RENOVATIONS AND IMPROVEMENTS BECKHAM EDUCATION CENTER



PROJECT TEAM SYMBOL LEGEND

KANSAS CHRISTIAN COLLEGE

OVERLAND PARK, KS 66204

4061 HIGHWAY PP, SUITE 2

POPLAR BLUFF, MO. 63901

STRUCTURAL ENGINEER:

KANSAS CITY MO 64118

1(816) 587-0101

MEP ENGINEER

25618 W 103RD ST

OLATHE, KS 66061

1(913) 345-2127

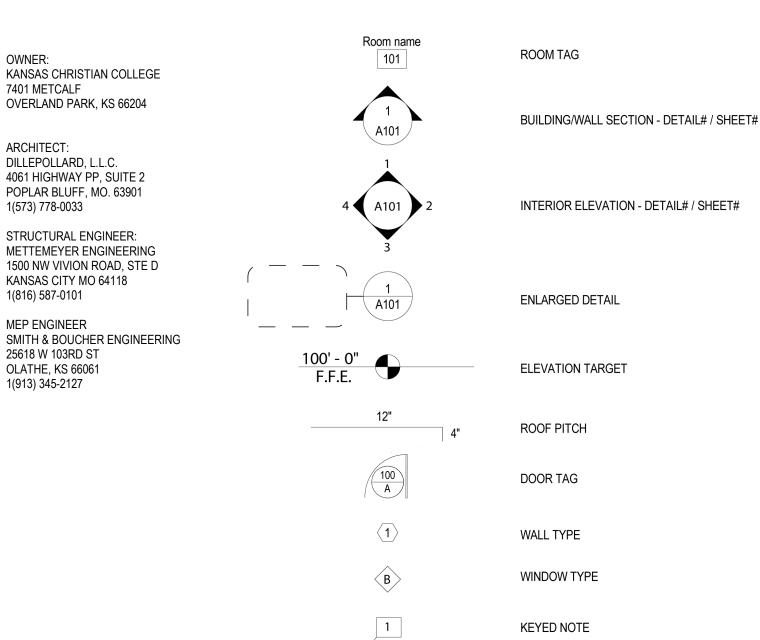
METTEMEYER ENGINEERING

1500 NW VIVION ROAD, STE D

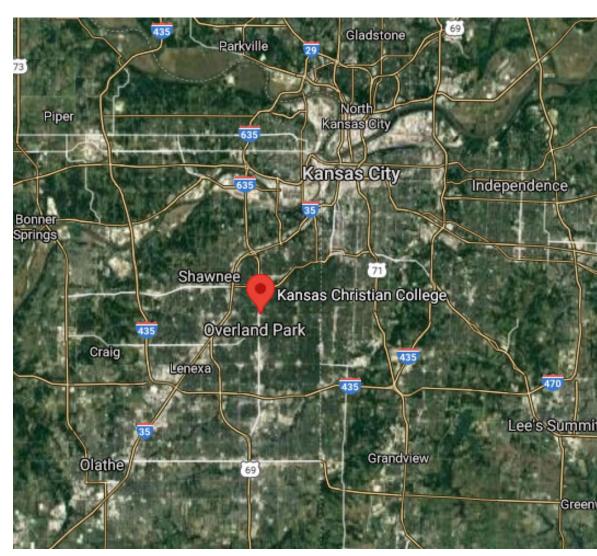
7401 METCALF

ARCHITECT:

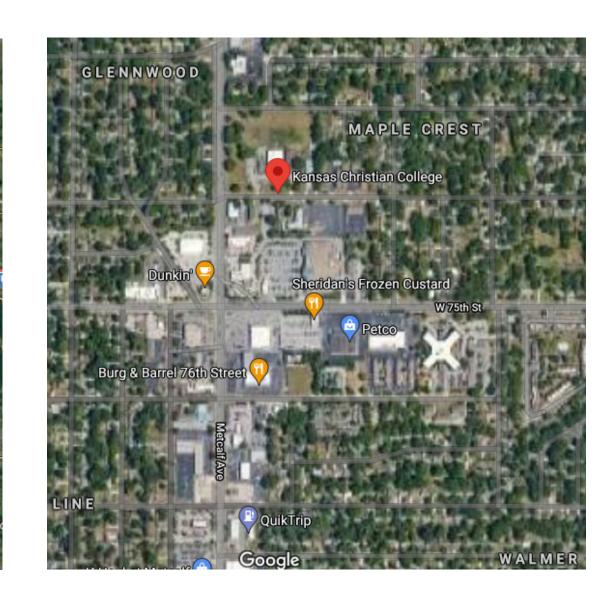
DILLEPOLLARD, L.L.C.



CITY LOCATION MAP



SITE LOCATION MAP



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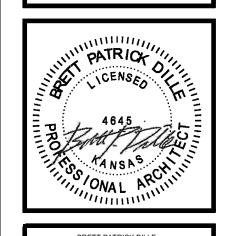
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DECEMBER 15, 2023 TITLE SHEET

CONFIDENTIAL NATURE

20-03





ARCHITECTURAL CORPORATION MISSOURI LICENSE NO. 2009003483



ATIONS TO:

BECKHAM EDUCATION TA01 METCALF OVERLAND PARK, KS

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DECEMBER 15, 2023

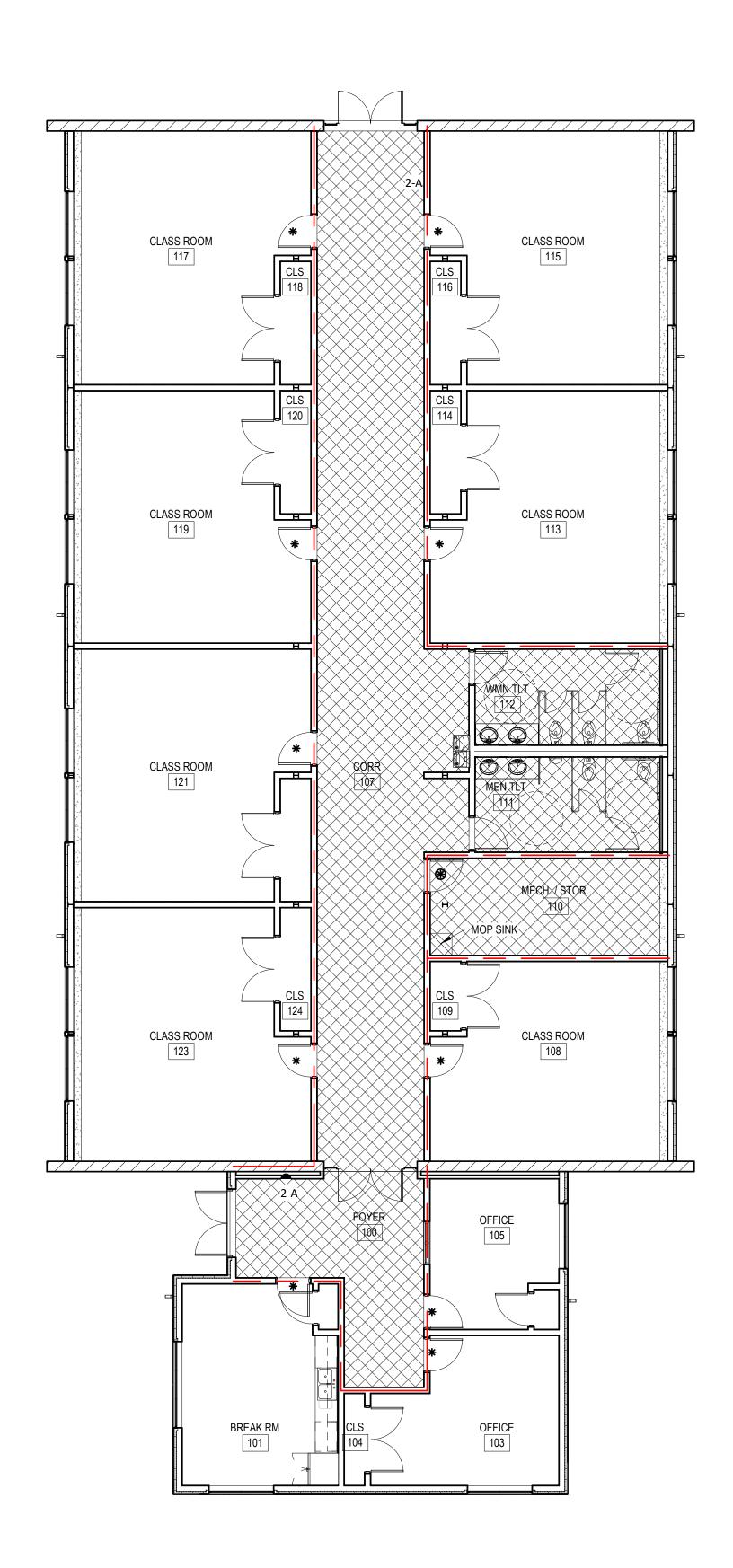
SHEET TITLE

ARCHITECTURAL SITE

JOB NO.

20-03

A1.0



1/8" = 1'-0"

CODE LEGEND

FIRE EXTINGUISHER & CABINET RE: SPECS



EXIT

1 HOUR RATED WALL PARTITION U.L. ASSEMBLY U314

RC 2602

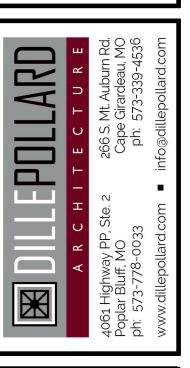
20 MIN. RATED 60 MIN. RATED 1 HOUR RATED FIRE CEILING U.L. ASSEMBLY GA FILE NO.

BECKHAM EDUCATION CENTER							
Code Study							
2018 International Building Code (IBC)							
Regulation	Section	Description(s)					Comments
Occupancy	303.4	Е			Occupancy		
Occupancy Load	Group	Area	Occupants		Occupant load factor		Occupant load factor per table 1004.5
Classrooms		3,124	157		1 per 20 square feet		
Office 105 & 103		372	2		1 per Office		
Breakroom		259	0		non-simultaneous use		
Storage / Mech. Rooms/ Utility Rm		429	0		non-simultaneous use		
Circulation (Corr. 107, Foyer 100)		1,276	0		non-simultaneous use		
Toilet Rooms		304	0		non-simultaneous use		
Non-assignable space/walls		832			not applicable		
Gross Building Area		6596	159		total occupants		
Construction Type	602.5		Type V-B	3			
Building Height - Allowable	Table 504.3	Group E 40 ¹ /1 story					
Building Height - Actual		21'/1 story above grade					
Area - Allowable	Table 506.2	Group E					
Area - Actual		9,500 s.f. Allowed per floor 6,596 s.f.	Non-sprinkled Non-sprinkled				
Fire Resistance Rating Requirements for Building		0,020 0111	Tion-sprinkled				
Elements	Structural Frame	0 Hrs					
Table 601	Bearing Walls - Ext	0 Hrs					
Table 601	Bearing Walls - Int	0 Hrs					
	Non-bearing Walls - Ext						
	Non-bearing Walls - Int	0 Hrs					
	Floor Construction	0 Hrs					
	Roof Construction	0 Hrs					
Fire Resistance Rating Requirements for Exterior							
Walls Based on Separation Distance	South	>30 ft = 0 Hrs					
Table 602	North	>30 ft = 0 Hrs					
	West	>30 ft = 0 Hrs					
	East	>30 ft = 0 Hrs					
Fire Protection							
Automatic Sprinkler Systems	903.2.3	Group E - Not Required	*fire area not greater than	n 12,000 sf. *sing	gle level. * occupancy	<300	Not provided
Standpipes	905.3	Group E - Not Required					Not provided
Fire Alarm & Detection	907.2.1	Group E - Required					Manual Fire Alarm provided.
Means of Egress							
Minimum Number of Exits		2 Group E - 2 Req'd					2 Provided
Egress Width	1005.3.	2 Group E - 0.2"/Occupant					159 occupants = 31.8" Required; 144" Provided
Evit Agges Traval Distance	T-LL- 1017	2 Group E 200 ft (m/o anni-1-1)					- (2) 72" openings
Exit Access Travel Distance		2 Group E - 200 ft (w/o sprinklers)					<100 ft maximum path
Means of Egress Illumination	Section 1008	Exit Lights Emergency Lighting					Emergency power via battery backup Emergency power via battery backup
Corridor Fire Resistance	Table 1020.1	Group E - 1 hr. w/o sprinkler					Emergency power via dancity dackup
Contidui i iic reconsidilee	National Electrical Code	Group L - Till. W/O sprillikier					New equipment and installations shall be per the 2017 National Electrical
Electrical	rational Electrical Code						Code
Mechanical	2801.	1					New HVAC to be installed per 2018 International Mechanical Code
Plumbing		Table 2902.1	REQUIRED		PROVIDED		Plumbing per 2012 International Plumbing Code
		WATER CLOSETS	1		10	5	1 per 50
		LAVATORIES	4			1	1 per 50 1 per 50
		DRINKING FOUNTAINS	2			2	1 per 100
		SERVICE SINK	1		· ·	ĺ	1 por 100
			1		-	_	



