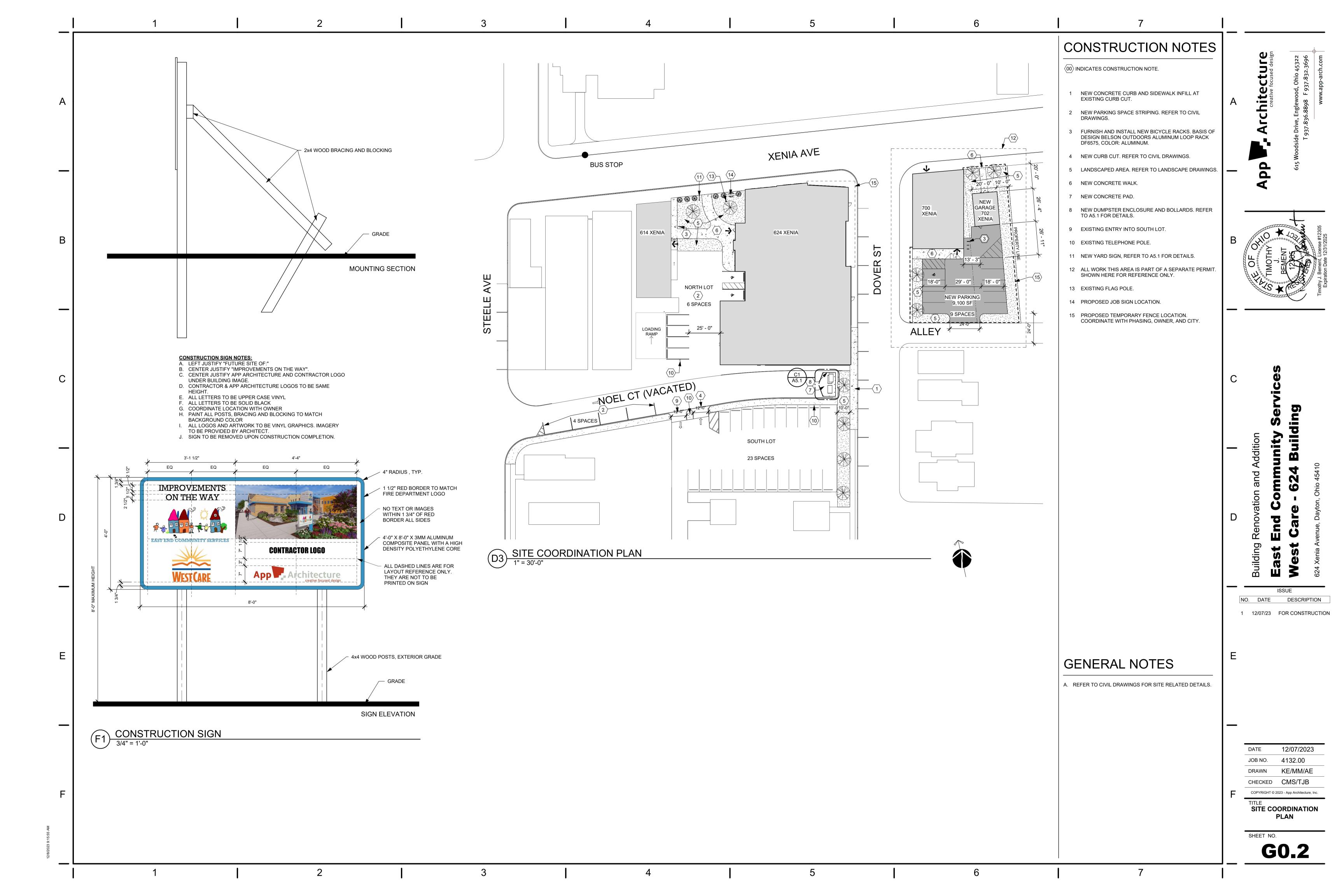
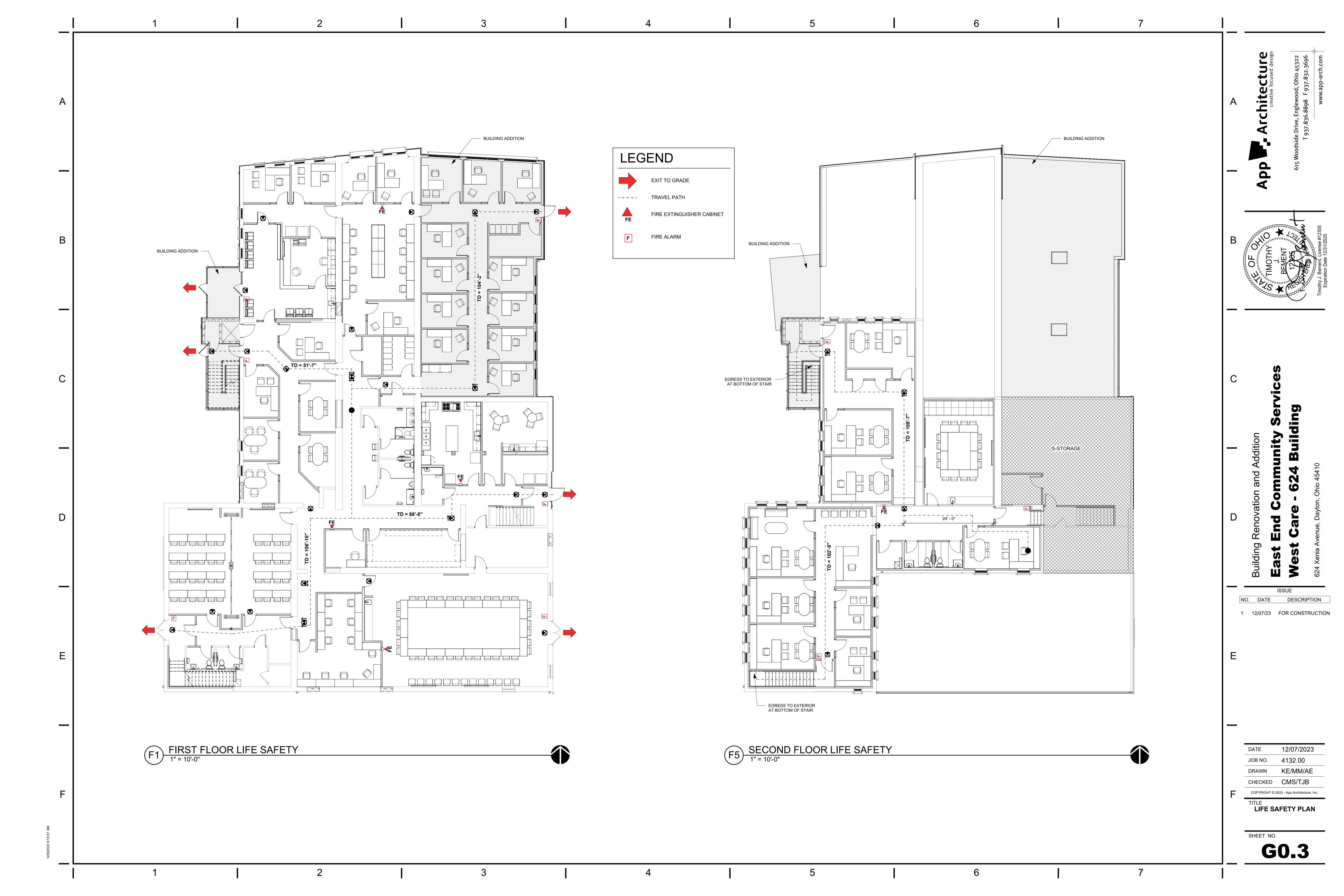
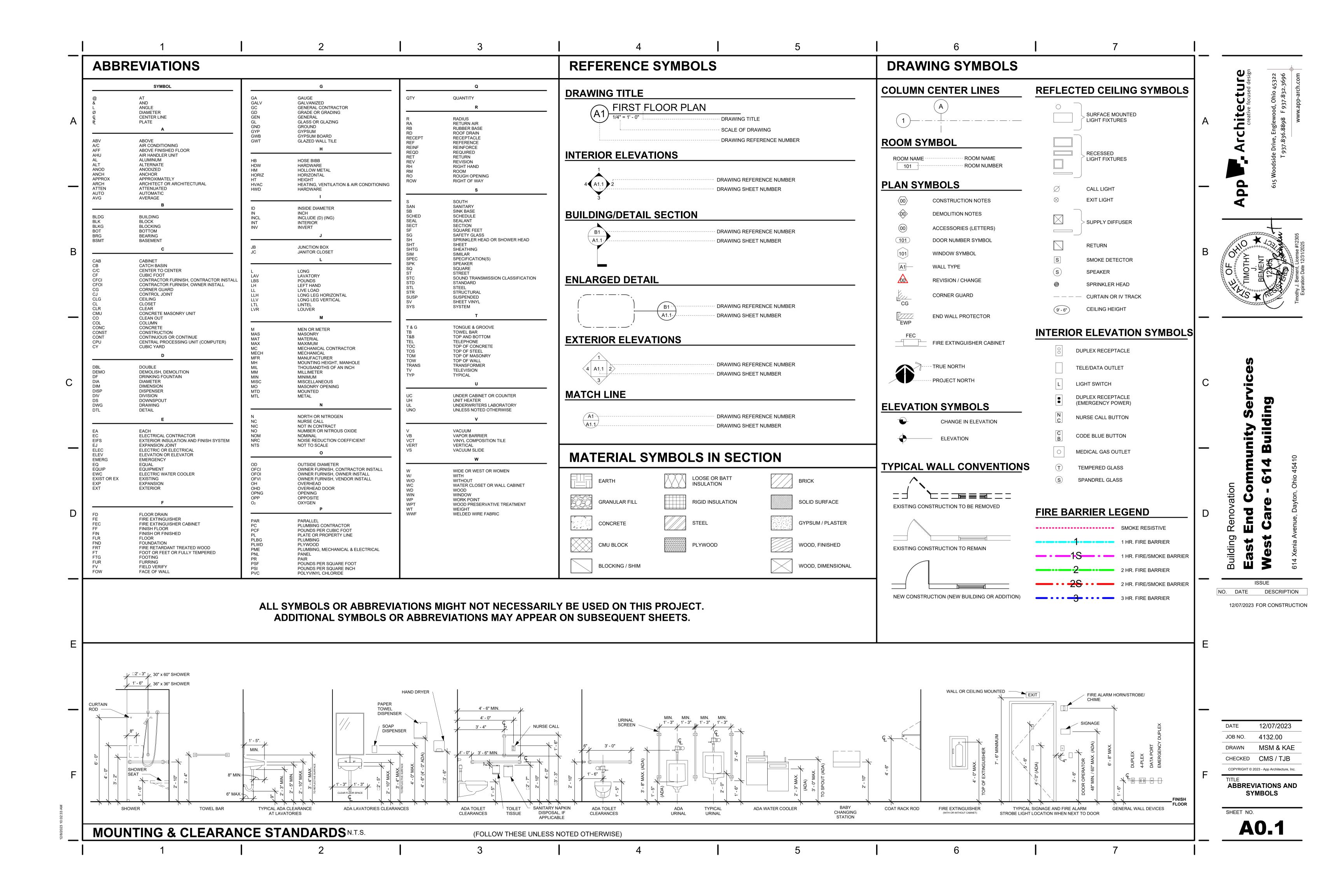


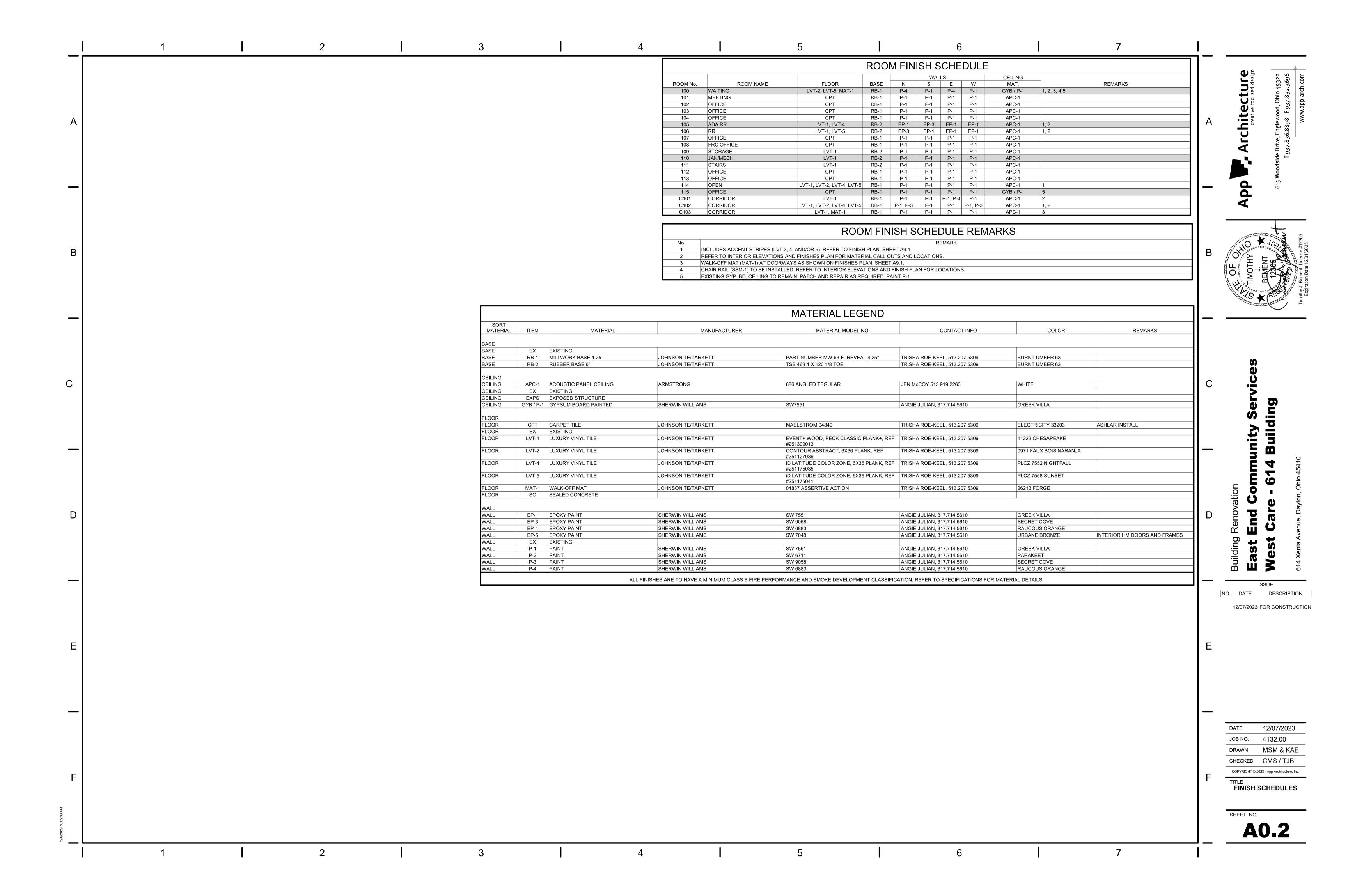
DRAWING INDEX **GENERAL** New Garage **COVER SHEET** SITE COORDINATION PLAN **East End Community Services** CIVIL **GENERAL NOTES GENERAL NOTES** West Care - 702 GARAGE **GENERAL DETAILS EXISTING CONDITIONS PLAN** DIMENSIONING AND PAVEMENT PLAN DIMENSIONING AND PAVEMENT PLAN **GRADING PLAN** PAVEMENT ELEVATION PLAN 702 Xenia Avenue, Dayton, Ohio 45410 LANDSCAPE PLAN **ARCHITECTURAL ARCHITECT** PLANS AND SCHEDULES **EXTERIOR ELEVATIONS** App Architecture **EXTERIOR DETAILS** EXTERIOR DETAILS - GARAGE DOOR DETAILS 615 Woodside Drive Englewood, Ohio 45322 (937) 836-8898 **STRUCTURAL GENERAL NOTES GENERAL NOTES** SPECIAL INSPECTIONS CIVIL ENGINEER STRUCTURAL PLANS STRUCTURAL DETAILS Choice One Engineering **ELECTRICAL** 8956 Glendale Milford Rd. Suite Loveland, OH 45410 ELECTRICAL LEGEND AND GENERAL NOTES (513) 239-8554 ELECTRICAL PLANS PANELBOARD SCHEDULES AND SINGLE LINE DIAGRAM MECHANICAL, ELECTRICAL, AND STRUCTURAL ENGINEERS L2 Engineering 7949 Washington Woods Drive Dayton, Ohio 4549 (937) 361-6731 CODE INFORMATION (OBC 2017) **VICINITY MAP** DESCRIPTION NO. DATE OCCUPANT LOAD OTHER PROVISIONS PROJECT DESCRIPTION: 12/07/2023 FOR CONSTRUCTION PROJECT CONSISTS OF CONSTRUCTION A NEW GARAGE TO STORE A TRANSPORTATION 200 S.F. PER OCCUPANT OBC (1004) ALLOWABLE= VAN AND THE CONSTRUCTION OF A NEW PARKING LOT ADJACENT TO THE GARAGE. GOVERNING CODE: 2017 OHIO BUILDING CODE. B - USE GROUP S-2: 527 S.F. / 200 = 3 **BUILDING DESCRIPTION:** DESIGN OCCUPANT LOAD= 3 OCCUPANTS BUILDING IS CONSTRUCTED OF LOAD BEARING MASONRY WALLS WITH WOOD ROOF STRUCTURE. BUILDING IS UNHEATED AND NOT INSULATED. FIRE PROTECTION USE GROUP CLASSIFICATION: (REFER TO USE GROUP PLAN THIS SHEET) BUILDING DESCRIPTION= UNSUPPRESSED OBC (302) USE GROUP S-2: STORAGE CONSTRUCTION TYPE CLASSIFICATION: 12/07/2023 OBC (602) CONSTRUCTION TYPE= VB 4132.00 MSM/AEE **HEIGHT AND AREA LIMITATIONS** CHECKED CMS/TJB 13,500 S.F. FOR S-2 USE GROUP ALLOWABLE AREA: COPYRIGHT © 2023 - App Architecture, Inc **ACTUAL AREA:** ALLOWABLE HEIGHT: 40'-0" (2 STORY) **COVER SHEET ACTUAL HEIGHT:** 14'-8" (1 STORY) **G0.1** 

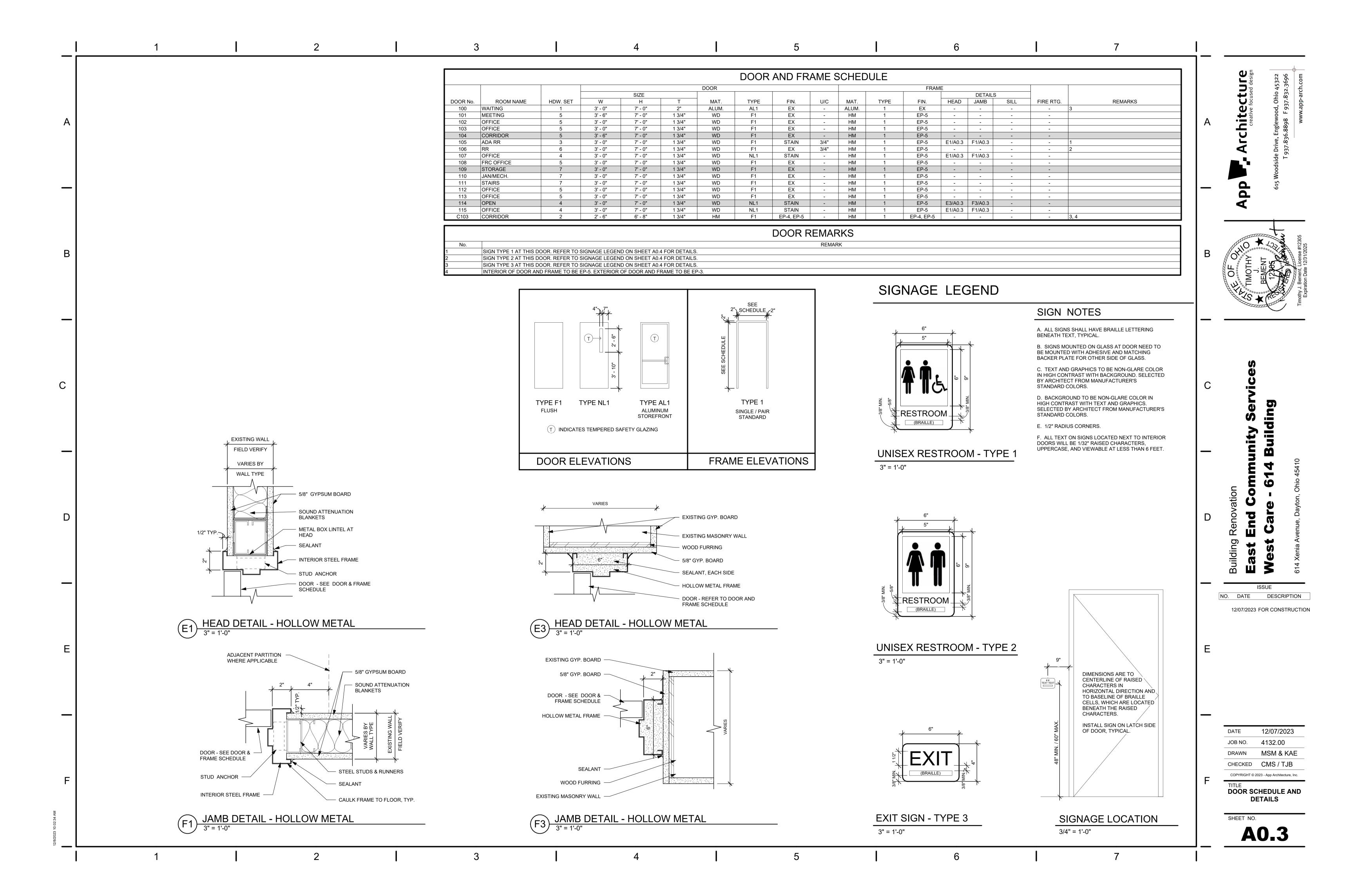


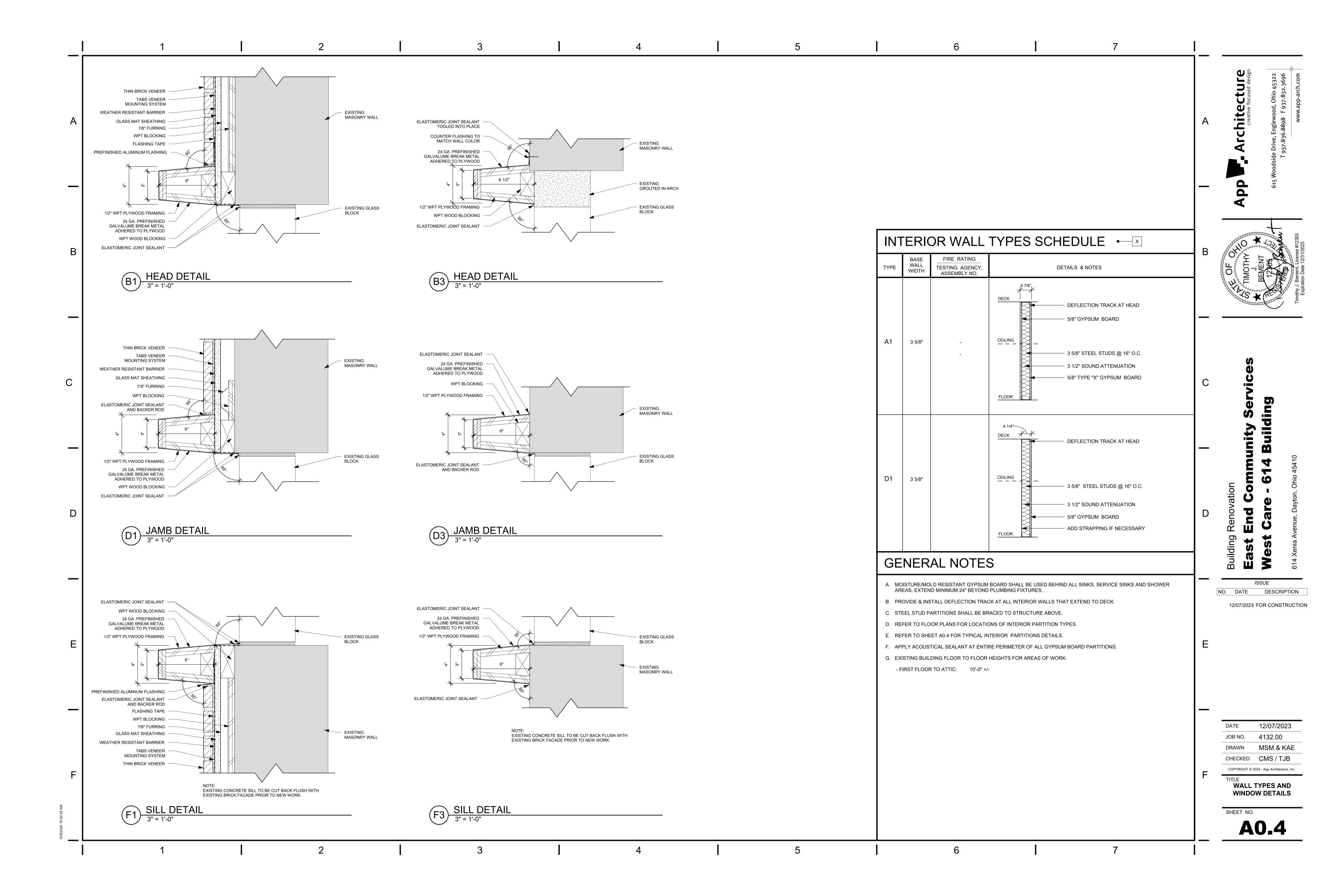


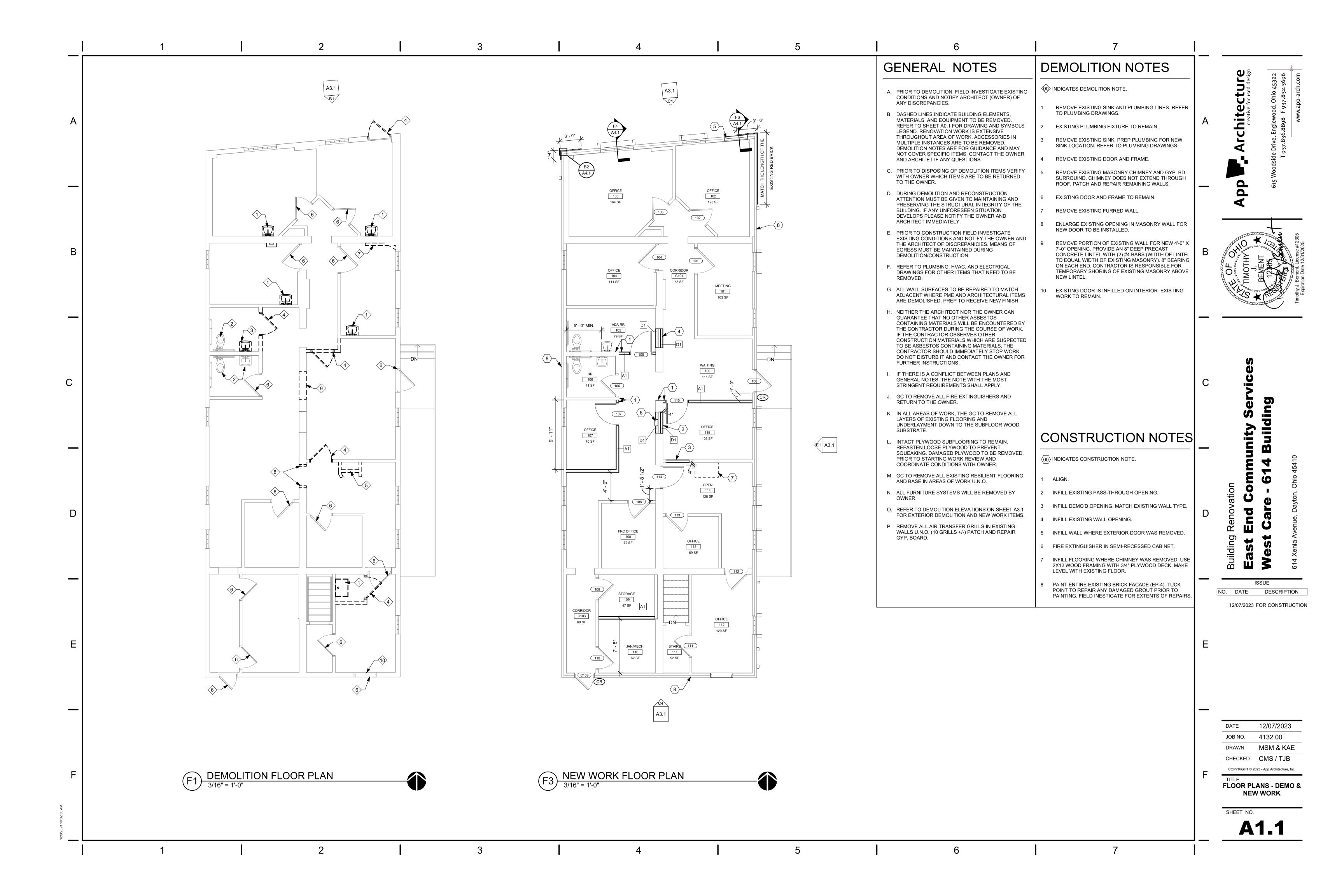


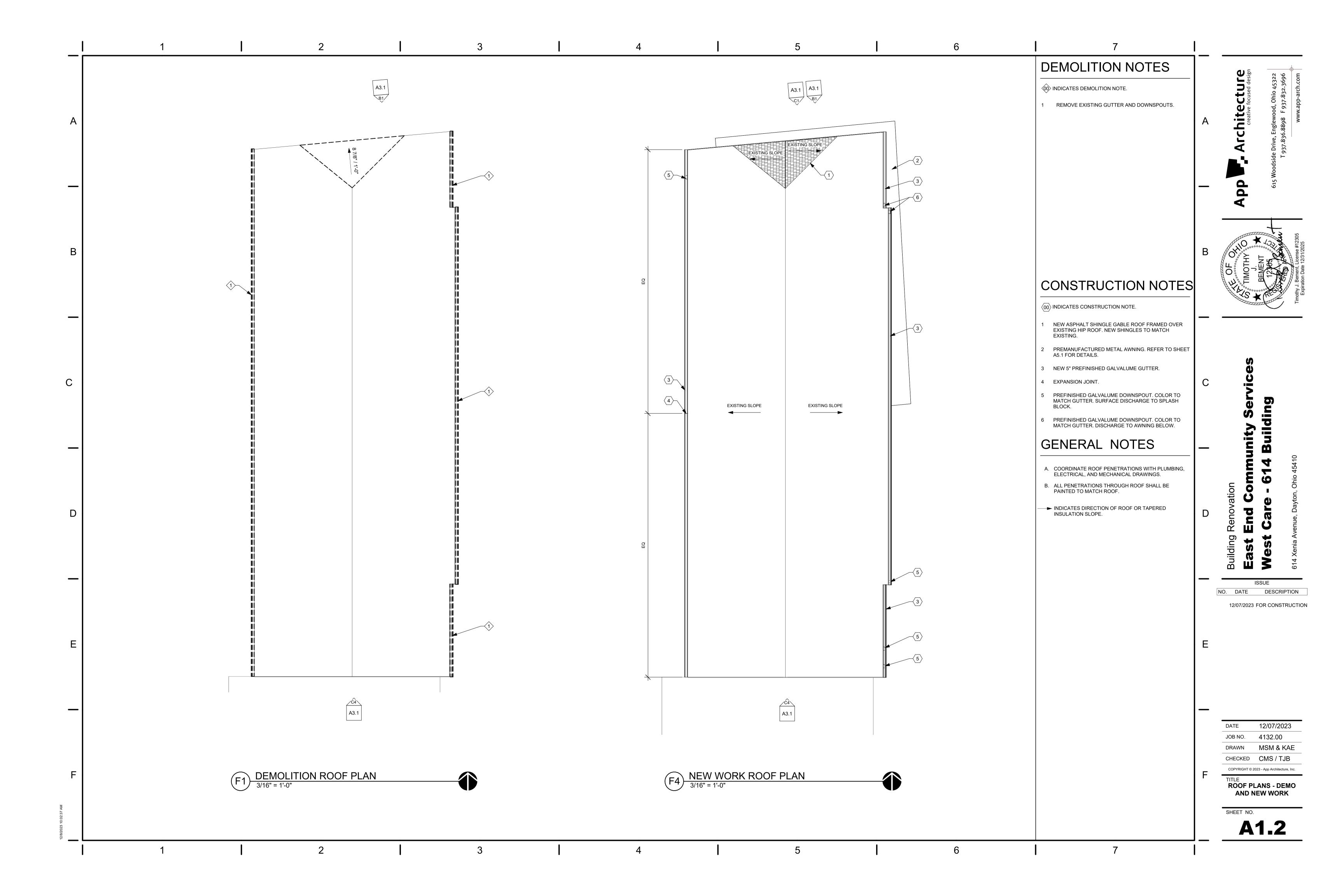


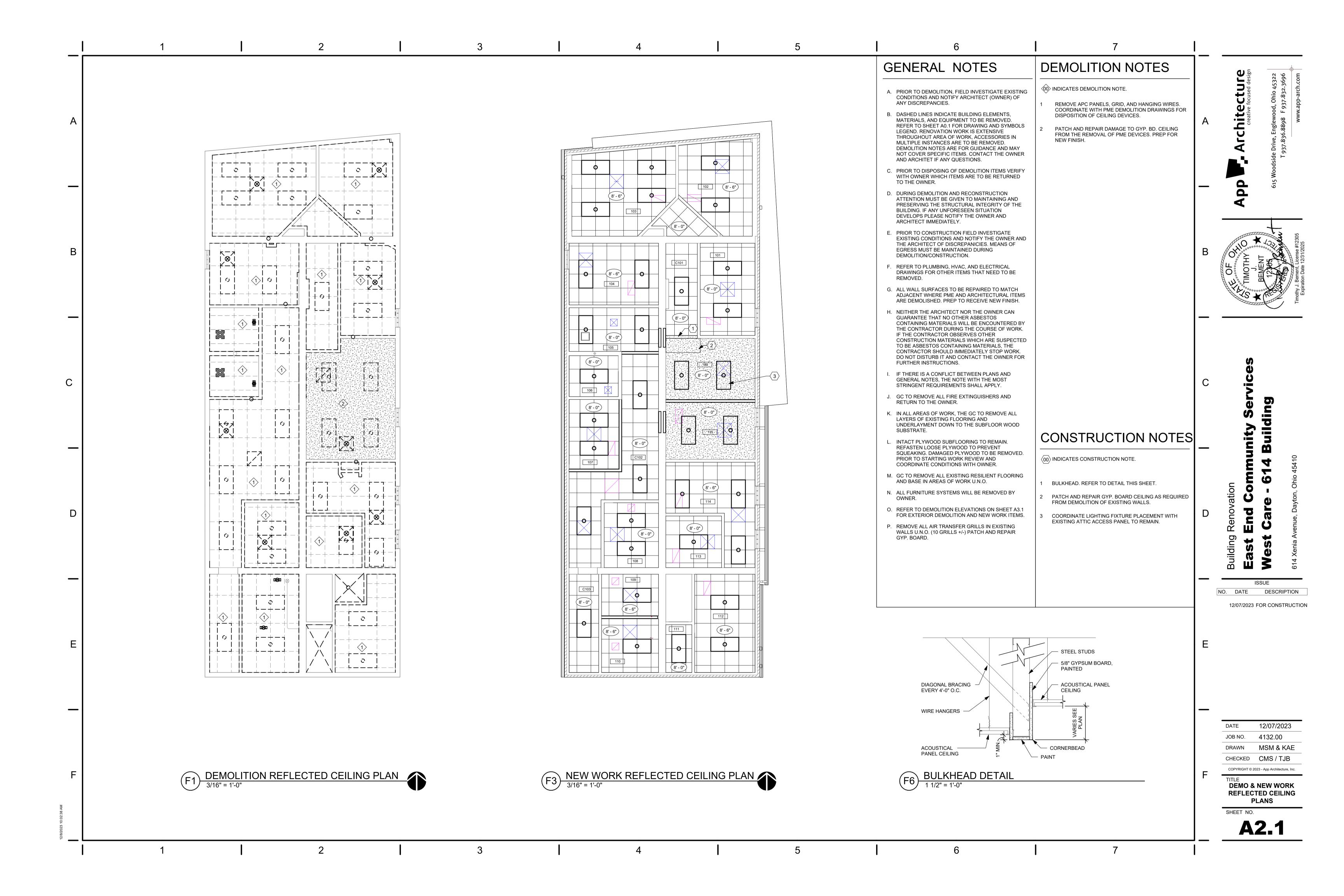


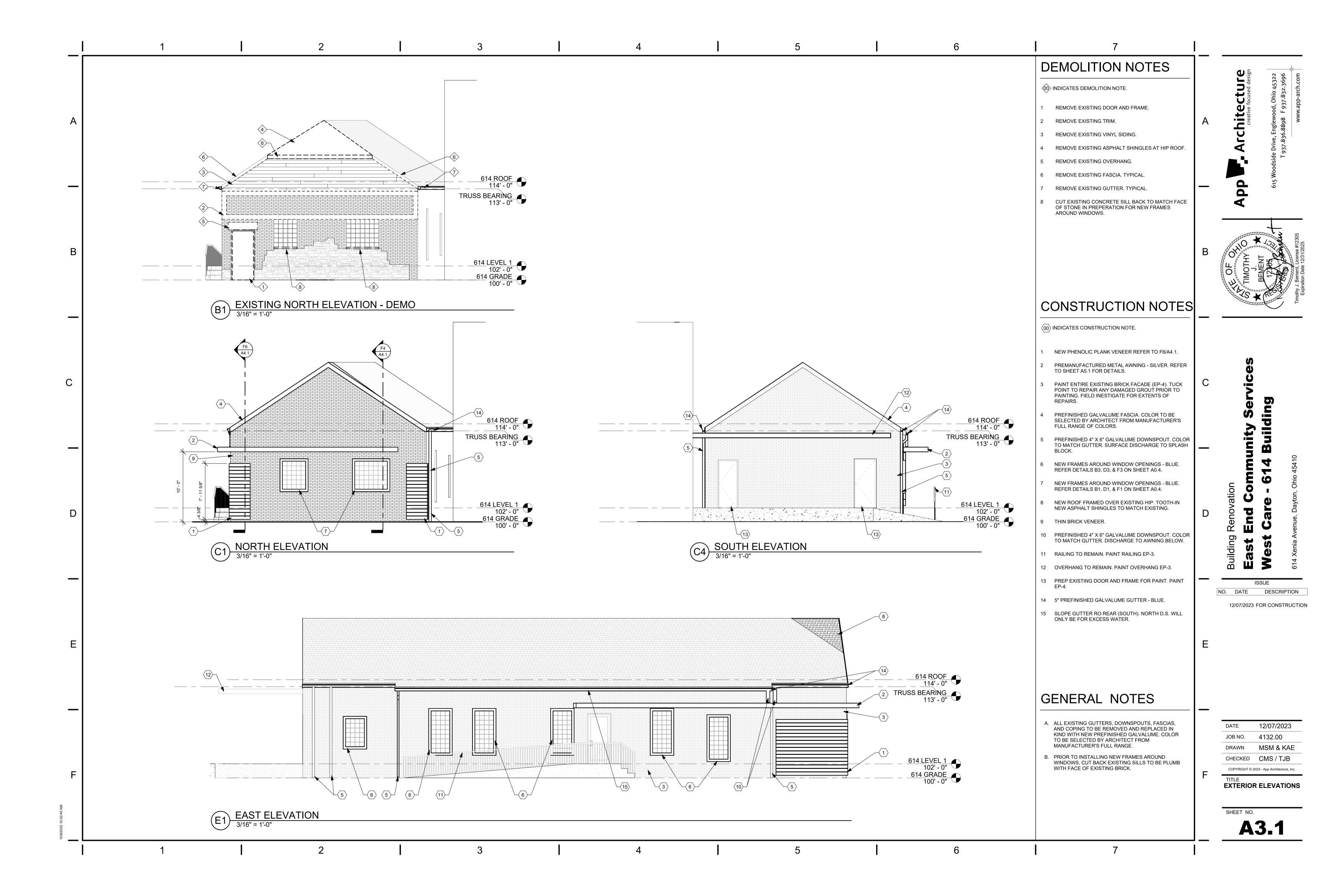


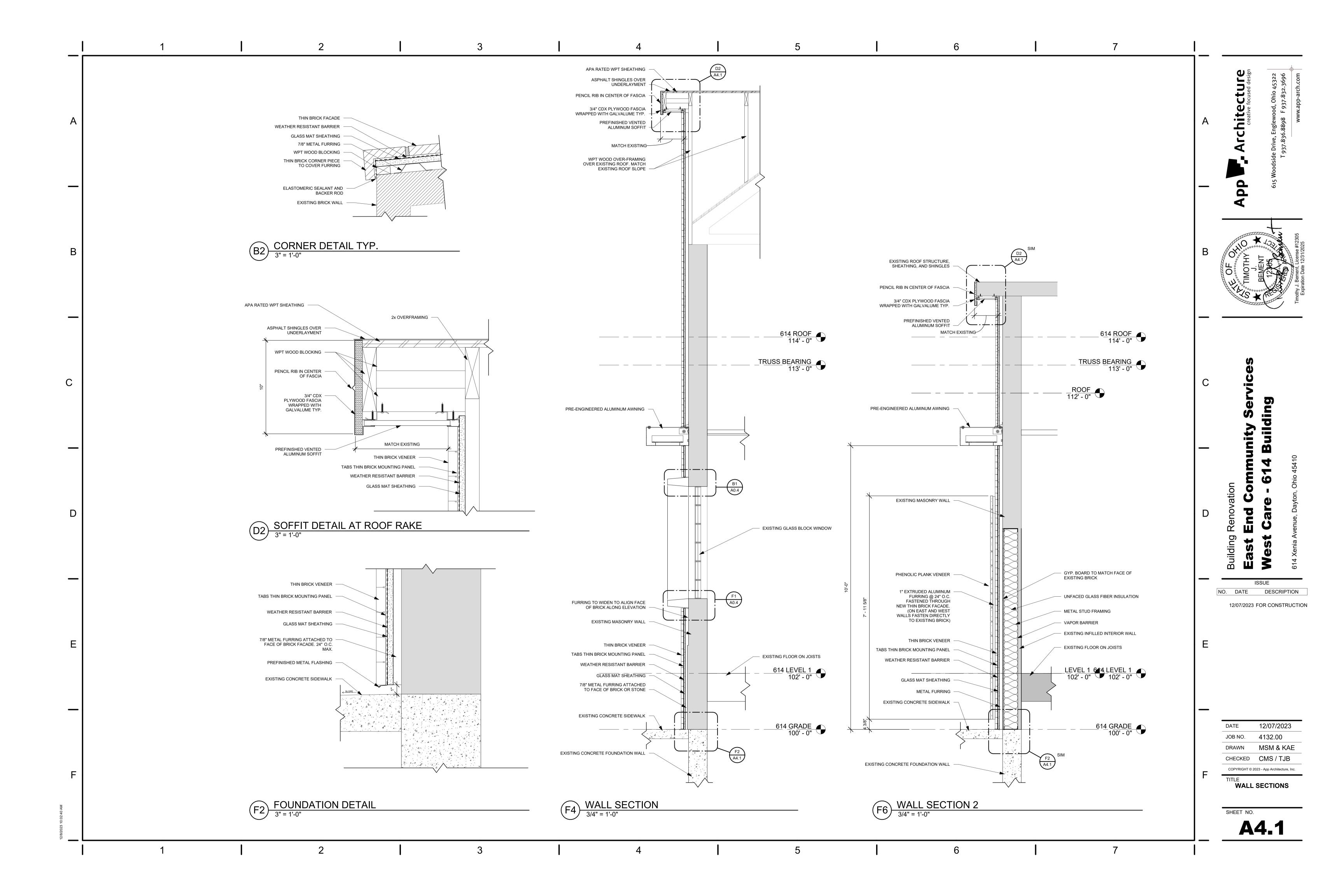


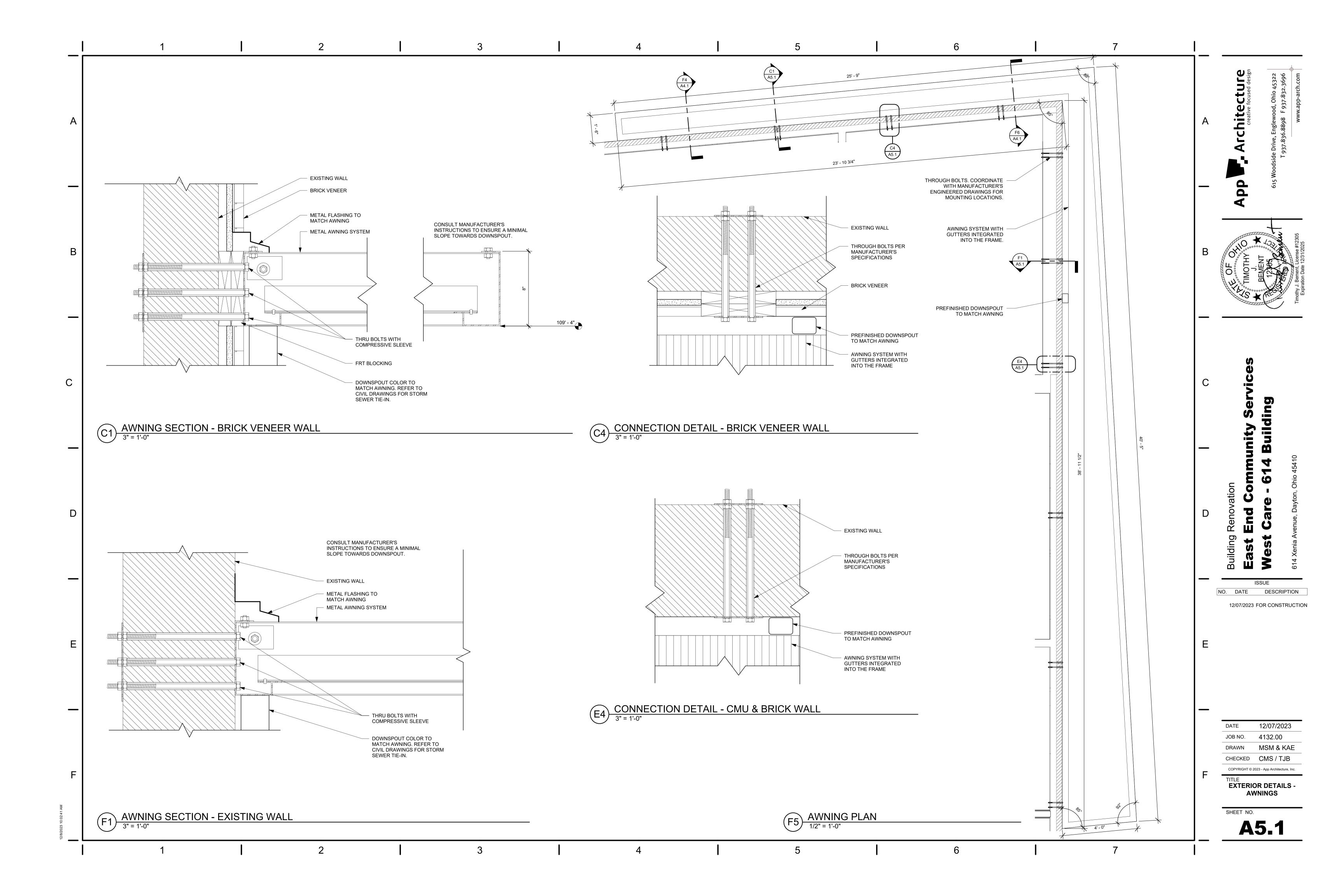


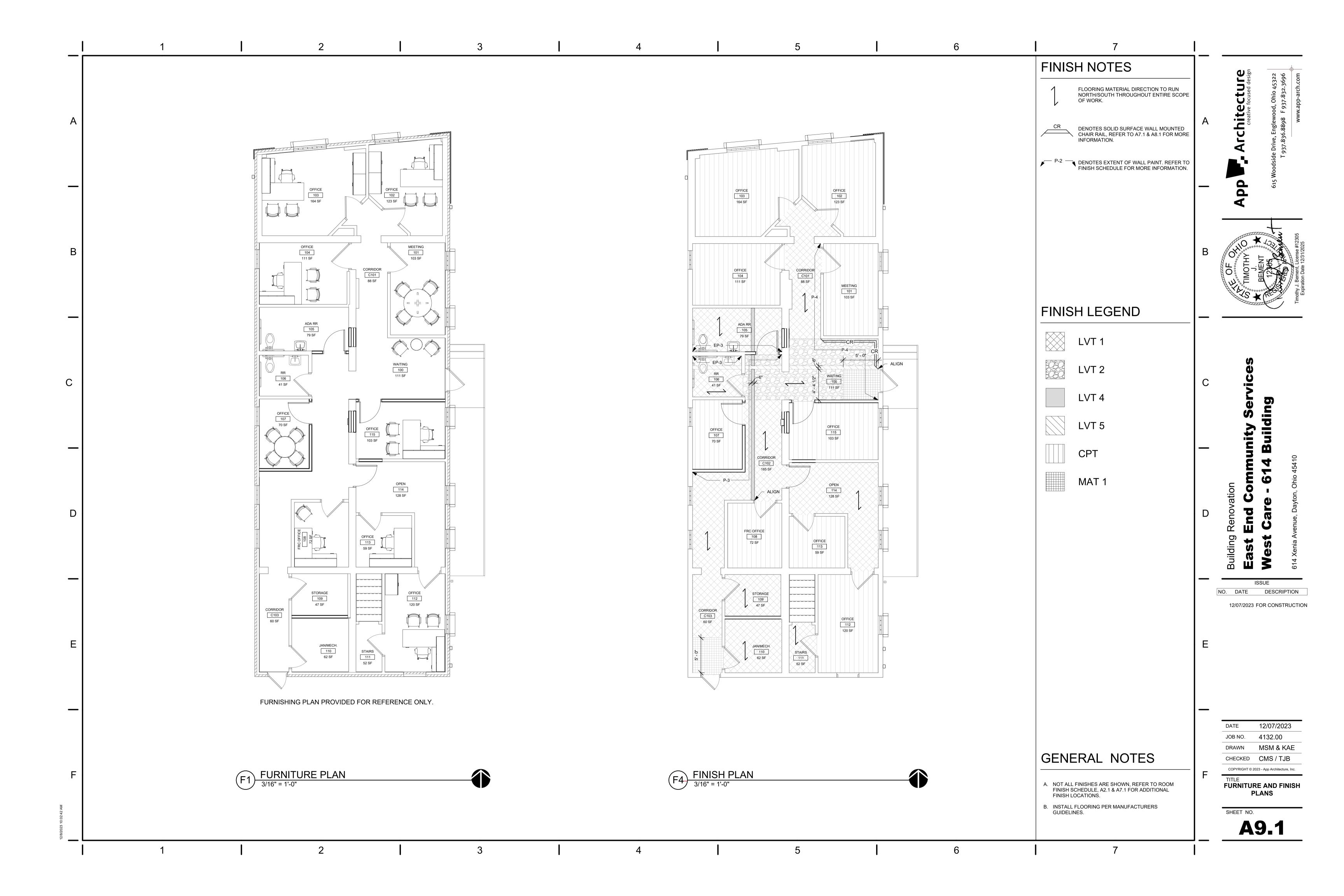


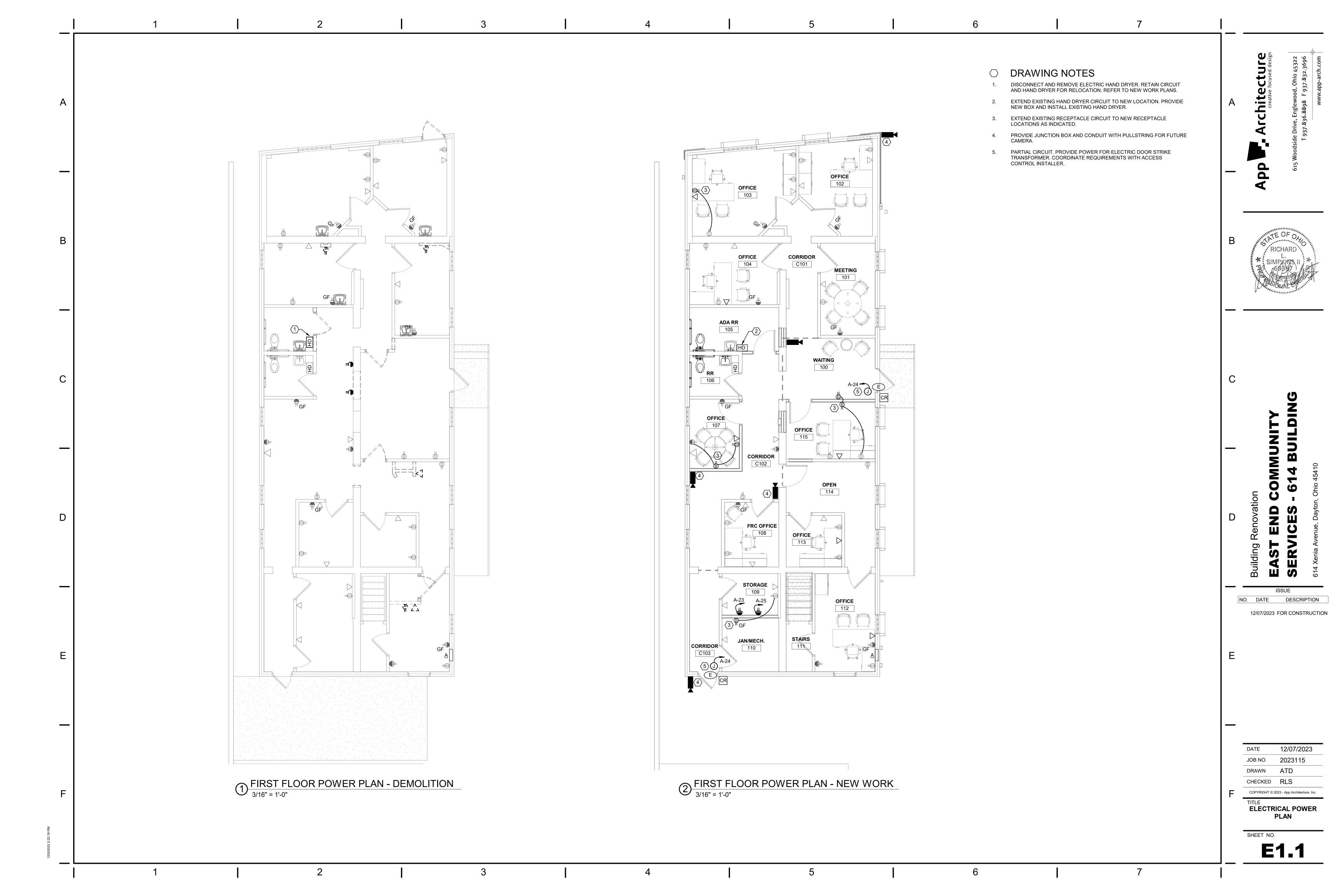












Lange Drive, Englewood, Ohio 45322

RICHARD SIMPKINS II

С

ND COMMUNITES - 614 BUILD

Building Renov

EAST EN

ISSUE

NO. DATE DESCRIPTION

12/07/2023 FOR CONSTRUCTION

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DATE 12/07/2023

JOB NO. 2023115

DRAWN ATD

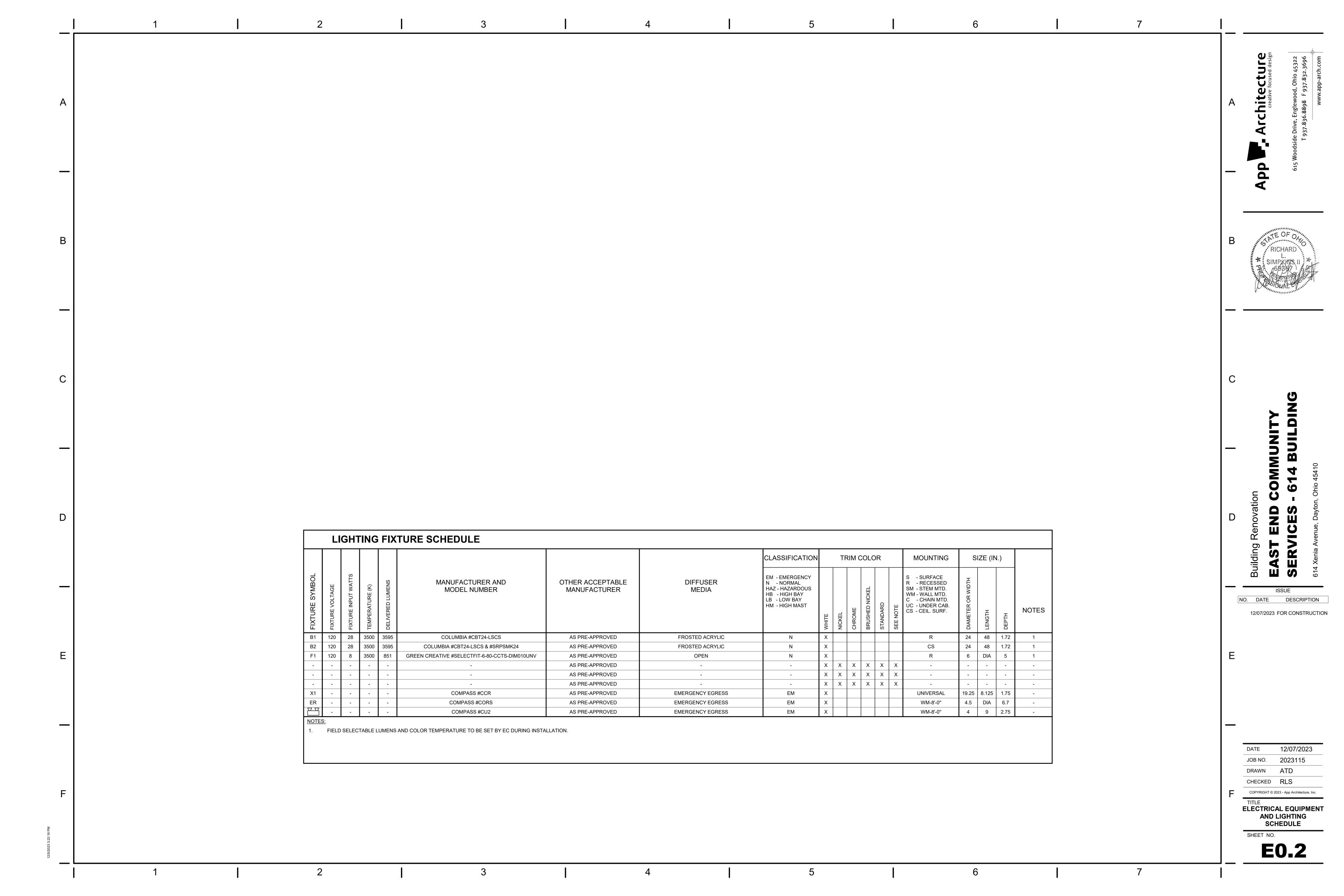
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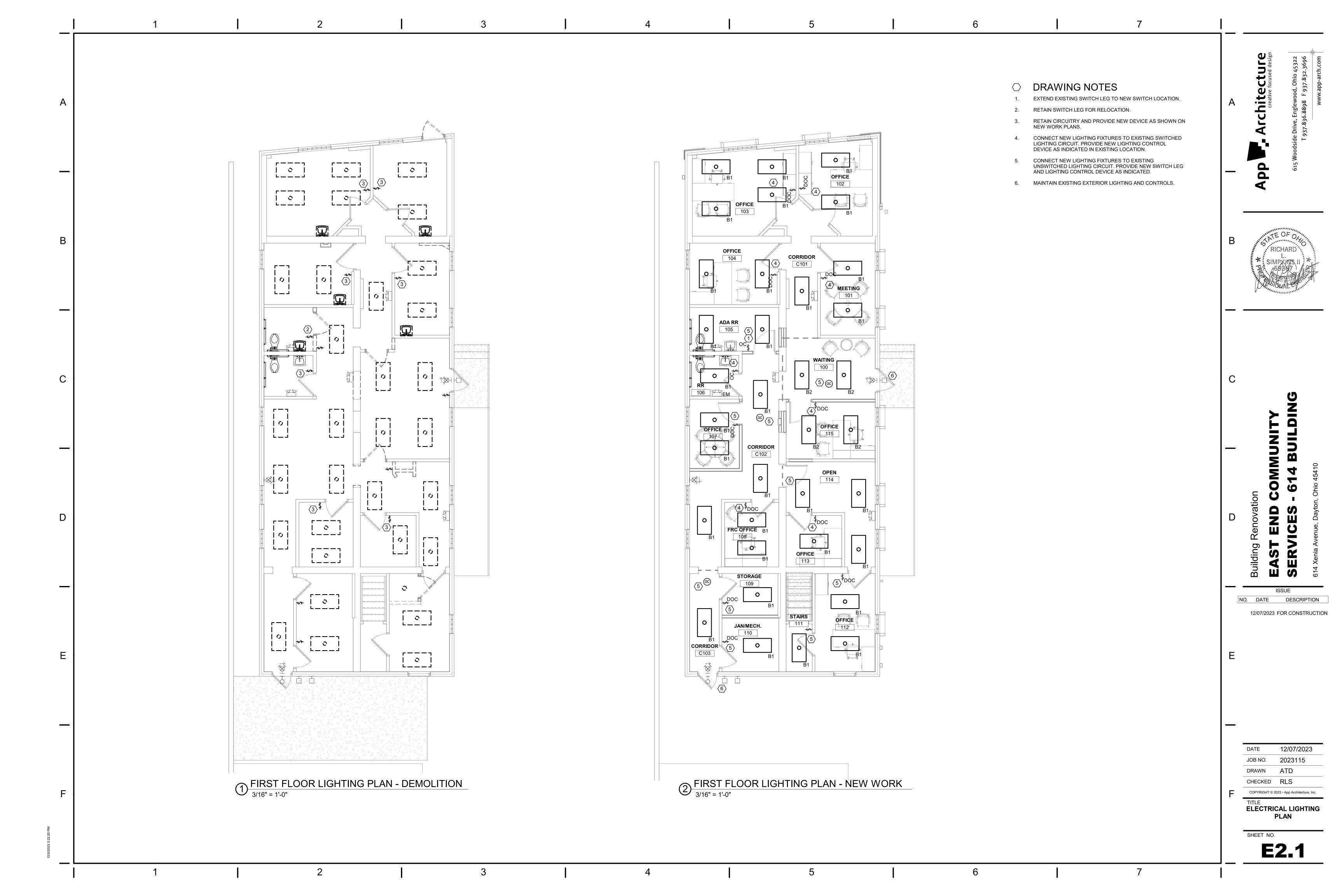
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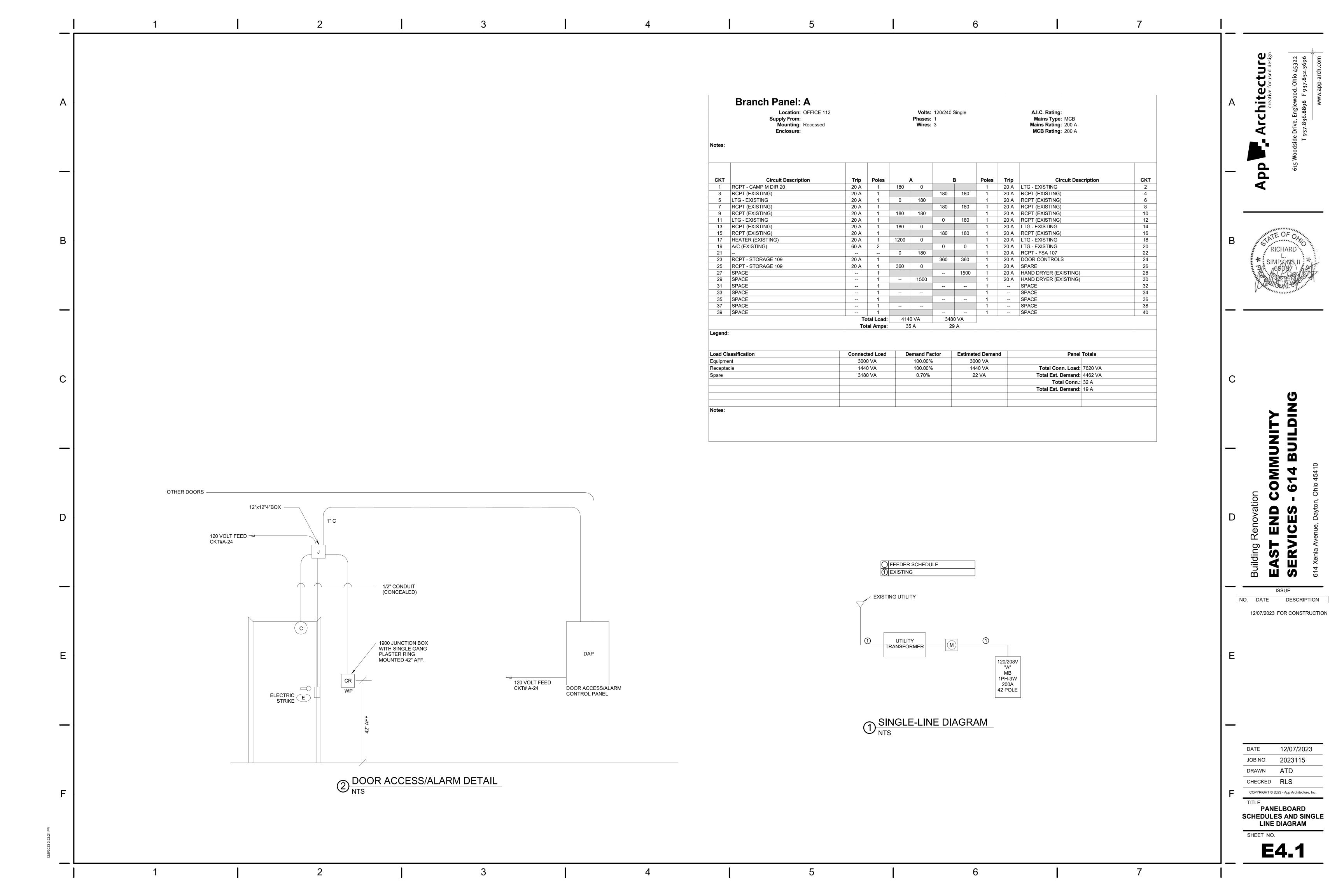
ELECTRICAL LEGEND AND GENERAL NOTES

SHEET NO.

**E0.**1







**SUPPORT AND BRACING:** INSTALL RIGID ROUND AND RECTANGULAR METAL

MAXIMUM INTERVAL OF 10 FEET AND AT EACH FLOOR. FLEXIBLE AND OTHER FACTORY MADE DUCTS SHALL BE SUPPORTED IN ACCORDANCE WITH THE

MANUFACTURER'S INSTALLATION INSTRUCTIONS. NO WOOD SHALL BE USED TO

REQUIRED BY STATE AND LOCAL CODES. PROVIDE FIXED ANCHORS AT EACH

CONTRACTOR TO PROVIDE SUPPORT WIRES AT OPPOSITE CORNERS OF LIGHT

FIXTURES, MECHANICAL DIFFUSERS, AND GRILLES TO STRUCTURE ABOVE.

DUCTWORK WITH APPROVED SUPPORT SYSTEMS INDICATED IN SMACNA STANDARDS AND STATE BUILDING CODE. SUPPORT HORIZONTAL DUCTS AT A MAXIMUM INTERVAL OF 10 FEET AND WITHIN 2 FEET OF EACH ELBOW AND

WITHIN 4 FEET OF EACH BRANCH INTERSECTION USING DOUBLE STRAP

HANGERS ON EACH SIDE OF FITTING, SUPPORT VERTICAL DUCTS AT A

SUPPORT OR BRACE DUCTS. PROVIDE SWAY AND SEISMIC BRACING AS

MECHANICAL DIFFUSER OR GRILLE TO CEILING GRID. CEILING GRID

## RADIUS RECTANGULAR ELBOW SUPPLY OR OUTSIDE AIR ROUND DUCT UP RETURN OR EXHAUST AIR ROUND DUCT UP ROUND DUCT DOWN ROUND OFFSET **ROUND ELBOW ROUND WYE** RECTANGULAR BRANCH TAKEOFF RECTANGULAR DUCT TERMINATION ROUND DUCT TERMINATION ANNOTATION SYMBOL LEGEND SECTION SYMBOL **EQUIPMENT PLAN MARK DETAIL SYMBOL** H-100 AIR DEVICE AND DUCT ACCESS. LEGEND SUPPLY AIR DIFFUSER (HARD CONNECTION) RETURN OR EXH. GRILLE (HARD CONNECTION) 14X14 TRANSFER OPENING IN WALL SIDEWALL DIFFUSER SUPPLY AIR DIFFUSER TRANSFER OPENING IN WALL (HARD CONNECTION) RETURN OR EXH. GRILLE (HARD CONNECTION) PIPE SYMBOL LEGEND → C PIPE DOWN → PIPE UP $\leftarrow \xrightarrow{\mathfrak{T}}$ TEE DOWN → ↓ TEE UP PIPE BREAK (FOR CLARITY) E CAPPED PIPE ├──RS── REFRIGERANT SUCTION PIPE

→ RHG → REFRIGERANT HOT GAS PIPE

HVAC INDEX OF DRAWINGS SHEET **NUMBER** SHEET NAME HVAC LEGEND AND GENERAL NOTES H0.2 HVAC SCHEDULES & DETAILS H1.1 HVAC FLOOR PLANS

SHEET NO.

CHECKED **JLW** 

H0.1

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**ISSUE** 

12/07/2023 FOR CONSTRUCTION

12/07/2023

2023115

JLW

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**HVAC LEGEND AND** 

**GENERAL NOTES** 

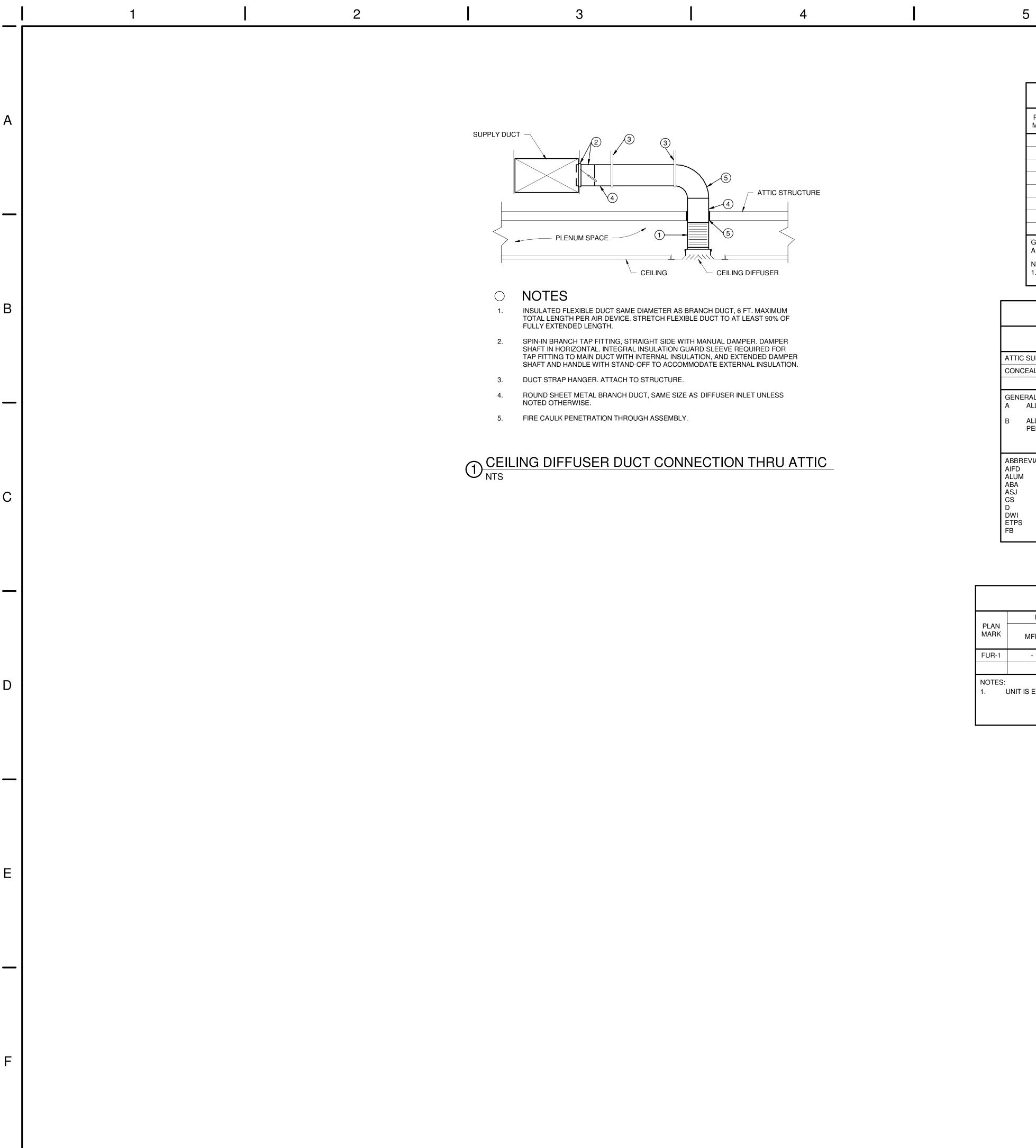
DESCRIPTION

NO. DATE

DATE

JOB NO.

DRAWN



	All	R DEVI	CE SCH	IEDUL	E			
PLAN	DESCRIPTION	BASIS OF	DESIGN	MOUNTING	FINISH	MATERIAL	ACCESSORIES	NOTES
MARK	DESCRIFTION	MFR	MODEL	INICONTING	ГІМІОП	IVIATENIAL	ACCESSONIES	NOTES
A1	SQUARE FACE DIFFUSER, 24x24 FACE	TITUS	TMS	LAY-IN	WHITE	STEEL	-	-
A2	SQUARE FACE DIFFUSER, 12x12 FACE	TITUS	TMS	LAY-IN	WHITE	STEEL	-	-
А3	SQUARE FACE DIFFUSER, 24x24 FACE	TITUS	TMS	SURFACE	WHITE	STEEL	OPP. BLADE DMPR	-
B1	EGGCRATE CEILING GRILLE, 24x24 FACE	TITUS	50F	LAY-IN	WHITE	ALUM.	-	-
B2	EGGCRATE CEILING GRILLE, 24x12 FACE	TITUS	50F	LAY-IN	WHITE	ALUM.	-	-
C1	SIDEWALL SUPPLY GRILLE	TITUS	272RL	SURFACE	WHITE	STEEL	OPP. BLADE DMPR	-
D1	SIDEWALL RETURN GRILLE	TITUS	350RL	SURFACE	WHITE	STEEL	OPP. BLADE DMPR	-
	AL NOTES: CARNES AND KRUEGER ACCEPTABLE ALTERN	IATE MANUFA	CTURER					

DUCT SYSTEM	SHAPE	PRESS.	MATERIAL		LINER			INSUL	ATION		NOTES
DOCT SYSTEM	SHAPE	CLASS W.G.	IVIATERIAL	THK.	TYPE	D	THK.	TYPE	D	JACKET	1
ATTIC SUPPLY & RETURN	RND/RECT	-/+2"	GS	-	-	-	1.5"	FGW	-	FFJ	
CONCEALLED SUPPLY AIR DEVICE RUNOUT	RND	+1"	IFD	-	-	-	1.5"	IFD	-	FFJ	2
B ALL DUCT JOINTS AND SEAMS SHALL BE	JEALED	2.							NIAII V	INICI II ATED	١
PER OMC CHAPTER 5.			TIOOND TIC	JNO013	TO AIR D	EVICES	SHALL	BE EXTER	INALLY	INSULATED	).

LOUVER SHALL BE PAINTED TO MATCH EXTERIOR COLOR.

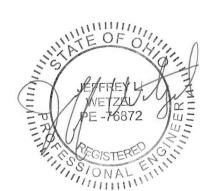
	BASIS	OF DESIGN				HEA	TING	NOM.	Г	IMENSIO	V	EL	ECTRIC	AL	
PLAN MARK	MFR	MODEL	CFM	VENT. AIR CFM	ESP	MBH INPUT	MBH OUTPUT	COOL CAPACITY (TONS)	WIDTH	DEPTH	HEIGHT	V/PH	MCA	МОСР	NOTES
FUR-1	-	-	1,950	185	0.50"	100	92	5	21"	29"	34"	120/1	12.9	20	1

	ASSOCIATED	BASIS OF DESIGN		NOM.	AMB. TEMP	MIN. UNIT	REFRIG.	ELE	L	NOTES	
	INDOOR UNIT	MFR	MODEL	TONS	(°F)	EER	MEI MG.	V/PH	MCA	MOCP	INOTES
CU-1	FUR-1	-	-	5	95	14	R410A	208-230/1	27.5	40	1

	HVAC DESIGN C	RITERIA		
GENERAL DESIGN I	<u>INFORMATION</u>	OUTDOOR DESIGN INF	ORMATION	
LOCATION:	DAYTON, OHIO	SUMMER DRY BULB: SUMMER WET BULB: WINTER DRY BULB:	90.3°F (ASHRA 73.6°F (ASHRA 0.6°F (ASHRA	
APPLICABLE CODE	<u>S</u>	INDOOR DESIGN INFO	RMATION	
MECHANICAL: PLUMBING: ENERGY: VENTILATION:	2017 OHIO MECHANICAL CODE 2017 OHIO PLUMBING CODE ASHRAE 90.1-2010 ASHRAE 62.1-2016 or 2017 OHIO MECHANICAL CODE	INDOOR SUMMER DRY BI INDOOR SUMMER RELAT INDOOR WINTER DRY BU INDOOR WINTER RELATI	IVE HUMIDITY: ILB:	75°F 60% MAX 70°F AMBIENT

Architectu

crea 615 Woodside Drive, Englew



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END COMMUNITY

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NO. DATE DESCRIPTION

12/07/2023 FOR CONSTRUCTION

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 DATE
 12/07/2023

 JOB NO.
 2023115

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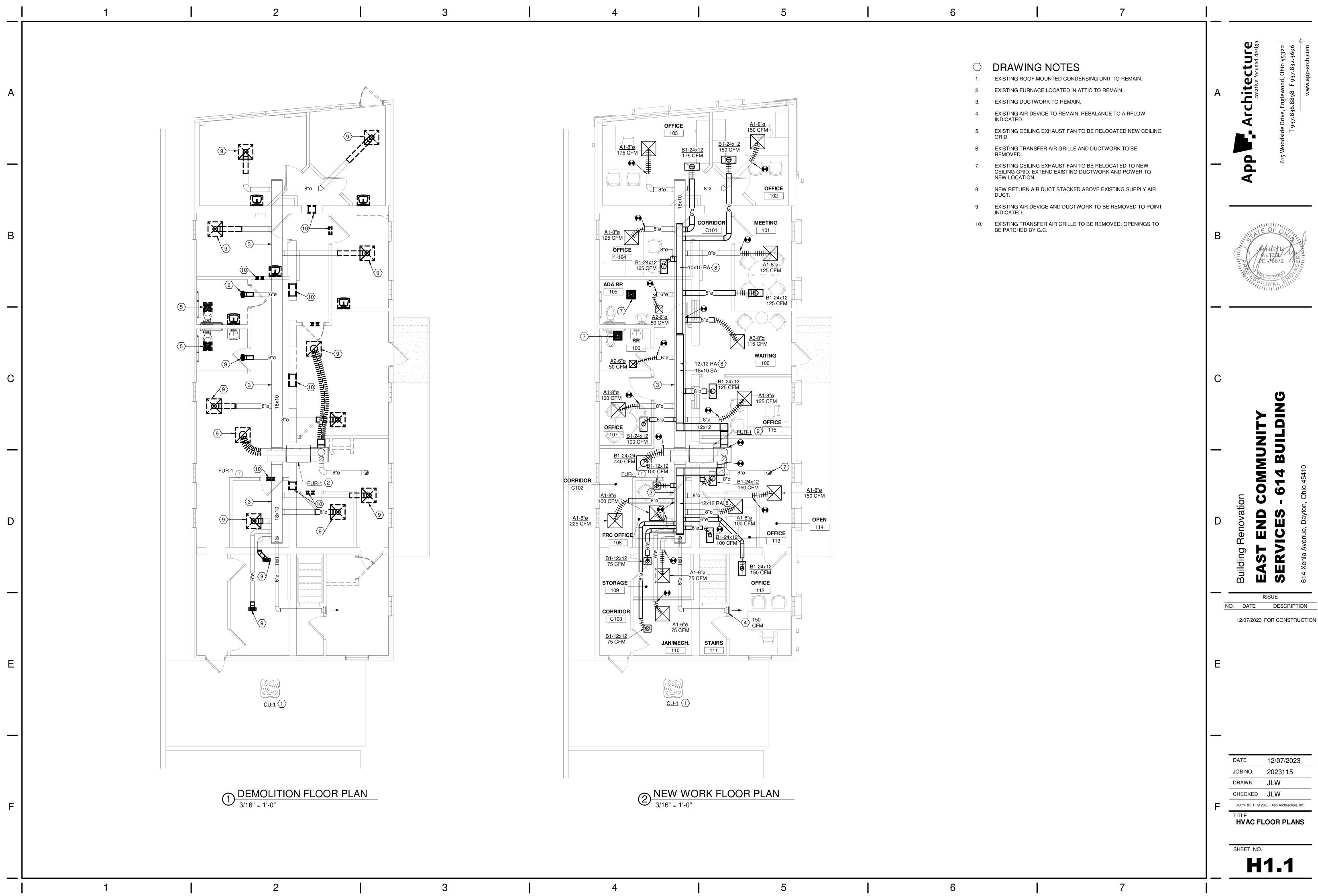
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HVAC SCHEDULES & DETAILS

SHEET NO.

