A NEW CHURCH BUILDING

FOR

THE FIRST BAPTIST CHURCH

OF BATESVILLE, ARKANSAS

DRAWING SYMBOL KEY

- number / sheet (7 / A9) — DETAIL MARKER
- number / sheet (3 / A7) — ELEVATION MARKER
- fin. flr. 100'-0" — LEVEL MARKER
- A — PARTITION MARKER
- 2 — REVISION MARKER
- letter / sheet (B-B / A-5) — BUILDING SECTION MARKER
- number / sheet (1 / A-5) — WALL SECTION MARKER
- 102 — ROOM I.D. MARKER
- 2 — STRUCTURAL GRID LINE
- 101 — DOOR MARKER
- 3 — WINDOW MARKER

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Batesville, AR 72501
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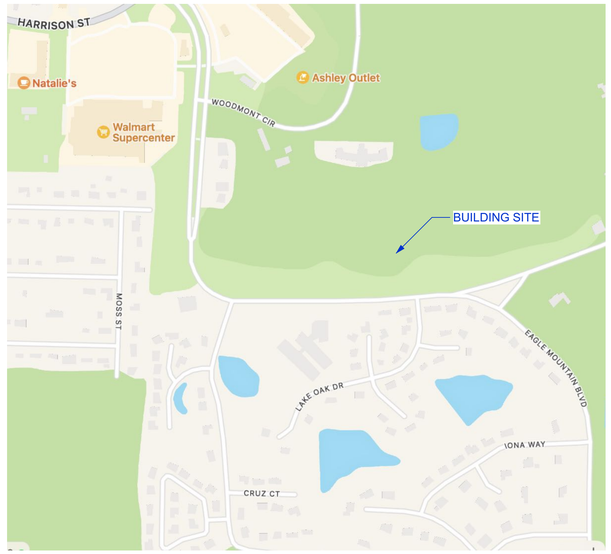


1 COVER — VICINITY MAP
no scale

C-1 COVER SHEET & DRAWING INDEX
S-1 SITE PLAN- 1" = 30'
F-1 FOUNDATION & SLAB PLAN
A-1 FIRST FLOOR PLAN
A-1.1 STAGE & BALCONY FRAMING PLAN
A-2 SECOND FLOOR PLAN
A-2.1 SECOND FLOOR FRAMING PLAN
A-2.2 ROOF PLAN
A-3 BUILDING ELEVATIONS
A-4 BUILDING SECTIONS
A-4.1 BUILDING SECTIONS
A-4.2 WALL SECTIONS AND DETAILS
A-4.3 WALL SECTIONS
A-4.4 WALL SECTIONS
A-5 PORTICO DESIGNS
A-6 DOOR & WINDOW DESIGN & SCHEDULES
A-7 ARCHITECTURAL DETAILS, FINISH SCHEDULES
P-1.0 PLUMBING PLAN
P-1.1 1/4" PLUMBING PLAN
P-1.2 GAS PLUMBING PLAN
P-2.0 PLUMBING RISER DIAGRAM & NOTES
P-2.1 GAS RISER DIAGRAM
SP-1 SPECIFICATIONS
SP-2 SPECIFICATIONS
E-1 ELECTRICAL DEVICE PLAN
E-2 FIRST FLOOR REFLECTED CEILING LIGHTING PLAN
E-3 SECOND FLOOR ELECTRIC POWER & LIGHTING
E-4 LIGHTING CONTROLS & LIGHT FIXTURE SCHEDULE
E-5 SITE ELECTRICAL PLAN
E-6 HVAC ELECTRICAL PLAN
E-7 ELECTRICAL INSTALLATION NOTES
E-8 PANEL SCHEDULES
M 1.1 HVAC ZONES
M1.2 MECHANICAL PLAN
M1.3 MECHANICAL SCHEDULES
M1.4 KITCHEN HOOD SYSTEM

General Notes

1. 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.
2. Contractor shall submit reproducible shop drawings to Architect for Owner's, Architect's, and Engineer's approval.
3. Contractor shall co-ordinate with all trades to provide complete working systems.
4. Drawings of existing facilities are, in 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.
5. 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.
6. 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.

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

ZACHARY F. MOBLEY REGISTERED ARCHITECT NO. 2890 ARKANSAS

DESIGNED BY ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY ZFM	
CHECKED BY NFM	TITLE: COVER SHEET
APPROVED BY	
OTHER APPROVALS	SIZE / CAGE CODE / DRAWING NUMBER C-1 / REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE / EST. WGT / SHEET C-1 OF

CHILD STORAGE
CHILD OFFICE
CHILD 7 CLASS
MOVEABLE PARTITION
CHILD 6 CLASS
CHILD 5 CLASS
CHILD 4 CLASS
CHILD PLAY AREA
R.R.#5
PATIO AREA
GLASS ROOM
O.H. DOOR
G
E-26 VIA LCP3,R8 TO DECK LIGHTS AND E-28 TO DECK RECEPTACLES
STOR. AREA
ELEC. ROOM
LP-E
18" ABOVE SEATING PLATFORM
STORAGE AREA
MOP CLO. #1
CLASS 9
CLASS 10
CLASS 3
CLASS 2
CLASS 1
CHILD 1 CLASS
R.R.#4
HALF WALL @4'0" AFF
PAM. R.R.
GATHERING AREA
SEE DWG. E-3 FOR BOOTH & STORAGE POWER PLAN
CL
WORSHIP
VERIFY LOCS OF FLOOR BOXES
STORAGE
R.R.#3
MAINTENANCE
SECURITY
CLASS 8
CLASS 7
CLASS 6
CLASS 5
CLASS 4
MOVEABLE PARTITION
MEN R.R.
WOMEN R.R.
RECEPTS THIS AREA ARE LOCATED ON COFFEE BAR
VERIFY LOCATION
YOUTH
VERIFY LOCATIONS NEXT TO EXPOSED BEAMS TO SUPPLY POWER FOR SPEAKERS
PASTOR
R.R.#2
INTERNET SERVICE ENTRY POINT
PROVIDE #6 AWG SOLID COPPER GROUND FROM MDP
VESTIBULE
YOUTH OFFICE
ADMINISTRATION OFFICE
ROUTE UNDER SLAB TO MINISTRY CENTER
1" PVC CONDUIT W/ LONG SWEEP FOR FIBER OPTIC CABLE
1" PVC CONDUIT W/ LONG SWEEP FOR FIBER OPTIC INTERNET CABLE
ALL RECEPTS NOT READILY ACCESSIBLE ARE GFI PROTECTED BY GFI BREAKER
PANTRY
KITCHEN
DISC. 120V, 1PH, 15A, N3R
DISC. 208V, 3PH, 15A, N3R
CHOIR OFFICE
CHOIR ROOM
STORAGE #3
GREEN ROOM
R.R.#1
STORAGE #2
STORAGE #1
LIFT N.I.C.
VERIFY LOC.
MDP
3" PVC CONDUIT TO MINISTRY CENTER BUILDING
UG PVC CONDUITS TO UTILITY PAD MOUNT TRANSFORMER
BREAKER DISC 208V,1PH,60A,GFCI,N1
BAPTISTRY HTR/CONTROLS MNTD UNDER BAPTISTRY SEE BAPTISTRY CONTROL SCHEMATIC ON E-4
BAPTISTRY
MOUNT 8' FROM EDGE OF BAPTISTRY
SEE VENT HOOD SHUNT TRIP SCHEMATIC ON DWG. E-4
SEE DRAWING E-7 FOR ELECTRICAL INSTALLATION NOTES.
LOCATED ON ROOF ABOVE HOOD
SUP-3
K54/56/58
K60
DISC. 208V, 3PH, 100A, N3R
TYP.
TYP.
M2-10/12

ELECTRICAL SYMBOLS LEGEND

24" GFI	120 VOLT, 20 AMP DUPLEX TAMPER RESISTANT RECEPT. NUMBER SUBSCRIPT INDICATES HEIGHT A.F.F. IF DIFFERENT THAN STANDARD. (18" TO CENTER OF RECEPT.)
24" GFI	120 VOLT, 20 AMP DUPLEX TAMPER RESISTANT RECPT W/ GROUND FAULT INTERRUPTER PROTECTION.
24"	120 VOLT, 20 A FOURPLEX TAMPER RESIST RECEPT., NUMBER SUBSCRIPT INDICATES HEIGHT A.F.F. IF DIFFERENT THAN STD (18" TO CENTER). (VERIFY LISTED HEIGHTS W/GENERAL CONTRACTOR)
IG	120 VOLT, 20 AMP DUPLEX TAMPER RESISTANT, ISOLATED GROUND RECEPT. (N= INSULATED GROUND WIRE MUST BE INSTALLED FROM RECEPTACLE TO PANEL. NUMBER SUBSCRIPT INDICATES HEIGHT A.F.F. IF DIFFERENT THAN STANDARD. (18" TO CENTER OF RECEPT.)
	250 VOLT, 30 AMP, 3 WIRE, GROUNDING, LOCKING (NEMA L6-30R) RECEPTACLE, FLUSH MOUNT.
D	125/250 VOLT, 30 AMP, 3 POLE, 4 WIRE, GROUNDING, (NEMA 14-30R) RECEPTACLE, FLUSH MOUNT. VERIFY CONFIGURATION W/ EQUIP. RECEPTACLE SHALL BE MNTD IN A 4" X 4" BOX.
R	125/250 VOLT, 50 AMP, 3 POLE, 4 WIRE, GROUNDING, (NEMA 14-50R) RV RECEPTACLE, FLUSH MOUNT. VERIFY CONFIGURATION W/ EQUIP. RECEPTACLE SHALL BE MNTD IN A 4" X 4" BOX.
FPI	FLUSH FLOOR BOX FOR STAGE. BOXES TO BE ACE 102868 PROVIDED BY AUDIO CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. BOXES SHALL BE MOUNTED ON STAGE. FLUSH WITH FLOOR. CONDUIT AND CONNECTIONS ARE DIRECTED BY SWEETWATER. BOXES SHALL BE MOUNTED ON STAGE. FLUSH WITH FLOOR. VERIFY EXACT LOCATION OF BOXES WITH OWNER PRIOR TO ROUGH-IN.
J	DENOTES ELECTRICAL INSTALLATION NOTE. NUMBER(S) INDICATE THE APPROPRIATE NOTE(S).
WP	"WP" BY RECEPTACLE DENOTES WEATHER-RESISTENT TYPE RECEPTACLE AND WEATHER-PROOF ENCL. WET LOCATION RECEPTS MUST COMPLY W/ ART. 406.9(B)(1) OF 2017 NEC.
C	"C" BY RECEPTACLE DENOTES ABOVE COUNTER RECEPTACLE. CONSULT WITH CABINET SUPPLIER FOR PROPER MOUNTING HEIGHT.
P	"P" BY RECEPTACLE DENOTES PENDANT HANGING RECEPTACLE WITH APPROPRIATE STRAIN RELIEF. SEE ELECTRICAL INSTALLATION NOTE 27.
	INTERNET COMMUNICATIONS: WALL BOX PLATE W/ CAT6 JACK. EACH LOC TO HAVE A 3/4" CONDUIT (PVC OR EMT) STUBBED TO ABOVE CLG SPACE, AND A MIN OF (2) CAT-6 CABLES PULLED TO NETWORK EQUIP. CONDUIT SHALL BE ROUTED IN CONCEALED SPACES. CONDUIT SHALL BE ROUTED IN EXPOSED EQUIP. IN ALL AREAS WHERE CABLES WILL BE ROUTED IN EXPOSED CLGS, CONDUIT SHALL BE USED
TV	TV OUTLET DEVICE BOX. DEVICE BOX SHALL BE DOUBLE GANG AND SHALL ACCEPT 1" CONDUIT. EACH LOC TO HAVE A 1" PVC CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE. ALL CONDUITS SHALL BE CONCEALED FORM TV OUTLET TO ATTIC SPACE. TV WALL PLATE C/W PROVISIONS. CONTROL POINT. VERIFY EXACT LOCATION OF TV OUTLET AND CONTROL POINT WITH OWNER.
E-STOP	EMERGENCY STOP BUTTON FOR BAPTISTRY. MAINTAINED. MANUAL RESET. WITH NORMALLY OPEN CONTACTS. SWITCH COMES WITH SET FACE PLATE WITH "EMERGENCY SHUT-OFF" LABEL. PILLA ELECTRICAL P/N - WPSMPSO - ORDER W/ CONTACTS THAT ARE ONLY CLOSED WHEN PRESSED.
M	MOTOR RATED SWITCH. SWITCH MUST BE RATED FOR VOLTAGE, AMPERAGE, AND HP OF LOAD.
J	JUNCTION BOX, FLUSH MOUNTED
J	JUNCTION BOX, SURFACE MOUNTED
	DISCONNECT SWITCH - ELECTRICAL CONTRACTOR TO SIZE PER 2020 NEC AND REQUIREMENTS OF ACTUAL PURCHASED EQUIPMENT. SEE NOTE 15.
TO LCT-3	CONDUIT RUN CONCEALED IN WALLS OR CEILING SPACES. ARROWS INDICATE HOMERUNS. SUBSCRIPT INDICATES PANEL AND CIRCUIT NUMBERS. GROUND CONDUCTORS ARE REQUIRED IN ALL CONDUITS.
LP-A	LIGHTING / POWER PANEL

07/05/25 STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER No. 10229 ANTHONY L. SHERRILL

07/05/25 CERTIFICATE OF AUTHORIZATION SHERRILL ELECTRICAL, INC A-25 No. 1223 ARKANSAS

DESIGNED BY	ANDY SHERRILL
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS..vwx

FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

TITLE: ELECTRICAL DEVICE PLAN

SIZE	CAGE CODE	DRAWING NUMBER	REV
		E-1	

SCALE AS NOTED | EST. WGT | SHEET E-1 OF

ELECTRICAL REFLECTED CEILING PLAN

SEE DRAWING E-4 FOR LIGHT FIXTURE AND LIGHT CONTROL SCHEDULES AND SCHEMATICS.
SEE DRAWING E-7 FOR ELECTRICAL INSTALLATION NOTES.

ALL "K" FIXTURES IN GATHERING AREA TO BE CONTROLLED BY DMX CABLE. EC TO PROVIDE CONDUIT AND DMX CABLE TO EACH FIXTURE PER SWI DWGS. DMX CABLE PROVIDED BY SWEETWATER.

ALL "K" FIXTURES IN SANCTUARY TO BE CONTROLLED BY DMX CABLE. EC TO PROVIDE CONDUIT AND DMX CABLE TO EACH "K" FIXTURE PER SWI DWGS. DMX CABLE PROVIDED BY SWEETWATER.

MOUNT BAR FOR SPOTS TO CLG. PER SWI DWGS.

MOUNT "R" ON WALL UNDER BAPTISTRY
01 FIXTURE MUST BE AT LEAST 7'6" ABOVE WATER

"R" FIXTURE MOUNTED TO CROSS ON WALL BEHIND BAPTISTRY

07/05/25
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 10229
ANTHONY L SHERRILL

07/05/25
CERTIFICATE OF AUTHORIZATION
SHERRILL ELECTRICAL INC.
No. 1223
ARKANSAS

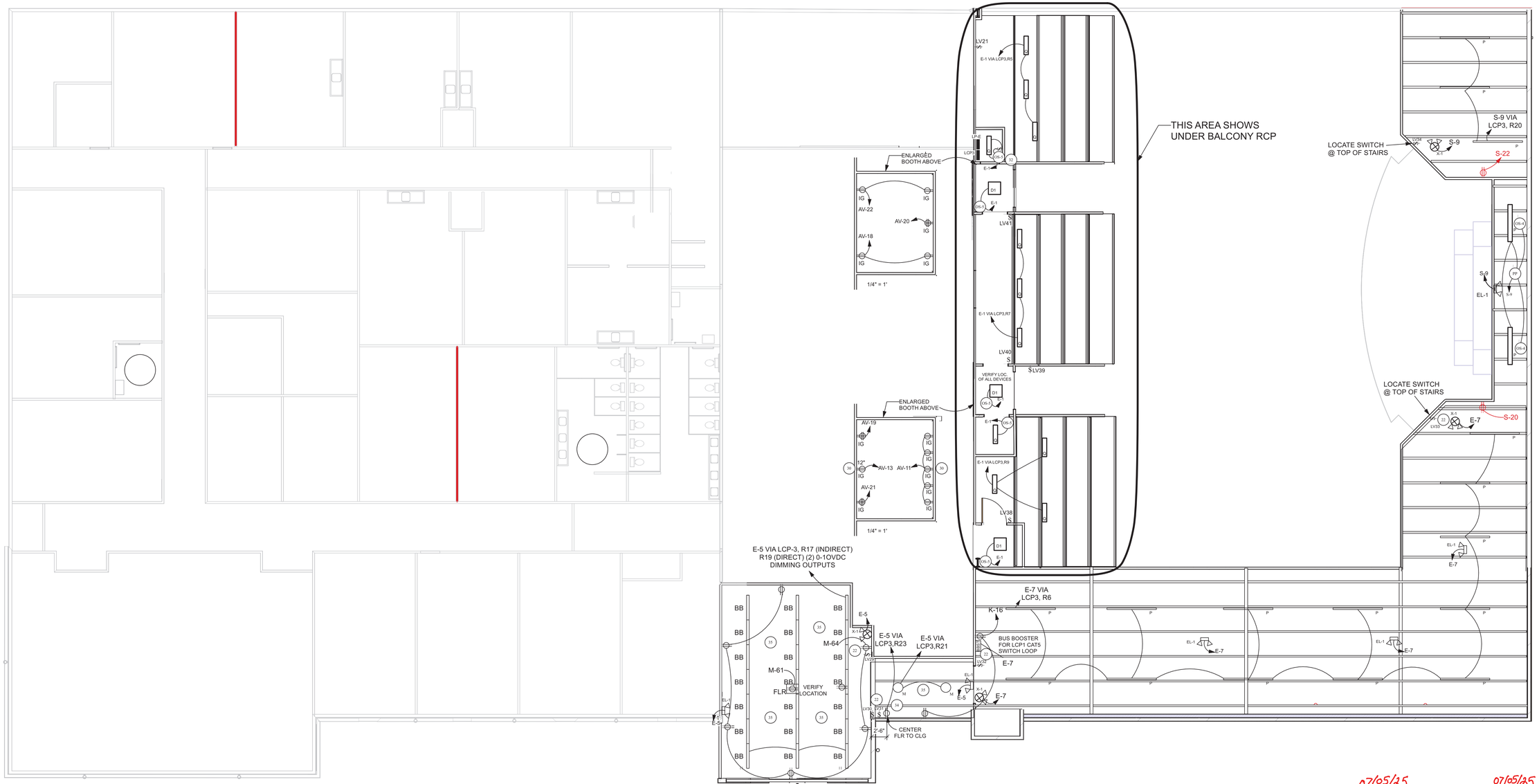
DESIGNED BY	ANDY SHERRILL
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS..vwx

FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

TITLE: FIRST FLOOR REFLECTED CEILING LIGHTING PLAN

SIZE	CAGE CODE	DRAWING NUMBER	REV
		E-2	

SCALE AS NOTED | EST. WGT | SHEET E-2 OF



1 SECOND FLOOR AND UNDER BALCONY REFLECTED CEILING PLAN

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

SEE DRAWING E-1 FOR ELECTRICAL SYMBOL LEGEND.
SEE DRAWING E-4 FOR LIGHT FIXTURE AND CONTROL SCHEDULES AND SCHEMATICS.
SEE DRAWING E-7 FOR ELECTRICAL INSTALLATION NOTES.

N

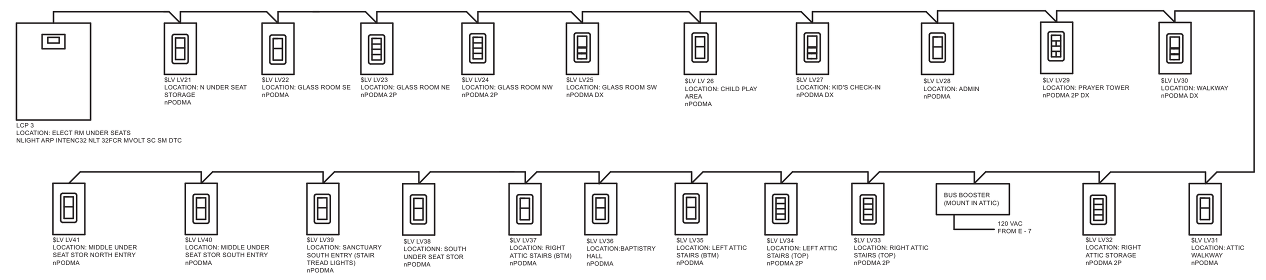
07/05/25

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 10229
ANTHONY L SHERRILL

07/05/25

CERTIFICATE OF AUTHORIZATION
SHERRILL ELECTRICAL, INC
No. 1223
ARKANSAS

DESIGNED BY ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY ZFM	
CHECKED BY NFM	TITLE SECOND FLOOR ELECTRIC POWER & LIGHTING
APPROVED BY	
OTHER APPROVALS	SIZE / CAGE CODE / DRAWING NUMBER E-3 / REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE AS NOTED / EST. WGT / SHEET E-3 OF



LIGHTING CONTROLS - LOW VOLTAGE SINGLE LINE

ID: LCP 3
Location: Elect Rm Under Seats
Supply Circuit: E-10 Voltage: 120V Normal

Relay	Line Feed	Zone	Type	Voltage	Source	Description	Relay	Line Feed	Zone	Type	Voltage	Source	Description
1	E-1		NC	120V	Normal	Child Play Area Lights	2	E-18		NC	120V	Normal	Admin Lights
3	E-1		NC	120V	Normal	Glass Room Lights	4	E-18		NC	120V	Normal	Kid's Check-In Lights
5	E-1		NC	120V	Normal	N Underseat Stor Light	6	E-7		NC	120V	Normal	Attic Storage Lights
7	E-1		NC	120V	Normal	Middle Underseat Stor	8	E-26		NC	120V	Normal	Deck Rope Lights
9	E-1		NC	120V	Normal	S Underseat Stor Light	10	E-3		NC	120V	Normal	Front Ext Wall Lights
11	E-22		NC	120V	Normal	Rear Ext Wall Lights	12	E-3		NC	120V	Normal	Front Ext Entry Lights
13	E-22		NC	120V	Normal	Rear Flood Lights	14	E-20		NC	120V	Normal	Cross Light
15	E-24		NC	120V	Normal	Baptistry Cross Lights	16	S-9		NC	120V	Normal	Left Attic Stairs
17	E-5		NC	120V	Normal	Prayer Tower Indirect	18	S-9		NC	120V	Normal	Right Attic Stairs
19	E-5		NC	120V	Normal	Prayer Tower Direct	20	E-9		NC	120V	Normal	Stair Tread Lights
21	E-5		NC	120V	Normal	PrayTwr/Attic Walkway	22	-		NC	120V	Normal	Spare
23	E-5		NC	120V	Normal	Stained Glass Light	24	-		NC	120V	Normal	Spare
25	-		NC	120V	Normal	Spare	26	-		NC	120V	Normal	Spare
27	-		NC	120V	Normal	Spare	28	-		NC	120V	Normal	Spare
29	-		NC	120V	Normal	Spare	30	-		NC	120V	Normal	Spare
31	-		NC	120V	Normal	Spare	32	-		NC	120V	Normal	Spare

NLIGHT Part #: ARP INTENC32 NLT 32FCR MVOLT SC SM DTC
Enclosure Dimensions: 32.1"H x 20.13"W x 6.68"D
NEMA Rating: 1

PANEL SCHEDULE - LCP 3

ID: LV21 — Part #: nPODMA — Location: N Under Seat Stor

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:5	White		
2	BUTTON 2	Off Mode	LCP 3:5	White		

SWITCH SCHEDULE - LV21

ID: LV22 — Part #: nPODMA — Location: Glass Room SE

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:3	White		
2	BUTTON 2	Off Mode	LCP 3:3	White		

SWITCH SCHEDULE - LV22

ID: LV23 — Part #: nPODMA 2P — Location: Glass Room NE

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:3	White		
2	BUTTON 2	Off Mode	LCP 3:3	White		
3	BUTTON 3	On Mode	LCP 3:13	White		
4	BUTTON 4	Off Mode	LCP 3:13	White		

SWITCH SCHEDULE - LV23

ID: LV24 — Part #: nPODMA 2P — Location: Glass Room NW

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:3	White		
2	BUTTON 2	Off Mode	LCP 3:3	White		
3	BUTTON 3	On Mode	LCP 3:13	White		
4	BUTTON 4	Off Mode	LCP 3:13	White		

SWITCH SCHEDULE - LV24

ID: LV25 — Part #: nPODMA DX — Location: Glass Room SW

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	Toggle	LCP 3:3	White		
2	BUTTON 2	Dimming	Brighten Lights	White		
3	BUTTON 3	Dimming	Dim Lights	White		

SWITCH SCHEDULE - LV25

ID: LV 26 — Part #: nPODMA — Location: Child Play Area

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:1	White		
2	BUTTON 2	Off Mode	LCP 3:1	White		

SWITCH SCHEDULE - LV 26

ID: LV27 — Part #: nPODMA DX — Location: Kid's Check-In

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	Toggle	LCP 3:4	White		
2	BUTTON 2	Dimming	Brighten Lights	White		
3	BUTTON 3	Dimming	Dim Lights	White		

SWITCH SCHEDULE - LV27

ID: LV28 — Part #: nPODMA — Location: Admin

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:2	White		
2	BUTTON 2	Off Mode	LCP 3:2	White		

SWITCH SCHEDULE - LV28

ID: LV29 — Part #: nPODMA 2P DX — Location: Prayer Tower

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	Toggle	LCP 3:17	White		
2	BUTTON 2	Dimming	Dim Indirect Lights	White		
3	BUTTON 3	Dimming	Brighten Indirect Lights	White		
4	BUTTON 4	Toggle	LCP 3:19	White		
5	BUTTON 5	Dimming	Dim Direct Lights	White		
6	BUTTON 6	Dimming	Brighten Direct Lights	White		

SWITCH SCHEDULE - LV29

ID: LV30 — Part #: nPODMA DX — Location: Attic Walkway

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	Toggle	LCP 3:21	White		
2	BUTTON 2	Dimming	Brighten Lights	White		
3	BUTTON 3	Dimming	Dim Lights	White		

SWITCH SCHEDULE - LV30

ID: LV31 — Part #: nPODMA — Location: Attic Walkway (Stained Glass)

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:23	White		
2	BUTTON 2	Off Mode	LCP 3:23	White		

SWITCH SCHEDULE - LV31

ID: LV32 — Part #: nPODMA 2P — Location: Right Attic Storage

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:6	White		
2	BUTTON 2	Off Mode	LCP 3:6	White		
3	BUTTON 3	On Mode	LCP 3:21	White		
4	BUTTON 4	Off Mode	LCP 3:21	White		

SWITCH SCHEDULE - LV32

ID: LV33 — Part #: nPODMA 2P — Location: Right Attic Stairs (Top)

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:6	White		
2	BUTTON 2	Off Mode	LCP 3:6	White		
3	BUTTON 3	On Mode	LCP 3:18	White		
4	BUTTON 4	Off Mode	LCP 3:18	White		

SWITCH SCHEDULE - LV33

ID: LV34 — Part #: nPODMA 2P — Location: Left Attic Stairs (Top)

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:20	White		
2	BUTTON 2	Off Mode	LCP 3:20	White		
3	BUTTON 3	On Mode	LCP 3:16	White		
4	BUTTON 4	Off Mode	LCP 3:16	White		

SWITCH SCHEDULE - LV34

ID: LV35 — Part #: nPODMA — Location: Left Attic Stairs (Btm)

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:16	White		
2	BUTTON 2	Off Mode	LCP 3:16	White		

SWITCH SCHEDULE - LV35

ID: LV36 — Part #: nPODMA — Location: Baptistry Hall

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:15	White		
2	BUTTON 2	Off Mode	LCP 3:15	White		

SWITCH SCHEDULE - LV36

ID: LV37 — Part #: nPODMA — Location: Right Attic Stairs (Btm)

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:18	White		
2	BUTTON 2	Off Mode	LCP 3:18	White		

SWITCH SCHEDULE - LV37

ID: LV38 — Part #: nPODMA — Location: Sout Under Seat Stor

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:9	White		
2	BUTTON 2	Off Mode	LCP 3:9	White		

SWITCH SCHEDULE - LV38

ID: LV39 — Part #: nPODMA — Location: Sanctuary South Entry

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:20	White		
2	BUTTON 2	Off Mode	LCP 3:20	White		

SWITCH SCHEDULE - LV39

ID: LV40 — Part #: nPODMA — Location: Mid Under Seat Stor (South)

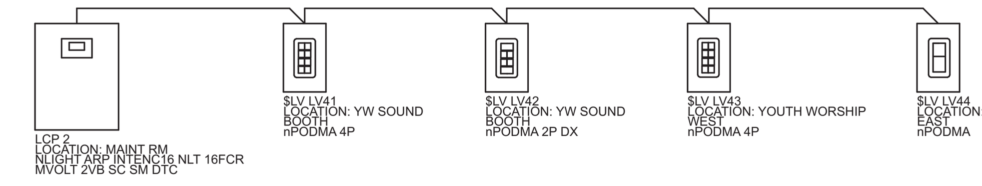
Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:7	White		
2	BUTTON 2	Off Mode	LCP 3:7	White		

SWITCH SCHEDULE - LV40

ID: LV41 — Part #: nPODMA — Location: Mid Under Seat Stor (North)

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 3:7	White		
2	BUTTON 2	Off Mode	LCP 3:7	White		

SWITCH SCHEDULE - LV41



LIGHTING CONTROLS - LOW VOLTAGE SINGLE LINE

ID: LCP 2
Location: Maint Rm
Supply Circuit: M-67 Voltage: 120V Normal

Relay	Line Feed	Zone	Type	Voltage	Source	Description	Relay	Line Feed	Zone	Type	Voltage	Source	Description
1	M-72		NC	120V	Normal	Youth Worship Rear	2	M-65		NC	120V	Normal	YW Stage Spots
3	M-72		NC	120V	Normal	Youth Worship Front	4	M-66		NC	120V	Normal	YW Rear/Side Direction
5	M-70		NC	120V	Normal	Youth Worship Stage	6	M-79		NC	120V	Normal	Ext Wall Lights
7	-		NC	120V	Normal	Spare	8	M-79		NC	120V	Normal	Ext Entry Lights
9	M-78		NC	208V	Normal	Parking Lot Lights	10	-		NC	120V	Normal	Spare
11	M-80		NC	208V	Normal	Parking Lot Lights	12	-		NC	120V	Normal	Spare
13	M-82		NC	208V	Normal	Parking Lot Lights	14	M-81		NC	208V	Normal	Parking Lot Lights
15	M-84		NC	208V	Normal	Parking Lot Lights	16	M-83		NC	208V	Normal	Parking Lot Lights

NLIGHT Part #: ARP INTENC16 NLT 16FCR MVOLT 2VB SC SM DTC
Enclosure Dimensions: 22.45"H x 14.45"W x 4.06"D
NEMA Rating: 1

PANEL SCHEDULE - LCP 2

ID: LV41 — Part #: nPODMA 4P — Location: YW Sound Booth

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	Toggle	LCP 2:5	White		
2	BUTTON 2	Toggle	LCP 2:2	White		
3	BUTTON 3	Toggle	LCP 2:4	White		
4	BUTTON 4	Toggle	LCP 2:2,4-5	White		

SWITCH SCHEDULE - LV41

ID: LV42 — Part #: nPODMA 2P DX — Location: YW Sound Booth

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	Toggle	LCP 2:3	White		
2	BUTTON 2	Dimming	LCP 2:3	White		
3	BUTTON 3	Toggle	LCP 2:1	White		
4	BUTTON 4	Dimming	LCP 2:1	White		

SWITCH SCHEDULE - LV42

ID: LV43 — Part #: nPODMA 4P — Location: Youth Worship West

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 2:1	White		
2	BUTTON 2	Off Mode	LCP 2:1	White		
3	BUTTON 3	On Mode	LCP 2:1,2,3,4,5	White		
4	BUTTON 4	Off Mode	LCP 2:1,2,3,4,5	White		

SWITCH SCHEDULE - LV43

ID: LV44 — Part #: nPODMA — Location: Youth Worship East

Button	Name	Function	Zones Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 2:1	White		
2	BUTTON 2	Off Mode	LCP 2:1	White		

SWITCH SCHEDULE - LV44

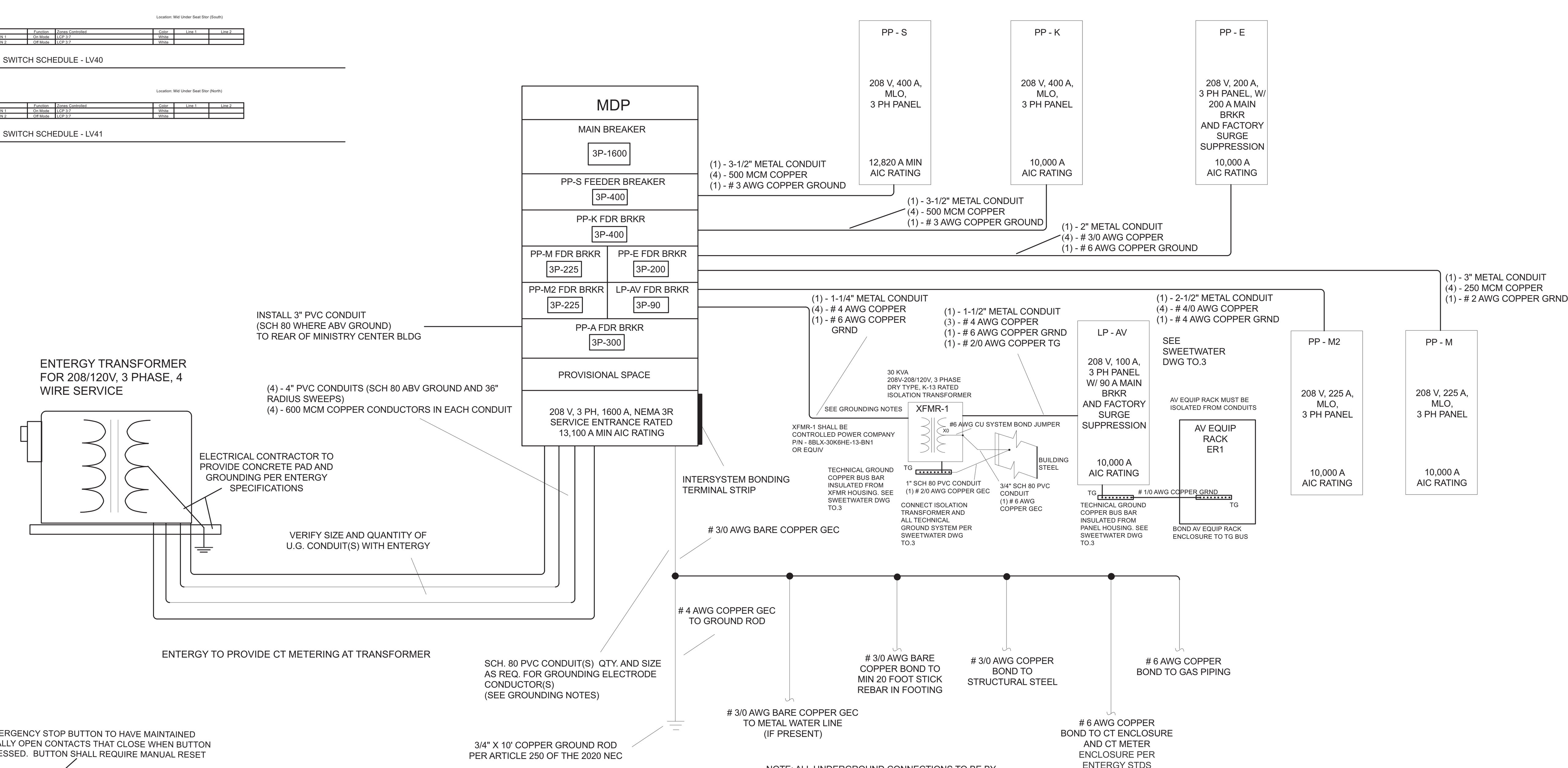
LIGHTING CONTROLS SCHEDULE

Symbol	Description
$	120 V, 20 A, COMMERCIAL GRADE, SINGLE POLE TOGGLE SWITCH.
$D	DIMMER SWITCH FOR LED FIXTURES, 0-10VDC, 120 V, 800 W MAX SENSOR SWITCH P/N sPODMRD EZ WH OR EQUIV
$D2	TOGGLE ON/OFF AND 0-10V DIMMER SWITCH FOR LED FIXTURES, FOR BAPTISTRY CROSS LED STRIPS. LEGRAND TRADEMASTER P/N TSD4FBL3PW OR EQUIV
OS-1	WALL MNT, DUAL TECH OCC SENSOR, 0-10 VDC DIMMING, 120 V, 800W MAX, W/ NEUTRAL CONN. SENSOR SWITCH P/N WSXA PDT D (COLOR) OR EQUIV (VERIFY COLOR W/ ARCHITECT) MOUNT AT 45" AFF TO CENTER UNLESS NOTED OTHERWISE
OS-2	WALL MNT, INFRARED OCCUPANCY SENSOR, 120 V, DUAL RELAY, 800W MAX, W/ NEUTRAL CONNECTION. SENSOR SWITCH P/N WSX 2P (COLOR) OR EQUIV (VERIFY COLOR W/ ARCH) MOUNT AT 45" AFF TO CENTER UNLESS NOTED OTHERWISE
OS-3	CEILING MOUNT, DUAL TECH, LOW VOLTAGE OCCUPANCY SENSOR, 12-24 VAC/VDC, USE WITH PP-20 POWER PACK. SENSOR SWITCH P/N CM PDT 9 OR EQUIV
OS-4	CEILING MNT, DUAL TECHNOLOGY, LOW VOLTAGE OCCUPANCY SENSOR FOR HALLWAYS, 12-24 VAC/VDC, USE WITH PP-20 POWER PACK. SENSOR SWITCH P/N CM PDT 11 OR EQUIV
OS-5	WALL MNT, INFRARED OCCUPANCY SENSOR, 120 V, 800W MAX, W/ NEUTRAL CONNECTION. SENSOR SWITCH P/N WSX (COLOR) OR EQUIV (VERIFY COLOR W/ ARCH) MOUNT AT 45" AFF TO CENTER UNLESS NOTED OTHERWISE
OS-6	CEILING MOUNT, DUAL TECH, LOW VOLTAGE OCCUPANCY SENSOR, 12-24 VAC/VDC, USE WITH PP-20 POWER PACK. SENSOR SWITCH P/N CM PDT 10 OR EQUIV
PP	POWER PACK RELAY, 120 VAC INPUT AND RELAY CONTACTS RATED AT 20 A, 15 VDC/ 150 MA OUTPUT TO POWER SENSORS. SENSOR SWITCH P/N PP-20 OR EQUIV
INV	EMERGENCY INVERTER FOR STAIR TREAD LIGHTS. 125 W, 120 VAC INPUT & OUTPUT. IOTA P/N IIS 125 SM OR EQUIV
LCP-1	LIGHTING CONTROL PANEL FOR REQUIRED LIGHTING SHUT-OFF. PANEL TO BE MANUFACTURERED BY ACUITY BRAND NLIGHT. SEE LIGHTING CONTROL DESIGN FOR DETAILS AND P/NS.
$X (X DENOTES SWITCH NUMBER)	LOW VOLTAGE DIGITAL SWITCH FOR LIGHTING CONROL. SWITCHES MARKED "LV" SHALL COMMUNICATE WITH LIGHTING CONTROL PANEL VIA CAT 5 CABLE AND SHALL ACCEPT RJ45 CONNECTORS. SWITCHES MARKED "NLV" SHALL BE FOR CONTROLLING NLIGHT ENABLED LIGHT FIXTURES AND SHALL BE CONNECTED TO ALL NLIGHT FIXTURES AND SWITCHES IN THE PARTICULAR NLIGHT CONTROL LOOP VIA CABLE IDENTIFIED BELOW AND SHALL ACCEPT RJ45 CONNECTORS. SEE LIGHTING CONTROLS RISER & DETAIL DRAWINGS FOR MORE INFORMATION AND PART NUMBERS.
DMX 1	INDICATES A DMX CABLE FROM LIGHTING CONTROL EQUIPMENT. NUMBER INDICATES THE DMX RELAY/CABLE NUMBER. DMX CABLES ARE DAISY CHAINED TO ALL APPROP LIGHT FIXTURES.
DMX 1 (box)	INDICATES A DMX CABLE FROM LIGHTING CONTROL EQUIPMENT TO A WALL OUTLET WITH XLR RECEPTACLE. NUMBER INDICATES THE DMX RELAY/CABLE NUMBER. DMX CABLES ARE DAISY CHAINED TO ALL APPROP LIGHT FIXTURES.
HLC	SWEETWATER EQUIP LIGHTING CONTROL POINT. BACK BOX SHALL BE RACO 260 BOX WITH 2 GANG MUDRING. SEE SWEETWATER DRAWING T-AV1.1 FOR DETAILS.

LIGHT FIXTURE SCHEDULE

	MANUFACTURER/MODEL#	DESCRIPTION	INPUT WATTS	COMMENTS
A	LITHONIA P/N - CPX 2X4 6000LM 80CRI 40K SWL MIN10 ZT MVOLT OR EQUIV	2'X4' LED FLAT PANEL, LAY-IN GRID CEILING, 120 V, 6,037 LUMENS, 4000K COLOR TEMP, IC RATED, 0-10V DIMMING TO 10%	43.3	IC RATED FIXTURE
A1	NOT USED			
B	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
C	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	NOT USED			
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 OR EQUIV WITH DGA22 DRYWALL GRID ADAPTER	2'X2' LED FLAT PANEL, 120 V, 3,767 LUMENS, 4000K COLOR TEMP, IC RATED, 0-10V DIMMING TO 10%	31.0	IC RATED FIXTURE. MOUNT RECESSED IN DRYWALL
F	LITHONIA P/N - CPX 1X4 3200LM 80CRI 40K SWL MIN10 ZT MVOLT OR EQUIV	1'X4' LED FLAT PANEL, LAY-IN GRID CEILING, 120 V, 3,742 LUMENS, 4000K COLOR TEMP, IC RATED, 0-10V DIMMING TO 10%	32.0	IC RATED FIXTURE
G	LITHONIA P/N - FMVCCLS 24IN MVOLT 30K35K40K 90CRI (FINISH) OR EQUIV (VERIFY FINISH WITH OWNER)	2' LED WALL MOUNT, CONTEMPORARY CYLINDER VANITY 120 V, 1850 LUMENS, 4000K COLOR TEMP	18.2	WALL MOUNT AT 7'-6" AFF. VERIFY HEIGHT WITH OWNER.
H	LITHONIA P/N - FMVCCLS 36IN MVOLT 30K35K40K 90CRI (FINISH) OR EQUIV (VERIFY FINISH WITH OWNER)	3' LED WALL MOUNT, CONTEMPORARY CYLINDER VANITY 120 V, 2700 LUMENS, 4000K COLOR TEMP	26.4	WALL MOUNT AT 7'-6" AFF. VERIFY HEIGHT WITH OWNER.
J	LITHONIA P/N - FMVCCLS 48IN MVOLT 30K35K40K 90CRI (FINISH) OR EQUIV (VERIFY FINISH WITH OWNER)	4' LED WALL MOUNT, CONTEMPORARY CYLINDER VANITY 120 V, 3550 LUMENS, 4000K COLOR TEMP	34.9	WALL MOUNT AT 7'-6" AFF. VERIFY HEIGHT WITH OWNER.
K	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	OWNER TO PURCHASE FROM SWEETWATER. EC 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.
M	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
P	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	LITHONIA P/N - CSS L24 2000LM MVOLT 40K 80CRI OR EQUIV	2' LED STRIP LIGHT, 120 V, 2144 LUMENS, 4000K COLOR TEMP	15.3	
S	GOTHAM P/N - EVO2STRC 40/20 (REFLECTOR COLOR) LSS WD MVOLT UGZ SGBCC (CYLINDER COLOR) OR EQUIV	ROUND CYLINDER LED EXTERIOR DOWNLIGHT, 120 V, 2094 LUMEN OUTPUT, 4000K COLOR TEMP, DAMP LOC RATED	31.7	OWNER TO SPEC FINISH/COLOR. MOUNT TO BTM OF WOOD BEAMS AT COVERED ENTRIES.
T	GOTHAM P/N - ICO4UDWC 40/25 AR LD 30D SHLD (COLOR) U25LM U30D USHLD (COLOR) MVOLT GZ10 JBX WL (COLOR) OE	ROUND LED EXTERIOR UP/DOWN LIGHT, 120 V, 2419 LUMEN UP & DOWN, 4000K COLOR TEMP, 30 DEG BEAM ANGLE UP & DOWN, WET LOC RATED	53.0	OWNER TO SPEC FINISH/COLOR. MOUNT ON EXT WALL AT HEIGHTS OF 6'-0" AND 8'-0" AFG TO BOTTOM OF FIXTURE, AS LISTED ON DRAWING.
V	NOT USED			
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.
AA	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 DRIVER TO BE ORDERED WITH P/NS- M12-M & M12-F WATER-PROOF CONNECTORS	LED STRIP LIGHT, 24 VDC, 110 LM/FT, 4000K COLOR TEMP, IP68 RATED, FLEXIBLE SIDE TO SIDE, WITH BENDABLE SST MOUNTING CHANNEL. POWER SUPPLY TO BE 120 VAC INPUT, CLASS 2, AND IP65 RATED.	3.0/FT	MOUNT LED STRIP LIGHT UNDER DECK TOP RAIL. MOUNT POWER SUPPLIES UNDERNEATH DECK.
BB	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.
CC	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	LITHONIA P/N - DSX2 LED P7 40K 80CRI BLC4 MVOLT SPA (FINISH) W/ SSS 30 5G DM19AS (FINISH) BC POLE OR EQUIV	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 (FINISH) W/ SSS 30 5G DM49AS (FINISH) BC POLE OR EQUIV	POLE MOUNT QUAD LED AREA LIGHT, 120/277 V, 50,104 LUMENS (EACH FIXTURE), 4000K COLOR TEMP, WET LOC RATED	1656.0 TOTAL	OWNER TO SPEC FINISH.
GG	LITHONIA P/N - WDGE4 LED P6 80CRI R4 MVOLT (FINISH) OR EQUIV	WALL MOUNT LED AREA LIGHT, 120/277 V, 25,863 LUMENS, 4000K COLOR TEMP, WET LOC RATED. ELECT CONTRACTOR TO CHOOSE MNTG OPTION.	185.3	OWNER TO SPEC FINISH. MOUNT AS HIGH AS POSSIBLE ON WALL.
HH	DIODELED ALPHATECH X P/N - DI-24V-TE-ATX-400-40-LENGTH-MTCL (END ENTRY) W/ P/N - DI-ODX-24V60W-J 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	MOUNT LED STRIP LIGHT TO BACK OF CROSS 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	1.5	
EL-2	LITHONIA P/N - AFN (FINISH) EXT FWD OR EQUIV	WALL MNT, LED EMERGENCY LIGHT, FORWARD THROW, WET LOC, 6 V, (2) 5.4 W 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	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	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.

NOTE: PORTIONS OF PANEL FEEDER CONDUITS UNDER SLAB MAY BE SCH 40 PVC CONDUIT. PVC CONDUITS REQUIRE GREATER SEPARATEION FROM AV CONDUITS, SEE SWEETWATER DRAWINGS & REQUIREMENTS. EXTERIOR ABOVE GROUND CONDUITS MAY BE SCH 80 PVC CONDUIT. ALL INTERIOR ABOVE SLAB CONDUITS SHALL BE METAL CONDUIT (EMT OR RGS).