BRETT PATRICK DILLE ARCHITECT LICENSE NO. 4645

ARCHITECTURAL CORPORATION MISSOURI LICENSE NO. 2009003483

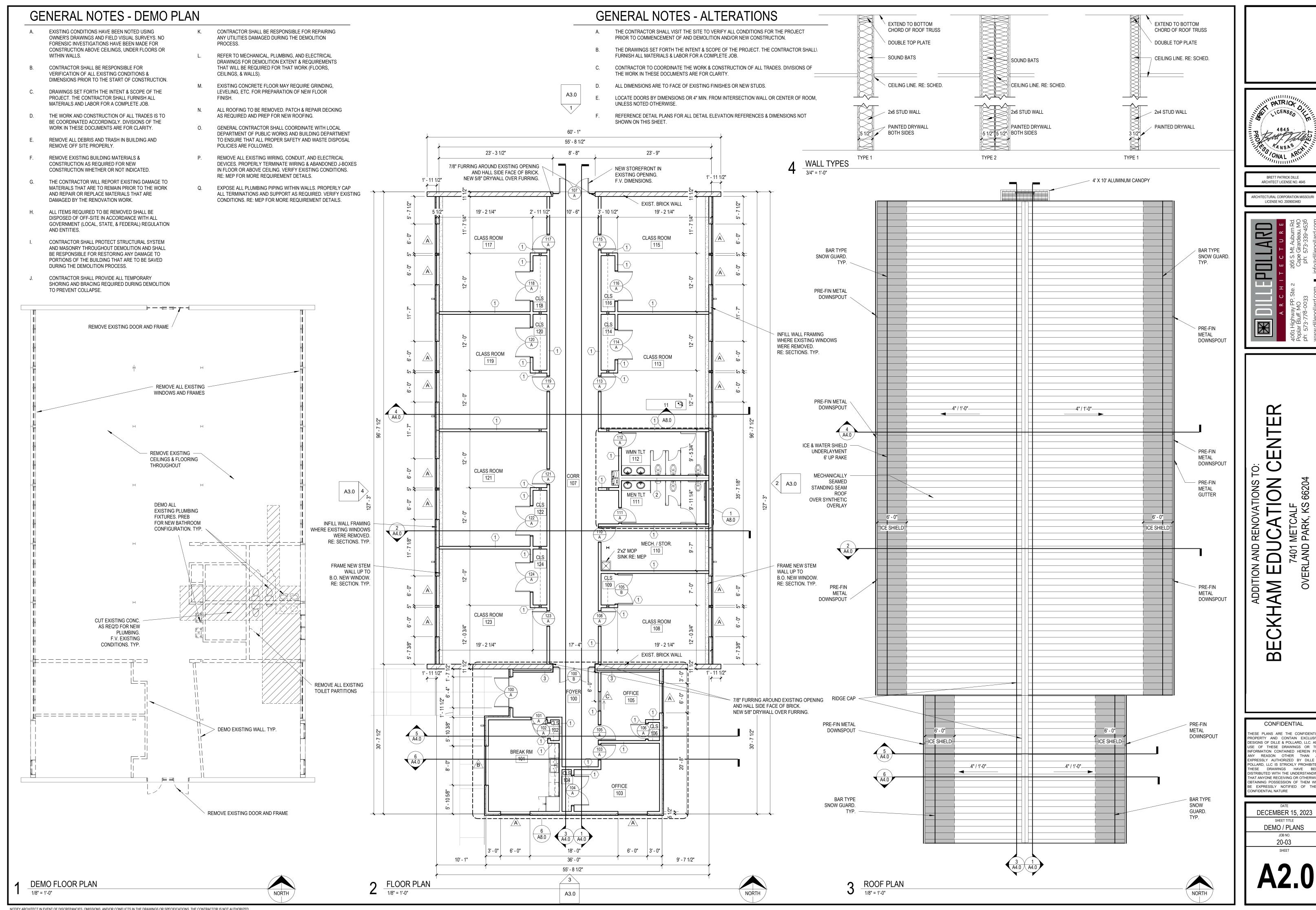


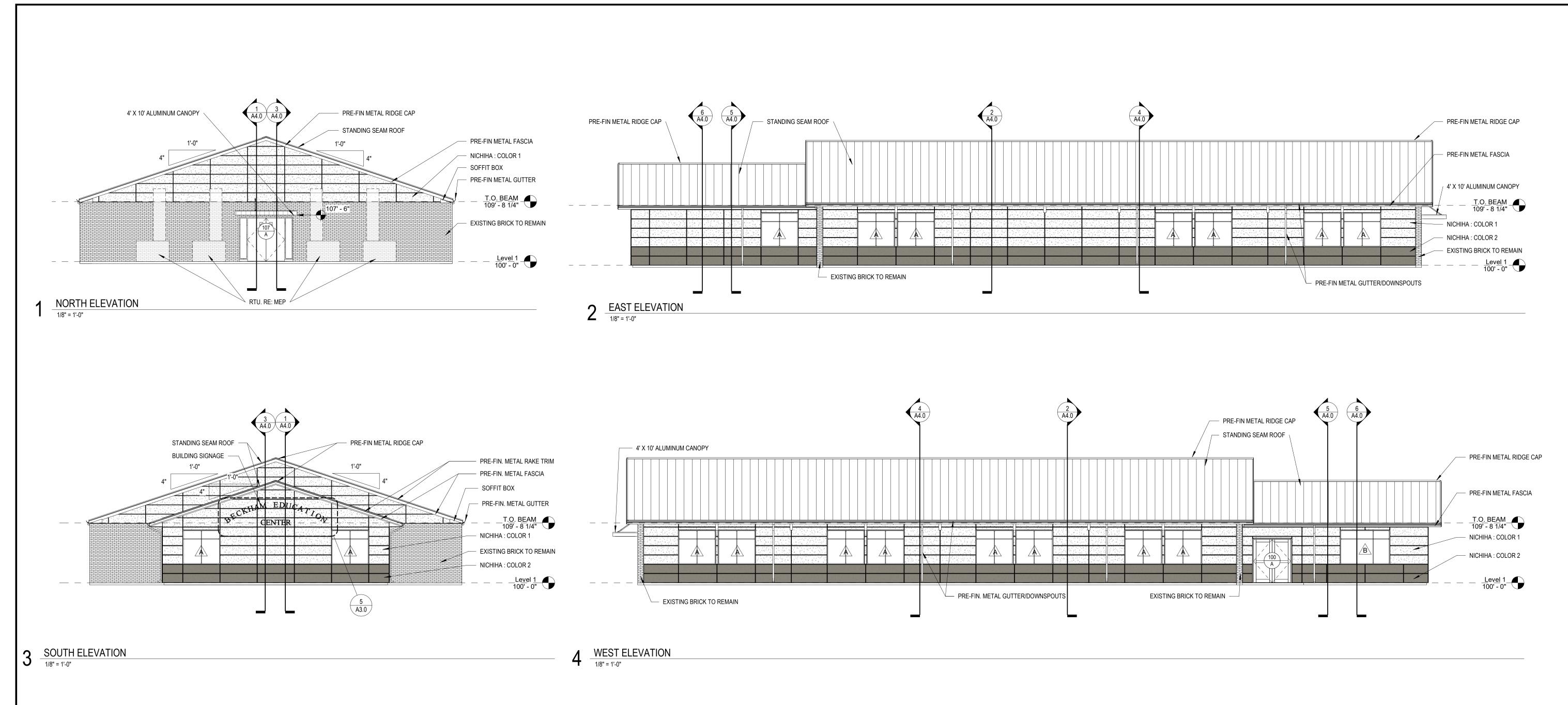
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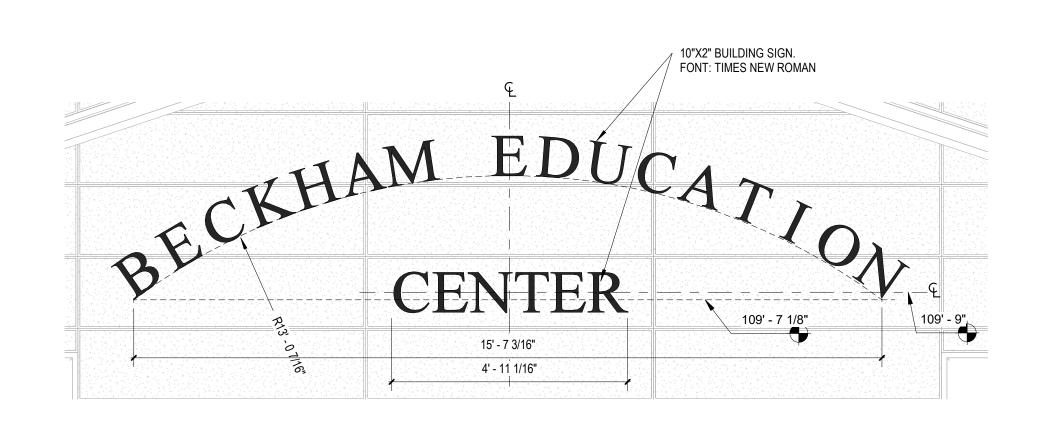
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DECEMBER 15, 2023 BUILDING CODE INFO 20-03







