# **ANEW CHURCH BUILDING** FOR THE FIRST BAPTIST CHURCH OF BATESVILLE, ARKANSAS

# DRAWING SYMBOL KEY number DETAIL MARKER **ELEVATION MARKER** sheet A7 , fin. flr. LEVEL MARKER 100'-0" PARTITION MARKER **REVISION MARKER BUILDING SECTION MARKER** number WALL SECTION MARKER sheet **ROOM I.D. MARKER** 102 (2) STRUCTURAL GRID LINE (101) DOOR MARKER 3 WINDOW MARKER





Owner: First Baptist Church 610 E. Main St Batesville, AR 72501 870-793-9859

Architect: Z.F. Mobley, Architecture & Design 501 Dry Kiln Rd. MAILING ADDRESS: P. O. Box 2849 Batesville, Arkansas 72503 TEL: 870-793-0044 EMAIL- zfmobley@sbcglobal.net Arkansas Architectural License #2890

Structural Engineer: Shannon Hopkins 515 Honeysuckle Lane Longview, TX 75605 TEL: 903-663-7546 Arkansas Structural Engineering License #4067

**Electrical Engineer:** Anthony L. Sherrill, P.E. 45 Cedar Rock Lane Batesville, AR 72501 TEL: 870-251-4547 Arkansas Electrical Engineering License #10229

Mechanical Engineer: Jim Whitson, P.E. 8 Ally Drive Batesville, AR 72501 TEL: 855-307-0933

Ashlev Outle **BUILDING SITE** IONA WAY

- General Notes
- Contractor shall review these plans thoroughly, make a detailed site visit, and shall immediately bring any inconsistency, site layout problem, or any other request for clarification to the architect for resolution prior to the delivery of any bid. Failure to do so shall cause the Contractor to be ineligible for extras relating to such matters.
- Contractor shall submit reproducible 2. shop drawings to Architect for Owner's, Architect's, and Engineer's approval.
- Contractor shall co-ordinate with all trades to provide complete working
- Drawings of existing facilities are, in 4. general, diagrammatic. Exact locations shall be determined by the Contractor from field measurements taken by Contractor's personnel. Actual arrangement of the work shall follow locations shown on the drawings within the constraints of existing equipment and construction. Dimensions shall govern these drawings and they are not to be scaled. Drawing and notes to drawings are correlative and have equal authority and priority. Should there be discrepancies in themselves or between them, Contractor shall base bid pricing on the most expensive combination of quality and/or quantity of the work indicated. In the event of discrepancies, the appropriate method of performing the work and/or items to be incorporated into the scope of the work shall be determined by the Architect or Engineer.
- Contractor is responsible for the safety, actions and conduct of his employees and his subcontractors' employees while in the project area, adjacent areas and in the building and its vicinity.
- All work described by these documents shall be performed in full accordance with all applicable codes, including but not limited to the following codes: Arkansas Fire Prevention Code, 2012 Edition, NFPA standards, National Electrical Code, Uniform Plumbing Code, all as adopted by the City of Batesville, Arkansas.

**C-1 COVER SHEET & DRAWING INDEX** S-1 SITE PLAN- 1" = 30' F-1 FOUNDATION & SLAB PLAN

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- M1.2 MECHANICAL PLAN
- M1.3 MECHANICAL SCHEDULES
- **M1.4 KITCHEN HOOD SYSTEM**

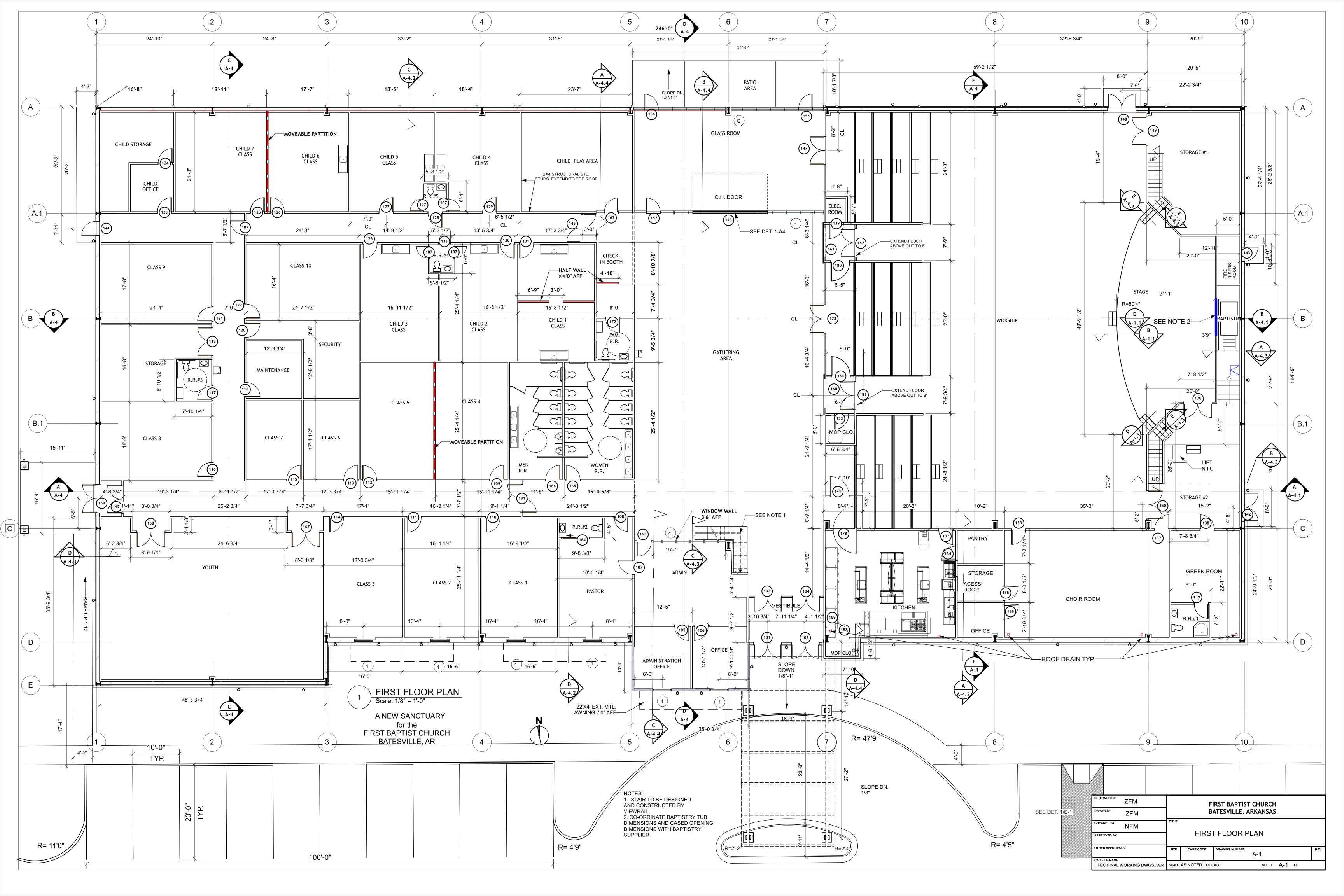
These drawings and this building design are the property of Z. F. Mobley, Architecture & Design, and shall be returned on demand. No part of these drawings shall be reproduced without the written permission of Z. F. Mobley, Architecture & Design. Each and every set of drawings specified as "for construction" will be stamped and signed by the architect or engineer. IF YOU DO NOT SEE THIS STAMP, DO NOT USE THE DRAWING FOR CONSTRUCTION. Revisions will be dated, and later dated revised drawings supersede earlier ones. It is the responsibility of the contractor to determine that he is using the latest set of drawings. In the case of a conflict between scaled and written dimensions, the written dimension rules. If you need a dimension that is not noted, contact the Architect at the address shown on this sheet.

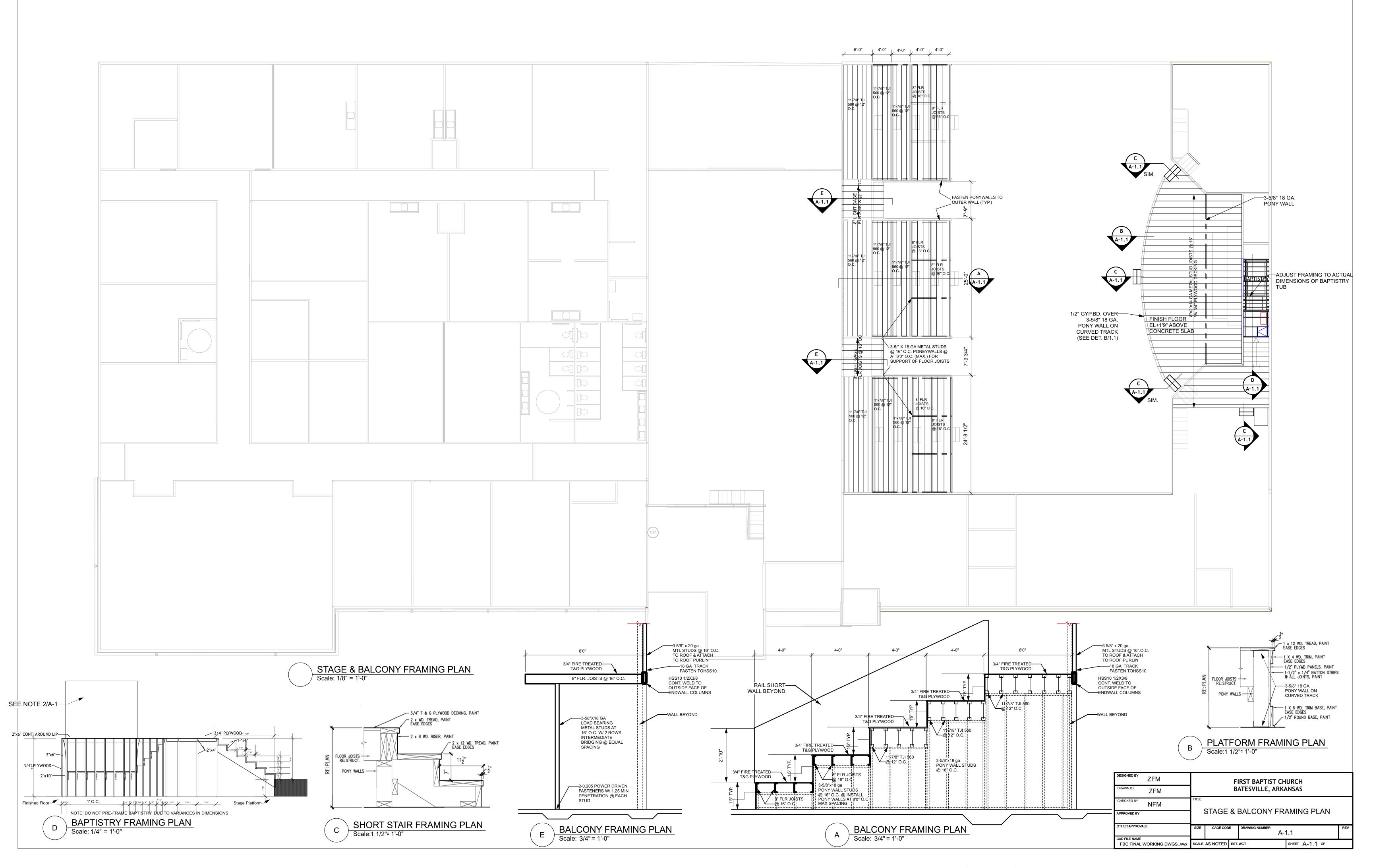
I, ZACHARY F. MOBLEY, BEING A LICENSED ARCHITECT IN THE STATE OF ARKANSAS, DO HEREBY CERTIFY THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BY ME OR UNDER MY SUPERVISION. I FURTHUR CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THESE PLANS AND SPECIFICATIONS ARE AS REQUIRED BY LAW, AND IN COMPLIANCE WITH THE ARKANSAS FIRE PREVENTION CODE FOR THE STATE OF ARKANSAS.

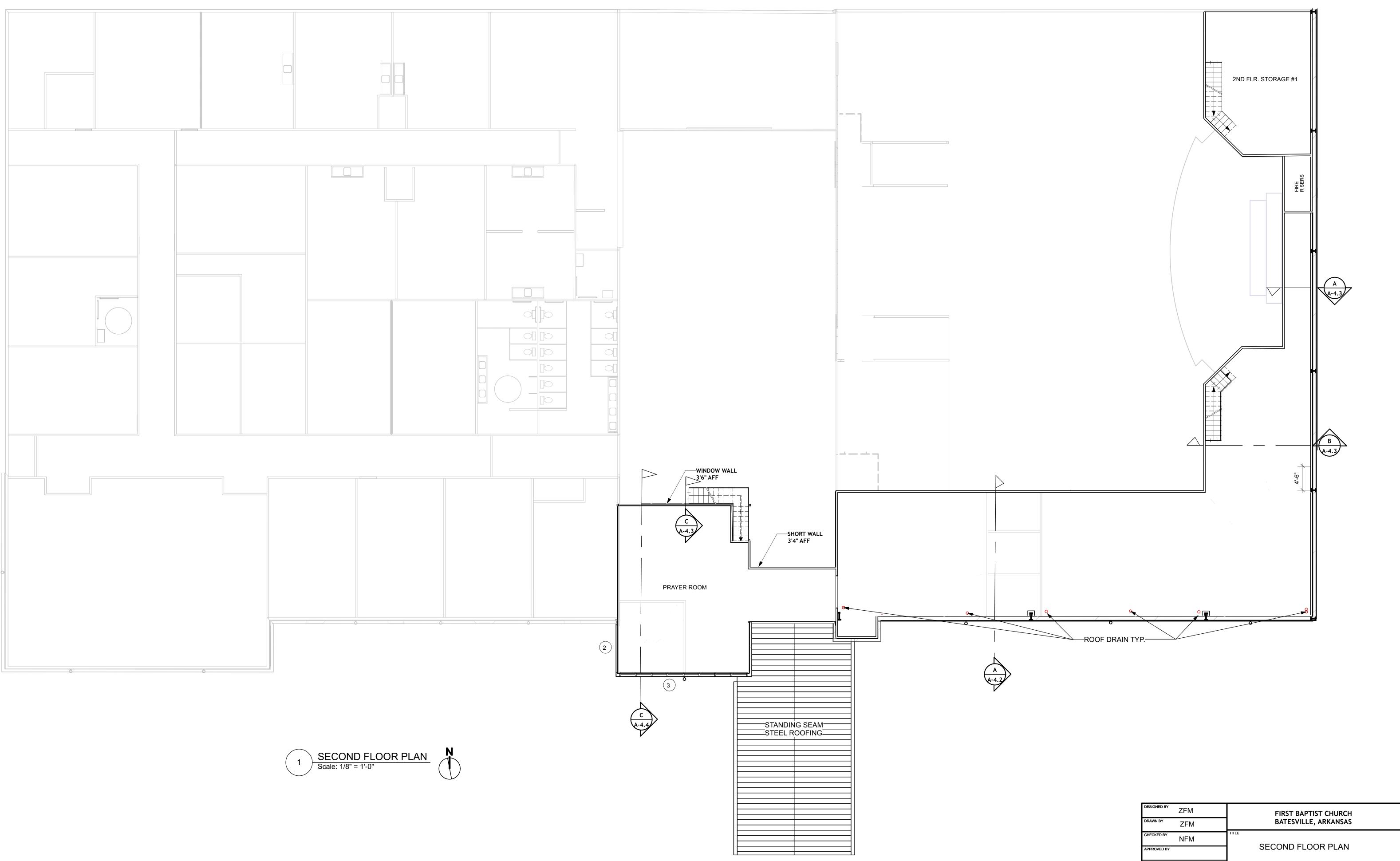
ZACHARY F. MOBLEY, LICENSED ARCHITECT

DATE

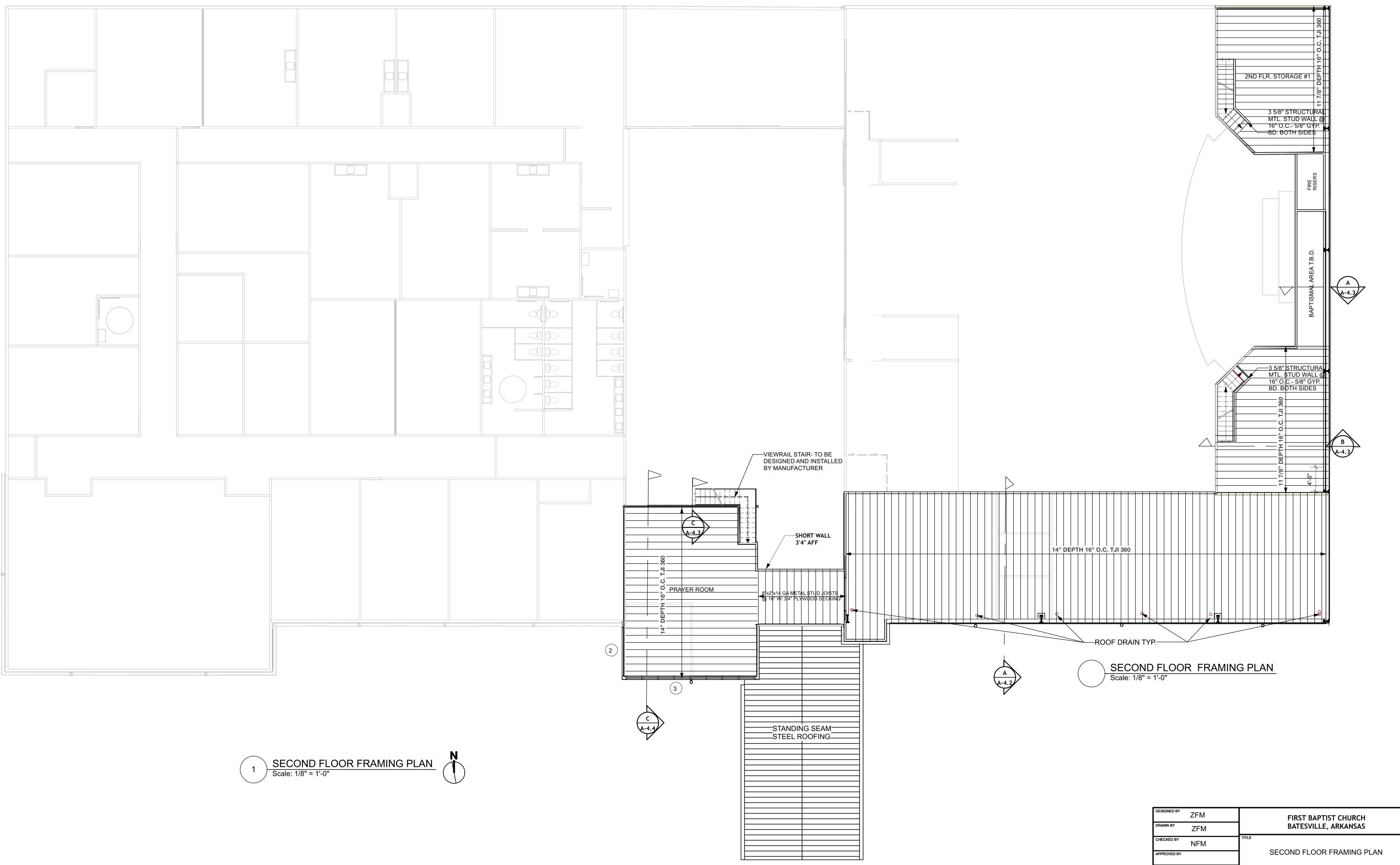
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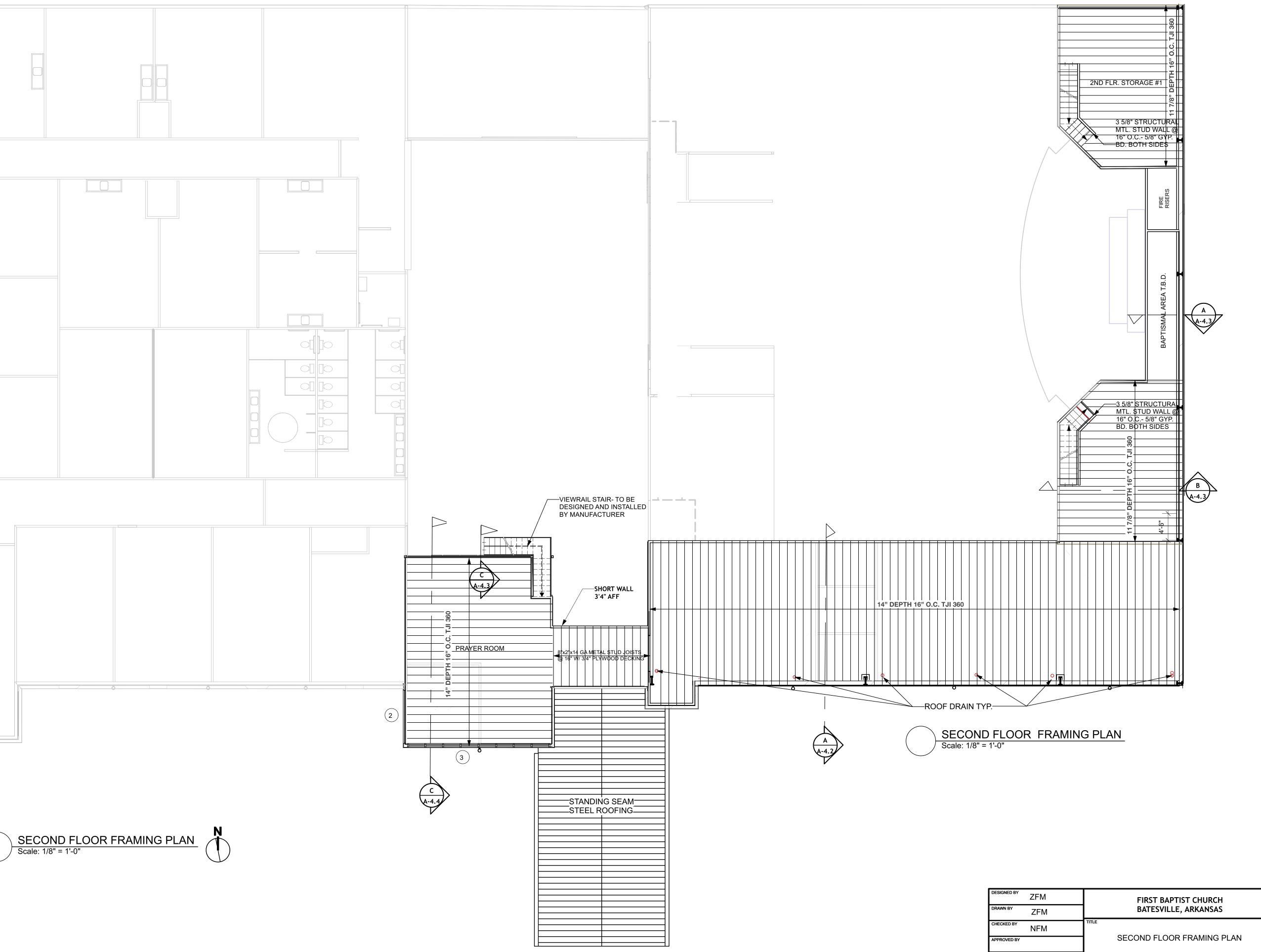




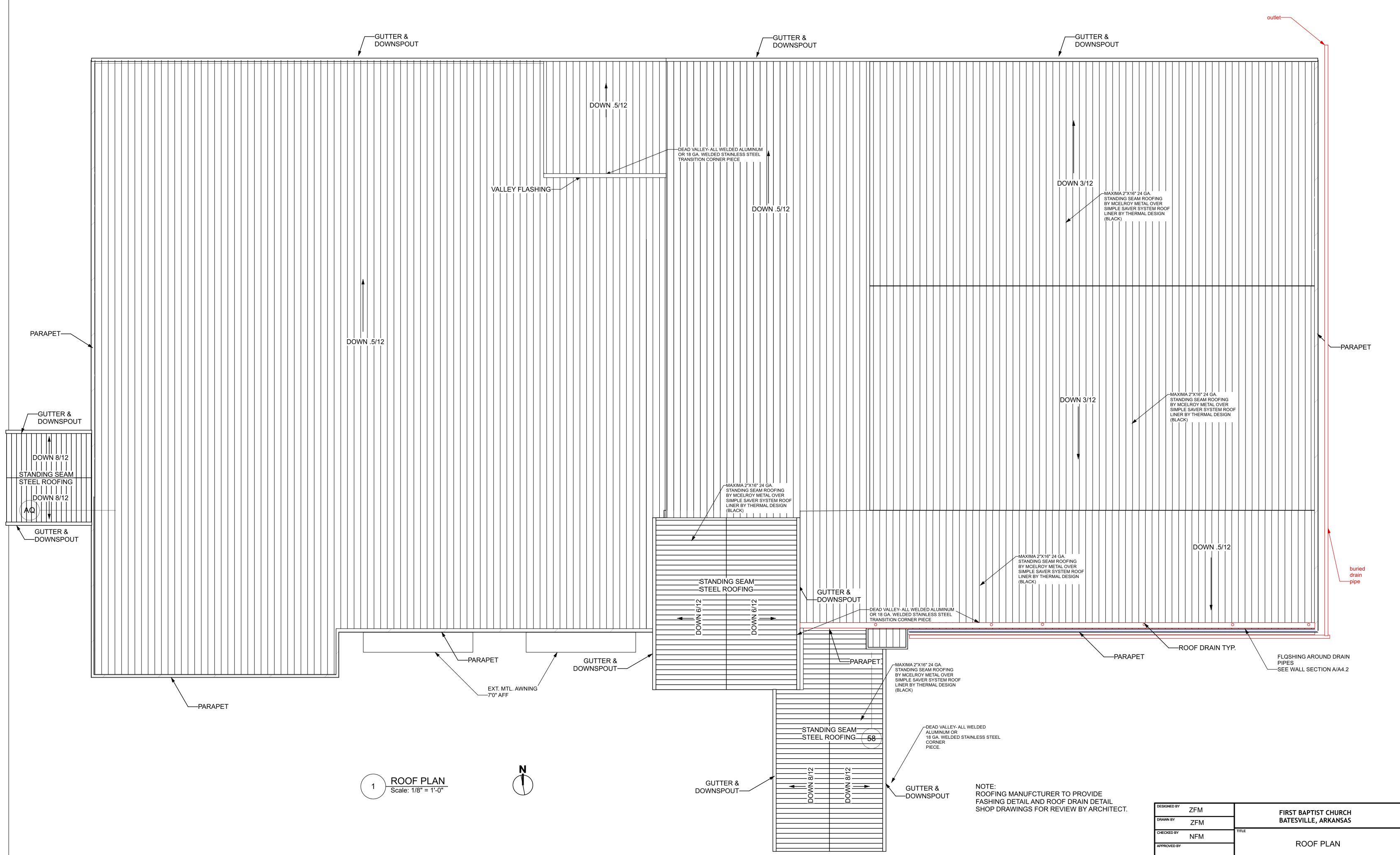


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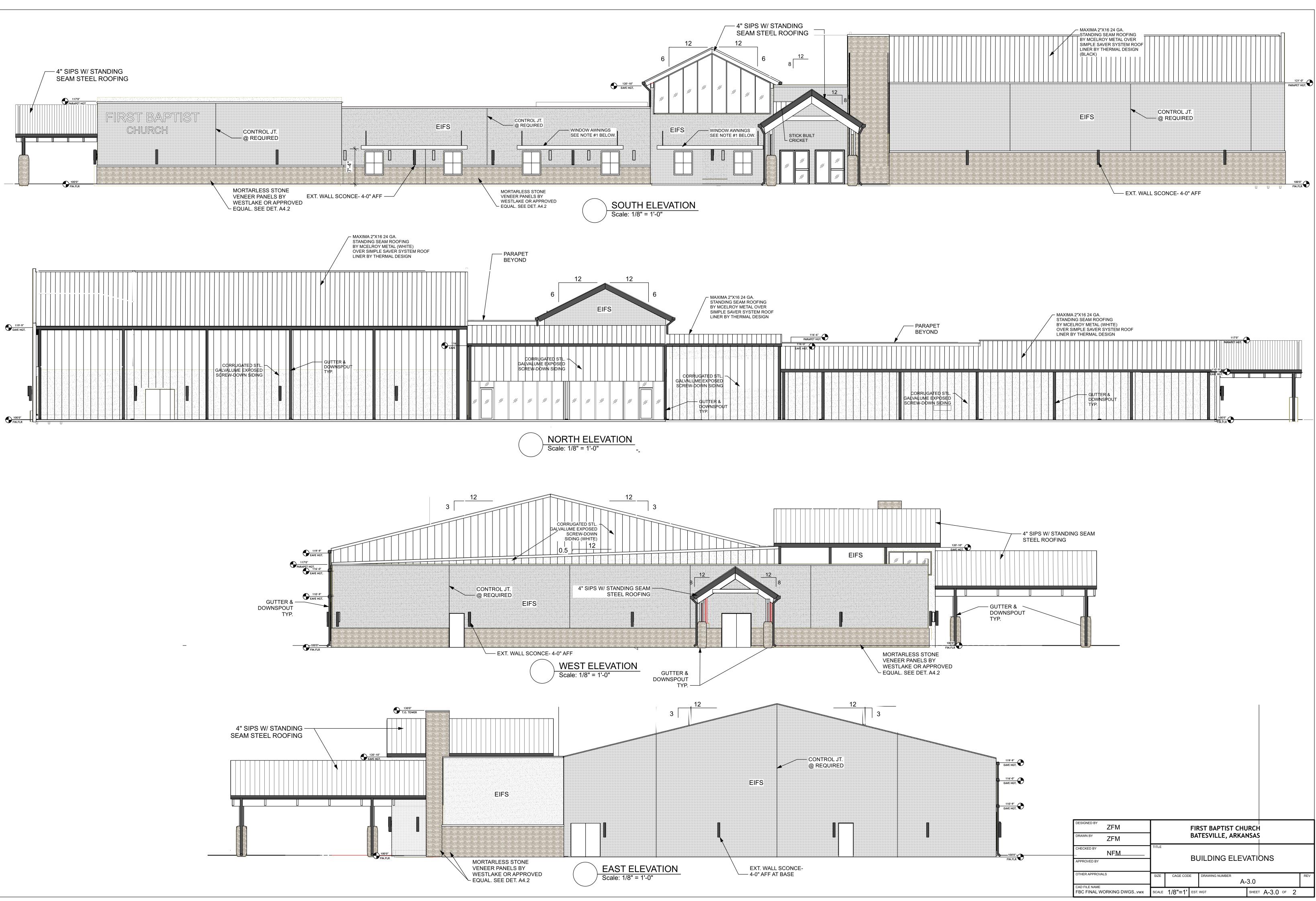


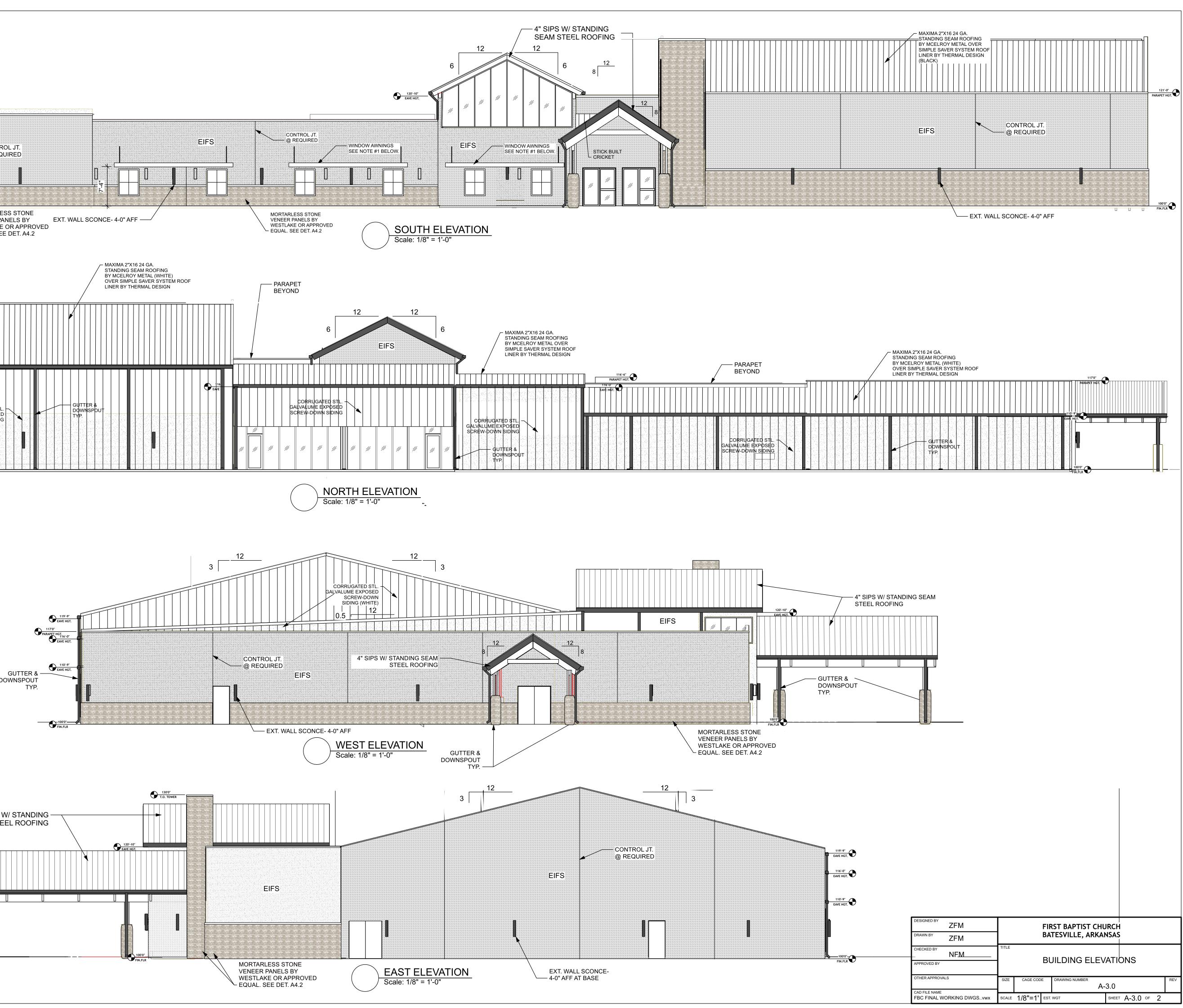


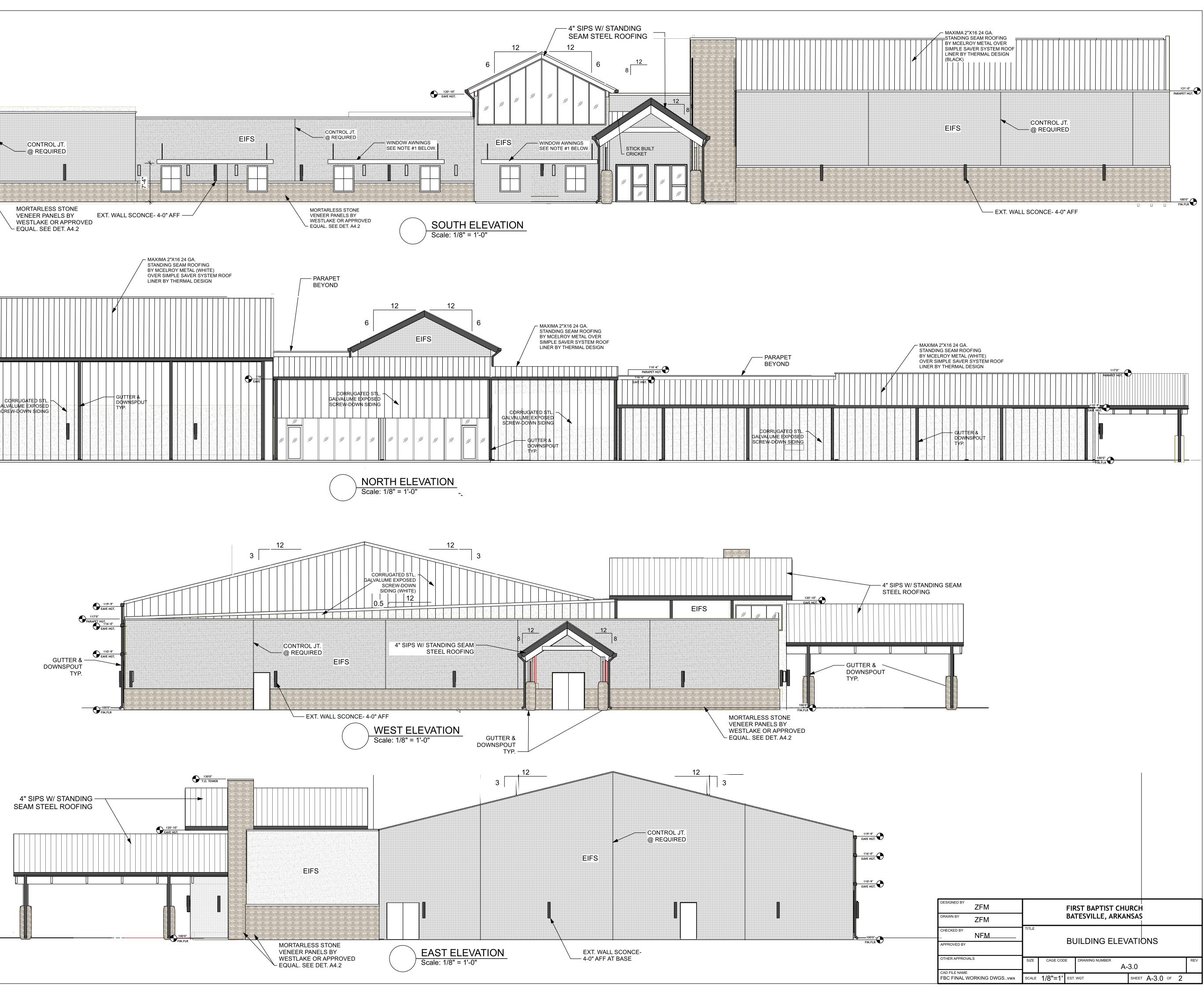
			F	IRST BAPTIST CHURCH						
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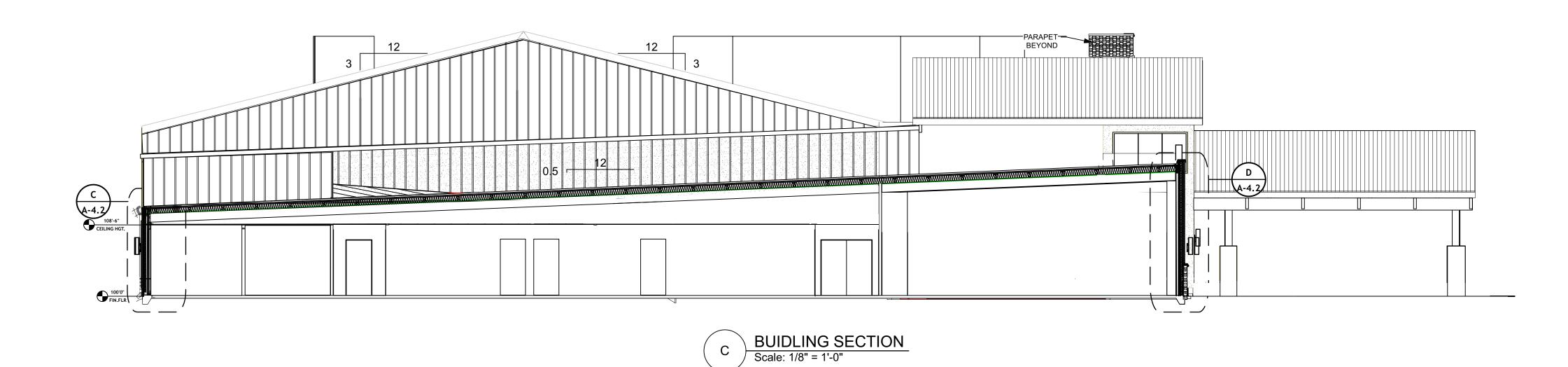