H0.2

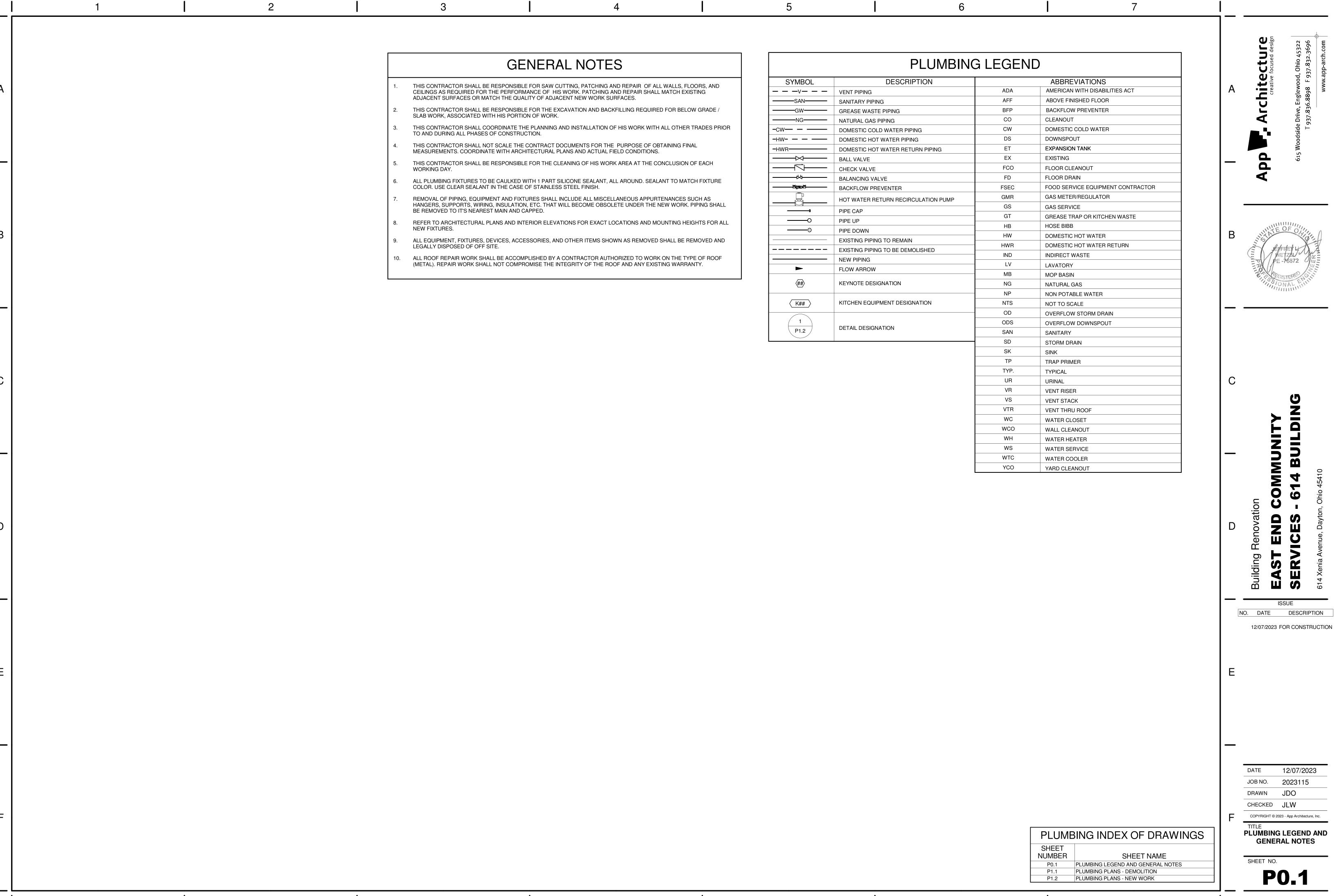


DESCRIPTION

12/07/2023 2023115 CHECKED JLW

HVAC FLOOR PLANS

H1.1

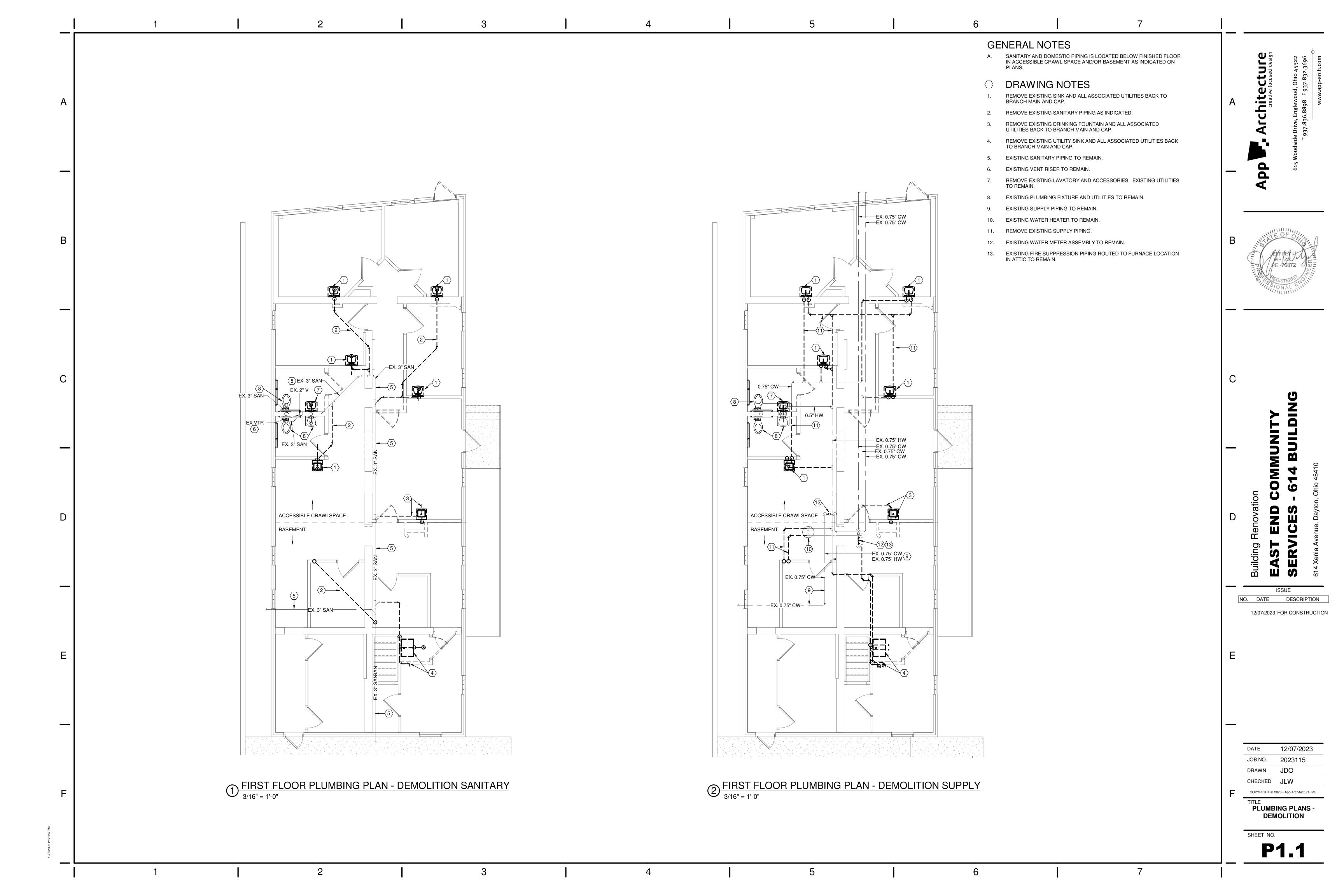


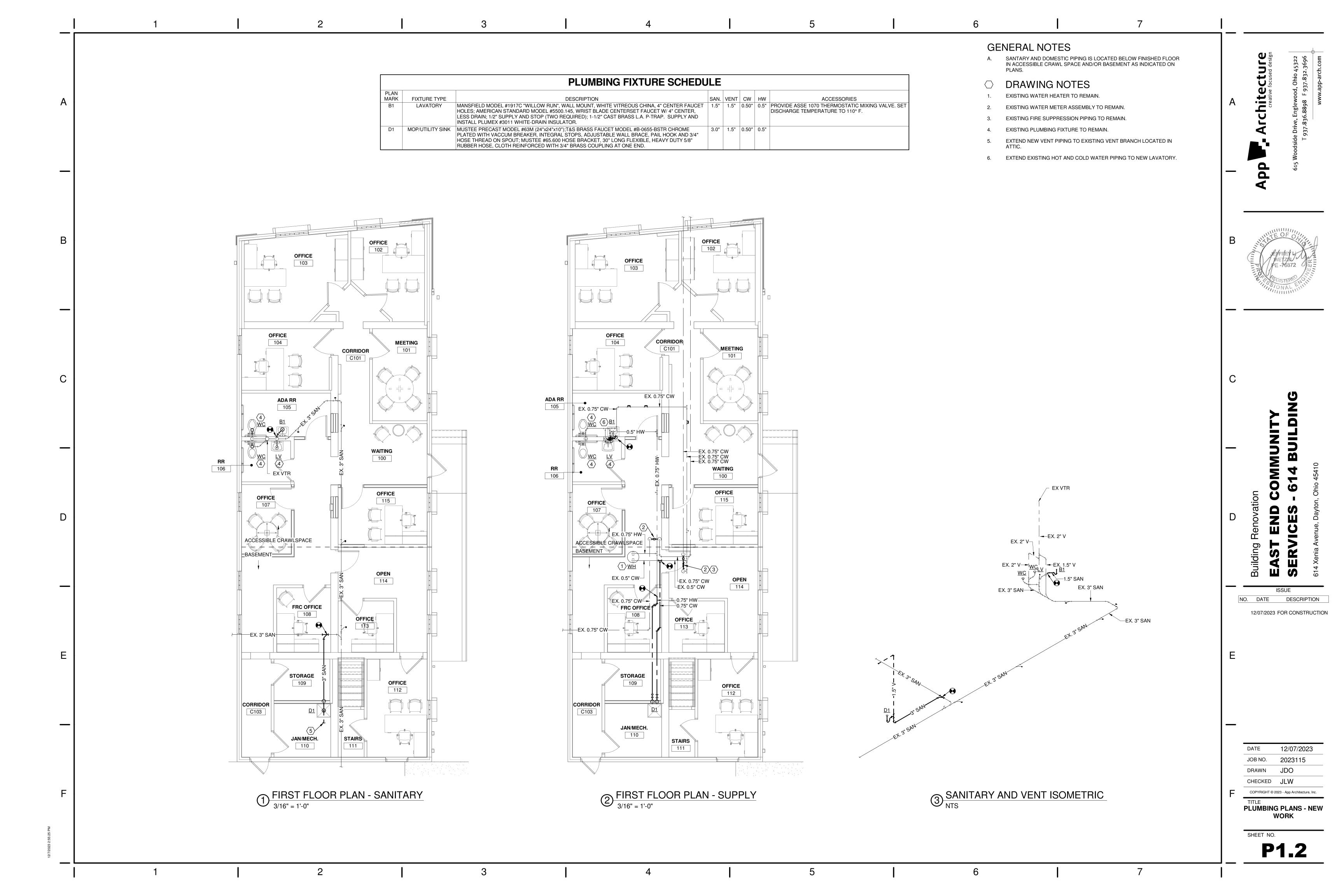
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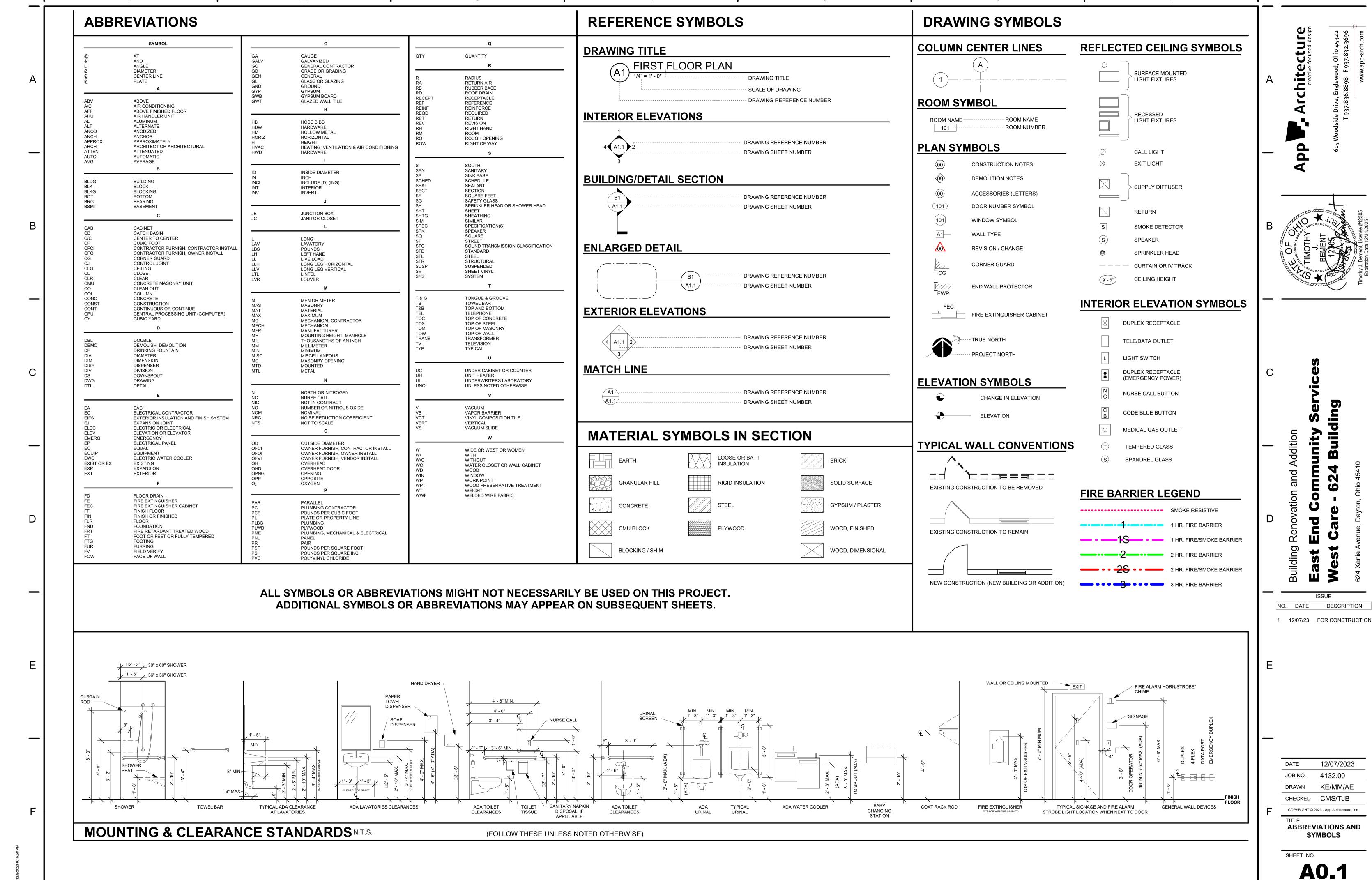
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PLUMBING LEGEND AND **GENERAL NOTES** 





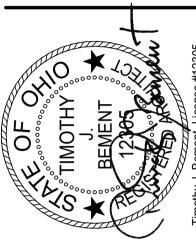


		ROOM	/ FINIS	SH SCH	HEDUL	E			
					V	VALLS		CEILING	
ROOM No.	ROOM NAME	FLOOR	BASE	N	S	E	W	MAT.	REMARKS
100	VESTIBULE	MAT-1	-	-	P-3	P-3	-	GWB/P-1	1,4
101	LOBBY	LVT-1, LVT-2, LVT-3	RB-1	P-1, P-4	P-1	P-1. P-4	P-1	APC-1	3,4,7
102	RECEPTIONIST	LVT-1	RB-1	P-1	P-1	P-1. P-4	P-1	APC-1	
103	PANTRY CLOSET	LVT-1	RB-1	-	P-1	P-1	P-1	GWB/P-1	
104	SENIOR OUTREACH	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
105	RISE FOR SENIORS	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
106	RECOVERY CM	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
107	SUPERVISOR	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
108	PEER SUPPORTERS	LVT-1, LVT-4, LVT-5	RB-1	P-1	P-1	P-1. P-2	P-2	APC-1	3,4
109	PREV. SPEC.	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
110	SUPERVISOR	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
111	COACH	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
112	COACH	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
113	COACH	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	1
114	WATER	SC	RB-1	P-1	P-1	P-1	P-1	GWP/P-1	
115	COACH	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
116	COACH	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
117	COACH	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
118	COACH	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
119	COACH	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
120	COACH	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
121	COACH	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
122	FILES	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	
123	CLOSET	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	
124	MECHANICAL	SC	RB-1	P-1	P-1	P-1	P-1	EXPS	
125	WOMENS	PT-1, PT-2	PTWB	EP-1	EP-1	PT-2, PT-3	EP-1	APC-1	2,4
126	MENS	PT-1, PT-2	PTWB	EP-1	EP-1	PT-2, PT-3	EP-1	APC-1	2,4
127	LACTATION	LVT-1	RB-1	P-3	P-1	P-1	P-1	GWB/P-1	1
128	KITCHEN	LVT-1	RB-2	FRP-1, SS	FRP-1	FRP-1	FRP-1,SS	GWB/P-1	1,4
129	BREAK ROOM	LVT-1	RB-1	P-4	P-1	P-1	P-1	GWB/P-1	1,4
131	TABLE & CHAIR STORAGE	LVT-1	RB-1	P-1	P-1	P-1	P-1	GWB/P-1	1
132	STORAGE	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	<u> </u>
133	JANITOR DESK/STORAGE	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	
134	MULTIPURPOSE	LVT-1, LVT-4, LVT-5	RB-1	P-1	P-1	P-2	P-1, P-2	APC-1, GWB/P-1	3,4
135	COMPUTER LAB	LVT-1	RB-1	P-1, P-3	P-1	P-1, P-3	P-1	APC-1	4
136	JANITOR	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	
137	MECH.	EX	EX	EX	EX	EX	EX	EX	1
138	MENS	PT-1, PT-2	PTWB	EP-1	PT-2, PT-3	EP-1	EP-1	APC-1	2,4
139	WOMENS	PT-1, PT-2	PTWB	EP-1	PT-2, PT-3	EP-1	EP-1	APC-1	2,4
140	SW STAIRS	RT, LVT-1,MAT-1	RB-1	P-1	P-1	P-1	P-1	GWP/P-1	_, .
141	TRAINING ROOM	LVT-1, LVT-2, LVT-5	RB-1	P-3	P-1	-	P-1	ACT, GWB/P-1	3,4,7
142	TRAINING ROOM	LVT-1, LVT-2, LVT-5	RB-1	P-3	P-1	P-1	-	ACT, GWB/P-1	3,4,7
143	CONSULTATION	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	7
144	FAMILY MTG RM	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	7
145	CONSULTATION	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	7
146	FAMILY MTG RM	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	7
147	ASSESSMENT	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	7
148	OBERER	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	<del>'</del>
149	GRAND STAIR	MAT-1	RB-1	P-3		P-3		GWB/P-1	
150	CLST.	SC SC	RB-1	P-1	P-1	P-1	P-1	EXPS	
151	STAIR EX.	RT, MAT-1	RB-1	P-1	P-1	P-1	P-1	GWP/P-1	

		ROOM	FINIS	SH SCH	HEDUL	E			
					V	VALLS		CEILING	
ROOM No.	ROOM NAME	FLOOR	BASE	N	S	E	W	MAT.	REMARKS
201	GRAND STAIR	SC	RB-1	P-3	-	P-3	-	GWB/P-1	4
201A	CLST.	SC	RB-1	P-1	P-1	P-1	P-1	GWB/P-1	
202	H&WB DIRECTOR	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
203	CLOSET	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	
204	DEVELOPMENT DIRECTOR	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
205	COMMUNITY DEV. DIRECTOR	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
206	ADMIN MTG.	CPT	RB-1	P-2	P-1	P-1	P-1	APC-1	4,7
207	DATA	LVT-1	RB-2	P-1	P-1	P-1	P-1	GWB/P-1	1,4,8
208	STORAGE	EX	-	-	P-1	-	P-1	EXPS	
209	SOLAR/MECH	EX	-	-	-	-	-	-	
210	WORKFORCE DIRECTOR	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
211	RR	PT-1, PT-2	PTWB	EP-1	PT-2, PT-3	EP-1	EP-1	APC-1	2,4
212	RR	PT-1, PT-2	PTWB	EP-1	PT-2, PT-3	EP-1	EP-1	APC-1	2,4
213	JAN.	LVT-1	RB-2	P-1	P-1	P-1	P-1	APC-1	
214	ADMIN. SUPPORT	CPT	RB-1	P-3	P-1	P-3	-	APC-1	4
215	EXECUTIVE DIRECTOR	CPT	RB-1	P-1	P-2	P-1	P-1	APC-1	
216	MARKETING MGR.	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
217	DEPUTY ED	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
218	ACCOUNTING	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
219	EDU DIRECTOR	CPT	RB-1	P-1	P-1	P-1	P-1	APC-1	
C100	CORRIDOR	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	
C101	CORRIDOR	LVT-1, MAT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	4
C102	CORRIDOR	LVT-1	RB-1	P-1	P-1	P-1	P-1	GWB/P-1, APC-1	1
C105	CORRIDOR	LVT-1	RB-1	P-1	P-1	P-1	P-1	APC-1	
C106	CORRIDOR	LVT-1	RB-1	P1, P-2	P-1	P-1	P-1	APC-1	4
C107	CORRIDOR	LVT-1, LVT-4	RB-1	P-1	P-1	P-1, P-3	P-1	APC-1	4
C108	CORRIDOR	LVT-1, LVT-3, LVT-4, LVT-5	RB-1	P-1	P-1	P-1	P-1	APC-1	3,4
C201	CORRIDOR	LVT-1, LVT-3, LVT-4	RB-1	P-1, P-4	P-1	P-4	P-1	APC-1	3,4
C202	CORRIDOR	LVT-1, LVT-3, LVT-4	RB-1	P-1	P-3	P-1	P-1	APC-1	3,4
C203	CORRIDOR	LVT-1, RT	RB-1	P-1	P-1	P-1	P-1	APC-1	3
C204	CORRIDOR	CPT	RB-1	P-3	P-1, P-3	P-1, P-3	P-1	APC-1	4
E100	ELEV.		-						
E200	ELEV.		-						

	ROOM FINISH SCHEDULE REMARKS
No.	REMARK
1	GWB CEILING ATTACHED TO STRUCTURE ABOVE.
2	WET WALLS TO RECEIVE PORCELAIN TILE. ALL OTHER WALLS TO RECEIVE EP-1 AND PTWB. TILE BASE TO BE CAPPED WITH A BRUSHED ALUMINUM SCHLUTER RONDEC STRIP WHERE TILE BASE MEETS GYP. BD.
3	INCLUDES ACCENT STRIPES (LVT 3,4,AND/OR 5). REFER TO FINISH PLAN, A9.1.
4	REFER TO INTERIOR ELEVATIONS AND FINISHES PLAN FOR MATERIAL CALL OUTS AND LOCATIONS.
5	WHERE PORCELAIN FLOOR TILE ABUTS OTHER FLOOR TYPE USE SCHLUTER STRIP RENO-U SATIN NICKEL ANNODIZED 3/8".
6	WALK-OFF MAT (MAT-1) AT DOORWAYS AS SHOWN ON FINISHES PLAN, SHEET A9.1.
7	CHAIR RAIL (SSM-1) TO BE INSTALLED. REFER TO INTERIOR ELEVATIONS AND FINISH PLAN FOR LOCATIONS.
8	PAINT EXTERIOR OF NEW WALLS P-1. APPLY RB-2 BASE TO EXTERIOR OF NEW WALLS.

					MATERIAL LEGEN	D	
SORT MATERIAL	ITEM	MATERIAL	MANUFACTURER	MATERIAL MODEL NO.	CONTACT INFO	COLOR	COMMENTS
SE							
\SE	PTWB	PORCELAIN TILE WALL BASE	DALTILE	MEDIAN, RECTANGLE 12" X 24"	MARSHA McCAULEY, 513.460.1168	BEIGE MN41	TILE BASE IN TOILET ROOMS. CUT TILE DOWN TO 6" X 24".
ASE	RB-1	MILLWORK BASE 4.25"		PART NUMBER MW-63-F. REVEAL 4.25"	TRISHA ROE-KEEL, 513.207.5309	BURNT UMBER 63	
ASE	RB-2	RUBBER BASE 6"		TSB 469 4 X 120 1/8 TOE	TRISHA ROE-KEEL, 513.207.5309	BURNT UMBER 63	
		•					
ABINETS							
ABINETS	PL-1	PLASTIC LAMINATE		7953-38	DONNA ARIAPAD, 513.295.0038	HARVEST MAPLE	CASEWORK
ABINETS	PL-2	PLASTIC LAMINATE		4876-38	DONNA ARIAPAD, 513.295.0038	SHEER MESH	ALL PL-2 COUNTERTOPS TO BE 1-1/4" THICK WITH PATTERN MATCHING PVC EDGE BANDING ON EXPOSED EDGES.
ABINETS	SSM-1	SOLID SURFACE	CORIAN		DIANE IGEL, 614.595.7662	NEUTRAL CONCRETE	
ABINETS	SSM-2	SOLID SURFACE	CORIAN	0.400	DIANE IGEL, 614.595.7662	EVENING PRIMA	RECEPTION DESK
ABINETS	SSM-3	SOLID SURFACE	CORIAN	810P		GLACIER WHITE	INTEGRAL SINK BOWLS
EIL INIC							
EILING EILING	APC-1	ACOUSTIC PANEL CEILING	ARMSTRONG	686 ANGLED TEGULAR	JEN McCOY 513.919.2263	WHITE	
EILING		EXPOSED STRUCTURE	ANIOTACING	OUT ANGLED TEODERIC	0E14 WICCOT 510.919.2205	VVI II I L	
EILING		GYPSUM BOARD PAINTED	SHERWIN WILLIAMS	SW7551	ANGIE JULIAN, 317.714.5610	GREEK VILLA	
	010/131	OH COM BOARD I AIRIED	OTTERVALIA VVIELIAMO	10111001	7. 4. C. E. C. C. E. M. 4. C. F. F. 14.00 TO	ONLEN VILLA	<u> </u>
OOR							
OOR	CPT	CARPET TILE	JOHNSONITE/TARKETT	MAELSTROM 04849	TRISHA ROE-KEEL, 513.207.5309	ELECTRICITY 33203	ASHLAR INSTALL
OOR	EX	EXISTING			,		
.OOR	LVT-1	LUXURY VINYL TILE	JOHNSONITE/TARKETT	EVENT+ WOOD, PECK CLASSIC PLANK+, REF #251309013	TRISHA ROE-KEEL, 513.207.5309	11223 CHESAPEAKE	
.OOR	LVT-2	LUXURY VINYL TILE	JOHNSONITE/TARKETT	CONTOUR ABSTRACT, 6X36 PLANK, REF #251127036	TRISHA ROE-KEEL, 513.207.5309	0971 FAUX BOIS NARANJA	
.OOR	LVT-3	LUXURY VINYL TILE	JOHNSONITE/TARKETT	iD LATITUDE COLOR ZONE, 6X36 PLANK, REF #251175039	TRISHA ROE-KEEL, 513.207.5309	PLCZ 7556 COASTLINE	
OOR	LVT-4	LUXURY VINYL TILE	JOHNSONITE/TARKETT	iD LATITUDE COLOR ZONE, 6X36 PLANK, REF #251175035	TRISHA ROE-KEEL, 513.207.5309	PLCZ 7552 NIGHTFALL	
OOR	LVT-5	LUXURY VINYL TILE	JOHNSONITE/TARKETT	iD LATITUDE COLOR ZONE, 6X36 PLANK, REF #251175041	TRISHA ROE-KEEL, 513.207.5309	PLCZ 7558 SUNSET	
OOR	MAT-1	WALK-OFF MAT	JOHNSONITE/TARKETT	04837 ASSERTIVE ACTION	TRISHA ROE-KEEL, 513.207.5309	26213 FORGE	
OOR	PT-1	PORCELAIN TILE	DALTILE	MEDIAN, RECTANGLE 12X24	MARSHA McCAULEY, 513.460.1168	BEIGE MN41, MATTE	TOILET ROOMS
OOR	RT	STAIR TREADS / RISERS	JOHNSONITE/TARKETT	ANGLE FIT RUBBER STAIR TREAD, S103514-63-T_SQ-RD	TRISHA ROE-KEEL, 513.207.5309	BURNT UMBER 63	STAIRS
OOR	SC	SEALED CONCRETE					
PECIALTY		TEIDEDOLAGO DEINEGDOED DI AGTIG (EDD	NA DUITE	OTANDADD EDD O 1000 MILITE	10050 1 540V 000 040 7407	Ivan uze	LUTTO LIEN
PECIALTY	FRP-1	FIBERGLASS REINFORCED PLASTIC (FRP		STANDARD FRP, S 100G WHITE	GREG LEARY, 330.243.7187	WHITE	KITCHEN
PECIALTY	SS	STAINLESS STEEL PANEL		24 GA., 304 STAINLESS STEEL			KITCHEN
ALL							
ALL	EP-1	EPOXY PAINT	SHERWIN WILLIAMS	SW 7551	ANGIE JULIAN, 317.714.5610	GREEK VILLA	
ALL	EP-3	EPOXY PAINT		SW 9058	ANGIE JULIAN, 317.714.5610	SECRET COVE	EXTERIOR OF HM DOORS AND FRAMES. EXTERIOR CMU AS NOTED.
ALL	EP-4	EPOXY PAINT		SW 6883	ANGIE JULIAN, 317.714.5610	RAUCOUS ORANGE	EXTERIOR OF HM DOORS AND FRAMES. EXTERIOR CMU AS NOTED.
ALL	EP-5	EPOXY PAINT		SW 7048	ANGIE JULIAN, 317.714.5610	URBANE BRONZE	INTERIOR HM DOORS AND FRAMES
ALL	EP-6	EPOXY PAINT		SW 6120	ANGIE JULIAN, 317.714.5610	BELIEVABLE BUFF	EXTERIOR CONCRETE BOARD SIDING
ALL	EX	EXISTING			,		
ALL	P-1	PAINT	SHERWIN WILLIAMS	SW 7551	ANGIE JULIAN, 317.714.5610	GREEK VILLA	
ALL	P-2	PAINT		SW 6711	ANGIE JULIAN, 317.714.5610	PARAKEET	
ALL	P-3	PAINT		SW 9058	ANGIE JULIAN, 317.714.5610	SECRET COVE	
ALL	P-4	PAINT		SW 6883	ANGIE JULIAN, 317.714.5610	RAUCOUS ORANGE	
ALL	PT-2	PORCELAIN TILE		PORTFOLIO VIVID, RECTANGLE 12X24	MARSHA McCAULEY, 513.460.1168	OCEAN BLUE PF27	TOILET ROOMS
ALL	PT-3	PORCELAIN TILE		MEDIAN, RECTANGLE 12X24	MARSHA McCAULEY, 513.460.1168	WHITE MN40, MATTE	TOILET ROOMS



NO. DATE DESCRIPTION

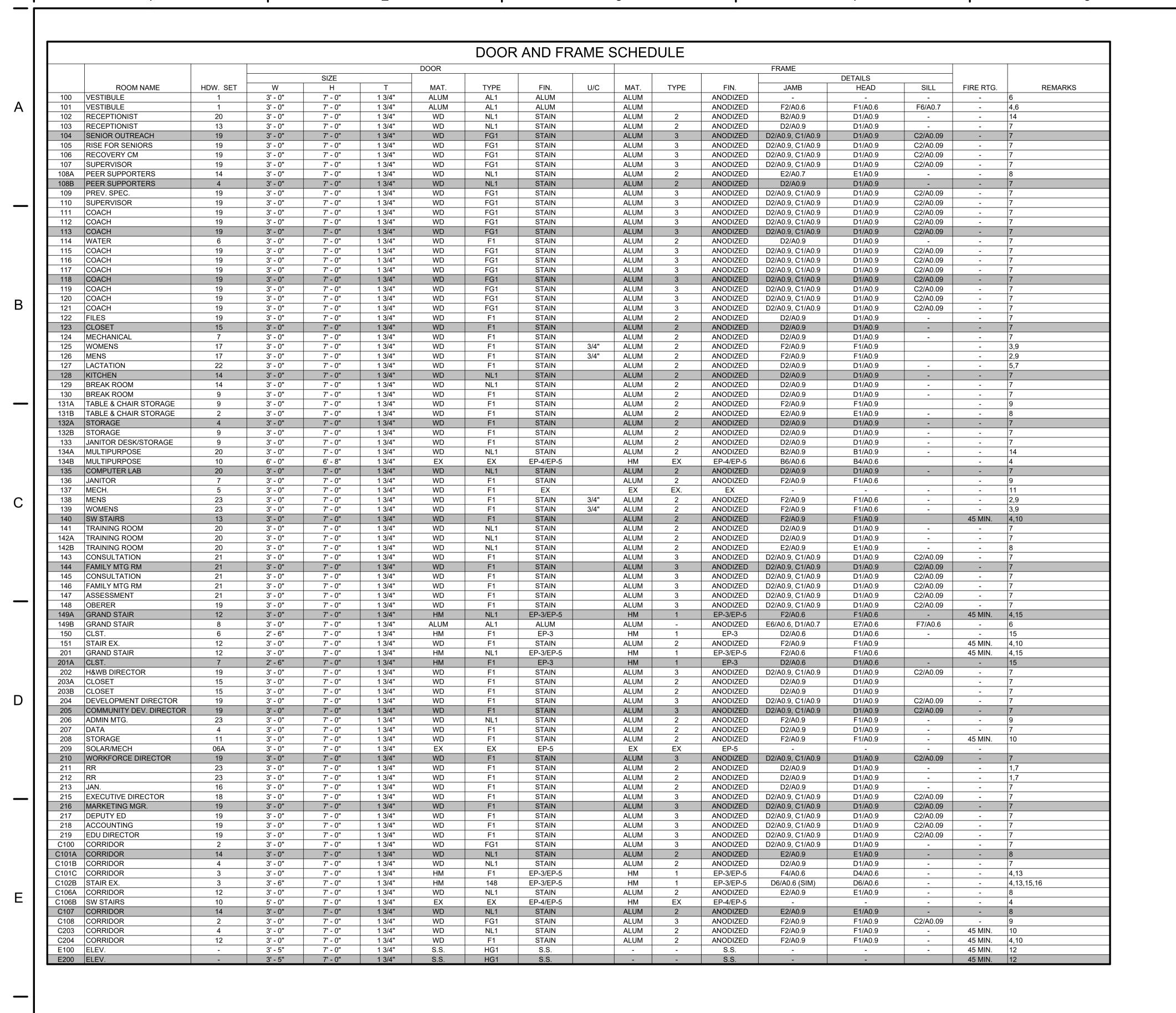
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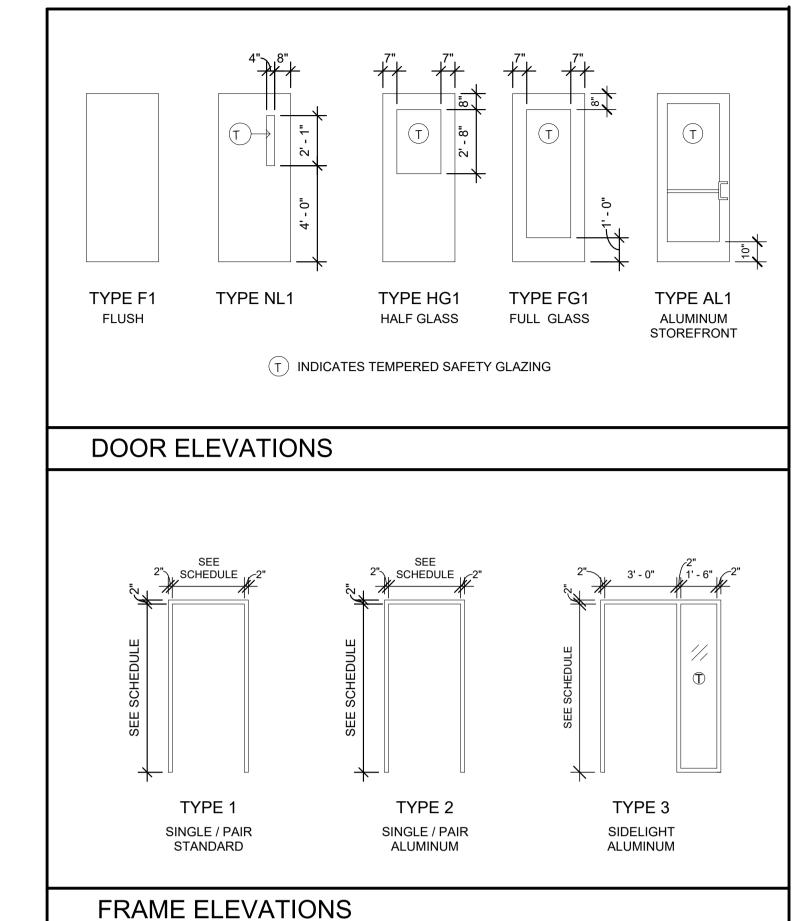
12/07/2023 JOB NO. 4132.00 DRAWN KE/MM/AE

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ROOM FINISH SCHEDULES

SHEET NO. **A0.2** 

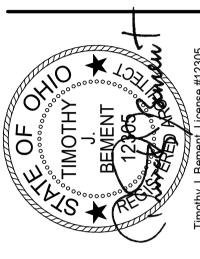




	DOOR REMARKS
No.	REMARK
1	SIGN TYPE 1 AT THIS DOOR. REFER TO SIGNAGE LEGEND ON SHEET A0.4 FOR DETAILS.
2	SIGN TYPE 2 AT THIS DOOR. REFER TO SIGNAGE LEGEND ON SHEET A0.4 FOR DETAILS.
3	SIGN TYPE 3 AT THIS DOOR. REFER TO SIGNAGE LEGEND ON SHEET A0.4 FOR DETAILS.
4	SIGN TYPE 4 AT THIS DOOR. REFER TO SIGNAGE LEGEND ON SHEET A0.4 FOR DETAILS.
5	SIGN TYPE 5 AT THIS DOOR. REFER TO SIGNAGE LEGEND ON SHEET A0.4 FOR DETAILS.
6	REFER TO STOREFRONT AND WINDOW SCHEDULE FOR MORE DETAILS.
7	BASIS OF DESIGN: RACO SOLUTIONS 487 SERIES 2" TRIM.
8	BASIS OF DESIGN: RACO SOLUTIONS 225 SERIES 2" TRIM.
9	BASIS OF DESIGN: RACO SOLUTIONS NON-RATED ADJUSTABLE FRAME 2" TRIM.
10	BASIS OF DESIGN: RACO SOLUTIONS RATED ADJUSTABLE FRAME 2" TRIM.
11	NO NEW WORK THIS DOOR
12	REFER TO SPECIFICATIONS AND ELEVATOR MANUFACTURER INFORMATION FOR ELEVATOR DOOR DETAILS.
13	HIGH R VALUE INSULATED DOOR. INSULATED GLAZING IF TYPE NL1.
14	BASIS OF DESIGN: RACO SOLUTIONS 725 SERIES 2" TRIM.
15	4" HEAD HEIGHT.
16	CONFIRM SIZE OF EXISTING DOOR/FRAME TO BE DEMO'D AND MATCH.

Architecture creative focused designive Englewood Objo 45322

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DATE 12/07/2023

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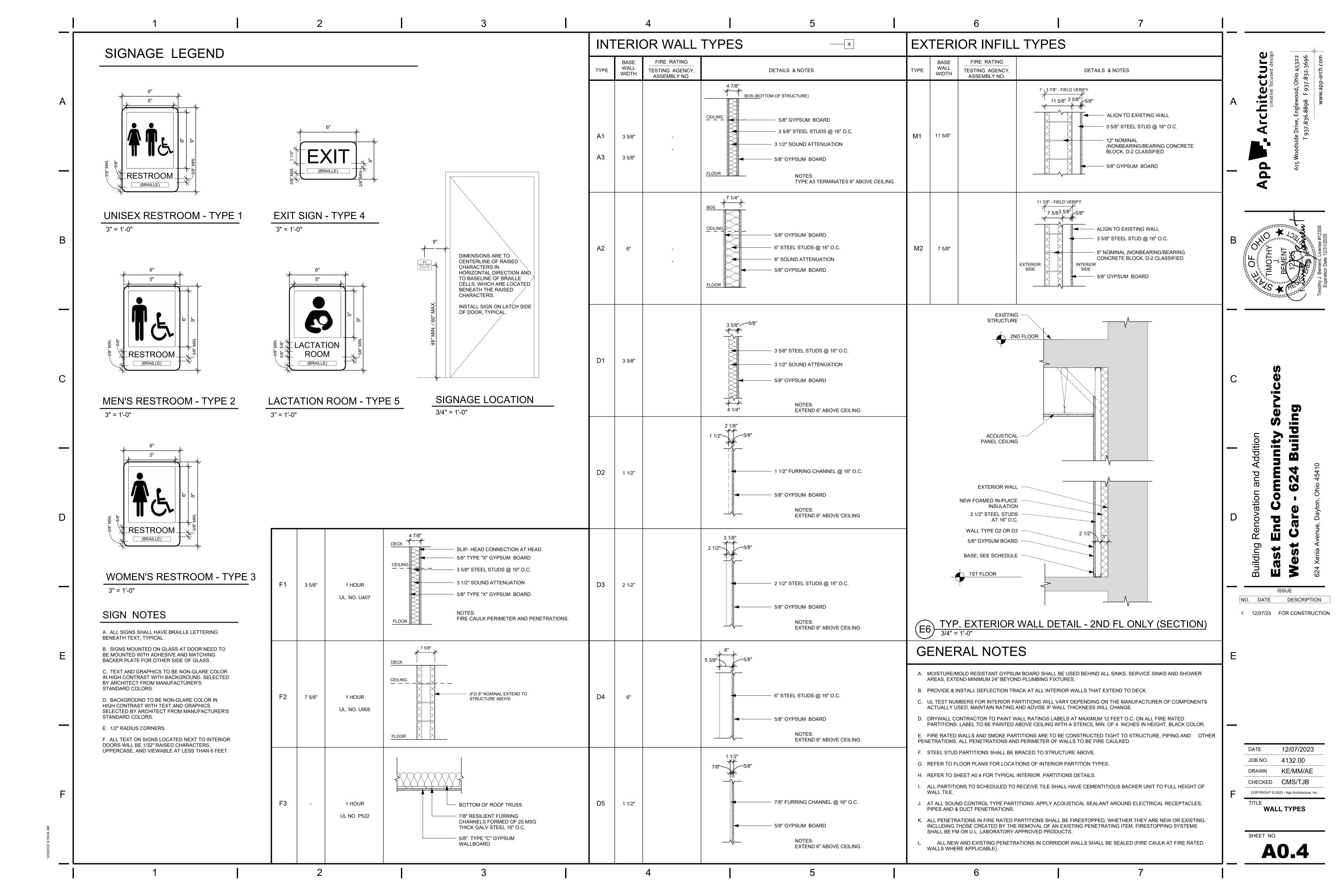
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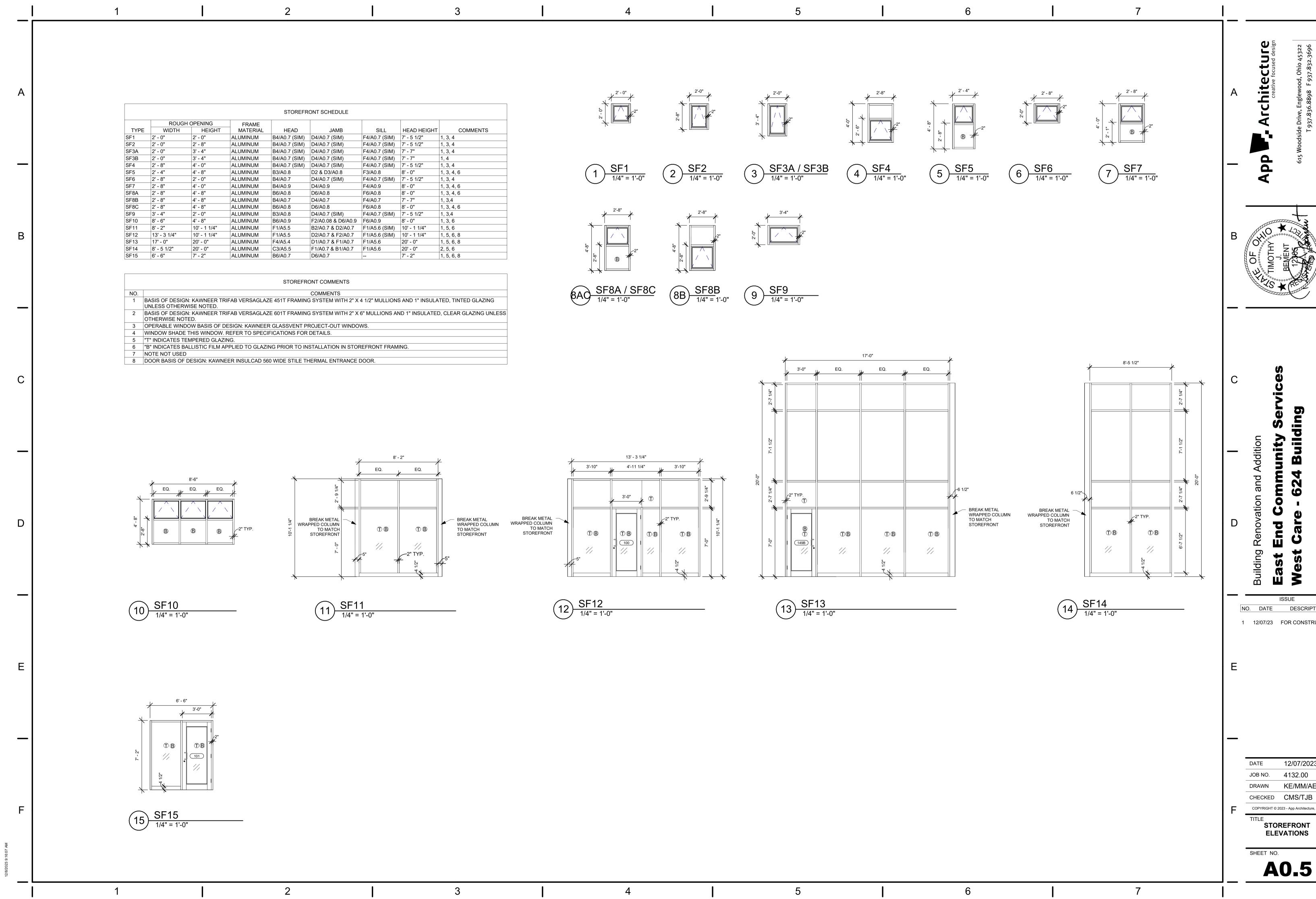
DOOR & FRAME

SCHEDULES

SHEET NO.

**A0.3** 





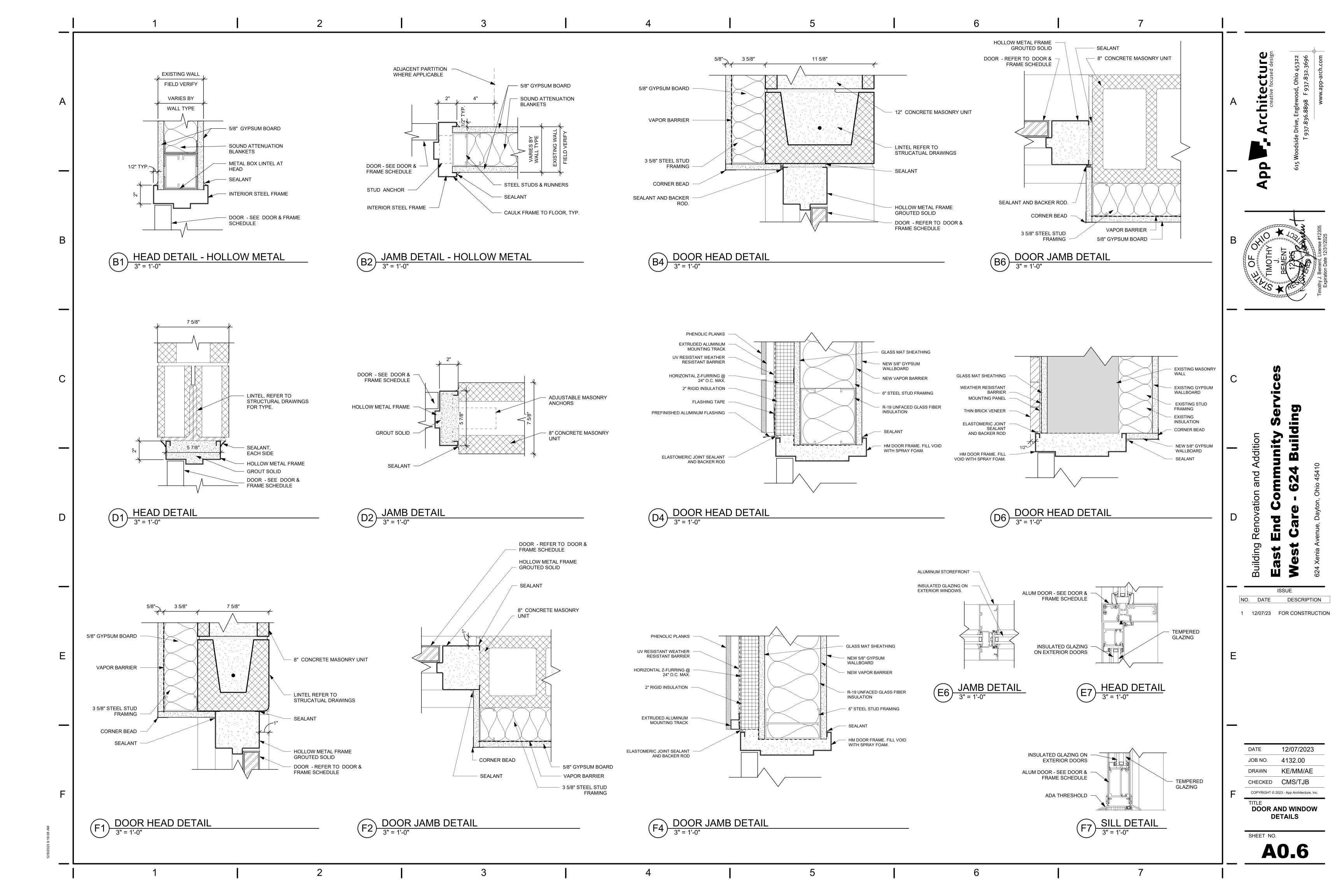
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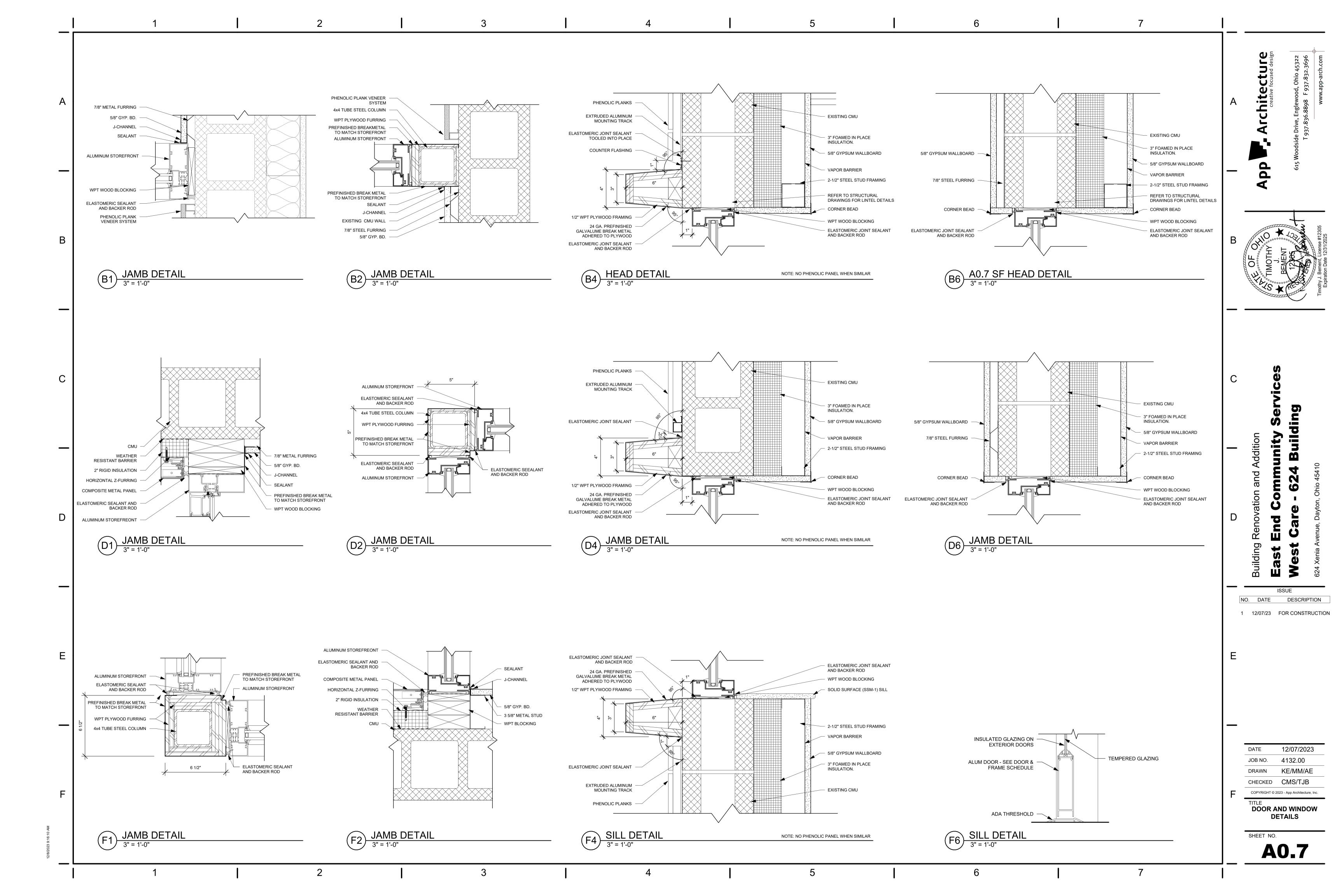
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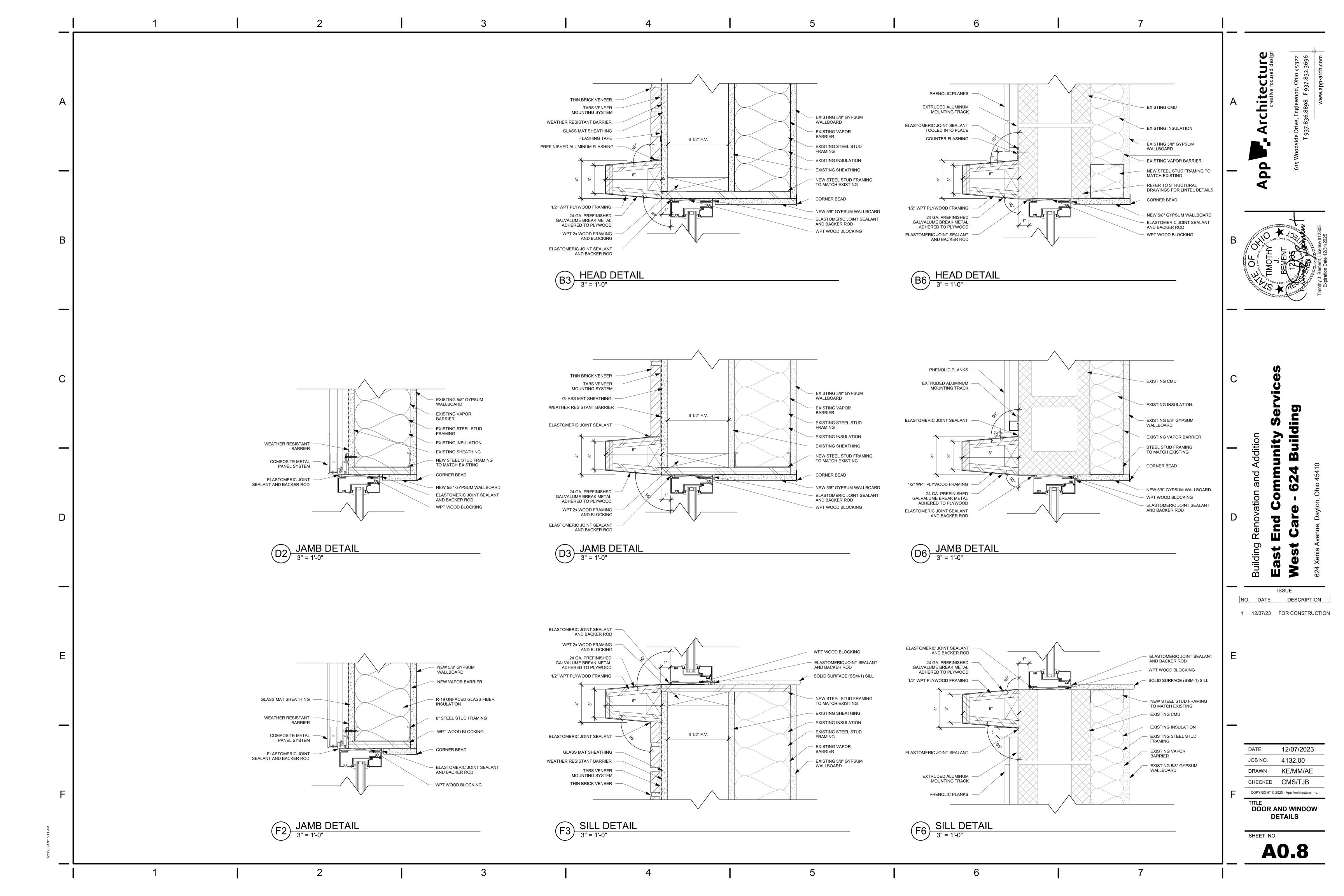
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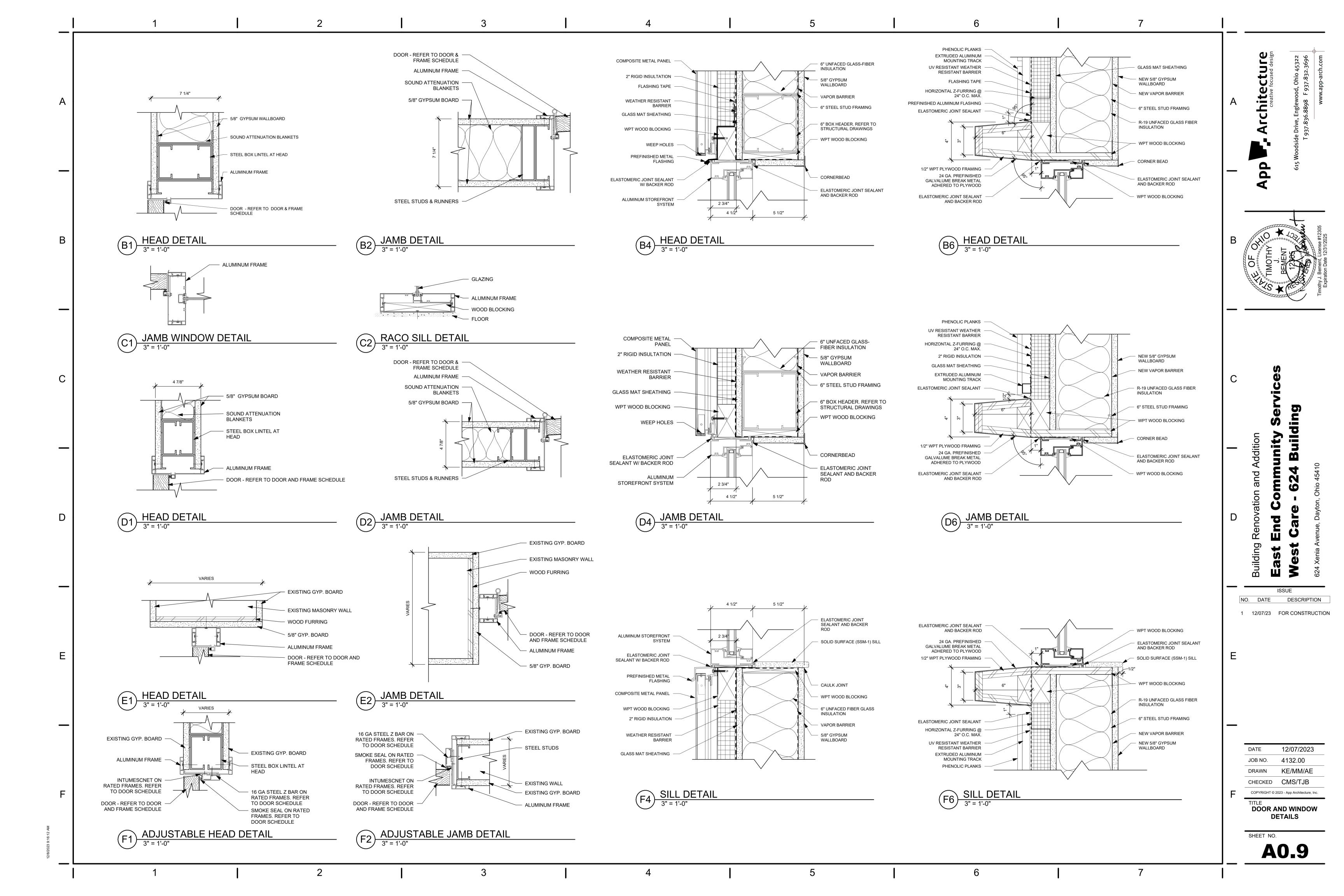
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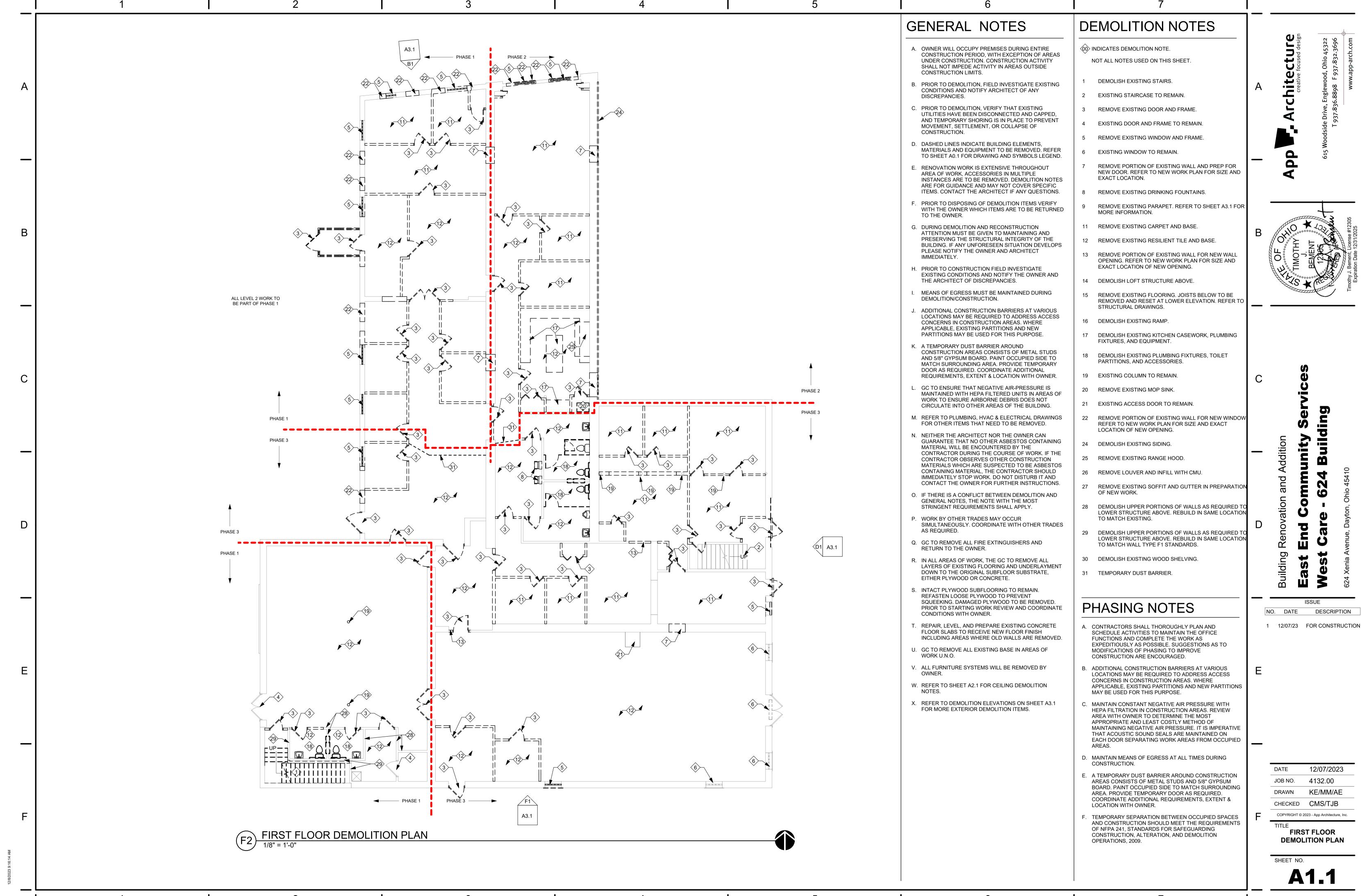
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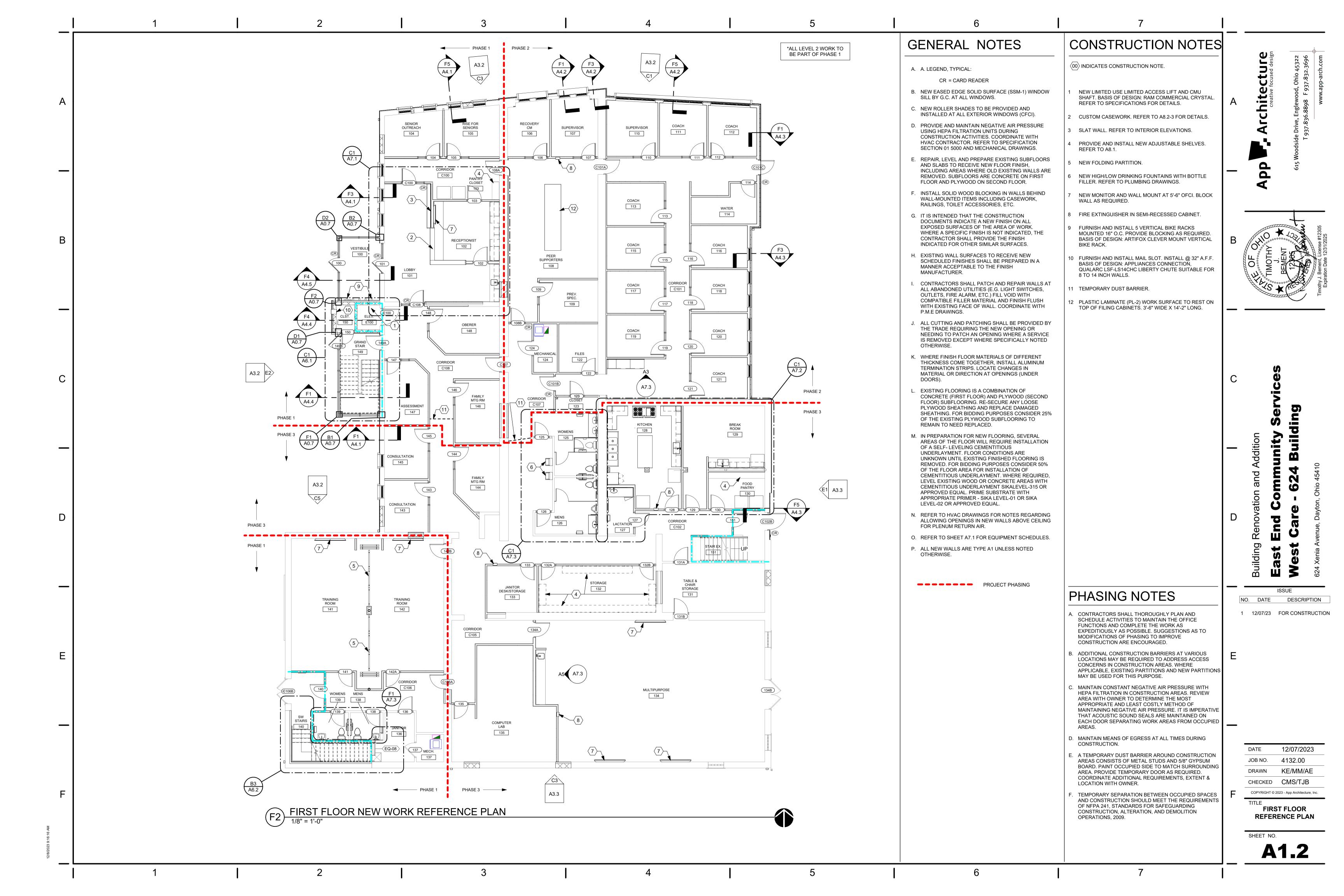