5 BECKHAM SIGN DETAIL

1/2" = 1'-0"

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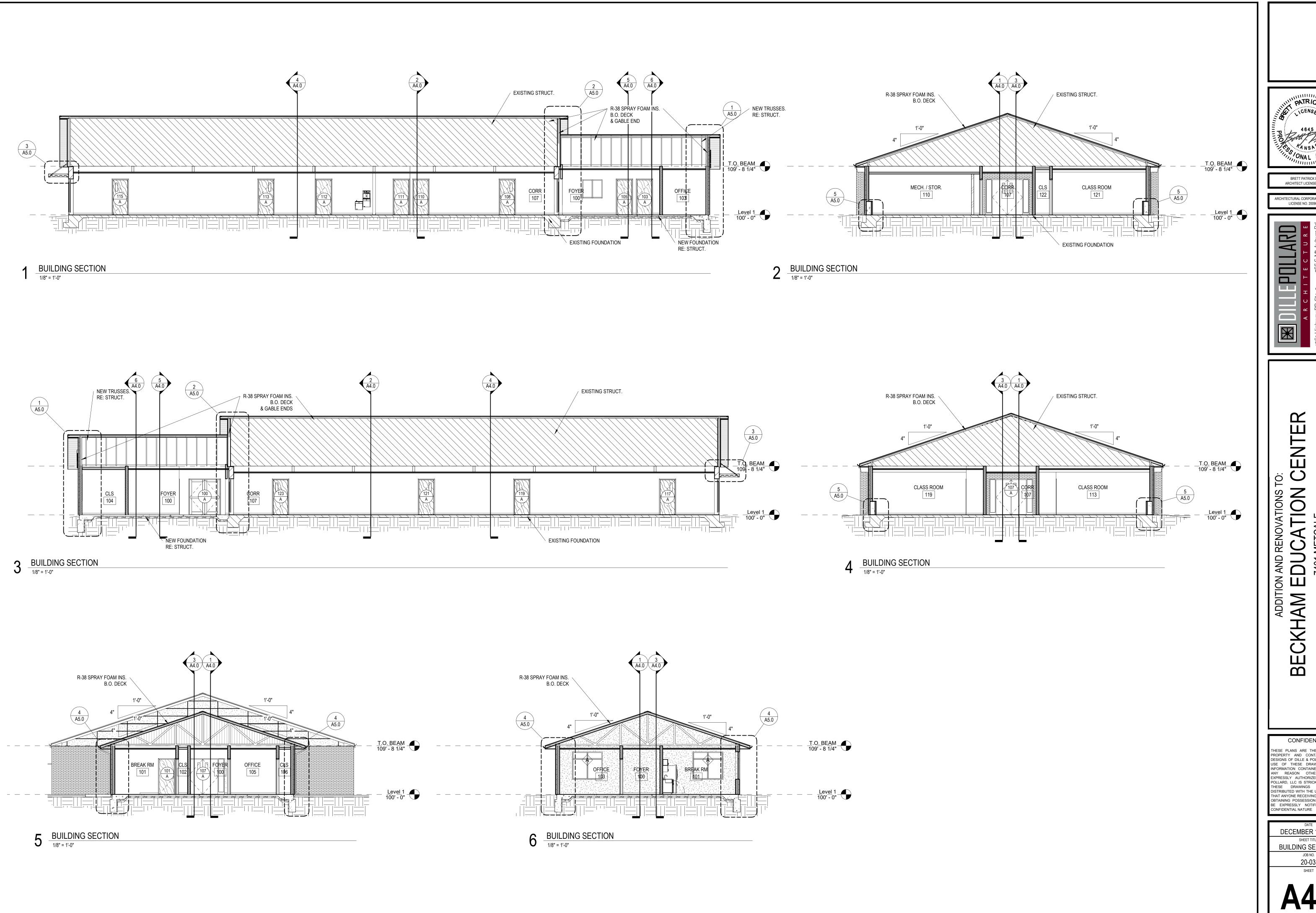
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CENTE

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DECEMBER 15, 2023 SHEET TITLE
EXTERIOR ELEVATIONS 20-03



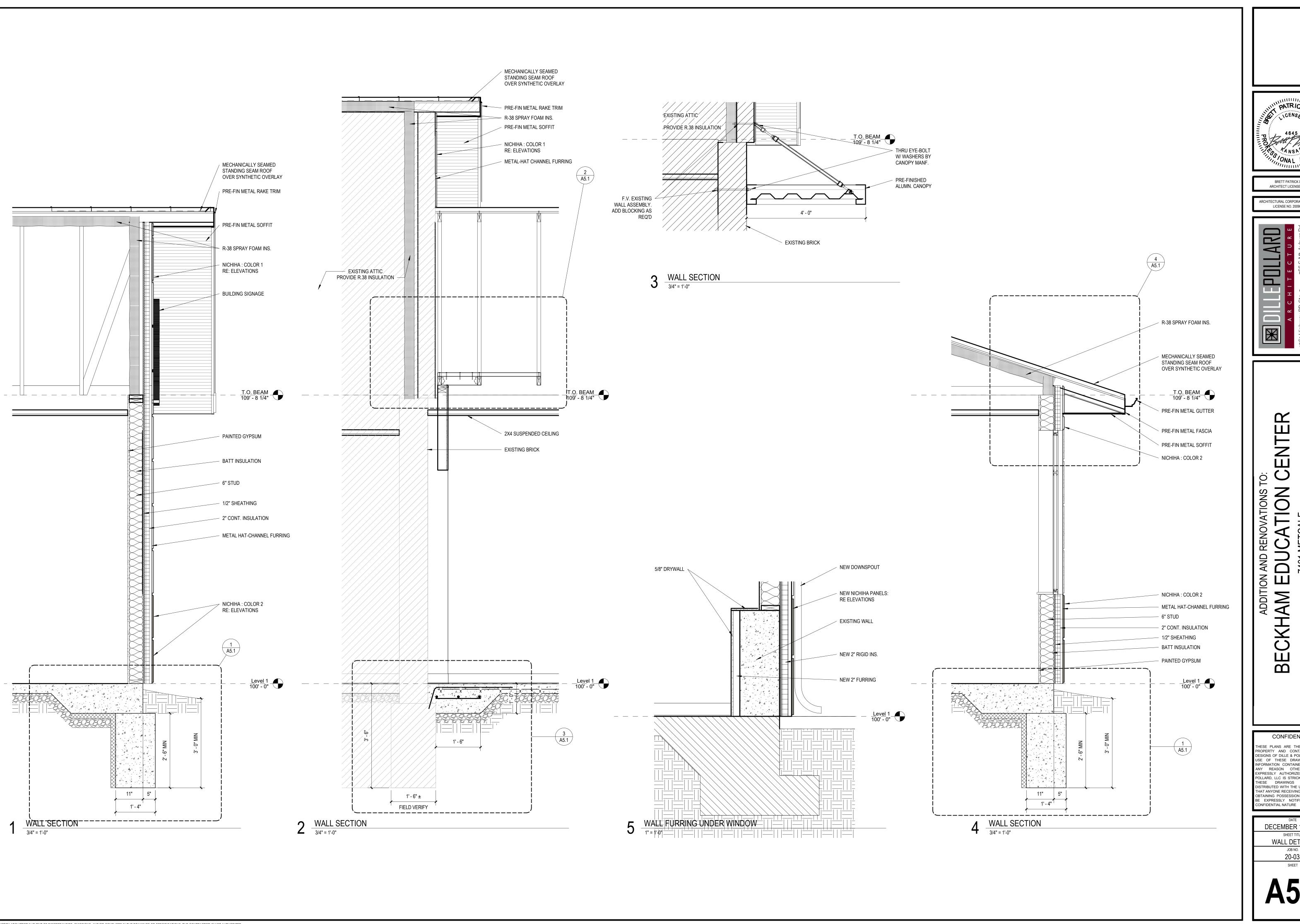
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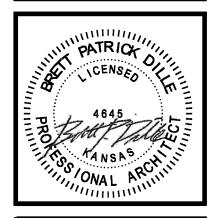
POLLARD

