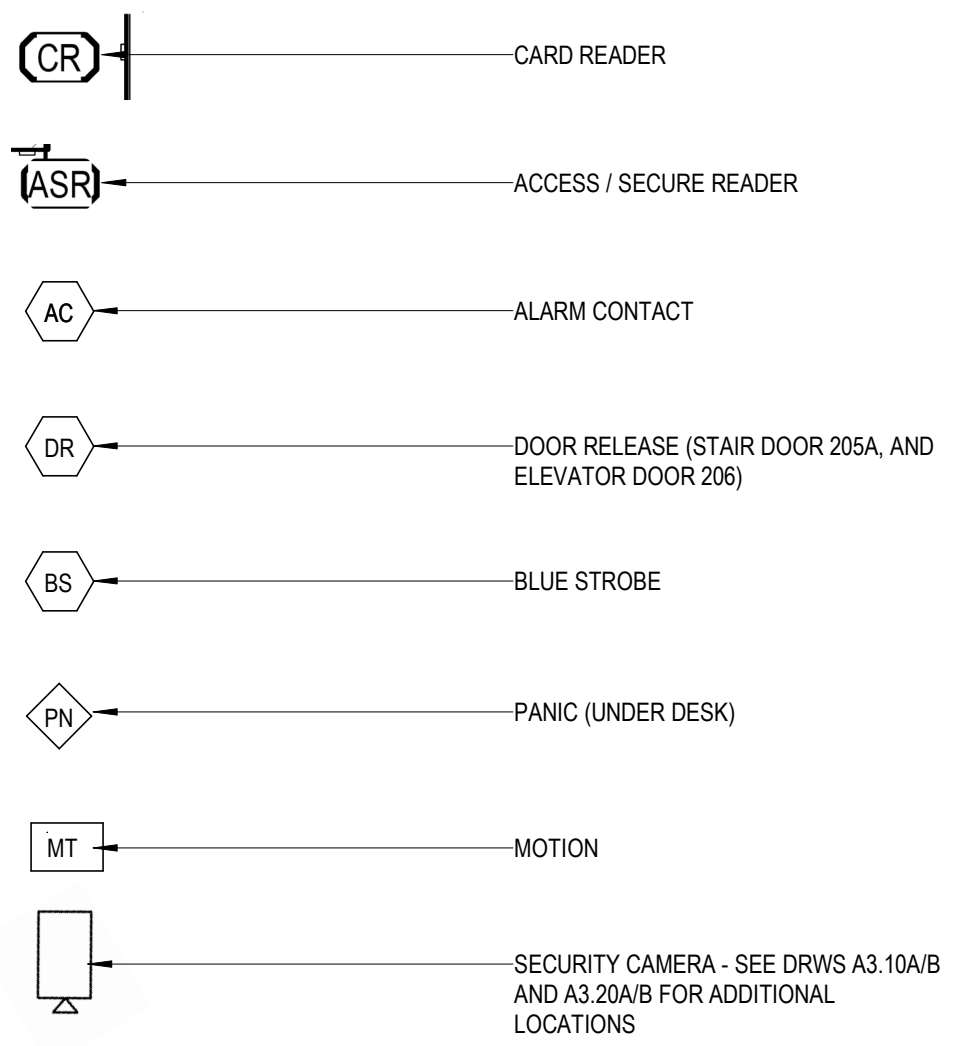
Supporting Data Attached:	<input type="checkbox"/> Drawings	<input type="checkbox"/> Product Data	<input type="checkbox"/> Samples	<input type="checkbox"/> Tests	<input type="checkbox"/> Reports	<input type="checkbox"/> _____
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LEGEND- PARTIAL FLOOR PLANS