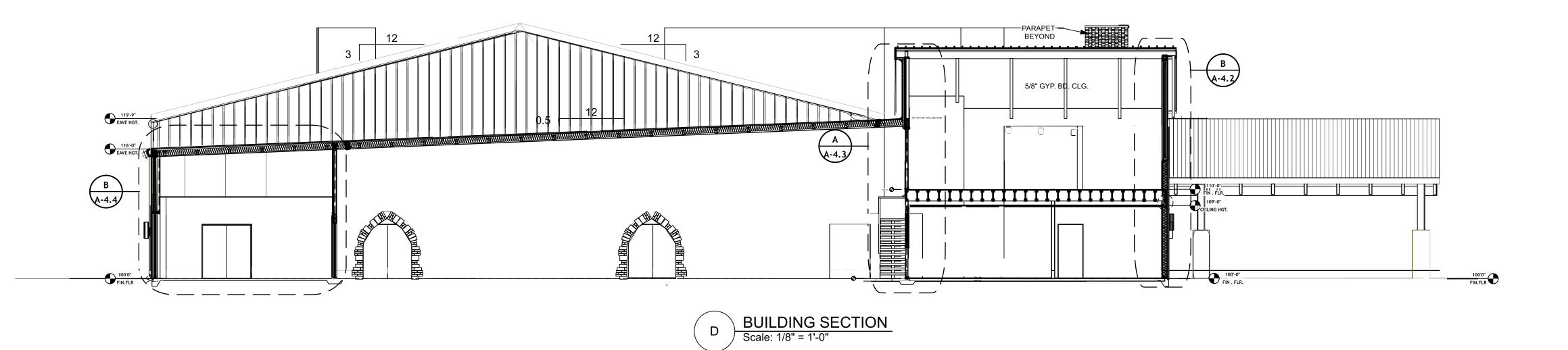
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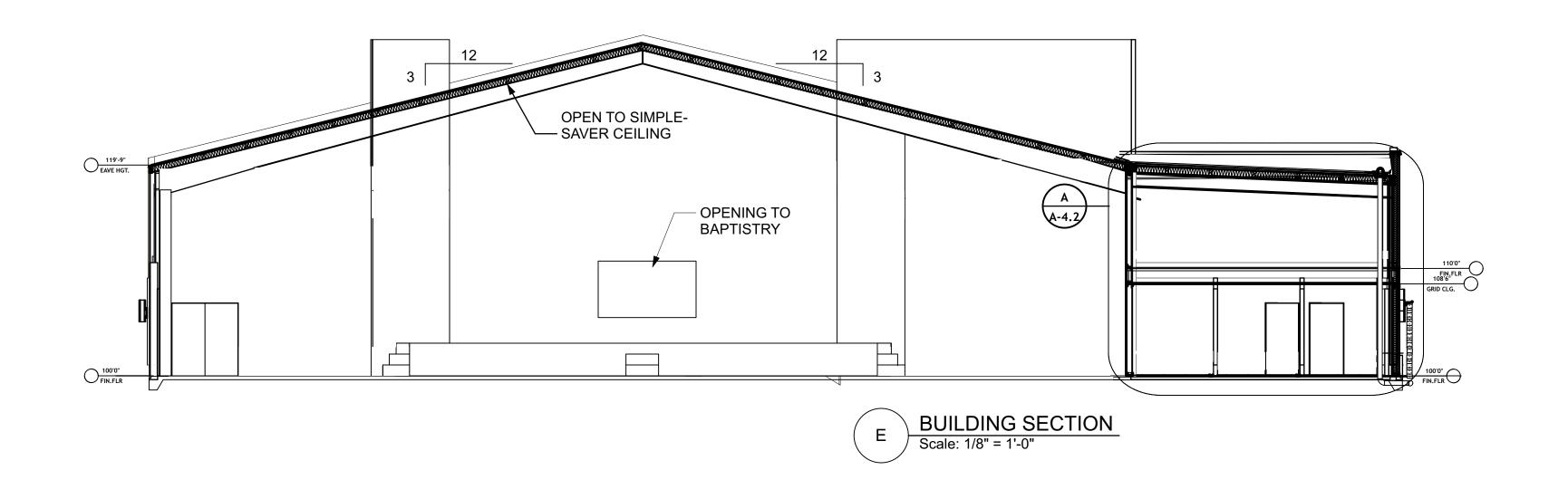




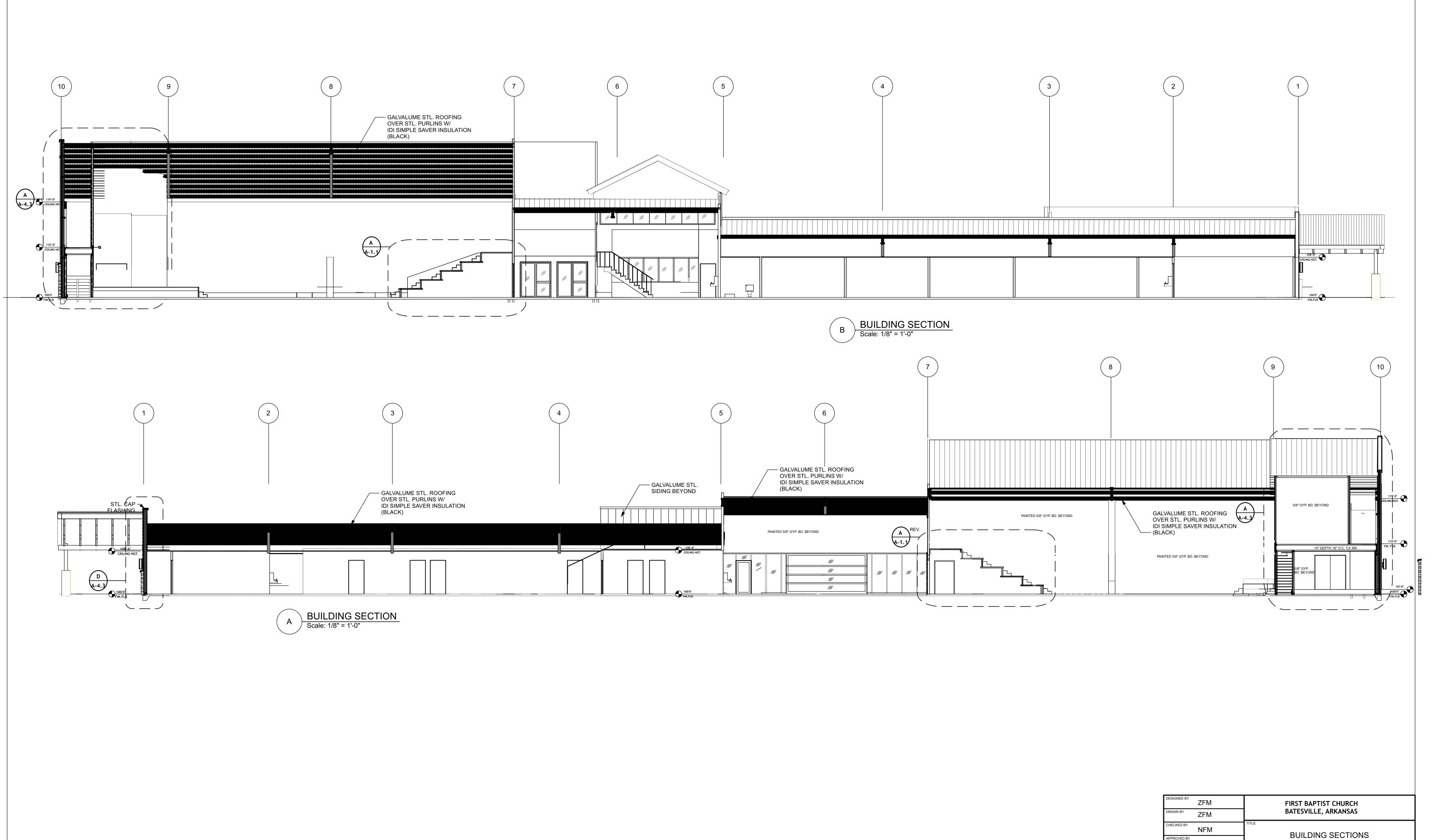




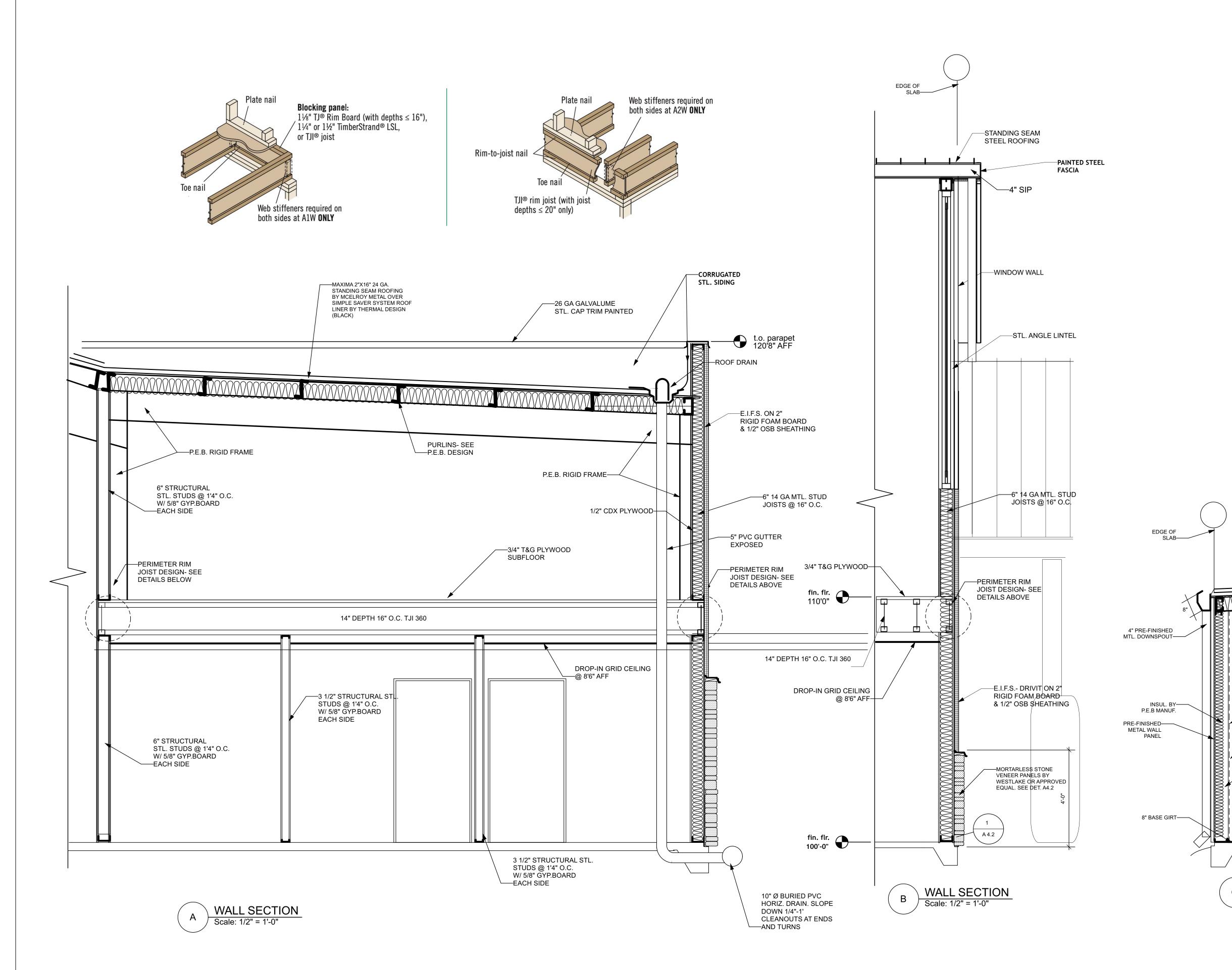


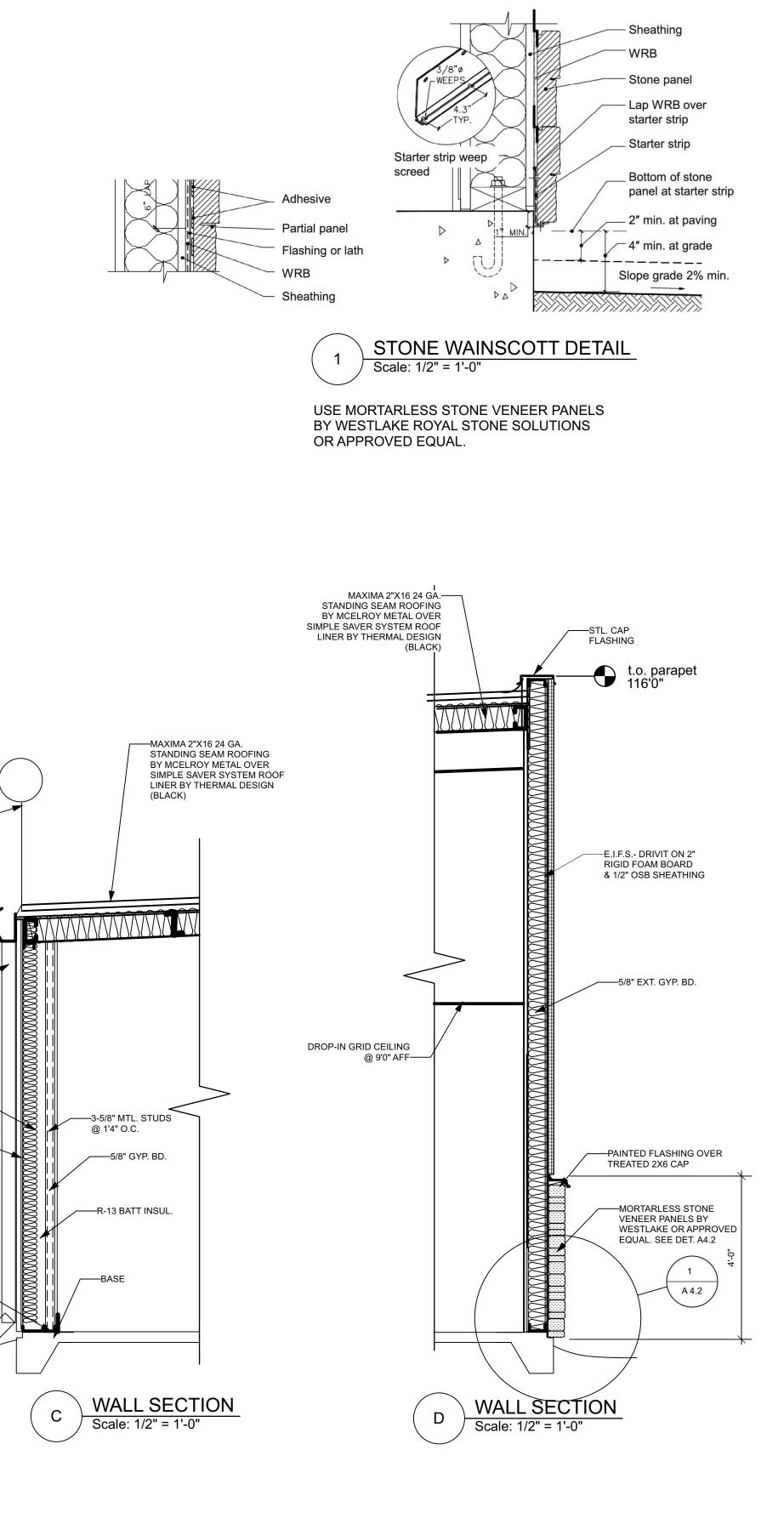


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			BA	TESVILLE, ARKAN	NSAS							
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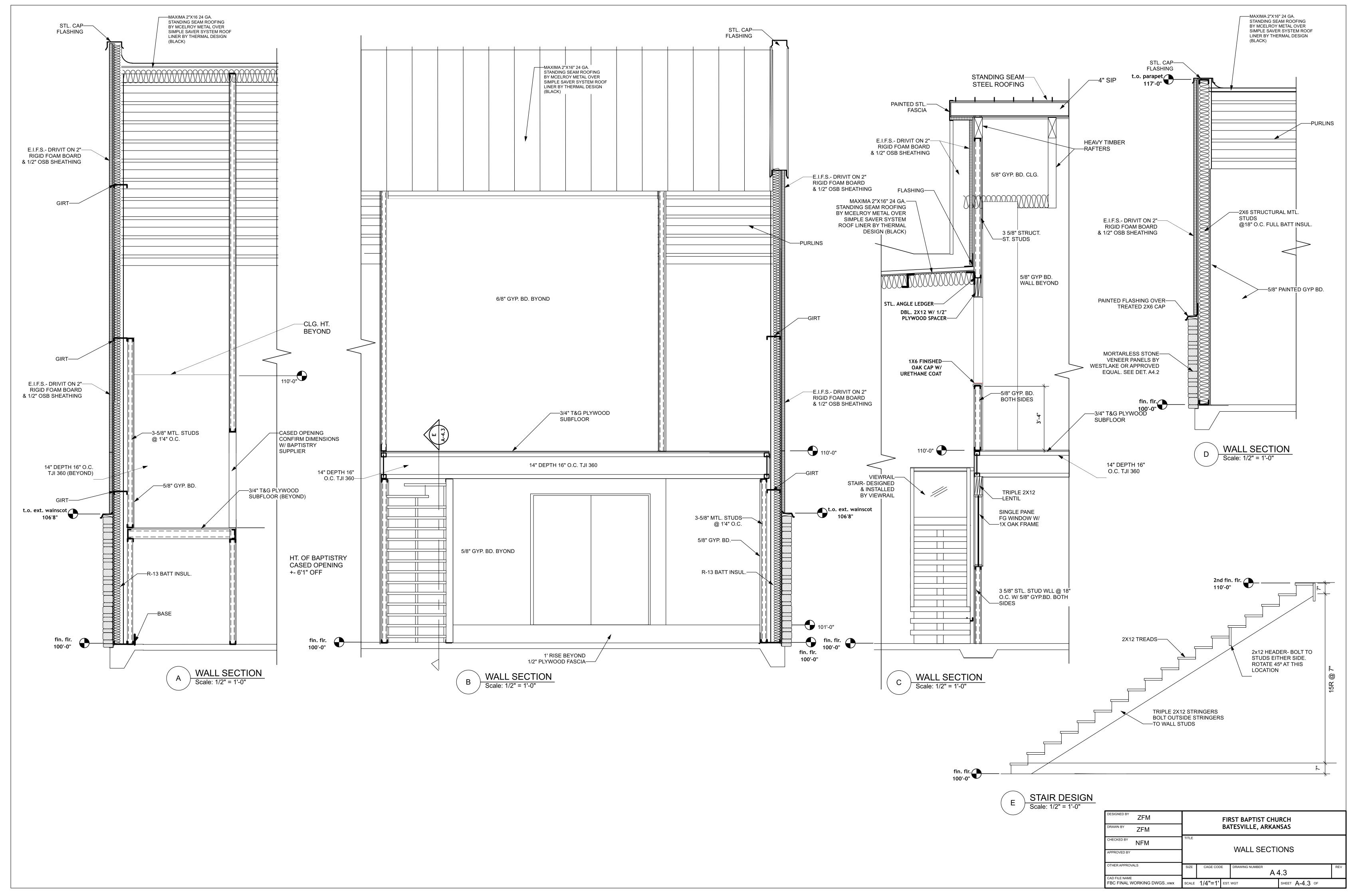


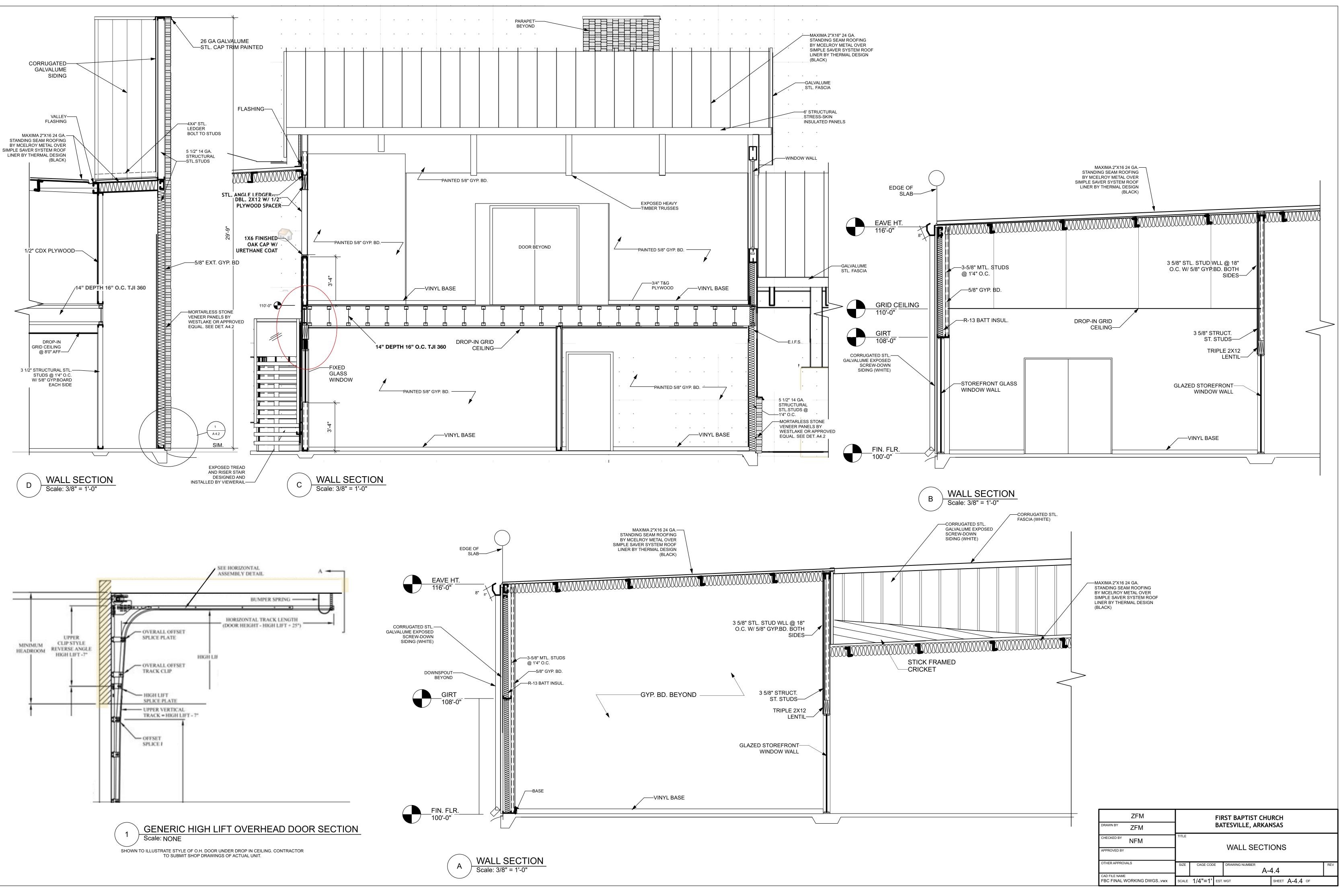
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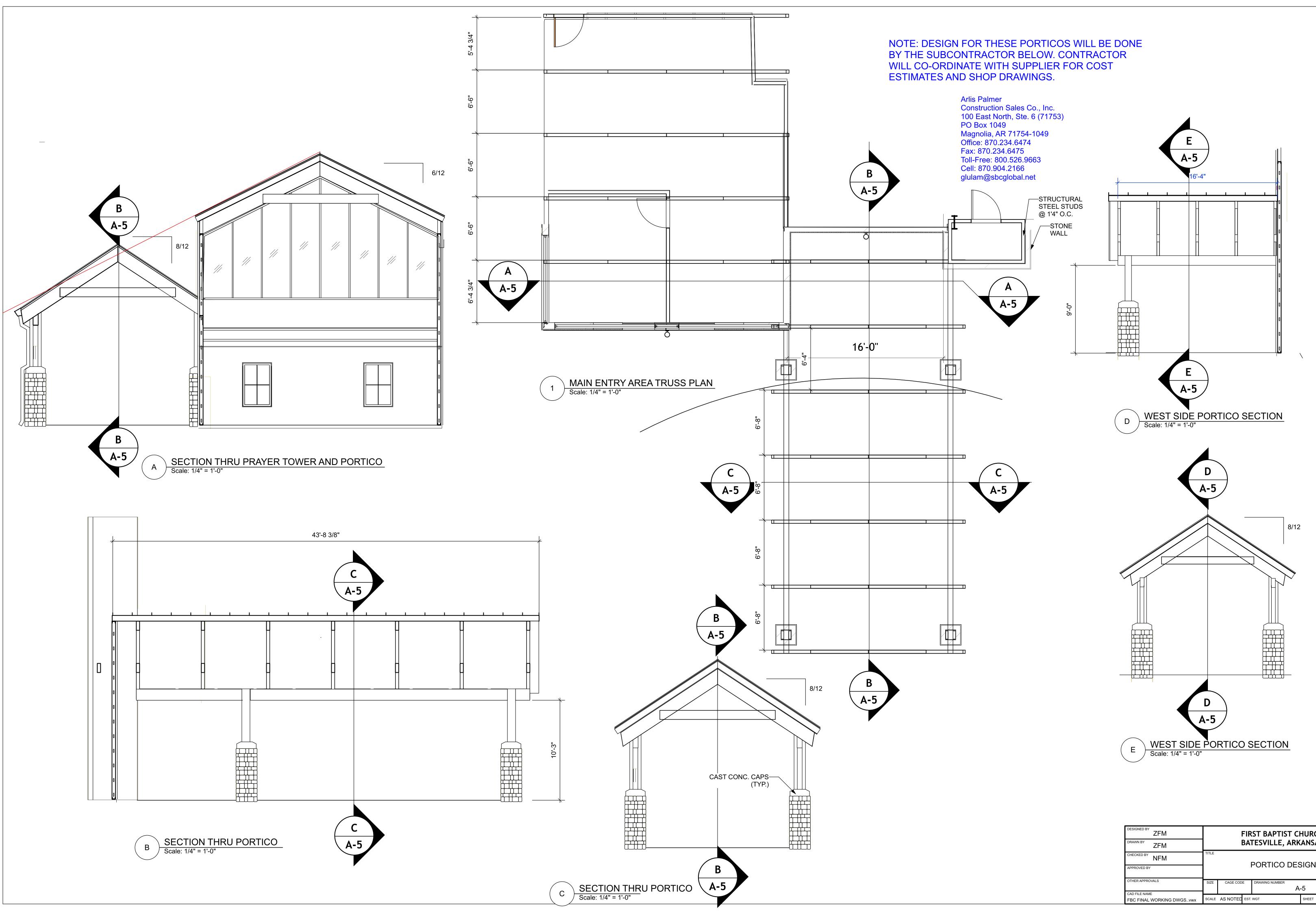




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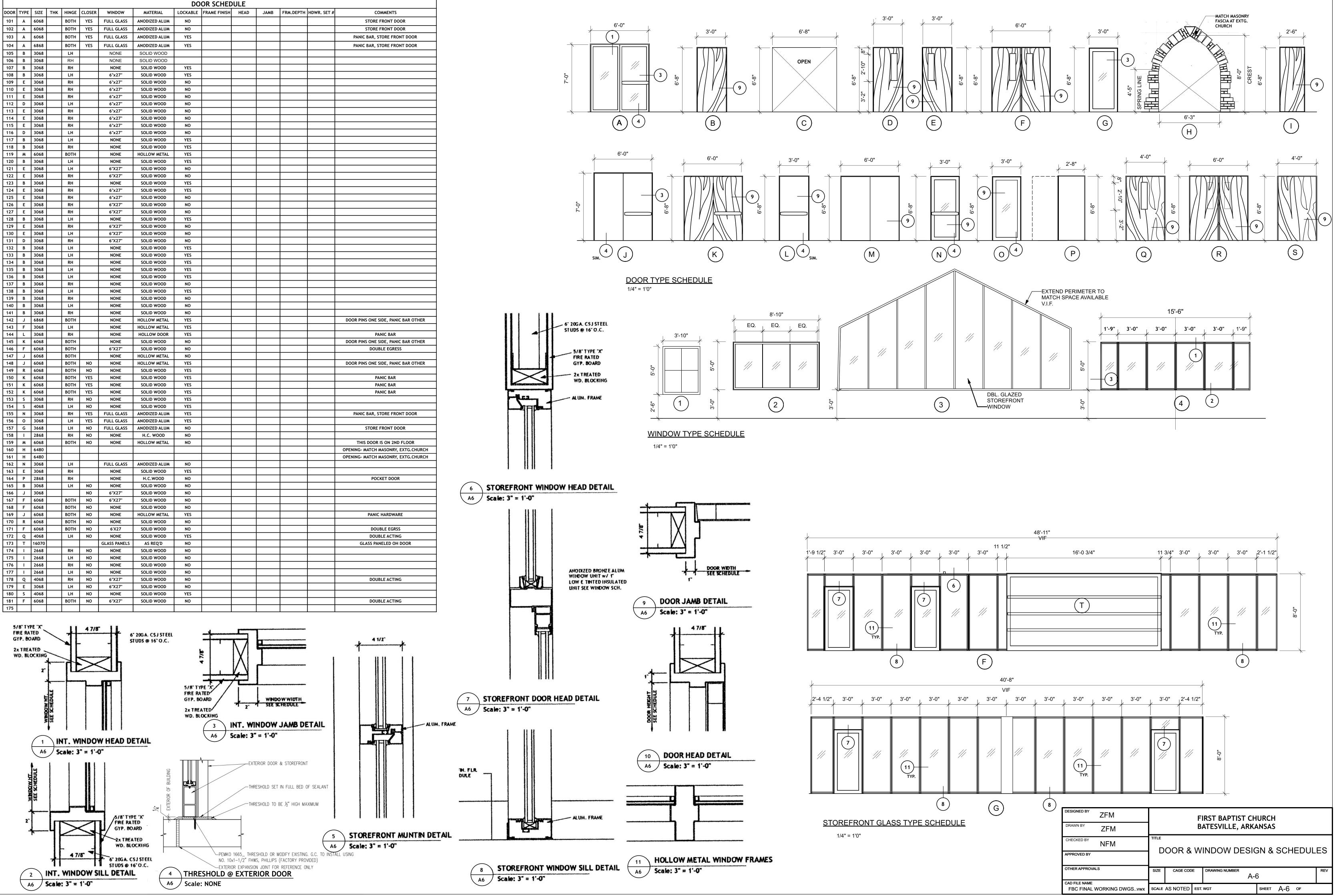






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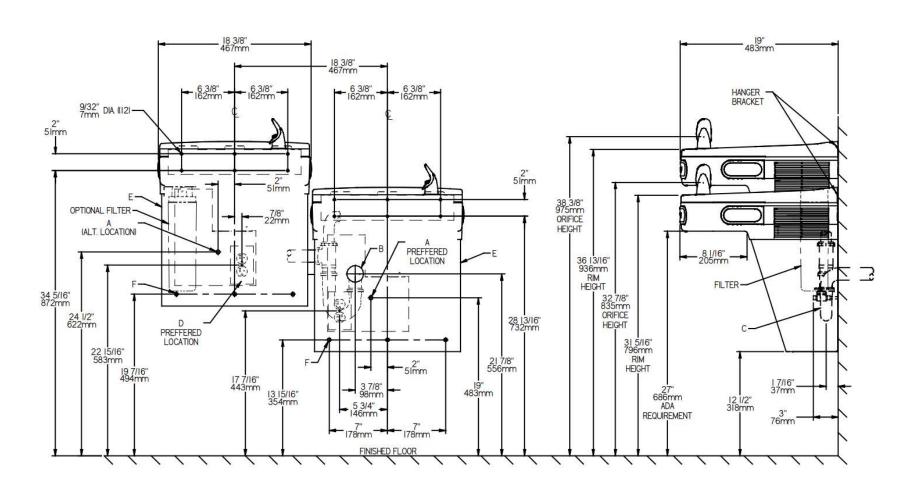
								DO		DULE				
DOOR	TYPE	SIZE	тнк	HINGE	CLOSER	WINDOW	MATERIAL	1	FRAME FINISH	HEAD	JAMB	FRM.DEPTH	HDWR. SET #	COMMENTS
101	Α	6068		BOTH	YES	FULL GLASS	ANODIZED ALUM	NO						STORE FRONT DOOR
102	Α	6068		BOTH	YES	FULL GLASS	ANODIZED ALUM	NO						STORE FRONT DOOR
103	Α	6068		BOTH	YES	FULL GLASS	ANODIZED ALUM	YES						PANIC BAR, STORE FRONT DOOR
104	Α	6868		BOTH	YES	FULL GLASS	ANODIZED ALUM	YES						PANIC BAR, STORE FRONT DOOR
105	В	3068		LH		NONE	SOLID WOOD							
106	B	3068		RH		NONE	SOLID WOOD	VEC						
107 108	B B	3068 3068		RH LH		NONE 6"x27"	SOLID WOOD	YES YES						
108	E	3068		RH		6"x27"	SOLID WOOD	NO						
110	E	3068		RH		6"x27"	SOLID WOOD	NO						
111	Е	3068		RH		6"x27"	SOLID WOOD	NO						
112	D	3068		LH		6"x27"	SOLID WOOD	NO						
113	E	3068		RH		6"x27"	SOLID WOOD	NO						
114	E	3068		RH		6"x27"	SOLID WOOD	NO						
115	E	3068 3068		RH LH		6"x27"	SOLID WOOD	NO						
116 117	D B	3068		LH		6"x27" NONE	SOLID WOOD	NO YES						
118	B	3068		RH		NONE	SOLID WOOD	YES						
119	M	6068		BOTH		NONE	HOLLOW METAL	YES						
120	В	3068		LH		NONE	SOLID WOOD	YES						
121	E	3068		LH		6"X27"	SOLID WOOD	NO						
122	E	3068		RH		6"X27"	SOLID WOOD	NO						
123	В	3068	<b> </b>	RH		NONE	SOLID WOOD	YES				ļ		
124 125	E	3068 3068		RH RH		6"x27" 6"x27"	SOLID WOOD	YES NO						
125	E	3068		RH RH		6"x27" 6"X27"	SOLID WOOD	NO NO						
120	E	3068		RH		6"X27"	SOLID WOOD	NO				1		
128	B	3068		LH		NONE	SOLID WOOD	YES				1		
129	E	3068		RH		6"X27"	SOLID WOOD	NO						
130	E	3068		LH		6"X27"	SOLID WOOD	NO						
131	D	3068	<b> </b>	RH		6"X27"	SOLID WOOD	NO				ļ		
132	B	3068 3068		LH LH		NONE	SOLID WOOD	YES						
133 134	B B	3068		RH		NONE	SOLID WOOD	YES YES						
134	B	3068		LH		NONE	SOLID WOOD	YES						
136	B	3068		LH		NONE	SOLID WOOD	YES						
137	В	3068		RH		NONE	SOLID WOOD	NO						
138	В	3068		LH		NONE	SOLID WOOD	YES						
139	В	3068		RH		NONE	SOLID WOOD	NO						
140	В	3068		LH		NONE	SOLID WOOD	NO						
141	В	3068		RH		NONE	SOLID WOOD	NO						
142 143	J F	6868 3068		BOTH LH		NONE	HOLLOW METAL HOLLOW METAL	YES YES						DOOR PINS ONE SIDE, PANIC BAR OTHER
144	L	3068		RH		NONE	HOLLOW DOOR	YES						PANIC BAR
145	ĸ	6068		BOTH		NONE	SOLID WOOD	NO						DOOR PINS ONE SIDE, PANIC BAR OTHER
146	F	6068		BOTH		6"X27"	SOLID WOOD	NO						DOUBLE EGRESS
147	J	6068		BOTH		NONE	HOLLOW METAL	NO						
148	J	6068		BOTH	NO	NONE	HOLLOW METAL	YES						DOOR PINS ONE SIDE, PANIC BAR OTHER
149	R	6068		BOTH	NO	NONE	SOLID WOOD	YES						
150 151	K K	6068 6068		вотн вотн	YES YES	NONE	SOLID WOOD	YES YES						PANIC BAR PANIC BAR
151	ĸ	6068		BOTH	YES	NONE	SOLID WOOD	YES	l					PANIC BAR
152	S	3068		RH	NO	NONE	SOLID WOOD	YES						
154	S	4068		LH	NO	NONE	SOLID WOOD	YES						
155	N	3068		RH	YES	FULL GLASS	ANODIZED ALUM	YES						PANIC BAR, STORE FRONT DOOR
156	0	3068		LH	YES	FULL GLASS	ANODIZED ALUM	YES						
157	G	3668		LH	NO	FULL GLASS		NO						STORE FRONT DOOR
158 159	M	2868 6068		RH BOTH	NO NO	NONE	H.C. WOOD HOLLOW METAL	NO NO						THIS DOOR IS ON 2ND FLOOR
159	M H	6480		BUIN		NUNE				<u> </u>				OPENING- MATCH MASONRY, EXTG.CHURCH
161	H	6480												OPENING- MATCH MASONRY, EXTG.CHURCH
162	N	3068		LH		FULL GLASS	ANODIZED ALUM	NO						
163	E	3068		RH		NONE	SOLID WOOD	YES						
164	Р	2868		RH		NONE	H.C.WOOD	NO						POCKET DOOR
165	В	3068		LH	NO	NONE	SOLID WOOD	NO						
166	J F	3068 6068		вотн	NO NO	6"X27" 6"X27"	SOLID WOOD	NO NO						
167 168	F	6068 6068		BOTH	NO NO	6"X27" NONE	SOLID WOOD	NO NO				+		
169	J	6068		BOTH	NO	NONE	HOLLOW METAL	YES		ļ	L			PANIC HARDWARE
170	R	6068		BOTH	NO	NONE	SOLID WOOD	NO				1		
171	F	6068		BOTH	NO	6'X27	SOLID WOOD	NO						DOUBLE EGRSS
172	Q	4068		LH	NO	NONE	SOLID WOOD	YES						DOUBLE ACTING
173	Т	16070				GLASS PANELS	AS REQ'D	NO						GLASS PANELED OH DOOR
174		2668	<b> </b>	RH	NO	NONE	SOLID WOOD	NO						
175		2668			NO	NONE		NO						
176 177		2668 2668		RH LH	NO NO	NONE	SOLID WOOD	NO NO						
177	Q	4068		RH	NO	NUNE 6"X27"	SOLID WOOD	NO NO						DOUBLE ACTING
179	E	3068		LH	NO	6"X27"	SOLID WOOD	NO						
180	S	4068		LH	NO	NONE	SOLID WOOD	YES				L		
181	F	6068		BOTH	NO	6"X27"	SOLID WOOD	NO						DOUBLE ACTING
175			1				I							