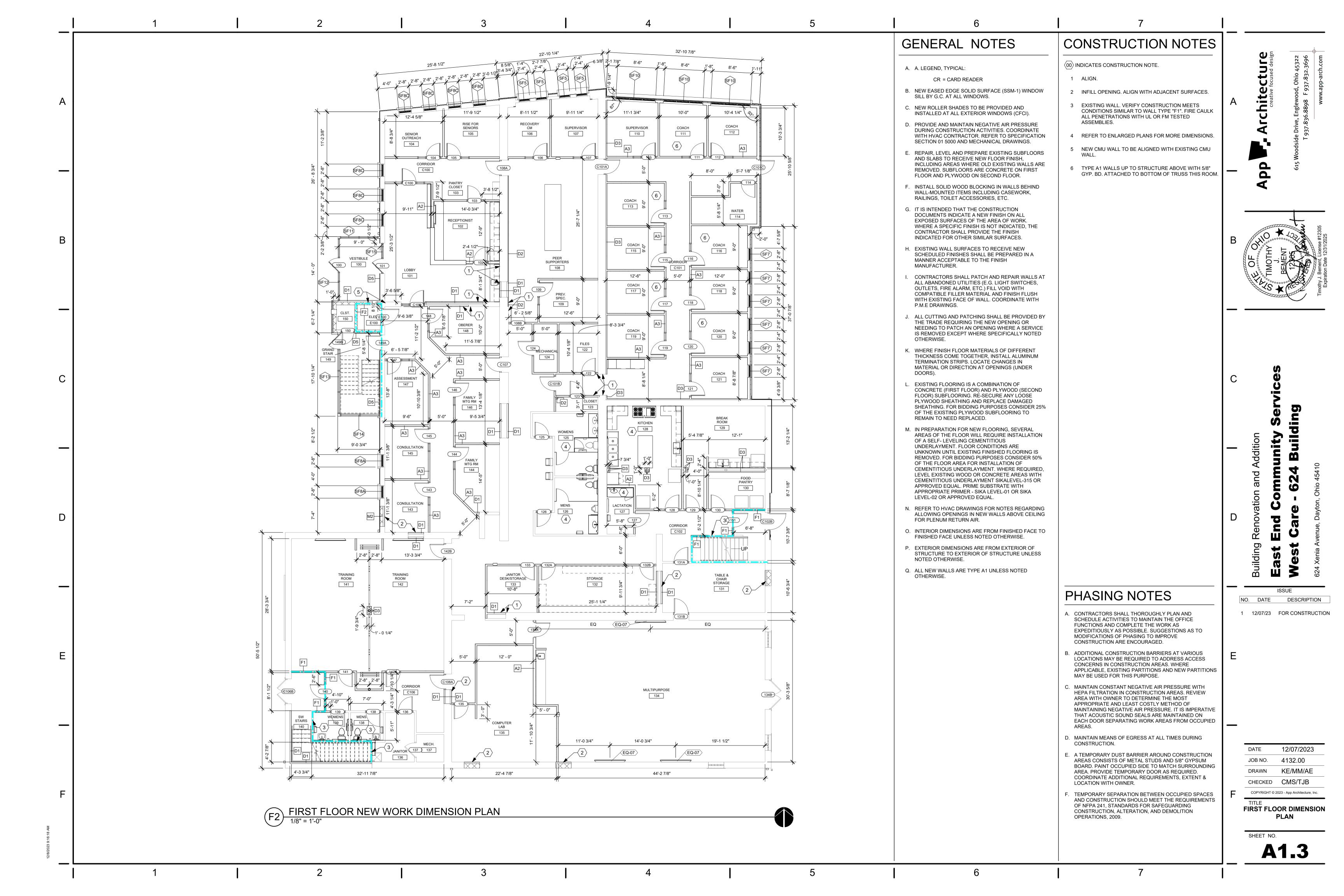


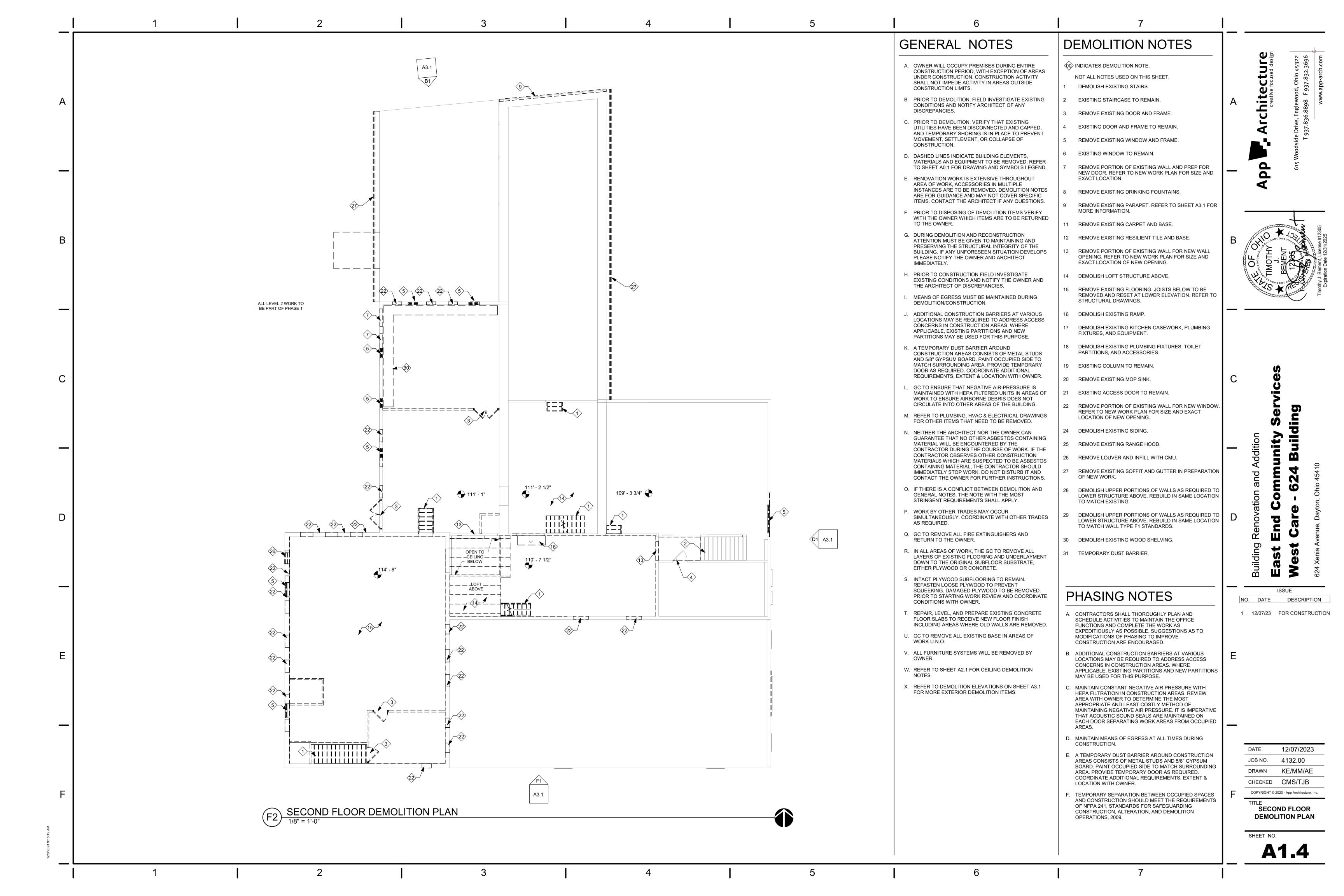


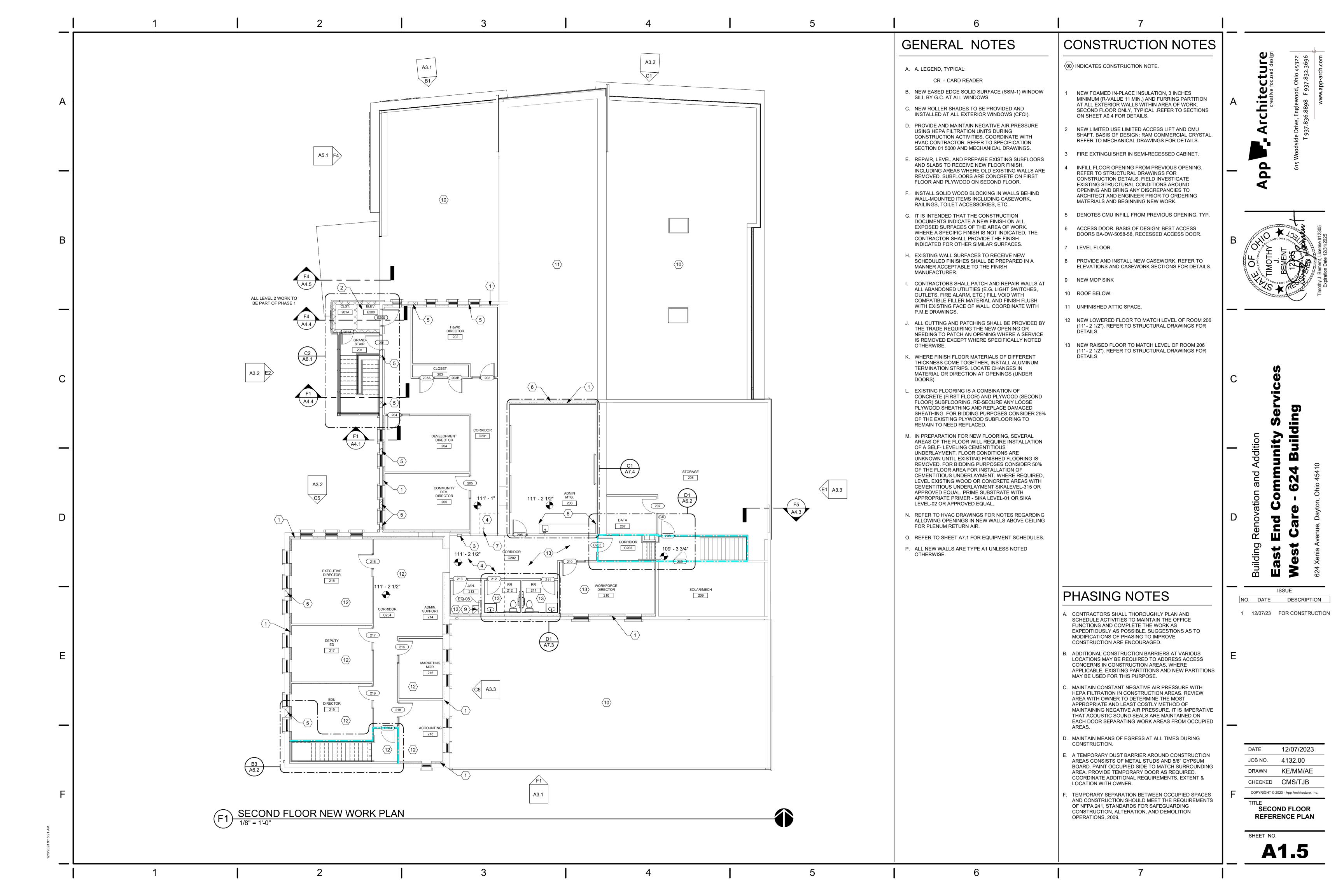


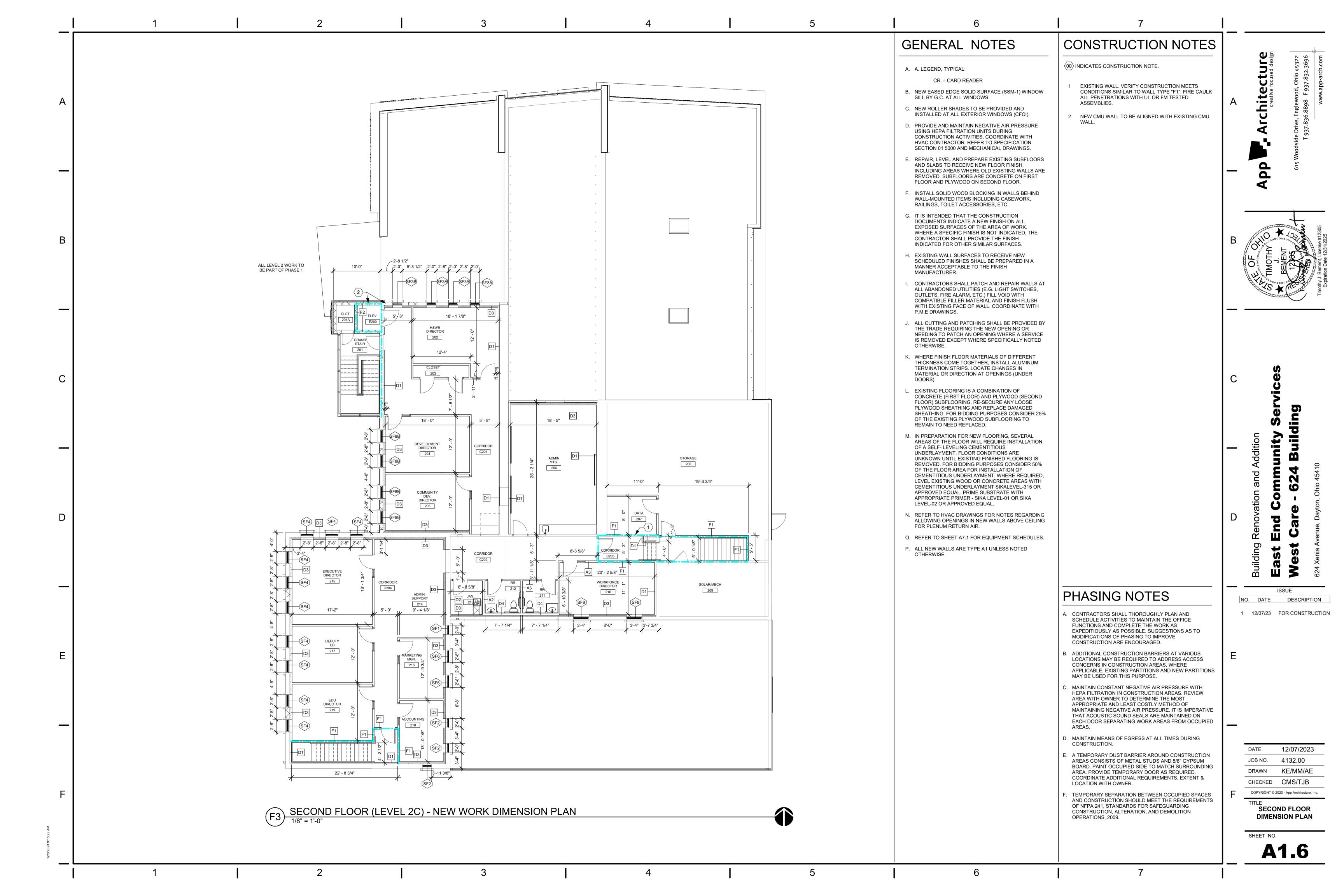


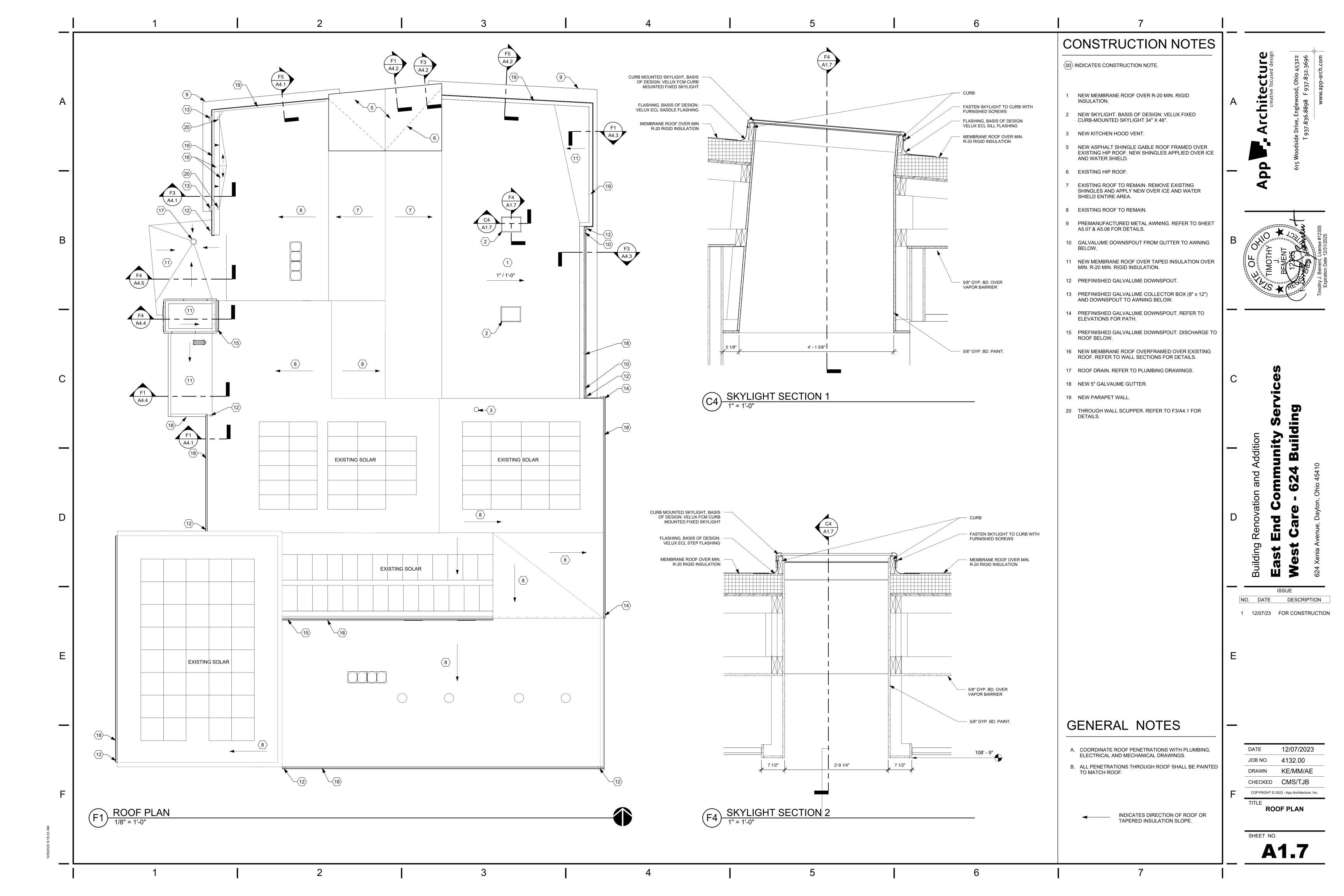


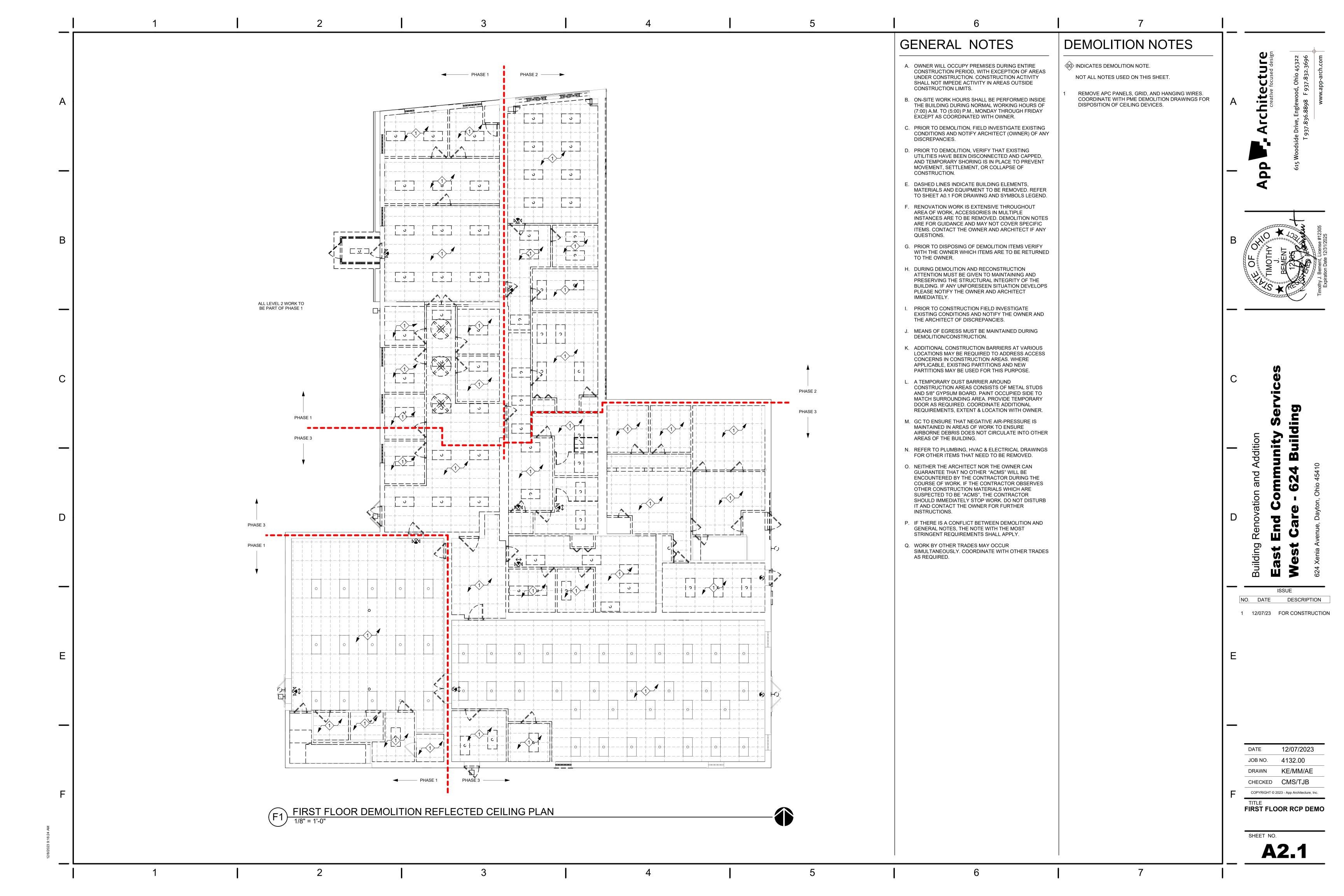


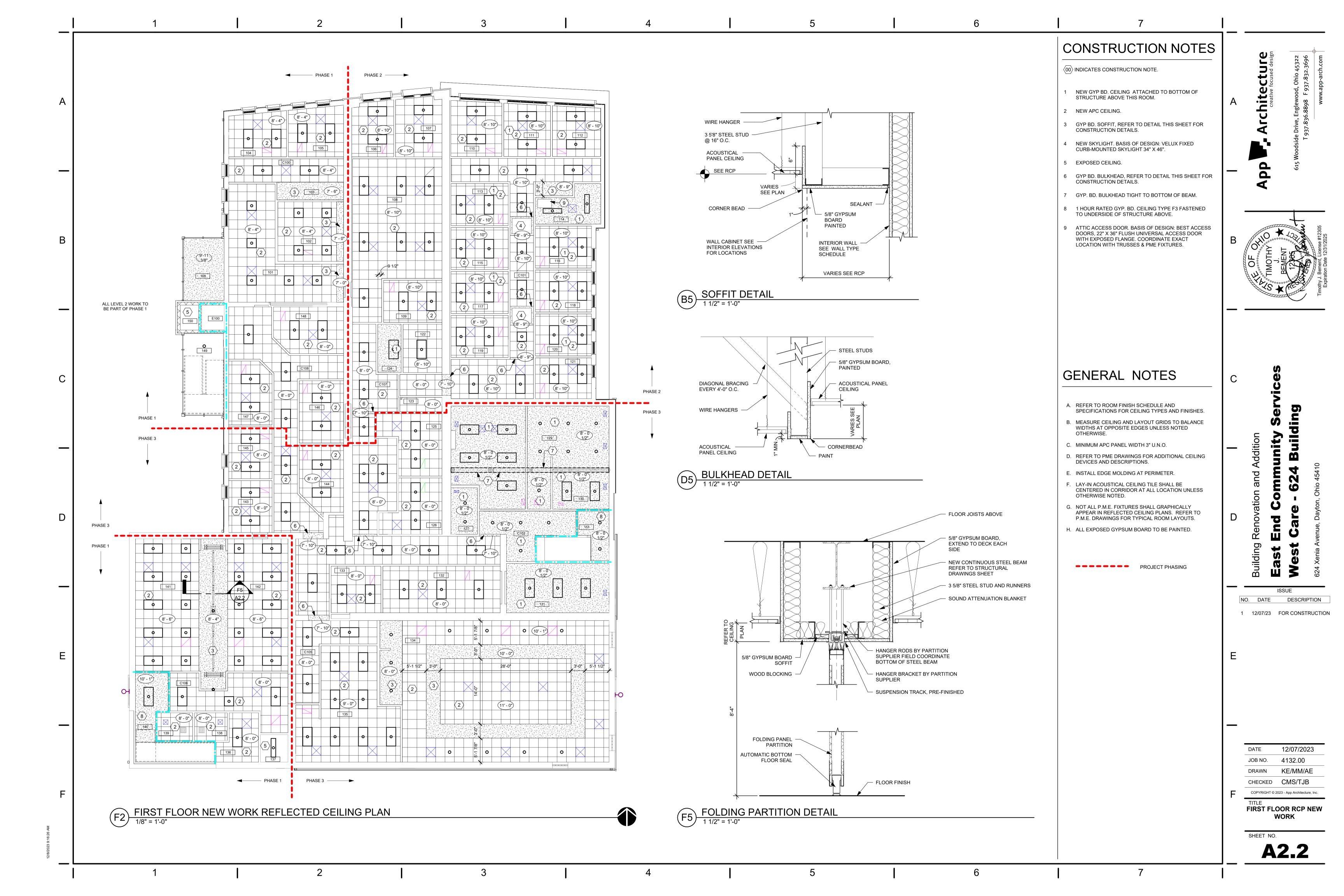


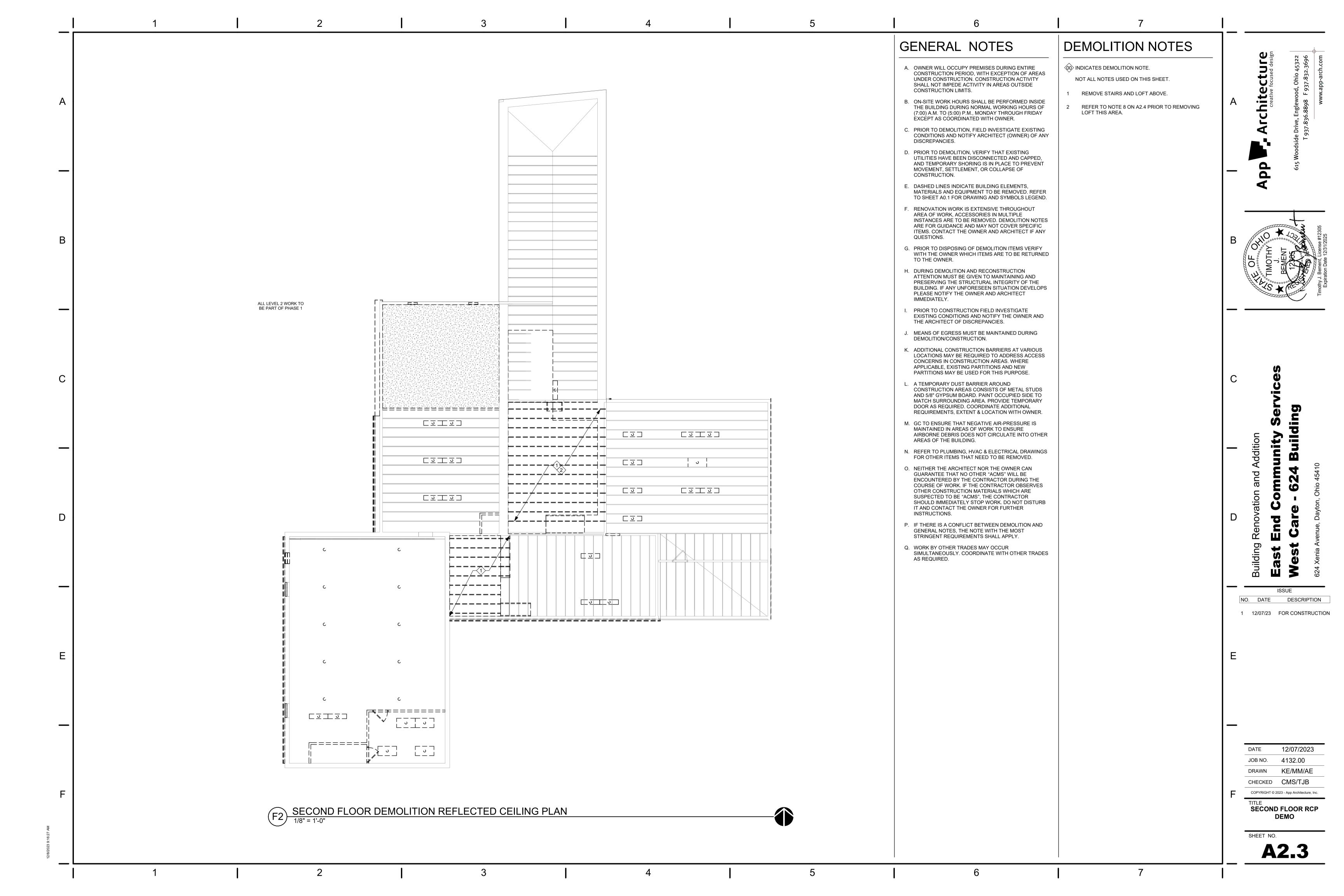


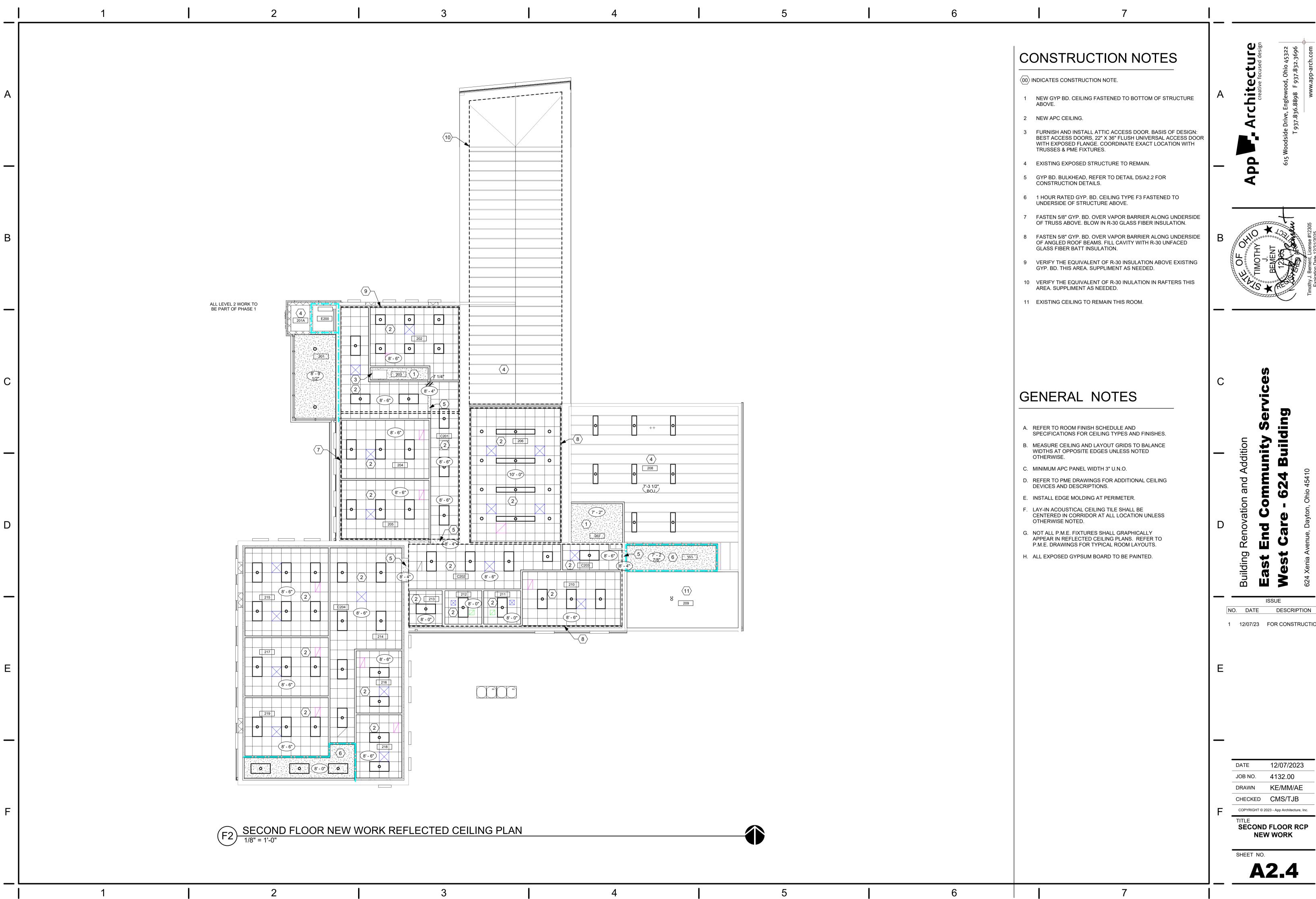












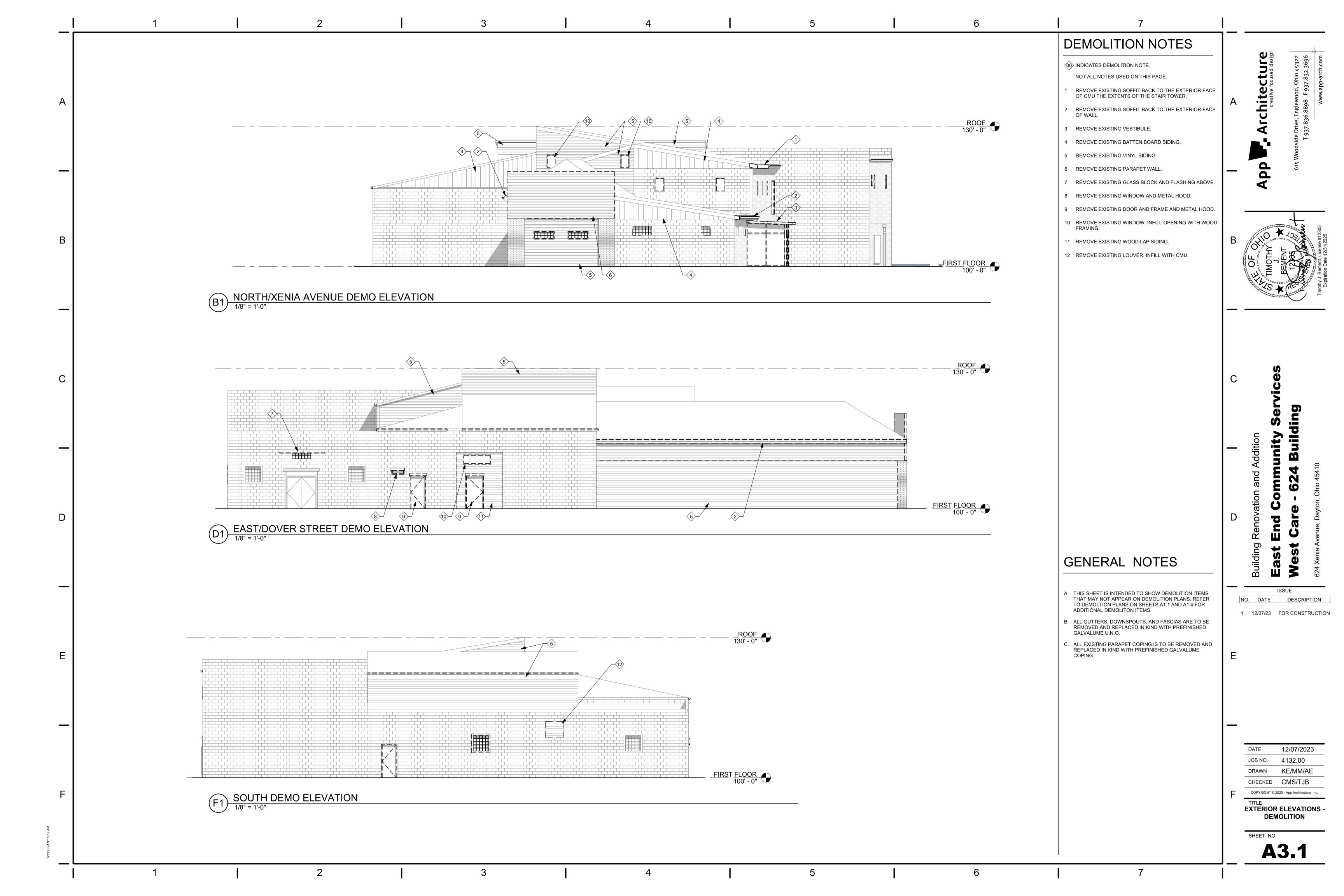
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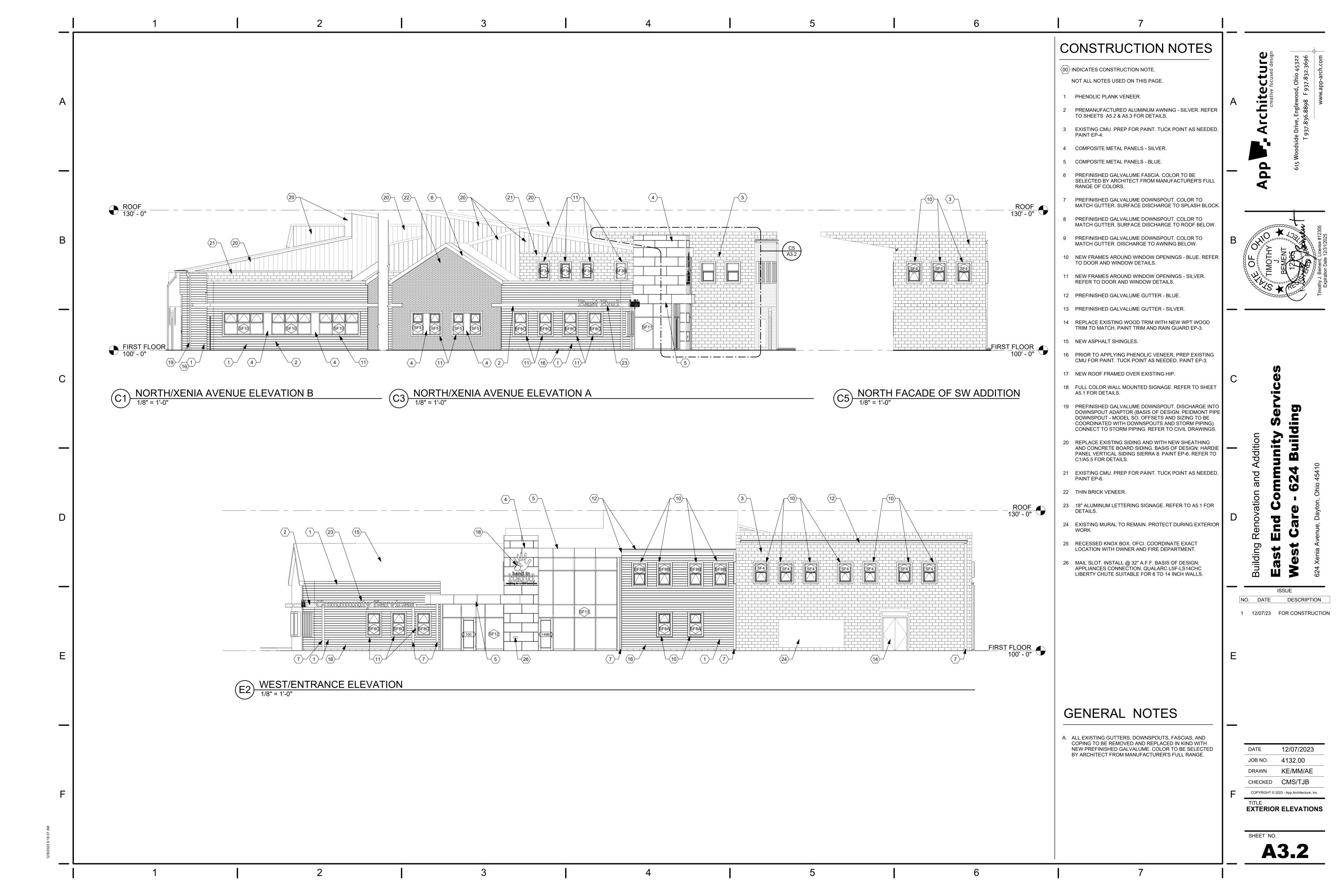
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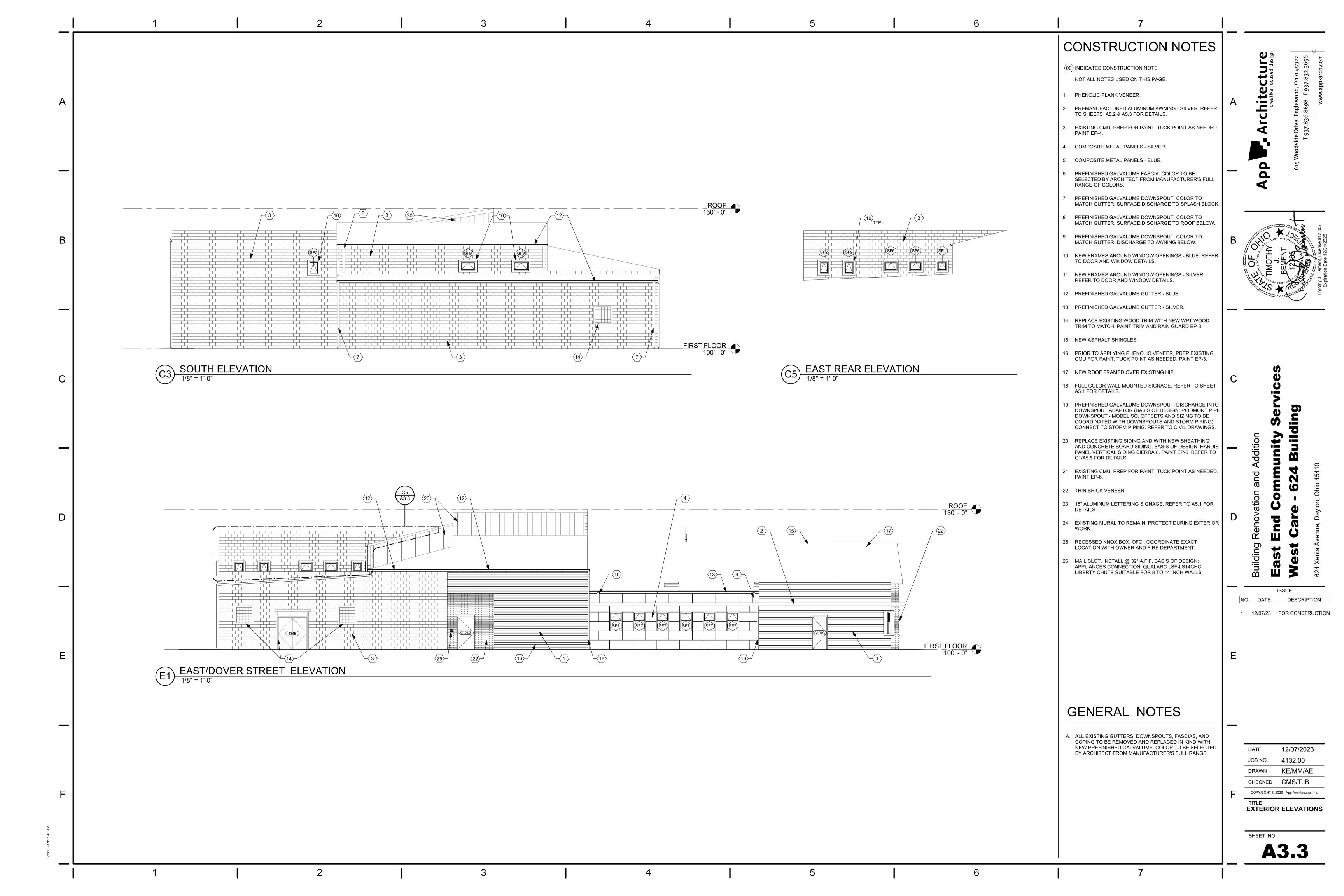
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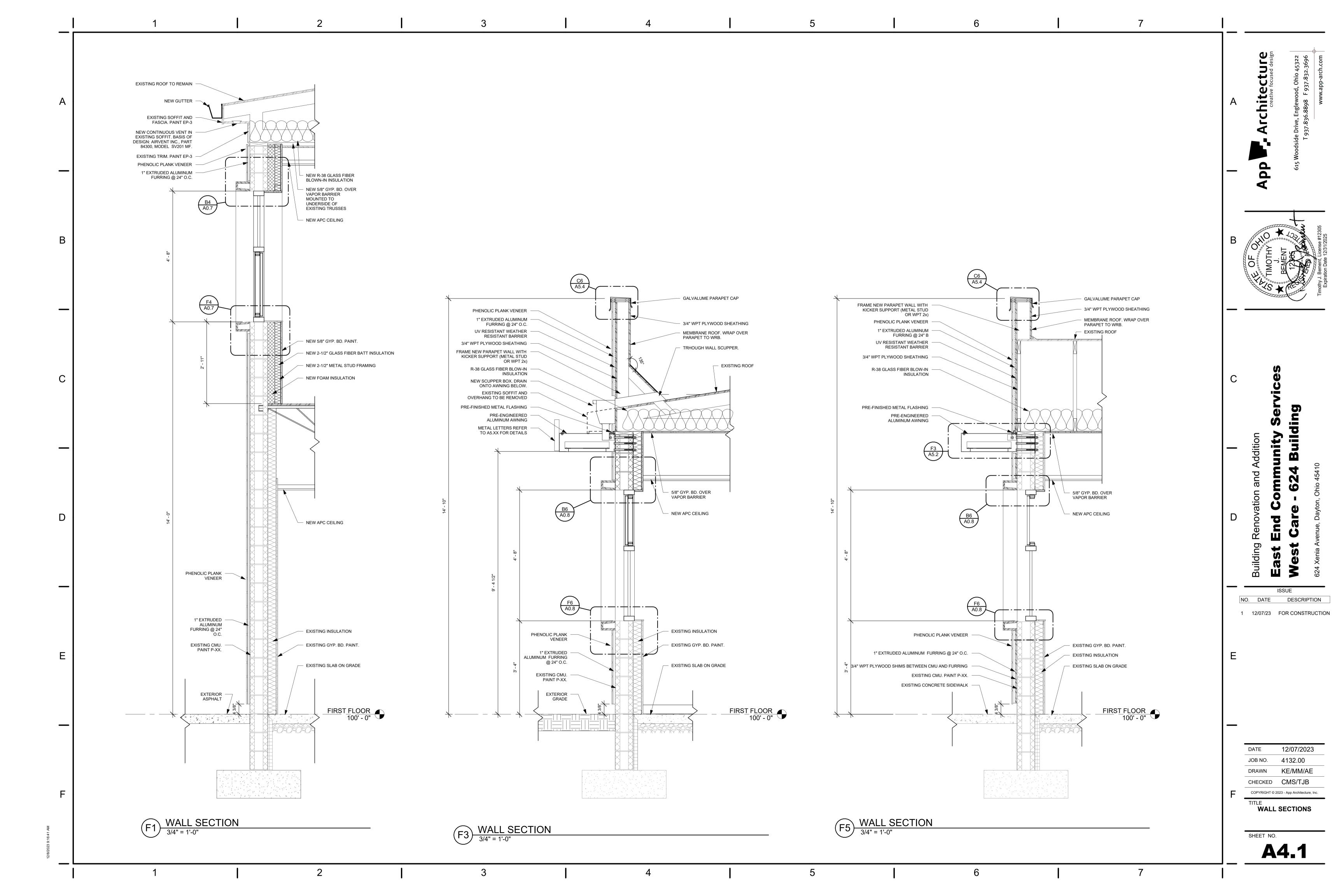
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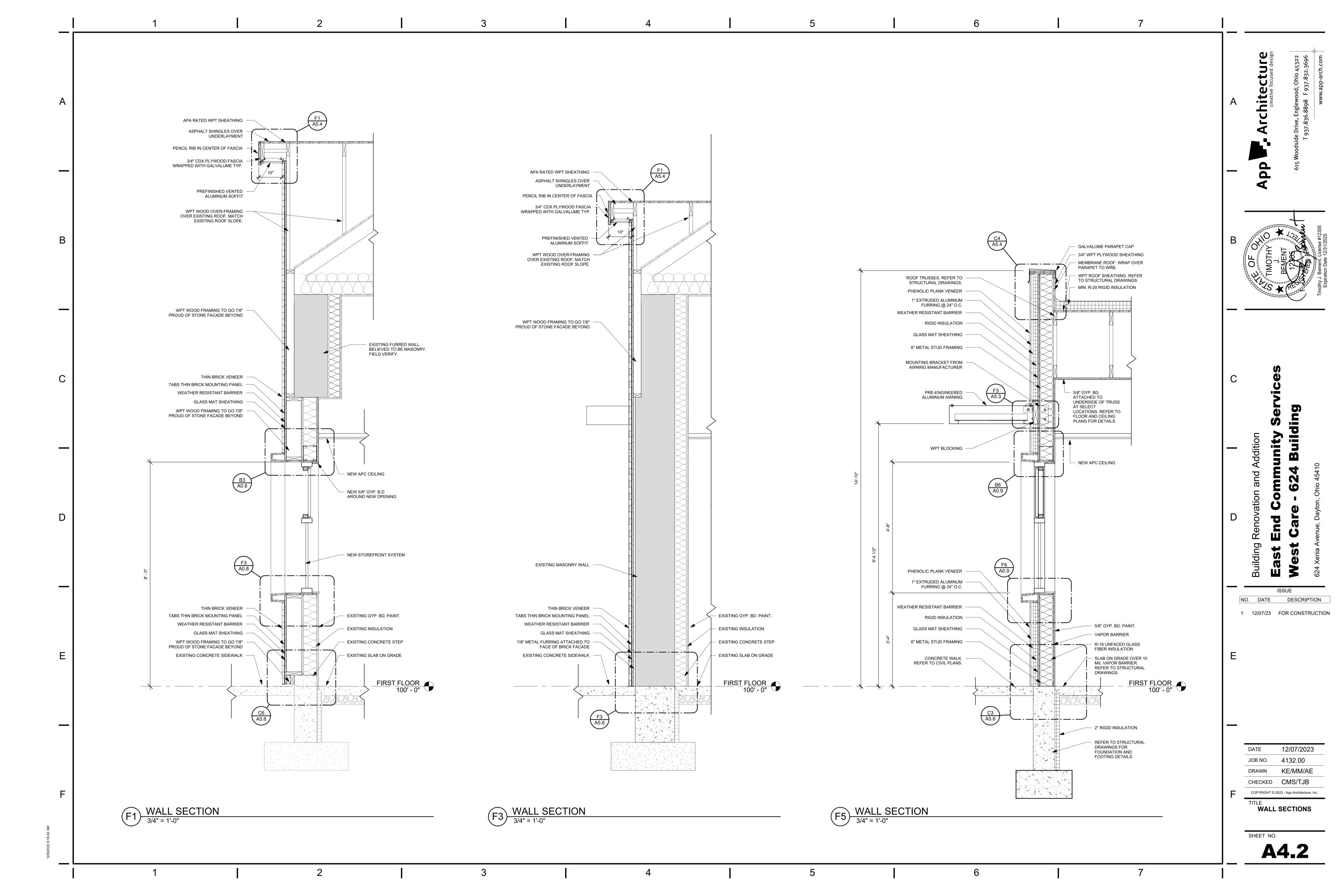
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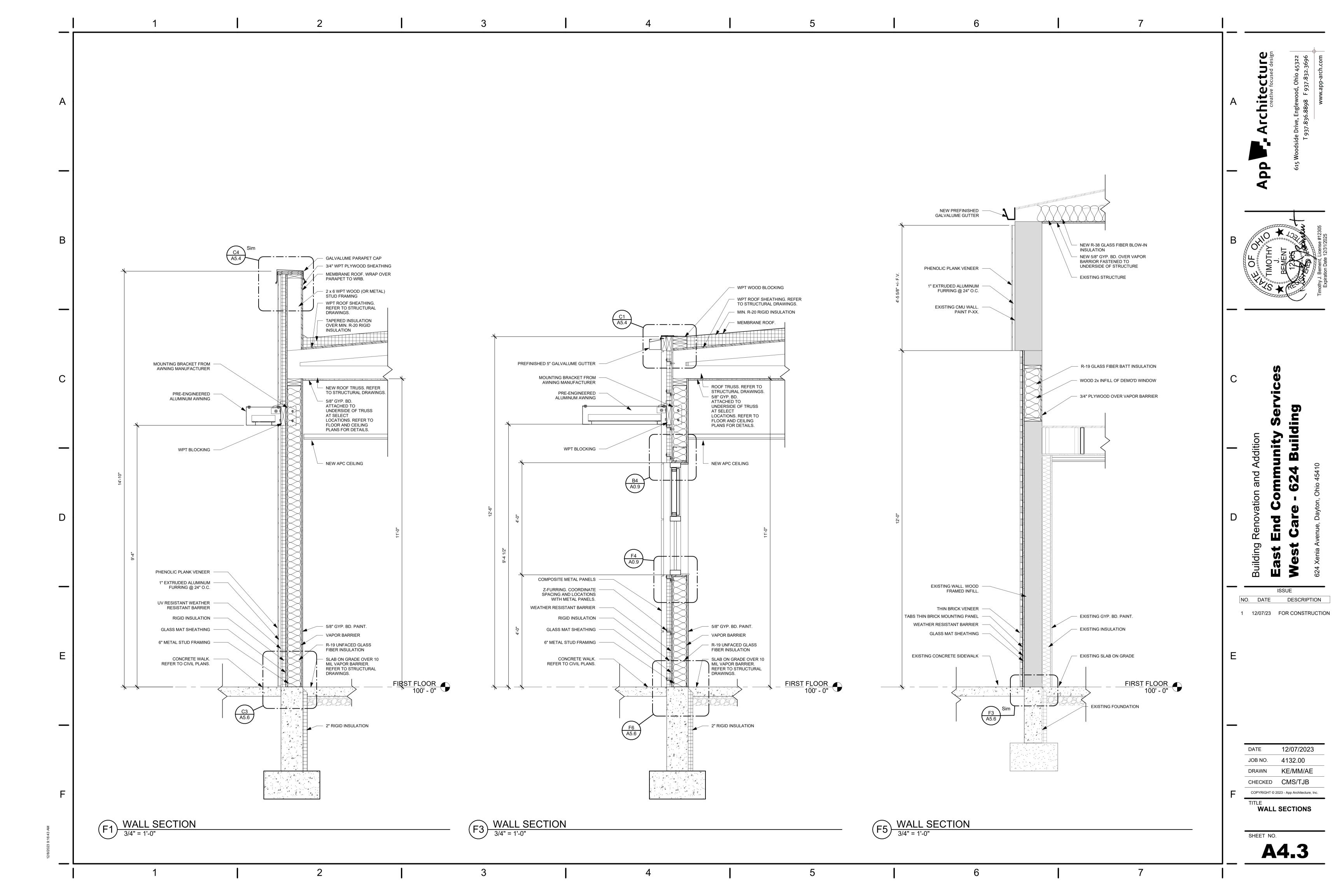


