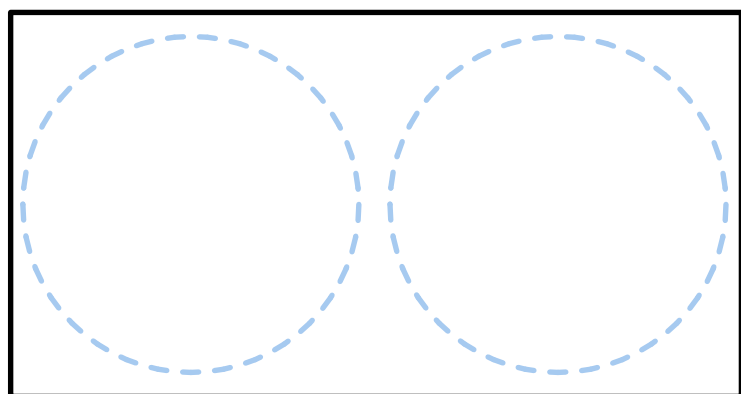


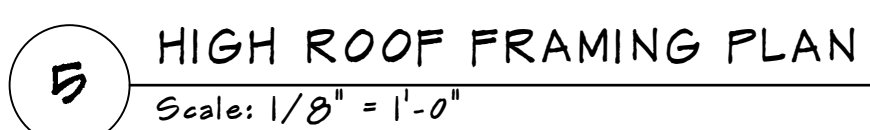
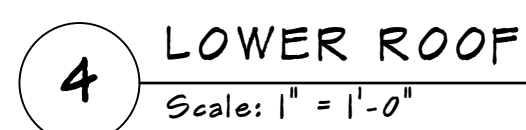
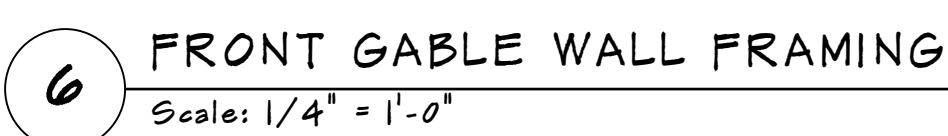
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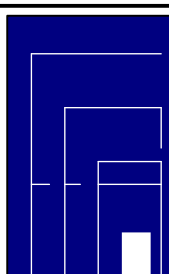
RENOVATIONS & ADDITION
AT
WASHINGTON ACADEMY COMMUNITY COLLEGE
66 CUTLER RD.
EAST MACHIAS, ME 04630

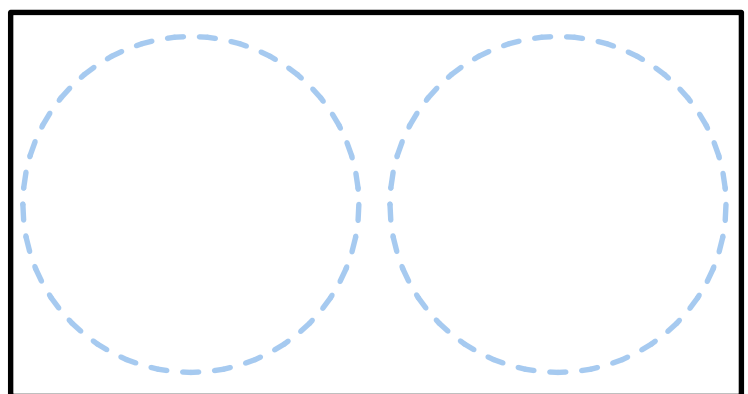


Sheet Title	COVER
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Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale AS SHOWN
Reviewed By GSF	Sheet No. A0 _____ of _____ 36
Date 6/24/2026	
CAD File Name	

[illegible]

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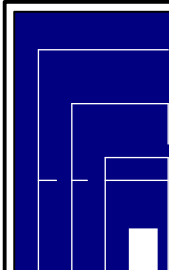
Project Title	
WASHINGTON ACADEMY COMMUNITY COLLEGE NEW CAFETERIA 66 Cutler Rd. East Machias, ME 04630	
Sheet Title	FRAMING PLAN

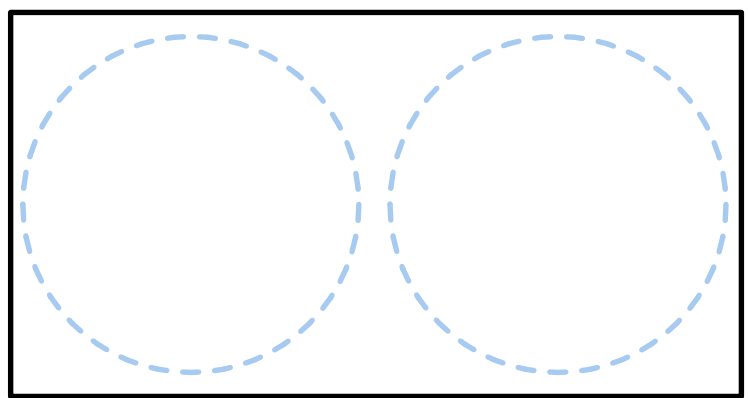
Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale AS SHOWN
Reviewed By GSF	Sheet No. S100 _____ of _____ 36
Date 6/24/2026	
CAD File Name	

FOR PERMIT - 06/24/2026

DEMOLITION PLAN
PLACEHOLDER

[illegible]

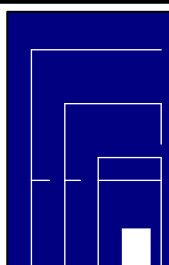
	<u>Fraser Associates Architects</u> 11 Everard Court • Bar Harbor, Maine 207.801.4000
Consultant	

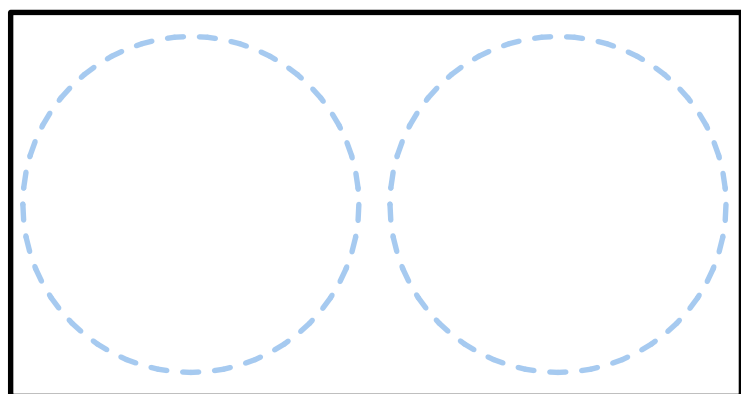


Project Title
WASHINGTON ACADEMY COMMUNITY COLLEGE NEW CAFETERIA 66 Cutler Rd. East Machias, ME 04630
Sheet Title
DEMOLITION PLAN

Project Manager G.S. Fraser	Project ID FAA 02502026
Drawn By GSF, GJ.LL	Scale AS SHOWN
Reviewed By GSF	Sheet No. AD100 _____ of _____ 36
Date 6/24/2026	
CAD File Name	

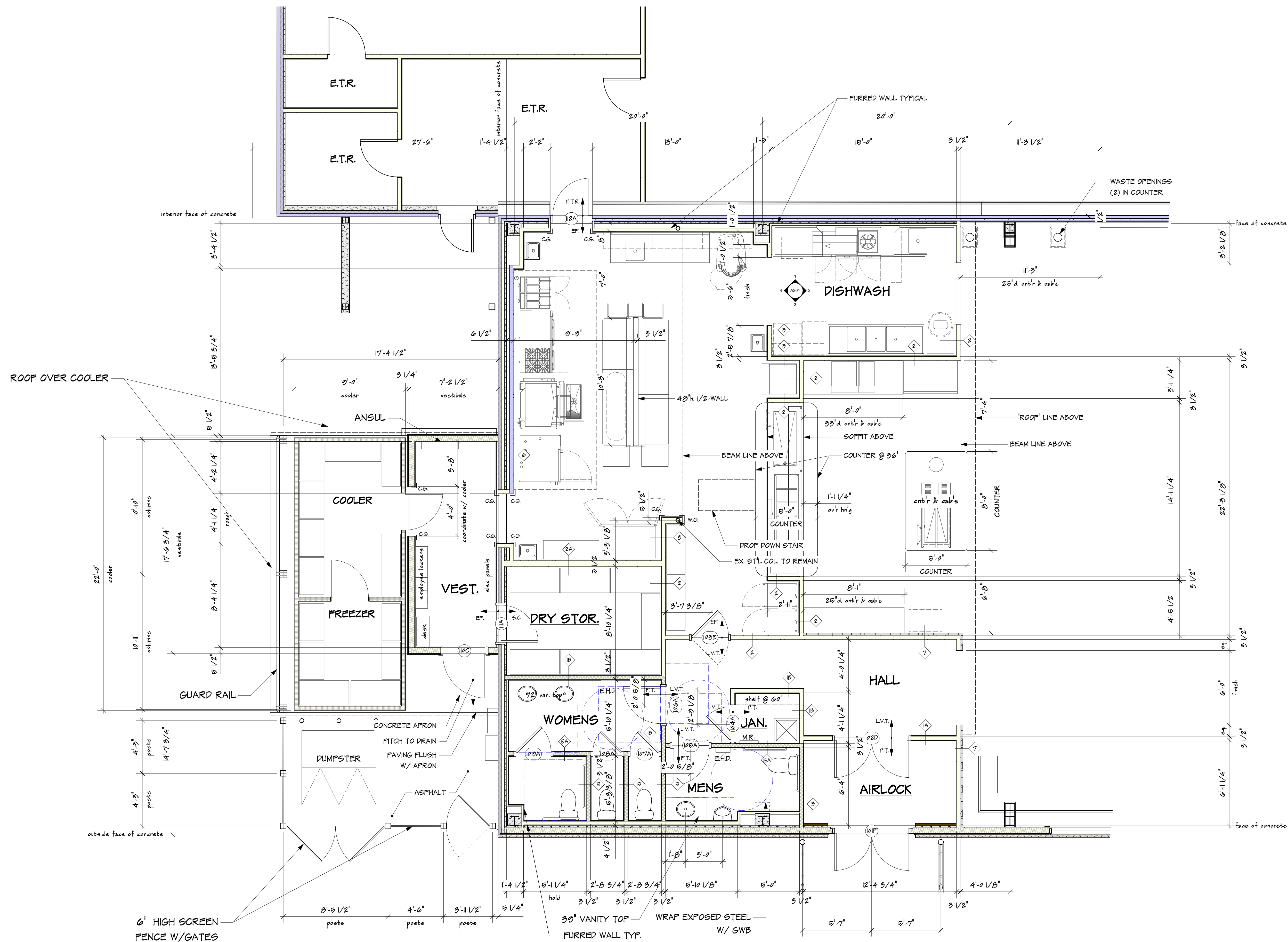
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Project Title	
WASHINGTON ACADEMY COMMUNITY COLLEGE NEW CAFETERIA 66 Cutler Rd. East Machias, ME 04630	
Sheet Title	KITCHEN PLAN

Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale 1/4" = 1'-0"
Reviewed By GSF	Sheet No.
Date 6/24/2026	A101
CAD File Name	_____ of _____ 36



WALL TYPES - SEE ROOM FINISH SCHEDULE

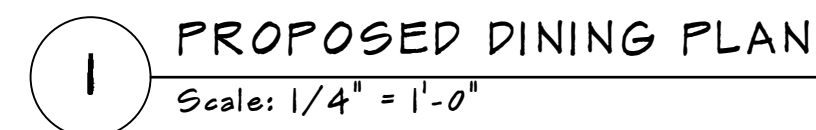
- ① 3 1/2" SFF STUDS, 0/0" GWB EACH SIDE
- ② 3 1/2" SFF STUDS, 1/2" GWB EACH SIDE
- ③ 3 1/2" SFF STUDS, 1/2" GWB, 1/2" MRGWB WET SIDE
- ④ 3 1/2" SFF STUDS, 0/0" GWB, GFRP PANELS
- ⑤ 0/2" STUD 0/0" GWB, GFRP PANELS
- ⑥ 3 1/2" SFF STUDS, GFRP PANELS EACH SIDE
- ⑦ 3 1/2" SFF STUDS, 0/0" GWB, 1/2" CEMENT TILE BACKER, 1/4" PORCELAIN WALL TILE
- ⑧ 3 1/2" LVL STUDS, 1/2" BACKER BOARD, 1/4" TILE EACH SIDE
- ⑨ 3 1/2" LVL STUDS 1/2" BACKER BOARD, 1/4" TILE WET SIDE, VINYL SIDING EACH SIDE
- ⑩ 3 0/0" METAL STUDS, 0/0" GWB ONE SIDE, SB BACKSPLASH BY HOOD SUPPLIER
- ⑪ 3 1/2" SFF STUDS, 0/0" GWB, 1/2" CPX PLYWOOD, M.R. BARRIER, 2" STONE VENEER

ABBREVIATIONS

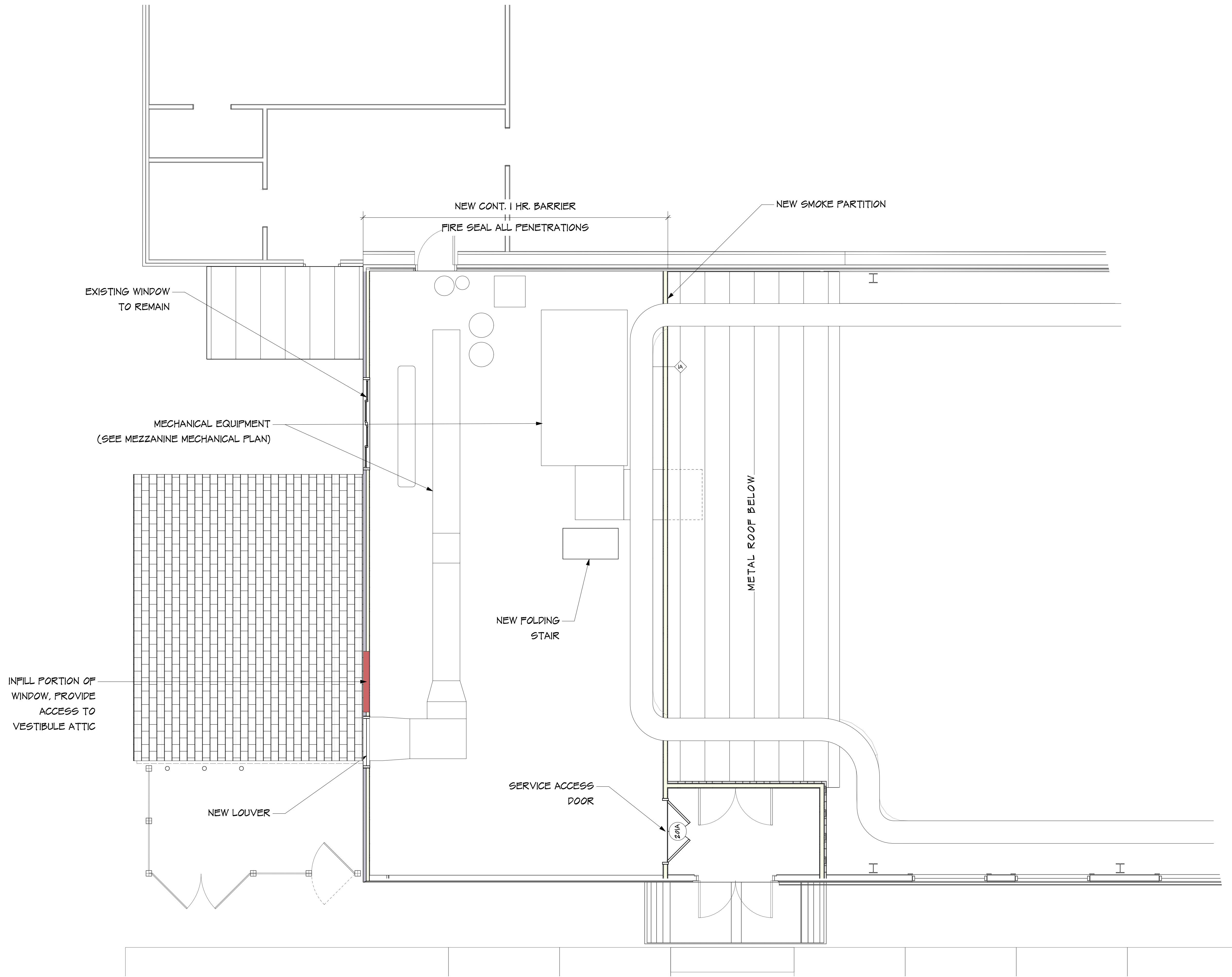
C.G.	-	CORNER GUARD
E.H.D.	-	ELECTRIC HAND DRYER
M.R.	-	MOP RECEPTOR
W.G.	-	WALL GUARD
L.V.T.	-	LUXURY VINYL TILE
P.T.	-	PORCELAIN TILE
EP.	-	EPOXY FLOORING
SC.	-	
E.T.R.	-	EXISTING TO REMAIN
GFRP.	-	GLASS FIBRE REINFORCED PANELS
MGRWB.	-	MOISTURE RESISTANT G.W.B.

[illegible]

Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale 1/4" = 1'-0"
Reviewed By GSF	Sheet No. A102 _____ of _____ 36
Date 6/24/2026	
CAD File Name	



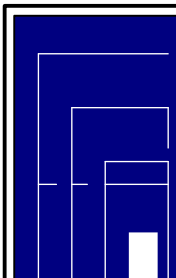
205 TOTAL SEATING CAPACITY WITH LAYOUT SHOWN



1 MEZZANINE PLAN
Scale: 1/4" = 1'-0"

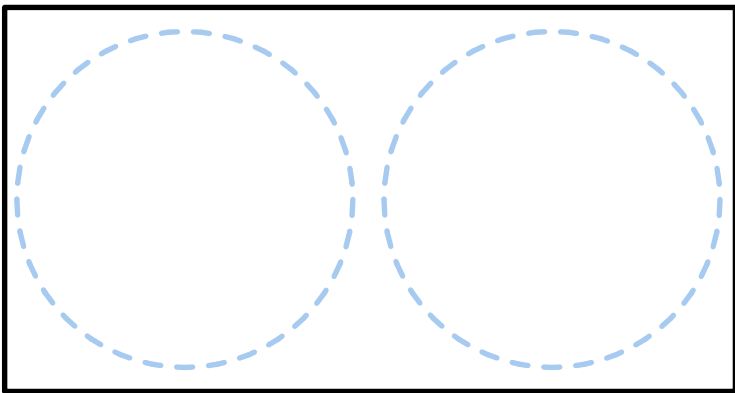
No.	Date	Appr	Revision Notes
1	1/19/26	GSF	Updated plan & schedule
2	1/22/26	GSF	Revised Kitchen and exterior layout per Owners comments

No.	Date	Issue Notes



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Project Title

**WASHINGTON ACADEMY
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NEW CAFETERIA**

66 Cutler Rd.
East Machias, ME 04630

Sheet Title

MEZZANINE PLAN

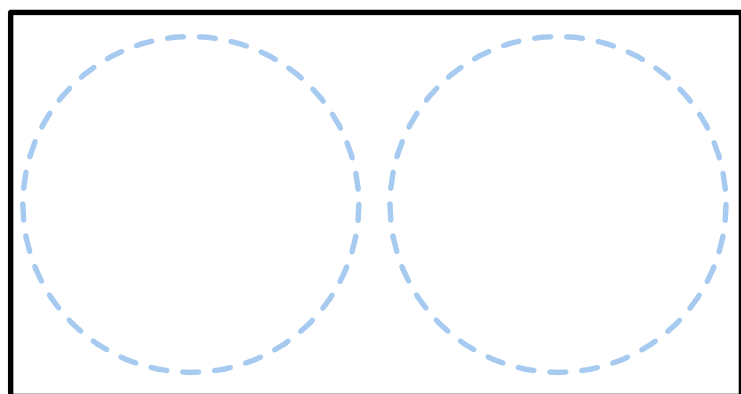
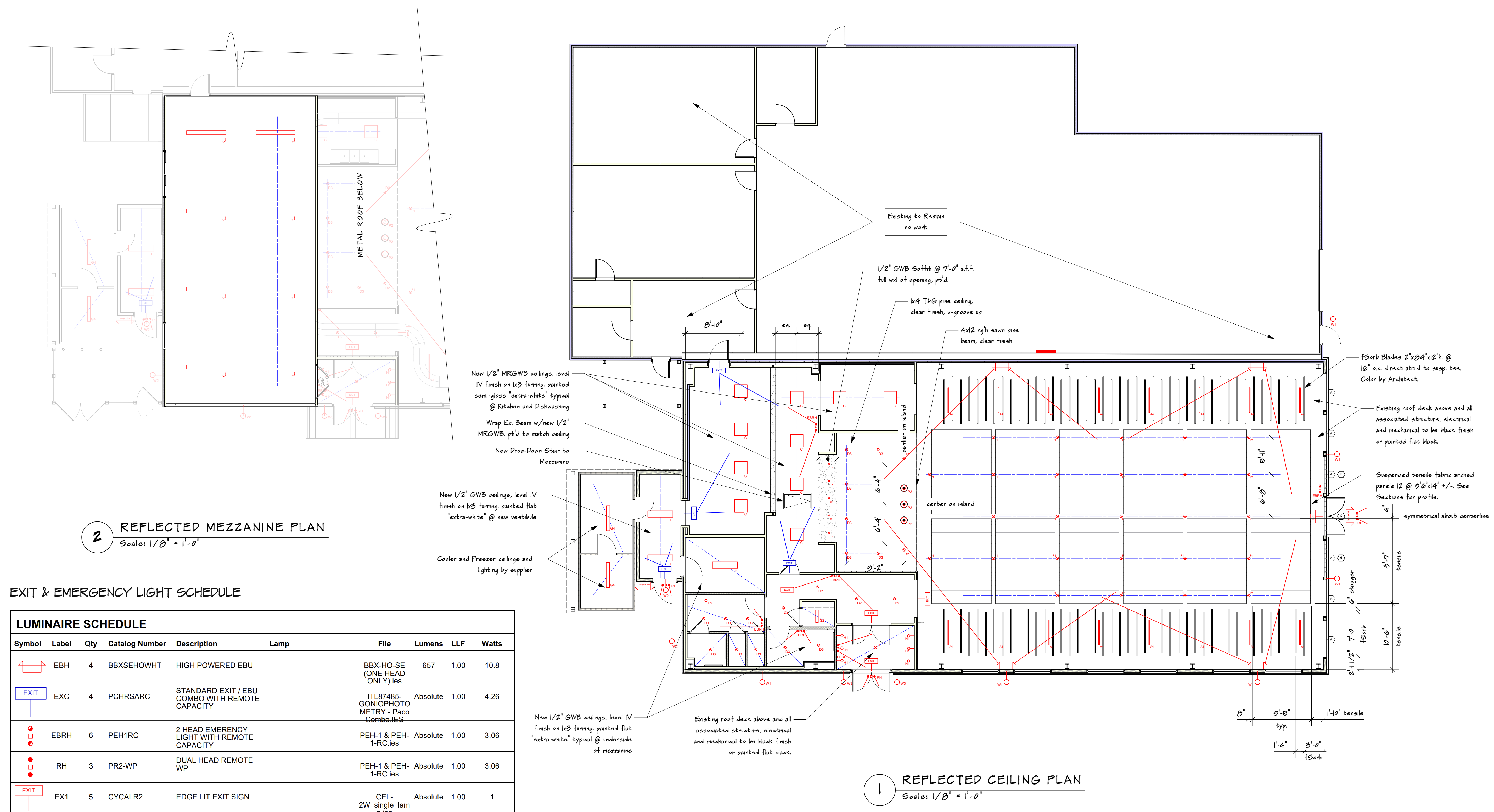
Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale 1/4" = 1'-0"
Reviewed By GSF	Sheet No. A103
Date 6/24/2026	of 36
CAD File Name	

Luminaire Schedule (note fixture catalogue numbers are not complete)						
Tag	Qty	Lum. Lumens	LLF	Lum. Watts	Description	MANUFAC
A4	16	3000	0.900	30.8	EX1D-A-835HO-4	Pinnacle Architectural Lighting
B	3	4826	0.900	38.2	JFPF-BL-CPS-NSF-14-40W	JADEMAR LIGHTING
C	11	4795	0.900	38.2	JFPF-BL-CPS-NSF-22-40W	JADEMAR LIGHTING
D2	6	1559	0.900	20	PB4RAF-20L3M-35KH-T55-S-WH-WH-NCEC-UNV-D6E	USAI LIGHTING
D3	16	845	0.900	9	PB4RAF-9L3M-35KH-T55-S-WH-WH-NCEC-UNV-D6E	USAI LIGHTING
F1	4	921	0.900	12	EPDL6-NF-DCFV-9L-35K8-W-FW-G-RIG6-DV-DIM1	Kenall Manufacturing
G2	1	4329	0.900	32	EG3-2-LED-04L-DA-S-35-80	LSI INDUSTRIES, INC.
G4	2	4384	0.900	32	EG3-4-LED-04L-DA-S-35-80	LSI INDUSTRIES, INC.
P1	26	2810	0.900	30.4	FLCY4-RD-WHR-3000L-35K-1C-120-SC-L11-C72-DNT-VWFL-CD	Focal Point
P2	3	941	0.900	9.3	CHT-516-12L-30-FGG6-GWT	LSI INDUSTRIES, INC.
J	8	5624	0.520	21	IL4A-MC- SET TO 21W 3500K	ADVANTAGE LIGHTING SOULTIONS
W1	6	2772	0.900	19	XWS-LED-03L-SIL-4-30-70CRI	LSI INDUSTRIES, INC.
W2	2	1433	0.900	10	XWS-LED-01L-SIL-4-30-70CRI	LSI INDUSTRIES, INC.
W3	2	1133	0.900	9.3	WAR-610-12L-UNV-30-PGG6-XXX-ARM	LSI INDUSTRIES, INC.

- 124/2026

No.	Date	Appr	Revision Notes

No.	Date	Issue Notes



Project Title

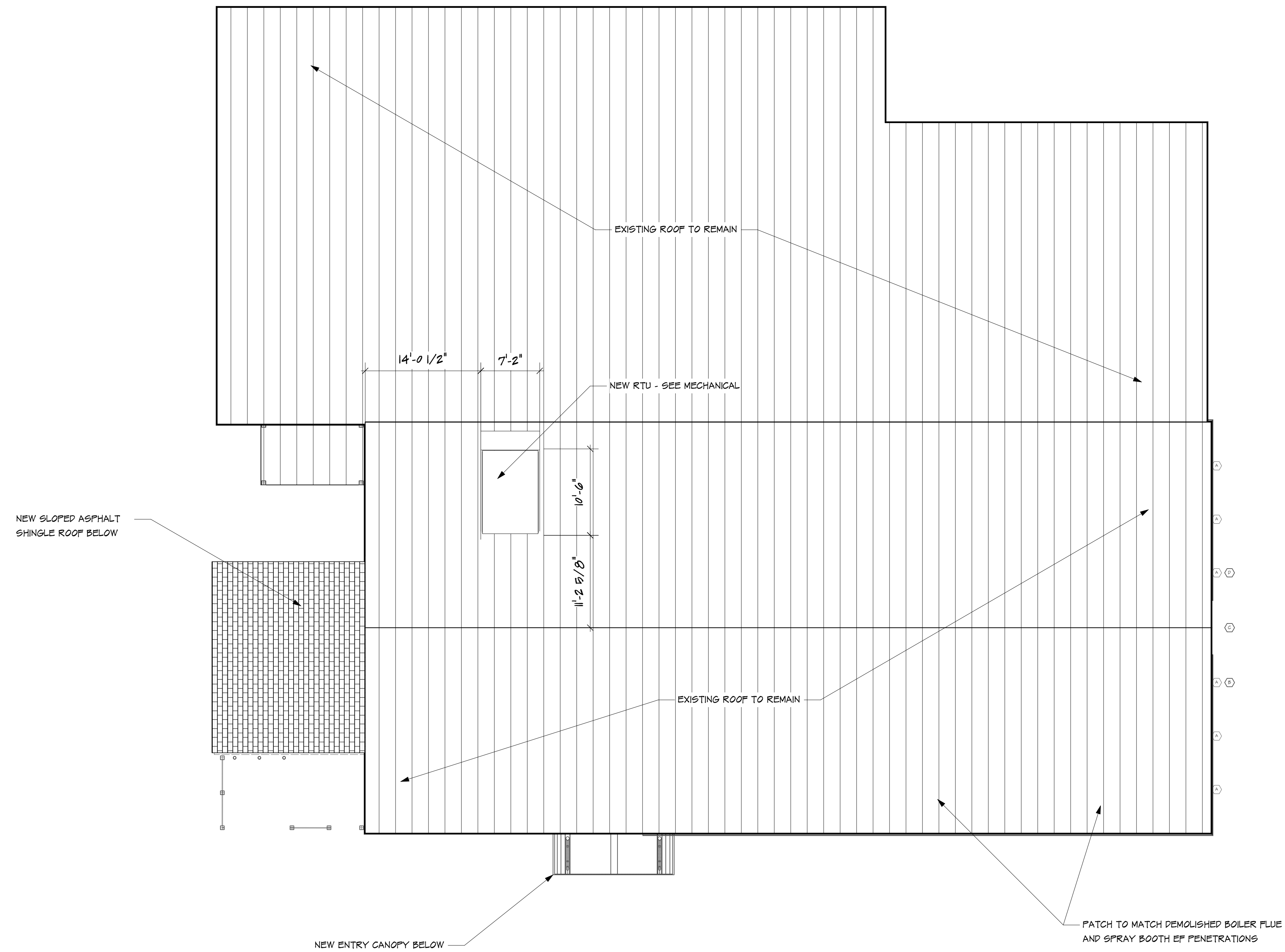
WASHINGTON ACADEMY
COMMUNITY COLLEGE
NEW CAFETERIA
66 Cutler Rd.
East Machias, ME 04630

Sheet Title

REFLECTED CEILING PLAN

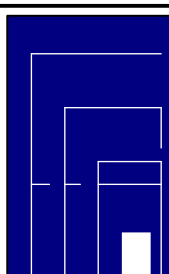
Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale 1/8" = 1'-0"
Reviewed By GSF	Sheet No. A104 _____ of _____ 36
Date 6/24/2026	
CAD File Name	

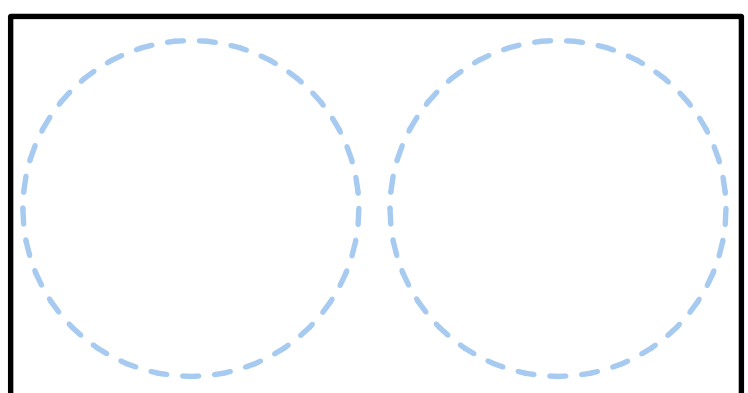
FOR PERMIT - 06/24/2026



1 ROOF PLAN
Scale: 1/8" = 1'-0"

[illegible]