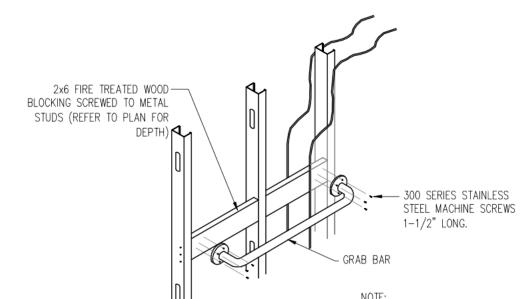


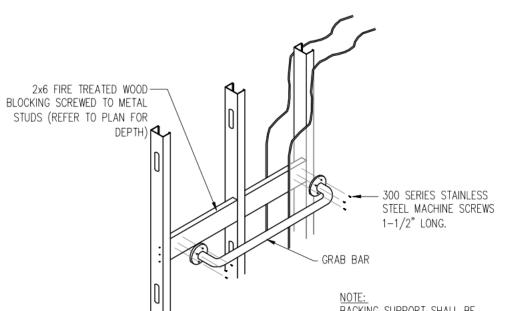
		terial, internet images OK)		
Location	Material	Color	Sample/ Photo	URL https://hstech.org/how-to-tech/platforming-things-to-stand-on-stage-decks-etc/laying-a-maso
Stage	Masonite	Black		nite-deck/
Worship Center Floor Risers	Carpet Tile Masonite	NextFloor Development 811 010 Gunmetal Black		https://www.nextfloor.net/?roomvoStartVisualizer=true&sku=811%20010 https://quikstage.com/product-info/portable-staging/quik-stage-portable-stage/
Green Room	Carpet Tile	NextFloor Development 811 010 Gunmetal		https://www.nextfloor.net/?roomvoStartVisualizer=true&sku=811%20010
Choir Room	Carpet Tile	NextFloor Development 811 010 Gunmetal		https://www.nextfloor.net/?roomvoStartVisualizer=true&sku=811%20010
Kitchen	Tile	Mayflower Red		https://www.tilebar.com/elemental-abrasive-mayflower-red-8x8-unglazed-ceramic-qu arry-tile.html?g_acctid=625-399-4242&g_adgroupid=&g_adid=&g_adtype=none&g_ campaign=Tilebar+-+US+-+P-Max+-+Categories+-+Full+Orders+-+Shopping+Only+ %28Multiple+Audiences%29&g_campaignid=20881264726&g_keyword=&g_keywor did=&g_network=x&gad_source=1&gclid=Cj0KCQjwtZK1BhDuARIsAAy2VzuW2uew f4e_cCB8SFIKy6pp135w9VfYmmib2zP3Oym-i9JHg0unboMaAmT8EALw_wcB
Gathering Space	Stained Concrete	Spanish Café 004		https://www.homedepot.com/p/Classic-Coatings-Systems-1-qt-Spanish-Cafe-Concentrated-S emi-Transparent-Water-Based-Interior-Exterior-Concrete-Stain-SS004-1QT/321493999?g_st ore=&source=shoppingads&locale=en-US&pla&mtc=SHOPPING-BF-CDP-GGL-D24-024_01 2_WATERPROOFER-NA-Multi-NA-PLALIA-NA-NA-NA-NA-NBR-NA-NA-NA-FY21_Exterior_ PLALIA&cm_mmc=SHOPPING-BF-CDP-GGL-D24-024_012_WATERPROOFER-NA-Multi-N A-PLALIA-NA-NA-NA-NA-NBR-NA-NA-FY21_Exterior_PLALIA-71700000075826949-58 700006496586422-92700058691145319&gad_source=1&gclid=Cj0KCQjwtZK1BhDuARIsAA y2VzvWWfyYzIB4NQOOLRVr-7x9DjOHz_eTHI-iAXr1y7K2QWtMSDadQaAt5qEALw_wcB& gclsrc=aw.ds#overlay
Prayer Tower Offices	Carpet Tile Carpet Tile	NextFloor Development 811 010 Gunmetal NextFloor Development 811 010 Gunmetal		https://www.nextfloor.net/?roomvoStartVisualizer=true&sku=811%20010 https://www.nextfloor.net/?roomvoStartVisualizer=true&sku=811%20010
Bathrooms	Linoleum Tile	Armstrong Premium Excelon Crown Texture 5C234		https://www.armstrongflooring.com/commercial/en-us/products/vinyl-composition-tile/premiu m-excelon-crown-texture/item/5c234.html
Classrooms	Linoleum Tile	Armstrong Premium Excelon Crown Texture 5C234		https://www.armstrongflooring.com/commercial/en-us/products/vinyl-composition-tile/premiu m-excelon-crown-texture/item/5c234.html
Ministry Center Floors	Stained Concrete	Spanish Café 004		https://www.homedepot.com/p/Classic-Coatings-Systems-1-qt-Spanish-Cafe-Concentrated-S emi-Transparent-Water-Based-Interior-Exterior-Concrete-Stain-SS004-1QT/321493999?g_st ore=&source=shoppingads&locale=en-US&pla&mtc=SHOPPING-BF-CDP-GGL-D24-024_01 2_WATERPROOFER-NA-Multi-NA-PLALIA-NA-NA-NA-NA-NBR-NA-NA-NA-FY21_Exterior_ PLALIA&cm_mmc=SHOPPING-BF-CDP-GGL-D24-024_012_WATERPROOFER-NA-Multi-N A-PLALIA-NA-NA-NA-NA-NBR-NA-NA-FY21_Exterior_PLALIA-71700000075826949-58 700006496586422-92700058691145319&gad_source=1&gclid=Cj0KCQjwtZK1BhDuARIsAA y2VzvWWfyYzIB4NQOOLRVr-7x9DjOHz_eTHI-iAXr1y7K2QWtMSDadQaAt5qEALw_wcB& gclsrc=aw.ds#overlay
Wall Colors (swatche Location	es, color codes) Material	Color	Sample/ Photo	URL
Worship Center	Sherman Williams Eggshell	SW7566 Westhighland White	See URL	https://www.sherwin-williams.com/en-us/color/color-family/white-paint-colors/SW7566-westhi ghland-white
Gathering Space	Sherman Williams	SW7566	See URL	https://www.sherwin-williams.com/en-us/color/color-family/white-paint-colors/SW7566-westhi ghland-white
Prayer Tower	Eggshell Sherman Williams	Westhighland White SW7566	See URL	https://www.sherwin-williams.com/en-us/color/color-family/white-paint-colors/SW7566-westhi
Office Walls	Eggshell Sherman Williams	Westhighland White SW7105	See URL	ghland-white https://www.sherwin-williams.com/en-us/color/color-family/white-paint-colors/SW7105-paper
	Eggshell Sherman Williams	Paperwhite SW7105		white https://www.sherwin-williams.com/en-us/color/color-family/white-paint-colors/SW7105-paper
Bathrooms	Semi-Gloss Sherman Williams	Paperwhite SW9085	See URL	white https://www.sherwin-williams.com/en-us/color/color-family/orange-paint-colors/SW9085-touc
Hallways	Eggshell Sherman Williams	Touch of Sand	See URL	h-of-sand
Classrooms	Eggshell	Paperwhite	See URL	https://www.sherwin-williams.com/en-us/color/color-family/white-paint-colors/SW7105-paper white
Ministry Center Rooms/Hallways	Sherman Williams Eggshell	SW9085 Touch of Sand	See URL	https://www.sherwin-williams.com/en-us/color/color-family/orange-paint-colors/SW9085-touc h-of-sand
Ministry Center Bathrooms	Sherman Williams Semi-Gloss	SW7105 Paperwhite	See URL	https://www.sherwin-williams.com/en-us/color/color-family/white-paint-colors/SW7105-paper white
Hallway/Office Trim	Sherman Williams Eggshell	SW9088 Utaupeia	See URL	https://www.sherwin-williams.com/en-us/color/color-family/orange-paint-colors/SW9088-utau peia
Ceilings - Types and Location	Colors Material	Color	Sample/ Photo	URL
Worship Center Ceiling	Exposed Ceiling	Black		
Gathering Space	Exposed Ceiling	Black		
Ceiling Youth Room Ceiling	Exposed Ceiling	Black		
Office/Hallway/Classr oom/Bathroom Ceilings	2' x 2' Drop Ceiling	White		
Images of Furniture 1 Location	Fo Be Added (1 or 2 ir Material	nages of each piece of furniture) Color	Sample/ Photo	URL
	Mid-Century Modern			
Gathering Sofa/Matching Chairs	Faux Leather Living Room Sofa Set	Burgundy		https://www.amazon.com/Moxoq-Mid-Century-Modern-Leather-Living/dp/B0D8T8F3 9S?ref_=ast_slp_dp&th=1
Prayer Tower Sofa/Matching Chairs	Mid-Century Modern Faux Leather Living Room Sofa Set	Burgundy		https://www.amazon.com/Moxoq-Mid-Century-Modern-Leather-Living/dp/B0D8T8F3 9S?ref_=ast_slp_dp&th=1
Prayer Tower Conference Table	GOF 10FT Conf Table & Chairs	Black		https://www.amazon.com/GOF-Conference-Espresso-Mahogany-Artisan/dp/B07Q877958/ref =sr_1_33?crid=1UDH6AHFIGKBT&dib=eyJ2IjoiMSJ9.NMIb3bmYOdWEXdAkYCXk9S4gTZU N9Ck315MWe7i7RkY-L5CjMDD1_fkfvHBBRqU33L6YxiuQZfj4vtQ-9eunWVDDB6stEPs5SyK XaYPInc-56x8CqHnzRrkbxEzvJtMB-9kKF6rd8NIzEDnv5pWT-7L2RLNpXERvApZiQnKfAI3C BWt_xXsPSw10o7UzfgHWRg6YxBns5U6onCrv2-Ugb0ETXbug9RQ4WKNyfKYArpE2S41MI ReuHtD9hZznQtg99oIHGZ6cmi1YTisx0gZvmVslgY4UIJGq-qvosmrosrk.Jo4vB-4SEgJx1kMa dTNc00Yf-jYMKcz8PjkNrx6NQeM&dib_tag=se&keywords=8%2Bseat%2Bconference%2Bta ble&qid=1722513170&sprefix=8%2Bseat%2Bconference%2Btable%2Caps%2C162&sr=8-3 3&th=1
Gathering Coffee Bar	Sample Coffee Bar	Wood Tones		https://www.pinterest.com/pin/513621532515258037/ https://www.amazon.com/Upholstered-Furniture-Including-3-Seater-Loveseat/dp/B0D922ZT
Green Room Sofa Set	Harper & Bright Designs 2-Piece Living Room Furniture Set	Gray		N9/ref=sr_1_37?crid=1V07TEJYM5CTY&dib=eyJ2IjoiMSJ9.YoZIwz0IWxfrCiSdjiwaoQkKPg1 PpMWNrTktRxIxvO5Z7O0vi3VeZCFsu8vyeTjVvnRXen6ErDGoxB0SyCISxvQ5Dv891f-aJGA _vbaERUIODFSqxHPvjfuvscaKAU3uqc9getAkpgaO8zBUveWIsQe-6Dzmkt6v2w_Ykp9R9jO W4SPPEGIzsk16RZkOVvbi0B4iOTcPIAdfEcddx63J3X0_8engEPHLYuhrULVRwl4jeGOb0Pqi HbP0-mr834B8CqFo4hFQsvvHUGDLsGBkpn9AZf2XG_U2hE_wgQ6D7_w.O3VO2uX_Jju0Y mX9bg23z7I7P_AWORNfW50BUoqJEZQ&dib_tag=se&keywords=couch%2B%26%2Bloves eat&qid=1722512876&sprefix=couch%2B%26%2Bloves%2Caps%2C1871&sr=8-37&th=1
Gathering Visitor	Sample Welcome	Wood Tones		https://www.pinterest.com/pin/340584790576631344/
Kiosk Children's Check-In Kiesk	Kiosk Kids Ministry Check	Multiple Colors		https://www.portablechurch.com/kids-ministry-check-in-area-gallery/
	In Station niture Type And Locat	tions (floor top view, can be by hand)		
Gathering Space Worship Center				
Sanctuary Chairs (siz	ze, manufacturer, moo Material	del, images) Color	Sample/ Photo	URL
Worship Center	Fabric	940 Kahki		https://www.churchplaza.com/church-chairs/jericho/
Children's Indoor	r any other details we	would like to see on the renderings		https://www.goplaysystems.com/product/indoor-playground-gps1044-12-ft-h-x-20-ft-
Play Equipment			1	<u>w-x-20-ft/</u>

## URL g-things-to-stand-on-stage-decks-etc/laying-a-maso rtVisualizer=true&sku=811%20010 le-staging/quik-stage-portable-stage/ rtVisualizer=true&sku=811%20010 rtVisualizer=true&sku=811%20010 asive-mayflower-red-8x8-unglazed-ceramic-qu <u>&g\_adgroupid=&g\_adid=&g\_adtype=none&g\_</u> -Categories+-+Full+Orders+-+Shopping+Only+ paignid=20881264726&g\_keyword=&g\_keywor clid=Cj0KCQjwtZK1BhDuARIsAAy2VzuW2uew 2P3Oym-i9JHg0unboMaAmT8EALw\_wcB patings-Systems-1-qt-Spanish-Cafe-Concentrated-S terior-Concrete-Stain-SS004-1QT/321493999?g\_st S&pla&mtc=SHOPPING-BF-CDP-GGL-D24-024\_01 IA-NA-NA-NA-NBR-NA-NA-NA-FY21\_Exterior\_ -GGL-D24-024\_012\_WATERPROOFER-NA-Multi-N A-FY21\_Exterior\_PLALIA-71700000075826949-58 &gad\_source=1&gclid=Cj0KCQjwtZK1BhDuARIsAA \_eTHI-iAXr1y7K2QWtMSDa--dQaAt5qEALw\_wcB& rtVisualizer=true&sku=811%20010 rtVisualizer=true&sku=811%20010 ercial/en-us/products/vinyl-composition-tile/premiu ercial/en-us/products/vinyl-composition-tile/premiu batings-Systems-1-qt-Spanish-Cafe-Concentrated-S terior-Concrete-Stain-SS004-1QT/321493999?g\_st S&pla&mtc=SHOPPING-BF-CDP-GGL-D24-024\_01 IA-NA-NA-NA-NBR-NA-NA-NA-FY21 Exterior -GGL-D24-024\_012\_WATERPROOFER-NA-Multi-N A-FY21\_Exterior\_PLALIA-71700000075826949-58 &gad\_source=1&gclid=Cj0KCQjwtZK1BhDuARIsAA \_eTHI-iAXr1y7K2QWtMSDa--dQaAt5qEALw\_wcB& 5%" DUROCK OR EQUAL UP 2'-0" AFF AT WET AREAS (BOH &----RESTROOMS). MAINTAIN RATED CONSTRUCTION WHERE REQUIRED URL FINISH MATERIAL TO EXTEND 1" MIN. BELOW T.O. BASE color/color-family/white-paint-colors/SW7566-westhi color/color-family/white-paint-colors/SW7566-westhi color/color-family/white-paint-colors/SW7566-westhi color/color-family/white-paint-colors/SW7105-paper color/color-family/white-paint-colors/SW7105-paper color/color-family/orange-paint-colors/SW9085-touc (D2) color/color-family/white-paint-colors/SW7105-paper color/color-family/orange-paint-colors/SW9085-touc color/color-family/white-paint-colors/SW7105-paper color/color-family/orange-paint-colors/SW9088-utau URL URL Century-Modern-Leather-Living/dp/B0D8T8F3 Century-Modern-Leather-Living/dp/B0D8T8F3 ce-Espresso-Mahogany-Artisan/dp/B07Q877958/ref yJ2IjoiMSJ9.NMlb3bmYOdWEXdAkYCXk9S4gTZU BRgU33L6YxiuQZfj4vtQ-9eunWVDDB6stEPs5SyK F6rd8NIzEDnv5pWT-7L2RLNpXERvApZiQnKfAI3C 6onCrv2-Ugb0ETXbug9RQ4WKNyfKYArpE2S41MI ZvmVslgY4UIJGq-qvosmrosrk.Jo4vB-4SEgJx1kMa ag=se&keywords=8%2Bseat%2Bconference%2Bta %2Bconference%2Btable%2Caps%2C162&sr=8-3 515258037/ rniture-Including-3-Seater-Loveseat/dp/B0D922ZT kdib=eyJ2IjoiMSJ9.YoZIwz0IWxfrCiSdjiwaoQkKPg1 yeTjVvnRXen6ErDGoxB0SyClSxvQ5Dv891f-aJGA getAkpgaO8zBUveWlsQe-6Dzmkt6v2w\_Ykp9R9jO lfEcddx63J3X0\_8engEPHLYuhrULVRwl4jeGOb0Pqi Bkpn9AZf2XG\_U2hE\_wgQ6D7\_w.O3VO2uX\_Jju0Y Q&dib tag=se&keywords=couch%2B%26%2Bloves 3%26%2Bloves%2Caps%2C1871&sr=8-37&th=1 0576631344/ istry-check-in-area-gallery/ URL chairs/jericho/

## 

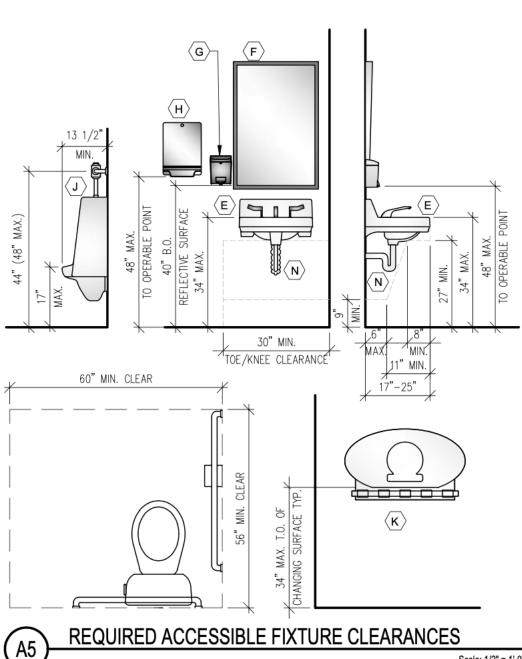






# TYP. GRAB BAR ATTACHMENT DETAIL

Scale: 3" = 1'-0"



## CODED NOTES 1 PROVIDE NEW SCHLUTER STRIP 2 NO TILE BENEATH MILLWORK GENERAL NOTES A. G.C. TO SUBMIT SAMPLES OF ALL FINISH MATERIAL TO HEALTH DEPARTMENT FOR REVIEW PRIOR TO PURCHASE AND INSTALLATION.

- B. ALL FLOOR FINISHES SHALL BE INSTALLED WITH TOP EDGES LEVEL WITH ADJACENT MATERIAL TOP EDGES. CONFIRM TILE THICKNESS AS THESE MAY VARY. CONFIRM THAT NO OVERALL FLOATING OF FLOOR IS REQUIRED. C. COORDINATE FLOORING TRANSITIONS AND BASE TILE INSTALLATION WITH MILLWORK SHOP DRAWINGS AND FIELD CONDITIONS. D. ALL THRESHOLDS SHALL HAVE A MAXIMUM HEIGHT OF 1/2" ABOVE EXISTING CONCRETE SLAB AND/OR INTERIOR FINISHES. E. TILE TRANSITION BETWEEN ROOMS TO BE CENTERED ON DOOR FRAME. F. SEE PLUMBING DRAWINGS FOR DIMENSIONS AND LOCATIONS OF FLOOR DRAINS AND FLOOR SINKS. G. G.C. TO LEAVE ONSITE, UPON COMPLETION OF JOB (1) BOX EACH OF ALL WALL, FLOOR AND CEILING TILE USED. H. ALL FINISH MATERIALS TO BE IBC CHAPTER 8 COMPLIANT. ALL INTERIOR FINISHES TO HAVE A FLAME SPREAD RATING OF 25 OR LESS. WITH A MAXIMUM SMOKE GENERATION FACTOR OF 450. TILE INSTALLER SHALL COORDINATE WITH GENERAL CONTRACTOR AND PROVIDE LAYOUT OF ALL WALL TILE PRIOR TO INSTALLATION. GENERAL CONTRACTOR. SHALL PREPARE WALLS AS TO MINIMIZE CUT TILES IN THE HORIZONTAL DIRECTION AND ELIMINATE CUT TILES IN THE VERTICAL DIRECTION ON ANY WALLS, CONTACT ARCHITECT OF ANY DISCREPANCIES IN DIMENSIONS FOR DIRECTION PRIOR TO INSTALLATION, FAILURE TO ADHERE TO THESE REQUIREMENTS RESULTING IN ANY REMEDIATION REQUIRED TO MEET DESIGN INTENT WILL BE AT CONTRACTORS COST. ALL WALL MOUNTED HVAC VENT REGISTERS AND GRILLS TO BE PAINTED TO MATCH ASSOCIATED WALL SURFACE.
- ALL GYPSUM BOARD WALLS TO RECEIVE PAINT TO HAVE LEVEL 5 FINISH

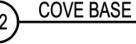


REFER TO FINISH SCHEDULE FOR WALL FINISHES-

WALL FRAMING - REFER TO PLAN-

FLOOR FINISH - REFER TO PLAN-

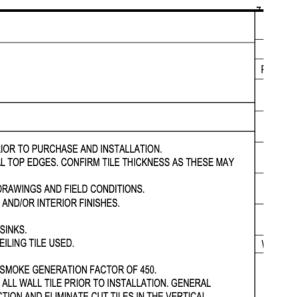
6" COVE BASE - REFER TO FINISH SCHEDULE -

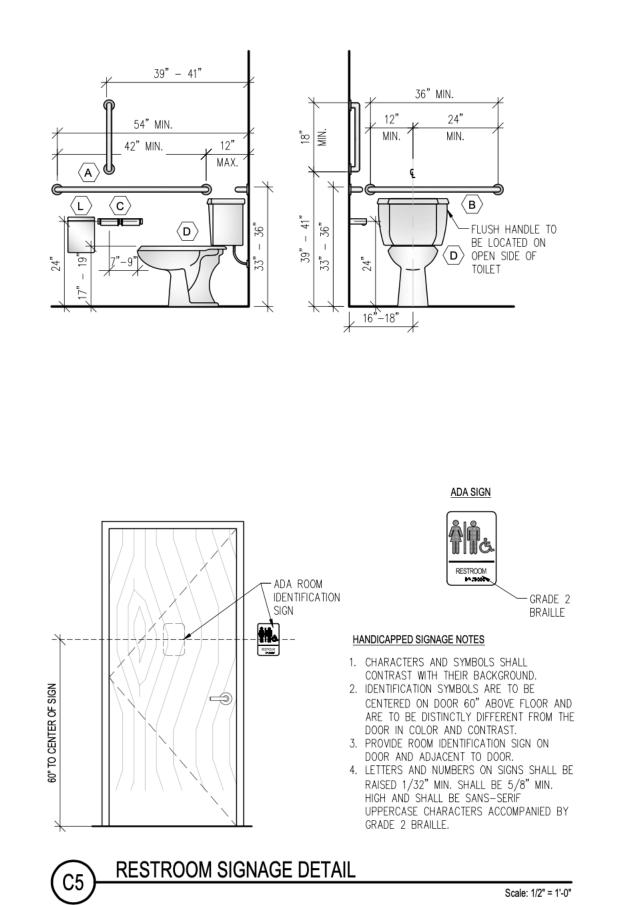


BACKING SUPPORT SHALL BE SUFFICIENT TO SUPPORT A 250 POUND POINT LOAD.

Scale: 1/2" = 1'-0"

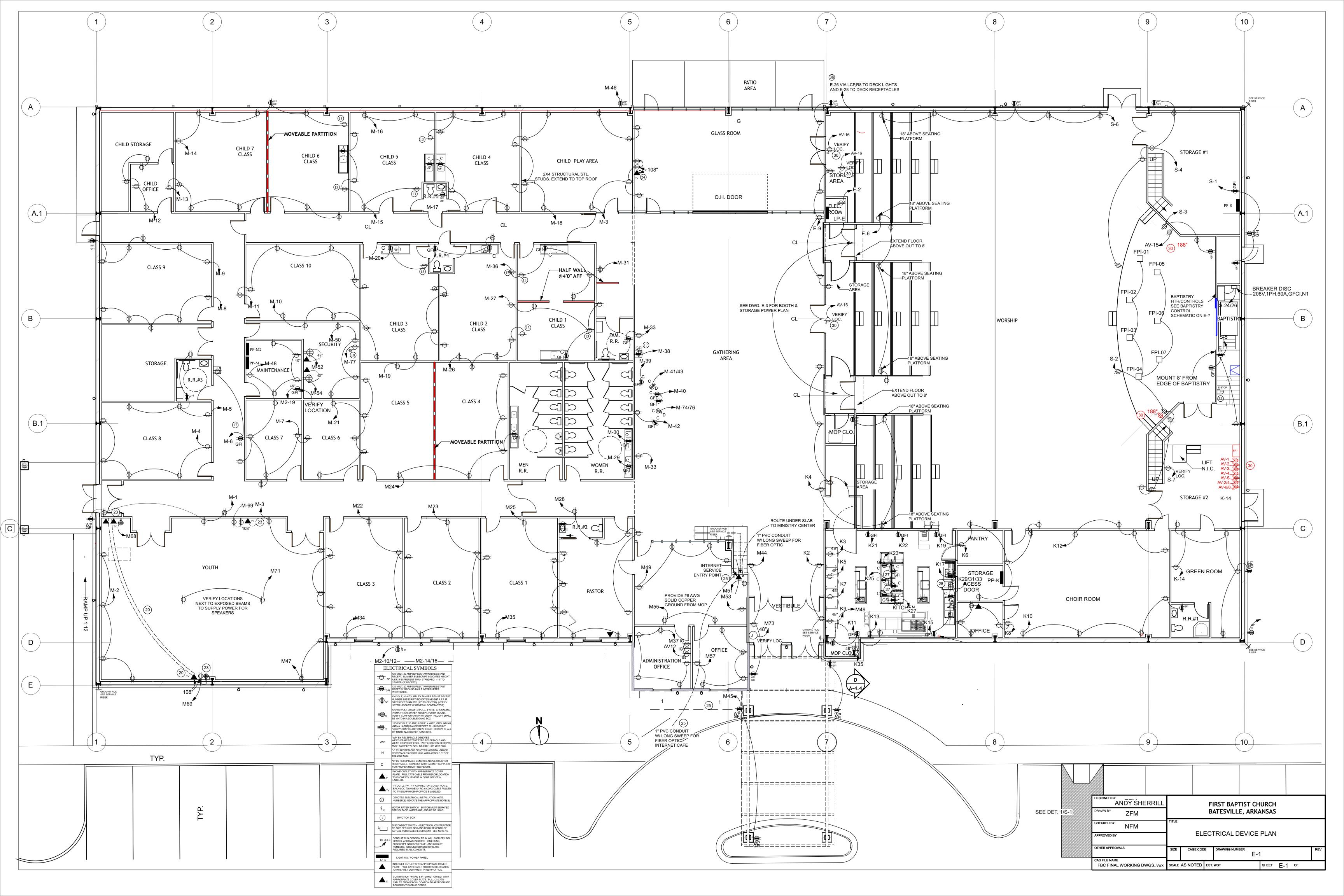
Scale: 1/2" = 1'-0"

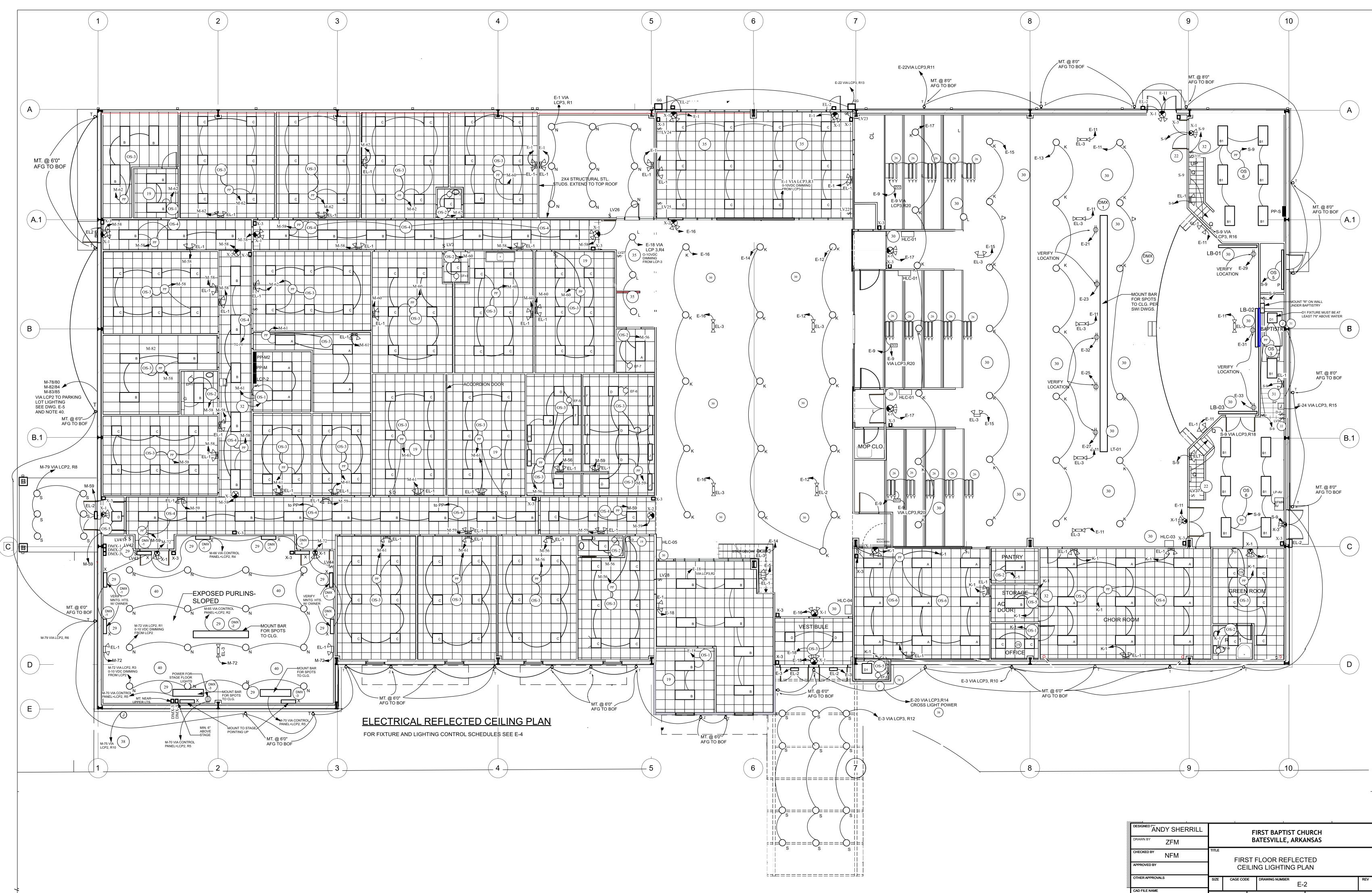




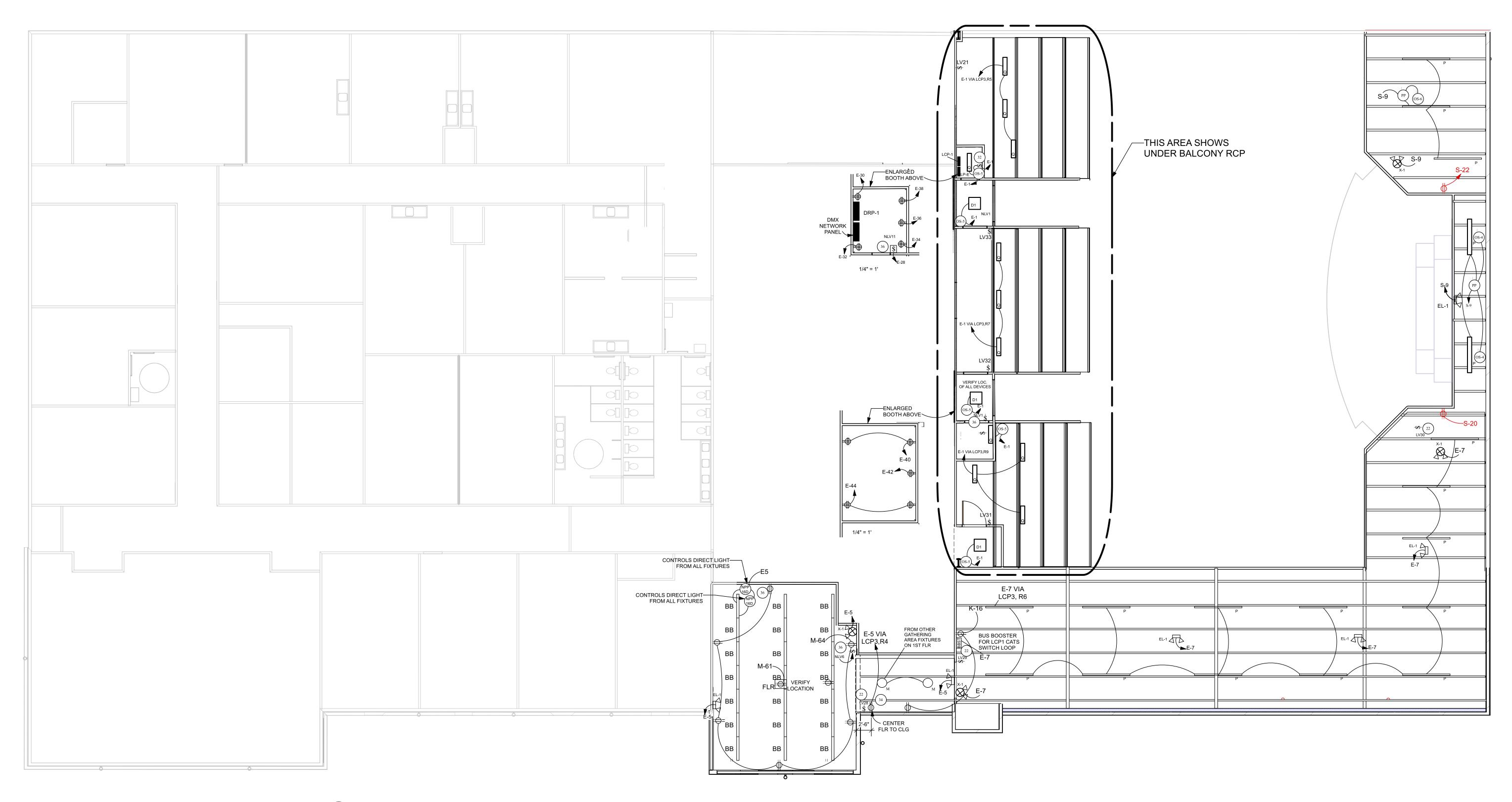
## . **ROOM FINISH SCHEDULE** ROOM NAME LOOR BASE WALLS CEILING CLASS #1 VCT 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid CLASS #2 VCT CLASS #3 VCT 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid CLASS #4 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid VCT CLASS #5 VCT 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid CLASS #6 VCT 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid CLASS #7 VCT VCT 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid CLASS #8 CLASS #10 VCT 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid CHILD CLASS #1 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid VCT 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid CHILD CLASS #2 VCT 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid CHILD CLASS #3 VCT CHILD CLASS #4 VCT 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid CHILD CLASS #5 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid VCT 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid CHILD CLASS #6 VCT <u>CHILD CLASS #7</u> 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid VCT 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid ADMIN/COPY ROOM Carpet 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid ADMINISTRATIVE OFFICE Carpet 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid PASTOR OFFICE Carpet FIN. CONCRETE 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid YOUYH CHILD OFFICE Carpet 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid FIN. CONCRETE NO BASE Painted Gyp. Board 2X4 Accoust. Grid CHILD STORAGE CHILD PLAY AREA FIN. CONCRETE 4" Vinyl Cove Painted Gyp. Board Exposed roof GLASS ROOM TAINED FIN.CONC. 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid WORSHIP TAINED FIN.CONC. 4" Vinyl Cove Painted Gyp. Board Exposed roof TAINED FIN.CONC. 4" Vinyl Cove | Painted Gyp. Board | 2X4 Accoust. Grid VESTIBULE FIN. CONCRETE NO.BASE Painted Gyp. Board Exposed floor above MOP CLO. ELEC. ROOM FIN. CONCRETE NOBASE Painted Gyp. Board Exposed risers abofr FIN. CONCRETE 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid FIN. CONCRETE 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid FIN. CONCRETE 4" Vinyl Cove Painted Gyp. Board 2X2 Accoust. Grid 1?#3 GATHERING AREA STAINED FIN.CONC. 4" Vinyl Cove Painted Gyp. Board Exposed roof FIN. CONCRETE NO BASE Painted Gyp. Board 2X4 Accoust. Grid MAINTENANCE STORAGE FIN. CONCRETE NO BASE Painted Gyp. Board 2X4 Accoust. Grid SECURITY FIN. CONCRETE 4" Vinyl Cove Painted Gyp. Board 2X4 Accoust. Grid 2ND FLR STORAGE #1 3/4"T&G PLYWD NO BASSE EXPOSED STL. STUDS Exposed roof 2ND FLR STORAGE #2 3/4"T&G PLYWD NO BASE EXPOSED STL. STUDS Exposed roof PRAYER TOWER ROOM 4" Vinyl Cove Painted Gyp. Board Painted Gyp. Board Carpet CORRIDORS V.C.T. 4" Vinyl Cove Painted W.R. Gyp. Bd. 2X2 Accoust. Grid AMILY RR.R. V.C.T. 4" Vinyl Cove Painted W.R. Gyp. Bd. 2X2 Accoust. Grid WOMEN R.R. V.C.T. 4" Vinyl Cove Painted W.R. Gyp. Bd. 2X2 Accoust. Grid 4" Vinyl Cove Painted W.R. Gyp. Bd. 2X2 Accoust. Grid MEN R.R. V.C.T. R.R. #3 V.C.T. 4" Vinyl Cove Painted W.R. Gyp. Bd. 2X2 Accoust. Grid R.R. #4 V.C.T. 4" Vinyl Cove Painted W.R. Gyp. Bd. 2X2 Accoust. Grid R.R. #5 V.C.T. 4" Vinyl Cove Painted W.R. Gyp. Bd. 2X2 Accoust. Grid R.R. #1 4" Vinyl Cove Painted W.R. Gyp. Bd. 2X2 Accoust. Grid VCT Finished Concrete 4" Vinyl Cove Painted W.R. Gyp. Bd. 2X2 Accoust. Grid R.R. #2

DESIGNED BY ZFM DRAWN BY ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS								
CHECKED BY NFM	TITLE	ARCH.	D	ETAILS, FINISI	H SCH	IED	ULES		
OTHER APPROVALS	SIZE	CAGE COD	E	DRAWING NUMBER	7			REV	
CAD FILE NAME FBC FINAL WORKING DWGSvwx	SCALE	AS NOTED	EST.	WGT	SHEET	A-7	OF		





DRAWN BY     ZFM     BATESVILLE, ARKANSAS       CHECKED BY     NFM     TITLE       APPROVED BY     FIRST FLOOR REFLECTED CEILING LIGHTING PLAN     E       OTHER APPROVALS     SIZE     CAGE CODE     DRAWING NUMBER E-2     REV					_ <b>Г</b>		UKCH				
APPROVED BY     NFM       APPROVED BY     FIRST FLOOR REFLECTED CEILING LIGHTING PLAN       OTHER APPROVALS     SIZE     CAGE CODE     DRAWING NUMBER     REV	DRAWN BY ZFM				B	ATESVILLE, ARKA	ANSAS				
APPROVED BY     CEILING LIGHTING PLAN       OTHER APPROVALS     SIZE     CAGE CODE     DRAWING NUMBER     E-2	CHECKED BY NFM		TITLE	FIRS	ST F	FLOOR REFLEC	TED				
E-2	APPROVED BY										
	OTHER APPROVALS		SIZE	CAGE COD	E		2			REV	
	CAD FILE NAME										
FBC FINAL WORKING DWGSvwx SCALE AS NOTED EST. WGT SHEET E-2 OF	FBC FINAL WORKING D	WGSvwx	SCALE AS NOTED EST. WGT SHEET E-2 OF					OF			



Scale: 1/8" = 1'-0" FOR FIXTURE AND LIGHTING CONTROL SCHEDULES SEE E-4 FOR INSTALLATION NOTES SEE SEE E-?