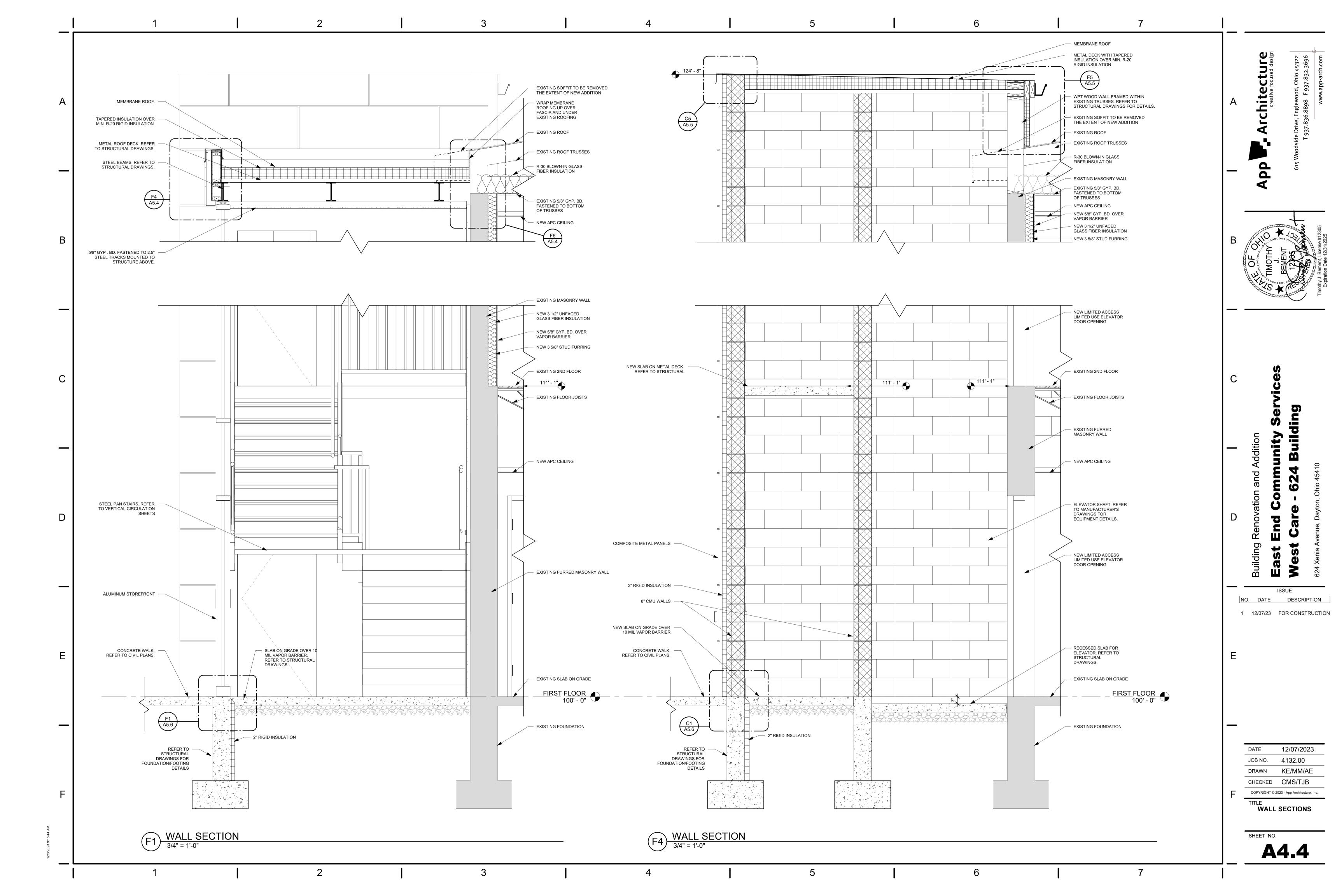


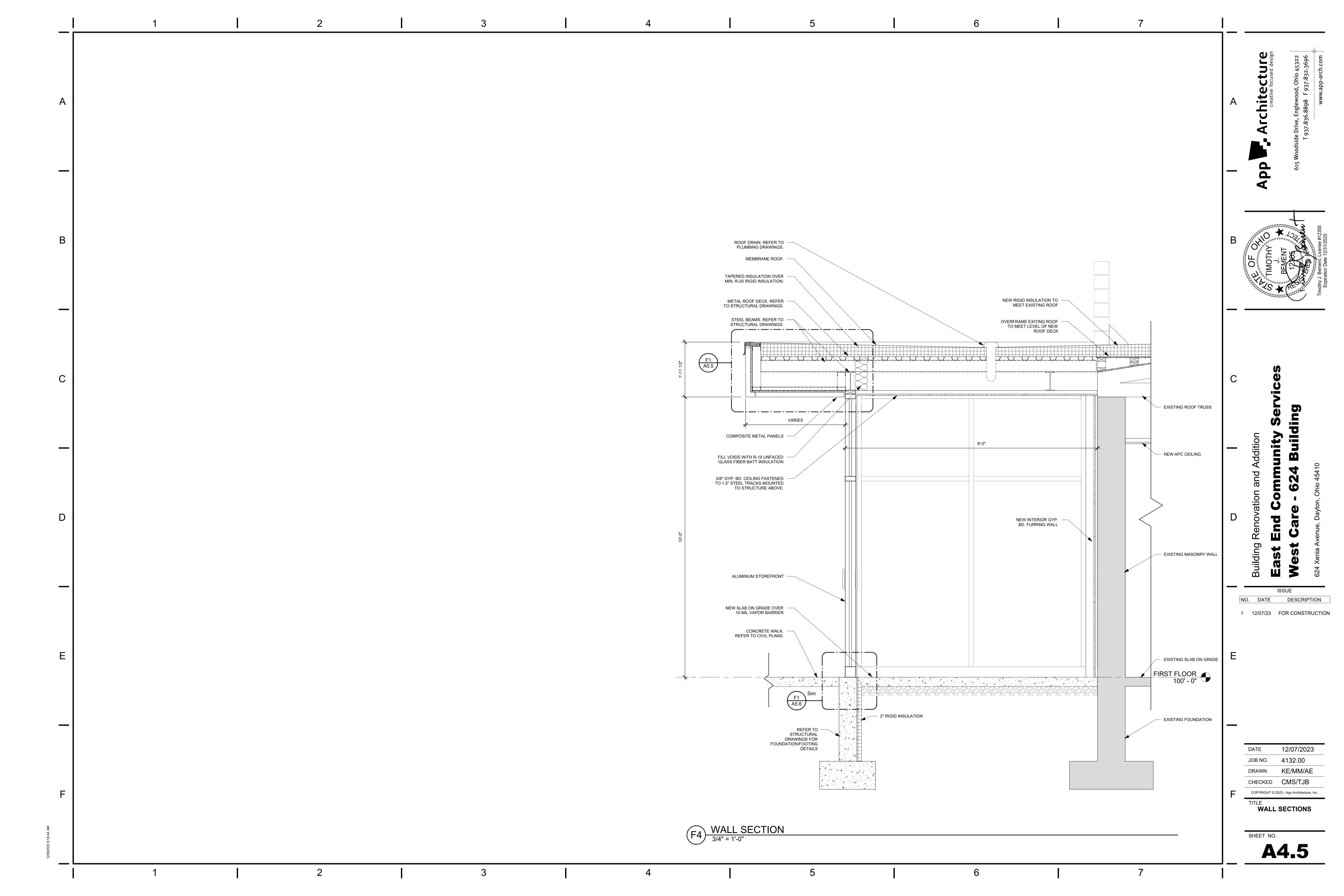


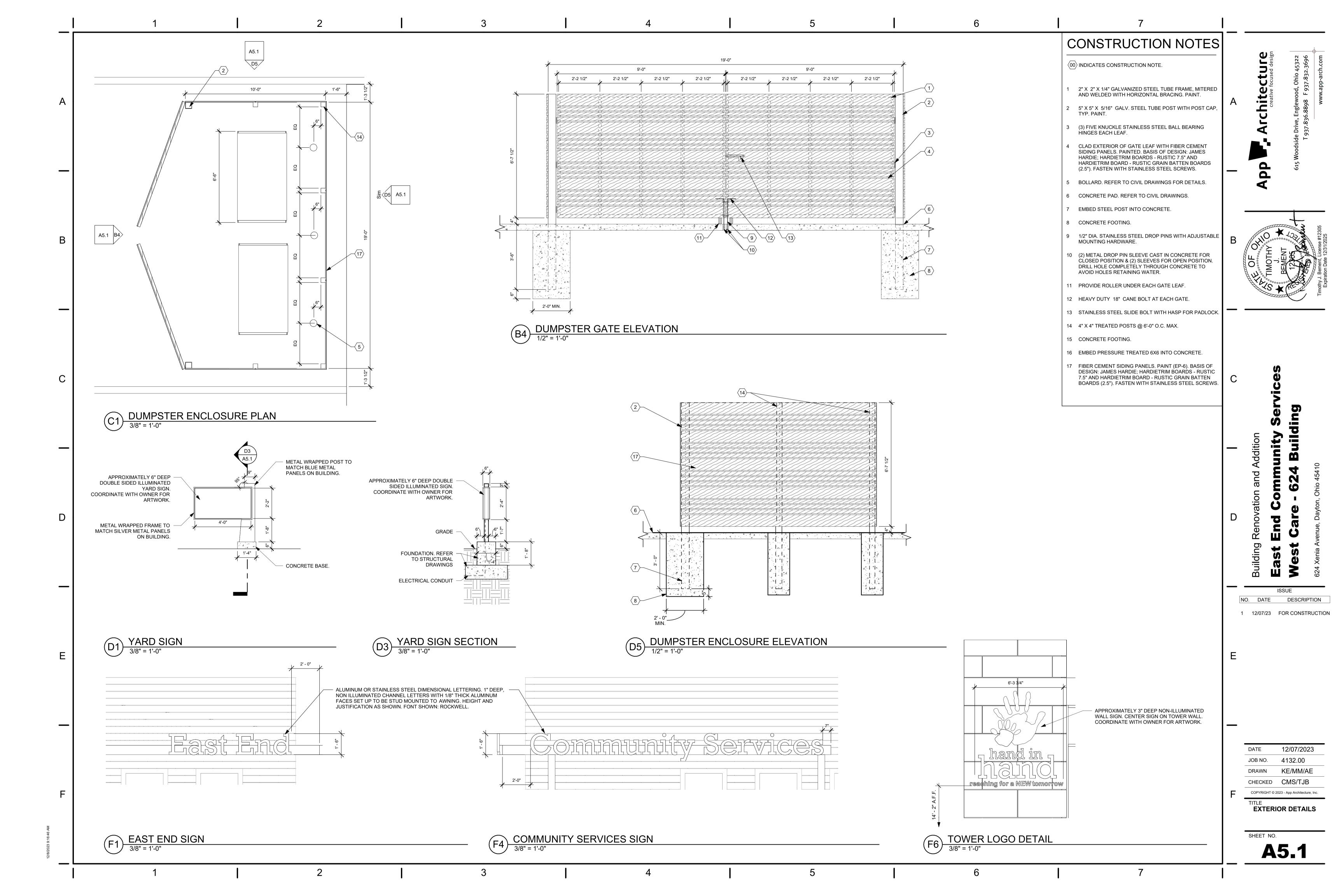


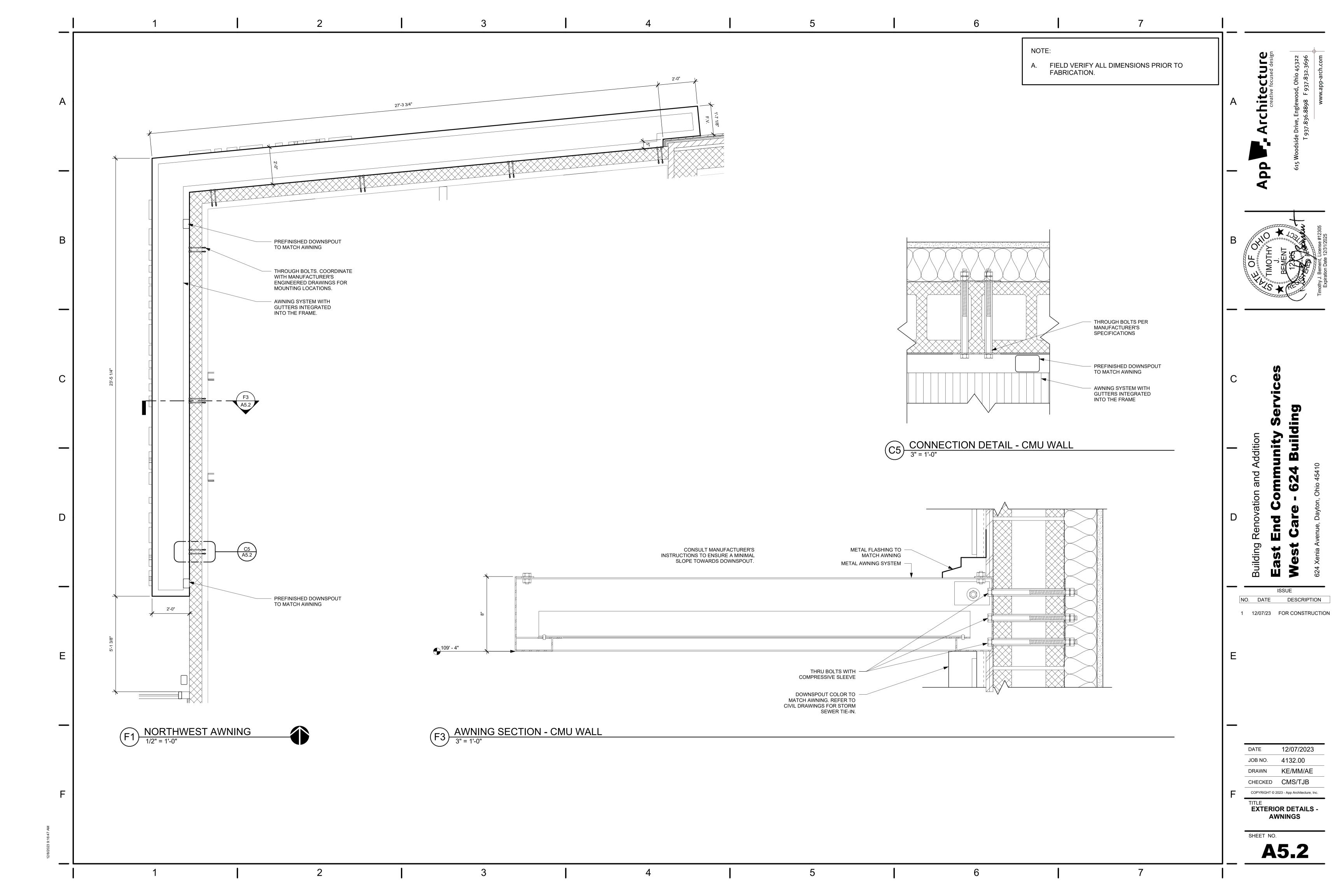


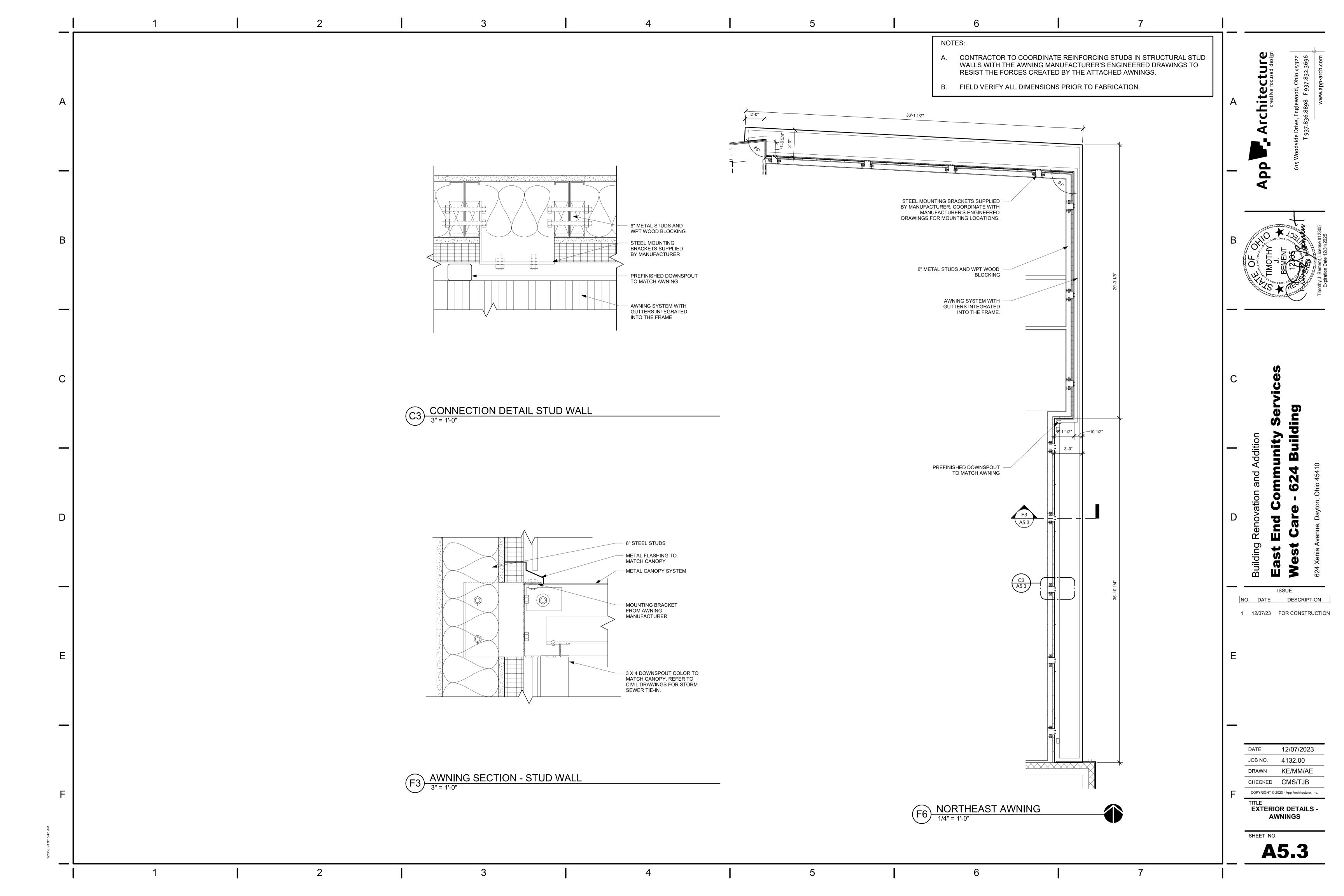


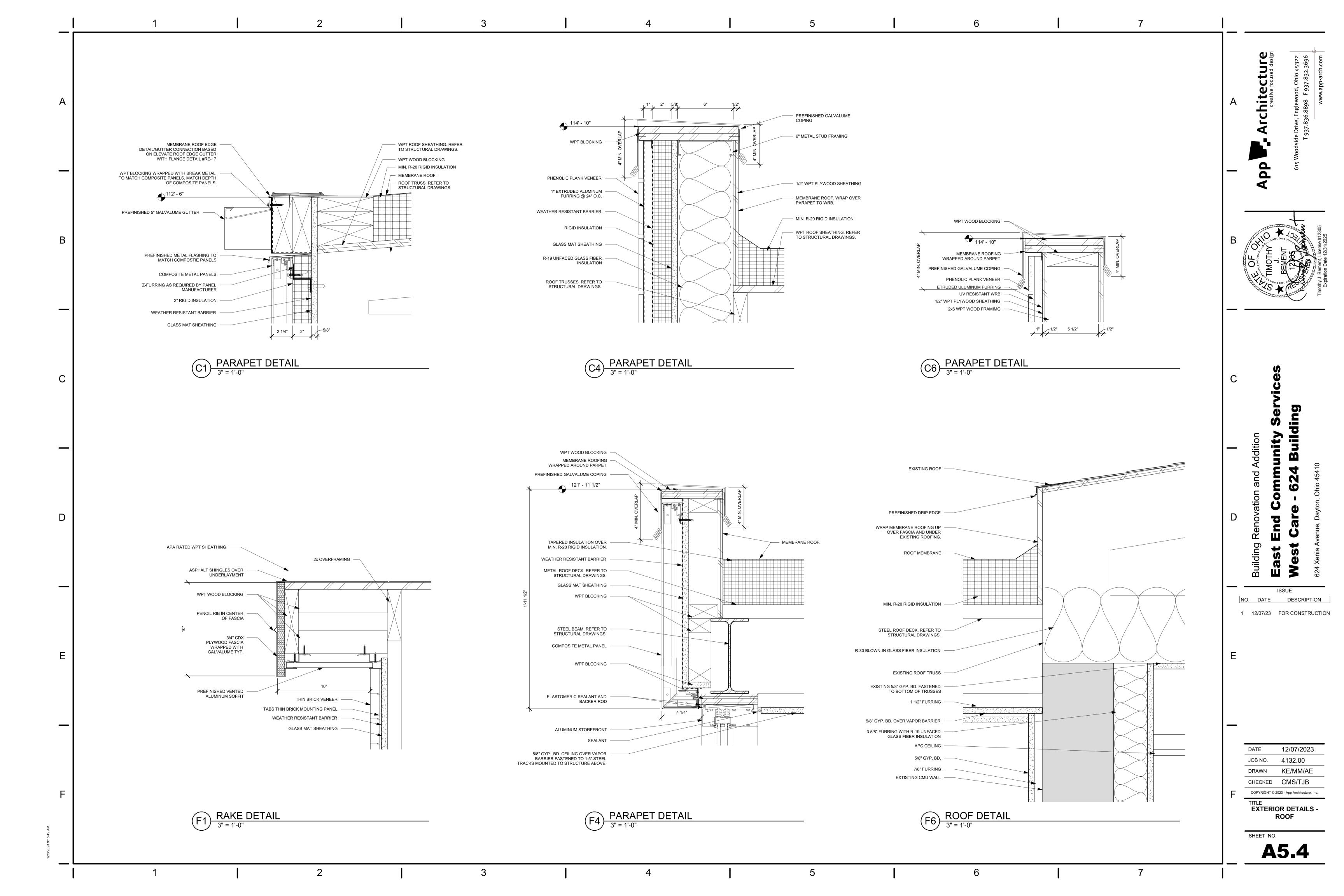


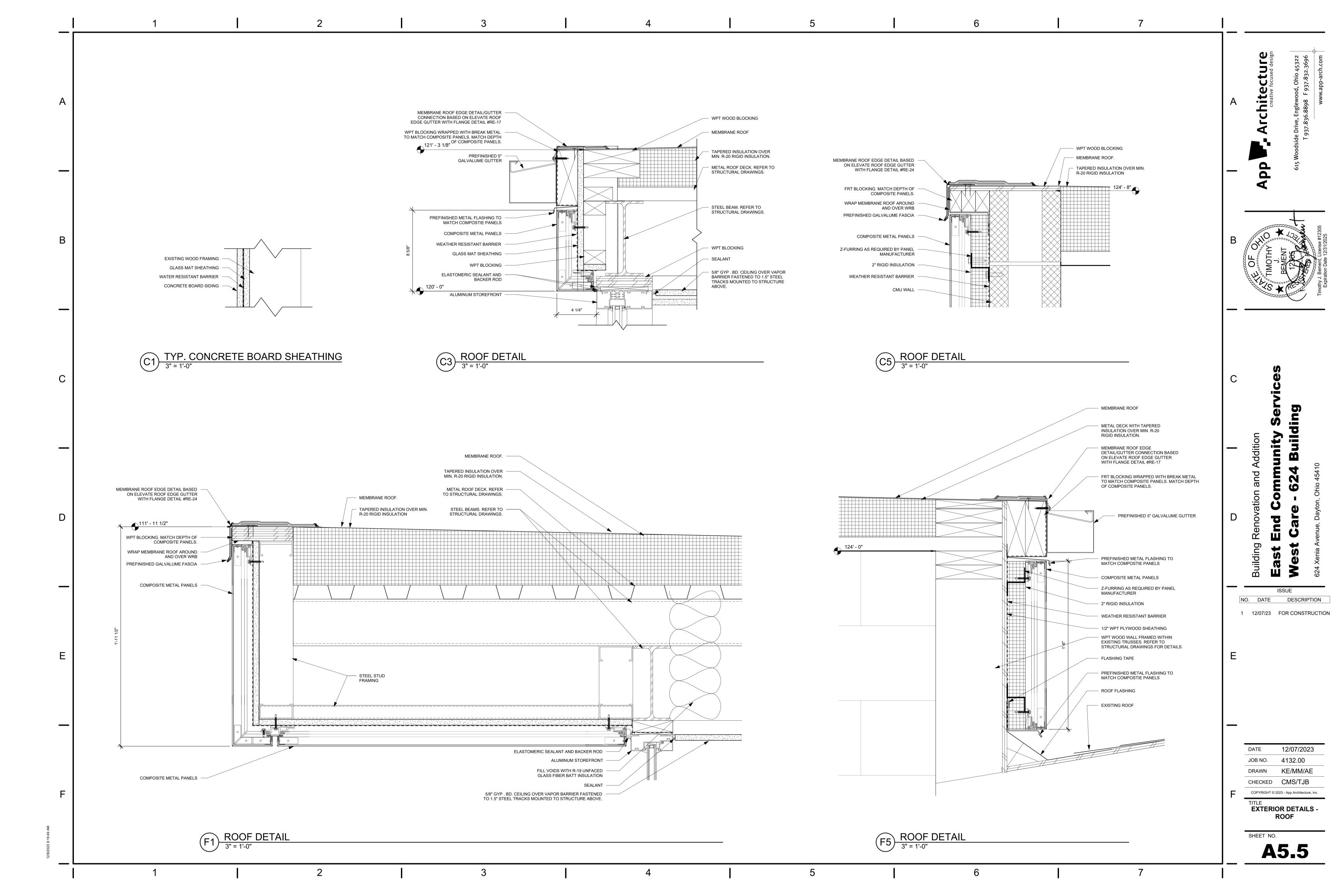


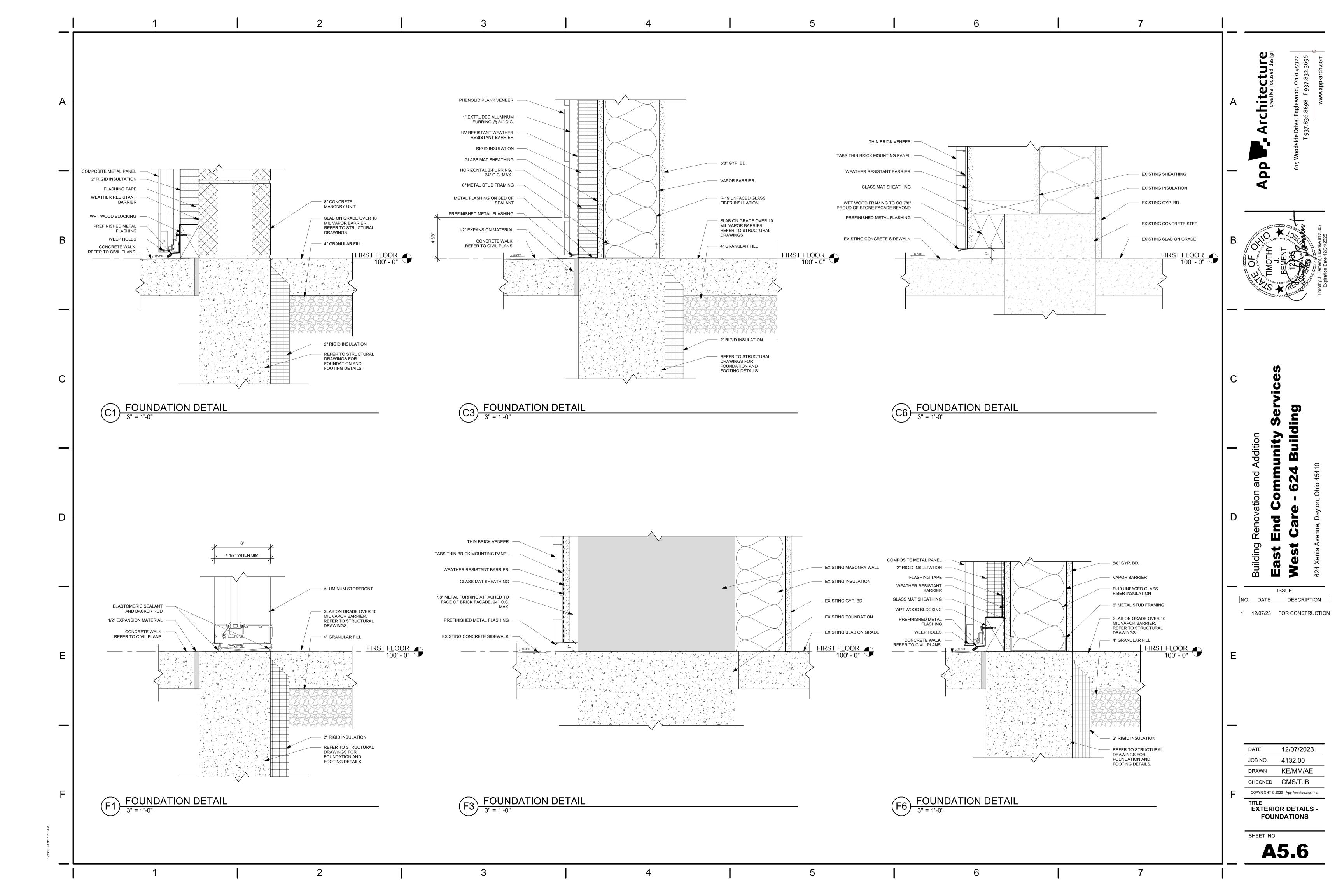


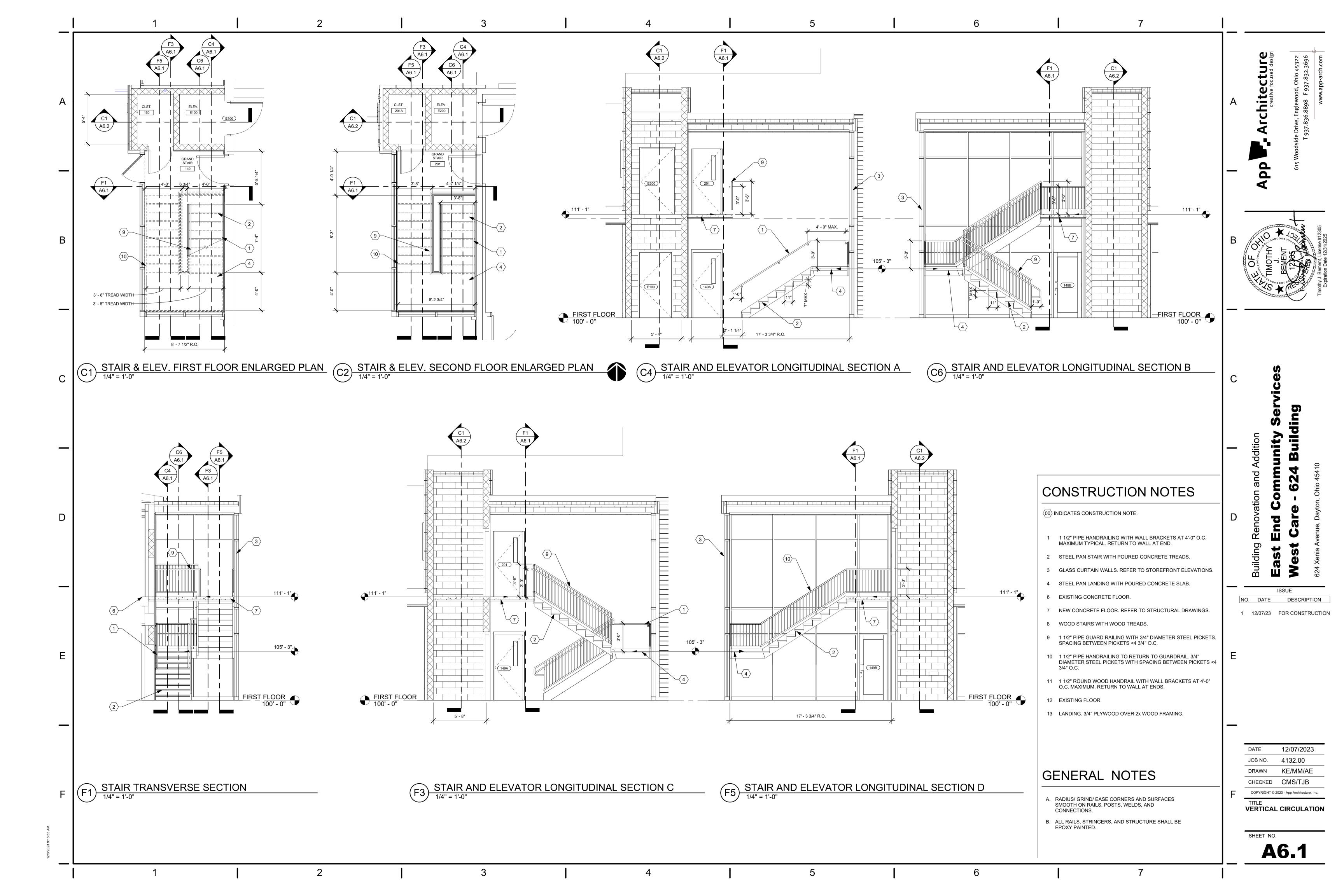


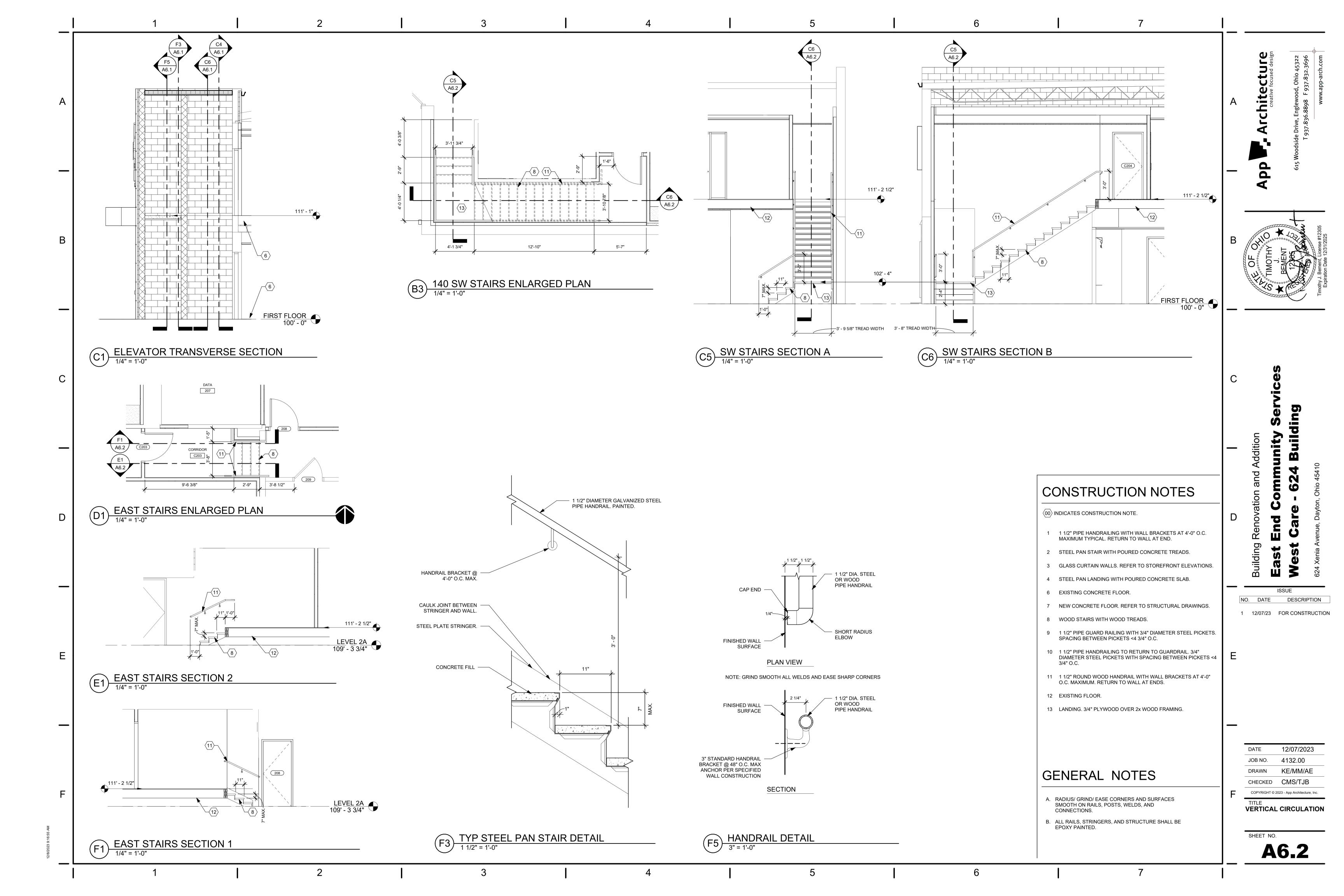


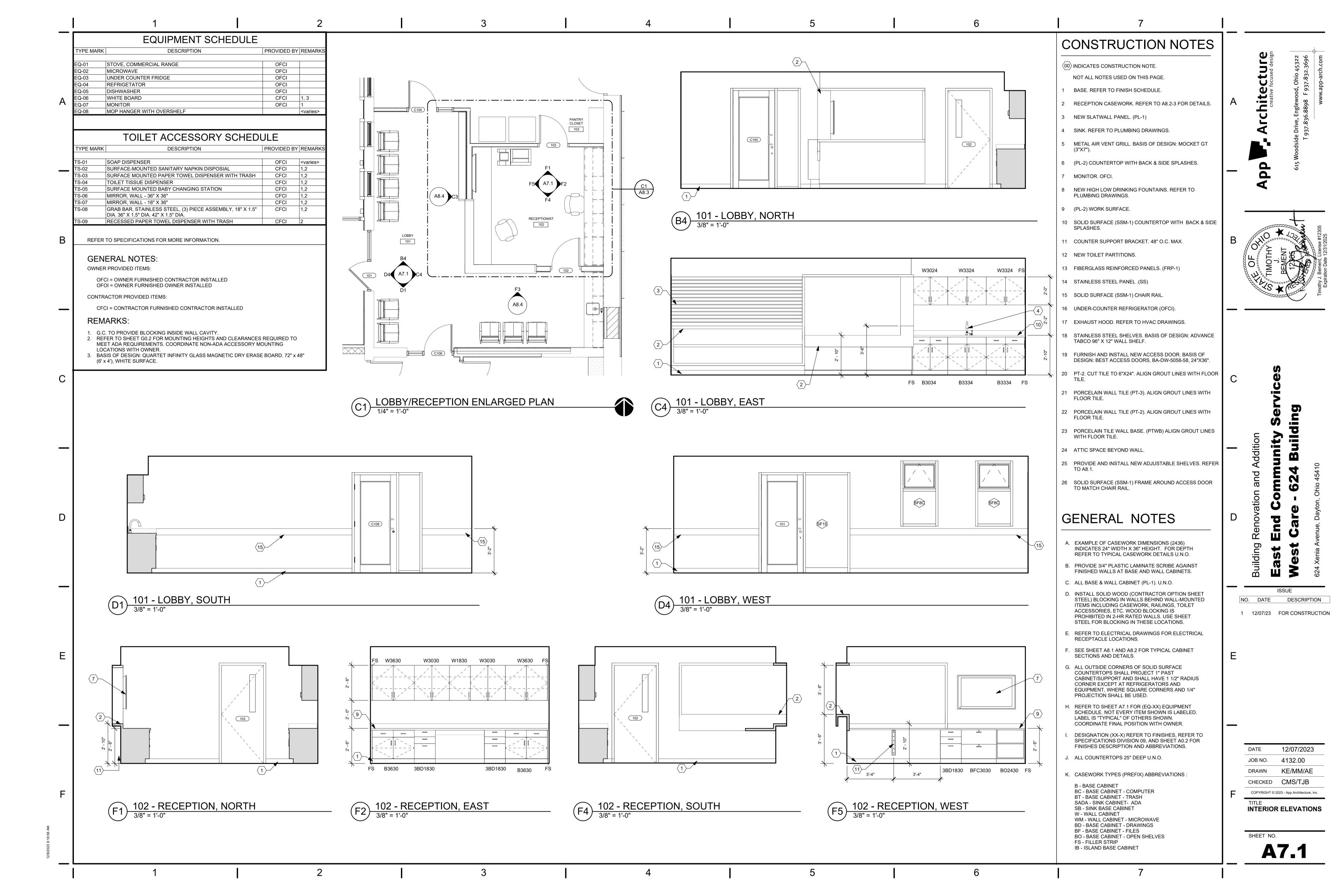


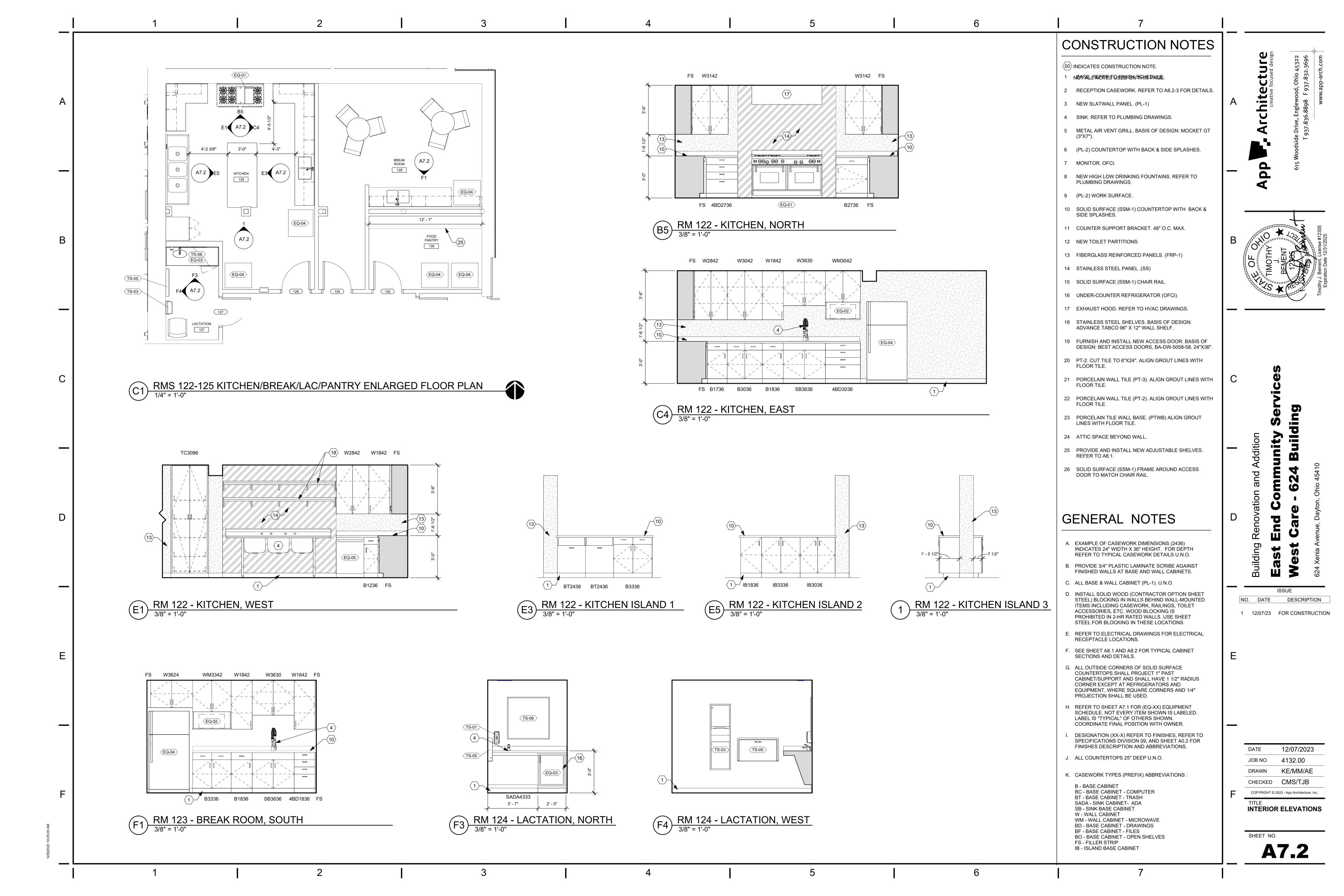


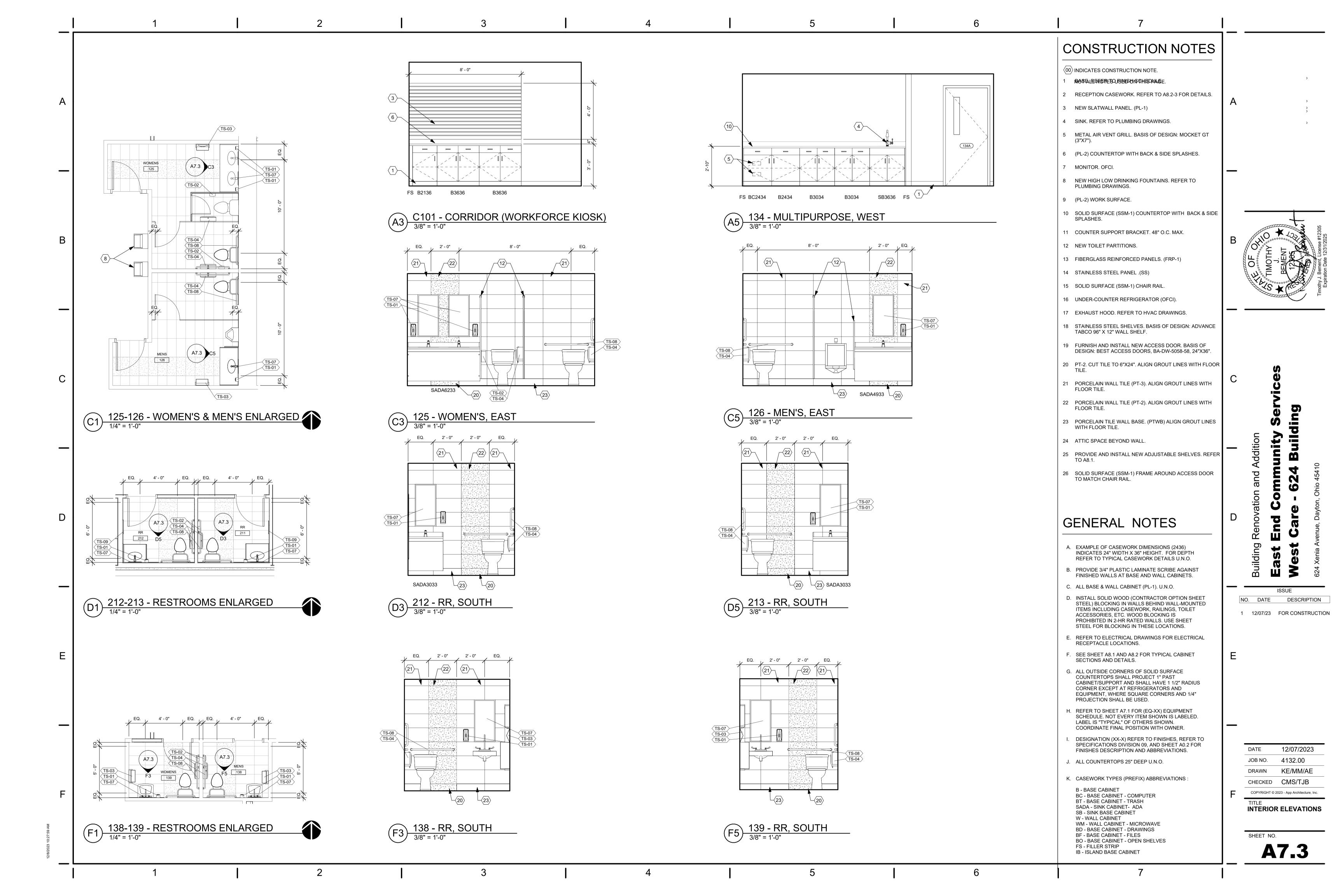


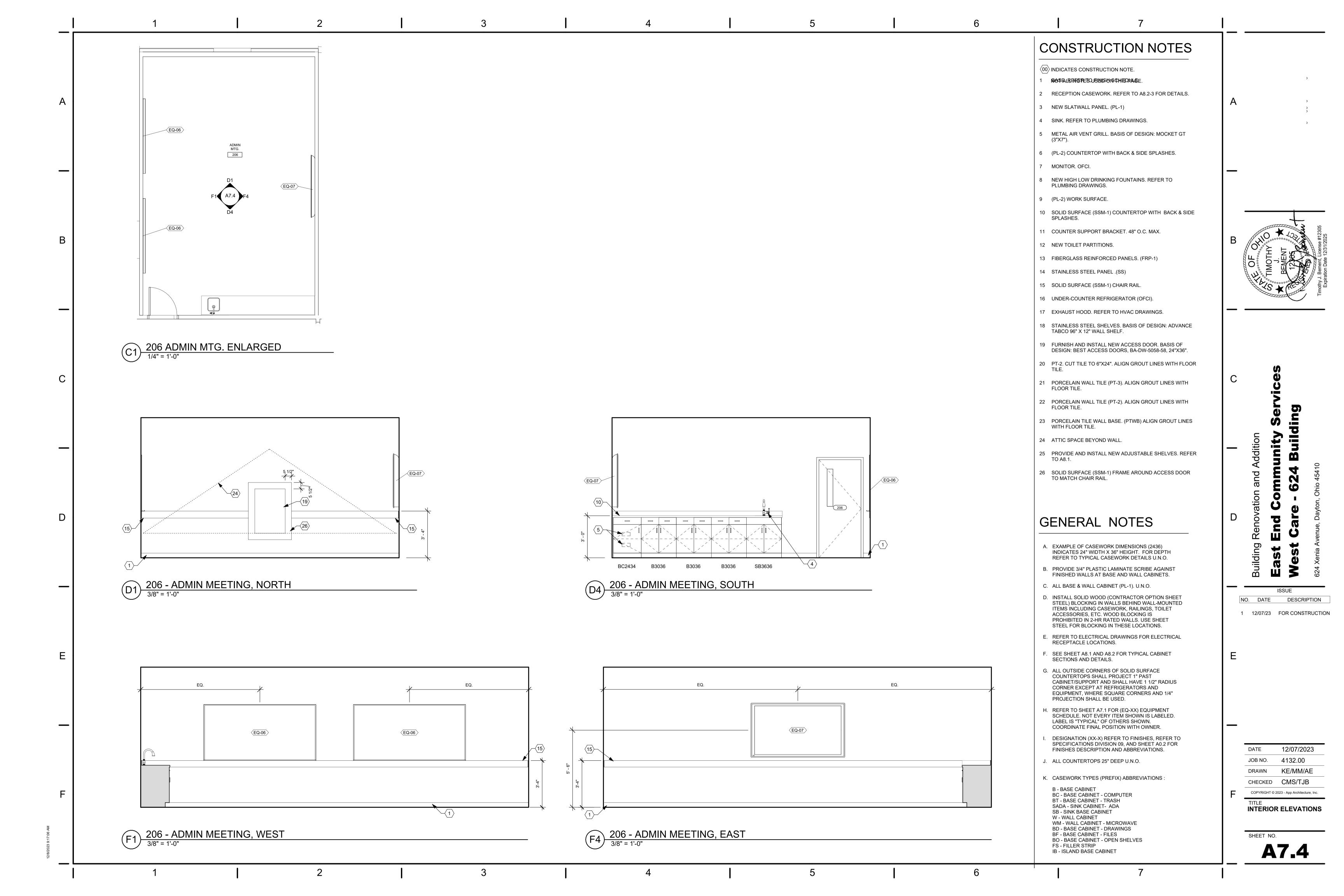


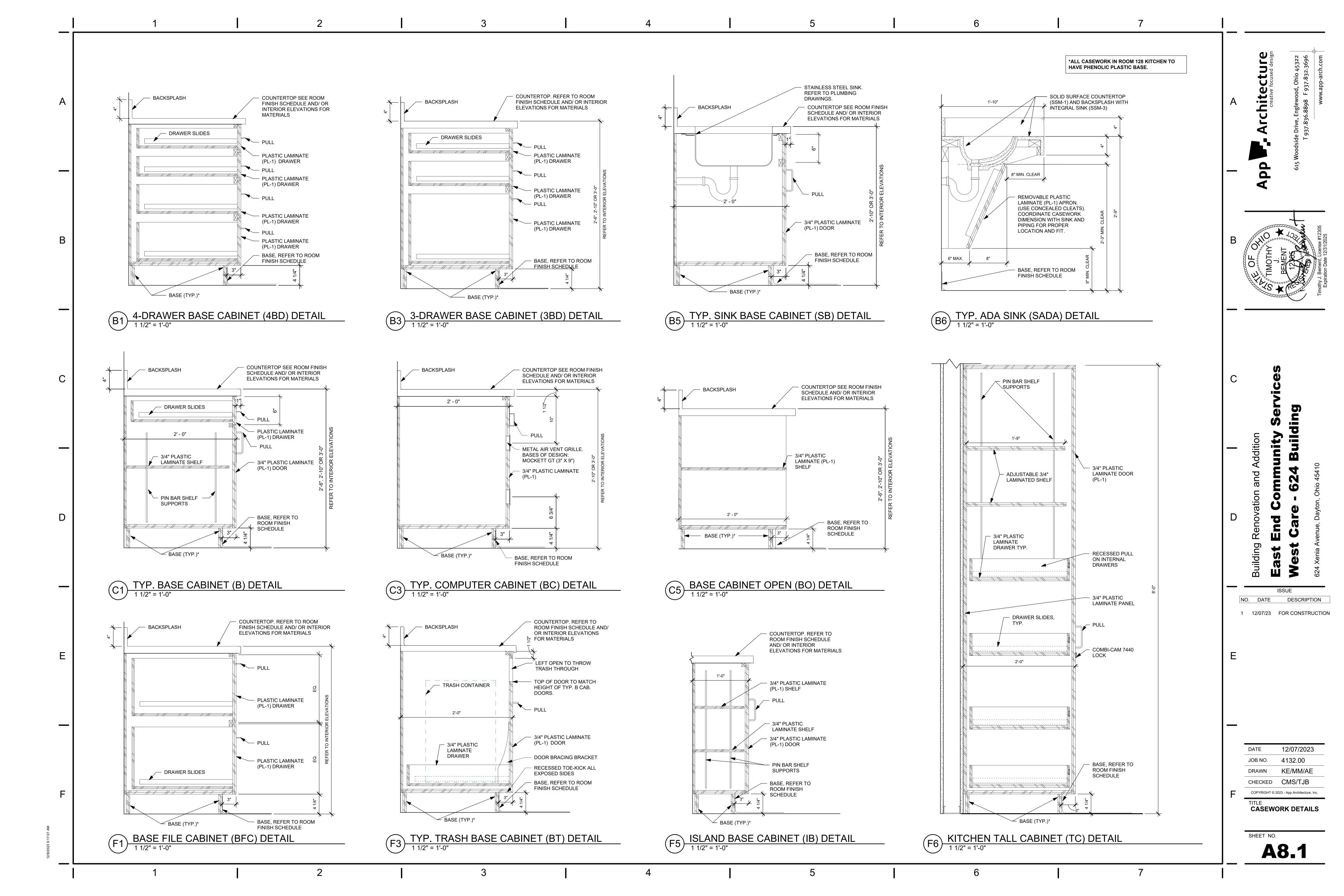


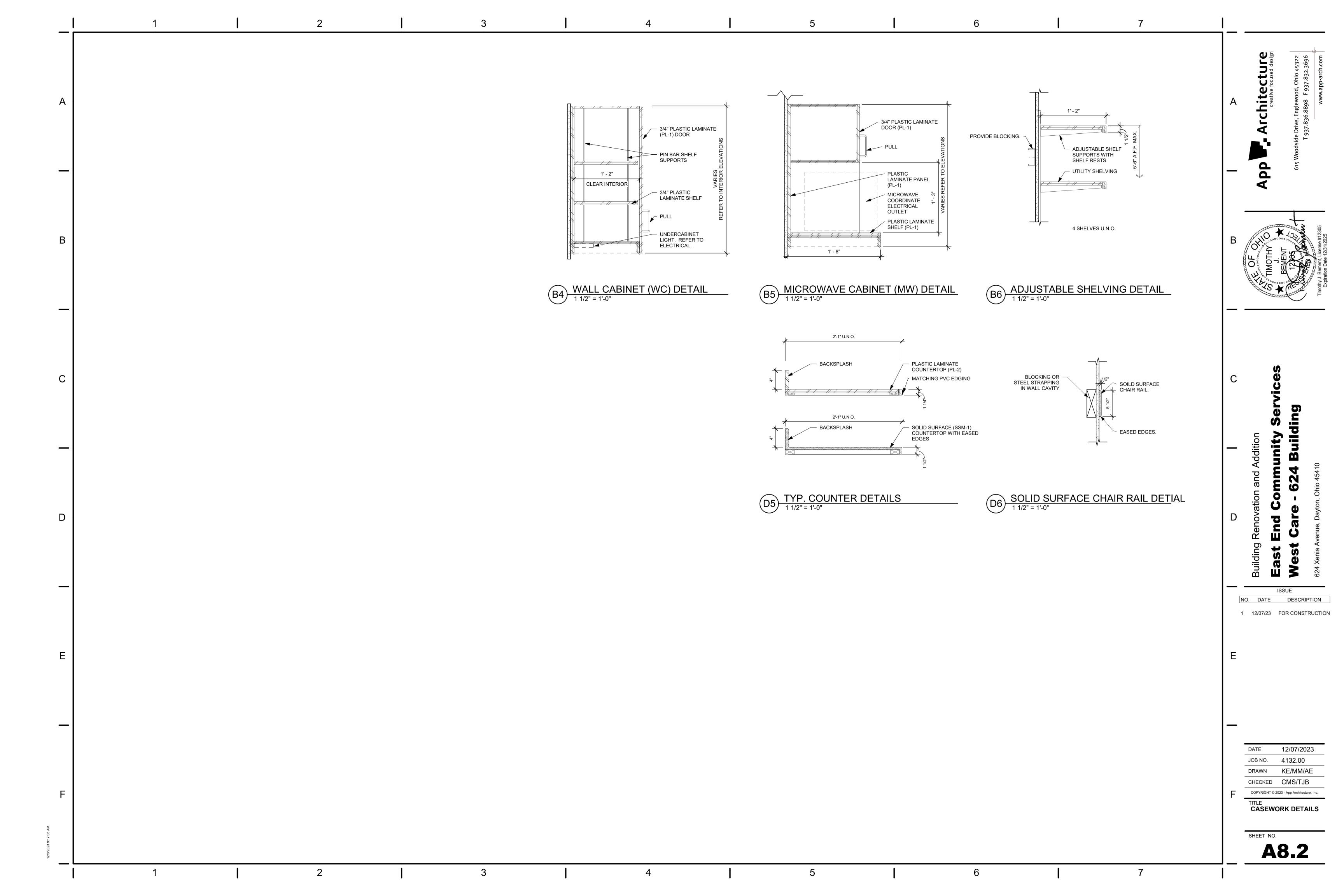


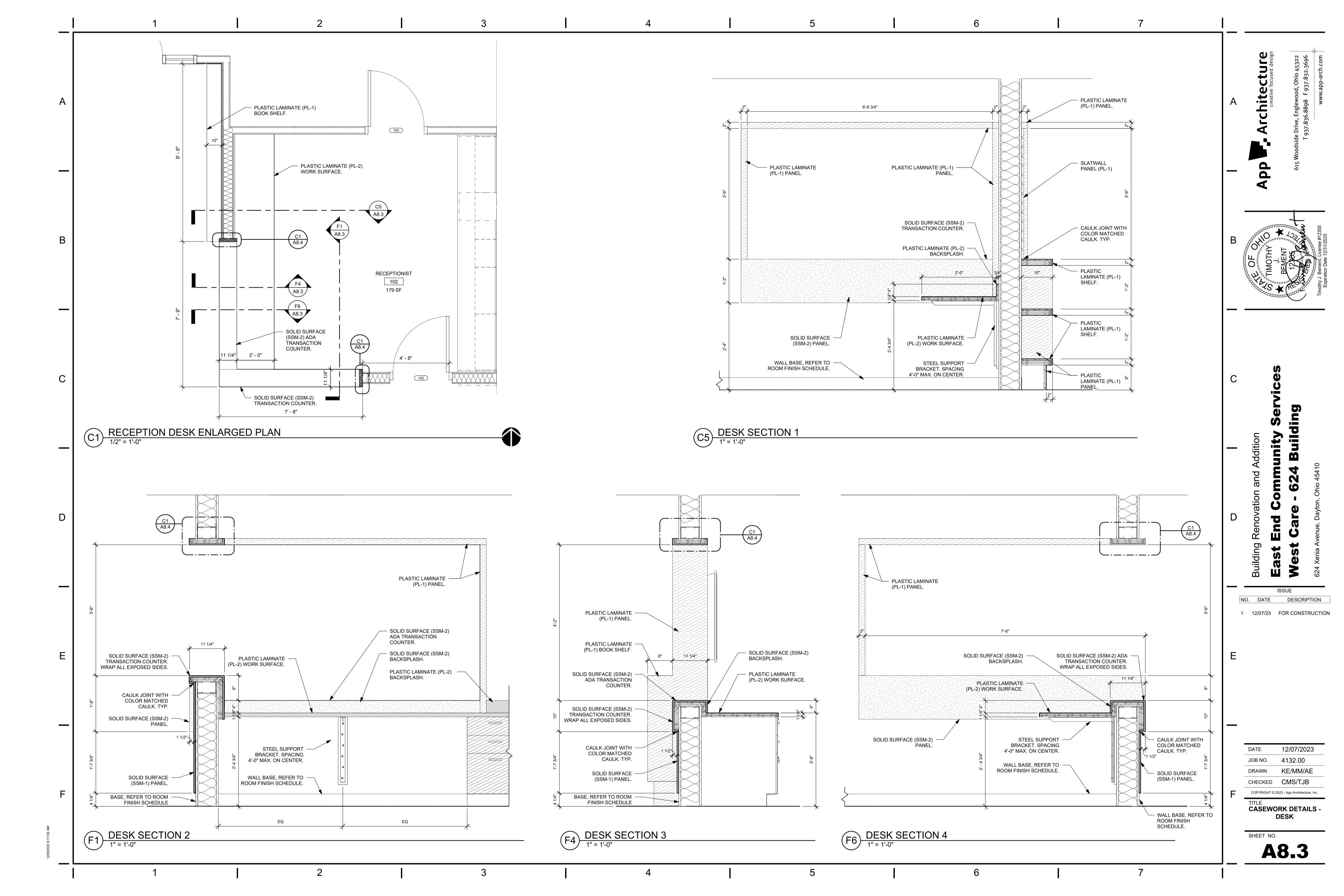


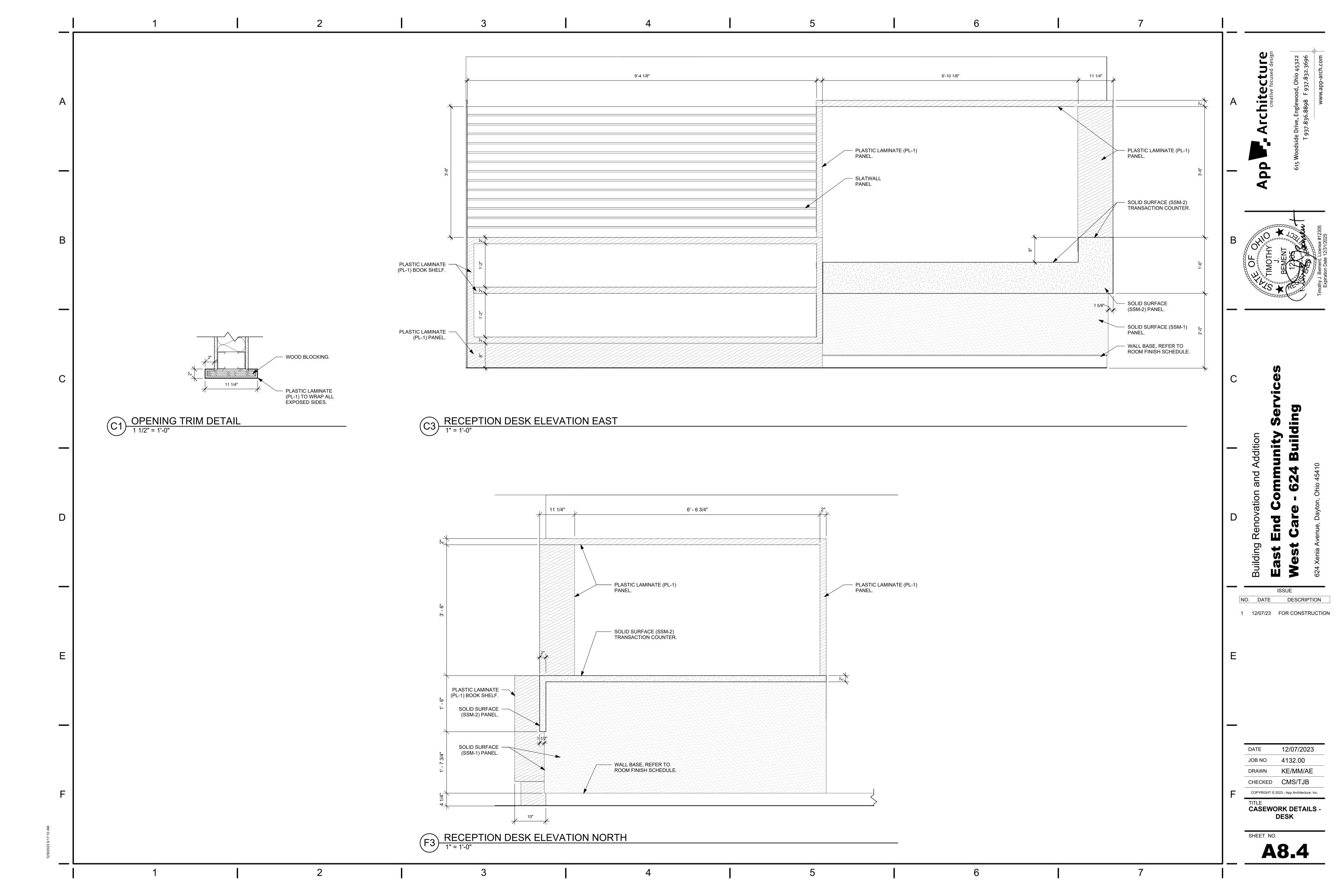














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# **GENERAL NOTES AND DETAILS**

ALL CONSTRUCTION METHODS, MATERIALS, AND SPECIFICATIONS SHALL COMPLY WITH THE LATEST VERSION OF THE CITY OF DAYTON STANDARDS AND SPECIFICATIONS AND OR THE LATEST VERSION OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARDS AND SPECIFICATIONS (INCLUDING CURRENT SUPPLEMENTAL SPECIFICATIONS 800 AND 832), WHICHEVER IS MORE RESTRICTIVE AS DETERMINED BY THE CITY OF DAYTON

# **UNDERGROUND UTILITIES**

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC. EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ACCORDING TO THE BEST AVAILABLE DATA. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING THEM IN THE FIELD PRIOR TO CONSTRUCTION AND WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THEM. CONTRACTOR TO CONTACT OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48 HOURS PRIOR TO CONSTRUCTION.

NON-MEMBERS MUST BE CALLED DIRECTLY.

### **UTILITY OWNERSHIP**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

STREETS AND STORM SEWER CITY OF DAYTON 101 W. 3RD ST. DAYTON, OHIO 45402 (937) 333-4809 ATTN: BRIAN DAHM

3233 WOODMAN DR. DAYTON, OHIO 45420 (937) 296-3588ATTN: HOWARD LAUDERMILK

**TELEPHONE** 

AT&T

**WATER AND SANITARY** DAYTON WATER & SEWER 320 W. MONUMENT AVE. DAYTON, OHIO 45402 (937) 333-2058 ATTN: BEN BOTKINS

**ALTAFIBER** 221 E. 4TH ST. CINCINNATI, OHIO 45202 (513) 566-5120ÀTTŃ: JOHN STRAUSS

HORIZON

**ADDRESS** 

**ELECTRIC** AES OHIO 1900 DRYDEN RD. DAYTON, OHIO 45439 (937) 331-4521ATTN: WILLIAM GOURLEY

CENTERPOINT ENERGY 4285 N. JAMES MCGEE BLVD. DAYTON, OHIO 45427 (937) 440-1975ATTN: CHARLES SUMMERLIN **FIBER** 

CHILLICOTHE, OHIO 45601

(740) 772-8200

CHARTER 3691 TURNER RD. DAYTON, OHIO 45415 (937) 396-8611 ATTN: MARY EVANS

CABLE

OHIO UTILITIES PROTECTION SERVICE 2 WORKING DAYS BEFORE YOU DIG CALL TOLL FREE 800-362-2764

# **UTILITY INTERFERENCE**

IF. DURING THE CONSTRUCTION. INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY AND COORDINATE AS NEEDED WITH THE UTILITY COMPANY INVOLVED. ANY AND ALL WORK REQUIRED FOR PRIVATE UTILITIES SHALL BE COORDINATED WITH AND, IF REQUIRED, DONE BY THEIR RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY, AT LEAST 7 DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS.

# MUD

THE TRACKING OR SPILLAGE OF MUD, DIRT, OR DEBRIS UPON PUBLIC STREETS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR.

## **EXISTING UTILITY CONFLICT NOTE**

IF A CONFLICT ARISES WITH EXISTING UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE UTILITY COMPANY TO GET THE CONFLICT RESOLVED.

### **UTILITY STATEMENT**

3

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. CHOICE ONE ENGINEERING CORPORATION MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN-SERVICE OR ABANDONED. CHOICE ONE ENGINEERING CORPORATION FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. CHOICE ONE ENGINEERING CORPORATION HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

### **CAD FILE DISCLAIMER**

THE CAD FILE ASSOCIATED WITH THESE CONSTRUCTION PLANS IS A NON-CERTIFIED DOCUMENT. ANY USE OF THE INFORMATION OBTAINED OR DERIVED FROM THE ASSOCIATED CAD FILE WILL BE AT THE RECEIVING PARTY/USER'S RISK. CHOICE ONE ENGINEERING CORP. OFFERS NO WARRANTY AS TO THE ACCURACY OF THE INFORMATION IN THE CAD FILE OR THAT REVISIONS HAVE BEEN ISSUED AFTER THE CAD DRAWING WAS RELEASED. RECEIVING PARTIES/USERS SHALL HOLD HARMLESS TO THE MAXIMUM EXTENT ALLOWED BY LAW CHOICE ONE ENGINEERING CORP. FROM ANY USE OF THE CAD FILE BY THE RECEIVING PARTY/USER. IN ALL CIRCUMSTANCES, AND AT ALL TIMES, THE PUBLISHED PAPER AND/OR PDF DRAWINGS FOR THE PROJECT SHALL SUPERSEDE THE CAD FILES. IN THE CASE OF AN INCONSISTENCY BETWEEN THE PUBLISHED PAPER/PDF DRAWINGS AND THE ASSOCIATED CAD FILE, THE PUBLISHED PAPER/PDF DRAWINGS SHALL GOVERN THE PROJECT AND ALL WORK.

# **SAFETY**

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

# **CLEAN WATER NOTE**

ROOF DRAINS, FOUNDATION DRAINS, AND ALL OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SYSTEM ARE PROHIBITED.

### **GENERAL NOTES**

1. ALL UTILITIES SHALL BE INSTALLED, TESTED, AND COMPLY WITH THE LATEST VERSION OF THE CITY OF DAYTON STANDARDS AND SPECIFICATIONS.

2. ALL DISTURBED AREAS AND ALL NON-PAVEMENT AREAS SHALL HAVE A MINIMUM OF 6" OF TOP SOIL PLACED AND ARE TO BE SEEDED AND MULCHED PER ODOT ITEM 659.

3. ALL CONCRETE USED FOR HEAVY DUTY PAVEMENT(S) AND STANDARD DUTY PAVEMENT(S) SHALL BE ODOT QC-1P AND REINFORCED WITH CONCRETE FIBERS AS SPECIFIED IN THE PROPOSED PAVEMENT SECTION(S) OR AS NOTED HERE. ALL OTHER CONCRETE (WALKS, CURBS, ETC.) SHALL ALSO BE ODOT QC-1P. ALL CONCRETE SHALL BE REINFORCED WITH 3 LBS/CY OF EITHER EUCLID CHEMICAL TUFSTRAND SF, FORTA FERRO FIBRILLATED MACROFIBERS OR APPROVED EQUIVALENT MEETING ASTM C 1116 TYPE 3, MINIMUM 2" LENGTH, ASPECT RATIO 50 TO 90. CONTRACTOR SHALL CONTACT THE FIBER MANUFACTURER'S SUPPLIER 48 HOURS PRIOR TO ORDERING THE FIRST BATCH OF CONCRETE FOR APPROPRIATE MIXING AND FINISHING PROCEDURES.

4. CONTRACTOR TO BE RESPONSIBLE FOR ANY PERMITS OR FEES THAT MAY BE NECESSARY FOR THE COMPLETION OF THE SITE WORK.

5. ALL WORK SHALL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ADA REGULATIONS AND STANDARDS.

6. ALL ITEMS ON SITE PLAN SHALL BE CONSTRUCTED PER THE LATEST VERSION OF THE CITY OF DAYTON STANDARDS.

## SUBCONTRACTOR SUPERVISION

THE CONTRACTOR IS REQUIRED TO HAVE SOMEONE ON-SITE TO SUPERVISE THE SUBCONTRACTOR FOR QUALITY CONTROL PURPOSES AND TO PROVIDE ANY NECESSARY ASSISTANCE TO THE SUBCONTRACTOR TO ENSURE QUALITY WORK. COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACTOR'S OVERALL LUMP SUM BID FOR THE PROJECT.

# **EXCAVATION AND EMBANKMENT**

TOPSOIL SHALL BE REMOVED FROM ALL DISTURBED AREAS AND ALL AREAS TO BE EXCAVATED OR EMBANKED. A MINIMUM OF 6" OF TOPSOIL SHALL BE FINE GRADED ON ALL DISTURBED AREAS.

ALL EMBANKMENT SHALL BE COMPACTED TO A MINIMUM OF 100% STANDARD PROCTOR OR AS DETERMINED BY THE OWNER. TESTING MAY BE REQUIRED BY THE OWNER.

# **MAINTAINING TRAFFIC**

MAINTAIN TRAFFIC AS INDICATED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", ALSO THE FOLLOWING REQUIREMENTS SHALL APPLY.

AT TIMES WHEN WORK IS NOT BEING PERFORMED

LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT DURING THE TIME THAT AN APPROVED CLOSURE AND DETOUR IS ALLOWED BY THE GOVERNING AUTHORITY.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING NECESSARY TRAFFIC CONTROL DEVICES AND PAVEMENT REPAIR MATERIALS TO

NO SHUT DOWN OF ANY OWNER FACILITY DRIVE, ROADWAY OR PARKING LOT WILL BE ALLOWED WITHOUT WRITTEN CONSENT FROM THE OWNER. ALL OWNER ROADWAYS MUST HAVE AT LEAST ONE LANE OPEN AT ALL TIMES. NO STAGING OF TRUCKS OUTSIDE OF CONSTRUCTION LIMITS WILL BE PERMITTED WITHOUT CONSENT FROM THE OWNER.

## SAWCUT PAVEMENT JOINTS

MORE THAN ONE SAWCUT MAY BE NECESSARY TO ENSURE A CLEAN CUT. JUST PRIOR TO ASPHALT OR CONCRETE PLACEMENT, ASPHALT MATERIAL SHALL BE PLACED ON THE VERTICAL FACE OF SAWCUT JOINTS PRIOR TO PAVING AS PER 401.14. AFTER THE ASPHALT WORK IS COMPLETED, THE TRANSVERSE JOINTS SHALL BE SEALED WITH LIQUID ASPHALT.

# **PAVEMENT MARKINGS**

ALL PAVEMENT MARKINGS SHALL BE PER ODOT ITEM 640 AND 642. ALL PAVEMENT MARKINGS TO BE TYPE 1, UNLESS APPLICATION IS REQUIRED WHEN AIR AND PAVEMENT TEMPERATURES ARE BETWEEN 35 °F AND 50 °F, THEN OBTAIN APPROVAL FROM THE OWNER AND APPLY ONLY PRE-QUALIFIED TYPE 1A COLD WEATHER TRAFFIC PAINT MATERIALS PER ITEM 642 AND 740.

ALL MARKING LAYOUT AND COLOR SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION

# **UTILITIES**

OF GAS, ELECTRIC, TELEPHONE, CABLE TELEVISION, FIBER OPTIC, ETC. AS REQUIRED AND/OR AS SHOWN ON UTILITY PLAN AND ARCHITECTURAL SHEETS. CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES PRIOR TO INSTALLATION OF ANY FACILITIES. ALL UTILITIES SHALL BE INSTALLED PER EACH PARTICULAR UTILITY COMPANY'S STANDARDS AND PROCEDURES. CONTRACTOR TO VERIFY ACTUAL SIZES. LOCATIONS (POINTS OF ENTRY INTO THE BUILDING) AND INVERTS OF ALL UTILITIES TYING INTO THE BUILDING WITH ALL ARCHITECT PLANS (BUILDING, PLUMBING, ELECTRICAL, ETC.) BEFORE CONSTRUCTION.

### ASPHALT PAVEMENT REPLACEMENT NOTE

FULL DEPTH AND RESTORED TO MATCH THE EXISTING PAVEMENT CROSS SECTION UNLESS OTHERWISE NOTED IN THE PLANS.

### REVIEW OF DRAINAGE FACILITIES

OWNER, AND THE CONTRACTOR, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. ALL EXISTING SEWERS INSPECTED BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO PRE-EXISTING CONDITION OF THE SEWER. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF DAYTON AND/OR

ALL NEW CONDUITS, UNDERDRAINS (INCLUDING THE STONE BACKFILL ABOVE THE UNDERDRAIN PIPING), INLETS, CATCH BASINS, MANHOLES, SWALES/DITCHES. AND DETENTION/RETENTION BASINS CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER (INCLUDING SEDIMENT) AND IN A CLEAN CONDITION AND FULLY AND PROPERLY FUNCTIONAL BEFORE THE PROJECT WILL BE ACCEPTED BY

EXCAVATIONS WITHIN PUBLIC RIGHT-OF-WAY LIMITS SHALL BE CLOSED

MAINTAIN THE TRAVELED PAVEMENT SAFELY.

CONTRACTOR SHALL INSTALL AND/OR COORDINATE THE INSTALLATION

ANY EXISTING PAVEMENT THAT IS TO BE REMOVED SHALL BE SAWCUT

BEFORE FINAL ACCEPTANCE BY THE OWNER, REPRESENTATIVES OF THE

THE OWNER.

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12-07-2023 DATE JOB NO. 4132.00 DSF DRAWN CHECKED MSK

**GENERAL NOTES** 

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TITLE
GENERAL NOTES

Engineering

C0.2

GENERAL NOTES FOR CIVIL WORK

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRU

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING AND IS TO INCLUDE SUCH COSTS AS A PART OF THE LUMP SUM PRICE ON THE PROJECT.

ALL WORK TO BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.

2. THE CONTRACTOR IS RESPONSIBLE TO CONTACT THE APPROPRIATE UNDERGROUND UTILITY MARKING SERVICE PRIOR TO THE START OF ANY CONSTRUCTION IN ORDER TO AVOID CONFLICTS WITH EXISTING UTILITIES. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR IS TO NOTIFY THE OWNER PRIOR TO THE START OF ANY WORK THAT WOULD BE IN CONFLICT WITH THE UTILITIES.

3. THE CONTRACTOR IS TO VISIT AND INVESTIGATE THE PROJECT SITE, PRIOR TO BIDDING, IN ORDER TO DETERMINE THE EXISTING GROUND AND SITE CONDITIONS. FOR SOIL TYPE AND GROUND WATER TABLE, THE CONTRACTOR IS ENCOURAGED TO UTILIZE ANY AVAILABLE DATA TO ESTIMATE GROUND CONDITIONS. SHOULD THE BIDDING CONTRACTOR REQUIRE ADDITIONAL TEST HOLES PRIOR TO BIDDING IN ORDER TO DETERMINE OR VALIDATE GROUND CONDITIONS, THIS CAN BE COMPLETED AT THE DISCRETION OF THE OWNER. NO TEST HOLES ARE TO BE DUG WITHOUT CONTACTING THE OWNER'S REPRESENTATIVE PRIOR TO EXCAVATION AND WITHOUT RECEIVING WRITTEN APPROVAL

4. THE CONTRACTOR SHALL COMPLY WITH ALL RULES AND REGULATIONS WITH REGARD TO EXCAVATION, SAFETY, QUALITY AND WORK PROGRESS. IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH THESE THROUGHOUT CONSTRUCTION OPERATIONS.

FROM THE OWNER'S REPRESENTATIVE TO DO SO.

5. THE LOCATION OF MATERIALS STORED ON SITE MUST RECEIVE THE APPROVAL OF THE OWNER. IN GENERAL, MATERIALS SHOULD BE STORED SO AS TO MINIMIZE THE INCONVENIENCE TO THE OWNER.

6. IF EXCAVATED MATERIALS ARE FOUND TO BE CONTAMINATED, REMEDIATION WILL BE AT THE OWNER'S EXPENSE PRIOR TO REMOVAL FROM THE SITE OR DISPOSAL ON—SITE BY THE CONTRACTOR. THIS PROCESS WILL BE COORDINATED BETWEEN THE OWNER AND CONTRACTOR.

# CLASS 1 (LAWN MIXTURE), AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 659, SEEDING AND MULCHING, EXCEPT AS HEREIN MODIFIED.

ALL DISTURBED AREAS OR AREAS DESIGNATED FOR SEEDING SHALL BE GRADED AND SEEDED AND SHALL HAVE A MINIMUM OF 6" OF TOPSOIL OVER THE ENTIRE AREA. TESTING THE PH OF ANY EXISTING OR IMPORTED TOPSOIL PER ODOT 659.02 SHALL BE WAIVED. THE AREA SHALL BE HAND—RAKED AND DRESSED READY FOR SEEDING. NO STONE OVER 1" IN SIZE PERMITTED IN THE TOP 6".

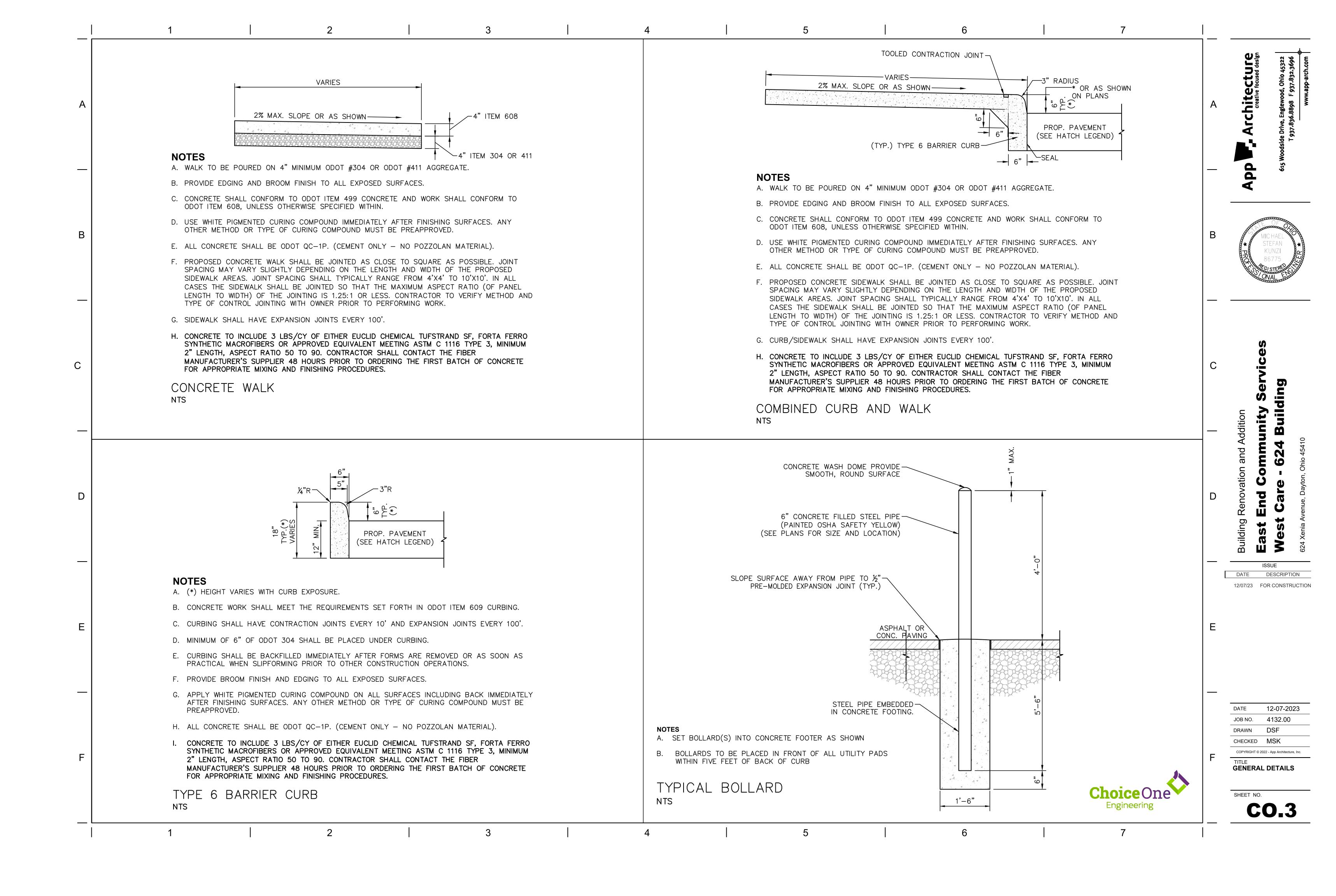
SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL.

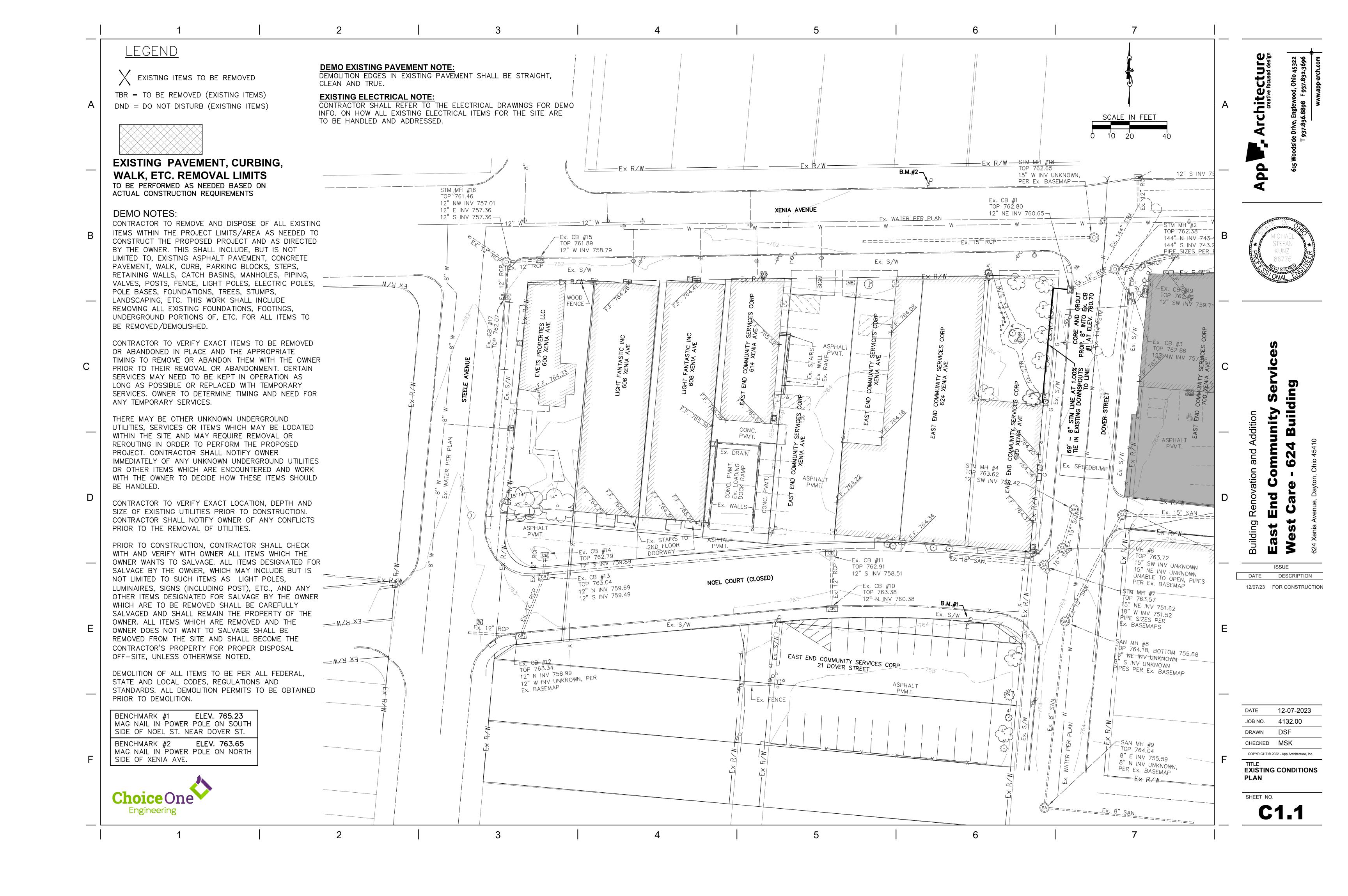
IT'S THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE THE REQUIRED GERMINATION RATES AND ENSURE THE GRASS IS ESTABLISHED TO THE SATISFACTION OF THE OWNER WHICH MAY REQUIRE WATERING, REGRADING/ADDING TOPSOIL AND RESEEDING. ANY AREAS THAT HAVE ERODED OR WHERE NEW GRASS DID NOT GERMINATE SHALL BE ADDRESSED BY THE CONTRACTOR UNTIL THE AREAS ARE STABILIZED, SHAPED, AND DRAINED, AS INDICATED IN THE PLANS.

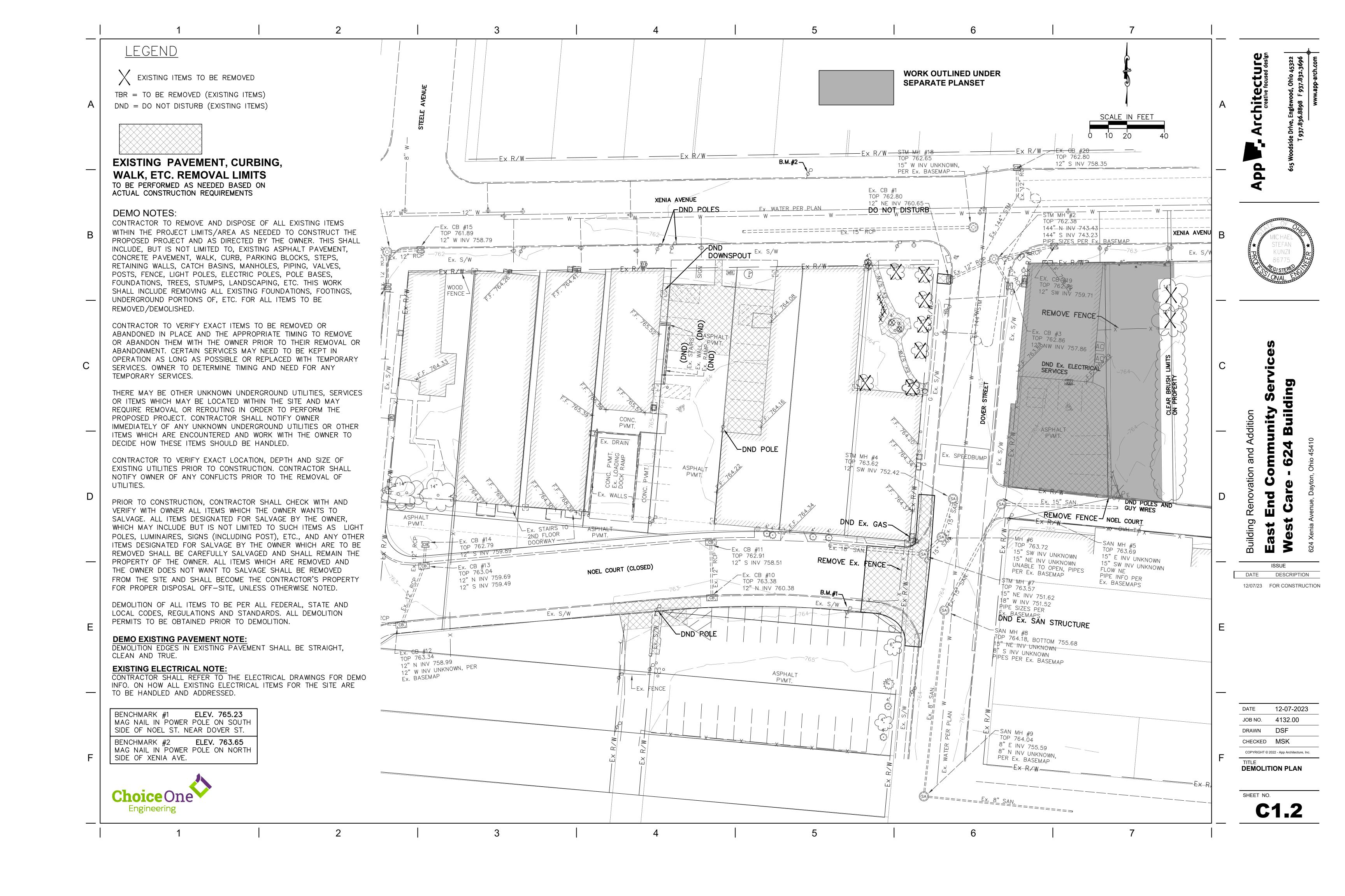
ANY DISTURBED AREA, OUTSIDE OF THE PROJECT WORK LIMITS, CAUSED BY THE CONTRACTOR'S WORK, SHALL BE RESTORED TO THE SATISFACTION OF THE PROPERTY OWNER AND PROJECT OWNER'S REPRESENTATIVE, AT THE CONTRACTOR'S SOLE EXPENSE. THIS ITEM INCLUDES: TOPSOIL, SEEDING, MULCHING, COMMERCIAL FERTILIZER, WATER, AND REPAIR SEEDING AND MULCHING.

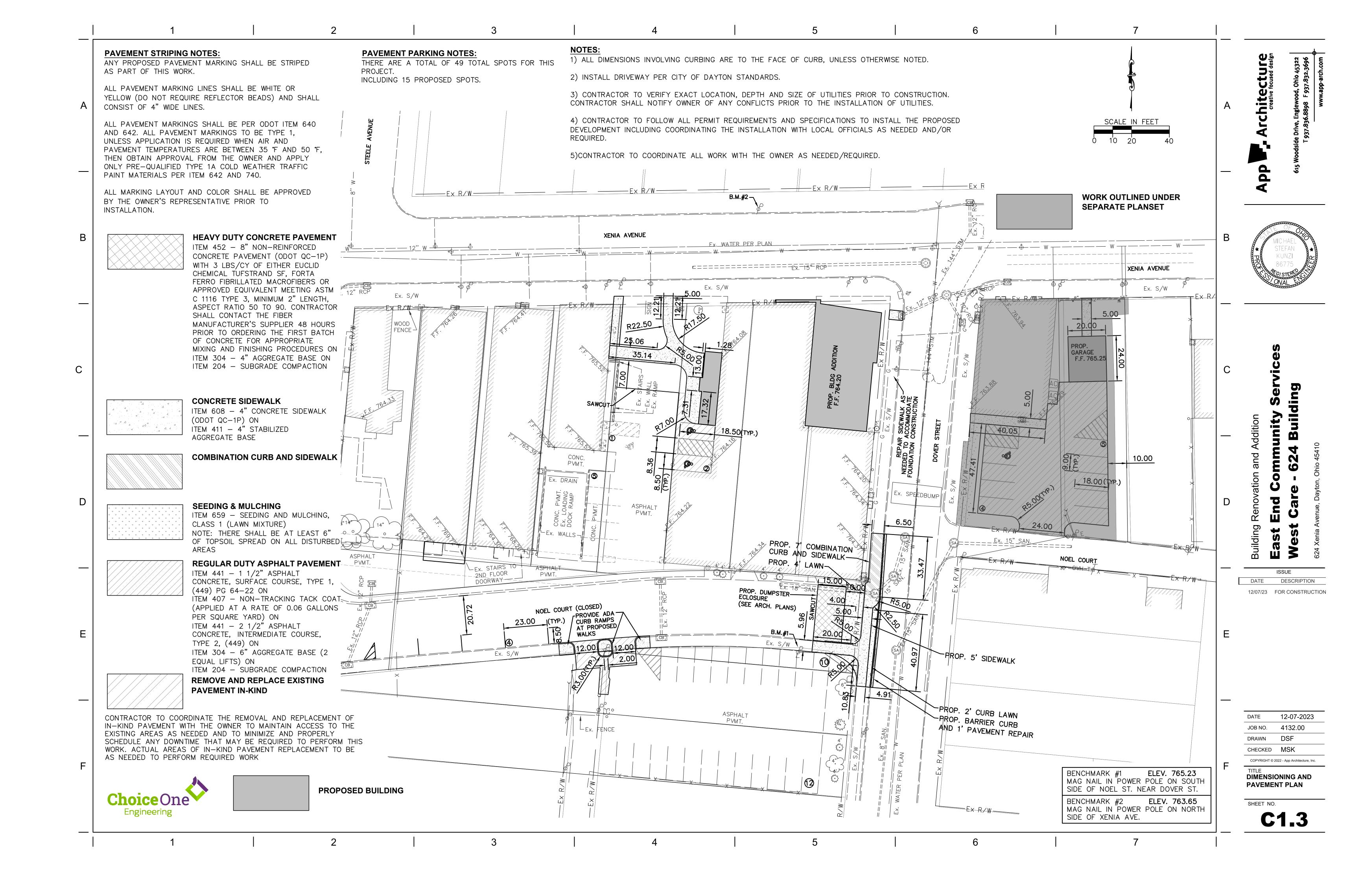
PAYMENT FOR ITEM 659 SEEDING AND MULCHING, CLASS 1 (LAWN MIXTURE), AS PER PLAN, FOR ALL ABOVE OPERATIONS, SHALL BE INCLUDED IN THE LUMP SUM BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

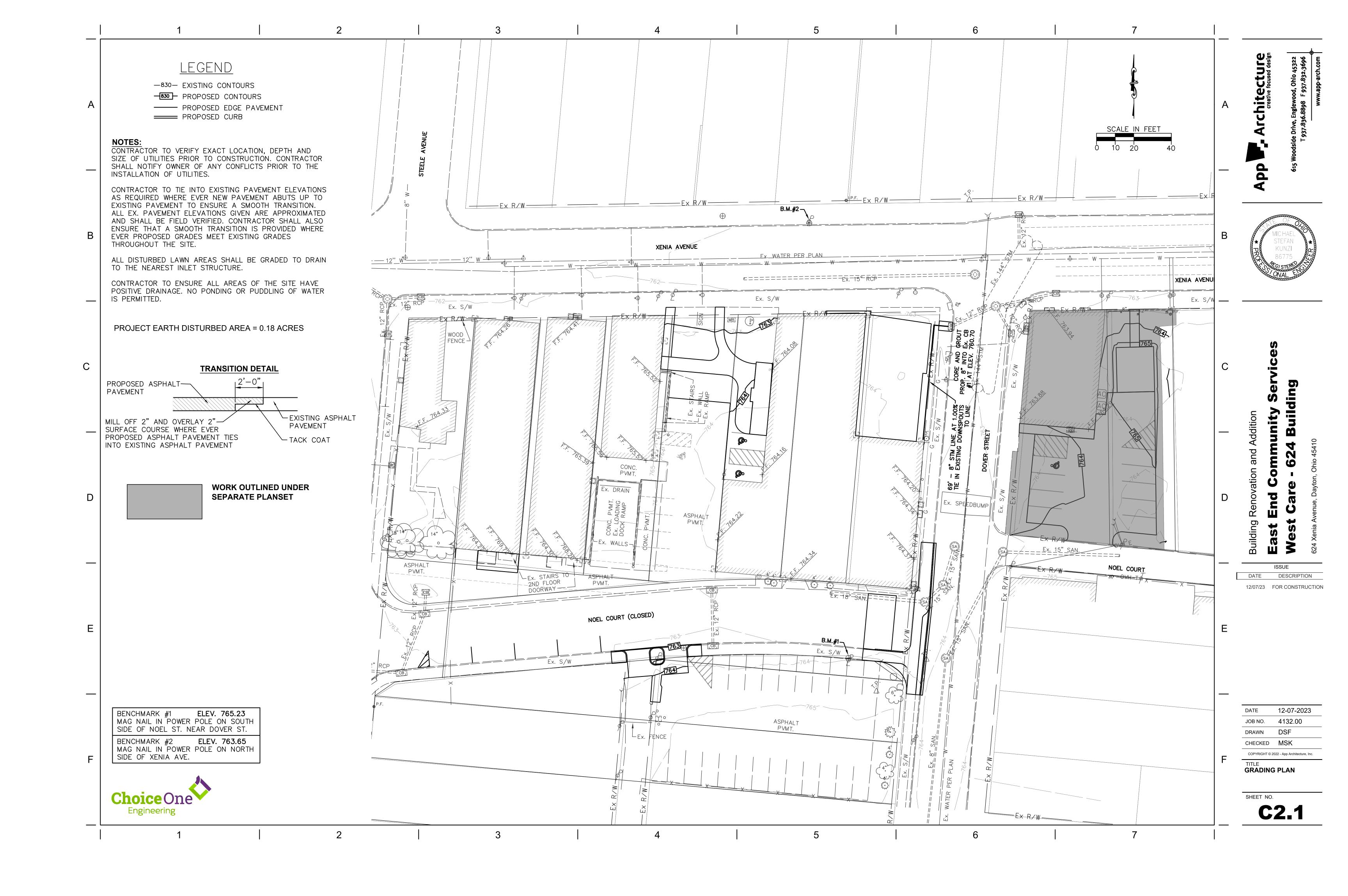
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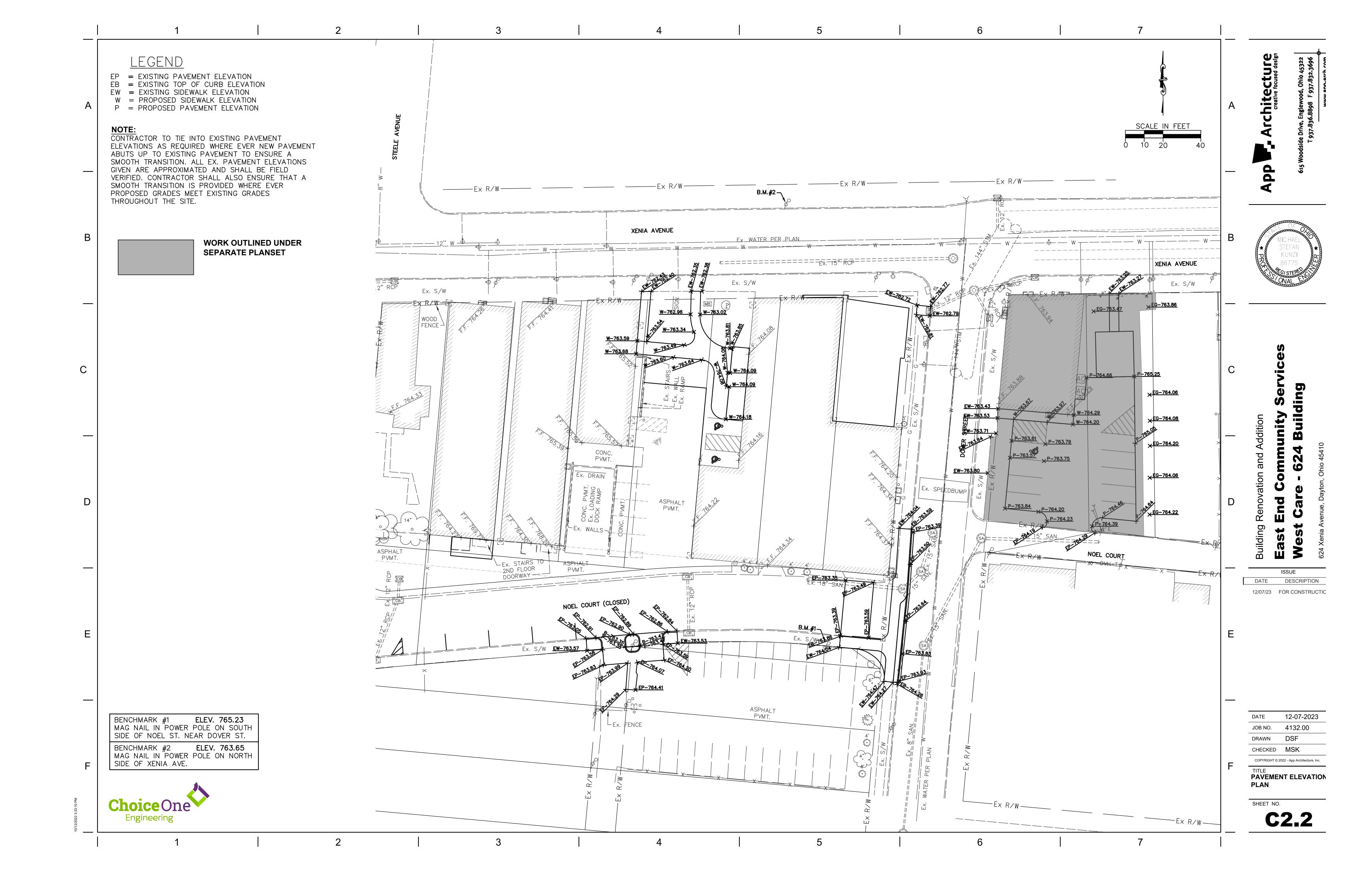


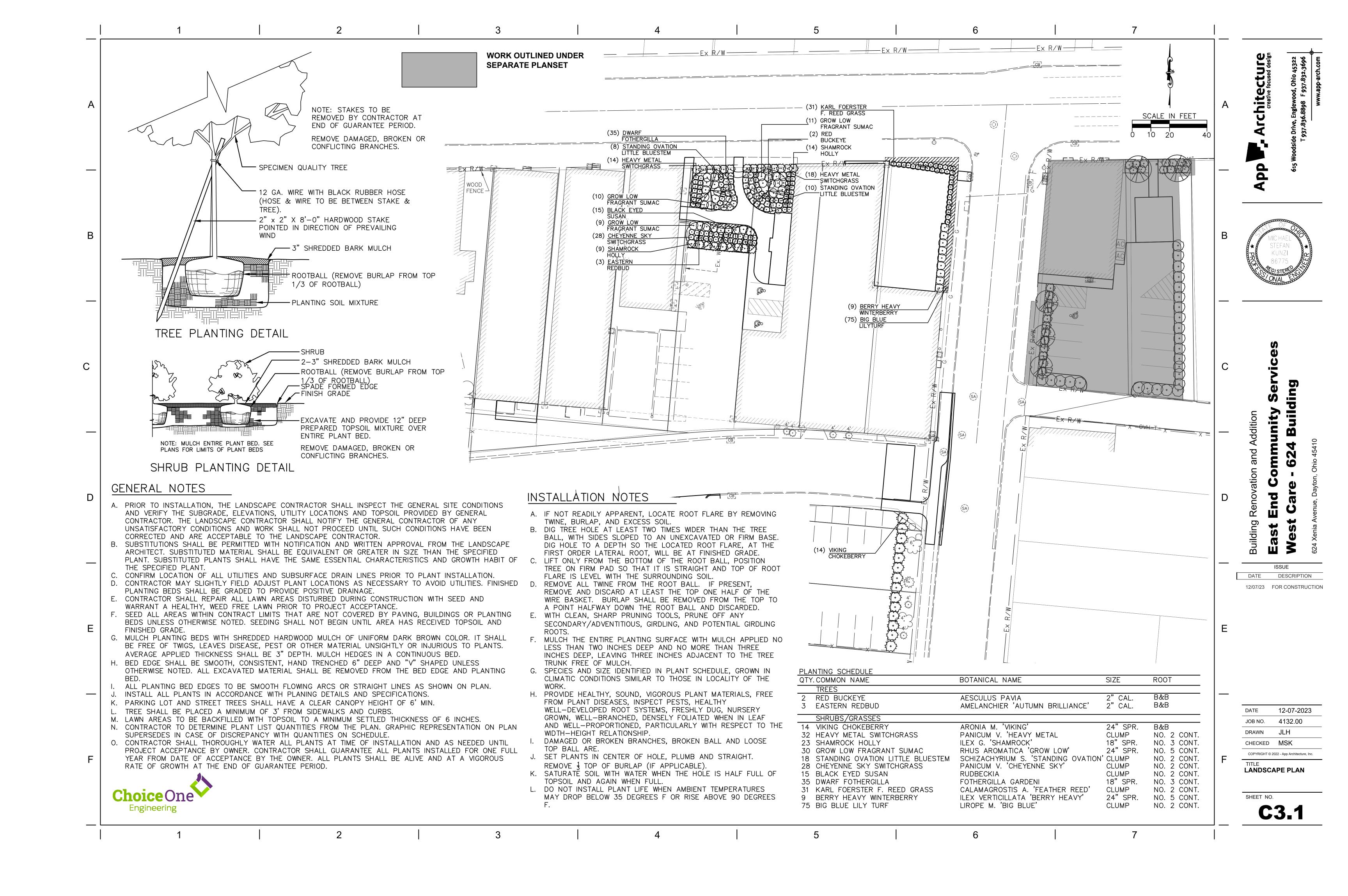












OENEDAL LIQUEINO/DOWED NOTEO	OFNEDAL DDO JEOT NOTEO	ELECTRICA	AL LEGEND
GENERAL LIGHTING/POWER NOTES	GENERAL PROJECT NOTES	LIGHTING	FIRE ALARM
<ol> <li>LIGHT FIXTURES DESIGNATED AS "NIGHT LIGHTS" SHALL BE ON UNSWITCHED CIRCUIT, UNLESS NOTED.</li> </ol>	<ol> <li>WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL, STATE OF OHIO, 2017 NEC AND NATIONAL CODES, RECOMMENDATIONS, REGULATIONS, AND REQUIREMENTS.</li> </ol>	A1 LIGHTING FIXTURE. REFER TO FIXTURE SCHEDULE. LETTER INDICATES TYPE.	F FIRE ALARM PULL STATION, 44" AFF MOUNTING HEIGHT
<ol> <li>EXIT LIGHTS SHALL BE ON UNSWITCHED CIRCUIT, UNLESS NOTED.</li> <li>ALL RECESSED DOWNLIGHTS MOUNTED IN GRID CEILING SHALL BE CENTERED</li> </ol>	2. COORDINATE ELECTRICAL REQUIREMENTS FOR NEW WORK WITH THE PLUMBING AND MECHANICAL CONTRACTORS. VERIFY VOLTAGE, PHASE AND	A1 EMERGENCY LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP.	FIRE ALARM HORN/STROBE. 80" AFF MOUNTING HEIGHT  FIRE ALARM DUCT MOUNTED SMOKE DETECTOR. S = SUPPLY, F RETURN - COORDINATE WITH DUCTWORK. MAKE SAMPLING TU
IN CEILING TILE, UNLESS NOTED.	ACCESSORY REQUIREMENTS, SUCH AS MOTOR STARTERS AND DISCONNECTS.	"NL" INDICATES NIGHT LIGHT CIRCUIT. REFER TO FIXTURE SCHEDULE NL FOR BATTERY REQUIREMENTS.	WIDTH OF DUCT IN LENGTH. PROVIDE SMOKE DETECTOR FOR DETECTOR FOR DETECTOR AS SHOWN ON
4. IN ALL MECHANICAL ROOMS, COORDINATE EXACT LOCATION OF LIGHT FIXTURES WITH HVAC DUCTWORK.	3. CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING AS REQUIRED FOR HIS WORK. OPENING IN WALLS, FLOORS AND CEILINGS SHALL BE FILLED	C1 O LIGHTING FIXTURE. LETTER INDICATES TYPE.  C1 O EMERGENCY LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP.	R POWER DRAWINGS. COORDINATE ALL CONNECTIONS WITH MECHANICAL CONTRACTOR. CONNECT TO ALARM SYSTEM.
<ol> <li>CONDUCTORS FOR BRANCH CIRCUITRY ARE #12 AWG MINIMUM, UNLESS NOTED. DERATE PER CODE WHERE CIRCUITS ARE COMBINED.</li> </ol>	IN, PATCHED, PAINTED AND FINISHED IN A MANNER TO MATCH THE QUALITY OF THE EXISTING, LIKE ADJACENT SURFACES.	CEILING MOUNTED EXIT SIGN. REFER TO FIXTURE SCHEDULE. SHADED X1 XXI AREA DENOTES FACE(S) OF UNIT. CONNECT TO LOCAL UNSWITCHED	<ul><li>FIRE ALARM CEILING MOUNTED SMOKE DETECTOR.</li><li>FAAP FIRE ALARM ANNUNCIATOR PANEL.</li></ul>
6. ALL HOMERUN CONDUCTORS BACK TO PANEL SHALL BE #10 AWG MINIMUM, UNLESS NOTED. PROVIDE A GREEN GROUND CONDUCTOR IN ALL BRANCH	4. NEW OPENINGS IN EXISTING WALLS AND FLOORS SHALL BE CORE DRILLED OR SAW CUT. OPENINGS IN NEW WALLS AND FLOORS SHALL BE PLANNED	LIGHTING CIRCUIT.  WALL MOUNTED EXIT SIGN. REFER TO FIXTURE SCHEDULE. SHADED	FACP FIRE ALARM CONTROL PANEL.  FIRE ALARM STROBE. 80" AFF MOUNTING HEIGHT.
CIRCUITRY. DERATE PER CODE WHERE CIRCUITS ARE COMBINED.  7. ALL CONDUIT DROPS FOR PLENUM RATED CABLES SHALL BE PROVIDED WITH A	AND COORDINATED WITH GENERAL CONTRACTOR FOR THE INSTALLATION OF APPROPRIATE SLEEVES.	X1 3H AREA DENOTES FACE(S) OF UNIT. CONNECT TO LOCAL UNSWITCHED LIGHTING CIRCUIT.	BLUE EXTERIOR STROBE LIGHT FOR FIRE DEPARTMENT CONNE
CONDUIT BUSHING ABOVE CEILING.  8. WHERE TERMINATED IN J-BOX, ALL SPARE CIRCUITRY SHALL BE LABELED WITH	<ul><li>5. ALL CONDUIT SHALL BE 3/4" MINIMUM U.N.O. MC CABLE IS ALLOWED.</li><li>6. CONDUIT SHALL BE CONCEALED IN CEILING OR WALLS WHEREVER</li></ul>	EM EMERGENCY EGRESS LIGHT. REFER TO FIXTURE SCHEDULE.	SPRINKLER SYSTEM FLOW SWITCH FURNISHED AND INSTALLED
PANEL AND CIRCUIT NUMBER.  9. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL NECESSARY	POSSIBLE.  7. ALL BRANCH CIRCUITS AND FEEDERS SHALL CONTAIN A GREEN INSULATED	© CEILING MOUNTED OCCUPANCY SENSOR.	FIRE PROTECTION CONTRACTOR, CONNECTED BY ELECTRICAL CONTRACTOR.
AUXILIARY CONTACTS, RELAY, ETC. IN MOTOR STARTERS FOR REQUIRED CONTROL OF MECHANICAL EQUIPMENT.	GROUND CONDUCTOR. GROUNDING BY MEANS OF RACEWAY IS NOT PERMITTED.	\$ SINGLE POLE WALL SWITCH. 120/277 VOLT, 20 AMP. 44" AFF.	SPRINKLER SYSTEM GATE VALVE. SUPERVISORY SWITCH FURN AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR, CONIBY ELECTRICAL CONTRACTOR.
10. DO NOT SUPPORT CONDUIT OFF OF CEILING GRID, CEILING GRID SUPPORTS, MECHANICAL SUPPORTS, OR ANY OTHER TRADE'S SUPPORTS. INSTALL	8. REFER TO MECHANICAL, PLUMBING, AND ARCHITECTURAL PLANS FOR EXACT LOCATION OF EQUIPMENT.	THREE WAY WALL SWITCH. 120/277V, 20 AMP. 44" AFF  4 FOUR WAY WALL SWITCH. 120/277V, 20 AMP. 44" AFF	FIRE ALARM STROBE, 80" AFF MOUNTING HEIGHT.
CONDUITS AND BOXES ON SEPARATE SUPPORTS FROM BAR JOIST OR STRUCTURE.	9. CONTRACTOR SHALL COORDINATE EXACT HEIGHT OF DEVICES DESIGNED AS OVER COUNTER WITH CASE WORK AND FURNITURE DRAWINGS.	OC CUPANCY SENSOR WALL SWITCH. 120/277V, 20 AMP. 44 AFF	MAGNETIC DOOR HOLD OPEN.
11. COORDINATE OUTLET LOCATIONS FOR ALL KITCHEN AND BAR EQUIPMENT PRIOR TO ROUGH-IN.	10. VERIFY CEILING TYPES PER THE ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE APPROPRIATE TYPE FIXTURE, LAY-IN FOR GRID, FLANGE FOR	DOC OCCUPANCY SENSOR WALL SWITCH WITH 0-10V DIMMING. 120/277V, 20 AMP. 44" AFF	RPS FIRE ALARM REMOTE POWER SUPPLY.
12. NEW FIRE ALARM DEVICES SHOWN FOR REFERENCE ONLY. FINAL DESIGN AND PERMIT DRAWINGS TO BE PROVIDED BY FIRE ALARM MANUFACTURERS	DRYWALL, ETC.	P\$ SINGLE POLE WALL SWITCH WITH PILOT LIGHT. 120/277V, 20 AMP. 44" AFF	Z FIRE ALARM MONITOR MODULE.
THROUGH A DELEGATED DESIGN APPROACH. ANNUNCIATING STROBES SHALL BE SYNCHRONIZED. PROVIDE ADEQUATE POWER FOR NEW PANELS TO SUPPORT ALL NEW DEVICES PROVIDING ADDITIONAL 20% CAPACITY ON NAC	11. VERIFY AND COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF ALL DEVICES MOUNTED IN CASEWORK OR ABOVE COUNTERS WITH SPECIFIC EQUIPMENT FURNISHED.	EXTERIOR LIGHT FIXTURE. ER, EXISTING TO REMAIN, PL1 - NEW FIXTURE. REFER TO FIXTURE SCHEDULE.	R FIRE ALARM CONTROL RELAY MODULE.  E.O.L.R. ← END OF THE LINE RESISTOR.
CIRCUIT.	12. NO MORE THAN 3 PHASE CONDUCTORS SHALL BE INSTALLED IN ANY ONE CIRCUIT, UNLESS NOTED OTHERWISE. EACH BRANCH CIRCUIT SHALL	POWER	E.O.L.R. END OF THE LINE RESISTOR.  KB FIRE ALARM CONTROL RELAY MODULE.
ABBREVIATIONS	CONTAIN THEIR OWN NEUTRAL CONDUCTOR. NO SHARED NEUTRALS.  13. CONTRACTOR SHALL PROVIDE ALL FIRESTOPPING FOR CONDUIT OR CABLE	DUPLEX RECEPTACLE. 120 VOLT, 20 AMP. 18" AFF UNO.	DATA & COMMUNICATION
A AMPS AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE	TRAY PENETRATIONS THAT PENETRATE ACOUSTICAL RATED OR SMOKE AND FIRE RATED ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS	DUPLEX RECEPTACLE WITH USB PLUG. 120 VOLT, 20 AMP. 18" AFF UNO.  DUPLEX RECEPTACLE MOUNTED AT 46" OR ABOVE BACKSPLASH. 120	2 DATA (COMMUNICATION OUTLET TWO PORTS REFER TO DETAIL
BKR BREAKER C CONDUIT	OF ALL RATED ASSEMBLIES. ALL RATED PENETRATIONS SHALL BE FIRESTOPPED TO ORIGINAL ASSEMBLY RATING. ALL NON-RATED FLOOR PENETRATIONS SHALL BE SEALED WATER TIGHT WITH A FLEXIBLE SEALANT.	VOLT, 20 AMP.  DOUBLE DUPLEX RECEPTACLE. 120 VOLT, 20 AMP. 18" AFF UNO.	MOUNTING REQUIREMENTS.
CATV CABLE TELEVISION CUH CABINET UNIT HEATER CKT CIRCUIT	14. BRANCH CIRCUIT WIRING CHART TO BE UTILIZED AS GUIDELINE FOR VOLTAGE DROP COMPENSATION, INCREASE CONDUIT SIZING PER WIRE SIZE.		<ul><li>✓ WALL PHONE. 54" AFF.</li><li>✓ DATA OUTLET. 18" AFF.</li></ul>
Cu COPPER E EXISTING EF EXHAUST FAN	(APPLIES TO ALL SHEETS)  A. 20A-120 VOLT CIRCUITS	120 VOLT DOUBLE DUPLEX, 20 AMP RECEPTACLE MOUNTED AT 46" AFF OR 4" ABOVE BACKSPLASH.	4  DATA/COMMUNTICATION. FOUR PORT DATA, 18" AFF.
ELEC ELECTRICAL EM EMERGENCY EMT EMERGENCY METALLIC TUBING	a. #12 WIRE - 75' LENGTH MAX. b. #10 WIRE - 125' LENGTH MAX #10 GRD.	DUPLEX RECEPTACLE WITH GROUND FAULT PROTECTION. 120 VOLT, 20  GF/WP AMP. 18" AFF UNO, WP-WEATHERPROOF BOX	6  DATA/COMMUNTICATION. FOUR PORT DATA, 18" AFF.
FCU FAN COIL UNIT G GROUND	c. #8 WIRE - 200' LENGTH MAX #8 GRD. d. #6 WIRE - 300' LENGTH MAX #6 GRD.	FLUSH FLOOR DUPLEX RECEPTACLE IN FLOOR BOX	WAP WIDELESS ACCESS CONNECTION POINT WITH CELLING MOUNT
GFI GROUND FAULT INTERRUPTER GRC GALVANIZED RIGID CONDUIT HP HORSEPOWER	15. PROVIDE ALL PULL BOXES, IN ACCESSIBLE AREA, THAT EXCEED NEC NUMBER OF BENDS OR LENGTH IN FEEDER AND BRANCH CIRCUITS. INSTALL BOXES WHERE REQUIRED PER CODE.	Ψ 120 VOLT SINGLE 20 AMP RECEPTACLE.  Φ DUDLEY RECEPTACLE CEILING MOUNTED	CISCO WIRELESS DEVICE.
J JUNCTION BOX KVA KILOVOLT AMPERE KW KILOWATTS	16. ALL WIRING DEVICES SHALL BE OF HEAVY DUTY COMMERCIAL GRADE CONSTRUCTION. REFER TO ARCHITECTURAL SHEETS AND CODE SHEET FOR	₩C DUPLEX RECEPTACLE. CEILING MOUNTED  SPECIAL PURPOSE RECEPTACE. REFER TO FLOOR PLANS  SPECIAL PURPOSE RECEPTACE. REFER TO FLOOR	DOOR ACCESS
LGTG LIGHTING MECH MECHANICAL NIC NOT IN CONTRACT	ALL FIRE-RATED PARTITION LOCATIONS AND RATINGS. COORDINATE COLORS WITH ARCHITECT.	FOR NEMA CONFIGURATION.	E ELECTRIC DOOR STRIKE.
NL NIGHT LIGHT NTS NOT TO SCALE	17. CONTRACTOR IS RESPONSIBLE FOR ALL CORE-DRILLS REQUIRED FOR INSTALLATION OF ELECTRICAL WORK.	FRACTIONAL HP MOTOR STARTER WITH THERMAL OVERLOADS.  ELECTRICAL MOTOR.	DC DOOR SWITCH/CONTACT.  KEY OR KEYCARD ACTIVATED SWITCH IN TAMPER PROOF ENCL
PVC POLYVINYL CHLORIDE P PHASE (POLE) TTB TELEPHONE TERMINAL BOX	18. ROUTING OF CIRCUITRY INSTALLED IN CASEWORK, CABINETRIES, ETC. SHALL BE COORDINATED FOR PROPER CONCEALMENT AND FUNCTION OF		WP - WEATHERPROOF.
TYP TYPICAL UON UNLESS OTHERWISE NOTED UV UNIT VENTILATOR	CASEWORK, CABINETRIES, ETC.  19. VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION, TRENCHING,	HOMERUN TO PANELBOARD. NOTION INDICATES PANEL AND CIRCUIT NUMBER. (ALL CONDUCTORS SHALL BE #10 UNLESS NOTED OTHERWISE.)	HC HANDICAP DOOR ACCESS BUTTON IN FLUSH WALL BOX.
V VOLTS VAV VARIABLE AIR VOLUME VIF VERIFY IN FIELD	OR DRILLING.	ELECTRICAL PANELBOARD.  JUNCTION BOX.	
W WATTS WC WATER COOLER	20. ALL ROOF PENETRATIONS OR PATCHES SHALL BE MADE PER ROOFING MANUFACTURER WARRANTY REQUIREMENTS.	CONDUIT STUB-OUT AND CAP BELOW GRADE. MARK STUB-OUT AT	
WP WEATHERPROOF UH UNIT HEATER UNO UNLESS NOTED OTHERWISE	21. ALL EXPOSED METAL CONDUITS ARE TO BE PAINTED TO MATCH THE ADJACENT SURFACE. COORDINATION OF PAINTING OF CONDUIT IS TO BE BY THE ELECTRICAL CONTRACTOR, WITH PAINTING BY OTHERS.	GRADE LEVEL.  —UE— UNDERGROUND HIGH VOLTAGE OR SECONDARY SERVICE FEED.	
	22. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED JUNCTION BOXES, PULL BOXES, ETC FOR A COMPLETE	SAFETY DISCONNECT SWITCH (NON-FUSED). 4X INDICATES ENCLOSURE TYPE.	
	INSTALLATION PER THE N.E.C. AND LOCAL CODES. ALL CONDUCTORS SHALL BE RATED FOR 90 DEGREE CELSIUS.	SAFETY DISCONNECT SWITCH (FUSED).	
	23. COORDINATE WORK WITH OTHER TRADES. COORDINATION OR SCHEDULING SHALL BE RESPONSIBILITY OF THE INVOLVED CONTRACTORS.	COMBINATON MOTOR STARTER/DISCONNECT. WITH HOA SWITCH AT UNIT (FUSIBLE). OR (CIRCUIT BREAKER FOR ELEVATOR).	
	24. ALL LOW VOLTAGE CABLING INSTALLED IN SPACES WITHOUT A LAY-IN OR WITH A HARD CEILING SHALL BE INSTALLED IN CONDUIT AND BOXES.	T1 TRANSFORMER (NUMBER INDICATES WHICH TRANSFORMER).	
		HD HAND DRYER, VERIFY MOUNTING WITH SUPPLIER	
		GENERAL	ELECTRICAL INDEX OF DRAWING
		DETAIL # DETAIL REFERENCE TAG, DRAWING # REFER TO DETAIL SHEETS	SHEET NUMBER SHEET NAME
		KEYNOTE FOR DRAWING	E0.1 ELECTRICAL LEGEND AND GENERAL NOTES E0.2 ELECTRICAL EQUIPMENT AND LIGHTING SCHEDULE
			E1.1 ELECTRICAL POWER PLAN E1.2 ELECTRICAL POWER PLAN E1.3 ELECTRICAL HYAC POWER PLAN
		DETAIL REFERENCE TAG (SECTION)	E1.3 ELECTRICAL HVAC POWER PLAN E1.4 ELECTRICAL HVAC POWER PLAN E2.1 ELECTRICAL LIGHTING PLAN
			E2.1 ELECTRICAL LIGHTING PLAN E2.2 ELECTRICAL LIGHTING PLAN E3.1 ELECTRICAL SYSTEMS PLAN
		EF-1 MECHANICAL EQUIPMENT TAG. REFER TO EQUIPMENT DATA SCHEDULE.	E3.2 ELECTRICAL SYSTEMS PLAN E4.1 PANELBOARD SCHEDULES AND SINGLE LINE DIAGRAM
		INDICATES NEW WORK.	E4.2 PANELBOARD SCHEDULES E5.0 ELECTRICAL DETAILS
		INDICATES TO BE REMOVED.	E5.1 ELECTRICAL DETAILS  ED1.1 ELECTRICAL POWER PLAN - DEMOLITION  ED1.2 ELECTRICAL POWER PLAN - DEMOLITION
			ED2.1 ELECTRICAL LIGHTING PLAN - DEMOLITION ED2.2 ELECTRICAL LIGHTING PLAN - DEMOLITION

NO. DATE DESCRIPTION 12/07/2023 FOR CONSTRUCTION

12/07/2023 DATE JOB NO. 2023115 DRAWN ATD

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TITLE
ELECTRICAL LEGEND
AND GENERAL NOTES

SHEET NO.