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Project Title

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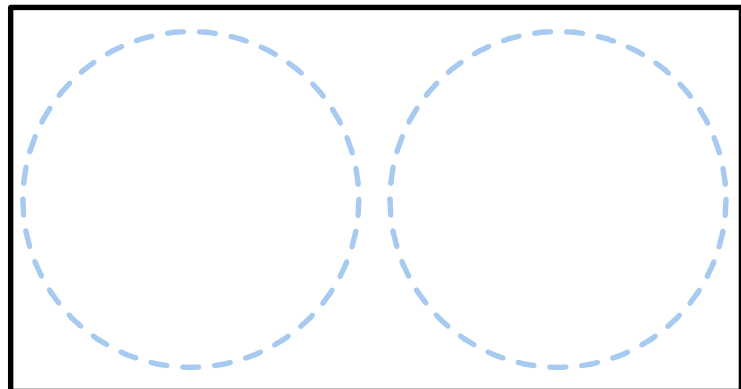
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ROOF PLAN

Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale 1/8" = 1'-0"
Reviewed By GSF	Sheet No. A105 _____ of _____ 36
Date 6/24/2026	
CAD File Name	

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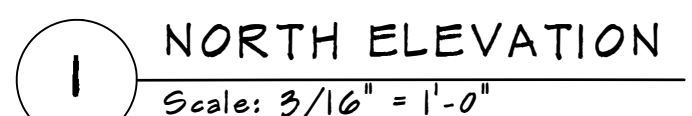
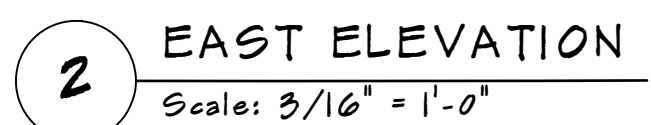
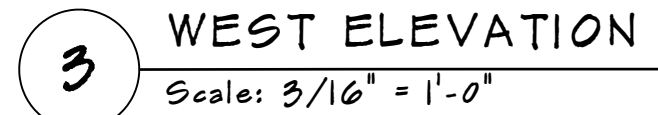
No.	Date	Issue Notes
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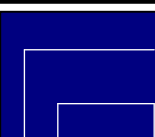
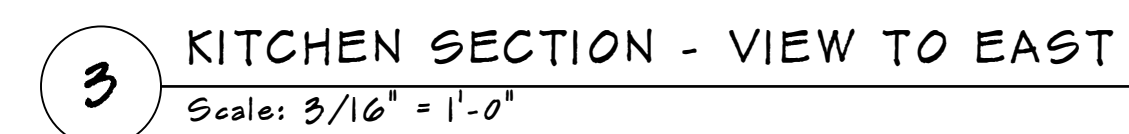
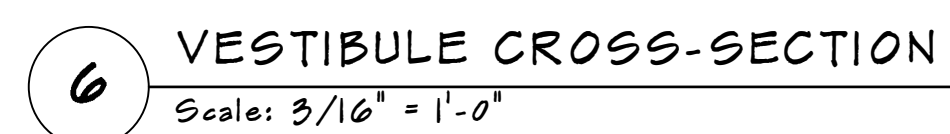


Project Title

Sheet Title	ELEVATIONS
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Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale 3/16" = 1'-0"
Reviewed By GSF	Sheet No.
Date 6/24/2026	A200 _____ of _____
CAD File Name	36



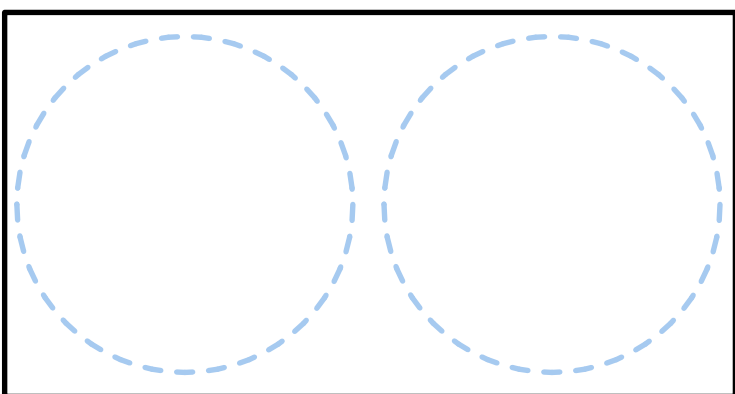
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Project Title
WASHINGTON ACADEMY COMMUNITY COLLEGE NEW CAFETERIA 66 Cutler Rd. East Machias, ME 04630
Sheet Title
SECTIONS

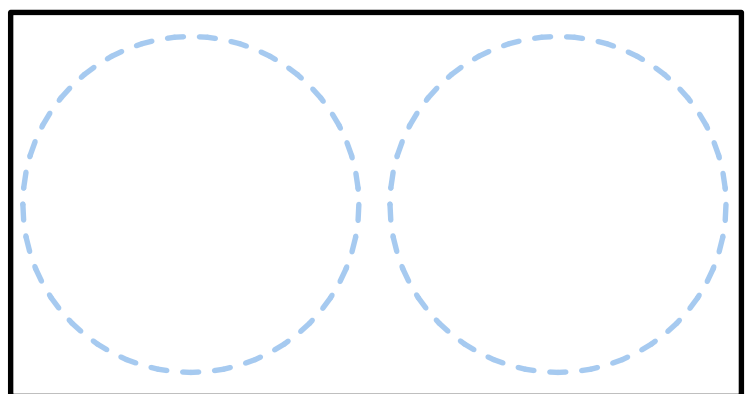
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Reviewed By GSF	Sheet No. A300 _____ of _____ 36
Date 6/24/2026	
CAD File Name	

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[illegible]

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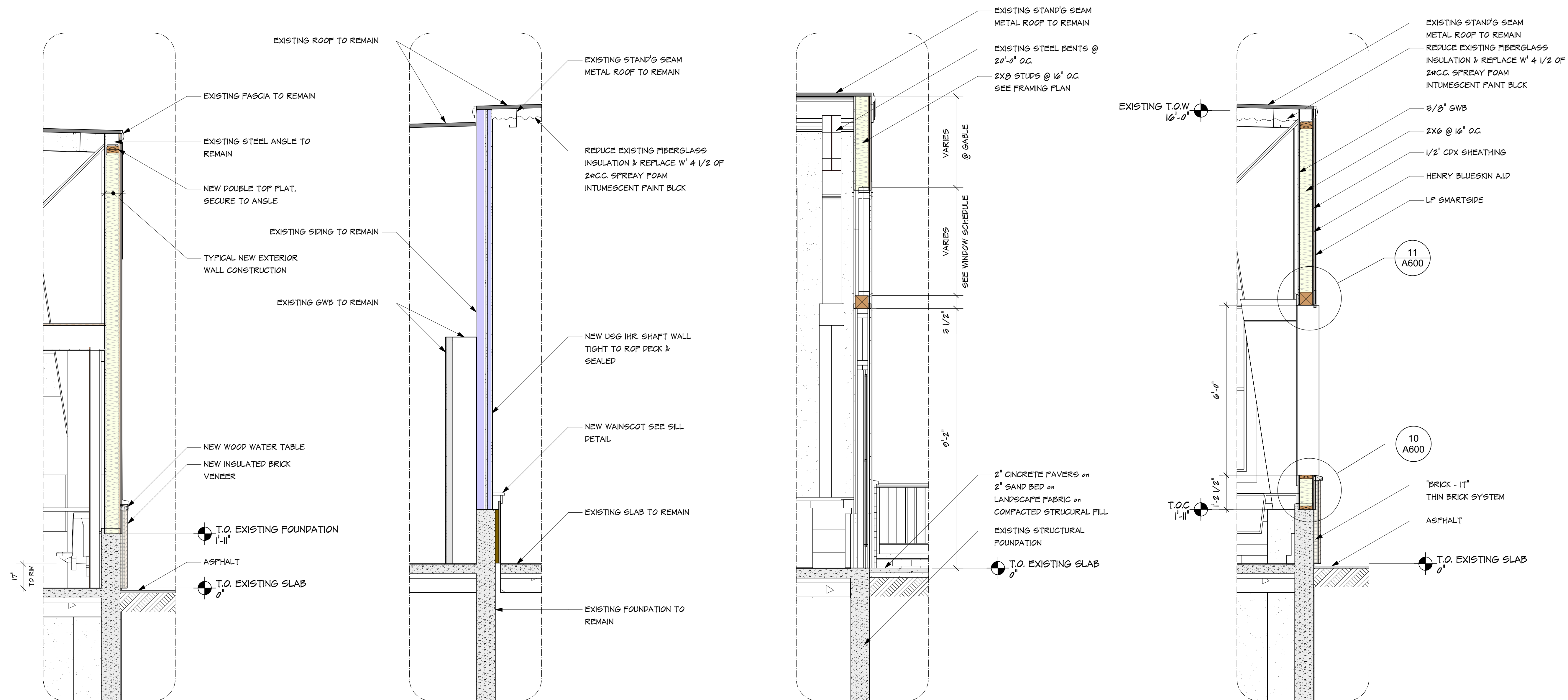
Project Title

WASHINGTON ACADEMY
COMMUNITY COLLEGE
NEW CAFETERIA
66 Cutler Rd.
East Machias, ME 04630

Sheet Title

WALL SECTIONS

Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale 1/2" = 1'0"
Reviewed By GSF	Sheet No. A301 _____ of _____ 36
Date 6/24/2026	
CAD File Name	



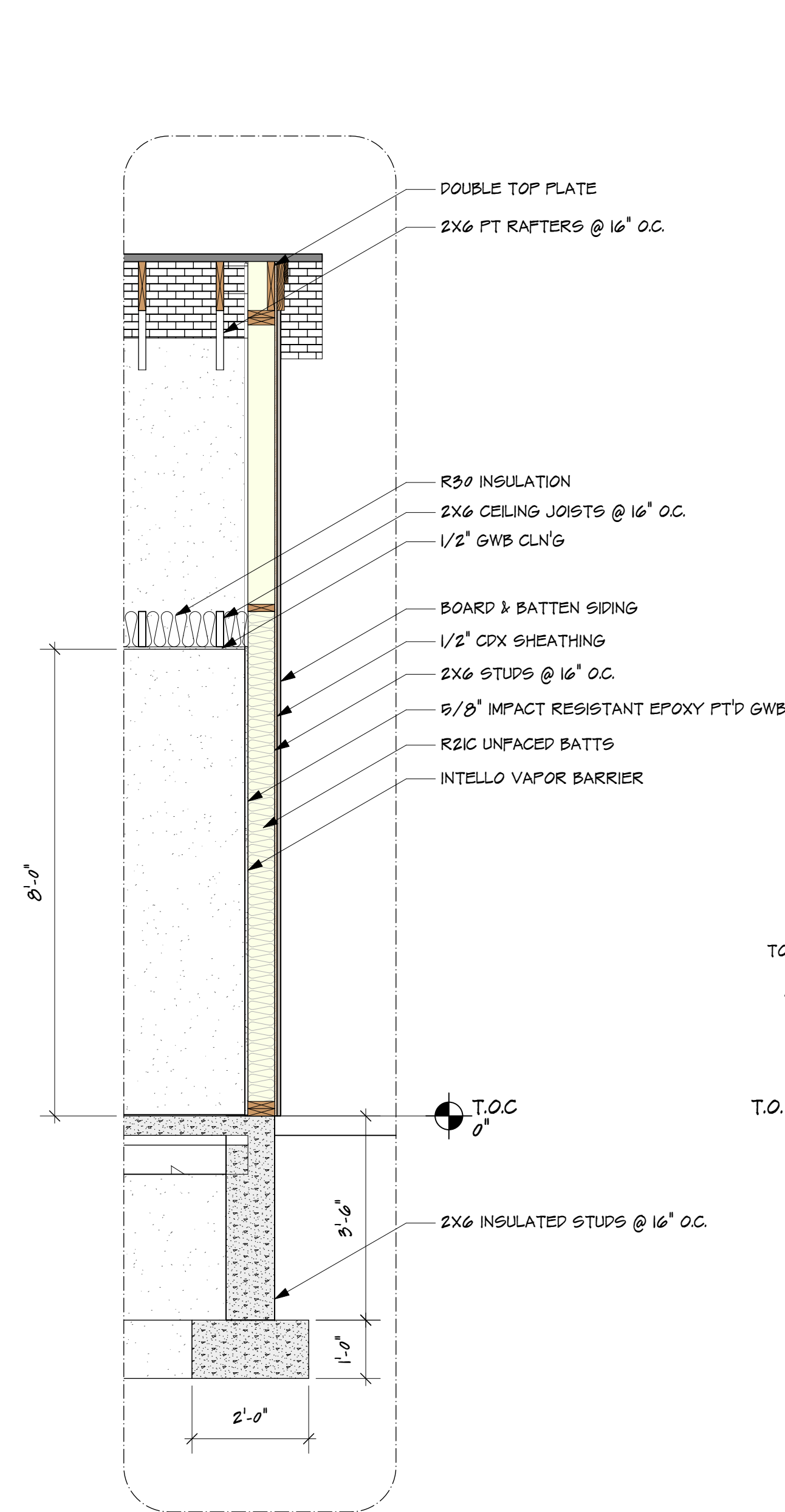
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3 UL DESIGN U410 - 1HR RATED
Scale: $1/2" = 1'-0"$

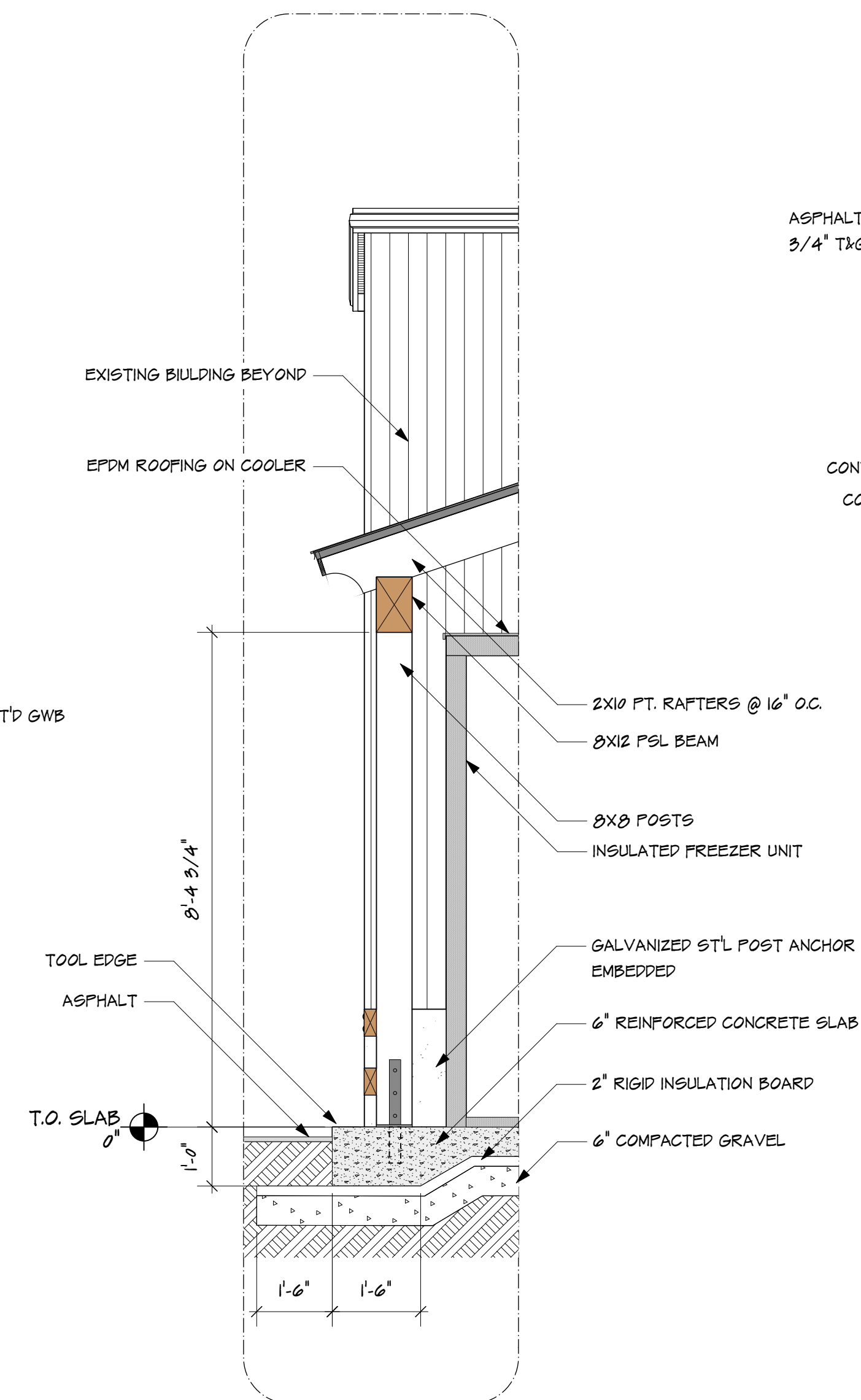
2 TYPICAL WEST WALL SECTION @ DINING
Scale: $1/2" = 1'-0"$

1 TYPICAL SOUTH WALL SECTION
Scale: $1/2" = 1'-0"$

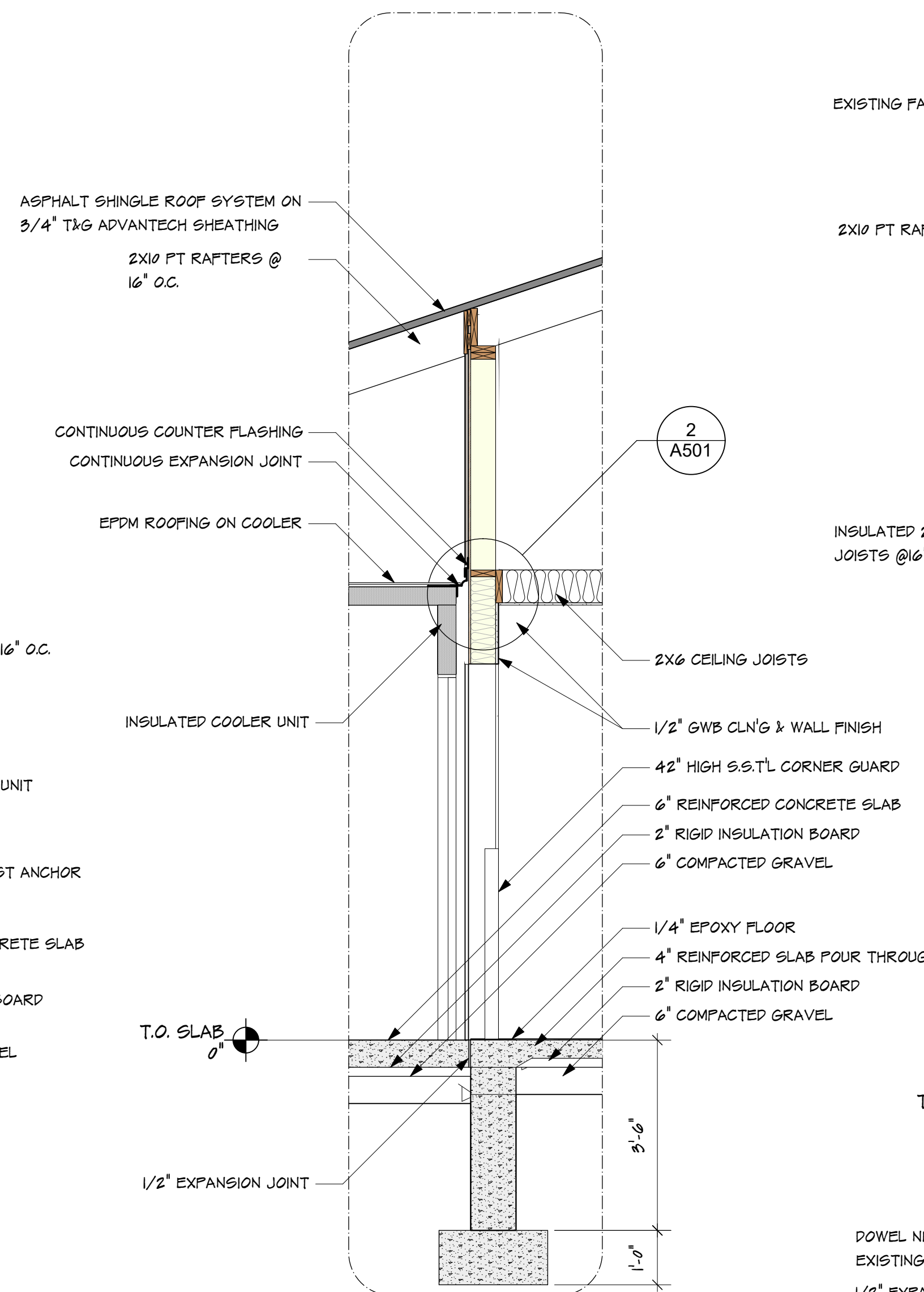
FOR PERMIT - 06/24/2026



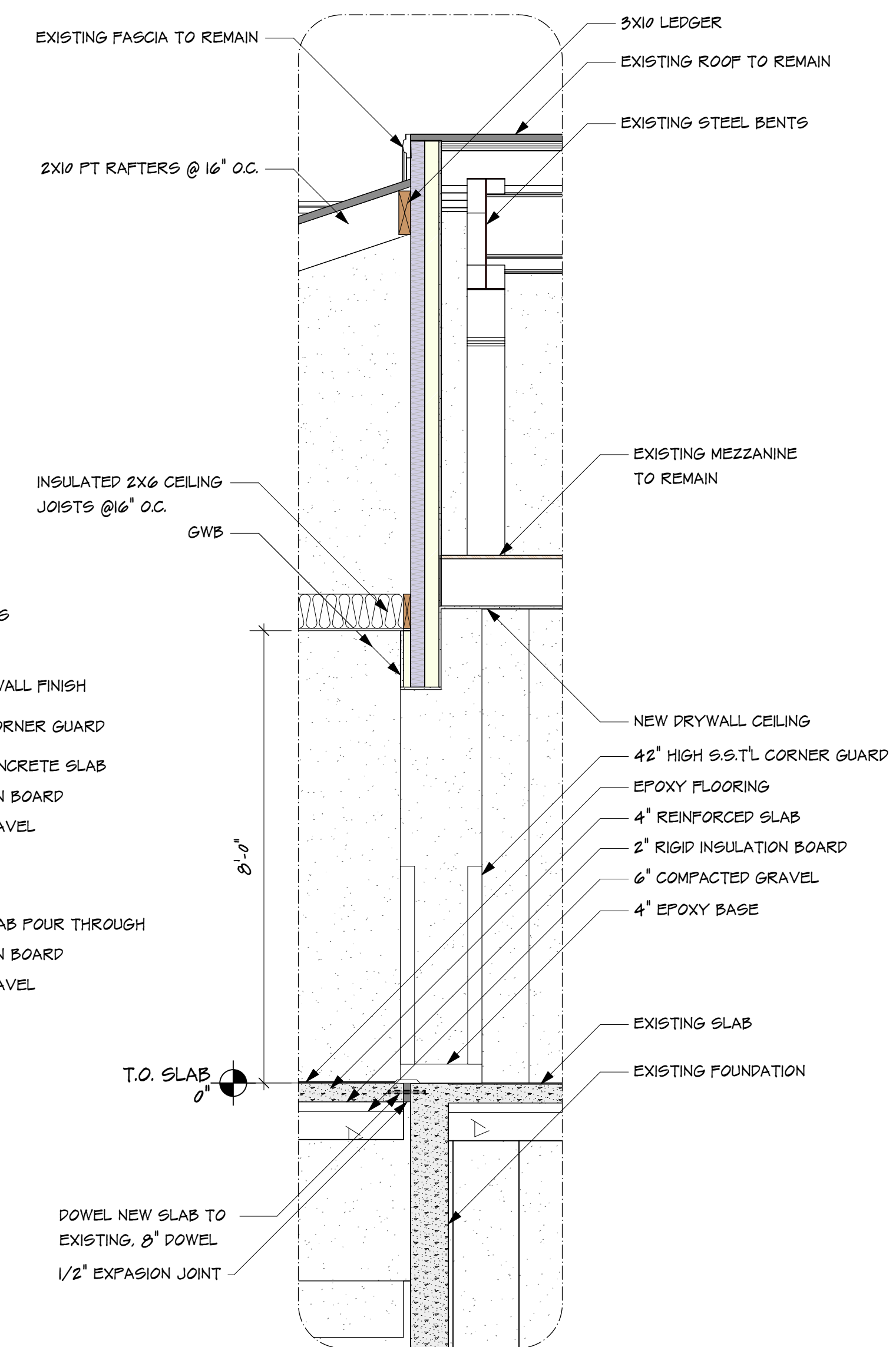
4 WALL SECTION @ VESTIBULE NORTH WALL
Scale: $1/2'' = 1'-0''$



3 COOLER/FREEZER WALL SECTION
Scale: $1/2" = 1'-0"$

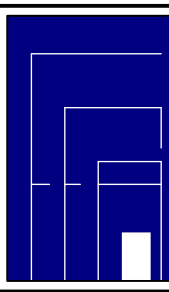


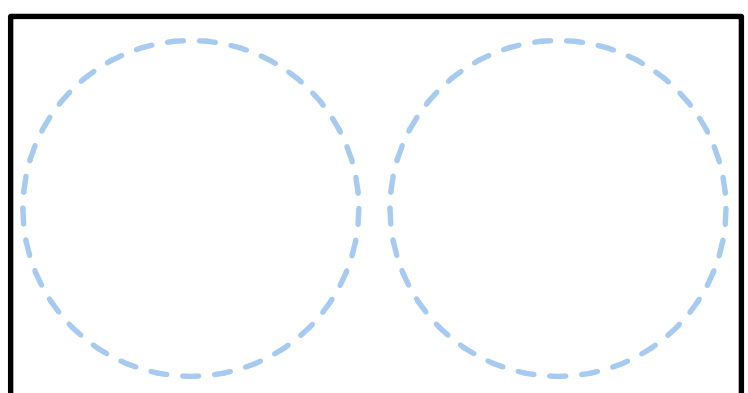
2 VESTIBULE EAST WALL SECTION
Scale: $1/2" = 1'-0"$



1 KITCHEN WEST WALL SECTION
Scale: $1/2" = 1'-0"$

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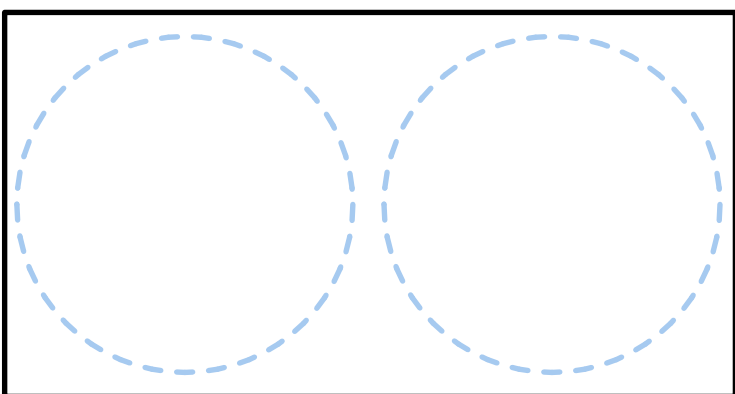
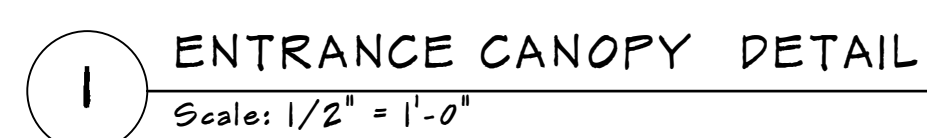
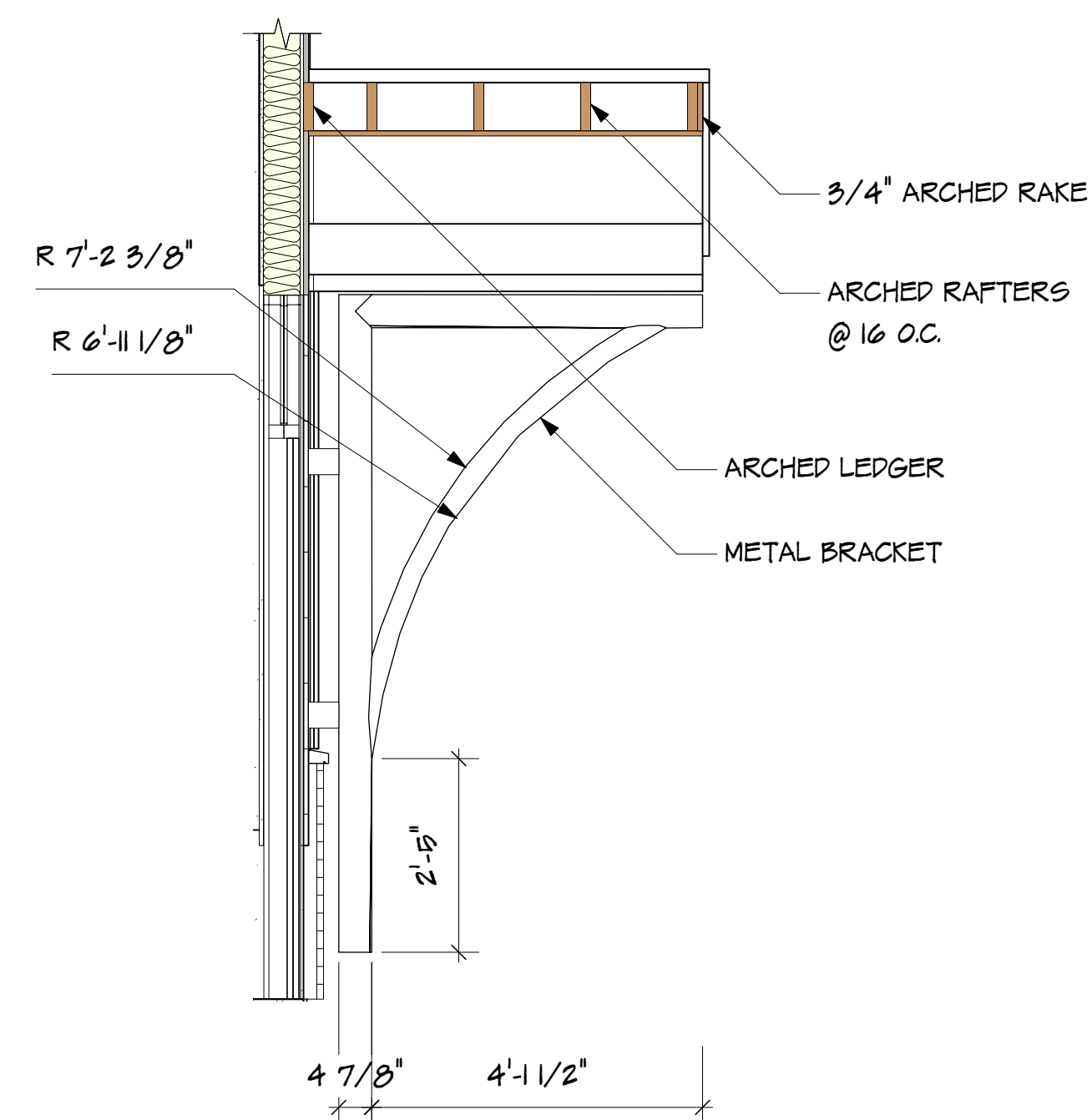
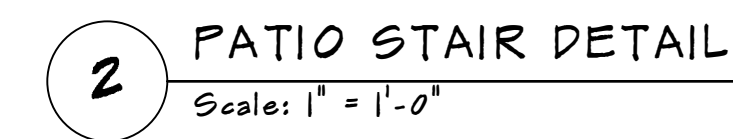
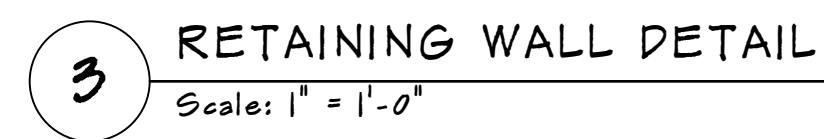
Project Title