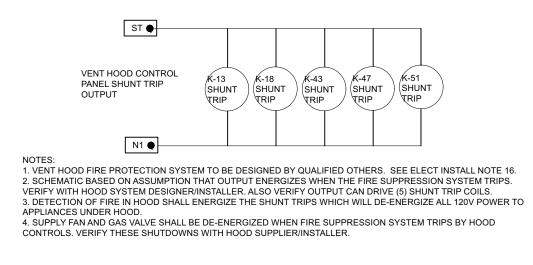
## SECOND FLOOR AND UNDER BALCONY REFLECTED CEILING PLAN

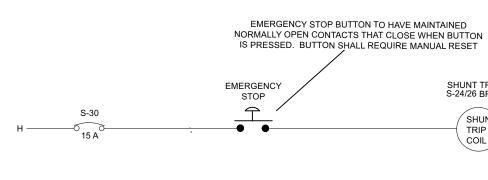
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DESIGNED BY ZFM DRAWN BY ZFM				IRST BAPTIST CHURCH ATESVILLE, ARKANSAS	
CHECKED BY NFM APPROVED BY	TITLE	ELEC		SECOND FLOOR RIC POWER & LIGHTING	
OTHER APPROVALS	SIZE	CAGE COD	E	DRAWING NUMBER E-3	REV
CAD FILE NAME FBC FINAL WORKING DWGSvwx	SCALE	AS NOTED	EST.	WGT SHEET E-3 OF	

CP 3 LOCATION ELECT RM UNDER SEATS NUGHT ARP INTENCS2 N.T 32FCR MVOLT S	BU UI21 LOCATION INDEER SEAT STORAGE POODMA SC SM OTC	S ROOM NE LOCATION GLASS ROOM NW LOCATION GLASS ROOM NU ROOM ROOM ROOM ROOM ROOM ROOM ROOM ROO	LASS ROOM SW SUV 28 LICCATION: CHILD PLAY AREA #PODMA	BULUZI LOCATOR PODMA DX BULUZI LOCATOR: ADDIS CHECK-IN PODMA	SU LV29 SU LV29 N LOCATION: PRAVER TOWER RPODMA 2P DX	DN: WALKWAY
EN UNAT LOCATION MIDDLE UNDER SEAT STOR NORTH ENTRY #PODMA	SLV LV40 LOCATION: MIDDLE UNDER LOCATION: SANCTUARY SEAT STOR SOUTH ENTRY SOUTH ENTRY SOUTH ENTRY (STAIR UN	Losan South Carlow	36 \$LV LV35 \$LV LON:BAPTISTRY LOCATION: LEFTATTIC LO STAIRS (BTM) ST	ALVINI ALVINI CATORI LEFT ATTIC ASIS (TOP) ODMA 2P	TER ATTIC) 120 VAC FROM E - 7 ESU UVE LOCATON: RIGHT ATTIC STORAGE nPODMA 2P	EN INDI LOCATION ATTIC WALKWAY #PODMA
		ROLS - LOW VOLTAGE SINGLE	LINE			
ID: LCP 3 Location: Elect Rm Under So Supply Circuit: E-10 Voltage						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Zone         Type         Voltage         Source           NC         120V         Normal           NC         120V <td< td=""><td>Description         Child Play Area Lights         Glass Room Lights         N Underseat Stor Light         Middle Underseat Stor         S Underseat Stor Light         Rear Ext Wall Lights         Rear Flood Lights         Baptistry Cross Lights         Prayer Tower Indirect         Prayer Tower Direct         PrayTwr/Attic Walkway         Stained Glass Light         Spare         Spare         Spare         Spare         Spare</td><td>Relay         Line Feed           2         E-18           4         E-18           6         E-7           8         E-26           10         E-3           12         E-3           14         E-20           16         S-9           18         S-9           20         -           24         -           26         -           28         -           30         -           32         -</td><td>Zone         Type         Voltage           NC         120V           NC         120V</td><td>Source         Description           Normal         Admin Lights           Normal         Admin Lights           Normal         Kid's Check-In Lig           Normal         Attic Storage Light           Normal         Deck Rope Lights           Normal         Front Ext Wall Lig           Normal         Front Ext Entry Li           Normal         Cross Light           Normal         Left Attic Stairs           Normal         Right Attic Stairs           Normal         Stair Tread Lights           Normal         Spare           Normal         Spare</td><td>ts hts ghts</td></td<>	Description         Child Play Area Lights         Glass Room Lights         N Underseat Stor Light         Middle Underseat Stor         S Underseat Stor Light         Rear Ext Wall Lights         Rear Flood Lights         Baptistry Cross Lights         Prayer Tower Indirect         Prayer Tower Direct         PrayTwr/Attic Walkway         Stained Glass Light         Spare         Spare         Spare         Spare         Spare	Relay         Line Feed           2         E-18           4         E-18           6         E-7           8         E-26           10         E-3           12         E-3           14         E-20           16         S-9           18         S-9           20         -           24         -           26         -           28         -           30         -           32         -	Zone         Type         Voltage           NC         120V	Source         Description           Normal         Admin Lights           Normal         Admin Lights           Normal         Kid's Check-In Lig           Normal         Attic Storage Light           Normal         Deck Rope Lights           Normal         Front Ext Wall Lig           Normal         Front Ext Entry Li           Normal         Cross Light           Normal         Left Attic Stairs           Normal         Right Attic Stairs           Normal         Stair Tread Lights           Normal         Spare           Normal         Spare	ts hts ghts
Enclosure Dimensions: 32.1 NEMA Rating: 1						
	NEL SCHEDULE - LC	P 3				
But XY2         Location: N Under Seat Stor           Part #: nPODMA         Button         Name         Function         Zones Controlled         Color         Line 1           1         BUTTON 1         Ce Mode         LCP 35         White         1           2         BUSTION 2         Cell Mode         LCP 35         White         1	Los 2	2 BUTTON 2	Function Zones Controlled On Mode LCP 3:2 Off Mode LCP 3:2 H SCHEDULE - LV28	Location: Admin Color: Line 1 Line 2 White White		ID: LV35 Part #: +PODMA Button I Name Function Zones Controller BUTTON 1 On Mode LCP 3:16 2 BUTTON 2 Off Mode LCP 3:16
SWITCH SCHEDULE - LV21		D: LV29 Part #: nPODMA2P DX Button Name 1 BUTTON 1	Function Zones Controlled Toggle LCP 3.17 Dimming Dim Ardrect Lights	Location: Prayer Tower  Color Line 1 Line 2  White  White		BUILDE -
Button         Name         Function         Zones         Color         Lins 1           1         BUTTON 1         On Mode         LCP 3.3         White         Lins 1           2         BUTTON 2         Off Mode         LCP 3.3         White         Lins 1	Line 2		Dimmo Binghan Indexe Lunts Torade LL-29-19 Dimming Dim Direct Lights Dimming Binghan Direct Lights H SCHEDULE - LV29	White White White White		Butto Collect         Function         Zones Controlle           1         BUTTON 1         On Mode         LCP 315           2         BUTTON 2         Off Mode         LCP 315   SWITCH SCHEDULE -
ID: LV23 Part #: nPODMA2P         Location: Glass Room NE           Buttor Maria         Function: Zones Controlled         Color         Line 1           1         EUTOV1 1         On Mode 1.C2P 3.3         White         Image: Controlled         Color           3         EUTOV1 2         On Mode 1.C2P 3.3         White         Image: Controlled         Color           4         EUTOV1 4         Of Mode 1.C2P 3.13         White         Image: Controlled         Color	Line 2	D: LV30 Part #: nPODMA DX Buton Name 1 BUTTON 1 2 BUTTON 2 3 BUTTON 3	Function Zones Controlled Toggle LCP 3.21 Dimming Brighten Lights Dimming Dim Lights	Location: Attic Walkway Color Line 1 Line 2 White Whit		ID: LV37 Part #: APDOMA Button Name Function Zones Costolol BUTTON 1. On Mode LCP 3:18 2 BUTTON 2. Off Mode LLCP 3:18
SWITCH SCHEDULE - LV23			H SCHEDULE - LV30			SWITCH SCHEDULE -
Button         Name         Function         Zones Controlled         Cogin         Line 1           1         BUTTON 1         On Mode         LC2 3         When         1         1         1         Line 1         1<	Line 2	2 BUTTON 2	Function Zones Controlled On Mode LCP 323 Off Mode LCP 323 H SCHEDULE - LV31	Location: Attic Walkway (Stained Glass) Color: White White White		ID: LV38 Part #: RPODMA Button         Name         Function         Zones: Controlled           1         BUTTON 1         On Mode         LCP 39         2           2         BUTTON 2         Off Mode         LCP 39           SWITCH SCHEDULE - I
D: LV25         Location: Glass Room SW           Part 6: rPODMA DX         Editor           Button         Name         Function           1         BUTTON 1         Toggie           2         BUTTON 2         Demmining           Brighten Liphts         White	Line 2	D: U/32 Part 8: nPODMA 2P	Function         Zones Controlled           On Mode         LCP 3.6           Off Mode         LCP 3.6           On Mode         LCP 3.1	Location: Right Attic Storage Color Line 1 Line 2 White  White  White  White  White		ID: 1/39 Part #: nPODMA Button Hame Function Zoness Controller 1 BUTTON 1 On Mode LCP 320 2 BUTTON 2 Off Mode LCP 320
SWITCH SCHEDULE - LV25		SWITC	H SCHEDULE - LV32			SWITCH SCHEDULE -
ID: U2 28 Part #: #POMA         Location: Child Play Area           Buttom Version         Function         Zones Controlled         Line 1           1         BUTTON 1         On Mode         LCP 3:1         White           2         BUTTON 2         Off Mode         LCP 3:1         White           SWITCH SCHEDULE - LV 26         SWITCH SCHEDULE - LV 26         Line 1         Line 1	Line 2	ID: LV33 Part#: nPODMA.2P Button 14/1704 2 BUTTO4 1 3 BUTTO4 2 4 BUTTO4 4	Function         Zones Controlled           On Mode         LCP 3.6           Off Mode         LCP 3.16           Off Mode         LCP 3.18           Off Mode         LCP 3.18	Location: Right Attic Stars (Top)  Color Unte 1 Unba White W		Part #: #PODMA           Button         Name         Function         Zoney Controlled           1         ButTON 1         On Mode         LCP 37           2         BUTTON 2         Of Mode         LCP 37           SWITCH SCHEDULE - I
D. 1/37 Part ≠: nPODMA DX Location: Kid's Check-In Part ≠: nPODMA DX            Buttom         Function         Zones Controlled         Color         Line 1           1         BUTTON 1         Toggle         1.02 3.4         White         1           2         BUTTON 2         Dimming         Birghten Lights         White         1           3         BUTTON 3         Dimming         BUTTON 4         Dimming         White         1	Line 2	E: LV34 Part #: #PODMA2P Button Name 1 BUTT091 1 BUTT091 1 BUTT091	H SCHEDULE - LV33	Location: Left Attic Stairs (Top) Cobor Line 1 Line 2 White		ID: LV41 Parts-PODMA Buttom Name 2 BUTTON 1 On Mode LCP 37 0 M Mode LCP 37 SWITCH SCHEDULE - 1
SWITCH SCHEDULE - LV27			OR Mode LCP 316 Off Mode LCP 316	Vitas		$\bigcirc$

## VENT HOOD SYSTEM SHUNT TRIP SCHEMATIC

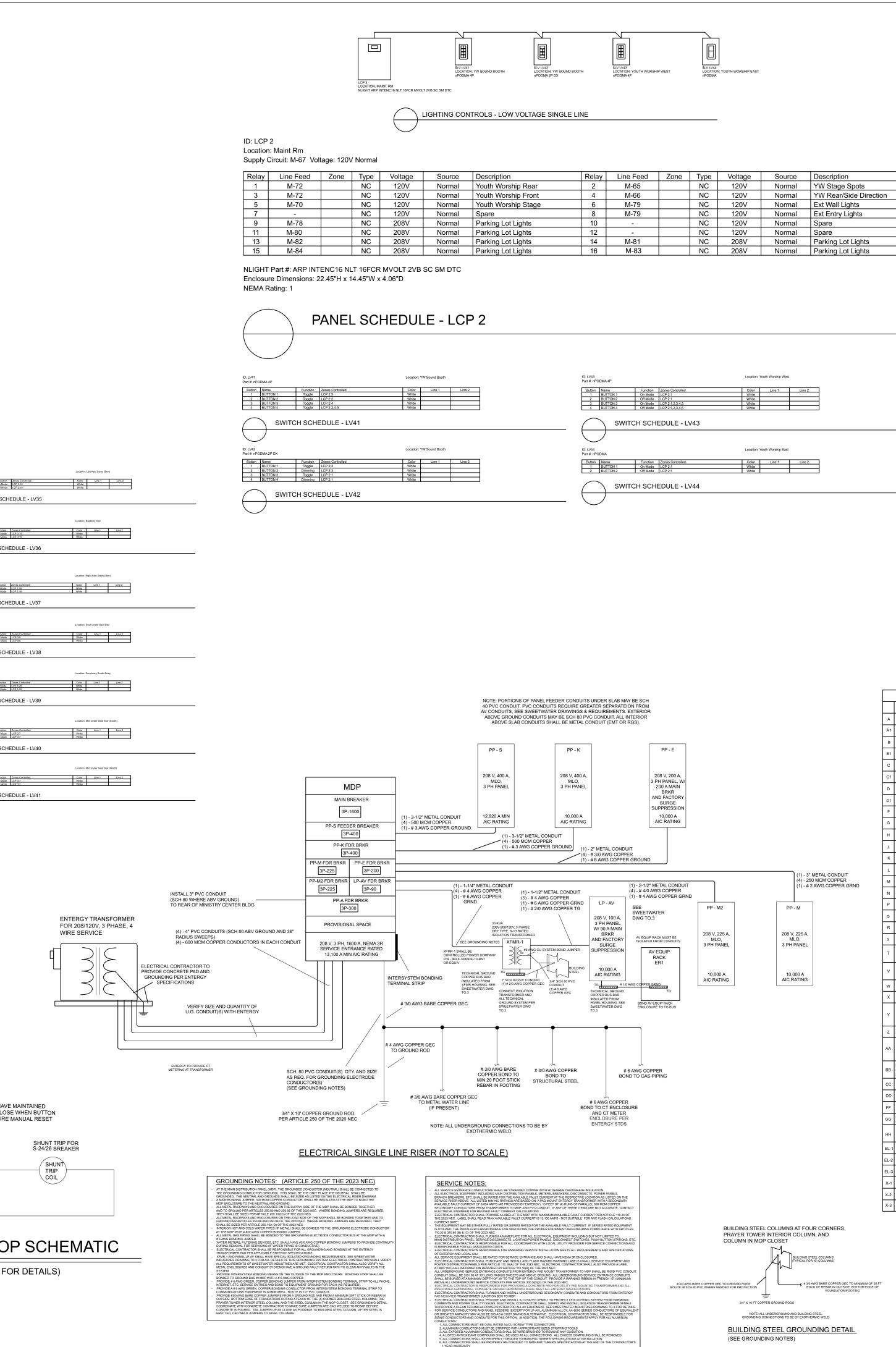


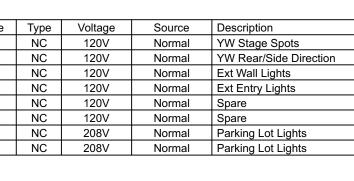


## **BAPTISTRY EMERGENCY STOP SCHEMATIC**

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(SEE ELECTRICAL INSTALLATION NOTE 33 FOR DETAILS)





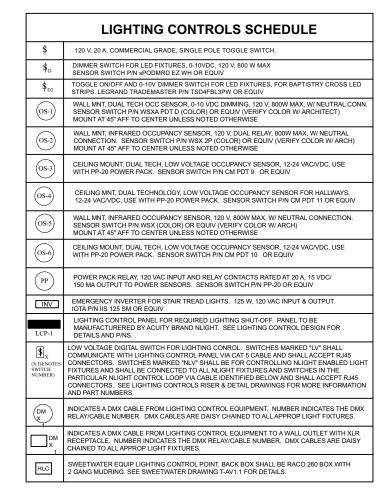
(1) - 3" METAL CONDUIT (4) - 250 MCM COPPER

PP - M

208 V, 225 A, MLO, 3 PH PANEL

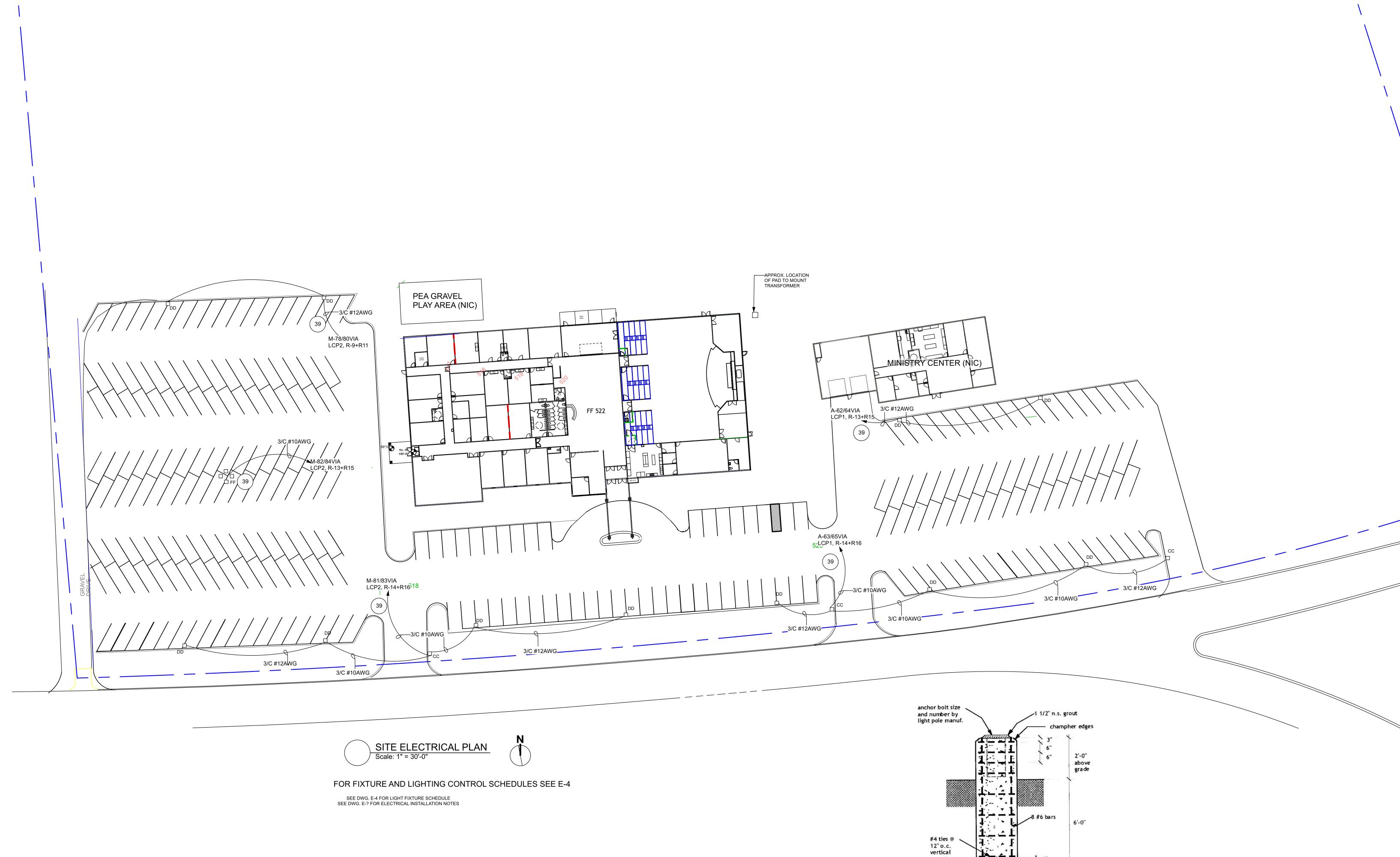
10,000 A AIC RATING

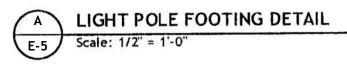
(1) - # 2 AWG COPPER GR



			INPUT	
	MANUFACTURER/MODEL#	DESCRIPTION 2'X4' LED FLAT PANEL, LAY-IN GRID CEILING, 120 V, 6,037 LUMENS, 4000K COLOR	WATT	COMMENTS
A	OR EQUIV	2X4' LED FLAT PANEL, 120 V, 6,037 LUMENS, 4000K COLOR TEMP, IC RATED, 0-10V	43.3	
A1	OR EQUIV WITH DGA24 DRYWALL GRID ADAPTER	DIMMING TO 10%	43.3	IC RATED FIXTURE. MOUNT RECESSED IN DRYWALL
В	LITHONIA P/N - CPX 2X4 5000LM 80CRI 40K SWL MIN10 ZT MVOLT OR EQUIV	2'X4' LED FLAT PANEL, LAY-IN GRID CEILING, 120 V, 5,194 LUMENS, 4000K COLOR TEMP, IC RATED, 0-10V DIMMING TO 10%	39.3	IC RATED FIXTURE
B1	LITHONIA P/N - CPX 2X4 5000LM 80CRI 40K SWL MIN10 ZT MVOLT OR EQUIV WITH DGA24 DRYWALL GRID ADAPTER	2'X4' LED FLAT PANEL, 120 V, 5,194 LUMENS, 4000K COLOR TEMP, IC RATED, 0-10V DIMMING TO 10%	39.3	IC RATED FIXTURE. MOUNT RECESSED IN DRYWALL
С	LITHONIA P/N - CPX 2X2 5000LM 80CRI 40K SWL MIN10 ZT MVOLT OR EQUIV	2'X2' LED FLAT PANEL, LAY-IN GRID CEILING, 120 V, 5,311 LUMENS, 4000K COLOR TEMP, IC RATED, 0-10V DIMMING TO 10%	39.5	IC RATED FIXTURE
C1	LITHONIA P/N - CPX 2X2 5000LM 80CRI 40K SWL MIN10 ZT MVOLT OR EQUIV WITH DGA22 DRYWALL GRID ADAPTER	2'X2' LED FLAT PANEL, 120 V, 5,311 LUMENS, 4000K COLOR TEMP, IC RATED, 0-10V DIMMING TO 10%	39.5	IC RATED FIXTURE. MOUNT RECESSED IN DRYWALL
D	LITHONIA P/N - CPX 2X2 3200LM 80CRI 40K SWL MIN10 ZT MVOLT OR EQUIV	2'X2' LED FLAT PANEL, LAY-IN GRID CEILING, 120 V, 3,767 LUMENS, 4000K COLOR TEMP, IC RATED, 0-10V DIMMING TO 10%	31.0	IC RATED FIXTURE
D1	LITHONIA P/N - CPX 2X2 3200LM 80CRI 40K SWL MIN10 ZT MVOLT	2'X2' LED FLAT PANEL, 120 V, 3,767 LUMENS, 4000K COLOR TEMP, IC RATED, 0-10V	31.0	IC RATED FIXTURE. MOUNT RECESSED IN
F	LITHONIA P/N - CPX 1X4 3200LM 80CRI 40K SWL MIN10 ZT MVOLT	DIMMING TO 10% 1'X4' LED FLAT PANEL, LAY-IN GRID CEILING, 120 V, 3,742 LUMENS, 4000K COLOR	32.0	DRYWALL
G	OR EQUIV LITHONIA P/N - FMVCCLS 24IN MVOLT 30K35K40K 90CRI (FINISH)	TEMP, IC RATED, 0-10V DIMMING TO 10% 2' LED WALL MOUNT, CONTEMPORARY CYLINDER VANITY 120 V, 1850 LUMENS, 4000K	18.2	WALL MOUNT AT 7'-6" AFF. VERIFY HEIGHT
_	OR EQUIV (VERIFY FINISH WITH OWNER) LITHONIA P/N - FMVCCLS 36IN MVOLT 30K35K40K 90CRI (FINISH)	COLOR TEMP 3' LED WALL MOUNT, CONTEMPORARY CYLINDER VANITY 120 V, 2700 LUMENS, 4000K		WITH OWNER. WALL MOUNT AT 7'-6" AFF. VERIFY HEIGHT
н	OR EQUIV (VERIFY FINISH WITH OWNER) LITHONIA P/N - FMVCCLS 48IN MVOLT 30K35K40K 90CRI (FINISH)	COLOR TEMP 4' LED WALL MOUNT, CONTEMPORARY CYLINDER VANITY 120 V, 3550 LUMENS, 4000K	26.4	WITH OWNER.
J	OR EQUIV (VERIFY FINISH WITH OWNER)	COLOR TEMP	34.9	WALL MOUNT AT 7'-6" AFF. VERIFY HEIGHT WITH OWNER. OWNER TO PURCHASE FROM SWEETWATER. EC
к	FUZE PENDANT LED LIGHT FIXTURE FROM SWEETWATER. (OWNER TO PURCHASE) SEE SWEETWATER DRAWINGS.	ROUND PENDANT CYLINDER LED, 120 V, 11,000 LUMEN OUTPUT, ADJUSTABLE COLOR TEMP.	230.0	TO INSTALL PER SWEETWATER DWGS
L	GOTHAM P/N - EVO6PC 40/60 AR LSS MWD MVOLT EZ10 JBX PCAN (STEM LENGTH) DBL OR EQUIV	ROUND PENDANT STEM CYLINDER LED, 120 V, 6,371 LUMEN OUTPUT, 0-10VDC DIMMING, 4000K COLOR TEMP. ELECT CONTR TO SPECIFY STEM LENGTHS.	57.6	HANG FIXTURES AT SAME HEIGHT AS "K" FIXTURES IN GATHERING AREA.
м	GOTHAM P/N - EVO6PC 40/20 AR LSS WD MVOLT EZ10 JBX PCAN (STEM LENGTH) DBL OR EQUIV	ROUND PENDANT STEM CYLINDER LED, 120 V, 2,006 LUMEN OUTPUT, 0-10VDC DIMMING, 4000K COLOR TEMP. ELECT CONTR TO SPECIFY STEM LENGTHS.	19.7	HANG FIXTURES AT 7'6" ABOVE RAISED WALKWAY.
N	LITHONIA P/N - VCVLX LED V4 P5 40K 80 CRI T5W MVOLT HC5 DBLXD OR EQUIV	LED LOW BAY, VERSATILE LIGHT, 120 V, 10,634 LUMEN OUTPUT, 4000K COLOR TEMP, 0-10VDC DIM TO 10% W/ MALE HOOK & 5' BLACK CORD. FIXTURE COLOR TO BE BLACK	82.0	MOUNT AS HIGH AS POSSIBLE
Р	LITHONIA P/N - CSS L96 8000LM MVOLT 40K 80CRI OR EQUIV WITH ZACVH AIRCRAFT CABLE HANGER	8' LED STRIP LIGHT, 120 V, 8596 LUMENS, 4000K COLOR TEMP	72.0	
Q	LITHONIA P/N - CSS L48 4000LM MVOLT 40K 80CRI OR EQUIV WITH ZACVH AIRCRAFT CABLE HANGER	4' LED STRIP LIGHT, 120 V, 4298 LUMENS, 4000K COLOR TEMP	35.3	
R		2' LED STRIP LIGHT, 120 V, 2144 LUMENS, 4000K COLOR TEMP	15.3	
s	GOTHAM P/N - EVO2STRC 40/20 (REFLECTOR COLOR) LSS WD	ROUND CYLINDER LED EXTERIOR DOWNLIGHT, 120 V, 2094 LUMEN OUTPUT, 4000K	31.7	OWNER TO SPEC FINISH/COLOR. MOUNT TO BTM
	MVOLT UGZ SGBCC (CYLINDER COLOR) OR EQUIV GOTHAM P/N - ICO4UDWC 40/25 AR LD 30D SHLD (COLOR)	COLOR TEMP, DAMP LOC RATED ROUND LED EXTERIOR UP/DOWN LIGHT, 120 V, 2419 LUMEN UP & DOWN, 4000K		OF WOOD BEAMS AT COVERED ENTRIES. OWNER TO SPEC FINISH/COLOR. MOUNT ON EXT
Т	U25LM U30D USHLD (COLOR) MVOLT GZ10 JBX WL (COLOR) OE	COLOR TEMP, 30 DEG BEAM ANGLE UP & DOWN, WET LOC RATED	53.0	WALL AT HEIGHTS OF 6'-0" AND 8'-0" AFG TO BOTTOM OF FIXTURE, AS LISTED ON DRAWING.
v	LITHONIA P/N - HGX LED 3RH ALO SWW2 120 PE (COLOR) OR EQUIV	WALL MOUNT LED TRIPLE FLOOD LIGHT, 120 V, ADJUSTABLE OUTPUT UP TO 4,100 LUMENS, SELECTABLE COLOR TEMP, WET LOC RATED.	36.0	OWNER TO SPEC COLOR. MOUNT ON BACK WAL NEAR CORNERS AT 9'-0" ABOVE GRADE. SET FOR HIGH OUTPUT AND 40000K COLOR TEMP.
w	BLIZZARD LIGHTING P/N - LB PAR HEX EXISTING FIXTURE TO BE MOVED	EXISTING ROUND LED SPOT LIGHT MOUNTED TO A BAR TO BE MOVED FROM EXISTING YOUTH WORSHIP CENTER, 120VAC	106.0	VERIFY EXACT LOC & MNTG HEIGHT. SUPPLY ALL NEEDED POWER & CONTROL CABLES.
x	BLIZZARD LIGHTING P/N - HOTSTICK EXA EXISTING FIXTURE TO BE MOVED	EXISTING RECTANGLE LED DIRECTIONAL LIGHT TO BE MOVED FROM EXISTING YOUTH WORSHIP CENTER, 120VAC	163.2	VERIFY EXACT LOC & MNTG HEIGHT. SUPPLY ALL NEEDED POWER & CONTROL CABLES.
Y	LEDSCAPE LIGHTING P/N- (LENGTH)-FLEX-T-C-HP-40-65/SI26(CLR WITH P/N - PS-24-O-D3-150-U DRIVERS (1 PER SECTION) ELECT CONTR TO SUPPLY (3) NPP16-EFP NLIGHT POWER RELAYS.	LED IN-DIRECT STAIR LIGHT, 24 VDC, 300 LM/FT, 4000K COLOR TEMP, IP65 RATED. 24 VDC POWER SUPPLY TO BE 150 W & 120VAC INPUT. POWER SUPPLY TO BE FED FROM EMERGENCY INVERTER. MOUNT POWER SUPPLY AND INVERTER IN STORAGE AREA UNDERNEATH STAIRS.	2.2/FT	MOUNT LED STAIR TREAD LIGHTS ON TOP OF STAIR TREADS. USE NLIGHT PP-16 POWER PACK FOR NLIGHT CONTROL.
z	GOTHAM P/N - ICO4WC 40/25 AR LD 30D MVOLT GZ10 JBX DN WL (COLOR) OR EQUIV	ROUND LED EXTERIOR DOWN LIGHT, 120 V, 2419 LUMEN DOWN, 4000K COLOR TEMP, 30 DEG BEAM ANGLE DOWN, WET LOC RATED	26.5	OWNER TO SPEC FINISH/COLOR. MOUNT ON EXT WALL AT 6'-0" AFG TO BOTTOM OF FIXTURE.
	LEDSCAPE LIGHTING P/N - (LENGTH)-FLEX-S-N-40-BC WITH P/N - PS-24-O-D3-100-U DRIVERS (1 PER 32 FT LENGTH). EACH	LED STRIP LIGHT, 24 VDC, 110 LM/FT, 4000K COLOR TEMP, IP68 RATED, FLEXIBLE		MOUNT LED STRIP LIGHT UNDER DECK TOP
AA	DRIVER TO BE ORDERED WITH P/NS- M12-M & M12-F WATER- PROOF CONNECTORS	SIDE TO SIDE, WITH BENDABLE SST MOUNTING CHANNEL. POWER SUPPLY TO BE 120 VAC INPUT, CLASS 2, AND IP65 RATED.	3.0/FT	RAIL. MOUNT POWER SUPPLIES UNDERNEATH DECK.
вв	BARTCO LIGHTING P/N - GRM30-336 (28FT)-40-ES-2-R-H-2-B-C8- (FINISH) OR EQUIV. ELECT CONTR TO SUPPLY (2) NPP16-D-EFP NLIGHT POWER/DIMMING RELAYS.	DIRECT/INDIRECT LINEAR LED PENDANT, 120 V, 2212 LUMEN INDIRECT & 2460 LUMEN DIRECT, 4000K COLOR TEMP, 0-10 V DIMMING, WITH TWO CIRCUITS FOR SEPARATE CONTROL OF DIRECT & INDIRECT LIGHTING. ORDERED AS 28 FEET RUN.	330.4 TOTAL	OWNER TO SPEC FINISH. USE (2) NLIGHT PP-16 POWER PACK FOR NLIGHT CONTROL OF DIRECT AND INDIRECT LIGHTS.
СС	LITHONIA P/N - DSX0 LED P4 40K 80CRI T4M HS MVOLT SPA (FINISH) W/ SSS 20 5C DM19AS (FINISH) BC POLE OR EQUIV	POLE MOUNT SINGLE LED AREA LIGHT, 120/277 V, 8916 LUMENS, 4000K COLOR TEMP, WET LOC RATED. WITH HOUSE SIDE SHIELD	93.1	OWNER TO SPEC FINISH.
DD	LITUONIA BINI, DOVOLED DZ 40K 2000DI DLO4 MIVOLT ODA (EINIQUI)	POLE MOUNT SINGLE LED AREA LIGHT, 120/277 V, 38,660 LUMENS, 4000K COLOR TEMP, WET LOC RATED, WITH BACKLIGHT CONTROL	414.0	OWNER TO SPEC FINISH.
FF	LITHONIA P/N - QTY (4) DSX2 LED P7 40K 80CRI T5W MVOLT SPA	POLE MOUNT QUAD LED AREA LIGHT, 120/277 V, 50,104 LUMENS (EACH FIXTURE),	1656.0 TOTAL	OWNER TO SPEC FINISH.
GG	(FINISH) W/ SSS 30 5G DM49AS (FINISH) BC POLE OR EQUIV LITHONIA P/N - WDGE4 LED P6 80CRI R4 MVOLT (FINISH)	4000K COLOR TEMP, WET LOC RATED WALL MOUNT LED AREA LIGHT, 120/277 V, 25,863 LUMENS, 4000K COLOR	185.3	OWNER TO SPEC FINISH. MOUNT AS HIGH AS
		TEMP, WET LOC RATED. ELECT CONTRACTOR TO CHOOSE MNTG OPTION.	100.0	POSSIBLE ON WALL. MOUNT LED STRIP LIGHT TO BACK OF CROSS
нн	MICL (END ENTRY) W/ F/N - DI-ODA-24 VOUV-3 DRIVER OR EQUIV	LED STRIP LIGHT, 24 VDC, 422 LM/FT, 4000K COLOR TEMP, UL 676 LISTED FOR POOLS, FLEXIBLE TOP TO BOTTOM, 0-10V DIMMING.	4.6/FT	LIKE EXISTING CROSS ROPE LIGHT. ELECT CONTRACT TO VERIFY LENGTH.
EL-	1 LITHONIA P/N - ELM2 LED SD OR EQUIV	CEILING/WALL MNT, LED EMERGENCY LIGHT, 3.6 V, (2) 1.5 W LAMPS, W/ SELF DIAGS WALL MNT, LED EMERGENCY LIGHT, FORWARD THROW, WET LOC, 6 V, (2) 5.4 W	1.5	
EL-	2 LITHONIA P/N - AFN (FINISH) EXT FWD OR EQUIV	LAMPS, W/ SELF DIAGS	21.0	VERIFY FINISH AND MOUNTING HEIGHT
EL-	3 LITHONIA P/N - ELM4L (COLOR) UVOLT LTP SDRT OR EQUIV	CEILING/WALL MNT, LED EMERGENCY LIGHT, 9.6 V, (2) 3.3 W LAMPS, W/ SELF DIAGS	2.78	
X-*	1 LITHONIA P/N - LHQM LED R SD OR EQUIV	CEILING/WALL MNT, LED EMERGENCY EXIT COMBO LIGHT, DOUBLE SIDED, RED, 9.6 V, WITH (2) 1.5 W LAMPS, W/ SELF DIAGS	4.3	
X-2	2 LITHONIA P/N - LQM S W 3 R MVOLT EL N SD OR EQUIV	CEILING/WALL MNT, LED EMERGENCY EXIT LIGHT, DOUBLE SIDED, RED, 1.2 V W/ SELF DIAGS	1.0	
X-3	3 ISOLITE P/N - PH-R-1-(COLOR)-MTEB -VR1 OR EQUIV	PHOTOLUMINESCENT EXIT SIGN WITH RED LETTERS AND VANDAL RESISTANT SHIELD	0.0	MNT BTM OF SIGN 12" AFF. VERIFY COLOR WITH OWNER.

BUILDING STEEL COLUMNS AT FOUR CORNERS, PRAYER TOWER INTERIOR COLUMN, AND COLUMN IN MOP CLOSET						
BUILDING STEEL COLUMNS (TYPICAL FOR (6) COLUMNS)	ANDY SHERRILL, P.E.		F	FIRST BAPTIST	CHURCH	
C TO GROLIND RODS	DRAWN BY ZFM		E	BATESVILLE, AR	KANSAS	
STICK OF REBAR IN OUTSIDE, BOTTOM EDGE OF FOUNDATION/FOOTING	CHECKED BY NFM	TITLE		HTING CONTRO	,	
NOTE: ALL UNDERGROUND AND BUILDING STEEL GROUNDING CONNECTIONS TO BE BY EXOTHERMIC WELD	APPROVED BY	1		CTRICAL RISE		
BUILDING STEEL GROUNDING DETAIL (SEE GROUNDING NOTES)	OTHER APPROVALS	SIZE	CAGE CODE	DRAWING NUMBER	E-4	REV
	CAD FILE NAME FBC FINAL WORKING DWGSvwx	SCALE	AS NOTED ES	T. WGT	SHEET E-4 O	l )F



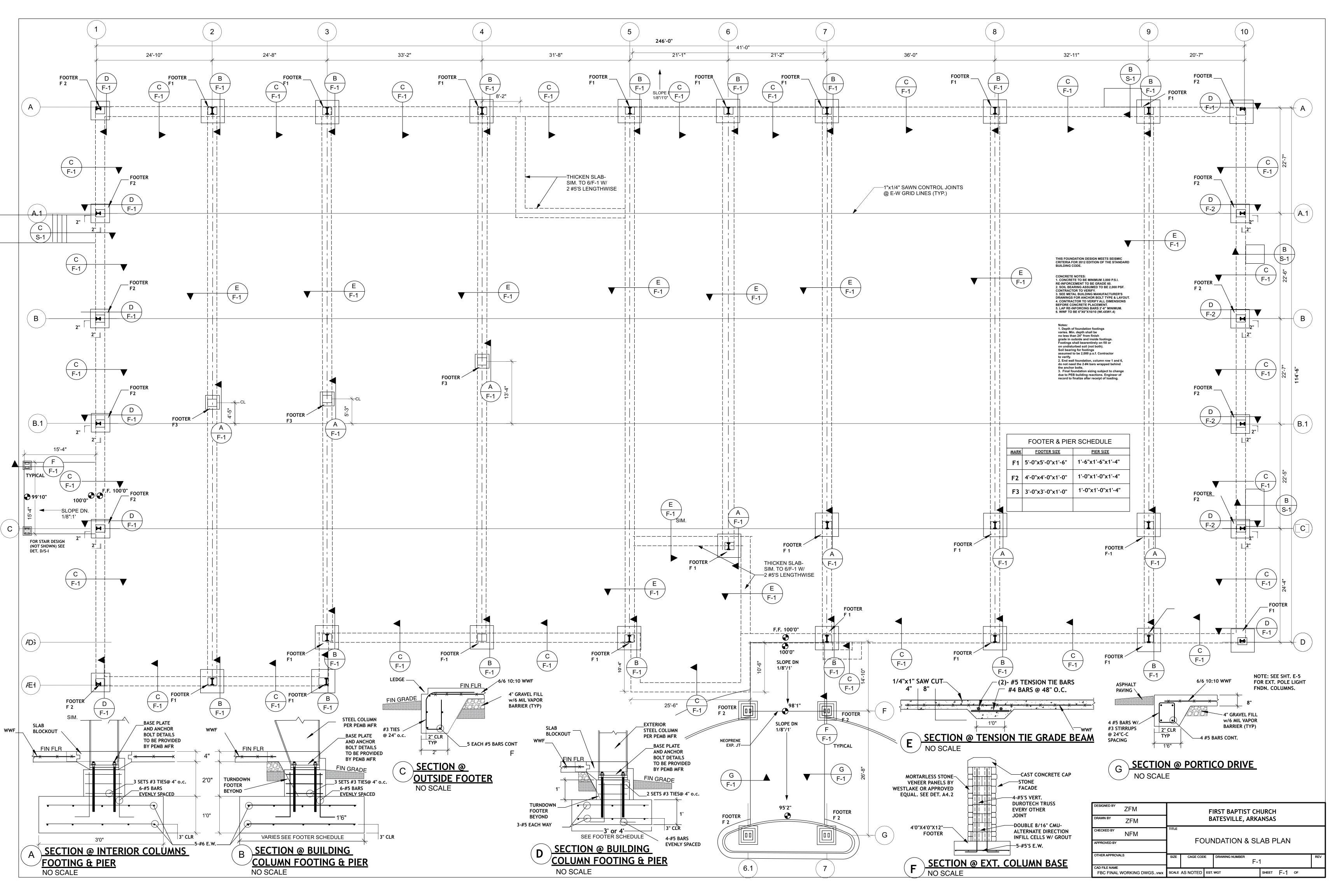


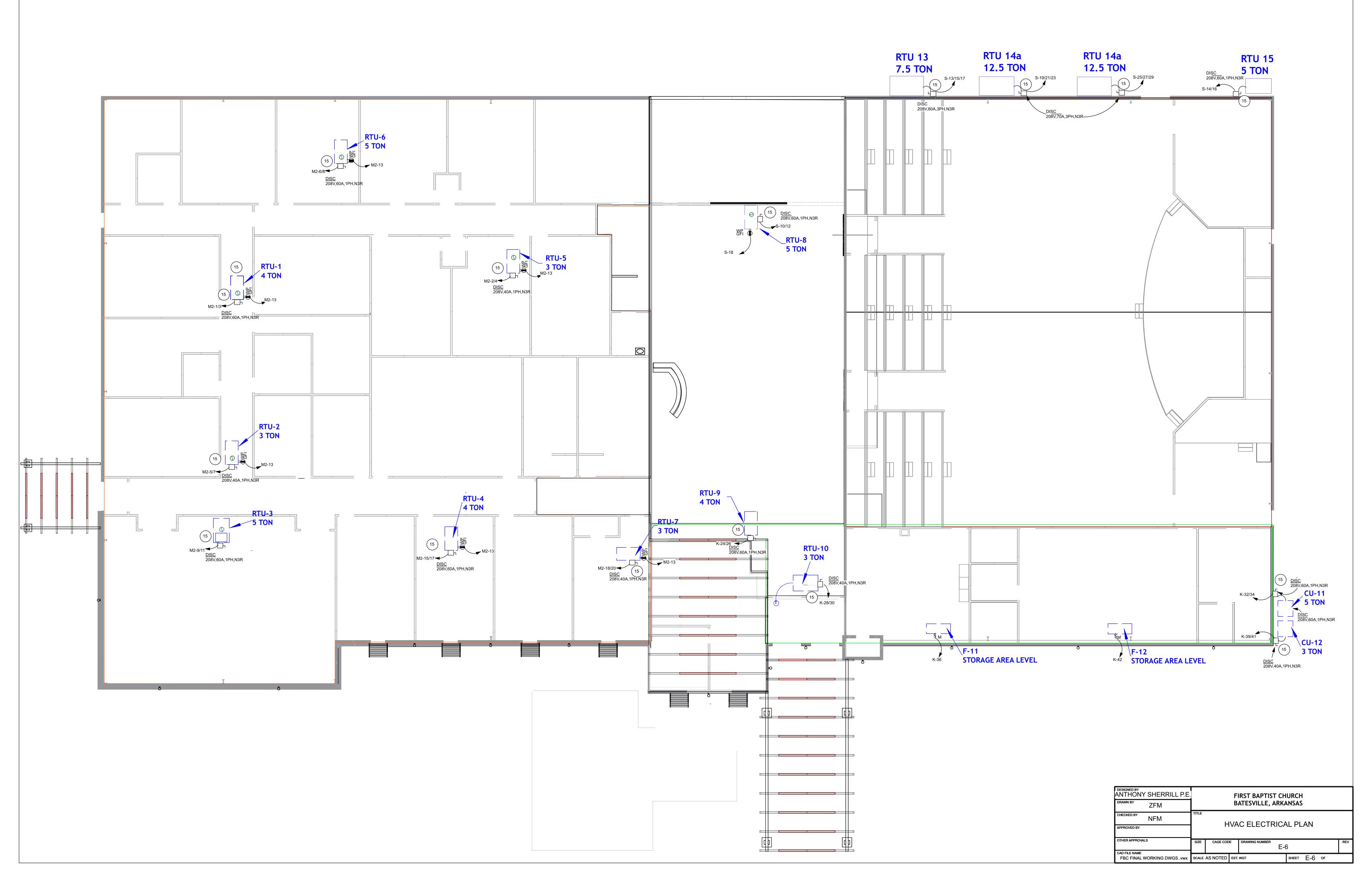
spaceing

3"

			F	IRST BAPTIST CH	URCH		
DRAWN BY ZFM			B	ATESVILLE, ARKA	NSAS		
CHECKED BY NFM	TITLE						
APPROVED BY		511	F	ELECTRICAL	PLAN		
OTHER APPROVALS	SIZE	CAGE COD	E		5		REV
CAD FILE NAME FBC FINAL WORKING DWGSvwx	SCALE	1"=30'	EST.	WGT	SHEET	OF	

0





## **ELECTRICAL INSTALLATION NOTES**

ALL ELECTRICAL WORK MUST MEET ALL NATIONAL, STATE, AND LOCAL CODES. ELECTRICAL CONTRACTOR SHALL VERIFY ALL LOCAL CODE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (AHJ) ARE MET BEFORE SUBMITTING BID. IF ADDITIONAL ITEMS ARE REQUIRED, THESE ITEMS SHALL BE INCLUDED IN BID.