**E0.1** 

		ı	_OAD	CHAR	ACTER	ISTICS				STA	ARTE	ΞR				DISCON	INECT	C	TRL DEVICE	=						
PLAN SYMBOL	DESCRIPTION/LOCATION	KW	<u> </u>	VOLTAGE	PHASE	FLA SPEED DRIVE	TYPE	NEMA SIZE	FURNISH	BY INSTALL BY	BY	AUXIL. RELAY	LOCATION	TYPE	FURNISH BY	SW FUS	ITCH/ E SIZE LOCATION	J	FURNISH BY INSTALL		ANEL	C	IRCUIT	FEEDER SIZE/ RACEWAY	NOTES	PLA SYME
AC-1	ELEVATOR SPLIT SYSTEM - INDOOR UNIT FOR HP-3	<del>-</del>	+-	208	1		-	-	-	-		-	-	NFS			/NA NEAR UNI	Т		_	LP2		40,42	(2) #12, #12G IN 3/4"C.	-	AC-
BC-1	HVAC BRANCH CONTROLLER - FIRST FLOOR			208	1	1.0 -	-	-	-	-		-	-	NFS	EC	EC 15	/NA NEAR UNI	Т		L	LP2		26	(2) #12, #12G IN 3/4"C.	-	BC-
BC-2	HVAC BRANCH CONTROLLER - SECOND FLOOR			208	1	1.0 -	-	-	-	-		-	-	NFS			/NA NEAR UNI			_	LP2		28	(2) #12, #12G IN 3/4"C.	-	BC-
EF-1	EXHAUST FAN - MENS 126 / WOMENS 125		1/6			4.4 -	-	-	-	-		-	-	NFS			/NA NEAR UNI				K1		25	(2) #12, #12G IN 3/4"C.	-	EF-
EF-2	EXHAUST FAN - RR 212 / RR 213 / JANITOR 214	-	1/6			4.4 -	-	-	-	-		-	-	NFS NFS			/NA NEAR UNI				LP2		25	(2) #12, #12G IN 3/4"C.	-	EF-
EH-1 EH-2	ELECTRIC HEATER - VESTIBULE 100  ELECTRIC HEATER - SW STAIRS 140	3.0	_	208	+	14.4 - 14.4 -	- -	-	<u> </u>			-	<u> </u>	NFS			/NA INTEGRAL				В		25,27 26,28	(2) #12, #12G IN 3/4"C. (2) #12, #12G IN 3/4"C.	-	EH-
EH-3	ELECTRIC HEATER - STAIR EX. 151	3.0		208		14.4 -		_	+ -			_	<u>-</u>	NFS			/NA INTEGRAL				В		29,31	(2) #12, #12G IN 3/4"C.	<u>-</u>	EH-
	ENCLOSED VERTICAL WHEELCHAIR LIFT	-		208	+ +	8.6 -	-	-	-	-		-	-	NFS			/NA INTEGRAL				 LP2		20,22	(2) #12, #12N, #12G IN 1"C.	-	ELE
HP-1-1	VRF - OUTDOOR UNIT - CONNECTION 1	<del>-</del>	-	208	3	32.8 -	-	-	-	-		-	-	NFS	EC	EC 60	/NA NEAR UNI	Т		l l	LP3		1,3,5	(3) #6, #6G IN 1-1/4"C.	-	HP-1
HP-1-2	VRF - OUTDOOR UNIT - CONNECTION 2	-	-	208	3	24.8 -	-	-	-	-		-	-	NFS	EC	EC 60	/NA NEAR UNI	Т		ı	LP3		7,9,11	(3) #8, #10G IN 1-1/4"C.	-	HP-1
HP-2-1	VRF - OUTDOOR UNIT - CONNECTION 1		-	208	3	32.8 -	-	-	-	-		-	-	NFS	EC	EC 60	/NA NEAR UNI	Т		L	LP3		2,4,6	(3) #6, #6G IN 1-1/4"C.	-	HP-2
HP-2-2	VRF - OUTDOOR UNIT - CONNECTION 2			208	3	32.8 -	-	-	-	-		-	-	NFS	EC	EC 60	/NA NEAR UNI	т			LP3		8,10,12	(3) #6, #6G IN 1-1/4"C.	-	HP-2
HP-3	ELEVATOR SPLIT SYSTEM - OUTDOOR UNIT		-	208	1	8 -	-	-	-	-		-	-	NFS			/NA NEAR UNI	Т		l	LP2		40,42	(2) #12, #12G IN 3/4"C.	-	HP-0
	HOT WATER RECIRCULATION PUMP	<del>-</del>	-	120	+		-	-	-	-		-	-	NFS			/NA NEAR UNI				-		-	-	-	HWRF
	KITCHEN EXHAUST FAN		1	208	3		-	-	-	-		-	-	NFS			/NA NEAR UNI				LP2		27,29,31	(3) #12, #12G IN 3/4"C.	-	KF-1
MAU-1	MAKEUP AIR UNIT	<del>-</del>	1	208	3		-	-	-	-		-	-	NFS			/NA NEAR UNI				LP2		30,32,34	(3) #12, #12G IN 3/4"C.	-	MAU-
VRF-1.01 VRF-1.02	VRF - INDOOR UNIT  VRF - INDOOR UNIT	<del>-</del>		208		2.4 -	-	-	-	-		-	<del>-</del>	NFS NFS			/NA NEAR UNI /NA NEAR UNI				LP1 LP1		2,4	(2) #12, #12G IN 3/4"C. (2) #12, #12G IN 3/4"C.	-	1-01
	VRF - INDOOR UNIT	<del>-</del>	<del>-</del>	208		2.4 -			<u> </u>			_	<u> </u>	NFS			/NA NEAR UNI				LP1		5,7	(2) #12, #12G IN 3/4 °C.	<u>-</u>	1-02
VRF-1.04	VRF - INDOOR UNIT			208	+	2.4 -		-	_			-	-	NFS			/NA NEAR UNI				LP1		6,8	(2) #12, #12G IN 3/4"C.	-	1-04
	VRF - INDOOR UNIT	-	-	208	-	2.24 -	-	-	-	-		-	-	NFS			/NA NEAR UNI			_	 LP1		9,11	(2) #12, #12G IN 3/4"C.	-	1-05
VRF-1.06	VRF - INDOOR UNIT	-	-	208	1	2.24 -	-	-	-	-		-	-	NFS	EC	EC 15	/NA NEAR UNI	т		l	LP1		10,12	(2) #12, #12G IN 3/4"C.	-	1-06
VRF-1.07	VRF - INDOOR UNIT		-	208	1	2.24 -	-	-	-	-		-	-	NFS	EC	EC 15	/NA NEAR UNI	т		l l	LP2		33,35	(2) #12, #12G IN 3/4"C.	-	1-07
VRF-1.08	VRF - INDOOR UNIT		-	208	1	2.24 -	-	-	-	-		-	-	NFS	EC	EC 15	/NA NEAR UNI	Т		L	LP2		36,38	(2) #12, #12G IN 3/4"C.	-	1-08
VRF-2.01	VRF - INDOOR UNIT		-	208	1	2.24 -	-	-	-	-		-	-	NFS			/NA NEAR UNI	Т		l	LP1		13,15	(2) #12, #12G IN 3/4"C.	-	2-01
VRF-2.02	VRF - INDOOR UNIT		-	208		2.24 -	-	-	-	-		-	-	NFS			/NA NEAR UNI			_	LP1		14,16	(2) #12, #12G IN 3/4"C.	-	2-02
	VRF - INDOOR UNIT	<del>-</del>		208		2.24 -	-	-	-	-		-	-	NFS			/NA NEAR UNI			_	LP1		17,19	(2) #12, #12G IN 3/4"C.	-	2-03
VRF-2.04 VRF-2.05	VRF - INDOOR UNIT  VRF - INDOOR UNIT	<del>-</del>		208		2.4 - 4.48 -	-	-	-	-		-	-	NFS NFS			/NA NEAR UNI /NA NEAR UNI			_	LP1 LP1		18,20 21,23	(2) #12, #12G IN 3/4"C. (2) #12, #12G IN 3/4"C.	<del>-</del>	2-0 <sup>2</sup> 2-0 <sup>5</sup>
VRF-2.05 VRF-2.06	VRF - INDOOR UNIT	<del>-</del>		208		2.24 -		-	<u> </u>			-	<del>-</del>	NFS			/NA NEAR UNI			_	LP1 LP1		22,24	(2) #12, #12G IN 3/4 °C.	-	2-0
	VRF - INDOOR UNIT	+-	-	208		2.24 -		-				-	-	NFS			/NA NEAR UNI				LP2		37,39	(2) #12, #12G IN 3/4"C.	-	2-0
WH-1	GAS WATER HEATER	+-	_	120		4 -	-	-	-	-		-	-				/NA NEAR UNI				K1		2	(2) #12, #12G IN 3/4"C.	-	WH-
WH-2	ELECTRIC WATER HEATER	3.5	5 -	120	1	29.2 -	-	-	-	-		-	-	NFS	EC	EC 60	/NA NEAR UNI	Т		l	LP1		19	(2) #8, #10G IN 1"C.	-	WH-
WH-3	ELECTRIC WATER HEATER	3.5	j -	120	1	29.2 -	-	-	-	-		-	-	NFS	EC	EC 60	/NA NEAR UNI	Т		L	LP1		21	(2) #8, #10G IN 1"C.	-	WH-
ABBREVIATION	NS:																									
	OL CONTRACTOR FS - FUSED SWITCH	OP.				NTRACTOR NTRACTOR				· VEN			ITRACTOR													
EC - ELECTF	RICAL CONTRACTOR FSEC - FOOD SERVICE EQUIP. CONTRACTOR  MENT SUPPLIER FVNR - FULL VOLTAGE NON-REVERSING	CTOR	PC	C - PLUI	MBING CO	ONTRACTOR ONTRACTO	R		NF:	S - NON	N FUSE	ED SWIT	CH TED SWITCH													
	FVNN - FULL VOLTAGE NON-NEVERSING	<u></u>		- 3FN	IINNLEH C	ONTRACTO	JN		344	7 - HON	ISEFUV	WEN NA	TED SWITCH													
NOTES: 1 - XXX																										
. ////																										
		TUR	E S(	CHE	DULE	<u> </u>																				
	LIGHTING FIX																		CLASSIFICAT	LIONI			COLOR	MOUNTING	SIZE (IN.)	Τ
	LIGHTING FIX																	١	LASSII ICA		ı	I WIIVI (	OLOIT	Modivinia	OIZE (IIV.)	
				. ,		<b>.</b>				_	<b>_</b>	<b>.</b>	-p-1-:-						EM - EMERGEN					S - SURFACE _	OIZE (IIV.)	-
						RER ANI	D						EPTABLE TURER				USER DIA		EM - EMERGEN N - NORMAL HAZ - HAZARDO	СҮ	- 1	HIVI		S - SURFACE R - RECESSED SM - STEM MTD.		_
	SYMBOL SLTAGE DLT WATTS LUMENS					RER ANI JMBER	D						EPTABLE TURER				USER DIA	_	EM - EMERGEN N - NORMAL HAZ - HAZARDO HB - HIGH BAY	СҮ	'	I MIWI	IICKEL	S - SURFACE R - RECESSED SM - STEM MTD. WM - WALL MTD.		
	YMBOL AGE T WATTS  E (K)  E (K)						D												EM - EMERGEN N - NORMAL HAZ - HAZARDO	CY		I KIIVI (	NICKEL	S - SURFACE R - RECESSED SM - STEM MTD. WM - WALL MTD. C - CHAIN MTD. OUC - UNDER CAB.	ENGTH HEPTH	NOT

		LI	GHT	ING	FIXTURE SCHEDULE													
								CLASSIFICATION		TF	RIM C	OLOR		MOUNTING	S	SIZE (II	٧.)	
FIXTURE SYMBOL	FIXTURE VOLTAGE	FIXTURE INPUT WATTS	TEMPERATURE (K)	DELIVERED LUMENS	MANUFACTURER AND MODEL NUMBER	OTHER ACCEPTABLE MANUFACTURER	DIFFUSER MEDIA	EM - EMERGENCY N - NORMAL HAZ - HAZARDOUS HB - HIGH BAY LB - LOW BAY HM - HIGH MAST	WHITE	NICKEL	СНВОМЕ	BRUSHED NICKEL	SEE NOTE	S - SURFACE R - RECESSED SM - STEM MTD. WM - WALL MTD. C - CHAIN MTD. UC - UNDER CAB. CS - CEIL. SURF.	DIAMETER OR WIDTH	LENGTH	DEРТН	NOTES
A1	120	80	3500	10373	LSI #CLR8-11L-46-UNV-CS1-WHT	AS PRE-APPROVED	FROSTED ACRYLIC	N	Х					С	8	96	1	1
B1	120	28	3500	3595	COLUMBIA #CBT24-LSCS	AS PRE-APPROVED	FROSTED ACRYLIC	N	Х					R	24	48	1.72	1
B2	120	28	3500	3595	COLUMBIA #CBT24-LSCS w/ #SRPSMK24	AS PRE-APPROVED	FROSTED ACRYLIC	N	Х					CS	24	48	1.72	1
B4	120	24	3500	3044	COLUMBIA #CBT22-LSCS	AS PRE-APPROVED	FROSTED ACRYLIC	N	Х					R	24	24	1.71	1
D1	120	38	4000	5191	COLUMBIA #CSL4-LSCS	AS PRE-APPROVED	FROSTED ACRYLIC	N	Х					CS	2.25	48	2.69	1
F1	120	8	3500	851	GREEN CREATIVE #SELECTFIT-6-80-CCTS-DIM010UNV	AS PRE-APPROVED	OPEN	N	Х					R	6	DIA	5	1
F3	120	-	3500	620	GREEN CREATIVE #GIMB-2-9-35-FL-DIM120	AS PRE-APPROVED	OPEN	N	Х					R	2.5	DIA	1.75	-
J1	120	ı	3500	-	GREEN CREATIVE #PXCYL/6/PM/LEM/90/35/KDIM010UNV/WD/WH/CC	AS PRE-APPROVED	OPEN	N	Х					SM	6	DIA	9.75	1
K1	120	48	4000	6211	COLUMBIA #CBT24-LSCS w/ #SRPSMK24	AS PRE-APPROVED	FROSTED ACRYLIC	N	Х					CS	24	48	1.72	1
K2	120	28	4000	3733	COLUMBIA #CBT24-LSCS w/ #SRPSMK24	AS PRE-APPROVED	FROSTED ACRYLIC	N	Х					CS	24	48	1.72	1
NP1	120	31	4000	4261	ILP #WPCM-4L-U-40-T4-SP1	AS PRE-APPROVED	CLEAR POLYCARBONATE	N				Х		WM	18.25	9.125	13.75	-
X1	-	-	-	-	COMPASS #CCR	AS PRE-APPROVED	EMERGENCY EGRESS	EM	Х					UNIVERSAL	19.25	8.125	1.75	-
ER	-	-	-	-	COMPASS #CORS	AS PRE-APPROVED	EMERGENCY EGRESS	EM	Х					WM-8'-0''	4.5	DIA	6.7	-
EM	-	-	-	-	COMPASS #CU2	AS PRE-APPROVED	EMERGENCY EGRESS	EM	Х					WM-8'-0''	4	9	2.75	-

NOTES:

1. FIXTURE HAS FIELD-SELECTABLE LUMENS AND COLOR TEMPERATURE. CONTRACTOR TO SET AS INDICATED IN FIXTURE SCHEDULE.

**E0.2** 

SHEET NO.

NO. DATE DESCRIPTION

DATE 12/07/2023

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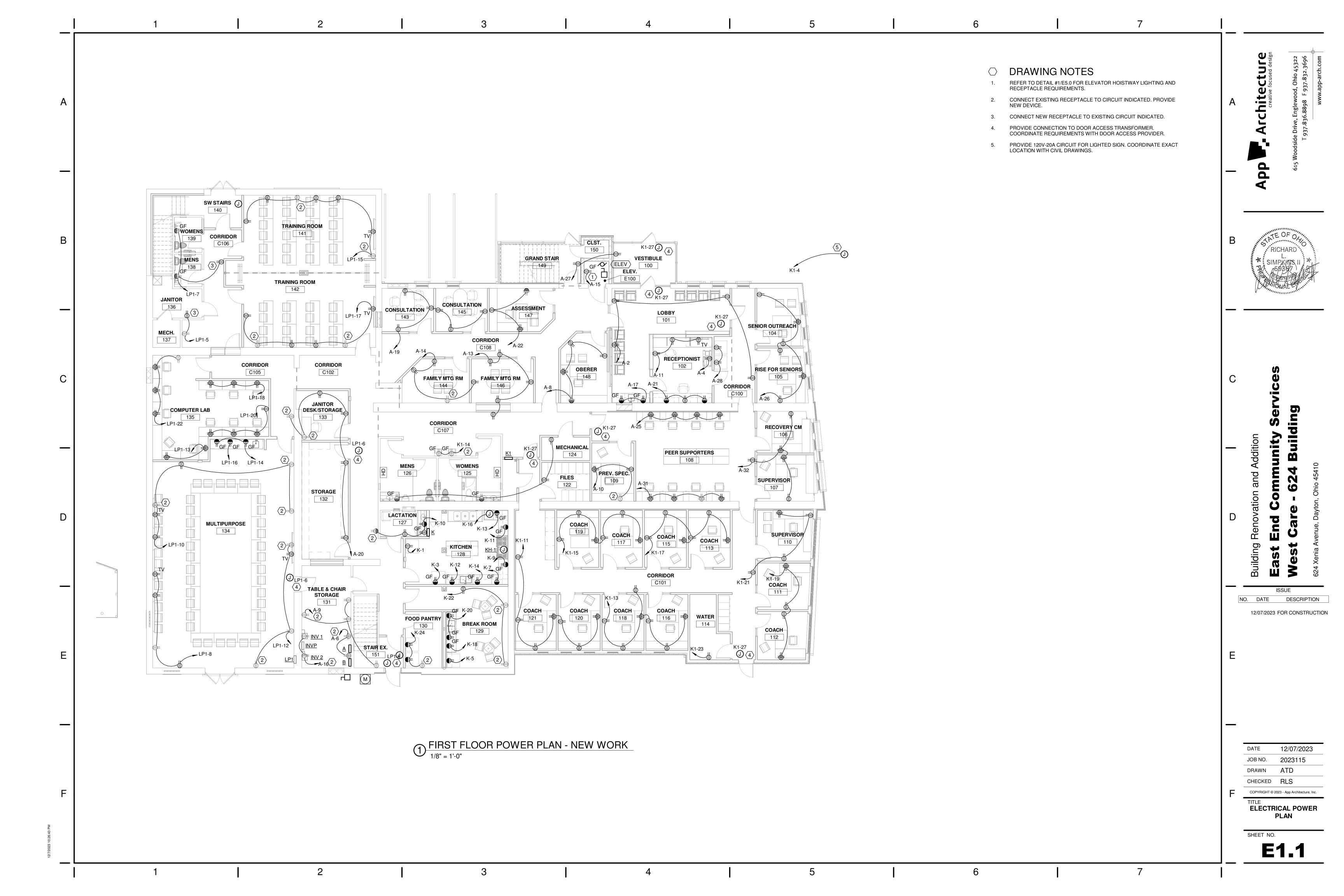
ELECTRICAL EQUIPMENT
AND LIGHTING
SCHEDULE

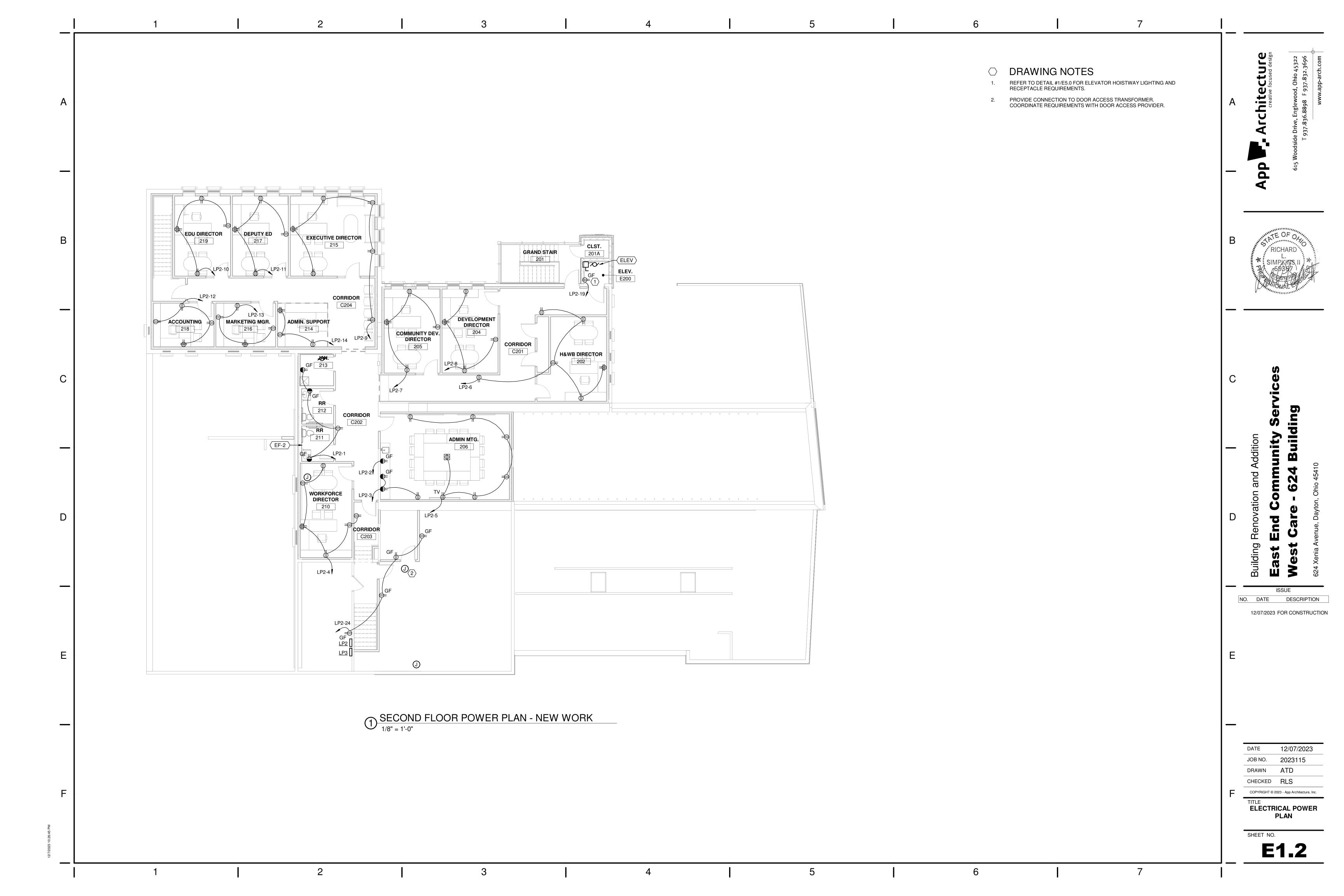
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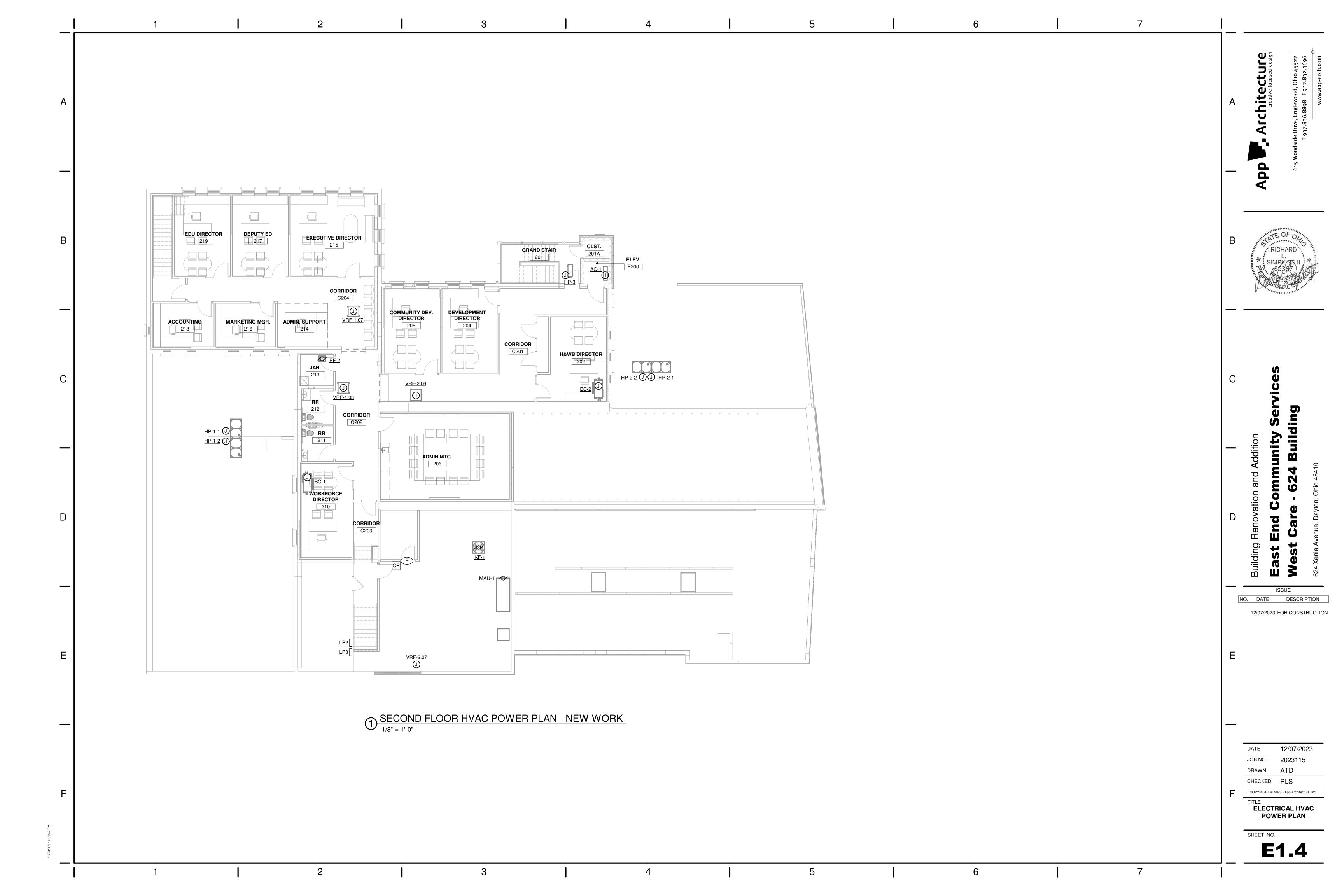
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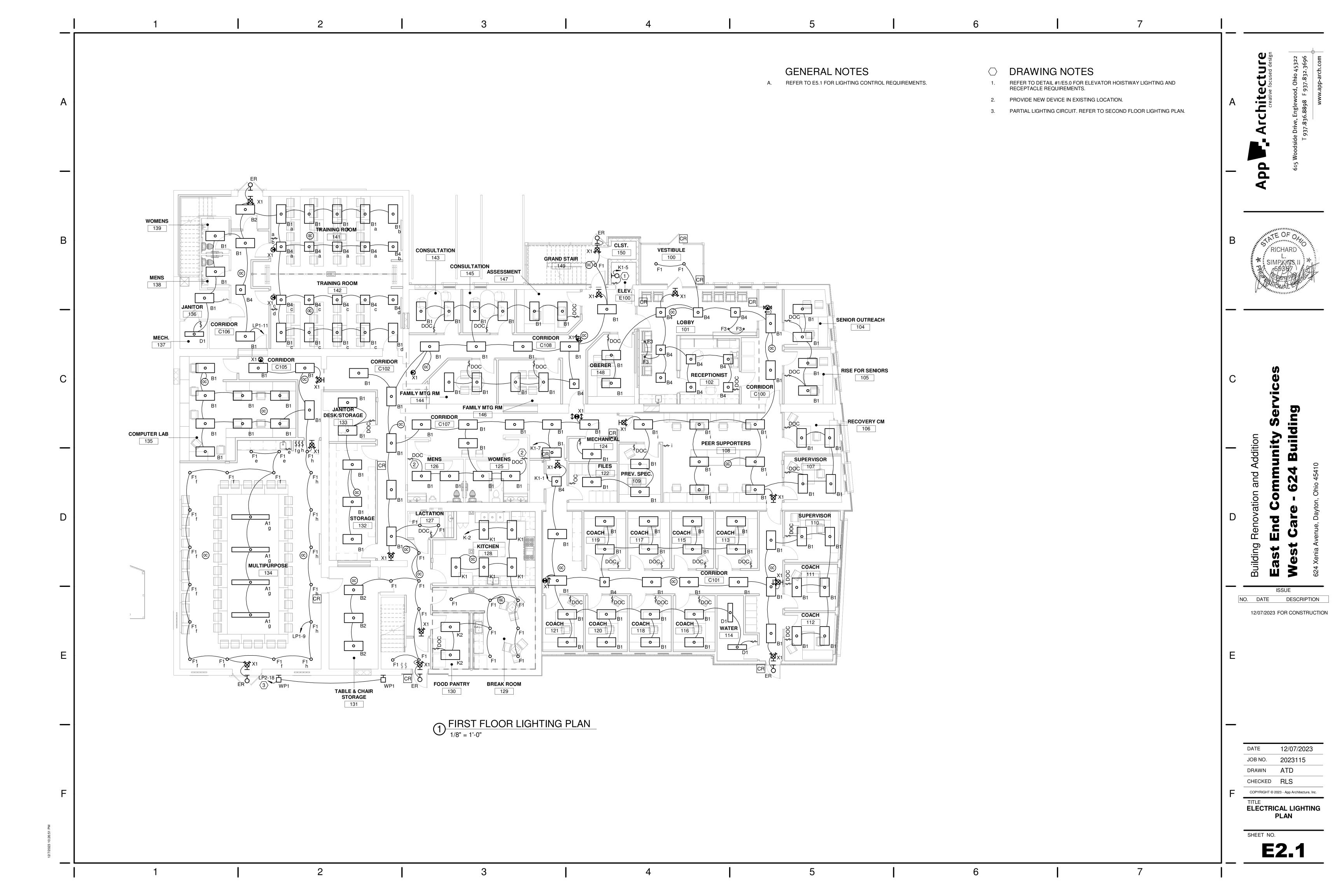
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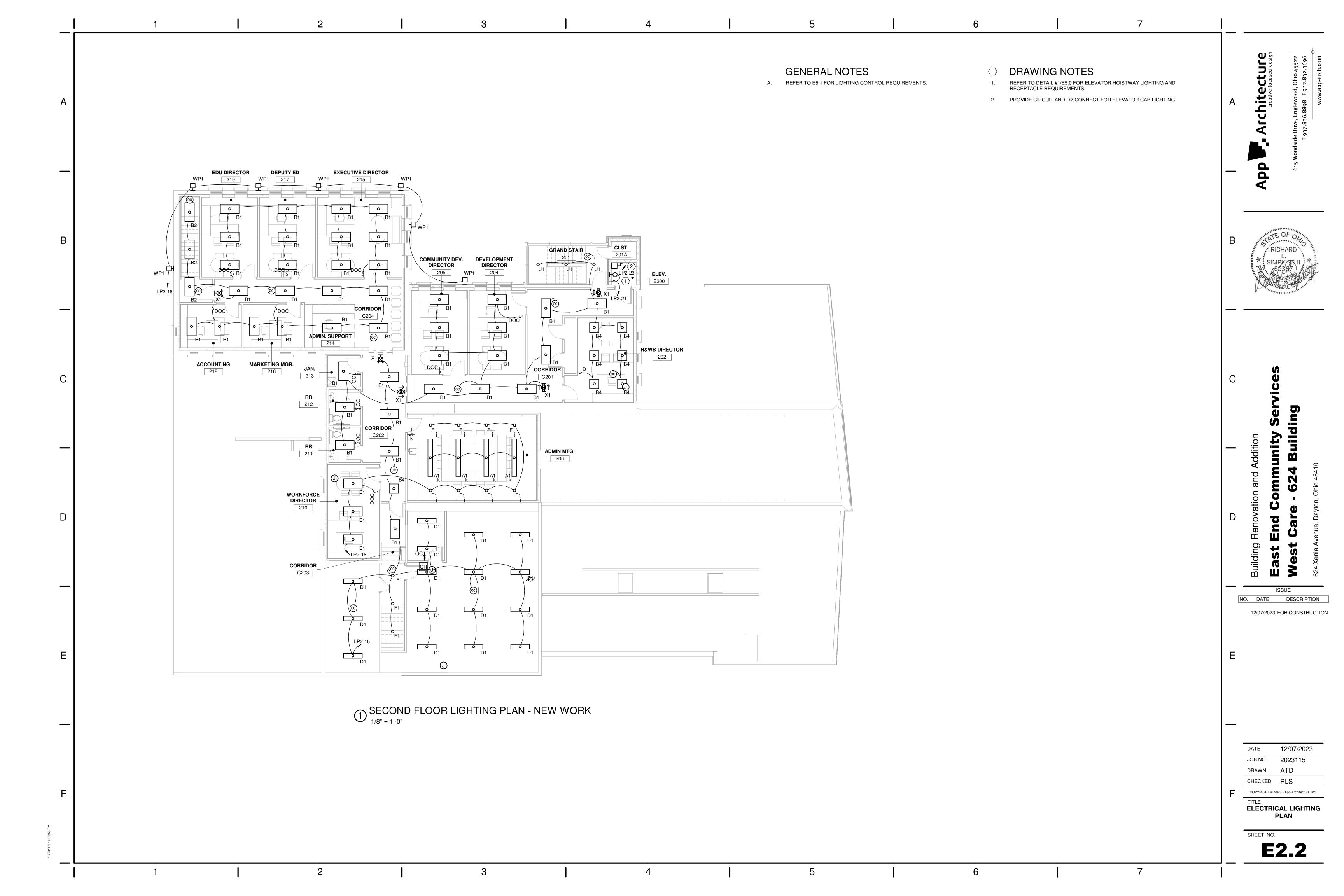




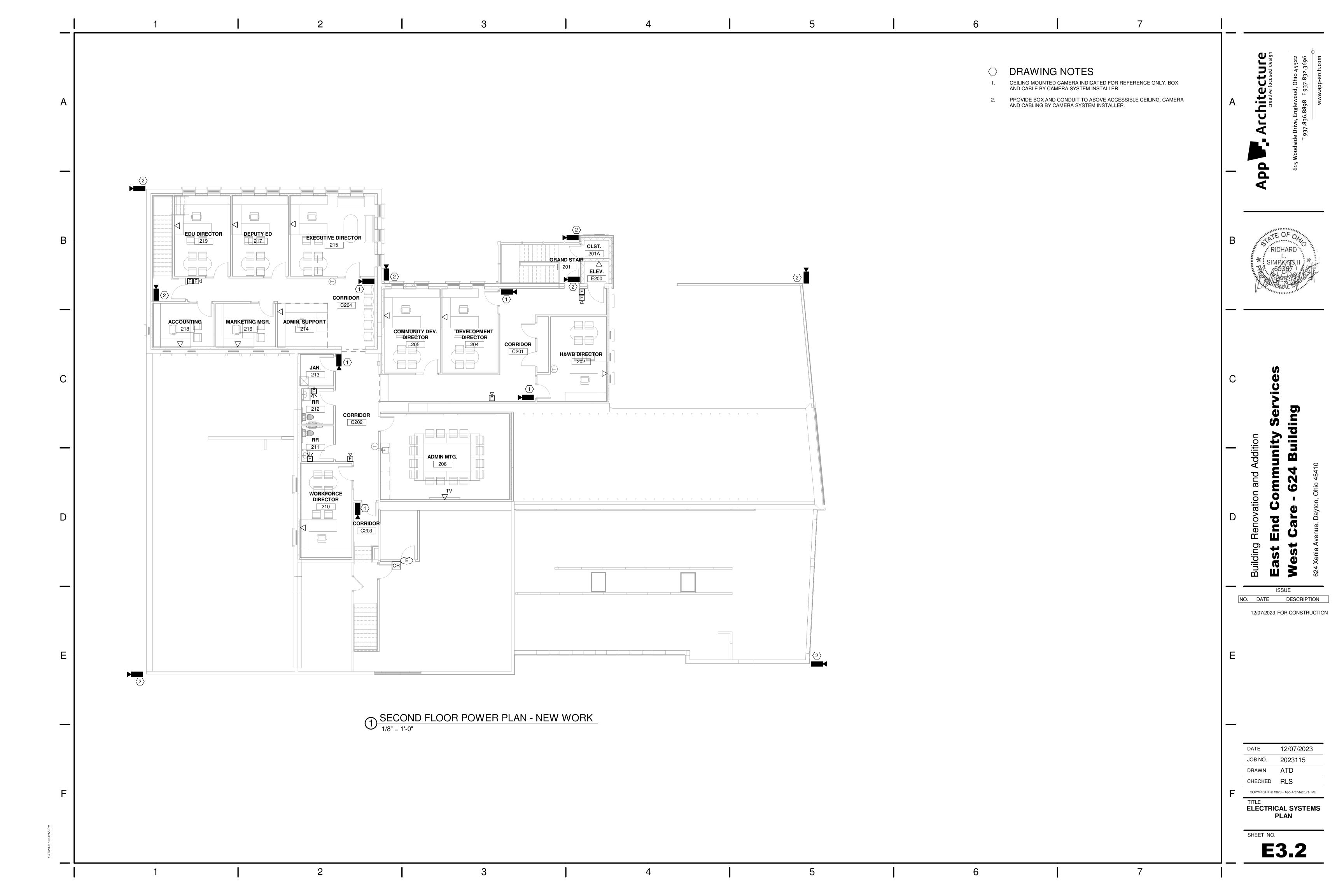


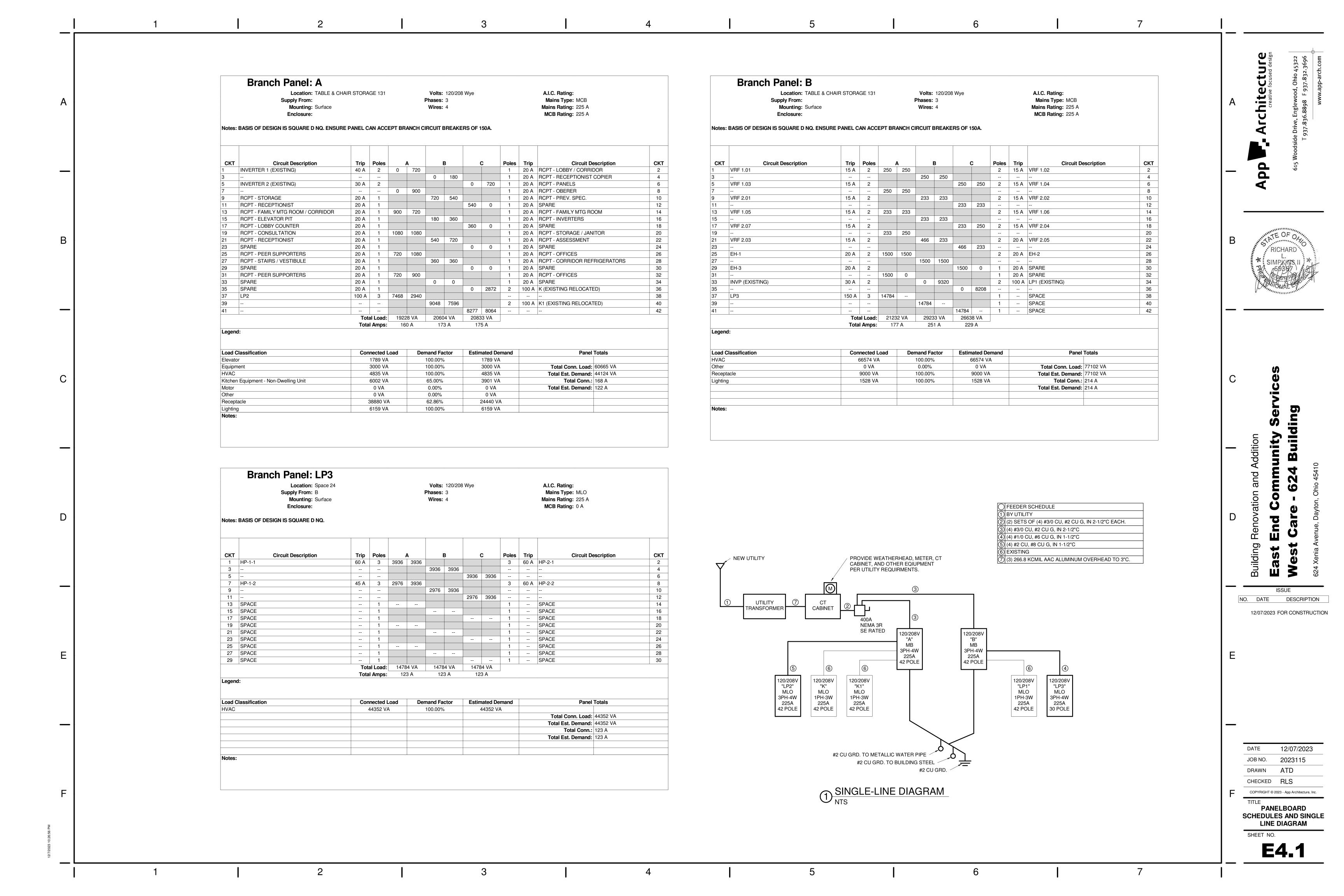


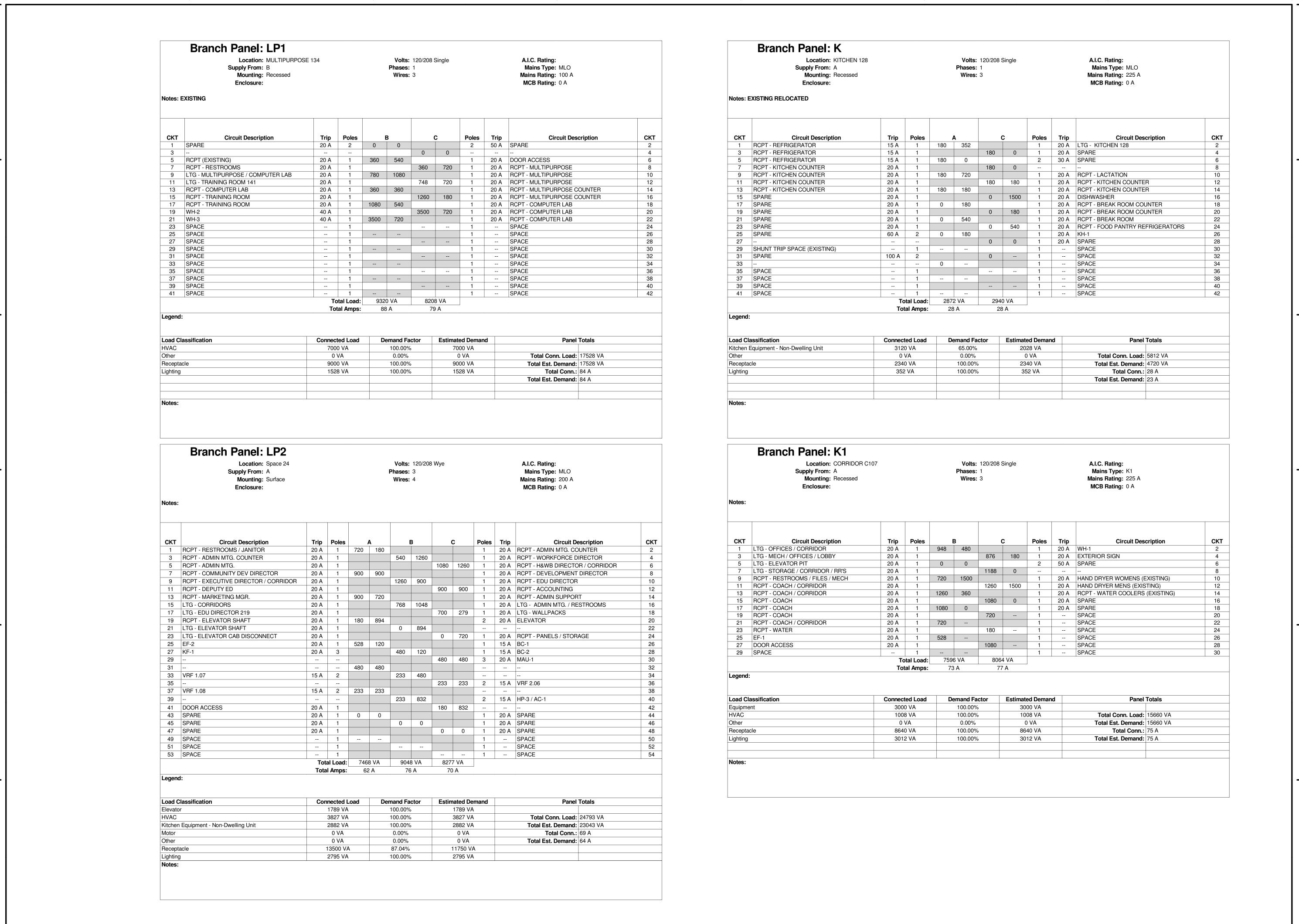












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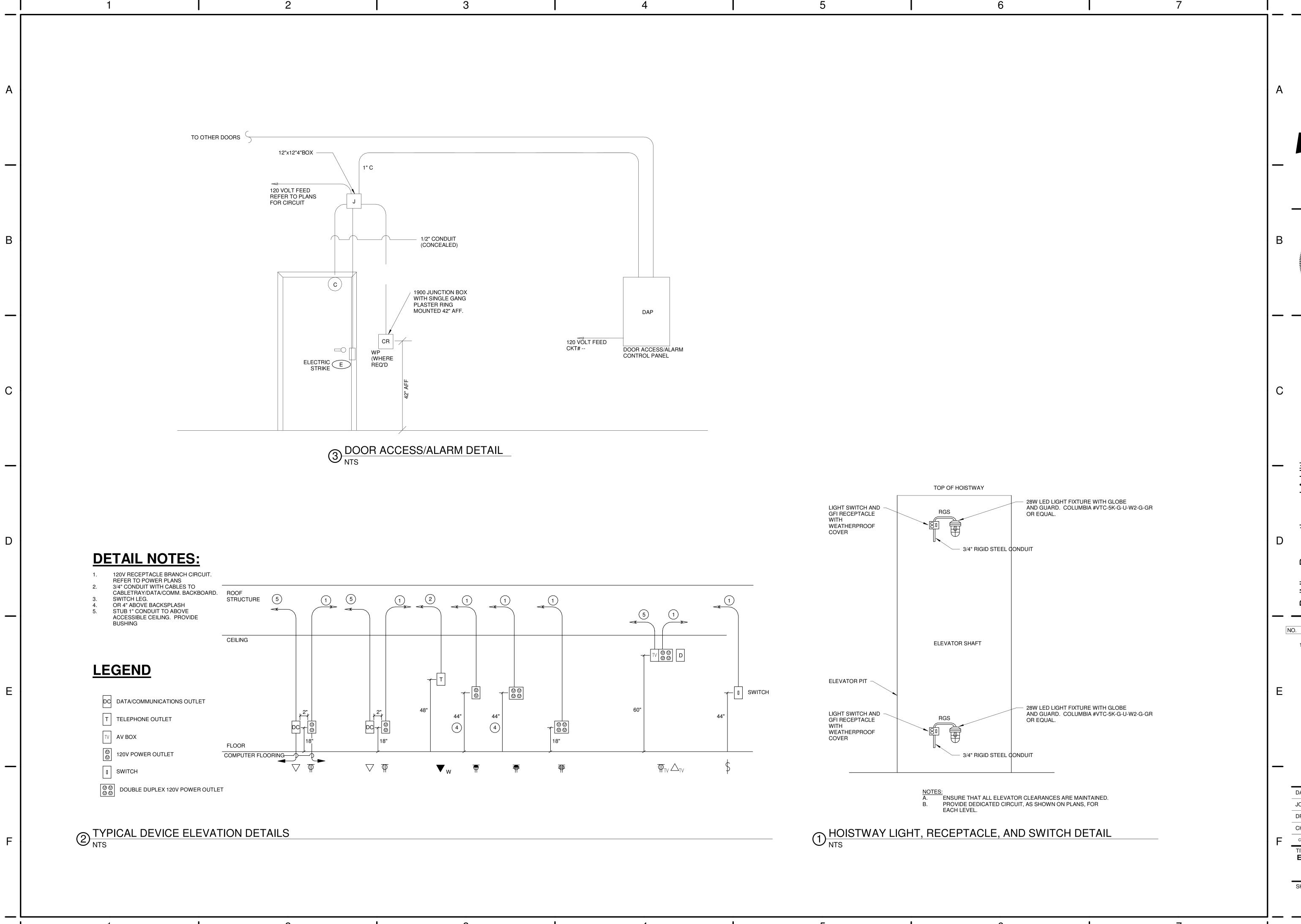
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**PANELBOARD SCHEDULES** 

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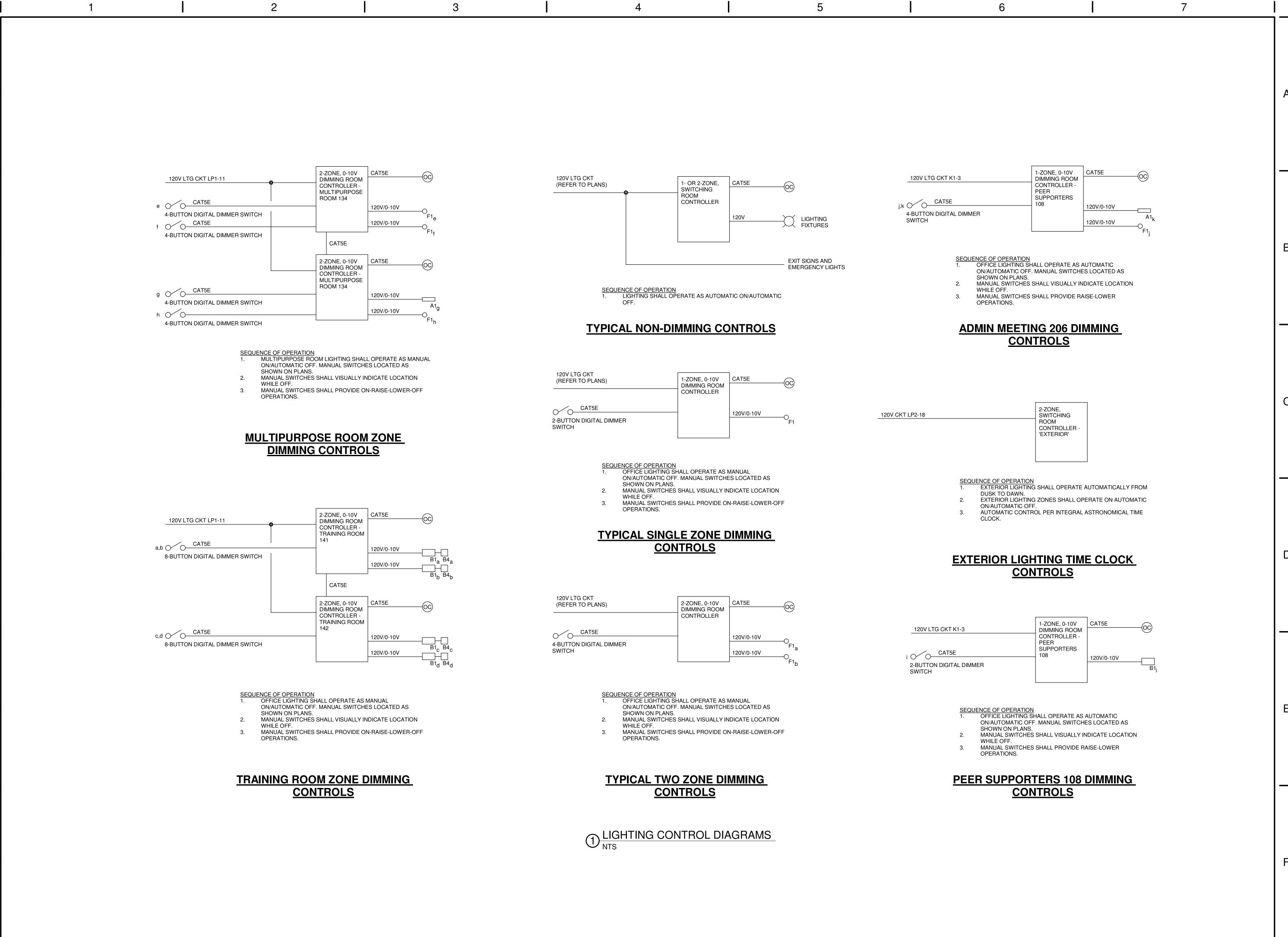
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**ELECTRICAL DETAILS** 

SHEET NO.

**E5.0** 



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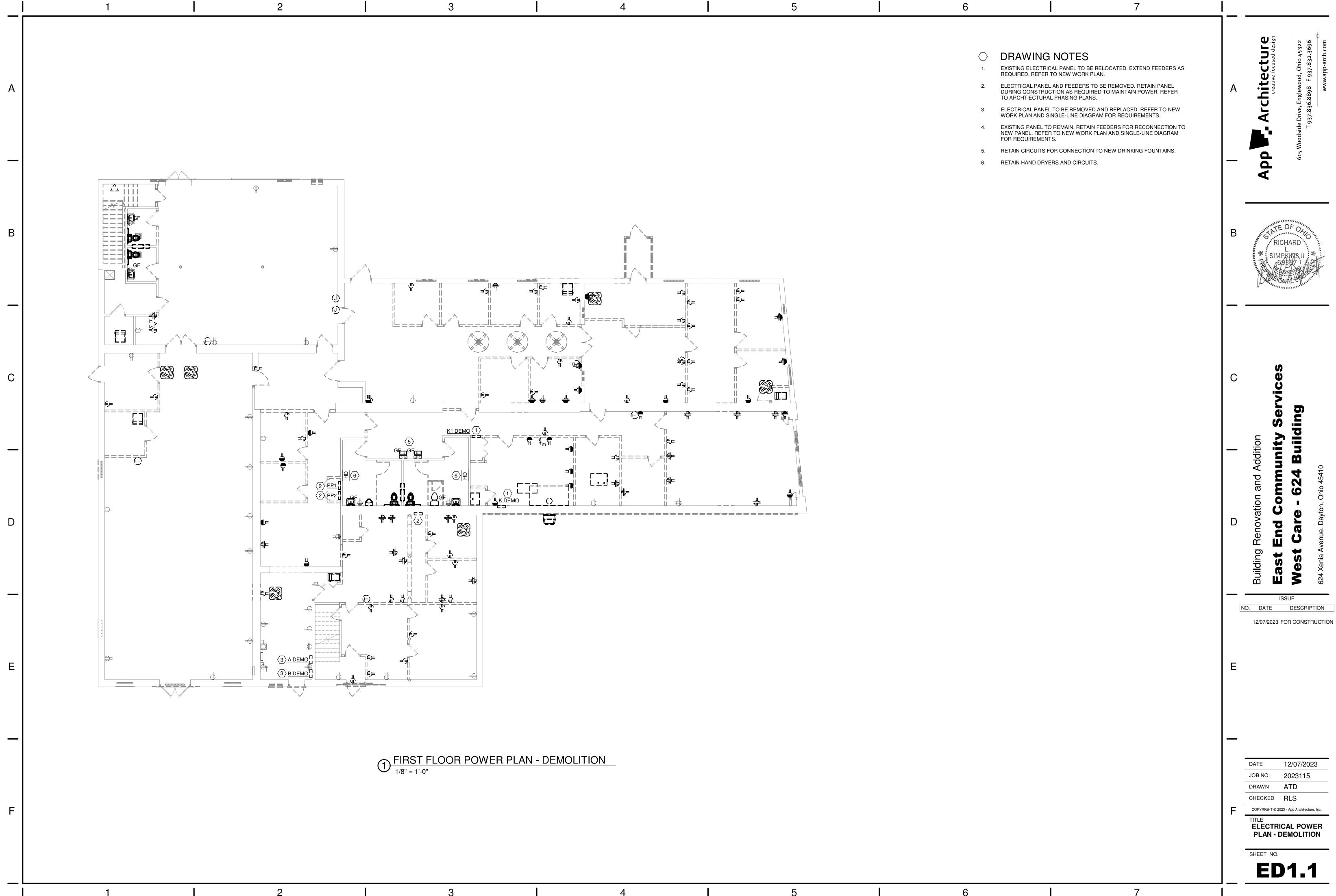
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**ELECTRICAL DETAILS** 

SHEET NO.

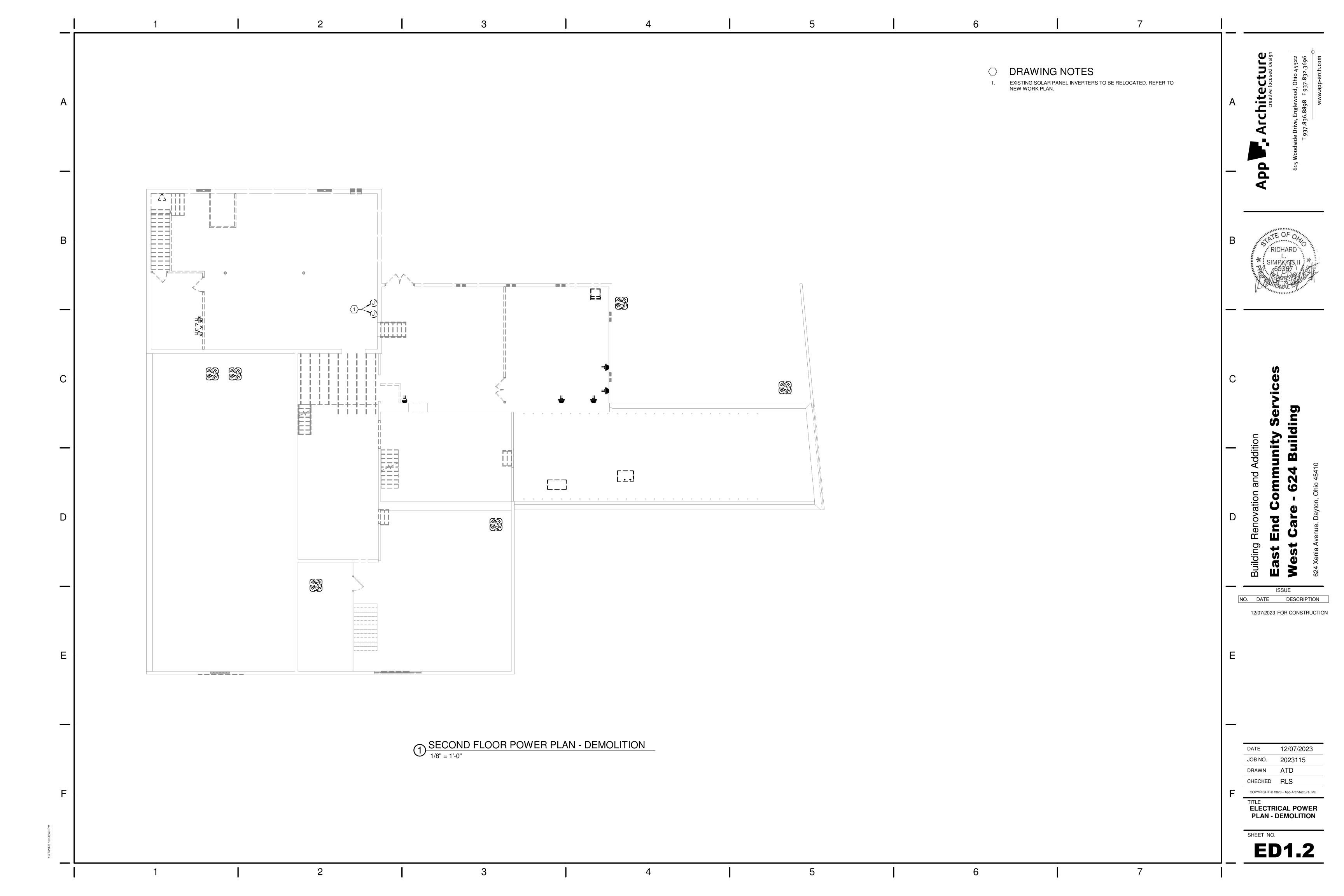
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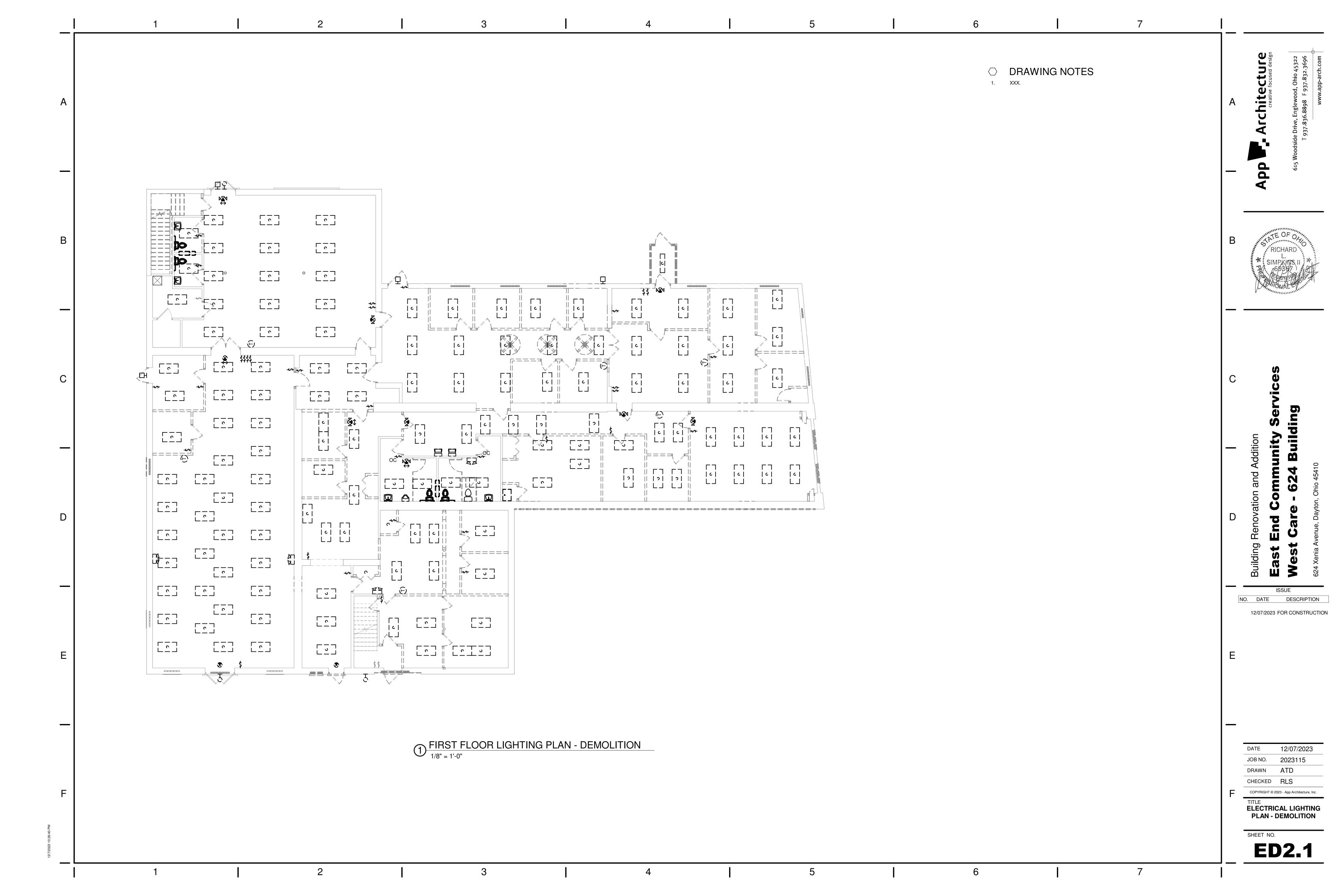


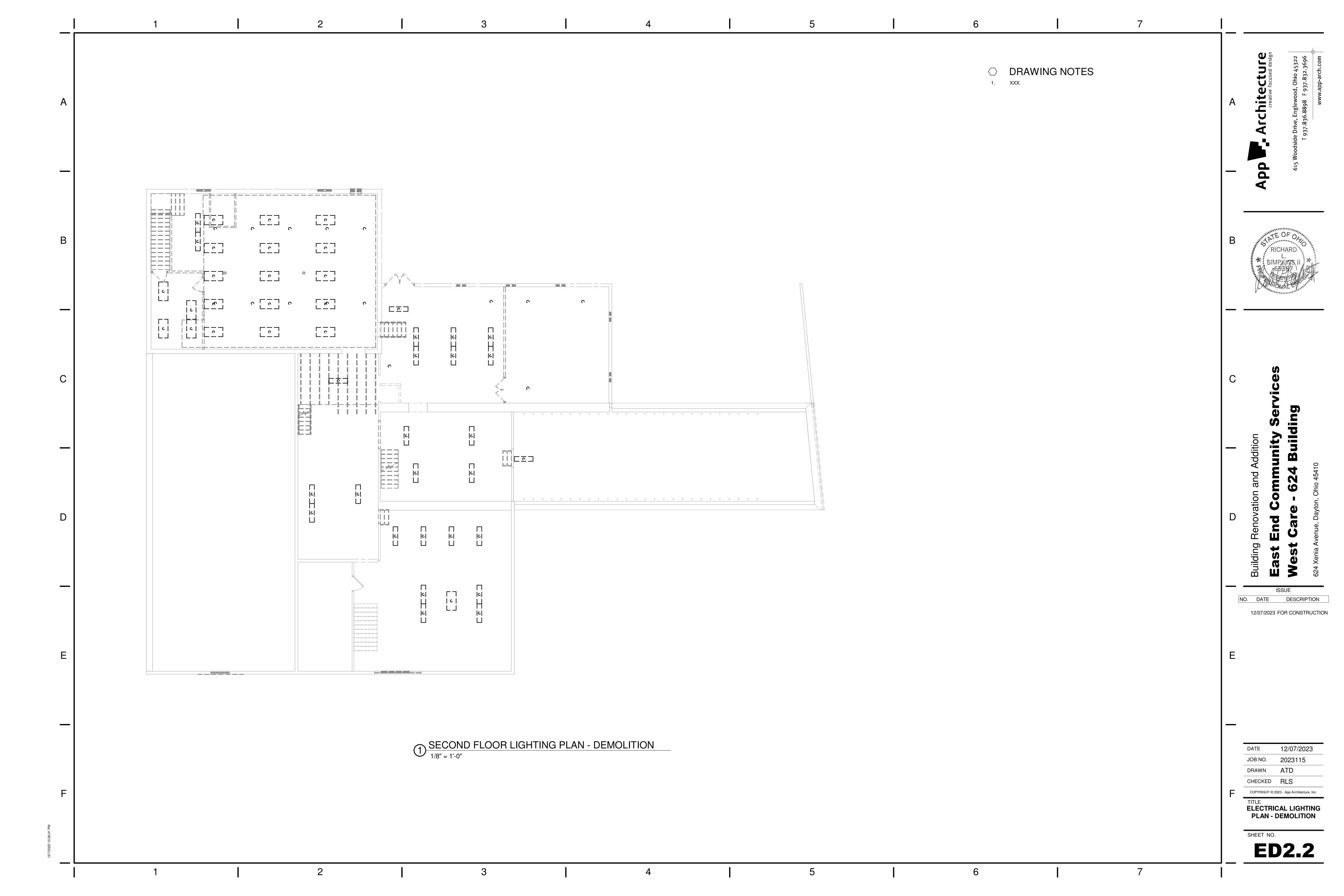
12/07/2023 2023115 DRAWN ATD

ELECTRICAL POWER PLAN - DEMOLITION

**ED1.1** 







FIRE SUPPRESSION LEGEND PLUMBING LEGEND **DESIGN CRITERIA GENERAL NOTES** DESCRIPTION SYMBOL SYMBOL PROVIDE A COMPLETE SPRINKLER SYSTEM THROUGHOUT 1. DESIGN AND INSTALLATION OF SERVICE MAIN AND WET THE BUILDING. BUILDING SHALL BE CONSIDERED FULLY PIPE SPRINKLER SYSTEM SHALL COMPLY WITH THE  $- \ \, - \ \, - \ \, - \ \, - \ \, -$ **VENT PIPING**  $- \ \, - \ \, - \ \, - \ \, - \ \, - \ \,$ **VENT PIPING** SUPPRESSED AT COMPLETION OF PROJECT. REQUIREMENTS OF THE 2017 OHIO BUILDING CODE, N.F.P.A. 13 (2016 EDITION), AND ALL AUTHORITIES HAVING ——SAN——— SANITARY PIPING -----SAN-----SANITARY PIPING ALL FIRE SUPPRESSION EQUIPMENT SHALL BE UL LISTED JURISDICTION (AHJ). ---FS---FIRE SERVICE PIPING FOR FIRE SUPPRESSION SERVICE. WORKING PLANS AND HYDRAULIC CALCULATIONS SHALL BE -NG-NATURAL GAS PIPING PREPARED. SUBMITTED. AND APPROVED PRIOR TO ALL FIRE SUPPRESSION SYSTEMS (SERVICE MAIN, FIRE INSTALLATION, BY THE FIRE SUPPRESSION CONTRACTOR. -cw--- - -----DOMESTIC COLD WATER PIPING DEPT. CONNECTION, SPRINKLER SYSTEM, INSPECTOR TEST, DRAIN, ETC.) SHALL BE HYDROSTATICALLY TESTED PLANS SHALL INCLUDE ALL ITEMS LISTED IN N.F.P.A. 13. -HW-- - - -----DOMESTIC HOT WATER PIPING AT 200 PSI FOR 2 HOURS WITH NO VISIBLE LEAKAGE. ALL WATER SUPPLY DATA: THE FIRE SUPPRESSION CONCEALED PIPING SHALL BE AIR TESTED, WITH NO -HW (140°) — — DOMESTIC HOT WATER PIPING (140°) LEAKAGE, PRIOR TO FILLING SYSTEM WITH WATER. THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING A FLOW DOMESTIC HOT WATER RETURN PIPING -HWR — — — — FIRE PROTECTION CONTRACTOR SHALL NOTIFY ALL TEST TO OBTAIN CURRENT WATER SUPPLY DATA FROM THE NEW WATER DISTRIBUTION SYSTEM FOR USE IN THE AUTHORITIES HAVING JURISDICTION 24 HOURS PRIOR TO BALL VALVE THE TEST TO ALLOW AHJ TO WITNESS ALL TESTS. HYDRAULIC CALCULATIONS. BALANCING VALVE ALL VALVES CONTROLLING WATER SUPPLIES SHALL BE HYDRAULIC DESIGN CRITERIA FOR LIGHT HAZARD AREAS: CHECK VALVE, ARROW INDICATES FLOW DIRECTION PROVIDED WITH TAMPER SWITCHES (SEE NOTE E). (ALL AREAS EXCEPT WHERE NOTED OTHERWISE) BACKFLOW PREVENTER THE FIRE SPRINKLER SYSTEM SHALL BE SUPERVISED BY AN DENSITY: 0.10 GPM/SQ.FT. PIPE CAP APPROVED CENTRAL STATION FIRE ALARM SYSTEM IN DESIGN AREA: MOST DEMANDING 1500 SQ. FT. ACCORDANCE WITH O.B.C. AND N.F.P.A. 72. (REDUCTION WITH QUICK RESPONSE PIPE UP HEADS PERMITTED) THE FIRE SUPPRESSION CONTRACTOR SHALL COORDINATE MAX SPRINKLER PIPE DOWN WIRING OF ELECTRICAL FIRE SUPPRESSION DEVICES AND COVERAGE: FLOW ARROW EQUIPMENT WITH THE ELECTRICAL AND/OR FIRE ALARM 225 SQ. FT./HEAD CONTRACTOR. ALL FIRE ALARM WIRING BY ELECTRICAL HOSE DEMAND: 100 GPM PLAN NOTE DESIGNATION CONTRACTOR. ALL DEVICES SHALL BE FURNISHED AND **DURATION: 30 MINUTES** INSTALLED BY THE FIRE SUPPRESSION CONTRACTOR. TS TAMPER SWITCH HYDRAULIC DESIGN CRITERIA FOR ORDINARY HAZARD FS FLOW SWITCH THE FIRE SUPPRESSION CONTRACTOR SHALL COORDINATE (GROUP 1) THE LAYOUT OF THE FIRE SUPPRESSION SYSTEM WITH ALL AREAS: (STORAGE ROOMS, MECHANICAL ROOMS, /ORD\ ORD = ORDINARY HAZARD; LGT = LIGHT HAZARD TRADES PRIOR TO INSTALLATION. JANITOR'S ROOMS, KITCHEN, COMMUNICATION ROOMS) GP1/ GP1 = GROUP 1 THE FIRE SUPPRESSION CONTRACTOR SHALL CENTER DENSITY: 0.15 GPM/SQ.FT. (WITHIN 1") ALL CONCEALED SPRINKLER HEADS INSTALLED DESIGN AREA: MOST DEMANDING 1500 SQ. FT. IN ACOUSTICAL LAY-IN CEILING TILES. ALL PENDENT MAX SPRINKLER SPRINKLER HEADS IN CEILINGS SHALL BE SYMMETRICAL COVERAGE: WITH LIGHTING AND AIR DEVICES. 130 SQ. FT./HEAD HOSE DEMAND: 250 GPM VERIFY THE LOCATION AND TYPE OF FIRE DEPARTMENT **DURATION: 60 MINUTES** CONNECTION WITH THE FIRE DEPARTMENT. ALL SPRINKLER HEADS SHALL BE QUICK RESPONSE TYPE. LOCAL SPRINKLER ALARM AND REMOTE ALARM AND SUPERVISION SHALL BE THRU THE FIRE ALARM SYSTEM SPRINKLER HEADS IN AREAS WITH FINISHED CEILINGS SHALL BE CONCEALED PENDENT TYPE WITH FLAT PLATE PROVIDED BY THE E.C. AND CUSTOM COLOR TO MATCH THE ADJACENT CEILING CONCEALED, NONCOMBUSTIBLE ATTIC SPACES DO NOT COLOR OR FINISH. / WHITE FINISH. REQUIRE SPRINKLERS. SPRINKLER HEADS IN AREAS WITH NO CEILINGS SHALL BE FINAL APPROVAL IS SUBJECT TO ACCEPTANCE AND BRASS/CUSTOM COLOR UPRIGHTS. SIDEWALL SPRINKLER HEADS MAY ALSO BE USED IN STAIRWELLS WHERE TESTING BY ALL AHJ. PROPER COVERAGE CAN BE PROVIDED. METER LAYOUT IN BUILDING COMBINATION SERVICE ONLY PERMITTED INSIDE BUILDING IF THERE IS NO LOCATION OUTSIDE OF THE BUILDING FOR A PIT ON THE CUSTOMER'S PROPERTY 1 1/2" MINIM

SAN	SANITARY PIPING
GW	GREASE WASTE PIPING
NG	NATURAL GAS PIPING
cw— - —	DOMESTIC COLD WATER PIPING
HW— — — —	DOMESTIC HOT WATER PIPING
·HWR — — —	DOMESTIC HOT WATER RETURN PIPING
	BALL VALVE
	CHECK VALVE
	BACKFLOW PREVENTER
	PIPE CAP
<del></del>	PIPE UP
	PIPE DOWN
<b>&gt;</b>	FLOW ARROW
<b>(##</b> )	KEYNOTE DESIGNATION
< K## >	KITCHEN EQUIPMENT DESIGNATION
1 FS1.1	DETAIL DESIGNATION
ADA	AMERICAN WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER
CO	CLEANOUT
CW	DOMESTIC COLD WATER
DS	DOWNSPOUT
ET	EXPANSION TANK
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR
GMR	GAS METER/REGULATOR
GS	GAS SERVICE
GT	GREASE TRAP OR KITCHEN WASTE
НВ	HOSE BIBB
HW	DOMESTIC HOT WATER
HWR	DOMESTIC HOT WATER RETURN
IND	INDIRECT WASTE
LV	LAVATORY
MB	MOP BASIN
NG	NATURAL GAS
NP	NON POTABLE WATER
NTS	NOT TO SCALE
OD	OVERFLOW STORM DRAIN
ODS	OVERFLOW DOWNSPOUT
SAN	SANITARY
SD	STORM DRAIN
SK	SINK
TP	TRAP PRIMER
TYP.	TYPICAL
UR	URINAL
VR	VENT RISER
VS	VENT STACK
VTR	VENT THRU ROOF
WC	
WCO	WATER CLOSET WALL CLEANOUT
WH	
WS	WATER HEATER WATER SERVICE
WTC	
YCO	WATER COOLER VARD CLEANOUT
100	YARD CLEANOUT

DESCRIPTION

INDEX OF DRAWINGS SHEET NUMBER SHEET NAME FIRE SUPPRESSION LEGEND AND GENERAL NOTES FIRST FLOOR FIRE SUPPRESSION PLAN SECOND FLOOR FIRE SUPPRESSION PLAN

1 COMBINATION FIRE AND WATER SERVICE DETAIL

O.S.&Y. GATE VALVE ---

18" MINIMUM FROM WALL ---

6" MINIMUM FROM FLOOR

THRUST BLOCK -

1. ALL UNDERGROUND JOINTS MUST BE RESTRAINED.

INSIDE PIPING SHALL BE D.I.P. CLASS 53 TO RIGID FLANGE. FROM RIGID FLANGE THROUGH METER VALVES AND BYPASS TO BE D.I.P. "K-COPPER OR BRASS.

5. PROVIDE SPREADER FOR PROPER ALIGNMENT ON INSTALLATION OF METER SPREAD.

7. PROVIDE 1/2" CONDUIT WITH PULL STRING TO OUTSIDE OF BUILDING FOR REMOTE READ WIRING

6. ADJACENT WALL CLEARANCE - 18" MINIMUM

GENERAL NOTE: CONTACT WATER ENGINEERING FOR ANY SITUATION NOT COVERED IN STANDARDS

METER LAYOUT IN BUILDING

SCALE: NOT TO SCALE DRAWN: 07-1999 BY: JBS

- MECHANICAL JOINT BELL

SHEET NO.

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FIRE SUPPRESSION LEGEND AND GENERAL **NOTES** 

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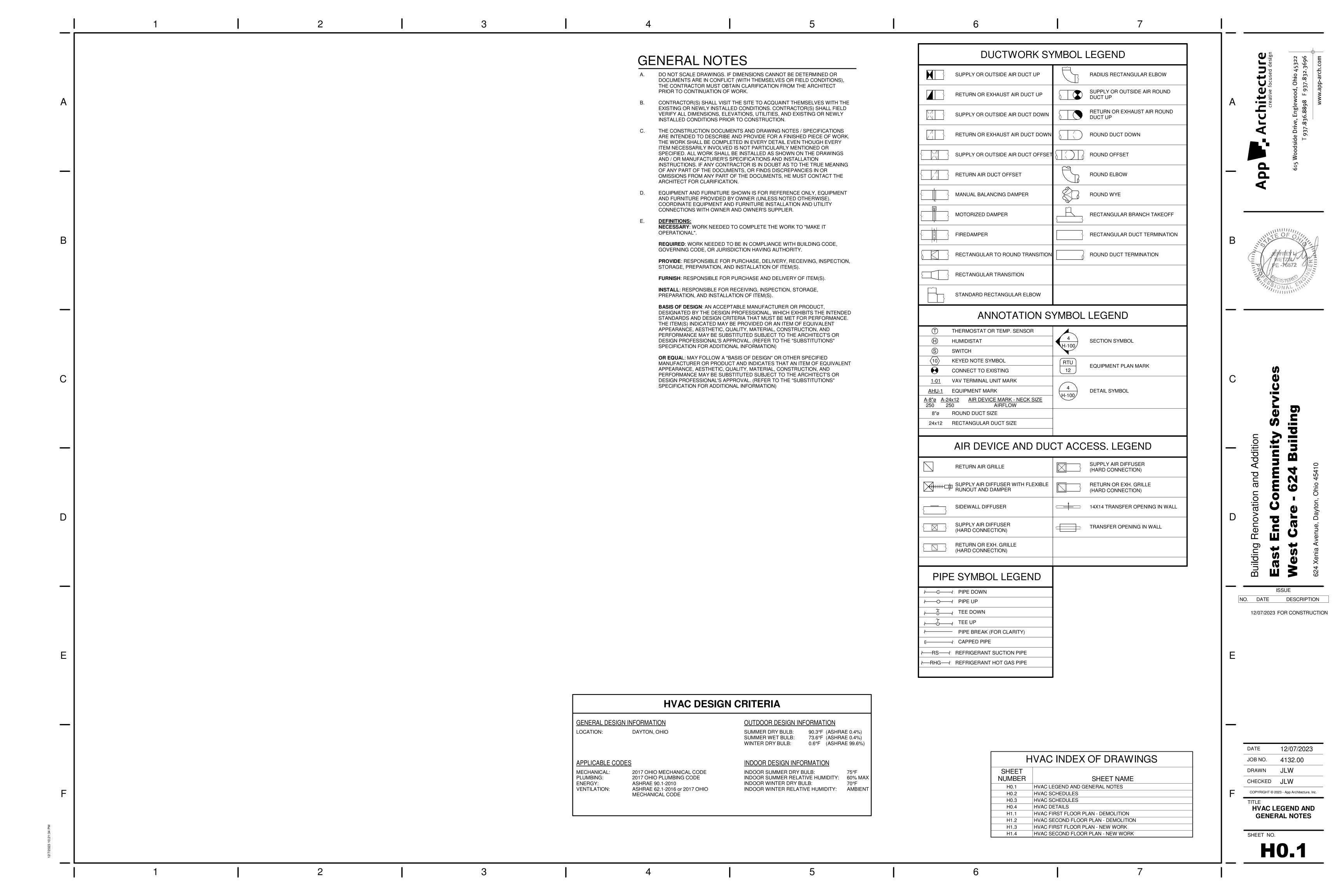
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NO. DATE DESCRIPTION

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		VRF	INDOOR UN	IIT SC	HED	ULE						
PLAN		BAS	IS OF DESIGN	AIRELOW	OA AIRFLOW	ESP	COOL.	HEAT.	ELE	CTRICA	\L	
MARK	DESCRIPTION	MFR	MODEL	(CFM)	(CFM)	("WC.)	MBH	MBH	VOLT/PH	MCA	МОСР	NOTES
VRF-1.01	CONCEALED DUCTED	MITSUBISHI	PEFY-P18NMAU-E4	600	155	0.4	18	20	208-230/1	3.0	15	1
VRF-1.02	CONCEALED DUCTED	MITSUBISHI	PEFY-P18NMAU-E4	600	150	0.4	18	20	208-230/1	3.0	15	1
VRF-1.03	MULTI-POS. AIR HANDLER	MITSUBISHI	PVFY-P12NAMU-E1	400	40	0.5	12	13.5	208-230/1	3.0	15	1
VRF-1.04	CONCEALED DUCTED	MITSUBISHI	PEFY-P18NMAU-E4	600	161	0.4	18	20	208-230/1	3.0	15	1
VRF-1.05	CONCEALED DUCTED	MITSUBISHI	PEFY-P24NMAU-E4	800	175	0.4	24	27	208-230/1	2.8	15	1
VRF-1.06	CONCEALED DUCTED	MITSUBISHI	PEFY-P36NMAU-E4	1,271	175	0.4	36	40	208-230/1	2.8	15	1
VRF-1.07	CONCEALED DUCTED	MITSUBISHI	PEFY-P36NMAU-E4	1,271	115	0.4	36	40	208-230/1	2.8	15	1
VRF-1.08	CONCEALED DUCTED	MITSUBISHI	PEFY-P36NMAU-E4	1,271	40	0.4	36	40	208-230/1	2.8	15	1
VRF-2.01	CONCEALED DUCTED	MITSUBISHI	PEFY-P36NMAU-E4	1,077	175	0.4	36	40	208-230/1	2.8	15	1
VRF-2.02	CONCEALED DUCTED	MITSUBISHI	PEFY-P36NMAU-E4	1,271	175	0.4	36	40	208-230/1	2.8	15	1
VRF-2.03	MULTI-POS. AIR HANDLER	MITSUBISHI	PVFY-P54NMAU-E1	1,400	135	0.5	54	60	208-230/1	5.6	15	1
VRF-2.04	CONCEALED DUCTED	MITSUBISHI	PEFY-P18NMAU-E4	600	80	0.4	18	20	208-230/1	3.0	15	1
VRF-2.05	MULTI-POS. AIR HANDLER	MITSUBISHI	PEFY-P36NMAU-E4	1,077	85	0.4	36	40	208-230/1	2.8	15	1
VRF-2.06	CONCEALED DUCTED	MITSUBISHI	PEFY-P24NMAU-E4	800	95	0.4	24	27	208-230/1	2.8	15	1
VRF-2.07	CONCEALED DUCTED	MITSUBISHI	PEFY-P24NMAU-E4	800	145	0.4	24	27	208-230/1	2.8	15	1

			VRF	OUT	DOO	R UN	IIT SC	CHED	ULE	•					
	BAS	IS OF DESIGN						ELECTR	ICAL		DIME	NSIONS	6 (IN.)		
PLAN MARK	MFR	MODEL	COOL. MBH	HEAT. MBH	EER	COP	# CONN.	VOLT/PH	MCA	REC. FUSE	L	W	Н	WEIGHT (LB)	NOTES
HP-1	MITSUBISHI	PURY-EP216TSNU-A	216	430	11.3	3.3	2	208-230/3	41/31	60/45	96"	29"	72"	1,250	-
HP-2	MITSUBISHI	PURY-EP240TSNU-A	240	270	11.7	3.5	2	208-230/3	41/41	60/60	96"	29"	72"	1,250	-

GENERAL NOTES:

NOMINAL COOLING CONDITIONS:

INDOOR: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), OUTDOOR: 95°FD.B. (35°CD.B.) NOMINAL HEATING CONDITIONS:

PROVIDE WITH WALL MOUNTED SIMPLE MA CONTROLLER #PAC-YT53.