WASHINGTON ACADEMY
COMMUNITY COLLEGE
NEW CAFETERIA
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East Machias, ME 04630

Sheet Title

WALL SECTIONS

Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale 1/2" = 1'-0"
Reviewed By GSF	Sheet No. A302 _____ of _____ 36
Date 6/24/2026	
CAD File Name	

[illegible]

Project Title

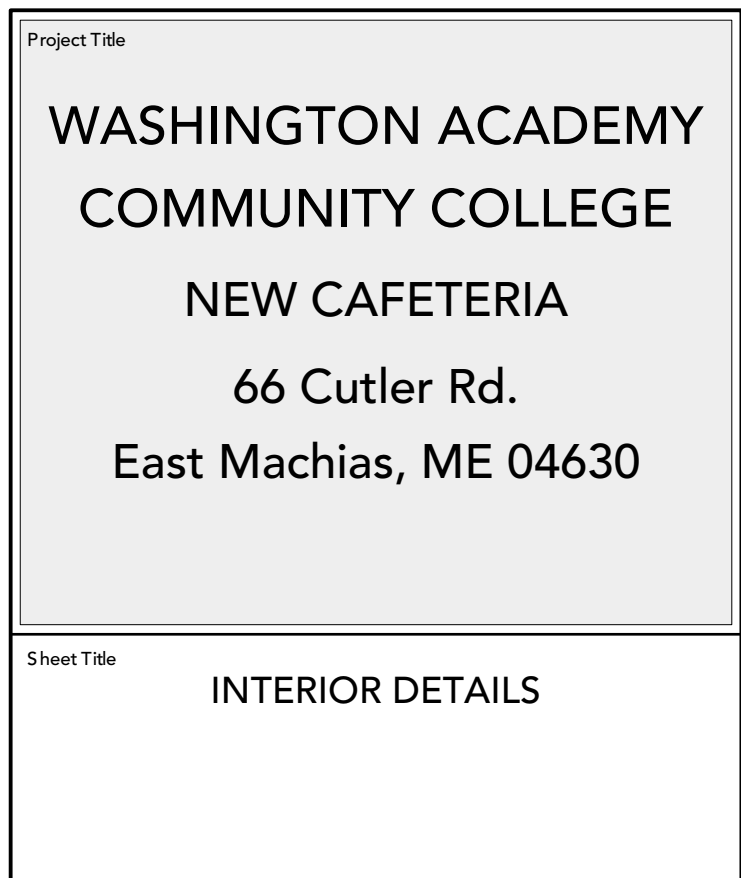
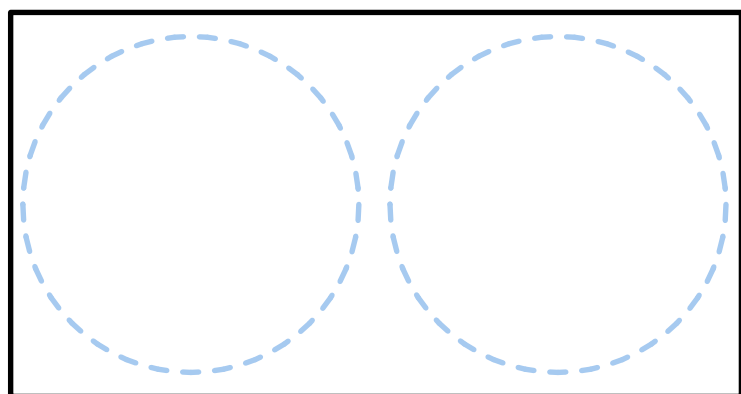
WASHINGTON ACADEMY
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66 Cutler Rd.
East Machias, ME 04630

Sheet Title

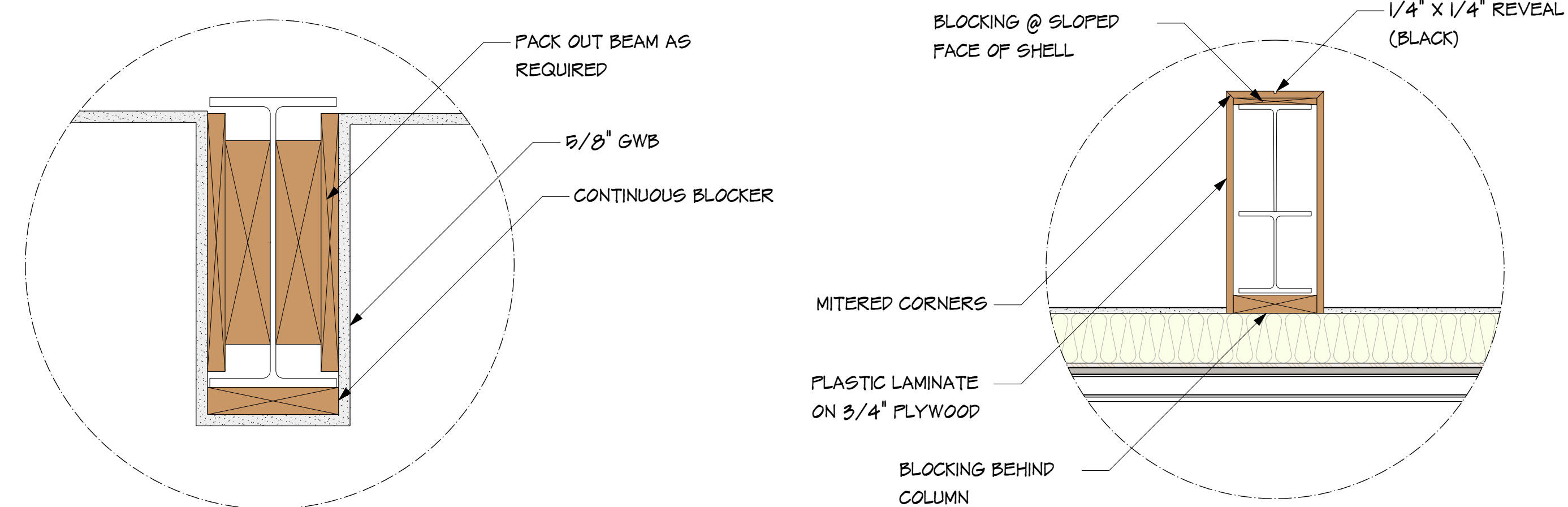
EXTERIOR DETAILS

Project Manager G.S. Fraser	Project ID FAA 02502026
Drawn By GSF, GJ.LL	Scale AS SHOWN
Reviewed By GSF	Sheet No. A500 _____ of _____ 36
Date 6/24/2026	
CAD File Name	

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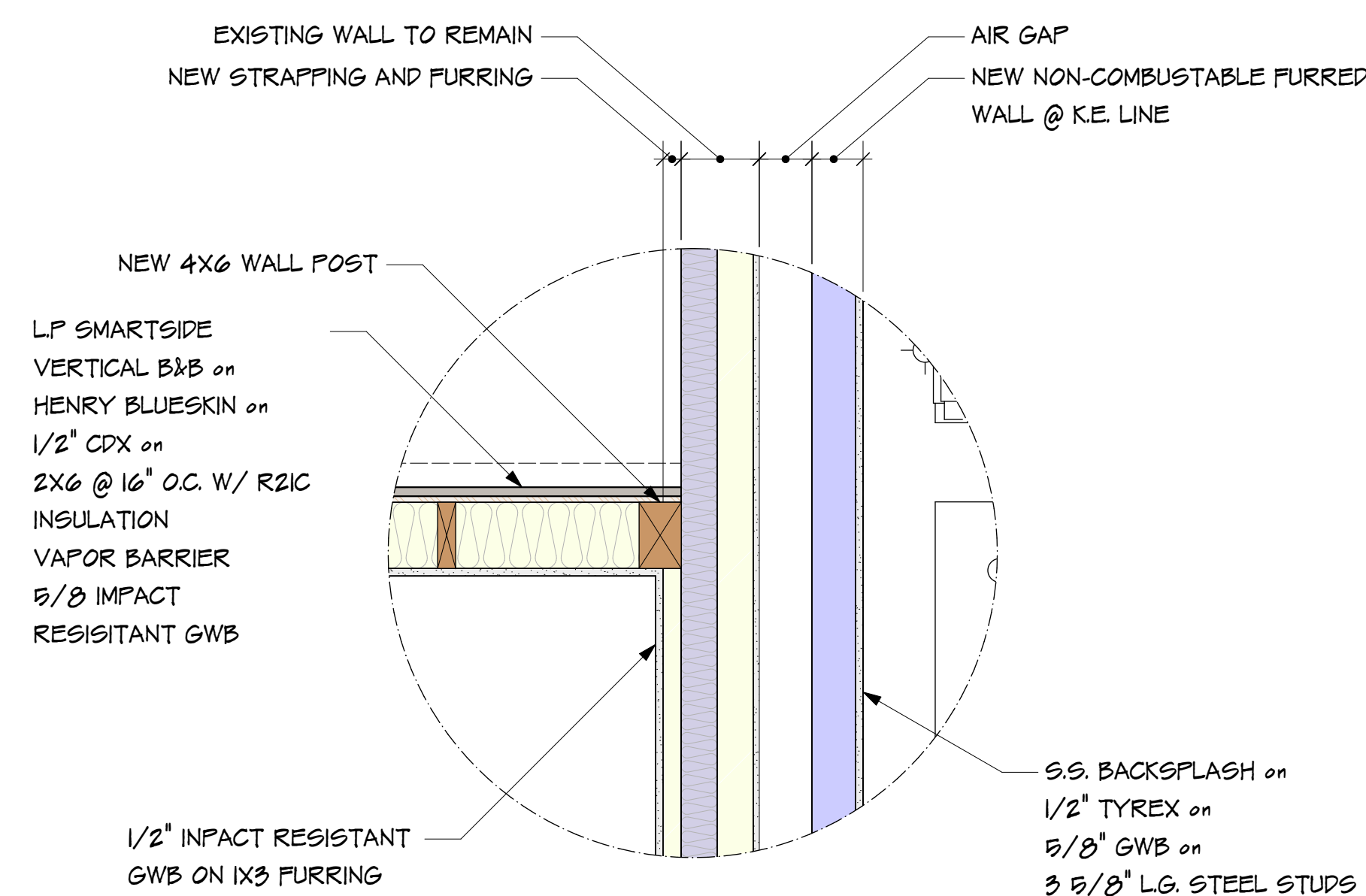
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Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale AS SHOWN
Reviewed By GSF	Sheet No. A501 _____ of _____ 36
Date 6/24/2026	
CAD File Name	

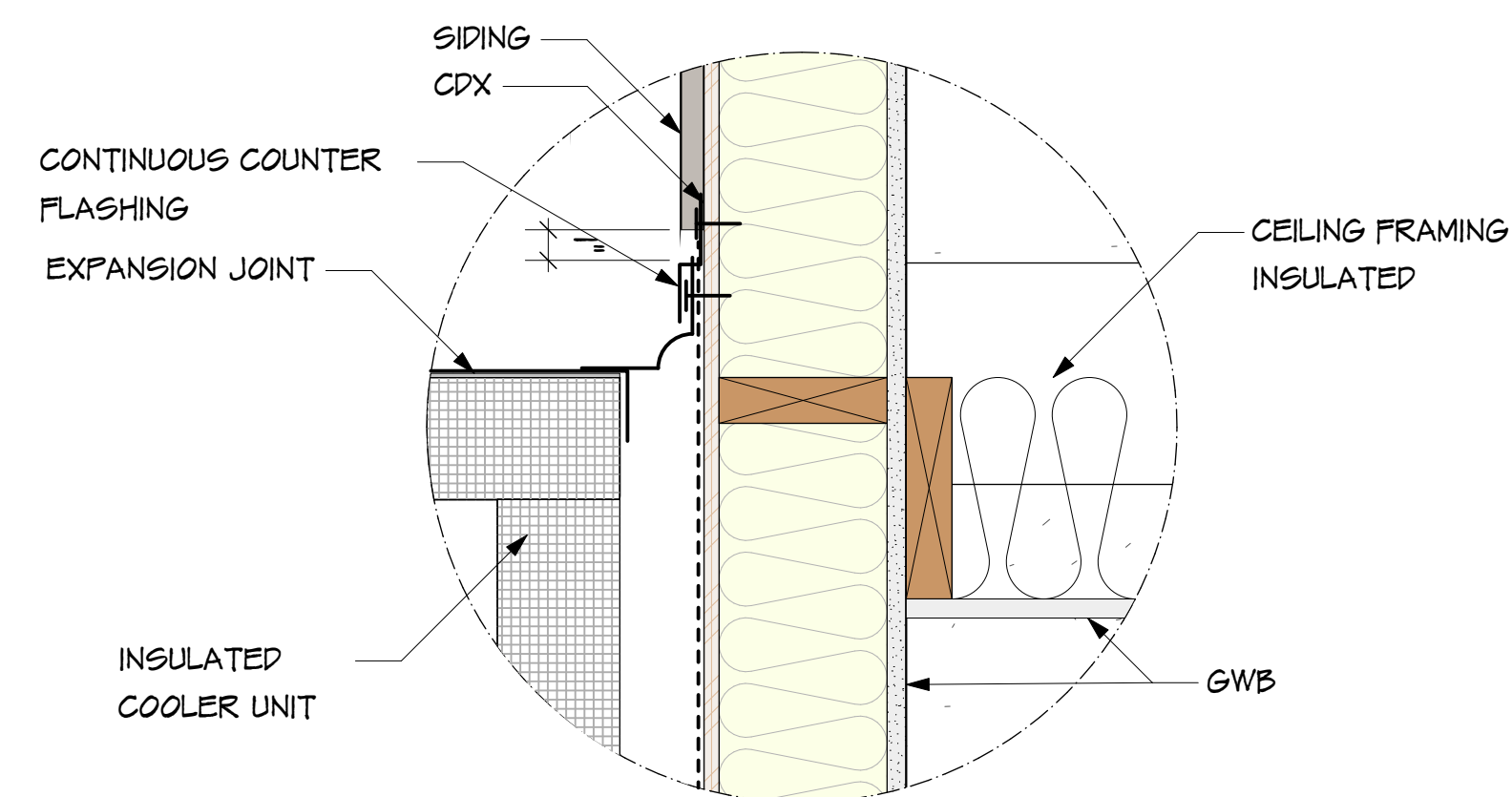


6 STEEL BEAM ENCLOSURE DETAIL
Scale: 2" = 1'-0"

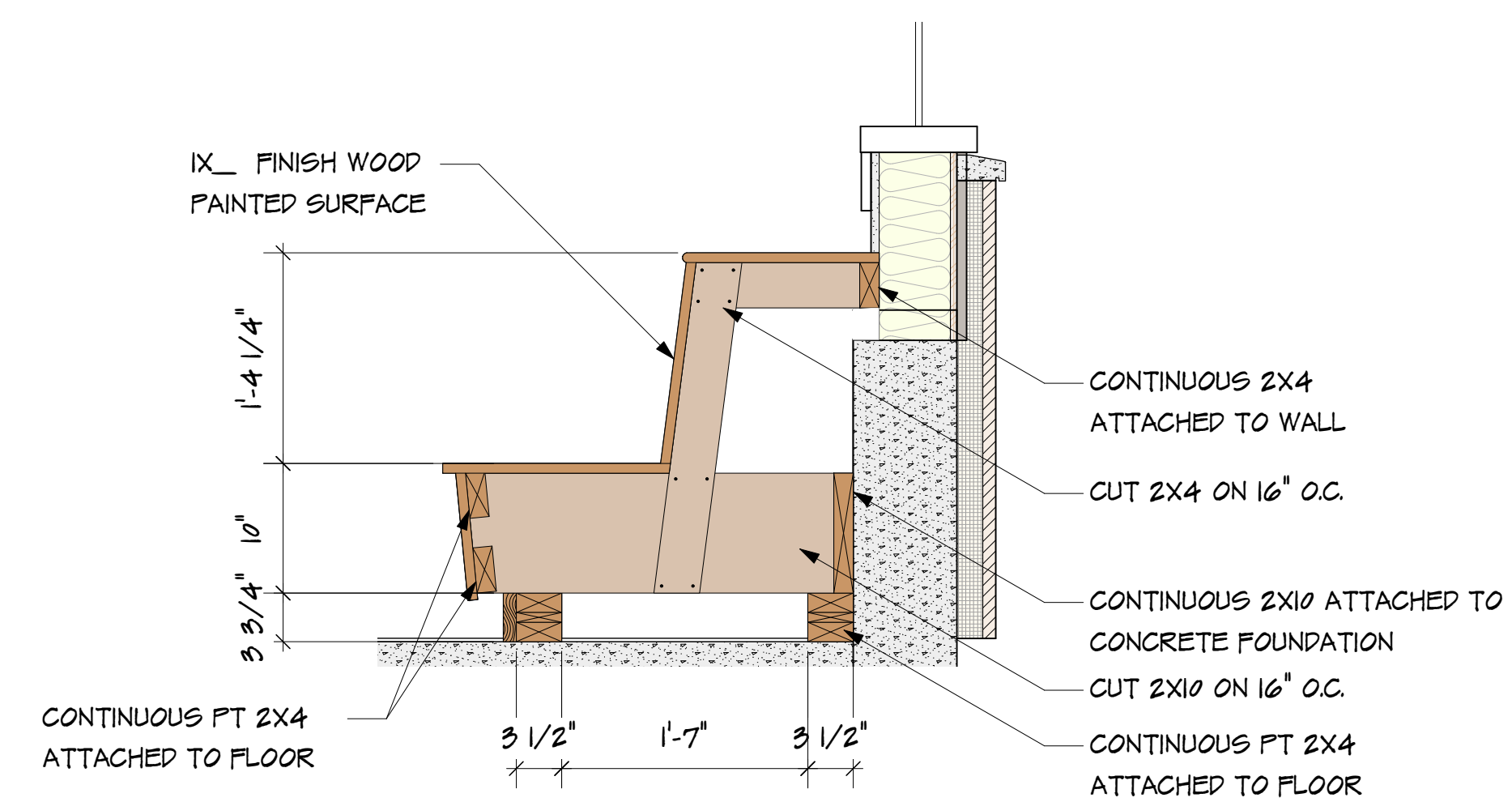
4 NEW STEEL COLUMN ENCLOSURE
Scale: 1" = 1'-0"



3 VESTIBULE WALL PLAN DETAIL
Scale: 1" = 1'-0"

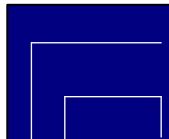


2 VESTIBULE WALL SECTION DETAIL
Scale: 2" = 1'-0"



BUILT-IN BENCH DETAIL
Scale: 1" = 1'-0"

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[illegible]

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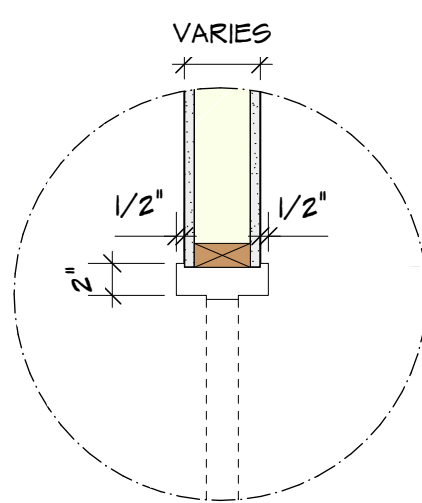
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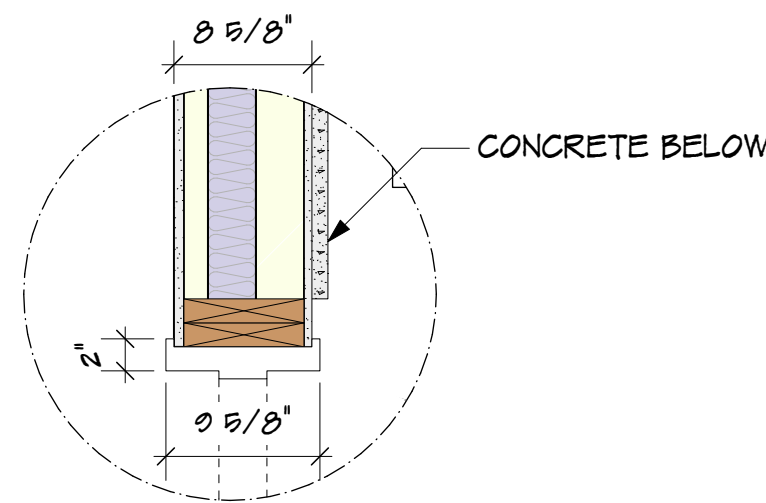
Consultant

DOOR HARDWARE SCHEDULE									
DOOR NO	HINGE	LATCH/SET	DEADBOLT	CLOSER	THRESHOLD	PERIMETER SEAL	KICKPLATE	PROTECTION PLATE	STOP(S)
101	Full Mortise Cont. Gear Hinge	Panic Exit Device, Ext. Lever trim, Keycard Access	No	Low Profile Frame Mounted 110° w/hold-open	ADA 1/2 Saddle, Thermal break	By Door Supplier	No	No	w/closer
102	Full Mortise Cont. Gear Hinge	Push/Pull Bars	No	Low Profile Frame Mounted 110° w/hold-open	ADA 1/2 Saddle	By Door Supplier	No	No	w/closer
103	Top & Bottom center-set pivot	Push Plates both sides	Maybe	included with pivot hinge (return to center)	Transition strip by flooring sub	No	Yes - hall side	Yes - Kitchen side	No
104	1.5 Pair Steel BB 5 knuckle	Grade 2 Cylinder set - Storage Function	No	No	none	No	No	No	No
105	1.5 Pair Steel BB 5 knuckle	Grade 2 Cylinder set - Privacy Function w/status indicator	No	No	Transition strip by flooring sub	Sound Gaskets @ jams	Yes - hall side	No	Yes - Wall
106	1.5 Pair Steel BB 5 knuckle	Push/Pull Plates	Maybe	Door Mounted 110° w/hold-open	Transition strip by flooring sub	No	Yes - hall side	No	Yes - Wall
107	1.5 Pair Steel BB 5 knuckle	Grade 2 Cylinder set - Privacy Function w/status indicator	No	No	none	Sound Gaskets @ jams	No	No	Yes - Wall
108	1.5 Pair Steel BB 5 knuckle	Grade 2 Cylinder set - Privacy Function w/status indicator	No	No	none	Sound Gaskets @ jams	No	No	Yes - Wall
109	1.5 Pair Steel BB 5 knuckle	Grade 2 Cylinder set - Privacy Function w/status indicator	No	No	none	Sound Gaskets @ jams	No	No	Yes - Wall
110	1.5 Pair Stainless Steel BB 5 knuckle, NRP	Grade 2 Cylinder set - Entry Function Keycard Access	No	Door Mounted 110° w/hold-open	ADA Saddle, Thermal break	Weather Gaskets - jams and shoe	No	Yes - Interior 26"h.	w/closer
111	1.5 Pair Steel BB 5 knuckle	Grade 2 Cylinder set - Storage	No	No	Transition strip by flooring sub	Pest Gasket	No	Yes - Kitchen side	Yes - Floor
112	1.5 Pair Steel BB 5 knuckle	Grade 2 Mortise set - Entry Function Keycard Access	No	Door Mounted 110° 1 hour rated	ADA Saddle	Fire/Smoke Set	Yes - Kitchen side	No	w/closer
113	Full Mortise Cont. Gear Hinge	Panic Exit Device, Ext. Lever trim, Keycard Access	No	Low Profile Frame Mounted 110° w/hold-open	ADA 1/2 Saddle, Thermal break	By Door Supplier	No	No	w/closer
201	2 Pair Steel BB 5 knuckle (1 pr/leaf)	Grade 2 Cylinder set - Dummy both leaves	Surface bolts, T&B both	No	Flat Saddle	Smoke seal	No	No	No
Notes <i>Finishes to be US15/619 unless otherwise noted. Levers to be ADA Corbin-Russwin PZD rose</i> <i>Doors 101 and 113 may be electrically locking and tied to owners existing Fob actuated access control system</i> <i>Doors 110 and 112 may be electrically locking and tied to owners existing Fob actuated access control system or stand-alone combination locks</i> <i>Doors 105, 107, 108 and 109 to have integral occupancy indicators in escutcheon</i> <i>Coordinate Keying and Keycard Access with Owner's existing systems Verify Corbin-Russwin</i>									

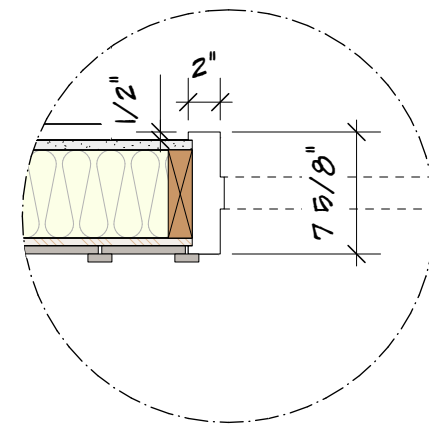
Door Schedule																										
No.		Nominal Size				Door Style			Door Frame		Frame Details					Fire Rating			Door Data			HW Data	Accessories	Comments		
		Width	Height	Thickness		Configuration	Top Shape	Slab Style	Glass Style	Joint Thick	Joint Depth	Head Detail	Jamb Detail	Frame Mount	Frame Finish	Gill Detail	Frame	Door Slide	Mfr.	Series	Model No.					
101	F	0'0"	7'0"	45	Swing	Stagnant	Glass	None	2"	4 1/2"	ALUMINUM	ALUMINUM	TSD	2SD	TSD	TSD	TSD	TSLITE	STORFRONT	THANN OR CO.	DRH# TSD	CLOSER NOK PLATE				
102	F	0'0"	7'0"	45	Swing	Operate	Subst	None	2"	4 1/2"	ALUMINUM	ALUMINUM	TSD	2SD	TSD	TSD	TSD	TSLITE	STORFRONT	THANN OR CO.	DRH# TSD	CLOSER NOK PLATE				
103	S	0'0"	7'0"	45	Double Acting	Operate	Subst	None	2"	0 3/4"	NP STL	FTD						MOHANE	CONORA		DRH# TSD	NOK PLATTS				
104	A	0'0"	7'0"	45	Swing	Operate	Subst	None	2"	0 3/4"	NP STL	FTD						MOHANE	CONORA		DRH# TSD	CLOSER NOK PLATE				
105	A	0'0"	7'0"	45	Swing	Operate	Subst	None	2"	0 3/4"	NP STL	FTD						MOHANE	CONORA		DRH# TSD	CLOSER NOK PLATE				
106	A	0'0"	7'0"	45	Swing	Operate	Subst	None	2"	0 3/4"	NP STL	FTD						MOHANE	CONORA		DRH# TSD	CLOSER NOK PLATE				
107	A	0'0"	7'0"	45	Swing	Operate	Subst	None	2"	0 3/4"	NP STL	FTD						MOHANE	CONORA		DRH# TSD	CLOSER NOK PLATE				
108	A	0'0"	7'0"	45	Swing	Operate	Subst	None	2"	0 3/4"	NP STL	FTD						MOHANE	CONORA		DRH# TSD	CLOSER NOK PLATE				
109	A	0'0"	7'0"	45	Swing	Operate	Subst	None	2"	0 3/4"	NP STL	FTD						MOHANE	CONORA		DRH# TSD	CLOSER NOK PLATE				
110	C	0'0"	7'0"	45	Swing	Operate	Subst	None	2"	2 1/2"	SLIP STL	GALV FTD						MOHANE	CONORA		DRH# TSD	CLOSER NOK PLATE	GALV STEEL DOOR			
111	A	0'0"	7'0"	45	Swing	Operate	Subst	None	2"	0 1/2"	NP STL	FTD						MOHANE	CONORA		DRH# TSD	NOK PLATTS				
112	A	0'0"	7'0"	45	Swing	Operate	Subst	None	2"	1 1/2"	NP STL	FTD						MOHANE	CONORA		DRH# TSD	NOK PLATTS				
113	C	0'0"	7'0"	45	Swing	Operate	Subst	None	2"	4 1/2"	ALUMINUM	ALUMINUM						MOHANE	CONORA		DRH# TSD	CLOSER NOK PLATE				
218	A	0'0"	0'0"	45	Swing	Operate	Subst	None	2"	0 3/4"	ALUMINUM	ALUMINUM						MOHANE	CONORA		DRH# TSD	NOK PLATTS				



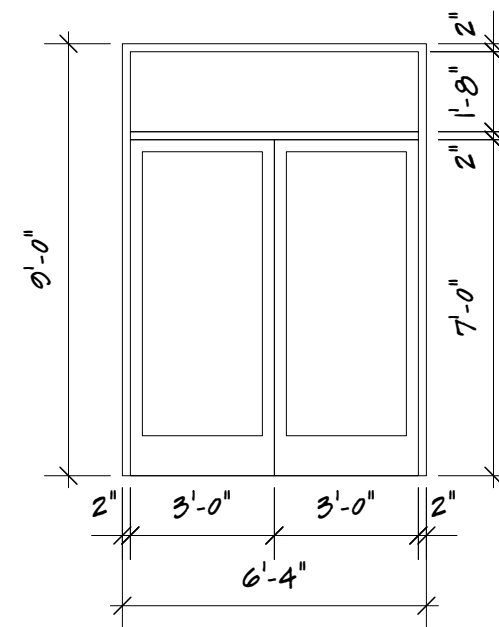
3 TYP. INT. HEAD/JAMB DETAIL
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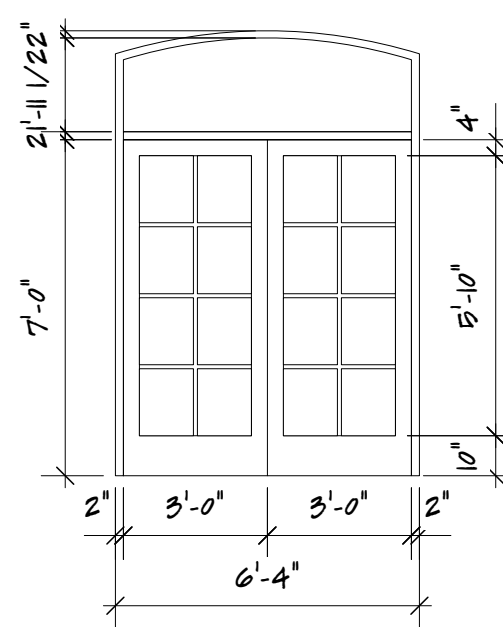
2 DOOR III JAMB DETAIL
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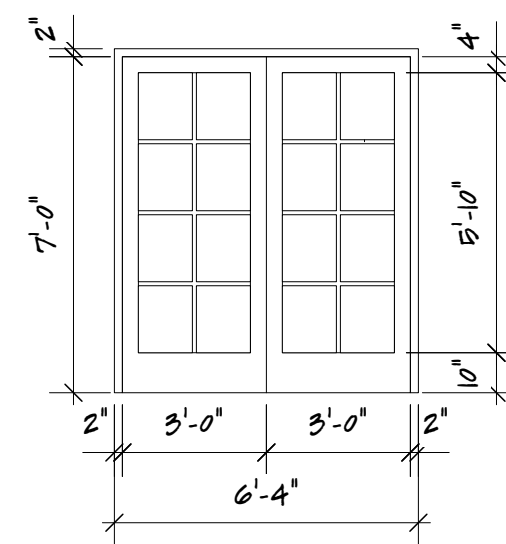
1 DOOR 110 JAMB DETAIL
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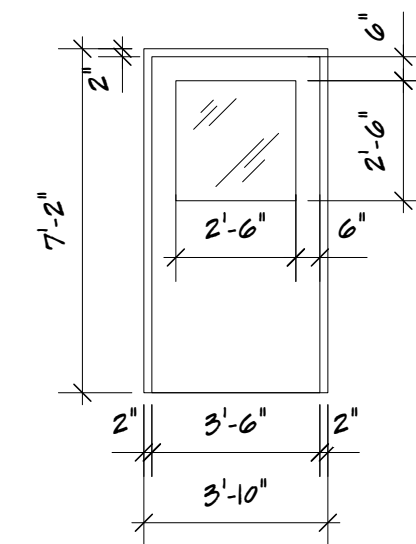
DOOR TYPE E