2. ALL CONDUCTORS SHALL BE TYPE THHN/THWN (ABOVE/BELOW GROUND) COPPER

ALL WIRING TO BE IN CONDUIT. PVC WILL BE ALLOWED UNDER SLAB ONLY. FLEX CONDUIT SHALL NOT BE INSTALLED IN VISABLE AREAS EXCEPT AS REQUIRED FOR EQUIPMENT HOOK-UPS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED PER ARTICLE 310.15 OF THE 2023 NEC. THE 75 DEG C COLUMN OF TABLE 310.16 SHALL BE USED. ALSO SIZE CONDUCTORS FOR A MAXIMUM OF 3% VOLTAGE DROP FOR INSTALLED CONDUCTOR LENGTH. IF MORE THAN 3 CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A CONDUIT, CONTRACTOR MUST SIZE CONDUCTOR AFTER DE-RATING CONDUCTOR AMPACITY PER ARTICLE 310.15(C)(1) OF THE 2023 NEC.

EACH BRANCH CIRCUIT SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR SIZED PER ARTICLE 250.122 OF THE 2023 NEC. ALL WALL BOXES TO BE METAL BOXES WITH APPROVED FITTINGS FOR CONNECTION TO CONDUIT. COVERS SHALL COMPLETELY HIDE ALL CUTOUTS. UNLESS OTHERWISE SPECIFIED, MOUNT OUTLET BOX AT:

SWITCH – 45" TO CENTER OF BOX Α.

RECEPTACLE AND TELEPHONE – 18" TO CENTER OF BOX

LOCATIONS FOR DEVICES INDICATED ON DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES. DO NOT SCALE DRAWING FOR EXACT LOCATIONS. VERIFY EXACT LOCATIONS WITH GENERAL CONTRACTOR 8. ALL OUTLETS FOR LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF GRID TYPE CEILING SYSTEMS (WHERE APPLICABLE) USING <sup>1</sup>/<sub>4</sub>" ALL THREAD ROD. ALL LIGHTING AND POWER PANELS TO RECEIVE A TYPED LAMINATED LABEL AT END OF JOB. ELECTRICAL CONTRACTOR SHALL LIST SPECIFIC AREAS SERVED BY LIGHTING AND RECEPTACLE CIRCUITS. ALL PANELS SHALL ALSO BE LABELED INDICATING THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES. ALL PANELS SHALL HAVE PAINTABLE, LOCKABLE FRONT COVERS.

10. EMERGENCY LIGHTS SHALL BE ON SAME CIRCUIT AS ROOM LIGHTING, AHEAD OF LIGHT SWITCH.

11. ALL NON-IC RATED FIXTURES SHALL BE INSTALLED PER ARTICLE 410.116 (A) & (B) OF THE 2023 NEC.

ADJUST EXACT LOCATIONS OF LIGHT FIXTURES, IF NECESSARY, TO AVOID HVAC DUCT, GRILLES, ETC. COORDINATE WITH HVAC CONTRACTOR TO MAKE SURE LIGHTS CAN BE INSTALLED IN SIMILAR PATTERN AS INDICATED ON DRAWINGS. 12. ALL GENERAL PURPOSE 120 V RECEPTACLES TO BE RATED AT 20 AMPS. ALL RECEPTACLES MOUNTED WITHIN 6' OF ANY SINK SHALL BE GROUND FAULT RECEPTACLES, EVEN IF NOT SHOWN AS SUCH ON DRAWING. RECEPTACLES INSTALLED IN WET LOCATIONS SHALL BE A LISTED WEATHER-RESISTANT TYPE AND SHALL HAVE A WEATHERPROOF COVER COMPLING WITH ARTICLE 406.9(B) OF THE 2023 NEC.

15.

EQUIPMENT/APPLIANCES (HVAC, FANS, COOKING, ETC.): A. VERIFY LOCATION AND METHOD OF CONNECTION TO ALL EQUIPMENT WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. FOR ALL ELECTRICAL AND HVAC EQUIPMENT/APPLIANCES, ELECTRICAL CONTRACTOR MUST VERIFY ALL BREAKERS, DISCONNECTS, RECEPTACLES, ETC. MEET MANUFACTURER'S REQUIREMENTS FOR PROPER PHASE, VOLTAGE, CURRENT, AND MAXIMUM OVERCURRENT PROTECTION RATINGS OF ACTUAL PURCHASED EQUIPMENT. ALL BREAKERS FEEDING HVAC OR REFRIGERATION EQUIPMENT SHALL BE "HACR" BREAKERS.

- DISCONNECTS SHALL BE SOLIDLY MOUNTED TO NEARBY WALL OR OTHER SUITABLE STRUCTURE NEAR EQUIPMENT.
- ALL EQUIPMENT/APPLIANCES MUST BE CAPABLE OF OPERATING ON EITHER SINGLE PHASE 120 V OR 208 V, OR ON THREE PHASE 208V.

FOR ALL MECHANICAL EQUIPMENT, FURNISH AND INSTALL BOXES, RACEWAY, AND CABLE FOR POWER AND CONTROLS. VERIFY REQUIRED LOCATIONS WITH MECHANICAL CONTRACTOR. See the mechanical drawings for the locations and electrical characteristics of the hvac equipment. G.

KITCHEN VENT HOOD WIRING: 16.

A. VENT HOOD FIRE PROTECTION SYSTEM SHALL BE DESIGNED BY QUALIFIED OTHERS. SYSTEM SHALL BE U.L. LISTED AND LABELED AS PROTECTION FOR COMMERCIAL COOKING OPERATIONS. SYSTEM SHALL COMPLY W/ SECTION 904 OF THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE AND LATEST EDITION OF NFPA 96.

B. SUPPLIED SYSTEM SHALL PROVIDE A 120 VAC CONTACT TO BE USED TO ENERGIZE THE SHUNT TRIPS FOR THE BREAKERS FEEDING THE HEATED HOLDING CABINET, THE TWO GAS CONVECTION OVENS, HOOD LIGHTS, AND ANY ADDED EQUIPMENT UNDER HOOD. THE HOOD CONTROLS SHALL SHUTDOWN THE SUPPLY FAN AND THE GAS VALVE WHEN AN ALARM OCCURS. SEE VENT HOOD SHUNT TRIP SCHEMATIC ON DWG. ???. VENT HOOD DESIGNER/INSTALLER SHALL VERIFY PROVIDED SHUNT TRIP CONTACTS OPERATE SHUNT TRIPS PROPERLY AND MEETS ALL APPLICABLE CODES. C. ELECTTRICAL CONTRACTORS SHALL PROVIDE ALL RACEWAYS, POWER AND CONTROL WIRING, FIRE ALARM SYSTEM INTERCONNECT WIRING, AND ANY OTHER WIRING AS REQUIRED FOR KITCHEN VENT HOOD. SEE KITCHEN VENT HOOD MANUFACTURER'S DRAWINGS FOR DETAILS AND SPECIFICS.

- D. COORDINATE ALL LOCATIONS AND INSTALLATIONS WITH HOOD SUPPLIER.
- 17. VERIFY EXACT MOUNTING HEIGHT AND LOCATION FOR ELECTRIC DRINKING FOUNTAIN RECEPTACLE WITH OWNER PRIOR TO ROUGH-IN.

18. ELECTRICAL CONTRACTOR SHALL PROVIDE AND MOUNT A UL LISTED HEAVY DUTY POWER STRIP THAT HAS A MINIMUM OF TWELVE (12) 15 AMP RECEPTACLES ABOVE THE WORK BENCH/TABLE. 19. ALL LIGHT FIXTURES WITH 0-10 VDC DIMMING MUST HAVE A DC CONDUIT WITH DC WIRING FROM DIMMER TO LIGHT FIXTURES ALONG WITH THE NORMAL AC CONDUIT/WIRING. AS AN ALTERNATE, MC LUMINARY CABLE (TYPE MC-PCS) MAY BE USED. SEE DIMMER SWITCH AND LIGHT FIXTURES MANUFACTURER'S INSTALLATION WIRING DIAGRAMS FOR DETAILS. POWER WIRING SHALL ROUTE FROM POWER PANEL OR FROM LIGHTING CONTROL PANEL TO DIMMER. THEN POWER/CONTROL WIRING SHALL ROUTE FROM DIMMER TO LIGHTS. 20. IN YOUTH WORSHIP AREA, PROVIDE (2) 1" PVC CONDUITS UNDER SLAB FROM LIGHTING AND A/V CONTROL BOOTH TO WALL BEHIND STAGE. TERMINATE CONDUITS IN WALLS WITH 4"X4" BOXES. PROVIDE (2) 1" PVC CONDUITS UNDER SLAB FROM LIGHTING AND A/V CONTROL BOOTH TO WALL BEHIND STAGE. TERMINATE CONDUITS IN WALLS WITH 4"X4" BOXES. PROVIDE (2) 1" PVC CONDUITS UNDER SLAB FROM LIGHTING AND A/V CONTROL BOOTH TO WALL BEHIND STAGE. TERMINATE CONDUITS IN WALLS WITH 4"X4" BOXES. PROVIDE (2) 1" PVC CONDUITS UNDER SLAB FROM LIGHTING CONTROL CABLES. ALSO PROVIDE (2) 1" PVC CONDUITS IN WALLS WITH 4"X4" BOXES. PROVIDE (2) 1" PVC CONDUITS IN PVC CONDUITS IN WALL FROM CONTROL BOOTH AREA TO CEILING AREA FOR OVERHEAD CABLES. PROVIDE 4"X4" BOX AT CONTROL BOOTH. VERIFY WITH OWNER THE LOCATION CONDUIT SHOULD EXIT WALL TO CEILING SPACE. VERIFY METHOD OF EXITING WALL. PROVIDE AND ISNTALL ALL NECESSARY SOUND AND

DMX LIGHTING CONTROL CABLES FROM CONTROL BOOTH EQUIPMENT TO LIGHTS AND SOUND SYSTEM.

21. ELECTRICAL CONTRACTOR SHALL PROVIDE LIGHTING CONTROL PANEL (LCP-1) AND ALL ASSOCIATED DIGITAL CONTROL SWITCHES TO PROVIDE LIGHTING SHUT-OFF REQUIRED BY ARKANSAS ENERGY CODE. ALL MANUFACTURER'S INSTALLATION REQUIREMENTS AND SPECIFICATIONS SHALL BE MET. ELECTRICAL CONTRACTOR SHALL WORK WITH ACUITY BRAND NLIGHT OR MANUFACTURER'S AUTHORIZED REPRESENTATIVE TO PROVIDE A COMPLETE INSTALLED AND PROGRAMMED SYSTEM. SEE LIGHTING CONTROL PANEL SINGLE LINE DRAWINGS, ASSOCIATED SCHEDULES, AND DIVISION 16 SPECIFICATIONS FOR MORE DETAILS.

22. ALL LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCHES SHALL BE CONNECTED TO THE NLIGHT (OR EQUIVALENT) CONTROL PANEL IN DAISY-CHAIN FASHION WITH CAT-5E CABLE AND RJ-45 CONNECTORS. ALL CAT-5E CABLE IN WALLS SHALL BE INSTALLED IN LOW VOLTAGE CONDUIT, SEPARATE FROM ALL AC WIRING. ABOVE DROP CEILING SPACE NEAR PURLINS, CAT-5E CABLES MAY BE INSTALLED, SUPPORTED, AND SECURED USING CONDUIT OR USING CADDY RINGS, "J" HOOKS, OR EQUIVALENT CABLE MANAGEMENT SYSTEM. CABLE MANAGEMENT SYSTEM. CABLE MANAGEMENT SYSTEM. PENTETRATING FIRE WALLS, USE CONDUIT AND APPROPRIATE FIRESEAL AS REQUIRED. ALL MANUFACTURER'S INSTALLATION REQUIREMENTS AND SPECIFICATIONS SHALL BE MET. ROUTE CABLES TO AVOID ALL ELECTRICAL AND HVAC EQUIPMENT AND CONDUITS. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL BUS BOOSTER(S) WITH 120 VAC POWER AS REQUIRED BY MANUFACTURER BASED ON THE NUMBER OF SWITCHES AND INSTALLED CABLE LENGTH. SEE LCP-1 SINGLE LINE DIAGRAM FOR DETAILS 23. PROVIDE 1" PVC CONDUITS UNDER SLAB FROM YOUTH WORSHIP TV DEVICE OUTLET TO BOX BEHIND SOUND BOOTH FOR BOTH TV LOCATIONS. PROVIDE HDMI CABLE FROM TV LOCATION TO BOX BEHIND SOUND BOOTH. VALL PLATES AT BOTH ENDS. AT SOUND BOOTH, WALL PLATE SHALL

HAVE CONNECTIONS FOR BOTH HDMI CABLES.

24. IN GLASS ROOM, PROVIDE TV DEVICE OUTLET BOX AT 108" AT LOCATION OF TV. INSTALL SECOND TV DEVICE OUTLET BOX AT STANDARD HEIGHT AND CONNECT BOXES WITH 1" CONDUIT. PROVIDE HDMI CABLE FROM TV LOCATION BOX TO LOWER BOX. PROVIDE HDMI WALL PLATES AT BOTH BOXES. PROVIDE 1" PVC CONDUIT WITH LONG RADIUS ELBOWS UNDERSLAB FROM SERVICE ENTRY TO UNDERNEATH STAIRS FOR FIBER OPTIC CABLE FOR MAIN INTERNET CONNECTION CABLE FROM RITTER COMMUNICATIONS. ROUTE CABLE TO WALL BOX AS NECESSARY FOR COMMUNICATIONS EQUIPMENT. 25. RITTER COMMUNICATIONS TO PROVIDE APPROPRIATE WALL BOX. PROVIDE #6 AWG SOLID COPPER GROUND FROM MDP INTERSYSTEM BONDING TERMINAL IN 1/2" PVC CONDUIT WITH LONG RADIUS ELBOWS UNDER SLAB. ALSO INSTALL 1" PVC CONDUI UNDER STAIRS TO BACK OF MINISTRY BUILIDING FOR FUTURE CONNECTION TO MINISTRY BUILDING.

PROVIDE POWER CONTROLLED FROM LIGHTING CONTROLS IN STORAGE UNDERNEATH STAIRS TO SUPPLY POWER TO STAIR TREAD LOW VOLTAGE LIGHTS. MOUNT LIGHTS ON STAIR TREADS AND ROUTE LV CABLES TO DRIVER UNDERNEATH STAIRS. PROVIDE MULTIPLE DRIVERS IF NECESSARY. 26. 27. PENDANT RECEPTS SHALL HANG TO A LEVEL JUST ABOVE SHELF. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL A CEILING GRID MOUNTED 4" X4" SQUARE BOX WITH APPROPRIATE MUD RING. SUPPLY METAL COVER WITH CORD GRIP AND WIRE MESH STRAIN RELIEF GRIP TO SUPPORT CORD AND PENDANT RECEPT. ELECTRICAL CONTRACTOR SHALL PROVIDE A #12 AWG. 3 CONDUCTOR SOO EXTRA HARD USAGE CORD FOR PENDANT RECEPT. ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE LEVITON P/N 3059-0(CABLE SIZE) PENDANT BOX WITH P/N 3060 COVER AND WIRE MESH STRAIN RELIEF GRIP. INSTALL GFCI **RECEPT IN PENDANT BOX.** 

28. PROVIDE 4"X4" JUNCTION BOX AND APPROPRIATE DOUBLE GANG MUD RING IN WALL FOR FEED TO DISHWASHER. MOUNT JUNCTION BOX APROX. 80" AFF (VERIFY WITH DISHWASHER INSTALLATION INSTRUCTIONS). USE 1-1/4" FLEX CONDUIT TO ROUTE FROM JUNCTION BOX TO DISHWASHER. 29. ELECTRICAL CONTRACTOR SHALL INSTALL OWNER'S EXISTING LIGHT BARS FOR SPOT LIGHTS IN YOUTH WORSHIP AREA AND INSTALL POWER AND DMX CABLES FROM CONTROL PANEL AT REAR OF ROOM TO ALL FIXTURES. THERE WILL BE A TOTAL OF (3) DMX CABLE RUNS FROM CONTROL PANEL TO GROUPS OF FIXTURES. THE WALL BEHIND THE STAGE SHALL HAVE A DMX CABLE ROUTED TO THE OVERHEAD LIGHTS. THERE SHALL BE A WALL OUTLET MOUNTED NEAR THE UPPER LIGHTS ON THE OPPOSITE END OF THE HOME RUN CABLE. THIS OUTLET SHALL HAVE A DMX CABLE INSIDE THE WALL DOWN TO A WALL OUTLET MOUNTED 6" ABOVE THE STAGE. THE WALL OUTLETS SHALL BE THE PROPER XLR CONNECTION (MALE/FEMALE) TO ALLOW A CABLE FROM THE LAST UPPER LIGHT TO CONNECT TO THE UPPER WALL OUTLET. THE LOWER OUTLET SHALL HAVE THE PROPER XLR CONNECTION (MALE/FEMALE) TO ALLOW A CABLE FROM THE LAST UPPER LIGHT TO CONNECT TO THE UPPER WALL OUTLET. THE LOWER OUTLET SHALL HAVE THE PROPER XLR CONNECTION (MALE/FEMALE) TO ALLOW A CABLE FROM THE LAST UPPER LIGHT TO CONNECT TO THE UPPER WALL OUTLET. THE LOWER OUTLET SHALL HAVE THE PROPER XLR CONNECTION (MALE/FEMALE) TO ALLOW A CABLE FROM THE LAST UPPER LIGHT TO CONNECT TO THE UPPER WALL OUTLET. THE LOWER OUTLET SHALL HAVE THE PROPER XLR CONNECTION (MALE/FEMALE) TO ALLOW A CABLE FROM THE LAST UPPER LIGHT TO CONNECT TO THE UPPER WALL OUTLET. THE LOWER OUTLET SHALL HAVE THE PROPER XLR CONNECTION (MALE/FEMALE) TO ALLOW A CABLE FROM THE LAST UPPER LIGHT TO CONNECT TO THE UPPER WALL OUTLET. THE LOWER OUTLET SHALL HAVE THE PROPER XLR CONNECTION (MALE/FEMALE) TO ALLOW A CABLE FROM THE LAST UPPER LIGHT TO CONNECT TO THE UPPER WALL OUTLET. (MALE/FEMALE) TO ALLOW A CABLE TO ROUTE TO THE FIRST FLOOR LIGHT FIXTURE MOUNTED ON THE STAGE. VERIFY EXACT MOUNTING LOCATION OF ALL LIGHTS WITH OWNER.

30. SEE SWEETWATER INDUSTRIES DRAWINGS FOR DETAILS OF ALL AUDIO/VIDEO/LIGHTING CONTROLS, INSTRUCTIONS, AND REQUIREMENTS. THESE INCLUDE SPECIAL GROUNDING FOR PANEL LP-AV, ALL AUDIO AND VIDEO CONDUIT AND CABLING REQUIREMENTS, ALL AV EQUIPMENT MOUNTING DETAILS, AND ALL SANCTUARY, STAGE, AND GATHERING AREA LIGHTING CONTROLS. ELECTRICAL CONTROL CABLING AND LIGHTING CONTROL CABLING AS INDICATED ON SWEETWATER DRAWINGS. CONFIRM ALL REQUIREMETNS WITH OWNER PRIOR TO SUBMITTING BID. PER SWEETWATER DRAWINGS, MC LUMINARY CABLE (TYPE MC-PCS) IS NOT ALLOWED FOR POWWER AND CONTROL OF LIGHTING IN SANCTUARY AND GATHERING AREAS. 31. FOR THE BAPTISTRY CROSS LED BACK LIGHTING, ELECTRICAL CONTRACTOR SHALL PROVIDE A STANDARD DEVICE OUTLET BOX IN THE CENTER HORIZONTALLY AND CENTER VERTICALLY BETWEEN THE TOP OF THE BAPTISTRY AND THE CEILING. PROVIDE A 1/2" CONDUIT WITH LOW VOLTAGE CABLE FROM THIS BOX TO A JUNCTION BOX IN THE BAPTISTRY HALL. PROVIDE BLANK COVER PLATE WITH HOLE DRILLED AT BAPTISTRY BOX. LOW VOLTAGE CABLE SHALL BE USED FOR CONNECTION FROM THE LED DRIVER (MOUNTED IN THE JUNCTION BOX IN HALL) TO THE LED STRIP LIGHTS MOUNTED TO THE BACK OF THE CROSS. MOUNT THE ASSOCIATED "D2" DIMMER IN THE BAPTISTRY HALL. 120 VAC POWER TO THE DIMMER SWITCH AND THEN LED DRIVER SHALL BE PROVIDED BY A GFCI BREAKER (CKT E-24) VIA LCP-3, RELAY 14. 0-10VDC DIMMING WIRES SHALL CONNECT FROM THE DIMMER SWITCH TO THE LED DRIVER. THESE ITEMS SHALL BE USED FOR LOW VOLTAGE LIGHTING FOR THE WALL MOUNTED CROSS. LOW VOLTAGE LIGHTING POWER SUPPLY MUST BE UL LISTED FOR SWIMMING POOL/SPA USE AND MEET ALL REQUIREMENTS OF ARTICLE 680.22(B)(6) AND 680.23 (A) (2) OF THE 2023 NEC. MOUNT THE LED STRIP LIGHTS ON THE DEVICE OUTLET BOX. 32. IN AREAS WITH ELECTRICAL EQUIPMENT, THE NEC DOES NOT ALLOW ONLY OCCUPANCY SENSOR CONTROL. LIGHT SWITCH SHALL BE WIRED IN PARALLEL WITH OCCUPANCY SENSOR TO PROVIDE A CONSTANT ON OPERATION WHEN NEEDED. ELECTRICAL CONTRACTOR SHALL PROVIDE A SHUNT TRIP 2P-60 BREAKER IN PP-S TO FEED THE LOCAL BREAKER DISCONNECT AT THE BAPTISTRY HEATER/PUMP CONTROLS. SHUNT TRIP BREAKER SHALL BE CONTROLLED BY AN EMERGENCY STOP BUTTON MOUNTED 8'-10' AWAY FROM THE EDGE OF THE

BAPTISTRY. THE LOCAL BREAKER DISCONNECT SHALL USE A 2P-60 GFCI BREAKER. SEE SHUNT TRIP WIRING DIAGRAM FOR BAPTISTRY. 34. ELECTRICAL CONTRACTOR SHALL PROVIDE A RECEPTACLE FOR POWER TO AN OWNER PROVIDED LIGHT FOR THE STAINED GLASS WINDOW JUST OFF OF THE PRAYER TOWER. RECEPTACLE SHALL BE CENTERED IN THE WALL (FLOOR TO CEILING) AND MOUNTED 30" FROM THE PRAYER TOWER WALL. RECEPTACLE POWER WILL BE CONTROLLED BY LOCAL SWITCH AND FROM LCP-2, RELAY 4.

35. ALL LIGHT FIXTURES IN THIS AREA WITH 0-10 VDC DIMMING MUST HAVE A DC CONDUIT WITH DC WIRING FROM LIGHTING CONTROL PANEL DIMMING OUTPUT TO LIGHT FIXTURES ALONG WITH THE NORMAL AC CONDUIT/WIRING. AS AN ALTERNATE, MC LUMINARY CABLE (TYPE MC-PCS) MAY BE USED. SEE LIGHTING CONTROL PANEL AND LIGHT FIXTURE MANUFACTURER'S INSTALLATION WIRING DIAGRAMS FOR DETAILS. POWER AND DIMMING WIRING SHALL ROUTE FROM LIGHTING CONTROL PANEL TO LIGHT FIXTURES. 36. ELECTRICAL CONTRACTOR SHALL PROVIDE UNDERGROUND CIRCUITS FOR DECK RECEPTS, PROVIDE OUTDOOR WEATHERPROOF BOXES WITH IN-USE COVERS AND GFCI RECEPTS. SEE OWNER FOR QUANTITY AND LOCATION OF DECK RECEPTS. FOR ROPE LIGHTS, PROVIDE OUTDOOR WEATHERPROOF BOXES WITH IN-USE COVERS AND GFCI RECEPTS. SEE OWNER FOR QUANTITY AND LOCATION OF DECK RECEPTS. FOR ROPE LIGHTS, PROVIDE OUTDOOR WEATHERPROOF BOXES WITH IN-USE COVERS AND GFCI RECEPTS.

WEATHERPROOF LOCAL SWITCH AT DECK ENTRY TO CONTROL CIRCUIT FEEDING LED ROPE LIGHT DRIVERS. MOUNT WEATHERPROOF LED DRIVERS AS NEEDED UNDERNEATH DECK TO SUPPLY MAX LENGTHS OF 30 FEET. ROUTE 120 VAC POWER FROM PANEL PP-E VIA LCP-3 TO THE DRIVERS UNDERNEATH DECK IN UNDERGROUND PVC CONDUIT. DECK ROPE LIGHT AND OUTDOOR DRIVERS ARE LISTED AS FIXTURE "AA" IN LIGHT FIXTURE SCHEDULE. 37. FOR ALL SITE POLE MOUNTED LIGHTS, FURNISH AND INSTALL 1" CONDUIT, BURIED AT A MINIMUM OF 24" TO TOP OF CONDUIT, WITH APPROPRIATE CIRCUIT(S) AS INDICATED. PROVIDE A WARNING RIBBON IN TRENCH 12" (MINIMUM) ABOVE ALL UNDERGROUND CONDUITS PER ARTICLE 300.5(D) OF THE 2023 NEC. ALL ABOVEGROUND CONDUIT SHALL BE RIGID METAL CONDUIT. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 RIGID PVC. SEE DRAWING E-5.0 FOR LOCATION OF POLE MOUNTED LIGHTS. VERIFY EXACT LOCATION OF ALL POLE MOUNTED LIGHTS WITH GENERAL CONTRACTOR BEFORE INSTALLATION. METAL CONDUIT AND LIGHT POLES SHALL BE GROUNDED AND BONDED PER ARTICLES 250, 410.30, AND 410.40 OF THE 2023 NEC. ALL POLE FOUNDATIONS TO BE DESIGNED BY QUALIFIED OTHERS.

38. ELECTRICAL CONTRACTOR SHALL PROVIDE A 120 VAC POWER CIRCUIT CONTROLLED FROM A LIGHTING CONTROL PANEL FOR THE LETTERED SIGN AND FOR THE CROSS LIGHTS. VERIFY EXACT LOCATION WITH GENERAL CONTRACTOR/OWNER/SUPPLIER PRIOR TO ROUGH-IN. 39. INSTALLATION OF ALL ELECTRICAL DEVICES AND OUTLET BOXES MUST NOT SACRIFICE THE INTEGRITY OF THE FIRE RATED WALL, FLOOR, OR CEILING ASSEMBLY. FIXTURES MUST BE RATED FOR THE APPROPRIATE FIRE RATING, OR PENETRATIONS SHALL BE SEALED WITH APPROPRIATE FIRE STOPPING MATERIALS UL LISTED FOR THE SPECIFIC USE AND MEETING ALL PROPER CERTIFICATIONS FOR THE FLOOR/CEILING ASSEMBLY RATING AND ANY REQUIREMENTS OF LOCAL AHJ. PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENETRATIONS IN FIRE RATED WALLS FOR OUTLET BOXES SHALL MEET ALL REQUIREMENTS FOR MEMBRANE PENET LISTED IN THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE. LISTED FIRE RESISTANT PUTTY PADS SHALL BE USED IF THE HORIZONTAL SPACING BETWEEN BACK-TO-BACK OUTLETS IS LESS THAN 24 INCHES ON ANY FIRE RATED WALL.

40. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SERVICE CONNECTION WITH ELECTRICAL UTILITY PROVIDER AND ALL ASSOCIATED COSTS.

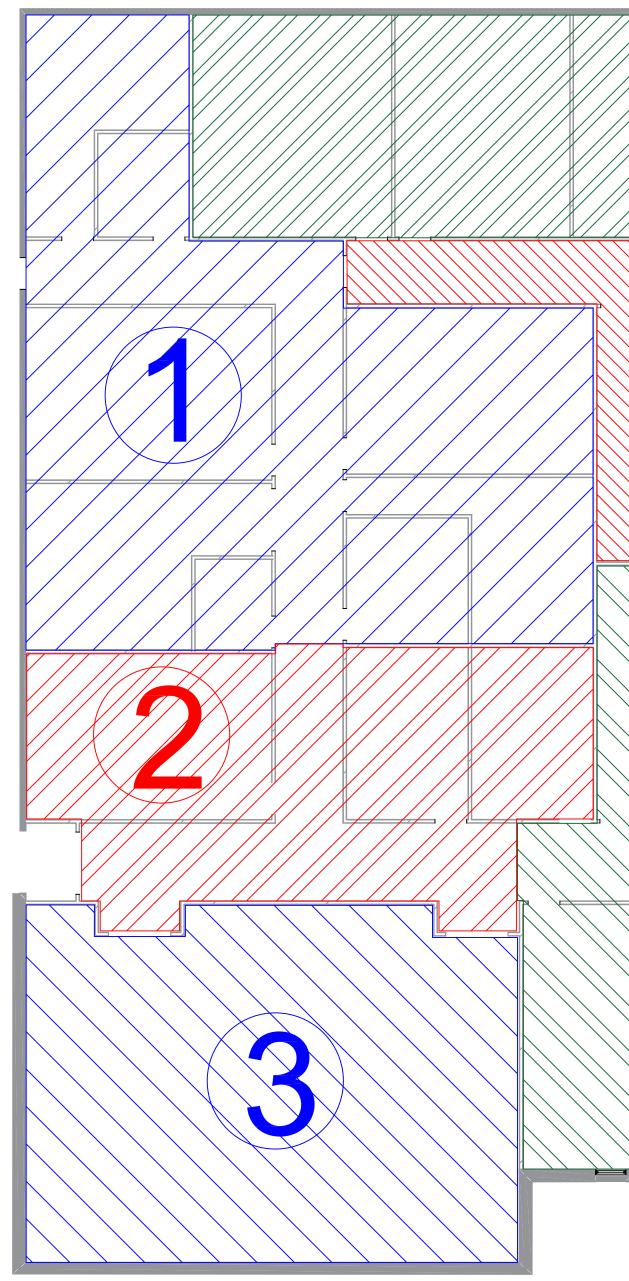
41. IF REQUIRED, ALL FIRE ALARM, SECURITY, CATV, COMMUNICATION, AND SOUND SYSTEMS TO BE DESIGNED BY OTHERS. 42. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIRE ALARM SYSTEM ROUGH-IN (RACEWAYS, DEVICE OUTLET BOXES, AND POWER CONDUCTOR WIRING, AS NEEDED). COORDINATE EXACT NUMBER AND LOCATION OF DEVICES AND ALL INSTALLATION AND WIRING DETAILS WITH FIRE ALARM CONTRACTOR.

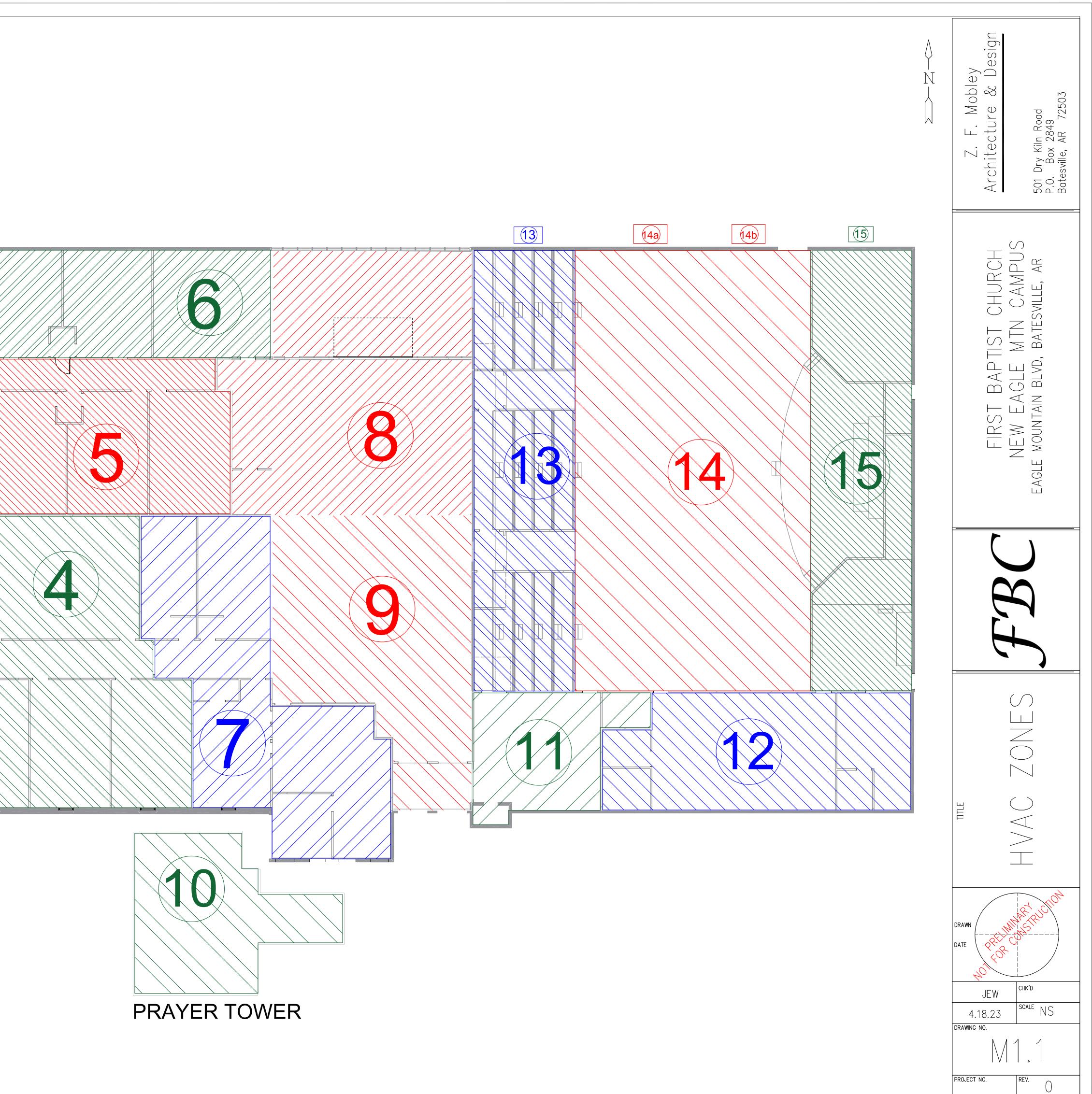
DISCONNECTS SHALL BE SIZED PER THE 2023 NEC FOR 115% OF THE FLA AND THE HORSEPOWER OF THE ACTUAL PURCHASED EQUIPMENT. IF THE EQUIPMENT MANUFACTURER SPECIFIES FUSES, A FUSED DISCONNECT MUST BE USED.