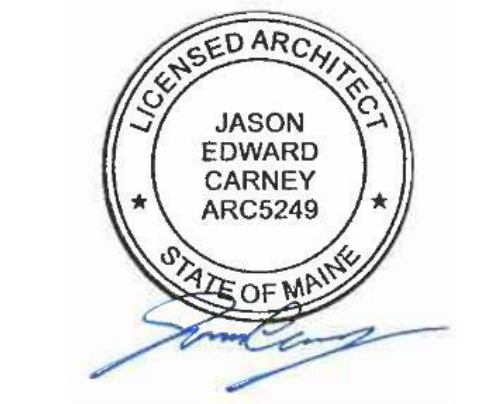
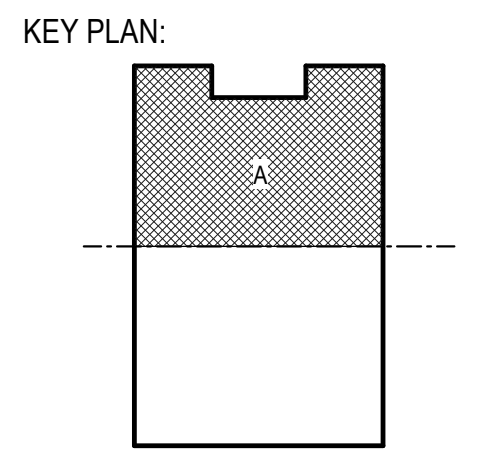
LEGEND - SECURITY DEVICES



GENERAL NOTES- FLOOR PLANS

- DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATIONS FROM THE ARCHITECT.
- DIMENSIONS SHOWN ON THE FLOOR PLANS ARE FROM CENTERLINE OF COLUMNS TO FACE OF FINISH INTERIOR WALLS AND TO OUTSIDE FACE OF EXTERIOR WALLS UNLESS OTHERWISE INDICATED OR DETAILED.
- DIMENSIONS AT DOOR AND WINDOW OPENINGS ARE TO ROUGH OPENING UNLESS OTHERWISE NOTED. MASONRY PLAN DIMENSIONS ARE NOMINAL.
- PIPING LOCATED ABOVE GRADE AND INSIDE THE BUILDING SHALL BE CONCEALED IN FURRED SPACES WITH THE EXCEPTION OF PIPING IN STAIRWAYS, EQUIPMENT ROOMS, SHELL SPACES, AND MEP SUPPORT SPACES. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO PROVIDE FURRING FOR PIPING INSTALLED IN FINISHED AREAS.
- REFER TO LIFE SAFETY PLANS FOR RATING REQUIREMENTS OF PARTITIONS AND DOORS.
- CAULK AT JUNCTURE OF INTERIOR FACES OF DOOR FRAMES, VIEW WINDOW FRAMES, EXT. WINDOW FRAMES, CABINET WORK AND CASEWORK WITH ADJACENT MATERIALS EVEN THOUGH JOINT MAY NOT BE VISIBLE.
- PROVIDE BLOCKING FOR ALL WALL-MOUNTED ACCESSORIES, EQUIPMENT AND CABINETRY.