TO: BECKHAM EDUCATION

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DECEMBER 15, 2023 BUILDING SECTIONS 20-03





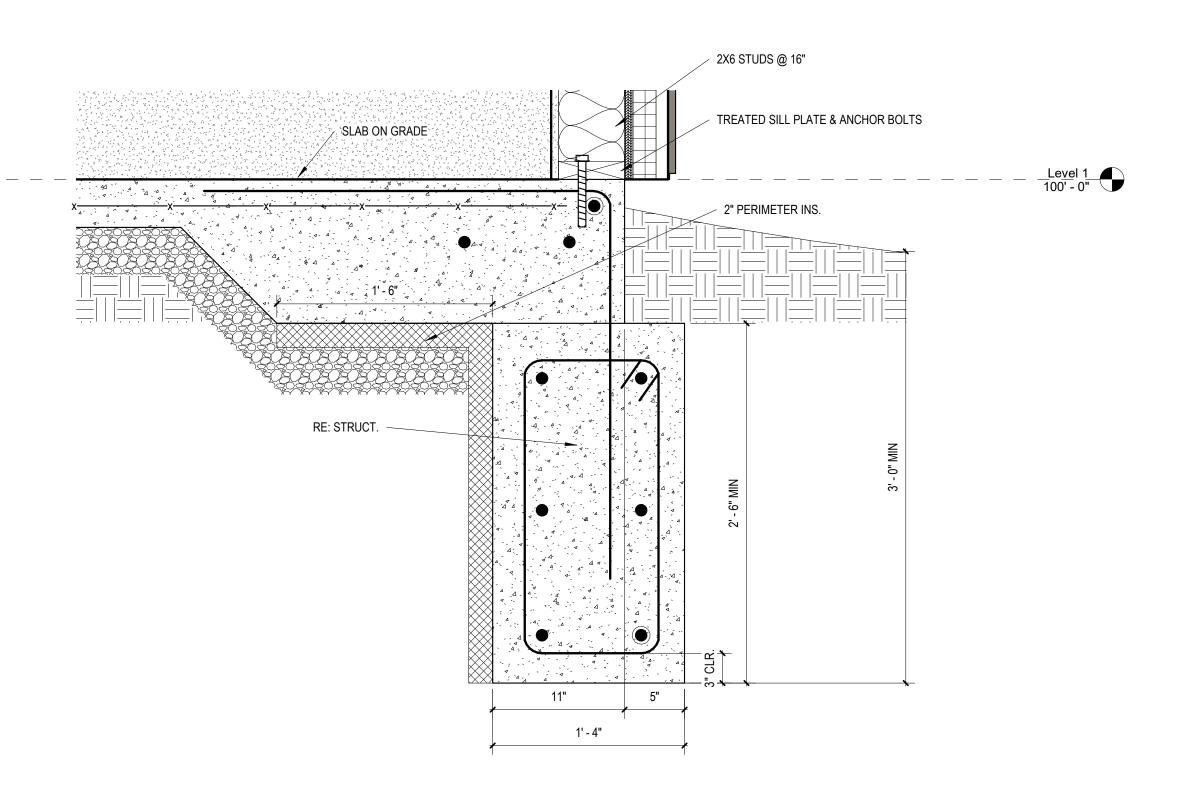
ARCHITECTURAL CORPORATION MISSOURI LICENSE NO. 2009003483

POLLARD

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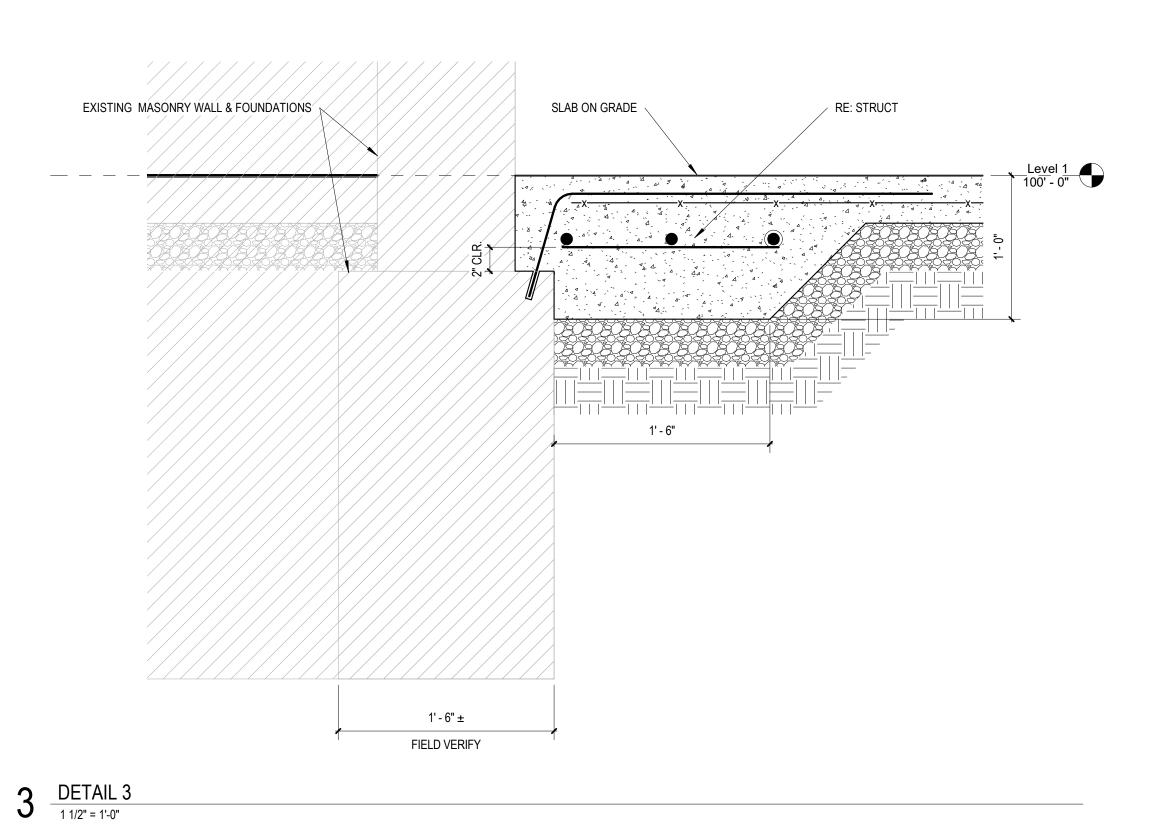
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DECEMBER 15, 2023 WALL DETAILS