ELECTRICAL SINGLE LINE RISER (NOT TO SCALE)

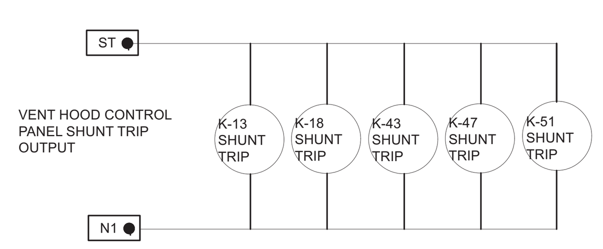
GROUNDING NOTES: (ARTICLE 250 OF THE 2023 NEC)

- AT THE MAIN DISTRIBUTION PANEL (MDP), THE GROUNDED CONDUCTOR (NEUTRAL) SHALL BE CONNECTED TO THE GROUNDING CONDUCTOR (GROUND). THIS SHALL BE THE ONLY PLACE THE NEUTRAL SHALL BE GROUNDED. THE NEUTRAL AND GROUNDS SHALL BE SIZED AS LISTED ON THE ELECTRICAL RISER DIAGRAM.
- A MAIN BONDING JUMPER, 300 MCM COPPER CONDUCTOR, SHALL BE INSTALLED AT THE MDP TO BOND THE MDP ENCLOSURE TO THE NEUTRAL AND GROUND.
- ALL METAL RACEWAYS AND ENCLOSURES ON THE SUPPLY SIDE OF THE MDP SHALL BE BONDED TOGETHER AND TO GROUND PER ARTICLES 250.80 AND 250.92 OF THE 2023 NEC. WHERE BONDING JUMPERS ARE REQUIRED, THEY SHALL BE SIZED PER ARTICLE 250.102(C) OF THE 2023 NEC.
- ALL METAL RACEWAYS AND ENCLOSURES ON THE LOAD SIDE OF THE MDP SHALL BE BONDED TOGETHER AND TO GROUND PER ARTICLES 250.86 AND 250.96 OF THE 2023 NEC. WHERE BONDING JUMPERS ARE REQUIRED, THEY SHALL BE SIZED PER ARTICLE 250.102 (D) OF THE 2023 NEC.
- INTERIOR HOT AND COLD WATER PIPES (IF METAL) SHALL BE BONDED TO THE GROUNDING ELECTRODE CONDUCTOR AT THE MDP WITH A #3/0 AWG COPPER BONDING JUMPER.
- ALL METAL GAS PIPING SHALL BE BONDED TO THE GROUNDING ELECTRODE CONDUCTOR BUS AT THE MDP WITH A # 6 AWG BONDING JUMPER.
- WATER METERS, FILTERING DEVICES, ETC. SHALL HAVE #3/0 AWG COPPER BONDING JUMPERS TO PROVIDE CONTINUITY DURING REMOVAL FOR SERVICING (IF WATER PIPING IS CONDUCTIVE).
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GROUNDING AND BONDING AT THE ENTERGY TRANSFORMER PAD PER APPLICABLE ENTERGY SPECIFICATIONS.
- XFMR-1 AND PANEL LP-AV SHALL HAVE SPECIAL ISOLATED GROUNDING REQUIREMENTS. SEE SWEETWATER INDUSTRIES DRAWING TO.3 FOR ALL DETAILS OF THIS GROUNDING SYSTEM. ELECTRICAL CONTRACTOR SHALL VERIFY ALL REQUIREMENTS OF SWEETWATER INDUSTRIES ARE MET. ELECTRICAL CONTRACTOR SHALL ALSO VERIFY ALL METAL ENCLOSURES AND CONDUIT SYSTEMS HAVE A GROUND FAULT RETURN PATH TO CLEAR ANY FAULTS IN THE SYSTEM.
- PROVIDE INTERSYSTEM BONDING MEANS ON THE OUTSIDE OF THE MDP ENCLOSURE. BONDING STRIP SHALL BE BONDED TO GROUND BUS IN MDP WITH A # 6 AWG COPPER.
- PROVIDE # 6 AWG GREEN, COPPER BONDING JUMPER FROM INTERSYSTEM BONDING TERMINAL STRIP TO ALL PHONE, INTERNET, ETC. SERVICE ENTRIES AND BOND TO EQUIPMENT GROUND FOR EACH (AS REQUIRED).
- PROVIDE A # 6 AWG GREEN, COPPER BONDING CONDUCTOR FROM INTERSYSTEM BONDING TERMINAL STRIP TO COMMUNICATIONS EQUIPMENT IN ADMIN AREA. ROUTE IN 1/2" PVC CONDUIT.
- PROVIDE #3/0 AWG BARE COPPER JUMPERS FROM A GROUND ROD AND FROM A MINIMUM 20FT STICK OF REBAR IN OUTSIDE, BOTTOM EDGE OF FOUNDATION/FOOTING AT EACH OF THE (4) CORNER BUILDING STEEL COLUMNS, THE PRAYER TOWER INTERIOR STEEL COLUMN, AND THE STEEL COULMN IN THE MOP CLOSET. SEE GROUNDING DETAIL. COORDINATE WITH CONCRETE CONTRACTOR TO MAKE SURE JUMPERS ARE CAD WELDED TO REBAR BEFORE CONCRETE IS POURED. TAIL JUMPER UP AS CLOSE AS POSSIBLE TO BUILDING STEEL COLUMN. AFTER STEEL IS ERECTED, CAD WELD JUMPERS TO STEEL COLUMNS.

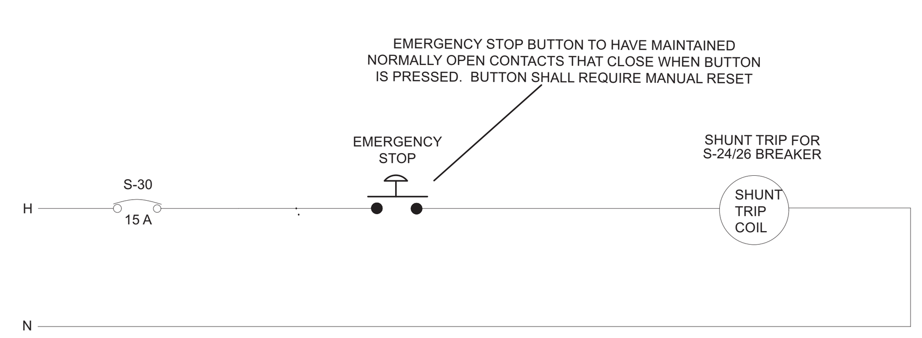
SERVICE NOTES:

- ALL SERVICE ENTRANCE CONDUCTORS SHALL BE STRANDED COPPER WITH 90 DEGREE CENTIGRADE INSULATION.
- ALL ELECTRICAL EQUIPMENT INCLUDING MAIN DISTRIBUTION PANELS, METERS, BREAKERS, DISCONNECTS, POWER PANELS, BRANCH BREAKERS, ETC. SHALL BE RATED FOR THE AVAILABLE FAULT CURRENT AT THE RESPECTIVE LOCATION AS LISTED ON THE SERVICE RISER ABOVE. ALL LISTED MIN AIC RATINGS ARE BASED ON: A PAD MOUNT ENTERGY TRANSFORMER WITH A SECONDARY AVAILABLE FAULT CURRENT OF 9,854 AMPS (AS PROVIDED BY ENTERGY); 15 FEET OF (4) RUNS OF PARALLEL 600 MCM COPPER SECONDARY CONDUCTORS FROM TRANSFORMER TO MDP; AND PVC CONDUIT. IF ANY OF THESE ITEMS ARE NOT ACCURATE, CONTACT ELECTRICAL ENGINEER FOR REVISED FAULT CURRENT CALCULATIONS.
- ELECTRICAL CONTRACTOR SHALL PROVIDE A LABEL AT THE MDP WITH MAXIMUM AVAILABLE FAULT CURRENT PER ARTICLE 110.24 OF THE 2023 NEC. LABEL SHALL READ "MAX AVAILABLE FAULT CURRENT IS 13,100 AMPS - NOT SUITABLE FOR ARC FLASH CALCULATIONS. CURRENT DATE".
- THE EQUIPMENT MAY BE EITHER FULLY RATED OR SERIES RATED FOR THE AVAILABLE FAULT CURRENT. IF SERIES RATED EQUIPMENT IS UTILIZED, THE INSTALLER IS RESPONSIBLE FOR SPECIFYING THE PROPER EQUIPMENT AND ENSURING COMPLIANCE WITH ARTICLES 110.22 & 240.86 (B) & (C) OF THE 2023 NEC.
- ELECTRICAL CONTRACTOR SHALL FURNISH A NAMEPLATE FOR ALL ELECTRICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO: MAIN DISTRIBUTION PANEL, SERVICE DISCONNECTS, LIGHTING/POWER PANELS, DISCONNECT SWITCHES, PUSH-BUTTON STATIONS, ETC.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH LOCAL UTILITY PROVIDER FOR SERVICE CONNECTIONS AND IS RESPONSIBLE FOR ALL ASSOCIATED COSTS.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENSURING SERVICE INSTALLATION MEETS ALL REQUIREMENTS AND SPECIFICATIONS OF ENTERGY AND LOCAL AHJ.
- ALL SERVICE EQUIPMENT SHALL BE RATED FOR SERVICE ENTRANCE AND SHALL HAVE NEMA 3R ENCLOSURES.
- ELECTRICAL CONTRACTOR SHALL PURCHASE AND INSTALL ARC FLASH HAZARD WARNING LABELS ON ALL SERVICE EQUIPMENT AND POWER DISTRIBUTION PANELS PER ARTICLE 110.16(A) OF THE 2023 NEC. ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE A LABEL AT MDP WITH ALL INFORMATION REQUIRED BY ARTICLE 110.16(B) OF THE 2023 NEC.
- ALL UNDERGROUND SERVICE ENTRANCE CONDUITS FROM ENTERGY PAD MOUNT TRANSFORMER TO MDP SHALL BE RIGID PVC CONDUIT. CONDUIT SHALL BE SCH 80 AT 36" LONG RADIUS SWEEPS AND ABOVE GROUND. ALL UNDERGROUND SERVICE ENTRANCE CONDUITS SHALL BE BURIED AT A MINIMUM DEPTH OF 36" TO THE TOP OF THE CONDUIT. PROVIDE A WARNING RIBBON IN TRENCH 12" (MINIMUM) ABOVE ALL UNDERGROUND SERVICE CONDUITS PER ARTICLE 300.5(D)(3) OF THE 2023 NEC.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A CONCRETE PAD FOR UTILITY PAD MOUNTED TRANSFORMER AND ALL ASSOCIATED GROUNDING. CONCRETE PAD AND GROUNDING SHALL MEET ALL ENTERGY SPECIFICATIONS.
- ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL UNDERGROUND SECONDARY CONDUITS AND CONDUCTORS FROM ENTERGY PAD MOUNTED TRANSFORMER JUNCTION BOX TO MDP.
- ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL K-13 RATED XFMR-1 TO PROTECT LED LIGHTING SYSTEM FROM HARMONIC CURRENTS AND POWER QUALITY ISSUES. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ISOLATION TRANSFORMER XFMR-2 TO PROVIDE A CLEAN TECHNICAL POWER SYSTEM FOR ALL AV EQUIPMENT. SEE SWEETWATER INDUSTRIES DRAWING TO.3 FOR DETAILS.
- FOR SERVICE CONDUCTORS AND PANEL FEEDERS (EXCEPT FOR LP-AV), ALUMINUM ALLOY, AA-8000 SERIES CONDUCTORS OF EQUIVALENT OR GREATER AMPACITY MAY ALSO BE BID AS A COST SAVINGS ALTERNATIVE. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING CONDUCTORS AND CONDUITS FOR THIS OPTION. IN ADDITION, THE FOLLOWING REQUIREMENTS APPLY FOR ALL ALUMINUM CONDUCTORS:
  1. ALL CONNECTORS MUST BE DUAL RATED AL/CU SCREW TYPE CONNECTORS.
  2. ALUMINUM CONDUCTORS MUST BE STRIPPED WITH APPROPRIATE SIZED STRIPPING TOOLS.
  3. ALL EXPOSED ALUMINUM CONDUCTORS SHALL BE WIRE BRUSHED TO REMOVE ANY OXIDATION.
  4. A LISTED ANTIOXIDANT COMPOUND SHALL BE USED AT ALL CONNECTIONS. ALL EXCESS COMPOUND SHALL BE REMOVED.
  5. ALL CONNECTIONS SHALL BE PROPERLY TORQUED TO MANUFACTURER'S SPECIFICATIONS AT INSTALLATION.
  6. ALL CONNECTIONS SHALL BE PROPERLY RE-TORQUED TO MANUFACTURER'S SPECIFICATIONS AT THE END OF THE CONTRACTOR'S 1 YEAR WARRANTY.

VENT HOOD SYSTEM SHUNT TRIP SCHEMATIC



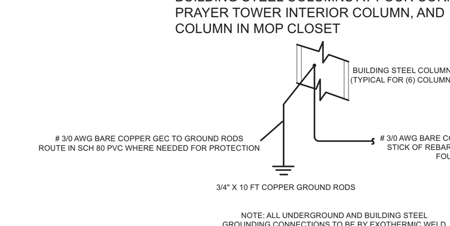
NOTES:
1. VENT HOOD FIRE PROTECTION SYSTEM TO BE DESIGNED BY QUALIFIED OTHERS. SEE ELECT INSTALL NOTE 16.
2. SCHEMATIC BASED ON ASSUMPTION THAT OUTPUT ENERGIZES WHEN THE FIRE SUPPRESSION SYSTEM TRIPS. VERIFY WITH HOOD SYSTEM DESIGNER/INSTALLER. ALSO VERIFY OUTPUT CAN DRIVE (5) SHUNT TRIP COILS.
3. DETECTION OF FIRE IN HOOD SHALL ENERGIZE THE SHUNT TRIPS WHICH WILL DE-ENERGIZE ALL 120V POWER TO APPLIANCES UNDER HOOD.
4. SUPPLY FAN AND GAS VALVE SHALL BE DE-ENERGIZED WHEN FIRE SUPPRESSION SYSTEM TRIPS BY HOOD CONTROLS. VERIFY THESE SHUTDOWNS WITH HOOD SUPPLIER/INSTALLER.



BAPTISTRY EMERGENCY STOP SCHEMATIC

(SEE ELECTRICAL INSTALLATION NOTE 33 FOR DETAILS)

BUILDING STEEL COLUMNS AT FOUR CORNERS, PRAYER TOWER INTERIOR COLUMN, AND COLUMN IN MOP CLOSET



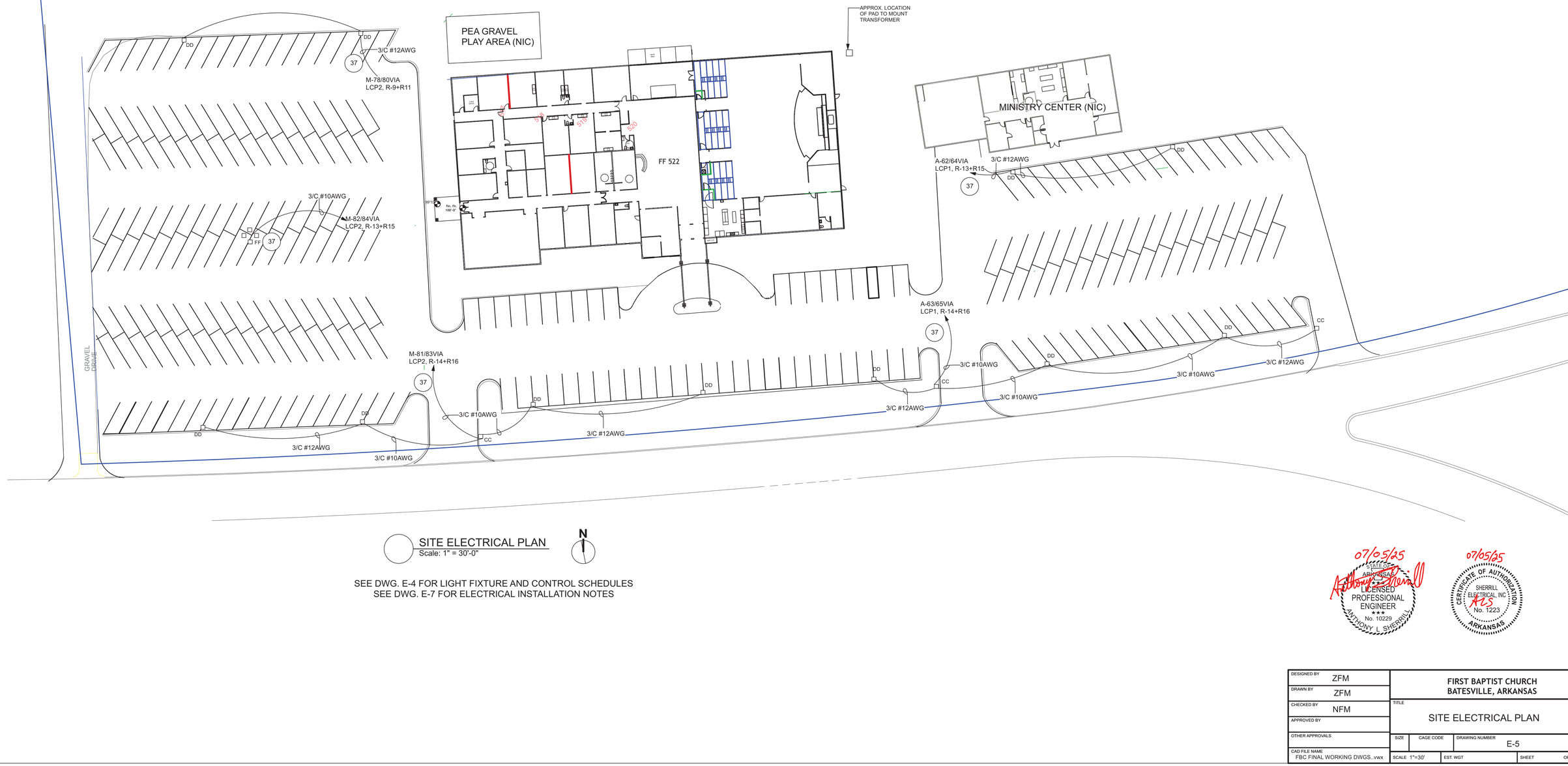
BUILDING STEEL GROUNDING DETAIL

(SEE GROUNDING NOTES)

07/05/25
STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER ★★★ No. 10229 ANTHONY L SHERRILL

07/05/25
CERTIFICATE OF AUTHORIZATION SHERRILL ELECTRICAL, INC No. 1223 ARKANSAS

DESIGNED BY: ANDY SHERRILL, P.E.	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS		
DRAWN BY: ZFM			
CHECKED BY: NFM	TITLE: LIGHTING CONTROLS,LIGHT FIXTURE SCHEDULES, ELECTRICAL RISERS		
APPROVED BY:			
OTHER APPROVALS:	SIZE:	CAGE CODE:	DRAWING NUMBER: E-4 — REV:
CAD FILE NAME: FBC FINAL WORKING DWGS..vwx	SCALE: AS NOTED	EST. WGT:	SHEET: E-4 OF



SITE ELECTRICAL PLAN

Scale: 1" = 30'-0"

N

SEE DWG. E-4 FOR LIGHT FIXTURE AND CONTROL SCHEDULES
SEE DWG. E-7 FOR ELECTRICAL INSTALLATION NOTES

07/05/25
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 10229
ANTHONY L SHERRILL

07/05/25
CERTIFICATE OF AUTHORIZATION
SHERRILL ELECTRICAL, INC.
No. 1223
ARKANSAS

DESIGNED BY ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY ZFM	
CHECKED BY NFM	TITLE: SITE ELECTRICAL PLAN
APPROVED BY	
OTHER APPROVALS	SIZE · CAGE CODE · DRAWING NUMBER E-5 · REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE 1"=30' · EST. WGT · SHEET · OF

RTU 13
7.5 TON

RTU 14a
12.5 TON

RTU 14b
12.5 TON

RTU 15
5 TON

RTU-6
5 TON

RTU-1
4 TON

RTU-5
3 TON

RTU-8
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RTU-2
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RTU-3
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RTU-4
4 TON

RTU-7
3 TON

RTU-9
4 TON

RTU-10
3 TON

CU-11
5 TON

CU-12
3 TON

F-11
STORAGE AREA LEVEL

F-12
STORAGE AREA LEVEL

SEE DRAWING E-1 FOR ELECTRICAL SYMBOL LEGEND.
SEE DRAWING E-7 FOR ELECTRICAL INSTALLATION NOTES.

07/05/25
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 10229
ANTHONY L SHERRILL

07/05/25
CERTIFICATE OF AUTHORIZATION
SHERRILL ELECTRICAL, INC
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ARKANSAS

DESIGNED BY	ANTHONY SHERRILL P.E.
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS..vwx

FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

TITLE: HVAC ELECTRICAL PLAN

SIZE	CAGE CODE	DRAWING NUMBER	REV
		E-6	

SCALE AS NOTED | EST. WGT | SHEET E-6 OF

ELECTRICAL INSTALLATION NOTES

1. 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.
3. 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.
4. 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.
5. EACH BRANCH CIRCUIT SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR SIZED PER ARTICLE 250.122 OF THE 2023 NEC.
6. ALL WALL BOXES TO BE METAL BOXES WITH APPROVED FITTINGS FOR CONNECTION TO CONDUIT. COVERS SHALL COMPLETELY HIDE ALL CUTOUTS.
7. UNLESS OTHERWISE SPECIFIED, MOUNT OUTLET BOX AT:

A. SWITCH – 45" TO CENTER OF BOX

B. 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 ¼" ALL THREAD ROD.
9. 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.
12. 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.
13. 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.
14. 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.

B. 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.

C. 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.

D. DISCONNECTS SHALL BE SOLIDLY MOUNTED TO NEARBY WALL OR OTHER SUITABLE STRUCTURE NEAR EQUIPMENT.

E. ALL EQUIPMENT/APPLIANCES MUST BE CAPABLE OF OPERATING ON EITHER SINGLE PHASE 120 V OR 208 V, OR ON THREE PHASE 208V.

F. FOR ALL MECHANICAL EQUIPMENT, FURNISH AND INSTALL BOXES, RACEWAY, AND CABLE FOR POWER AND CONTROLS. VERIFY REQUIRED LOCATIONS WITH MECHANICAL CONTRACTOR.

G. SEE THE MECHANICAL DRAWINGS FOR THE LOCATIONS AND ELECTRICAL CHARACTERISTICS OF THE HVAC EQUIPMENT.

16. KITCHEN VENT HOOD WIRING:

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. E-4. 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, LOW VOLTAGE 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 FIXTURE 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 AND INSTALL ALL NECESSARY SOUND AND DMX LIGHTING CONTROL CABLES. ALSO PROVIDE (2) 1" 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 SHALL PROVIDE SEPARATION FROM AC WIRING. WHERE 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. PROVIDE HDMI WALL 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.
25. 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. RITTER COMMUNICATIONS TO PROVIDE APPROPRIATE WALL BOX. PROVIDE #6 AWG SOLID COPPER GROUND FROM MDP INTERSYSTEM BONDING TERMINAL IN ½" PVC CONDUIT UNDER SLAB. ALSO INSTALL 1" PVC CONDUIT WITH LONG RADIUS ELBOWS UNDER SLAB AND UNDER GROUND FROM MAIN INTERNET LOCATION UNDER STAIRS TO BACK OF MINISTRY BUILDING FOR FUTURE CONNECTION TO MINISTRY BUILDING.
26. 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.
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 AND DIRECTIONAL 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 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 AND LIGHTING CONTROLS. ELECTRICAL CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS AND INSTRUCTIONS ON SWEETWATER INDUSTRIES DRAWINGS AND SHALL BE RESPONSIBLE FOR INSTALLING ALL POWER 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 OF THE BACK WALL OF THE BAPTISTRY. 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. ALSO PROVIDE A DIGITAL LIGHTING CONTROL SWITCH IN THE BAPTISTRY HALL. 120 VAC POWER TO THE DIMMER SWITCH AND THE 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 BACK OF THE CROSS ON BOTH THE VERTICAL AND HORIZONTAL PART OF THE CROSS. CONNECT CABLES FROM BOTH LED STRIPS TO THE LOW VOLTAGE SUPPLY IN 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.
33. 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 ON DRAWING E-4.
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 AND ROPE LIGHTS. FOR 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 WEATHERPROOF LOCAL SWITCH AT DECK ENTRY TO CONTROL CIRCUIT FEEDING LED ROPE LIGHT DRIVERS. MOUNT ROPE LIGHTS UNDER TOP RAIL OF DECK. 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 RATING OF ANY 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 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.

07/05/25

STATE OF ARKANSAS
LICENSED
PROFESSIONAL
ENGINEER
No. 10229
ANTHONY L SHERRILL

07/05/25

CERTIFICATE OF AUTHORIZATION
SHERRILL ELECTRICAL, INC
No. 1223
ARKANSAS

DESIGNED BY: ANDY SHERRILL P.E.	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY: ZFM	
CHECKED BY: NFM	TITLE: ELECTRICAL INSTALLATION NOTES
APPROVED BY:	
OTHER APPROVALS:	SIZE / CAGE CODE / DRAWING NUMBER: E-7 / REV
CAD FILE NAME: FBC FINAL WORKING DWGS..vwx	SCALE: AS NOTED / EST. WGT / SHEET: E-7 OF

PANEL	LP - AV			FEEDER		
FED FROM	MDP (VIA ISOLATION XFMR)			NUMBER OF CONDUITS	1	
# CIRCUITS	30			FEEDER CONDUIT	1-1/4"	
HI VOLTAGE	208			WIRE SIZE L1	# 4	
LOW VOLTAGE	120			WIRE SIZE L2	# 4	
PHASE	3Y			WIRE SIZE L3	# 4	
DESIGN LOAD AMPS	100			WIRE SIZE NEUTRAL	# 4	
NEUTRAL BUS	YES			WIRE SIZE GROUND	# 6	
GROUND BUS	YES		SUPPLIED WITH FACTORY SURGE SUPPRESSION			
AVAILABLE FAULT CURRENT AT THIS PANEL	1,807	Amps				
MAIN BREAKER	90	Amps				

#	BKR	CIRCUIT DESCRIPTION	VA		VA	CIRCUIT DESCRIPTION	BKR	#
1	1P-20	Equipment Rack 1 Ckt 1	500	L1	1,500	Equipment Rack Amplifier Ckt 1	2P-30	2
3	1P-20	Equipment Rack 1 Ckt 2	500	L2	1,500	==========		4
5	1P-20	Equipment Rack 1 Ckt 3	500	L3	1,500	Equipment Rack Amplifier Ckt 2	2P-30	6
7	1P-20	Equipment Rack 1 Ckt 4	500	L1	1,500	==========		8
9	1P-20	Equipment Rack 1 Ckt 5	500	L2	1,500	Broadcast Power	1P-20	10
11	1P-20	FOH Equipment Power	1,800	L3	720	Stage Floor Box Power	1P-20	12
13	1P-20	FOH BJB1 Power	500	L1	500	Confidence Monitor Power	1P-20	14
15	1P-20	Left Projector Power	400	L2	360	PTZ Camera Power	1P-20	16
17	1P-20	Right Projector Power	400	L3	360	Video Booth	1P-20	18
19	1P-20	AV Booth Recepts	360	L1	360	Video Booth	1P-20	20
21	1P-20	AV Both Recepts	360	L2	360	Video Booth	1P-20	22
23	1P-20	Spare		L3		Spare	1P-20	24
25	1P-20	Spare		L1		Spare	1P-20	26
27		Blank Space		L2		Blank Space		28
29		Blank Space		L3		Blank Space		30
31		Blank Space		L1		==========		32
33		Blank Space		L2		Factory Surge Suppression	3P-??	34
35		Blank Space		L3		==========		36

PANEL	PP - M			FEEDER		
FED FROM	MDP			NUMBER OF CONDUITS	1	
# CIRCUITS	84			FEEDER CONDUIT	3"	
HI VOLTAGE	208			WIRE SIZE L1	250 MCM	
LOW VOLTAGE	120			WIRE SIZE L2	250 MCM	
PHASE	3Y			WIRE SIZE L3	250 MCM	
DESIGN LOAD AMPS	225			WIRE SIZE NEUTRAL	250 MCM	
NEUTRAL BUS	YES			WIRE SIZE GROUND	# 2	
GROUND BUS	YES					
AVAILABLE FAULT CURRENT AT THIS PANEL	5,600	Amps				
MAIN LUG ONLY						

#	BKR	CIRCUIT DESCRIPTION	VA		VA	CIRCUIT DESCRIPTION	BKR	#
1	1P-20	Ext/Corr/Yout NW Recepts	900	L1	720	Youth West & SW Recepts	1P-20	2
3	1P-20	Youth East Recepts/Class 3 Recepts	1,080	L2	900	Class 8 Recepts	1P-20	4
5	1P-20	Corr/RR/Stor/Class 8 Recepts	1,080	L3	1,200	Drinking Fountain	1P-20	6
7	1P-20	Corr/Class 6 & 7 Recepts	1,080	L1	900	Storage/Class 9 Recepts	1P-20	8
9	1P-20	Ext/Corr/Class 9 Recepts	1,080	L2	900	Class 10/Security/Child Class 3 Recepts	1P-20	10
11	1P-20	Class 10/Child Class 3 Receps	1,080	L3	900	Child Offic/Storage Recepts	1P-20	12
13	1P-20	Child Office/Child Cl 6&7/Corr Recpts	1,080	L1	1,080	Ext/Child Class 6 & 7 Recepts	1P-20	14
15	1P-20	Child Class 5 & 6 Recepts	1,080	L2	1,080	Child Class 4 & 5 Recepts	1P-20	16
17	1P-20	RR/Child Class 4 & 5 Recepts	1,080	L3	1,080	Child Class 4/Child Play Area Receps	1P-20	18
19	1P-20	Child Class 2&3/Class5 Recepts	1,080	L1	1,080	Corr/Child Class 2&3/RR Recepts	1P-20	20
21	1P-20	Class 5 & 6 Recepts	1,080	L2	900	Class 2 & 3 Recepts	1P-20	22
23	1P-20	Corr/Class 1 & 2 Recepts	1,080	L3	1,080	Men RR/Class 4 & 5 Recepts	1P-20	24
25	1P-20	Class 1/Pastor Office Recepts	1,080	L1	900	Child Class1&2/Class4 Recepts	1P-20	26
27	1P-20	Child Class 1&2/Lobby Recepts	900	L2	900	Lobby/Pastor Office&RR Recepts	1P-20	28
29	1P-20	Women's RR Recept	180	L3	180	Women's RR Recept	1P-20	30
31	1P-20	Check-in Booth Recepts	540	L1	1,080	Child Play Area/Glass Rm Recepts	1P-20	32
33	1P-20	Family RR/Lobby Recepts	540	L2	720	Class 2 & 3 Recepts	1P-20	34
35	1P-20	Class 1/Pastor Office Recepts	540	L3	900	Child Class 1 & 2 Recepts	1P-20	36
37	1P-20	Admin Office Recepts	900	L1	600	Water Founatin	1P-20	38
39	1P-20	Café Icemaker	1,500	L2	1,200	Café UC Refrigerator	1P-20	40
41	2P-30	Café Coffee Maker	3,000	L3	120	Café' Counter Recept	1P-20	42
43		====(See Note 15)====	3,000	L1	540	Lobby/Entry/Front Ext Recepts	1P-20	44
45	1P-20	Front Entry Ext Recepts	360	L2	180	Patio Ext Recept	1P-20	46
47	1P-20	Youth SE Recepts	540	L3	900	Maintenance Rm Recepts	1P-20	48
49	1P-20	Admn Gen Area Recepts	720	L1	1,200	Security Rm General Recets	1P-20	50
51	1P-20	Internet/Phone Equip	720	L2	1,200	Security Equip Recepts	1P-20	52
53	1P-20	Copy Machine	1,440	L3	1,200	Security Equip Recepts	1P-20	54
55	1P-20	Admin Area Recepts	360	L1	990	EM/PastorOffc/Class1/RRs Light/Fans	1P-20	56
57	1P-20	Office Recepts	900	L2	1,298	Em/Child&MaintCor/Class8&9/StorLights	1P-20	58
59	1P-20	EM/Youth-Pastor Corr/WomenRR Lights	1,184	L3	988	Emg/Child1/2/3/4 Lights/Fan	1P-20	60
61	1P-20	Prayer Tower Floor Recepts	180	L1	1,214	Em/Child5/6/7/Office/Stor/Class10 Lights	1P-20	62
63	1P-20	EM/Maint/Security/Class2/3/4/5/6/7 Light	1,488	L2	1,080	Prayer Tower Recepts	1P-20	64
65	1P-20	Youth Worship Center Stage Lights	660	L3	660	Youth Worship Side/Rear Direct Lights	1P-20	66
67	1P-20	LCP - 2 Power	360	L1	1,200	Youth Worship Sound Booth	1P-20	68
69	1P-20	Youth Worship TVs	600	L2	440	Youth Worship Stage Lights	1P-20	70
71	1P-20	Youth Worship Speakers	1,200	L3	1,327	Youth Worship House Lights	1P-20	72
73	1P-20	Fire Alarm Annunciator	1,200	L1	3,000	Café Coffee Maker	2P-30	74
75	1P-20	Lettered Sign	1,200	L2	3,000	====(See Note 15)====		76
77	1P-20	Security Rm Power Strip	1,200	L3	414	Parking Lot Lights	2P-20	78
79	1P-20	Exterior Lights	827	L1	414	==========		80
81	2P-20	Parking Lot Lights	875	L2	828	Parking Lot Lights	2P-20	82
83		==========	875	L3	828	==========		84

PANEL	LP - E			FEEDER		
FED FROM	MDP			NUMBER OF CONDUITS	1	
# CIRCUITS	42			FEEDER CONDUIT	2"	
HI VOLTAGE	208			WIRE SIZE L1	# 3/0	
LOW VOLTAGE	120			WIRE SIZE L2	# 3/0	
PHASE	3Y			WIRE SIZE L3	# 3/0	
DESIGN LOAD AMPS	200			WIRE SIZE NEUTRAL	# 3/0	
NEUTRAL BUS	YES			WIRE SIZE GROUND	# 6	
GROUND BUS	YES		SUPPLIED WITH FACTORY SURGE SUPPRESSION			
AVAILABLE FAULT CURRENT AT THIS PANEL	7,400	Amps				
MAIN BREAKER	200	Amps				

#	BKR	CIRCUIT DESCRIPTION	VA		VA	CIRCUIT DESCRIPTION	BKR	#
1	1P-20	Emerg/ChldPlay/GlassRm/Storge Lights	1,500	L1	180	Electric Room Recept	1P-20	2
3	1P-20	Emerg/Front Exterior Lights	900	L2	1,260	Ext/Gather/Glass/Storage Recepts	1P-20	4
5	1P-20	Emerg/Prayer Tower/Walkway Lights	1,391	L3	900	Sanct Balcony Recepts	1P-20	6
7	1P-20	Emerg/South Attic Storage Lights	950	L1	900	Sanct Left Wall Recepts	1P-20	8
9	1P-20	Sanctuary Stair Tread Lighting	315	L2	300	LCP-3 Power	1P-20	10
11	1P-20	Emerg/Sanctuary Front Row Pendants	1,431	L3	1,386	Emerg/Gathering Area Pendants	1P-20	12
13	1P-20	Sanctuary Second Row Pendants	1,610	L1	1,153	Gathering Area Pendants	1P-20	14
15	1P-20	Emerg/Sanctuary Third Row Pendants	1,616	L2	1,161	Emerg/Gathering Area Pendants	1P-20	16
17	1P-20	Emerg/Sanctuary Back Row Pendants	1,619	L3	560	Em/Admin/Entry/Kid Ck-in Lights	1P-20	18
19	1P-20	Spare		L1	1,200	Exterior Cross Lights	1P-20	20
21	1P-20	LT-01 Theatrical Lights Ckt 1	1,700	L2	689	Side/Rear Ext Lights	1P-20	22
23	1P-20	LT-01 Theatrical Lights Ckt 2	1,700	L3	480	Baptistry Cross Lights (GFCI Brkr)	1P-20	24
25	1P-20	LT-01 Theatrical Lights Ckt 3	1,700	L1	720	Deck Rope Lights	1P-20	26
27	1P-20	LT-01 Theatrical Lights Ckt 4	1,700	L2	720	Deck Recepts	1P-20	28
29	1P-20	LB-01 Theatrical Lights	610	L3		Spare	1P-20	30
31	1P-20	LB-02 Theatrical Lights	610	L1	1,700	LT-01 Theatrical Lights Ckt 5	1P-20	32
33	1P-20	LB-03 Theatrical Lights	610	L2		Spare	1P-20	34
35	1P-20	Spare		L3		Spare	1P-20	36
37		Blank Space		L1		==========		38
39		Blank Space		L2		Factory Surge Suppression	3P-??	40
41		Blank Space		L3		==========		42

PANEL	PP - M2			FEEDER		
FED FROM	MDP			NUMBER OF CONDUITS	1	
# CIRCUITS	42			FEEDER CONDUIT	2-1/2"	
HI VOLTAGE	208			WIRE SIZE L1	# 4/0	
LOW VOLTAGE	120			WIRE SIZE L2	# 4/0	
PHASE	3Y			WIRE SIZE L3	# 4/0	
DESIGN LOAD AMPS	225			WIRE SIZE NEUTRAL	# 4/0	
NEUTRAL BUS	YES			WIRE SIZE GROUND	# 4	
GROUND BUS	YES					
AVAILABLE FAULT CURRENT AT THIS PANEL	5,300	Amps				
MAIN LUG ONLY						

#	BKR	CIRCUIT DESCRIPTION	VA		VA	CIRCUIT DESCRIPTION	BKR	#
1	2P-50	RTU - 1	3,142	L1	2,362	RTU - 5	2P-40	2
3		====(See Note 15)====	3,142	L2	2,362	====(See Note 15)====		4
5	2P-40	RTU - 2	2,362	L3	3,933	RTU - 6	2P-60	6
7		====(See Note 15)====	2,362	L1	3,933	====(See Note 15)====		8
9	2P-60	RTU - 3	3,933	L2	4,160	RV Recept (GFCI)	2P-50	10
11		====(See Note 15)====	3,933	L3	4,160	====(See Note 15)====		12
13	1P-20	HVAC Recepts	900	L1		Spare	1P-20	14
15	2P-50	RTU - 4	3,142	L2		Spare	1P-20	16
17		====(See Note 15)====	3,142	L3	2,362	RTU - 7	2P-40	18
19	1P-15	Hot Water Heater	360	L1	2,362	====(See Note 15)====		20
21	1P-20	Spare		L2		Spare	1P-20	22
23	1P-20	Spare		L3		Spare	1P-20	24
25		Blank Space		L1		Blank Space		26
27		Blank Space		L2		Blank Space		28
29		Blank Space		L3		Blank Space		30
31		Blank Space		L1		Blank Space		32
33		Blank Space		L2		Blank Space		34
35		Blank Space		L3		Blank Space		36
37		Blank Space		L1		Blank Space		38
39		Blank Space		L2		Blank Space		40
41		Blank Space		L3		Blank Space		42

PANEL	PP - K			FEEDER		
FED FROM	MDP			NUMBER OF CONDUITS	1	
# CIRCUITS	84			FEEDER CONDUIT	3-1/2"	
HI VOLTAGE	208			WIRE SIZE L1	500 MCM	
LOW VOLTAGE	120			WIRE SIZE L2	500 MCM	
PHASE	3Y			WIRE SIZE L3	500 MCM	
DESIGN LOAD AMPS	400			WIRE SIZE NEUTRAL	500 MCM	
NEUTRAL BUS	YES			WIRE SIZE GROUND	# 3	
GROUND BUS	YES					
AVAILABLE FAULT CURRENT AT THIS PANEL	8,940	Amps				
MAIN LUG ONLY						

#	BKR	CIRCUIT DESCRIPTION	VA		VA	CIRCUIT DESCRIPTION	BKR	#
1	1P-20	Kitchen/Music/Green Rm Lighting	1,272	L1	720	Ext/Entry/Gather Recepts	1P-20	2
3	1P-20	RI Refrigerator (GFCI)	720	L2	1,260	Gather/Storage/Janitor/Seat Recepts	1P-20	4
5	1P-20	RI Refrigerator (GFCI)	720	L3	1,080	Sanct/Pantry/Storage/Music Recepts	1P-20	6
7	1P-20	RI Freezer (GFCI)	1,200	L1	900	Music Office/Rm Recepts	1P-20	8
9	1P-20	RI Freezer (GFCI)	1,200	L2	900	Music Rm/Green RR Recepts	1P-20	10
11	1P-20	Convection Oven (GFCI)	1,176	L3	900	Sanct/Music Rm Recepts	1P-20	12
13		===(Shunt Trip Brkr)===		L1	1,260	GreenRM/Ext/Back Stg Recepts	1P-20	14
15	1P-20	Spare		L2	360	Attic Corr/Storage Recepts	1P-20	16
17	1P-20	Kitchen Recepts	360	L3	12	HD Gas Range Power (GFCI)	1P-20	18
19	1P-20	Ice Machine	1,476	L1		===(Shunt Trip Brkr)====		20
21	1P-20	Kitchen Table Pendant Recept	1,200	L2		Spare	1P-20	22
23	1P-20	Kitchen Table Pendant Recept	1,200	L3	3,142	RTU - 9	2P-50	24
25	1P-20	Kitchen Table Pendant Recept	1,200	L1	3,142	====(See Note 15)====		26
27	1P-20	Kitchen Table Pendant Recept	1,200	L2	2,362	RTU - 10	2P-40	28
29		====(Brkr Lock)====	6,213	L3	2,362	====(See Note 15)====		30
31	3P-65	Dishwasher (GFCI)	6,213	L1	3,360	CU - 11	2P-60	32
33		====(See Note 15)====	6,213	L2	3,360	====(See Note 15)====		34
35	1P-15	Hot Water Heater	360	L3	1,200	F - 11	1P-15	36
37	1P-20	Spare		L1		Spare	1P-20	38
39	2P-40	CU - 12	2,039	L2		Spare	1P-20	40
41		====(See Note 15)====	2,039	L3	864	F - 12	1P-15	42
43	1P-20	Heated Holding Cabinet (GFCI)	1,840	L1	1,440	Kitchen Hood Controls	1P-15	44
45		===(Shunt Trip Brkr)===		L2	780	==========		46
47	1P-20	Convection Oven (GFCI)	1,176	L3	780	Kitchen Hood EF-1	3P-15	48
49		===(Shunt Trip Brkr)===		L1	780	====(See Note 15)====		50
51	1P-15	Kitchen Hood Lights (GFCI)	1,440	L2	648	Kitchen Hood EF-2	1P-15	52
53		===(Shunt Trip Brkr)===		L3	8,300	==========		54
55	1P-20	Spare		L1	8,300	Kitchen Hood SUP-3	3P-90	56
57		Blank Space		L2	8,300	====(See Note 15)====		58
59		Blank Space		L3	180	Kitchen Hood Roof Recept	1P-20	60
61		Blank Space		L1		Blank Space		62
63		Blank Space		L2		Blank Space		64
65		Blank Space		L3		Blank Space		66
67		Blank Space		L1		Blank Space		68
69		Blank Space		L2		Blank Space		70
71		Blank Space		L3		Blank Space		72
73		Blank Space		L1		Blank Space		74
75		Blank Space		L2		Blank Space		76
77		Blank Space		L3		Blank Space		78
79		Blank Space		L1		Blank Space		80
81		Blank Space		L2		Blank Space		82
83		Blank Space		L3		Blank Space		84

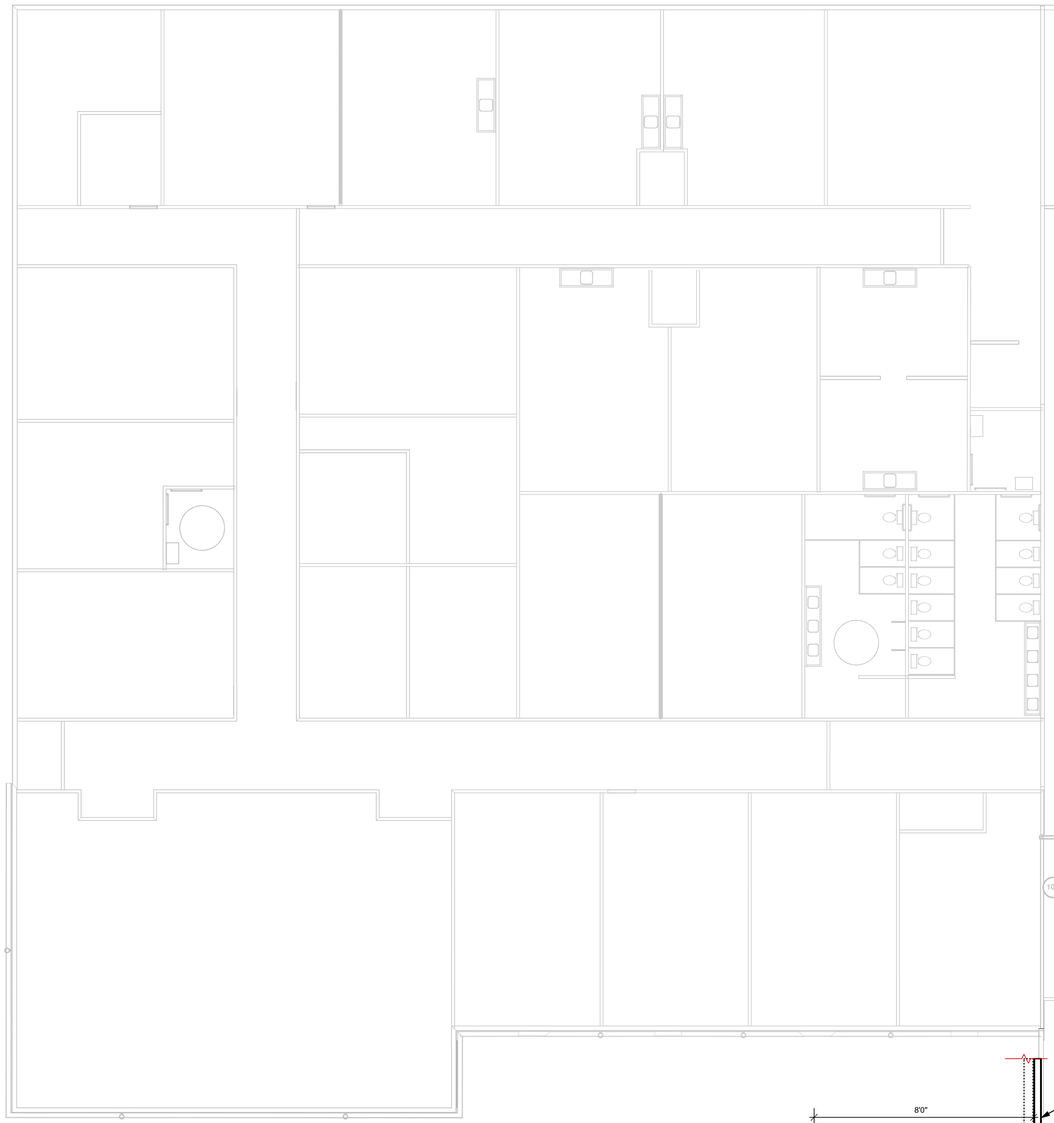
PANEL	PP - S			FEEDER		
FED FROM	MDP			NUMBER OF CONDUITS	1	
# CIRCUITS	42			FEEDER CONDUIT	3-1/2"	
HI VOLTAGE	208			WIRE SIZE L1	500 MCM	
LOW VOLTAGE	120			WIRE SIZE L2	500 MCM	
PHASE	3Y			WIRE SIZE L3	500 MCM	
DESIGN LOAD AMPS	400			WIRE SIZE NEUTRAL	500 MCM	
NEUTRAL BUS	YES			WIRE SIZE GROUND	# 3	
GROUND BUS	YES					
AVAILABLE FAULT CURRENT AT THIS PANEL	12,820	Amps				
MAIN LUG ONLY						