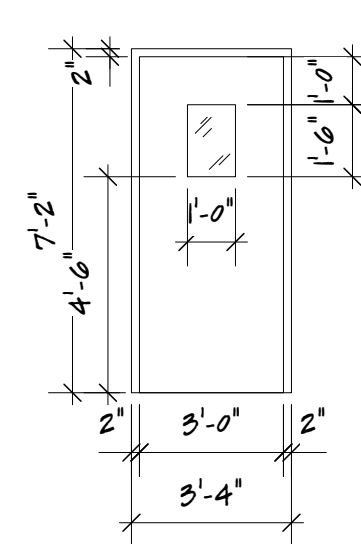
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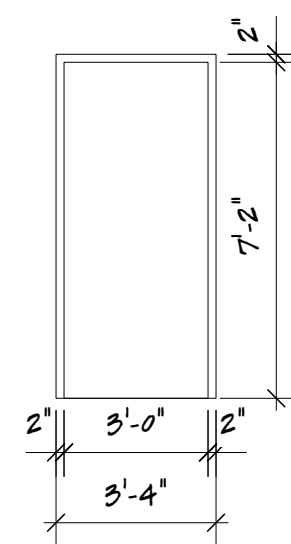
DOOR TYPE D



DOOR TYPE C



DOOR TYPE B



DOOR TYPE A

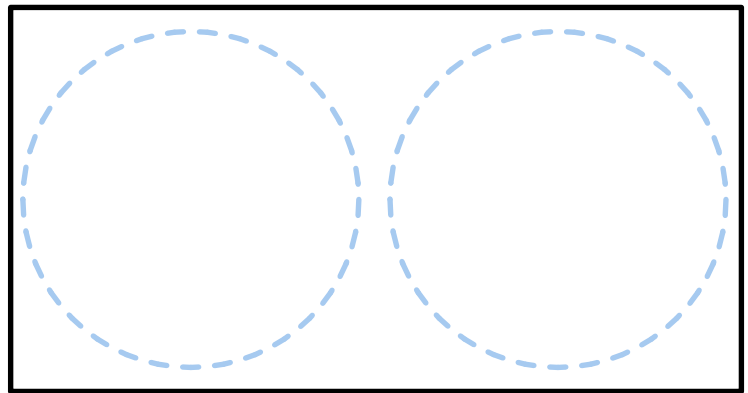
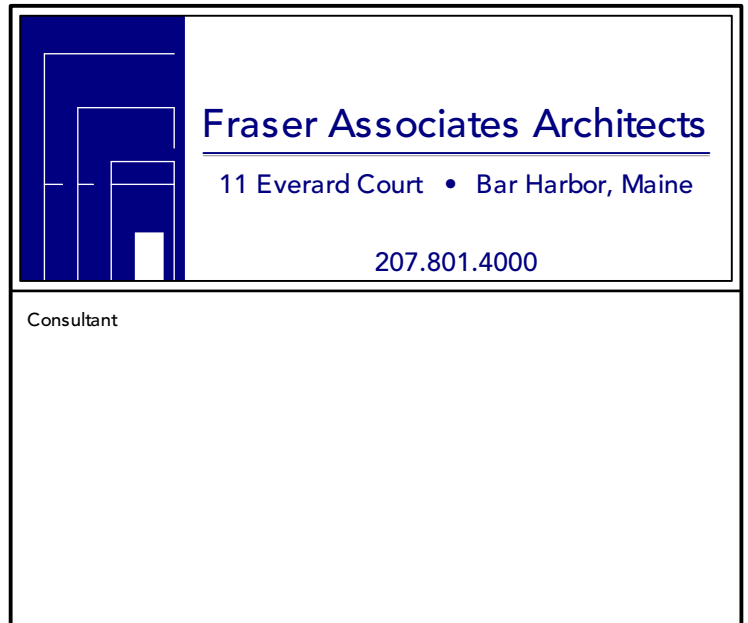
DOOR NOTES

1. ALL INTERIOR DOOR DBE
SOLID CORE PARTICLE BOARD W/ PLAIN SLICED WHITE OAK VENEER. STANDARD STAIN TO BE SELECTED BY ARCHITECT.
2. EXTERIOR DOOR & FRAME TO BE ALL WELDED CONSTRUCTION, HEAVY-DUTY GALVANIZED.
3. ALL DOORS TO BE REINFORCED FOR HARDWARE AS REQUIRED.
4. COORDINATE ELECTRICAL STRIKES/LOCKSETS AS REQUIRED.

Project Title WASHINGTON ACADEMY COMMUNITY COLLEGE NEW CAFETERIA 66 Cutler Rd. East Machias, ME 04630	
Sheet Title DOOR SCHEDULE	

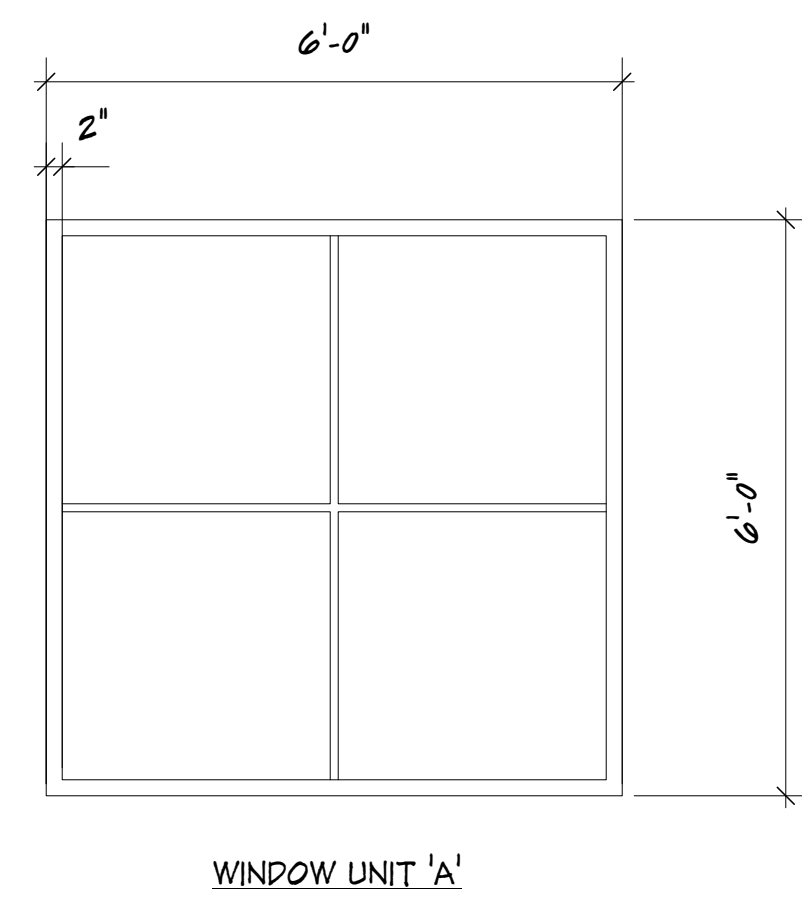
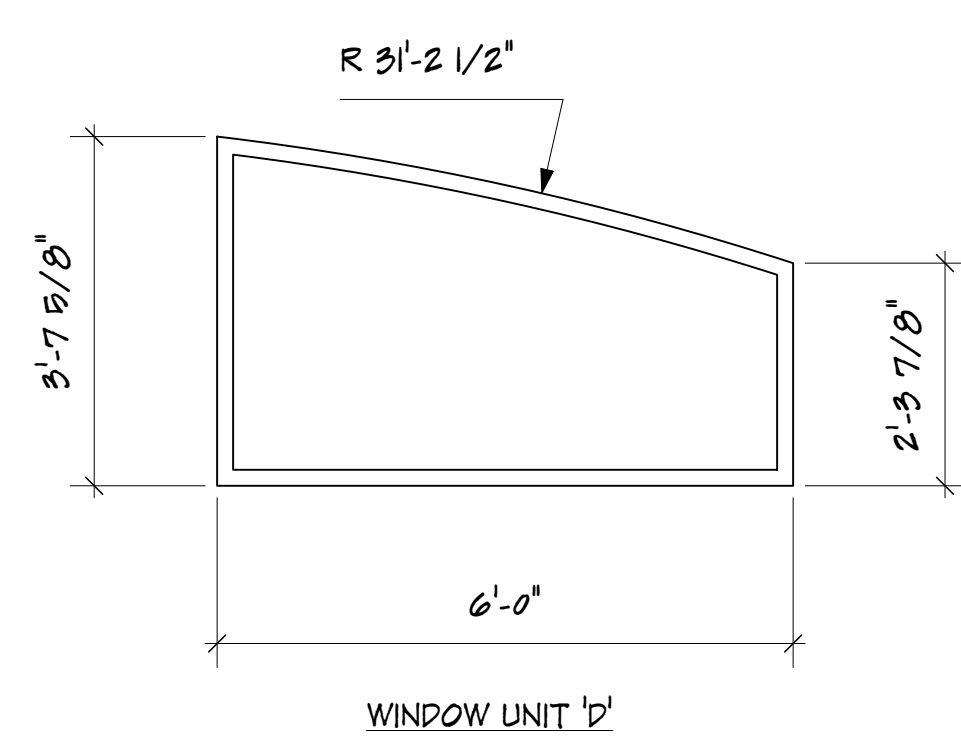
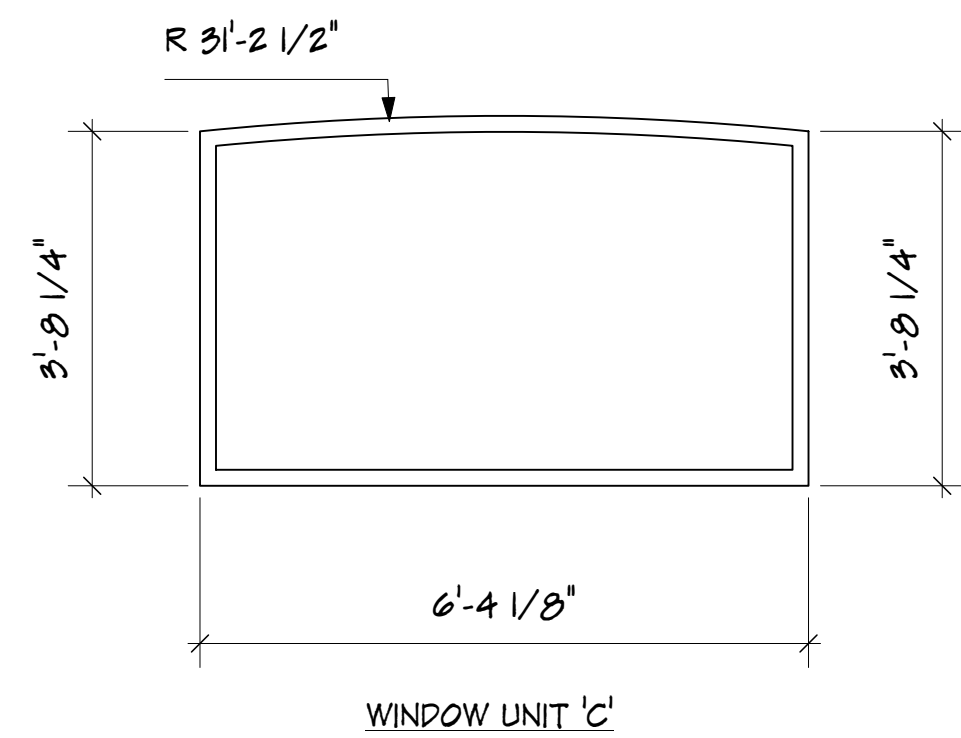
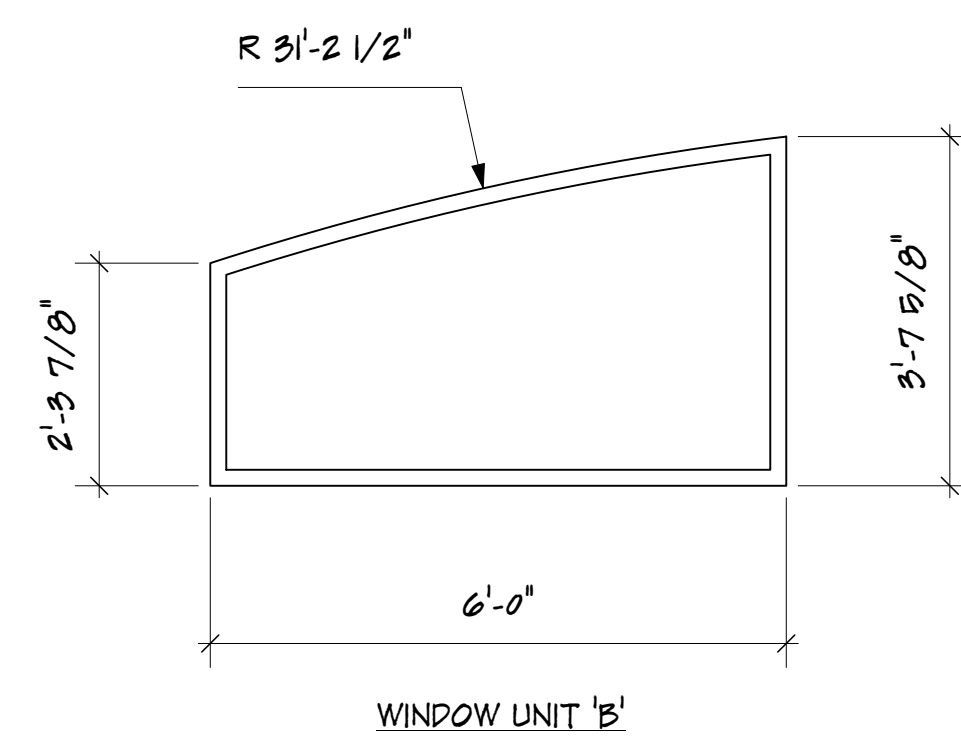
Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, G.J.LL	Scale AS SHOWN
Reviewed By GSF	Sheet No. A600 of 36
Date 6/24/2026	
CAD File Name	

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Project Title
WASHINGTON ACADEMY COMMUNITY COLLEGE NEW CAFETERIA 66 Cutler Rd. East Machias, ME 04630
Sheet Title
WINDOW SCHEDULE

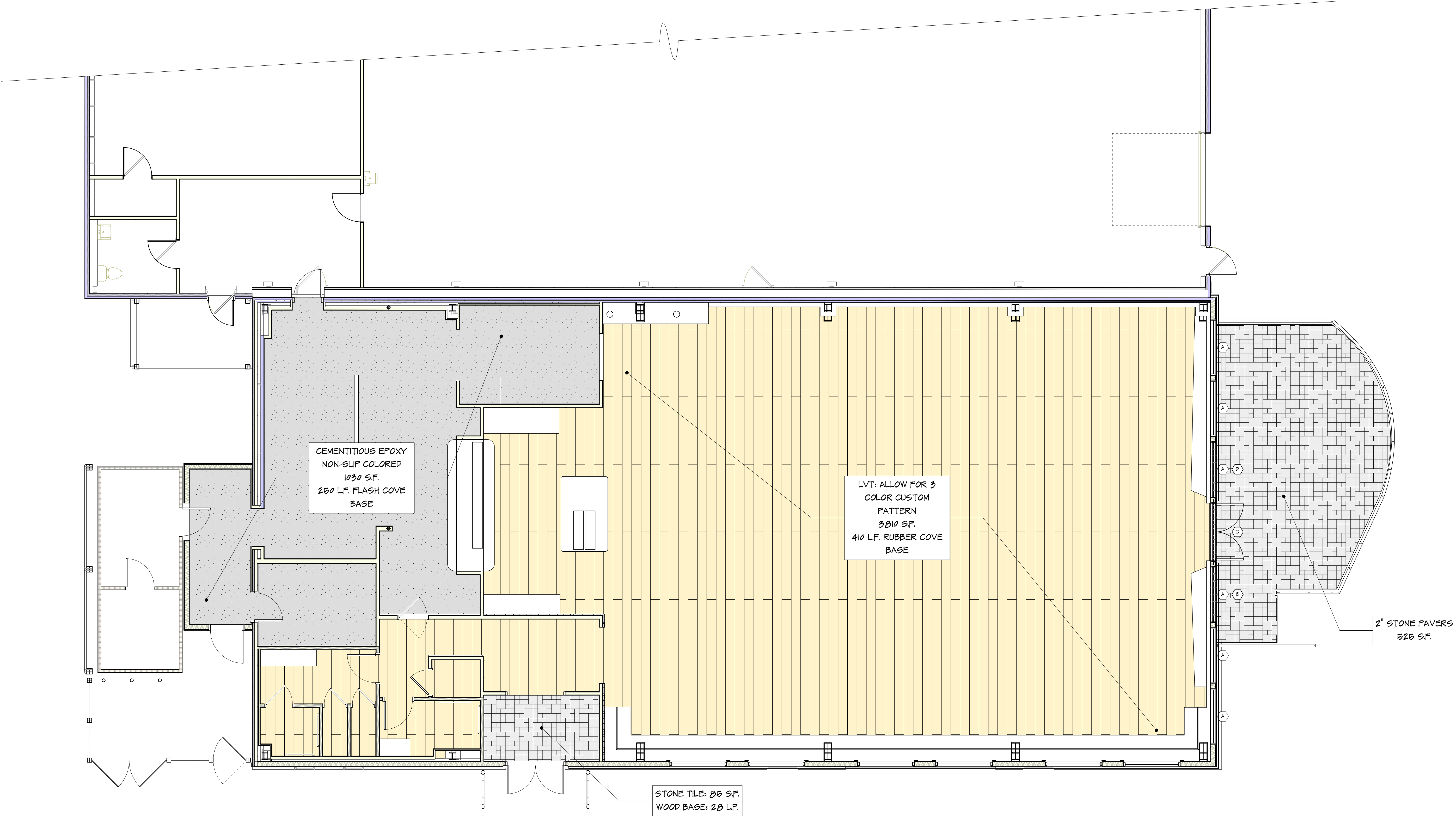
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Drawn By GSF, GJ.LL	Scale AS SHOWN
Reviewed By GSF	Sheet No. A601 _____ of _____ 36
Date 6/24/2026	
CAD File Name	



Window Schedule												
	Nominal Size		Window Style	Glass	Frame Details			Openings		Window Data		
	Unit	Width	Unit	Height		Head Detail	Unit	Detail	Unit	Detail	Unit	Detail
Mark	Unit	Width	Unit	Height	Configuration	Head Detail	Unit	Detail	Unit	Detail	Mfr	Model No.
A	6'0"	3'7 5/8"	Fixed Glass		T.S.D.	T.S.D.	T.S.D.	6'0 1/2"	3'0 1/2"	TUBULITE		T14000 OR EQ.
B	6'0"	3'7 5/8"	Fixed Glass		T.S.D.	T.S.D.	T.S.D.	6'0 1/2"	3'0 1/2"	TUBULITE		T14000 OR EQ.
C	6'4 1/8"	3'0 1/4"	Fixed Glass		T.S.D.	T.S.D.	T.S.D.	6'4 5/8"	3'0 3/4"	TUBULITE		T14000 OR EQ.
D	6'0"	3'7 5/8"	Fixed Glass		T.S.D.	T.S.D.	T.S.D.	6'0 1/2"	3'0 1/2"	TUBULITE		T14000 OR EQ.

ROOM FINISH SCHEDULE																
ROOM	CEILING		FLOOR			NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		COUNTER	CABINET	REMARKS
	Material	Finish	Material	Finish	Base	Material	Finish	Material	Finish	Material	Finish	Material	Finish			
AIRLOCK	East	PTD Flat Blak	FT	Fast TBD	FT	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	-	-	
HALL	GWB	PTD	LVT	Fast TBD	Painted Wood	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	-	-	
DINING	Shag, Panels/Ass Blades	White Palmu/TBD	LVT	Factory/ 3 color pattern	Painted Wood	GWB	PTD	GWB	PTD	GWB	PTD	GWB/Glt Stone	PTD	Epoxy Qt's	FLam	See RCP & Interior Elevations
SERVING	1x6 T&G Pine	Clear	LVT	Factory/ 3 color pattern	Painted Wood	GWB	PTD	-	-	Clt Stone	Factory	GWB	PTD	Epoxy Qt's	FLam	See Interior Elevations
JANITOR	GWB	PTD	LVT	Fast TBD	Resilient covr	MRGWB	EP, PTD	MRGWB	EP, PTD	MRGWB	EP, PTD	MRGWB	EP, PTD	-	-	
MENS	GWB	PTD	LVT	Fast TBD	Resilient covr	FT	TBD	FT	TBD	FT	TBD	FT	TBD	Epoxy Qt's	FLam	See Interior Elevations
WOMENS	GWB	PTD	LVT	Fast TBD	Resilient covr	VVC	TBD	VVC	TBD	VVC	TBD	VVC	TBD	Epoxy Qt's	FLam	See Interior Elevations
WOMENS STALLS	GWB	PTD	LVT	Fast TBD	FT	FT	TBD	FT	TBD	FT	TBD	FT	TBD	-	-	
KITCHEN	GWB	EP, PTD	Epoxy	TBD	Epoxy Flash Cove	GRFP	Fast TBD	GRFP	Fast TBD	GRFP	Fast TBD	STNLS STL*	Factory	Epoxy Qt's	FLam	*Backplash by Hood Supplier
DISHWASH	GWB	EP, PTD	Epoxy	TBD	Epoxy Flash Cove	GRFP	Fast TBD	GRFP	Fast TBD	GRFP	Fast TBD	GRFP	Fast TBD	-	-	
DRY STORAGE	GWB	EP, PTD	Epoxy	TBD	Epoxy Flash Cove	IRGWB	PTD	IRGWB	PTD	IRGWB	PTD	IRGWB	PTD	-	-	
VESTIBULE	GWB	EP, PTD	Epoxy	TBD	Epoxy Flash Cove	IRGWB	PTD	IRGWB	PTD	IRGWB	PTD	IRGWB	PTD	FLam	FLam	
ABBREVIATIONS: EP, PTD=Epoxy Painted, GWB=Gypsum Wall Board, MRGWB=Moisture Resistant GWB, IRGWB=Impact Resistant GWB, LVT=Luxury Vinyl Tile, FLam=Plastic Laminate, FT=Porcelain Tile, VVC=Vinyl Wall Covering, TBD=To Be Determined.																

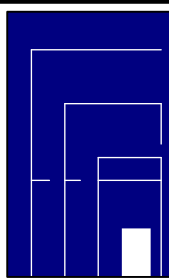
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1 FLOOR FINISH PLAN
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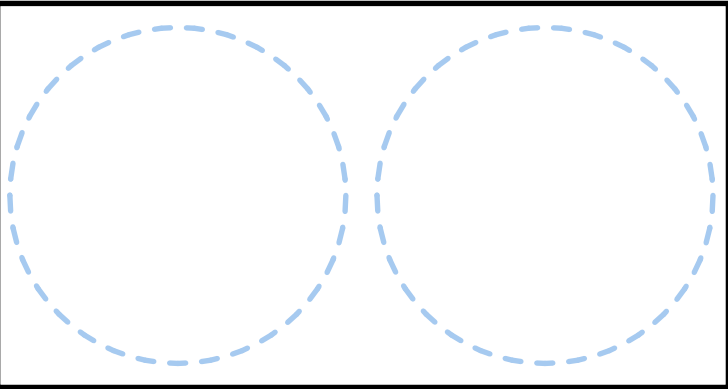
No.	Date	Appr	Revision Notes

No.	Date	Issue Notes



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Project Title

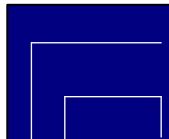
**WASHINGTON ACADEMY
COMMUNITY COLLEGE
NEW CAFETERIA**
66 Cutler Rd.
East Machias, ME 04630

Sheet Title

FINISH & FLOORING PLAN

Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale 3/16" = 1'-0"
Reviewed By GSF	Sheet No.
Date 6/24/2026	F100 _____ of _____ 36
CAD File Name	

FOR PERMIT - 06/24/2026

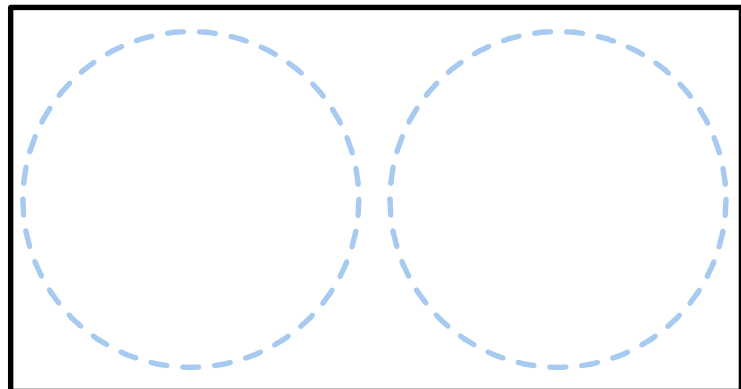
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Fraser Associates Architects

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207.801.4000

Consultant



Project Title

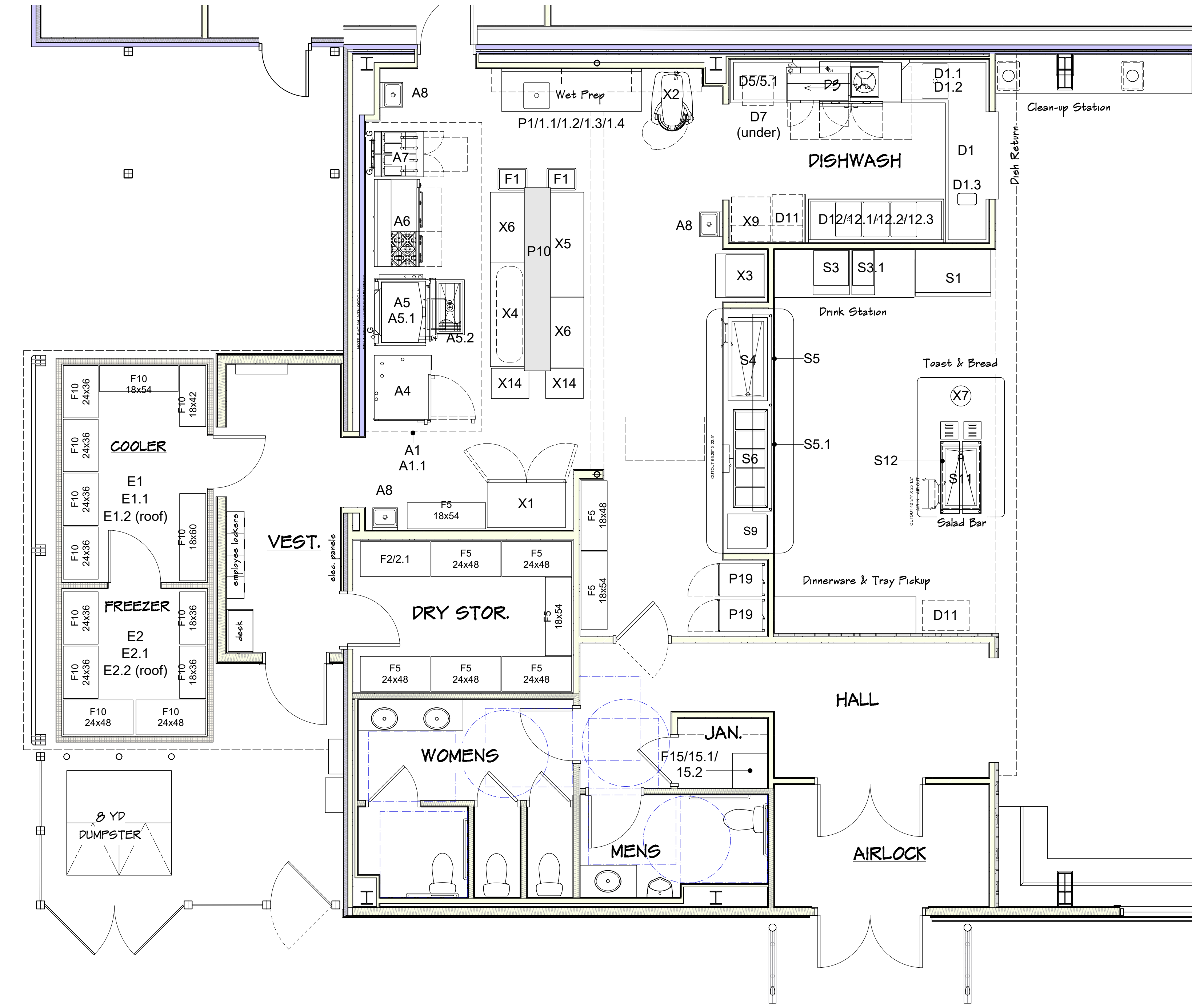
WASHINGTON ACADEMY
COMMUNITY COLLEGE
NEW CAFETERIA
66 Cutler Rd.
East Machias, ME 04630