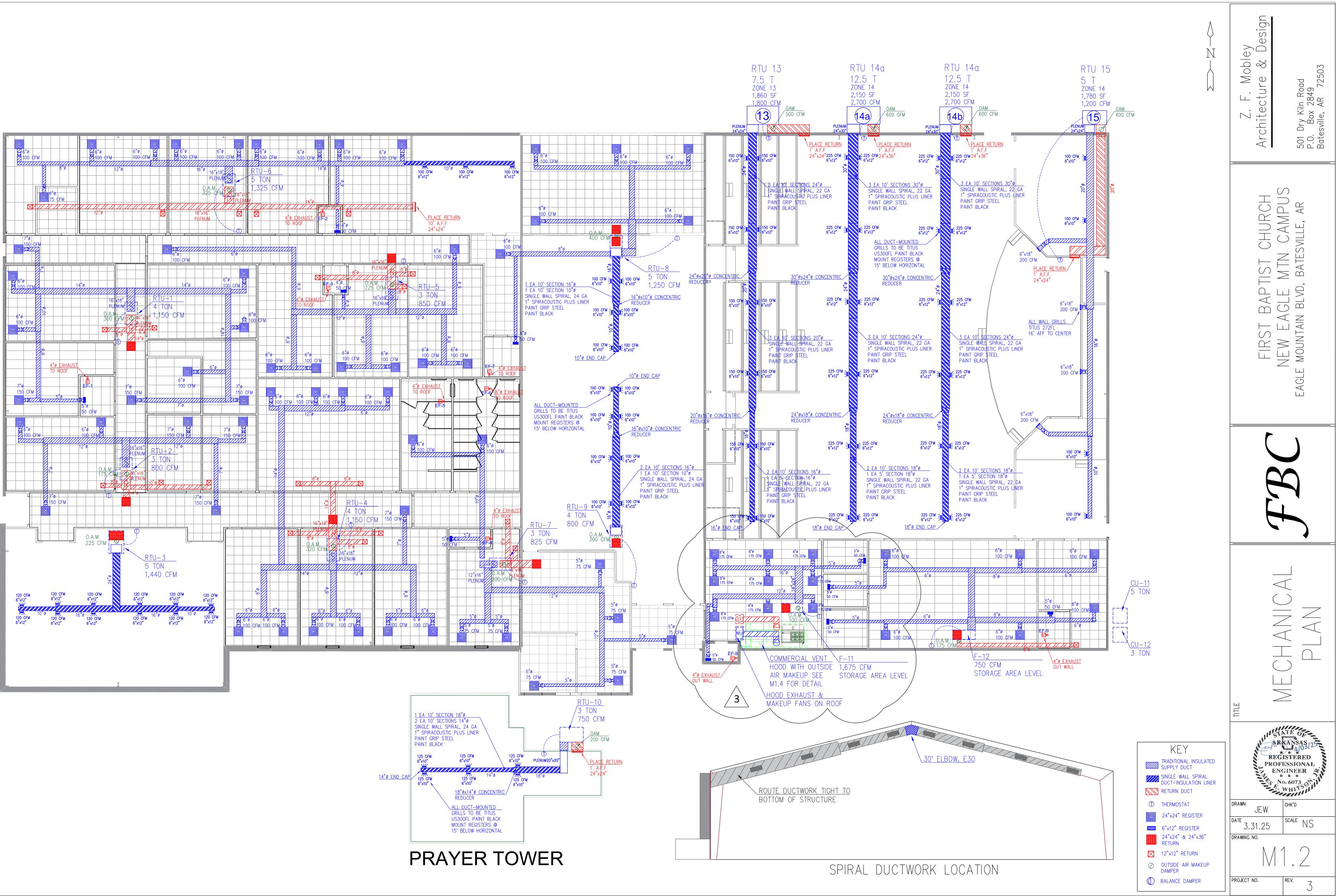
ANDY SHERRILL P.E.				IRST BAPTIST CHURCH	
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Indeer Canditions: Cig. 35 DB, 50% RH, Hgp	Sam of Peaks strated barcepower of 0.61 HP toy with 22 in, water across the fan this system occurs 15 the(s) in the building - 48 grains, Htg: 15' DB r, 75' DB	Supply AirFait: Draw-Inni with program del Fan Injux. Swinctur and Ian efficience Smithle Hear Ratio Outdoor Conditions: Cip 31*DB, 77*WB, 1154, Indoor Conditions: Cip 31*DB, 69% RH, Hig : Summer: Ventation controls solide as,Wher: Ve	Sum of Peaks imate 6 horsepower of 0.47 HP yw8 2.2 in, water across the fan is system accurs 1 time(s) in the building 8 grains, Htg: 15° DB 17° DB	Air System Piak Time. 4prin August. Oxistor Conditions: Oig. 39' 09, 77' WB, 115-48 grains, Hg, 15' DB Indoor Conditions. Oig. 73' 0B, 50% RH, Hg, 75' DB
Control - Second Control Control Control - Market France, Second - Market Frank, Second - Market Frank, Second - Second	0 CFM 322 CFM	Room Space sensible loss: 4,448 Duh Inflitation sensible loss: 0 Bluh Outside Ar sensible loss: 11,263 Bluh Supply Duct sensible loss: 454 Bluh Return Duct sensible loss: 247 Bluh	0 CPM 176 CPM	Anthefit restantial: Control Guards at → Instituti, restantial terms actions at.           Anthefit restantial: Control Guards at Asia           Anthefit restantial: Control Guards           Anthefit restantial: Con
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Heating Capacity Per Area: Total Heating Required With Outside Air: Total Cooling Required With Outside Air:	13.57 Buh/Sq ft 32,808 Buh 4.30 Tons	Cooling Capacity Per Area: Heating Capacity Per Area: Total Heating Required With Dutside Air: Total Cooling Required With Outside Air:	2054 Sq bTon 0.0025 Tens/Sqft 1246 Buh/Sqft 15,453 Buh 3.26 Tens	Heating Capacity Fer Area Heating Capacity Fer Area Tabl Heating Required With Outside Ar. 22:512 Bith Tabl Cooling Required With Outside Ar. 5:00 Toss
Chain THE Connected HITC Loads Caluddain Program	Die Schein Devlagenst, Feelinget der Fes	Chear - Full Commercial HVIIC Loans Calculation Program	Little Software Development, Inc. Free Society Courts Page 17	Date: That Commental MACL Lands Calculate Program     Date: The Landson Transingment Intel     Text Endbauer Transingment Intel     Text Endbauer     T
Desi: 14 Construction Catalog	- Semol Peaks estimated horsepower of 0.51 HP ncy with 2.2 in, water across the fan This system occurs 1 Sme(s) in the building	Air Handler 96 - Zore 5 - Total Load Summary Air Handler Descripton: Zone 5 Constant Volume - Supply Air Fan: Draw-Thru with program et Fan Input. 55% motor and fan efficien Sensible Heat Roto: 0.62 T	Proportion streated horsepower of 0.35 HP icy with 2 in, water across the fan his system occurs 1 time(s) in the building	The intervention of the Determinant of the Determinant in the Det
Indeer Conditions: Cig: 74° DD, 77° WD, 114 Indeer Conditions: Cig: 75° DD, 50% RH, Hg	vertilation controls outside air.	Custor Conditions: Clg: 94" DB, 77" WB, 114 - Indoor Conditions: Clg: 76" DB, 60% RM, Hig: Custor Conditions: Clg: 76" DB, 60% RM, Hig:	45 grains, Htg: 15° DB 75° DB	Ad Openan Pask Time - April Appart Outload Constraints - Conf 1970 DL 7970 UT 51 41 proves, Hig 1970 DL Hold or Constraints - Conf 1970 DL 7970 UT 51 41 proves, Hig 1970 DL Someric Versilload or cutoris ai
Contract, Personant Control Studiet and Person, Personal A. Room Species ensible loss: 0.400 Bbh Inflatation sensible loss: 0.417 Bbh Supply Dect sensible loss: 0.417 Bbh Room Personant Sensible loss: 0.81 Bbh Room Personant Sensible loss: 0.81 Bbh Total System sensible loss: 0.81 Bbh Total System sensible loss: 0.81 Bbh	0 CPM 320 CPM 31,524 Bluh	Ricon Space sensible loss: 4.477 Thus Information sensible loss: 3 Thus Signaphysics and the sensible loss: 4.428 Signaphysics and the loss: 4.428 Double Return Direct sensible loss: 0 Rish Return Direct sensible loss: 0 Rish Total System sensible loss: Hasking Signaphysics for 3 total 15 a.	228 CFM 18,949 Bwh 226 CFM 226 CFM	Spent filters         Spent filters <thspent filters<="" th="">         Spent fil</thspent>
Heating Supply-Arx 10.511 / (368 2.11 68 2.20) = What's Vero Chursle's All (50 50 of supply = Roam space sonolda gain: 19.572 Bah Infoldation wenable gain: 0.824 Bah Daw thru finn semiale gain: 1.524 Bah Supply due semible gain: 1.524 Bah Roams sonolda gain: 2.665 Bah Total semiale gain: 2.665 Bah	493 CFM 320 CFM	Heading Supply Air 4.477 / (580 X 1.03 X 15) = Water Vent Oursdo Ar (100.0% of usply) = Room space sensible gain: 15,470 Pub Inflution sensible gain: 0 Blub Draw-Run In samable gain: 9 Blub Supply doct sensible gain: 0 Blub Bianom sensible gain: 0 Blub	226 CHM	Room space sensible gain: 24.705 Buh Infratation levalue gain: 0 Buh Dava dhu fan sinnable gain: 1,65 Buh Supply doc sensible gain: 0 Buh
Cooling Supply Ar: 24,6017 ( 988 X 1.1 X 20) =	24,801 Bluh 1,141 CFM 320 CFM	Total sensible gain on supply side of coll: Cooling Supply Air: 16,385 / (.988 X.1.1 X.20) =	16,365 Bluit 754 CFM 226 CFM	Conting Surphy Arr. 28:157 (1983 X:11 X:20) = 1.294. CPM Survey Vent Outside Arr (23:5% of surphy) = 287. CPM Refum duct sensible gain: 0. Dash
Dummer vent occupe an (200% el tapop) = Ratum dici sensible gain: 645 Buh Return plesum sensible gain: 6,03 Buh Blou-thu fan sensible gain: 6,03 Buh Total sensible gain on tern sibe of call Total sensible gain on tern sibe of call Total sensible gain on tern sibe of call	320 CPM 7,054 Bluh 31,855 Bluh	Blow-thru fan sensible gain 0 Btuh Total sensible gain on return side of coll. Total sensible gain on air handling system:	225 CFM 4,558 Bluh 21,053 Bluh	Outside air sensible gain: 5,621 Bush 287 CPM Blow-Your Isansable gain: 0 Bush Total sensible gain on straum side of coll 5,621 Bush Total sensible gain on straum side of coll
Roam space leant gain: 9,900 Dah Infrateria leant gain: 0 Bah Outside air latent gain: 0 Bah Total latent gain: 0 air handing system: Total spatem sensible and latent gain: Check Proves Total An Handler Skopty Are (based on a 20° TD): Total An Handler Work. Are (based on a 20° TD):	20,432 Bluh 52,267 Bluh	Room space lister (gam: 9, 160 Buh Infratori lister (gam: 0 Buh Outside air later) gam. 7, 459 Buh Teal later) gain o air karafling system: Teal air lister semake and laterit gam. Charaflingenes Teal Air Hansler Net, Al (259 Sr) of Supply):	17,339 Bash 38,392 Bash 754 CFM	Open space family gene         10.00 Buh Inference area of 20 Buh Tark Annual Annual Annual Annual Tark Annual Annual Annual Tark Annual Annual Annual Tark Annual Annual Annual Tark Annual Annual An 20 M (1) Tark Annual An
Total Air Handrei Soppi Air (based on a 20-10). Total Air Handrei Vern, Air (28.05% of Supply). Total Conditioned Air Space: Supply Air Per Unit Area. Area Per Cooling Capacity. Cooling Capacity Per Area.	1,141 CPM 320 CPM 2,401 Se,t 0,4754 CPM/Se,t 551.0 Se,t/Ten 0,0016 Town/Se,t	Total Ari Handler Verla, Ar (25.95% of Supply): Total Conditioned Ari Space: Supply Ari Per Unit Area: Area Per Cooling Capacity, Cooling Capacity Per Area:	754 CFM 226 CFM 1.996 Salt 0.4446 CFM/Sq.ft 530.1 Sq.ttTen 0.0019 Tonx55q.ft	Table Canademin Are Space: 2,165 Sql 11 Skepty Are Port Init Area: 0.656 CFM/Sql H Area Per Cooling Capacity, 445.6 Sql 17 on Cooling Capacity Per Area: 0.0002 Tam/Sql R
Heating Capacity Per Area: Heating Capacity Per Area: Total Heating Required With Outside Air: Total Cooling Required With Outside Air:	13 13 Bulv/Sq.ft 31,524 Bulv 4.36 Tons	Heating Capacity Per Area Total Heating Required With Outside Air: Total Cooling Required With Outside Air:	11.17 Bluh/Sq.ft 18,949 Bluh 3.26 Tens	Heating Capacity Pir Ama: 13 GB Bis//Sig ft Total Husing Required Web Datase Aa: 28 G2 Bish Total Cooling Required Web Outside Aa: 4.84 Tons
Ones: Full Commercial IV/I C (soch Calculation Program Based at July) Text Handler H - Zone 7 - Table Land Surrensity	Elle Sabure Devilapment, Preclassic De Pag	Chinac - Full Commercial HMIC Loads Calculation Program     Design Bruch     Commercial HMIC Loads Calculation Program     And     And Handler HB - Zone B - Total Load Summary     And Handler HB - Zone B - Total Load Summary	Elite Software Development, & Pert Bacter Cho Page	Discont of Connect and Consideration Program     Discont of Connect and Consideration Program     Discont of Connect and Connect and Program     Discont of Connect and Program     Discon
Ar Handler HT - Zong - Total Last Summary           Ar Handler HT - Zong - Tomstern Webmen- Supply Ar Fan:         Dave The wide years           Star The Webmen- Pan Ingut         Dave The wide years           Star The wide years         Dave The wide years           Ar System Peak Time         0.50           Outstore Considers         Og SH Dia S/S Ref. Hig           Interference         Dia Sh Dia S/S Ref. Hig	Proportion strenated homepower of 0.22 HP noy with 2 in water across the fan This system occurs 1 time(s) in the building.	Air Handler #3 - Zone 8 - Total Load Summary Air Handler Description. Zone 8 Constant Volume Suppl Air Fan: Description & Zone 8 Constant Volume Fan Input: 65 % moter and tan effici Benelibe Hast Ratio: 0.79 Air System Peak Time: 3pm in August.	Proportion     extended horsepower of 0.47 HP     ency with 2 in, water across the fan     This system occurs 1 time(s) in the building.	Compared Stream Compared
	As guills, Hig. 15'DB 175'DB Vertilation controls outside air. 0 CFM 267'CFM	Air System Peak Time: 3pm in August Outdoor Conditions Clip 54/108, 171 WB, 15 Indoor Cenditions (56) 757 UB, 500 RH, H Summer: Ventilation controls outside air	ventriation controls outside air.	Summer: Ventilation controls outside air, Winter: Ventilation controls outside air.
Suppry Duct sensible loss: 0 bhuh Return Duct sensible loss: 0 bhuh Return Pierum sensible loss: 0 bhuh Total System sensible loss:	25,106 Bluh	Room Space sensible loss 15,553 Buh Information concide loss: 0,000 Buh Stappi Duct sensible loss: 0,000 Buh Stappi Duct sensible loss: 0,000 Buh Return Pietrum sensible loss: 0,000 Buh Total System sensible loss: 0,000 Buh Total System sensible loss:	0 CFM 667 CFM 59,317 Buh 781 CFM	Rom Recar analytics:         5.93 Dan           Inference analytics:         0.00 °C °C °C           Derive Operation and Comparison         0.00 °C °C
Heating Supply Art 8 040 / 1988 X 108 X 20) – Wentar Vest Duttide Air (70.8% of supply) = Room space sensible gain: 9, 201 Buh Inflatation sensible gain: 0 Buh Draw-Bhn fan sensible gain: 54 Buh Supply duct sensible gain: 0 Bluh Reiserve sensible gain: 0 Bluh	377 CFM 267 CFM	Heating Supply Air: 15.653 / (388 X 1.08 X 20) = Winter Vent Outside Air (55 4% of supply) = Room space censible gain: 19.795 (buh	281 CFM 667 CFM	Roam space werelde gann (8727) Buh Inflattacie enablie gann (929) Buh Diewe chruit fans sensible gann (929) Buh Skrydy duck sensible gann (920) Buh
Total sensible gain on supply side of coil: Cooling Supply Ar: 9,830 / (988 X 1 1 X 20) = Summer View Outside Ar (58 9% of surrely) a	5,830 Bluh 452 CFM 267 CFM	Total sensible gain on supply side of coll: Cooling Supply Ar: 20,956 / (.988 X 1.1 X 20) =	20,966 Bluh 965 CFM 667 CFM	Cooling Supply Ar: 17.176 / (988 X 1.1 X 20) = 791 CFM Summer Vent Outside Ar (48 1% of sumbly a 280 CFM
Return duct sensible gain: 0 thub Return plerum sensible gain: 0 thub Ostude an reseable gain: 500 thub Blow-thru fan sensible gain: 0 thub Total sensible gain on return side of coll. Total sensible gain on sen handling system: Room sugue Intern gain: 1,100 thub	267 CFM 5,564 Bluh 15,334 Bluh	Beammer Vern Ostable Auf (91 h e nuppy) - Return plerum sensible gain: 0 Blah Return plerum sensible gain: 0 Blah Outside air sensible gain: 13,761 Blah Blowdhra fan sensible gain: 0 Blah Total sensible gain on kann side of ooli Total sensible gain on air handling system:	667 CFM 13,761 Bluh 34,727 Bluh	Blow-thru fan sensible gain: 0 Buh Total sensible gain on return side of col: 7,843 Bluh Total sensible gain on air handling system 25,020 Buh
Hoom space latent gain: 1,100 Dah Inflatenis latent gain: 0 Buh Outside air latent gain: 8,773 Buh Total latent gain on air handling system: Total system semuluk and batent gain:	9,873 Bluh 25,207 Bluh	Room space latent gain: 5,500 Bruh Inditration latent gain: 0 Bruh Outside air latent gain: 21,932 Bruh Total latent gain on air handling system: Total system semsible and latent gain.	27,432 Buh 62,159 Buh	Rest region         5.09         Buh           Independent wards         5.09         Buh           Total data sign and signa wards         100         100           Total data signa wards         100         100           Total data signa wards         100         100           Total data signa wards         100         100           Total An Tender Singly Antonia of a 20° (10)         101         100           Total An Tender Singly Antonia of a 20° (10)         300         CM
[Check Higans] Total Art Handler Stapply Art (based on a 30° TD): Total Art Handler Vest, Art (\$1,95% of Supply): Total Conditioned Art Space: Supply Art Der Link Area: Area Per Cooling Capacity: Cooling Capacity Per Area:	452 CPM 267 CPM 2,000 Sq.ft 0,2052 CPM/Sq.ft 552.1 Sq.ftTon 0,0011 TonxSq.ft	Check Figures Total Ar Randie Supply Air (based on a 20° TD): Total Ar Randier Vent. Av (59 39% of Supply) Total Conditioned Air Space: Supply Air Per Unit Avec. Area Per Cooling Capacity.	965 CPM 667 CPM 2,580 Sq.ft 0,3860 CPM/Sq.ft 482,6 Sq.ft 482,6 Sq.ft an	Supply for Unit News Area Per Gaoleg Capacity 5100 Strategy 1 Area Per Gaoleg Capacity 5100 Strategy 1 Cooling Capacity PA Area: 0.0015 Trons2(th
Cooling Capacity Per Area Heating Capacity Per Area: Total Heating Required With Outside Air Total Cooling Required With Outside Air:	0.0011 TonsSq.ft 12.55 Bub/Sq.ft 25.105 Bub 2.10 Tons	Area Per Cooling Capacity: Cooling Capacity Per Area Heating Capacity Per Area: Total Heating Required With Outside Air: Total Cooling Required With Outside Air:	482.6 Sq.h7ten 0.0221 TanwSq.ft 23.73 Btub/Sq.ft 59.317 Btub 5.18 Tons	Hansing Capacity Par Aves: 17.30 Etun/Sg ft Total Henring Required With Outside Arc 33.872 Bluh Total Cooling Required With Outside Arc 3.59 Tons
Ouise Tell Commercial IMAC Lash Global for Proper Descent forum Resemble AC 2001 Air Fainder #10 - Zone 10 - Tictal Load Summary Air Fainder Discoption: Zone 10 Commany Volume	The Salvan Cristignant For Losto Co Page 4. Discontr-	Chest-Fall Carenersial (NNC Leash Cakuditae/Pegan     Dawara Bruan     Imment Art 1001)     Air Handler # 111 Tatal Load Summary     Air Handler Description: Constant Volume - Prop	Bits Scheen Development, B Frie Saster One Page and on	Cover 74 Coversid VMC Lock Clubber Argue     Cover 74 Coversid VMC Lock Clubber Argue     Cover 74 Clubber Clubber Clubber Clubber Argue     Cover 74 Clubber Clubber Clubber Clubber Clubber Argue     Coverside     Coversi
Supply Ar Fan: Draw-Tanu with program e Fan Input: 66% motor and fan efficie Sensible Heat Ratio. 0.38	estimated horsepower of 0.37 HP ency with 2 in, water across the fan This system occurs 1 time(s) in the building.	Air Handler Destription: Constant Valame - Prog Supply Air Pain: Draw-That with program Fain Input. 55% motor and fain effici Semable Heat Ratio: 0.6% motor and fain effici Semable Heat Ratio: 0.6% motor and fain effici Semable Peak Time: 3pm in August. Outdoor Conditions: Cig. 177: 108, 177: WB, 17 Holow Conditions: Cig. 177: 108, 177: WB, 17	portion estimated horsepower of 0.84 HP incry with 2 in: water across the fan - This system occurs 1 itme(s) is the building - 4.45 grains, Htg. 15' DB	An index #21 Told Last Sommary     An index #2
Indeer Conditions: Clg: 75° DB, 59% RH, Hg Summer: Ventilation controls outside air, Writer: 1	48 granes, Hig 15' DB g 75' DB Verbilation controls outside air. 0 CFM 220 CFM	Summer, Ventilation controls outside air, Weiter Room Space sensible loss: 3,458 Bluh Inflatation sensible loss: 0 Bluh	14-56 galanna, Hig. 15'DB 19, 75'DB : Ventilation controls cutside air. 6 CFM 94 CFM	Indoor Conditions: Clig: 75° DB, 59% RH, Hig: 75° DB Summer: Ventilation controls outside air Whiter Ventilation controls outside air.
Room Space sensible loss: 15,747 (bub Influtation sensible loss: 0 (bub Outload & rescalade loss: 0 (bub Stepp) Duct sensible loss: 0 (bub Return Duct windle loss: 0 (bub Return Prevent sensible loss Total System sensible loss Heating Spacy Art 15,777 (158 X 1.08 X 20) = Whete Veron Lossida AV (28 R 5 of lappip) =	220 CPM 29.847 Buh 290 CPM	Influences sensible loss 0 Bule Outside Areandobi loss 5.959 Deuh Sepply Dact wendbie loss 0 Bule Return Data sensible loss: 0 Bule Return Planam sensible loss: 0 Bule Total System sensible loss: 0 Bule Heating Dappiy Art. 3458 / 1698 X 109 X 203 – Weter Vendon Duside Art (77 S of supply) –	94 GPM 9,448 Buih 162 GPM 94 GPM	Instruction available time         // 8         Bub.         0 CPM           Ownshot Aver stands tests         // 20 Bub.         192 CPM           Data du available time         8 Bub.         192 CPM           Data du available time         8 Bub.         192 CPM           Data du available time         8 Bub.         193 CPM           Data du available time         8 Bub.         19 CPM           Data du available time         9 Bub.         19 CPM           Data du available time         19 CPM         19 CPM
Room space sensible gain: 15.433 Buth Infitration sensible gain: 0 Buth Draw-thru fan sensible gain: 916 Buth Supply duct sensible gain: 0 Buth		Wenter Vest Outside Av (17.7% of supply) = Room space sensible gain: 30,463 Duh Information sensible gain: 2,007 Buh Durw fructure membling gain: 2,007 Buh Reservice sensible gain: 0 Buh Total sensible gain on supply soft of coll Total sensible gain on supply soft of coll		Rozen space sanskle pain 13.311 Buh Infrataria sensikle pain 9 Buh Dave-Bru in sensikle pain 122 Buh Bigging dat sensikle pain 8 Buh
Reserve service gain 0 Buch Total sensitie gain on supply side of coll Coding Skipply Air 16,413 / (\$813,511,52) = Sammer Veri Oxtale Air 2011; 51 of supply) = Return duct sensible gain: 0 Buch Return glever sensible gain: 0 Buch Down of the sensible gain: 0 Buch Disk-thron is ensible gain: 0 Buch	16,410 Blub 755 CFM 220 CFM	Summer Vent Outside Air (5.4% of supply) = Debug duct assetble gain: 0. Bub	37,545 Balt 1,726 CFM 94 CFM	Cooling Supply Ar: 14.0997(.988 X 1.1 X 20) = 649 CPM
Total sensible gain on air handling system:	220 CFM 4.302 Blub 20,712 Blub	Blow dhru fan sensible gain: 0 Bluh Total sensible gain on return side of coll Total sensible gain on air handling system: Drom waara latent gain: 17,600 Bluh	94 CFM 1,932 Bluh 39,477 Bluh	Blow-Bru fan sensble gain: 0 Bluh Total simsble gain on return side of col: 3,088 Bluh Total sensble gain on ar handling system: 18,086 Bluh
Boom spece Mering spin: 2,200 Buh Inflution Literergan: 0 Duh Outside all latert gain: 7,779 Duh Total Literia sen all arading system: Total kystem sensible and latert gain: Chart Systems Total Air Hondier Stepy Air (based on 28° TD): Total Air Hondier Verst, Air (25 10% of Supph);	9.679 Bluh 30,391 Bluh 766 CFM 220 CFM	I eliferation laterel gain 0 Bah Osticia el laterel gain 3,019 Bah Total laterel gain on alr'handling system: Total aytem sensible and laterat gain. Direck Figures Total Ari Hardier Vert. Ar (5-25) el Sopph): Total Ari Hardier Vert. Ar (5-25) el Sopph):	29,778 Bain 60,255 Bain 1,726 CFM 94 CFM	informion laser gam" -
Total Conditioned Air Space: Supply Air Per Unit Area: Area Per Cooling Capacity, Cooling Capacity Per Area:	880 Seft 0.8502 CPM/Seft 347.5 Seft/Ten 0.0029 Tows/Seft	Total Conditioned Air Space: Supply Air Per Unit Area: Area her Cooling Capacity, Cooling Capacity Per Area:	762 Sqft 2.4515 CFM/Sqft 139.8 Sqft/Ton 0.0072 Tons/Sqft	Other Tepres         518         CPM           Tata AH Hadrar Steppily An Exceed on 3.01* TD1         518         CPM           Tata AH Hadrar Steppily An Exceed on 3.01* TD1         513         CPM           Tata CH Hadrar AH Spece         1.01         543           Tata CH Hadrar AH Spece         1.01         543           Mark Hadrar AH Spece         1.93         541* Th           Celling Careory, Celling Careory, Second, Hadrar AH Spece         543         541* Th           Celling Careory, Second, Her AH         543         541* Th
Heating Capacty Per Area Total Heating Required With Outside Ar: Total Cooling Required With Outside Ar:	33.52 Bluh/Sq.ft 29,947 Bluh 2.53 Tons	Heating Capacity Her Area: Total Heating Required With Outside Air: Total Cooling Required With Outside Air:	1.546 Blunton II 9,448 Bluh 5.92 Tons	Colling Laplady for Area. UNIT 1 (1990) 1 Henting Capacity Per Area 11555 BlackBig ft Test Henting Required With Outside Ar. 15540 Black Test Cooling Required With Outside Ar. 259 Taris
Onser-Full Commercial HNIC Loads Calculation Program Desters By Jim Benefits, All 2001 Air Handler #13 Total Load Summary Air Handler Description Constant Volume - Propo	Eithe Software Developmen Fine Software D Fine Software Fin Pin	Cheer if all Cemensoid IVAC Loads Gebakton Progen Desize ByJen Itanenia, AR 2001 Air Handler & 14 Total Load Summary Air Handler Description. Constant Volume	Cite Sufferent Develo	Chair Tall Classical 2010 Classic Classic Classical Pages     Control Classical 2010 Classi
Construct Aptic Symmetry Medicals Symmetry         An           Dark Hong Symmetry         An           Dark Hong Symmetry         An           Dark Hong Symmetry         Band Symmetry	estimated horsepower of 0.83 HP ency with 2 in, water across the fan This system occurs 1 time(s) in the building 4.45 grains, Htg: 15° DB in 75° DB	and Beautin, AR 1994. Air Hander Description. Consider the Volume Air Hander Description. Consider the Volume Fain Input	- Propertion system astimated horsepower of 2.54 HP efficiency with 2 in water across the fan This system occurs 1 time(s) in the bui VB, 115.48 grains, Htg. 15' DB RH, Htg. 75' DB	Fan Inpd. 55% note and Ian efficiency with 2.2 in water across the fan - Denote Hwart Ratio: This system occurs 1 transfs; in the Building This system occurs 1 transfs; in the Building 
Summer Ventilation controls outside siz Weter '		Indoor Contidense. City, 75° DB, 50% J Summer: Vestilation controls outside air	Unter: Ventilation controls outside air. tub	Sources V-bellines romain active are — "New V-bellines romain active are     Reg. Engroup Constantia New 2 70 Rb. A     Hindback areable inter
	75,416 Bluh		141,542 I	Return Dict sensible los: 1,548 Bluh Return Plenum sensible los: 0 Bluh Tatal Souten sensible los: 78,978 Bluh
Room Space periodik form         25.819         Built           Infer total sensibile loss:         25.819         Built           Infer total sensibile loss:         46.937         Built           Stappi / Durat sensible loss:         0         Built           Robum Duct sensible loss:         0         Built           Robum Duct sensible loss:         0         Built           Total System sensible loss:         0         Built           Hoating Stuppi Ar: 25.019 / 648 X 104 X 30         Hoating Stuppi Ariang Stupi Ariang Stuppi Ariang Stuppi Ariang Stupi Ariang Stupp	1.210 CFM 775 CFM	Heating Supply Air: 27,628 / (.588 X 1.08 X 15) Winter Vent Outside Air (100.0% of supply) =	- 1,780 CFM 1,780 CFM	Heating Supply Air: 30.966 / (.988 X 1.08 X 20) = 1.452 CPM Winter Vent Outside Air (.51.1% of supply) = 742 CPM
Heating Supply Air: 25.019 / (.988 X 1.08 X 20) = Winter Vent Outside Air (56.0% of supplit) =		Room space sensible gain: 111.723 Bt Infitration sensible gain: 0 Bt Draw-thru fan sensible gain: 6,608 Bt Supply duct sensible gain: 0 Bt	tuð tuð tuð tuð	Heating Supply Air. 30,5667 ( 588 X 108 X 20) = 1.442 CPM Writer Vent Ostande Are (13.1% of uspypt) = 742 CPM Roem space sensible pair: 20,258 Etuit Inflations sensible pair: 20,258 Etuit
Hosting Stoppi (Ar: 25.81% (168.4 × 1.68.× 20.9 Water Veron Londie Ar (6.66.54 stoppi) = Rosen space sensible gain:	37,163 Bun 1,710 CPM 776 CPM	Poon space aensible gain: 111722 IB Infinitation sensible gain: 0 IB Draw dru fan sensible gain: 6 600 IB Supply doct sensible gain: 0 IB Total sensible gain on supply side of coll Coding Supply Ar: 113,331 / (283 X.1)X.200 Summer Verc Oxide Ar (12.7) Sei on supply i	huh huh huh huh 118.331 ( ) = 5,446 CFM 1,780 CFM	Hearing Stapping Weig Mich (1981) 1981)         1982
Hearning Georgi, Ar. 25(11): (481:101, 27) Hearning Georgi, Ar. 25(11): (481:101, 27) Hearning Technologi, 46(165, 461:40); 47) Real course restricting and article of the second Dama which the neutrinois georgi C. 25 Dama which the neutrinois georgi C. 25 Dama which the neutrinois georgi C. 25 Dama which the neutrinois georgi C. 20 Dama Which the neutrinoi	37,163 Biuli	Room packs associate gain 1117/20 Infinitation sensible gain 6.060 Dans dhe fas associate gain 6.060 Dans dhe fas associate gain 6.060 Dans dhe sociate gain 6.000 Dans dhe sociate gain 6.0000 Dans dhe sociate gain 6.00000 Dans dhe sociate gain 6.000000 Dans dhe sociate gain 6.000000 Dans dhe sociate gain 6.00000000 Dans dhe sociate gain 6.000000000000000000000000000000000000	NA NA NA NA NA NA NA NA NA NA NA NA NA N	hearing Bargity Are, SMA (11911 511, 512)         112, 50 YM           Haring Bargity Are, SMA (1191 511, 512)         112, 50 YM           Bargity Area, SMA (1191 511, 512)         112, 50 YM           Haring Sargity Area, SMA (1191 511, 512)         112, 50 YM           Haring Sargity Area, SMA (1192, 511, 512)         120, 50 Haring           Colver Sargity Area, Mark (1191, 511, 512)         112, 50 YM           Colver Sargity Area, Mark (1191, 511, 512)         112, 50 YM           Data (1191, 514, 514) (1191, 511, 513, 511, 512)         112, 50 YM           Data (1191, 514, 514) (1191, 511, 513, 514, 514)         112, 50 YM           Data (1191, 514, 514) (1191, 511, 514, 514)         112, 50 YM           Data (1191, 514, 514) (1191, 511, 514, 514)         112, 50 YM           Data (1191, 514, 514) (1191, 514, 514)         112, 50 YM           Data (1191, 514, 514) (1191, 514, 514)         112, 50 YM           Data (1191, 514, 514) (1191, 514, 514)         112, 50 YM           Data (1191, 514, 514) (1191, 514, 514)         112, 50 YM           Data (1191, 514, 514) (1191, 514, 514)         112, 50 YM           Data (1191, 514, 514)         112, 50 YM <t< th=""></t<>
Hanness bester Jun 2014 1991 1992 1993 1994 1995 1995 1995 1995 1995 1995 1995	1710 CPM 27,163 Dun 775 CPM 16,597 Dun 51,569 Dun 34,646 Dun 98,665 Dun	Rever spece assoling part 111/22 (0) Boundary of the second part of t	NA A- A- NA I I = 5.448 CPM 118.331 I I = 7.785 CPM A- NA I - 7.785 CPM A- NA I - 7.785 CPM A- NA I - 7.785 CPM A- A - 7.795 CPM A- A - 7.795 CPM A- A - 7.755 CPM A- A - 7.755 CPM A- A - 7.7555 CPM A- A - 7.7555 CPM A- A - 7.7555 CPM A- A - 7.7555 CPM A- A - 7.7555 CPM A- A - 7.7555 CPM A- A - 7.7555 CPM A-	Princip Supply Are 3 MM (1199 1 510, 20%)         1 122 CM           Harring Supply Are 3 MM (1199 1 510, 20%)         1 122 CM           Burn data sets and area         1 107 EAA           Data for an end of an end end of an end end of a
Horn rates water (A) (181 - 118	37,143 Bun 776 CPM 775 CPM 15,597 Bun 15,597	The second secon	NA AB AB AB AB AB AB AB AB AB AB AB AB AB	Private State (1991)         1120<
Harmon Kongel, e. 2, 2,47 (1), (101-111-111-111-111-111-111-111-111-111	37,553 Bun 775 CPM 775 CPM 15,575 Ban 15,575 Ban 28,565 Ban 775 CPM 12,755 CPM 775 CPM 775 CPM 775 CPM 775 CPM 775 CPM	Record processing parts and record parts a	NA NA NA NA NA NA NA I= 5,445 CFM 1,785 CFM NA NA NA NA NA 1,785 CFM 1,785 CFM NA 1,785 CFM NA 1,785 CFM NA 1,785 CFM 0,000 1,785 CFM 1,000 1,00	Princip Supply Are 3 MM (1199 1 510, 20%)         1 122 OW           Harring Supply Are 3 MM (1199 1 510, 20%)         1 122 OW           Burn data sets and area         1 107 BuA           Data of the sets and area         1 107 BuA           Data of the sets and area         1 107 BuA           Data of the sets and area         1 107 BuA           Data of the sets and area         1 107 BuA           Data of the sets and area         1 107 BuA           Data of the sets and area         1 100 BuA           Data of the sets and area         1 100 BuA           Data of the sets and area         1 100 BuA           Data of the sets and area         1 100 BuA           Data of the sets and area         1 100 BuA           Data of the sets and area (area (area)         1 107 BuA           Data of the sets and area (area)         1 100 BuA           Data of the sets area (area)         1 100 BuA           Data of the sets area (area)         1 100 BuA           Data of the sets area (area)         1 100 BuA           Data of the sets area (area)         1 100 BuA           Data of the sets area (area)         1 100 BuA           Data of the sets area (area)         1 100 BuA           Data of the sets area (area)         1 100 BuA
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# UNITS 1-12 ROOFTOP MOUNTED UNITS 13-15 GROUND MOUNTED



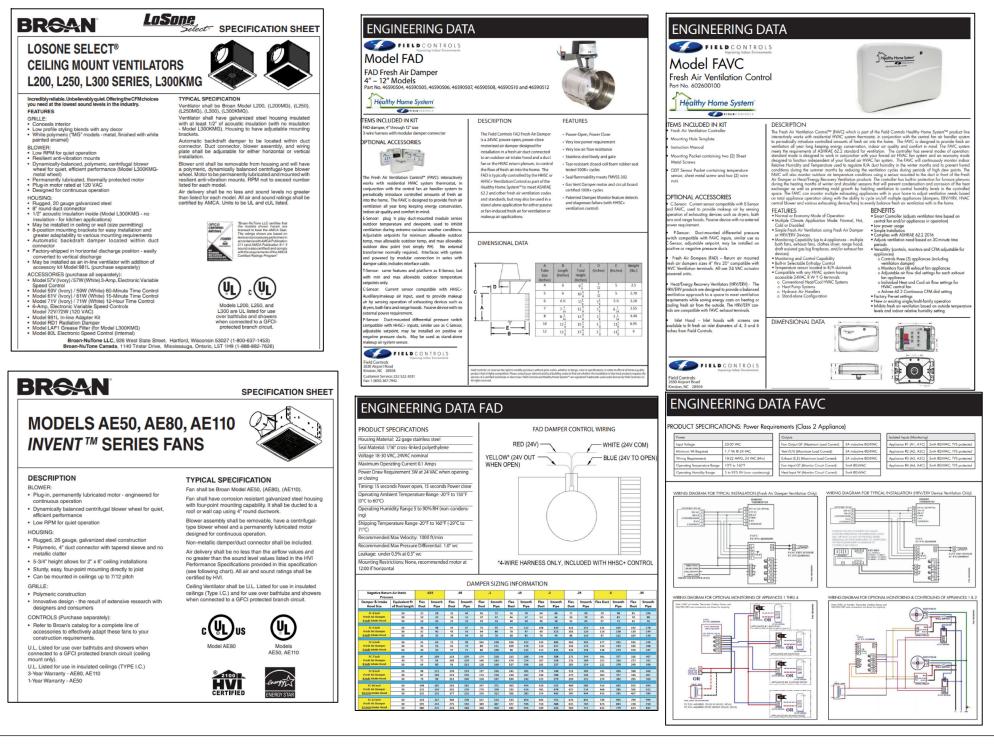




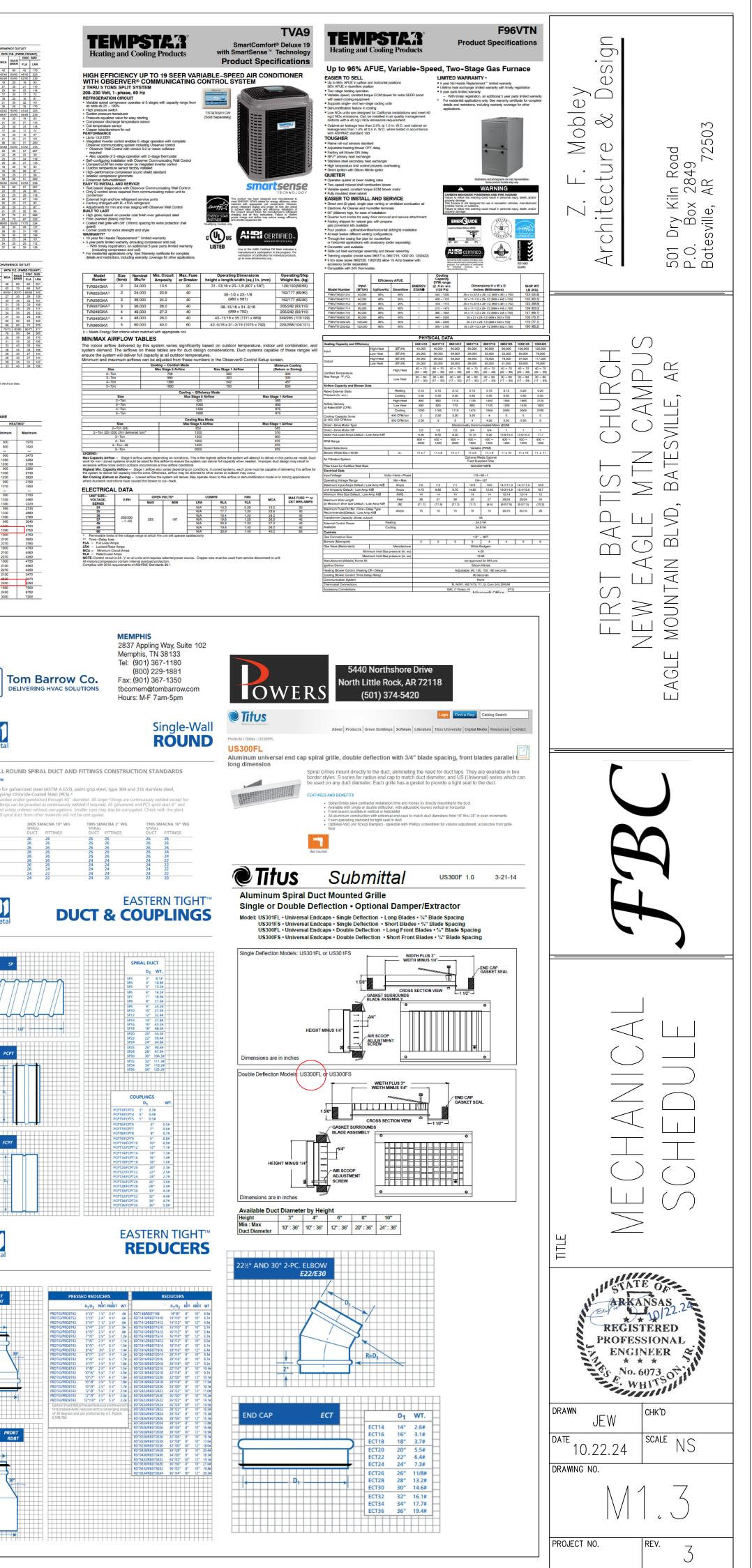
$T \land \cap $	UNIT MODEL	RATED	REQUIRED	VOLTAGE	HEATING INPUT	OUTSIDE AIR	CIRC	•
TAG #	UNIT MODEL	CFM	CFM	VOLTAGE	MBH	CFM	MIN CKT AMPACITY	MAX CK BREAKEI
RTU-1	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR548090	1200-1600	1,575	208/230-1-60	58-90	300	35.3	50
RTU-2	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR536060	900-1200	800	208/230-1-60	39-60	175	26.3	40
RTU-3	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR560090	1200-1750	1,440	208/230-1-60	58-90	225	44.8	60
RTU-4	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR548090	1200-1600	1,150	208/230-1-60	58-90	320	35.3	50
RTU-5	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR536060	900-1200	850	208/230-1-60	39-60	225	26.3	40
RTU-6	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR560090	1200-1750	1,325	208/230-1-60	58-90	325	44.8	60
RTU-7	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR536060	900-1200	825	208/230-1-60	39-60	200	26.3	40
RTU-8	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR560090	1200-1750	1,250	208/230-1-60	58-90	400	44.8	60
RTU-9	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR548090	1200-1600	800	208/230-1-60	58-90	300	35.3	50
RTU-10	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR536060	900-1200	750	208/230-1-60	39-60	200	26.3	40
RTU-13	HEIL RGH PACKAGE UNIT GAS HEAT, 12 EER, 2 STAGE COOLING RGH090, 2 SPEED FAN MOTOR	1673-3750	1,800	208/230-3-60	125-224	500	39	50
RTU-14a	HEIL RGS PACKAGE UNIT GAS HEAT, 12 EER, 2 STAGE COOLING RGH150, 2 SPEED FAN MOTOR	2789-5000	2,700	208/230-3-60	180-250	600	57	70
RTU-14b	HEIL RGS PACKAGE UNIT NO HEAT, 11 EER, 2 STAGE COOLING RGH150, 2 SPEED FAN MOTOR	2789-5000	2,700	208/230-3-60	180-250	600	57	70
RTU-15	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR560090	1200-1750	1,200	208/230-1-60	58-90	400	44.8	60
CU-11	TEMPSTAR, TVA9, 19 SEER OUTDOOR UNIT TVA960GKA, 60,000 BTU/HR			208/230, 1/60			40	60
CU-12	TEMPSTAR, TVA9, 19 SEER OUTDOOR UNIT TVA936GKA, 36,000 BTU/HR			208/230, 1/60			24.2	40
F-11	TEMPSTAR, F96VTN, GAS FURNACE HORIZONTAL UNIT, 96% VARIABLE FLOW F96VTN0801716A, 80,000 BTU/HR	360-1655	1,675	120/1/60	50-78	100	13.4	15
F-12	TEMPSTAR, F96VTN, GAS FURNACE Horizontal Unit, 96% Variable flow F96VTN0401410, 40,000 btu/hr	445-1030	750	120/1/60	26-40	175	9.7	15