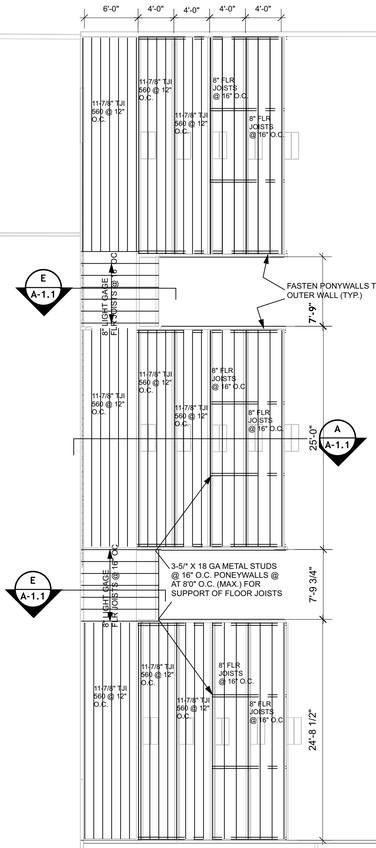
#	BKR	CIRCUIT DESCRIPTION	VA		VA	CIRCUIT DESCRIPTION	BKR	#
1	1P-20	Ext/Storage/Riser Recepts	540	L1	900	Stage Right/Back Stage Recepts	1P-20	2
3	1P-20	Stage Left Recepts	540	L2	900	Ext/Stage Left/Storage Recepts	1P-20	4
5	1P-20	Stage/Baptistry/Back Stg Recepts	720	L3	1,080	Ext/Sanctuary Left Recepts	1P-20	6
7	1P-20	Lift in Back Stage Area	1,200	L1		Spare	1P-20	8
9	1P-20	Em/BackStage/Baptry/Storg/StairLights	1,155	L2	3,933	RTU-8 (HACR)	2P-60	10
11	1P-20	Spare		L3	3,933	==== (See Note 15) =====		12
13		==========	4,304	L1	3,933	RTU-15 (HACR)	2P-60	14
15	3P-50	RTU-13 (HACR)	4,304	L2	3,933	==== (See Note 15) =====		16
17		==== (See Note 15) =====	4,304	L3	180	RTU-8 Recept	1P-20	18
19		==========	6,199	L1	180	Front Attic Recept	1P-20	20
21	3P-70	RTU-14a (HACR)	6,199	L2	180	Rear Attic Recept	1P-20	22
23		==== (See Note 15) =====	6,199	L3	6,000	Baptistry Heater/Controls	2P-60	24
25		==========	6,199	L1	6,000	==== (See Note 15) =====		26
27	3P-70	RTU-14b (HACR)	6,199	L2		=== (Shunt Trip Brkr) ===		28
29		==== (See Note 15) =====	6,199	L3		Shunt Trip Power	1P-15	30
31	1P-20	Spare		L1		Spare	1P-20	32
33	2P-50	RV Recept (GFCI Brkr)	4,160	L2		Blank Space		34
35		==== (See Note 15) =====	4,160	L3		Blank Space		36
37		Blank Space		L1		Blank Space		38
39		Blank Space		L2		Blank Space		40
41		Blank Space		L3		Blank Space		42

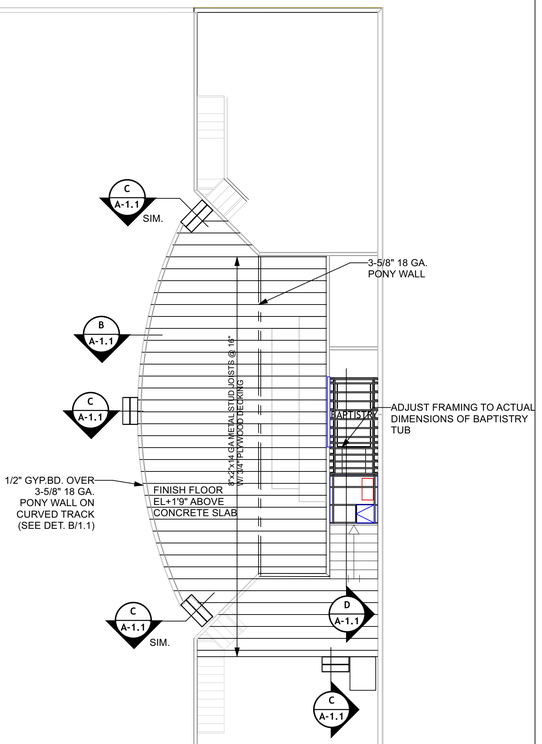
07/05/25
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 10229
ANTHONY L. SHERRILL

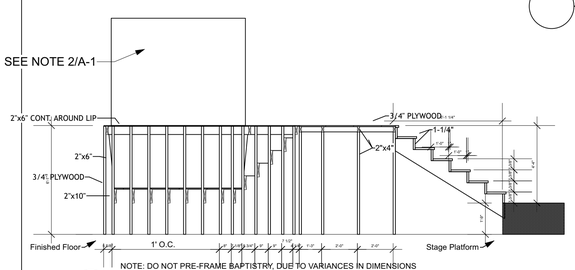
07/05/25
CERTIFICATE OF AUTHORIZATION
SHERRILL ELECTRICAL INC.
No. 1223
ARKANSAS

DESIGNED BY ANDY SHERRILL P.E.	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS		
DRAWN BY ZFM			
CHECKED BY NFM	TITLE PANEL SCHEDULES		
APPROVED BY			
OTHER APPROVALS	SIZE	CAGE CODE	DRAWING NUMBER E-8 REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE AS NOTED	EST. WGT	SHEET E-8 OF



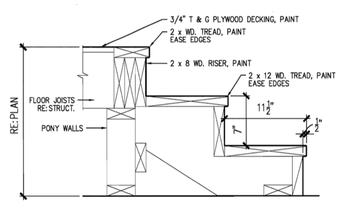




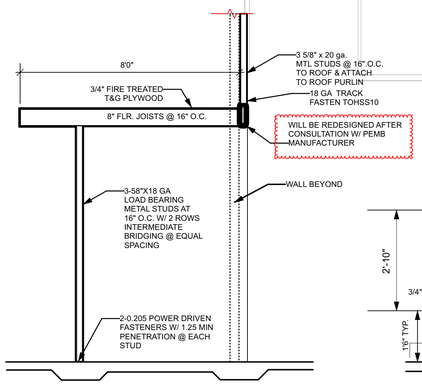


NOTE: DO NOT PRE-FRAME BAPTISTRY, DUE TO VARIANCES IN DIMENSIONS

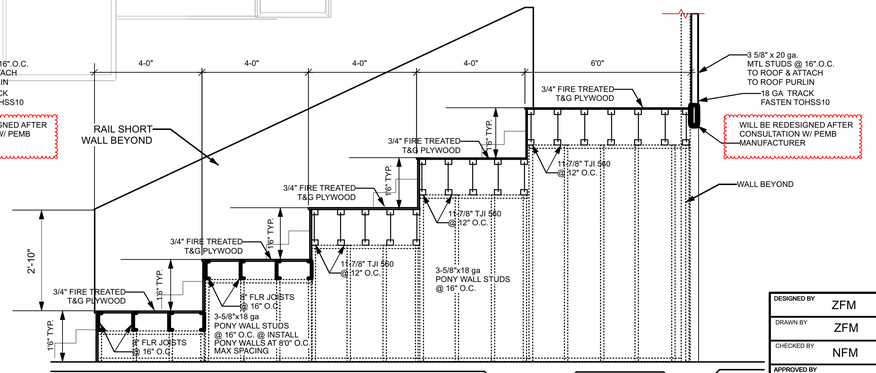
D BAPTISTRY FRAMING PLAN
Scale: 1/4" = 1'-0"



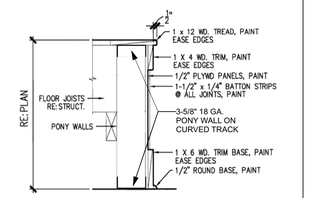
C SHORT STAIR FRAMING PLAN
Scale:1 1/2"= 1'-0"



E BALCONY FRAMING PLAN
Scale: 3/4" = 1'-0"



A BALCONY FRAMING PLAN
Scale: 3/4" = 1'-0"



B PLATFORM FRAMING PLAN
Scale:1 1/2"= 1'-0"

ZACHARY F. MOBLEY
REGISTERED ARCHITECT
NO. 2895
ARKANSAS

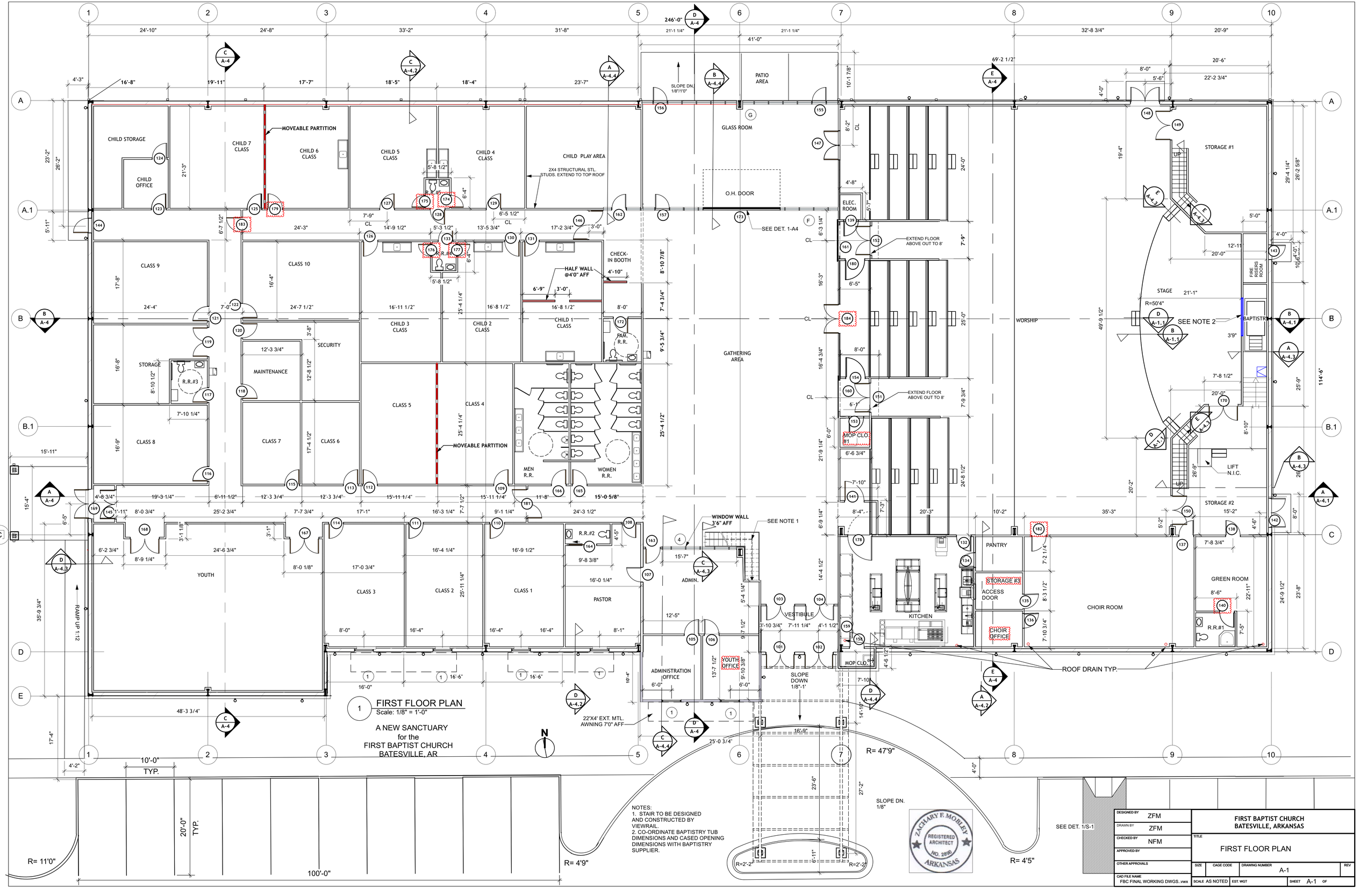
DESIGNED BY	ZFM
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS..vwx

FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

TITLE: STAGE & BALCONY FRAMING PLAN

SIZE	CAGE CODE	DRAWING NUMBER	REV
		A-1.1	

SCALE AS NOTED | EST. W/GT | SHEET A-1.1 OF



1 FIRST FLOOR PLAN
Scale: 1/8" = 1'-0"

A NEW SANCTUARY
for the
FIRST BAPTIST CHURCH
BATESVILLE, AR

NOTES:
1. STAIR TO BE DESIGNED AND CONSTRUCTED BY VIEWRAIL.
2. CO-ORDINATE BAPTISTRY TUB DIMENSIONS AND CASED OPENING DIMENSIONS WITH BAPTISTRY SUPPLIER.

ZACHARY F. MOBLEY
REGISTERED ARCHITECT
NO. 2898
ARKANSAS

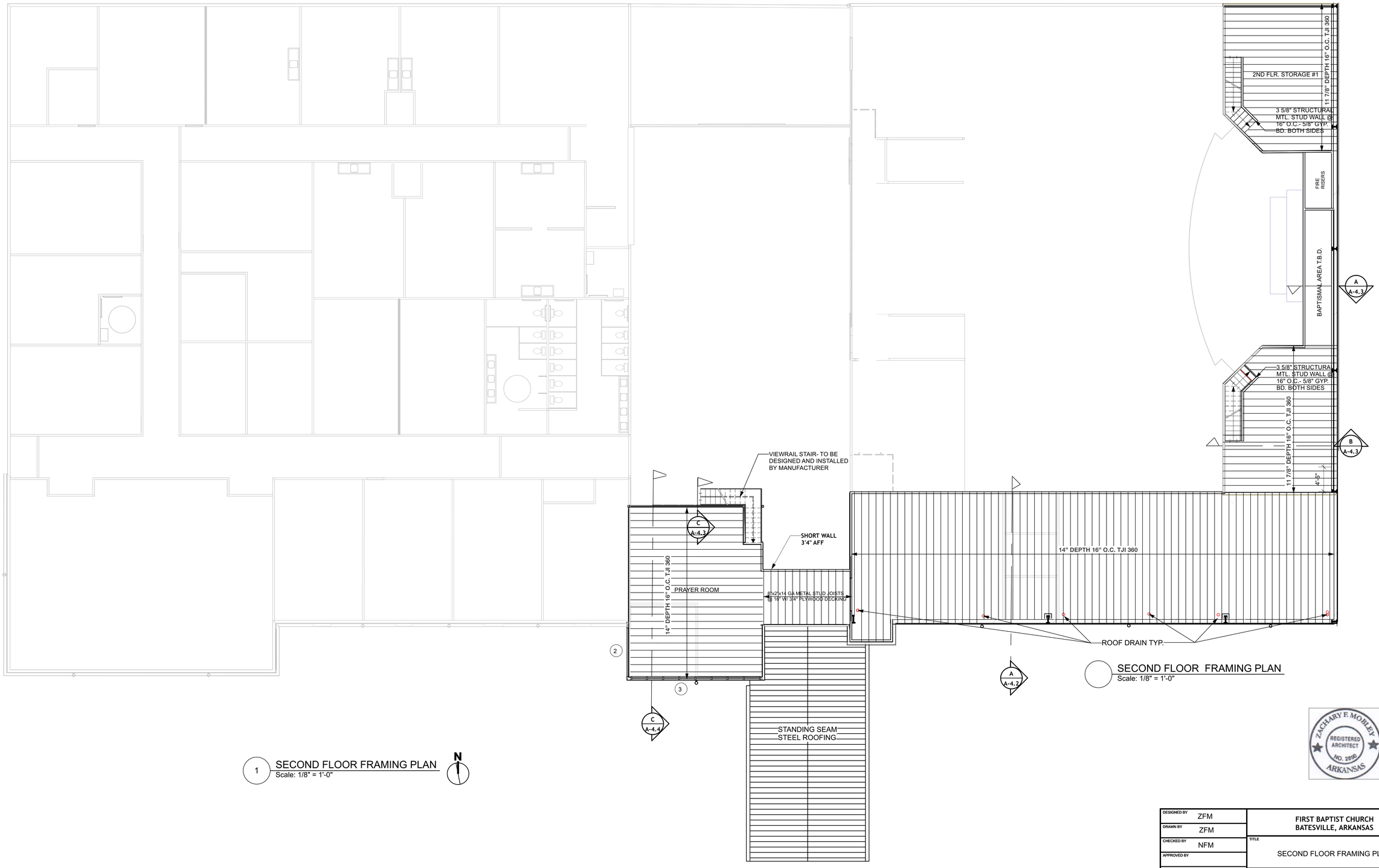
DESIGNED BY	ZFM
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS...vwx

FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

TITLE: FIRST FLOOR PLAN

SIZE	CAGE CODE	DRAWING NUMBER	REV
		A-1	

SCALE AS NOTED | EST. WGT | SHEET A-1 OF



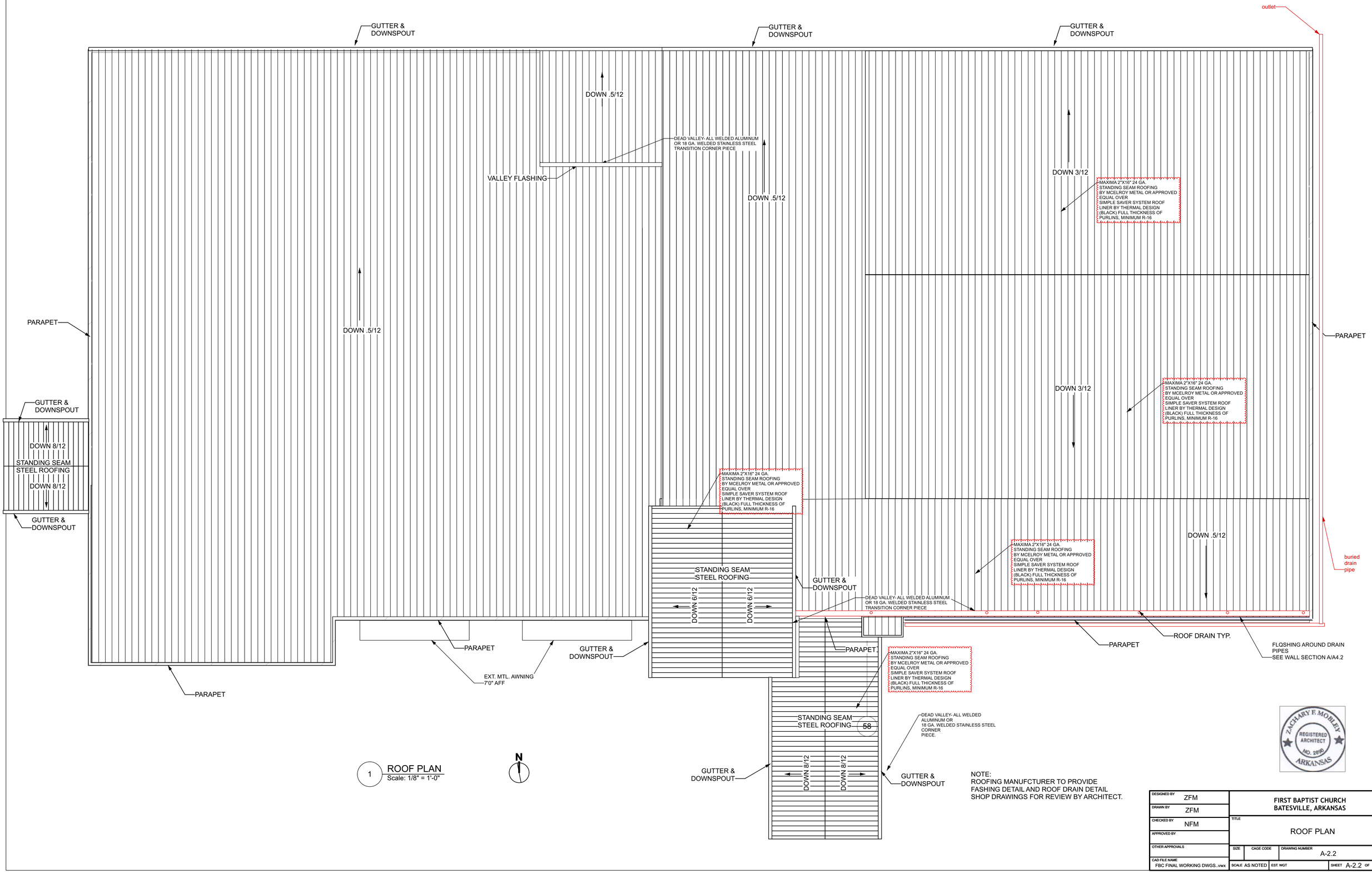
1 SECOND FLOOR FRAMING PLAN
Scale: 1/8" = 1'-0"

N

SECOND FLOOR FRAMING PLAN
Scale: 1/8" = 1'-0"

ZACHARY F. MOBLEY
REGISTERED ARCHITECT
NO. 2890
ARKANSAS

DESIGNED BY ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY ZFM	
CHECKED BY NFM	TITLE: SECOND FLOOR FRAMING PLAN
APPROVED BY	
OTHER APPROVALS	SIZE / CAGE CODE / DRAWING NUMBER A-2.1 / REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE AS NOTED / EST. WGT / SHEET A-2.1 OF



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

N

NOTE:
ROOFING MANUFCTURER TO PROVIDE FASHING DETAIL AND ROOF DRAIN DETAIL SHOP DRAWINGS FOR REVIEW BY ARCHITECT.

ZACHARY F. MOBLEY
REGISTERED ARCHITECT
NO. 2898
ARKANSAS

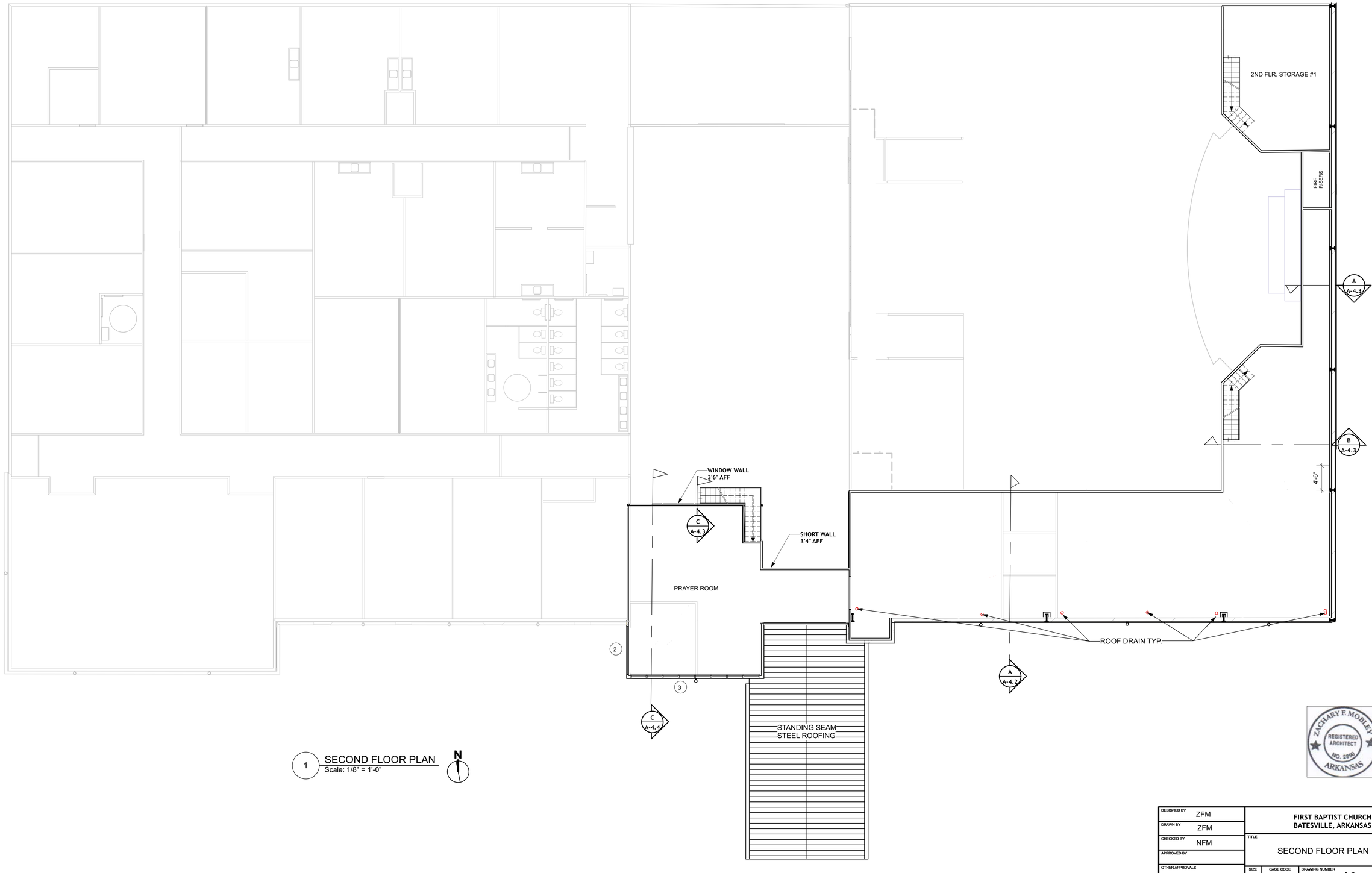
DESIGNED BY	ZFM
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS_vwx

FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

TITLE: ROOF PLAN

SIZE	CAGE CODE	DRAWING NUMBER	REV
		A-2.2	

SCALE AS NOTED | EST. WGT | SHEET A-2.2 OF

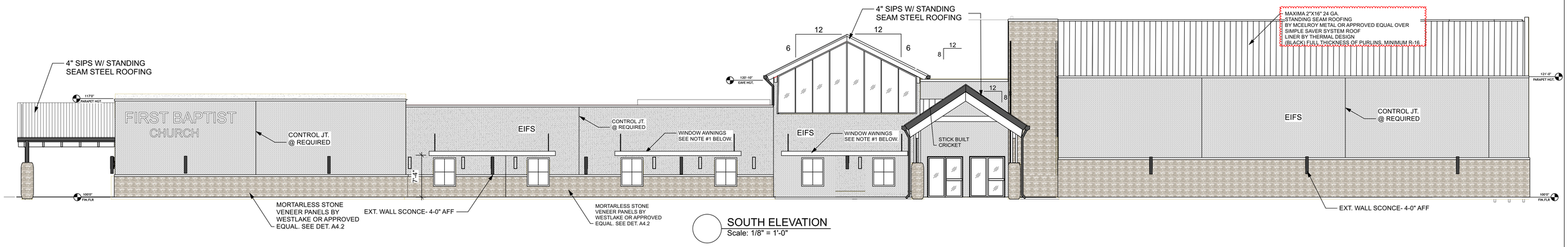


1 SECOND FLOOR PLAN
Scale: 1/8" = 1'-0"

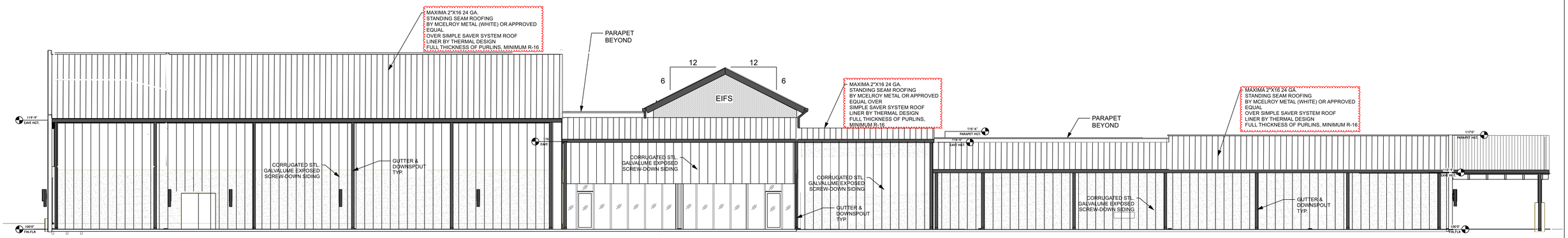
N

ZACHARY F. MOBLEY
REGISTERED ARCHITECT
NO. 2890
ARKANSAS

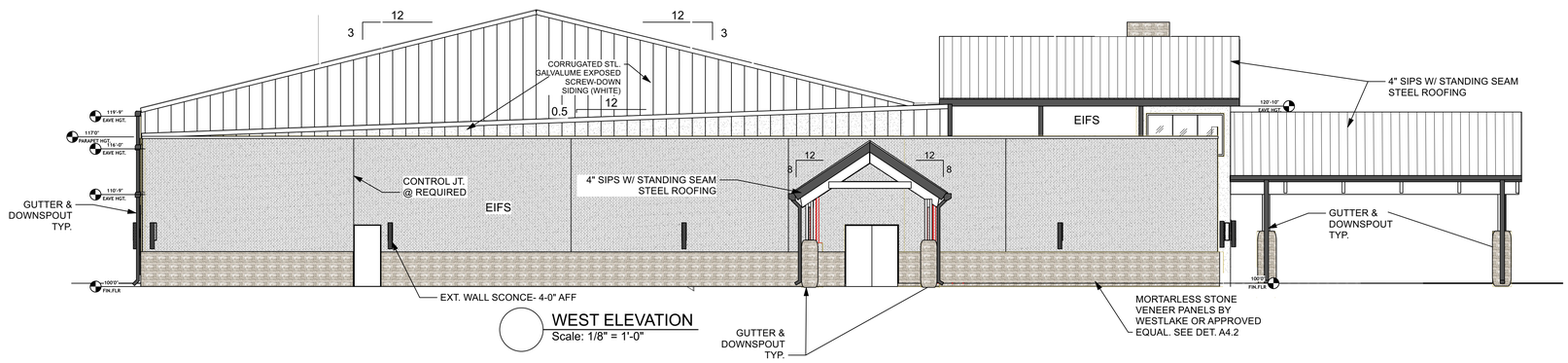
DESIGNED BY ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY ZFM	
CHECKED BY NFM	TITLE: SECOND FLOOR PLAN
APPROVED BY	
OTHER APPROVALS	SIZE / CAGE CODE / DRAWING NUMBER A-2 / REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE AS NOTED / EST. WGT / SHEET A-2 OF



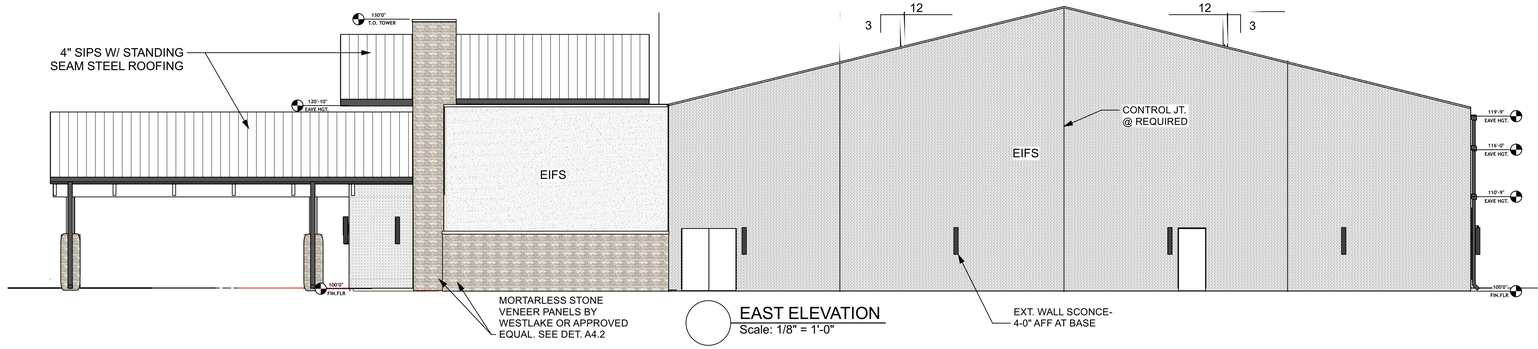
SOUTH ELEVATION
Scale: 1/8" = 1'-0"



NORTH ELEVATION
Scale: 1/8" = 1'-0"



WEST ELEVATION
Scale: 1/8" = 1'-0"



EAST ELEVATION
Scale: 1/8" = 1'-0"

ZACHARY F. MOBLEY
REGISTERED ARCHITECT
NO. 2890
ARKANSAS

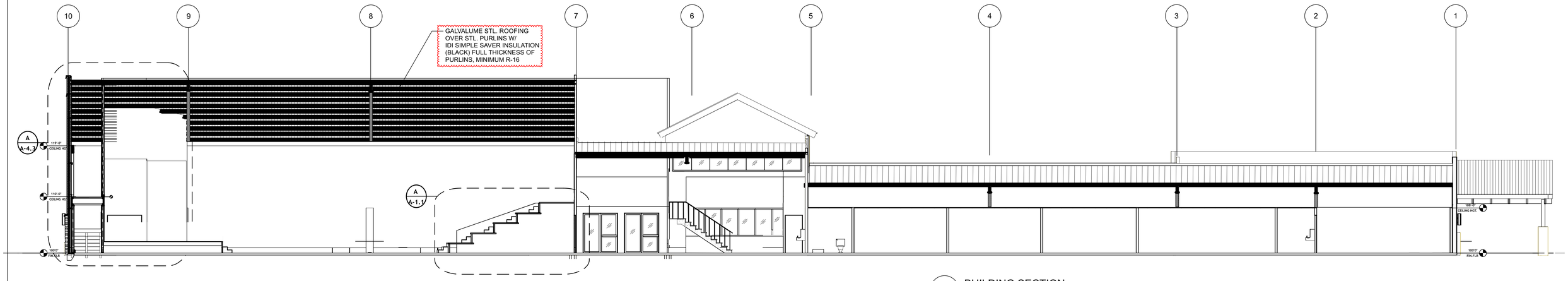
DESIGNED BY	ZFM
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS..vwx

FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

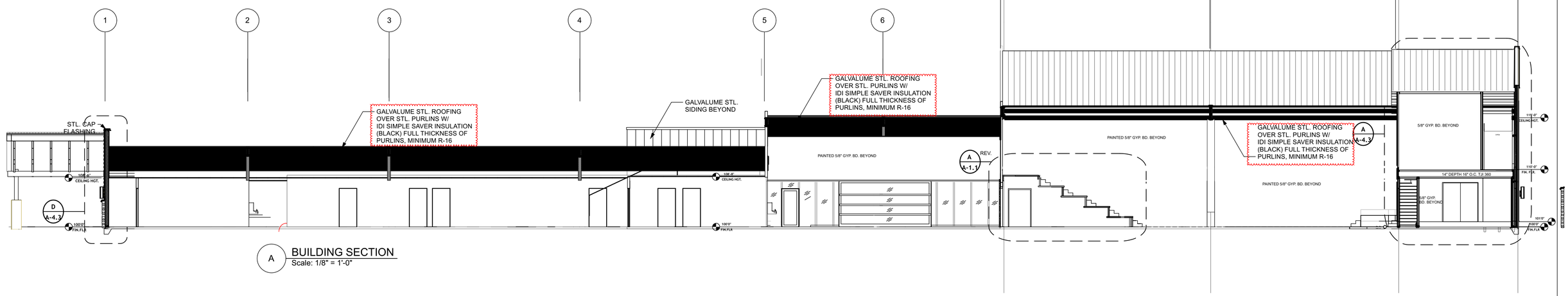
TITLE: BUILDING ELEVATIONS

SIZE	CAGE CODE	DRAWING NUMBER	REV
		A-3.0	

SCALE 1/8"=1' | EST. WGT | SHEET A-3.0 OF 2



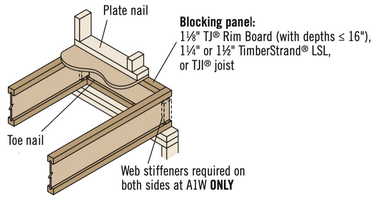
B BUILDING SECTION
Scale: 1/8" = 1'-0"

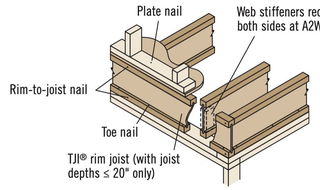


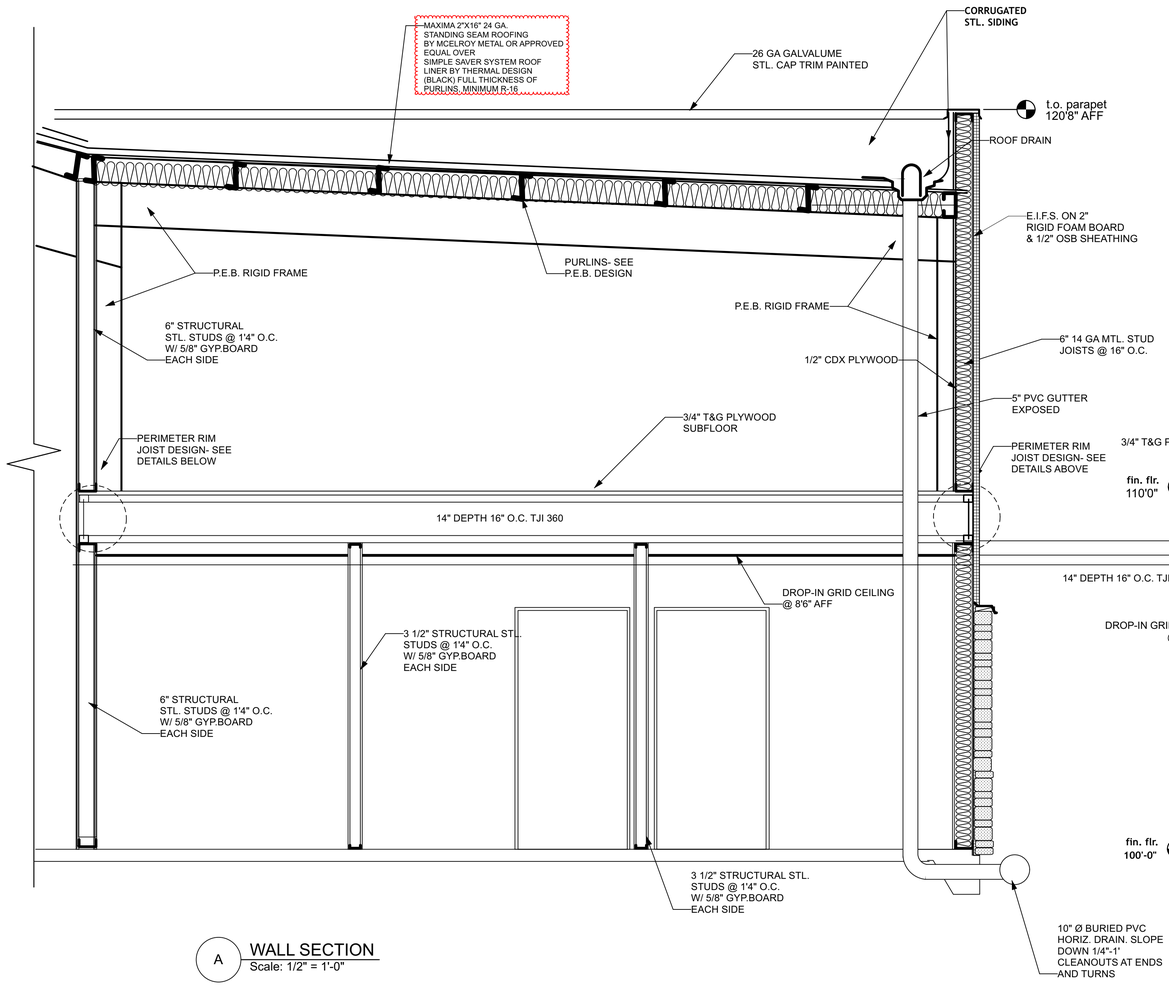
A BUILDING SECTION
Scale: 1/8" = 1'-0"

ZACHARY F. MOBLEY
REGISTERED ARCHITECT
NO. 2890
ARKANSAS

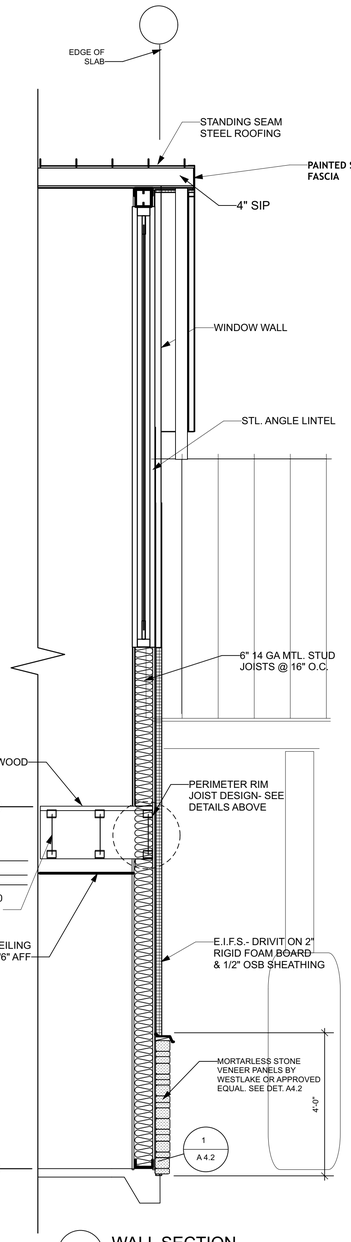
DESIGNED BY ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY ZFM	
CHECKED BY NFM	TITLE: BUILDING SECTIONS
APPROVED BY	
OTHER APPROVALS	SIZE / CAGE CODE / DRAWING NUMBER A-4.1 / REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE 1/8" = 1'-0" / EST. WGT / SHEET A-4.1 OF 2



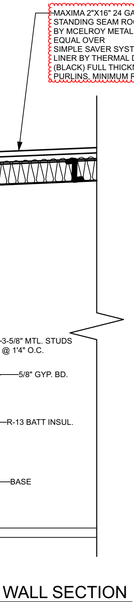




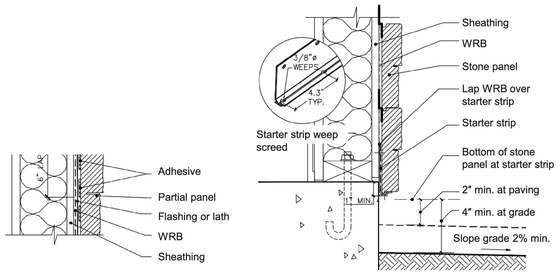
A WALL SECTION
Scale: 1/2" = 1'-0"



B WALL SECTION
Scale: 1/2" = 1'-0"

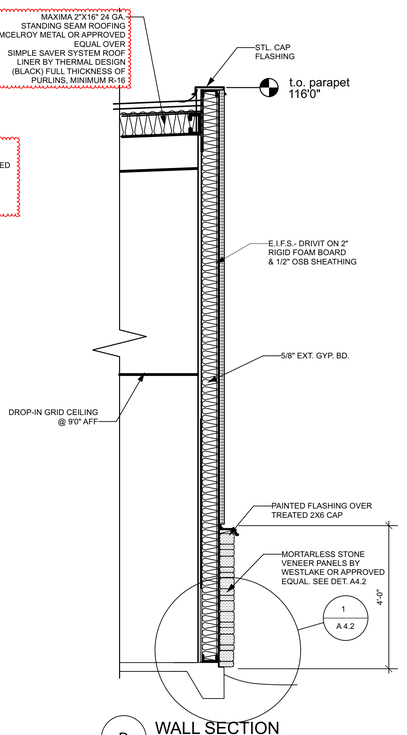


C WALL SECTION
Scale: 1/2" = 1'-0"



1 STONE WAINSCOTT DETAIL
Scale: 1/2" = 1'-0"

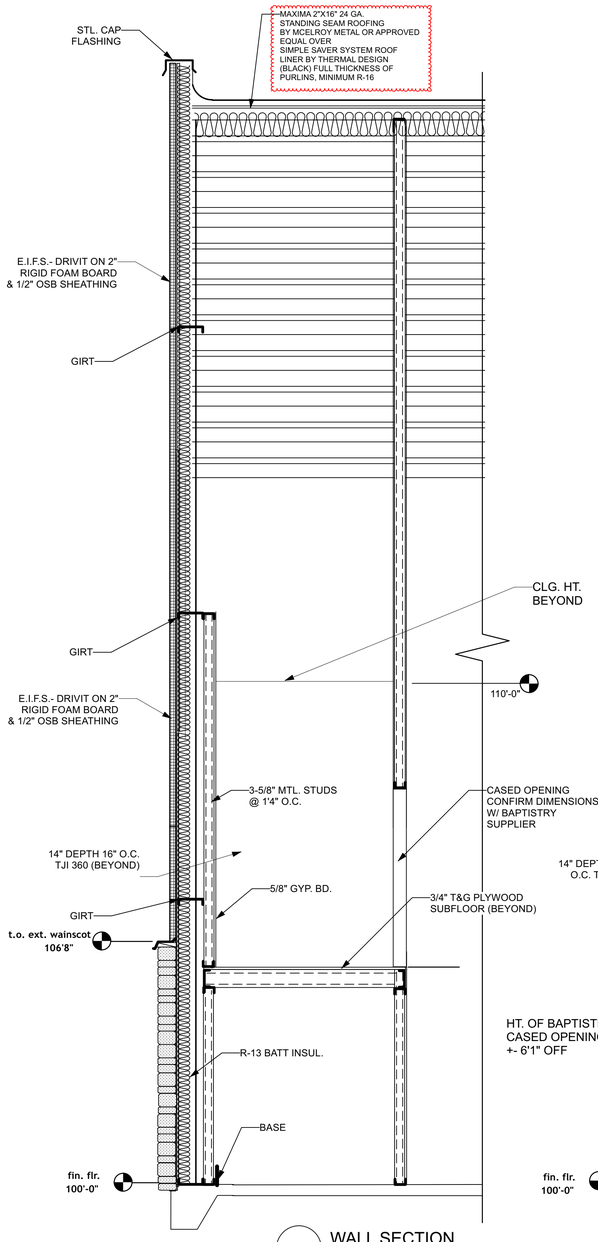
USE MORTARLESS STONE VENEER PANELS
BY WESTLAKE ROYAL STONE SOLUTIONS
OR APPROVED EQUAL.