Sheet Title

KITCHEN EQUIPMENT PLAN

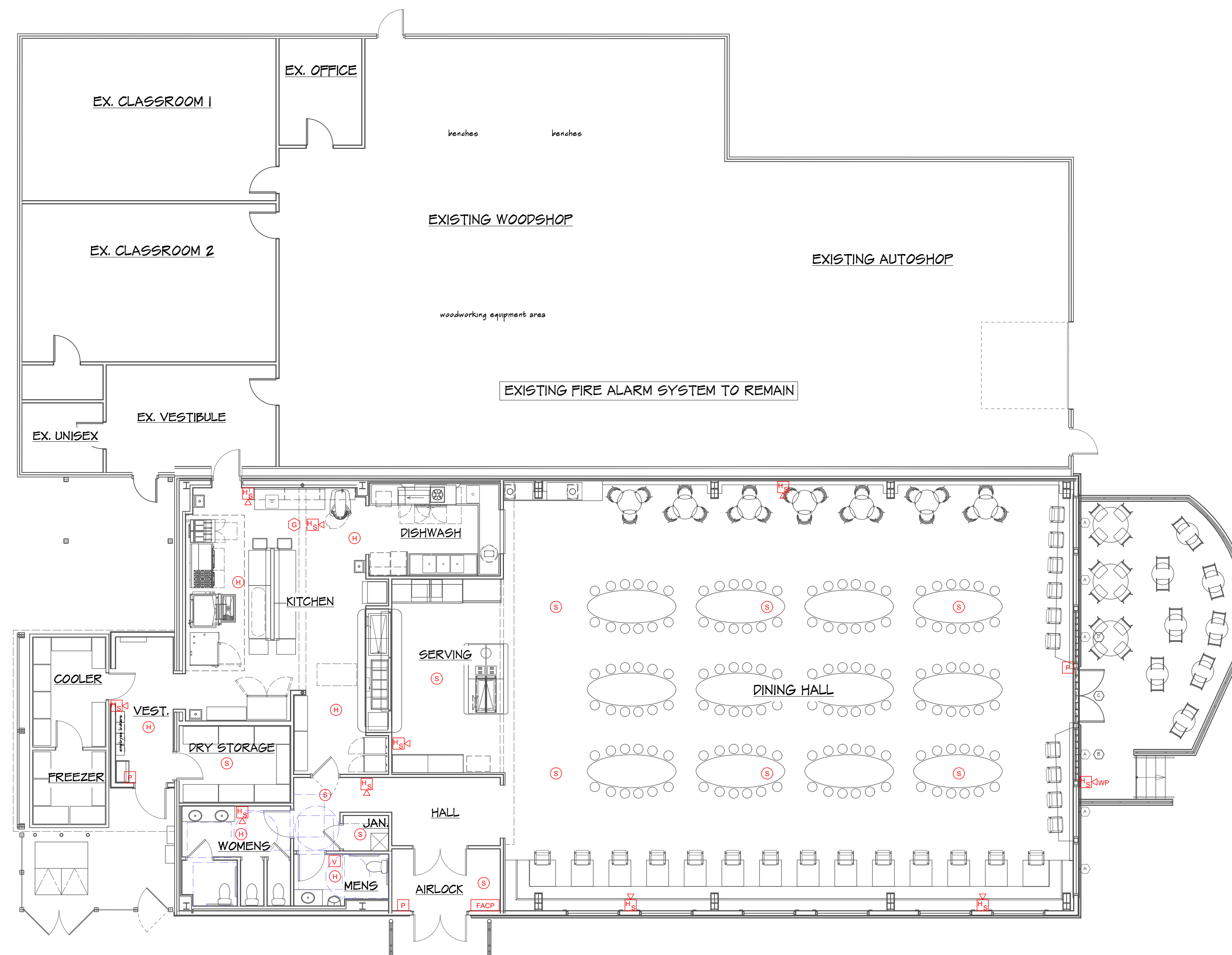
Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale 1/4" = 1'-0"
Reviewed By GSF	Sheet No. KE100 <i>of</i> 36
Date 6/24/2026	
CAD File Name	

KITCHEN EQUIPMENT SCHEDULE		
TAG	ITEM	REMARKS
A1	EXHAUST HOOD	
A1.1	FIRE SUPPRESSION	
A4	COMBI OVEN	
A4.1	WATER FILTRATION SYSTEM	
A5	TILTING SKILLET BRAISING PAN	
A5.1	FAUCET, WITH SPRAY HOSE	
A5.2	FLOOR TROUGH	
A6	RANGE, 60", 4 BURNERS, 36" GRIDDLE	
A7	FRYER, GAS	
A8	HAND SINK	3 REQUIRED
X6	EXISTING 30X48 WORK TABLE	
D1	SOIL DROP TABLE,	
D1.1	PRE RINSE SINK	
D1.2	PRE-RINSE FAUCET ASSEMBLY	
D1.3	TRASH RECEPTACLE	
D3	VENTLESS DISHWASHER	
D5	CLEAN DISHTABLE	
D5.1	DISHTABLE SORTING SHELF	
D7	RACK DOLLY	
X9	EXISTING DISH CART / DOLLY	
D11	FLATWARE & TRAY CART	2 REQ'D
D12	THREE COMPARTMENT SINK	
D12.1	PRE-RINSE FAUCET ASSEMBLY, W/ ADD ON FAUCET	
D12.2	DRAIN, LEVER / TWIST WASTE	3 REQ'D
D12.3	DISHTABLE SORTING SHELF	2 REQ'D
E1	WALK-IN COOLER, REMOTE	
E1.1	WALK-IN COOLER EVAP	
E1.2	WALK-IN COOLER CONDENSER	
E2	WALK-IN FREEZER, REMOTE	
E2.1	WALK-IN FREEZER, EVAP	
E2.2	WALK-IN FREEZER, CONDENSER	
F1	TRASH RECEPTACLE, INDOOR	2 REQ'D
F1.1	TRASH RECEPTACLE, INDOOR ROUND	1 REQ'D
F5	SHELVING, WIRE, CHROME	LOT
F10	SHELVING, WIRE, EPOXY COATED	LOT
F15	MOP SINK	
F15.1	SERVICE FAUCET	
F15.2	MOP BROOM HOLDER	
P1	WORK TABLE, 108", STAINLESS STEEL TOP	
P1.1	SINK BOWL, WELD-IN / UNDERMOUNT	
P1.2	DECK MOUNT FAUCET	
P1.3	DRAIN, LEVER / TWIST WASTE	
P1.4	SHELVING, WALL MOUNTED	
P10	PASS-THRU SHELF	
X14	BUN / SHEET PAN RACK	
X19	HEATED HOLDING CABINET	
S1	DISPLAY CASE, REFRIGERATED, SELF-SERVE	
S3	SODA DISPENSER - VENDOR	
S3.1	JUICE DISPENSER - VENDOR	
S4	COLD FOOD WELL UNIT, DROP-IN, REFRIGERATED	
S5	SNEEZE GUARD, STATIONARY	
S5.1	SNEEZE GUARD, STATIONARY	
S6	HOT FOOD WELL UNIT, DROP-IN, ELECTRIC	
S9	DISPLAY CASE, HOT FOOD, COUNTERTOP	
S11	COLD FOOD WELL UNIT, DROP-IN, REFRIGERATED	
S12	SNEEZE GUARD, STATIONARY	
X1	REACH-IN REFRIGERATOR	
X2	PLANETARY MIXER	
X3	ICE MACHINE	
X4	72" WOOD TOP WORK-TABLE W/POT RACK	
X5	72" STAINLESS STEEL WORK-TABLE	
X6	48" STAINLESS STEEL WORK-TABLE	
X7	RICE COOKER	



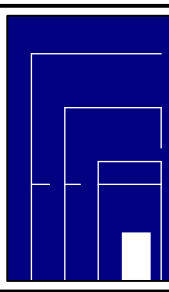
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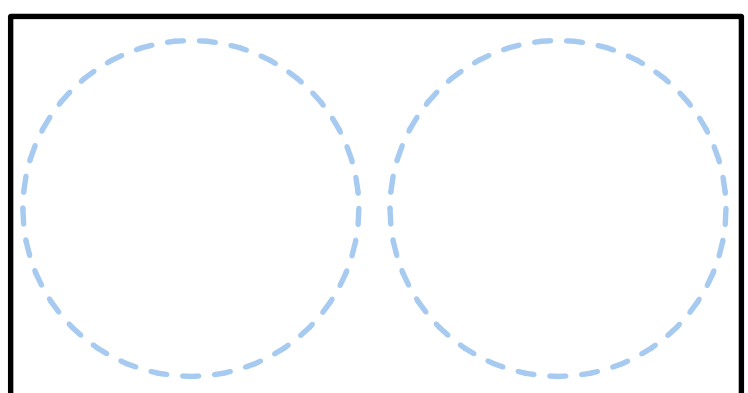
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1 FIRE ALARM PLAN
Scale: 1/8" = 1'-0"

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	<u>Fraser Associates Architects</u> 11 Everard Court • Bar Harbor, Maine 207.801.4000 Consultant
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Project Title

WASHINGTON ACADEMY
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NEW CAFETERIA
66 Cutler Rd.
East Machias, ME 04630

Sheet Title

FIRE ALARM PLAN

Project Manager G.S. Fraser	Project ID FAA 0252026
Drawn By GSF, GJ.LL	Scale 1/8" = 1'-0"
Reviewed By GSF	Sheet No. FA100 _____ of _____ 36
Date 6/24/2026	
CAD File Name	

HVAC BASIS OF DESIGN

BUILDING CODES AND STANDARDS

MECHANICAL SYSTEMS ARE DESIGNED TO MEET THE 2021 INTERNATIONAL BUILDING CODE, 2021 INTERNATIONAL MECHANICAL CODE, 2019 ASHRAE 62.1 & 2018 INTERNATIONAL ENERGY CONSERVATION CODE AS ADOPTED AND AMENDED BY THE STATE OF MAINE.

PROJECT DESCRIPTION

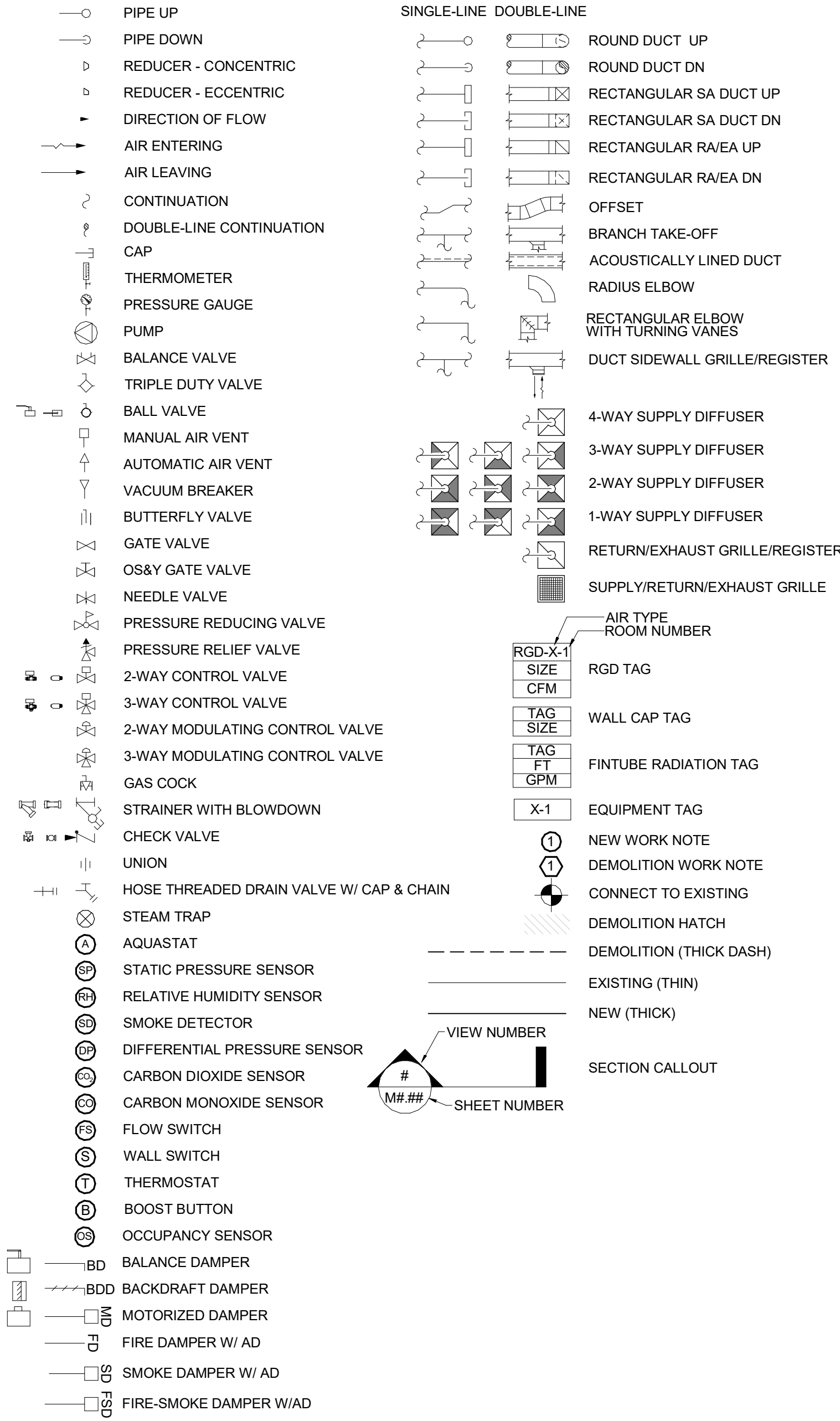
THE WASHINGTON ACADEMY PROJECT CONSISTS OF MECHANICAL SYSTEM UPGRADES TO SUPPORT BUILDING HEATING, VENTILATION, AND KITCHEN OPERATIONS. THE SCOPE OF WORK INCLUDES THE INSTALLATION OF A NEW BOILER PLANT TO PROVIDE HEATING THROUGHOUT THE FACILITY.

NEW ROOFTOP HVAC EQUIPMENT WILL BE PROVIDED, INCLUDING A ROOFTOP UNIT FOR GENERAL BUILDING VENTILATION AND AN AIR CONDITIONING UNIT DEDICATED TO THE KITCHEN AREA. A NEW COMMERCIAL KITCHEN HOOD AND EXHAUST SYSTEM WILL BE INSTALLED TO SERVE KITCHEN EQUIPMENT, ALONG WITH A CORRESPONDING MAKE-UP AIR UNIT TO MAINTAIN PROPER AIR BALANCE.

ADDITIONAL WORK INCLUDES THE INSTALLATION OF NEW EXHAUST SYSTEMS FOR WASHROOMS TO ENSURE ADEQUATE VENTILATION AND INDOOR AIR QUALITY.

ALL SYSTEMS ARE DESIGNED TO MEET APPLICABLE CODES AND STANDARDS WHILE PROVIDING RELIABLE AND EFFICIENT OPERATION FOR THE FACILITY.

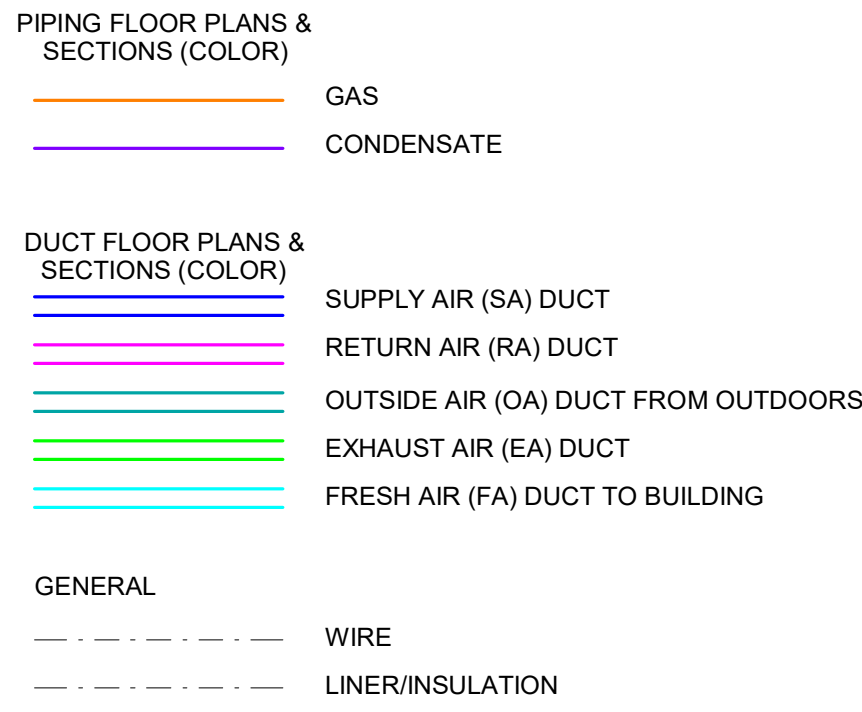
HVAC LEGEND



HVAC ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	N/A	NOT APPLICABLE
AD	ACCESS DOOR	NC	NOISE CRITERIA
ADA	AMERICANS WITH DISABILITIES ACT	NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR	NOM	NOMINAL
AFG	ABOVE FINISHED GRADE	NTS	NOT TO SCALE
AHU	AUTHORITY HAVING JURISDICTION	OA	OUTSIDE AIR
AHL	AIR HANDLING UNIT	OAT	OUTSIDE AIR TEMPERATURE
AL	ACOUSTIC LINING	OAI	OUTSIDE AIR INTAKE
ALT	ALTERNATE	QBD	OPPOSED BLADE DAMPER
AP	ACCESS PANEL	OC	ON CENTER
APD	AIR PRESSURE DROP	OD	OUTSIDE DIAMETER
ARCH	ARCHITECT	ODP	OPEN DROP PROOF
AS	AIR SEPARATOR	OED	OPEN END DUCT
ASHP	AIR SOURCE HEAT PUMP	OFCI	OWNER FURN CONTRACTOR INSTALLED
		OFOI	OWNER FURN OWNER INSTALLED
		OV	OUTLET VELOCITY
BDD	BACKDRAFT DAMPER	P	PUMP
BFF	BELOW FINISHED FLOOR	PC	PLUMBING CONTRACTOR/PUMPED CONDEN.
BHP	BREAK HORSEPOWER	PCW	PREHEATED COLD WATER
BLDG	BUILDING	PD	PRESSURE DROP
BLV	BALANCE VALVE	PEX	CROSS-LINKED POLYETHYLENE
BMS	BUILDING MANAGEMENT SYSTEM	PH	PHASE
BOD	BOTTOM OF DUCT	PHC	PREHEAT COIL
BSMT	BASEMENT	PHX	PLATE HEAT EXCHANGER
BT	BUFFER TANK	PLBG	PLUMBING
BTU	BRITISH THERMAL UNIT	PRM	PRIMARY
BTUH	BRITISH THERMAL UNIT PER HOUR	PSI	POUNDS PER SQUARE INCH
BV	BALL VALVE	PSID	POUNDS PER SQUARE INCH DIFFERENTIAL
		PSIG	POUNDS PER SQUARE INCH GAUGE
C	CONDENSATE	PUH	PROPELLER UNIT HEATER
CA	COMBUSTION AIR	PVC	POLYVINYL CHLORIDE
CFI	CONTRACTOR FURN AND INSTALLED	QTY	QUANTITY
CFM	CUBIC FEET PER MINUTE		
CLG	CEILING		
CONT	CONTINUATION		
DCW	DOMESTIC COLD WATER	RA	RETURN AIR
DHUM	DEHUMIDIFIER	RET	RETURN
DHW	DOMESTIC HOT WATER	REQ	REQUIRED/REQUIREMENTS
DHWH	DOMESTIC HOT WATER HEATER	RF	RETURN FAN
DHWR	DOMESTIC HOT WATER RETURN	RH	RELATIVE HUMIDITY/REHEAT
DHWST	DHW STORAGE TANK	RHC	REHEAT COIL
DA	DIAMETER	RHP	RADIANT HEATING PANEL
DIM	DIMENSION	RL	REFRIGERANT LIQUID
DN	DOWN	RLF	RELIEF
DWG	DRAWINGS	RM	ROOM
DWH	DOMESTIC HOT WATER	RPM	REVOLUTIONS PER MINUTE
		RR	RETURN REGISTER
EA	EACH / EXHAUST AIR	RS	REFRIGERANT SUCTION
EAT	ENTERING AIR TEMPERATURE		
EC	ELECTRICAL CONTRACTOR / ELECTRIC COIL	S	STEAM
EF	EXHAUST FAN	SA	SUPPLY AIR
EFF	EFFICIENCY	SATT	SOUND ATTENUATOR
EG	EXHAUST GRILLE	SEN	SENSIBLE
ELEC	ELECTRICAL	SF	SQUARE FEET / SUPPLY FAN
EMS	ENERGY MANAGEMENT SYSTEM	SG	SUPPLY GRILLE
EQUIP	EQUIPMENT	SP	STATIC PRESSURE
ER	EXHAUST REGISTER	SPEC	SPECIFICATIONS
ERV	ENERGY RECOVERY VENTILATOR	SOO	SEQUENCES OF OPERATION
ESP	EXTERNAL STATIC PRESSURE	SQ	SQUARE
ET	EXPANSION TANK	SR	SUPPLY REGISTER
		S.S.	STAINLESS STEEL
FA	FREE AREA / FRESH AIR	ST	STEAM TRAP
FC	FLEXIBLE CONNECTOR	STD	STANDARD
FCU	FANCOIL UNIT	SUCT	SUCTION
FD	FLOOR DRAIN / FIRE DAMPER	SUP	SUPPLY
FL	FLOOR		
FLEX	FLEXIBLE	TA	THROW-AWAY
FPM	FEET PER MINUTE	TAV	THERMOSTATIC AIR VENT
FT	FEET	TE	TOILET EXHAUST
		TEFC	TOTALLY ENCLOSED FAN COOLED
GALV	GALVANIZED	TEMP	TEMPERATURE
GC	GENERAL CONTRACTOR	TDH	TOTAL DYNAMIC HEAD
GRD	GRADE	TD	TOP OF DUCT
GSHP	GROUND SOURCE HEAT PUMP	TOP	TOP OF PIPE
		TR	TRANSFER
HGT	HEIGHT	TSP	TOTAL STATIC PRESSURE
HP	HORSEPOWER	TYP	TYPICAL
HPS	HEAT PUMP SUPPLY		
HPR	HEAT PUMP RETURN	UH	UNIT HEATER
HR	HOUR	UV	UNIT VENTILATOR
HW	HOT WATER		
HWR	HOT WATER RETURN	V	VENT
HWS	HOT WATER SUPPLY	VEL	VELOCITY
HWUH	HOT WATER UNIT HEATER	VERT	VERTICAL
HX	HEAT EXCHANGER	VFD	VARIABLE FREQUENCY DRIVE
HZ	HERTZ	VIF	VERIFY IN FIELD
H2O	WATER	VOL	VOLUME
		VD	VOLUME DAMPER
IDHW	INDIRECT DOMESTIC HW HEATER		
IN	INCHES	W	WIDTH
INSUL	INSULATION	WB	WET BULB
		WC	WATER COLUMN
KW	KILOWATT	WCC	WATER COOLED CONDENSER
		WCCU	WATER COOLED CONDENSING UNIT
L	LENGTH	WG	WATER GAUGE
LAT	LEAVING AIR TEMPERATURE	WMS	WIRE MESH SCREEN
LB	POUND	WPD	WATER PRESSURE DROP
LVG	LEAVING	WRT	WITH RESPECT TO
LWT	LEAVING WATER TEMPERATURE	WSHP	WATER SOURCE HEAT PUMP
MAV	MANUAL AIR VENT	Ø	DIAMETER
MAX	MAXIMUM		
MBH	BTU PER HOUR X 1000		
MC	MECHANICAL CONTRACTOR		
MCA	MINIMUM CIRCUIT AMPS		
MECH	MECHANICAL		
MEZZ	MEZZANINE		
MFG	MANUFACTURER		
MIN	MINIMUM		
MM	MILLIMETER		
MTD	MOUNTED		
MTR	MOTOR		
MW	MAKEUP WATER		

HVAC LINETYPES



WASHINGTON
ACADEMY NEW
CAFETERIA

66 CUTLER RD
EAST MACHIAS, ME 04630

CONSTRUCTION
DOCUMENTS
04/03/2026

REVISIONS		
#	Date	Description

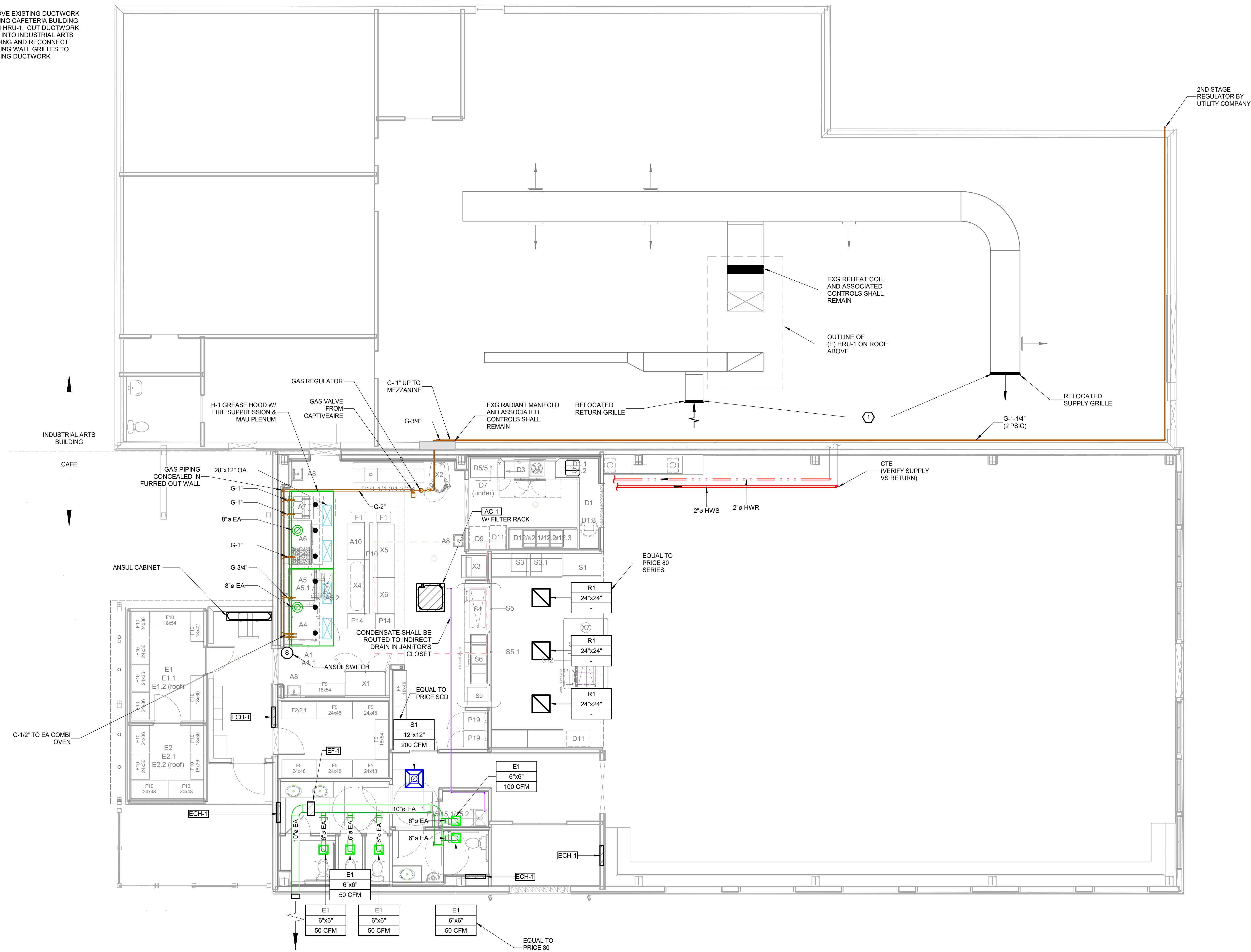
Project Number:	AEC2601
Scale:	NTS
Designed By:	Designer
Drawn By:	Author
Checked By:	Checker
Date:	04/03/2026

MECHANICAL BASIS
OF DESIGN, LEGEND &
ABBREVIATIONS

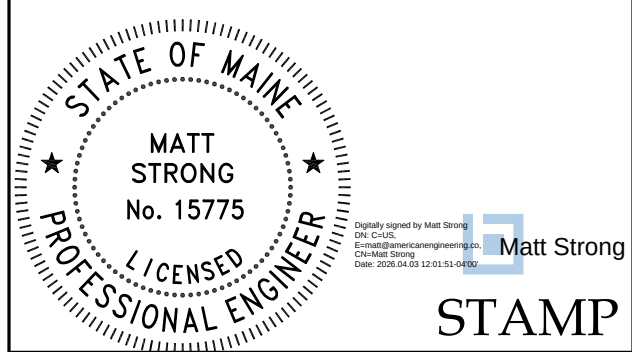
M0.0

HVAC SHEET LIST	
SHEET NUMBER	SHEET NAME
M0.0	MECHANICAL BASIS OF DESIGN, LEGEND & ABBREVIATIONS
M1.1	MECHANICAL FIRST FLOOR PLAN
M1.2	MECHANICAL MEZZANINE PLAN
M1.3	MECHANICAL ROOF PLAN
M3.0	MECHANICAL DETAILS
M3.1	MECHANICAL ELEVATIONS
M4.0	MECHANICAL SCHEDULES

① REMOVE EXISTING DUCTWORK
FEEDING CAFETERIA BUILDING
FROM HRU-1. CUT DUCTWORK
BACK INTO INDUSTRIAL ARTS
BUILDING AND RECONNECT
EXISTING WALL GRILLES TO
EXISTING DUCTWORK



① M1.1 - HVAC FIRST FLOOR PLAN
3/16" = 1'-0"



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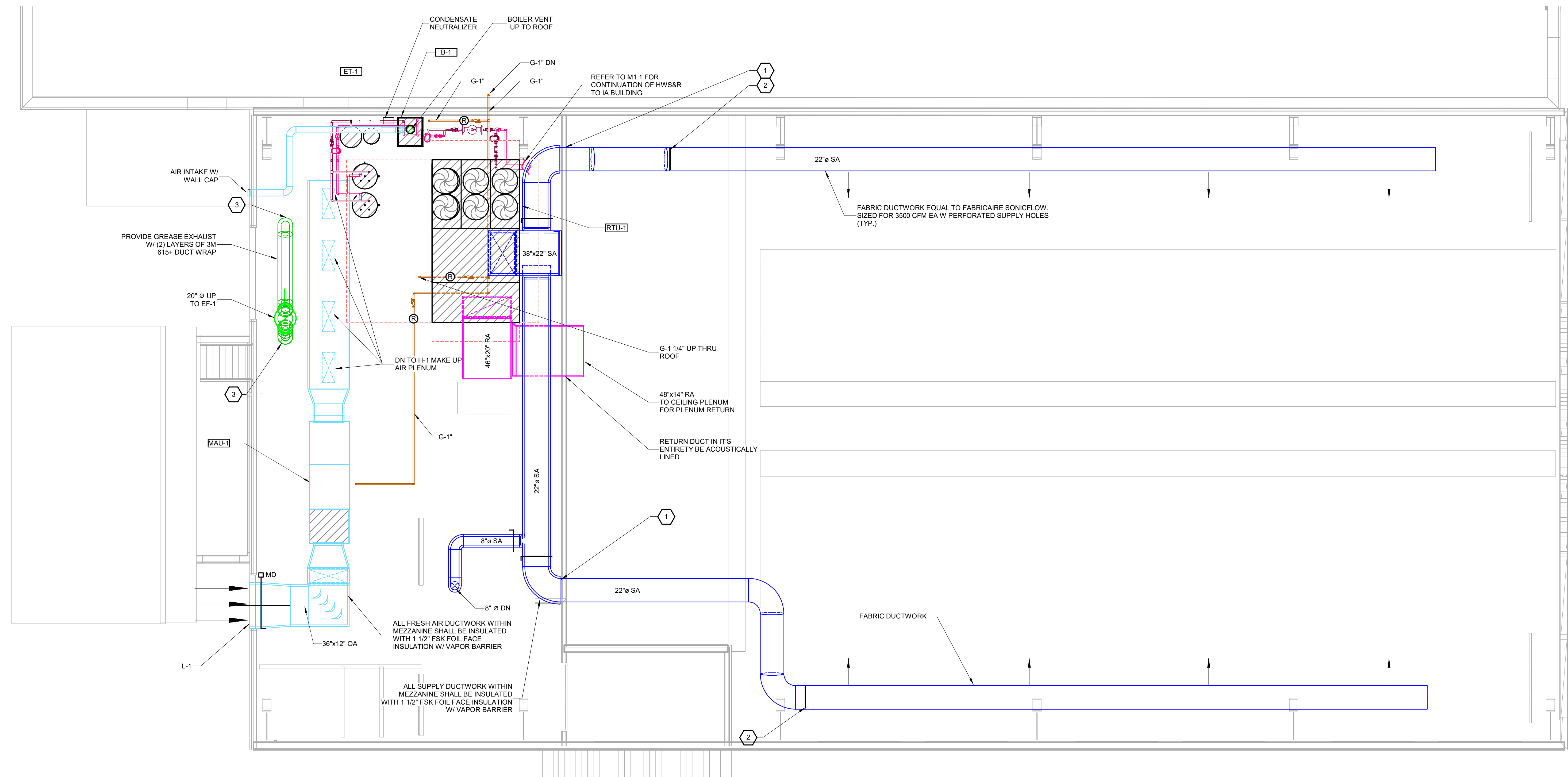
REVISIONS		
#	Date	Description