DATE	DESCRIPTION
07-14-2022	ISSUED FOR BID
07-26-2023	ADDENDUM#1
08-24-2023	ADDENDUM#2



JASON CARNEY ARCS249

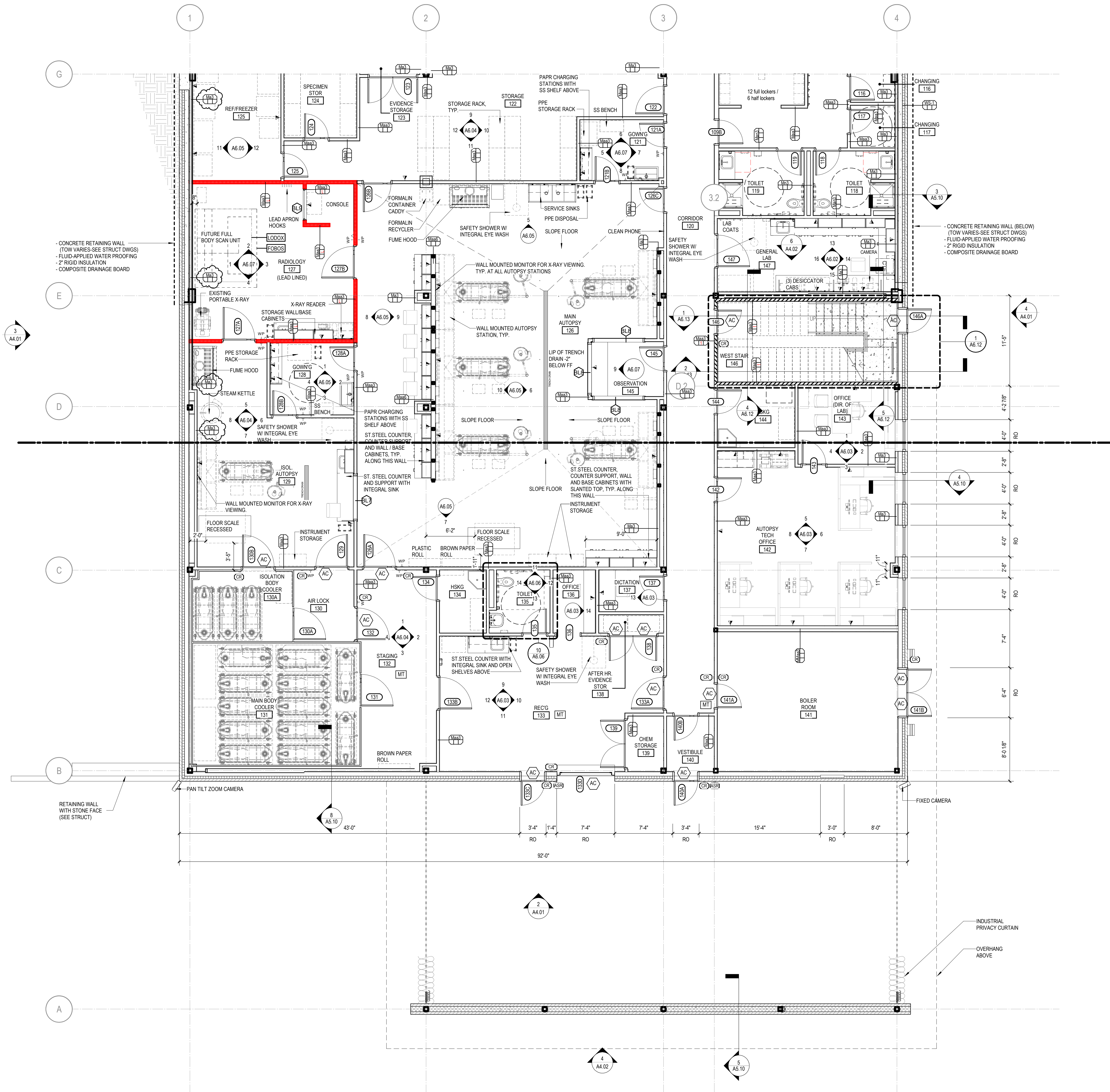