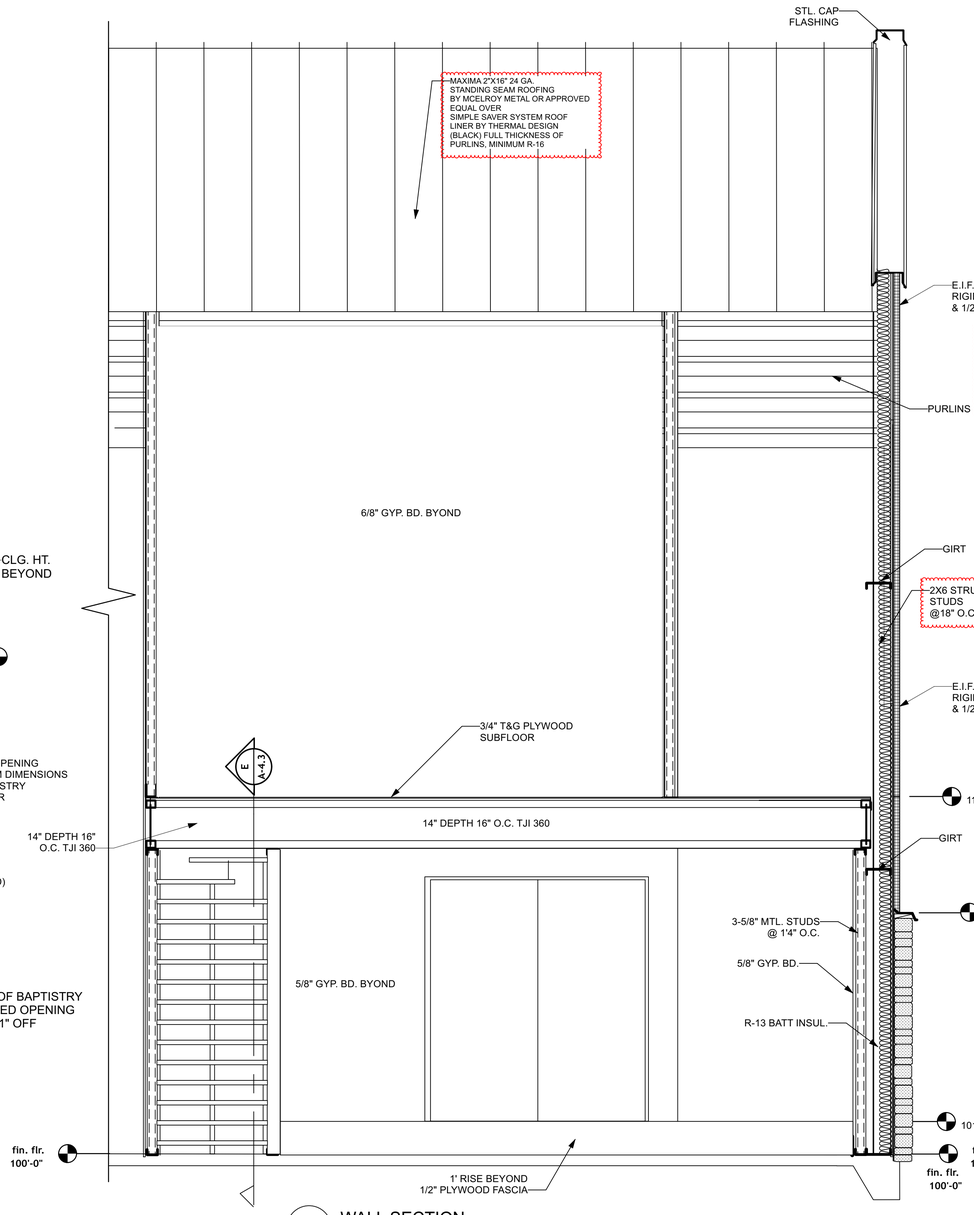
D WALL SECTION
Scale: 1/2" = 1'-0"

ZACHARY F. MOBLEY
REGISTERED
ARCHITECT
NO. 2890
ARKANSAS

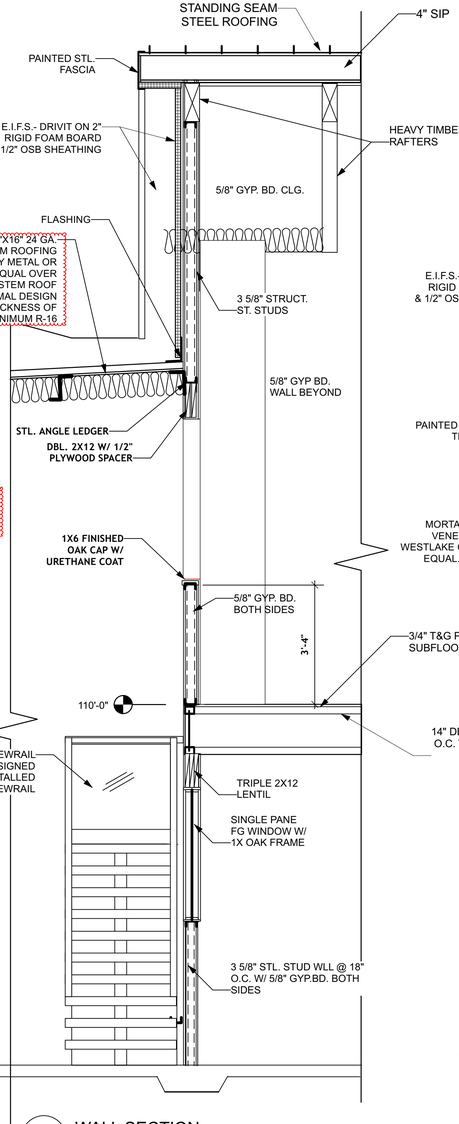
DESIGNED BY ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY ZFM	
CHECKED BY NFM	TITLE WALL SECTIONS & DETAILS
APPROVED BY	
OTHER APPROVALS	SIZE · CAGE CODE · DRAWING NUMBER A 4.2 · REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE 1/2"=1' · EST. WGT · SHEET A-4.2 OF



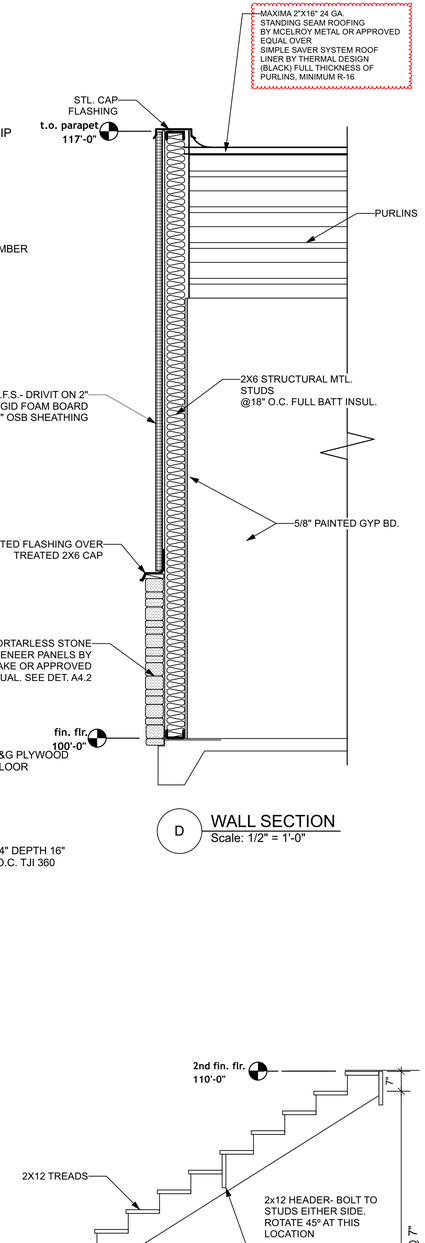
A WALL SECTION
Scale: 1/2" = 1'-0"



B WALL SECTION
Scale: 1/2" = 1'-0"

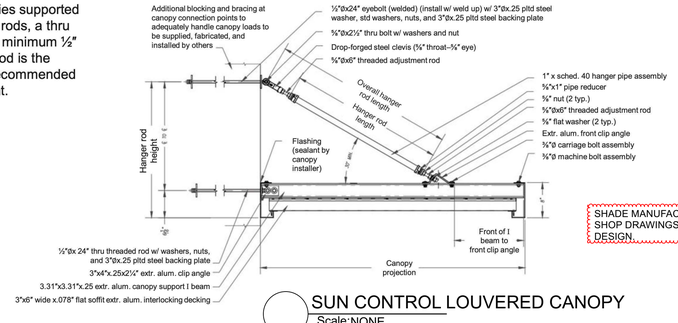


C WALL SECTION
Scale: 1/2" = 1'-0"



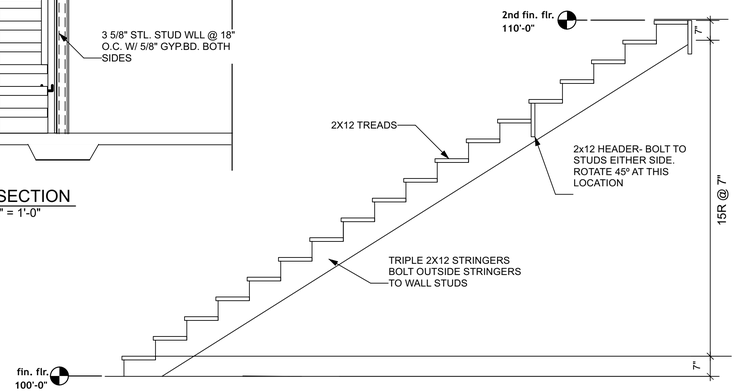
D WALL SECTION
Scale: 1/2" = 1'-0"

For canopies supported by hanger rods, a thru bolt with a minimum ½" threaded rod is the typically recommended attachment.



SHADE MANUFACTURER TO PROVIDE SHOP DRAWINGS W/ SHADE LOUVER DESIGN.

SUN CONTROL LOUVERED CANOPY
Scale:NONE



E STAIR DESIGN
Scale: 1/2" = 1'-0"

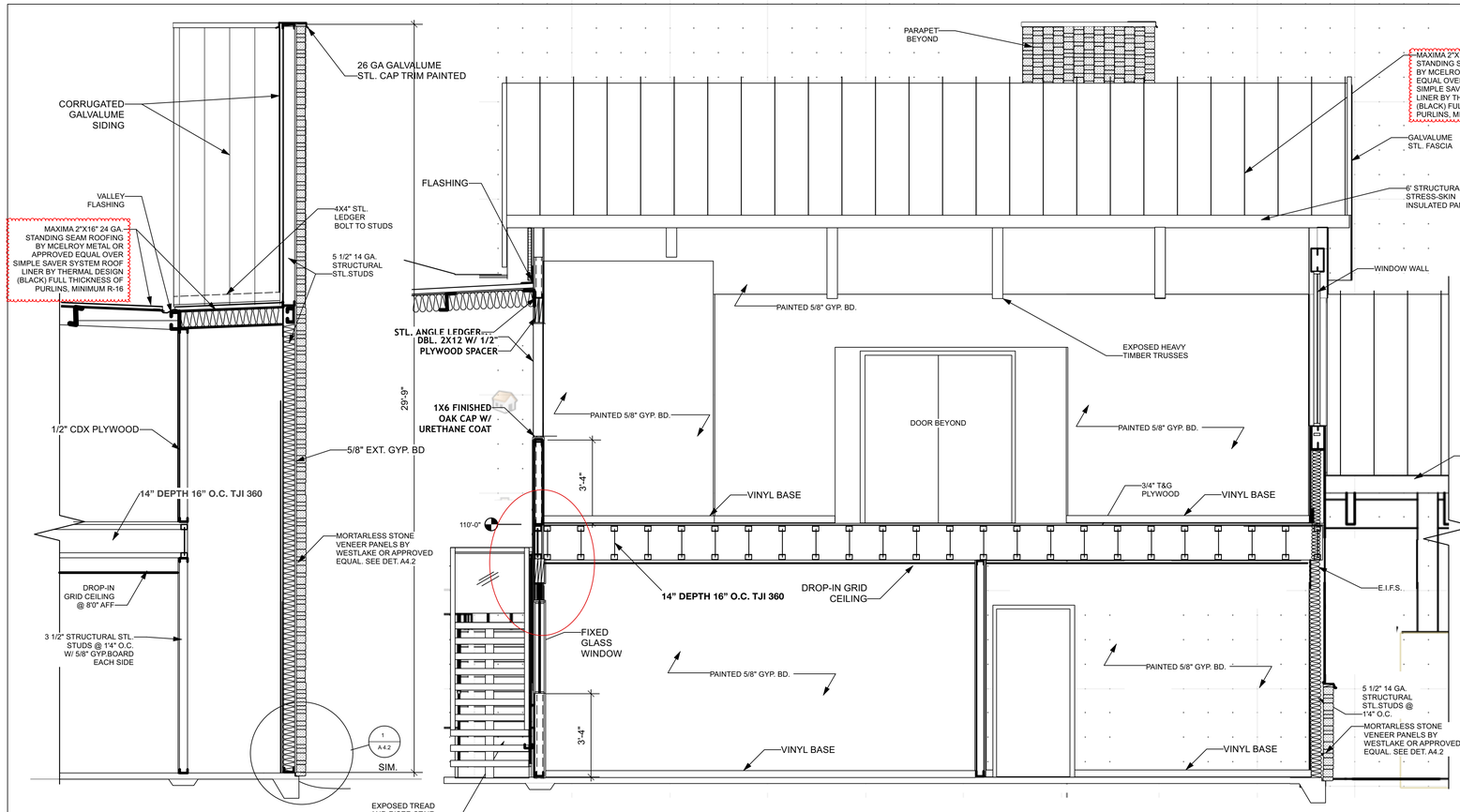
ZACHARY F. MOBLEY REGISTERED ARCHITECT NO. 2850 ARKANSAS

DESIGNED BY	ZFM
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS..vwx

FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

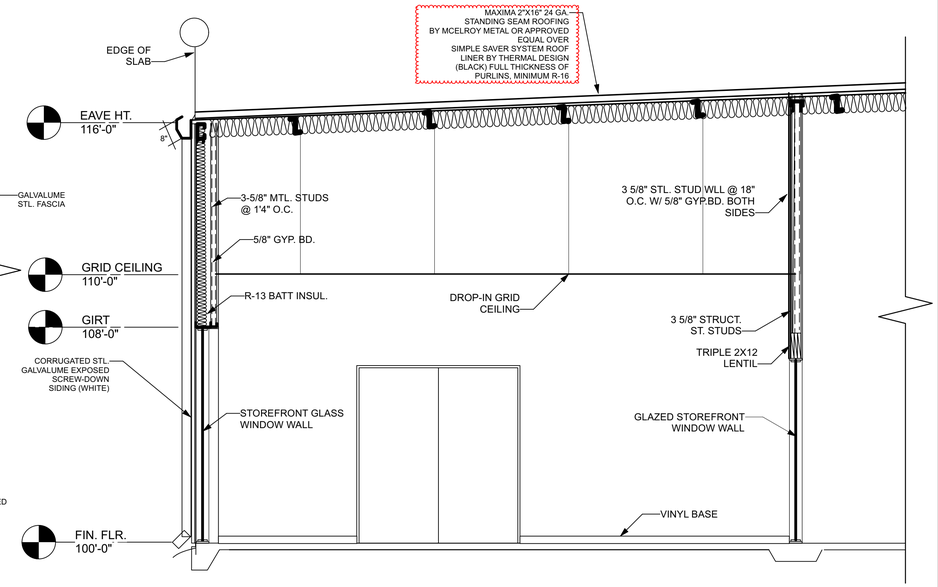
TITLE: WALL SECTIONS

SIZE	CAGE CODE	DRAWING NUMBER	REV
		A 4.3	
SCALE 1/4"=1'	EST. WGT	SHEET A-4.3 OF	

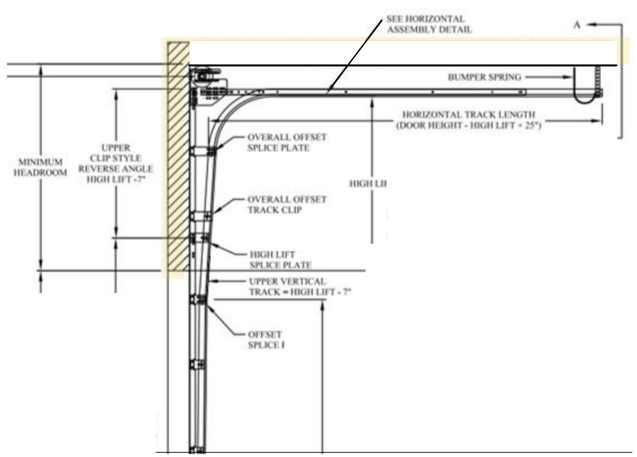


D WALL SECTION
Scale: 3/8" = 1'-0"

C WALL SECTION
Scale: 3/8" = 1'-0"

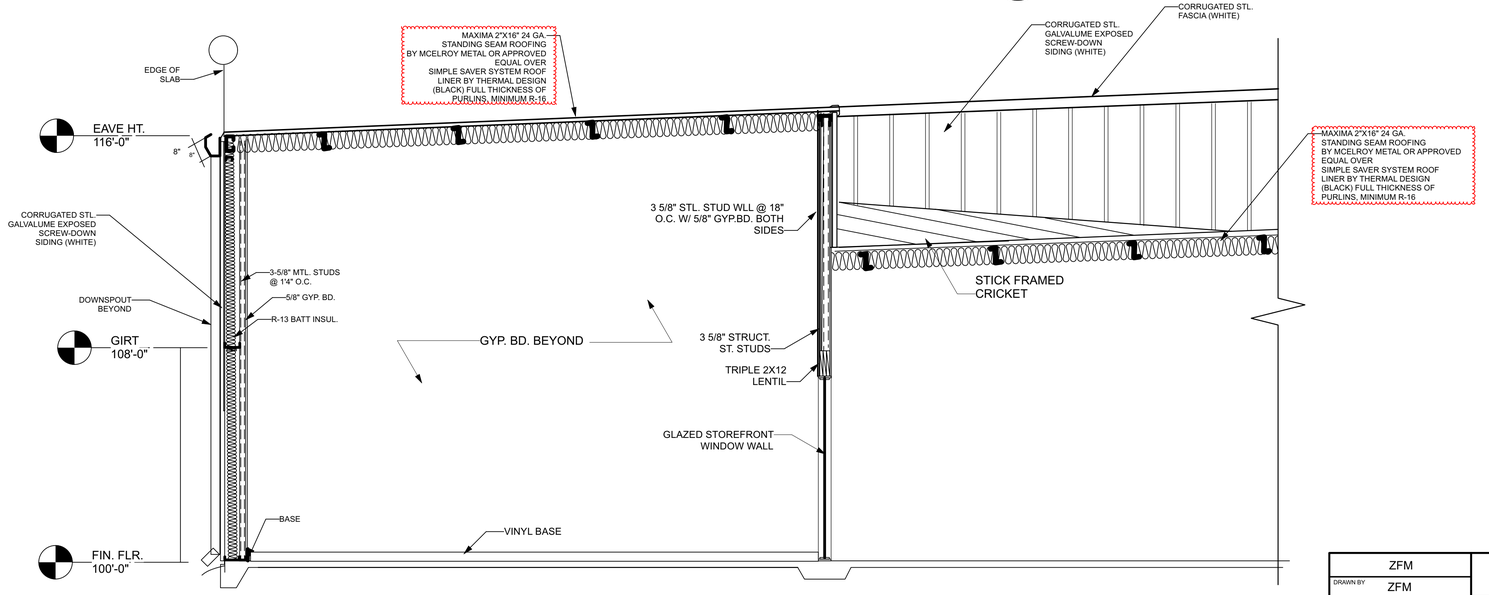


B WALL SECTION
Scale: 3/8" = 1'-0"



1 GENERIC HIGH LIFT OVERHEAD DOOR SECTION
Scale: NONE

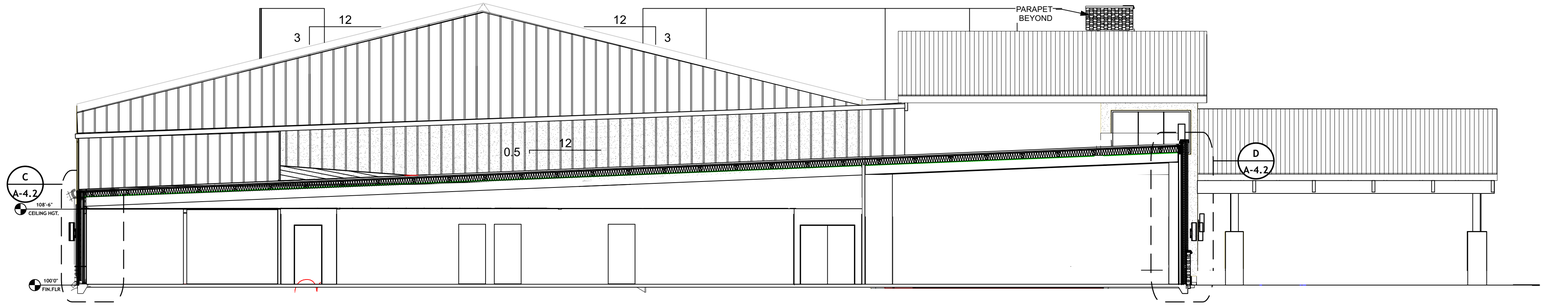
SHOWN TO ILLUSTRATE STYLE OF O.H. DOOR UNDER DROP IN CEILING. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF ACTUAL UNIT.



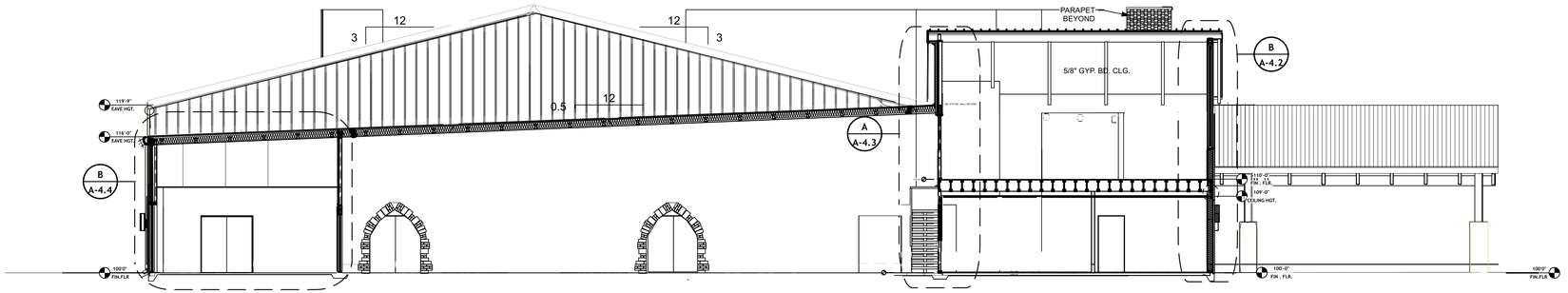
A WALL SECTION
Scale: 3/8" = 1'-0"

ZACHARY F. MOBLEY
REGISTERED ARCHITECT
NO. 2895
ARKANSAS

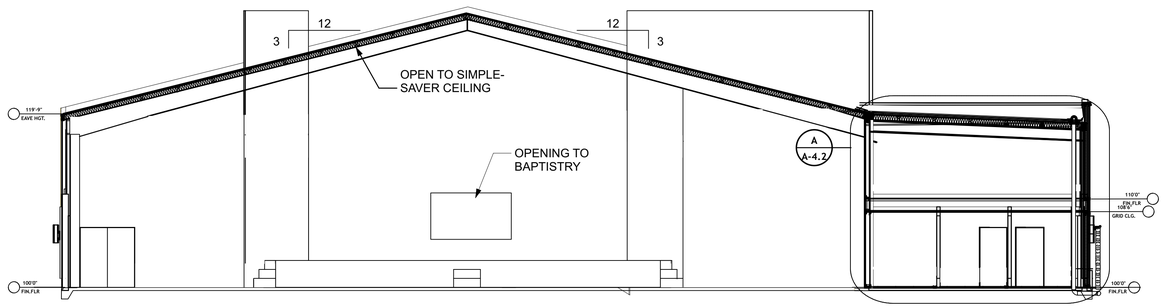
ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS		
DRAWN BY ZFM			
CHECKED BY NFM	TITLE WALL SECTIONS		
APPROVED BY			
OTHER APPROVALS	SIZE	CAGE CODE	DRAWING NUMBER A-4.4 REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE 1/4"=1'	EST. WGT	SHEET A-4.4 OF



C BUIDLING SECTION
Scale: 1/8" = 1'-0"



D BUILDING SECTION
Scale: 1/8" = 1'-0"



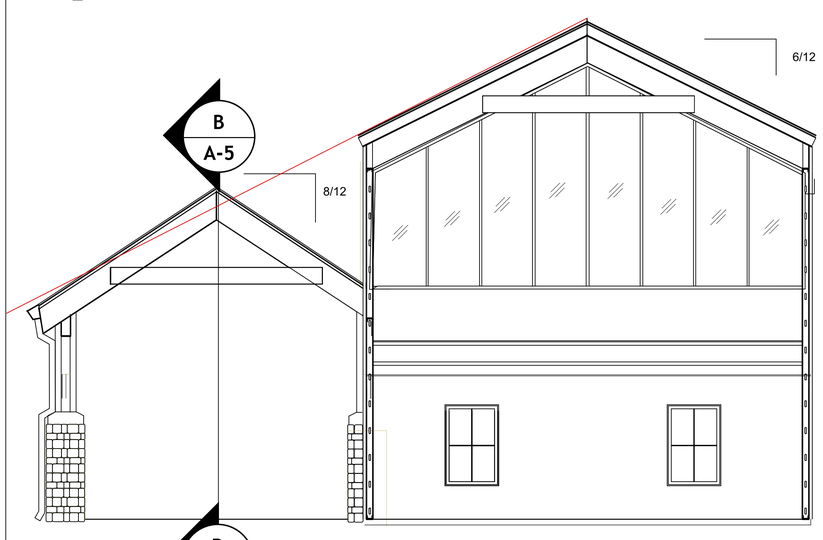
E BUILDING SECTION
Scale: 1/8" = 1'-0"

ZACHARY F. MOBLEY
REGISTERED
ARCHITECT
NO. 2690
ARKANSAS

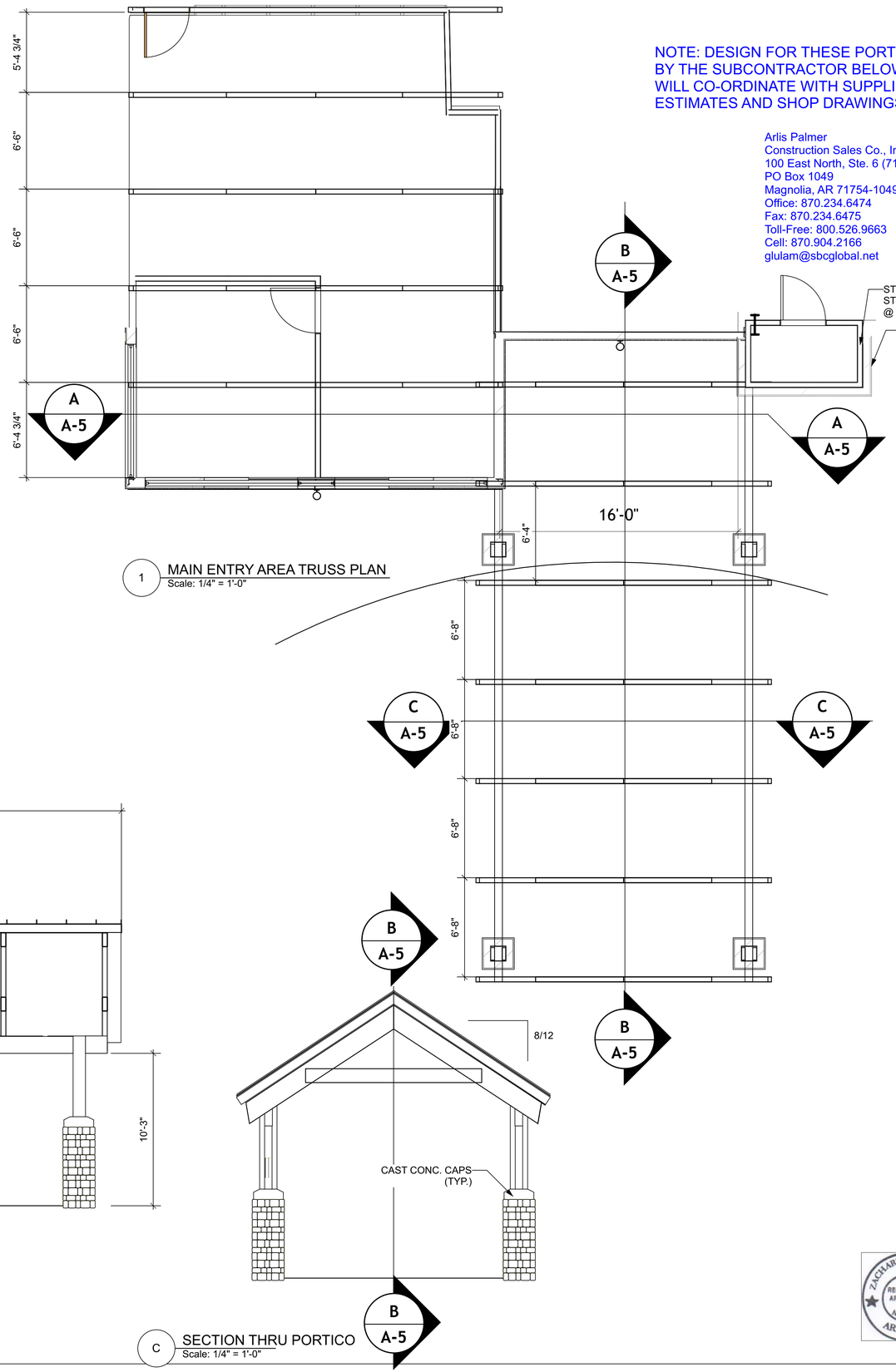
DESIGNED BY ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY ZFM	TITLE BUILDING SECTIONS
CHECKED BY NFM	
APPROVED BY	
OTHER APPROVALS	SIZE / CAGE CODE / DRAWING NUMBER A-4 / REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE AS NOTED / EST. WGT / SHEET A-4 OF 2

NOTE: DESIGN FOR THESE PORTICOS WILL BE DONE BY THE SUBCONTRACTOR BELOW. CONTRACTOR WILL CO-ORDINATE WITH SUPPLIER FOR COST ESTIMATES AND SHOP DRAWINGS.

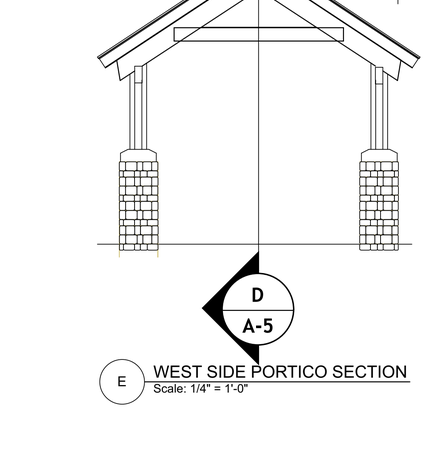
Arlis Palmer
Construction Sales Co., Inc.
100 East North, Ste. 6 (71753)
PO Box 1049
Magnolia, AR 71754-1049
Office: 870.234.6474
Fax: 870.234.6475
Toll-Free: 800.526.9663
Cell: 870.904.2166
glulam@sbcglobal.net



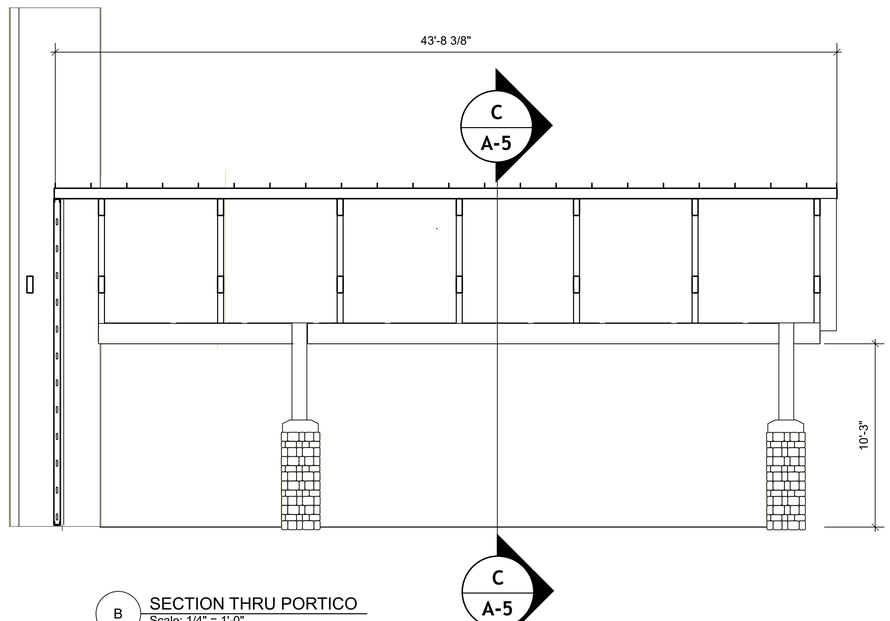
A SECTION THRU PRAYER TOWER AND PORTICO
Scale: 1/4" = 1'-0"



1 MAIN ENTRY AREA TRUSS PLAN
Scale: 1/4" = 1'-0"



D WEST SIDE PORTICO SECTION
Scale: 1/4" = 1'-0"



B SECTION THRU PORTICO
Scale: 1/4" = 1'-0"

C SECTION THRU PORTICO
Scale: 1/4" = 1'-0"

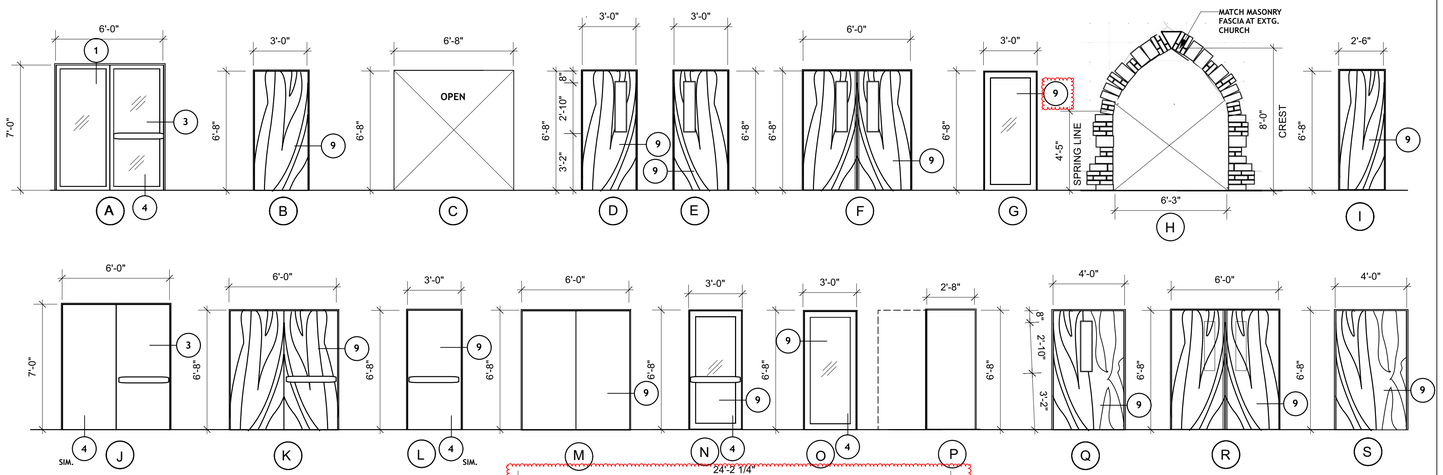
E WEST SIDE PORTICO SECTION
Scale: 1/4" = 1'-0"

ZACHARY F. MOBLEY REGISTERED ARCHITECT NO. 2690 ARKANSAS

DESIGNED BY ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY ZFM	TITLE: PORTICO DESIGNS
CHECKED BY NFM	
APPROVED BY	
OTHER APPROVALS	SIZE / CAGE CODE / DRAWING NUMBER A-5 / REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE AS NOTED / EST. WGT / SHEET A-5 OF

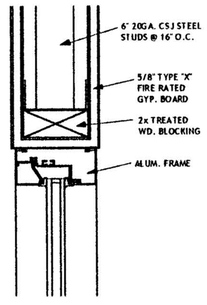
DOOR SCHEDULE

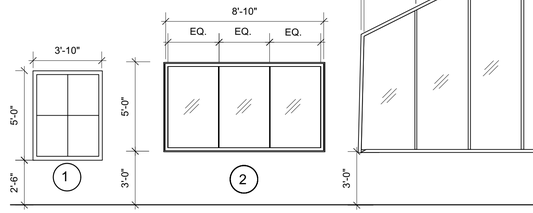
DOOR	TYPE	SIZE	THK	HINGE	CLOSER	WINDOW	MATERIAL	LOCKABLE	FRAME FINISH	HEAD	JAMB	FRM.DEPTH	HDWR. SET #	COMMENTS
101	A	6070		BOTH	YES	FULL GLASS	ANODIZED ALUM	YES						PANIC BAR, STORE FRONT DOOR
102	A	6070		BOTH	YES	FULL GLASS	ANODIZED ALUM	YES						PANIC BAR, STORE FRONT DOOR
103	A	6070		BOTH	YES	FULL GLASS	ANODIZED ALUM	NO						STORE FRONT DOOR
104	A	6070		BOTH	YES	FULL GLASS	ANODIZED ALUM	NO						STORE FRONT DOOR
105	B	3068		RH		NONE	SOLID WOOD	YES						
106	B	3068		LH		NONE	SOLID WOOD	YES						
107	B	3068		RH		NONE	SOLID WOOD	YES						
108	B	3068		LH		6"x27"	SOLID WOOD	YES						
109	E	3068		RH		6"x27"	SOLID WOOD	NO						
110	E	3068		RH		6"x27"	SOLID WOOD	NO						
111	E	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		RH		6"x27"	SOLID WOOD	NO						
116	D	3068		LH		6"x27"	SOLID WOOD	NO						
117	B	3068		LH		NONE	SOLID WOOD	PRIVACY						
118	B	3068		RH		NONE	SOLID WOOD	YES						
119	M	6068		BOTH		NONE	HOLLOW METAL	YES						
120	B	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	B	3068		RH		NONE	SOLID WOOD	YES						
124	E	3068		RH		6"x27"	SOLID WOOD	YES						
125	E	3068		RH		6"x27"	SOLID WOOD	NO						
126	E	3068		RH		6"X27"	SOLID WOOD	NO						
127	E	3068		RH		6"X27"	SOLID WOOD	NO						
128	B	3068		LH		NONE	SOLID WOOD	YES						
129	E	3068		RH		6"X27"	SOLID WOOD	NO						
130	E	3068		LH		6"X27"	SOLID WOOD	NO						
131	D	3068		RH		6"X27"	SOLID WOOD	NO						
132	B	3068		LH		NONE	SOLID WOOD	YES						
133	B	3068		RH		NONE	SOLID WOOD	YES						
134	B	3068		RH		NONE	SOLID WOOD	YES						
135	B	3068		LH		NONE	SOLID WOOD	YES						
136	B	3068		LH		NONE	SOLID WOOD	YES						
137	B	3068		RH		NONE	SOLID WOOD	NO						
138	B	3068		LH		NONE	SOLID WOOD	YES						
139	B	3068		RH		NONE	SOLID WOOD	NO						
140	B	3068		LH		NONE	SOLID WOOD	PRIVACY						
141	B	3068		RH		NONE	SOLID WOOD	NO						
142	J	6868		BOTH		NONE	HOLLOW METAL	YES						DOOR PINS ONE SIDE, PANIC BAR OTHER
143	F	3068		LH		NONE	HOLLOW METAL	YES						
144	L	3068		RH		NONE	HOLLOW DOOR	YES						PANIC BAR
145	K	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	K	6068		BOTH	YES	NONE	SOLID WOOD	YES						PANIC BAR
151	K	6068		BOTH	YES	NONE	SOLID WOOD	YES						PANIC BAR
152	K	6068		BOTH	YES	NONE	SOLID WOOD	YES						PANIC BAR
153	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	O	3068		LH	YES	FULL GLASS	ANODIZED ALUM	YES						
157	G	3668		LH	NO	FULL GLASS	ANODIZED ALUM	NO						STORE FRONT DOOR
158	I	2868		RH	NO	NONE	H.C. WOOD	NO						
159	M	6068		BOTH	NO	NONE	HOLLOW METAL	NO						THIS DOOR IS ON 2ND FLOOR
160	H	6480												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	P	2868		RH		NONE	H.C.WOOD	NO						POCKET DOOR
165	B	3068		LH	YES	NONE	SOLID WOOD	NO						
166	B	3068		RH	YES	NONE	SOLID WOOD	NO						
167	F	6068		BOTH	NO	6"X27"	SOLID WOOD	NO						
168	F	6068		BOTH	NO	NONE	SOLID WOOD	NO						
169	J	6068		BOTH	NO	NONE	HOLLOW METAL	YES						PANIC HARDWARE
170	R	6068		BOTH	NO	NONE	SOLID WOOD	NO						
171	F	6068		BOTH	NO	6"X27"	SOLID WOOD	NO						DOUBLE EGRSS
172	Q	4068		LH	NO	NONE	SOLID WOOD	PRIVACY						DOUBLE ACTING
173	T	16070				GLASS PANELS	AS REQ'D	NO						GLASS PANELED OH DOOR
174	I	2668		RH	NO	NONE	SOLID WOOD	NO						
175	I	2668		LH	NO	NONE	SOLID WOOD	NO						
176	I	2668		RH	NO	NONE	SOLID WOOD	NO						
177	I	2668		LH	NO	NONE	SOLID WOOD	NO						
178	Q	4068		RH	NO	6"X27"	SOLID WOOD	NO						DOUBLE ACTING
179	E	3068		LH	NO	6"X27"	SOLID WOOD	NO						
180	S	4068		LH	NO	NONE	SOLID WOOD	YES						
181	F	6068		BOTH	NO	6"X27"	SOLID WOOD	NO						DOUBLE ACTING
182	B	3068		RH	NO	NONE	SOLID WOOD	NO						
183	B	3068		RH	NO	NONE	SOLID WOOD	NO						
184	R	6068		BOTH	NO	NONE	SOLID WOOD	NO						



DOOR TYPE SCHEDULE

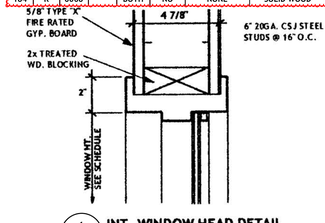
1/4" = 1'0"



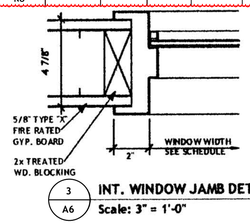


WINDOW TYPE SCHEDULE

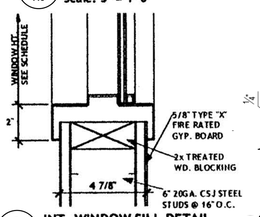
1/4" = 1'0"



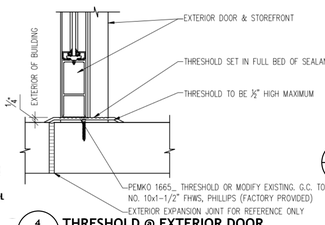
1 / A6 INT. WINDOW HEAD DETAIL
Scale: 3" = 1'-0"



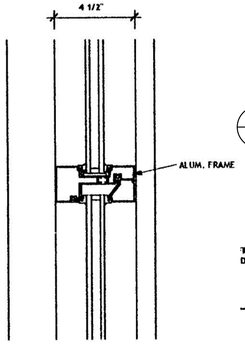
3 / A6 INT. WINDOW JAMB DETAIL
Scale: 3" = 1'-0"



2 / A6 INT. WINDOW SILL DETAIL
Scale: 3" = 1'-0"

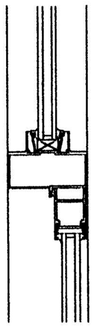


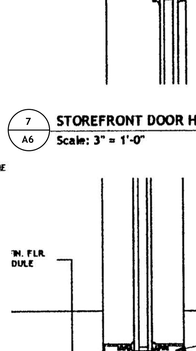
4 / A6 THRESHOLD @ EXTERIOR DOOR
Scale: NONE



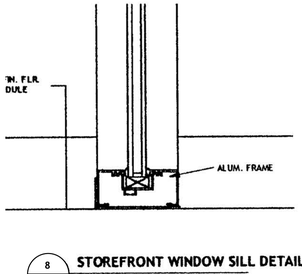
5 / A6 STOREFRONT MUNTIN DETAIL
Scale: 3" = 1'-0"

6 / A6 STOREFRONT WINDOW HEAD DETAIL
Scale: 3" = 1'-0"

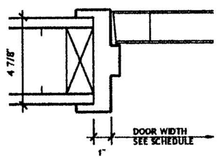




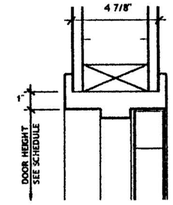
7 / A6 STOREFRONT DOOR HEAD DETAIL
Scale: 3" = 1'-0"



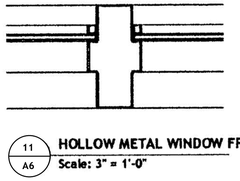
8 / A6 STOREFRONT WINDOW SILL DETAIL
Scale: 3" = 1'-0"



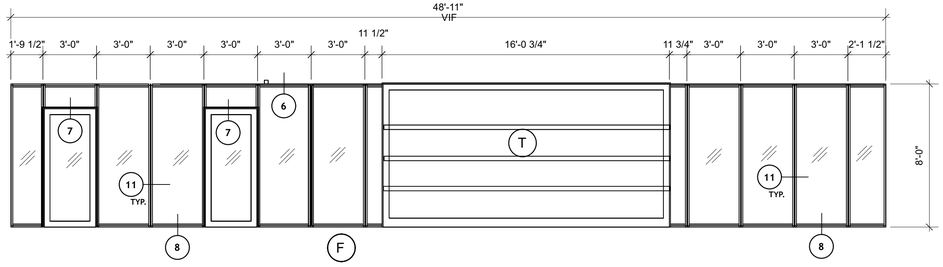
9 / A6 DOOR JAMB DETAIL
Scale: 3" = 1'-0"

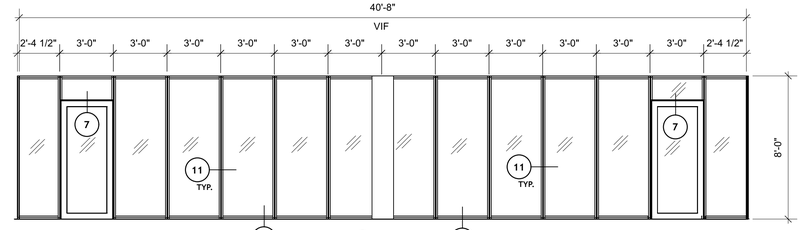


10 / A6 DOOR HEAD DETAIL
Scale: 3" = 1'-0"



11 / A6 HOLLOW METAL WINDOW FRAMES
Scale: 3" = 1'-0"





STOREFRONT GLASS TYPE SCHEDULE

1/4" = 1'0"

ZACHARY F. MOBLEY REGISTERED ARCHITECT NO. 26975 ARKANSAS

DESIGNED BY	ZFM
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS..vwx

FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

TITLE: DOOR & WINDOW DESIGN & SCHEDULES

SIZE	CAGE CODE	DRAWING NUMBER	REV
		A-6	

SCALE AS NOTED | EST. WGT | SHEET A-6 OF

Floor Type By Location (image of floor material, internet images OK)

Location	Material	Color	Sample/ Photo	URL
Stage	Masonite	Black		https://hstech.org/how-to-tech/platforming-things-to-stand-on-stage-decks-etc/laying-a-masonite-deck/
Worship Center Floor	Carpet Tile	NextFloor Development 811 010 Gunmetal		https://www.nextfloor.net/?roomvoStartVisualizer=true&sku=811%20010
Risers	Masonite	Black		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-quarry-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_keywordid=&g_network=x&gad_source=1&gclid=Cj0KCQjwtZK1BhDuARIsAAy2VzuW2uewf4e_cCB8SFlKy6pp135w9VfYmmib2zP3Oym-i9JHg0unboMaAmT8EALw_wcB
Gathering Space	Polished Concrete	Color to be determined		From the CPC Aggregate Exposure Chart: Fine Aggregate (B) From CPC Best Practices: we desire to see a mockup From CPC Best Practices: we desire a Pre-Pour Meeting From CPC Best Practices: Floor Flatness (FF) - as flat as possible (we don't have access to specification numbers) From CPC Best Practices Floor Levelness (FL) - as level as possible (we don't have access to specification numbers) Remarks to contractor from best practices: dye color and sectioning to be determined at a pre-pour meeting with Architect, Owner, Contractor, and Subcontractor. Also to be discussed at the pre-pour meeting: mix design, floor flatness (FF), floor levelness (FL), concrete finishing, concrete curing
Prayer Tower	Carpet Tile	NextFloor Development 811 010 Gunmetal		https://www.nextfloor.net/?roomvoStartVisualizer=true&sku=811%20010
Offices	Carpet Tile	NextFloor Development 811 010 Gunmetal		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/premium-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/premium-excelon-crown-texture/item/5c234.html
Hallways in Main Building	Linoleum Tile	Armstrong Premium Excelon Crown Texture 5C234		https://www.armstrongflooring.com/commercial/en-us/products/vinyl-composition-tile/premium-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-Semi-Transparent-Water-Based-Interior-Exterior-Concrete-Stain-SS004-1QT/321493997?g_store=&source=shoppingads&locale=en-US&pla&mtc=SHOPPING-BF-CDP-GGL-D24-024_012_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-NA-PLALIA-NA-NA-NA-NA-NBR-NA-NA-NA-FY21_Exterior_PLALIA-7170000007582649-58700006496586422-92700058691145319&gad_source=1&gclid=Cj0KCQjwtZK1BhDuARIsAAy2VzvWWyYzlB4NQOOLRVr-7x9DjOHz_eTHi-AXr1y7K2QWtMSDa--dQaAt5qEALw_wcB&gclsrc=aw.ds#/overlay

Wall Colors (swatches, color codes)