Project Number: AEC2601
Scale: 3/16" = 1'-0"
Designed By: MS
Drawn By: CJG
Checked By: MS
Date: 04/03/2026

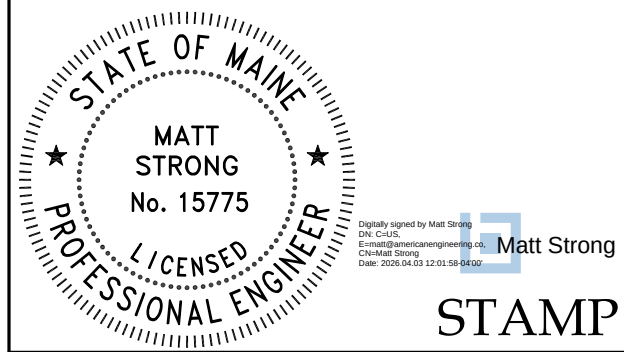
**MECHANICAL FIRST
FLOOR PLAN**

M1.1

- 1 PROVIDE DUCT ESCUTCHEON WHERE RIGID 22" Ø DUCTS PENETRATE WALL
- 2 TRANSITION FROM RIGID DUCTWORK TO DUCT SOX - SEE ATTACHED DUCT SOX DETAIL
- 3 SUGGESTED GREASE DUCT ACCESS PANEL LOCATIONS



1 M1.2 - MECHANICAL MEZZANINE PLAN
1/4" = 1'-0"



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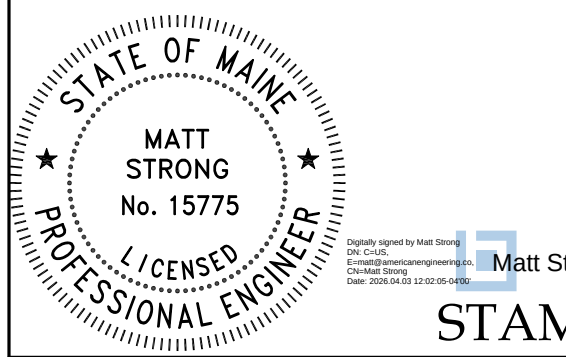
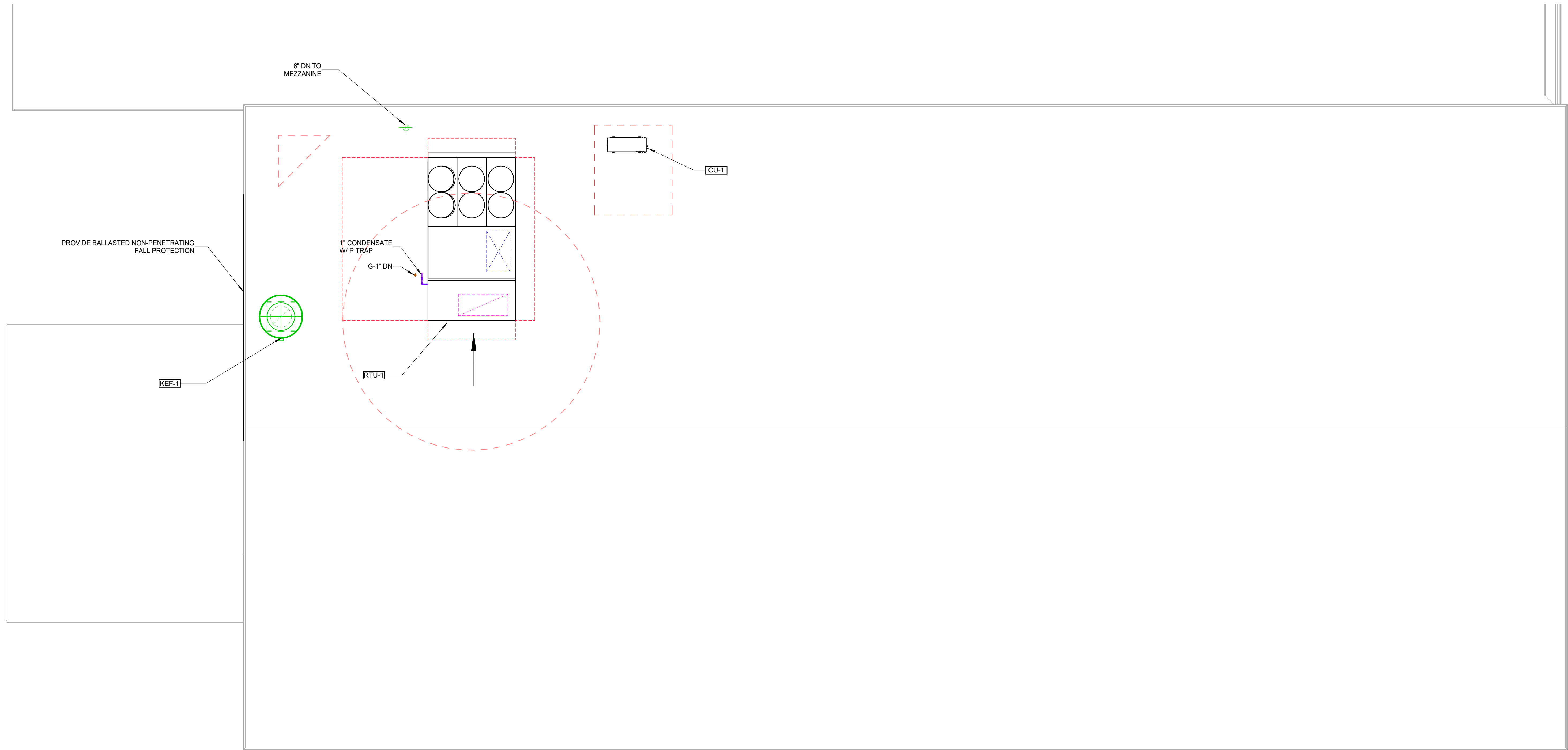
**CONSTRUCTION
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**MECHANICAL
MEZZANINE PLAN**

M1.2



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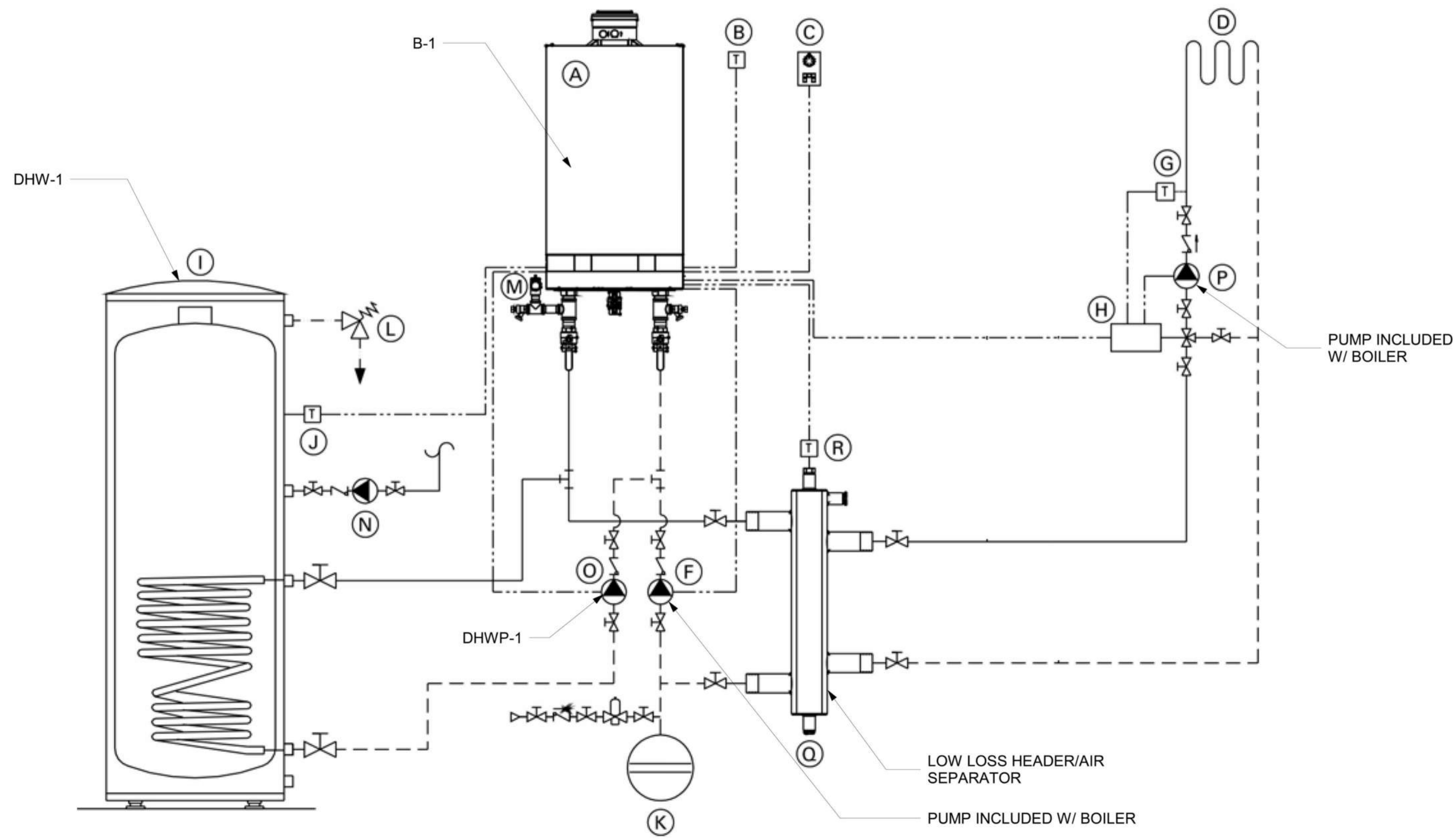
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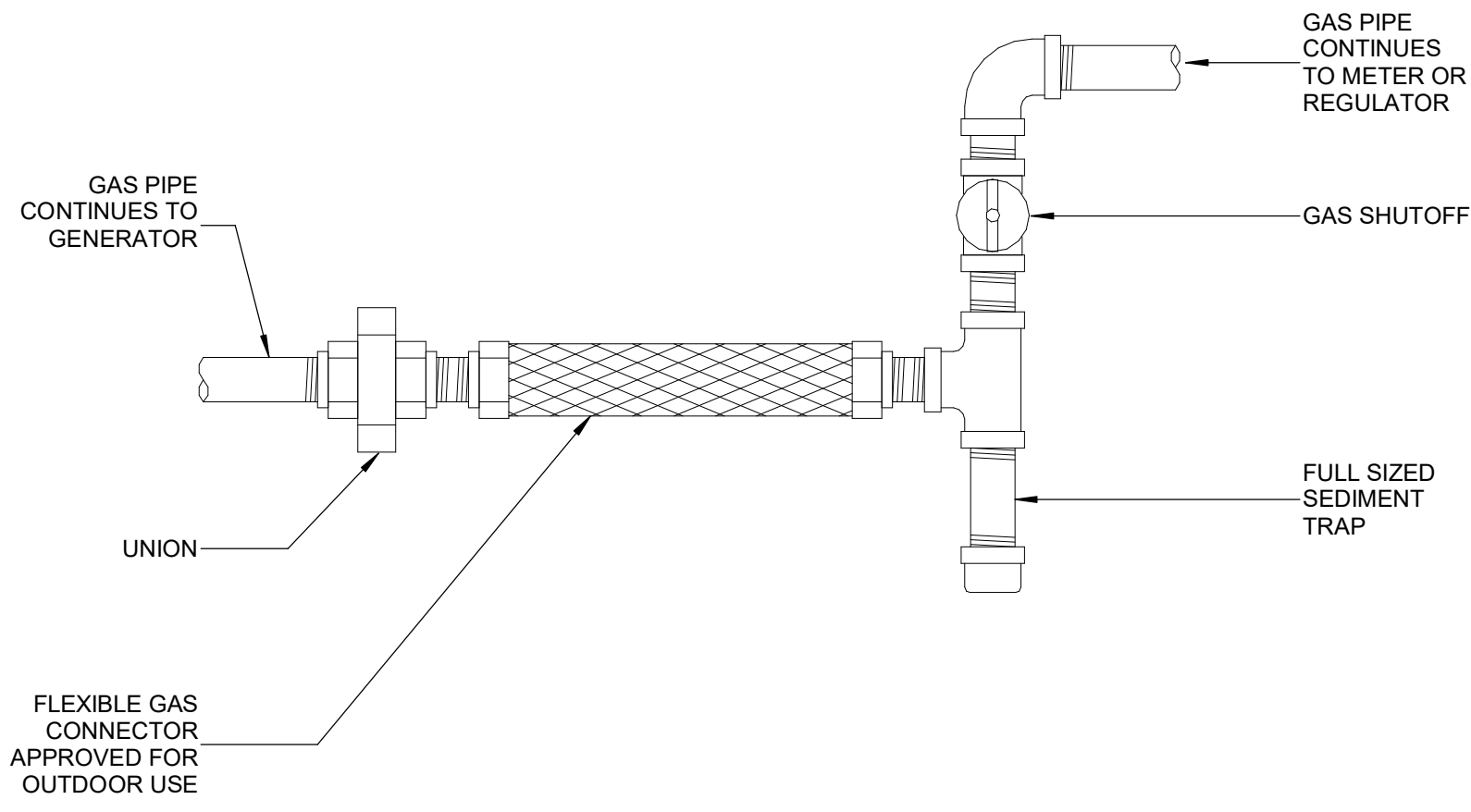
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Scale:	1/4" = 1'-0"
Designed By:	MS
Drawn By:	CJG
Checked By:	MS
Date:	04/03/2026

MECHANICAL ROOF
PLAN

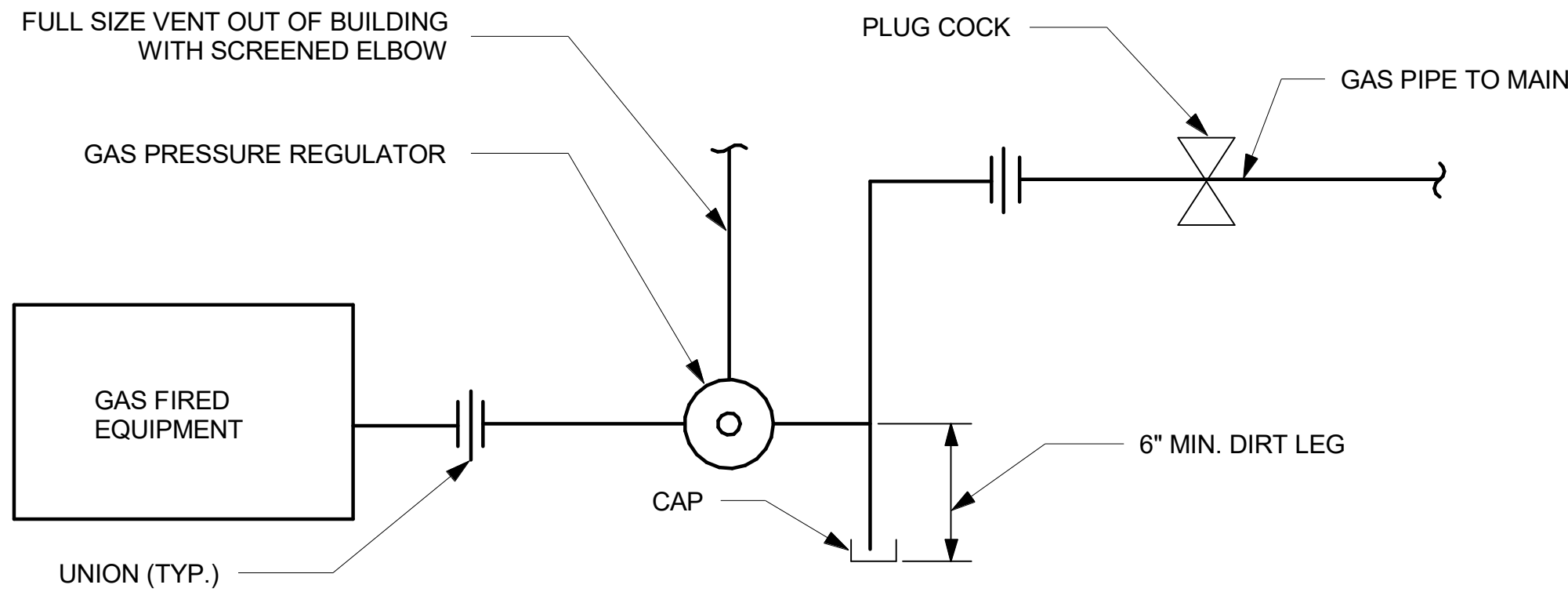
M1.3



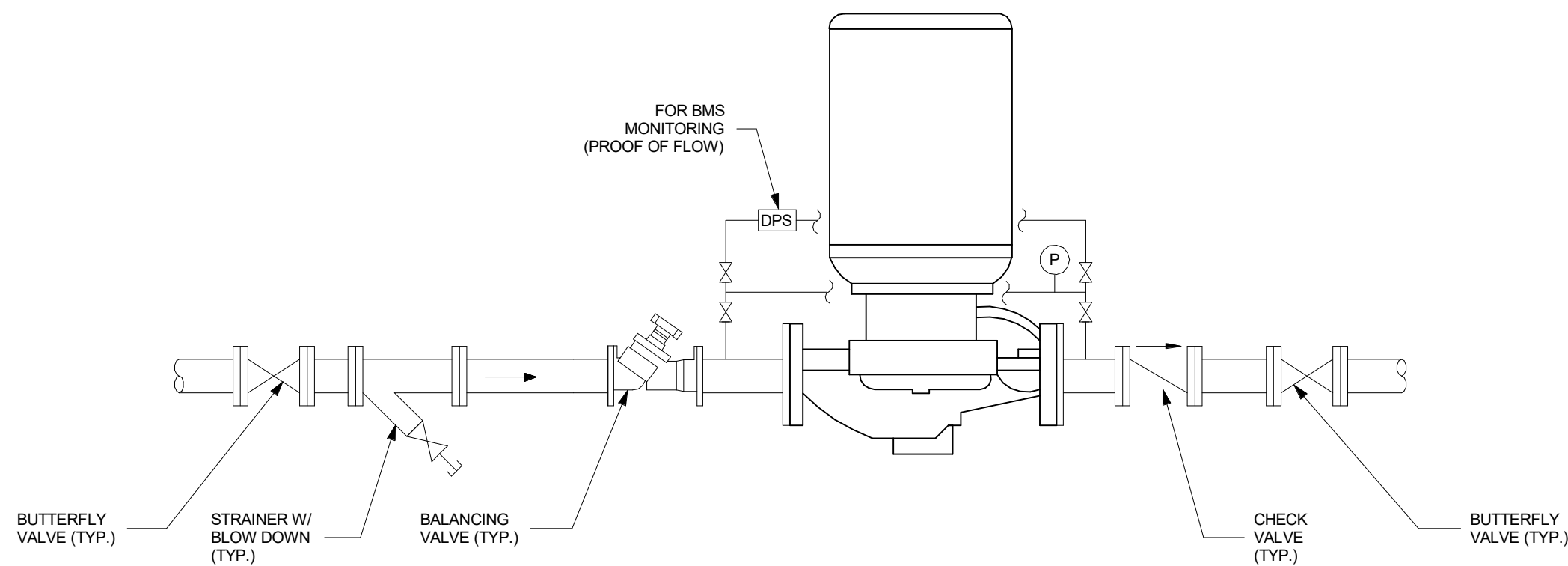
3 Boiler Detail
NOT TO SCALE



4 Gas Flex Connection At Appliances
NOT TO SCALE



1 Gas Detail
NOT TO SCALE



2 Inline Pump Detail
NOT TO SCALE



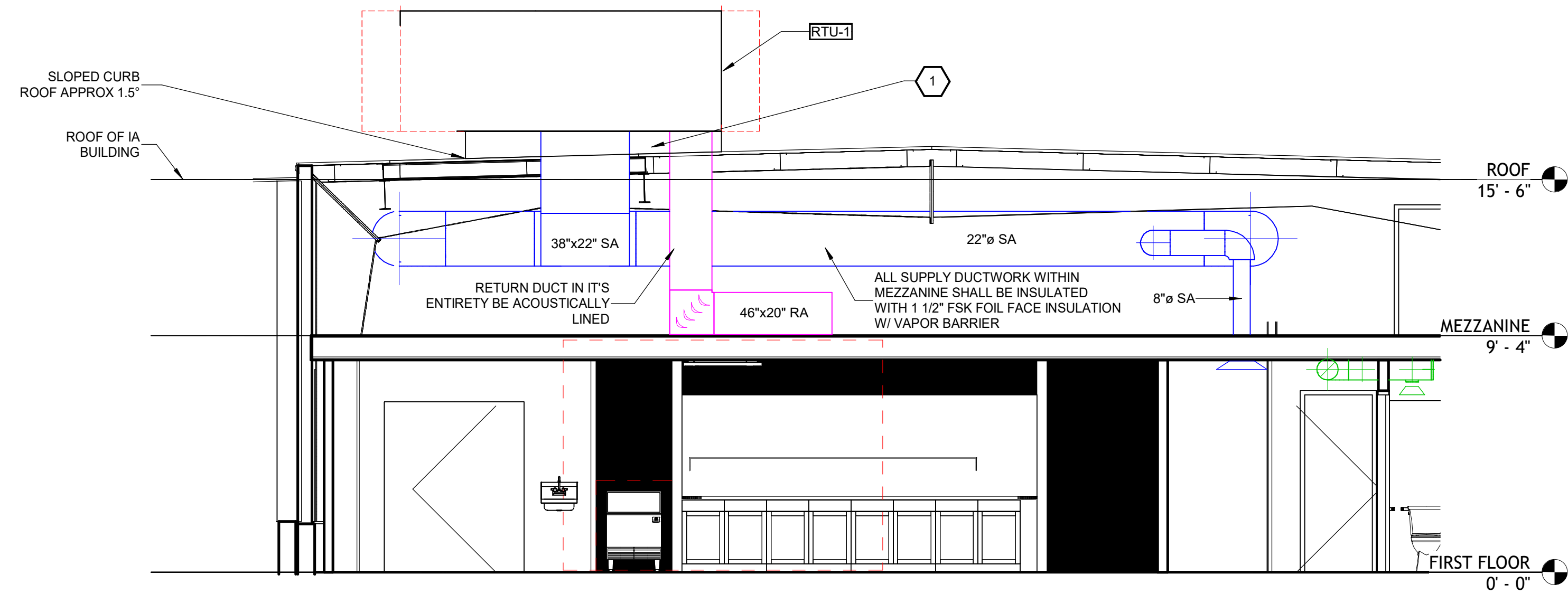
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**CONSTRUCTION
DOCUMENTS**
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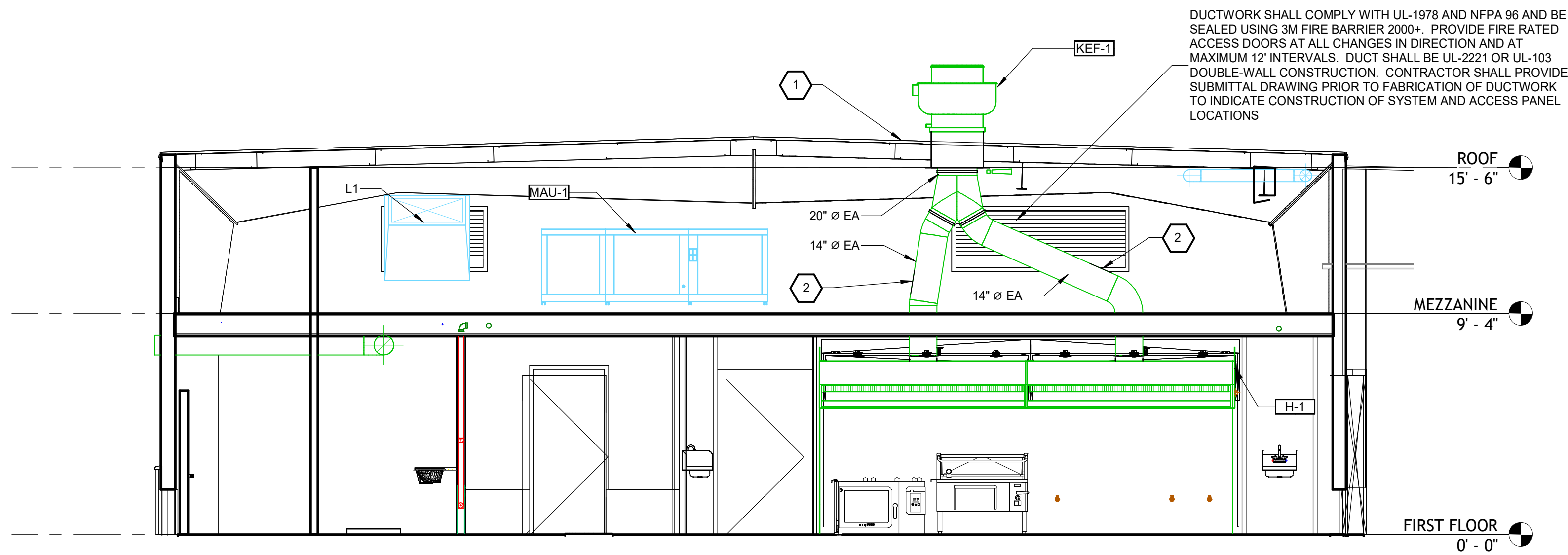
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Project Number:		AEC2601
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Designed By:		Designer
Drawn By:		Author
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**MECHANICAL
DETAILS**

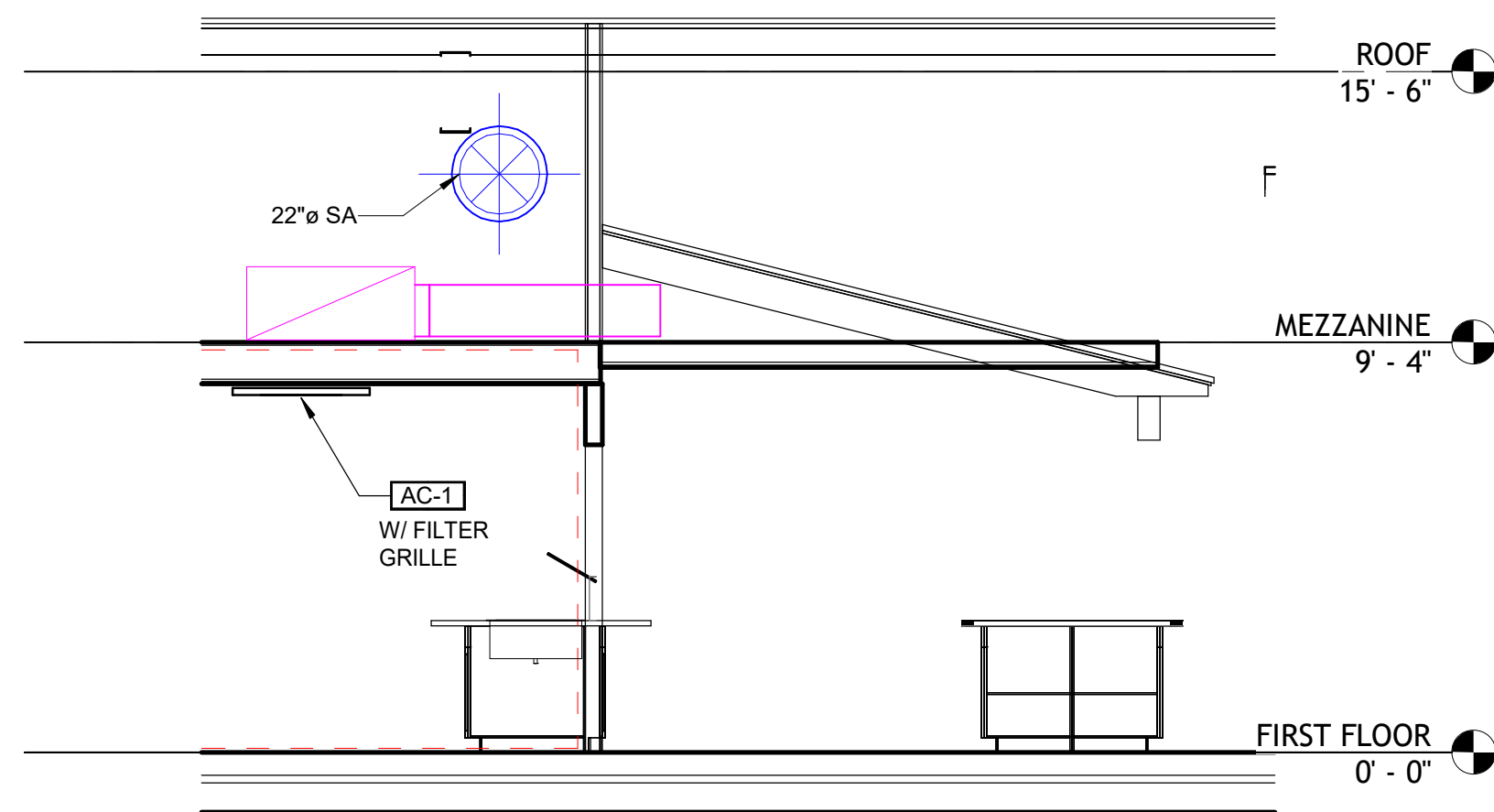
M3.0
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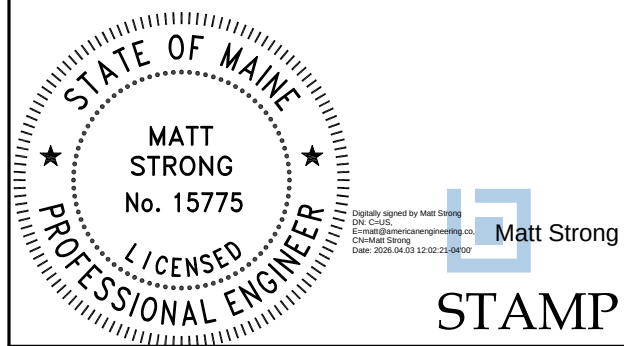
① RTU-1 ELEVATION VIEW
1/4" = 1'-0"



③ KITCHEN EXHAUST ELEVATION VIEW
1/4" = 1'-0"



② SALAD BAR ELEVATION VIEW
1/4" = 1'-0"



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MECHANICAL
ELEVATIONS

HEAT PUMP SCHEDULE																			
INDOOR UNITS													OUTDOOR UNIT						
TAG	MANUFACTURER	MODEL	COOLING CAPACITY (BTU/H)	HEATING CAPACITY (BTU/H)	MAX AIR FLOW (CFM)	WEIGHT (LBS)	TOTAL COOLING CAPACITY	TOTAL HEATING CAPACITY	V/PH/Hz	REFRIGERANT SUCTION AND LIQUID LINE SIZES		REFRIGERANT	TAG	MODEL	V/PH/Hz	MCA	MOPD	WEIGHT (LBS)	NOTES
AC-1	SAMSUNG	AC024DN4DCG/AA	24,000	27,000	848	50	180,000	40 kW	208-230/60/1	1/4"	5/8"	R-32	CU-1	AC024DXSCCG/AA	208-230/60/1	26.7	30	165	1,2,3,4
NOTES:			1 PROVIDE WITH THERMOSTAT - UNIT SHALL OPERATE ON STANDALONE CONTROLS 2 PROVIDE WITH MERV 8 FILTER BOX FROM FACTORY 3 MOUNT HEAT PUMP CONDENSING UNITS ON 18" EQUIPMENT STANDS. MOUNT STANDS ON PT SLEEPERS SPANNING STRUCTURE BELOW. 4 PROVIDE SNOW/HAIL GUARD AND EQUIPMENT STAND FROM MANUFACTURER																

LOUVER SCHEDULE							
TAG	MANUFACTURER	MODEL	SIZE	FRAME THICKNESS	DESIGN...	COLOR	NOTES
L-1	GREENHECK	ESD-635	40"x40"	4"	450 FPM	BY ARCH	
NOTES							

BOILER SCHEDULE																	
													ELECTRICAL	CONNECTIONS			
TAG	MANUFACTURER	MODEL	FUEL	MAX INPUT (MBH)	MIN INPUT (MBH)	GROSS OUTPUT (MBH)	EWTF (°F)	LWT (°F)	MAX FLOW	HEAD LOSS (FT. W.G.)	V/Hz/PH	MOPD	WEIGHT	VENT/COMBUSTION AIR	HWS&R	GAS	NOTES
B-1	VISSMAN	VITODENS 200-W B2HA 352	LP	352	104	329	160	180	37.9	10'	120/60/1	20 AMPS	194 LBS	4"/6"	1 1/2	1"	1,2,3,4
NOTES:			1 PROVIDE WITH APPLIANCE GAS REGULATOR FOR LP GAS OPERATION, CONDENSATE NEUTRALIZER, LWCO, RELIEF VALVE, AND COMBUSTION AIR FILTER KIT 2 PROVIDE SAFETY CIRCUIT WITH EMERGENCY SWITCHES AT INTERIOR AND EXTERIOR DOOR, AS WELL AS FUSIBLE LINK ABOVE EACH BOILER. INSTALL PER LOCAL CODE REQUIREMENTS AND PER MANUFACTURERS INSTRUCTION MANUAL. 3 PROVIDE CONDENSATE NEUTRALIZATION KIT AND INSTALL PER MANUFACTURER'S INSTRUCTIONS. 4 INCLUDES INTERNAL PRIMARY PUMP 5 INCLUDES 2" VISSMAN LOW-LOSS HEADER AND GRUNDFOS UPS26-99 SYSTEM PUMP.														