ORIG SUBMISSION: 07-14-2023

CURRENT: 08-24-2023

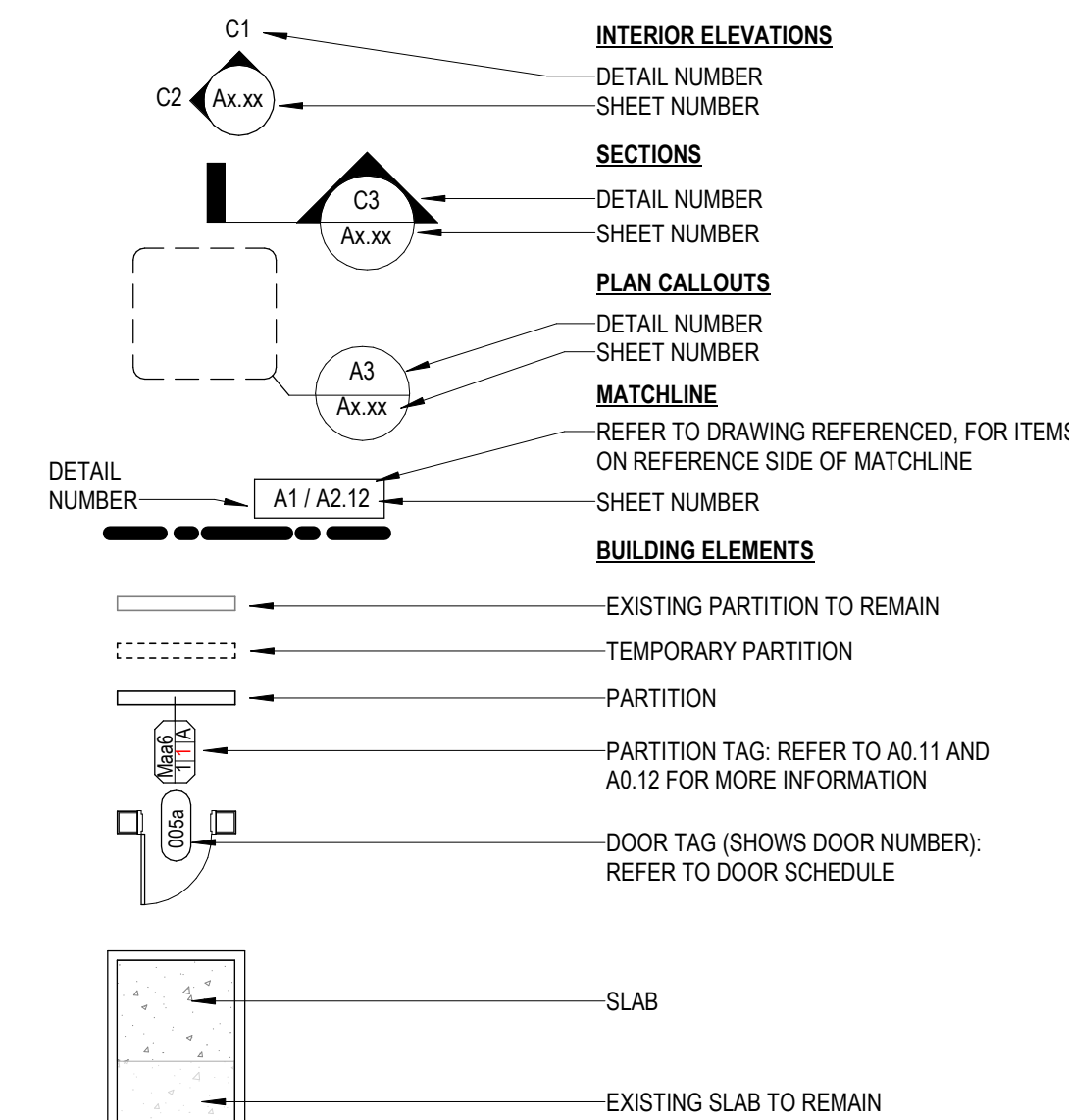
ADDENDUM#4

SHEET TITLE AND NUMBER:

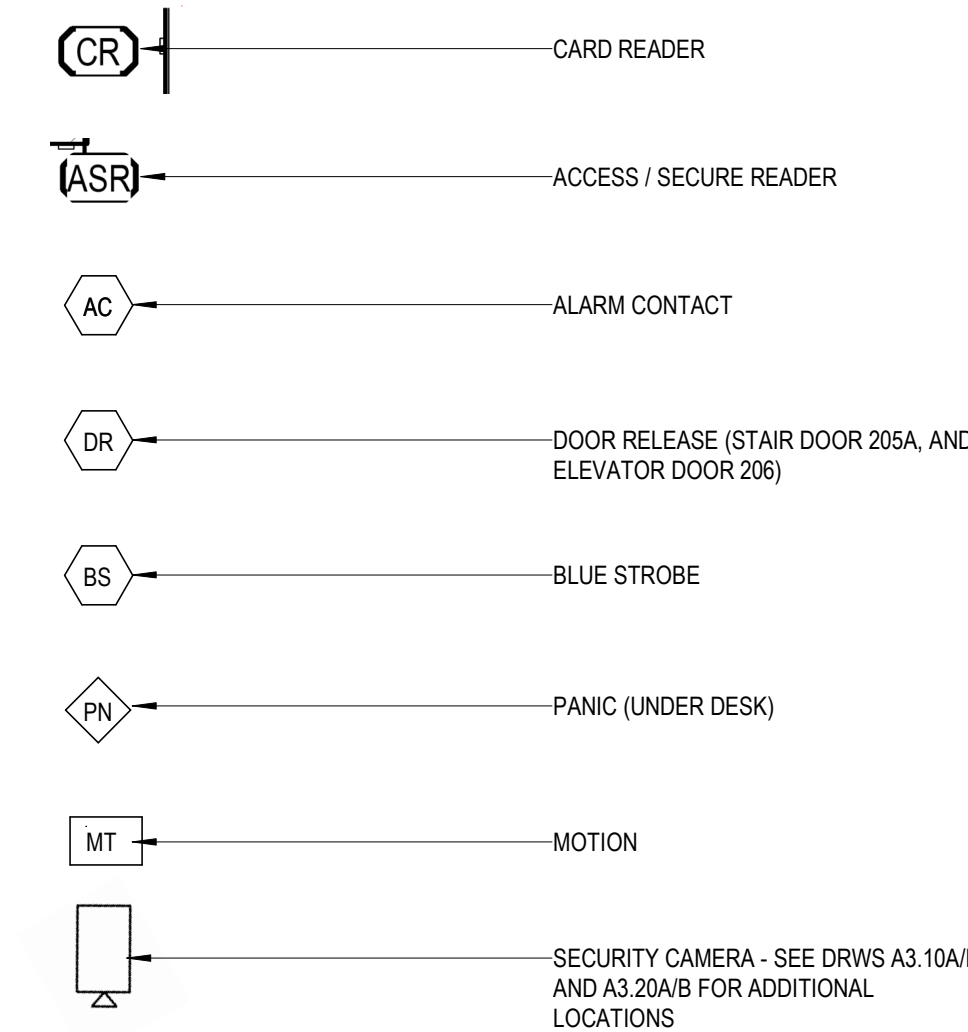
THE LINE SHOWN ABOVE IS EXACTLY
ONE FOOT AND SIX INCHES
LONG AND NOT TO SCALE



LEGEND- PARTIAL FLOOR PLANS



LEGEND - SECURITY DEVICES



GENERAL NOTES- FLOOR PLANS

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EVEN THOUGH JOINT MAY NOT BE VISIBLE.
- PROVIDE BLOCKING FOR ALL WALL-MOUNTED ACCESSORIES, EQUIPMENT AND
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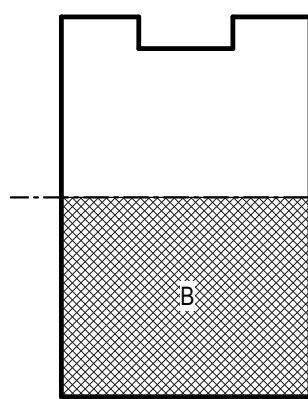


STATE OF MAINE BGS
OFFICE OF CHIEF MEDICAL EXAMINER
40 HOSPITAL STREET
AUGUSTA, MAINE 04330

PROJECT: 2020090.BGS

DATE	DESCRIPTION
07-14-2022	ISSUED FOR BID
08-24-2023	ADDENDUM#4

KEY PLAN:



JASON CARNEY ARCS249

ORIG SUBMISSION: 07-14-2023

CURRENT: 08-24-2023

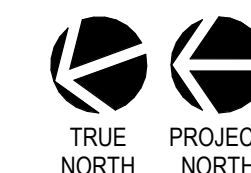
ADDENDUM#4

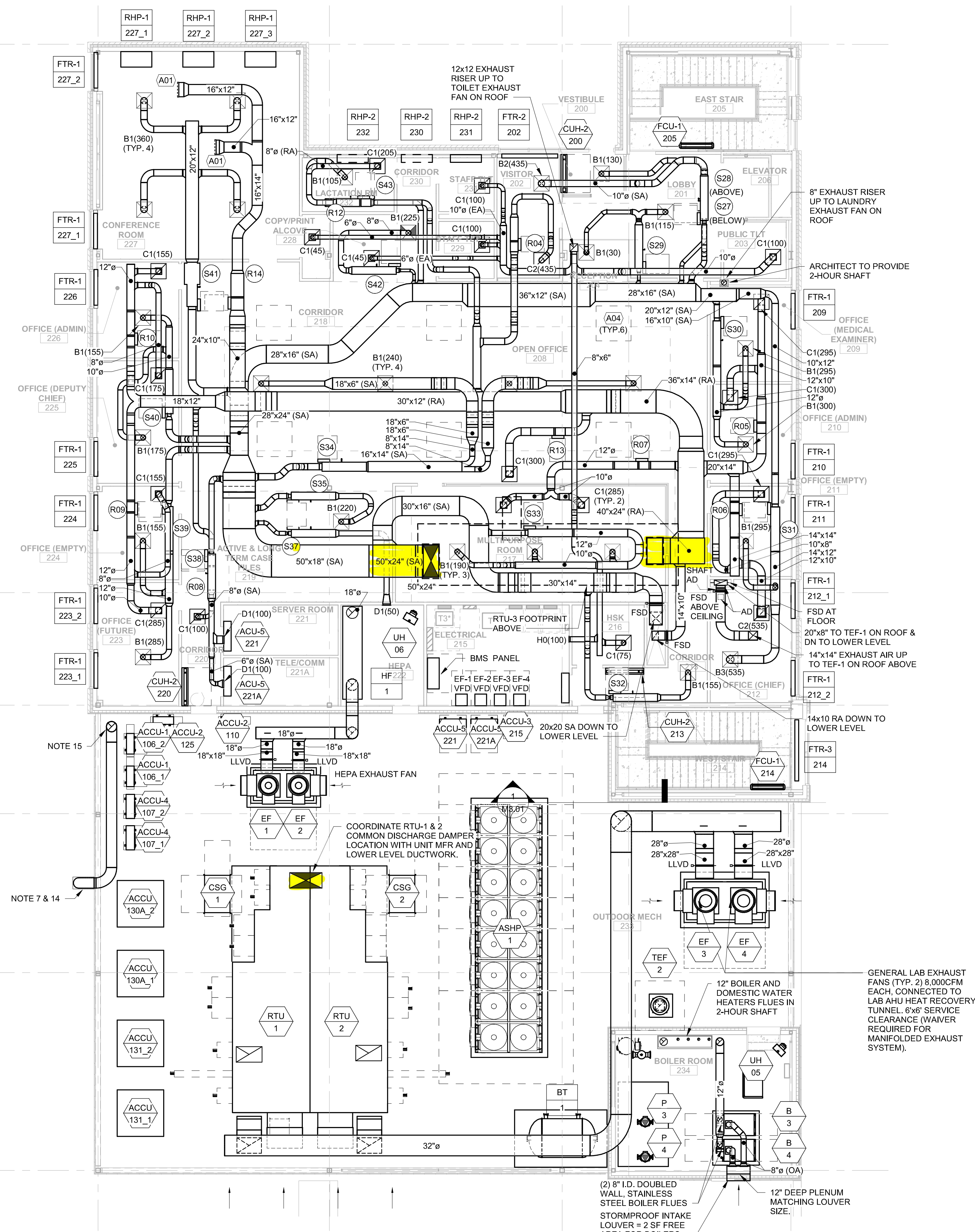
SHEET TITLE AND NUMBER:

A1.10B

FLOOR PLAN- FIRST FLOOR - AREA
B

01 FLOOR PLAN-PARTIAL- FIRST FLOOR- AREA B
A1.10B 3/16" = 1'-0"





BAG-IN / BAG-OUT FILTER MODULE SCHEDULE																								
EQUIPMENT IDENTIFICATION	EQUIPMENT LOCATION	AREA/EQUIPMENT SERVED	MAXIMUM AIR FLOW RATE (CFM)	FILTER MAXIMUM FACE VELOCITY (FPM)	INLET DAMPER PROVIDED BUBBLE TIGHT DAMPER (YES/NO)	CUSTOM TRANSITION (INLET) MANUFACTURER PROVIDED	INLET SIZE (DIA. -IN.)	PRE-FILTER DATA				HEPA FILTER DATA				CUSTOM TRANSITION (OUTLET)		OUTLET DAMPER PROVIDED BUBBLE TIGHT DAMPER (YES/NO)	OVERALL DEVICE PRESSURE DROP		OPERATING WEIGHT (POUNDS)	MANUFACTURER MODEL NUMBER (BASIS OF DESIGN)	REMARKS	
								M.E.R.V. RATING	PRESSURE DROP		FILTER SIZE & QUANTITY (L"xW"xTh")#	M.E.R.V. RATING	PRESSURE DROP		MANUFACTURER PROVIDED	OUTLET SIZE (DIA. -IN.)			INITIAL (IN W.C.)	FINAL (IN W.C.)				
									INITIAL	FINAL			INITIAL	FINAL		INITIAL	FINAL							
HF-1	MECH ROOM	BSL-3 LAB	2600	305	YES	BELLMOUTH	18"	12x12x4 (1) 24x24x4 (2)	8	0.3	0.6	12x12x12 (1) 24x24x12 (2)	20	0.25	2.0	BELLMOUTH	18"	YES	-	-	---	AAF-BF SERIES MODULE	①②③④	
GENERAL NOTES: ① REFER TO DETAIL SHEET FOR MODULE CONFIGURATION, APPROX DIMENSIONS 30"Dx12Lx8"H ② THE "MAXIMUM AIR FLOW RATE" COLUMN REPRESENTS THE TOTAL AIR FLOW THROUGH THE ENTIRE ASSEMBLY REFER TO BAG-IN/BAG-OUT SPECIFIC DETAIL(S) FOR FURTHER INFORMATION. ③ AAF FILTER MODELS: PREFILTER PREPLEAT LPD HC, HEPA MEGACEL - E1fm ④ HEPA MODULE SECTION PROVIDED WITH REMOVABLE FILTER SUPPORT BRACKETS OR RODS																								