Location	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-westhighland-white
Gathering Space	Sherman Williams Eggshell	SW7566 Westhighland White	See URL	https://www.sherwin-williams.com/en-us/color/color-family/white-paint-colors/SW7566-westhighland-white
Prayer Tower	Sherman Williams Eggshell	SW7566 Westhighland White	See URL	https://www.sherwin-williams.com/en-us/color/color-family/white-paint-colors/SW7566-westhighland-white
Office Walls	Sherman Williams Eggshell	SW7105 Paperwhite	See URL	https://www.sherwin-williams.com/en-us/color/color-family/white-paint-colors/SW7105-paperwhite
Bathrooms	Sherman Williams Semi-Gloss	SW7105 Paperwhite	See URL	https://www.sherwin-williams.com/en-us/color/color-family/white-paint-colors/SW7105-paperwhite
Hallways	Sherman Williams Eggshell	SW9085 Touch of Sand	See URL	https://www.sherwin-williams.com/en-us/color/color-family/orange-paint-colors/SW9085-touch-of-sand
Classrooms	Sherman Williams Eggshell	SW7105 Paperwhite	See URL	https://www.sherwin-williams.com/en-us/color/color-family/white-paint-colors/SW7105-paperwhite
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-touch-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-paperwhite
Hallway/Office Trim	Sherman Williams Eggshell	SW9088 Utaupeia	See URL	https://www.sherwin-williams.com/en-us/color/color-family/orange-paint-colors/SW9088-utaupeia

Ceilings - Types and Colors

Location	Material	Color	Sample/ Photo	URL
Worship Center Ceiling	Exposed Ceiling	Black		
Gathering Space Ceiling	Exposed Ceiling	Black		
Youth Room Ceiling	Exposed Ceiling	Black		
Office/Hallway/Classroom/Bathroom Ceilings	2' x 2' Drop Ceiling	White		

Images of Furniture To Be Added (1 or 2 images of each piece of furniture)

Location	Material	Color	Sample/ Photo	URL
Gathering Sofa/Matching Chairs	Mid-Century Modern Faux Leather Living Room Sofa Set	Burgundy		https://www.amazon.com/Moxoq-Mid-Century-Modern-Leather-Living/dp/B0D8T8F39S?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/B0D8T8F39S?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.NMIb3bmYOdWEXdAkYCXk9S4gTZUN9Ck315MWe77RkY-L5CjMDD1_fkfvHBBRqU33L6YxiuQZfj4vtQ-9eunWVDDB6stEPs5SyKXaYPlnc-56x8CqHnzRrkbxEzvJlMB-9kKF6rd8NIzEDnv5pWT-7L2RLNpXERvApZiQnKfAI3CBWt_xXsPSw1Oo7UzfgHWRg6YxBns5U6onCrv2-Ugb0ETXbug9RQ4WKNyfKYArpE2S41MlReuHtD9hZznQtg99oIHGZ6cmi1YTisx0gZvmVslgY4UIJGq-qvosmrosrk.Jo4vB-4SEgJx1kMadTNc00Yf-jYMKcz8PjkNrx6NQeM&dib_tag=se&keywords=8%2Bseat%2Bconference%2Btable&qid=1722513170&sprefix=8%2Bseat%2Bconference%2Btable%2Caps%2C162&sr=8-33&th=1
Gathering Coffee Bar	Sample Coffee Bar	Wood Tones		https://www.pinterest.com/pin/513621532515258037/
Green Room Sofa Set	Harper & Bright Designs 2-Piece Living Room Furniture Set	Gray		https://www.amazon.com/Upholstered-Furniture-Including-3-Seater-Loveseat/dp/B0D922ZTN9/ref=sr_1_3?crid=1V07TEJYM5CTY&dib=eyJ2IjoiMSJ9.YoZIwz0IWxfrCiSdjiwaoQkKPg1PpMWNrTktRxlxvO5Z7O0vi3VeZCFsu8vyeTjVvnRXen6ErDGoxB0SyClSxvQ5Dv891f-aJGA_vbaERUlODFSqxHPvjfuvscaKAU3uqc9getAkpgaO8zBUveWlsQe-6Dzmkt6v2w_Ykp9R9jOW4SPPEGIzsk16RZkOVvbi0B4iOTcPIAdfEcddx63J3X0_8engEPHLYuhrULVRwI4jeGOb0PqiHbP0-mr834B8CqFo4hFQsvvHUGDLsGBkpn9AZf2XG_U2hE_wgG6D7_wO3VO2uX_Jju0YmX9bg23z7I7P_AWORNfW50BUoqJEZQA&dib_tag=se&keywords=couch%2B%26%2Bloveseat&qid=1722512876&sprefix=couch%2B%26%2Bloves%2Caps%2C1871&sr=8-37&th=1
Gathering Visitor Kiosk	Sample Welcome Kiosk	Wood Tones		https://www.pinterest.com/pin/340584790576631344/
Children's Check-In Kiosk	Kids Ministry Check In Station	Multiple Colors		https://www.portablechurch.com/kids-ministry-check-in-area-gallery/

Sketch Showing Furniture Type And Locations (floor top view, can be by hand)

Gathering Space				
Worship Center				

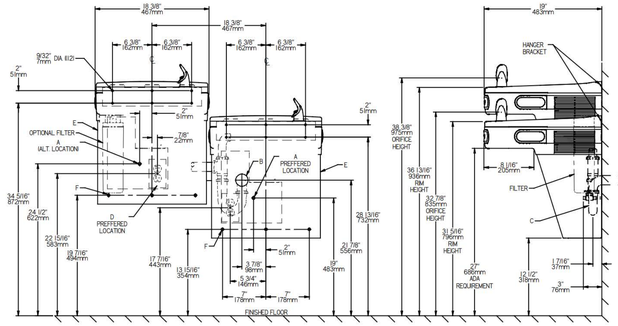
Sanctuary Chairs (size, manufacturer, model, images)

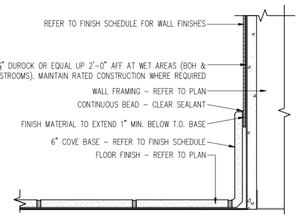
Location	Material	Color	Sample/ Photo	URL
Worship Center	Fabric	940 Kahki		https://www.churchplaza.com/church-chairs/jericho/

Reference Images for any other details we would like to see on the renderings

Children's Indoor Play Equipment				https://www.goplaysystems.com/product/indoor-playground-gps1044-12-ft-h-x-20-ft-w-x-20-ft/

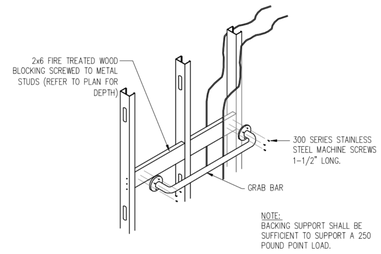
DETAILS





D2 COVE BASE

Scale: 3" = 1'-0"

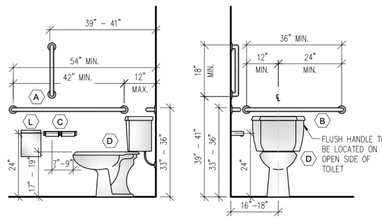


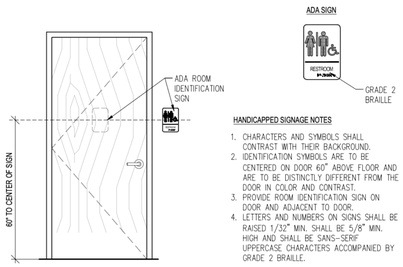
D5 TYP. GRAB BAR ATTACHMENT DETAIL

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

ROOM FINISH SCHEDULE

ROOM NAME	FLOOR	BASE	WALLS	CEILING
CLASS #1	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CLASS #2	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CLASS #3	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CLASS #4	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CLASS #5	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CLASS #6	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CLASS #7	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CLASS #8	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CLASS #10	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CHILD CLASS #1	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CHILD CLASS #2	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CHILD CLASS #3	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CHILD CLASS #4	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CHILD CLASS #5	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CHILD CLASS #6	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CHILD CLASS #7	VCT	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
ADMIN	Carpet	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 9'AFF
YOUTH OFFICE	Carpet	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 9'AFF
ADMINISTRATIVE OFFICE	Carpet	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 9'AFF
PASTOR	Carpet	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
YOUTH	FIN. CONCRETE	4" Vinyl Cove	Painted Gyp. Board	Exposed roof
CHILD OFFICE	Carpet	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CHILD STORAGE	FIN. CONCRETE	NO BASE	Painted Gyp. Board	2X2 Accoust. Grid, 8'AFF
CHILD PLAY AREA	FIN. CONCRETE	4" Vinyl Cove	Painted Gyp. Board	Exposed roof
GLASS ROOM	STAINED FIN.CONC.	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 9' AFF
WORSHIP	STAINED FIN.CONC.	4" Vinyl Cove	Painted Gyp. Board	Exposed roof
VESTIBULE	STAINED FIN.CONC.	4" Vinyl Cove	Painted Gyp. Board	2X4 Accoust. Grid, 9' AFF
MOP CLO.	FIN. CONCRETE	NO.BASE	Painted Gyp. Board	Exposed floor above
MOP CLO. #1	FIN. CONCRETE	NO BASE	Painted Gyp. Board	Exposed risers above
ELEC. ROOM	FIN. CONCRETE	NOBASE	Painted Gyp. Board	Exposed risers above
KITCHEN	FIN. CONCRETE	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'-6" AFF
PANTRY	FIN. CONCRETE	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'-6" AFF
CHOIR OFFICE	FIN. CONCRETE	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'-6" AFF
STORAGE #3	FIN. CONCRETE	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'-6" AFF
CHOIR ROOM	FIN. CONCRETE	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'-6" AFF
GREEN ROOM	FIN. CONCRETE	4" Vinyl Cove	Painted Gyp. Board	2X2 Accoust. Grid, 8'-6" AFF
STORAGE #2	FIN. CONCRETE	4" Vinyl Cove	Painted Gyp. Board	Exposed Ceiling
STORAGE #1	FIN. CONCRETE	4" Vinyl Cove	Painted Gyp. Board	Exposed Ceiling
GATHERING AREA	STAINED FIN.CONC.	4" Vinyl Cove	Painted Gyp. Board	Exposed roof
MAINTENANCE	FIN. CONCRETE	NO BASE	Painted Gyp. Board	2X4 Accoust. Grid, 8' AFF
STORAGE	FIN. CONCRETE	NO BASE	Painted Gyp. Board	2X4 Accoust. Grid,8' AFF
SECURITY	FIN. CONCRETE	4" Vinyl Cove	Painted Gyp. Board	2X4 Accoust. Grid, 8'AFF
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	Carpet	4" Vinyl Cove	Painted Gyp. Board	Painted Gyp. Board
CORRIDORS	V.C.T.	4" Vinyl Cove	Painted W.R. Gyp. Bd.	2X2 Accoust. Grid, 8' AFF
FAMILY RR.	V.C.T.	4" Vinyl Cove	Painted W.R. Gyp. Bd.	2X2 Accoust. Grid, 8' AFF
WOMEN R.R.	V.C.T.	4" Vinyl Cove	Painted W.R. Gyp. Bd.	2X2 Accoust. Grid, 8' AFF
MEN R.R.	V.C.T.	4" Vinyl Cove	Painted W.R. Gyp. Bd.	2X2 Accoust. Grid, 8' AFF
R.R. #3	V.C.T.	4" Vinyl Cove	Painted W.R. Gyp. Bd.	2X2 Accoust. Grid, 8' AFF
R.R. #4	V.C.T.	4" Vinyl Cove	Painted W.R. Gyp. Bd.	2X2 Accoust. Grid, 8' AFF
R.R. #5	V.C.T.	4" Vinyl Cove	Painted W.R. Gyp. Bd.	2X2 Accoust. Grid, 8' AFF
R.R. #1	V.C.T.	4" Vinyl Cove	Painted W.R. Gyp. Bd.	2X2 Accoust. Grid, 8' AFF
R.R. #2	V.C.T.	4" Vinyl Cove	Painted W.R. Gyp. Bd.	2X2 Accoust. Grid, 8' AFF



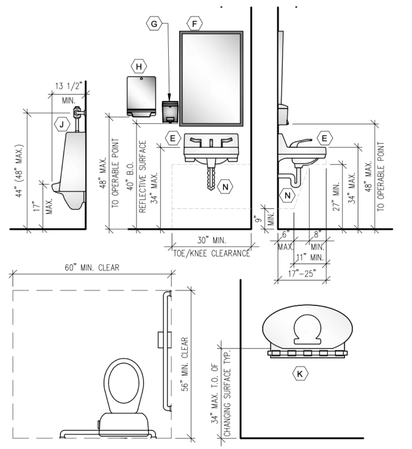


HANDICAPPED SIGNAGE NOTES

1. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND.
2. IDENTIFICATION SYMBOLS ARE TO BE CENTERED ON DOOR 60" ABOVE FLOOR AND ARE TO BE DISTINCTLY DIFFERENT FROM THE DOOR IN COLOR AND CONTRAST.
3. PROVIDE ROOM IDENTIFICATION SIGN ON DOOR AND ADJACENT TO DOOR.
4. LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MIN. SHALL BE 5/8" MIN. HIGH AND SHALL BE SANS-SERF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.

C5 RESTROOM SIGNAGE DETAIL

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



A5 REQUIRED ACCESSIBLE FIXTURE CLEARANCES

Scale: 1/2" = 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.
I. ALL INTERIOR FINISHES TO HAVE A FLAME SPREAD RATING OF 25 OR LESS, WITH A MAXIMUM SMOKE GENERATION FACTOR OF 450.
J. 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.
K. ALL WALL MOUNTED HVAC VENT REGISTERS AND GRILLS TO BE PAINTED TO MATCH ASSOCIATED WALL SURFACE.
L. ALL GYPSUM BOARD WALLS TO RECEIVE PAINT TO HAVE LEVEL 5 FINISH

ZACHARY F. MORLEY REGISTERED ARCHITECT NO. 2016 ARKANSAS

DESIGNED BY	ZFM
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS...vwx

FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

TITLE: ARCH. DETAILS, FINISH SCHEDULES

SIZE	CAGE CODE	DRAWING NUMBER	REV
		A-7	
SCALE AS NOTED	EST. WGT	SHEET A-7 OF	

246'-0"

24'-10" | 24'-8" | 33'-2" | 31'-8" | 21'-1" | 41'-0" | 21'-2" | 36'-0" | 32'-11" | 20'-7"

114'-6"

22'-7" | 22'-6" | 22'-7" | 22'-5" | 24'-4"

15'-4"

THICKEN SLAB-
SIM. TO 6/F-1 W/
2 #5'S LENGTHWISE

1"x1/4" SAWN CONTROL JOINTS
@ E-W GRID LINES (TYP.)

SLOPE
1/8"/1'0"

8'-2"

THICKEN SLAB-
SIM. TO 6/F-1 W/
2 #5'S LENGTHWISE

THIS FOUNDATION DESIGN MEETS SEISMIC CRITERIA FOR 2012 EDITION OF THE STANDARD BUILDING CODE.

CONCRETE NOTES:
1. CONCRETE TO BE MINIMUM 3,000 P.S.I.
RE-INFORCEMENT TO BE GRADE 60.
2. SOIL BEARING ASSUMED TO BE 2,000 PSF.
CONTRACTOR TO VERIFY.
3. SEE METAL BUILDING MANUFACTURER'S
DRAWINGS FOR ANCHOR BOLT TYPE & LAYOUT.
4. CONTRACTOR TO VERIFY ALL DIMENSIONS
BEFORE CONCRETE PLACEMENT.
5. LAP RE-INFORCING BARS 2'-6" MINIMUM.
6. WWF TO BE 6"X6"X10/10 (W1.4XW1.4)

Notes:
1. Depth of foundation footings
varies. Min. depth shall be
no less than 24" from finish
grade in outside and inside footings.
Footings shall bearentirely on fill or
on undisturbed soil (not both).
Soil bearing for footings
assumed to be 2,000 p.s.f. Contractor
to verify.
2. End wall foundation, column row 1 and 6,
do not need the 2:#4 bars wrapped behind
the anchor bolts.
3. Final foundation sizing subject to change
due to PEB building reactions. Engineer of
record to finalize after receipt of loading.

FOOTER & PIER SCHEDULE

MARK	FOOTER SIZE	PIER SIZE
F1	5'-0"x5'-0"x1'-6"	1'-6"x1'-6"x1'-4"
F2	4'-0"x4'-0"x1'-0"	1'-0"x1'-0"x1'-4"
F3	3'-0"x3'-0"x1'-0"	1'-0"x1'-0"x1'-4"

99'10" | 100'0" | F.F. 100'0" | SLOPE DN. 1/8":1' | FOR STAIR DESIGN (NOT SHOWN) SEE DET. D/S-1 | TYPICAL

SIM.

FOOTER F 2 | FOOTER F1 | FOOTER F3 | FOOTER F 1 | FOOTER F-1 | FOOTER F2

A **SECTION @ INTERIOR COLUMNS FOOTING & PIER**
NO SCALE

B **SECTION @ BUILDING COLUMN FOOTING & PIER**
NO SCALE

C **SECTION @ OUTSIDE FOOTER**
NO SCALE

D **SECTION @ BUILDING COLUMN FOOTING & PIER**
NO SCALE

E **SECTION @ TENSION TIE GRADE BEAM**
NO SCALE

F **SECTION @ EXT. COLUMN BASE**
NO SCALE

G **SECTION @ PORTICO DRIVE**
NO SCALE

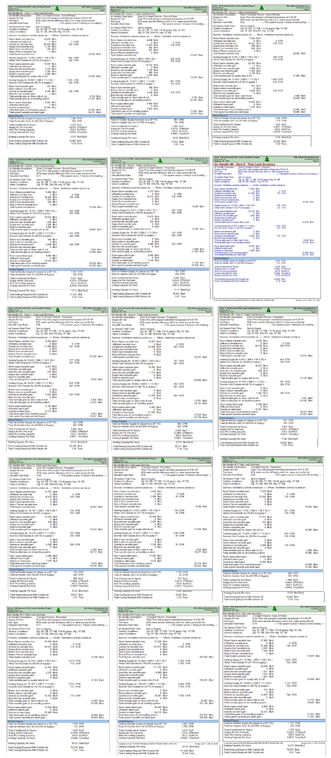
DESIGNED BY	ZFM
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS..vwx

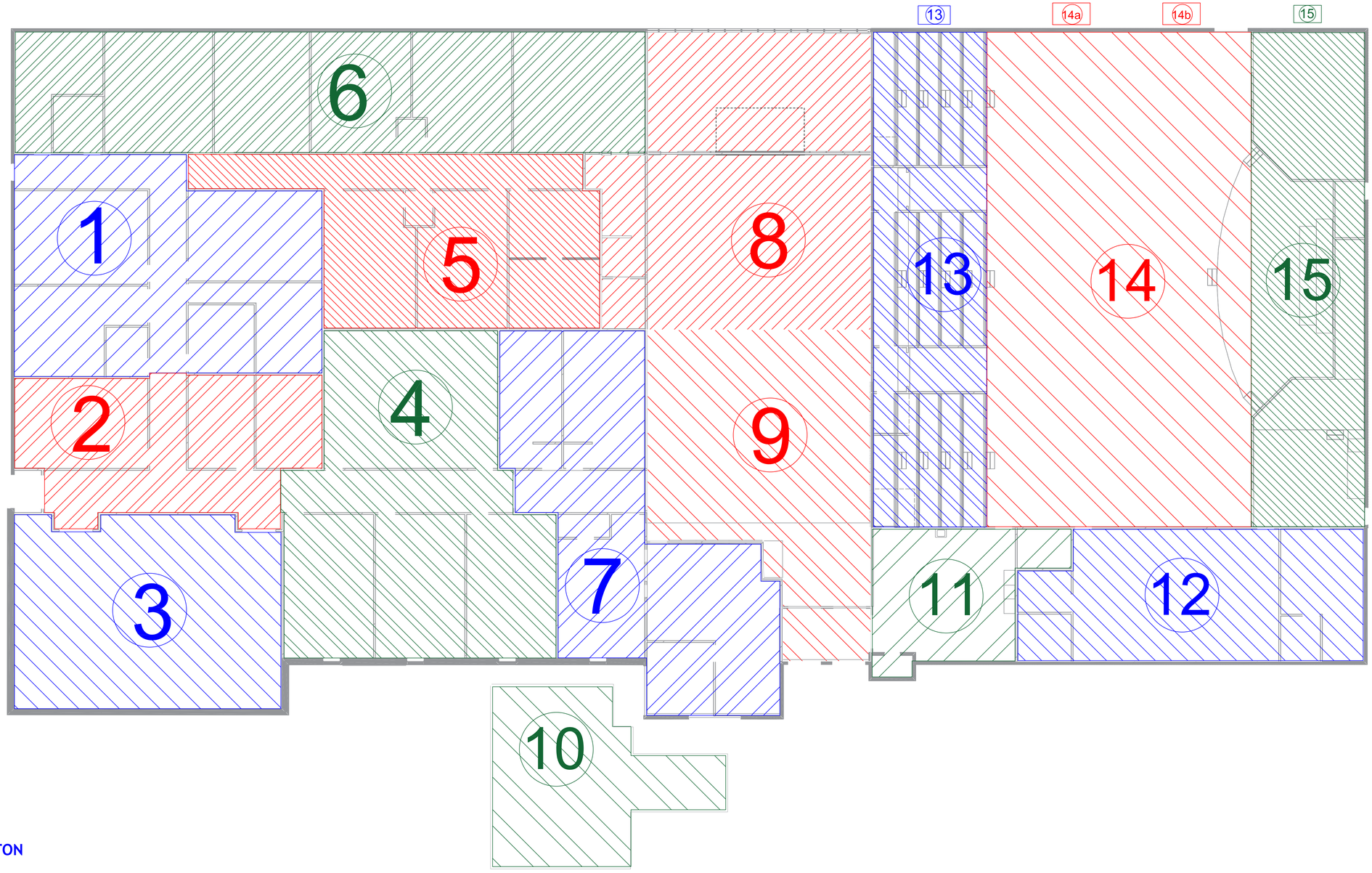
FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

TITLE: FOUNDATION & SLAB PLAN

SIZE	CAGE CODE	DRAWING NUMBER	REV
		F-1	

SCALE AS NOTED | EST. WGT | SHEET F-1 OF





PRAYER TOWER

ZONES

ZONE 1	2,000 SF	4 TON
ZONE 2	1,317 SF	3 TON
ZONE 3	1,644 SF	5 TON
ZONE 4	2,415 SF	4 TON
ZONE 5	1,709 SF	3 TON
ZONE 6	2,500 SF	5 TON
ZONE 7	1,990 SF	3 TON
ZONE 8	2,500 SF	5 TON
ZONE 9	1,900 SF	4 TON
ZONE 10	880 SF	3 TON
ZONE 11	713 SF	5 TON
ZONE 12	1,430 SF	3 TON
ZONE 13	1,850 SF	7.5 TON
ZONE 14	4,300 SF	2@12.5 TON
ZONE 15	1,850 SF	5 TON
	TOTAL	84 TON

UNITS 1-12 ROOFTOP MOUNTED
UNITS 13-15 GROUND MOUNTED

N

Z. F. Mobley
Architecture & Design

501 Dry Kiln Road
P.O. Box 2849
Batesville, AR 72503

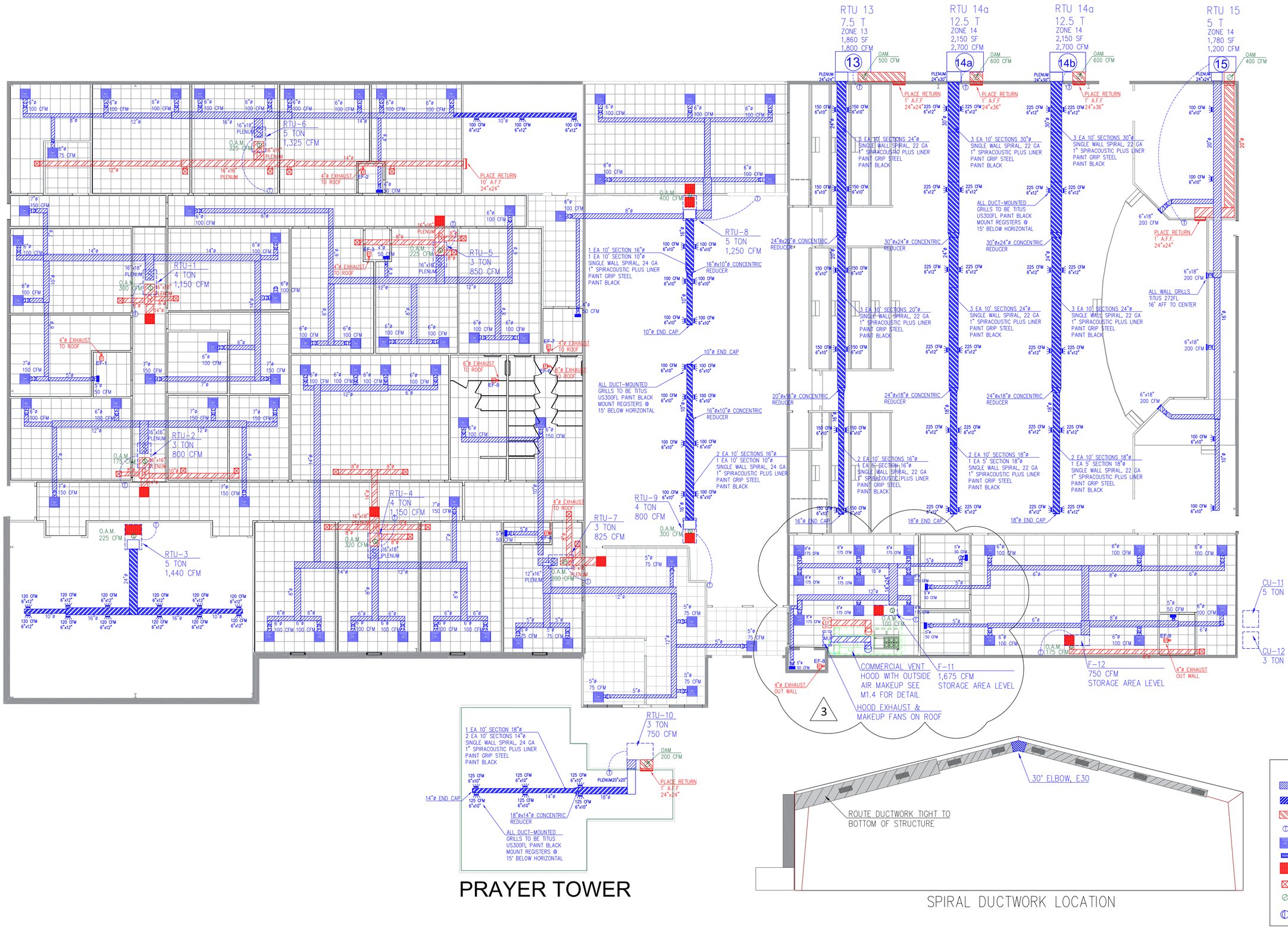
FIRST BAPTIST CHURCH
NEW EAGLE MTN CAMPUS
EAGLE MOUNTAIN BLVD, BATESVILLE, AR

FBC

HVAC ZONES

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 6073
JAMES E. WHITSON, JR.
6.08.23

DRAWN JEW	CHK'D
DATE 5.31.23	SCALE NS
DRAWING NO. M1.1	
PROJECT NO.	REV. 0



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FIRST BAPTIST CHURCH
NEW EAGLE MTN CAMPUS
EAGLE MOUNTAIN BLVD, BATESVILLE, AR

FBC

TITLE
MECHANICAL PLAN

STATE OF ARKANSAS
4/03/25
REGISTERED PROFESSIONAL ENGINEER
No. 6073
JAMES E. WHITSON, JR.

DRAWN	CHK'D
JEW	
DATE	SCALE
3.31.25	NS

DRAWING NO.
M1.2

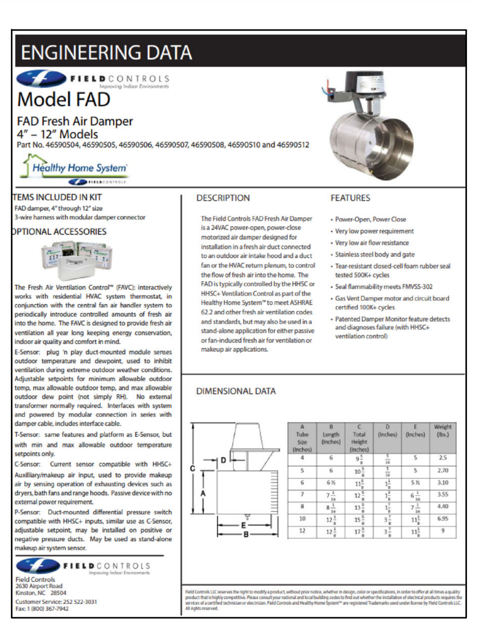
PROJECT NO.	REV.
	3

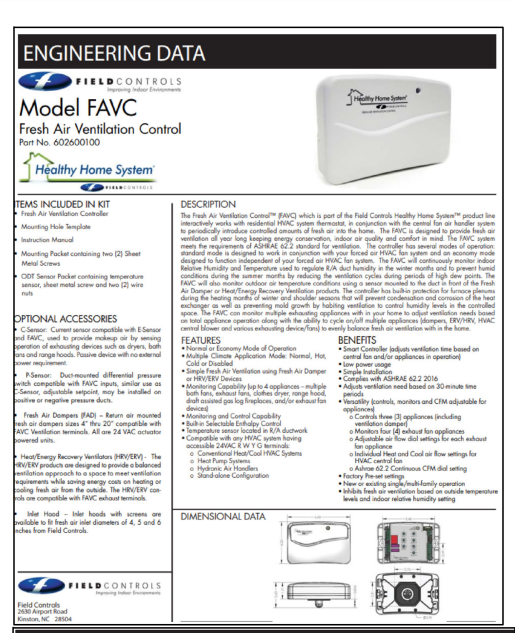
TAG #	UNIT MODEL	RATED CFM	REQUIRED CFM	VOLTAGE	HEATING INPUT MBH	OUTSIDE AIR CFM	CIRCUIT MIN CKT AMPACITY	CIRCUIT MAX CKT BREAKER	NOM TONS
RTU-1	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR548090	1200-1600	1,575	208/230-1-60	58-90	300	35.3	50	4
RTU-2	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR536060	900-1200	800	208/230-1-60	39-60	175	26.3	40	3
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	5
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	4
RTU-5	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR536060	900-1200	850	208/230-1-60	39-60	225	26.3	40	3
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	5
RTU-7	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR536060	900-1200	825	208/230-1-60	39-60	200	26.3	40	3
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	5
RTU-9	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR548090	1200-1600	800	208/230-1-60	58-90	300	35.3	50	4
RTU-10	HEIL PGR5 PACKAGE UNIT GAS HEAT, 16 SEER PGR536060	900-1200	750	208/230-1-60	39-60	200	26.3	40	3
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	7.5
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	12.5
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	12.5
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	5
CU-11	TEMPSTAR, TVA9, 19 SEER OUTDOOR UNIT TVA960GKA, 60,000 BTU/HR			208/230, 1/60			40	60	5
CU-12	TEMPSTAR, TVA9, 19 SEER OUTDOOR UNIT TVA936GKA, 36,000 BTU/HR			208/230, 1/60			24.2	40	3
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	5
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	3

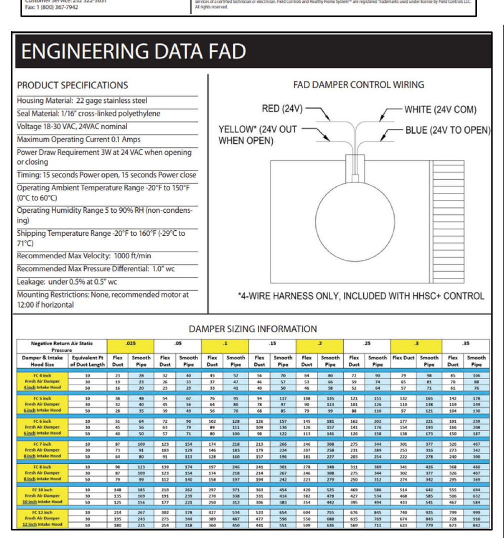
All equipment specified, or equivalents, should be used.

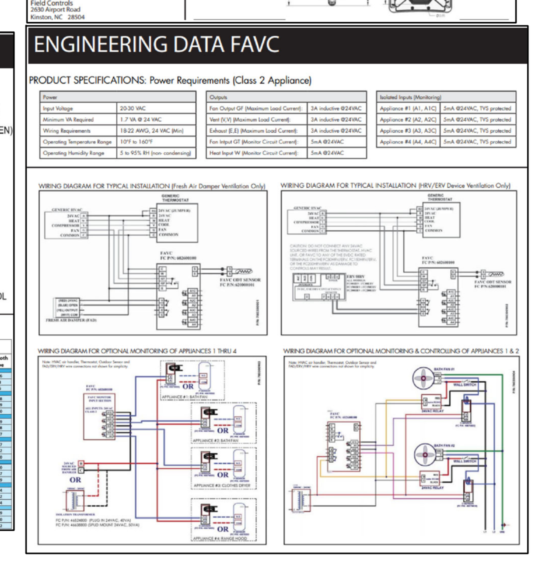
EXHAUST FANS

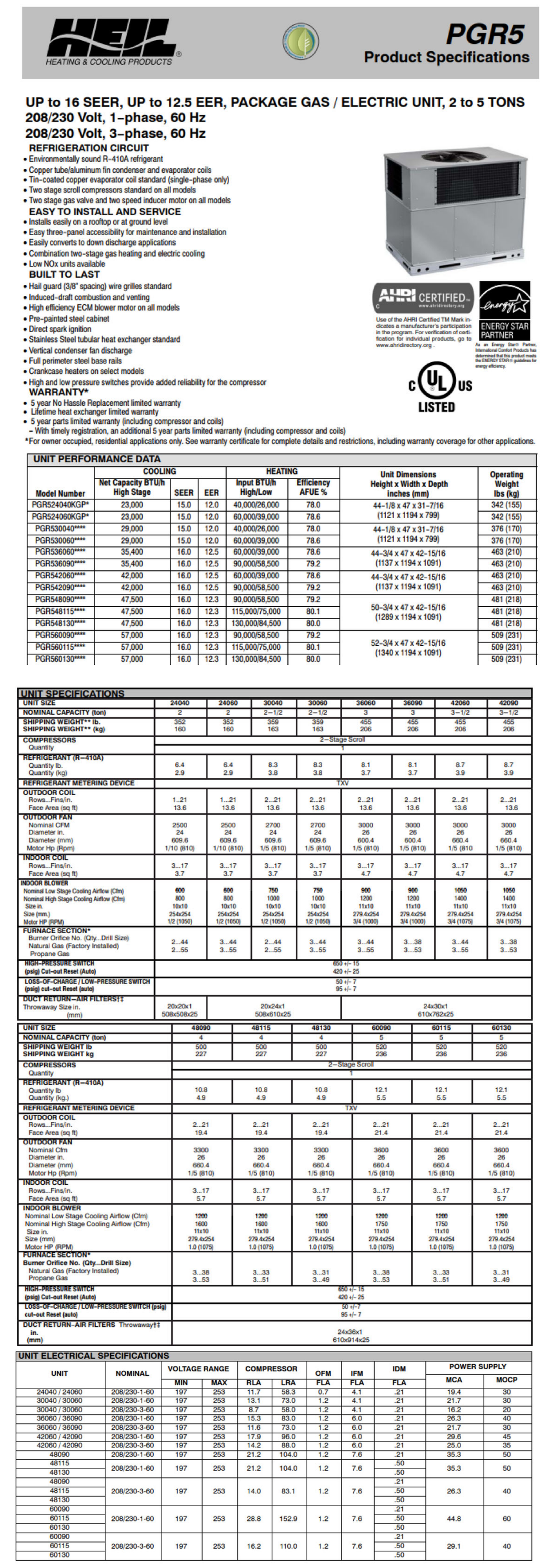
		CFM	SP	VOLTAGE	FLA	WATTS	
EF-1	BROAN AE50	50	0.100	115V/1PH/60HZ	0.2	23	(4" duct)
EF-2	BROAN AE50	50	0.100	115V/1PH/60HZ	0.2	23	(4" duct)
EF-3	BROAN AE50	50	0.100	115V/1PH/60HZ	0.2	23	(4" duct)
EF-4	BROAN AE50	50	0.100	115V/1PH/60HZ	0.2	23	(4" duct)
EF-5	BROAN L200	200	0.100	115V/1PH/60HZ	1.8	127	(4"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

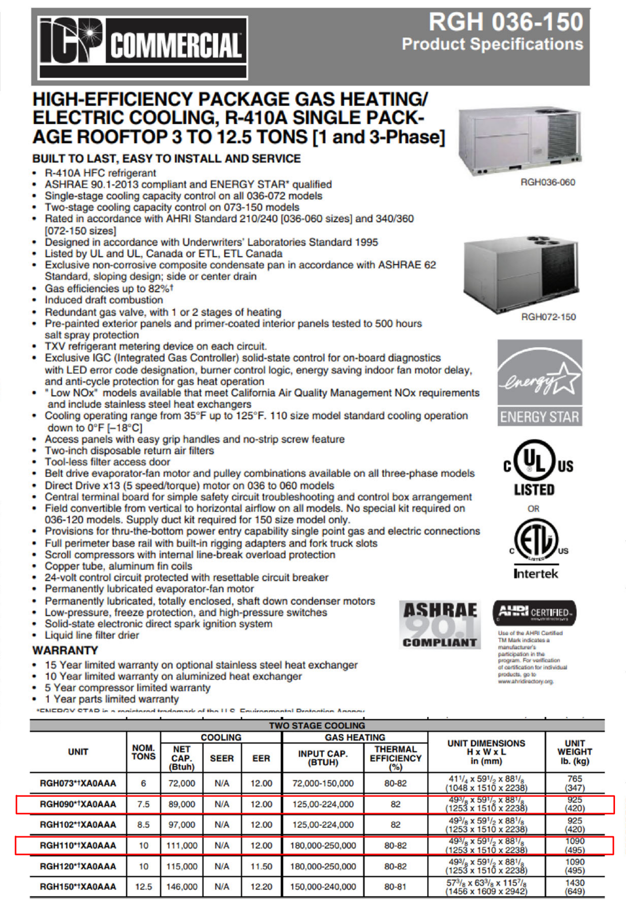


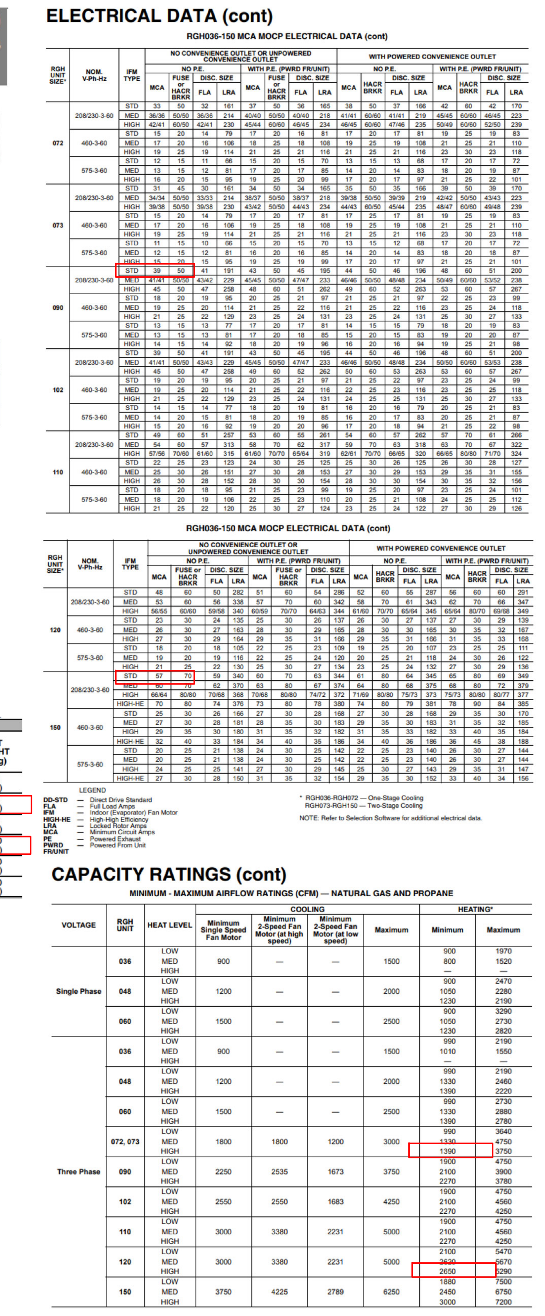


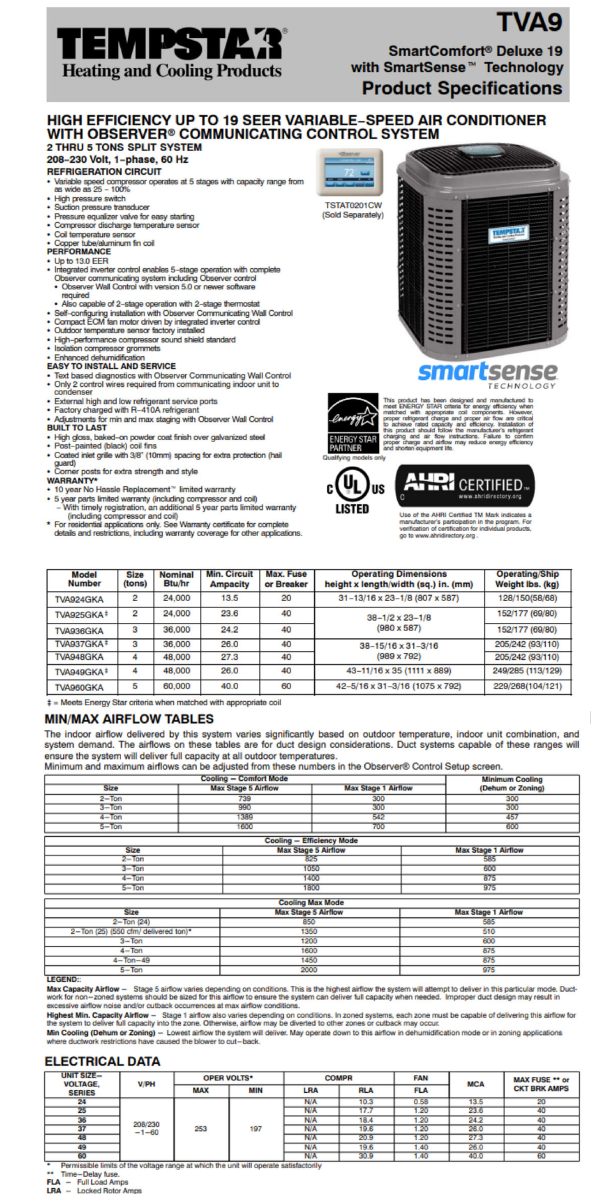


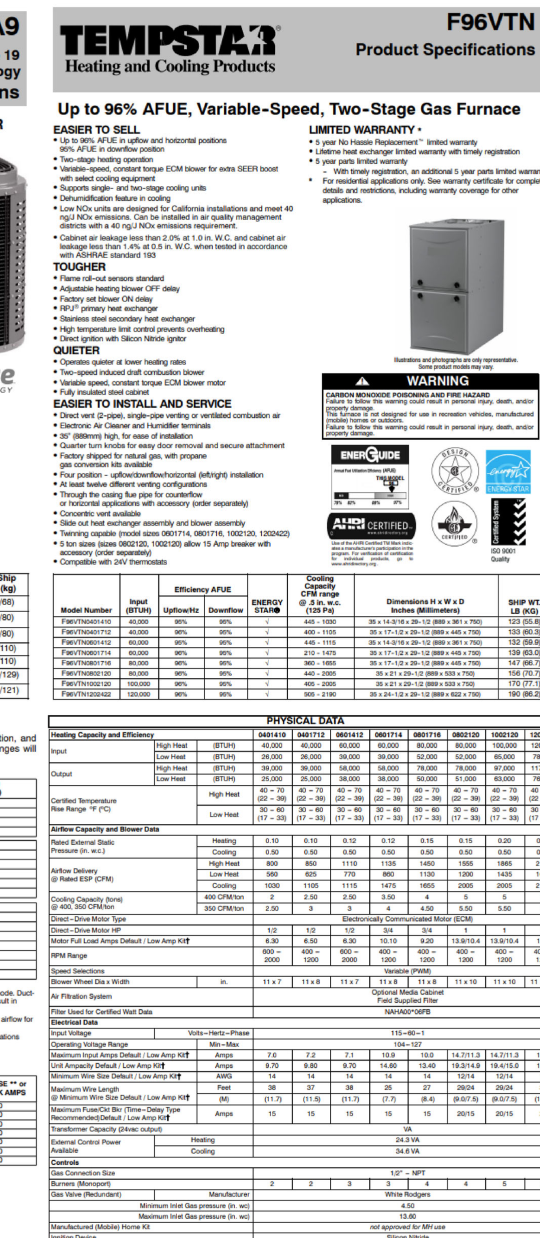




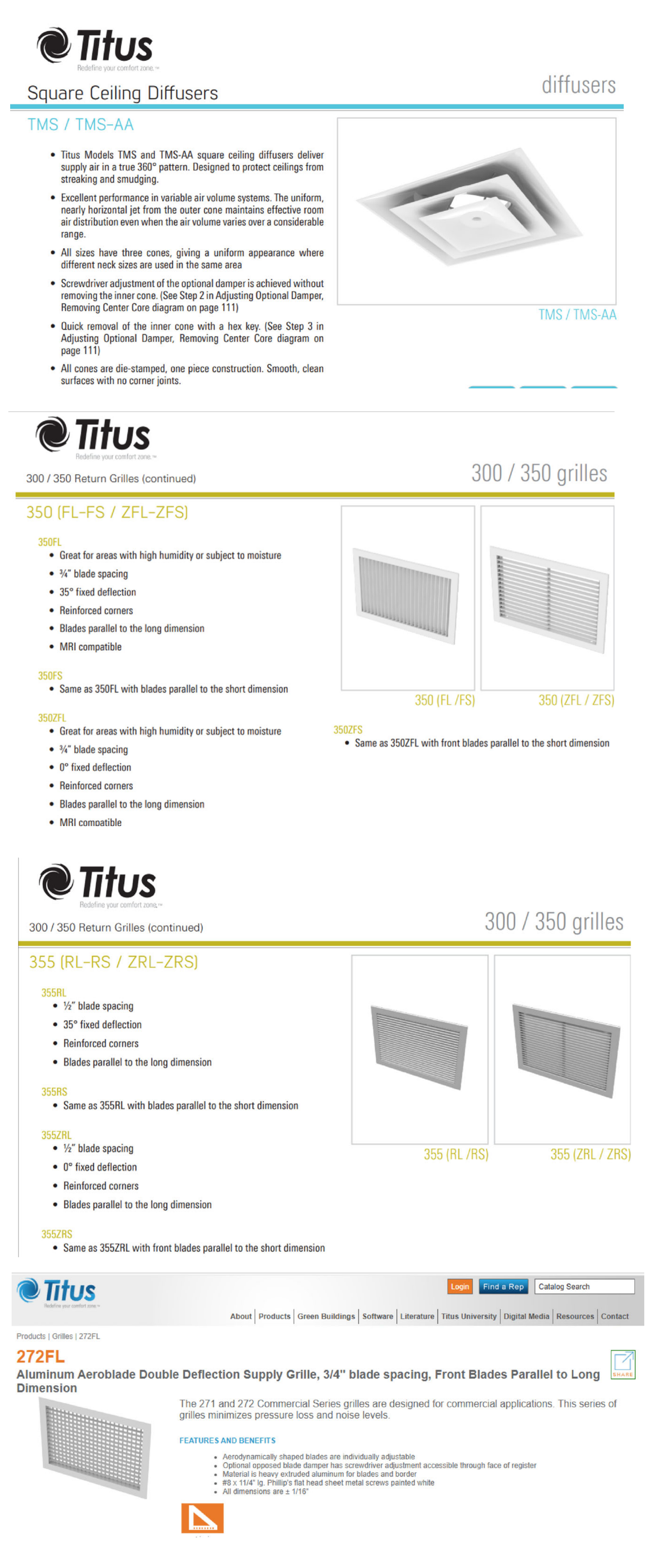








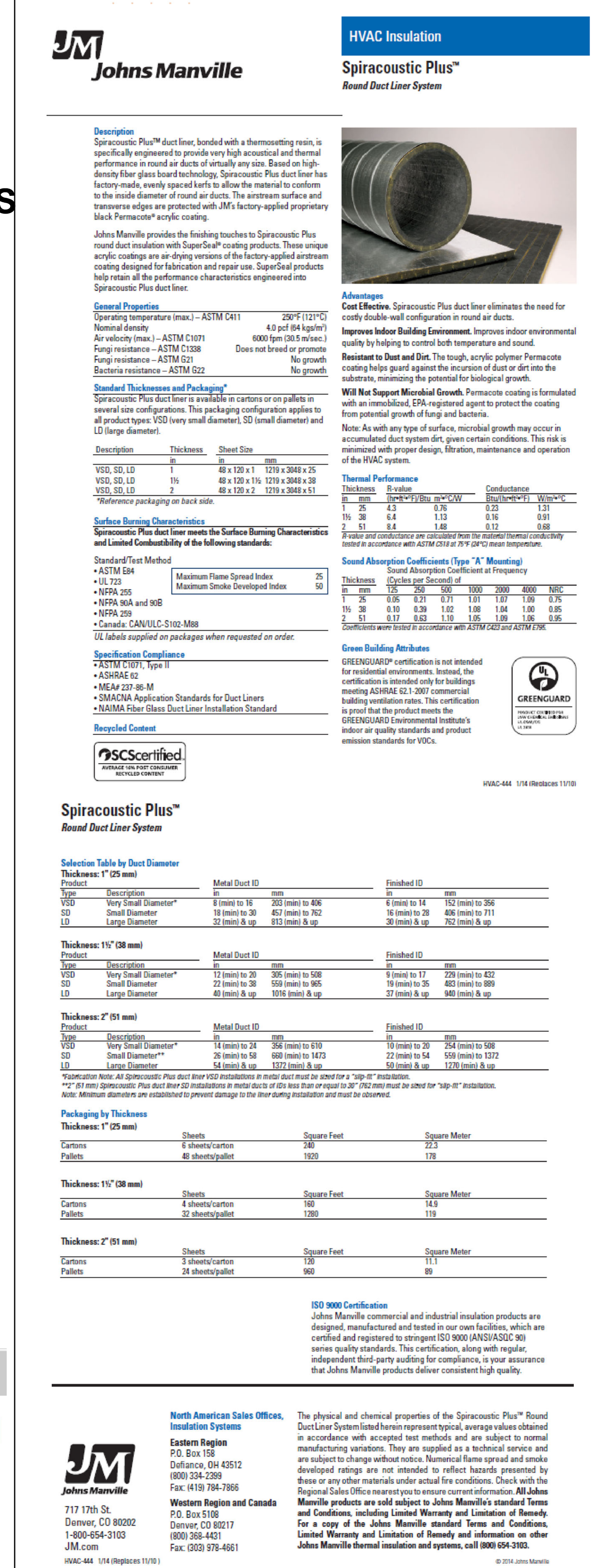
TYPICAL DIFFUSERS & RETURNS



SPIRAL DUCTWORK SPECS

Conklin Metal Industries - Littl...