DETAIL 1

1 1/2" = 1'-0"



DOUBLE 2X4 END TIPICAL

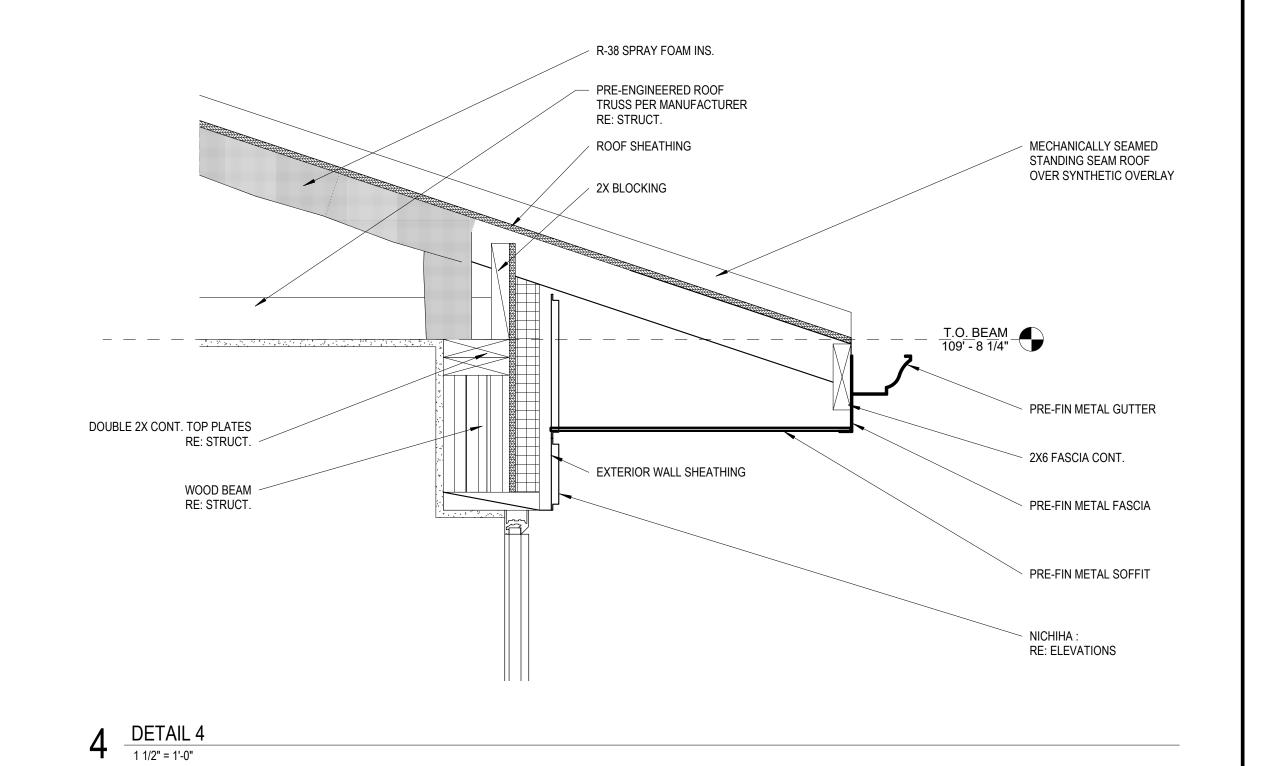
2X4 BLOCKING @ 48° O.C.
W A34 EACH END, TYPICAL

EXISTING MASONRY WALL

DOUBLE 2X4 CONT. TOP PLATES. RE: STRUCT.