GAS FIRED MAKE UP AIR UNIT SCHEDULE											
TAG	MANUFACTURER	MODEL	HEATING INPUT (BTU/H)	HEATING OUTPUT (BTU/H)	AIRFLOW (CFM)	TOTAL ESP (IN. W.G.)	WEIGHT(LBS)	FUEL TYPE	V/Hz/PH	HP	NOTES
MAU-1	CAPTIVEAIRE	A2-D.500-20D	271,078	249,392	2790	0.5	LNG	LP	208V/60/1	2	1,2,3,4
NOTES			1 INDOOR UNIT DIRECT FIRED UNIT 2 PROVIDE WITH VIBRATION ISOLATORS 3 INTERLOCK WITH OPERATION OF KEF-1 AND KH-1&2 4 REFER TO CAPTIVEAIRE SUBMITTAL FOR FULL SYSTEM DETAILS, WIRING DIAGRAMS, FIRE SUPPRESSION DETAILS, AND DETAILS ON CONTROLS CABINETS								

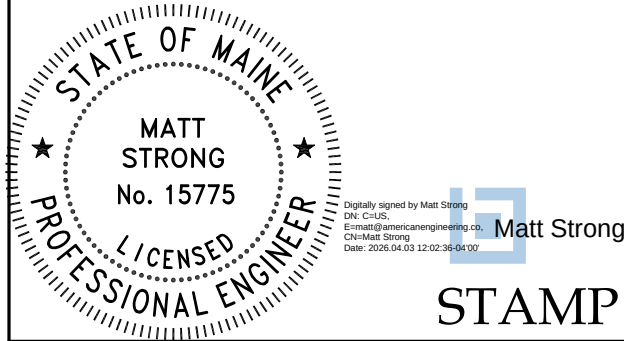
KITCHEN HOOD SCHEDULE										
TAG	MANUFACTURER	MODEL	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM DIAMETER	NOTES
KH-1	CAPTIVEAIRE	6012 SND-2	8'-9"	600 DEG	I	HEAVY	230	2015	14"	1,2
KH-2	CAPTIVEAIRE	6012 SND-2	8'-9"	600 DEG	I	HEAVY	230	2015	14"	1,2
NOTES			1 PROVIDE WITH REMOTE ANSUL CABINET, GAS VALVE, AND FIRE SURPRESSION PACKAGE FROM MANUFACTURER. 2 REFER TO CAPTIVEAIRE SUBMITTAL FOR FULL SYSTEM DETAILS, WIRING DIAGRAMS, FIRE SUPPRESSION DETAILS, AND DETAILS ON CONTROLS CABINETS AND INSTALLATION INSTRUCTIONS							

PACKAGED ROOF TOP UNIT SCHEDULE													
TAG	MANUFACTURER	MODEL	CAPACITY (TONS)	TOTAL AIRFLOW (CFM)	OUTSIDE AIR (CFM)	FUEL TYPE	GAS HEATING INPUT	GAS HEATING OUTPUT	V/HZ/PH	MCA	MOPD	WEIGHT (LBS)	NOTES
RTU-1	RHEEM	RGEHYB210ACG35BCAH0G	17.5	7000	1500	LP	350,000	283,500	208-230V/60/3	88	110	2650	1,2,3,4
NOTES		1 PROVIDE WITH INSULATED SLOPED ROOF CURB, STANDALONE CONTROLS, INTEGRAL DUCT SMOKE DETECTORS IN RETURN AND SUPPLY AIRSTREAMS, AND 20A CONVENIENCE GFCI RECEPTACLE, RETURN AIR TEMPERATURE SENSOR, RETURN AIR CO2 SENSOR WITH DEMAND CONTROLLED VENTILATION, AND ENTHALPY CONTROLLED ECONOMIZER 2 UNIT SHALL BE CONFIGURED FOR SINGLE VAV APPLICATION WITH VARIABLE SPEED ECM MOTOR, NO BYPASS DAMPER REQUIRED. 3 ROOFTOP UNIT UTILIZES R-454B REFRIGERANT 4 SYSTEM UTILIZES PACKAGED CONTROLS, PROVIDE FACTORY STARTUP											

EXPANSION TANK SCHEDULE									
TAG	LOCATION	MANUFACTURER	MODEL	SERVICE	TANK VOLUME	MAX DESIGN TEMP	MAX DESIGN PRESSURE	WEIGHT	NOTES
ET-1	BOILER ROOM	TACO	CA215-125P	HYDRONIC HOT WATER	57 GAL	240	125	300	1
NOTES		1 PROVIDE WITH ASME STAMP							

EXHAUST FAN SCHEDULE									
TAG	MANUFACTURER	MODEL	CFM	ESP	V/Hz/PH	POWER	FLA	MOPD	NOTES
EF-1	FANTECH	8" FG	300	0.5	120V/60/1	142 WATTS	1.45	15	
KEF-1	CAPTIVEAIRE	DU240HFA	4030	1.25	208/60/1	3 HP	10.1	15	
NOTES:			1 FAN SHALL RUN CONTINUOUSLY 2 REFER TO CAPTIVEAIRE SUBMITTAL FOR FULL SYSTEM DETAILS, WIRING DIAGRAMS, FIRE SUPPRESSION DETAILS, AND DETAILS ON CONTROLS CABINETS 3 PROVIDE WITH HUNGE KIT, GREASE BOX, AND SLOPED CURB FROM FACTORY						

ELECTRIC WALL HEATER SCHEDULE					
TAG	MANUFACTURER	MODEL	CAPACITY (TONS)	V/Hz/PH	NOTES
ECH-1	Q MARK	LFK	3 KW	240V/60/3	1,2
NOTES			1 PROVIDE WITH INTEGRAL THERMOSTAT 2 CONFIRM COLOR WITH CLIENT PRIOR TO RELEASE		



WASHINGTON
ACADEMY NEW
CAFETERIA

66 CUTLER RD
EAST MACHIAS, ME 04630

CONSTRUCTION
DOCUMENTS
04/03/2026

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Project Number:		AEC2601
Scale:		NTS
Designed By:		Designer
Drawn By:		Author
Checked By:		Checker
Date:		04/03/2026

MECHANICAL
SCHEDULES

M4.0

PLUMBING SHEET LIST	
SHEET NUMBER	SHEET NAME
P0.0	PLUMBING BASIS OF DESIGN, CALCULATIONS, LEGEND & ABBREVIATIONS
P1.0	PLUMBING UNDERGROUND PLAN
P1.1	PLUMBING FIRST FLOOR SANITARY & VENT PLAN
P1.2	PLUMBING MEZZANINE SANITARY & VENT PLAN
P2.1	PLUMBING FIRST FLOOR WATER PLAN
P2.2	PLUMBING MEZZANINE WATER PLAN
P3.0	PLUMBING ISOMETRIC VIEWS (FOR REFERENCE)
P4.0	PLUMBING SCHEDULES & DETAILS

PLUMBING BASIS OF DESIGN

BUILDING CODES AND STANDARDS

PLUMBING SYSTEMS ARE DESIGNED TO MEET THE 2021 INTERNATIONAL BUILDING CODE (IBC), THE 2021 UNIFORM PLUMBING CODE (UPC) AS ADOPTED AND AMENDED BY THE STATE OF MAINE PLUMBERS' EXAMINING BOARD, & THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) AS PART OF THE MAINE UNIFORM BUILDING AND ENERGY CODE (MUBEC).

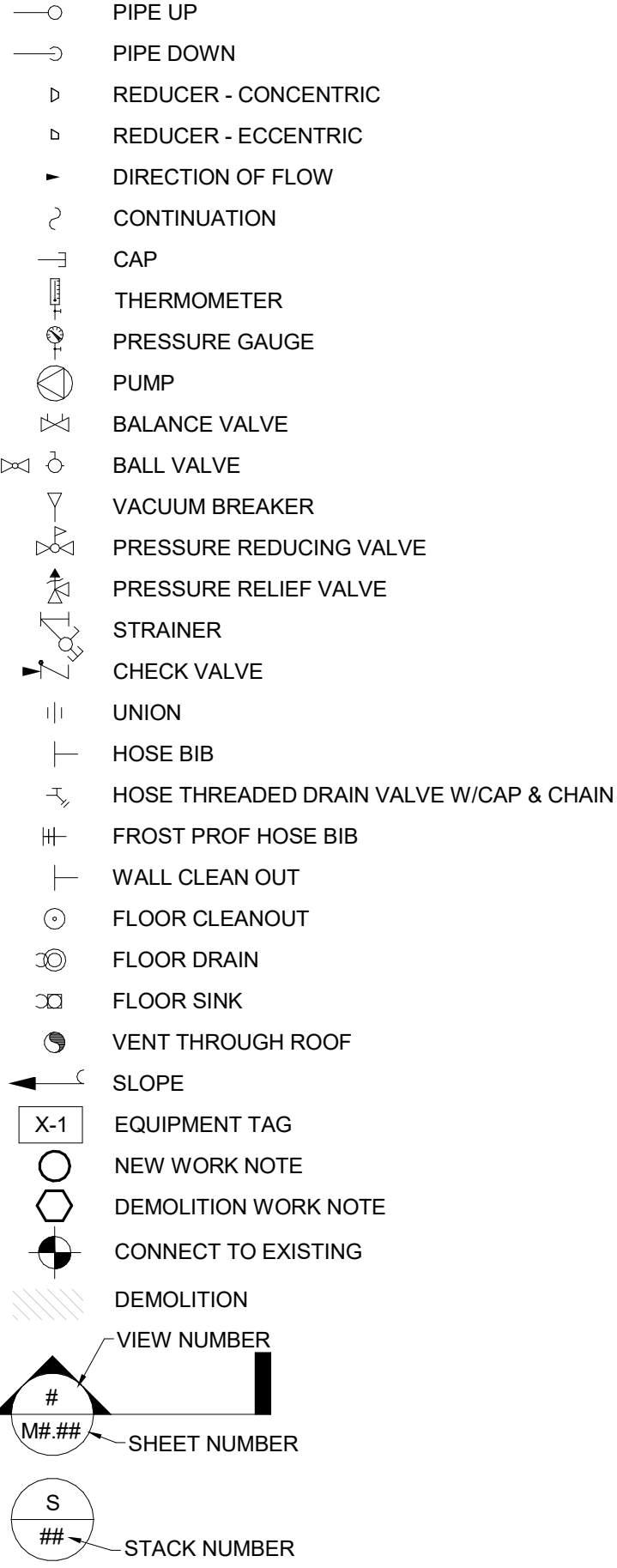
PROJECT DESCRIPTION

THE PROJECT PROVIDES PLUMBING SYSTEMS FOR THE RENOVATION OF THE CAFETERIA AT WASHINGTON ACADEMY, 66 CUTLER RD., EAST MACHIAS, ME 04630. THE INTENT IS TO CONNECT TO EXISTING WATER AND SANITARY SYSTEMS. SEWER LINE LOCATIONS AND INVERTS ARE BEING PROVIDED BY THE OWNER.

FOR WATER DISTRIBUTION, THE INTENT IS TO PROVIDE (2) 50 GAL INDIRECT WATER HEATERS FED BY AN UP BOILER, ALL LOCATED ON THE MEZZANINE ABOVE THE KITCHEN. THE MEZZANINE HAS A LIMITED CEILING HEIGHT, AND EQUIPMENT SIZING HAS BEEN VERIFIED TO FIT WITHIN THIS SPACE. COLD WATER SUPPLY TO BE A NEW 2" CW LINE RUN FROM THE SERVICE AT THE STREET OR IN THE PARKING LOT (EXISTING 3/4" CW SERVICE AVAILABLE IS INSUFFICIENT).

FOR SANITARY AND VENT SYSTEMS, ALL NEW PIPING WILL BE INSTALLED IN THE CAFETERIA, AND PIPING TO THE SINGLE BATHROOM IN THE INDUSTRIAL ARTS BUILDING WILL BE EXISTING TO REMAIN. GREASE LADEN FIXTURES FROM THE COMMERCIAL KITCHEN WILL ROUTE THROUGH CW PIPING TO AN UNDERGROUND GREASE INTERCEPTOR WITH ACCESS LOCATED IN THE DRY STORAGE ROOM. THE SANITARY EXIT FROM THE CAFETERIA WILL RUN BY GRAVITY TO THE NEAREST MANHOLE ACROSS THE PARKING LOT (APPROXIMATELY 66 FT), WHICH IS ASSUMED TO CONTINUE TO THE BASEBALL FIELDS.

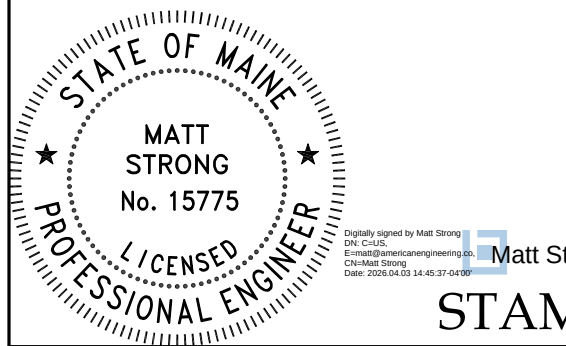
PLUMBING LEGEND



PLUMBING ABBREVIATIONS

AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ARCH	ARCHITECT
AP	ACCESS PANEL
BFF	BELOW FINISHED FLOOR
BLDG	BACKFLOW PREVENTER
BOP	BUILDING
BSMT	BOTTOM OF PIPE
BV	BASEMENT
CFI	BALL VALVE
CLG	CONTRACTOR FURNISHED AND INSTALLED
CO	CEILING
CONT	CLEAN OUT
CP	CONTINUATION
DCVA	CONDENSATE PUMP
DCW / CW	DOUBLE CHECK VALVE ASSEMBLY
DHW / HW	DOMESTIC COLD WATER
DHWR / HWR	DOMESTIC HOT WATER
DM	DOMESTIC HOT WATER RETURN
DN	DIMENSION
DWG	DOWN
DWH	DRAWINGS
(E)	DOMESTIC HOT WATER HEATER
EA	EXISTING
EC	EACH
EQUIP	ELECTRICAL CONTRACTOR
ET	EQUIPMENT
ETP	EXPANSION TANK
FD	ELECTRONIC TRAP PRIMER
FDI	FLOOR DRAIN
FP	FIRE DEPARTMENT INLET
FPHB	FIRE PROTECTION
FS	FROST PROOF HOSE BIB
G	FLOOR SINK
GA	GAUGE
GAL	GALLONS
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HGT	HEIGHT
HP	HOSE BIB
HR	HOUR
HZ	HERTZ
IW	INDIRECT WASTE
KW	KILOWATT
L	LENGTH
LPC	LIMIT MECHANICAL CONTRACTOR
LPC	LIMIT PLUMBING CONTRACTOR
MAX	MAXIMUM
PC	MECHANICAL CONTRACTOR
PCA	MINIMUM CIRCUIT AMPS
MEZZ	MEZZANINE
MTD	MOUNTED
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OD	OVERFLOW DRAIN
PC	PLUMBING CONTRACTOR
PCW	PREHEATED COLD WATER
PD	PUMPED DISCHARGE
PEX	CROSS-LINKED POLYETHYLENE
PH	PHASE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RD	ROOF DRAIN
SAN	SANITARY
SOV	SHUT OFF VALVE
SS	SANITARY STACK
S.C.	STAINLESS STEEL
SW	SAFE WASTE
TDH	TOTAL DYNAMIC HEAD
TMV	THERMOSTATIC MIXING VALVE
TOP	TOP OF PIPE
TP	TRAP PRIMER
TW	TEMPERED WATER
TYP	TYPICAL
V	VENT
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
W	WASTE/WIDTH/WATT
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	WATER HAMMER ARRESTOR
WS	WASTE STACK
W&T	WASTE & TRAP

AEC2601 WASHINGTON ACADEMY — PLUMBING CALCULATIONS SUMMARY						
PROJECT:	NEW CAFETERIA — 66 CUTLER RD., EAST MACHIAS, ME 04630			CODE:	2025 UNIFORM PLUMBING CODE (UPC)	
ARCHITECT:	FRASER ASSOCIATES ARCHITECTS					
DRAINAGE FIXTURE UNIT (DFU) SUMMARY						
CATEGORY	FIXTURES	TOTAL DFU	DRAIN TYPE	PIPE SIZE	UPC REFERENCE	FIXTURES INCLUDED
RESTROOM FIXTURES	12	30	SANITARY	—	TABLE 702.1	P-1 (WC), P-3 (LAV), P-2 (UR), P-5 (MB), FD-1
UNISEX BATHROOM	2	5	SANITARY	—	TABLE 702.1	P-1A (WC), P-3A (LAV)
KITCHEN & SERVICE (GREASE)	8	29	GREASE → GI-1	—	UPC §1014	D12, A8×1, D1, D3, A4×2, A5.2, FD-2×2, D1(DISH DROP)
KITCHEN & SERVICE (SANITARY)	7	21	SANITARY	—	TABLE 702.1	P-5, A8×2, P1, FS-1×3, DF-1, X3, S4/S11×2
SANITARY SUBTOTAL		56	SANITARY			
GREASE WASTE SUBTOTAL		29	TO GI-1		UPC §1014	
TOTAL BUILDING DFU	35	85	DFU	4" BLDG DRAIN	TABLE 703.2	216 DFU MAX @ 1/8"FT
COLD WATER SUPPLY (WSFU) SUMMARY						
CATEGORY	FIXTURES	TOTAL WSFU	SIZING BASIS	PIPE SIZE	UPC REFERENCE	FIXTURES INCLUDED
RESTROOM FIXTURES	12	21.5	FLUSH VALVE	—	TABLE 610.4	P-1 (WC) ×3, P-1A (WC) ×1, P-3 (LAV) ×3, P-3A (LAV) ×1, P-2 (UR) ×1, FD-1 ×3
KITCHEN & SERVICE FIXTURES	17	38	MIXED	—	TABLE 610.4	D12, P-5, A8, P1, D1, D3, A4, A5.1, X3, P-4 ×2, DF-1
TOTAL CW BUILDING SUPPLY	29	59.5	FLUSH VALVE	2"	TABLE 610.5	151 WSFU MAX @ 2"
HOT WATER SUPPLY (WSFU) SUMMARY						
CATEGORY	FIXTURES	TOTAL WSFU	SIZING BASIS	PIPE SIZE	UPC REFERENCE	FIXTURES INCLUDED
LAVATORIES	4	4	FLUSH TANK	—	TABLE 610.4	P-3 (LAV) ×3, P-3A (LAV) ×1
KITCHEN SINKS & EQUIPMENT	7	15	FLUSH TANK	—	TABLE 610.4	D12, P-5, A8, P1, D1
TOTAL HW BUILDING SUPPLY	11	19	FLUSH TANK	1-1/4"	TABLE 610.5	36 WSFU MAX @ 1-1/4"



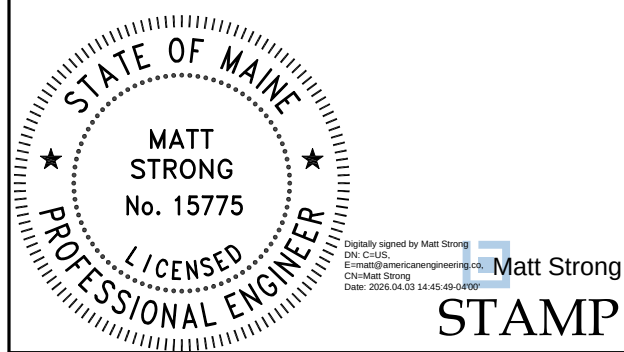
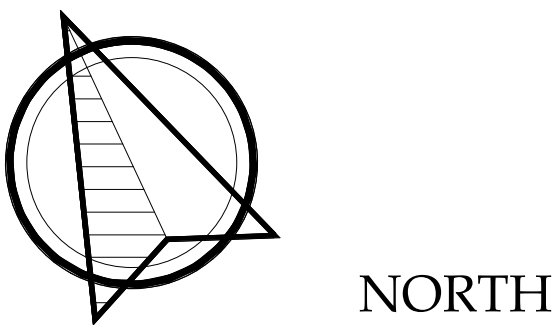
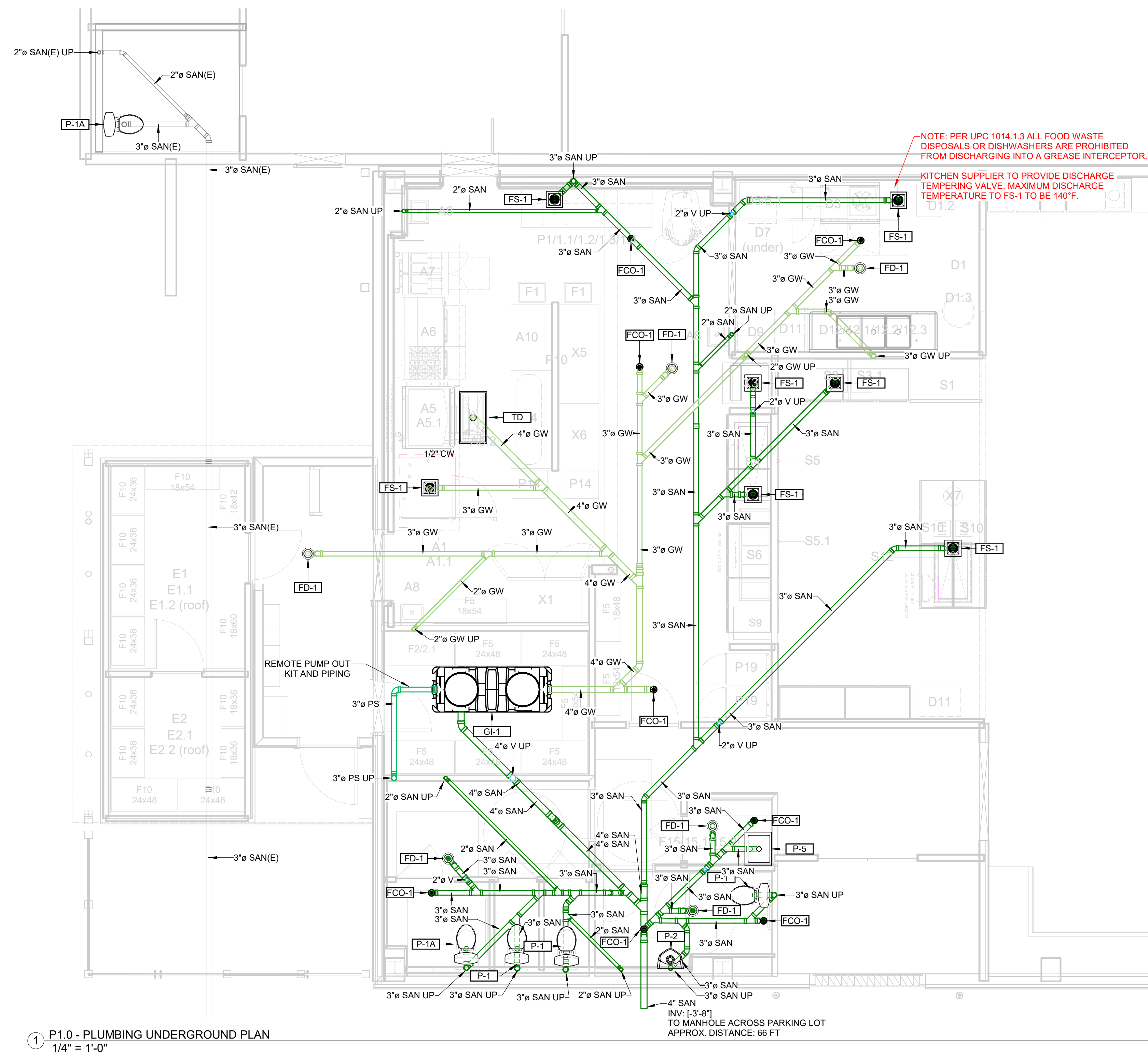
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DOCUMENTS
04/03/2026

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#	Date	Description
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Scale:	NTS	
Designed By:	TRW	
Drawn By:	CNMP	
Checked By:	WKH	
Date:	04/03/2026	

PLUMBING BASIS OF
DESIGN,
CALCULATIONS,
LEGEND &
ABBREVIATIONS

P0.0



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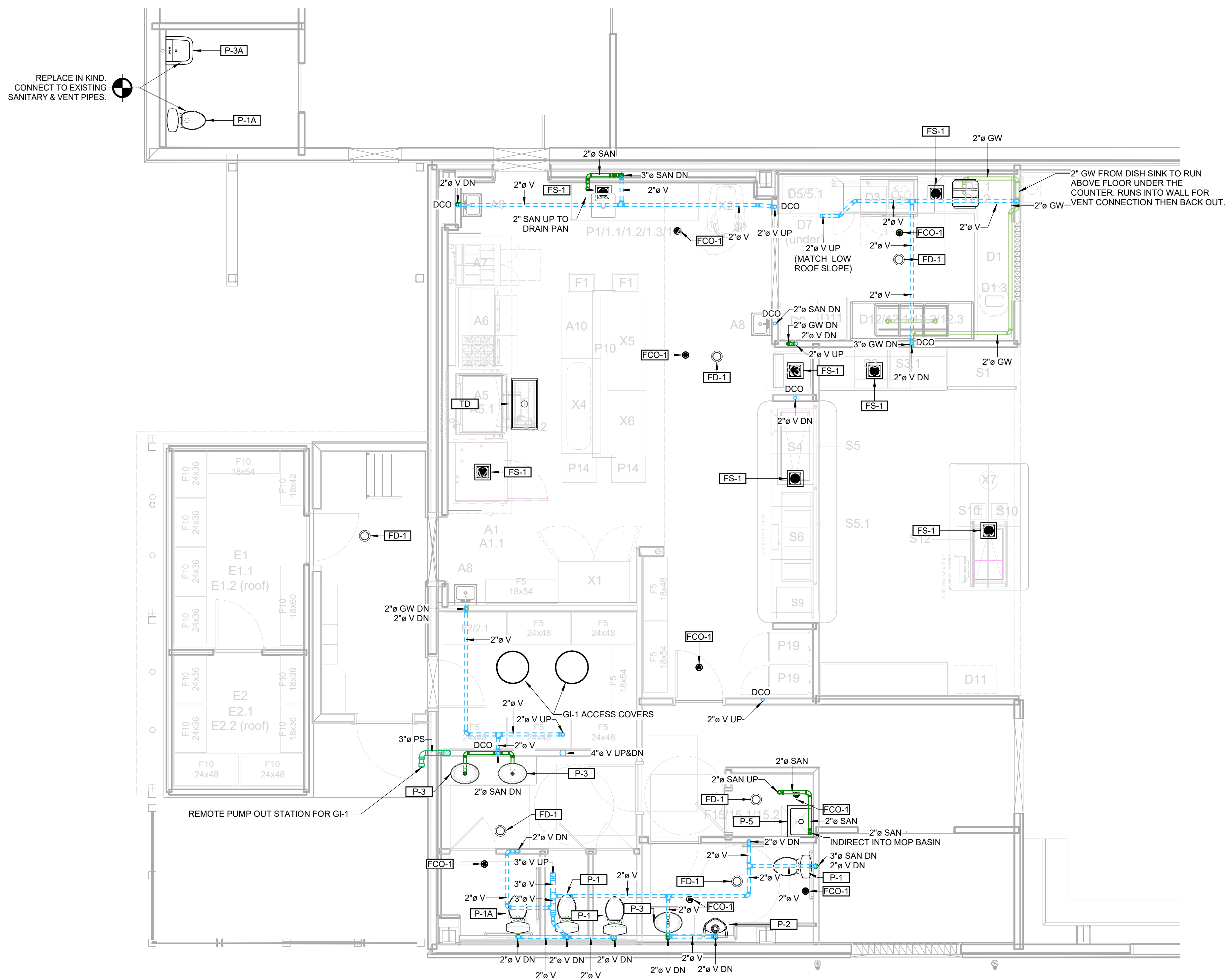
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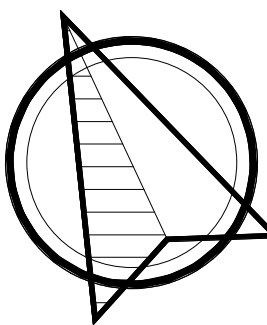
Project Number:	AEC2601
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Designed By:	TRW
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Checked By:	WKH
Date:	04/03/2026