6001 Lindsey Rd, Little Rock, AR 72206



Tom Barrow Co. DELIVERING HVAC SOLUTIONS

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tbcomem@tombarrow.com
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Powers
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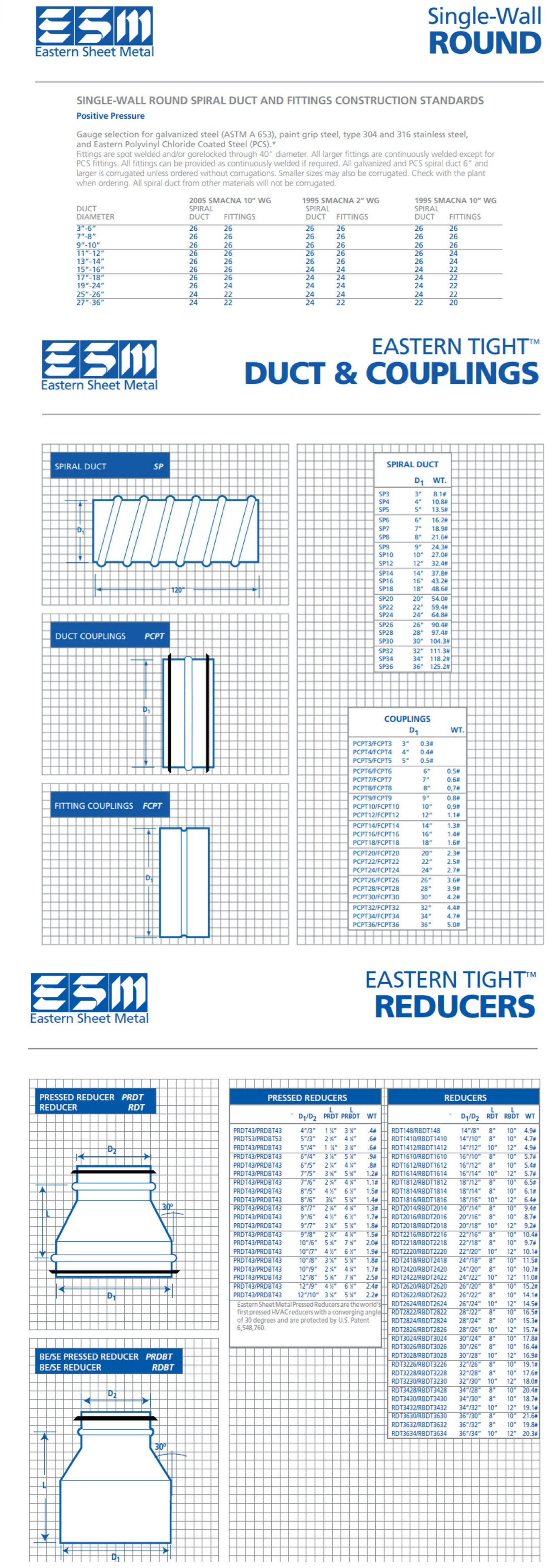
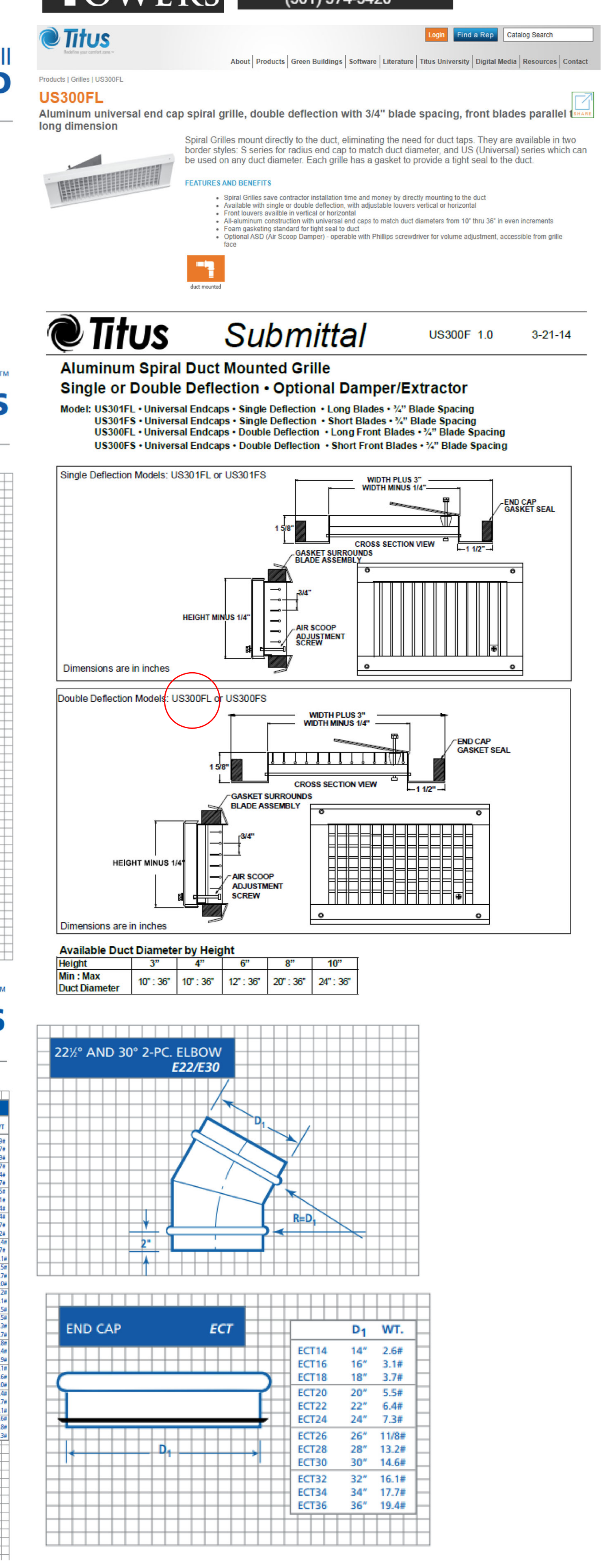
(501) 374-5420





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FIRST BAPTIST CHURCH
NEW EAGLE MTN CAMPUS
EAGLE MOUNTAIN BLVD, BATESVILLE, AR

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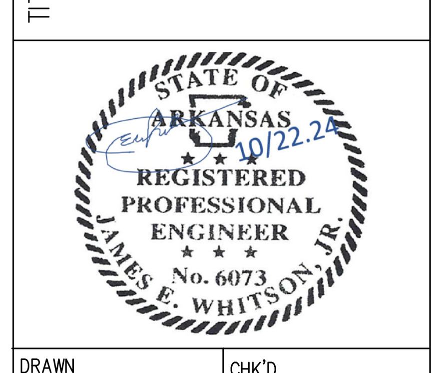
TITLE
MECHANICAL SCHEDULE



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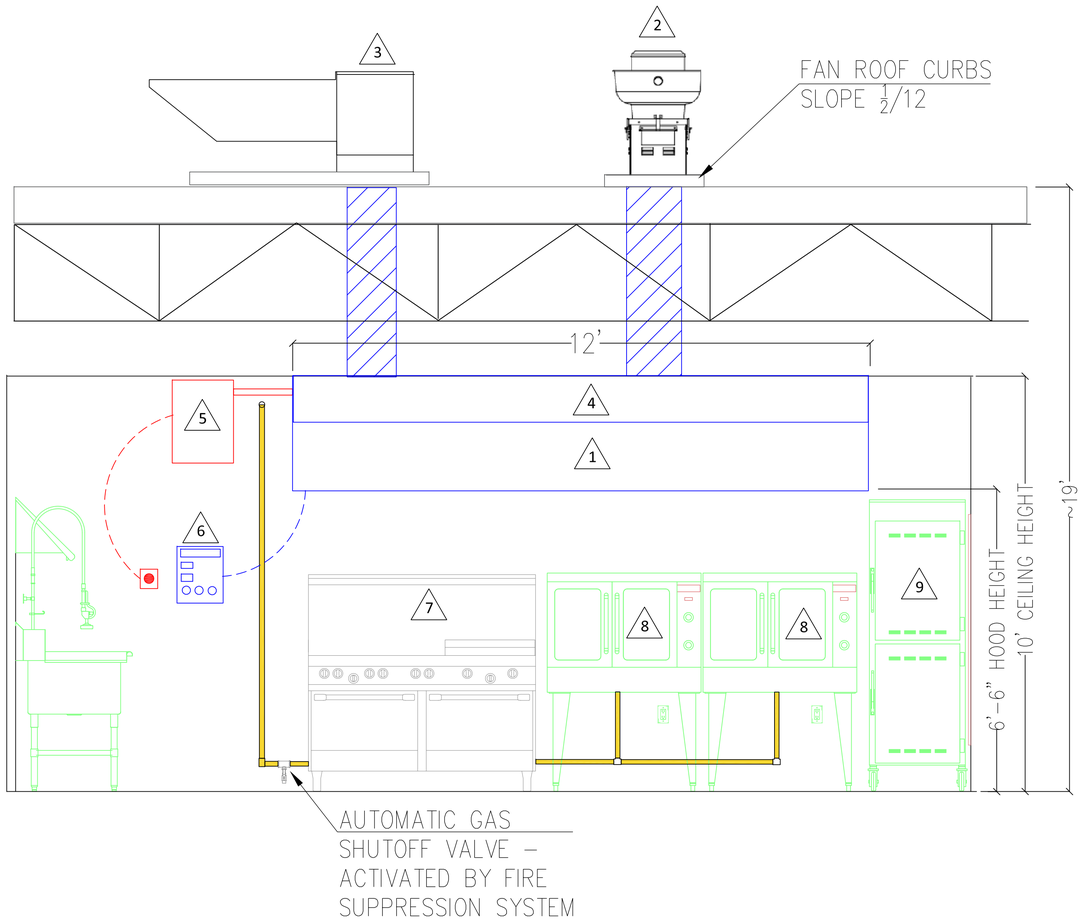
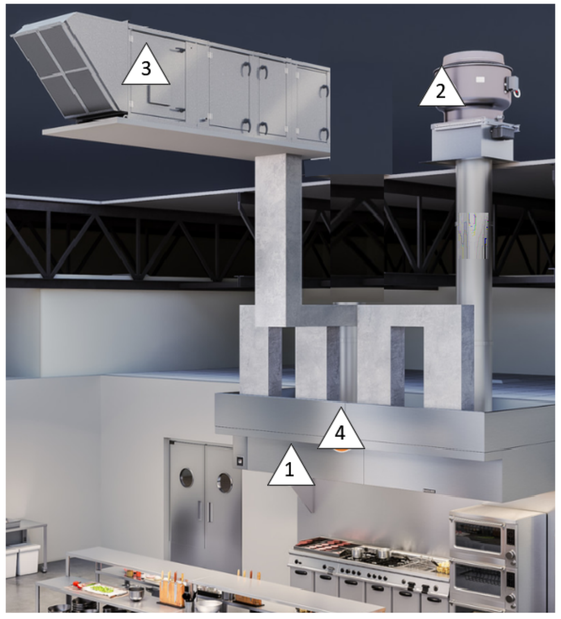
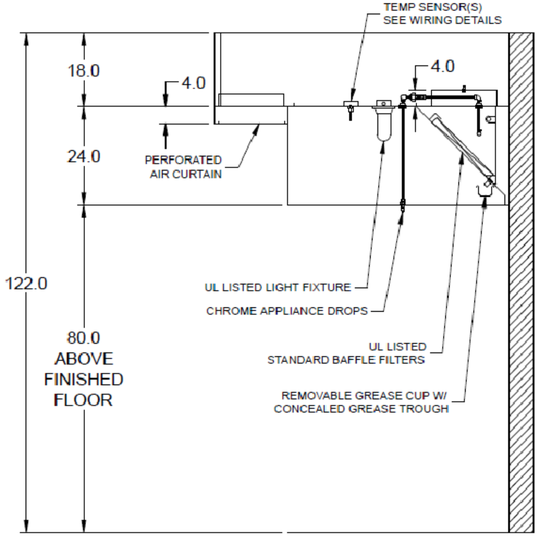
DRAWING NO.	M1.3		
PROJECT NO.		REV.	3







MARK: Hood

SPECIFICATIONS

1. 144"x54" STAINLESS STEEL VENT HOOD SYSTEM
2. AIR CURTAIN SUPPLY PLENUM
3. ROOF MOUNTED EXHAUST AND MAKEUP AIR FANS WITH CURBS
4. NATURAL GAS DIRECT-FIRED HEATER FOR MAKEUP AIR
5. FIRE SUPPRESSION SYSTEM (ANSUL OR KIDDE)
6. STAINLESS STEEL BACK WALL PANEL

EQUIPMENT LIST

ITEM NO.	QTY.	ITEM DESCRIPTION	ITEM REMARKS
1	1	SST EXHAUST HOOD SYSTEM	
2	1	ROOF MOUNTED EXHAUST FAN	
3	1	ROOF MOUNTED MAKEUP AIR FAN	
4	1	AIR CURTAIN SUPPLY PLENUM	
5	1	FIRE SUPPRESSION SYSTEM	
6	1	HOOD SYSTEM CONTROLS	
7	1	HD RANGE, GAS	
8	2	CONVECTION OVEN, GAS	
9	1	HEATED HOLDING CABINET	

FAN SCHEDULE

ITEM	MAKE-MODEL	CFM	SP	VOLTAGE	AMPACITY	BREAKER
EXHAUST	EXCUBE-180-15	2,760	1.1	230V/1PH/60HZ	12.5	25
SUPPLY	RKIF-12-M2-VG	2,208	0.26	230V/1PH/60HZ	9	20

ACCUREX

XBEW Type 1, Baffle Filter Single Wall - Exhaust Only Wall Canopy

Model	Hood Length (in.)	Width (in.)	Bottom Width (in.)	Height (in.) Front	Height (in.) Back	Exhaust Volume (CFM)	Exhaust SP (in. w.g.)	Double Island
XBEW	144	54	54	24	24	2760	0.606	No

Selected Options & Accessories:

Option or Accessory	Description
Ceiling Height	120 in. off Finished Floor
Integral Air Space	Factory Mounted on Back - 3" wide .36 lbs
Ceiling Enclosures	18 in. High on Left Front Right
Filter Type	Stainless Steel Baffle Filters 40 lbs
Backsplash Panel	60 in High 144 in Long 0 in Wide 120 lbs
Left Sidesplash	120 in High 18 in Long 0 in Wide 23 lbs
Right Sidesplash	120 in High 18 in Long 0 in Wide 23 lbs
Additional Divider Bar	For Backsplash 84 in Qty 2

Material: 430 SS Where Exposed
UL Listing: UL 710 w/out Exhaust Fire Damper

Features:
Performance Enhancing Lip (PEL)
Standing Seam Construction for Superior Strength
Stainless Steel Finish for Higher Corrosion Resistance

Hood End Conditions:
Back Wall - Limited Combustible

Section Data:

Length (in.)	Volume (CFM)	Exhaust Rate (CFM/FT)	SP (in. wg)	Filter Qty 16" W	Filter Qty 20" W	Filter Ht. (in.)	Cooking Load	Light Qty	Light Type	Foot Candles	Drain Location	Hanging Weight (LBS)
144	2760	230	0.606	4	4	20	Heavy	6	Incandescent / CFL	49.51	Left/Right	420

Exhaust Collar Data:

Collar Num.	Collar Size (LxW) in. or Diameter (in.)	Pos. Off Left (in.)	Pos Off Back (in.)	Velocity (fpm)	Mounting Option
1	16	72	8	1977	Factory Mounted Exhaust Collar(s)

External Supply Plenum Data: Supply: 2208 CFM MUA: 2208 CFM AC: 0 CFM

Plenum Num.	Side	Type	Length (in.)	Width (in.)	Height (in.)	Volume (CFM)	Weight (lbs)	SP (in. wg)	Insulated	MBD	LED Lights
1	Front	Air Curtain Supply (ASP)	144	18	4	2208	62	0.01	No	No	No

External Supply Collar Data:

Section Num.	Plenum Num.	Side	Collar Num.	Collar Shape	Collar Size (LxW) in. or Diameter (in.)	Pos. Off Left (in.)	Pos. Off Front (in.)	Velocity (fpm)	Mounting Option
1	1	Front	1	rectangular	30 x 16	24	9	221	Factory Mounted Supply Collar(s)
1	1	Front	2	rectangular	30 x 16	72	9	221	Factory Mounted Supply Collar(s)
1	1	Front	3	rectangular	30 x 16	120	9	221	Factory Mounted Supply Collar(s)

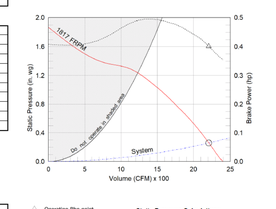
ACCUREX

Model: XKID-12-M2-VG
Direct Drive Mixed Flow Filtered Roof Supply Fan

Dimensional	
Quantity	1
Weight w/o Acc's (lb)	81
Weight w/ Acc's (lb)	129
Roof Opening (in.)	17.25 x 18.25

Performance	
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

Motor	
Motor Mounted	Yes
Size (hp)	1
Voltage/Cycle/Phase	230/60/1
Enclosure	TEFC
Motor RPM	1550
Windings	1
FLA (Amps)	7.1
Min. Circuit Ampacity (MCA)	9
Max. Overcurrent Protection (MOP)	20
Short Circuit Current Rtg (SCCR)	5 kA



Static Pressure Calculations

External SP	0.26 in. wg
Direct Drive RPM Adjustment	0 in. wg
Total External SP	0.26 in. wg

ACCUREX

Amerex KP Wet Chemical Fire Suppression System

Scope:
Pre-Pipe With Parts and Factory Coordinated Installation

Hood Fire Suppression System

Detection Type	Mechanical
Coverage	Appliance Specific
Hood Mark(s) Connected	Hood
Mounting Location	Remote-mounted enclosure for first tank & release assembly and bracket assembly only for additional tanks if applicable (see figures below)
System Size	4.75 Gallon
Flow Points	Maximum of 14 and 9 are utilized.

Options and Accessories for Hood Fire System Provided from Factory

Mechanical Release Module	QTY of 1
4.75 Gallon Agent Cylinder Assembly	QTY of 1
Gas Valve	2", mechanical
Manual Pull Stations	QTY of 1
Microswitch	QTY of 1
Alarm Initiating Switch	QTY of 0
Metal Blow Off Caps	Included

Important Notes

- The manner in which the parts included in the scope of this fire system are supplied may vary. They could be shipped from the fire suppression manufacturer, shipped loose with the hood, connected directly to the hood, or supplied directly to the installing distributor.
- Must maintain 8 inch clearance between top of hood and pipe connections for installation (includes piping and workspace clearance).
- The amount of supply pipe that should not be exceeded per system is 32 ft., which includes all pipe used along the length the hood, between hoods, and the pipe needed to connect to the tanks where they are mounted.
- Pull station locations must be a minimum of 10 ft. and a maximum of 20 ft. from the hoods and in the path of egress. They also must be 40-48 in. from the finished floor.
- Systems are pre-piped for a specific appliance line-up. If appliance types and sizes differ from what is shown on the hood submittal, this may result in a field re-pipe which is outside the scope defined here.

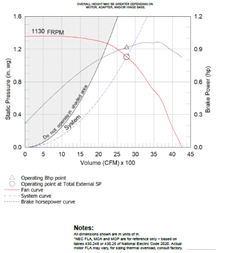
ACCUREX

Model: XCUBE-180-15
Belt Drive Upblast Centrifugal Roof Exhaust Fan

Dimensional	
Quantity	1
Weight w/o Acc's (lb)	122
Weight w/ Acc's (lb)	152
Weight w/ Acc's and Curb (lb)	224
Max T Motor Frame Size	184
Standard Curb Cap Size (in.)	30 x 30
Wall Opening with Curb(s) through wall	30 x 30

Performance	
Requested Volume (CFM)	2,760
Actual Volume (CFM)	2,760
Total External SP (in. wg)	1.106
Fan RPM	1130
Operating Power (hp)	0.92
Elevation (ft)	256
Airstream Temp (F)	70
Air Density (lb/ft3)	0.074
Drive Loss (%)	6.4
Tip Speed (ft/min)	5,473
Static Eff. (%)	56
Misc Fan Data	
Fan Energy Index (FEI)	1.03
Outlet Velocity (ft/min)	945

Motor	
Motor Included	Yes
Size (hp)	1 1/2
Voltage/Cycle/Phase	230/60/1
Enclosure	ODP
Motor RPM	1725
Efficiency Rating	Standard
Windings	1
NEC FLA* (Amps)	10
Min. Circuit Ampacity (MCA)	12.5
Max. Overcurrent Protection (MOP)	25
Short Circuit Current Rtg (SCCR)	5 kA



Notes:
All dimensions shown are in units of in.
Fan RPM, Watts, Amps, and Sones are reference only + based on Metric AMCA 210 at +20 C/ 21 mFlatRoof Electric Code 2020. Actual motor FLA may vary, for sizing thermal overload, consult factory.

Z. F. Mobley
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P.O. Box 2849
Batesville, AR 72503

FIRST BAPTIST CHURCH
NEW EAGLE MTN CAMPUS
EAGLE MOUNTAIN BLVD, BATESVILLE, AR

FBC

TITLE
KITCHEN HOOD SYSTEM

STATE OF ARKANSAS
4/30/25
REGISTERED PROFESSIONAL ENGINEER
JAMES E. WHITSON, JR.
No. 6073

DRAWN	CHK'D
JEW	
DATE	SCALE
4.3.25	NS

DRAWING NO.
M1.4

PROJECT NO.

REV.
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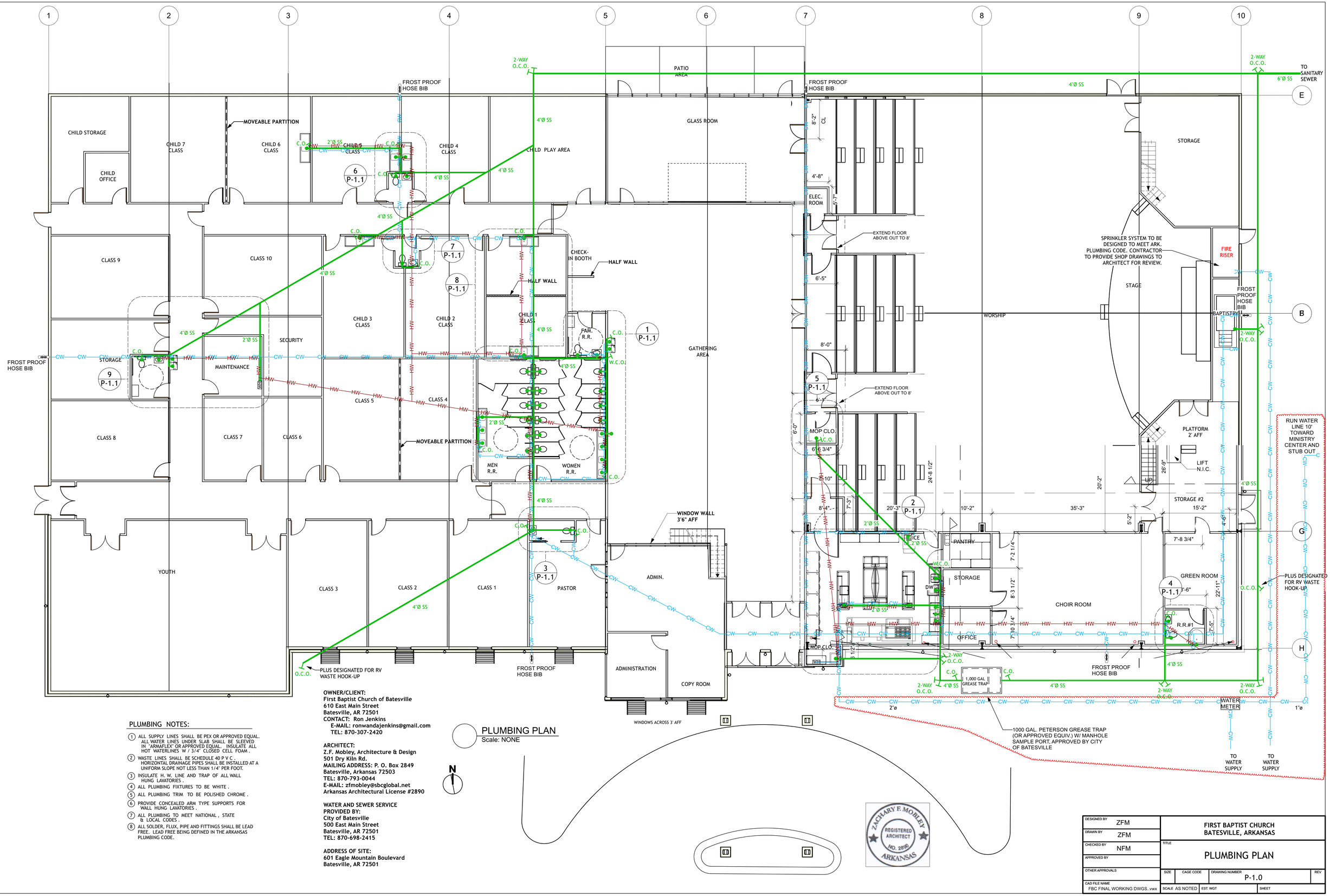


PLUMBING NOTES:

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 PLAN
Scale: NONE

N

ZACHARY F. MOBLEY REGISTERED ARCHITECT NO. 2890 ARKANSAS

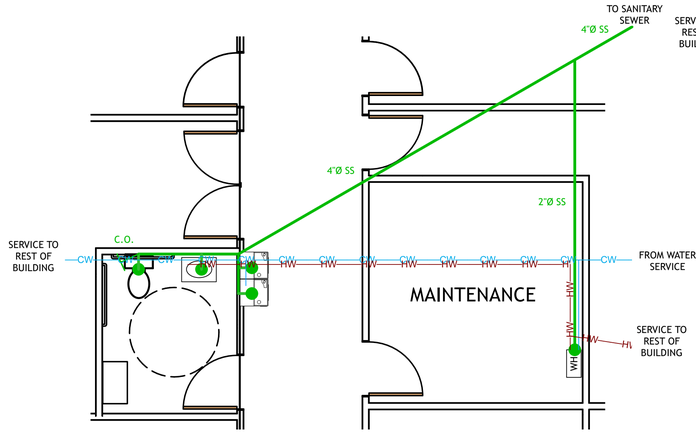
DESIGNED BY	ZFM
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS..vwx

FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

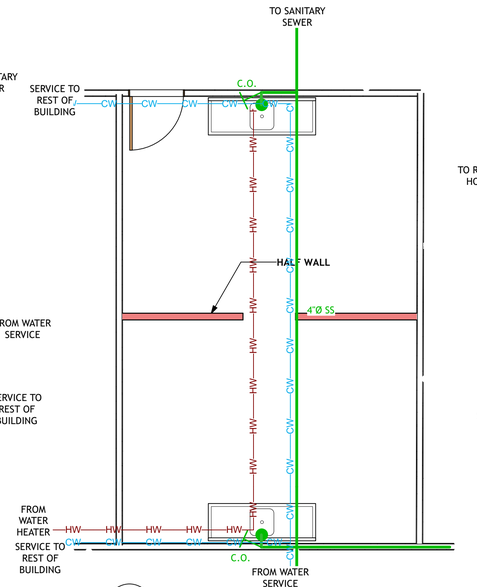
TITLE: PLUMBING PLAN

SIZE	CAGE CODE	DRAWING NUMBER	REV
		P-1.0	

SCALE: AS NOTED | EST. WGT | SHEET



9 P-1.1 EXPANDED W.C.
Scale: 1/4" = 1'-0"



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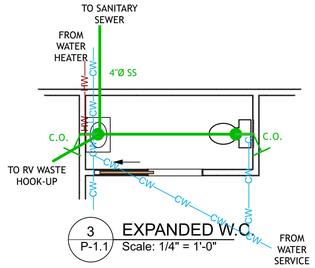
Scale: 1/4" = 1'-0"



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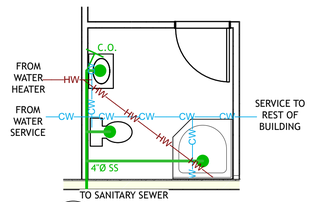
Scale: 1/4" = 1'-0"



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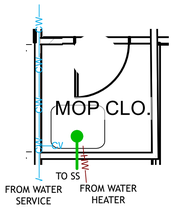
Scale: 1/4" = 1'-0"



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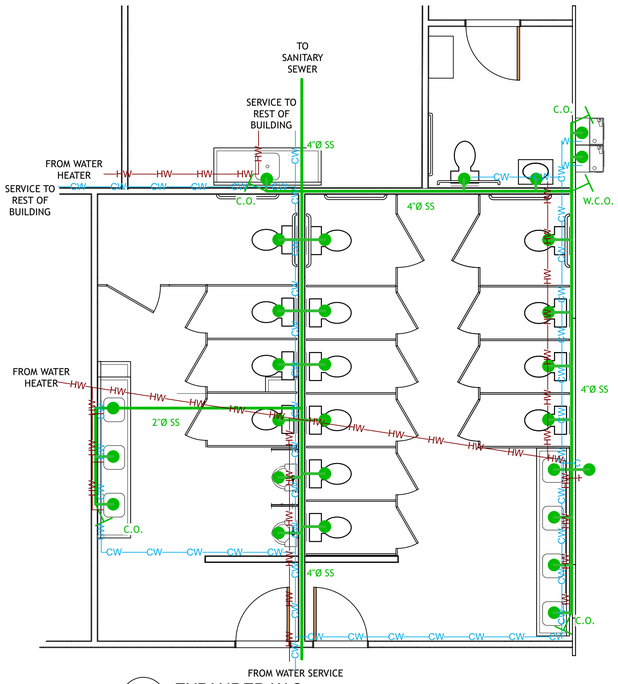
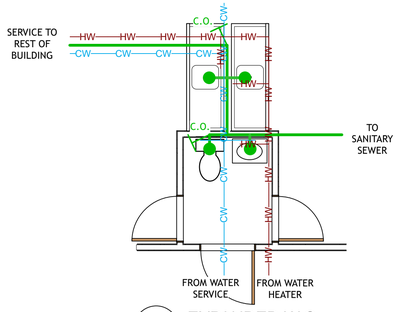
Scale: 1/4" = 1'-0"



1 P-1.1 EXPANDED W.C.
Scale: 1/4" = 1'-0"



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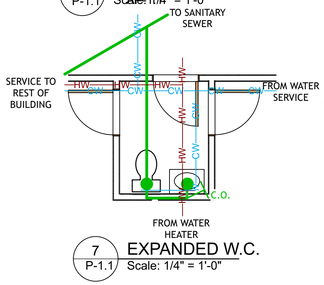
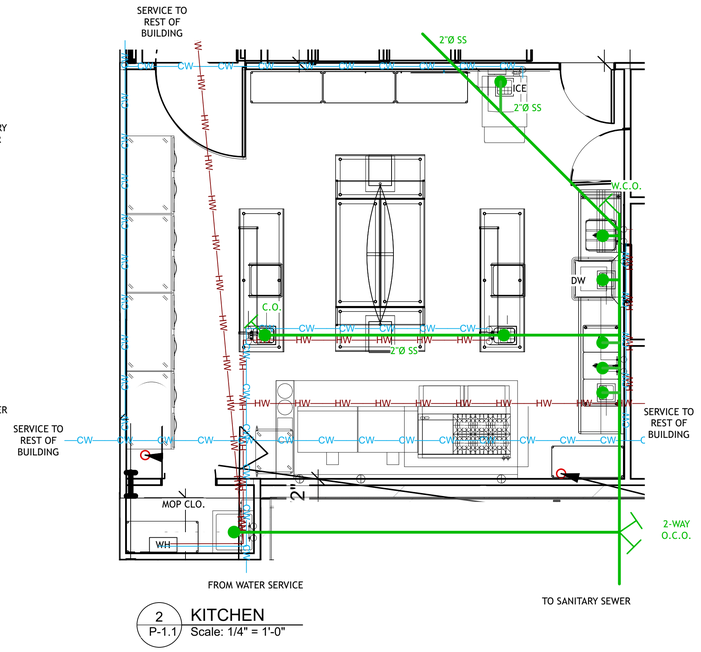
Scale: 1/4" = 1'-0"



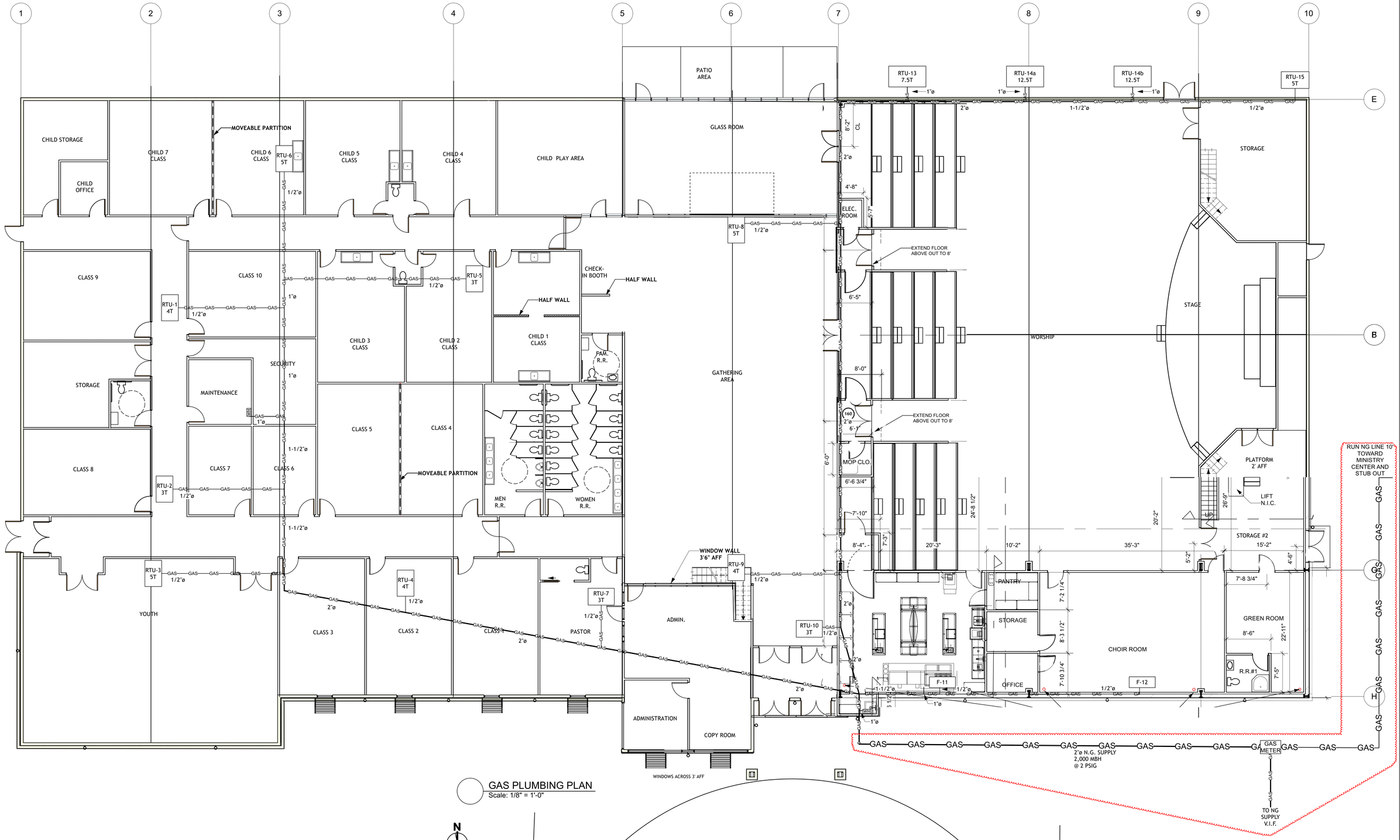
7 P-1.1 EXPANDED W.C.
Scale: 1/4" = 1'-0"



2 P-1.1 KITCHEN
Scale: 1/4" = 1'-0"

ZACHARY F. MOBLEY
REGISTERED ARCHITECT
NO. 2890
ARKANSAS

DESIGNED BY ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY ZFM	
CHECKED BY NFM	TITLE 1/4" PLUMBING PLAN
APPROVED BY	
OTHER APPROVALS	SIZE / CAGE CODE / DRAWING NUMBER P 1.1 / REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE AS NOTED / EST. WGT / SHEET



GAS PLUMBING PLAN

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

ZACHARY F. MOBLEY
REGISTERED ARCHITECT
NO. 2890
ARKANSAS

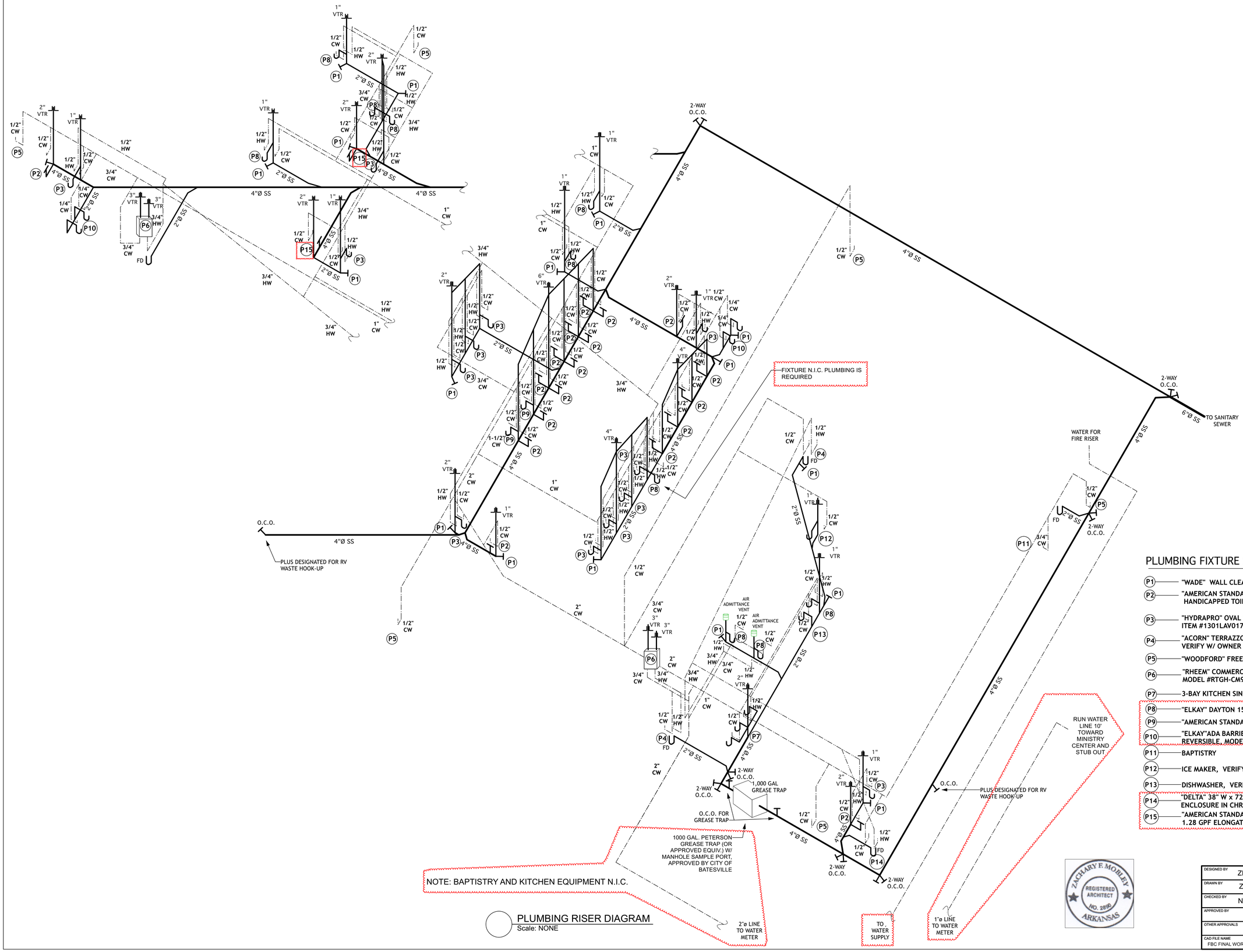
DESIGNED BY	ZFM
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS..vwx

FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

TITLE: GAS PLUMBING PLAN

SIZE	CAGE CODE	DRAWING NUMBER	REV
		P-1.2	

SCALE AS NOTED | EST. WGT | SHEET



PLUMBING RISER DIAGRAM
Scale: NONE

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

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 VERIFY W/ OWNER
P5	"WOODFORD" FREEZELESS WALL HYDRANT, MODEL #67/B67/RB67
P6	"RHEEM" COMMERCIAL CONDENSING TANKLESS GAS WATER HEATER, MODEL #RTGH-CM95DVLN, OR EQUIV. VERIFY W/ OWNER
P7	3-BAY KITCHEN SINK, VERIFY W/ OWNER
P8	"ELKAY" DAYTON 15" DROP IN SINGLE BASIN STAINLESS STEEL SINK, MODEL #D115163
P9	"AMERICAN STANDARD" ALLBROOK URINAL, MODEL #WB806204
P10	"ELKAY"ADA BARRIER FREE DRINKING FOUNTAIN, 2 STATION, REVERSIBLE, MODEL # EZSTL8LC
P11	BAPTISTRY
P12	ICE MAKER, VERIFY W/ OWNER
P13	DISHWASHER, VERIFY W/ OWNER
P14	"DELTA" 38" W x 72" H NEO-ANGLE PIVOT FRAMELESS CLEAR BLASS CORNER SHOWER ENCLOSURE IN CHROME, VERIFY W/ OWNER
P15	"AMERICAN STANDARD" BABY DEVORO 1.28 GPF ELONGATED TWO-PIECE TOILET

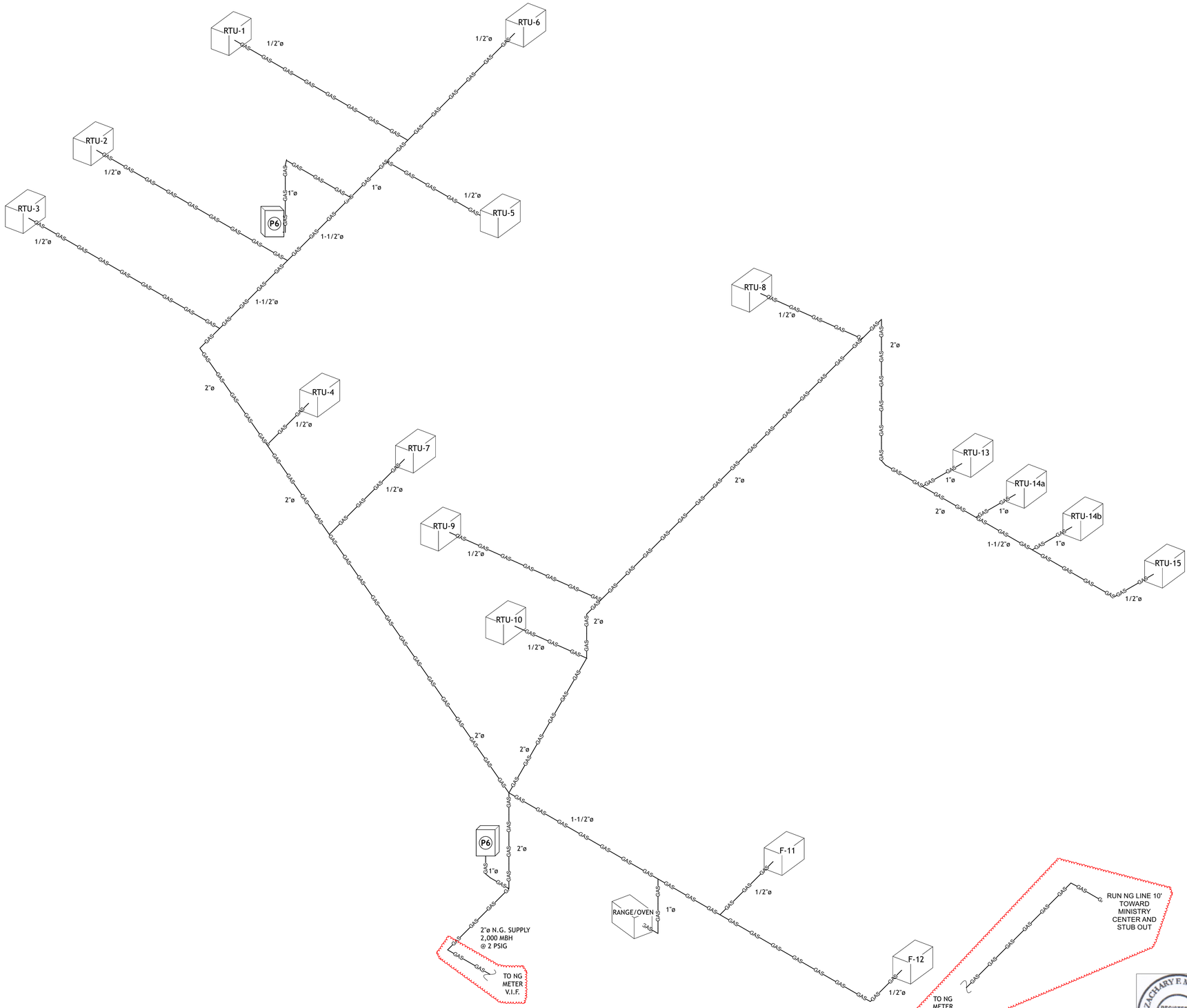
ZACHARY F. MOBLEY REGISTERED ARCHITECT NO. 2890 ARKANSAS

DESIGNED BY	ZFM
DRAWN BY	ZFM
CHECKED BY	NFM
APPROVED BY	
OTHER APPROVALS	
CAD FILE NAME	FBC FINAL WORKING DWGS..vwx

FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

TITLE: PLUMBING RISER DIAGRAM

SIZE	CAGE CODE	DRAWING NUMBER	REV
		P-2.0	
SCALE AS NOTED	EST. WGT	SHEET	



GAS RISER DIAGRAM
Scale: NONE

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ADDRESS OF SITE:
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PLUMBING FIXTURE SCHEDULE