TO. BEAM 109° - 8 1/4° 109° - 8

2 DETAIL 2
1 1/2" = 1'-0"



PATRIOT OF THE PATRIO

BRETT PATRICK DILLE ARCHITECT LICENSE NO. 4645

ARCHITECTURAL CORPORATION MISSOURI LICENSE NO. 2009003483

A R C H I T E C T U R E

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BECKHAM EDUCATION CENTER

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DATE
DECEMBER 15, 2023
SHEET TITLE
WALL DETAILS
JOB NO.
20-03

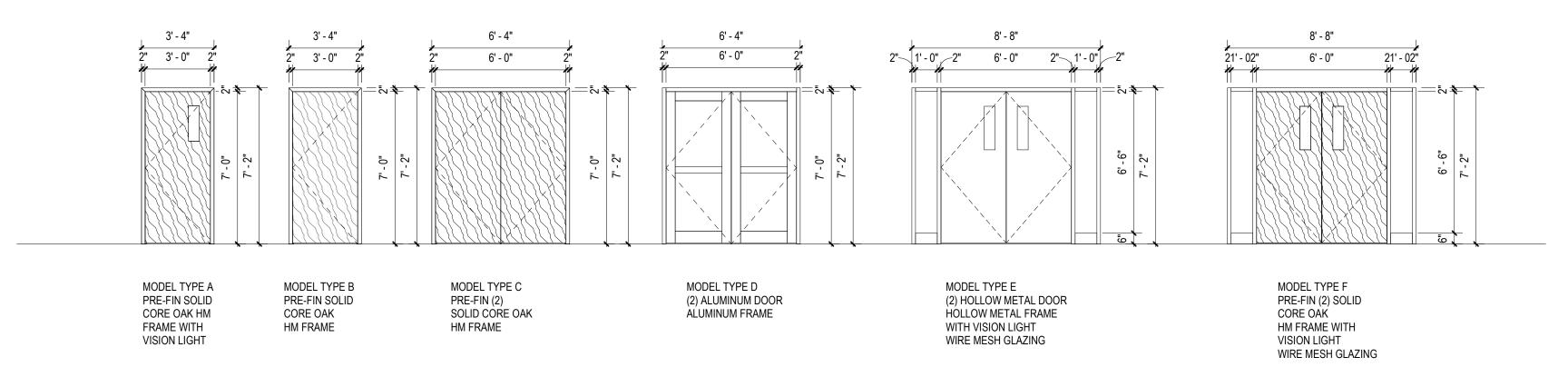
A5.1

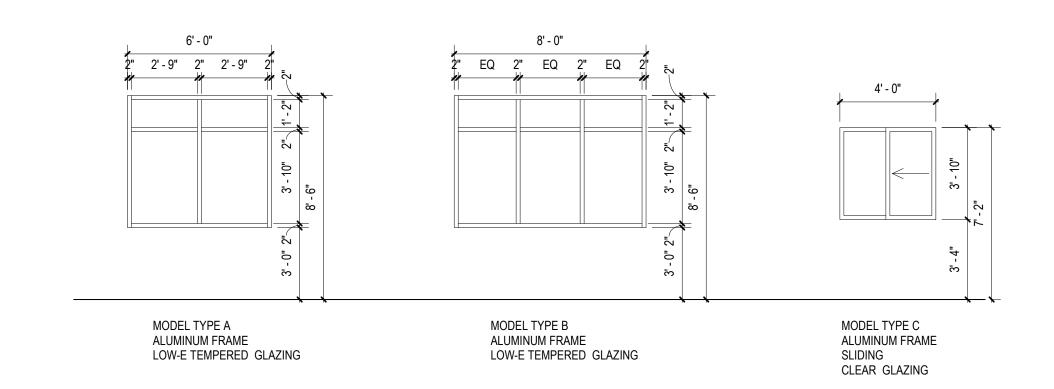
FINISH ROOM SCHEDULE

			٧	VALL	S		CEILING					FLC	OR		BASE			CEILING HEIGHT				
ROOM NAME	NUMBER	DRYWALL/PAINTED	METAL WALL PANELS	CMU WALLS PAINTED	OSB PAINTED	NO FINISH	2' X 2' SUSPENDED	2' X 4' SUSPENDED	DRYWALL PAINTED	CONCRETE PAINTED	OPEN	SEALED CONCRETE	V.C.T.	RESINOUS FL	LVT TILE	RESINOUS BASE	VINYL BASE	NO BASE	HT 1	HT 2	HT 3	Comments
FOYER	100	•						•					•				•		9' - 0"			
BREAK RM	101	•						•					•				•		9' - 0"			
CLS	102	•						•					•				•		9' - 0"			
OFFICE	103	•						•					•				•		9' - 0"			
CLS	104	•						•					•				•		9' - 0"			
OFFICE	105	•						•					•				•		9' - 0"			
CLS	106	•						•					•				•		9' - 0"			
CORR	107	•						•					•				•		9' - 0"			
CLASS ROOM	108	•						•					•				•		9' - 0"			
CLS	109	•						•					•				•		9' - 0"			
MECH. / STOR.	110	•						•				•					•		9' - 0"			
MEN TLT	111	•							•					•		•			9' - 0"			
WMN TLT	112	•							•					•		•			9' - 0"			
CLASS ROOM	113	•						•					•				•		9' - 0"			
CLS	114	•						•					•				•		9' - 0"			
CLASS ROOM	115	•						•					•				•		9' - 0"			
CLS	116	•						•					•				•		9' - 0"			
CLASS ROOM	117	•						•					•				•		9' - 0"			
CLS	118	•						•					•				•		9' - 0"			
CLASS ROOM	119	•						•					•				•		9' - 0"			
CLS	120	•						•					•				•		9' - 0"			
CLASS ROOM	121	•						•					•				•		9' - 0"			
CLS	122	•						•					•				•		9' - 0"			
CLASS ROOM	123	•						•					•				•		9' - 0"			
CLS	124	•						•					•				•		9' - 0"			

DOOR SCHEDULE

					DOOR			DOOR	FRA	FRAME		
			PANEL	PANEL								
MARK	MODEL TYPE	DETAIL	WIDTH	WIDTH 2	HEIGHT	THICKNESS	FIRE RATING	DOOR MATERIAL	FRAME MATERIAL	FRAME FINISH	HW SET	FUNCTION
100 A	D	1	3' - 0"	3' - 0"	7' - 0"	0' - 1 3/4"		ALUMINUM	ALUMINUM	ANODIZED	01	
100 B	F	1	3' - 0"	3' - 0"	7' - 0"	0' - 1 3/4"		WOOD	HOLLOW METAL	PAINTED	10	
101 A	В	1	3' - 0"		7' - 0"	0' - 1 3/4"	20 MIN.	WOOD	HOLLOW METAL	PAINTED	04	
102 A	В	1	3' - 0"		7' - 0"	0' - 1 3/4"		WOOD	HOLLOW METAL	PAINTED	07	
103 A	В	1	3' - 0"		7' - 0"	0' - 1 3/4"	20 MIN.	WOOD	HOLLOW METAL	PAINTED	05	
104 A	С	1	3' - 0"	3' - 0"	7' - 0"	0' - 1 3/4"		WOOD	HOLLOW METAL	PAINTED	03	
105 A	В	1	3' - 0"		7' - 0"	0' - 1 3/4"	20 MIN.	WOOD	HOLLOW METAL	PAINTED	05	
105 B	С	1	3' - 0"	3' - 0"	7' - 0"	0' - 1 3/4"		WOOD	HOLLOW METAL	PAINTED	03	
106 A	В	1	3' - 0"		7' - 0"	0' - 1 3/4"		WOOD	HOLLOW METAL	PAINTED	07	
107 A	E	1	3' - 0"	3' - 0"	7' - 0"	0' - 1 3/4"		HOLLOW METAL	HOLLOW METAL	PAINTED	09	
108 A	A	1	3' - 0"		7' - 0"	0' - 1 3/4"	20 MIN.	WOOD	HOLLOW METAL	PAINTED	02	
110 A	A	1	3' - 0"		7' - 0"	0' - 1 3/4"	60 MIN.	WOOD	HOLLOW METAL	PAINTED	08	
111 A	В	1	3' - 0"		7' - 0"	0' - 1 3/4"		WOOD	HOLLOW METAL	PAINTED	06	
112 A	В	1	3' - 0"		7' - 0"	0' - 1 3/4"		WOOD	HOLLOW METAL	PAINTED	06	
113 A	A	1	3' - 0"		7' - 0"	0' - 1 3/4"	20 MIN.	WOOD	HOLLOW METAL	PAINTED	02	
114 A	С	1	3' - 0"	3' - 0"	7' - 0"	0' - 1 3/4"		WOOD	HOLLOW METAL	PAINTED	03	
115 A	A	1	3' - 0"		7' - 0"	0' - 1 3/4"	20 MIN.	WOOD	HOLLOW METAL	PAINTED	02	
116 A	С	1	3' - 0"	3' - 0"	7' - 0"	0' - 1 3/4"		WOOD	HOLLOW METAL	PAINTED	03	
117 A	A	1	3' - 0"		7' - 0"	0' - 1 3/4"	20 MIN.	WOOD	HOLLOW METAL	PAINTED	02	
118 A	С	1	3' - 0"	3' - 0"	7' - 0"	0' - 1 3/4"		WOOD	HOLLOW METAL	PAINTED	03	
119 A	A	1	3' - 0"		7' - 0"	0' - 1 3/4"	20 MIN.	WOOD	HOLLOW METAL	PAINTED	02	
120 A	С	1	3' - 0"	3' - 0"	7' - 0"	0' - 1 3/4"		WOOD	HOLLOW METAL	PAINTED	03	
121 A	A	1	3' - 0"		7' - 0"	0' - 1 3/4"	20 MIN.	WOOD	HOLLOW METAL	PAINTED	02	
122 A	С	1	3' - 0"	3' - 0"	7' - 0"	0' - 1 3/4"		WOOD	HOLLOW METAL	PAINTED	03	
123 A	A	1	3' - 0"		7' - 0"	0' - 1 3/4"	20 MIN.	WOOD	HOLLOW METAL	PAINTED	02	
124 A	С	1	3' - 0"	3' - 0"	7' - 0"	0' - 1 3/4"		WOOD	HOLLOW METAL	PAINTED	03	





DOOR LEGEND

CONT. SEALANT
DOOR FRAME. RE: SCHED.