INDOOR: 70°FD.B. (21.1°CD.B.), OUTDOOR: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.). NOTES:

							D	UCTL	ESS S	SPLI	ΓSYS	STEM SC	HEDULE									
					IN	IDOOR L	JNIT								OUTDOO	R UNIT						
	BASIS	S OF DESIGN					NOM.	NOM.	CABIN	ET DIMEN	ISIONS	BASIS C	F DESIGN				ELEC.	TRIC	D	IMENSION	IS	
PLAN MARK	MANUF	MODEL	CFM	E.S.P.	V/PH		COOLING CAPACITY (MBH)	CAPACITY	LENGTH	WIDTH	HEIGHT	MFR	MODEL	NOMINAL COOLING (MBH)	NOMINAL HEATING (MBH)	MIN. SEER	V/PH	MCA/ MOCP (A)	LENGTH	HEIGHT	DEPTH	NOTES
AC-1	MITSUBISHI	MSY-GS12NA	381	-	208-230/1	1.0/15	12.0	-	32"	9"	11.5"											1,2
HP-3												MITSUBISHI	MUY-GS12NA	12.0	-	23.1	208/1	10/15	34"	21.5"	11"	1

#### **GENERAL NOTES:**

- INDOOR UNIT COOLING CAPACITY BASED ON 80°F DB, 67°F WB E.A.T., OUTDOOR UNIT COOLING CAPACITY BASED ON 95°F AMBIENT TEMPERATURE.
- INDOOR UNIT HEATING CAPACITY BASED ON 70°F E.AT., OUTDOOR UNIT
- HEATING CAPACITY BASED ON 5°F AMBIENT TEMPERATURE. INDOOR UNIT AIRFLOW QUANTITIES BASED ON HIGH FAN SPEED SETTING.

#### NOTES:

INDOOR UNIT POWERED BY OUTDOOR UNIT.

PROVIDE WITH REMOTE WIRELESS TEMPERATURE CONTROLLER. REFER TO PLANS FOR FOR MOUNTING LOCATION.

		F	FAN SCH	IEDI	JLE						
PLAN	TYPE	BASIS OF	DESIGN	CFM	ESP	WHEEL	DRIVE	EL	ECTRIC		NOTES
MARK	ITPE	MANUF.	MODEL	CFIVI	("WC)	SIZE	DUILE	HP	VOLT	PHASE	NOTES
EF-1	INLINE CENTRIF	GREENHECK	SQ-90	300	0.25	9"	DIRECT	1/6	120	1	1,2
EF-2	INLINE CENTRIF	GREENHECK	SQ-90	210	0.25	9"	DIRECT	1/6	120	1	1,2

- FAN SHALL RUN CONTINUOUSLY. PROVIDE WITH DISCONNECT SWITCH AND BACKDRAFT DAMPER
- AIR DEVICE SCHEDULE MOUNTING FINISH | MATERIAL | **ACCESSORIES** DESCRIPTION MARK MFR MODEL A1 SQUARE FACE DIFFUSER, 24x24 FACE TITUS TMS LAY-IN | WHITE | STEEL TITUS SURFACE | WHITE | STEEL | OPP. BLADE DMPR A2 SQUARE FACE DIFFUSER, 20x20 FACE A3 SQUARE FACE DIFFUSER, 12x12 FACE TITUS TMS LAY-IN | WHITE | STEEL TITUS SURFACE | WHITE | STEEL | OPP. BLADE DMPR SQUARE FACE DIFFUSER, 12x12 FACE EGGCRATE CEILING GRILLE, 24x24 FACE TITUS 50F LAY-IN | WHITE | ALUM. TITUS EGGCRATE CEILING GRILLE, 24x12 FACE 50F LAY-IN | WHITE | ALUM. EGGCRATE CEILING GRILLE, 12x12 FACE TITUS 50F SURFACE | WHITE | ALUM. | OPP. BLADE DMPR EGGCRATE CEILING GRILLE, 16x12 FACE TITUS 50F SURFACE | WHITE | ALUM. | OPP. BLADE DMPR

350RL

TITUS 301FL

A. CARNES AND KRUEGER ACCEPTABLE ALTERNATE MANUFACTURER

SIDEWALL SUPPLY GRILLE

SIDEWALL RETURN GRILLE

F1 SINGLE DEFLECTION SUPPLY GRILLE

NOTES:

GS IFD	THK.	TYPE - -	D -	THK. 1.5" 1.5"	TYPE IFD	D -	JACKET FFJ	NOTES 1,3
IFD	-	-	-			-	FFJ	1,3
	-	-	-	1 5"	IED			
				'.5	IFD	-	FFJ	2
GS	-	-	-	-	-	-	-	
GS	-	-	-	1.5"	FGW	-	FFJ	3
GS	-	-	-	-	-	-	-	
CS	-	-	-	*	FGW	-	FFJ	4
7	CS JLE NOTES	CS -	CS	CS	CS *  JLE NOTES:	CS * FGW  JLE NOTES:	CS * FGW - JLE NOTES:	CS * FGW - FFJ

TITUS

TITUS

ALL PAINTING BY GENERAL CONTRACTOR.

ALL DUCT JOINTS AND SEAMS SHALL BE SEALED 2.

PER OMC CHAPTER 5. TYPE I GREASE DUCT SHALL BE FULLY WELDED OR MANUFACTURED UL LISTED DOUBLEWALL

ATTIC DUCTWORK SHALL BE INSULATED WITH MINIMUM R-6 INSULATION. WITH INTERNAL INSULATION. DUCT SHALL BE EXTERNALLY INSULATED WITH FIRE WRAP

ACOUSTICAL INSULATED FLEX-DUCT FFJ ALUMINUM ABA ADHESIVE BACKED ALUMINUM ASJ CS ALL SERVICE JACKET CARBON STEEL DENSITY (PCF) DOUBLEWALL INSULATED

FOIL FACED JACKET FGW FIBERGLASS WRAP FIRE WRAP GS GALVANIZED STEEL INSULATED FLEXIBLE DUCT IFD MATT FACED FIBERGLASS EXTRUDED POLYSTYRENE PERFORATED FABRIC DUCT FIBERGLASS BOARD PREFORMED LINER

THICKNESS TO PROVIDE 0" CLEARANCE TO COMBUSTIBLES. **PVCGS** RECT GALVANIZED STEEL SPIRAL PIPE

ROUND RUNOUTS TO AIR DEVICES SHALL BE EXTERNALLY

SURFACE | WHITE | STEEL

SURFACE | WHITE | STEEL | OPP. BLADE DMPR

SURFACE | WHITE | ALUM. | OPP. BLADE DMPR

OPP. BLADE DMPR

PAINTGRIP GALVANIZED STEEL PVC COATED GALVANIZED STEEL RECTANGULAR ROUND STAINLESS STEEL THICKNESS

UNISULATED FLEXIBLE DUCT

	BRAI	NCH CONT	ROLL	ER SC	HEDU	ILE		
PLAN	MANUF.	MODEL	MAX MBH	# OF	ELE	CTRICA	٩L	NOTES
MARK	MANUF.	MODEL	PER PORT	BRANCHES	VOLT/PH	MCA	МОСР	INOTES
BC-1	MITSUBISHI	CMB-P1012NU-JA1	54	12	208-230/1	1.2	15	-
BC-2	MITSUBISHI	CMB-P1016NU-JA1	54	12	208-230/1	1.2	15	-
NOTES:								
1								

ISSUE NO. DATE DESCRIPTION

12/07/2023 FOR CONSTRUCTION

DATE 12/07/2023 JOB NO. 4132.00 DRAWN **JLW** CHECKED JLW

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SHEET NO.

ROOM NUMBER	ROOM NAME VESTIBULE	OCCUPANCY TYPE	AREA (SF)	OCCUPANT DENSITY (#/1000SF)	PEOPLE AIR RATE (CFM/PERSON)	AREA AIR RATE (CFM/SF)	NUMBER OF PEOPLE	MINIMUM OA. AIRFLOW (CFM)
100 101	LOBBY	ENTRANCE LOBBY	370	10	5	0.06	4	42
102 103	RECEPTIONIST PANTRY CLOSET	OFFICE	179 54	5	5	0.06	1	16
104	SENIOR OUTREACH	OFFICE	115	5	5	0.06	1	12
105 106	RISE FOR SENIORS RECOVERY CM	OFFICE OFFICE	124 104	5 5	5 5	0.06 0.06	1 1	12 11
107	SUPERVISOR	OFFICE	125	5	5	0.06	1	13
108	PEER SUPPORTERS PREV. SPEC.	OFFICE OFFICE	549 113	5 5	5 5	0.06	3	48 12
110	SUPERVISOR	OFFICE	128	5	5	0.06	1	13
111 112	COACH	OFFICE OFFICE	111	5 5	5	0.06	1 1	12 12
113	COACH	OFFICE	110	5	5	0.06	1	12
114 115	WATER COACH	OFFICE	96 110	5	5	0.06	1	12
116	COACH	OFFICE	108	5	5	0.06	1	11
117 118	COACH	OFFICE OFFICE	110 108	5 5	5	0.06	1 1	12 11
119	COACH	OFFICE	110	5	5	0.06	1	12
120 121	COACH	OFFICE OFFICE	108 105	5 5	5 5	0.06	1 1	11
122	FILES		86					
123 124	CLOSET MECHANICAL		28 52					
125	WOMENS		147					
126 127	MENS LACTATION		131 56					
128	KITCHEN	KITCHEN	318	20	7.5	0.12	7	91
129 130	BREAK ROOM FOOD PANTRY	BREAK	273 95	25	5	0.06	7	51
131	TABLE & CHAIR STORAGE		232					
132 133	STORAGE JANITOR DESK/STORAGE		250 112					
134	MULTIPURPOSE	MEETING	1426	36	5	0.06	52	346
135 136	COMPUTER LAB JANITOR	COMPUTER LAB	423 78	25	10	0.12	11	161
137	MECH.		35					
138 139	MENS WOMENS		41					
140	SW STAIRS		158		_			
141 142	TRAINING ROOM TRAINING ROOM	MEETING MEETING	480 461	50 50	5 5	0.06	25 24	154 148
143	CONSULTATION	OFFICE	103	5	5	0.06	1	11
144 145	FAMILY MTG RM CONSULTATION	OFFICE OFFICE	128 103	5 5	5	0.06	1	13 11
146	FAMILY MTG RM	OFFICE	126	5	5	0.06	1	13
147 148	ASSESSMENT OBERER	OFFICE OFFICE	123 144	5 5	5	0.06	1 1	12 14
149 150	GRAND STAIR CLST.		153 21					
202	H&WB DIRECTOR	OFFICE	235	5	5	0.06	2	24
203 204	CLOSET DEVELOPMENT DIRECTOR	OFFICE	30 219	5	5	0.06	2	23
205	COMMUNITY DEV. DIRECTOR	OFFICE	219	5	5	0.06	2	23
206 207	ADMIN MTG. DATA	MEETING	510 85	50	5	0.06	26	161
208	STORAGE		906					
209 210	SOLAR/MECH WORKFORCE DIRECTOR	OFFICE	251 224	5	5	0.06	2	23
211	RR	J 10L	52	<u> </u>	J	0.00		
212 213	RR JAN.		52 48					
214	ADMIN. SUPPORT	OFFICE	100	5	5	0.06	1	11
215 216	EXECUTIVE DIRECTOR MARKETING MGR.	OFFICE OFFICE	312 120	5 5	5	0.06	1	29 12
217	DEPUTY ED	OFFICE	206	5	5	0.06	2	22
218 219	ACCOUNTING EDU DIRECTOR	OFFICE OFFICE	122 206	5 5	5	0.06	2	12 22
C100	CORRIDOR	CORRIDOR	123	0	0	0.06	0	7
C101 C102	CORRIDOR CORRIDOR	CORRIDOR CORRIDOR	525 494	0	0 0	0.06	0	32 30
C105	CORRIDOR	CORRIDOR	153	0	0	0.06	0	9
C106 C107	CORRIDOR CORRIDOR	CORRIDOR CORRIDOR	209 333	0	0 0	0.06	0	13 20
C108	CORRIDOR	CORRIDOR	389	0	0	0.06	0	23
C201 C202	CORRIDOR CORRIDOR	CORRIDOR CORRIDOR	419 259	0	0 0	0.06	0	25 16
C204	CORRIDOR	CORRIDOR	307	0	0	0.06	0	18
E100	ELEV.		26 16128					1875
NOTE: PEC	PLE COUNT FOR MEETING/TRAIN	NING SPACES ARE ADJUSTED		KED SEATING C	OUNT.			
0			, (1 <b>3</b> 111 1/					

					KITCI	HEN	HOC	D SC	HED	ULE								
		НОС	DD DIMEN	SION			EXH	AUST PLE	NUM				SUPPLY	PLENUM				
PLAN					MAX COOKING	TOTAL		RISEF	R(S)		TOTAL			RISEF	R(S)		HOOD	NOTES
MARK	DESCRIPTION	LENGTH	WIDTH	HEIGHT	TEMP.	CFM	DIA.	DEPTH	CFM	SP.	CFM	QTY	WIDTH	DEPTH	CFM	SP.	MATERIAL	
KH-1	LOW CEILING WALL CANOPY	72"	48"	24"	600 DEG.	2,150	16"	-	2,150	-0.62	-	-	-	-	-	-	430 SS	
	I INFORMATION SHOWN IS TO ESTAE DESIGN AND ENGINEERING DOCUM FURNISHED BY KITCHEN EQUIPMEN	IENTS AND A	LL REQUII	RED ACCE	ESSORIES S													

		KITCHEN	HOOD EXHAUS	ГА	<b>1</b> 30	ПЕО	ULE				
PLAN MARK	BASIS OF	DESIGN	- TYPE	CFM	ESP ("WC)	DRIVE	ELECTRICAL			WEIGHT	NOTES
	MANUFACTURER	MODEL NO.		CFINI			HP	VOLT	PHASE	(LB)	NOTES
KF-1	GREENHECK	CUE-140-A	CENTRIF. UPBLAST	2,150	1.4	DIRECT	1	208	3	100	1,2

PROVIDE WITH ROOF CURB, NON-FUSED DISCONNECT SWITCH, GREASE TRAP, GREASE PAN KIT, HINGE AND HIGH

TEMPERATURE CURB SEAL.
INFORMATION SHOWN IS TO ESTABLISH A MINIMUM PERFORMANCE LEVEL. FINAL UNIT DESIGN AND ENGINEERING DOCUMENTS AND ALL REQUIRED ACCESSORIES SHALL BE FURNISHED BY KITCHEN EQUIPMENT SUPPLIER, AND INSTALLED BY HC.

PLAN MARK	BASIS OF DESIGN			COOLING		HEATING			ELECTRIC					
	MANUFACTURER	MODEL NO.	CFM	TOTAL MBH	SENS. MBH	INPUT (MBH)	OUTPUT (MBH)	FUEL	HP	VOLT	PHASE	EER	WEIGHT (LBS)	NOTE
MAU-1	GREENHECK	DGX-P112-H12-MF	1,720	-	-	140	130	NG	1	208	3	-	720	1

PLAN MARK	BASIS OF			DDECC				
	MANUFACTURER	MODEL NO.	SERVICE	CFM	PRESS. DROP ("WC)	THROAT SIZE	CURB SIZE	NOTES
GIV-1	GREENHECK	GPIP	INTAKE	1,720	0.01"	24"	34"x34"	1
				·				

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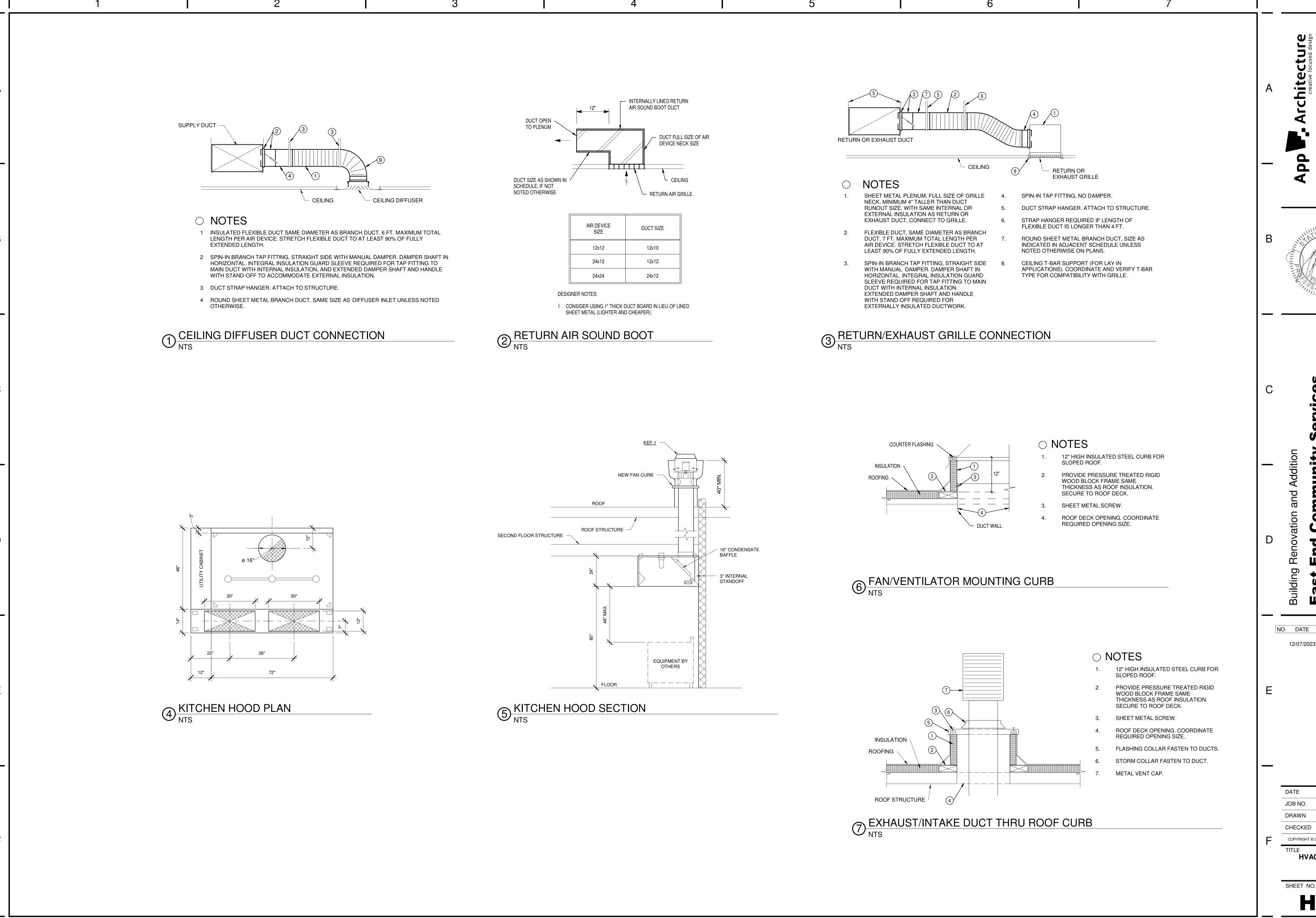
DATE 12/07/2023 JOB NO. 4132.00 DRAWN **JLW** CHECKED JLW

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HVAC SCHEDULES

SHEET NO.

H0.3



DESCRIPTION

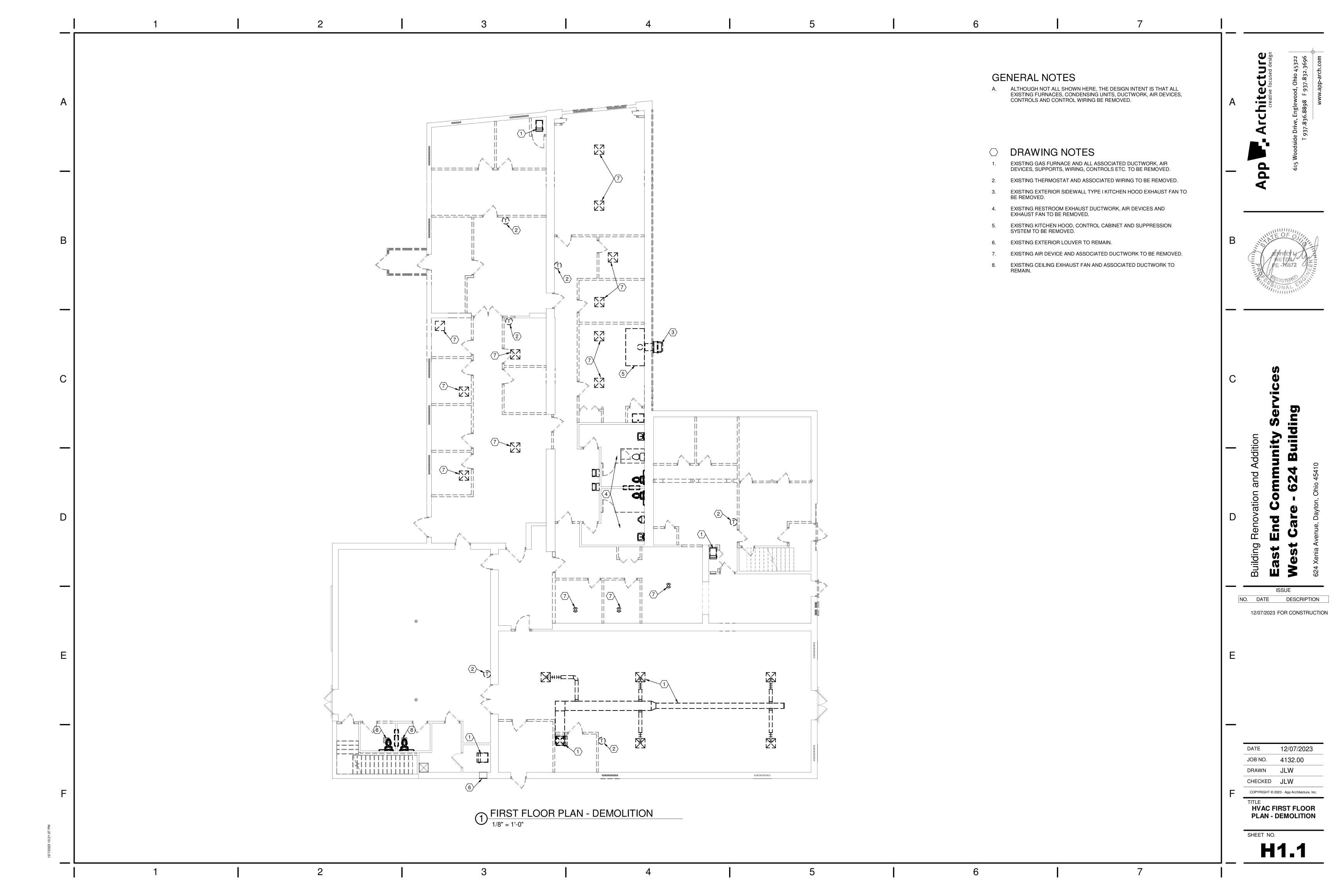
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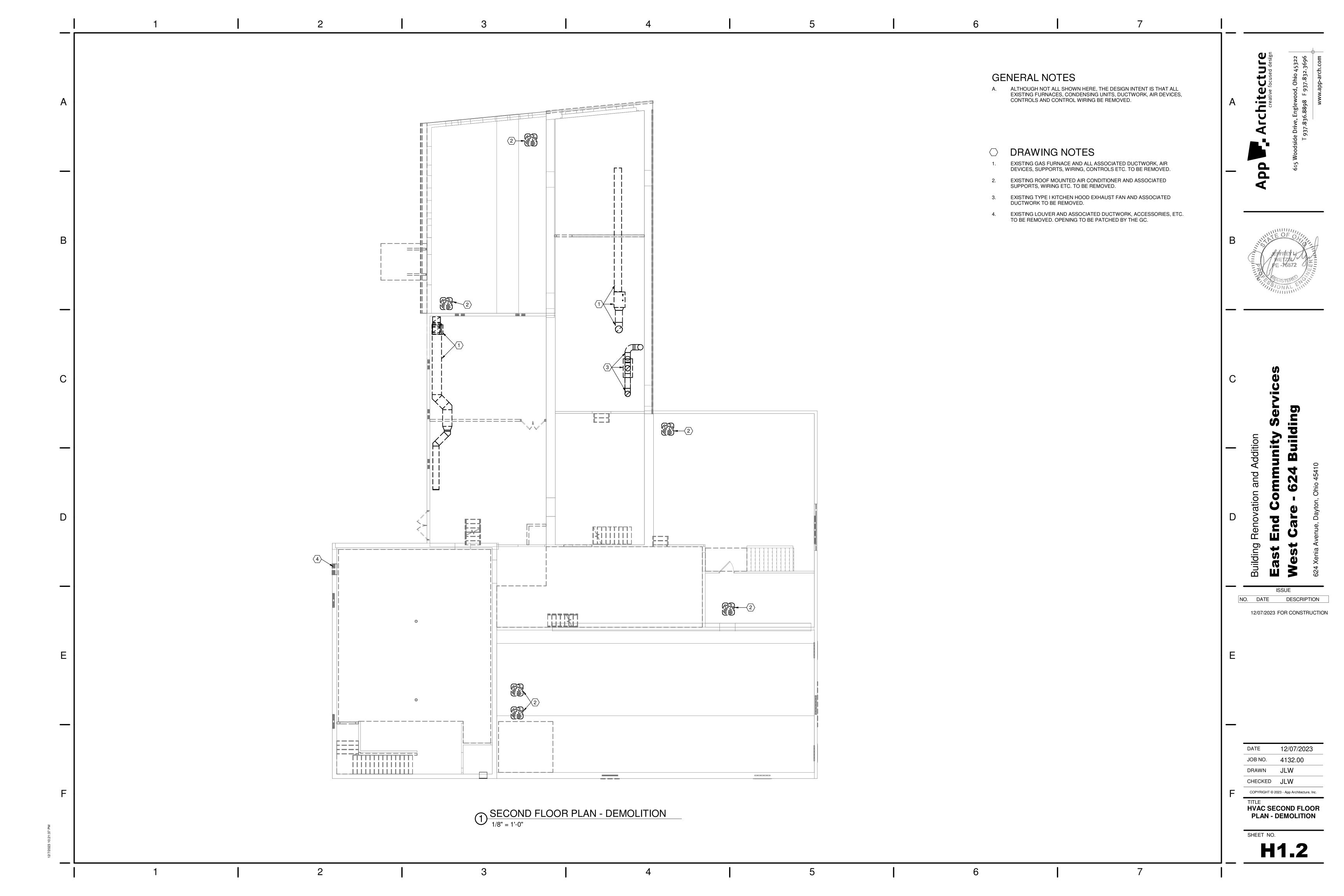
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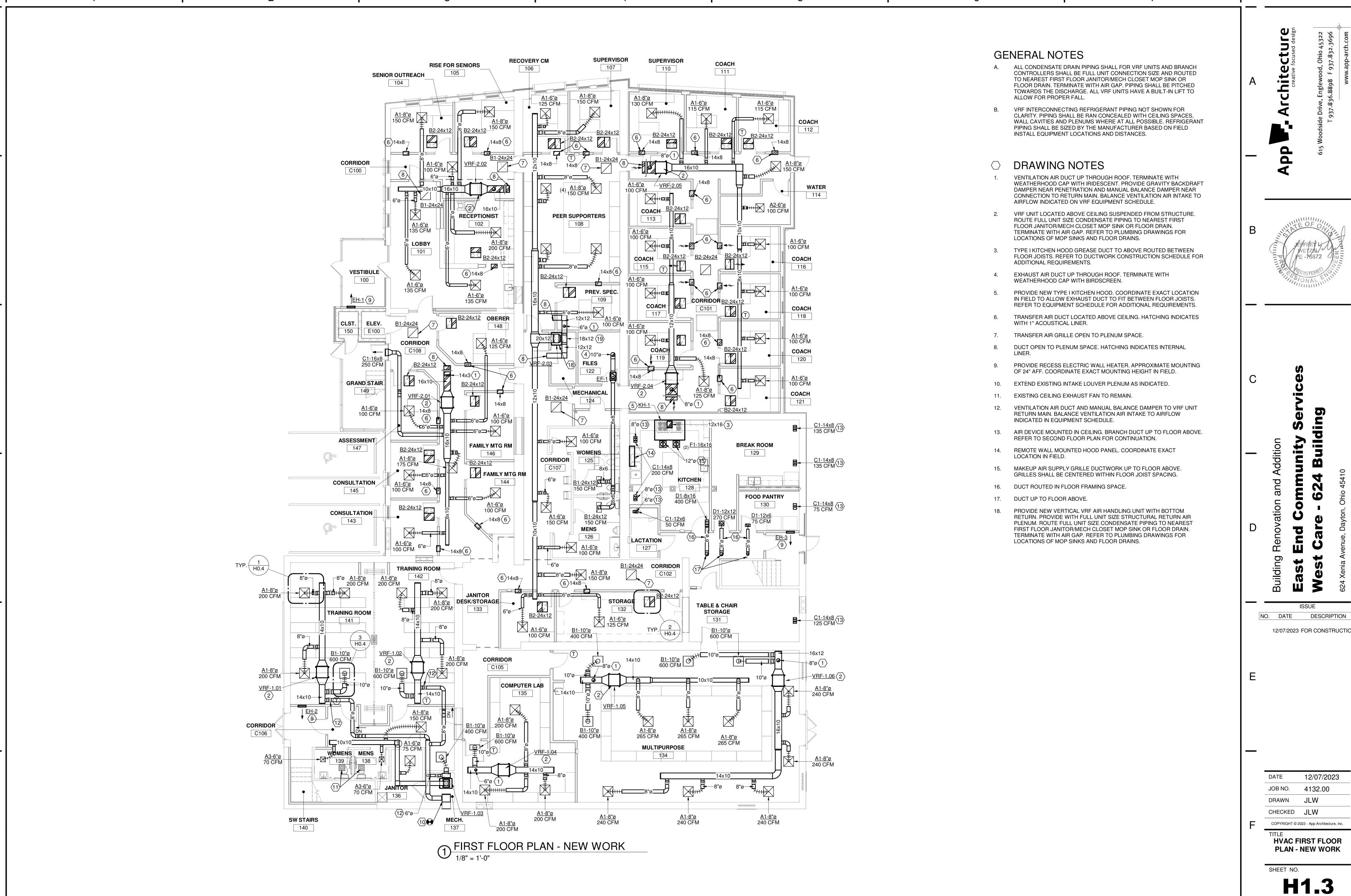
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**HVAC DETAILS** 

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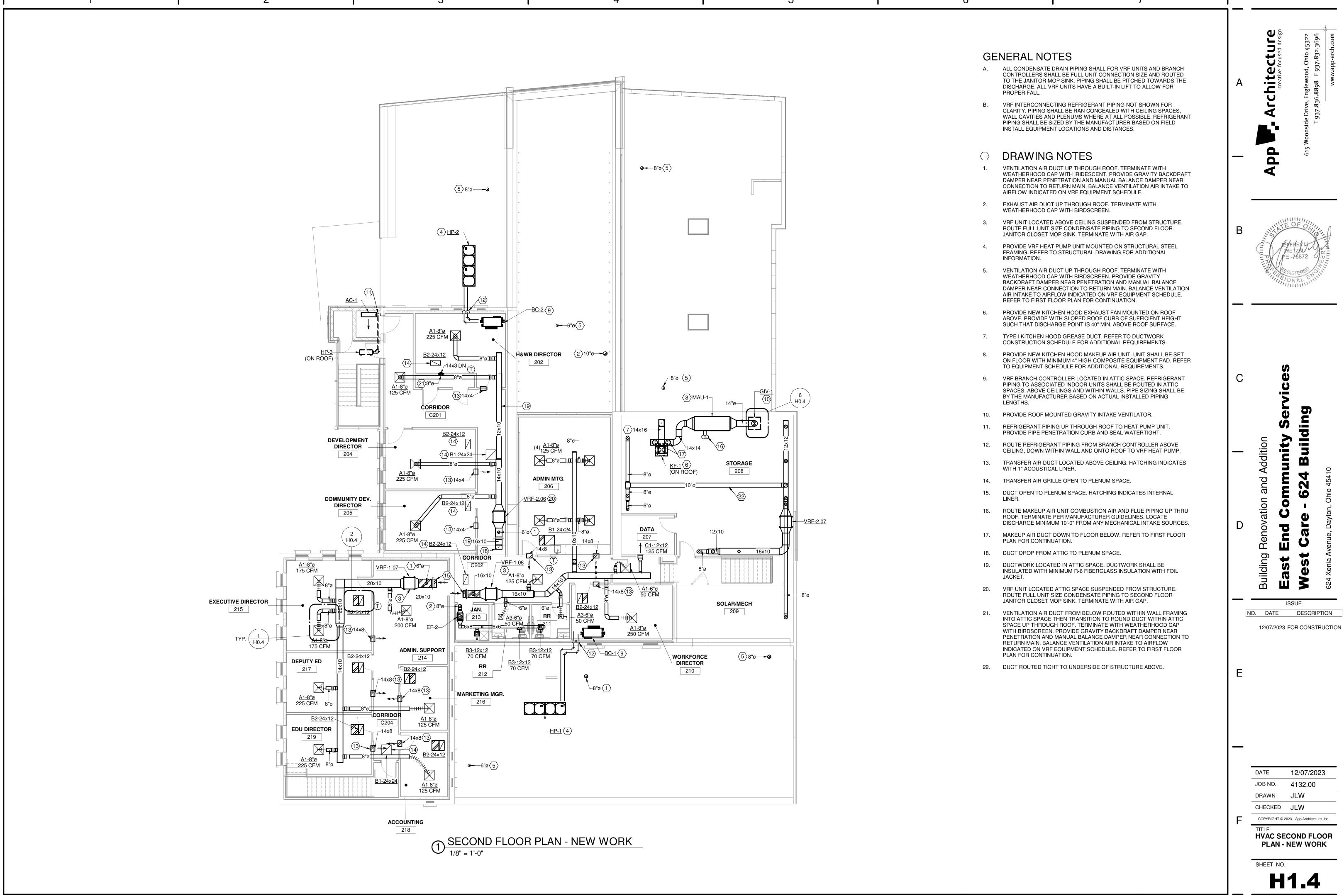
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**HVAC FIRST FLOOR PLAN - NEW WORK** 

SHEET NO.

H1.3





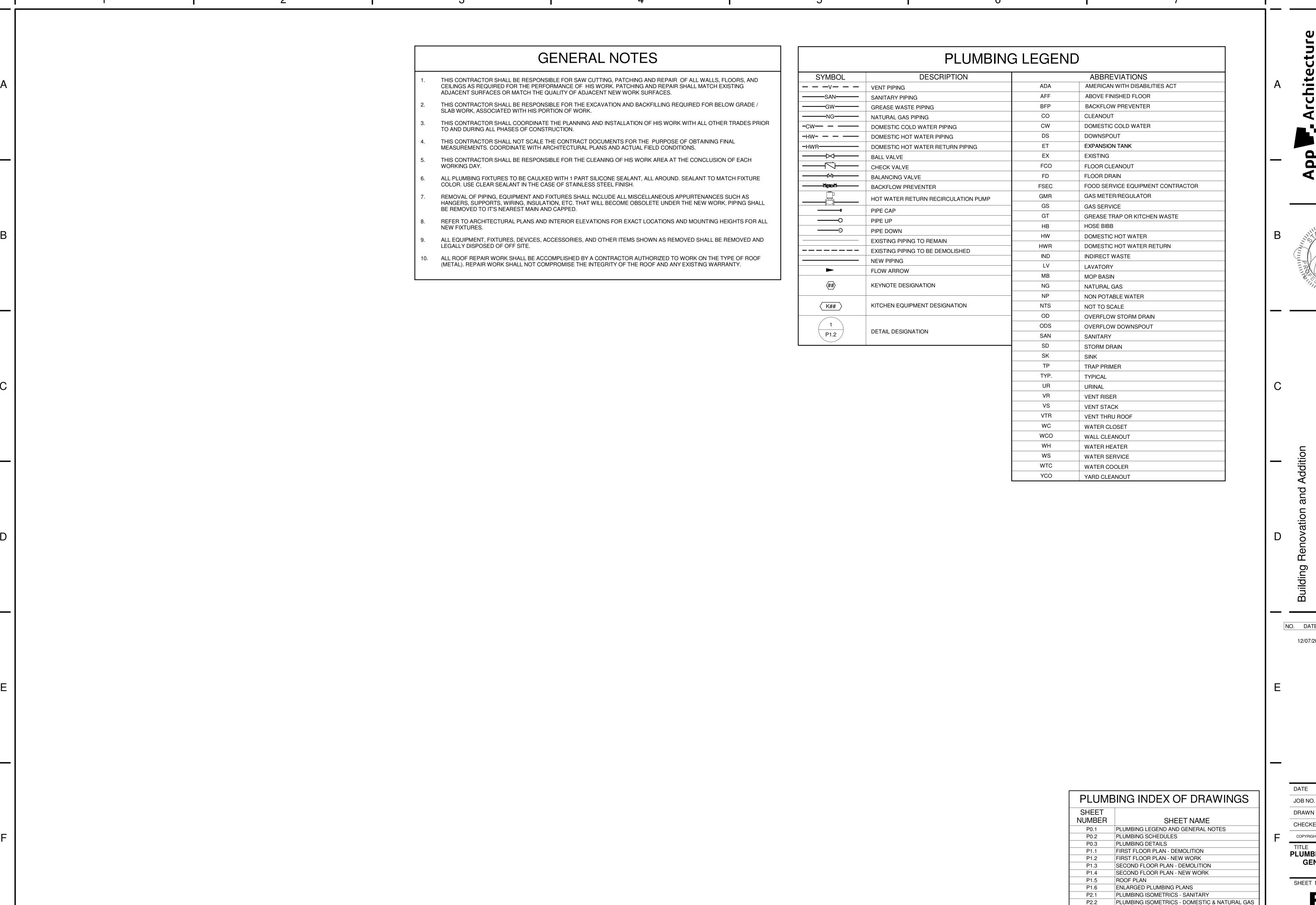
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**HVAC SECOND FLOOR PLAN - NEW WORK** 

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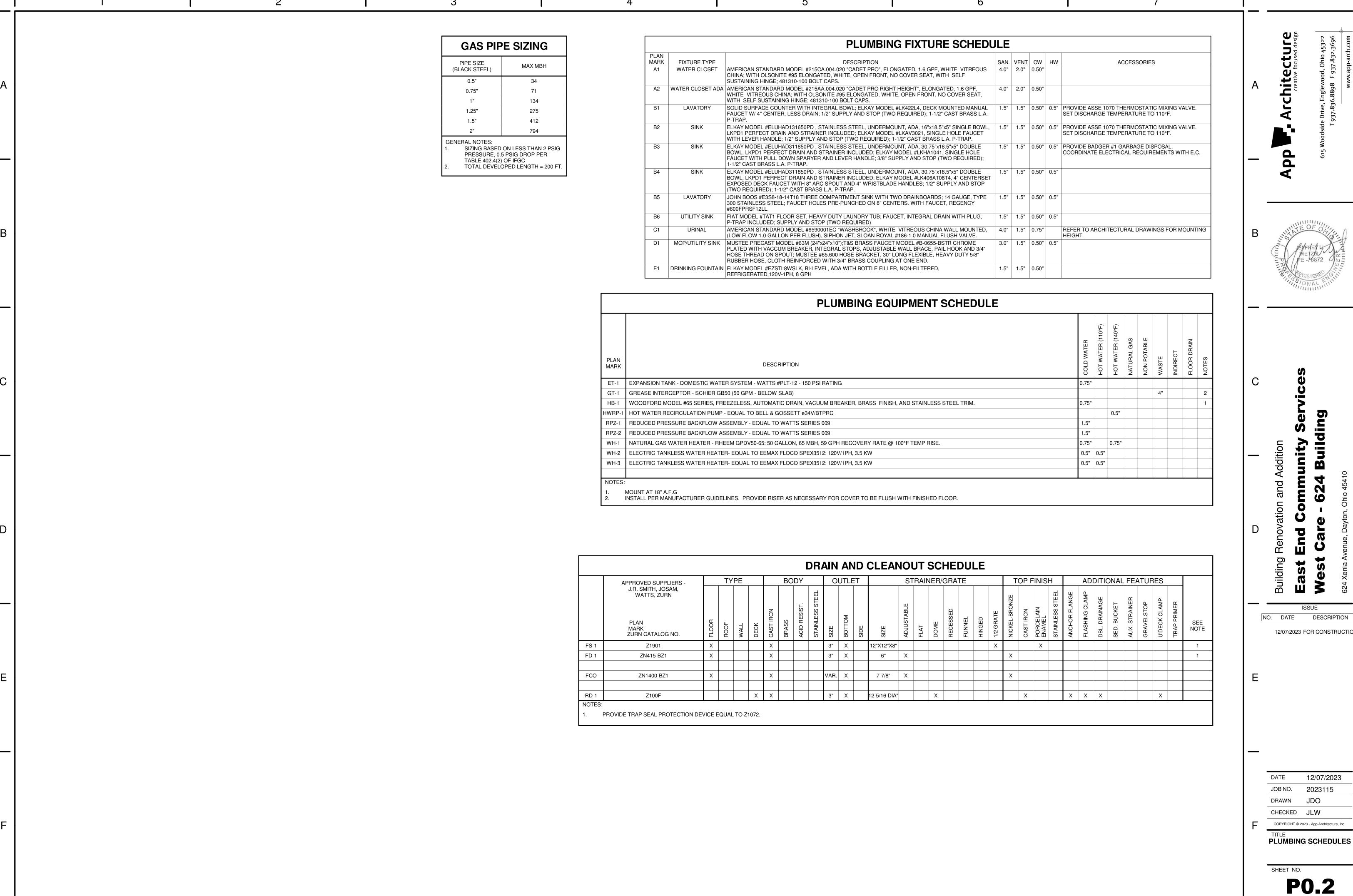


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PLUMBING LEGEND AND **GENERAL NOTES** 

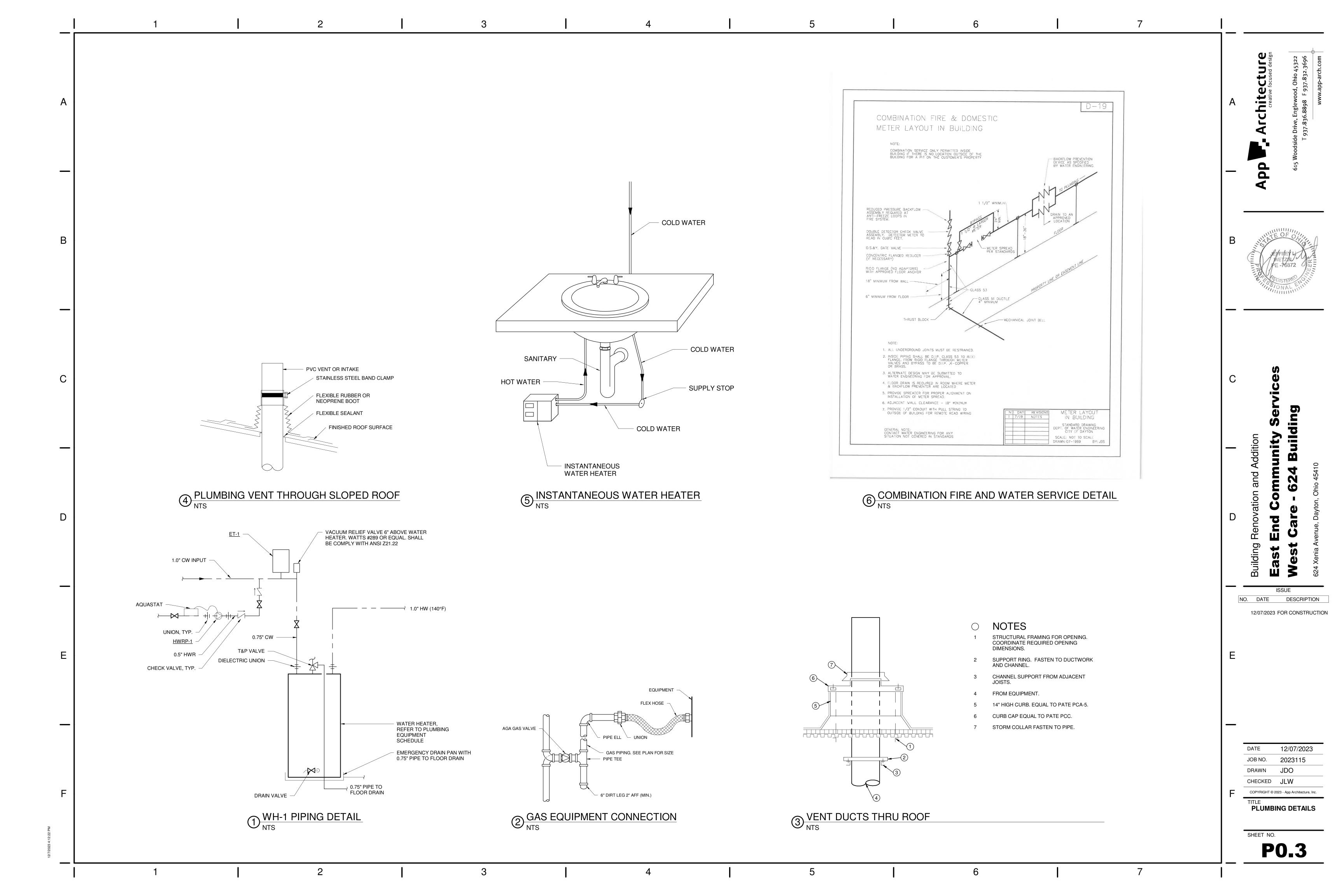


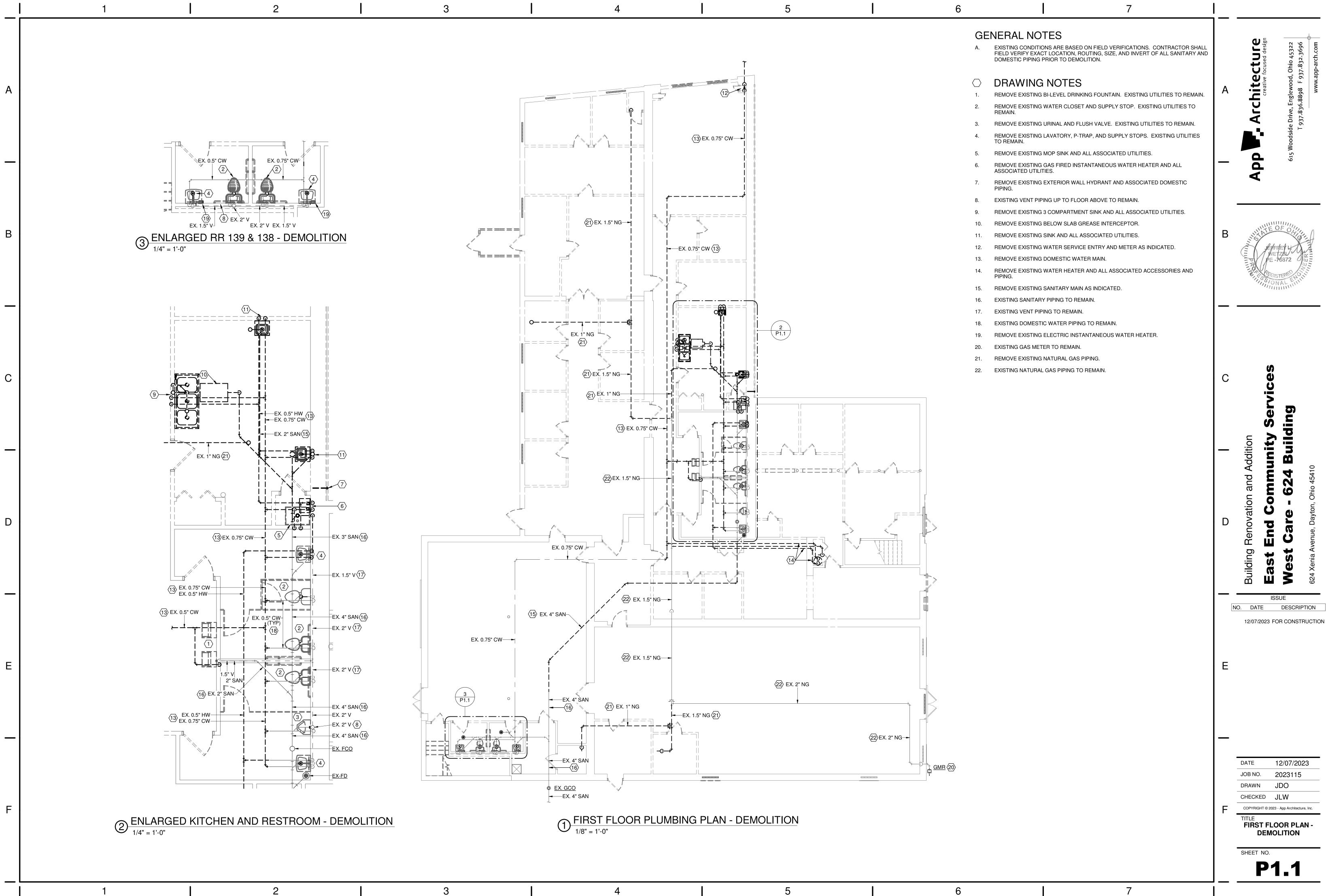
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**PLUMBING SCHEDULES** 





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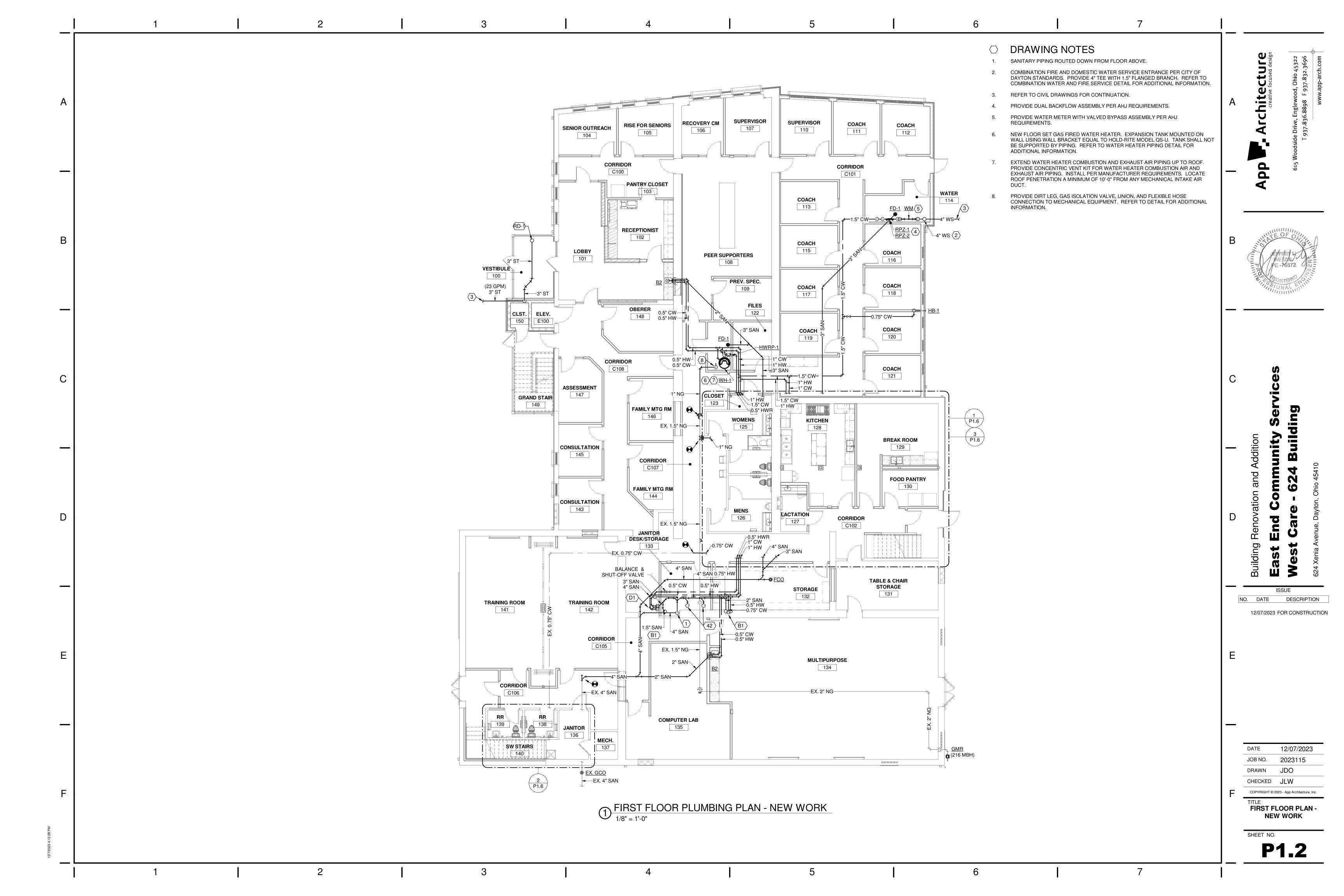
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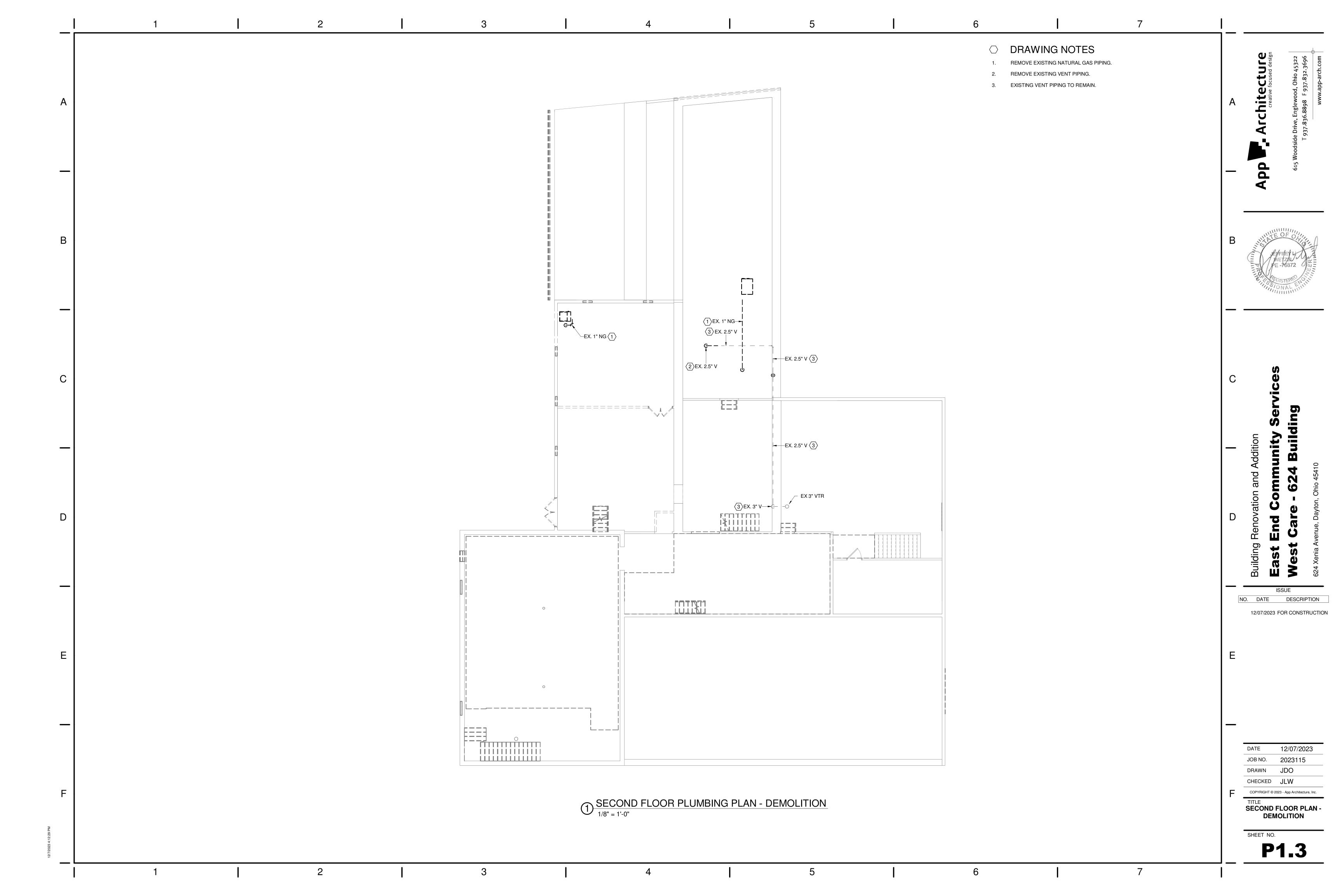
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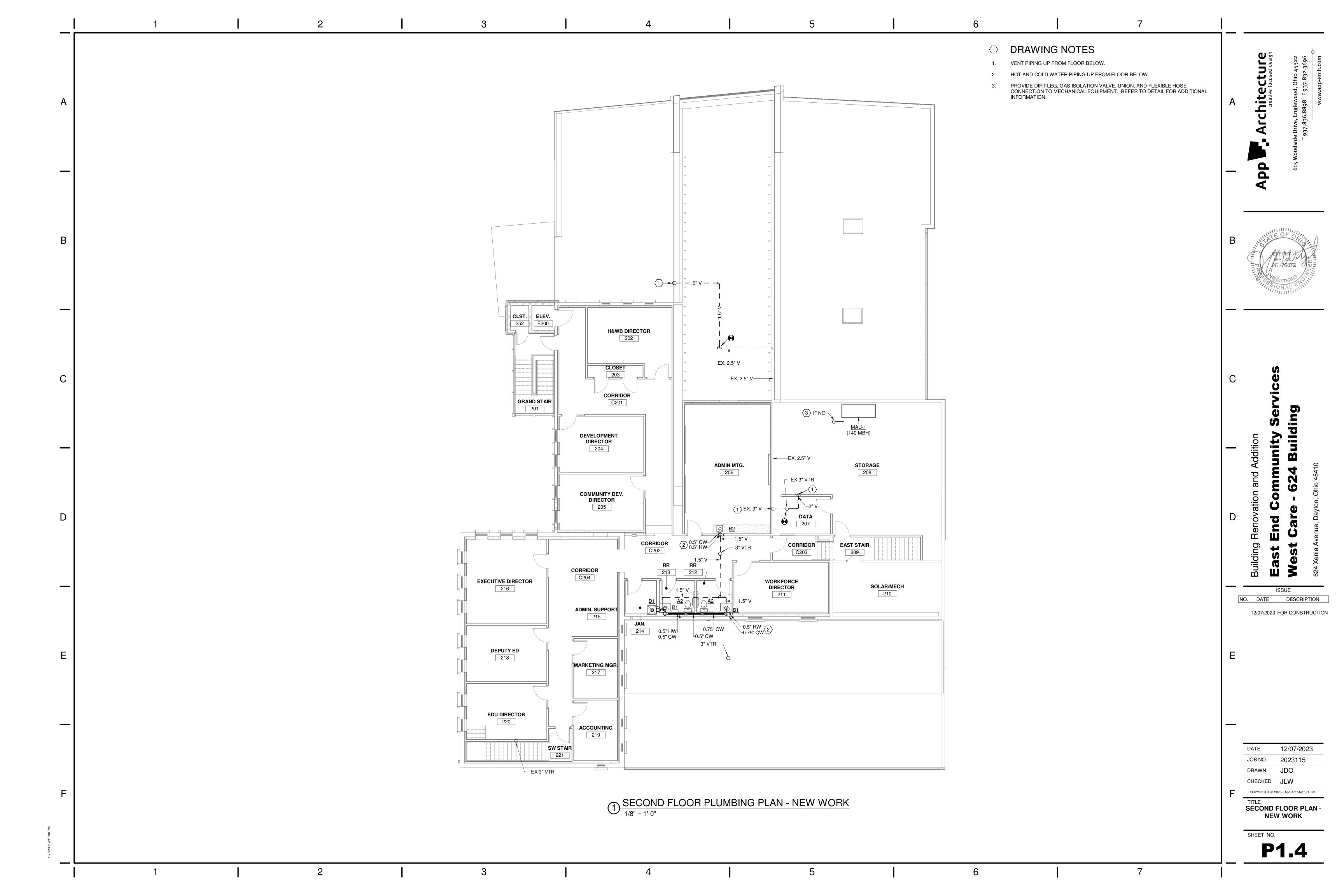
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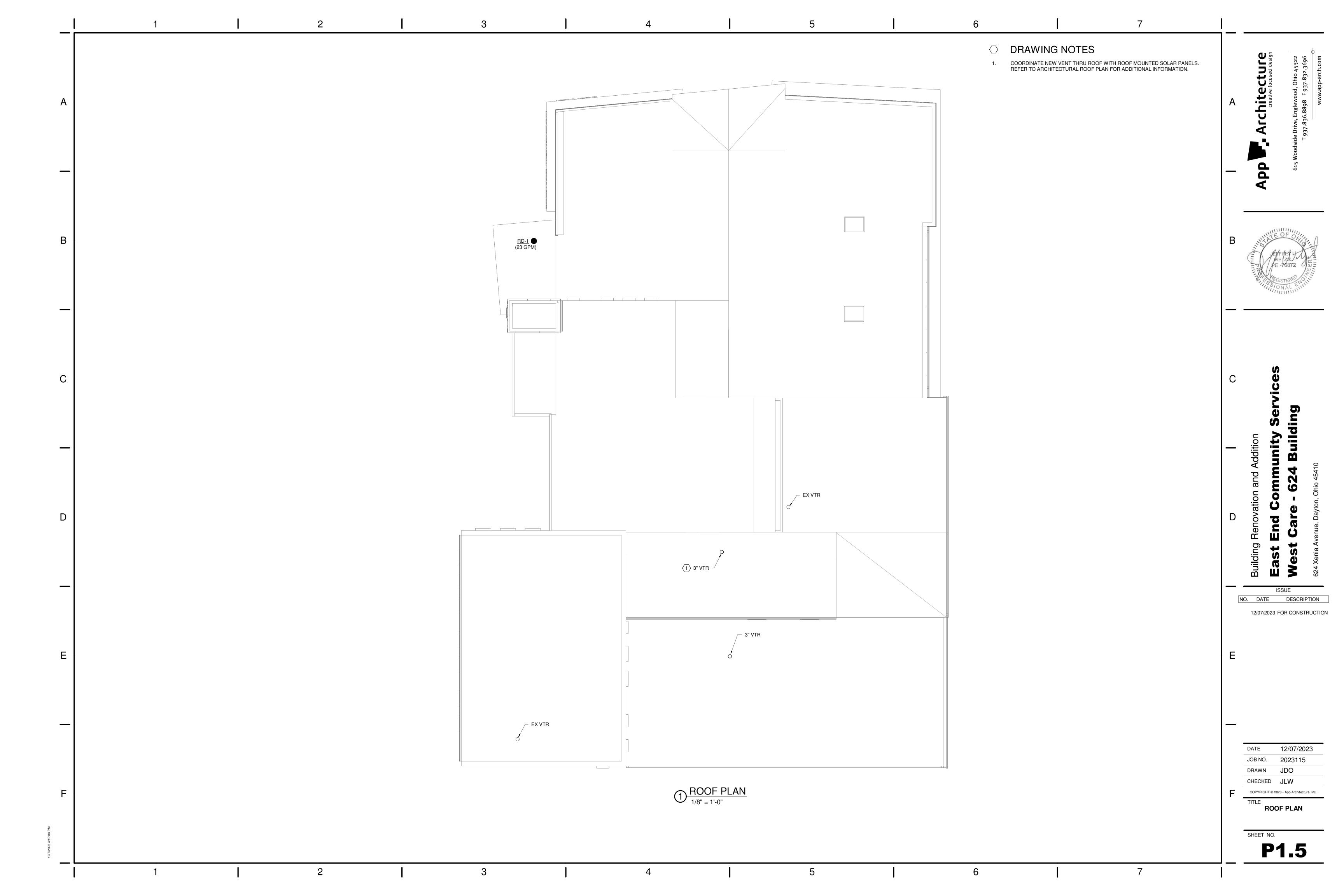
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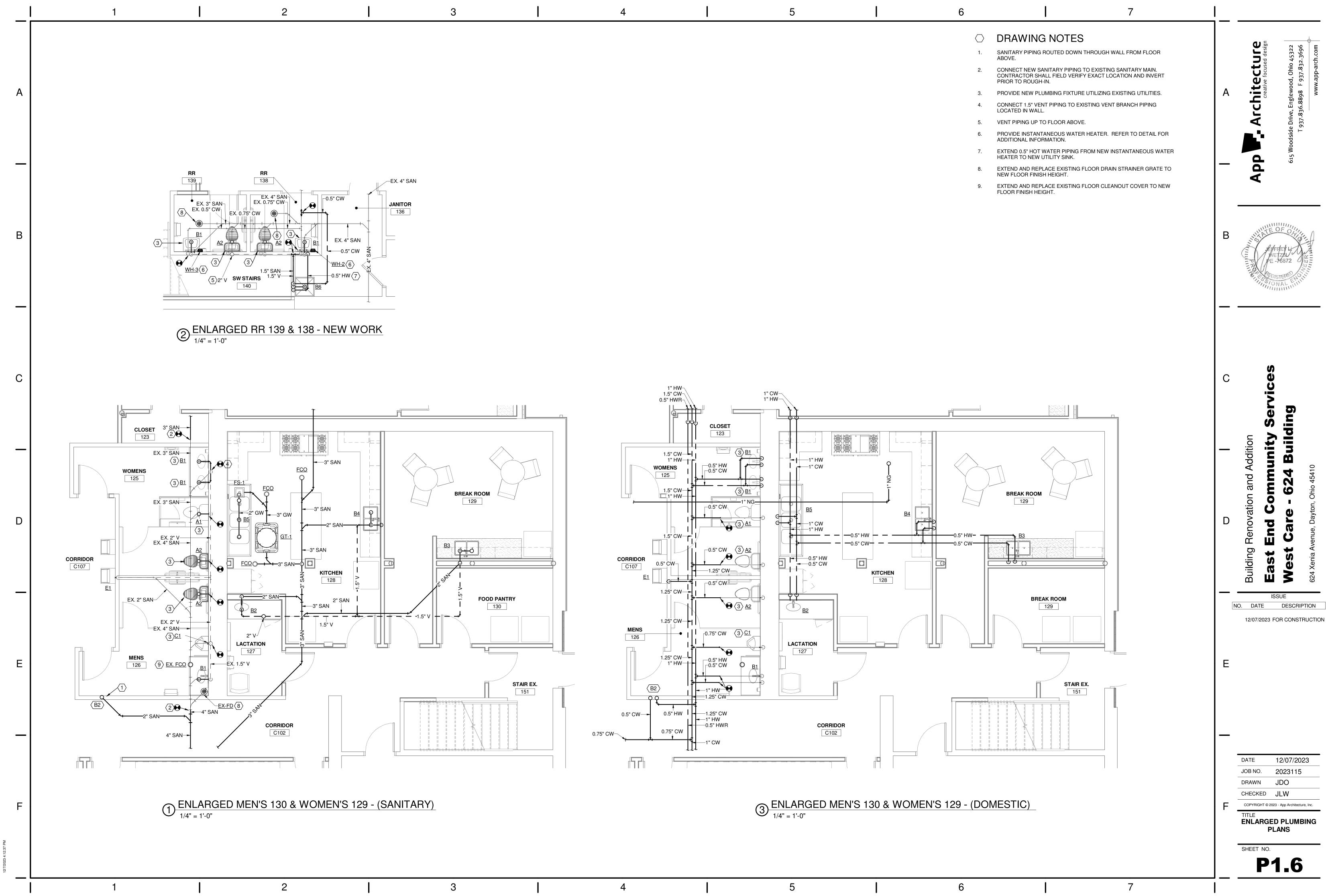
P1.1











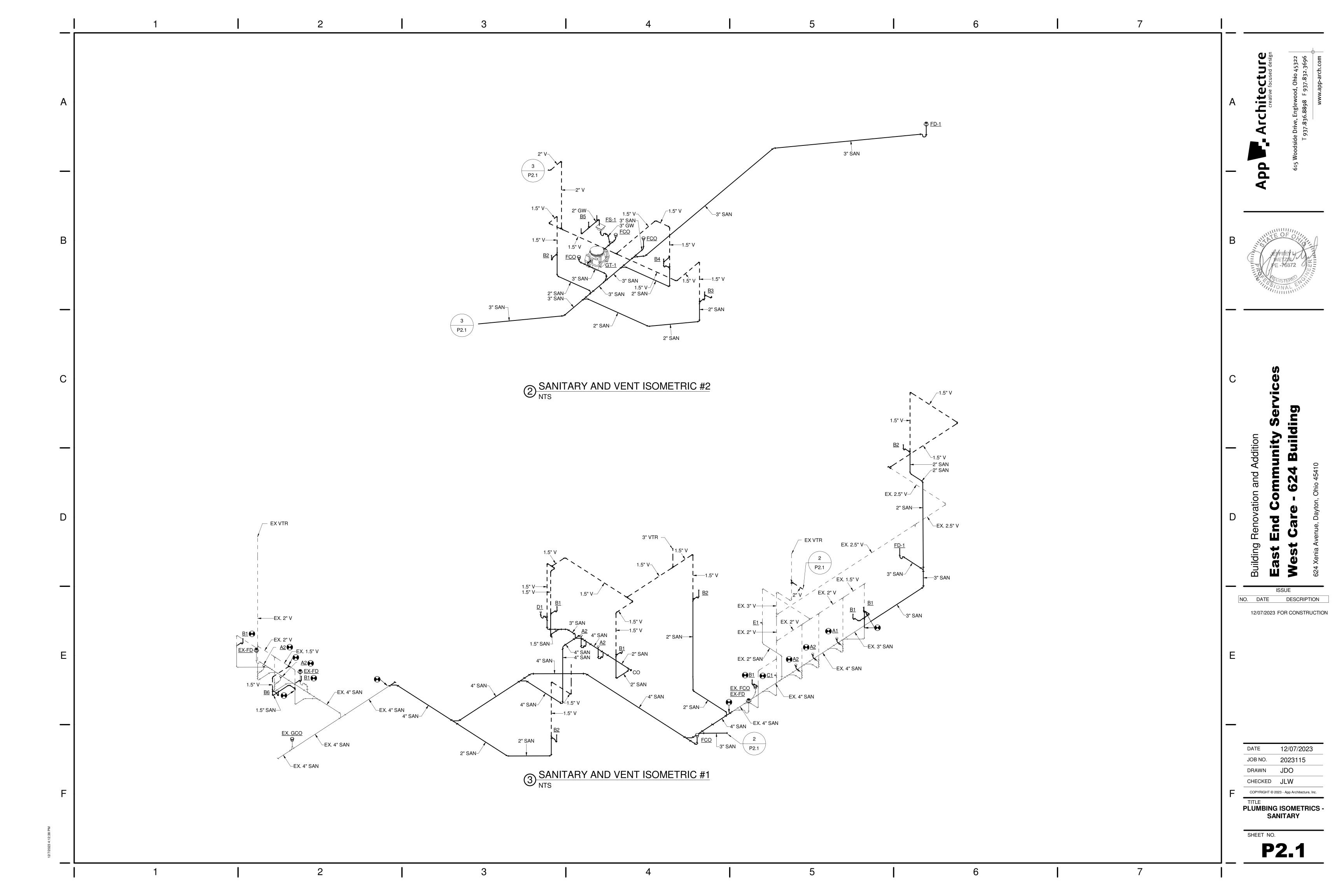
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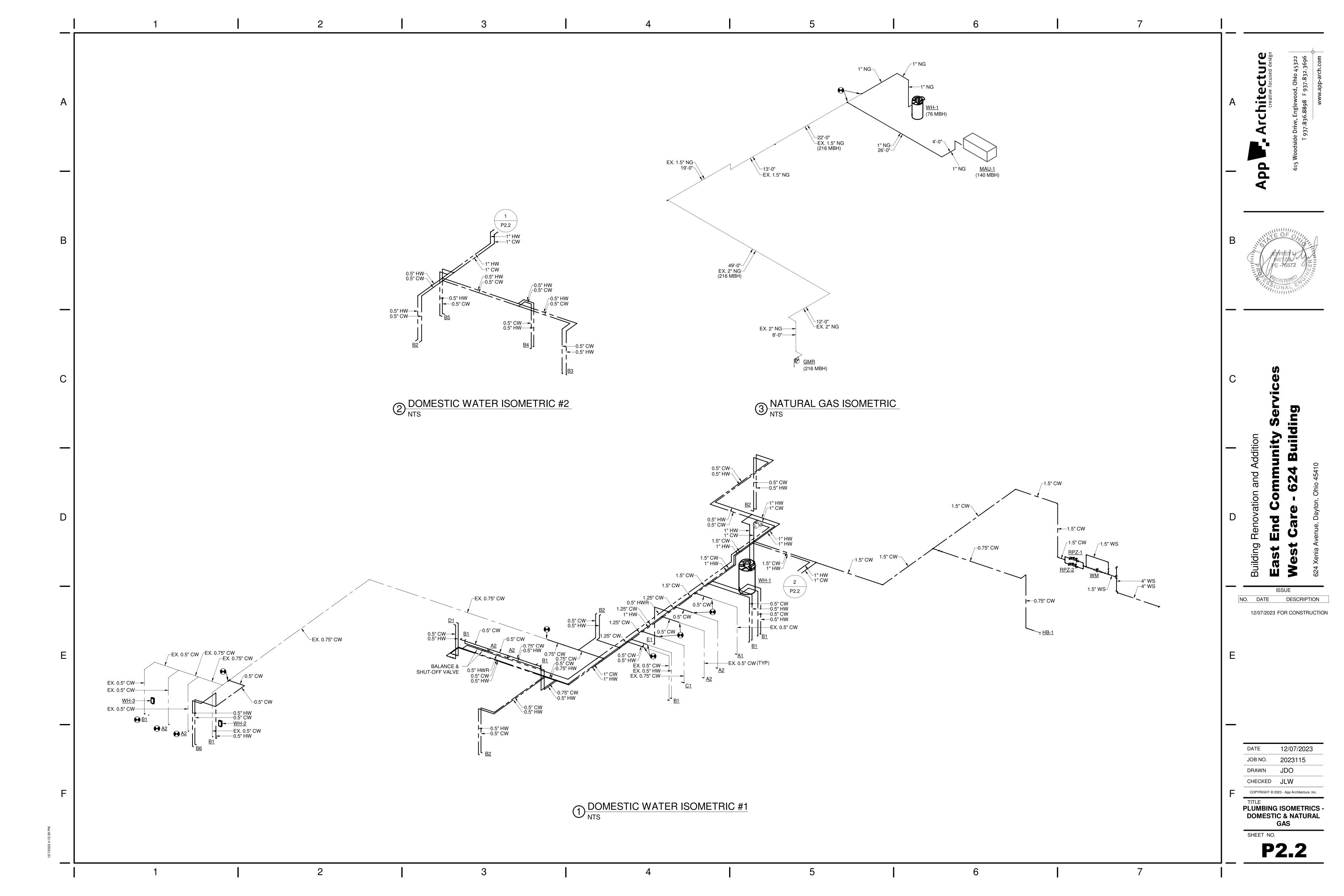
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ENLARGED PLUMBING **PLANS** 

P1.6





#### A. GENERAL:

- THE STRUCTURAL ENGINEER OF RECORD IS RESPONSIBLE FOR THE ADEQUACY OF THE STRUCTURAL DESIGN AS SHOWN IN THE CONTRACT DOCUMENTS WHICH DEPICT THE STRUCTURE IN ITS COMPLETED FORM. THE STRUCTURE IS DESIGNED TO BE CAPABLE OF WITHSTANDING CODE PRESCRIBED DESIGN FORCES AND FULLY STABLE WHEN THE STRUCTURE IS FULLY CONSTRUCTED (I.E., FULLY BUILT). IT IS SOLEY THE RESPONSIBILITY OF OTHERS TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AS WELL AS TO PROVIDE FOR THE SAFETY OF THE STRUCTURE AND ITS COMPONENTS PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS, TIE DOWNS, OR DE-WATERING WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THE COMPLETION OF THE PROJECT.
- IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- ALL ELEVATIONS GIVEN ON THE STRUCTURAL DRAWINGS ARE BASED ON THE GROUND FLOOR DATUM OF 100'-0" (U.N.O.).
- THE STRUCTURAL ENGINEER OF RECORD IS RESPONSIBLE FOR THE ADEQUACY OF THE STRUCTURAL DESIGN AS SHOWN IN THE CONTRACT DOCUMENTS WHICH DEPICT THE STRUCTURE IN ITS COMPLETED FORM. THE STRUCTURE IS DESIGNED TO BE CAPABLE OF WITHSTANDING CODE PRESCRIBED DESIGN FORCES AND FULLY STABLE WHEN THE STRUCTURE IS FULLY CONSTRUCTED (I.E., FULLY BUILT). IT IS SOLEY THE RESPONSIBILITY OF OTHERS TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AS WELL AS TO PROVIDE FOR THE SAFETY OF THE STRUCTURE AND ITS COMPONENTS PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS, TIE DOWNS, OR DE-WATERING WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THE COMPLETION OF THE PROJECT.
- STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH THE OTHER DRAWINGS RELEASED FOR THE PROJECT. CONTRACTOR TO COORDINATE, TO THE EXTENT POSSIBLE, SUCH INTERRELATIONSHIPS IN PROJECT SHOP DRAWINGS AND FIELD WORK.
- 6. DO NOT SCALE THESE DRAWINGS, USE DIMENSIONAL DATA PROVIDED.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FIRE RATING REQUIREMENTS, FIRE-PROOFING METHODS, AND FIRE-PROOFING MATERIALS FOR STRUCTUREAL MEMBERS.

## B. DELEGATED DESIGN / DEFERRED SUBMITTALS:

- DELEGATED DESIGN AND DEFERRED SUBMITTALS ARE ITEMS DESIGNED BY OTHERS. SHOP DRAWINGS AND CALCULATIONS SHALL BE GENERATED FOR THE DESIGN AND FABRICATION OF ALL DELEGATED DESIGN AND DEFERRED SUBMITTALS ITEMS INDICATED BELOW. THESE DRAWINGS AND CALCULATIONS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS TO BE CONSTRUCTED. FOR ITEMS INDICATED AS "DESIGNED BY THE CONTRACTOR", "DESIGNED BY SUPPLIER", "DESIGNED BY FABRICATOR" AND "DESIGNED BY INSTALLER", IF THESE ENTITIES ARE NOT PROVIDING THEIR OWN ENGINEERING WITH THEIR DESIGNS COMPLETED BY A PROFESSIONAL ENGINEER WHO WILL SEAL AND SIGN THEIR SUBMITTALS THEN THESE ENTITIES WILL INDEPENDENTLY CONTRACT A THIRD PARTY TO PROVIDE THIS SERVICE ON THEIR BEHALF. UNLESS SPECIFIED ON THE DRAWINGS OR IN THE SPECIFICATIONS, DELEGATED DESIGN ITEMS SHALL BE DESIGNED FOR ALL CODE DEFINED LOADS PLUS INDUSTRY STANDARD LOADS INCLUDING GRAVITY LOADS AND LATERAL LOADS DUE TO WIND AND SEISMIC. SEE THE RELEVANT SECTIONS OF THE GENERAL NOTES SHEETS FOR ADDITIONAL DESIGN REQUIREMENTS. CALCULATIONS SHALL INCLUDE REVIEW OF THE CAPACITIES OF ALL SUPPORTING STRUCTURAL ELEMENTS INCLUDING LOCAL STRESSES DUE TO THE CONNECTION METHODS SELECTED. ADDITIONALLY, THE CALCULATIONS AND DRAWINGS SHALL CLEARLY INDICATE THE MAGNITUDES AND DIRECTIONS OF THE LOADS IMPARTED ON THE SUPPORTING STRUCTURAL ELEMENTS. THE LOADING CRITERIA USED FOR DESIGN OF THE DELEGATED DESIGN SYSTEMS AND COMPONENTS SHALL BE CLEARLY INDICATED ON THE DRAWINGS AND CALCULATIONS, REGARDLESS OF WHETHER THEY ARE MANDATED BY THE ENGINEER OF RECORD BY WAY OF THE DRAWING AND SPECIFICATIONS OR DERIVED BY THE DESIGNER.
- TEMPORARY SHORING: FOUNDATIONS SHEET PILING, PILES AND LAGGING REQUIRED FOR INSTALLATION OF FOUNDATIONS AND FOUNDATION WALLS SHALL BE DESIGNED BY THE CONTRACTOR. EXCAVATIONS REQUIRED FOR FOUNDATION AND FOUNDATION WALL CONSTRUCTION NEXT TO EXISTING BUILDINGS, NEAR PROPERTY LINES AND NEAR OR OVER UTILITIES MUST BE CONSIDERED BY THE CONTRACTOR IN EVALUATING SHORING REQUIREMENTS.
- MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION COMPONENTS: ROOF-TOP UNITS DESIGN OF THE MECHANICAL UNIT CURB, CONNECTIONS OF THE UNIT TO THE CURB AND CONNECTIONS OF THE CURB TO STRUCTURE SHALL BE PROVIDED BY THE MECHANICAL UNIT CONTRACTOR. ADDITIONAL SUPPORT FRAMING FOR SUPPORTING THE GRAVITY AND LATERAL LOADS SHALL BE DESIGNED. ENGINEERED AND PROVIDED IF IT IS NOT INDICATED ON THE STRUCTURAL DRAWINGS. IF ADDITIONAL SUPPORT FRAMING IS PROVIDED, THE STRUCTURAL ADEQUACY SHALL BE VERIFIED FOR ALL ASCE 7-16 LOAD COMBINATIONS. SHOPS DRAWINGS AND CALCULATIONS PROVIDED BY THE MECHANICAL CONTRACTOR SHALL PROVIDE DETAILS INDICATING THESE CONNECTIONS. SUPPORT AND BRACING OF DUCTWORK, PIPING, CONDUIT AND CABLE TRAYS ASSOCIATED WITH MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION COMPONENTS SHALL BE PROVIDED BY THE CONTRACTOR INSTALLING THE COMPONENTS. FOR PROJECTS IN SEISMIC DESIGN CATEGORY C, D AND HIGHER, SEISMIC BRACING OF ALL MECHANICAL AND ELECTRICAL COMPONENTS REQUIRED BY THE ASCE 7-16 SHALL BE DESIGNED BY THE MECHANICAL CONTRACTOR AND CLEARLY INDICATED AND DETAILED ON THE SHOP DRAWINGS.
- ALL INTERIOR AND EXTERIOR STAIRS AND LANDINGS SHALL BE DESIGNED AND ENGINEERED BY THE STAIR FABRICATOR. CONNECTIONS TO STRUCTURE SHALL BE DESIGNED BY THE STAIR FABRICATOR AND CLEARLY INDICATED AND COMMUNICATED TO THE ENGINEER OF RECORD PRIOR TO FABRICATION. UNLESS INDICATED ON THE DRAWINGS, ADDITIONAL FOUNDATIONS REQUIRED FOR STAIR SUPPORT SHALL BE DESIGNED THE FABRICATOR. IF A FOUNDATION IS INDICATED ON THE STRUCTURAL DRAWINGS, THE ADEQUACY OF THE FOUNDATION SHALL BE VERIFIED FOR THE LOADS RESULTING FROM THE STAIR FABRICATORS DESIGN. THE STAIR FABRICATOR SHALL CLEARLY INDICATE THE LOCATION OF THESE FOUNDATIONS AND THEIR INTERRELATIONSHIP WITH FOUNDATION OF THE PRIMARY
- SUPPORTS FOR INTERIOR FINISHES AND ACCOUTERMENTS: INTERIOR PARTITIONS, SOFFITS AND STOREFRONT SYSTEMS NOT PART OF THE MAIN BUILDING SHELL SHALL BE DESIGNED BY THE SUPPLIER. SUPPORTS AND CONNECTION TO STRUCTURE REQUIRED FOR ARTWORK, SPECIALTY LIGHTING SYSTEMS, MONITORS, VIDEO EQUIPMENT AND PROJECTION SCREENS, TELEVISIONS AND ANY OTHER MISCELLANEOUS ITEMS SHALL BE PROVIDED BY THE SUPPLIER.
- WINDOWS, STOREFRONTS, GLAZING AND CURTAIN WALL SYSTEMS: ALL EXTERIOR AND INTERIOR GLAZING SYSTEMS AND THEIR CONNECTIONS TO STRUCTURE SHALL BE DESIGNED BY THE SUPPLIER. CONNECTION LOCATIONS SHALL BE CLEARLY INDICATED AND COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DETAILS.

DUE TO MOVEMENT OF THE STRUCTURAL FRAMING SYSTEMS FROM LATERAL WIND AND SEISMIC FORCES, THE GLAZING SYSTEM MUST BE DESIGNED TO ACCOMMODATE 3/4" HORIZONTAL STORY DRIFT IN EACH DIRECTION AT EACH STORY LEVEL. THE DESIGN STORY DRIFT IS THE DIFFERENCE IN LATERAL DISPLACEMENT OF THE TOP OF THE STORY UNDER CONSIDERATION RELATIVE TO THE BOTTOM OF THAT STORY (TOP OF THE STORY BELOW).