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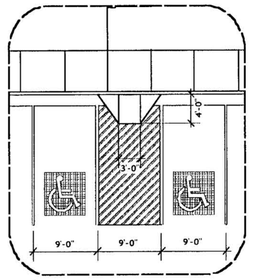
ZACHARY F. MOBLEY REGISTERED ARCHITECT NO. 2890 ARKANSAS

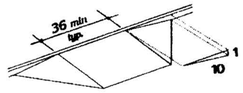
DESIGNED BY: ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY: ZFM	
CHECKED BY: NFM	TITLE: GAS RISER DIAGRAM
APPROVED BY:	
OTHER APPROVALS:	SIZE: — CAGE CODE: — DRAWING NUMBER: P-2.1 — REV:
CAD FILE NAME: FBC FINAL WORKING DWGS..vwx	SCALE: AS NOTED — EST. WGT: — SHEET:

NOTES:
1. SIGN SHALL BE VERTICALLY MOUNTED ON A POST OR A WALL AT EACH SYMBOL OF ACCESS ROAD, WITH BOTTOM 5'-0" HORIZONTALLY FROM THE FRONT THE BOTTOM OF THE SIGN NOT LESS A MINIMUM OF 4'-0" ABOVE PARKING GRADE
2. REFER TO SITE PLAN FOR LOCATION.
3. COLORS - LEGEND AND BORDER - GREEN
WHITE SYMBOL ON BLUE BACKGROUND
BACKGROUND - WHITE

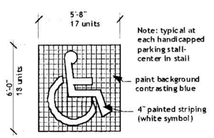
HANDICAPPED SIGN DETAIL
Scale: none



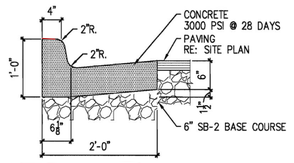
A / 51 HANDICAPPED PARKING
Scale: 1" = 10'

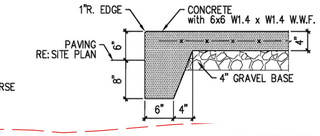


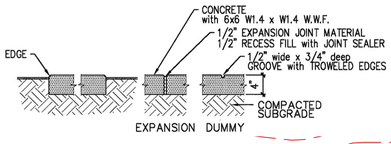
HANDICAPPED CURB RAMP DETAIL
Scale: none

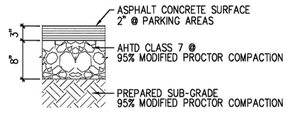


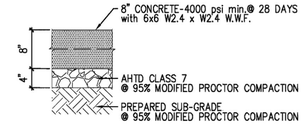
INTL. SYMBOL OF ACCESSIBILITY
Scale: none



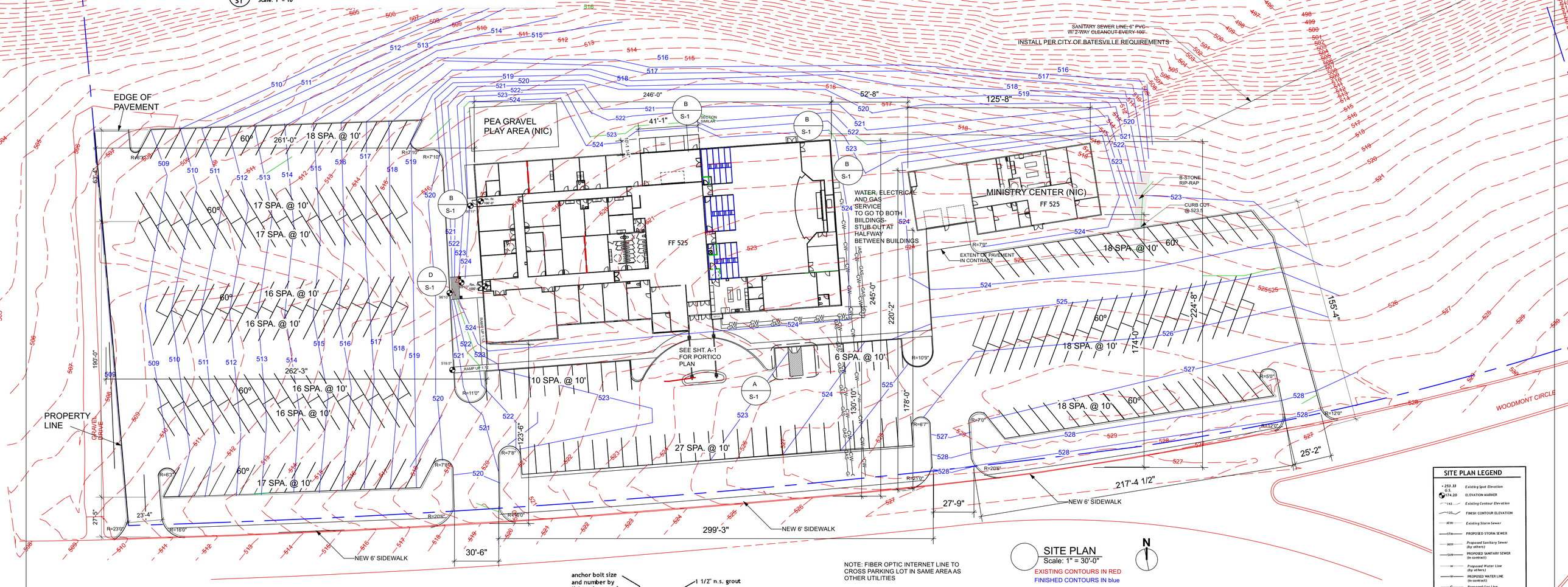








CURB & PAVING DETAILS
Scale: NONE

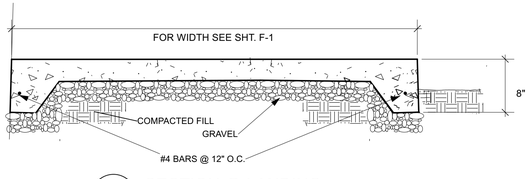


SITE PLAN
Scale: 1" = 30'-0"
EXISTING CONTOURS IN RED
FINISHED CONTOURS IN blue

NOTE: FIBER OPTIC INTERNET LINE TO CROSS PARKING LOT IN SAME AREA AS OTHER UTILITIES

SITE PLAN LEGEND

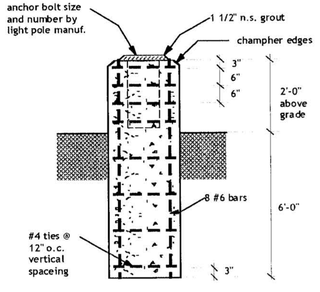
+ 253.33 G.S.	Existing Spot Elevation
174.20	ELEVATION MARKER
143	Existing Contour Elevation
120	FINISH CONTOUR ELEVATION
STM	Existing Storm Sewer
STM	PROPOSED STORM SEWER
SAN	Proposed Sanitary Sewer (by others)
SAN	PROPOSED SANITARY SEWER (in contract)
W	Proposed Water Line (by others)
W	PROPOSED WATER LINE (in contract)
G	Proposed Gas Line (by others)
G	PROPOSED GAS LINE (in contract)
E	Proposed Electric Line (by others)
E	PROPOSED ELECTRIC LINE (U.G) (in contract)
T	Existing Telephone Line
T	PROPOSED TELEPHONE LINE
TV	Existing Cable T.V. Line
TV	PROPOSED CABLE T.V. LINE
CC	PROPOSED COMMUNICATIONS CONDUIT (4" P.V.C.) (in contract)
	TERMINATION POINT OF UTILITY SERVICE/LINES IN CONTRACT



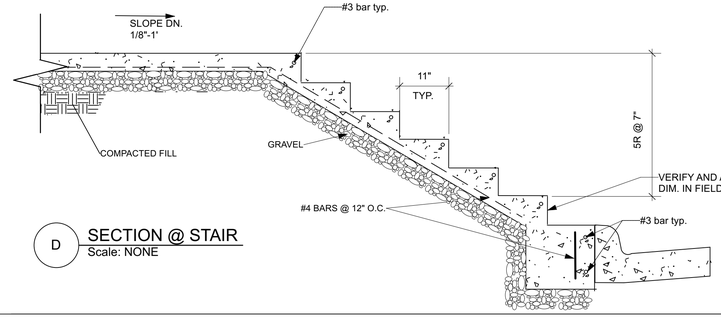
B SECTION @ LANDING
Scale: NONE
SLOPE OUT FROM BUILDING 1/8"-1'
FOR LOCATION AND SIZE OF LANDINGS SEE SHT A-1

NOT USED

C SECTION @ STAIR
Scale: NONE



LIGHT POLE FOOTING DETAIL
Scale: 1/2" = 1'-0"



D SECTION @ STAIR
Scale: NONE

ZACHARY F. MOBLEY
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NO. 2890
ARKANSAS

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FIRST BAPTIST CHURCH
BATESVILLE, ARKANSAS

TITLE: SITE PLAN 1" = 30'

SIZE	CAGE CODE	DRAWING NUMBER	REV
		S-1	

SCALE 1"=30' | EST. WGT | SHEET OF 2

SECTION 0160 - MATERIAL AND EQUIPMENT

PART 1- GENERAL

1.01 "SOURCE LIMITATIONS": TO THE FULLEST EXTENT POSSIBLE, PROVIDE PRODUCT AS OF THE SAME KIND AND FROM A SINGLE SOURCE.

1.02 "PRODUCT DELIVERY, STORAGE AND HANDLING": DELIVER, STORE AND HANDLE PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, USING METHODS THAT WILL PREVENT DAMAGE, DETERIORATION AND LOSS.

A. SCHEDULE DELIVERY TO MINIMIZE LONG TERM STORAGE AND PREVENT OVERCROWDING CONSTRUCTION SPACES.

B. DELIVER PRODUCTS IN MANUFACTURER'S ORIGINAL SEALED CONTAINER OR PACKAGING SYSTEM, COMPLETE WITH LABELS AND INSTRUCTIONS FOR HANDLING, STORING, UNPACKING, PROTECTING AND INSTALLING.

1.03 "PRODUCT SELECTION": PROVIDE PRODUCTS THAT COMPLY WITH THE CONTRACT DOCUMENTS, ARE UNDAMAGED AND UNUSED AT INSTALLATION.

A. PROVIDE PRODUCTS COMPLETE WITH ALL ACCESSORIES, TRIM, FINISH, SAFETY GUARDS AND OTHER DEVICES AND DETAILS NEEDED FOR A COMPLETE INSTALLATION AND FOR THE INTENDED USE AND EFFECT.

1.04 "INSTALLATION OF PRODUCTS": COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION OF PRODUCTS. ANCHOR EACH PRODUCT SECURELY IN PLACE, ACCURATELY LOCATED AND ALLIGNED WITH OTHER WORK. CLEAN EXPOSED SURFACES AND PROTECT TO ENSURE FREEDOM FROM DAMAGE AND DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION.

END OF SECTION 01600

SECTION 01635 - FINAL CLEANUP

PART 1 - GENERAL

1.01 PRIOR TO OCCUPANCY BY THE OWNER, AND WHEN AGREED UPON BY THE OWNER, THE GENERAL CONTRACTOR SHALL CLEAN UP THE PREMISES AND GROUNDS INCLUSIVE OF:

A. CLEAN AND POLISH GLASS AND SUPPORTING FRAMES. ALL DAMAGED, BROKEN OR SCRATCHED GLASS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

B. REMOVE STAINS, MARKS, FINGERPRINTS AND DIRT FROM PAINTED, STAINED OR DECORATED WORK.

C. REMOVE TEMPORARY PROTECTION AND CLEAN.

D. CLEAN AND POLISH HARDWARE, FIXTURES AND EQUIPMENT.

E. REMOVE WASTE MATERIALS AND BUILDING DEBRIS FROM THE ENTIRE SITE.

F. REMOVE LABELS FROM GLASS, MIRRORS, LIGHTING FIXTURES, PLUMBING FIXTURES, ETC.

G. CLEANING OF THE WORK AND GROUNDS SHALL BE PERFORMED UNDER THIS CONTRACT AND AT NO ADDITIONAL COST OR INCONVENIENCE TO THE OWNER, PRIOR TO ACCEPTANCE OF THE PROJECT.

1.02 SURFACES

A. CARPETING: VACUUM CLEAN WITH ELECTRIC, COMMERCIAL-TYPE V ACUUM CLEANERS, REMOVING LOOSE AND SURFACE DIRT TO THE COMPLETE SATISFACTION OF THE OWNER.
1. ANY DAMAGED OR SOILED MATERIAL FOUND UPON COMPLETION OF VACUUMING AND BEFORE OCCUPANCY BY THE OWNER SHALL BE REMOVED, REPAIRED OR CLEANED BY THE GENERAL CONTRACTOR.

B. RESILIENT FLOORING: REMOVE EXCESS ADHESIVE AND OTHER SPOTS. SCRUB FLOOR THOROUGHLY WITH HILLYARD'S SUPER-SHINE AL1 OR APPROVED SUBSTITUTE. WHEN DRY APPLY TWO THIN COATS OF HILLYARD'S SUPER HI-BRITE, OR APPROVED SUBSTITUTE, AND BUFF. FLOOR TREATMENT MATERIALS SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S DIRECTION.

C. CONCRETE FLOORS: REMOVE PAINT AND OTHER SPOTS FROM FLOOR.

D. PAINTED WALLS: REMOVE DUST, STAINS AND SPOTS FROM WALL BY VACUUM CLEANING OR WASHING AS NECESSARY.

E. PANELED WALLS, CABINET WORK, DOORS AND TRIM: REMOVE DUST AND SPOTS.

F. GLASS: CLEAN AND POLISH GLASS AND DOOR, WINDOW AND ENTRANCE FRAMES AND MIRRORS. REMOVE PAINT, VARNISH, EXCESS PUTTY, ETC., FROM GLASS BEFORE CLEANING. REMOVE CONCRETE, MORTAR AND PLASTER SPLATTERS WITH CARE TO AVOID SCRATCHING GLASS.

G. HARDWARE, PLUMBING, HEATING AND VENTILATION, AND ELECTRICAL FIXTURES: REMOVE PAINT, STAINS, LABELS, ETC. CLEAN AND POLISH HARDWARE AND FIXTURES. VACUUM DUST FROM LIGHTING FIXTURES.

END OF SECTION 01635

SECTION 03300 - CAST-IN-PLACE CONCRETE

PART 1 GENERAL

1.01 SUMMARY

A. EXTENT OF CAST-IN- PLACE CONCRETE IS SHOWN ON DRAWINGS.

B. TESTING AND INSPECTION:
1. BY THE CONTRACTOR - PAYMENT OF COSTS FOR CONCRETE TESTING AND INSPECTION AS HEREINAFTER DESCRIBED.

1.03 QUALITY ASSURANCE

A. SOURCE QUALITY CONTROL: MATERIALS ARE SUBJECT TO INSPECTION AND TESTS IN FIELD, CONDUCTED BY A QUALIFIED INSPECTION AGENCY. SUCH INSPECTIONS AND TESTS WILL NOT RELIEVE CONTRACTOR OF RESPONSIBILITY FOR PROVIDING MATERIALS IN COMPLIANCE WITH SPECIFICATION REQUIREMENTS. - PROMPTLY REMOVE AND REPLACE MATERIALS OR COMPONENTS WHICH DO NOT COMPLY.

B. TESTING:

1. REQUIRED TESTING SERVICES WILL BE
PERFORMED BY AN INDEPENDENT TESTING LABORATORY EMPLOYED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.

2. ALL SAMPLES SHALL BE TAKEN AFTER ANY ADDITION OF WATER AT THE JOB SITE IS COMPLETE. WHEN PUMPING OR PNEUMATIC EQUIPMENT IS USED, SAMPLES SHALL BE TAKEN AT DISCHARGE END. THIS IS FOR BOTH CYLINDERS AND SLUMP TESTS.
3. MOLD AND CURE THREE SPECIMENS (CYLINDERS) IN ACCORDANCE WITH ASTM C31. THREE SPECIMENS CONSTITUTE A STRENGTH TEST. TEST ONE CYLINDER AT 7 DAYS AND 2 AT 28 DAYS. ACCEPTANCE OF STRUCTURE WILL BE BASED ON RESULTS OF 28 DAY TESTS.
4. AIR CONTENT:
a. DETERMINE AIR CONTENT OF CONCRETE FOR EACH STRENGTH TEST BY EITHER THE PRESSURE METHOD (ASTM C231) OR THE VOLUMETRIC METHOD (ASTM C 173). THE "CHASE" AIR INDICATOR SHALL NOT BE USED.
b. A MINIMUM OF ONE AIR CONTENT TEST SHALL BE MADE IN THE MORNING AND ONE IN THE AFTERNOON. AIR CONTENT TESTS SHALL BE MADE ON ALL
c. ADDITIONAL AIR CONTENT TESTS, FOR CONCRETE SPECIFIED AS AIR-ENTRAINED, SHALL BE MADE WHEN ANY OF THE FOLLOWING CONDITIONS OCCUR:
1. A CHANGE IN APPEARANCE OR CONSISTENCY OF CONCRETE.
2. POSSIBLE REDUCTION OF AIR CONTENT DUE TO TIME DELAYS OF TRUCK AND OR HOT WEATHER.
3. WHEN AIR TEMPERATURE IS OVER 80 DEGREES F, CHECK EACH TRUCK LOAD.
INFORM THE OWNER OR OWNERS REPRESENTATIVE IMMEDIATELY OF ANY AND OR ANY AIR CONTENT THAT DO MEET THESE SPECIFICATIONS.
IF STRENGTH DURABILITY OR AETHETICS OF THE STRUCTURE WOULD BE IMPARIED THAT CONCRETE SHALL NOT BE USED.
4. CONCRETE TEST REPORTS SHALL CONTAIN THE FOLLOWING INFORMATION: CONCRETE SUPPLIER, QUANTITY OF CONCRETE REPRESENTED, LOCATION OF SAMPLES TAKEN, DESIGN STRENGTH REQUIREMENT AT 28 DAYS, LIST OF ALL MATERIALS AND ADMIXTURES USED WITH QUANTITY AND BRAND OR SOURCE, ACTUAL SLUMP, ACTUAL AIR CONTENT, AIR TEMPERATURE, CONCRETE TEMPERATURE, WEATHER, CYLINDER WEIGHT AS RECEIVED, DATE MOLDED, NUMBER OF DAYS ON JOB SITE, DATE TESTED, TEST RESULTS FOR 7 AND 28 DAYS, AND ANY OTHER INFORMATION NECESSARY TO EVALUATE TEST RESULTS.
5. COPIES OF REPORTS ON ALL REQUIRED LABORATORY TESTING TO BE MAINTAINED IN A FILE BY THE CONTRACTOR AND AVAILABLE TO THE OWNER, ARCHITECT OR ENGINEER SHOULD THEY BE REQUESTED.
6. VERBAL INFORMATION ON ANY CONCRETE NOT MEETING THESE SPECIFICATIONS SHALL BE COMMUNICATED TO THE OWNER OR OWNER'S REPRESENTATIVE IMMEDIATELY BY PHONE.

C. CONTRACTOR'S RESPONSIBILITY: PROVIDE A BOX FOR STORING CONCRETE TEST SPECIMENS WHILE ON JOB; MAINTAIN TEMPERATURE IN THE BOX BETWEEN 60 AND 80 DEGREES F; PREVENT LOSS OF MOISTURE FROM SPECIMENS IN ACCORDANCE WITH ASTM C31.

A. GENERAL: AS PER ACI 301, SECTIONS 4.2 AND 10.2, EXCEPT AS NOTED.

B. FORMS FOR EXPOSED FINISH CONCRETE: UNLESS OTHERWISE INDICATED, CONSTRUCT FORMWORK FOR EXPOSED CONCRETE SURFACES WITH PLYWOOD, METAL, METAL FRAMED PLYWOOD FACED OR OTHER ACCEPTABLE PANEL-TYPE MATERIALS, TO PROVIDE CONTINUOUS, STRAIGHT, SMOOTH, EXPOSED SURFACES. FURNISH IN LARGEST PRACTICABLE SIZES TO MINIMIZE NUMBER OF JOINTS AND TO CONFORM TO JOINT SYSTEM SHOWN ON DRAWINGS. PROVIDE FORM MATERIAL WITH SUFFICIENT THICKNESS TO WITHSTAND PRESSURE OF NEWLY-PLACED CONCRETE WITHOUT BOW OR DEFLECTION.

C. FORMS FOR UNEXPOSED FINISH CONCRETE: FORM CONCRETE SURFACES WHICH WILL BE UNEXPOSED IN FINISHED STRUCTURE WITH PLYWOOD, LUMBER, METAL OR OTHER ACCEPTABLE MATERIAL. PROVIDE LUMBER DRESSED ON AT LEAST 2 EDGES AND ONE SIDE FOR TIGHT FIT.

D. FORM COATINGS: PROVIDE COMMERCIAL FORMULATION FORM-COATING COMPOUNDS THAT WILL NOT BOND WITH, STAIN NOR ADVERSELY AFFECT CONCRETE SURFACES, AND WILL NOT IMPAIR SUBSEQUENT TREATMENTS OF CONCRETE SURFACES.

2.03 REINFORCING MATERIALS

A. REINFORCEMENT: AS PER ACI 301, SECTION 5.2, WITH SELECTIONS AND SUPPLEMENTS AS FOLLOWS:
1. REINFORCING BARS: ASTM A 615, GRADE 60.
2. WELDED WIRE FABRIC: ASTM A 185 FOR PLAIN WIRE.

B. SUPPORTS FOR REINFORCEMENT: PROVIDE SUCH ITEMS AS BOLSTERS, CHAIRS AND SPACERS FOR SUPPORTING, SPACING AND FASTENING REINFORCING BARS AND WELDED WIRE FABRIC IN PLACE. USE WIRE BAR TYPE SUPPORTS COMPLYING WITH CRSI SPECIFICATIONS, UNLESS OTHERWISE ACCEPTABLE. SUPPORTS SHALL BE OF THE FOLLOWING TYPES:
1. PRECAST CONCRETE BLOCKS: SUPPORT REINFORCEMENT FOR SLABS ON GRADE.

2.04 CONCRETE MATERIALS

A. GENERAL:
1. CEMENTS, ADMIXTURES, WATER AND AGGREGATES SHALL CONFORM TO ACI 301, CHAPTER 2, WITH SELECTIONS AND SUPPLEMENTS AS SPECIFIED HEREIN.

B. CEMENTS: ALL CEMENTS USED SHALL BE PORTLAND CEMENTS CONFORMING TO ASTM C 150, TYPE I OR III, UNLESS OTHERWISE ACCEPTABLE TO OWNER OR OWNER'S REPRESENTATIVE. TYPES LA AND IP AND FLY ASH ARE NOT ACCEPTABLE. USE ONE BRAND OF CEMENT THROUGHOUT PROJECT.

C. ADMIXTURES:
1. CONFORM TO FOLLOWING REQUIREMENTS:
a. AIR-ENTRAINING ADMIXTURE: ASTM C260.
b. WATER-REDUCING ADMIXTURE: ASTM C494, TYPE A, , CONTAINING NOT MORE THAN 0. 1 % CHLORIDE IONS.
c. HIGH-RANGE WATER-REDUCING ADMIXTURE (SUPER PLASTICIZER): ASTM C494, TYPE F OR G, CONTAINING NOT MORE THAN 0. 1 % CHLORIDEIONS.
d. WATER-REDUCING, NONCHLORIDE ACCELERATING ADMIXTURE: ASTM C494, TYPE E, CONTAINING NOT MORE THAN 0. 1 % CHLORIDEIONS.
e. WATER-REDUCING, RETARDING ADMIXTURE: ASTM C494, TYPE D, CONTAINING NOT MORE THAN 0. 1 % CHLORIDEIONS.
f. CERTIFICATION: UPON THE OWNER OR OWNER'S REPRESENTATIVE REQUES PROVIDE ADMIXTURE MANUFACTURER'S WRITTEN CERTIFICATION THAT CHLORIDEION CONTENT COMPLIES WITH SPECIFIED REQUIREMENTS.
g. CALCIUM CHLORIDE OR ADMIXTURES CONTAINING MORE THAN 0. 1 % CHLORIDEIONS ARE NOT PERMITTED.
2. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, ADMIXTURES USED SHALL BE PRODUCTS OF ONE OF THE FOLLOWING. WHERE MORE THAN ONE ADMIXTURE IS USED IN A CONCRETE MIX, THEY SHALL BE OF SAME MANUFACTURER.
a. CHEM-MASTERS CORP.
b. EUCLID CHEMICAL CO.
c. CONSTRUCTION PRODUCTS - DIVISION OF W.R. GRACE & CO.
d. MASTER BUILDERS- DIVISION OF MARTIN MARIETTA CORP.
e. SIKA CORP.

2.09 FABRICATING REINFORCEMENT

A. GENERAL: AS PER ACI 301, SECTIONS 5.3 AND 5.4, EXCEPT AS FOLLOWS:
1. NO WELDING OF REINFORCING BARS WILL BE PERMITTED WITHOUT APPROVAL OF THE OWNER OR OWNER'S REPRESENTATIVE.

PART 3 - EXECUTION

3.01 FORM WORK

A. GENERAL: AS PER ACI 301, CHAPTER 4, EXCEPT AS NOTED.

B. FORM DESIGN AND CONSTRUCTION: DESIGN, ERECT, SUPPORT, BRACE AND MAINTAIN FORMWORK TO SUPPORT VERTICAL AND LATERAL LOADS THAT MIGHT BE APPLIED UNTIL SUCH LOADS CAN BE SUPPORTED BY CONCRETE STRUCTURE. CONSTRUCT FORMWORK SO CONCRETE MEMBERS AND STRUCTURES ARE OF CORRECT SIZE, SHAPE, ALIGNMENT, ELEVATION AND POSITION. ARRANGE FORMS AND SUPPORTS TO BE READILY REMOVABLE WITHOUT IMPACT, SHOCK OR DAMAGE TO CAST-IN-PLACE CONCRETE SURFACES AND ADJACENT MATERIALS.

C. EARTH FORMS: EARTH CUTS MAY BE USED AS FORMS FOR FOOTING VERTICAL SURFACES, IF SIDES ARE SHARP AND TRUE, AND NOT EXPOSED IN

3.02 PLACING REINFORCEMENT
A. GENERAL: AS PER ACI 301, SECTIONS 5.4 AND 5.5.

B. COMPLY WITH CONCRETE REINFORCING STEEL INSTITUTE (CRSI) RECOMMENDED PRACTICE FOR "PLACING REINFORCING BARS", FOR DETAILS AND METHODS OF REINFORCEMENT PLACEMENT AND SUPPORTS, AND AS HEREIN SPECIFIED.

3.03 JOINTS AND EMBEDDED ITEMS

A. GENERAL: AS PER ACI 301, CHAPTER 6, WITH JOINT LOCATIONS AS NOTED.

B. CONSTRUCTION JOINTS: LOCATE AND INSTALL CONSTRUCTION JOINTS AS INDICATED, OR IF NOT INDICATED, LOCATE SO AS NOT TO IMPAIR STRENGTH AND APPEARANCE OF STRUCTURE. PROVIDE KEYWAYS AT LEAST 1-1/2" DEEP IN CONSTRUCTION JOINTS IN WALLS, SLABS AND BETWEEN WALLS AND FOOTINGS, EXCEPT BULKHEADS DESIGNED FOR THIS PURPOSE MAY BE USED FOR SLABS. PLACE CONSTRUCTION JOINTS PERPENDICULAR TO MAIN REINFORCEMENT. CONTINUE REINFORCEMENT ACROSS CONSTRUCTION JOINTS UNLESS NOTED OTHERWISE.
1. CONSTRUCTION JOINTS SHALL BE SPACED AT THE FOLLOWING MAXIMUM DISTANCES:
A. FOOTINGS -125 FT.
B. CONCRETE SLABS - AS PER PLANS.
C. GENERAL: IT IS THIS CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH ALL TRADES FOR THE SETTING OF THE SLEEVES, ANCHORS, INSERTS, FRAMES, AND OTHER EMBEDDED ITEMS AND PROVIDE ALL OPENINGS REQUIRED FOR THE INSTALLATION OF OTHER WORK IN ACCORDANCE WITH THE CONTRACTOR'S SHOP DRAWINGS AND CERTIFIED PRINTS.

D. STRUCTURAL INTEGRITY: PROVIDE NO SLEEVES OR OPENINGS IN STRUCTURAL CONCRETE UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE.

3.04 CONCRETE PLACEMENT

A. GENERAL: AS PER ACI 301, CHAPTER 8, EXCEPT AS NOTED.
B. PREPARATION BEFORE PLACING:
1. CLEANING: REMOVE LOOSE MILL SCALE AND RUST, DIRT AND OTHER COATINGS THAT WOULD REDUCE OR DESTROY BOND FROM REINFORCING STEEL. THOROUGHLY CLEAN FORMS OF HARDENED CONCRETE, WOOD CHIPS, SHAVINGS AND OTHER DEBRIS.
2. SPRINKLING SLAB UNDERBED: AT SLAB AREAS ON GROUND WHERE THERE IS NO MOISTURE BARRIER, SPRINKLE GRANULAR UNDERBED SUFFICIENTLY AND UNIFORMLY WITH CLEAN WATER TO ELIMINATE LOSS OF WATER FROM CONCRETE.
C. PLACING: NOT USED
D. COLD WEATHER PLACING:
1. PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH WHICH COULD BE CAUSED BY FROST, FREEZING ACTIONS, OR LOW TEMPERATURES, IN COMPLIANCE WITH ACI 306 AND AS HEREIN SPECIFIED.
2. WHEN AIR TEMPERATURE HAS FALLEN TO OR IS EXPECTED TO FALL BELOW 40 DEGREES F, UNIFORMLY HEAT WATER AND AGGREGATES BEFORE MIXING TO OBTAIN A CONCRETE MIXTURE TEMPERATURE OF NOT LESS THAN 50 DEGREES F, AND NOT MORE THAN 80 DEGREES F AT POINT OF PLACEMENT.
E. HOT WEATHER PLACING:
1. WHEN HOT WEATHER CONDITIONS EXIST THAT WOULD IMPAIR QUALITY AND STRENGTH OF CONCRETE, PLACE CONCRETE IN COMPLIANCE WITH ACI 305 AND AS HEREIN SPECIFIED.
2. COOL INGREDIENTS BEFORE MIXING TO MAINTAIN CONCRETE TEMPERATURE AT TIME OF PLACEMENT BELOW 90 DEGREES F. MIXING WATER MAY BE CHILLED, OR CHOPPED ICE MAY BE USED TO CONTROL TEMPERATURE PROVIDED WATER EQUIVALENT OF ICE IS CALCULATED TO TOTAL AMOUNT OF MIXING WATER.
3. COVER REINFORCING STEEL WITH WATER-SOAKED BURLAP IF IT BECOMES TOO HOT, SO THAT STEEL TEMPERATURE WILL NOT EXCEED THE AMBIENT AIR TEMPERATURE IMMEDIATELY BEFORE EMBEDMENT IN CONCRETE. FOG SPRAY FORMS, REINFORCING STEEL AND SUBGRADE JUST BEFORE CONCRETE IS PLACED.

3.06 FINISH OF FORMED SURFACES

A. GENERAL: AS PER ACI 301, CHAPTER 10, WITH SELECTIONS AS FOLLOWS:
1. ROUGH FORM FINISH: USE FOR FORMED CONCRETE SURFACES NOT EXPOSED TO VIEW IN THE FINISH WORK.
2. SMOOTH FORM FINISH: USE FOR FORMED CONCRETE SURFACES TO BE COVERED WITH A COATING OR COVERING MATERIAL APPLIED DIRECTLY TO CONCRETE, SUCH AS WATERPROOFING, DAMP PROOFING, PAINTING OR OTHER SIMILAR SYSTEM.
3. SMOOTH RUBBED FINISH: USE FOR FORMED CONCRETE SURFACES EXPOSED TO VIEW, EXCEPT USE SMOOTH FORM FINISH FOR EXPOSED OVERHEAD SURFACES, WHETHER OR NOT PAINTED.

3.07 SLABS

A. EXAMINATION
1. VERIFY THAT FLOOR SURFACES ARE READY TO RECEIVE WORK.
2. STARTING WORK CONSTITUTES ACCEPTANCE OF THE EXISTING CONDITIONS AND THIS CONTRACTOR SHALL THEN, AT HIS EXPENSE, BE RESPONSIBLE FOR CORRECTING ALL UNSATISFACTORY AND DEFECTIVE WORK ENCOUNTERED.

B. FINISHING
1. FINISH CONCRETE FLOOR SURFACES IN ACCORDANCE WITH ACI 301.
2. INITIAL WORKING:
a. REMOVE SURFACE IRREGULARITIES WITH BULL FLOAT BEFORE WATER APPEARS ON CONCRETE SURFACE.
b. DO NO FURTHER WORKING OF SURFACE UNTIL TIME FOR FLOATING; DO NOT WORK SURFACE WHILE WATER IS PRESENT.
c. "DRY SPRINKLE" METHOD FINISHING IS NOT ACCEPTABLE AND WILL BE CAUSE FOR REJECTION.
3. FLOATING:
a. BEGIN FLOAT OPERATIONS WHEN BLEED WATER SHEEN HAS DISAPPEARED AND CONCRETE HAS STIFFENED SUFFICIENTLY TO ALLOW WALKING ON SURFACE WITHOUT LEAVING HEEL PRINTS MORE THAN 1/4 INCH DEEP. USE MAGNESIUM OR ALUMINUM POWER FLOAT.
b. PREMATURE FINISHING BRINGS EXCESSIVE FINES TO SURFACE AND CAUSES SLAB TO HAVE SOFT SURFACE WHICH WILL DUST.
4. TROWELING:
a. DELAY TROWELING AS LONG AS POSSIBLE TO PREVENT WORKING EXCESS FINES AND WATER TO SURFACE. DO NOT BEGIN UNTIL SURFACE MOISTURE FILM AND SHINE REMAINING AFTER FLOATING HAVE DISAPPEARED.
b. POWER TROWEL WHERE POSSIBLE. USE HAND TROWEL IN INACCESSIBLE AREAS.
c. SLAB MUST BE ABLE TO ACCEPT SPECIFIED FLOOR TREATMENT. COORDINATE WITH FLOOR TREATMENT MANUFACTURER'S APPLICATION INSTRUCTIONS FOR PROPER FINISH AND FOR PROCEDURES WHEN FINISH IS TOO DENSE FOR PROPER FLOOR TREATMENT APPLICATION.
d. DO NOT RE-WET SURFACE TO TROWEL.
5. BROOMED:
a. PROVIDE A FLOATED FINISH, THEN FINISH WITH A FLEXIBLE BRISTLE BROOM.
b. ALLOW SURFACE TO HARDEN SUFFICIENTLY TO RETAIN SCORING OR RIDGES.
c. BROOM TRANSVERSE TO TRAFFIC OR AT RIGHT ANGLES TO SLOPE OF SLAB.
6. PROVIDE ACI "CLASS A" TOLERANCE= 1 /8 INCH VARIATION IN 10 FEET, MEASURED WITH STRAIGHT EDGE LAID IN ANY DIRECTION.

C. FINISH SCHEDULE
1. INTERIOR FLOOR SLABS: MACHINE TROWEL.
2. EXTERIOR SLAB AREAS: LIGHT BROOM.

3.08 CURING AND PROTECTION

A. GENERAL: AS PER ACI 301, CHAPTER 12, EXCEPT AS NOTED.
REQUIREMENTS FOR CURING AND PROTECTION SPECIFIED IN ACI 301 SHALL BE STRICTLY OBSERVED, WITH PARTICULAR EMPHASIS ON THE FOLLOWING:
1. INITIAL CURING MAY BE ACCOMPLISHED BY ANY OF THE METHODS GIVEN IN ACI 301, SECTION 12.2, EXCEPT AS NOTED, USING MATERIALS SPECIFIED HEREIN.
2. MAINTAIN INITIAL CURING FOR APPROXIMATELY 12 HOURS AFTER FINISHING. INCREASE THIS PERIOD TO 24 HOURS WHEN AIR TEMPERATURE IS 75 DEGREES F AND ABOVE.
3. TOTAL CURING PERIOD SHALL CONSIST OF 7 CUMULATIVE DAYS, (3 DAYS FOR HIGH-EARLY STRENGTH CONCRETE) NOT NECESSARILY CONSECUTIVE, DURING WHICH AIR IN CONTACT WITH CONCRETE IS ABOVE 50 DEGREES F.
4. FOR FORMED SURFACES, KEEP WOOD FORMS IN CONTACT WITH CONCRETE WET, AS WELL AS STEEL FORMS HEATED BY THE SUN. AFTER FORM REMOVAL, MAINTAIN CURING FOR ANY TIME REMAINING OF REQUIRED CURING PERIOD.

B. WEATHER REQUIREMENTS:
1. WARM, DRY, OR WINDY WEATHER: USE FINISHING AID SPECIFIED HEREIN TO REDUCE MOISTURE EVAPORATION FROM FRESHLY PLACED CONCRETE WHEN IT IS EXPOSED TO RAPID DRYING CONDITIONS: DIRECT SUNLIGHT, LOW HUMIDITY, HEATED INTERIOR, HIGH WIND, ETC. PREPARE DILUTE SOLUTION AND SPRAY APPLY ON RATE OF 10 TO 20 GALLONS SOLUTION/5000 SQ. FT. IF DRYING CONDITIONS ARE PARTICULARLY SEVERE, MAKE ADDITIONAL APPLICATIONS AS REQUIRED FOLLOWING VARIOUS FINISHING STEPS.

C. USE OF CURING METHODS: MAINTAIN CURING PROTECTION IN GOOD CONDITION DURING REQUIRED PERIOD. REPAIR, REAPPLY OR REPLACE WHEN NECESSARY.
1. WATER: WHEN EXCESSIVE AMOUNTS OF WATER ARE USED FOR CURING, PROVIDE MEANS FOR REMOVAL SO THAT HARMFUL EFFECTS TO OTHER CONSTRUCTION AND TO EARTH SURFACES WILL BE MINIMIZED.
2. WATERPROOF SHEET MATERIALS: THESE WILL BE PERMITTED FOR INITIAL CURING ONLY. USE LARGEST PRACTICAL SIZE SHEETS. LAP JOINTS NOT LESS THAN 4" AND SEAL CAREFULLY. ANCHOR COVERING SECURELY IN PLACE.
3. CURING COMPOUNDS:
a. RESTRICTIONS ON USE: DO NOT USE CURING COMPOUND ON SURFACES OVER WHICH HOMOGENEOUS SHEET MATERIAL WILL BE APPLIED. FOR SURFACES TO RECEIVE OTHER FINISHES, SUBMIT WELL IN ADVANCE OF TIME FOR CURING APPLICATION, WRITTEN ACCEPTANCE OF CURING COMPOUND BY BOTH THE MANUFACTURER AND THE INSTALLER OF THE FINISH MATERIAL, RELATIVE TO COMPATIBILITY THEREWITH OF FINISH MATERIAL, INCLUDING PRIMERS, ADHESIVES, AND SIMILAR MATERIALS. IF MANUFACTURER OF FINISH MATERIAL HAS NOT BEEN DETERMINED, GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SUCH ACCEPTANCE.
b. APPLICATION: APPLY UNIFORMLY AT A COVERAGE RATE NOT LESS THAN THAT STATED BY MANUFACTURER WHICH MEETS ASTM C309 MOISTURE RETENTION REQUIREMENT (0.55 KILOGRAM/SQ. METER/72 HR.).

END OF SECTION 03300

SECTION 07210 - BUILDING INSULATION

PART 1 - GENERAL

1.01 SUMMARY

A. SECTION INCLUDES:
1. GLASS FIBER BLANKET/BATT.
2. VINYL BACKED METAL BUILDING BLANKET INSULATION
3. VAPOR BARRIERS WHERE INDICATED.

1.03 DEFINITIONS

A. THERMAL RESISTIVITY (R-VALUE): THE TEMPERATURE DIFFERENCE IN DEGREES F BETWEEN THE TWO SURFACES OF A MATERIAL EXACTLY 1 INCH THICK, REQUIRED TO MAKE 1 BTU OF ENERGY FLOW THROUGH 1 SQUARE FOOT OF THE MATERIAL IN 1 HOUR.

1.04 SUBMITTALS

A. PRODUCT DATA: SUBMIT FOR EACH PRODUCT SPECIFIED IN THIS SECTION.

1.05 QUALITY ASSURANCE

A. MANUFACTURER'S QUALIFICATIONS: FIRM REGULARLY ENGAGED IN MANUFACTURING OF PRODUCTS SPECIFIED IN THIS SECTION AND WHOSE PRODUCTS HAVE BEEN IN SATISFACTORY USE UNDER SIMILAR SERVICE CONDITIONS FOR NOT LESS THAN 5 YEARS.

B. INSTALLER'S QUALIFICATIONS: FIRM REGULARLY ENGAGED IN INSTALLATION OF PRODUCTS SPECIFIED IN THIS SECTION, WITH MINIMUM 5 YEARS' EXPERIENCE.

C. MAXIMUM ASBESTOS CONTENT: NONE

PART 2 - MATERIALS
2.01 MATERIALS

A. PROVIDE MANUFACTURER'S STANDARD INSULATION PRODUCTS, AS INDICATED ON DRAWINGS.
1. THICKNESSES OR "R" VALUES OF INSULATION ARE INDICATED ON DRAWINGS

B. GLASS FIBER C. BLANKET/BATT INSULATION: WHERE INSTALLATION OF BLANKET/BATT INSULATION IS INDICATED, COMPLYING WITH REQUIREMENTS BELOW.
1. FOIL-SCRIM-KRAFT FACED BLANKET/BATT: TYPE III, CLASS A (ASTM C 665). BLANKET/BATT EXCLUSIVE OF FACING MUST PASS ASTM E 136 COMBUSTION TEST REQUIREMENTS.
2. ROOF INSULATION TO BE VINYL SCRIM FACED BLANKET INSULATION 4" THICK FIBERGLASS, U.L. RATED
3. WALL INSULATION TO BE VINYL SCRIM FACED BLANKET INSULATION FULL THICK FIBERGLASS, U.L. RATED
4. ALL CEILING INSULATION TO BE FACED BLANKET INSULATION 6" THICK FIBERGLASS, U.L. RATED
5. ALL WALL INSULATION TO BE FACED BLANKET INSULATION FULL THICKNESS OF WALL AND FULL WITH BETWEEN THE STUDS TO FILL CAVITY.

3.02 PREPARATION

A. CLEAN SUBSTRATES OF ANY SUBSTANCES WHICH MIGHT DAMAGE MATERIALS TO BE INSTALLED.

3.03 INSTALLATION

A. DO NOT INSTALL INSULATION WHICH IS DAMAGES, WET, SOILED, OR WHICH HAS BEEN COVERED AT ANY TIME WITH ICE OR SNOW.

B. COMPLY WITH INSULATION MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION SEQUENCE. PROVIDE PERMANENT PLACEMENT AND SUPPORT OF INSULATION.

C. INSTALL MATERIALS IN A MANNER WHICH WILL MAXIMIZE CONTINUITY OF THERMAL ENVELOPE. USE A SINGLE LAYER OF INSULATION WHEREVER POSSIBLE TO ACHIEVE INDICATED REQUIREMENTS, UNLESS OTHERWISE INDICATED.

D. VAPOR BARRIER COMPLY WITH MEMBRANE MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF MEMBRANE AS VAPOR BARRIER IN APPLICATION INDICATED.

END OF SECTION 07210

SECTION 07210 - EXTERIOR INSULATION AND FINISH SYSTEM

PART 1 GENERAL
1.1 SECTION INCLUDES
A. Exterior Insulation and Finish System with Drainage.

1.4 PERFORMANCE REQUIREMENTS
A. Air/Water-Resistive Barrier Coating - System Construction:
1. Tensile Bond (ASTM C 297/E 2134): Minimum 104 kPa (15 psi).
2. Freeze-thaw (ASTM E 2485): No deleterious effects after 10 cycles.
3. Water Resistance (ASTM D 2247): No deleterious effects after 14 days exposure.
4. Water Vapor Transmission (ASTM E 96 Proc. B): Vapor Permeable.
5. Air Leakage (ASTM E 283): 0.6 l/min/m2 (0.002 cfm/sqft).
6. Structural Performance (ASTM E 1233 Proc. A): Minimum 10 positive cycles at 1/240 deflection; No cracking in field, at joints or interface with flashing.
7. Racking (ASTM E 72): No cracking in field, at joints or interface with flashing at net deflection of 3.2 mm (1/8 inch).
8. Restrained Environmental: 5 cycles; No cracking in field, at joints or interface with flashing.
9. Water Penetration (ASTM E 331): No water penetration beyond the inner-most plane of the wall after 15 minutes at 137 Pa (2.86 psf).
10. UV Exposure (ASTM D 2898): 210 hours of exposure.
11. Accelerated Aging: 25 cycles of drying and soaking.
12. Hydrostatic Pressure Test (AATCC 127): 21.6" water column for 5 hours.
13. Surface Burning Characteristics (ASTM E 84): Flame Spread - Less Than 25; Smoke Developed - Less than 450.
B. Flashing Materials- System Construction:
1. I Sealability: (ASTM D 1970) - No water penetration.
2. Tensile Strength: (ASTM D 412-98a and AC148) - Minimum 7.1 kg/cm (39.9 lb/in) for aged specimen.
3. Pliability: (AC148 Sec. 4.6) - No cracking when bent over 3 mm (1/8 in) mandrel at 0 degrees C (32 F).
4. Water Resistance: (AATCC Method 167 and AC148 Section 4.5) - No water leakage after UV exposure and accelerated aging cycling.
5. Ultraviolet Exposure: (ICC ES AC148) - 210 hrs - No deleterious effects when viewed under 5x magnification.
6. Accelerated Aging Cycling: (Sec. 4.5.2 ICC ES AC148) - 25 cycles: 3 hrs at 49 Degrees C (120 F), 3 hrs water immersion, 18 hrs air dry: No visible damage under 5x magnification.
7. Accelerated Aging Cycling: (Sec. 4.3.1.1 ICC ES AC148): - 25 cycles: 3 hrs at 49 Degrees C (120 F), 3 hrs water immersion, 18 hrs at -40 Degrees C (-40 F). No visible damage under 5x magnification.
C. Durability- System Construction:
1. Abrasion Resistance (ASTM D 968): No deleterious effects after 1000 liters (1056 quarts).
2. Accelerated Weathering (ASTM G155 Cycle 1): No deleterious effects after 5000 hours.
3. Accelerated Weathering (ASTM G 154 Cycle 1 (QUV): No deleterious effects after 5000 hours.
4. Freeze-Thaw (ASTM E 2485): No deleterious effects after 90 cycles.
5. Mildew Resistance (ASTM D 3273): No growth during 60 day exposure period.
6. Water Resistance (ASTM D2247): No deleterious effects after 42 days exposure.
7. Taber Abrasion (ASTM D 4060): Passed 1000 cycles.
8. Salt Spray Resistance (ASTM B 117): No deleterious effects after 1000 hours exposure.
9. Transverse Wind Load (ASTM E 330): Minimum 4.3 kPa (90 psf), 16 in o.c. framing, 1/2 inch (13mm) sheathing screw attached at 203 mm (8 in) o.c.
10. Tensile Bond (ASTM C 297): Minimum 213.6 kPA (31 psi)
11. Water Penetration (ASTM E 331): Passed 15 minutes at 137 Pa (2.86 psf).
12. Water Vapor Transmission (ASTM E 96 Proc. B).
a. EPS: 5 Perm-inch.
b. Base Coat: 40 Perms.
c. Finish: 40 Perms.
13. Drainage Efficiency (ASTM E 2273): Minimum Drainage Efficiency of 90 percent.
D. Fire Performance - System Construction:
1. Fire Resistance (ASTM E 119): Passed 1 hour.
2. Ignitability (NFPA 268): No ignition at 12.5 kw/m2 at 20 minutes.
3. Intermediate Multi-Story Fire Test (NFPA 285):
a. Resist flame propagation over the exterior surface.
b. Resist vertical spread of flame within combustible core/component of panel from one story to the next.
c. Resist vertical spread of flame over the interior surface from one story to the next.
d. Resist lateral spread of flame from the compartment of fire origin to adjacent spaces.
4. Full Scale Multi-Story (ANSI FM 4880): Resist flame propagation over the exterior surface
1.5 SUBMITTALS
A. Submit under provisions of Section 01300
B. Product Data: Manufacturer's data sheets on each product to be used, including:
1. Preparation instructions and recommendations.
2. Storage and handling requirements and recommendations.
3. Installation methods.
C. Shop Drawings:Submit Manufacturer's drawings detailing the approved methods for flashing and waterproofing all conditions applicable to the work listed in this section.