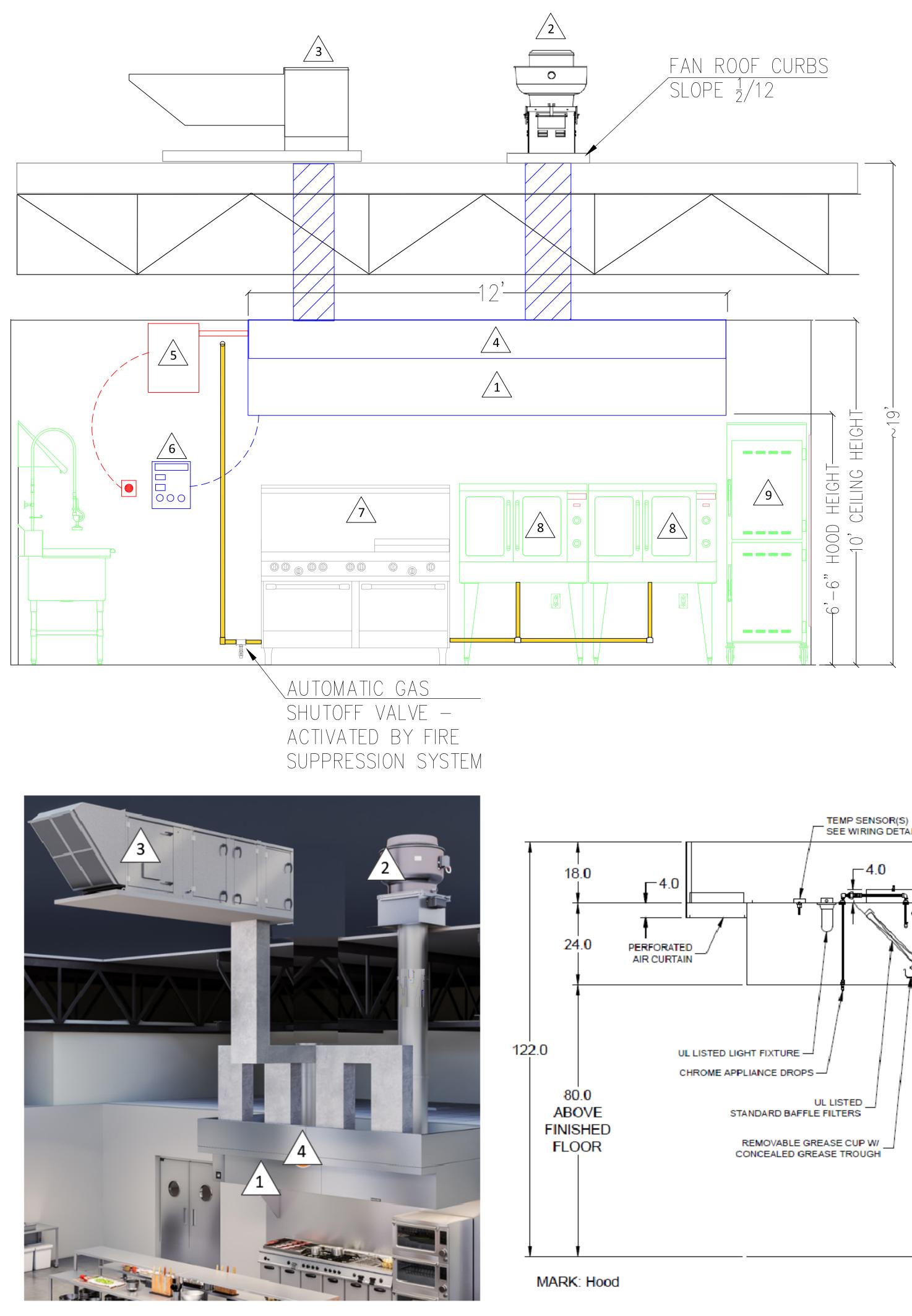
## All equipment specified, or equivalents, should be used. ΕΥΗΔΙΙΩΤ ΕΔΝΩ

		CFM	SP	VOLTAGE	FLA	WATTS	
EF-1	BROAN AE50	50	0.100	115V/1PH/60HZ	0.2	23	(4" duct)
EF-2	BROAN AE50	50	0.100	115V/1PH/60HZ	0.2	23	(4" duct)
EF-3	BROAN AE50	50	0.100	115V/1PH/60HZ	0.2	23	(4" duct)
EF-4	BROAN AE50	50	0.100	115V/1PH/60HZ	0.2	23	(4" duct)
EF-5	BROAN L200	200	0.100	115V/1PH/60HZ	1.8	127	(4" duct)
EF-6	BROAN L300	300	0.100	115V/1PH/60HZ	2.6	212	(8" duct)
EF-7	BROAN AE50	50	0.100	115V/1PH/60HZ	0.2	23	(8" duct)
EF-8	BROAN AE50	50	0.100	115V/1PH/60HZ	0.2	23	(4" duct)
EF-9	BROAN AE50	50	0.100	115V/1PH/60HZ	0.2	23	(4" duct)



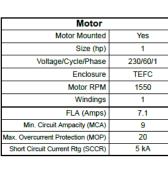
AX CKT	NOM	PGR5	COMMERCIAL RGH 036-150 Product Specifications	ELECTRICAL DATA (cont) RGH036-150 MCA MOCP ELECTRICAL DATA (cont)	
50	TONS 4	UP to 16 SEER, UP to 12.5 EER, PACKAGE GAS / ELECTRIC UNIT, 2 to 5 TONS 208/230 Volt, 1-phase, 60 Hz	HIGH-EFFICIENCY PACKAGE GAS HEATING/ ELECTRIC COOLING, R-410A SINGLE PACK- AGE ROOFTOP 3 TO 12.5 TONS [1 and 3-Phase]	Norm         TO         CONSTRUCT OUT_TO QUE QUE	
40	3	208/230 Volt, 3-phase, 60 Hz REFRIGERATION CIRCUIT Environmentaly sourd R-140 Artifigrant • Copper tubelalumium fin condenser and exportor colls • Tim- cotad copper expactor coll standard (single-phase only) • Timo stage scrol compressors stardard on all models	BUILT TO LAST, EASY TO INSTALL AND SERVICE R-410A HFC refrigerant ASHRAE 90.1-2013 compliant and ENERGY STAR* qualified Single-stage cooling capacity control on all 036-072 models Two-stage cooling capacity control on 072-150 models Reded in accordance with AHRI Standard 210/240 [036-060 sizes] and 340/360 [072-150 sizes]	460-30         MED         17         20         16         166         168         28         18         108         10         2         10         12           HOH         19         25         19         164         21         24         21         216         21         25         26         25         26         25         26         25         26         25         26         25         26         26         26         26         26         26         26         26         26	
60	5	EASY TO INSTALL AND SERVICE • Installs easily on a roothop or al ground level • Easy three-panel accessibility for maintenance and installation • Easily converts to down discharge applications • Combination thre-stage gas heating and electric cooling • Low WOx units available BUILT TO LAST • Hail guard (38" spacing) wire grilles standard	Designed in accordance with Underwriters' Laboratories Standard 1995     Listed by UL and UL, Canada or ETL, ETL Canada     Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62     Standard, sloping design; side or center drain     Gas efficiencies up to 82% <sup>1</sup> Induced draft combustion     Redundant gas valve, with 1 or 2 stages of heating     Redundant gas valve, with 1 or 2 stages of heating	51-540         510         11         15         10         060         10         20         10         13         15         12         600         11           140         142         15         12         15         12         16         16         16         14         22         14         21         14         21         14         21         14         21         14         21         14         21         14         21         14         21         14         21         14         21         14         21         14         21         14         21         14         10         14         10         14         10         14         10         14         10         14         10         14         16         16         14         14         10         16         14         16         14         16         14         14         16         16         14         16         16         14         16         16         14         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16	
50	4	Induced-draft combustion and verting     High efficiency ECM blower motor on all models     Prog-atting stele chainer     Direct spark ignition     Stainless Site tubular has exchanger standard     Vertical condenser fan discharge     Full perimeter steel base rails     Crankcase heaters on selet models	Pre-painted exterior panels and primēr-coated interior panels tested to 500 hours salt spray protection     TXV refrigerant metering device on each circuit.     Exclusive IGC (Integrated Gas Controller) solid-state control for on-board diagnostics with LED error code designation, burner control logic, energy saving indoor fan motor delay, and anti-cycle protection for gas heat operation     ' Low NOX" models available that meet California Air Quality Management NOx requirements and include stainless steel heat exchangers	HOH         21         25         22         120         23         25         24         131         23         25         24         131         23         25         24         131         23         25         24         131         23         25         24         131         23         25         24         131         23         25         24         131         23         25         24         131         23         25         24         131         23         25         24         131         23         25         24         131         23         25         24         131         23         25         24         131         23         25         24         131         23         25         24         131         23         24         131         23         25         24         141         141         141         24         23         24         23         24         23         24         23         24         23         23         23         24         23         24         25         24         24         24         25         24         24         24         25         24         24         24	
40	3	High and low pressure switches provide added reliability for the compressor     WORRANTY*     S year No Hasale Replacement limited warranty     Lifetime that acchange intentiod warranty     S year parts limited warranty (including compressor and colis)     -With Intenti Vergretartion, and additional S year parts limited warranty     residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.	<ul> <li>Cooling operating range from 35°F up to 125°F. 110 size model standard cooling operation down to 0°F [-18°C]</li> <li>Access panels with easy grip handles and no-strip screw feature</li> <li>Two-inch disposable return air filters</li> <li>Tool-less filter access door</li> <li>Belt drive evaporator-fan motor and pulley combinations available on all three-phase models</li> <li>Direct Drive x13 (5 speed/torque) motor on 036 to 060 models</li> <li>Central terminal board for simple safety circuit troubleshooting and control box arrangement</li> </ul>	STD         14         15         14         77         18         20         19         81         16         20         15         78           575-340         MED         14         20         15         81         18         20         19         85         16         20         17         83         20           575-340         MED         44         20         15         85         18         82         20         19         85         16         20         17         83         20           15TD         40         00         51         27         53         00         55         261         14         60         15         221         57         30         80         70         62         317         59         70         33         38         63         20         666         57         315         640         57         53         620         1666         52         164         170         6062         20         666         51         17         30         261         1707         642         153         20         666         153         216         170         30         20	
60	5	UNIT PERFORMANCE DATA           INC Capacity BTUIN Model Number         Input BTUIN High Stage         Gene 2000         Operating Weight High Stage         Operating High Low         Operating High Stage         Operating High Low         Operating High Low <th cols<="" td=""><td><ul> <li>Field convertible from vertical to horizontal airflow on all models. No special kit required on 036-120 models. Supply duct kit required for 150 size model only.</li> <li>Provisions for thru-the-bottom power entry capability single point gas and electric connections</li> <li>Full perimeter base rail with built-in rigging adapters and fork truck slots</li> <li>Scroll compressors with internal line-break overload protection</li> <li>Copper tube, aluminum fin coils</li> <li>24-volt control circuit protected with resettable circuit breaker</li> <li>Permainently lubricated evaporator-fan motor</li> </ul></td><td>NO.00         Fill         <t< td=""></t<></td></th>	<td><ul> <li>Field convertible from vertical to horizontal airflow on all models. No special kit required on 036-120 models. Supply duct kit required for 150 size model only.</li> <li>Provisions for thru-the-bottom power entry capability single point gas and electric connections</li> <li>Full perimeter base rail with built-in rigging adapters and fork truck slots</li> <li>Scroll compressors with internal line-break overload protection</li> <li>Copper tube, aluminum fin coils</li> <li>24-volt control circuit protected with resettable circuit breaker</li> <li>Permainently lubricated evaporator-fan motor</li> </ul></td> <td>NO.00         Fill         <t< td=""></t<></td>	<ul> <li>Field convertible from vertical to horizontal airflow on all models. No special kit required on 036-120 models. Supply duct kit required for 150 size model only.</li> <li>Provisions for thru-the-bottom power entry capability single point gas and electric connections</li> <li>Full perimeter base rail with built-in rigging adapters and fork truck slots</li> <li>Scroll compressors with internal line-break overload protection</li> <li>Copper tube, aluminum fin coils</li> <li>24-volt control circuit protected with resettable circuit breaker</li> <li>Permainently lubricated evaporator-fan motor</li> </ul>	NO.00         Fill         Fill <t< td=""></t<>
40	3	PGR530060***         22,000         15.0         12.0         60,00039,000         78.6         (121 × 1194 × 799)         376 (170)           PGR53060***         35,400         16.0         12.5         60,00039,000         78.6         44-34 × 47 × 42-15/16         463 [210]           PGR53060***         35,400         16.0         12.5         60,00039,000         78.6         44-34 × 47 × 42-15/16         463 [210]           PGR542060***         42,000         16.0         12.5         60,00039,000         78.6         44-34 × 47 × 42-15/16         463 [210]           PGR542060***         42,000         16.0         12.5         90,0008,55.00         79.2         (1137 × 1194 × 1091)         463 [210]           PGR54080***         47,500         16.0         12.3         90,0008,55.00         79.2         (1137 × 1194 × 1091)         463 [210]           PGR54080***         47,500         16.0         12.3         90,0008,55.00         79.2         (1137 × 1194 × 1091)         463 [210]           PGR54080****         47,500         16.0         12.3         90,0008,55.00         79.2         (1137 × 1194 × 47 × 42-15/16         463 [210]           PGR54080****         47,500         16.0         12.3         115,0007,5000         80.1	<ul> <li>Permanently lubricated, totally enclosed, shaft down condenser motors Low-pressure, freeze protection, and high-pressure switches</li> <li>Solid-state electronic direct spark ignition system</li> <li>Liquid line filter direit</li> <li>WARRANTY</li> <li>15 Year limited warranty on optional stainless steel heat exchanger</li> <li>10 Year limited warranty on advinized heat exchanger</li> </ul>	2062/33-340 MED 53 660 564 538 57 70 66 342 68 70 61 434 56 H6U7 4565 6006 0.964 240 6007 707 6463 344 1607 707 6464 344 440 707 6403 441 1607 707 6454 344 1607 707 6454 344 1607 707 6454 344 1407 707 6403 441 1607 707 6453 441 1607 707 6454 344 1607 707 6454 144 1607 707 6454 144 1607 707 6454 144 140 640-340 MED 53 64 157 164 24 55 50 24 157 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 137 24 50 27 134 120 24 50 20 127 134 120 127 157 140 120 140 140 140 140 140 140 140 140 140 14	
60	5	PGR560130****         47,500         16.0         12.3         130,00049,500         80.0         481 (218)           PGR560150****         57,000         16.0         12.3         100,00048,500         79.2         500 (231)           PGR560130****         57,000         16.0         12.3         115,00075,000         80.1         (1340 x 1194 x 47 x 42-15/16         509 (231)           PGR560130***         57,000         16.0         12.3         130,00084,500         80.0         (1340 x 1194 x 109!)         509 (231)           UNIT SPECIFICATIONS         UNIT SPECIFICATIONS         509 (231)         509 (231)         509 (231)	Volar Immediates and the life of the event of the life of the event of the event of the event of the life of the life of the life of the event of the life of the event of the life of the event of the life	205233-66         BED         607         77         62         37         63         80         67         374         64         80         66         375         64           HOH         664         808         706         80         707         87         77         800         77         374         77         381         77         980         77         380         78         800         76         381         77         381         77         381         77         381         77         381         77         381         77         381         77         381         77         381         77         381         77         381         77         381         77         381         77         381         77         381         77         381         77         381         78         381         78         381         78         381         78         381         78         381         78         381         78         381         78         381         78         381         78         381         78         381         78         381         78         381         78         381         78         381	
50	4	UNIT SIZE         24040         24060         30060         30060         30060         42060         42080           NONINAL CAPACITY (bor)         2         2         2-1/2         3         3         3-1/2         3-1/2           SHIPPING WEIGHT** Ib.         352         352         359         455         465         455         455           SHIPPING WEIGHT** (b)         160         163         163         208         206         206         206           COMPRESSORS	RGH073**XA0AAA         6         72,000         N/A         12.00         72,000-150,000         80-82         411/4, x 591/3, x 891/, 1048 x 151 0 x 2238)         (347)           RGH090**XA0AAA         7.5         89,000         N/A         12.00         125,00-224,000         82         499/3, x 599/3, x 891/a         925           RGH102**XA0AAA         8.5         97,000         N/A         12.00         125,00-224,000         82         499/4, x 599/3, x 891/a         925           RGH102**XA0AAA         8.5         97,000         N/A         12.00         125,00-224,000         82         499/4, x 591/a, x 891/a         925           RGH10***XA0AAAA         10         111.000         N/A         12.00         180,000-250,000         80-82         499/4, x 591/a, x 891/a, x 891/	INDIA         C2         23         141         24         20         25         15         23         141         28         28         151         23           LEGEND         DD-STD         Direct Dive Standard         *         RGH405-RGH4072         One Stage Cooling           PUD-STD         Direct Dive Standard         *         RGH405-RGH4072         One Stage Cooling           FL         -         Hold-Keit Program         FM Motor         RGH407-RGH102         One Stage Cooling           FLGH-HE         +         Hold-Keit Program         FM Motor         RGH407-RGH102         One Stage Cooling           FLGH-HE         +         Hold-Heit Program         FM Motor         RGH407-RGH102         One Stage Cooling           FLGH-HE         +         Hold-Heit Program         FM Motor         NOTE: Refer to Selection Software for additional elect           LIGH-HE         -         Locater Right Program         FM         PORTOR         PORTOR           PE         -         Powered Fhorn Unit         FMOHT         Powered From Unit         FMOHT	
40	3	OUTDOOR COIL         1.21         1.21         2.21	RGH120*1XA0AAA         10         115.000         N/A         11.50         180.000-250,000         80-82         499/x 591/x 581/x 581/x 1090         1080           RGH150*1XA0AAA         12.5         146,000         N/A         12.20         150,000-240,000         80-81         677/x 1633/x 1157/x         1430           RGH150*1XA0AAA         12.5         146,000         N/A         12.20         150,000-240,000         80-81         677/x 1633/x 2194/2         (649)	CAPACITY RATINGS (cont) MINIMUM - MAXIMUM AIRFLOW RATINGS (CFM) — NATURAL GAS AND PROPANE VOLTAGE RGH HEAT LEVEL MINIMUM AIRFLOW RATINGS (CFM) — NATURAL GAS AND PROPANE VOLTAGE RGH HEAT LEVEL MINIMUM AIRFLOW RATINGS (CFM) — NATURAL GAS AND PROPANE MINIMUM MINIMUM AIRFLOW RATINGS (CFM) — NATURAL GAS AND PROPANE	
50	7.5	Prover_Fravin.         317		UCW         900	
70	12.5	Programe Gais         Programe Gais         Programe Gais         Programe Gais         Solid - 11         Solid - 12		LOW         990          1500         1010           HIGH         900          1500         1010           LOW          2000         1330           048         MED         1200           2000         1330           LOW           2000         1330         1390         1390           060         MED         1500           2500         1330           HIGH         1500           2500         1330	
70	12.5	ONIMINAL CAPACITY (bon)         4         4         4         5         5           SHIPPIKG WEIGHT Ib         500 </td <td></td> <td>Down P12, 073         LOW HIGH         1800         1800         1200         990 100         1330           Three Phase         060         MED         2250         2535         1673         3750         2200 2210           HIGH         100         2250         2535         1673         3750         2100 2270           HIGH         2550         2550         1683         4250         2160           HIGH         2550         2550         1683         4250         2100</td>		Down P12, 073         LOW HIGH         1800         1800         1200         990 100         1330           Three Phase         060         MED         2250         2535         1673         3750         2200 2210           HIGH         100         2250         2535         1673         3750         2100 2270           HIGH         2550         2550         1683         4250         2160           HIGH         2550         2550         1683         4250         2100	
60	5	OUTDOOR COIL         221         2		LOW HIGH         3000 HIGH         3380 3380         2231 2231         5000 2270         1900 200 2270           LOW HIGH         3000         3380         2231         5000         2850           LOW HIGH         3000         3380         2231         5000         2850           LOW HIGH         160         3750         4225         2789         6250         2450           150         MED         3750         4225         2789         6250         2450	
		INDOOR         RLOWER         1200	SPIRAL DUCTWORK	SPECS	
60	5	Natural Cas (Factory Installed)         338         333         331         338         333           MGN-RESURE SWTCH (ging CA-MERSURE SWTCH (ging CA-MERSURE SWTCH (ping) cad-vol Reset (Jaid)         351         361         362           USS-OF-CRARGE [UNO-RESSURE SWTCH (ping) cad-vol Reset (Jaid)         30 +.7	Conklin Metal Industries - Littl 6001 Lindsey Rd, Little Rock, AR		
40	3	UNIT         NOMINAL         VOLTAGE RANGE         COMPRESSOR         OFM         IPM         IDM         POWER SUPPLY           24040/24000         268/2501-460         177         253         11.7         55.3         0.7         4.1         2.11         10.4         30           30040/30000         268/2501-460         197         253         13.1         75.0         1.2         4.1         2.11         21.1         30           9000/30000         268/2501-460         197         253         13.1         73.0         1.2         4.1         2.11         21.1         30           9000/30000         268/2501-460         197         253         15.3         85.0         1.2         4.1         2.11         21.1         30           9000/30000         268/2501-460         197         253         13.5         12.2         6.0         2.1         16.5         4.0           9000/30000         268/2501-400         197         253         11.7         75.0         1.2         6.0         2.1         21.7         30           90000/30000         268/2501-400         197         253         11.7         75.0         12.2         6.0         2.1         29	72206	IBc•	
15	5	42000         208/230-340         197         253         14.2         88.0         1.2         6.0         2.1         25.0         35           40000         208/230-160         197         253         21.2         104.0         1.2         7.6         21         35.3         50           48115         208/230-160         197         253         21.2         104.0         1.2         7.6         50         35.3         50           48116         208/230-160         197         253         21.2         104.0         1.2         7.6         50         35.3         50           48060	Johns Manville Spiraco	nsulation ustic Plus™ Liner System Eastern Sheet Metal	
15	3	60130         50           600900         197         253         16.2         110.0         1.2         7.6         50         29.1         40           60130         208/230-3-60         197         253         16.2         110.0         1.2         7.6         50         29.1         40	Description Spiracoustic Plus™ duct liner, bonded with a tharmosetting resin, is specifically engineered to provide very high acoustical and thermal performance in round air ducts of virtually any size. Based on high- density fiber glass board technology, Spiracoustic Plus duct liner has	SINGLE-WALL F Positive Pressure Gauge selection for and Eastern Polyvin	
		TYPICAL DIFFUSERS & RE	TURNS       factory-made, evenly spaced karfs to allow the material to conform to the inside diameter of round air ducts. The airstream surface and transverse edges are protected with JM's factory-applied proprietary black Permacote* acrylic coating.         Johns Manville provides the finishing touches to Spiracoustic Plus round duct insulation with SuperSeal* coating provide airstream acrylic coating are air-dyning versions of the factory-applied airstream	Fittings are spot welde PCS fittings. All fitting larger is corrugated ur when ordering. All spi DUCT DIAMETER	
	<u>          </u>	Square Ceiling Diffusers	diffusers Coating designed for fabrication and repair use. SuperSeal products help retain all the performance characteristics engineered into Spiracoustic Plus duct liner. Coat Effective Operating temperature (max.) – ASTM C411 250°F(121°C) costly double-	3"-6"           7"-8"           9"-10"           11"-12"           11"-12"           15"-16"           15"-16"           Wall configuration in round air ducts.           25"-26"	
		<ul> <li>Titus Models TMS and TMS-AA square ceiling diffusers deliver supply air in a true 360° pattern. Designed to protect ceilings from streaking and smudging.</li> <li>Excellent performance in variable air volume systems. The uniform, nearly horizontal jet from the outer cone maintains effective room</li> </ul>	Air velocity (max) – ASTM C1071 6000 fpm (30.5 m/sec.) Fungi resistance – ASTM 01338 Does not breed or promote Ungi resistance – ASTM 621 No growth Bacteria resistance – ASTM 622 No growth Standard Thicknesses and Packaging* Spiracoustic Plus duct liner is available in cartons or on pallets in Will Not Suppo	or Building Environment. Improves indoor environmental bing to control both temperature and sound. Ust and Dirt. The tough, acrylic polymer Permacote guard against the incursion of dust or dirt into the imizing the potential for biological growth. Ort Microbial Growth. Permacote coating is formulated Dired, EPA-registered agent to protect the coating	
		air distribution even when the air volume varies over a considerable range. • All sizes have three cones, giving a uniform appearance where different neck sizes are used in the same area • Screwdriver adjustment of the optional damper is achieved without	several size configurations. This packaging configuration applies to all product types: VSD (very small diameter), SD (small diameter) and LD (large diameter). <u>Description</u> <u>Thickness</u> <u>Sheet Size</u> minimized with VSD, SD, LD <u>1</u> <u>48 x 120 x 1</u> <u>1219 x 3048 x 25</u>	growth of fungi and bacteria. Eastern Sheet Meta any type of surface, microbial growth may occur in duct system dir, given certain conditions. This risk is h proper design, filtration, maintenance and operation system.	
		removing the inner cone. (See Step 2 in Adjusting Optional Damper, Removing Center Core diagram on page 111) • Quick removal of the inner cone with a hex key. (See Step 3 in Adjusting Optional Damper, Removing Center Core diagram on page 111) • All cones are die-stamped, one piece construction. Smooth, clean	IMS / IMS-AA TRAFERE packaging on back side. Surface Burning Characteristics Spiracoustic Plus duct liner meets the Surface Burning Characteristics Public Characteristic	Minimice         Conductance         SPIRAL DUCT           hreft <sup>wir</sup> F/Btu m <sup>wir</sup> CW         Btu/ftreft <sup>wir</sup> F)         W/m <sup>wir</sup> C         SPIRAL DUCT           1.3         0.76         0.23         1.31         J.4           1.4         1.13         0.16         0.91           3.4         1.12         0.88         0.72           wheth ASTM CS18 at 75* (24°C) mean temperature.         0.91         0.91	
)		surfaces with no corner joints.	UL 723     Maximum Frame Spread mack     25     Maximum Smoke Developed Index     50     Thickness     VFPA 50A and 30B     NFPA 259     NFPA 259     NFPA 259     VFPA 25	Data         Coefficients (Type "A" Mounting)         Dr           Sound Absorption Coefficient at Frequency         Cycles per Second) of         V           C22         S50         500         1000         2000         4000         NRC           D10         0.21         0.71         1.01         1.07         1.09         0.75         1           D10         0.39         0.21         0.10         1.04         0.00         0.85         1           D10         0.53         1.10         1.09         1.06         0.95         1         1	
)		300 / 350 Return Grilles (continued) 300 / 3 350 (FL-FS / ZFL-ZFS) 350FL	UL labels supplied on packages when requested on order.         Green Building           Specification Compliance         GREENGUARD           - ASTM C1071, Type II         for residential.           - ASTMAC 52         certification gASHR	certification is not intended     environments. Instead, the     intended only for buildings     AE 621-2070 commercial	
		Great for areas with high humidity or subject to moisture     %" blade spacing     35° fixed deflection     Reinforced corners	NAIMA Fiber Glass Duct Liner Installation Standard is proof that th     GREENGUARD	e product meets the Provide th	
		Blades parallel to the long dimension     MRI compatible <u>350FS     Same as 350FL with blades parallel to the short dimension     350 (FL /FS)     </u>	350 (ZFL / ZFS)	HVAC-444 1/14 (Replaces 11/10)	
		350ZFL       • Great for areas with high humidity or subject to moisture       350ZFS         • ¾" blade spacing       • Same as 350ZFL with front blades parallel to         • 0° fixed deflection       • Reinforced corners	Product         Metal Just 10         P           Type         Description         mm         m           VSD         Very Small Diameter*         8 (min) to 16         203 (min) to 406         6           SD         Small Diameter         18 (min) to 30         457 (min) to 762         1	inished ID n mm (min) to 14 152 (min) to 356 6 (min) to 28 406 (min) to 711 9 (min) & up	
		Blades parallel to the long dimension     MRI compatible	Thickness: 1½" (38 mm)         Metal Duct ID         F           Product         in         mm         in           Type         Description         in         mm         in           VSD         Very Small Diameter*         12 (min) to 20         305 (min) to 508         559 (min) to 396         559 (min) to 396	inished ID n mm (min) to 17 229 (min) to 432 9 (min) to 35 483 (min) to 889 17 (min) & up 940 (min) & up	
			Thickness: 2* (51 mm) Product         Metal Duct ID         mm         m           ' 350 grilles         Type         Description         in         mm         iii           VSD         Very Small Diameter*         14 (min) to 24         356 (min) to 510         1           SD         Small Diameter**         26 (min) to 58         660 (min) to 1473         2	inished ID         mm           0 (min) to 20         254 (min) to 508           2 (min) to 54         559 (min) to 1372           9 (min) & 59         1270 (min) & up	
		355 (RL-RS / ZRL-ZRS) 355RL • ½" blade spacing • 35° fixed deflection	Lorge Unameter     Sa (min) & Up     Sa (mi	allation. nust be shed for "slip-fit" installation.	
		Reinforced corners     Blades parallel to the long dimension      355RS     Same as 355RL with blades parallel to the short dimension	Sitests         Sitests/carton         Sitests/carton           Pallets         48 sheets/pallet         1920           Thickness: 1½" (38 mm)         Steets         Square Feet           Cartons         4 sheets/carton         160	Square Meter	
		355ZRL	Pallets     32 sheets/pallet     1280       Thickness: 2" (51 mm)       Cartons     Sheets     Square Feet       Cartons     3 sheets/carton     120       Pallets     24 sheets/pallet     960	119 Square Meter 11.1 89	
		<ul> <li>Blades parallel to the long dimension</li> <li>3552RS</li> <li>Same as 355ZRL with front blades parallel to the short dimension</li> </ul>	designed, manufactur certified and registere series quality standard	ercial and industrial insulation products are ed and tested in our own facilities, which are d to stringent 100 9000 (ANS/LSACE 90) ds. This certification, along with regular,	
		Logn         Find & Rep           About         Products         Green Buildings         Software         Literature         Titus University         Digital I           Products         Grilles         272FL           272FL         272FL	Catalog Search independent third-part that Johns Manville pr Media Resources Contact North American Sales Offices, The physical and chemica	ty auditing for compliance, is your assurance oducts deliver consistent high quality. BE/SE PRESSED REDUCER PA BE/SE REDUCER I properties of the Spiracoustic Plus <sup>W</sup> Round rein represent typical, everage values obtained	
		Aluminum Aeroblade Double Deflection Supply Grille, 3/4" blade spacing, Front Blades Par Dimension The 271 and 272 Commercial Series grilles are designed for commercial applica grilles minimizes pressure loss and noise levels.	rallel to Long Lines of Lines of Lines Marville Lines (1419) 784-7866 Eastern Region Package Lines (1419) 784-7866 Eastern Region P.O. Box 158 Definance, 0H 43512 (800) 324-239 Fax: (419) 784-7866 Fax: (419	ated test methods and are subject to normal They are supplied as a technical service and out notice. Numerical flame spread and smoke at intended to reflect hazards presented by Is under actual fire conditions. Check with the esty out onesure current information. All Johns	
		EADORES AND BENEFITS     EADORES AND BENEFITS     Acrodynamically shaped blades are individually adjustable     Acrodynamically shaped blades are individually adjustable     Colonial apposed blade damper has screwing individually adjustable     Acrodynamically shaped blades are individually adjustable     Alfords have yethoded adjus	Uenver, CU 80202 Denver, CO 80217 For a copy of the Johns 1-800-654-3103 (800) 368-4431 Limited Warranty and Lim	d subject to Johns Manville's standard Terms Limited Warranty and Limitation of Remedy. Is Manville standard Terms and Conditions, nitation of Remedy and information on other sulation and systems, call (800) 654-3103.	