THE CONNECTIONS OF THE GLAZING SYSTEM TO STRUCTURE CAN BE DESIGNED FOR THIS RELATIVE HORIZONTAL MOVEMENT. THE CONNECTIONS SHALL BE DESIGNED FOR 3/4" HORIZONTAL (IN-PLANE) MOVEMENT IN ADDITION TO THE VERTICAL DEFLECTION REQUIREMENTS AS NOTED IN THE PLANS, DETAILS AND SPECIFICATIONS. IF THE CONNECTIONS ARE NOT DESIGNED FOR THE LATERAL MOVEMENT, THE GLAZING SYSTEM SHALL BE DESIGNED TO ACCOMMODATE 3/8" HORIZONTAL STORY DRIFT IN EACH DIRECTION AT EACH STORY LEVEL TO ACCOUNT FOR DIFFERENTIAL DISPLACEMENTS FROM LOAD REVERSALS IN THE STRUCTURAL SYSTEMS.

RAILING AND GUARDRAILS:

THE INTERIOR AND EXTERIOR RAILING AND GUARDRAILS SHALL BE DESIGN BY THE FABRICATOR. UNLESS SPECIFICALLY DETAILED ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS, THE FABRICATOR SHALL DESIGN THE CONNECTIONS TO STRUCTURE AND VERIFY THE CAPACITY OF THE RECEIVING STRUCTURAL ELEMENTS FOR LOADS DUE TO THEIR CONNECTIONS.

### C. SOIL/STRUCTURE INTERACTION & SOIL PREPARATION INFORMATION:

- DO NOT BACKFILL WALLS UNTIL CONCRETE HAS ATTAINED FOURTEEN (14) DAY STRENGTH OR LATERAL BRACING IS PROVIDED.
- FOUNDATIONS HAVE BEEN DESIGNED ASSUMING AN ALLOWABLE SOIL BEARING PRESSURE OF 1,500 POUNDS PER SQUARE FOOT (PSF) FOR SPREAD FOOTINGS FOR BUILDING COLUMNS AND CONTINUOUS FOOTINGS FOR BEARING WALLS. SOIL CONDITIONS SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER OR AN APPOINTED REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT. THE GEOTECHNICAL ENGINEER (OR REPRESENTATIVE) SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL.

### D. DESIGN LOADS:

#### CODE REFERENCES:

- OHIO BUILDING CODE (OBC) 2017 ASCE 7-16, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY, ACI 318 2017 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMMENTARIES, ACI 530 - 2016
- COLD-FORMED STEEL DESIGN MANUAL, AISI 2017
- SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AISI 2017 CATALOG OF STANDARD SPECIFICATIONS AND LOAD TABLES FOR STEEL JOISTS AND JOIST GIRDERS,
- STEEL JOIST INSTITUTE 2017 STEEL DECK INSTITUTE FLOOR DECK DESIGN MANUAL, 1st EDITION - MARCH 2014
- STEEL DECK INSTITUTE ROOF DECK DESIGN MANUAL, 1st EDITION MAY 2013
- STEEL DECK INSTITUTE DIAPHRAGM DESIGN MANUAL, 4th EDITION SEPTEMBER 2015
- STEEL DECK INSTITUTE MANUAL OF CONSTRUCTION WITH STEEL DECK OCTOBER 2016 STEEL DECK INSTITUTE STANDARD PRACTICE DETAILS - MAY 2001
- MANUAL OF STEEL CONSTRUCTION AISC, 15th EDITION 2017
- SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OF A490 BOLTS 01 AUGUST 2014 STRUCTURAL WELDING CODE - STEEL, ANSI/AWS D1.1 - 2015 FEMA 405 - NEHRP RECOMMENDED PROVISIONS FOR SEISMIC REGULATIONS FOR NEW BLDGS AND
- OTHER STRUCTURES 2015

## DEAD LOADS:

ROOF DEAD LOAD 20 PSF

### <u>LIVE LOADS:</u>

### FLOOR LIFE LOADS:

OCCUPANCY TYPES:	DISTRIBUTED LOADS	CONCENTRATED LOAD (ON 2.5 SF AREA
LOBBIES & 1ST FLR CORRIDORS CORRIDORS ABOVE 1ST FLOOR OFFICES LIGHT STORAGE STRAIRS AND EXIT WAYS	100 PSF 80 PSF 50 PSF 125 PSF 100 PSF	2,000 POUNDS 2,000 POUNDS 2,000 POUNDS 300 POUNDS (2" x 2" AREA)

### MINIMUM DESIGN ROOF LIVE LOAD

### **SNOW LOAD PARAMETERS:**

a.	GROUND SNOW LOAD, Pg	20 PSF
b.	FLAT-ROOF SNOW LOAD, Pf	14.0 PSF
C.	THERMAL FACTOR, Ct	1.0
d.	EXPOSURE FACTOR, Ce	1.0
e.	ROOF SLOPE FACTOR, Cs	1.0
f.	SNOW LOAD IMPORTANCE FACTOR, I	1.0

## WIND DESIGN PARAMETERS:

ULTIMATE DESIGN WIND SPEED = 115 MPH WIND LOAD IMPORTANCE FACTOR = 1.0 WIND EXPOSURE = EXPOSURE C MAIN WIND DESIGN VELOCITY PRESSURES:

HEIGHT (FT.)	WINDWARD WALL	<u>LEEWARD</u> <u>WALL</u>	SIDEWALLS
0 - 15	22.0 PSF	-17.8 PSF / -10.3 PSF	-22.8 PSF
15 - 20	22.9 PSF	-17.8 PSF / -10.3 PSF	-22.8 PSF
20 - 25	23.7 PSF	-17.8 PSF / -10.3 PSF	-22.8 PSF
25 - 30	24.5 PSF	-17.8 PSF / -10.3 PSF	-22.8 PSF

## **COMPONENT AND CLADDING - WALLS**

AREA (SQ. FT.)	INTERIOR ZONE	EDGE ZONE
10	30.8 PSF	37.9 PSF
100	26.6 PSF	29.4 PSF
200	25.4 PSF	27.0 PSF
500	23.7 PSF	23.7 PSF

# SEISMIC DESIGN PARAMETERS:

- OCCUPANCY CATEGORY
- IMPORTANCE FACTOR
- SEISMIC DESIGN CATEGORY: B
- RESPONSE MODIFICATION COEFFICIENT, R 0.2 SECOND DESIGN SPECTRAL RESPONSE, Sds
- 1.0 SECOND DESIGN SPECTRAL RESPONSE, Sd1 11.3%
- DEFLECTION AMPLIFICATION FACTOR, Cd ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
- SEISMIC FORCE-RESISTING SYSTEM: ORDINARY REINFORCED MASONRY SHEAR WALLS
- SEISMIC BASE SHEAR: V = Cs x WEIGHT

## E. REINFORCED CONCRETE

#### MATERIALS

- SEE SPECIFICATIONS FOR DETAILED REQUIREMENTS RELATED TO THE CONCRETE TO BE USED ON THIS
- STRUCTRUAL CONCRETE OVERVIEW SEE SPECS FOR SPECIFIC INFO

LOCATION	fc (PSI)
FOUNDATIONS AND GRADE BEAMS	3000
TYP. INTERIOR CONCRETE	4000
EXTERIOR CONCRETE EXPOSED TO DE-ICING	4500, 6% A
BACKFILL BELOW FOOTINGS,	1500

ALL DEFORMED REINFORCING BARS: FY = 60,000 P.S.I.

CONCRETE FILL IN STRUCTURES

WELDED WIRE FABRIC: ASTM A185

PROVIDE AT LEAST ONE COPY OF THE LATEST ACI FIELD REFERENCE MANUAL, SP-15, IN THE FIELD OFFICE AT ALL TIMES.

## CONTINGENCIES:

PROVIDE LEAN CONCRETE UNDER FOUNDATIONS FOR ACCIDENTAL OVER-EXCAVATION, SOFT SPOTS AND

## FOOTINGS, PIERS, WALLS AND SLABS:

- DOWELS IN FOOTINGS TO MATCH VERTICAL PIER OR WALL REINFORCING, U.N.O.
- PROVIDE CORNER BARS AT WALL AND FOOTING CORNERS TO MATCH HORIZONTAL REINFORCING, MINIMUM LENGTH OF EACH LEG - 45 BAR DIAMETERS. (PLACE AS PER DETAILS U.N.O.).
- PROVIDE 10 MIL. POLYETHYLENE VAPOR RETARDER AND 10" COMPACTED AGGREGATE SUBBASE MATERIAL ON TOP IN ACCORDANCE WITH THE TYPICAL SLAB DETAILS. UNDER ALL INTERIOR SLABS ON GRADE, VAPOR RETARDER SHALL BE CARRIED TO AND PLACED IN CONTACT W/RIGID INSULATION AT INTERIOR FACE OF EXTERIOR FOUNDATION WALLS. SEE SPECIFICATIONS FOR FURTHER INFORMATION.

### CONSTRUCTION JOINTS:

CONSTRUCTION JOINTS PERMITTED ONLY WHERE SHOWN OR AS APPROVED BY THE STRUCTURAL ENGINEER. ALL CONSTRUCTION JOINTS ARE TO BE KEYED.

### CHAMFER:

PROVIDE 3/4" CHAMFER AT ALL EXPOSED EDGES OF CONCRETE, U.N.O.

### MISCELLANEOUS:

SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR OPENINGS AND COORDINATE WORK WITH THE CONSTRUCTION MANAGER AND OTHER TRADES. IF OPENING IS NOT SHOWN ON THE STRUCTURAL DRAWINGS, OBTAIN PRIOR APPROVAL

## CONCRETE COVER:

U.N.O. DETAIL REINFORCING TO PROVIDE MINIMUM CONCRETE COVER AS FOLLOWS:

CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:	
No. 6 - No. No. 18 BARS	2 IN.
No. 5 BAR, W31 OR D31 WIRE, AND SMALLER	1 1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR IN CONTACT WITH GI SLABS, WALLS, AND JOISTS:	ROUND:
No. 14 AND No. 18 BARS	1 1/2 IN.
No. 11 BARS AND SMALLER	3/4 IN.
BEAMS AND COLUMNS:	
PRIMARY REINFORCEMENT, STIRRUPS, TIES AND SPIRALS	1 1/2 IN.
SURFACES EXPOSED TO LIQUIDS:	2 IN.
SLABS ON GRADE - 1/3 SLAB THICKNESS FROM TOP OF SLAB OR AS SHOWN	ON DRAWINGS

fc = 3000 PSI TENSION LAP SPLICE LENGTHS (INCHES) - TOP BARS (NOTES 1 AND 2)

BAR COVER (INCHES)		3/4			1 1/2			1 1/2	
BAR SPACING (INCHES)	2 1/2	4	>=6	2 1/2	4	>=6	2 1/2	4	>=6
#4	29	29	29	29	29	29	29	29	29
#5	36	36	36	36	36	36	36	36	36
#6	43	43	43	43	43	43	43	43	43
#7	69	69	69	66	63	63	66	63	63
#8	-	-	-	86	72	72	86	72	72
#9	_	_	_	109	81	63	109	81	81

## fc = 4000 PSI TENSION LAP SPLICE LENGTHS (INCHES) - TOP BARS (NOTES 1 AND 2)

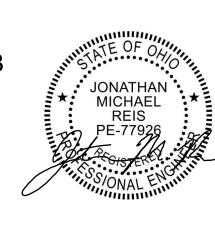
BAR COVER (INCHES)		3/4			1 1/2			1 1/2	
BAR SPACING (INCHES)	2 1/2	4	>=6	2 1/2	4	>=6	2 1/2	4	>=6
#4	25	25	25	25	25	25	25	25	25
#5	31	31	31	31	31	31	31	31	31
#6	37	37	37	37	37	37	37	37	37
#7	60	60	60	57	54	54	57	54	54
#8	-	-	-	74	62	62	74	62	62
#9	-	-	-	94	70	70	94	70	70

TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE

FOR BARS OTHER THAN TOP BARS, DIVIDE DEVELOPMENT LENGTH SPECIFIED IN TABLE BY 1.3.

- INTERPOLATE FOR SPLICE LENGTHS AS NECESSARY TENSION LAP SPLICES ARE BASED ON CLASS B. FOR CLASS A, DIVIDE BY 1.3. UNLESS NOTED OTHERWISE
- IN DRAWINGS, ASSUME ALL SPLICES AS CLASS B.
- IF SPLICE DIMENSION IS INDICATED IN DRAWINGS, PROVIDE LARGER SPLICE LENGTH. LAP SPLICE TABLES ARE BASED ON ACI 318002, SECTIONS 12.2.2, 12.2.3 & 12.14.2
  - VALUES SHOWN IN TABLE MAY BE LOWERED WITH Ktr IF TRANSVERSE REINFORCEMENT EXISTS PER





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12/07/2023 JOB NO. 2023115

**GENERAL NOTES** 

SHEET NO.

12/07/2023 CONSTRUCTION SET

DRAWN

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STRUCTURAL MEMBERS NOTED SHALL HAVE SECTION PROPERTIES AS INDICATED IN THE "PRODUCT

TECHNICAL INFORMATION" DOCUMENT BY STEEL STUD MANUFACTURERS ASSOCIATION (SSMA).

METAL DECK:

METAL DECK TO BE AS SHOWN ON THE DRAWINGS.

DO NOT SUSPEND PIPES OR DUCTS FROM ROOF DECK.

FOOT OF WIDTH LESS THAN THE FOLLOWING:

MECHANICAL DRAWINGS.

ANCHORAGE TO BE AS ASHOWN ON DRAWINGS & PER STEEL DECK INSTITUTE SPECS. UNO.

DECKING MANUFACTURER SHALL COORDINATE SIZE AND LOCATION OF ROOF OPENINGS WITH

FABRICATE DECK UNITS IN LENGTHS TO SPAN THREE OR MORE SUPPORT SPACINGS.

METAL ROOF DECK USED IN THE BUILDING SHALL NOT HAVE SECTION PROPERTIES PER

1.5" 20GA. TYPE B: lp=0.201 IN<sup>3</sup>, Sn=0.247 IN<sup>3</sup>."

## J. PREFABRICATED WOOD TRUSSES:

- 1. PREFABRICATED WOOD TRUSSES INCLUDE PLANAR STRUCTURAL UNITS CONSISTING OF METAL PLATE CONNECTED MEMBERS WHICH ARE FABRICATED FROM DIMENSION LUMBER AND WHICH HAVE BEEN CUT AND ASSEMBLED PRIOR TO DELIVERY TO THE JOB SITE. TYPES OF PREFABRICATED WOOD TRUSSES INCLUDE: COMMON DOUBLE PITCHED, COMMON SCISSORS, AND COMMON MONOPITCH.
- DO NOT REMOVE OR CUT ANY TRUSS MEMBERS.
- 3. DESIGN STANDARDS: DESIGN STANDARDS SHALL CONFORM WITH THE APPLICABLE PROVISION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", PUBLISHED BY NATIONAL FOREST PRODUCTS ASSOCIATION, AND THE "DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES", LATEST EDITIONS, PUBLISHED BY THE TRUSS PLATE INSTITUTE. LIVE LOAD DEFLECTION OF TRUSSES SHALL NOT EXCEED SPAN/360. TOTAL LOAD DEFLECTION OF TRUSSES SHALL NOT EXCEED SPAN/240.
- 4. ALL GIRDER TRUSSES SHALL BE DESIGNED WITHOUT THE REPETITIVE MEMBER STRESS INCREASE FOR BENDING, REGARDLESS OF THE NUMBER OF PLIES MAKING UP THE TRUSS.
- 5. INDIVIDUAL TRUSSES SHALL BE DESIGNED FOR COMPONENT AND CLADDING WIND LOAD, EXPOSURE C. TRUSSES SHALL BE DESIGNED FOR THE ACTUAL DEAD LOAD SPECIFIED IN COMBINATION WITH THE DESIGN WIND
- 6. CONNECTOR PLATES: ALL CONNECTOR PLATES SHALL BE A MINIMUM THICKNESS OF 0.036" AND SHALL BE MANUFACTURED FROM STEEL MEETING THE REQUIREMENTS OF ASTM A446 GRADE A, AND SHALL BE HOT DIP GALVANIZED ACCORDING TO ASTM A525 COATING DESIGNATION G60. IN HIGHLY CORROSIVE ENVIRONMENTS OR WHEN FIRE RETARDANT LUMBER IS SPECIFIED, STAINLESS STEEL CONNECTOR PLATES ARE REQUIRED IN LIEU OF GALVANIZED.
- 7. QUALITY CONTROL: LUMBER DEFECTS SUCH AS WANE OR KNOTS OCCURRING IN THE CONNECTOR PLATE AREA MUST NOT AFFECT MORE THAN 10% OF THE REQUIRED PLATE AREA OR NUMBER OF TEETH REQUIRED FOR EACH TRUSS MEMBER. CONNECTOR PLATES SHALL BE APPLIED TO BOTH FACES OF TRUSS AT EACH JOINT, AND SHOULD PROVIDE FIRM EVEN CONTACT BETWEEN THE WOOD AND THE PLATE. ALL WOOD MEMBERS SHALL BE ACCURATELY CUT AND FABRICATED SO THAT ALL MEMBERS HAVE GOOD BEARING AND COMPLETED TRUSS UNITS ARE UNIFORM. SEE THE TRUSS PLATE INSTITUTE "QUALITY STANDARD FOR METAL PLATE CONNECTED WOOD TRUSSES, QST-88" FOR TOLERANCES AND OTHER SPECIAL REQUIREMENTS.
- 8. ERECTION: ERECT AND BRACE TRUSSES TO COMPLY WITH RECOMMENDATIONS OF MANUFACTURER AND THE TRUSS PLATE INSTITUTE. ERECT TRUSSES WITH PLANE OF TRUSS WEBS VERTICAL (PLUMB) AND PARALLEL TO EACH OTHER, LOCATED ACCURATELY AT SPACINGS INDICATED. HOIST UNITS IN PLACE BY MEANS OF LIFTING EQUIPMENT SUITED TO SIZES AND TYPES OF TRUSSES REQUIRED, APPLIED AT DESIGNATED LIFT POINTS AS RECOMMENDED BY FABRICATOR, EXERCISING CARE NOT TO DAMAGE TRUSS MEMBERS OR JOINTS BY OUT-OF-PLANE BENDING OR OTHER CAUSES.
- 9. FABRICATORS QUALIFICATIONS: PROVIDE TRUSSES BY A FIRM WHICH HAS A RECORD OF SUCCESSFULLY FABRICATING TRUSSES SIMILAR TO TYPE INDICATED AND WHICH COMPLIES WITH THE FOLLOWING REQUIREMENTS FOR QUALITY CONTROL: FABRICATOR PRACTICES A QUALITY CONTROL PROGRAM WHICH COMPLIES WITH, OR IS COMPARABLE TO, ONE PUBLISHED IN TPI "QUALITY CONTROL STANDARD" AND WHICH INVOLVES INSPECTION BY AN INDEPENDENT INSPECTION AND TESTING AGENCY ACCEPTABLE TO THE ENGINEER AND AUTHORITIES HAVING JURISDICTION.
- BRACING: ALL TRUSSES MUST BE SECURELY BRACED BOTH DURING ERECTION AND AFTER PERMANENT INSTALLATION IN A BUILDING IN ACCORDANCE WITH "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES, D SB-89" AND "HANDLING INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES, HIB-89" AS PUBLISHED BY TRUSS PLATE INSTITUTE. ERECTION BRACING SHALL HOLD TRUSSES STRAIGHT AND PLUMB AND IN SAFE CONDITION UNTIL DECKING AND PERMANENT TRUSS BRACING HAS BEEN FASTENED FORMING A STRUCTURALLY SOUND ROOF FRAMING SYSTEM. ALL ERECTION AND PERMANENT BRACING SHALL BE INSTALLED AND ALL TRUSSES PERMANENTLY FASTENED BEFORE APPLICATION OF ANY LOADS. PERMANENT STRUCTURAL BRACING TO ENSURE OVERALL RIGIDITY OF THE ROOF SYSTEM SHALL BE IN ACCORDANCE WITH THE ARCHITECTURAL/ENGINEERING PLANS FOR THE BUILDING STRUCTURE AND THE TRUSS DESIGN DRAWINGS. SEE TRUSS DESIGN DRAWINGS FOR ANY ADDITIONAL SPECIAL BRACING REQUIREMENTS. DESIGN OF ALL PERMANENT BRACING AND ANCHORAGES SHALL BE BY THE TRUSS DESIGNER. MATERIALS USED IN BRACING ARE TO BE FURNISHED BY THE ERECTION CONTRACTOR.
- 1. SHOP DRAWINGS: SUBMIT SHOP DRAWINGS SHOWING SPECIES, SIZES AND STRESS GRADES OF LUMBER TO BE USED; PITCH, SPAN, CAMBER, CONFIGURATION, AND SPACING FOR EACH TYPE OF TRUSS REQUIRED; TYPE, SIZE, MATERIAL, FINISH, DESIGN VALUE, AND LOCATION OF METAL PLATES, INCLUDING BEARING AND ANCHORAGE DETAILS. PROVIDE SHOP DRAWINGS WHICH HAVE BEEN SIGNED AND SEALED BY A STRUCTURAL ENGINEER LICENSED TO PRACTICE IN THE STATE WHERE TRUSSES ARE TO BE INSTALLED.

MASONRY OPENINGS 8" AND LESS MAY BE PROVIDED. ANY VERTICAL BARS INTERRUPTED SHALL BE

RECORD PRIOR TO INSTALLATION. <u>NEVER CUT BOND BEAM BARS</u> IN HOLES FOR OTHERS WITHOUT

REPLACED WITH FULL HEIGHT VERTICAL BARS EACH SIDE OF OPENING. ANY OPENINGS

GROUT UNDER BEARING PLATES TO BE NON-SHRINKING, NON-METALLIC TYPE.

A MESH SCREEN SHALL BE PLACED BELOW ALL BOND BEAMS TO CONTAIN GROUT.

APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

PLASTIC.

GREATER THAN 8" SHALL BE COORDINATED AND APPROVED BY STRUCTURAL ENGINEER OF

SET BEARING PLATES IN BOND BEAMS AFTER THE GROUT IS PLACED, BUT WHILE IT IS STILL

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GENERAL NOTES

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	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	STANDARD		
I. MATERIAL IE NUTS, AND W <i>A</i>	DENTIFICATION AND TESTING OF HIGH-STRENGTH BOLTS, ASHERS:					
a.	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		x	AISC 360: SECTION A3.3 AND		
b.	MANUFACTURE'S CERTIFICATE OF COMPLIANCE REQUIRED.		×	APPLICABLE ASTM MATER STANDARDS		
C.	TESTING OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS.					
. INSPECTION	N OF HIGH-STRENGTH BOLTING:					
a.	SNUG-TIGHT JOINTS.		V			
b.	PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN- OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF I NSTALLATION.		x x	AISC 360: SECTION M2.5		
C.	PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	x				
MATERIAL II OLD-FORMEI	DENTIFICATION AND TESTING OF STRUCTURAL STEEL AND DECK:					
a.	FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360.		×	AISC 360: SECTION N2.1 AND		
b.	FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		x	APPLICABLE ASTM MATERIAL STANDARDS		
C.	MANUFACTURER'S CERTIFIED TEST REPORTS.		X			
d.	TESTING OF UNIDENTIFIED STEEL.					
	DENTIFICATION OF WELDING CONSUMABLES AND VELDED ELEMENTS:					
a.	IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.		x			
b.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		x	AISC 360: A3.5, N3.2, & N5.5 AND APPLICABLE AWS A5 DOCUMENTS		
C.	NONDESTRUCTIVE TESTING OF WELDED JOINTS.					
INSPECTION	N OF WELDING:					
a.	STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:					
	i. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	x				
	ii. MULTIPASS FILLET WELDS.	X				
	iii. SINGLE-PASS FILLET WELDS > 5/16"	Х		AISC 360: J2, M2.4 & M4.5		
	iv. PLUG AND SLOT WELDS.	X		AWS D1.1 & AWS D1.8		
	v. SINGLE-PASS FILLET WELDS 5/16" OR LESS.		x			
	vi. FLOOR AND ROOF DECK WELDS.		x	AWS D1.3, SDI QA/QC		
	vii. END-WELDED STUDS.		x	AWS D1.1		
	viii. WELDED SHEET STEEL FOR COLD-FORMED FRAMING MEMBERS.		x	AWS D1.3		
b.	REINFORCING STEEL:					
	i. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706		×			
	ii. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF	х		AWS D1.4, ACI 318: 18.2.8, 25.5.7.4 & 26.6.4.1		
	CONCRETE AND SHEAR REINFORCEMENT.			20.0.7.1 & 20.0.1.1		
		x		20.0.777 & 20.0.777		
	CONCRETE AND SHEAR REINFORCEMENT.	x 	 x	20.0.111 & 20.0.111		
	CONCRETE AND SHEAR REINFORCEMENT.  iii. SHEAR REINFORCEMENT.	x 	 x 	20.0.111 & 20.0.111		
. INSPECTION	CONCRETE AND SHEAR REINFORCEMENT.  iii. SHEAR REINFORCEMENT.  iv. OTHER REINFORCING STEEL.			20.0.111 & 20.0.111		
. INSPECTION a.	CONCRETE AND SHEAR REINFORCEMENT.  iii. SHEAR REINFORCEMENT.  iv. OTHER REINFORCING STEEL.  v. TESTS OF REINFORCING BARS.			20.0.111 & 20.0.111		
	CONCRETE AND SHEAR REINFORCEMENT.  iii. SHEAR REINFORCEMENT.  iv. OTHER REINFORCING STEEL.  v. TESTS OF REINFORCING BARS.  N OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:			AISC 360: N5.8		

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.		х	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING:				
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706;		x	AWO D4 4	
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16";		x	AWS D1.4 ACI 318: 26.6.4	
c. INSPECT ALL OTHER WELDS.	x			
3. INSPECT ANCHORS CAST IN CONCRETE.		х	ACI 318: 17.8.2	
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.  a. ADHESIVE ANCHORS INSTALLED IN	X		ACI 318: 17.8.2.4	
HORIZONTALLY OR UPWARDLY INCLINDED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.				
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT IDENTIFIED IN 4.a		х	ACI 318: 17.8.2	
5. VERIFY USE OF REQUIRED DESIGN MIX.		х	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	х		ASTM C172, ASTM C31 ACI 318: 26.4, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	х		ACI 318: 26.5	1908.6 - 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		х	ACI 318: 26.5.3-26.5.5	1908.9
9. INSPECT PRE-STRESSED CONCRETE FOR:				
a. APPLICATION OF PRE-STRESSING FORCES;	X		ACI 318: 26.10	
b. GROUTING OF BONDED PRE-STRESSING TENDONS	x			
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.		х	ACI 318: 26.9	
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STUCTURAL SLABS.		х	ACI 318: 26.11.2	
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		х	ACI 318: 26.11.1.2(b)	

## TABLE 1705.6 REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		х
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		x
3. PERFOM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		х
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		х

## SPECIAL INSPECTION PROGRAM NOTES:

- 1. PERIODIC INSPECTION FREQUENCY DETERMINED BY THE DESIGN PROFESSIONAL, UNLESS NEEDED OTHERWISE.
- CONTINUOUS OR PERIODIC SELECTION TO BE MADE BY THE DESIGN PROFESSIONAL BASED ON BUILDING CATEGORY AND DESIGN METHODOLOGY. SPECIAL INSPECTION/TESTING PROGRAM.

## SPECIAL INSPECTION / TESTING PROGRAM

- THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL FOR THE INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION STIPULATED.
- IF NECESSARY, THE CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING WITH THE ARCHITECT, ENGINEER, BUILDING OFFICIAL, AND TESTING AGENCY TO REVIEW THE SPECIAL INSPECTION REQUIREMENTS.
- 3. DUTIES OF THE SPECIAL INSPECTOR INCLUDE, BUT ARE NOT LIMITED TO:
  - A. ACKNOWLEDGE AND CONFORM TO THE SPECIAL INSPECTION REQUIREMENTS OF OBC.
  - B. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK FOR CONFORMANCE WITH THE APPROVED PERMIT PLANS AND SPECIFICATIONS. ALL DISCREPANCIES SHALL BE BROUGHT TO IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE ATTENTION OF THE ARCHITECT, THE ENGINEER AND THE BUILDING OFFICIAL.
  - C. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE CONTRACTOR, THE ARCHITECT, THE ENGINEER AND THE BUILDING OFFICIAL AS A MINIMUM. THE REPORTS SHALL BE DISTRIBUTED IN A TIMELY MANNER.
  - D. INSPECTION FOR PREFABRICATED COMPONENTS SHALL BE THE SAME AS IF THE MATERIAL WAS INSTALLED ON SITE. CONTINUOUS INSPECTION SHALL NOT BE REQUIRED DURING THE PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE.
  - E. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT STATING WHETHER THE WORK REQUIRING INSPECTION WAS INSPECTED AND WHETHER THE WORK WAS COMPLETED IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATION AND IN CONFORMANCE WITH ANY APPLICABLE WORKMANSHIP PROVISIONS OF THE APPLICABLE CODE.
- SPECIAL INSPECTION AND TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.

BFF - BELOW FINISH FLOOR BLK - BLOCK (ING)

BM - BEAM **BRG - BEARING** BU - BUILT UP B/ - BOTTOM OF CAM (C=) - CAMBER

CIP - CAST-IN-PLACE CJ - CONTROL JOINT CL - CENTERLINE CLR - CLEAR CMU - CONCRETE MASONRY UNIT COL - COLUMN CONC - CONCRETE CONN - CONNECT (ION) CONT - CONTINUOUS CONTR - CONTRACT (OR)

CTR - CENTER CU - CUBIC D - DEEP, DEPTH DBL - DOUBLE DEMO - DEMOLITION, DEMOLISH

DET - DETAIL DIA - DIAMETER DIAG - DIAGONAL, DIAGRAM DIM - DIMENSION **DIR - DIRECTION** DL - DEAD LOAD

DR - DRAIN DWG - DRAWING EA - EACH EF - EACH FACE **EJ - EXPANSION JOINT** EL, ELEV - ELEVATION EMBED - EMBEDMENT EQ - EQUAL

EST - ESTIMATE EW - EACH WAY **EQUIP - EQUIPMENT** EXP - EXPANSION EXT - EXTERIOR FD - FLOOR DRAIN

FF - FINISHED FLOOR FIN - FINISH (ED) FLG - FLANGE FLR - FLOOR (ING) FOC - FACE OF CONCRETE FOM - FACE OF MASONRY FOS - FACE OF STUD

FOW - FACE OF WALL FS - FAR SIDE FT - FOOT, FEET FTG - FOOTING FRMG - FRAMING FUT - FUTURE

HT - HEIGHT

GA - GAGE, GAUGE GALV - GALVANIZED GC - GENERAL CONTRACTOR GEN - GENERAL GL - GRADE LINE GLU-LAM - GLUE-LAMINATED BEAM GR BM - GRADE BEAM

GYP BD - GYPSUM BOARD H - HIGH HAS - HEADED ANCHOR STUD HC - HOLLOW CORE

RO - ROUGH OPENING HDR - HEADER HGR - HANGER HORIZ - HORIZONTAL HR - HANDRAIL HS - HIGH STRENGTH HSB - HIGH STRENGTH BOLT HSS - HOLLOW STRUCTURAL SHAPE

JT - JOINT K - KIPS (1000 lbs.)

KSF - KIPS PER SQUARE FOOT KSI - KIPS PER SQUARE INCH L - ANGLE LL - DOUBLE ANGLE LBS - POUNDS LG - LONG LL - LIVE LOAD

LLH - LONG LEG HORIZONTAL LLV - LONG LEG VERTICAL LOC - LOCATION LONG - LONGITUDINAL LSL - LAMINATED STRAND LUMBER LT WT - LIGHT WEIGHT LVL - LAMINATED VENEER LUMBER

MATL - MATERIAL MAX - MAXIMUM MBR - MEMBER MC - MISCELLANEOUS CHANNEL MECH - MECHANICAL MEZZ - MEZZANINE MFD - MANUFACTURED MFR - MANUFACTURER MIN - MINIMUM

> MISC - MISCELLANEOUS MTL - METAL NA - NOT APPLICABLE NIC - NOT IN CONTRACT NO - NUMBER NOM - NOMINAL NS - NEAR SIDE NTS - NOT TO SCALE

OC - ON CENTER OD - OUTSIDE DIAMETER OH DR - OVERHEAD DOOR OPNG - OPENING OPP - OPPOSITE OSB - ORIENTED STRAND BOARD OVS - OVERSIZED

PAF - POWDER ACTUATED

FASTENER PCF - POUNDS PER CUBIC FOOT PL - PLATE PLF - POUNDS PER LINEAR FOOT PLYWD - PLYWOOD PNL - PANEL PR - PAIR. PIPE RAIL PRCST - PRECAST PREFAB - PREFABRICATED PSF - POUNDS PER SQUARE FOOT

PSI - POUNDS PER SQUARE INCH

PT - POST TENSION (ED), PRESSURE TREATED R - RADIUS RCP - REINFORCED CONCRETE PIPE RD - ROOF DRAIN **REF - REFERENCE REINF - REINFORCING** REQ'D - REQUIRED **REV - REVISION** 

SL - SNOW LOAD SLV - SLEEVE SOG - SLAB-ON-GRADE SPEC - SPECIFICATION KCJ - KEYED CONSTRUCTION JOINT KLF - KIPS PER LINEAR FOOT SQ - SQUARE SSL - SHORT SLOTTED

> SST - STAINLESS STEEL STD - STANDARD STIF - STIFFENER STL - STEEL SUSP - SUSPENDED SW - SHEAR WALL SYMM - SYMMETRICAL

T&B - TOP AND BOTTOM T&G - TONGUE AND GROOVE TBD - TO BE DETERMINED THK - THICK (NESS)

TL - TOTAL LÒAD TO - TOP OF TOB - TOP OF BEAM TOC - TOP OF CONCRETE TOCW - TOP OF CONCRETE WALL TOF - TOP OF FOOTING TOM - TOP OF MASONRY TOS - TOP OF STEEL

TOW - TOP OF WALL TRANS - TRANSVERSE TYP - TYPICAL

UNO - UNLESS NOTED OTHERWISE

V - SHEAR VERT - VERTICAL VIF - VERIFY IN FIELD VR - VAPOR RETARDER

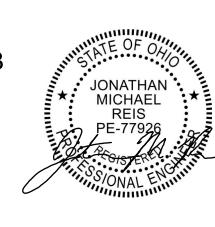
VRFY - VERIFY W - WIDTH W/ - WITH W/O - WITHOUT WD - WOOD WF - WIDE FLANGE

WL - WIND LOAD WLD - WELD (ED) WP - WATERPROOFING, WORK POINT WS - WATERSTOP WT - WEIGHT WWF - WELDED WIRE FABRIC

 $\overline{Y}D - YARD$ 

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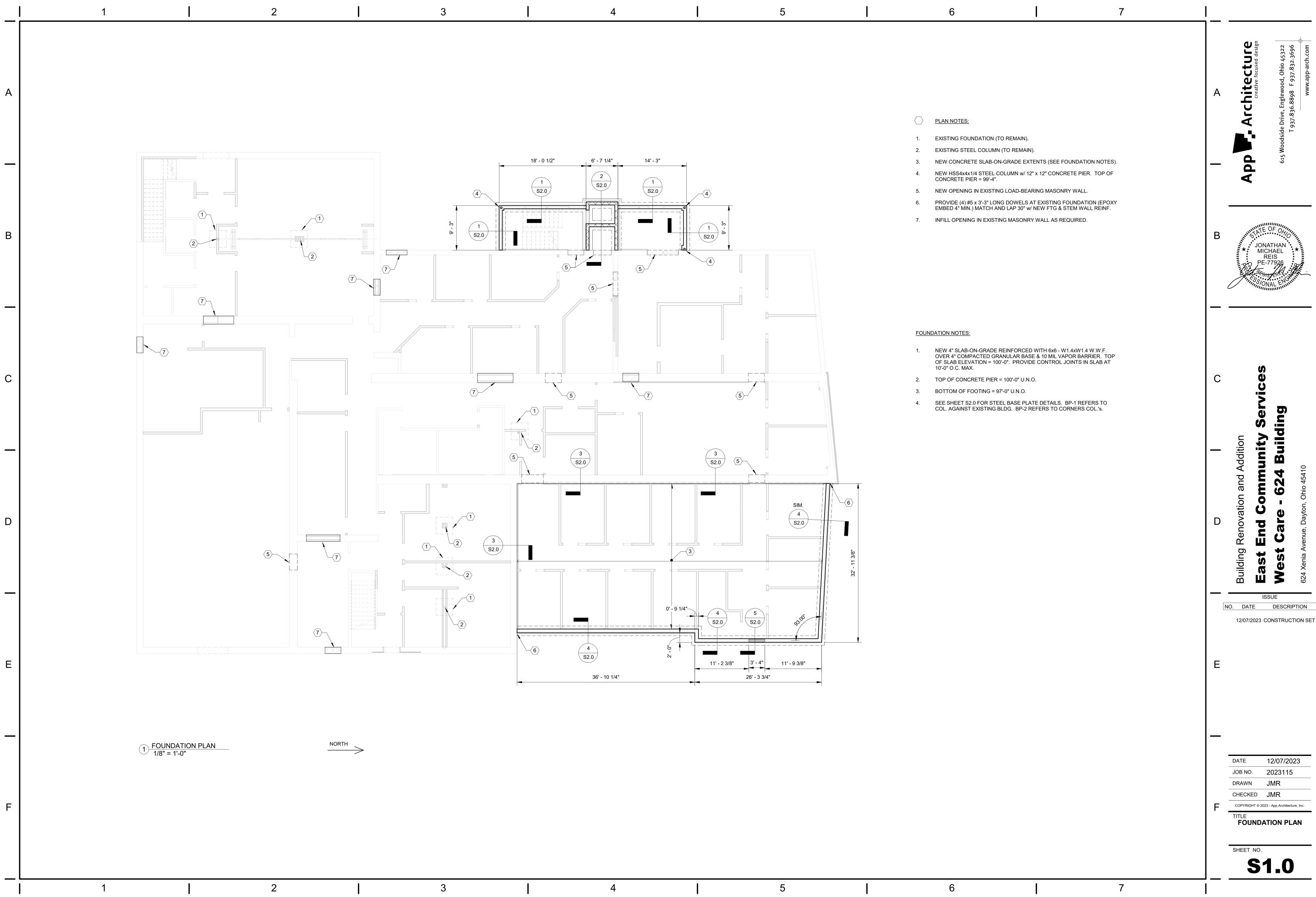
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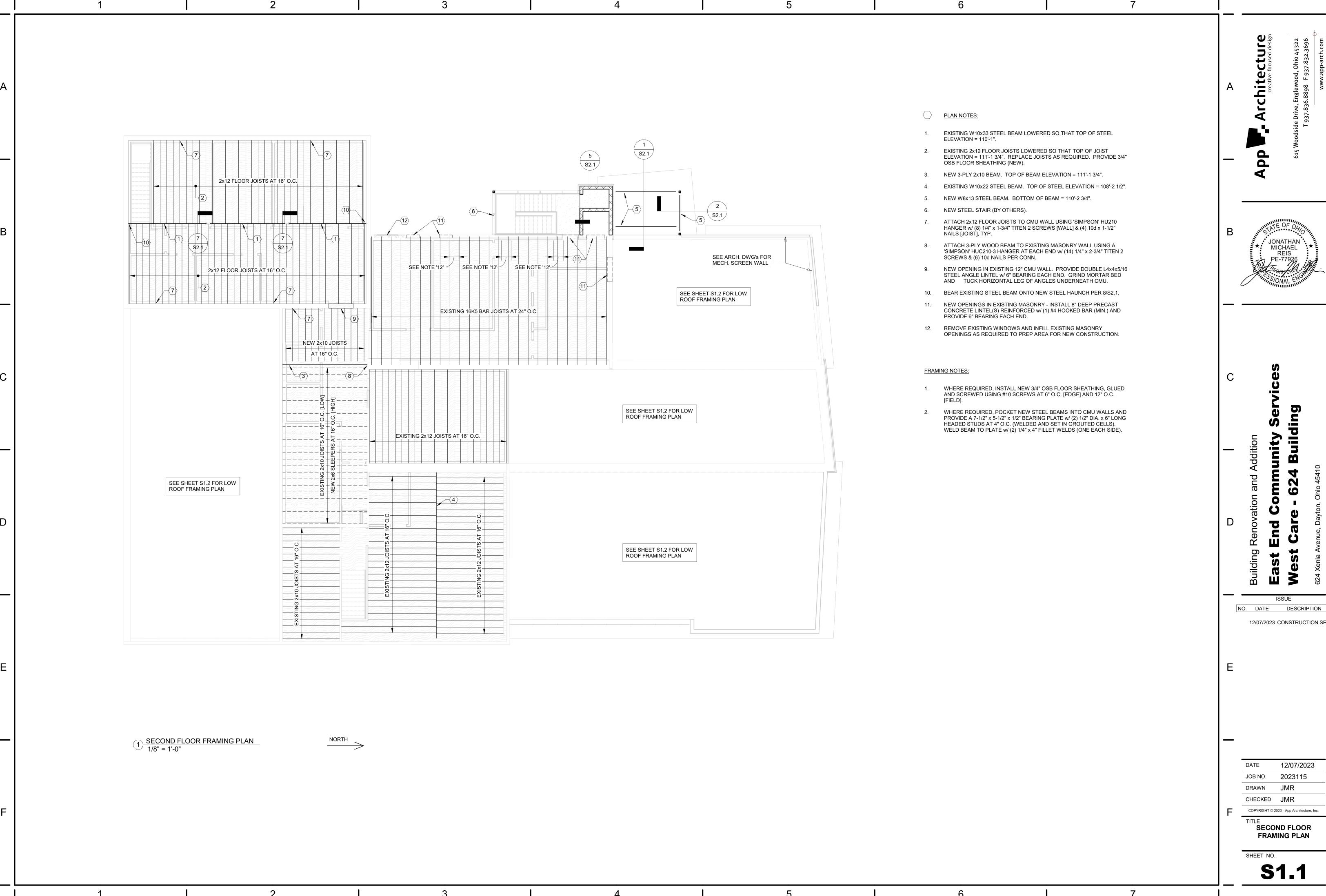
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SPECIAL INSPECTIONS



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TITLE FOUNDATION PLAN

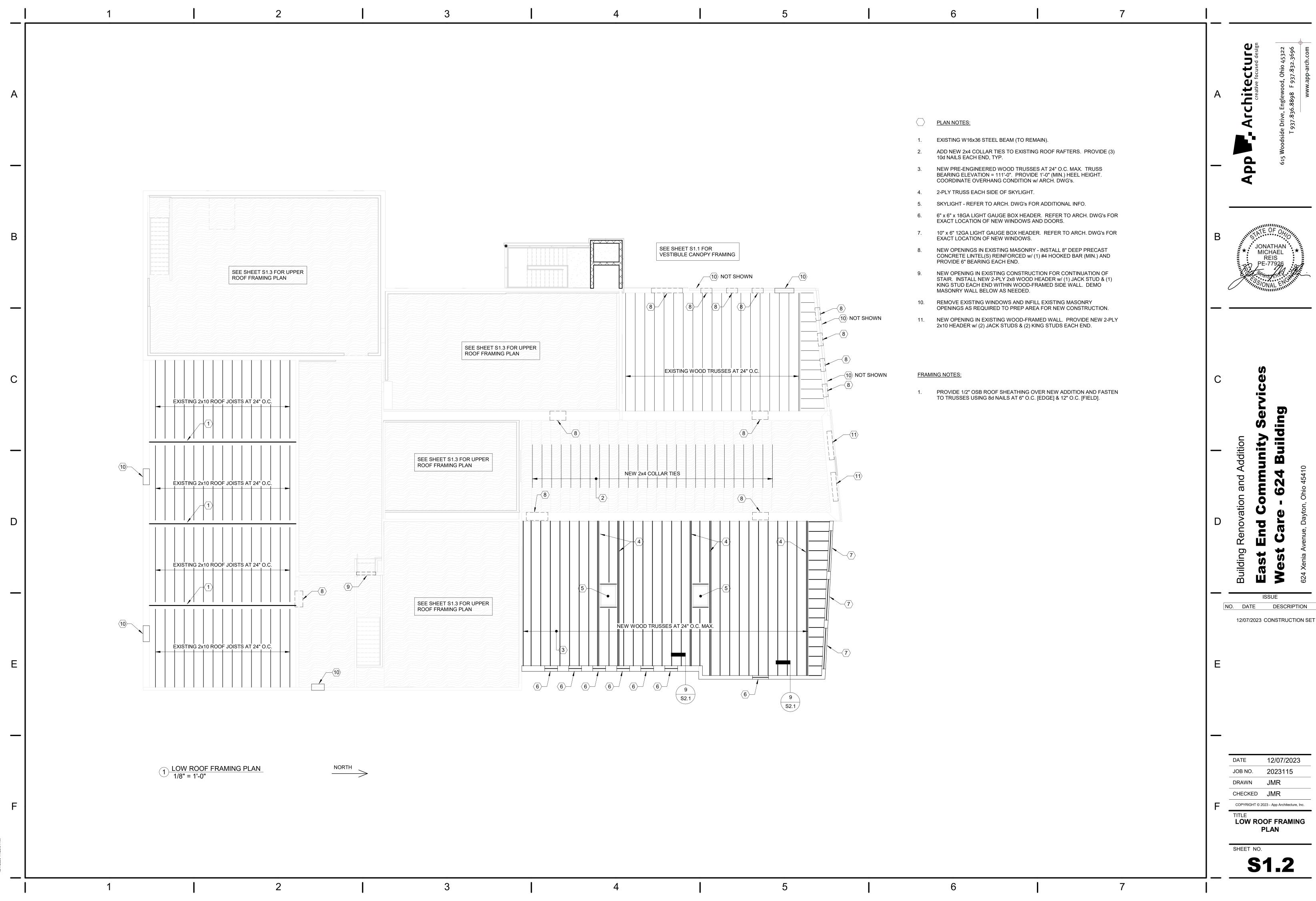


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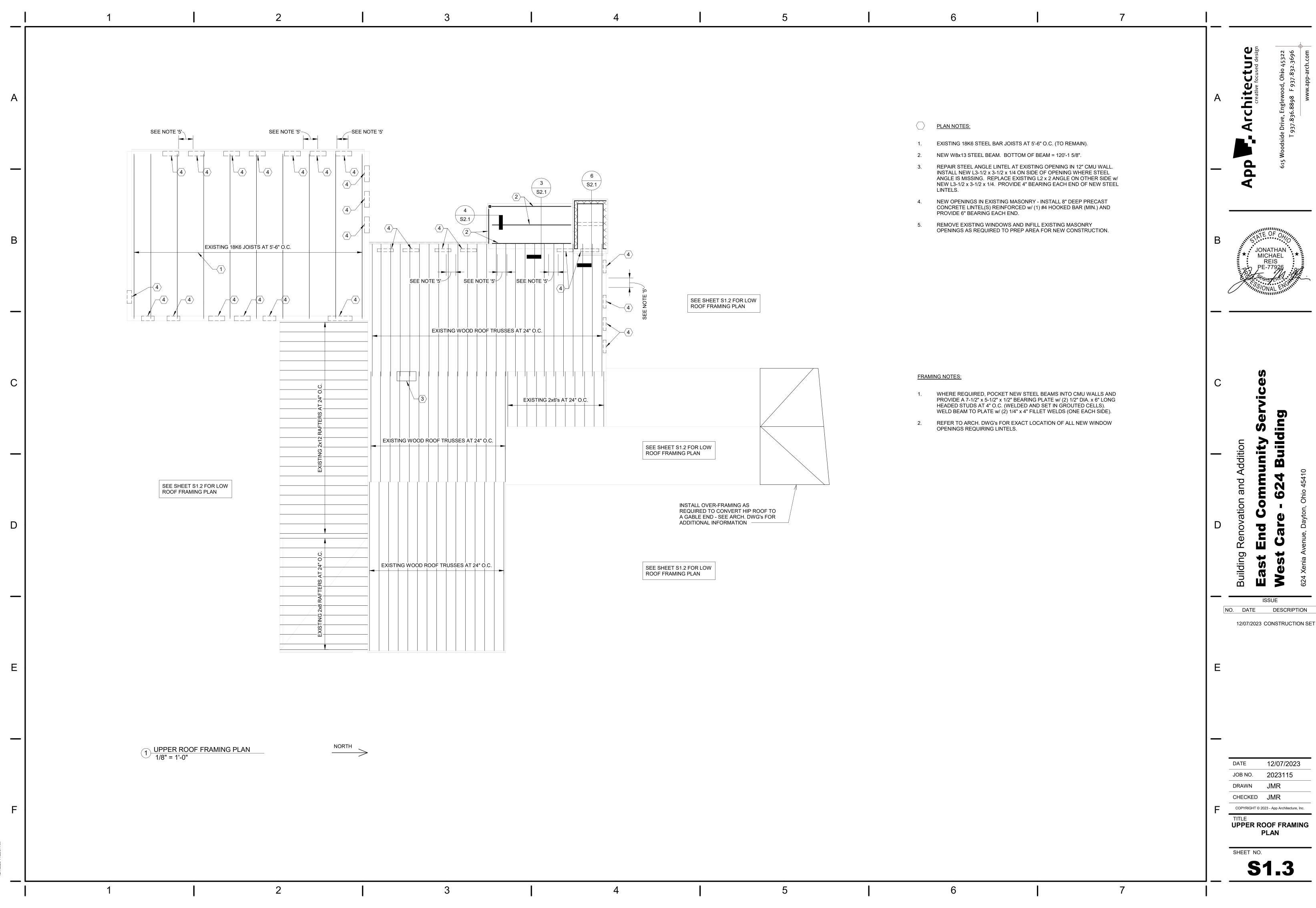


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LOW ROOF FRAMING PLAN

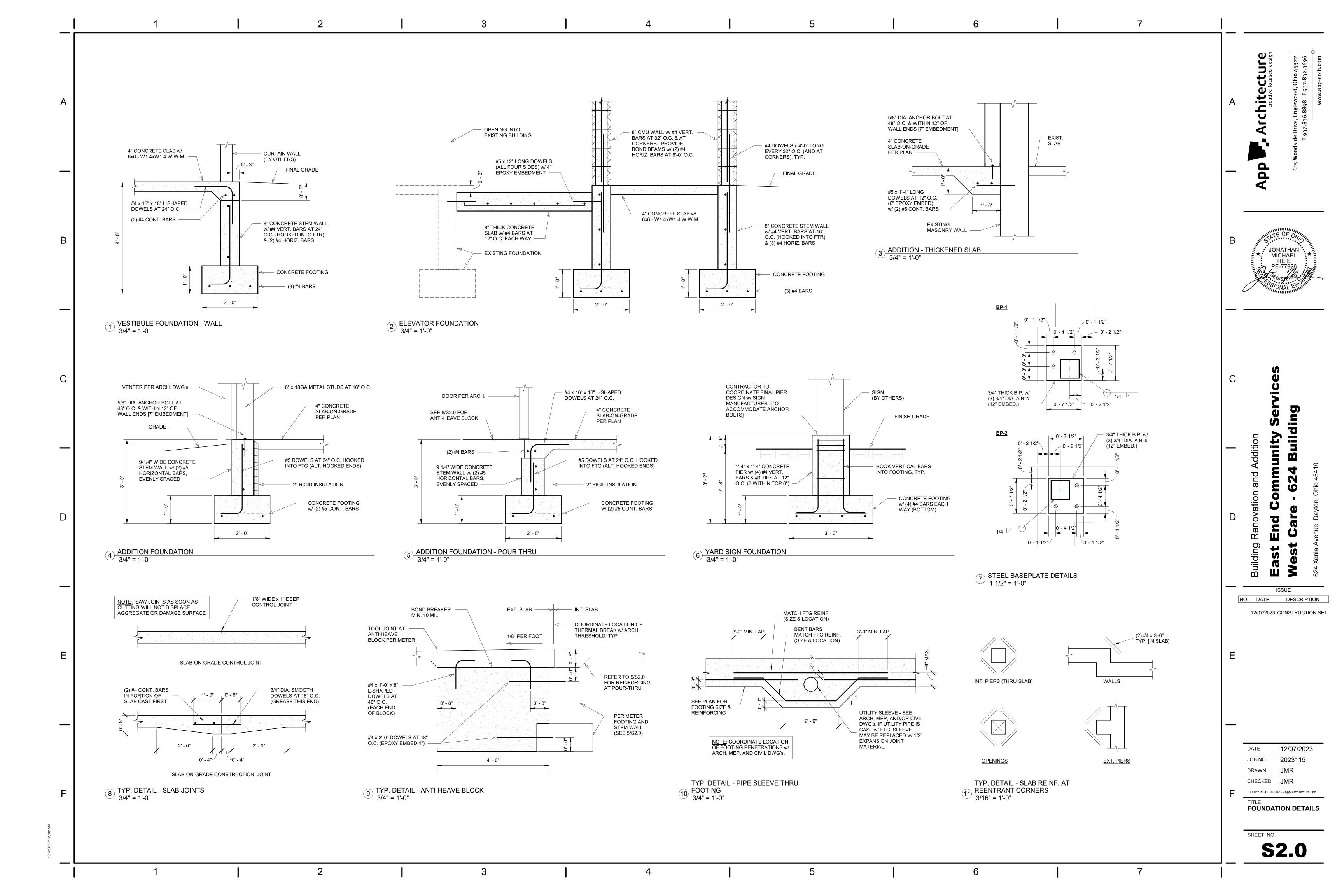


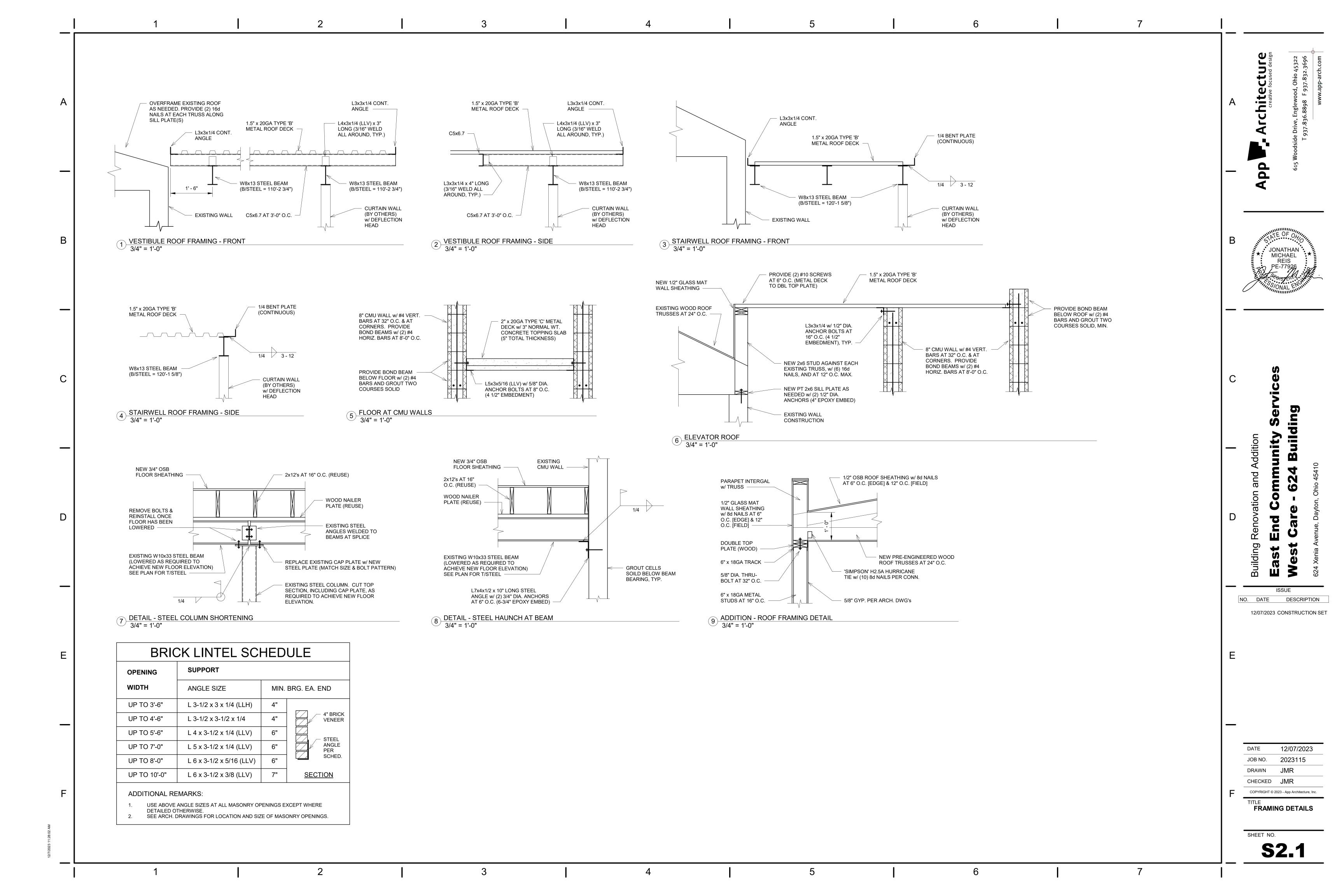
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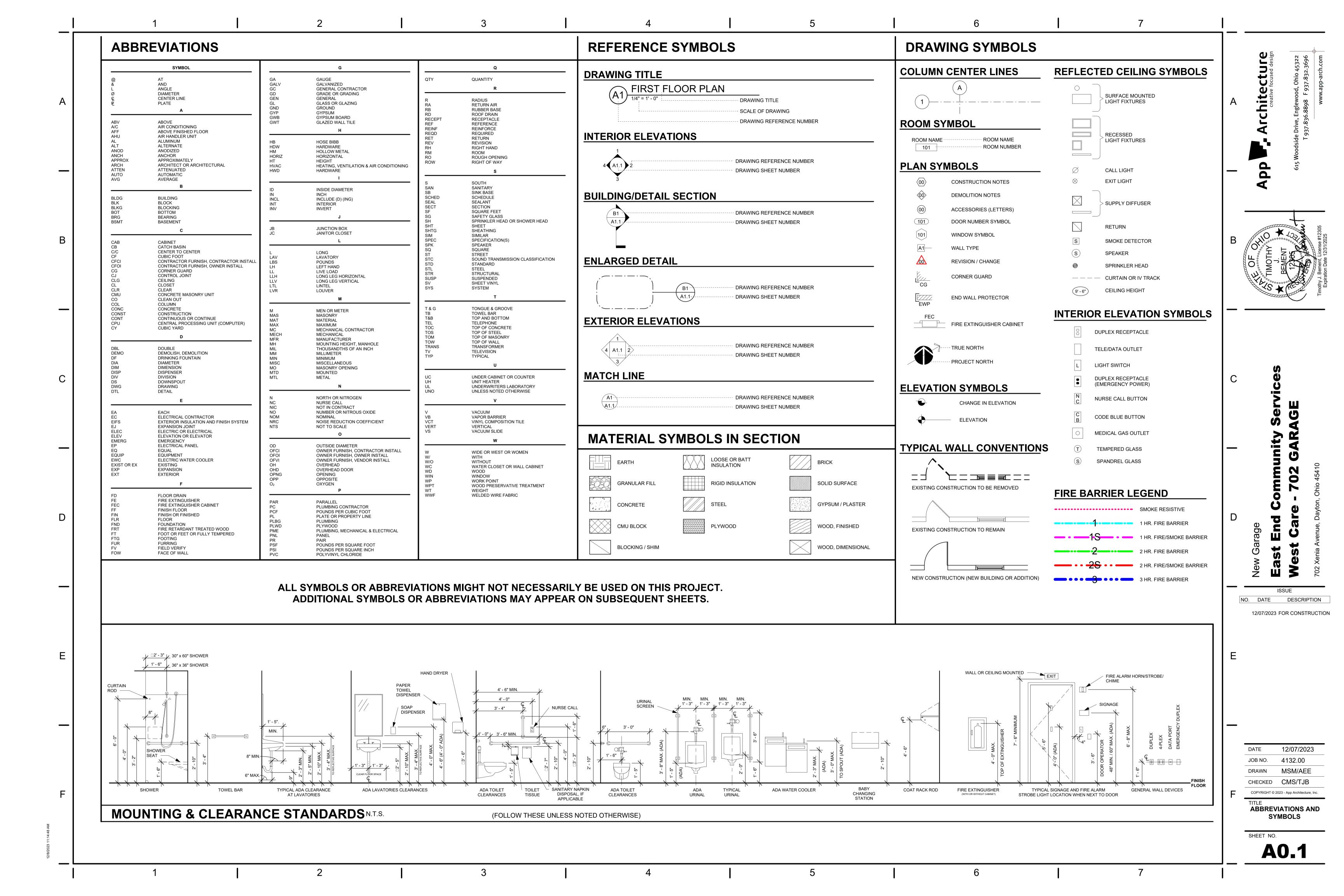
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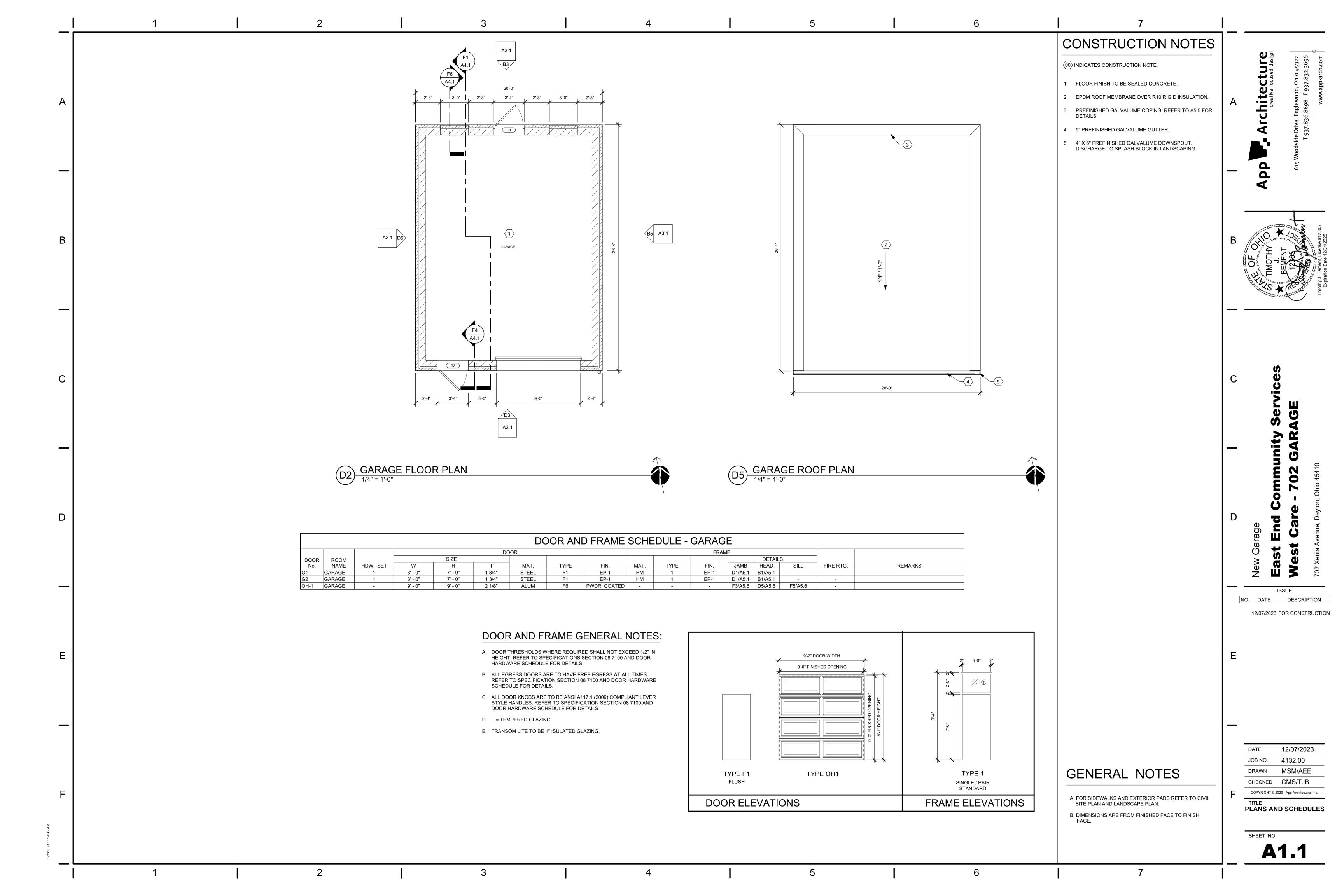
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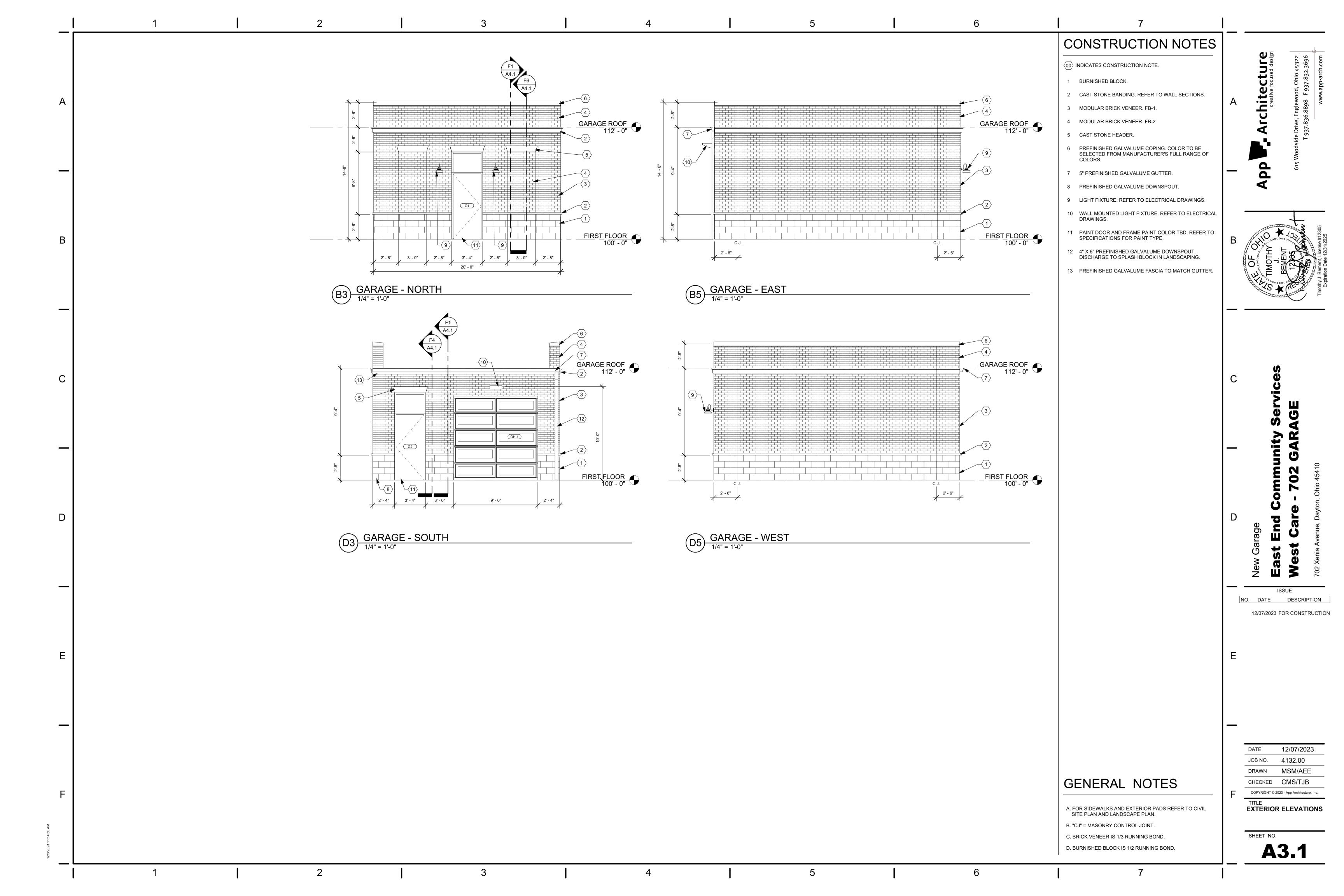
**UPPER ROOF FRAMING** 

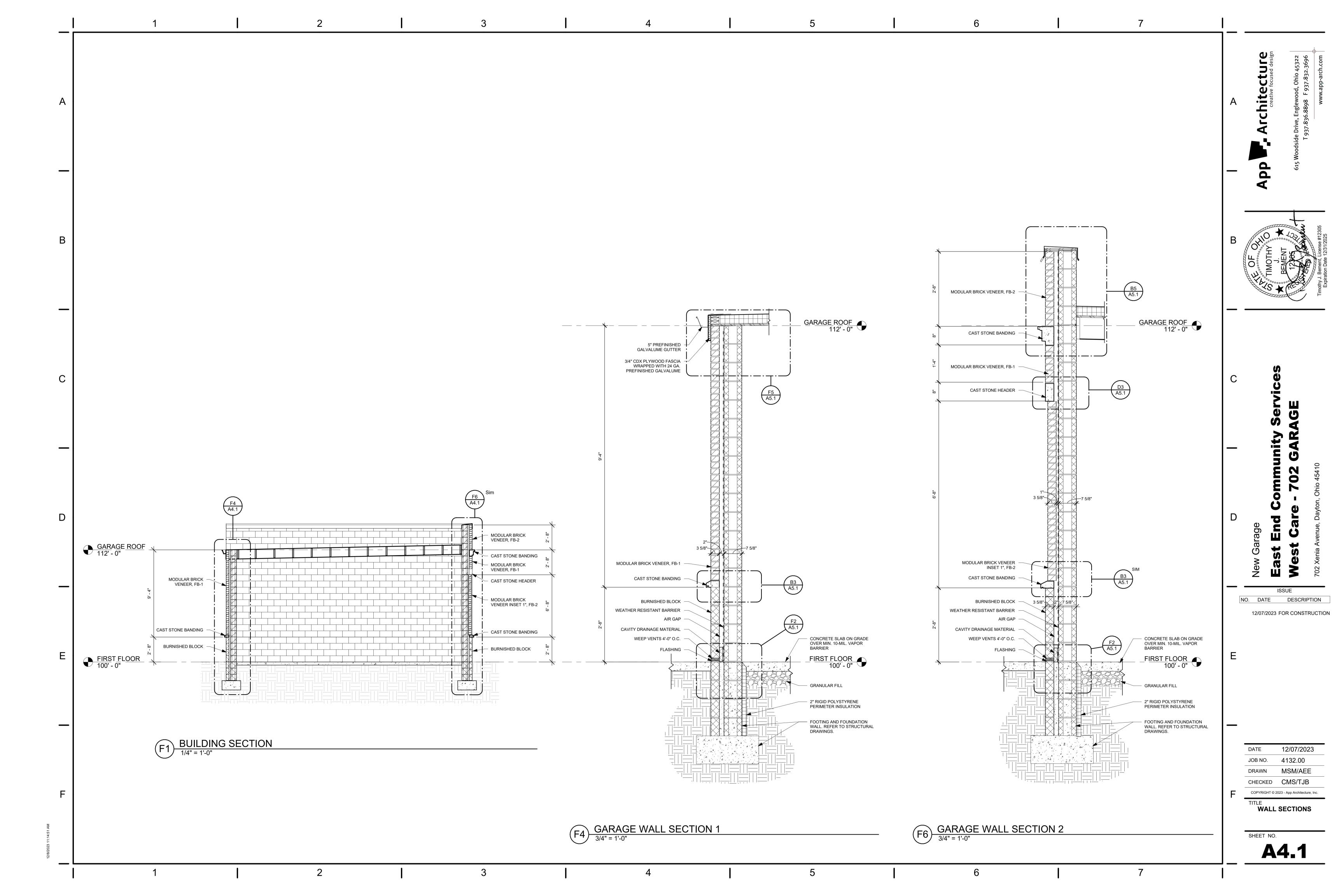


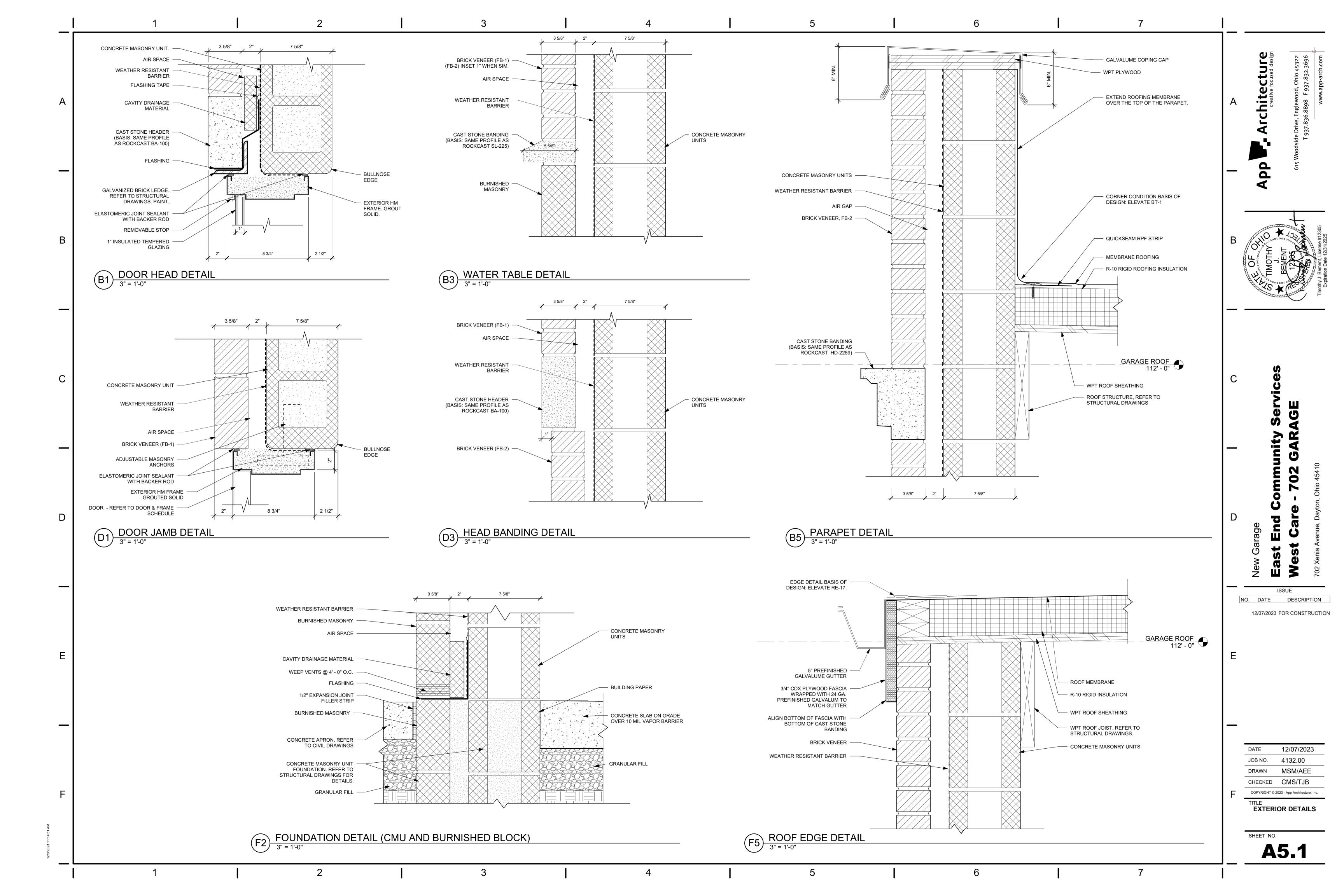


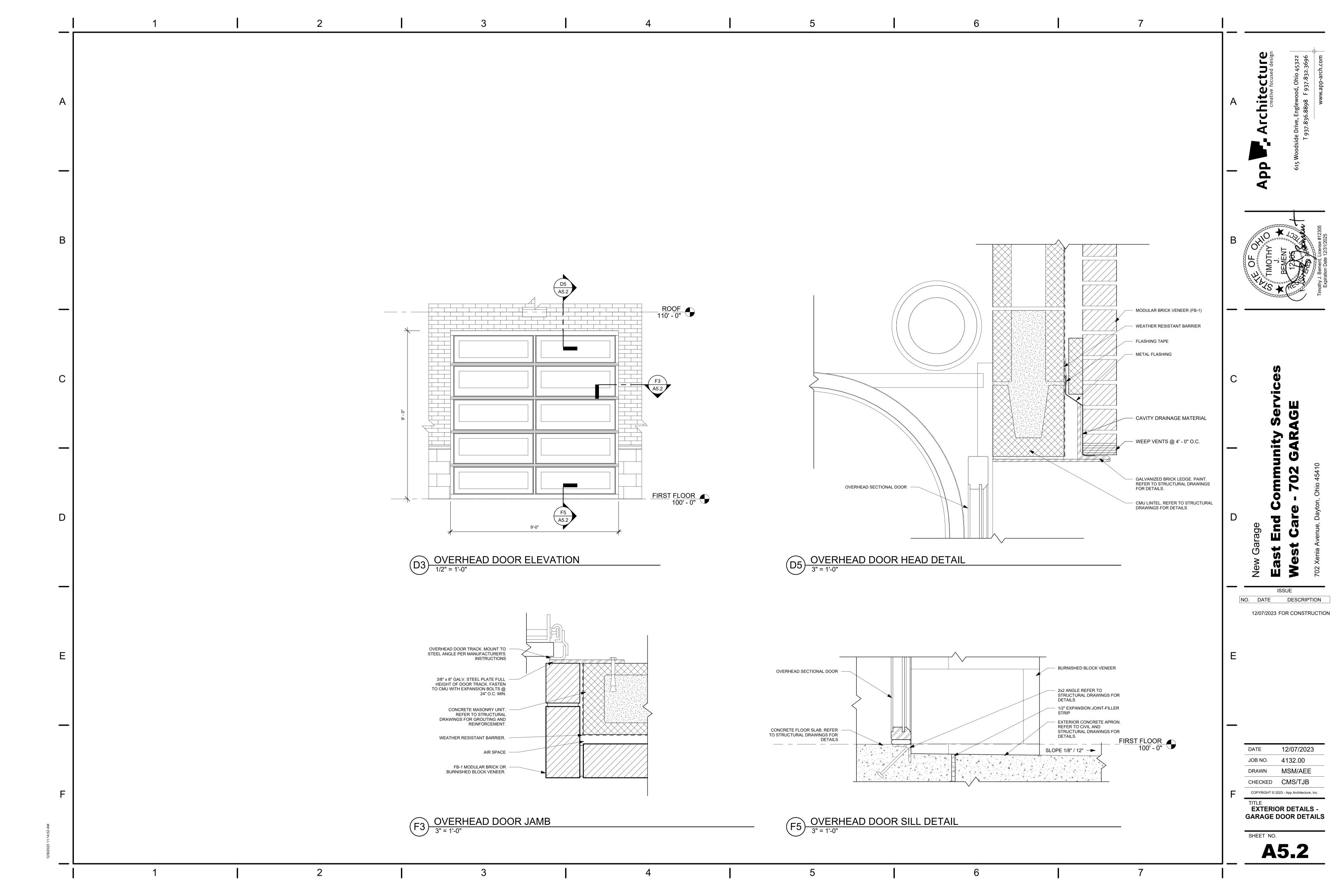












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# **GENERAL NOTES AND DETAILS**

ALL CONSTRUCTION METHODS, MATERIALS, AND SPECIFICATIONS SHALL COMPLY WITH THE LATEST VERSION OF THE CITY OF DAYTON STANDARDS AND SPECIFICATIONS AND OR THE LATEST VERSION OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARDS AND SPECIFICATIONS (INCLUDING CURRENT SUPPLEMENTAL SPECIFICATIONS 800 AND 832), WHICHEVER IS MORE RESTRICTIVE AS DETERMINED BY THE CITY OF DAYTON

# **UNDERGROUND UTILITIES**

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC. EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ACCORDING TO THE BEST AVAILABLE DATA. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING THEM IN THE FIELD PRIOR TO CONSTRUCTION AND WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THEM. CONTRACTOR TO CONTACT OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48 HOURS PRIOR TO CONSTRUCTION.

NON-MEMBERS MUST BE CALLED DIRECTLY.

# **UTILITY OWNERSHIP**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

**TELEPHONE** 

**ALTAFIBER** 

221 E. 4TH ST.

(513) 566-5120

3233 WOODMAN DR.

(937) 296 - 3588

DAYTON, OHIO 45420

ATTN: HOWARD LAUDERMILK

CINCINNATI, OHIO 45202

ÀTTŃ: JOHN STRAUSS

CENTERPOINT ENERGY

DAYTON, OHIO 45427

(937) 440-1975

(740) 772-8200

**FIBER** 

HORIZON

**ADDRESS** 

4285 N. JAMES MCGEE BLVD.

ÀTTN: CHARLES SUMMERLIN

CHILLICOTHE, OHIO 45601

AT&T

STREETS AND STORM SEWER CITY OF DAYTON 101 W. 3RD ST. DAYTON, OHIO 45402 (937) 333-4809 ATTN: BRIAN DAHM

**WATER AND SANITARY** DAYTON WATER & SEWER 320 W. MONUMENT AVE. DAYTON, OHIO 45402 (937) 333-2058

**ELECTRIC** AES OHIO 1900 DRYDEN RD. DAYTON, OHIO 45439 (937) 331-4521ATTN: WILLIAM GOURLEY

ATTN: BEN BOTKINS

CABLE CHARTER 3691 TURNER RD. DAYTON, OHIO 45415 (937) 396-8611 ATTN: MARY EVANS

OHIO UTILITIES PROTECTION SERVICE 2 WORKING DAYS BEFORE YOU DIG CALL TOLL FREE 800-362-2764

# **UTILITY INTERFERENCE**

IF, DURING THE CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY AND COORDINATE AS NEEDED WITH THE UTILITY COMPANY INVOLVED. ANY AND ALL WORK REQUIRED FOR PRIVATE UTILITIES SHALL BE COORDINATED WITH AND, IF REQUIRED, DONE BY THEIR RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY, AT LEAST 7 DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS.

# MUD

THE TRACKING OR SPILLAGE OF MUD, DIRT, OR DEBRIS UPON PUBLIC STREETS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR.

# **EXISTING UTILITY CONFLICT NOTE**

IF A CONFLICT ARISES WITH EXISTING UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE UTILITY COMPANY TO GET THE CONFLICT RESOLVED.

# **UTILITY STATEMENT**

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THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. CHOICE ONE ENGINEERING CORPORATION MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN-SERVICE OR ABANDONED. CHOICE ONE ENGINEERING CORPORATION FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. CHOICE ONE ENGINEERING CORPORATION HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

# **CAD FILE DISCLAIMER**

THE CAD FILE ASSOCIATED WITH THESE CONSTRUCTION PLANS IS A NON-CERTIFIED DOCUMENT. ANY USE OF THE INFORMATION OBTAINED OR DERIVED FROM THE ASSOCIATED CAD FILE WILL BE AT THE RECEIVING PARTY/USER'S RISK. CHOICE ONE ENGINEERING CORP. OFFERS NO WARRANTY AS TO THE ACCURACY OF THE INFORMATION IN THE CAD FILE OR THAT REVISIONS HAVE BEEN ISSUED AFTER THE CAD DRAWING WAS RELEASED. RECEIVING PARTIES/USERS SHALL HOLD HARMLESS TO THE MAXIMUM EXTENT ALLOWED BY LAW CHOICE ONE ENGINEERING CORP. FROM ANY USE OF THE CAD FILE BY THE RECEIVING PARTY/USER. IN ALL CIRCUMSTANCES, AND AT ALL TIMES, THE PUBLISHED PAPER AND/OR PDF DRAWINGS FOR THE PROJECT SHALL SUPERSEDE THE CAD FILES. IN THE CASE OF AN INCONSISTENCY BETWEEN THE PUBLISHED PAPER/PDF DRAWINGS AND THE ASSOCIATED CAD FILE. THE PUBLISHED PAPER / PDF DRAWINGS SHALL GOVERN THE PROJECT AND ALL WORK.

# **SAFETY**

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE. MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

# **CLEAN WATER NOTE**

ROOF DRAINS, FOUNDATION DRAINS, AND ALL OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SYSTEM ARE PROHIBITED.

# **GENERAL NOTES**

1. ALL UTILITIES SHALL BE INSTALLED, TESTED, AND COMPLY WITH THE LATEST VERSION OF THE CITY OF DAYTON STANDARDS AND SPECIFICATIONS.

2. ALL DISTURBED AREAS AND ALL NON-PAVEMENT AREAS SHALL HAVE A MINIMUM OF 6" OF TOP SOIL PLACED AND ARE TO BE SEEDED AND MULCHED PER ODOT ITEM 659.