HEAD

RE: WALL TYPES

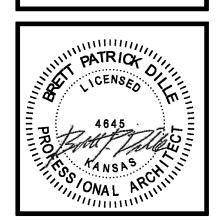
CONT. SEALANT
DOOR FRAME. RE: SCHED.

DOOR FRAME. RE: SCHED.

DOOR FRAME. RE: SCHED.

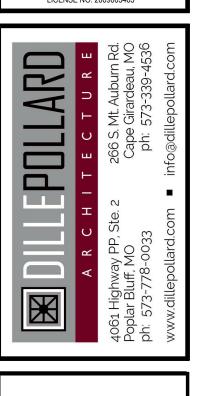
DOOR DETAILS

WINDOW LEGEND



BRETT PATRICK DILLE ARCHITECT LICENSE NO. 4

ARCHITECTURAL CORPORATION MISSOURI



ADDITION AND RENOVATIONS TO:

BECKHAM EDUCATION CENTION
7401 METCALF
OVERLAND PARK, KS 66204

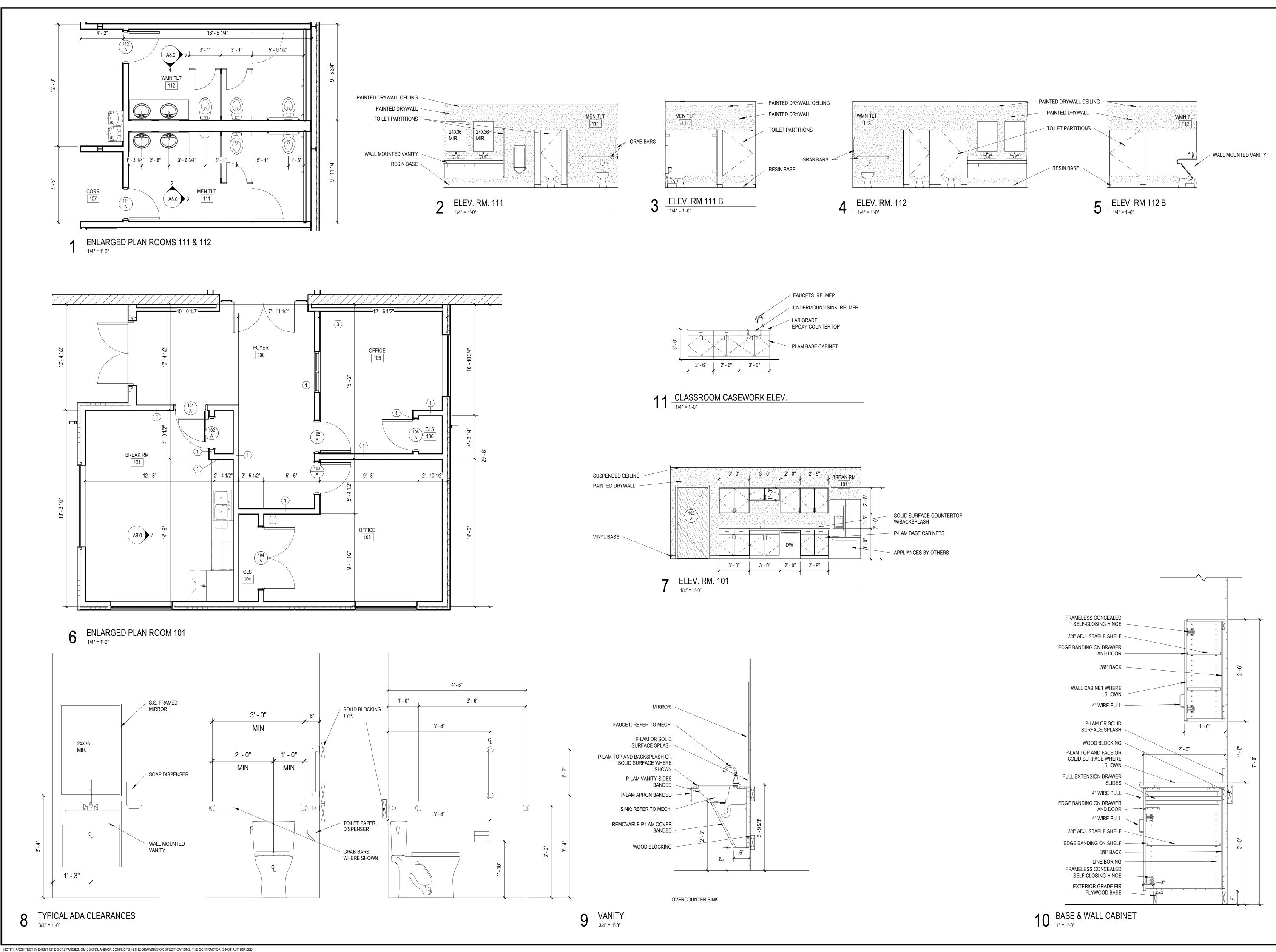
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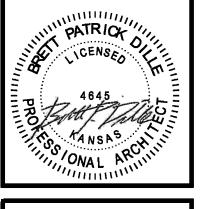
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DECEMBER 15, 2023
SHEET TITLE
SCHEDULES
JOB NO.
20-03

THAT ANYONE RECEIVING OR OTHERWISE OBTAINING POSSESSION OF THEM WILL BE EXPRESSLY NOTIFIED OF THEIR CONFIDENTIAL NATURE

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ARCHITECTURAL CORPORATION MISSOURI LICENSE NO. 2009003483

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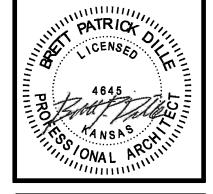
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DECEMBER 15, 2023 ENLARGED PLANS 20-03

CONFIDENTIAL NATURE







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A R C H I T E C T U R E

4061 Highway PP, Ste. 2
Poplar Bluff, MO
ph: 573-778-0033

www.dillepollard.com info@dillepollard.com

BECKHAM EDUCATIONS TO:
7401 METCALF

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DATE
DECEMBER 15, 2023
SHEET TITLE
FLOORS & CEILINGS
JOB NO.

CONFIDENTIAL NATURE

20-03
SHEET

A9.0