AIR CURTAIN SCHEDULE																											
UNIT TAG	SERVICE	LOCATION	MAX VELOCITY AT NOZZLE (FPM)	AIRFLOW AT NOZZLE (CFM)	HEATING COIL DATA							PIPE CONNECTION SIZE (IN.)	MAX NC	MOTOR DATA			ELECTRICAL DATA						DIMENSIONS (LxWxH) (IN.)	WEIGHT (LBS.)	(AS STANDARD)		
					CAPACITY (MBH)	AIR DATA			WATER DATA					QTY	HP	RPM	V	Φ	H	FLA	MCA	MOCp			MANUFACTURER	MODEL	
						EAT (°F)	LAT (DEG F)	EWI (DEG F)	LWT (DEG F)	FLOW (GPM)	WPD (FT.)																
AC-1	141	ROOM-141	1,800	1,800	18.8	70	80.0	120	115	8.0	2.45	2	53	1	1/6	3450	208	3	60	1.4	1.75	-	75x12x8	75	MARS	LPV272-1V-OB	
AC-2	133	ROOM-133	1,800	2,100	23.4	70	82.0	120	116	12.0	3.50	2	53	2	1/6	3450	208	3	60	2.4	4.2	-	92x12x8	90	MARS	LPV284-2V-OB	
NOTES:																											
① PROVIDE UNIT MOUNTED DISCONNECT.																											
② ARCHITECT TO DETERMINE FINISH COLOR PRIOR TO PROCUREMENT.																											
③ PROVIDE ALL ACCESSORIES OR HARDWARE NECESSARY TO COMMUNICATE WITH THE BAS																											

PUMP SCHEDULE																							
UNIT NO.	SERVICE	LOCATION	TYPE	GPM	HEAD (FT.)	MINIMUM EFF. (%)	NPSH REQUIRED (FT.)	SHUT-OFF HEAD	CUT IMPELLER DIAMETER (IN.)	MAX IMPELLER DIAMETER (IN.)	WORKING PRESS. (PSIG)	SIZE		MOTOR DATA				APPROX. INSTALLED UNIT WEIGHT (LBS)	MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS			
												DISCHARGE (IN.)	SUCTION (IN.)	BHP	HP	RPM	V/PH/Hz						
P-1,2	HWS/R		VERTICAL INLINE	150	50	67	6	65	7.75	9.5	125	2	2	3.3	5.0	1760	460/3/60	310	TACO KS2009D	①②③④			
P-3,4	GWS/R		VERTICAL INLINE	340	85	70	16	120	10.6	11.0	125	3	3	12.7	15.0	1760	460/3/60	630	TACO KS3011D	①②③④⑤			
P-3,4	GWS/R		VERTICAL INLINE	15-170															TACO -	①②③④⑤			
NOTES:																							
①	PROVIDE VFD FOR EACH PUMP					④	PROVIDE SUPPORTS FOR PUMP PER DETAILS																
②	REDUNDANT PUMP, N+1					⑤	40% PROPYLENE GLYCOL																
③	PROVIDE TACO SUCTION DIFFUSER FOR EACH PUMP																						

BUFFER TANK SCHEDULE								
UNIT NO.	SERVICE	LOCATION	SYSTEM TEMP (°F)		TANK PRESSURE RATING(PSI)	TANK VOLUME (GAL)	MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
			MIN	MAX				
BT-1	GLYCOL WATER SYSTEM	ROOF	0	140	125	1,250	TACO BHS	