3. ALL CONCRETE USED FOR HEAVY DUTY PAVEMENT(S) AND STANDARD DUTY PAVEMENT(S) SHALL BE ODOT QC-1P AND REINFORCED WITH CONCRETE FIBERS AS SPECIFIED IN THE PROPOSED PAVEMENT SECTION(S) OR AS NOTED HERE. ALL OTHER CONCRETE (WALKS, CURBS, ETC.) SHALL ALSO BE ODOT QC-1P. ALL CONCRETE SHALL BE REINFORCED WITH 3 LBS/CY OF EITHER EUCLID CHEMICAL TUFSTRAND SF, FORTA FERRO FIBRILLATED MACROFIBERS OR APPROVED EQUIVALENT MEETING ASTM C 1116 TYPE 3. MINIMUM 2" LENGTH, ASPECT RATIO 50 TO 90. CONTRACTOR SHALL CONTACT THE FIBER MANUFACTURER'S SUPPLIER 48 HOURS PRIOR TO ORDERING THE FIRST BATCH OF CONCRETE FOR APPROPRIATE MIXING AND FINISHING PROCEDURES.

4. CONTRACTOR TO BE RESPONSIBLE FOR ANY PERMITS OR FEES THAT MAY BE NECESSARY FOR THE COMPLETION OF THE SITE WORK.

5. ALL WORK SHALL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ADA REGULATIONS AND STANDARDS.

6. ALL ITEMS ON SITE PLAN SHALL BE CONSTRUCTED PER THE LATEST VERSION OF THE CITY OF DAYTON STANDARDS.

# SUBCONTRACTOR SUPERVISION

THE CONTRACTOR IS REQUIRED TO HAVE SOMEONE ON-SITE TO SUPERVISE THE SUBCONTRACTOR FOR QUALITY CONTROL PURPOSES AND TO PROVIDE ANY NECESSARY ASSISTANCE TO THE SUBCONTRACTOR TO ENSURE QUALITY WORK. COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACTOR'S OVERALL LUMP SUM BID FOR THE PROJECT.

# **EXCAVATION AND EMBANKMENT**

TOPSOIL SHALL BE REMOVED FROM ALL DISTURBED AREAS AND ALL AREAS TO BE EXCAVATED OR EMBANKED. A MINIMUM OF 6" OF TOPSOIL SHALL BE FINE GRADED ON ALL DISTURBED AREAS.

ALL EMBANKMENT SHALL BE COMPACTED TO A MINIMUM OF 100% STANDARD PROCTOR OR AS DETERMINED BY THE OWNER. TESTING MAY BE REQUIRED BY THE OWNER.

# **MAINTAINING TRAFFIC**

MAINTAIN TRAFFIC AS INDICATED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", ALSO THE FOLLOWING REQUIREMENTS SHALL APPLY.

EXCAVATIONS WITHIN PUBLIC RIGHT-OF-WAY LIMITS SHALL BE CLOSED AT TIMES WHEN WORK IS NOT BEING PERFORMED.

LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT DURING THE TIME THAT AN APPROVED CLOSURE AND DETOUR IS ALLOWED BY THE GOVERNING AUTHORITY.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING NECESSARY TRAFFIC CONTROL DEVICES AND PAVEMENT REPAIR MATERIALS TO MAINTAIN THE TRAVELED PAVEMENT SAFELY.

NO SHUT DOWN OF ANY OWNER FACILITY DRIVE, ROADWAY OR PARKING LOT WILL BE ALLOWED WITHOUT WRITTEN CONSENT FROM THE OWNER. ALL OWNER ROADWAYS MUST HAVE AT LEAST ONE LANE OPEN AT ALL TIMES. NO STAGING OF TRUCKS OUTSIDE OF CONSTRUCTION LIMITS WILL BE PERMITTED WITHOUT CONSENT FROM THE OWNER.

# **SAWCUT PAVEMENT JOINTS**

CUT. JUST PRIOR TO ASPHALT OR CONCRETE PLACEMENT. ASPHALT MATERIAL SHALL BE PLACED ON THE VERTICAL FACE OF SAWCUT JOINTS PRIOR TO PAVING AS PER 401.14. AFTER THE ASPHALT WORK IS COMPLETED, THE TRANSVERSE JOINTS SHALL BE SEALED WITH LIQUID ASPHALT.

# **PAVEMENT MARKINGS**

ALL PAVEMENT MARKINGS SHALL BE PER ODOT ITEM 640 AND 642. ALL PAVEMENT MARKINGS TO BE TYPE 1, UNLESS APPLICATION IS REQUIRED WHEN AIR AND PAVEMENT TEMPERATURES ARE BETWEEN 35 °F AND 50 °F, THEN OBTAIN APPROVAL FROM THE OWNER AND APPLY ONLY PRE-QUALIFIED TYPE 1A COLD WEATHER TRAFFIC PAINT MATERIALS PER ITEM 642 AND 740.

OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION

# **UTILITIES**

OF GAS, ELECTRIC, TELEPHONE, CABLE TELEVISION, FIBER OPTIC, ETC. AS REQUIRED AND/OR AS SHOWN ON UTILITY PLAN AND ARCHITECTURAL SHEETS. CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES PRIOR TO INSTALLATION OF ANY FACILITIES. ALL UTILITIES SHALL BE INSTALLED PER EACH PARTICULAR UTILITY COMPANY'S STANDARDS AND PROCEDURES. CONTRACTOR TO VERIFY ACTUAL SIZES. LOCATIONS (POINTS OF ENTRY INTO THE BUILDING) AND INVERTS OF ALL UTILITIES TYING INTO THE BUILDING WITH ALL ARCHITECT PLANS (BUILDING, PLUMBING, ELECTRICAL, ETC.) BEFORE CONSTRUCTION.

# ASPHALT PAVEMENT REPLACEMENT NOTE

ANY EXISTING PAVEMENT THAT IS TO BE REMOVED SHALL BE SAWCUT FULL DEPTH AND RESTORED TO MATCH THE EXISTING PAVEMENT

# REVIEW OF DRAINAGE FACILITIES

OWNER, AND THE CONTRACTOR, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. ALL EXISTING SEWERS INSPECTED BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO PRE-EXISTING CONDITION OF THE SEWER. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF DAYTON AND/OR

ALL NEW CONDUITS, UNDERDRAINS (INCLUDING THE STONE BACKFILL ABOVE THE UNDERDRAIN PIPING), INLETS, CATCH BASINS, MANHOLES, SWALES/DITCHES. AND DETENTION/RETENTION BASINS CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER (INCLUDING SEDIMENT) AND IN A CLEAN CONDITION AND FULLY AND PROPERLY FUNCTIONAL BEFORE THE PROJECT WILL BE ACCEPTED BY THE OWNER.

MORE THAN ONE SAWCUT MAY BE NECESSARY TO ENSURE A CLEAN

ALL MARKING LAYOUT AND COLOR SHALL BE APPROVED BY THE

CONTRACTOR SHALL INSTALL AND/OR COORDINATE THE INSTALLATION

CROSS SECTION UNLESS OTHERWISE NOTED IN THE PLANS.

BEFORE FINAL ACCEPTANCE BY THE OWNER, REPRESENTATIVES OF THE

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ISSUE DATE DESCRIPTION 12/07/23 FOR CONSTRUCTION

12-07-2023 DATE JOB NO. 4132.00 DSF DRAWN CHECKED MSK

**GENERAL NOTES** 

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#### 2 5 3 **MODIFICATIONS** 7. TRENCH EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH ANY MODIFICATIONS TO THE SPECIFICATIONS OR CHANGES TO THE THE BID SPECIFICATIONS AND IN ACCORDANCE WITH ALL APPLICABLE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN OSHA RULES AND REGULATIONS. IN ADDITION, THE OWNER MAY HAVE APPROVAL BY THE OWNER. ADDITIONAL REQUIREMENTS FOR EXCAVATION AND TRENCHING ON OWNER PROPERTY THAT MAY BE MORE STRINGENT THAN CURRENT **RESTORATION** LOCAL OR OSHA REQUIREMENTS. IN THIS CASE, THE OWNER'S REQUIREMENTS ARE TO BE FOLLOWED UNLESS THIS ACTION WOULD BE THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY CONSIDERED NON-COMPLIANT WITH CURRENT GOVERNING CODES OR DISTURBED AND/OR DAMAGED AREAS, INCLUDING PAVEMENT, TO REGULATIONS AS DEFINED BY LOCAL OR GOVERNING AUTHORITIES. CONDITIONS EQUAL TO OR BETTER THAN CONDITIONS PRIOR TO WHERE A NON-COMPLIANCE ISSUE IS NOTED, THE CONTRACTOR IS TO CONSTRUCTION OR TO THE SATISFACTION OF THE OWNER. MAKE THE OWNER AND ENGINEER AWARE OF THE GOVERNING CODE. **MISCELLANEOUS** 8. THE CONTRACTOR WILL BE RESPONSIBLE TO REPAIR, REPLACE, THE INTENT OF THESE DRAWINGS IS TO INCLUDE ALL ITEMS AND/OR RECONNECT ANY EXISTING DRAINAGE TILES, NOT SHOWN ON NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE THE PLANS, WHICH CROSS THROUGH THE EXCAVATED TRENCH. ANY WORK BY THE CONTRACTOR. PERFORMANCE BY THE CONTRACTOR DRAINAGE TILES ENCOUNTERED ARE TO BE BROUGHT TO THE SHALL BE REQUIRED TO THE EXTENT CONSISTENT WITH THE CONTRACT ATTENTION OF THE OWNER AND A MEASUREMENT TAKEN FROM THE DOCUMENTS AND REASONABLY INFERABLE FROM THEM AS BEING NEAREST MANHOLE OR INLET STRUCTURE TO THE CENTERLINE OF THE NECESSARY TO PRODUCE THE INTENDED RESULTS. TILE. THIS INFORMATION SHALL BE PROVIDED TO THE OWNER AS PART OF THE RECORD DRAWINGS. IN THE CASE OF AN INCONSISTENCY BETWEEN DRAWINGS AND SPECIFICATIONS OR WITHIN EITHER DOCUMENT, THE BETTER QUALITY OR 9. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPAIRS GREATER QUANTITY OF WORK SHALL BE PROVIDED IN ACCORDANCE TO ANY UTILITY LINE(S) THAT THE CONTRACTOR DAMAGES UNLESS WITH THE OWNER'S REPRESENTATIVE'S INTERPRETATION. OTHERWISE CLEARLY THE RESPONSIBILITY OF THE UTILITY COMPANY. CONTRACTORS SHALL VERIFY ALL GRADES, ELEVATIONS, AND EXISTING 10. THE CONTRACTOR WILL REPLACE ALL DAMAGED OR REMOVED UTILITY LOCATIONS PRIOR TO CONSTRUCTION. DRIVES AND PAVEMENT WITH THE REQUIRED THICKNESS SHOWN ON THE PLANS OR MATCH EXISTING IF GREATER. CONTRACTOR'S LUMP SUM BID PRICE SHALL INCLUDE ALL ITEMS AND OPERATIONS NEEDED, REQUIRED AND NECESSARY FOR THE PROPER 11. ALL DISTURBED LAWN AREAS SHALL BE GRADED TO DRAIN TO THE EXECUTION OF THE PROJECT AND TO COMPLETE ALL WORK. NEAREST INLET STRUCTURE AND/OR MATCH EXISTING/PROPOSED DRAINAGE PATTERNS. **GRAFFITI AND VANDALISM** 12. CONTRACTOR SHALL USE PROPER EROSION CONTROL TECHNIQUES THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND TO MAINTAIN GRADE PRIOR TO SEEDING. REPLACEMENT OF ALL WORK/ITEMS (INCLUDING ANY CONCRETE WORK) OR OTHER ITEMS UNDER THIS CONTRACT WHICH IS DEEMED 13. CONTRACTOR TO REFER TO ODOT SPECIFICATION, ITEM 659 FOR UNACCEPTABLE BY THE OWNER DUE TO GRAFFITI OR VANDALISM SEEDING AND MULCHING UNLESS OTHERWISE SPECIFIED. CONTRACTOR DAMAGE. WILL NOT SEED ANY AREA UNTIL OWNER HAS INSPECTED FINAL TOPSOIL GRADING. **OWNER COORDINATION NOTES** 14. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL FENCES, THE CONTRACTOR SHALL COORDINATE THE PROPOSED WORK WITH THE LAWN DECORATIONS, TREES, SHRUBS, PLANTING, VEGETATION ETC. OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK ON SITE. WHICH IS DAMAGED, DISTURBED OR REMOVED DURING CONSTRUCTION IF THE CONTRACTOR IS TO ENGAGE IN ANY OPERATIONS THAT AFFECT THE EXISTING FACILITY OPERATIONS, THE CONTRACTOR SHALL 15. DURING PAVING OPERATIONS, THE CONTRACTOR MUST SUBMIT A COORDINATE THE SCHEDULING OF SUCH ACTIVITIES WITH THE OWNER'S WRITTEN PLAN IDENTIFYING DRIVE AREAS WITHIN THE SITE THAT WILL REPRESENTATIVE PRIOR TO PERFORMING ANY SUCH OPERATIONS OR BE SHUT DOWN FOR CONSTRUCTION OPERATIONS PRIOR TO START OF ACTIVITIES. ANY WORK IN THOSE AREAS. CONTRACTOR MUST MAINTAIN A MINIMUM OF ONE LANE FOR TRAFFIC IN ANY AREAS SO DESIGNATED BY THE THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORT, BRACING, OWNER THROUGHOUT ALL CONSTRUCTION OPERATIONS. AND OTHER DEVICES AS MAY BE REQUIRED OR AS DIRECTED BY OWNER'S REPRESENTATIVE OR THE ENGINEER TO PROTECT THE SAFETY

ITEM 659 SEEDING AND MULCHING,

OF THE PUBLIC, ADJACENT STRUCTURES, ROADWAY AND/OR UTILITIES. ALL WORK TO BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION

STAKING AND IS TO INCLUDE SUCH COSTS AS A PART OF THE LUMP

2. THE CONTRACTOR IS RESPONSIBLE TO CONTACT THE APPROPRIATE

NOTIFY THE OWNER PRIOR TO THE START OF ANY WORK THAT WOULD

3. THE CONTRACTOR IS TO VISIT AND INVESTIGATE THE PROJECT SITE, PRIOR TO BIDDING, IN ORDER TO DETERMINE THE EXISTING GROUND

UNDERGROUND UTILITY MARKING SERVICE PRIOR TO THE START OF

ANY CONSTRUCTION IN ORDER TO AVOID CONFLICTS WITH EXISTING

UTILITIES. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR IS TO

AND SITE CONDITIONS. FOR SOIL TYPE AND GROUND WATER TABLE,

REQUIRE ADDITIONAL TEST HOLES PRIOR TO BIDDING IN ORDER TO

TO BE DUG WITHOUT CONTACTING THE OWNER'S REPRESENTATIVE

PRIOR TO EXCAVATION AND WITHOUT RECEIVING WRITTEN APPROVAL

REGULATIONS WITH REGARD TO EXCAVATION, SAFETY, QUALITY AND

WORK PROGRESS. IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY

5. THE LOCATION OF MATERIALS STORED ON SITE MUST RECEIVE THE

REMEDIATION WILL BE AT THE OWNER'S EXPENSE PRIOR TO REMOVAL

FROM THE SITE OR DISPOSAL ON-SITE BY THE CONTRACTOR. THIS

APPROVAL OF THE OWNER. IN GENERAL, MATERIALS SHOULD BE

STORED SO AS TO MINIMIZE THE INCONVENIENCE TO THE OWNER.

6. IF EXCAVATED MATERIALS ARE FOUND TO BE CONTAMINATED,

PROCESS WILL BE COORDINATED BETWEEN THE OWNER AND

DETERMINE OR VALIDATE GROUND CONDITIONS, THIS CAN BE

4. THE CONTRACTOR SHALL COMPLY WITH ALL RULES AND

WITH THESE THROUGHOUT CONSTRUCTION OPERATIONS.

FROM THE OWNER'S REPRESENTATIVE TO DO SO.

THE CONTRACTOR IS ENCOURAGED TO UTILIZE ANY AVAILABLE DATA

TO ESTIMATE GROUND CONDITIONS. SHOULD THE BIDDING CONTRACTOR

COMPLETED AT THE DISCRETION OF THE OWNER. NO TEST HOLES ARE

**GENERAL NOTES FOR CIVIL WORK** 

SUM PRICE ON THE PROJECT.

CONTRACTOR.

BE IN CONFLICT WITH THE UTILITIES.

**CLASS 1 (LAWN MIXTURE), AS PER PLAN** THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 659. SEEDING AND MULCHING. EXCEPT AS HEREIN MODIFIED.

ALL DISTURBED AREAS OR AREAS DESIGNATED FOR SEEDING SHALL BE GRADED AND SEEDED AND SHALL HAVE A MINIMUM OF 6" OF TOPSOIL OVER THE ENTIRE AREA. TESTING THE PH OF ANY EXISTING OR IMPORTED TOPSOIL PER ODOT 659.02 SHALL BE WAIVED. THE AREA SHALL BE HAND-RAKED AND DRESSED READY FOR SEEDING. NO STONE OVER 1" IN SIZE PERMITTED IN THE TOP 6".

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL.

IT'S THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE THE REQUIRED GERMINATION RATES AND ENSURE THE GRASS IS ESTABLISHED TO THE SATISFACTION OF THE OWNER WHICH MAY REQUIRE WATERING, REGRADING/ADDING TOPSOIL AND RESEEDING. ANY AREAS THAT HAVE ERODED OR WHERE NEW GRASS DID NOT GERMINATE SHALL BE ADDRESSED BY THE CONTRACTOR UNTIL THE AREAS ARE STABILIZED, SHAPED, AND DRAINED, AS INDICATED IN THE PLANS.

ANY DISTURBED AREA, OUTSIDE OF THE PROJECT WORK LIMITS, CAUSED BY THE CONTRACTOR'S WORK, SHALL BE RESTORED TO THE SATISFACTION OF THE PROPERTY OWNER AND PROJECT OWNER'S REPRESENTATIVE, AT THE CONTRACTOR'S SOLE EXPENSE. THIS ITEM INCLUDES: TOPSOIL, SEEDING, MULCHING, COMMERCIAL FERTILIZER, WATER, AND REPAIR SEEDING AND MULCHING.

PAYMENT FOR ITEM 659 SEEDING AND MULCHING, CLASS 1 (LAWN MIXTURE), AS PER PLAN, FOR ALL ABOVE OPERATIONS, SHALL BE INCLUDED IN THE LUMP SUM BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

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ISSUE DATE DESCRIPTION 12/07/23 FOR CONSTRUCTION

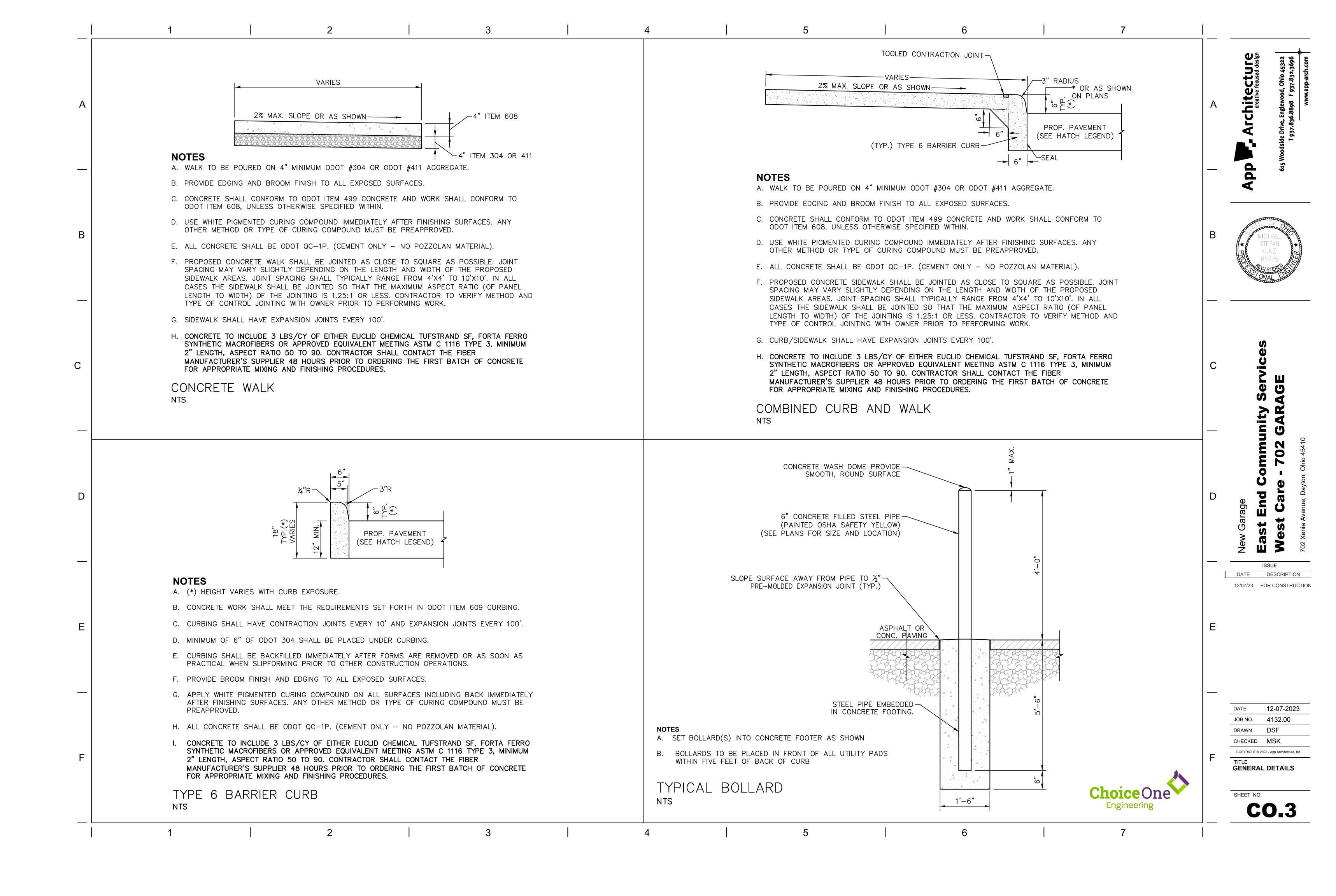
12-07-2023 DATE JOB NO. 4132.00 DSF DRAWN CHECKED MSK

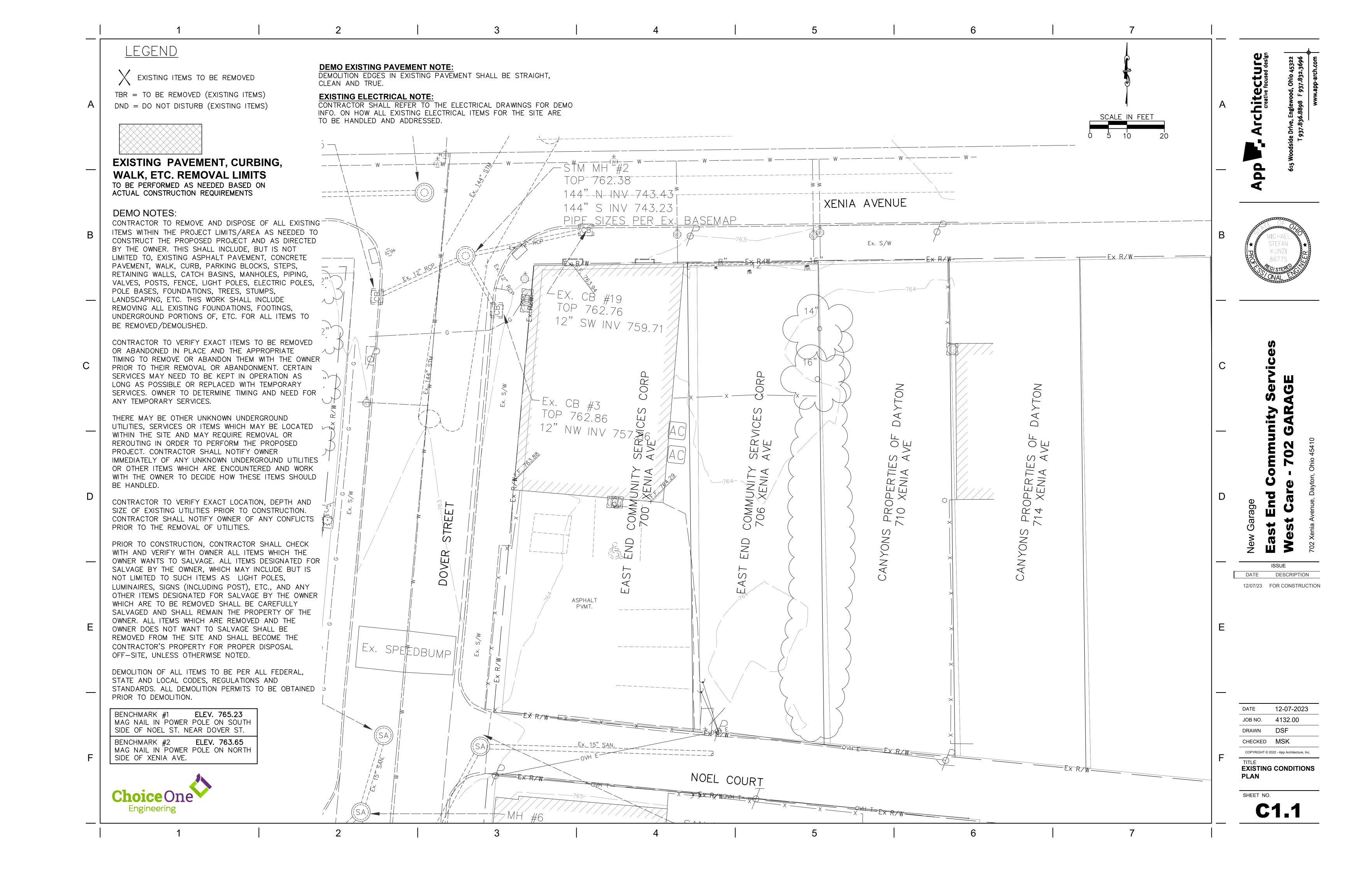
**GENERAL NOTES** 

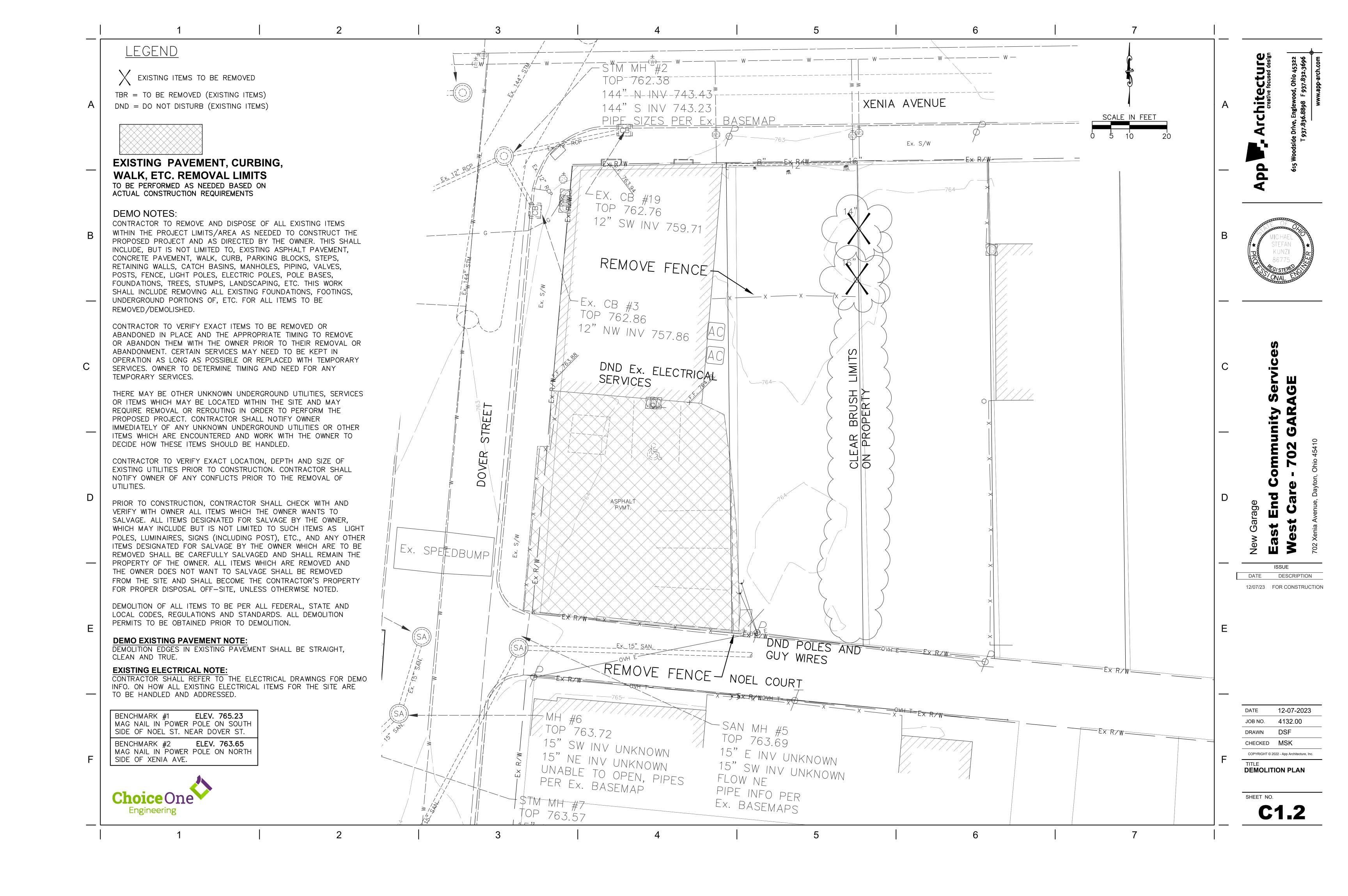
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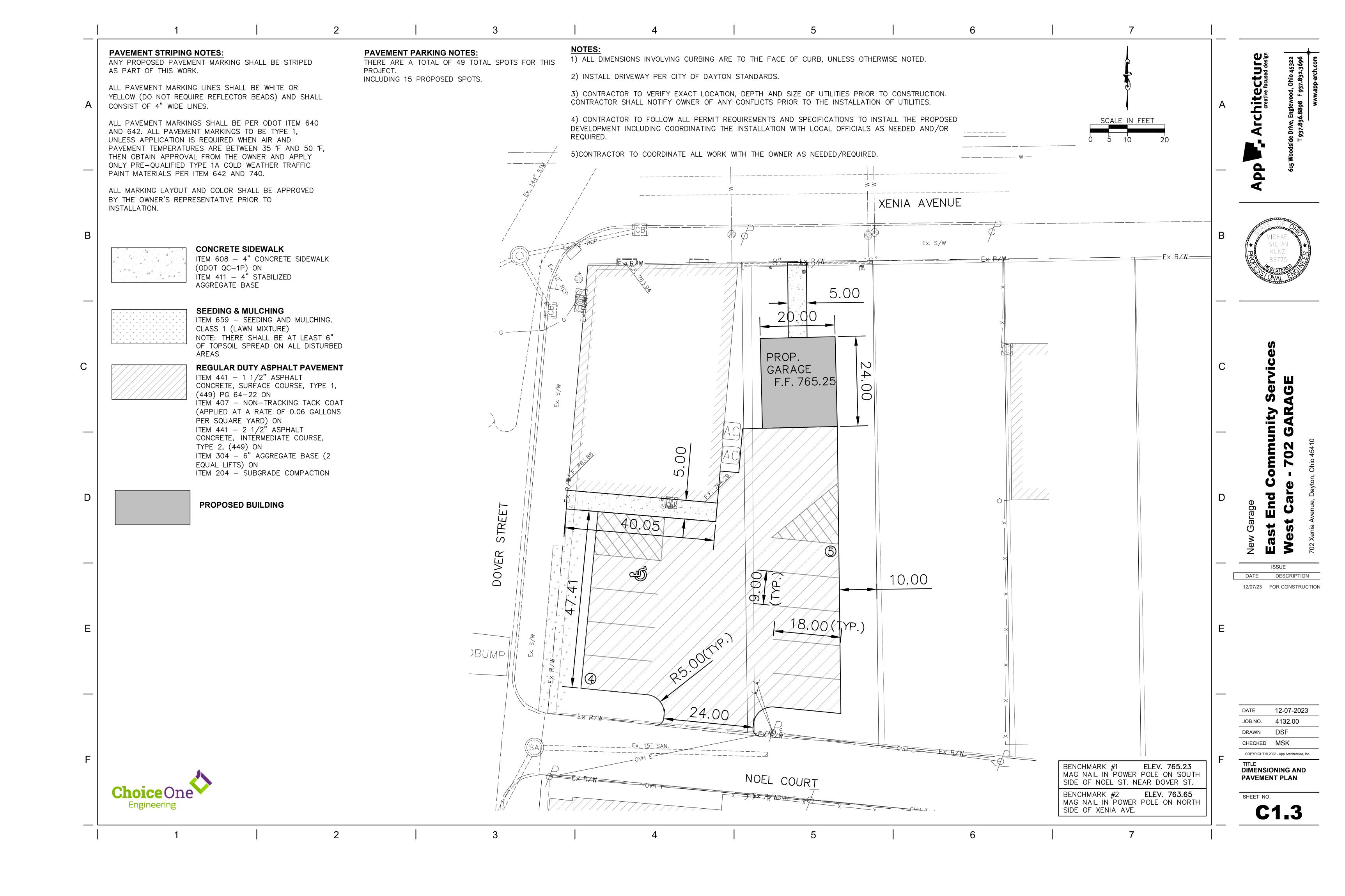
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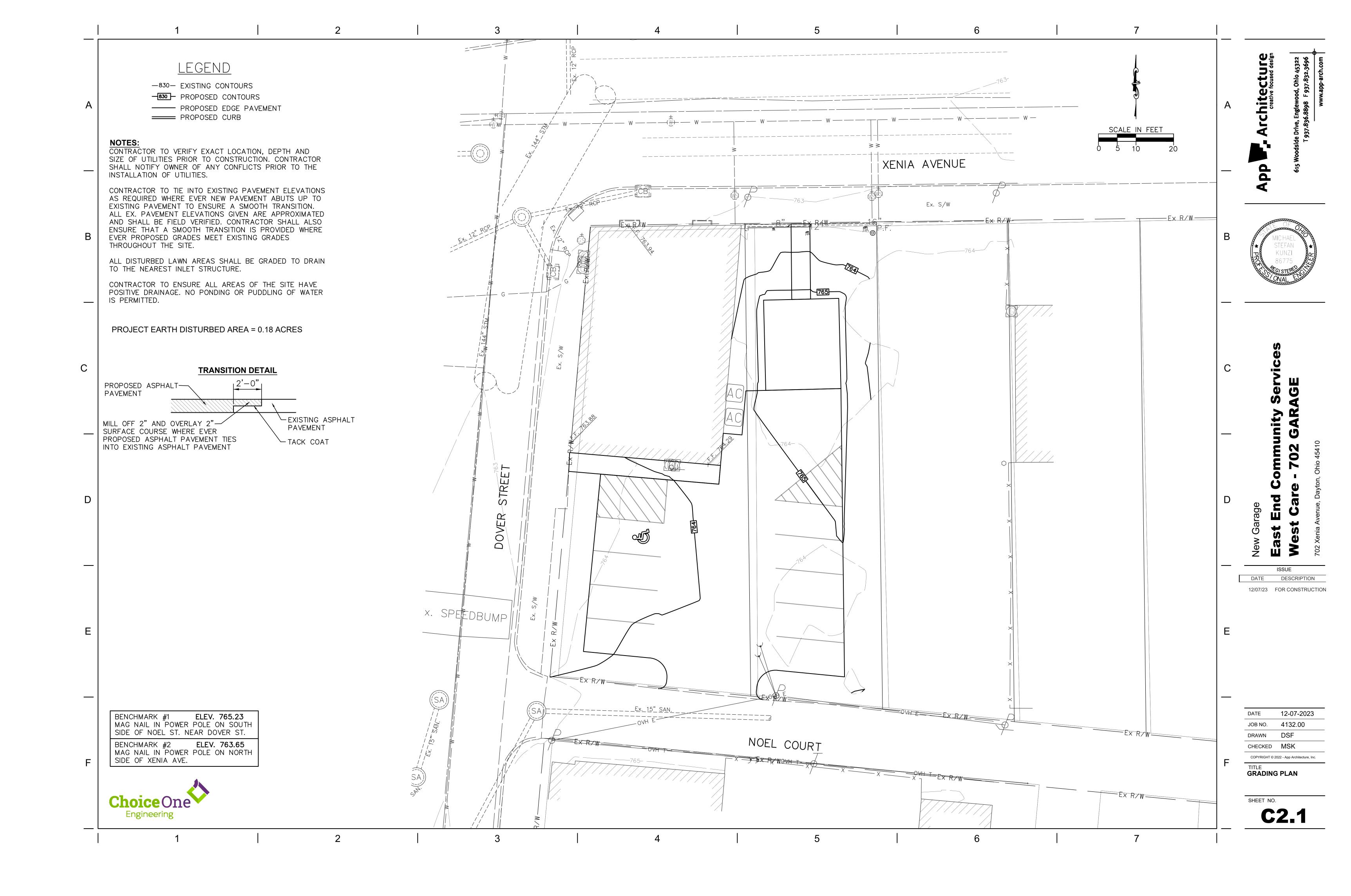
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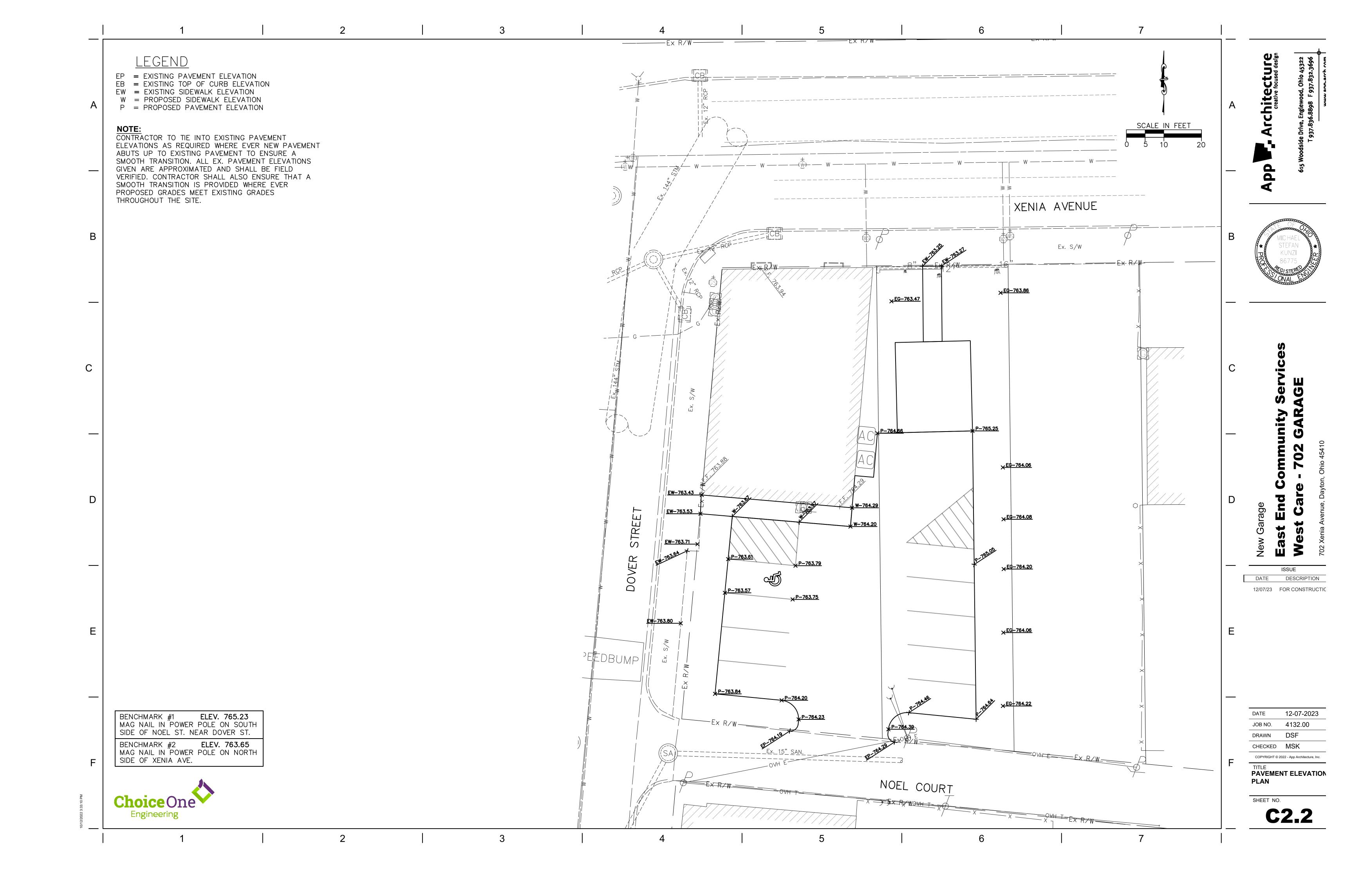


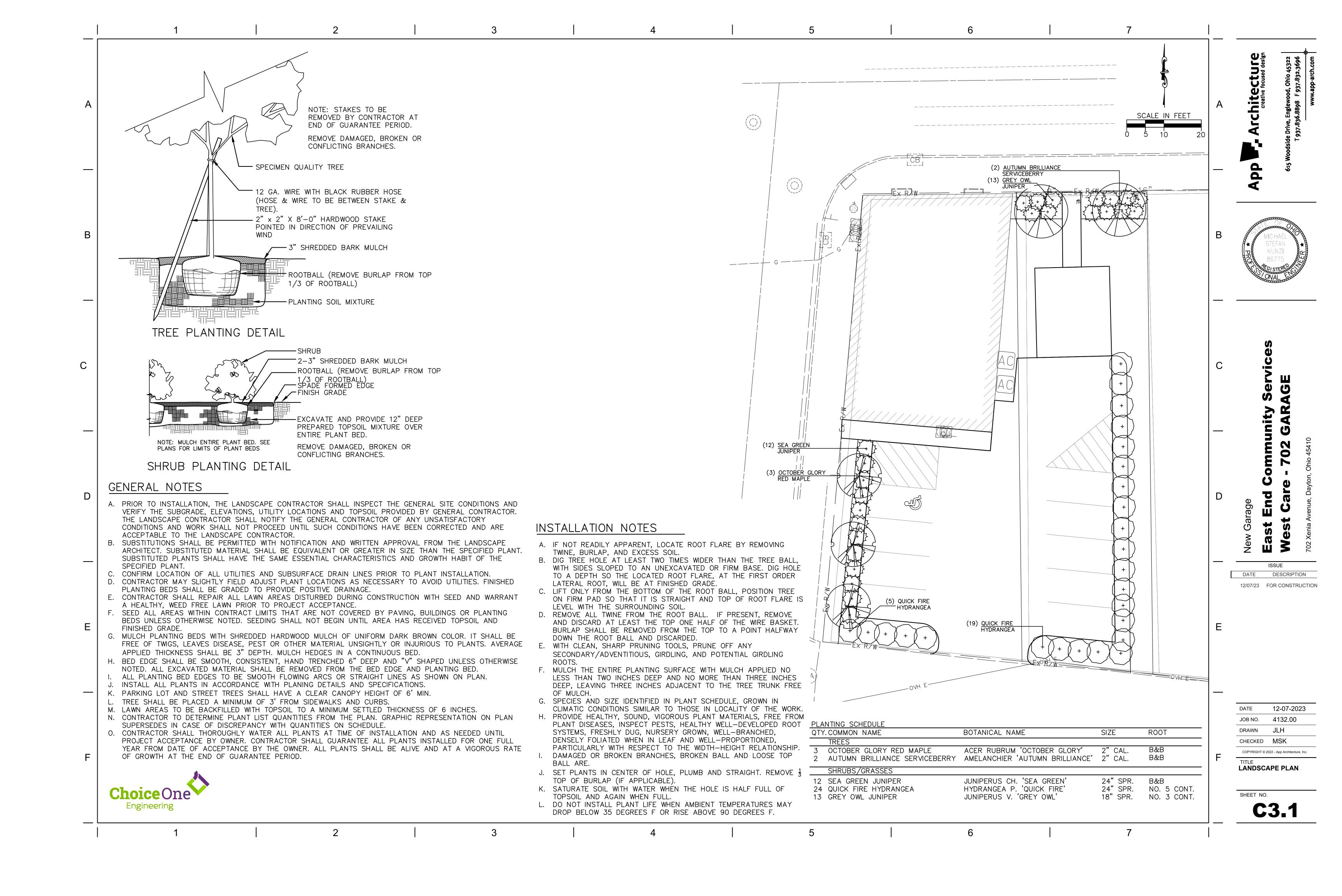












BE RATED FOR 90 DEGREE CELSIUS.

24. ALL LOW VOLTAGE CABLING INSTALLED IN SPACES WITHOUT A LAY-IN OR WITH A HARD CEILING SHALL BE INSTALLED IN CONDUIT AND BOXES.

ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED JUNCTION BOXES, PULL BOXES. ETC FOR A COMPLETE INSTALLATION PER THE N.E.C. AND LOCAL CODES. ALL CONDUCTORS SHALL COORDINATE WORK WITH OTHER TRADES. COORDINATION OR SCHEDULING SHALL BE RESPONSIBILITY OF THE INVOLVED CONTRACTORS.

	ELECTRICA	AL LEC	SEND
	LIGHTING		FIRE ALARM
A1 o	LIGHTING FIXTURE. REFER TO FIXTURE SCHEDULE. LETTER INDICATES	F	FIRE ALARM PULL STATION, 44" AFF MOUNTING HEIGHT
A1	TYPE.  EMERGENCY LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP.  "NL" INDICATES NIGHT LIGHT CIRCUIT. REFER TO FIXTURE SCHEDULE	<u>№</u> <b>Ф</b>	FIRE ALARM HORN/STROBE. 80" AFF MOUNTING HEIGHT  FIRE ALARM DUCT MOUNTED SMOKE DETECTOR. S = SUPPLY, R = RETURN - COORDINATE WITH DUCTWORK. MAKE SAMPLING TUBE FULL WIDTH OF DUCT IN LENGTH. PROVIDE SMOKE DETECTOR FOR DAMPER
C1 <b>o</b>	FOR BATTERY REQUIREMENTS.  LIGHTING FIXTURE. LETTER INDICATES TYPE.  EMERGENCY LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP.	R	OPERATION AND 120 VOLT POWER CONNECTION AS SHOWN ON THE POWER DRAWINGS. COORDINATE ALL CONNECTIONS WITH MECHANICAL CONTRACTOR. CONNECT TO ALARM SYSTEM.
X1 <b>N2</b> 4	CEILING MOUNTED EXIT SIGN. REFER TO FIXTURE SCHEDULE. SHADED AREA DENOTES FACE(S) OF UNIT. CONNECT TO LOCAL UNSWITCHED	S FAAP	FIRE ALARM CEILING MOUNTED SMOKE DETECTOR. FIRE ALARM ANNUNCIATOR PANEL.
	WALL MOUNTED EXIT SIGN. REFER TO FIXTURE SCHEDULE. SHADED	FACP	FIRE ALARM CONTROL PANEL.  FIRE ALARM STROBE. 80" AFF MOUNTING HEIGHT.
X1 <b>\$</b> ⊗H EM <b>□</b>	AREA DENOTES FACE(S) OF UNIT. CONNECT TO LOCAL UNSWITCHED LIGHTING CIRCUIT.  EMERGENCY EGRESS LIGHT. REFER TO FIXTURE SCHEDULE.	→BL WP	BLUE EXTERIOR STROBE LIGHT FOR FIRE DEPARTMENT CONNECTION WP - WEATHERPROOF
©	CEILING MOUNTED OCCUPANCY SENSOR.	FS	SPRINKLER SYSTEM FLOW SWITCH FURNISHED AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR, CONNECTED BY ELECTRICAL CONTRACTOR.
\$	SINGLE POLE WALL SWITCH. 120/277 VOLT, 20 AMP. 44" AFF.	TS	SPRINKLER SYSTEM GATE VALVE. SUPERVISORY SWITCH FURNISHED AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR, CONNECTED BY ELECTRICAL CONTRACTOR.
<sup>3</sup> \$ <sup>4</sup> \$	THREE WAY WALL SWITCH. 120/277V, 20 AMP. 44" AFF  FOUR WAY WALL SWITCH. 120/277V, 20 AMP. 44" AFF	<b>QF</b> WP	FIRE ALARM STROBE. 80" AFF MOUNTING HEIGHT.
oc <sub>\$</sub>	OCCUPANCY SENSOR WALL SWITCH. 120/277V, 20 AMP. 44" AFF		MAGNETIC DOOR HOLD OPEN.
DOC\$	OCCUPANCY SENSOR WALL SWITCH WITH 0-10V DIMMING. 120/277V, 20 AMP. 44" AFF	RPS	FIRE ALARM REMOTE POWER SUPPLY.
P\$	SINGLE POLE WALL SWITCH WITH PILOT LIGHT. 120/277V, 20 AMP. 44" AFF	Z	FIRE ALARM MONITOR MODULE.
¤	EXTERIOR LIGHT FIXTURE. ER, EXISTING TO REMAIN, PL1 - NEW FIXTURE. REFER TO FIXTURE SCHEDULE.	R	FIRE ALARM CONTROL RELAY MODULE.
	_	E.O.L.R.	END OF THE LINE RESISTOR.
<b>M</b>	POWER AND ASSAULT OF ASSAULT	KB	FIRE ALARM CONTROL RELAY MODULE.
<u>Ф</u>	DUPLEX RECEPTACLE. 120 VOLT, 20 AMP. 18" AFF UNO.  DUPLEX RECEPTACLE WITH USB PLUG. 120 VOLT, 20 AMP. 18" AFF UNO.		DOOR ACCESS
	DUPLEX RECEPTACLE MOUNTED AT 46" OR ABOVE BACKSPLASH. 120	E	ELECTRIC DOOR STRIKE.
<b>₩</b>	VOLT, 20 AMP.  DOUBLE DUPLEX RECEPTACLE. 120 VOLT, 20 AMP. 18" AFF UNO.		DOOR SWITCH/CONTACT.
11	BOODLE BOI LEXINEGEL TAGLE. 120 VOLT, 20 AWIL TO ALL ONG.	CR	KEY OR KEYCARD ACTIVATED SWITCH IN TAMPER PROOF ENCLOSURE.
<del>¶</del>	120 VOLT DOUBLE DUPLEX, 20 AMP RECEPTACLE MOUNTED AT 46" AFF OR 4" ABOVE BACKSPLASH.	НС	WP - WEATHERPROOF.  HANDICAP DOOR ACCESS BUTTON IN FLUSH WALL BOX.
⊕ <sub>GF/WP</sub>	DUPLEX RECEPTACLE WITH GROUND FAULT PROTECTION. 120 VOLT, 20 AMP. 18" AFF UNO, WP-WEATHERPROOF BOX		INTRUDER DETECTION SYSTEM
<u>Φ</u>	FLUSH FLOOR DUPLEX RECEPTACLE IN FLOOR BOX  120 VOLT SINGLE 20 AMP RECEPTACLE.	PIR	CEILING MOUNTED MOTION SENSOR DEVICE.
Ψ <sub>c</sub>		KP	CEILING MOUNTED MOTION SENSOR DEVICE.
πС	DUPLEX RECEPTACLE. CEILING MOUNTED		SECURITY CAMERA
d d	SPECIAL PURPOSE RECEPTACE. REFER TO FLOOR PLANS FOR NEMA CONFIGURATION.  FRACTIONAL HP MOTOR STARTER WITH THERMAL OVERLOADS.	0	DATA & COMMUNICATION
\$ <sub>m</sub>	ELECTRICAL MOTOR.	$\nabla^2$	DATA /COMMUNICATION OUTLET. TWO PORTS REFER TO DETAIL FOR MOUNTING REQUIREMENTS.
<unnamed></unnamed>	HOMERUN TO PANELBOARD. NOTION INDICATES PANEL AND CIRCUIT NUMBER. (ALL CONDUCTORS SHALL BE #10 UNLESS NOTED	$\nabla_{W}$	WALL PHONE. 54" AFF.  DATA OUTLET. 18" AFF.
,	OTHERWISE.) ELECTRICAL PANELBOARD.	$\bigvee^4$	DATA/COMMUNTICATION. FOUR PORT DATA, 18" AFF.
9	JUNCTION BOX.	6 \( \nabla \)	DATA/COMMUNTICATION. FOUR PORT DATA, 18" AFF.
	CONDUIT STUB-OUT AND CAP BELOW GRADE. MARK STUB-OUT AT GRADE LEVEL.	WAP	
—UE—	UNDERGROUND HIGH VOLTAGE OR SECONDARY SERVICE FEED.	$\nabla$	WIRELESS ACCESS CONNECTION POINT WITH CEILING MOUNTED CISCO WIRELESS DEVICE.
r□ <sub>4X</sub>	SAFETY DISCONNECT SWITCH (NON-FUSED). 4X INDICATES ENCLOSURE TYPE.		
- FD	SAFETY DISCONNECT SWITCH (FUSED).  COMBINATON MOTOR STARTER/DISCONNECT. WITH HOA SWITCH AT		
	UNIT (FUSIBLE). OR (CIRCUIT BREAKER FOR ELEVATOR).  TRANSFORMER (NUMBER INDICATES WHICH TRANSFORMER).		
HD	HAND DRYER, VERIFY MOUNTING WITH SUPPLIER		
	GENERAL		
-	DETAIL # DETAIL REFERENCE TAG, DRAWING # REFER TO DETAIL SHEETS		
⋘	KEYNOTE FOR DRAWING		
	DETAIL REFERENCE TAG (SECTION)		ELECTRICAL INDEX OF DRAWINGS
<u>EF-1</u>	MECHANICAL EQUIPMENT TAG. REFER TO EQUIPMENT DATA SCHEDULE.	SHE NUM	EET IBER SHEET NAME
φ	INDICATES NEW WORK.	E1	.1 ELECTRICAL PLANS
Ę,	INDICATES TO BE REMOVED.		The state of the s
Ф	INDICATES EXISTING TO REMAIN.		

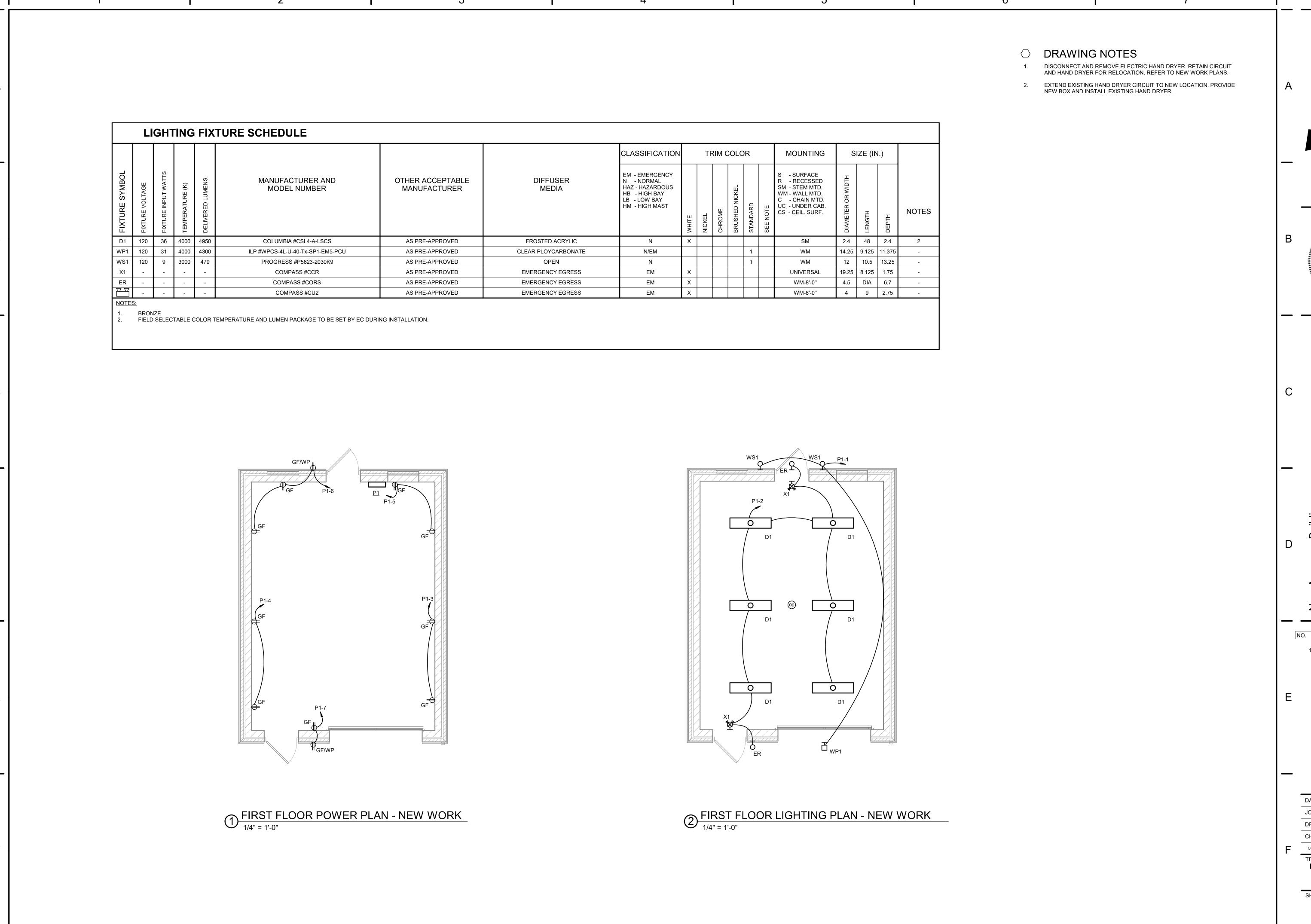
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**ELECTRICAL LEGEND** AND GENERAL NOTES



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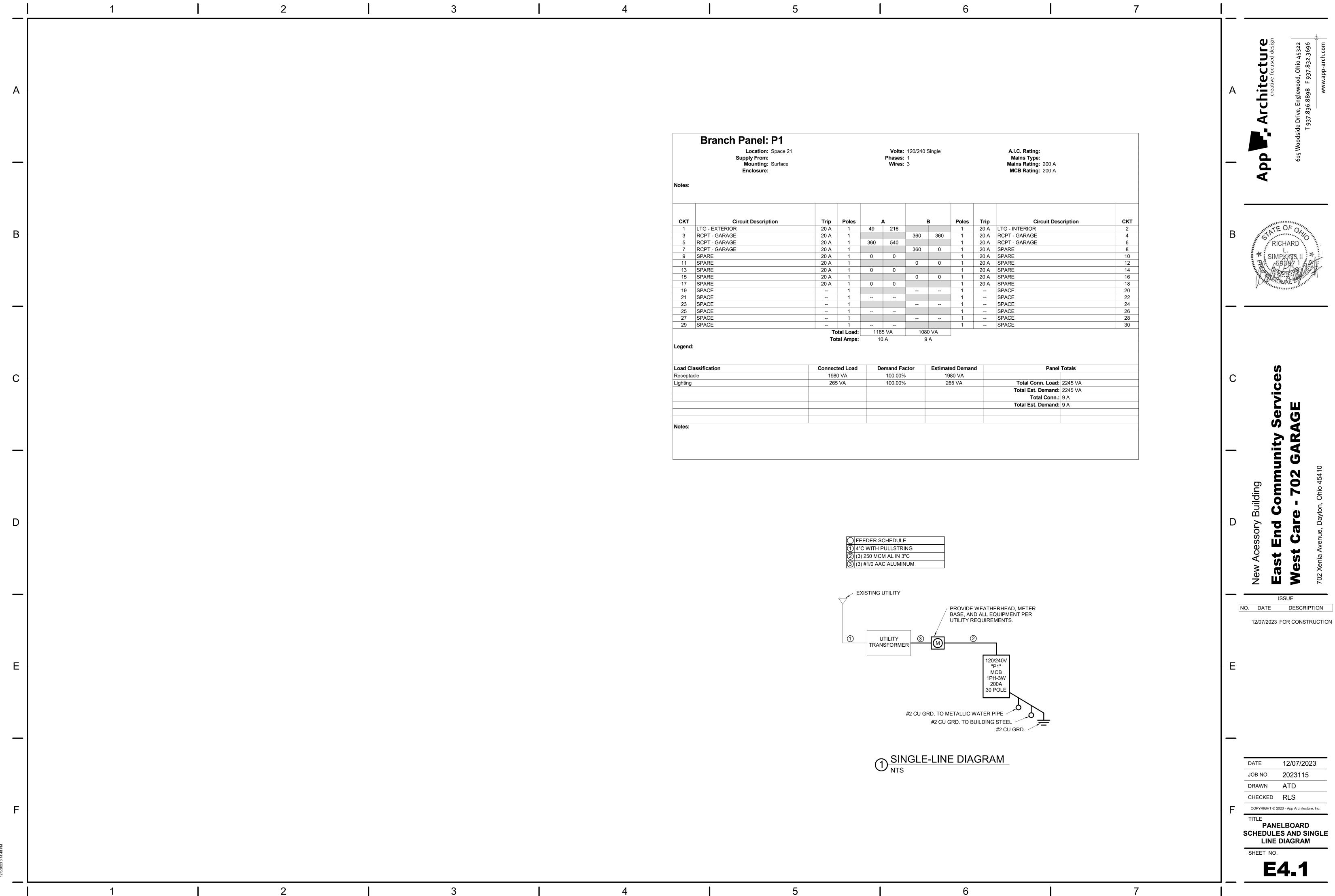
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**ELECTRICAL PLANS** 



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**PANELBOARD** LINE DIAGRAM

DETAILS AND SPECIFICATIONS. IF THE CONNECTIONS ARE NOT DESIGNED FOR THE LATERAL

FROM LOAD REVERSALS IN THE STRUCTURAL SYSTEMS.

MOVEMENT, THE GLAZING SYSTEM SHALL BE DESIGNED TO ACCOMMODATE 3/8" HORIZONTAL STORY DRIFT IN EACH DIRECTION AT EACH STORY LEVEL TO ACCOUNT FOR DIFFERENTIAL DISPLACEMENTS 86 72 72 86 72 72

fc = 4000 PSI TENSION LAP SPLICE LENGTHS (INCHES) - TOP BARS (NOTES 1 AND 2)

rc = 4000 PSI TENSION LAP	SPLICE	LENGII	15 (INCI	1ES) - 1	OP BAR	S (NOTE	:5 1 ANL	) 2)	
BAR COVER (INCHES)	3/4		1 1/2			1 1/2			
BAR SPACING (INCHES)	2 1/2	4	>=6	2 1/2	4	>=6	2 1/2	4	>=6
#4	25	25	25	25	25	25	25	25	25
#5	31	31	31	31	31	31	31	31	31
#6	37	37	37	37	37	37	37	37	37
#7	60	60	60	57	54	54	57	54	54
#8	-	-	-	74	62	62	74	62	62
#9	-	-	-	94	70	70	94	70	70

TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE

109 81 63 109 81 81

FOR BARS OTHER THAN TOP BARS, DIVIDE DEVELOPMENT LENGTH SPECIFIED IN TABLE BY 1.3. INTERPOLATE FOR SPLICE LENGTHS AS NECESSARY

TENSION LAP SPLICES ARE BASED ON CLASS B. FOR CLASS A, DIVIDE BY 1.3. UNLESS NOTED OTHERWISE

IN DRAWINGS. ASSUME ALL SPLICES AS CLASS B.

IF SPLICE DIMENSION IS INDICATED IN DRAWINGS, PROVIDE LARGER SPLICE LENGTH.

LAP SPLICE TABLES ARE BASED ON ACI 318002, SECTIONS 12.2.2, 12.2.3 & 12.14.2

VALUES SHOWN IN TABLE MAY BE LOWERED WITH Ktr IF TRANSVERSE REINFORCEMENT EXISTS PER

**GENERAL NOTES** 

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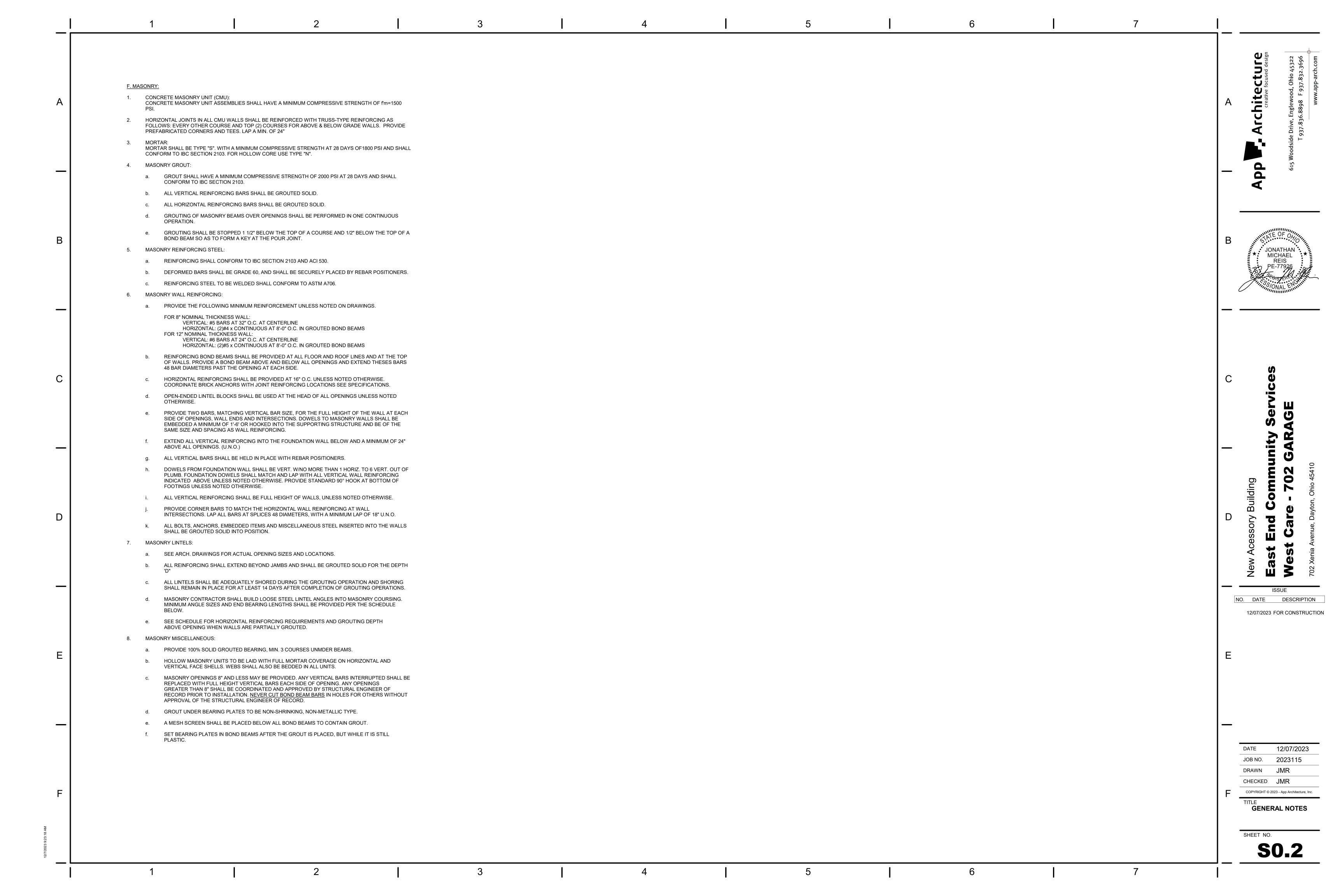


TABLE 1705.3 REQUIRED S	PECIAL INSPECTIONS A	AND TESTS OF COM	NCRETE CONSTRUCTION	
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.		x	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING:				
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706;		x		
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16";		x	AWS D1.4 ACI 318: 26.6.4	
c. INSPECT ALL OTHER WELDS.	x			
3. INSPECT ANCHORS CAST IN CONCRETE.		х	ACI 318: 17.8.2	
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.  a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINDED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	x		ACI 318: 17.8.2.4	
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT IDENTIFIED IN 4.a		×	ACI 318: 17.8.2	
5. VERIFY USE OF REQUIRED DESIGN MIX.		x	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	х		ASTM C172, ASTM C31 ACI 318: 26.4, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	х		ACI 318: 26.5	1908.6 - 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		x	ACI 318: 26.5.3-26.5.5	1908.9
9. INSPECT PRE-STRESSED CONCRETE FOR:				
a. APPLICATION OF PRE-STRESSING FORCES;	x		ACI 318: 26.10	
b. GROUTING OF BONDED PRE-STRESSING TENDONS	х			
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.		x	ACI 318: 26.9	
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STUCTURAL SLABS.		х	ACI 318: 26.11.2	
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		х	ACI 318: 26.11.1.2(b)	

## TABLE 1705.6 REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		х
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		х
3. PERFOM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		х
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	Х	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		х

A/E - ARCHITECT/ENGINEER AB - ANCHOR BOLT/ROD AFF - ABOVE FINISH FLOOR ARCH. - ARCHITECT (URAL) BFF - BELOW FINISH FLOOR BLK - BLOCK (ING) BM - BEAM

**BRG - BEARING** BU - BUILT UP B/ - BOTTOM OF CAM (C=) - CAMBER CIP - CAST-IN-PLACE CJ - CONTROL JOINT

CL - CENTERLINE CLR - CLEAR CMU - CONCRETE MASONRY UNIT COL - COLUMN CONC - CONCRETE CONN - CONNECT (ION) CONT - CONTINUOUS CONTR - CONTRACT (OR) CTR - CENTER CU - CUBIC

D - DEEP, DEPTH DBL - DOUBLE DEMO - DEMOLITION, DEMOLISH DET - DETAIL DIA - DIAMETER DIAG - DIAGONAL. DIAGRAM DIM - DIMENSION **DIR - DIRECTION** DL - DEAD LOAD DR - DRAIN **DWG - DRAWING** 

EA - EACH EF - EACH FACE **EJ - EXPANSION JOINT** EL, ELEV - ELEVATION EMBED - EMBEDMENT EQ - EQUAL EST - ESTIMATE EW - EACH WAY **EQUIP - EQUIPMENT** EXP - EXPANSION

EXT - EXTERIOR FD - FLOOR DRAIN FF - FINISHED FLOOR FIN - FINISH (ED) FLG - FLANGE FLR - FLOOR (ING) FOC - FACE OF CONCRETE FOM - FACE OF MASONRY FOS - FACE OF STUD FOW - FACE OF WALL FS - FAR SIDE FT - FOOT, FEET FTG - FOOTING

FRMG - FRAMING

FUT - FUTURE GA - GAGE, GAUGE GALV - GALVANIZED GC - GENERAL CONTRACTOR GEN - GENERAL GL - GRADE LINE GLU-LAM - GLUE-LAMINATED BEAM GR BM - GRADE BEAM GYP BD - GYPSUM BOARD

H - HIGH HAS - HEADED ANCHOR STUD HC - HOLLOW CORE HDR - HEADER HGR - HANGER HORIZ - HORIZONTAL HR - HANDRAIL HS - HIGH STRENGTH HSB - HIGH STRENGTH BOLT HSS - HOLLOW STRUCTURAL SHAPE

HT - HEIGHT

ID - INSIDE DIAMETER INCL - INCLUDING INT - INTERIOR JST - JOIST JT - JOINT K - KIPS (1000 lbs.)

KCJ - KEYED CONSTRUCTION JOINT KLF - KIPS PER LINEAR FOOT KSF - KIPS PER SQUARE FOOT KSI - KIPS PER SQUARE INCH

L - ANGLE LL - DOUBLE ANGLE LBS - POUNDS LG - LONG LL - LIVE LOAD LLH - LONG LEG HORIZONTAL LLV - LONG LEG VERTICAL LOC - LOCATION

LONG - LONGITUDINAL LSL - LAMINATED STRAND LUMBER LT WT - LIGHT WEIGHT LVL - LAMINATED VENEER LUMBER MATL - MATERIAL MAX - MAXIMUM MBR - MEMBER MC - MISCELLANEOUS CHANNEL

MECH - MECHANICAL MEZZ - MEZZANINE MFD - MANUFACTURED MFR - MANUFACTURER MIN - MINIMUM MISC - MISCELLANEOUS

MTL - METAL NA - NOT APPLICABLE NIC - NOT IN CONTRACT NO - NUMBER NOM - NOMINAL NS - NEAR SIDE NTS - NOT TO SCALE

OC - ON CENTER OD - OUTSIDE DIAMETER OH DR - OVERHEAD DOOR OPNG - OPENING OPP - OPPOSITE OSB - ORIENTED STRAND BOARD OVS - OVERSIZED

PAF - POWDER ACTUATED FASTENER PCF - POUNDS PER CUBIC FOOT PL - PLATE PLF - POUNDS PER LINEAR FOOT

PLYWD - PLYWOOD PNL - PANEL PR - PAIR, PIPE RAIL PRCST - PRECAST PREFAB - PREFABRICATED PSF - POUNDS PER SQUARE FOOT PSI - POUNDS PER SQUARE INCH PT - POST TENSION (ED), PRESSURE

TREATED - RADIUS RCP - REINFORCED CONCRETE PIPE RD - ROOF DRAIN **REF - REFERENCE REINF - REINFORCING** REQ'D - REQUIRED **REV - REVISION** RO - ROUGH OPENING

SCHED - SCHEDULE SECT - SECTION SHT - SHEET SHTHG - SHEATHING SIM - SIMILAR SL - SNOW LOAD SLV - SLEEVE SOG - SLAB-ON-GRADE

SPEC - SPECIFICATION SQ - SQUARE SSL - SHORT SLOTTED SST - STAINLESS STEEL STD - STANDARD STIF - STIFFENER

STL - STEEL SUSP - SUSPENDED SW - SHEAR WALL SYMM - SYMMETRICAL

T&B - TOP AND BOTTOM T&G - TONGUE AND GROOVE TBD - TO BE DETERMINED THK - THICK (NESS) TL - TOTAL LÒAD TO - TOP OF

TOB - TOP OF BEAM TOC - TOP OF CONCRETE TOCW - TOP OF CONCRETE WALL TOF - TOP OF FOOTING TOM - TOP OF MASONRY TOS - TOP OF STEEL

TOW - TOP OF WALL TRANS - TRANSVERSE TYP - TYPICAL

UNO - UNLESS NOTED OTHERWISE V - SHEAR **VERT - VERTICAL** VIF - VERIFY IN FIELD

VR - VAPOR RETARDER VRFY - VERIFY W - WIDTH W/ - WITH W/O - WITHOUT WD - WOOD

WF - WIDE FLANGE WL - WIND LOAD WLD - WELD (ED) WP - WATERPROOFING, WORK POINT WS - WATERSTOP

WT - WEIGHT WWF - WELDED WIRE FABRIC

 $\overline{Y}D - YARD$ 



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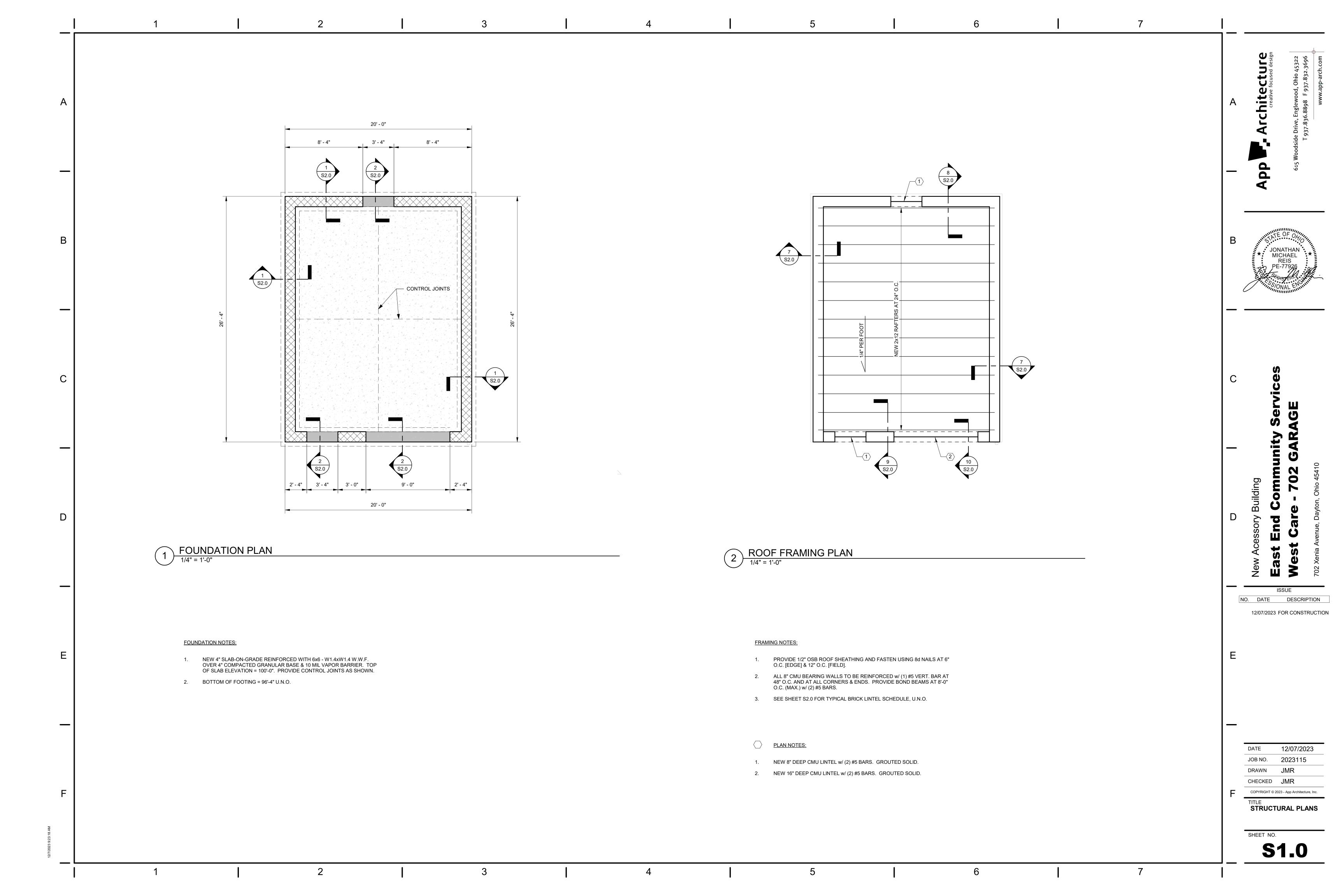
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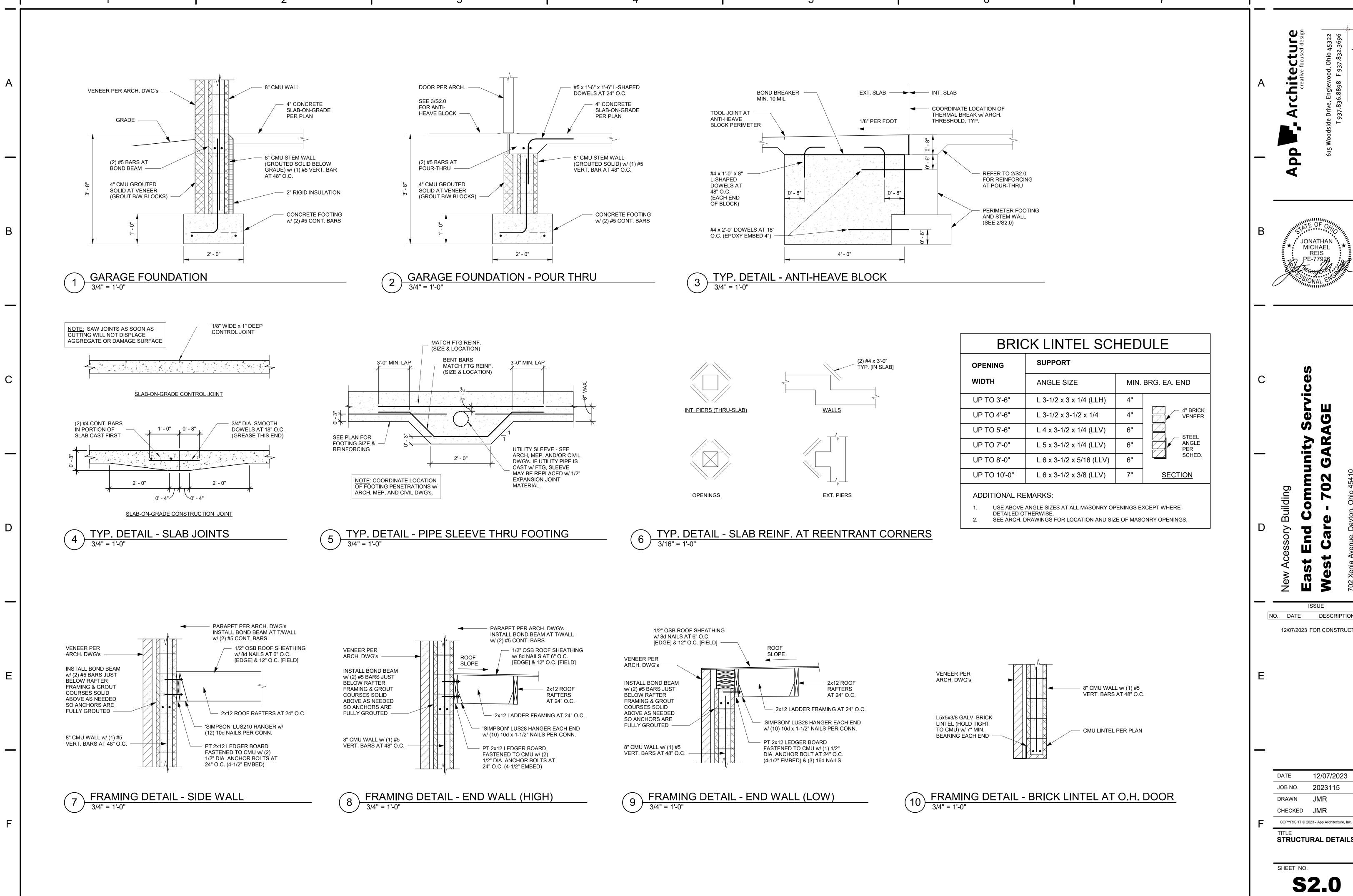
SPECIAL INSPECTIONS

SHEET NO.

## **SPECIAL INSPECTION PROGRAM NOTES:**

- 1. PERIODIC INSPECTION FREQUENCY DETERMINED BY THE DESIGN PROFESSIONAL, UNLESS NEEDED OTHERWISE.
- 2. CONTINUOUS OR PERIODIC SELECTION TO BE MADE BY THE DESIGN PROFESSIONAL BASED ON BUILDING CATEGORY AND DESIGN METHODOLOGY.
- THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL FOR THE INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION STIPULATED.
- IF NECESSARY, THE CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING WITH THE ARCHITECT, ENGINEER, BUILDING OFFICIAL, AND TESTING AGENCY TO REVIEW THE SPECIAL INSPECTION REQUIREMENTS.
- 5. DUTIES OF THE SPECIAL INSPECTOR INCLUDE, BUT ARE NOT LIMITED TO:
  - A. ACKNOWLEDGE AND CONFORM TO THE SPECIAL INSPECTION REQUIREMENTS OF OBC.
  - B. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK FOR CONFORMANCE WITH THE APPROVED PERMIT PLANS AND SPECIFICATIONS. ALL DISCREPANCIES SHALL BE BROUGHT TO IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE ATTENTION OF THE ARCHITECT, THE ENGINEER AND THE BUILDING OFFICIAL.
  - C. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE CONTRACTOR, THE ARCHITECT, THE ENGINEER AND THE BUILDING OFFICIAL AS A MINIMUM. THE REPORTS SHALL BE DISTRIBUTED IN A TIMELY MANNER.
  - D. INSPECTION FOR PREFABRICATED COMPONENTS SHALL BE THE SAME AS IF THE MATERIAL WAS INSTALLED ON SITE. CONTINUOUS INSPECTION SHALL NOT BE REQUIRED DURING THE PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE.
  - E. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT STATING WHETHER THE WORK REQUIRING INSPECTION WAS INSPECTED AND WHETHER THE WORK WAS COMPLETED IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATION AND IN CONFORMANCE WITH ANY APPLICABLE WORKMANSHIP PROVISIONS OF THE APPLICABLE CODE.
- SPECIAL INSPECTION AND TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.





JONATHAN MICHAEL

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STRUCTURAL DETAILS

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