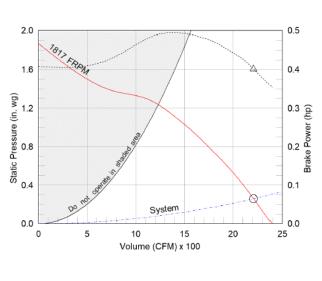




	QUIF			I	
TEM					TEM
NO. QTY	.	TEM DESCRIPTI	ON	REI	MARKS
1 1	SST EXHA	UST HOOD SYST	EM		
2 1		DUNTED EXHAUS			
3 1					
4 1		TAIN SUPPLY PLE			
5 1		PRESSION SYSTE			
6 1		YSTEM CONTROL	S		
7 1	HD RANC	•			
8 2		TION OVEN, GAS			
9 1	HEATED	HOLDING CABINE	T		
ITEM	N	MAKE-MODEL	CFM	SP	VOLT
EXHAUST E		-15	<b>CFM</b> 2,760 2,208	<b>SP</b> 1.1 0.26	<b>VOLT</b> 230V/1F 230V/1F
EXHAUST EX SUPPLY R	XCUBE-180 KIF-12-M2-\ J R E X	-15	2,760	1.1	230V/1F 230V/1F
EXHAUST EX SUPPLY R	XCUBE-180 KIF-12-M2-\ J R E X	All - Exhaust Only Wall Canopy	2,760	1.1	230V/1F 230V/1F Amerex KF
EXHAUST EX SUPPLY R SUPPLY R SUPPLY R ACCL XBEW Type Model Hood Length (in.) XBEW 144	XCUBE-180 KIF-12-M2-V JREX <sup>®</sup> 1, Baffle Filter Single Wa Width (in.) 54 54	)-15 VG all - Exhaust Only Wall Canopy Height (in.) Exhaust	2,760 2,208	1.1	230V/1F 230V/1F
EXHAUST EX SUPPLY R SUPPLY R ACCU XBEW Type Model Hood Length (in.) XBEW 144 Selected Options & Access Option or Accessory Ceiling Height 120	XCUBE-180 KIF-12-M2-V JREX <sup>®</sup> 1, Baffle Filter Single Wa Width (in.) 54 54	All - Exhaust Only Wall Canopy Height (in.) Exhaust Volume (CFM) 24 24 2760 Material: 430 SS Where UL Listing: UL 710 w/out	2,760           2,208             Exhaust SP (in. w.g.)         Double Island           0.606         No   Exposed	1.1	230V/1F 230V/1F 230V/1F Amerex KF Scope: Pre-Pipe With Pa Hood Fire Suppi Detection Type Coverage
EXHAUST EX SUPPLY R SUPPLY R SUPPLY R ACCU XBEW Type Model Hood Length (in.) XBEW 144 Selected Options & Access Option or Accessory Ceiling Height 120 Integral Air Space Fac Ceiling Enclosures 18 ii Fitter Type Stai Backsplash Panel 80 ii	XCUBE-180 KIF-12-M2- VREX JREX JREX , Baffle Filter Single Wa width (in.) 54 54 sories: Description in. off Finished Floor. tory Mounted on Back - 3" wide n. High on Left Front Right nless Steel Baffle Filters 40 lbs h High 144 in Long 0 in Wide 12	P-15 VG all - Exhaust Only Wall Canopy Height (in.) Exhaust Volume (CFM) 24 24 2760 Material: 430 SS Where UL Listing: UL 710 w/out Features: Performance Enhancing I Standing Seam Construct Stainless Steel Finish for	2,760       2,208         Exhaust SP (in. w.g.)     Double Island       0.606     No   Exposed tExhaust Fire Damper Lip (PEL)	1.1	230V/1F 230V/1F AC Amerex KF Scope: Pre-Pipe With Pa Hood Fire Suppr Detection Type
XHAUST       EXACUST         SUPPLY       R         SUPPLY       R         SUPPLY       R         Selected Options & Access       Nodel         Model       Hood         Length (in.)       XBEW         XBEW       144         Selected Options & Access       Option or Accessory         Ceiling Height       120         Integral Air Space       Fac         Ceiling Enclosures       18 is         Filter Type       Stail         Backsplash Panel       80 is         Left Sidesplash       120         Right Sidesplash       120         Additional Divider Bar       For	XCUBE-180 KIF-12-M2- VREX UREX UREX 1, Baffle Filter Single Wa Width (in.) 54 54 socries: Description in. off Finished Floor. tory Mounted on Back - 3" wide n. High on Left Front Right nless Steel Baffle Filters 40 lbs	Height (in.)       Exhaust Volume (CFM)         Front       Back       Volume (CFM)         24       24       2760         Material: 430 SS Where UL Listing: UL 710 w/out       Features: Performance Enhancing I Standing Seam Construct Staning Standing St	Exhaust SP (in. w.g.)     Double Island       0.606     No	1.1	230V/1F 230V/1F 230V/1F AC Amerex KF Scope: Pre-Pipe With Pa Hood Fire Suppr Detection Type Coverage Hood Mark(s) Co Mounting Locatio
EXHAUST       EXACUST         SUPPLY       R         SUPPLY       R         Image: Supply and the second	XCUBE-180 KIF-12-M2- VREX JREX , Baffle Filter Single Wa width (in.) 54 54 sories: Description in. off Finished Floor. tory Mounted on Back - 3" wide h. High on Left Front Right nless Steel Baffle Filters 40 lbs h High 144 in Long 0 in Wide 23 in High 18 in Long 0 in Wide 23 In High 18 in Long 0 in Wide 23 In High 18 in Long 0 in Wide 23 Backsplash 84 in Qty 2	Height (in.)       Exhaust Volume (CFM)         Front       Back       (CFM)         24       24       2760         Material: 430 SS Where UL Listing: UL 710 w/out       Stanling Seam Construct         36 lbs       Performance Enhancing IL         36 lbs       Performance Enhancing IL         Standing Seam Construct       Stanless Steel Finish for         Hood End Conditions:       Back Wall - Limited Comb	2,760       2,208       Exhaust SP (in. w.g.)     Double Island       0.606     No       Exposed t Exhaust Fire Damper       Lip (PEL) tion for Superior Strength Higher Corrosion Resistance       pustible       Foot Candles	1.1 0.26	230V/1F 230V/1F 230V/1F AC Amerex KF Scope: Pre-Pipe With Pa Hood Fire Suppr Detection Type Coverage Hood Mark(s) Co Mounting Locatio System Size Flow Points
XHAUST       EXACUST         SUPPLY       R         SUPPLY       R         SUPPLY       R         Selected Options & Access       Note         Note       Hood         Length (in.)       XBEW         XBEW       144         Selected Options & Access       Option or Accessory         Ceiling Height       120         Integral Air Space       Fac         Ceiling Height       120         Integral Air Space       Fac         Ceiling Height       120         Additional Divider Bar       For         Section Data:       Exhaust Collar Data:         Length       Volume       Exhaust Collar Data:         Collar       Collar Size (LXW) in. or Diameter (in.)       or Diameter (in.)	XCUBE-180         KIF-12-M2-N         JREX*         JRES*         1, Baffle Filter Single Wath (in.)         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         55         Description         in. off Finished Floor.         tory Mounted on Back - 3" wide         n. High on Left Front Right         nHess Steel Baffle Filters 40 lbs         n High 144 in Long 0 in Wide 23         in High 18 in Long 0 in Wide 23         Backsplash 84 in Qty 2         Sp       Filter Qty         W       W         0.606       4         4       20	Image: system	Exhaust SP (in. w.g.)     Double Island       0.606     No       Exposed t Exhaust Fire Damper       Lip (PEL) tion for Superior Strength Higher Corrosion Resistance       pustible       Foot Candles     Drain Location       FL     49.51	1.1 0.26	230V/1F 200V/1F 200V/1
EXHAUST       EX         SUPPLY       R         Supply       Cular         Model       Hood Length (in.)         XBEW       Type         Model       Hood Length (in.)         XBEW       144         Selected Options & Access       Option or Accessory         Ceiling Height       120         Integral Air Space       Fac         Ceiling Height       120         Right Sidesplash       120         Right Sidesplash       120         Additional Divider Bar       For         Section Data:       Exhaust Collar Data:         Collar       Collar Size (LXW) in. or Diameter (in.)         1       16         External Supply Plenum D	XCUBE-180         KIF-12-M2-N         VREX*         JREX*         JREX*         1, Baffle Filter Single Wath (in.)         54         54         54         ssories:         Description         in. off Finished Floor.         tory Mounted on Back - 3" wide         n. High on Left Front Right         nHigh 144 in Long 0 in Wide 23         in High 18 in Long 0 in Wide 23         Backsplash 84 in Qty 2         Sp       Filter Qty 16" 20" W (in.)         0.606       4       4         Pos. Off       Pos Off       Veloc (fpm         Left (in.)       Back (in.)       (fpm         72       8       197         Vata:       Supply: 2	Image: system	2,760         2,208         2,208         Exhaust SP (in. w.g.)       Double Island         0.606       No         Exposed t Exhaust Fire Damper         Lip (PEL) tion for Superior Strength Higher Corrosion Resistance         Double tion for Superior Strength Higher Corrosion Resistance         Double         FL       49.51         Left/Rig         Collar(s)         AC: 0 CFM	1.1 0.26	230V/1F 230V/1
XHAUST       EXAMPLY         SUPPLY       R         SUPPLY       R         SECOND       R         XBEW       Type         Model       Hood Length (in.)         XBEW       Type         Model       Hood Length (in.)         XBEW       144         Selected Options & Access       Option or Accessory         Ceiling Height       120         Integral Air Space       Fac         Ceiling Enclosures       18 is         Filter Type       Stai         Backsplash Panel       80 is         Left Sidesplash       120         Additional Divider Bar       For         Section Data:       Exhaust Collar Data:         Collar       Collar Size (LXW) in.         Num.       or Diameter (in.)       1         1       16         External Supply Plenum D       Plenum         Num.       Side         1       Front	XCUBE-180         KIF-12-M2-X         JREX         JRES         I, Baffle Filter Single Wath (in.)         54         54         54         54         54         54         54         54         54         54         54         54         54         54         55         Description         in. off Finished Floor.         tory Mounted on Back - 3" wide n. High on Left Front Right         n High 144 in Long 0 in Wide 23         Backsplash 84 in Qty 2         SP       Filter Qty         (in.)       16" 20" W W (in.)         0.606       4       4         0.606       4       4         2       8       197         vata:       Supply (ASP)	Image: system state system	2,760         2,208         2,208         Exhaust SP (in. w.g.)         Double Island         0.606         No         Exposed t Exhaust Fire Damper         Lip (PEL) tion for Superior Strength Higher Corrosion Resistance         pustible         FL       49.51         Collar(s)         AC: 0 CFM	1.1 0.26	230V/1F 230V/1
EXHAUST       EXAMUST         SUPPLY       R         SUPPLY       R         SUPPLY       R         Selected Options & Access       Nodel         Model       Hood         Length (in.)       XBEW         XBEW       144         Selected Options & Access       Option or Accessory         Ceiling Height       120         Integral Air Space       Fac         Ceiling Height       120         Integral Air Space       Fac         Ceiling Height       120         Additional Divider Bar       For         Section Data:       Length         Length       Volume       Exhaust Rate         (in.)       1       16         External Supply Plenum D       Plenum       Num.         Num.       Side	XCUBE-180         KIF-12-M2-X         JREX         JRES         I, Baffle Filter Single Wath (in.)         54         54         54         54         54         54         54         54         54         54         54         54         54         54         55         Description         in. off Finished Floor.         tory Mounted on Back - 3" wide n. High on Left Front Right         n High 144 in Long 0 in Wide 23         Backsplash 84 in Qty 2         SP       Filter Qty         (in.)       16" 20" W W (in.)         0.606       4       4         0.606       4       4         2       8       197         vata:       Supply (ASP)	Image: system of the system	2,760         2,208         2,208         2,208         0.606         No         Exposed t Exhaust Fire Damper         Lip (PEL) tion for Superior Strength Higher Corrosion Resistance         pustible         Collar(s)         AC: 0 CFM         SP (in. wg)         Insulated       MBD	1.1 0.26	230V/1F 230V/1
EXHAUST       EXAMPLY         SUPPLY       R         Model       Hood Length (in.)         XBEW       Type         Model       Hood Length (in.)         XBEW       144         Selected Options & Access Option or Accessory       Ceiling Height       120         Integral Air Space       Face Ceiling Enclosures       18 if         Filter Type       Stail       Backsplash       120         Ridesplash       120       R       R         Additional Divider Bar       For       Section Data:         Exhaust Collar Data:       Exhaust Collar Data:       Exhaust Collar Data:         Collar Collar Size (LXW) in. Num.       In       In         I       I       I       I         External Supply Plenum D       Plenum Num.       Air Collar Collar Data         Section       Plenum Num. <tht< td=""><td>XCUBE-180         KIF-12-M2-X         JREX         JRESS         1, Baffle Filter Single Wath (in.)         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         55         Description         in. off Finished Floor.         tory Mounted on Back - 3" wide         n. High on Left Front Right         nless Steel Baffle Filters 40 lbs         n High 144 in Long 0 in Wide 23         in High 18 in Long 0 in Wide 23         Backsplash 84 in Qty 2         Pos. Off       Pos Off         Vata:       Supply: 2         Type         wata:       Supply: 2         Type         wata:       Collar         Collar       Collar S         Num.       Shape</td><td>Image: Section of the system of the system</td><td>Exhaust SP (in. w.g.)     Double Island       0.606     No       Exposed t Exhaust Fire Damper       Lip (PEL) tion for Superior Strength Higher Corrosion Resistance       Dustible       FL     49.51       Left/Rig       AC: 0 CFM       SP (in. wg)       Insulated     MBD       0.01     No</td><td>1.1 0.26</td><td>230V/1F 230V/1</td></tht<>	XCUBE-180         KIF-12-M2-X         JREX         JRESS         1, Baffle Filter Single Wath (in.)         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         54         55         Description         in. off Finished Floor.         tory Mounted on Back - 3" wide         n. High on Left Front Right         nless Steel Baffle Filters 40 lbs         n High 144 in Long 0 in Wide 23         in High 18 in Long 0 in Wide 23         Backsplash 84 in Qty 2         Pos. Off       Pos Off         Vata:       Supply: 2         Type         wata:       Supply: 2         Type         wata:       Collar         Collar       Collar S         Num.       Shape	Image: Section of the system	Exhaust SP (in. w.g.)     Double Island       0.606     No       Exposed t Exhaust Fire Damper       Lip (PEL) tion for Superior Strength Higher Corrosion Resistance       Dustible       FL     49.51       Left/Rig       AC: 0 CFM       SP (in. wg)       Insulated     MBD       0.01     No	1.1 0.26	230V/1F 230V/1

Roof Opening (in.)	17.25 x 18.25
Performanc	e
Requested Volume (CFM)	2,208
Actual Volume (CFM)	2,208
Total External SP (in. wg)	0.26
Fan RPM	1817
Operating Power (hp)	0.4
Elevation (ft)	256
Airstream Temp.(F)	70
Air Density (lb/ft3)	0.074
Tip Speed (ft/min)	7,134
Static Eff. (%)	23





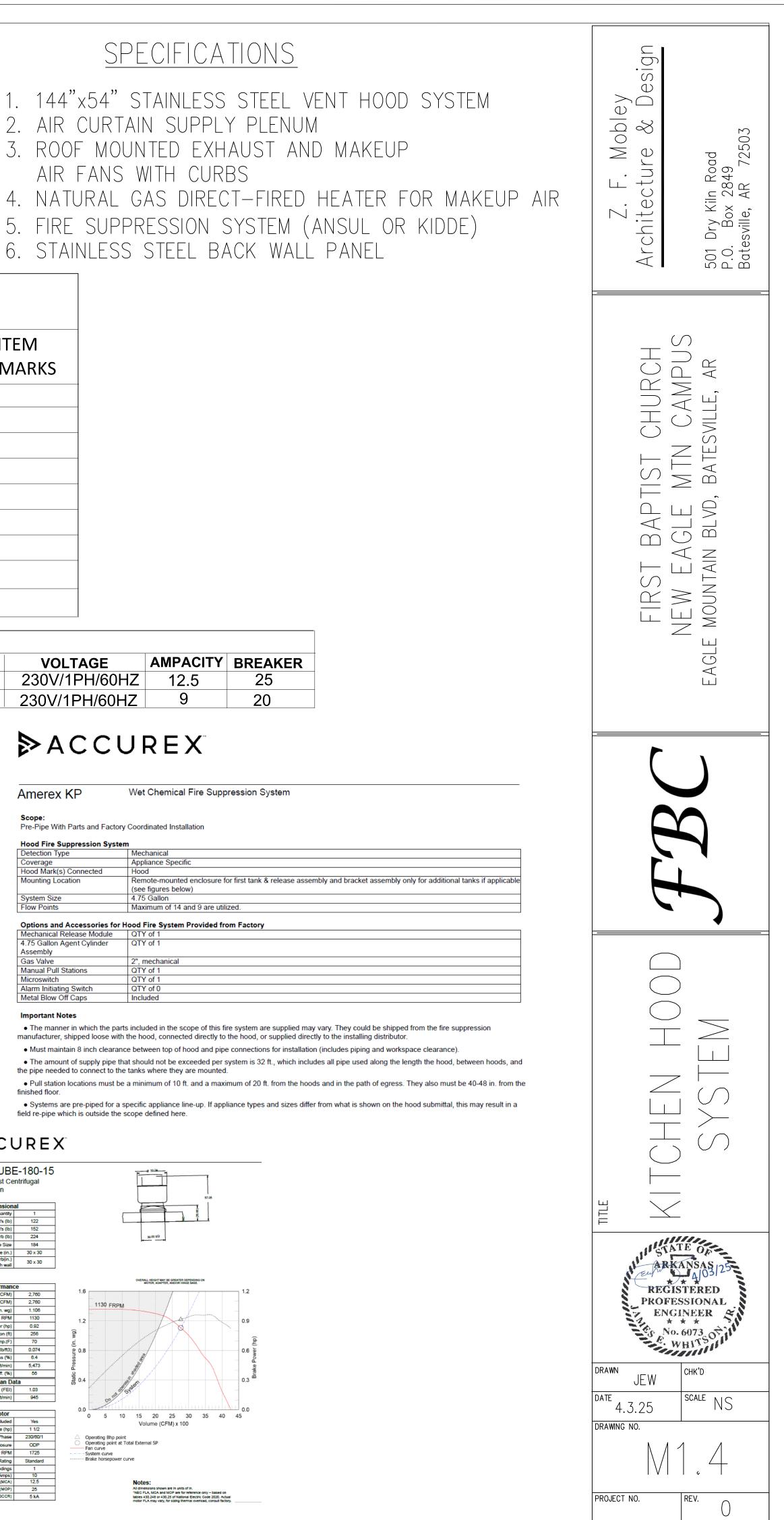
Operating Bhp point Static Pressure Calculation Operating point at Total External SP Fan curve Direct Drive Direct Drive RPM Adjustment Total External SP 0 in. wg - System curve - Brake horsepower curve

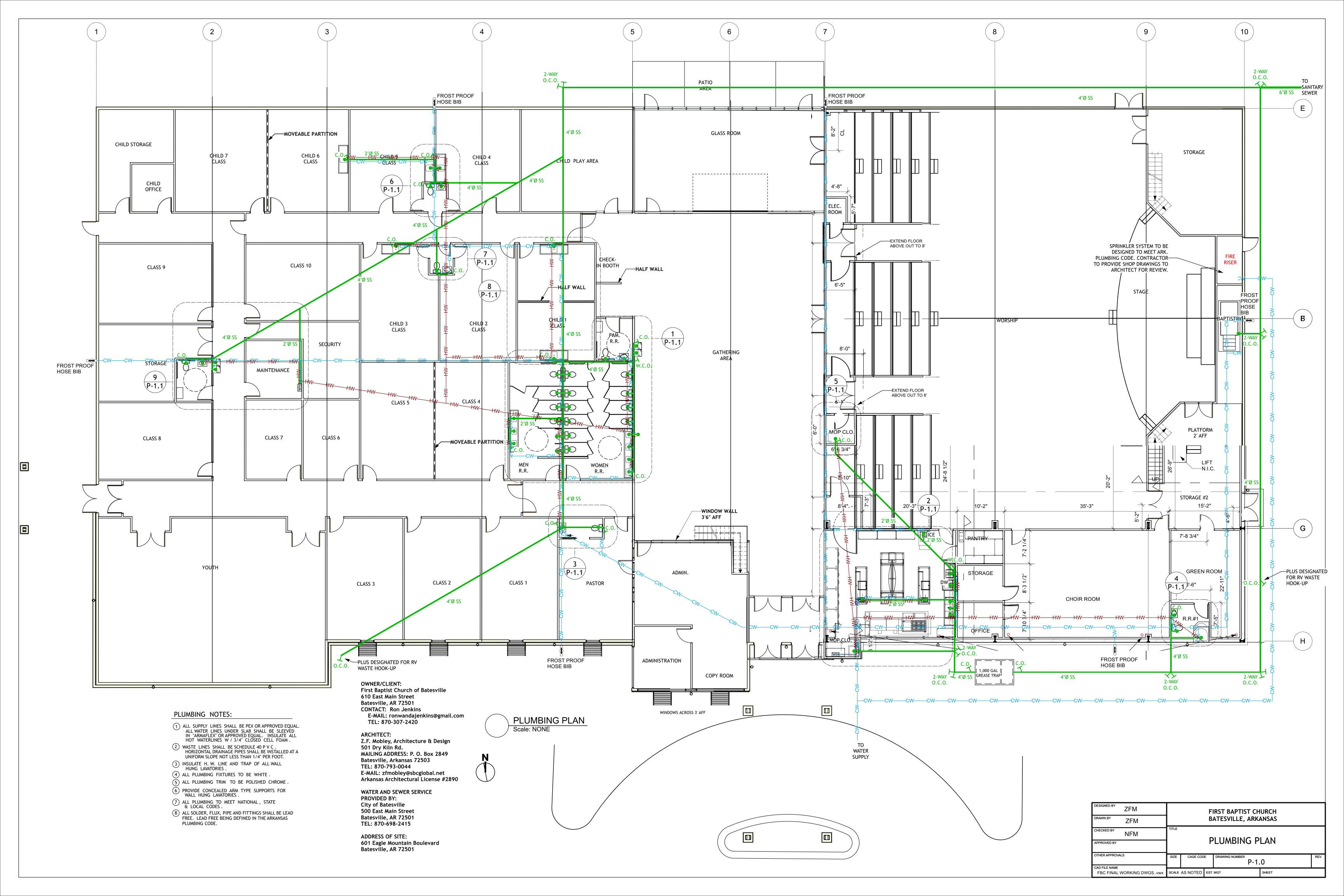


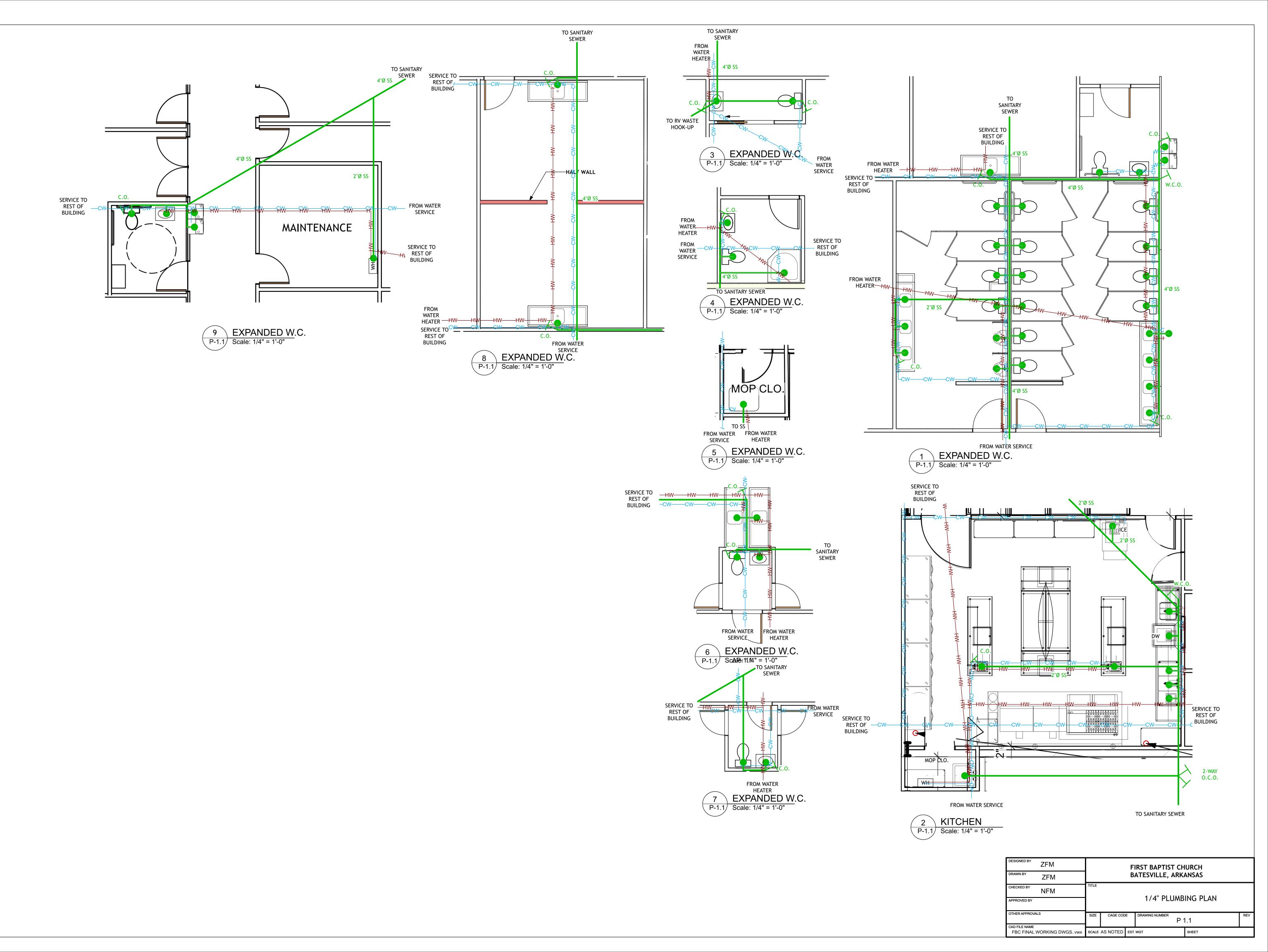
Max. Overcurrent Protection (MOP)

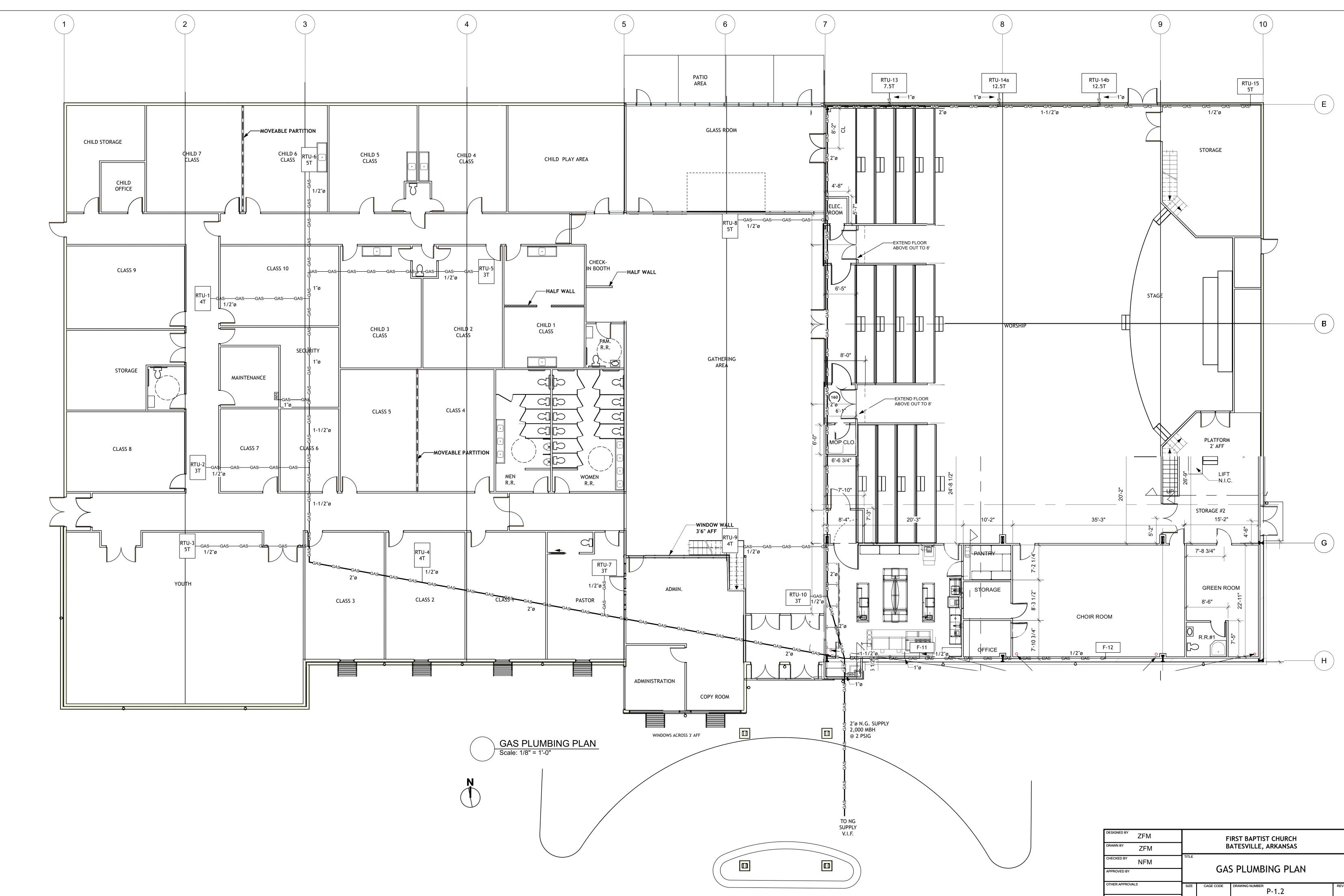
Short Circuit Current Rtg (SCCR)

SEE WIRING DETAILS

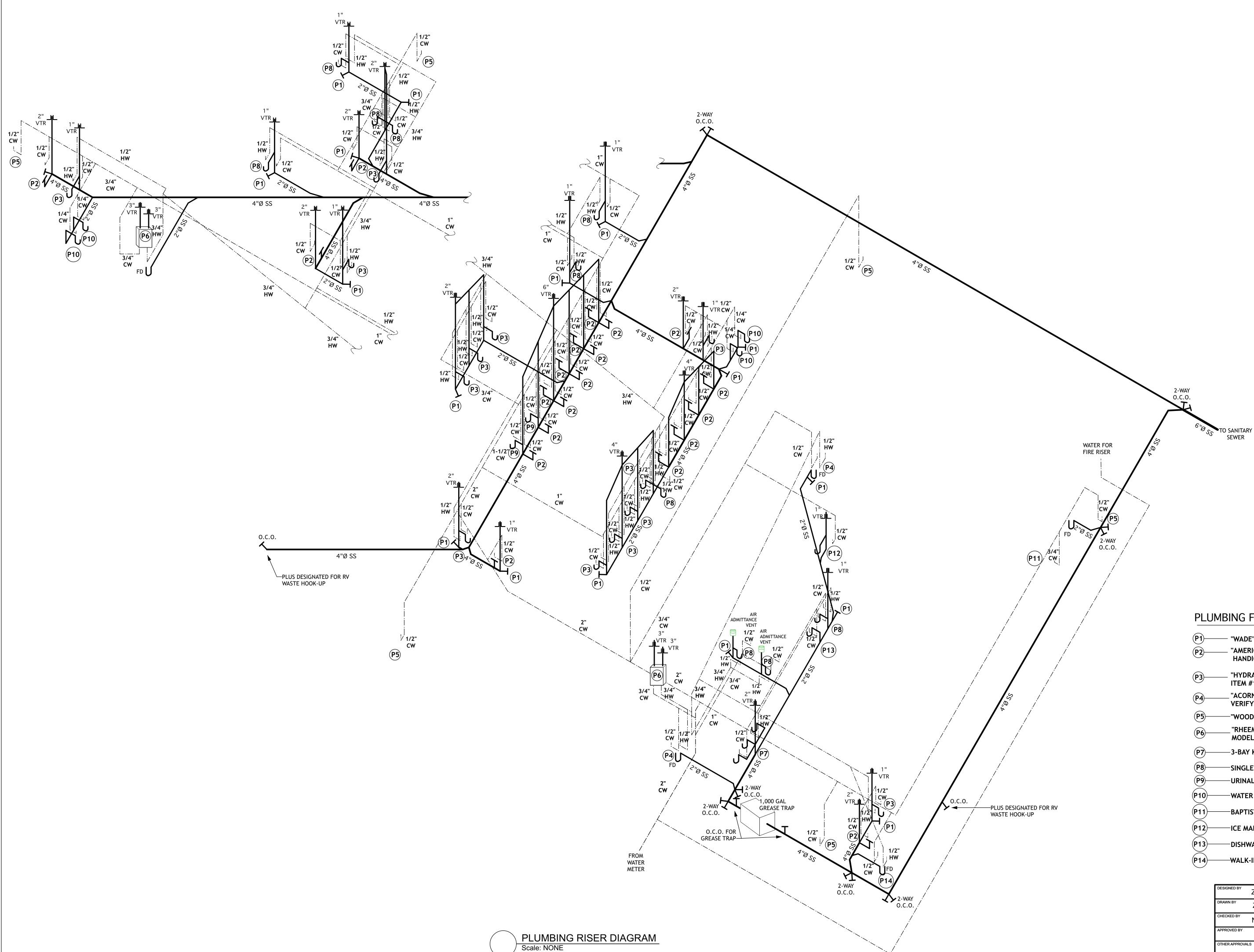








DESIGNED BY	ZFM						
DRAWIN BT	ZFM	BATESVILLE, ARKANSAS					
CHECKED BY	NFM						
APPROVED BY		GAS PLUMBING PLAN					
OTHER APPROVALS		SIZE	CAGE CODE		DRAWING NUMBER P-1.2		REV
CAD FILE NAME FBC FINAL WORKING DWGSvwx		SCALE AS NOTED		EST. WGT		SHEET	



## PLUMBING NOTES:

- 1 ALL SUPPLY LINES SHALL BE PEX OR APPROVED EQUAL. ALL WATER LINES UNDER SLAB SHALL BE SLEEVED IN "ARMAFLEX" OR APPROVED EQUAL. INSULATE ALL HOT WATERLINES W / 3/4" CLOSED CELL FOAM .
- 2 WASTE LINES SHALL BE SCHEDULE 40 P V C . HORIZONTAL DRAINAGE PIPES SHALL BE INSTALLED AT A UNIFORM SLOPE NOT LESS THAN 1/4" PER FOOT.
- (3) INSULATE H. W. LINE AND TRAP OF ALL WALL HUNG LAVATORIES .
- (4) ALL PLUMBING FIXTURES TO BE WHITE.
- (5) ALL PLUMBING TRIM TO BE POLISHED CHROME .
- 6 PROVIDE CONCEALED ARM TYPE SUPPORTS FOR WALL HUNG LAVATORIES .
- 7 ALL PLUMBING TO MEET NATIONAL, STATE & LOCAL CODES.
- 8 ALL SOLDER, FLUX, PIPE AND FITTINGS SHALL BE LEAD FREE. LEAD FREE BEING DEFINED IN THE ARKANSAS PLUMBING CODE.

OWNER/CLIENT: First Baptist Church of Batesville 610 East Main Street Batesville, AR 72501 CONTACT: Ron Jenkins E-MAIL: ronwandajenkins@gmail.com TEL: 870-307-2420

## ARCHITECT: Z.F. Mobley, Architecture & Design 501 Dry Kiln Rd. MAILING ADDRESS: P. O. Box 2849 Batesville, Arkansas 72503 TEL: 870-793-0044 E-MAIL: zfmobley@sbcglobal.net Arkansas Architectural License #2890

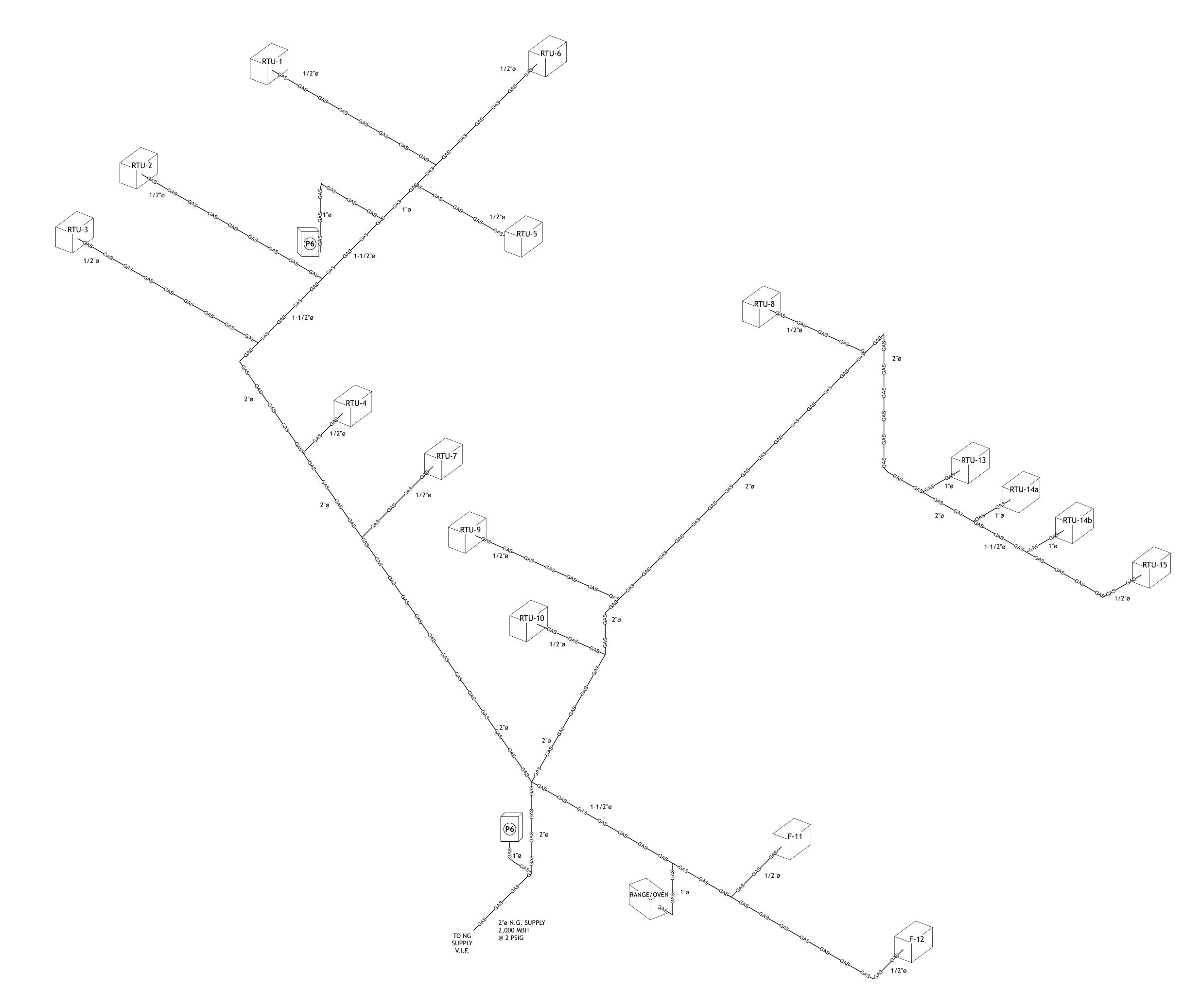
WATER AND SEWER SERVICE PROVIDED BY: City of Batesville 500 East Main Street Batesville, AR 72501 TEL: 870-698-2415

ADDRESS OF SITE: 601 Eagle Mountain Boulevard Batesville, AR 72501

## PLUMBING FIXTURE SCHEDULE

1)		MODEL #W-8450-R
2)	— "AMERICAN STANDARD" CAE HANDICAPPED TOILET, MO	DET PRO RIGHT HEIGHT ELONGATED DEL #215AA.105
)	"HYDRAPRO" OVAL SELF-RI/ ITEM #1301LAV017 VERIF	MMING DROP-IN LAVATORY SINK, Y W/ OWNER
4)	"ACORN" TERRAZZO-WARE VERIFY W/ OWNER	REDUCED HEIGHT MOP SINK, #TRH-3636
		WALL HYDRANT, MODEL #67/B67/RB67
6		DENSING TANKLESS GAS WATER HEATER OR EQUIV. VERIFY W/ OWNER
	— 3-BAY KITCHEN SINK,VERI	FY W/ OWNER
8		V/ OWNER
9—		
0-		
1	BAPTISTRY	
2)	——ICE MAKER,VERIFY W/ OW	NER
3)	— DISHWASHER,VERIFY W/ C	WNER
- 14)		W/ OWNER
ſ		FIRST BAPTIST CHURCH
C		BATESVILLE, ARKANSAS

DESIGNED BY ZFM				IRST BAPTIST CHURCH ATESVILLE, ARKANSAS	
CHECKED BY NFM					
OTHER APPROVALS	SIZE	CAGE CODE		DRAWING NUMBER P-2.0	
CAD FILE NAME FBC FINAL WORKING DWGSvwx	SCALE AS NOTED		EST.	WGT SHEET	





## PLUMBING NOTES:

ALL SUPPLY LINES SHALL BE PEX OR APPROVED EQUAL. ALL WATER LINES UNDER SLAB SHALL BE SLEEVED IN "ARMAFLEX" OR APPROVED EQUAL. INSULATE ALL HOT WATERLINES W / 3/4" CLOSED CELL FOAM. WASTE LINES SHALL BE SCHEDULE 40 P V C. HORIZONTAL DRAINAGE PIPES SHALL BE INSTALLED AT A UNIFORM SLOPE NOT LESS THAN 1/4" PER FOOT.

UNIFORM SLOPE NOT LESS THAN 1/4" PER FOOT. INSULATE H. W. LINE AND TRAP OF ALL WALL HUNG LAVATORIES .

ALL PLUMBING FIXTURES TO BE WHITE . ALL PLUMBING TRIM TO BE POLISHED CHROME . PROVIDE CONCEALED ARM TYPE SUPPORTS FOR WALL HUNG LAVATORIES .

ALL PLUMBING TO MEET NATIONAL , STATE & LOCAL CODES .

ALL SOLDER, FLUX, PIPE AND FITTINGS SHALL BE LEAD FREE. LEAD FREE BEING DEFINED IN THE ARKANSAS PLUMBING CODE.

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ARCHITECT: Z.F. Mobley, Architecture & Design 501 Dry Kiln Rd. MAILING ADDRESS: P. O. Box 2849 Batesville, Arkansas 72503 TEL: 870-793-0044 E-MAIL: zfmobley@sbcglobal.net Arkansas Architectural License #2890

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ADDRESS OF SITE: 601 Eagle Mountain Boulevard Batesville, AR 72501

## PLUMBING FIXTURE SCHEDULE

(P1)	- "WADE" WALL CLEAN OUT MODEL #W-8450-R
(P2)	- "AMERICAN STANDARD" CADET PRO RIGHT HEIGHT ELONGATED HANDICAPPED TOILET, MODEL #215AA.105
(P3)	- "HYDRAPRO" OVAL SELF-RIMMING DROP-IN LAVATORY SINK, ITEM #1301LAV017 VERIFY W/ OWNER
P4	- "ACORN" TERRAZZO-WARE REDUCED HEIGHT MOP SINK, #TRH-363610
(P5)	
<b>P6</b>	_ "RHEEM" COMMERCIAL CONDENSING TANKLESS GAS WATER HEATER, MODEL #RTGH-CM95DVLN, OR EQUIV. VERIFY W/ OWNER
(P7)	–3-BAY KITCHEN SINK, VERIFY W/ OWNER
(P8)	-SINGLE BAY SINK, VERIFY W/ OWNER
(P9)	-URINAL
P10	-WATER COOLER
(P11)	-BAPTISTRY

	FIRST BAPTIST CHURCH					
ZFM	BATESVILLE, ARKANSAS					
CHECKED BY NFM						
APPROVED BY						
OTHER APPROVALS	SIZE	CAGE CODE		DRAWING NUMBER P-2.1		REV
CAD FILE NAME FBC FINAL WORKING DWGSvwx	SCALE AS NOTED		EST. WGT		SHEET	