**PLUMBING
UNDERGROUND
PLAN**

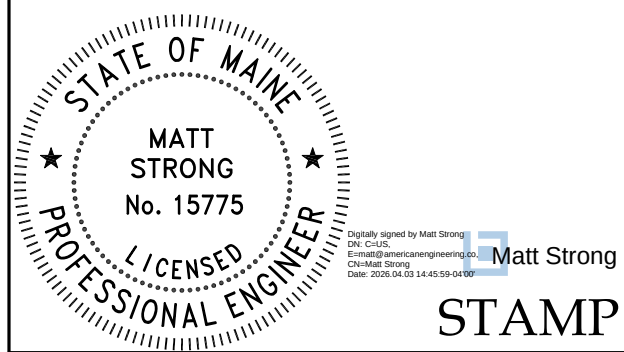
P1.0



1 PLUMBING FIRST FLOOR SANITARY & VENT PLAN
1/4" = 1'-0"



NORTH



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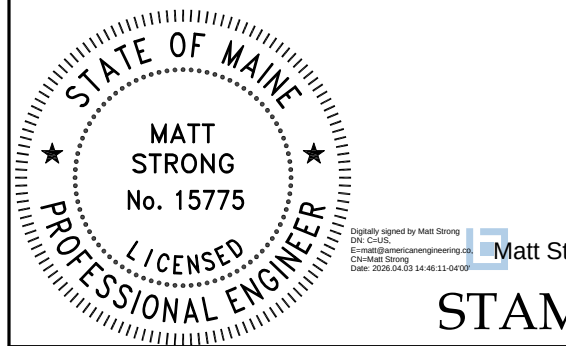
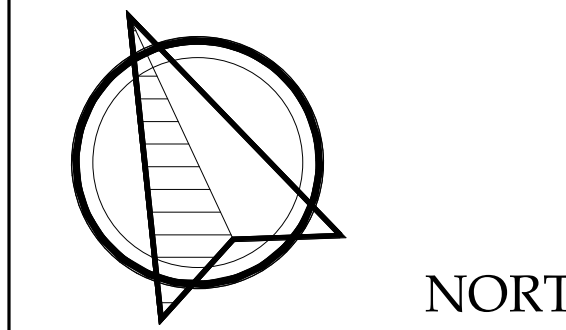
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PLUMBING FIRST
FLOOR SANITARY &
VENT PLAN

P1.1



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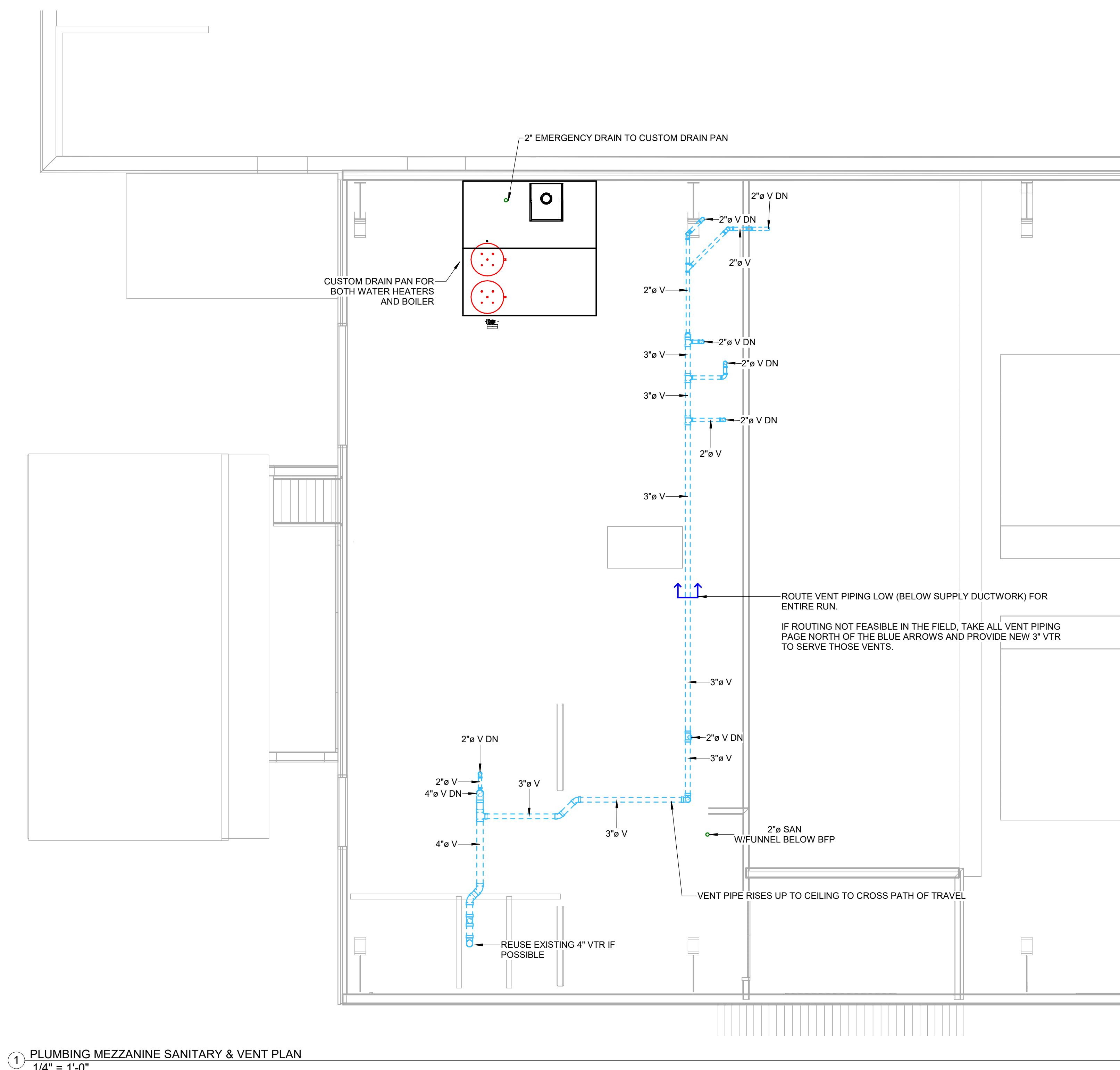
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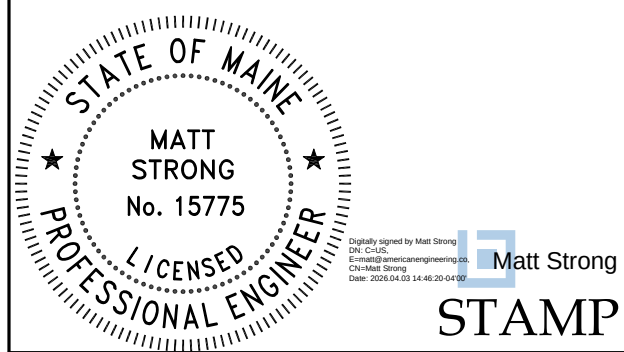
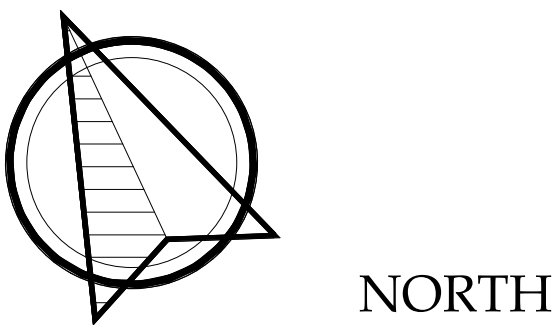
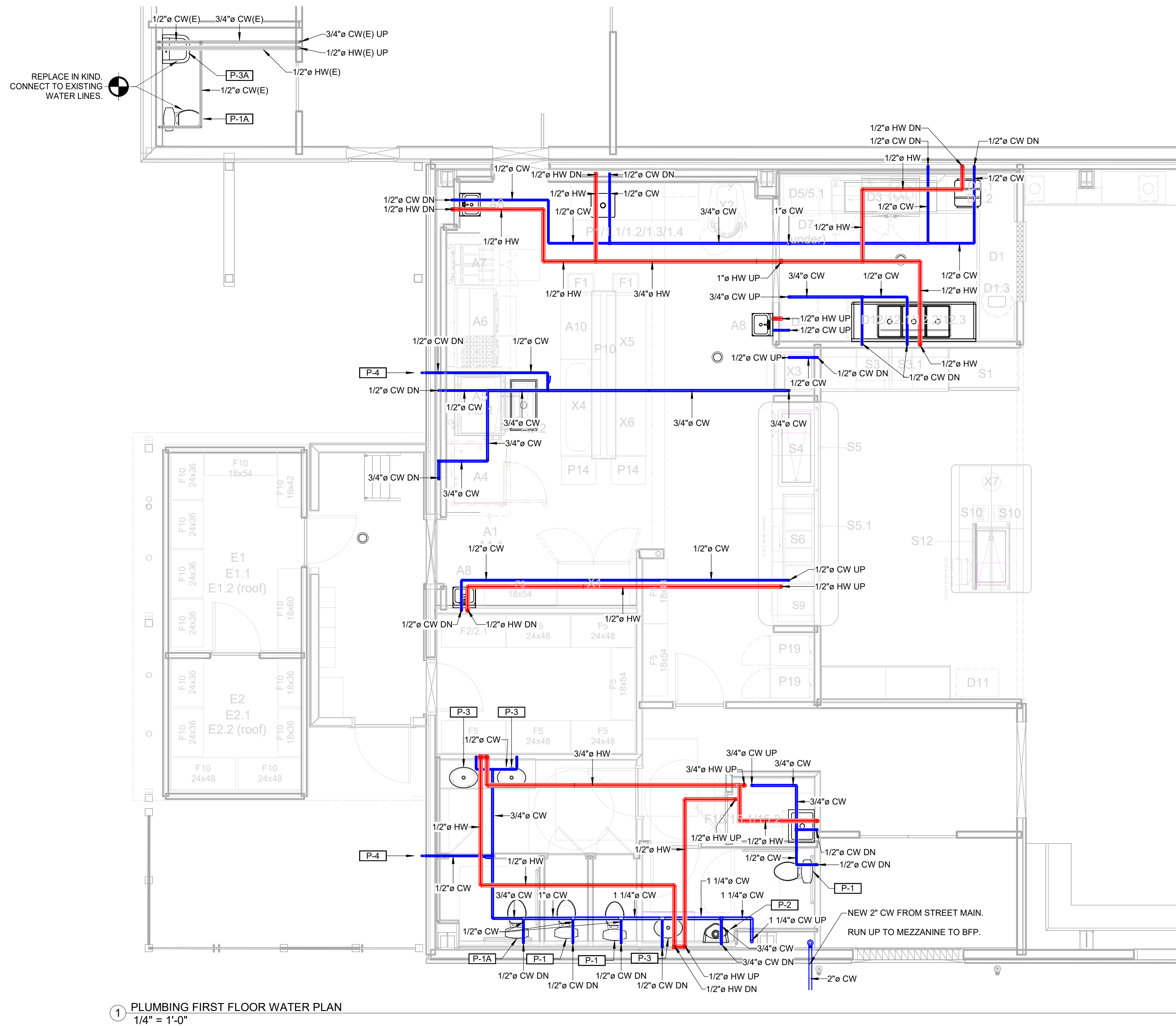
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**PLUMBING
MEZZANINE
SANITARY & VENT
PLAN**

P1.2



① PLUMBING MEZZANINE SANITARY & VENT PLAN
1/4" = 1'-0"



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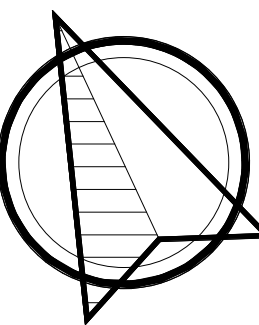
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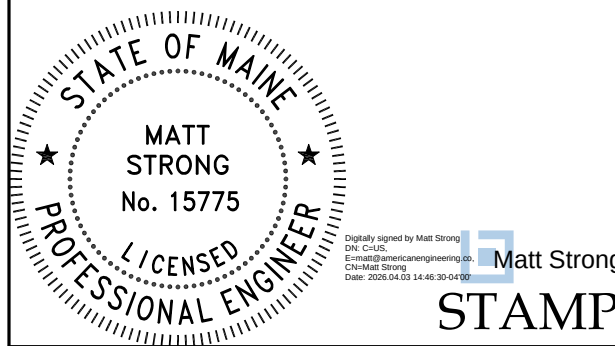
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**PLUMBING FIRST
FLOOR WATER PLAN**

P2.1



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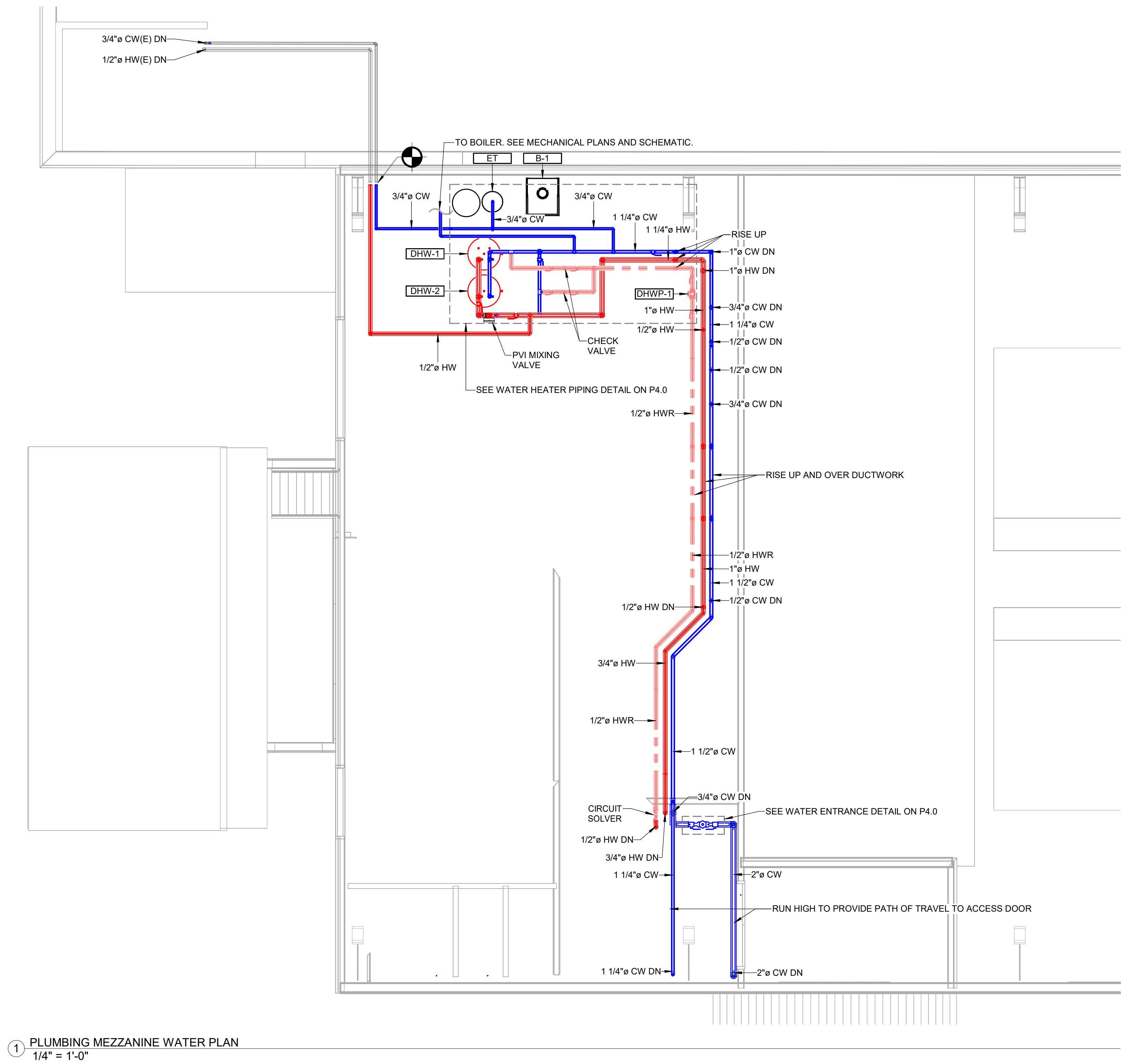
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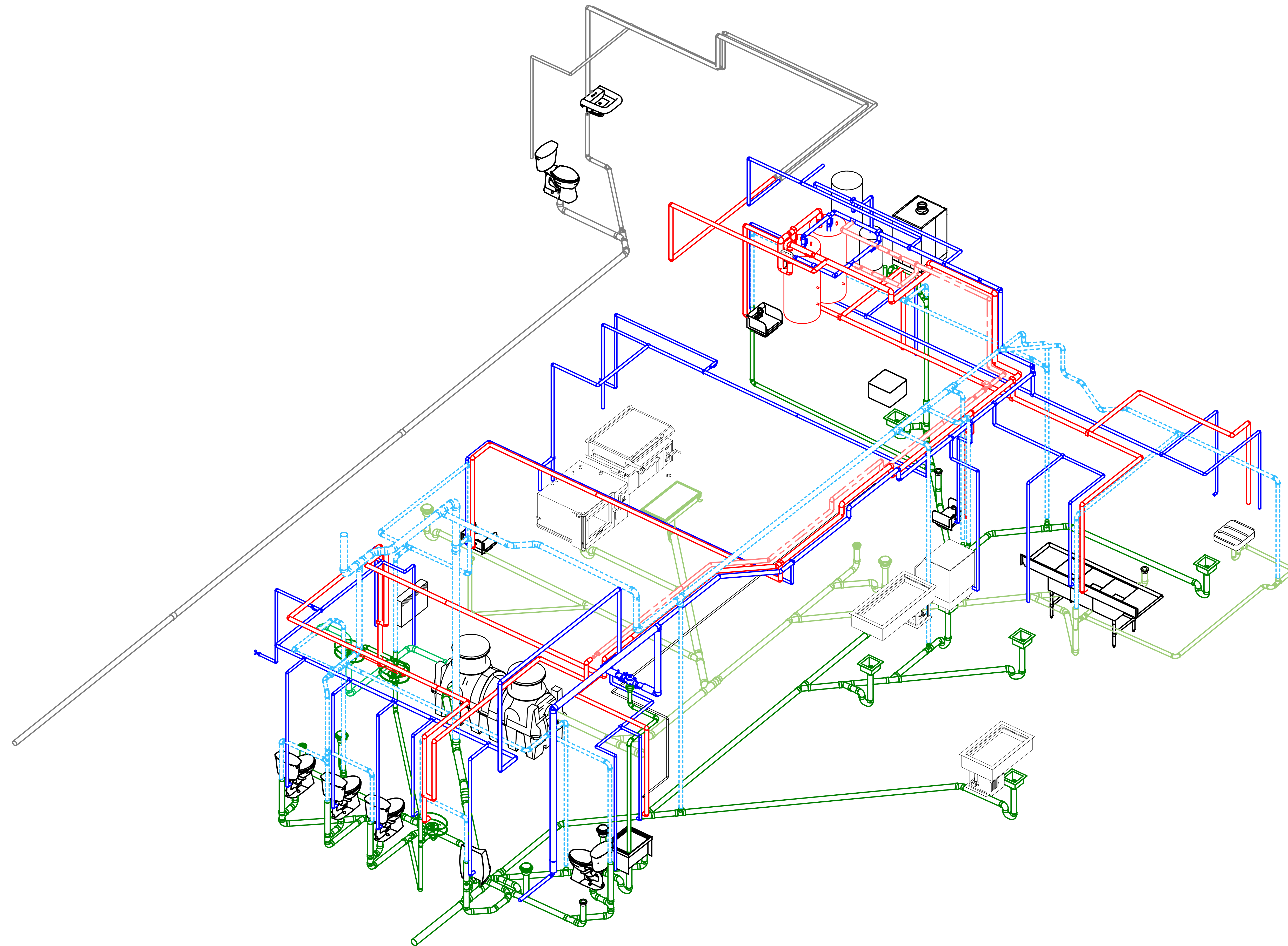
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**PLUMBING
MEZZANINE WATER
PLAN**

P2.2





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PLUMBING ISOMETRIC
VIEWS (FOR
REFERENCE)

P3.0

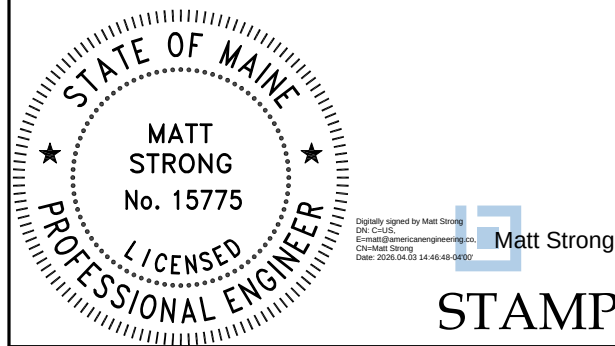
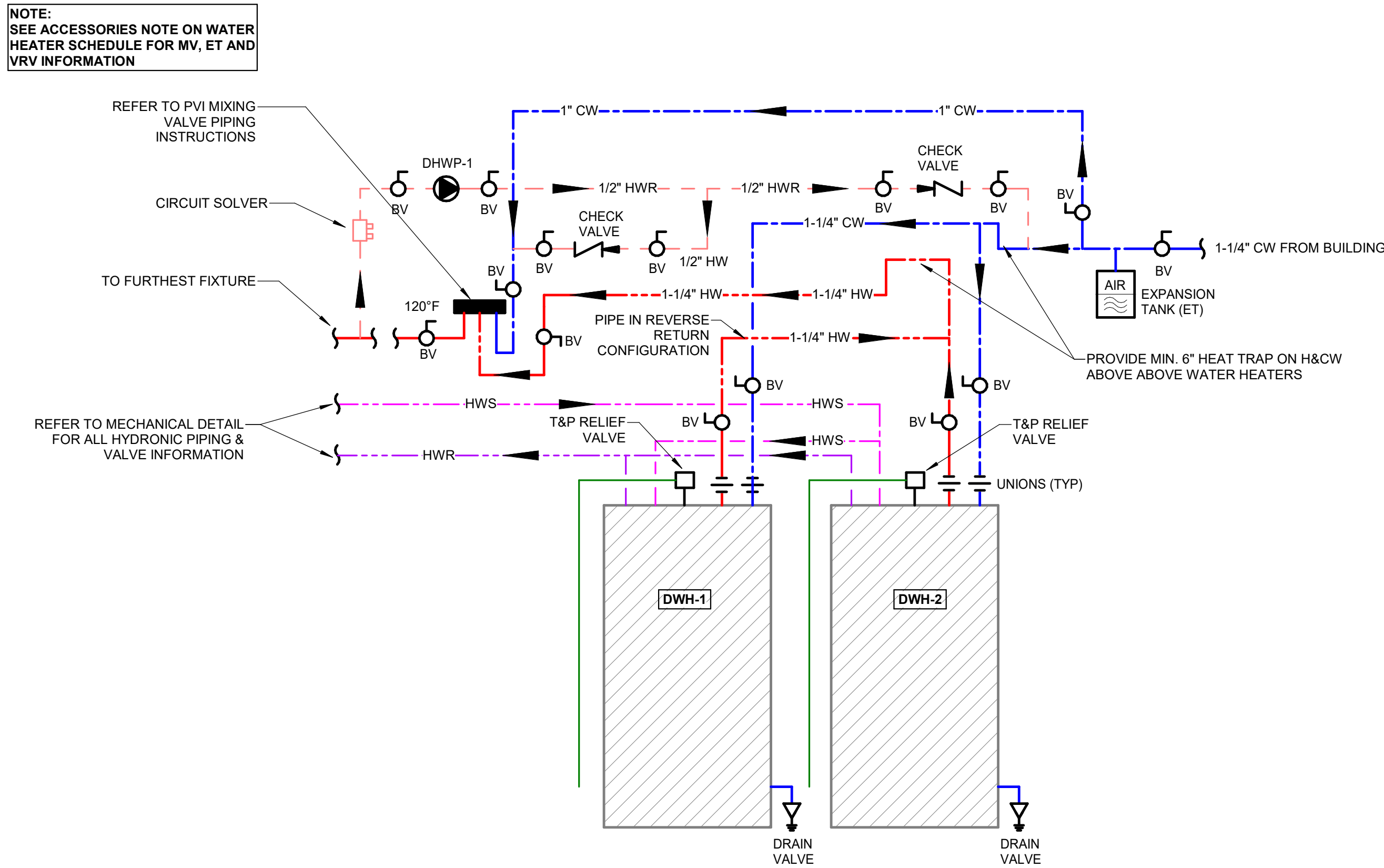
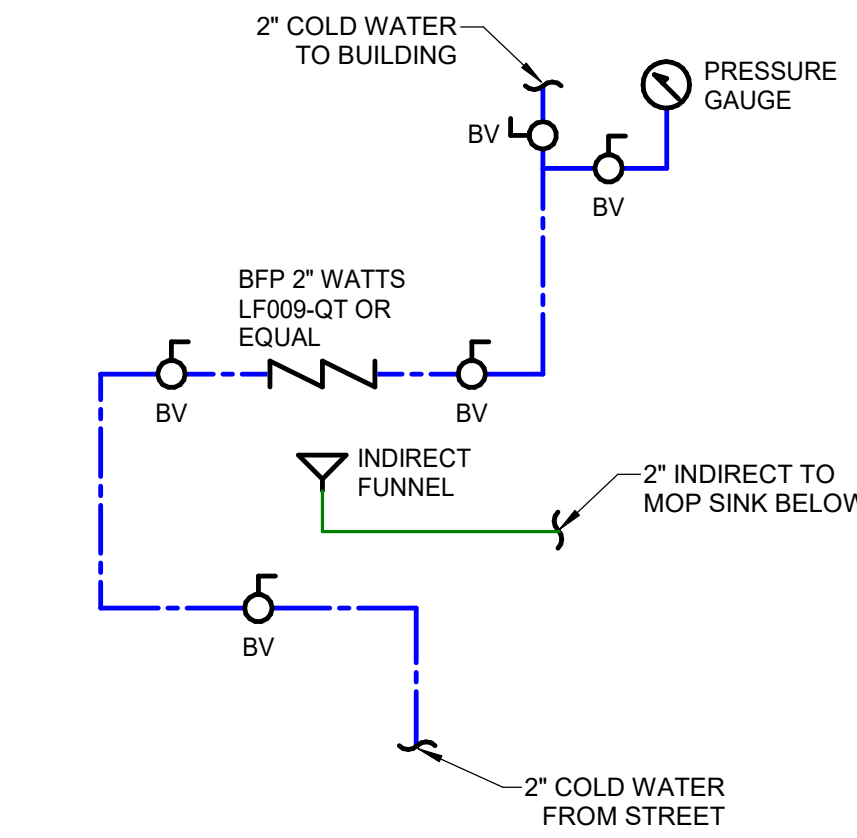
PLUMBING FIXTURE SCHEDULE																
MARK	DESCRIPTION	MAKE	MODEL	FIXTURE CONNECTIONS						FLOW CONTROL	FIXTURE UNITS				ACCESSORIES & NOTES	COLOR
				SAN	VENT	TRAP	IW	COLD	HOT		CW	HW	TOTAL	SAN		
P-1	WATER CLOSET	AMERICAN STANDARD	215AA104.020	3"	2"	INTEGRAL	-	1/2"	-	1.28 GPF	2.50	-	2.50	4.00	CHROME PLATED STOP WITH BRAIDED FLEXIBLE SUPPLY, WAX RING AND BRASS CLOSET BOLTS	WHITE
P-1A	ADA WATER CLOSET	AMERICAN STANDARD	215AA104.020	3"	2"	INTEGRAL	-	1/2"	-	1.28 GPF	2.50	-	2.50	4.00	CHROME PLATED STOP WITH BRAIDED FLEXIBLE SUPPLY, WAX RING AND BRASS CLOSET BOLTS	WHITE
P-2	URINAL	AMERICAN STANDARD	6590.001.020	2"	1-1/2"	INTEGRAL	-	3/4"	-	0.5 GPF	5.00	-	5.00	4.00	SLOAN G2 8186-0.5 FLUSH VALVE, PROVIDE BRASS URINAL SPUD	WHITE
P-3	LAVATORY	AMERICAN STANDARD	0954.004EC	1-1/2"	1-1/2"	P-TRAP	-	1/2"	1/2"	0.5 GPM	0.75	0.75	1.00	1.00	SLOAN EBF-650 FAUCET, SLOAN BDM MIXING VALVE, AMERICAN STANDARD 0062.000 SHROUD, CHROME PLATED GRID STRAINER, CHROME PLATED STOPS WITH BRAIDED FLEXIBLE SUPPLIES AND CHROME PLATED P-TRAP	WHITE
P-3A	LAVATORY	SLOAN	SS-3065	1-1/2"	1-1/2"	P-TRAP	-	1/2"	1/2"	0.5 GPM	0.75	0.75	1.00	1.00	SLOAN EBF-650 FAUCET, SLOAN BDM MIXING VALVE, CHROME PLATED GRID STRAINER, CHROME PLATED STOPS WITH BRAIDED FLEXIBLE SUPPLIES AND CHROME PLATED P-TRAP	STAINLESS STEEL
P-4	HOSE BIB	WOODFORD	24 CP	-	-	-	-	1/2"	-	-	-	-	-	-		CP
P-5	MOP BASIN	SEE KITCHEN EQUIPMENT SCHEDULE														

DRAIN SCHEDULE											
MARK	DESCRIPTION	MAKE	MODEL	BODY	TOP	CONNECTIONS (INCHES)				SANITARY FIXTURE UNITS	ACCESSORIES & NOTES
						STORM	SAN	VENT	TRAP		
FD-1	FLOOR DRAIN	ZURN	ZN-415-5B-P	CAST IRON	NICKEL BRONZE		3	1-1/2	P-TRAP	5.00	PROVIDE RECTORSEAL SURESEAL MODEL SS3009V TRAP GUARD
FS-1	FLOOR SINK	ZURN	FD-2378-NH3-H	CAST IRON	CAST IRON		3	1-1/2	P-TRAP	5.00	PROVIDE RECTORSEAL SURESEAL MODEL SS3009V TRAP GUARD
FCO-1	FLOOR CLEANOUT	ZURN	ZN-1400-HD	CAST IRON	NICKEL BRONZE		SEE DWGS				
TD	TROUGH DRAIN	SEE KITCHEN EQUIPMENT PLANS AND SUBMITTALS					3			2.00	

WATER HEATER SCHEDULE (INDIRECT)																	
MARK	MAKE	MODEL	COLD	HOT	BOILER SUPPLY/RETUR N	COIL					STORAGE			CONTINUOUS FLOW (GPH)	1ST HR RATING	ACCESSORIES & NOTES	
						FLOW (GPM)	HEAD (FT)	FLUID	EWI / LWT	RATED BTU/H	STANDBY (*F/HR)	GALLONS	EWI (*F)				TANK TEMP (*F)
DHW-1	4PRO	4PROSSIWH50	3/4"	3/4"	1" FNPT	14.00	6.0	WATER	180 / —	113,290		50.0	40	140	151	196	STAINLESS STEEL INDIRECT TANK. ALL TOP CONNECTIONS. 3/4" DOM. WATER IN/OUT. 1" NPT BOILER IN/OUT. MAX. WORKING PRESSURE: 150 PSI (DOM.), 90 PSI (BOILER). SHIPPING WEIGHT: 110 LBS. DIMENSIONS: 54" H x 23.5" DIA. 8.2 SQ. FT. COIL SURFACE.
DHW-2	4PRO	4PROSSIWH50	3/4"	3/4"	1" FNPT	14.00	6.0	WATER	180 / —	113,290		50.0	40	140	151	196	

PUMP SCHEDULE										
MARK	DESCRIPTION	MAKE	MODEL	GPM	HEAD (FT)	INLET (IN)	OUTLET (IN)	ELECTRICAL		ACCESSORIES & NOTES
								VOLT/PH	HP	
DHWP-1	DOMESTIC HOT WATER PUMP	TACO	009e3	4	12	3/4	3/4	115/1	MULTI SPEED	PROVIDE TACO SP115-1 SMARTPLUG HOT WATER CONTROL

GREASE INTERCEPTOR SCHEDULE						
MARK	MAKE	MODEL	INLET & OUTLET (INCHES)	FLOW RATE (GPM)	GREASE CAPACITY (LBS)	ACCESSORIES & NOTES
GI-1	SCHIER	GB-250	4" FPT (4" PLAIN END)	100	1895	-



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PLUMBING
SCHEDULES &
DETAILS