HOT WATER HEATING CONDENSING BOILER SCHEDULE																				
UNIT NO.	LOCATION	INPUT CAPACITY (NET IBR) (MBH)	OUTPUT CAPACITY (NET IBR) (MBH)	FUEL INLET GAS PRESSURE		MAX OPER. PRESS (PSIG)	MIN INPUT (BTU/HR)	THERMAL EFFICIENCY (%)	WATER				V	PH	HZ	FLA	MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS		
				MAX (IN W.C.)	MIN (IN W.C.)				WPD (FT)	ENT(°F)	LVG(°F)	GPM								
B-1	BOILER ROOM 141	1,500	1,403	28	4	160	133,000	93.5	1.84	100	120	140	120	1	60	20	FULTON EDR-1500	2		
B-2	BOILER ROOM 141	1,500	1,403	28	4	160	133,000	93.5	1.84	100	120	140	120	1	60	20	FULTON EDR-1500	2		
B-3	BOILER ROOM 234	1,500	1,403	28	4	160	133,000	93.5	1.84	80	100	170	120	1	60	20	FULTON EDR-1500	1 2		
B-4	BOILER ROOM 234	1,500	1,403	28	4	160	133,000	93.5	1.84	80	100	170	120	1	60	20	FULTON EDR-1500	1 2		
NOTES:																				
1	40% ETHYLENE GLYCOL																			
1	QTY-1 ACTIVE, QTY-1 STAND-BY																			

AIR SEPARATOR								
UNIT NO.	SERVICE	LOCATION	WEIGHT (LBS.)	FLOW (GPM)	WPD (FT. HEAD)	PIPE CONNECTION SIZE (IN.)	(AS STANDARD)	
							MANUFACTURER	MODEL
AS-1	HWS/R	REFER TO PLANS	107	140	1.0	4"	SPIROTHERM	VSR400
AS-2	GWS/R	REFER TO PLANS	200	340	1.0	6"	SPIROTHERM	VSR600

BLADDER EXPANSION TANK SCHEDULE														
UNIT NO.	SERVICE	LOCATION	APPROX. INSTALLED UNIT WEIGHT (LBS)	SYSTEM TEMP (°F)		SYSTEM PRESSURE(PSIG) AT TANK LOCATION		TANK PRESSURE RATING (PSI)	TANK ACCEPTANCE VOLUME (GAL)	ESTIMATED SYSTEM VOLUME VALUES	TANK AIR CHARGE (PSIG)	MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS	
				MIN	MAX	MIN	MAX							
ET-1	HOT WATER SYSTEM	LOWER LEVEL BOILER ROOM	-	40	140	20	75	125	14.2	567	20	TACO - 90-125	1	
ET-2	GLYCOL WATER SYSTEM	UPPER LEVEL BOILER ROOM	-	0	140	20	50	125	168.5	2458	20	TACO - 220-125	1 2	
NOTES:														
1	ASME EXPANSION TANK WITH REPLACEABLE FULL ACCEPTANCE BLADDER													
2	40% ETHYLENE GLYCOL													

FAN COIL UNIT SCHEDULE																																		
UNIT NO.	FAN			FAN MOTOR		COOLING COIL										HEATING COIL								SOUND POWER (dB) BY OCTAVE BAND (HZ)								DIMENSIONS (LxWxH)	MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
	CFM	DESIGN SPEED RATING	E.S.P. (IN.WG)	POWER (W)	CONTROL	ELECT. DATA V/PH/Hz	TOTAL MBH	SENSIBLE MBH	GPM	EWI (°F)	LWT (°F)	P.D. (FT.)	EAT DB(°F)	LAT DB(°F)	PIPE RUNOUT SIZE (IN)	MBH	GPM	EWI (°F)	LWT (°F)	P.D. (FT.)	EAT DB(°F)	LAT DB(°F)	REFERENCE	TOTAL dB (A)	125	250	500	1K	2K	4K	8K			
FCU-1	435	100%	0	70	3-SPEED	208/1/60	14.0	10.0	2.5	40	53	11.70	80	58	3/4	6.2	3.5	100	96	2.4	70	83	TOTAL	-	-	-	-	-	-	-	53.3"x11.3"x28.3"	MULTIAQUA - CFFWA4P	①	②
① PROVIDE WALL MOUNTED THERMOSTAT BY UNIT MANUFACTURER (HARD WIRED)																																		
② PERFORMANCE BASED ON 40% PROPYLENE GLYCOL																																		



STATE OF MAINE
OFFICE OF CHIEF MEDICAL EXAMINER
40 HOSPITAL STREET
AUGUSTA, MAINE 04330

DATE	DESCRIPTION
07-14-2023	ISSUED FOR BID



ORIG SUBMISSION: 07-14-2023
CURRENT:

SHEET TITLE AND NUMBER:

M6.03
MECHANICAL SCHEDULES