D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
VV **project.**
Board, DS131.
1. Thickness: 1 inch (__mm).
B. Insulation manufacturer selected from those listed by Dryvit Systems, 1nc.
2.5 INSULATION ADHESIVE AND BASE COAT
A. Primus: 100 percent polymer-based product, which is field mixed in a 1 to 1 ratio by weight with Portland cement to produce Primus mixture.
1. Working Time: 1 hour.
2. Water Vapor Transmission: ASTM E 96 - Permeable to water vapor.
3. Bond Strength: Exceeds the cohesive strength of insulation board.
B. Genesis: fiber-reinforced, 100 percent acrylic-based product which, when mixed with Portland cement, provides a high-build, exceptionally easy to trowel adhesive, base, texture or leveling coat.
1. Working Time: 2 to 4 hours.
2. Water Vapor Transmission: ASTM E 96 - Permeable to water vapor.
3. Bond Strength: Exceeds the cohesive strength of insulation board.
C. Genesis FM: 100 percent acrylic-based product which, when mixed with Portland cement, provides an exceptionally easy to trowel adhesive and base coat.
1. Working Time: 2 to 4 hours.
2. Water Vapor Transmission: ASTM E 96 - Permeable to water vapor.
3. Bond Strength: Exceeds the cohesive strength of insulation board.
4. Full Scale Inside Corner Test: ANSI-FM 4880 - Passed - unlimited height.
D. NCB: Water-based tintable acrylic base coat applied without the addition of Portland cement. Flexible and crack-resistant base and grout coat.
1. Working Time: N/A - May be re-tempered with additional water.
2. Water Vapor Transmission: ASTM E 96 - Permeable to water vapor.
3. Bond Strength: Exceeds the cohesive strength of insulation board.
E. Primus DM: Dry blend, polymer-based adhesive and base coat. Field mixed to produce a high performance, easily applied adhesive and base coat.
1. Working Time: 1 to 3 hours.
2. Water Vapor Transmission: ASTM E 96 - Permeable to water vapor.
3. Bond Strength: Exceeds the cohesive strength of insulation board.
F. Genesis DM: High-performance, fiber-reinforced dry blend adhesive and base coat specifically formulated for Dryvit systems.
1. Working Time: 1 to 3 hours.
2. Water Vapor Transmission: ASTM E 96 - Permeable to water vapor.
3. Bond Strength: Exceeds the cohesive strength of insulation board.
G. Genesis DMS: Sprayable, dry blend, polymer-modified adhesive and base coat for use with Dryvit systems.
1. Working Time: 2 to 3 hours.
2. Water Vapor Transmission: ASTM E 96 - Permeable to water vapor.
3. Bond Strength: Exceeds the cohesive strength of insulation board.
H. Rapidry DM 35-50: Fast setting, polymer-modified, fiber-reinforced, cement-based, dry blend adhesive and base coat for use with Dryvit systems during colder weather.
1. Working Time: 45 to 60 minutes.
2. Water Vapor Transmission: ASTM E 96 - Permeable to water vapor.
3. Bond Strength: Exceeds the cohesive strength of insulation board.
I. Rapidry DM 50-75: Fast setting, polymer-modified, fiber-reinforced, cement-based, dry blend adhesive and base coat for use with Dryvit systems.
1. Working Time: 30 to 45 minutes.
2. Water Vapor Transmission: ASTM E 96 - Permeable to water vapor.
3. Bond Strength: Exceeds the cohesive strength of insulation board.
2.6 FINISH COAT
Texture: Sandblast DPR.

2. Color: To be selected by the Architect from Manufacturer's available
3. Texture: Quarzputz E.
4.
7. Water Vapor Transmission: ASTM E 96 - Permeable to water vapor.
8. Water Resistance: ASTM D 2247 - 14-day exposure; No deleterious effects.
9. Salt Spray Resistance: ASTM B 117 - 300 hours; No deleterious effects.
10. Accelerated Weathering: ASTM G 155 - 5000 hours; No deleterious effects.
11. Freeze/Thaw Resistance: ASTM E 2485 (EIMA 101.01) - 60 cycles; no deleterious effects.
12. Wet Scrub Resistance: ASTM D 2486 - 2,000 scrub cycles; No cracking, checking or loss of film integrity.
13. Mildew Resistance: ASTM D 3273 - 60 Days, no growth.
14. Flame Spread: ASTM E 84 - Less than 25, Class I.
15. Mandrel Bend: ASTM D 522 - Passed 1/2 inch at 21 C (70 F) and 1 inch at 4 C (40 F).

1.7 DELIVERY, STORAGE, AND HANDLING
A. Store products in manufacturer's unopened packaging until ready for installation.
B. Store and dispose of hazardous materials in accordance with requirements of local authorities having jurisdiction.
1.8 PROJECT CONDITIONS
A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
1.9 WARRANTY
A. At project closeout, provide to the owner or owners representative an executed copy of the manufacturer's moisture drainage and limited materials warranty against defective material.
PART 2 PRODUCTS
2.1 MANUFACTURERS
A. Acceptable Manufacturer: Dryvit Systems, Inc., which is located at: One Energy Way P. O. Box 1014 ; West Warwick, RI 02893-0914; Toll Free Tel: 800-556-7752; Tel: 401-822-4100; Email: request info (info@dryvit.com); Web: www.dryvit.com
B. Requests for substitutions will be considered in accordance with provisions of Section 01600.
2.2 AIR / WATER-RESISTIVE BARRIERS
A. Dryvit Backstop NT Smooth: Flexible, smooth surfaced, polymer-based non-cementitious coating used as a water-resistive barrier and air barrier over exterior substrates.
B. Dryvit Backstop NT Textured: Flexible, Textured, polymer-based non-cementitious coating used as a water-resistive barrier and air barrier over exterior substrates.
C. Dryvit Grid Tape: An open weave fiberglass mesh tape with pressure sensitive adhesive for reinforcing sheathing joints and exposed sheathing edges.
1. Roll Size: 102 mm (4 inches) wide by 91 m (100 yards) long.
D. Dryvit Backstop DMS: Backstop DMS is a polymer-modified cementitious, sprayable, dry mix, water-resistive membrane/air barrier, and adhesive. Over sheathing substrates, joints are treated with Backstop NT-Texture and Grid Tape.
2.3 FLASHING MATERIALS
A. AquaFlash: Flexible, water-based polymer material used to seal substrates around windows, doors and other openings.
B. AquaFlash Mesh: Reinforcing mesh for use in conjunction with AquaFlash:
C. Dryvit Flashing Tape™: A high density polyethylene film backed with a rubberized asphalt adhesive

2.4 INSULATION BOARD
A. Expanded Polystyrene meeting Dryvit Specification for Insulation
1. Color: To be selected by the Architect from Manufacturer's available color choices.

1. Demandit: 100 percent acrylic coating available in a variety of standard and custom colors. Highly resistant to mold and mildew growth and water vapor permeable.

8. Reflectit: 100% acrylic coating for Dryvit finishes and other approved substrates, and provides a glossy, pearlescent appearance.
C. Dryvit AP Adhesive: A moisture cure, urethane-based adhesive used to adhere the Dryvit Drainage Strip and Drainage Track.
D. Drainage Track: UV treated PVC "J" channel perforated with weep holes, complying with ASTM D 1784 and ASTM C 1063. For use at the base of
1. Starter Trac STWP - Without drip edge; by Plastic Components, 1nc.
2. Starter Trac STDE - With drip edge; by Plastic Components, Inc.
3. Universal Starter Track; by Wind-lock Corporation.
4. Sloped Starter Strip with Drip; by Vinyl Corp.
E. Dryvit Drainage Strip: Corrugated high impact polystyrene material used to provide drainage at the base of walls, heads of windows and floor line expansion joints
PART 3 EXECUTION
3.1 EXAMINATION
A. Do not begin installation until substrates have been properly prepared.
B. Verify that the substrate is:
1. Acceptable for use in conjunction with the work listed in this section.
2. Flat within 6.4 mm (1/4 in) in a 1.2 m (4 ft) radius.
3. Sound and dry with tight connections, no surface voids, projections, or other conditions that may interfere with the Outsulation Plus MD System installation or performance.
C. Install all flashings and other waterproofing details prior to commencing work.
1. Inspect metal roof flashing for installation in accordance with Asphalt Roofing Manufacturers Association (ARMA) Standards.
2. Flash openings in accordance with the Contract Drawings or as otherwise necessary to prevent water penetration.
3. Flash all chimneys, balconies and decks and other adjacent work.
4. Install all windows, doors and other surface penetrations in accordance with manufacturer's requirements and the Contract Drawings.
D. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
3.2 PREPARATION
A. Protect adjoining work and property during installation.
B. Remove foreign materials from all substrates, such as oil, dust, dirt, form-release agents, efflorescence, paint, wax, water repellants, moisture, frost, and any other condition that may inhibit adhesion.
3.3 INSTALLATION
A. Install in accordance with manufacturer's instructions.
B. Apply base coat sufficiently to fully embed the mesh. The recommended method is to apply the base coat in two (2) passes.
C. Coat Dryvit Outsulation Plus MD System surfaces in contact with textured finishes or base coat surfaces with Demandit or Color Prime.
D. Install high impact meshes as specified at ground level, high traffic areas and other areas exposed to or susceptible to impact damage.
E. Protect Outsulation Plus MD System materials from inclement weather and other sources of damage until completely dry.
3.4 CLEANING
A. Remove all excess materials shall be removed from the job site in accordance with contract provisions and as required by applicable law.
B. Clean debris and foreign substances resulting from the contractor's work.from all surrounding areas.
3.5 PROTECTION
A. Protect installed products until completion of project.
B. Touch-up, repair or replace damaged products before substantial completion.

END OF SECTION
NEW CONSTRUCTION SPECIFICATIONS:
Simple Saver System® for New Pre-Engineered Metal Buildings
(with OSHA Compliant Through Fall Protection and a Ten-year Limited Material Warranty) MasterFormatTM Division 7: Thermal Protection
MasterFormatTM Division 13: Special Construction,
Section 13 34 19–Metal Building Systems
601 North Main Street
PO Box 468, Madison, NE 68748 800.255.0776 | thermaldesign.com

A "Through fall protection" (29 CFR-1926.501, 1926.760)
B "Protection from falling objects" (29 CFR-1926.759)
C "Protection from falls through roof openings"
(29 CFR-1926.759)
D "Product-related project safety training"
(29 CFR-1926.761)
E "Product-related project specific safety plan"
(29 CFR-1926.752)

Quality Assurance: Provide the materials in original manufacturer's packages together with detailed instructions and project drawings of the installation. Materials shall be inspected for damage, proper sizes and quantities upon delivery and stored in a dry, secure manner. Post the detailed training instructions, project specific safety drawings, and plans for OSHA compliance using the product. Installation shall proceed with care to assure proper sealing of the liner system fabric. Insulation shall be placed on (roof) or behind (walls) the liner system fabric in the full-specified thickness without voids and with minimal compression of top layer (if applicable in roofs). Notify Thermal Design (800.255.0776) immediately of any damages, improper sizes or shortages. No changes or substitutions will be allowed unless submitted at least 10 days prior to bid date and in compliance with Simple Saver System standards as setforth in this specification. Substitutions of systems that do not have a continuous vapor retarder on the inside plane of the purlins or girts will not be allowed. Substitutions of systems that do not have OSHA compliant through fall protection will not be allowed. Purlins, girts and insulation must be completely isolated from the inside conditioned air with an effective vapor retarder. Taping or stapling of vapor retarder lap joints is not acceptable. Sealing field joints with a permanent vapor retarder lap sealant is required. Field seams, if any, shall be made on a structural member and mechanically attached with a steel strap and fasteners along its full length.

All exposed parts of the liner system shall be Class A material and have flame spread of 25 or less based on ASTM E84 standards. Vapor retarder fabric shall be white or colored woven coated fabric and triple extrusion-welded seams fabricated in one piece, to fit not less than the full bay length by the width of the building. Buildings more than 100' wide may have field seams on the bottom of a purlin but no less than 50' apart. Any field seams must be sealed with vapor retarder lap sealant. Wall bay minimum fabric size shall be not less than one entire wall bay or end wall column space from the ceiling to the floor. Perimeter edges of the vapor retarder fabric shall be trimmed and sealed to the adjoining steel or fabric with vapor retarder lap sealant. All edges of liner system fabric, including field seams, shall be mechanically fastened with steel retaining straps the full perimeter. In the event that the crew is not experienced in the installation procedures, video taped or on-site installation training shall be requested by the installing contractor from Thermal Design to assure proper installation procedures.
Submittals: Include manufacturer's product brochures; component specifications, samples of the painted support strapping, and samples of the Syseal® reinforced polyethylene vapor retarder fabric, including a sample of the triple extrusion welded seam; specific detailed drawings from Thermal Design for the project showing purlin spacings, support strap locations and spacings, fastening points, liner system fabric sizes and locations; insulation widths and thicknesses, sizes and locations and detailed installation instructions for quality assurance and OSHA compliance.
Safety Compliance Clause: Detailed installation instructions are provided to assure proper installation and function for OSHA safety compliance as an alternative form of through fall protection in metal building structures.
Fall protection certificate available free of charge from Thermal Design.

PART II: PRODUCTS
Roof Liner System: Acceptable systems shall be the Simple Saver insulation system (with OSHA compliant through fall protection) manufactured by Thermal Design with an installed total roof insulation R-value of 30 and an average installed thickness of 9.5 inches. Roof system shall be a (select one): single- or multi- layer system. A thermal break shall be applied where there is no existing thermal break between metal panel and metal structure. The thermal break shall be (select one): 3/16" x 3" Quik-Stop Trash FreeTM foam tape, 3/8" Snap-R® thermal block, or 1" Snap-R® thermal block.
Wall Liner System: Acceptable systems shall be theSimple Saver insulation system manufactured by Thermal Design with an installed total insulation R-value of R-30 (MIN)and an average installed thickness of 9.5" inches MIN. Simple Saver System includes a ten year limited material warranty and shall meet the following minimum specifications: UVMAX® Steel Strap: 100 KSI minimum yield high tensile strength steel, galvanized, primed and then painted the specified color on the exposed side with a clear coat primer on the unexposed side. Minimum size shall be 0.02" x 1" x continuous length. The strap color shall be (select one):UVMAX 8 Black.
CTraverse strap pattern shall include one strap six (6) inches away from each rafter flange with the remaining space between rafters divided into equal spaces not to exceed five (5) feet. Longitudinal straps shall be nominally thirty (30) inches on-center, with two adjacent straps at the ridge line.
Fasteners: #12 x 3/4", plated self-drilling screws with sealing washers painted to match the specified color for fastening to light gauge steel (up to 12 GA purlins) or #12 x 1¼″ plated self-drilling screws with sealing washers, painted to match the specified color for heavier gauge steel (up to 3/8″ purlins/bar joist). Special fasteners for wood, concrete and other structure types are available from Thermal Design and should be used when appropriate. Always install two(2) fasteners in the end of each strap for safety and to withstand installation stress, and one (1) fastener at all other designated fastening points.
Syseal® Fabric: Shall be woven reinforced high-density polyethylene yarns coated on both sides with a continuous white or colored polyethylene film. The fabric grade for the roof shall
be (select one): Syseal BLK FP (Black). The fabric shall comply with UL/ULC 723 or ASTM E84, and be Class A compliant with a low flame spread index of 25 or less based on ASTM E84 test standards. This material shall be manufactured in large custom pieces by extrusion welding from roll goods. Pieces shall be fabricated to substantially fit the large defined building areas with minimum practical sealing to be done on job site. Fabric shall be folded to allow for rapid pull-out on the strap support system. The Syseal fabric shall be certified for fall protection by the manufacturer. Custom colors available by special order. Call 800.255.0776 for details.
Syseal liner system fabric perm rating shall (select one): not function as a vapor retarder but shall be perforated with 3/16" minimum holes space not more than four (4) inches apart in each direction.
Sealants: Shall be (select one): Simple Saver System G524 High Tack SealantTM for sealing vapor retarder laps and/or Simple Saver System G220 Pressure Sensitive SealantTM and/or Syseal Sticky Tape (double-sided bonding tape) 3/4" wide by 1/32" thick extruded vapor retarder sealant from Thermal Design.
Insulation: Shall be fiberglass blanket or batt insulation meeting ASTM C991 Type 1, ASTM E136 and ASTM E84 or other insulation form as may be recommended and submitted by the system manufacturer and approved by the architect during submittals.
Fast-RTM Insulation Hangers: Shall be Fast-RTM preformed, rigid insulation hangers for supporting insulation between wall girts or roof purlins in roof pitches over 4:12. Coiled hangers are not allowed.
Thermal Break: Thermal break shall be (select one):
3/16" thick by 3" wide white Quik-Stop Trash FreeTM, or 3/8" polystyrene Snap-R thermal block or 1" polystyrene Snap-R thermal block. The selection shall be provided as thermal break where there is no existing thermal break and/or if additional depth space is desired.

PART III: EXECUTION
Simple Saver Roof System: Cut to length and install painted steel straps in the pattern and spacings as shown on the project shop drawings. The straps are installed in tension and span immediately below the bottom plane of the purlins. Position the pre-folded vapor retarder liner system fabric on the strap platform along one eave purlin. Clamp the two bottom corners squarely at the eave and centered on the bay. Pull the other end of the pleat-folded fabric across the building width on the strap platform but belowthe purlins, pausing only at the ridge to fasten the straps and fabric into position where the plane of the roof changes. Once positioned, the remaining fasteners are installed from the bottom side at each purlin/strap intersection and the edges are sealed and trimmed along the rafters. A similar method can be used starting at the ridge purlin space and pulling the fabric to each eave.Insulation is unpacked and placed on the vapor retarder liner system. Shake insulation to the specified thickness and install parallel, between purlins. In multi-layer systems, the upper most layer of insulation is placed over and perpendicular to the purlins as the roof sheeting is applied. It is important that the insulation cavity be filled or the cavities be ventilated to minimize the probability
of condensation (ventilated and/or dehumidified roof systems are possible with the Simple Saver System). Call Thermal Design 800.255.0776 for details.
Simple Saver Wall System: Sheet the building with just the thermal break (if specified) applied to the exterior of the girts. Insulation is cut to the required lengths to fit vertically betweenthe girts and installed in the girt spaces and impaled on Fast-R insulation hangers. Fluff the insulation to the specified thickness, making sure there are no gaps or voids. Insulate the complete wall section. Apply the wall vapor retarder fabric by clamping it into position over the eave strap. Once in position, the fasteners are installed through the wall straps, eave strap and into each roof strap, permanently clamping the wall fabric between them. Seal the wall fabric and to the roof fabric and to the base angle, or base cee channel as well as the column flanges. Additional straps are installed along the base angle and each column to retain the system permanently in place. Detailed installation instructions are to be sent along with the project drawings specific for the project and included with the materials in each shipment. Pertinent information is included on the drawings for each project. Review all information and instructions prior to commencement. If any questions arise, contact the manufacturer prior to installation. On-site installation training is available for actual expense. The manufacturer's toll-free hotline is 800.255.0776.
Note: The Simple Saver System with OSHA compliant through fall protection can be applied to pre-engineered metal buildings and installation execution varies slightly. Installations and specifications for existing buildings vary. Call or write for specific details. A design manual is also available upon request. Shrink-wrap license terms are included on design manuals, installation instructions, and video training. For more information about the ten year limited material warranty, see thermaldesign.com.

SECTION 07 41 13
Metal Roof Panels
Maxima

Part 1 GENERAL
1.1 SUMMARY
A. Section Includes: Factory-formed sheet metal roofing, including flashings and trim.

B. Related Sections: Section(s) related to this section include:

1. Cold Formed Metal Framing: Division Metal Framing Section.
2. Building Insulation: Division 7 Building Insulation Section.
3. Sealants: Division 7 Joint Sealants Section.
4. 076200 Sheet Metal Flashing

1.2 REFERENCES

A. American Society for Testing and Materials (ASTM):
1. ASTM A653/A653M Standard Specification for Steel Sheets, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
2. ASTM A792/A792M Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy Coated by the Hot Dip Process.
3. ASTM B209 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
4. ASTM D2247 Standard Practice for Testing Water Resistance of Coatings in 100% Relative Humidity.
5. ASTM E1680 Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen.
6. ASTM E1646 Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference.
7. ASTM G90 Standard Practice for Performing Accelerated Outdoor Weathering of Non-Metallic Materials Using Concentrated Natural Sunlight.
8. ASTM D 2244 - Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates.
9. ASTM D 4214 - Standard Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films
10. ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials
11. ASTM E 1592 - Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference.
12. ASTM E 2140 - Standard Test Method for Water Penetration of Metal Roof Panel Systems by Static Water Pressure Head

1.3 ADMINISTRATIVE REQUIREMENTS

A. Pre-installation Meetings:

1. Schedule meeting to discuss roof project requirements, substrate conditions, manufacturer's installation instructions and manufacturer's warranty requirements before start of work onsite. Comply with Division 1 Project Management and Coordination (Project Meetings) Section.

2. Required attendees: Contractor, metal deck & roof i nstaller, and any other subcontractors who have equipment penetrating the roof or work that requires roof access or traffic.

1.4 SYSTEM DESCRIPTION

A. Performance Requirements: Provide sheet metal roofing which has been manufactured, fabricated and installed to withstand structural and thermal movement, wind loading and weather exposure to maintain manufacturer's performance criteria without defects, damage, failure or infiltration of water.

1. Air infiltration: Maximum 0.06 cfm per lineal foot (0.33 m3/hr per linear meter) of seam at static pressure of 6.24 psf (3.0 kPa) when tested per ASTM E1680.
2. Water penetration:
a. No uncontrolled water penetration through the joints at a static pressure of 6.24 psf (3.0 kPa) when tested in accordance with ASTM E1646.
3. Fire rating: Class A
4. Uplift Tests:
a. UL 580 Class 90
b. FM 4471 (2" only I-90)
c. ASTM E 1592 (1.5", 2" & 3")
5. Miami Dade: 2" x 16" only
6. Class 4 Impact Resistance: UL 2218
7. Fire Resistance: UL 263
8. Florida State Approval
9. ICC-ES: ESL 1082

B. Galvalume steel sheet conforming to ASTM A792, AZ55 coating for bare; AZ50 coating for painted; 24 gauge sheet thickness.

1.5 SUBMITTALS

A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.

B. Product Data: Submit manufacturer's product data for specified products.

C. LEED Submittal Documentation:

1. Product Test Reports for applicable sustainable sites credits: For roof panels, indicating that panels comply with solar reflectance index requirement.
2. Product Data for applicable materials and resources credits: Indicating percentages by weight of post-consumer and pre-consumer recycled content for products having recycled content. Contractor to provide a statement indicating cost for each product having recycled content.

D. Shop Drawings: Submit shop drawings showing layout, profiles and product components, including anchorage, accessories, finish colors and textures.

1. Indicate layout of roofing panels and roof panel sizes, including custom-fabricated roofing panels if indicated; indicate each item of trim and accessories.
2. Indicate in detailed drawings profile and gauge of i nterior and exterior sheets, and locations and types of fasteners; indicate locations, gauges, shapes and methods of attachment of roofing panels, trim and accessory items.
3. Include Sealant location and denote those that are factory and field applied.
4. Indicate products/materials required for construction activities and field worked conditions of this section not supplied by manufacturer of products of this section.

E. Samples: Submit selection and verification samples for finishes, colors and textures.

1. Selection Samples: For each product requiring color selection, 2 sets of manufacturer's sample chips representing full range of colors and finishes available.
2. Verification Samples: For each color and finish selected, 2 chips indicating match to selected color and finish.

F. Warranties:
1. Substrate Warranty
2. Finish Warranty
3. Weather Tightness Warranty (if applicable)

G. Test and Evaluation Reports: Showing compliance with specified performance characteristics and physical propB. Underwriters Laboratories (UL):

1. UL 263 - Fire Tests of Building Construction and Materials.2.
Warranty Term: [5][10][15][20][25] commencing on Date of Substantial Completion.
3. Total Manufacturers Liability: [$0.20 (Joint Only)] [$7.00] [$14.00][NRL (No Repair Limit)] /sq. ft.
4. Warranty must cover (choose all that apply) [pipe and curb penetrations][winds up to [75] [80] [90] [100] [105] [110] [120] mph
a. (If Penetrations are chosen) Pipes must be centered in the panel or a pipe curb must be used, Curbs must be all welded (0.0630 minimum) \ aluminum or 18ga. Stainless Steel.
b. (If Wind Rider is chosen) Manufacturer must supply engineered installation shop drawings, signed and sealed by an Engineer registered in the state in which the project is located.
C. Special Warranty: Installer's standard form in which installer agrees to repair or replace panels that fail due to poor workmanship or faulty installation within the specified warranty period.

1. Warranty Period: 20 years from date of Substantial Completion.

PART 2 PRODUCTS

2.1 Metal Roof Panels

A. Manufacturer: McElroy Metal, Inc.

1. Contact: 1500 Hamilton Rd., Bossier City, LA 71111; Telephone: (800) 950-6531; Fax: (318) 747-8099; E-mail: info@mcelroymetal.com; website: www.mcelroymetal.com.
2. Proprietary Products: McElroy Metal Preformed Sheet Metal Roofing Panels.

B. Substitutions:

1. Basis of Design Product: Subject to compliance with requirements provide McElroy Metal Maxima
2. Substitution Limitations
a. Requests for approval must be submitted in writing at least ten (10) days prior to bid date, and are accompanied by all related test reports and design calculations listed in section 1.4 and Design and Performance criteria Section 2.2.
b. Substitute manufacturers will be approved by written addendum to all bidders. Voluntary alternates will not be considered. Substitutions will not be permitted after the bid date of this project.
c. Roof panels proposed for substitution shall fully comply with specified requirements in appearance, assembly, and performance.

C. Forming: Use continuous end rolling method. No end laps are permitted on panels without architect approval. It is the intent of the Architect to provide factory-manufactured panel systems or systems manufactured on-site by factory personnel only for this project.

2.2 MANUFACTURED UNITS

A. McElroy Metal Maxima Panels:

1. Profile: Vertical leg standing seam panel with male/female seam to be mechanically interlocked at jobsite with mechanical seamer specifically designed for Maxima profile.
2. Size: [1.5" high seam by 16" width (51 x 406 mm)] [2" high seam by 16" width (51 x 406 mm)] [2" high seam by 18" width] (51 x 457 mm) [3" high seam by 24" width] (76 x 610 mm)]. Length as indicated on drawings.
3. Panel Surface: 1.5": [Flat pan] [Bead/pencil ribs] [Striated] 2": [Flat pan] [Bead/pencil ribs] [Striated]. 3": [Striated] [Minor Ribs]
4. Material: Galvalume steel sheet conforming to ASTM A792, AZ50 coating for bare; AZ50 coating for painted; [24; 22] gauge sheet thickness.
5. Panels should be factory formed for lengths below 50'.
To avoid lap conditions for panels greater than 50', panels should be produced on site but production must be completed by factory technicians.

2.3 METAL ROOF PANEL ACCESSORIES

A.General: Provide complete metal roof panel assembly incorporating trim, copings, fasciae, gutters and downspouts, and miscellaneous flashings, in **[**manufacturer's standard profiles**] [**profiles as indicated**]**. Provide required fasteners, closure strips, splice plates, support plates, and sealants as indicated in manufacturer's written instructions.
B.Flashing and Trim: Match material, thickness, and finish of metal panel face sheet.
C.Panel Clips: ASTM A 653/A 653M, G90 (Z180) hot-dip galvanized zinc coating, configured for concealment in panel joints, and identical to clips utilized in tests demonstrating compliance with performance requirements.
D.Panel Fasteners: Self-tapping screws and other acceptable corrosion-resistant fasteners recommended by roof panel manufacturer. Where exposed fasteners cannot be avoided, supply fasteners with EPDM or neoprene gaskets, with heads matching color of metal panels by means of factory-applied coating.
E.Joint Sealers: Manufacturer's standard or recommended liquid and preformed sealers and tapes, as follows:
1. Factory-Applied Seam Sealant: Manufacturer's standard hot-melt type.
2. Tape Sealers: Manufacturer's standard non-curing butyl tape, AAMA 809.2.
3. Concealed Joint Sealant: Non-curing butyl, AAMA 809.2.
F.Steel Sheet Miscellaneous Framing Components: ASTM C 645, with ASTM A 653/A 653M, G60 (Z180) hot-dip galvanized zinc coating.
G.Roof Accessories: Approved by metal roof panel manufacturer. Refer to [Section 07 72 00] "Roof Accessories" for requirements for roof accessories.
H.Snow Guards: Approved by metal roof panel manufacturer. Refer to [Section 07 72 53] "Snow Guards" for requirements for snow guards attached to metal roof panels

2.4 FABRICATION
A.General: Provide factory fabricated and finished metal panels and accessories meeting performance requirements, indicated profiles, and structural requirements.
B.Fabricate metal panel joints configured to accept factory-applied sealant providing weathertight seal and preventing metal-to-metal contact and minimizing noise resulting from thermal movement.
C.Form panels in continuous lengths for full length of detailed runs, except where otherwise indicated on approved shop drawings.
D.Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's written instructions, approved shop drawings, and project drawings. Form from materials matching metal panel substrate.

2.5 FINISHES

A. Bare Galvalume steel sheet conforming to ASTM A792, AZ55

1. Roof Related Trim/Accessories Color:
a. Selected from full range of manufacturer's standard colors.
b. Color: [WHITE color.].
c. Color: As indicated on panel schedule.

B. Bare Galvalume steel sheet conforming to ASTM A792, AZ55

C. Sheet Metal and Air Conditioning Contractors' National Association (SMACNA); "Architectural Sheet Metal Manual"

SECTION 08110 - STEEL DOORS AND FRAMES

PART 1 - GENERAL

1.01 SUMMARY

A. SECTION INCLUDES:
1. STANDARD STEEL DOORS AND FRAMES
2. ASSEMBLIES FOR FIRE-RATED OPENINGS.
3. INSULATED DOORS.

1.02 REFERENCES

A. ANSI A115 SERIES -- SPECIFICATION FOR STEEL DOOR AND FRAME PREPARATION FOR HARDWARE- 1980-91.

B. ANSI/SDI 100-1985 -- RECOMMENDED SPECIFICATIONS: STANDARD STEEL DOORS AND FRAMES- STEEL DOOR INSTITUTE- 1985.

C. ASTM A 153-82 (87) -- STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE - 1982 (REAPPROVED 1987) .

D. ASTM A 366/A 366M-85 -- STANDARD SPECIFICATION FOR STEEL, SHEET, CARBON, COLD-ROLLED, COMMERCIAL QUALITY - 1985.

E. ASTM A 525-91A -- STANDARD SPECIFICATION FOR GENERAL REQUIREMENTS FOR STEEL SHEET, ZINC-COATED (GALVANIZED) BY THE HOT-DRIP PROCESS -- 1991.

F. ASTM A 526/A 526M-90 -- STANDARD SPECIFICATION FOR STEEL SHEET, ZINC-COATED (GALVANIZED) BY THE HOT-DIP PROCESS, COMMERCIAL QUALITY 1990.

G. ASTM A 568-90A -- STANDARD SPECIFICATION FOR STEEL, SHEET, CARBON, AND HIGH-STRENGTH, LOW-ALLOY, HOT-ROLLED AND COLD-ROLLED, GENERAL REQUIREMENTS FOR - 1990.

H. ASTM A 569/A 569M-85 -- STANDARD SPECIFICATION FOR STEEL, CARBON (0.15 MAXIMUM, PERCENT), HOT-ROLLED SHEET AND STRIP COMMERCIAL QUALITY -- 1985.

PERFORMANCE OF BUILDING ASSEMBLIES BY MEANS OF A GUARDED HOT BOX- 1989.

J. ASTM E 90-90 -- STANDARD TEST METHOD FOR LABORATORY MEASUREMENT OF AIRBORNE SOUND TRANSMISSION LOSS OF BUILDING PARTITIONS - 1990.

K. ASTM E 152-81A -- STANDARD METHODS OF FIRE TESTS OF DOOR ASSEMBLIES- 1981.

L. NFPA 80 -- STANDARD FOR FIRE DOORS AND WINDOWS; NATIONAL FIRE PROTECTION ASSOCIATION - 1990.

M. SDI 105-87 -- RECOMMENDED ERECTION INSTRUCTIONS FOR STEEL FRAMES- STEEL DOOR INSTITUTE - 1987.

1.03 SUBMITTALS

A. SHOP DRAWINGS: DRAWINGS FOR FABRICATION AND INSTALLATION OF STEEL DOORS AND FRAMES, INCLUDING THE FOLLOWING INFORMATION:
1. DETAILS OF CONSTRUCTION, JOINTS, AND CONNECTIONS.
2. DETAILS OF EACH FRAME TYPE, INCLUDING ANCHORAGE.
3. ELEVATIONS OF EACH OPENING TYPE.
4. CONDITIONS AT OPENINGS, INCLUDING COORDINATION WITH GLASS AND GLAZING REQUIREMENTS.
5. LOCATION AND INSTALLATION REQUIREMENTS OF DOOR HARDWARE AND REINFORCEMENTS.
6. SCHEDULE OF OPENINGS COORDINATED WITH NUMBERING SYSTEM USED IN CONTRACT DOCUMENTS.

1.04 QUALITY ASSURANCE

A. QUALITY STANDARD: COMPLY WITH ANSI/SDI 100.

B. LABELED ASSEMBLIES: AT ALL LOCATIONS, WHERE FIRE-RATED DOOR AND FRAME ASSEMBLIES ARE REQUIRED, PROVIDE ASSEMBLIES WHICH COMPLY WITH NFPA 80 AND HAVE BEEN TESTED AND LABELED IN ACCORDANCE WITH ASTM E 152 BY AGENCY ACCEPTABLE TO GOVERNING AUTHORITIES.

1.05 DELIVERY, STORAGE, AND HANDLING

A. DELIVER PRODUCTS IN CRATES OR CARTONS SUITABLE FOR STORAGE AT THE SITE.

B. REPLACE ITEMS DAMAGES IN DELIVERY, UNLESS DAMAGE IS MINOR AND CAN BE REPAIRED TO MATCH INTACT ITEMS, AS DETERMINED BY THE OWNER OR OWNER'S REPRESENTATIVE.
1. STORE PRODUCTS UNDER COVER, RAISED ABOVE GROUND LEVEL, AND STACKED TO PREVENT WARPING AND TO PROMOTE AIR CIRCULATION.
2. PREVENT MOISTURE FROM ACCUMULATING AND REMOVE SATURATED PACKAGING BEFORE PRODUCTS CAN BE DAMAGED.

COUNTERSUNK, FLAT PHILLIPS-HEAD FASTENERS. USE SEX BOLTS FOR SURFACE ATTACHMENTS.

J. INSULATED ASSEMBLIES: AT EXTERIOR LOCATIONS, PROVIDE INSULATING DOOR AND FRAME ASSEMBLIES WHICH HAVE BEEN TESTED IN ACCORDANCE WITH ASTM C 236 FOR THERMAL RESISTANCE.
1. MAXIMUM U-VALUE: 0.10 BTU PER HOUR PER SQUARE FOOT PER DEGREE FOR REQUIRED BY LOCAL CODE.

K. HARDWARE PREPARATION: COMPLY WITH ANSI A115 SERIES SPECIFICATIONS FOR DOOR AND FRAME PREPARATION, USING FINAL HARDWARE SCHEDULE AND TEMPLATES FROM HARDWARE SUPPLIER.
1. REINFORCEMENT: REINFORCE DOORS AND FRAMES FOR FIELD-INSTALLED EXPOSED HARDWARE ITEMS.
2. LOCATIONS: COMPLY WITH FINAL SHOP DRAWINGS.

L. SHOP PAINTING:
1. PREPARATION: CLEAN SURFACES THOROUGHLY BEFORE BEGINNING PAINTING OPERATIONS, REMOVING RUST, SCALE, OIL, GREASE, AND OTHER CONTAMINANTS.
2. PRIMER: APPLY PRIMER EVENLY TO ACHIEVE FULL PROTECTION OF ALL EXPOSED SURFACES.

2.03 STEEL DOORS

A. GENERAL: FABRICATE STEEL DOORS IN ACCORDANCE WITH REQUIREMENTS OF ANSI/SDI 100.
1. TAG DOORS AND PANELS WITH OPENING NUMBER SHOWN IN SCHEDULE.
2. FABRICATE INTERIOR DOORS OF 18 GA. STEEL AND EXTERIOR DOORS OF 16 GA. STEEL.

B. INTERIOR DOORS:
1. GRADES AND MODELS: GRADE II, HEAVY-DUTY, MODEL 4 (SEAMLESS - COMPOSITE CONSTRUCTION).

C. EXTERIOR DOORS:
1. GRADE AND MODEL: GRADE III, EXTRA HEAVY-DUTY, MODEL 4 (SEAMLESS - COMPOSITE CONSTRUCTION).

D. VISION PANELS:
1. PROVIDE VISION PANELS IN THE SIZES AND SHAPES INDICATED ON THE DRAWINGS.

COLD-ROLLED OR HOT-ROLLED STEEL.

F. EXTERIOR DOORS: FABRICATE FROM HOT-DRIP GALVANIZED STEEL.

G. SEAL TOP AND BOTTOM EDGES INTEGRALLY WITH DOOR CONSTRUCTION, OR

H. EXTERIOR FRAMES: FABRICATE FROM GALVANIZED STEEL.

COUNTERSUNK, FLAT PHILLIPS-HEAD FASTENERS. USE SEX BOLTS FOR SURFACE ATTACHMENTS.

J. INSULATED ASSEMBLIES: AT EXTERIOR LOCATIONS, PROVIDE INSULATING DOOR AND FRAME ASSEMBLIES WHICH HAVE BEEN TESTED IN ACCORDANCE WITH ASTM C 236 FOR THERMAL RESISTANCE.
1. MAXIMUM U-VALUE: 0.10 BTU PER HOUR PER SQUARE FOOT PER DEGREE FOR REQUIRED BY LOCAL CODE.

K. HARDWARE PREPARATION: COMPLY WITH ANSI A115 SERIES SPECIFICATIONS FOR DOOR AND FRAME PREPARATION, USING FINAL HARDWARE SCHEDULE AND TEMPLATES FROM HARDWARE SUPPLIER.
1. REINFORCEMENT: REINFORCE DOORS AND FRAMES FOR FIELD-INSTALLED EXPOSED HARDWARE ITEMS.
2. LOCATIONS: COMPLY WITH FINAL SHOP DRAWINGS.

L. SHOP PAINTING:
1. PREPARATION: CLEAN SURFACES THOROUGHLY BEFORE BEGINNING PAINTING OPERATIONS, REMOVING RUST, SCALE, OIL, GREASE, AND OTHER CONTAMINANTS.
2. PRIMER: APPLY PRIMER EVENLY TO ACHIEVE FULL PROTECTION OF ALL EXPOSED SURFACES.

2.03 STEEL DOORS

A. GENERAL: FABRICATE STEEL DOORS IN ACCORDANCE WITH REQUIREMENTS OF ANSI/SDI 100.
1. TAG DOORS AND PANELS WITH OPENING NUMBER SHOWN IN SCHEDULE.
2. FABRICATE INTERIOR DOORS OF 18 GA. STEEL AND EXTERIOR DOORS OF 16 GA. STEEL.

B. INTERIOR DOORS:
1. GRADES AND MODELS: GRADE II, HEAVY-DUTY, MODEL 4 (SEAMLESS - COMPOSITE CONSTRUCTION).

C. EXTERIOR DOORS:
1. GRADE AND MODEL: GRADE III, EXTRA HEAVY-DUTY, MODEL 4 (SEAMLESS - COMPOSITE CONSTRUCTION).

D. VISION PANELS:
1. PROVIDE VISION PANELS IN THE SIZES AND SHAPES INDICATED ON THE DRAWINGS.

SECTION 08211 - FLUSH WOOD DOORS

PART 1 - GENERAL

1.01 SUMMARY

A. THIS SECTION INCLUDES: AWI "ARCHITECTURAL WOODWORK QUALITY STANDARDS FOR PREMIUM GRADE.

1.03 MANUFACTURERS

A. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE WOOD DOORS
BY ONE OF THE FOLLOWING OR ARCHITECT-APPROVED EQUAL:
1. MOHAWK FLUSH DOOR, INC.
2. ALGOMA HARDWOODS, INC.
3. IPIK DOOR CO., INC.
4. WEYERHAUSER COMPANY

PART 2 - MATERIALS
2.01 GENERAL WOOD PRODUCT REQUIREMENTS
A. PROVIDE DOORS WITH THE SAME EXPOSED SURFACE MATERIAL ON BOTH FACES OF EACH DOOR, UNLESS OTHERWISE INDICATED.
2.02 INTERIOR SOLID CORE DOORS FOR OPAQUE FINISH
A. COMPLY WITH THE FOLLOWING REQUIREMENTS:
1. FACES: NATURAL BIRCH, ROTARY CUT PRE-FINISHED 6 SIDES.
2. CONSTRUCTION: PC-5 OR PC-7.

2.03 FABRICATE FLUSH WOOD DOORS TO PRODUCE DOORS COMPLYING WITH FOLLOWING REQUIREMENTS:

A. IN SIZES INDICATED FOR JOB-SITE FITTING.

B. FACTORY PRE-FIT AND PRE-MACHINE DOORS TO FIT FRAME OPENING SIZES INDICATED AND COMPLYING WITH AWI PRE-FITTING TOLERANCES.

PART 3 - EXECUTION

3.02 INSTALLATION

A. INSTALL WOOD DOORS TO COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND OF REFERENCED AWI STANDARD AND AS INDICATED.

B. ALIGN AND FIT DOORS IN FRAMES WITH UNIFORM CLEARANCES AND BEVELS.
1. MACHINE DOORS FOR HARDWARE.
2. SEAL CUT SURFACES AFTER FITTING AND MACHINING.

3.03 JOB-FIT DOORS

A. ALIGN AND FIT DOORS IN FRAMES WITH UNIFORM CLEARANCES AND BEVELS AS INDICATED BELOW. DO NOT TRIM STILES AND RAILS IN EXCESS OF LIMITS SET BYMANUFACTURER OR PERMITTED WITH F IRE-RATED DOORS. MACHINE DOORS FOR HARDWARE. SEAL CUT SURFACES AFTER

1. FITTING CLEARANCES FOR NON-RATED DOORS: PROVIDE 1/8" AT
2. 1/16" PER LEAF AT MEETING STILES FOR PAIRS OF DOORS
3. 1/8" FROM BOTTOM OF DOOR TO TOP OF DECORATIVE FLOOR FINISH OR COVERING.
4. WHERE THRESHOLD IS SHOWN OR SCHEDULED, PROVIDE 1/4" CLEARANCE FROM BOTTOM OF DOOR TO TOP OF THRESHOLD.

3.04 ADJUSTING AND PROTECTION

A. RE-HANG OR REPLACE DOORS WHICH DO NOT SWING OR OPERATE FREELY.

B. RE-FINISH OR REPLACE DOORS DAMAGED DURING INSTALLATION.

C. PROTECT DOORS AS RECOMMENDED BY DOOR MANUFACTURER TO ENSURE THAT WOOD DOORS WILL BE WITHOUT DAMAGE OR DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION.

END OF SECTION 08211

DESIGNED BY ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY ZFM	
CHECKED BY NFM	TITLE SPECIFICATIONS
APPROVED BY	
OTHER APPROVALS	SIZE / CAGE CODE / DRAWING NUMBER SP-1 / REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE AS NOTED / EST. WGT / SHEET SP-1 OF

SECTION 08330 - OVERHEAD DOOR

ACCEPTABLE MANUFACTURER Rolling service doors shall be DuraCoil STANDARD as manufactured by Raynor of Dixon, Illinois.
OPERATION A. Operation Type: Rolling service doors shall be operated:
1.4. Motor: as optionally-provided by means of a Raynor PowerHoist jack-shaft type electric operator (specified separately).
Drive Orientation: for hand-chain, hand-crank or motor operated service doors, the drive shall be oriented Right-hand

CURTAIN
A. Material: The curtain shall consist of interlocking steel slats roll-formed from commercial quality hot-dipped galvanized (G-90) steel per ASTM A-653. Steel gauge thickness shall be
1. 22 Gauge: as normally-provided, doors shall be provided with 22 gauge (.030 minimum steel thickness) steel, or depending on size, some doors may require 20 gauge (.036 minimum steel thickness) steel.B.
Slat Type: The curtain slat configuration shall consist of
1. Flat Slat: as normally-provided, suitable for all door sizes.
Finish/Color: The curtain shall be finished in :
1. Gray: as normally-provided, one coat white epoxy primer and one top coat of gray polyester paint.

Endlocks: Lateral movement of the slats to be contained by means of zinc-plated malleable cast-iron endlocks fastened with two zinc- plated steel rivets.E.
Bottom Bar and Seal: Bottom bar shall be two roll-formed galvanized steel angles, minimum 1 1Џ2" x 1 1Џ2" x 1/8" (38.1 mm x 38.1 mm x 3.2 mm). Bottom astragal shall be single-contact type. Structural angle bottom bar shall receive one coat of rust-inhibitive primer.

GUIDES
A. Guide Assemblies: Guide assemblies shall consist of three structural steel angles, minimum 3" x 2" x 3/16" (76 mm x 51 mm x 4.8 mm) and fitted with removable curtain stops. Steel guides shall receive one coat of rust inhibitive primer.
B. Jamb Construction: Rolling service door shall be mounted to (select from list below): 1. Steel Jambs: as normally-provided, and supplied with self-tapping fastener.
(delete this section if not applicable).

COUNTERBALANCE SYSTEM

A. Headplates: Mounting brackets shall be made from 3/16" (4.8 mm) steel plate and attached to the wall angle of the guide assembly with 1Џ2" (12.7 mm) diameter bolts. The inside of the drive bracket shall be fitted with a sealed ball bearing. Head plates shall receive one coat of rust-inhibitive primer.
B. Barrel: The barrel shall be made from a minimum 4 1Џ2" (114.3 mm) O.D. x .120" (3.1 mm) wall structural steel pipe. Deflection of pipe under full load shall not exceed .03" (.8 mm) per foot of span.
C. Counterbalance: The curtain shall be counterbalanced by means of torsion (select from list below):1. Torsion Spring: as normally-provided, consisting of oil-tempered, helical torsion springs, grease packed and mounted on a continuous steel torsion shaft.

ENCLOSURES
A. Hood: Rolling service door may be furnished with a hood enclosure (select from list below):
1. Round Hood: as normally-provided, round hood enclosure comprised of 24 gauge steel and finish-painted to match the curtain.

SECTION 08710 - DOOR HARDWARE

PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. ALLOWANCES: PROVIDE HARDWARE UNDER HARDWARE ALLOWANCE IN DIVISION 1 SECTION "PRICE AND PAYMENT PROCEDURES."
B. SUBMITTALS: HARDWARE SCHEDULE.
C. DELIVER KEYS TO OWNER.
D. FOR FIRE-RATED OPENINGS PROVIDE HARDWARE TESTED AND LISTED BY UL OR FMG (NFPA 80). ON EXIT DEVICES PROVIDE UL OR FMG LABEL INDICATING "FIRE EXIT HARDWARE."
PART 2 - PRODUCTS
2.1 HARDWARE
A. MANUFACTURERS:

(H) HAGAR HINGE CO.	(B) BEST LOCK CORP.
(S) SIMPLEX FIREMARK	(V) VON DUPRIN
(F) FALCON LOCK CO.	(L) LCN CLOSERS
(R) ROCKWOOD MFG.	(NG) NATIONAL GUARD PRODUCTS
(RX) RIXON-FIREMARK	

B. HINGES:
1. STAINLESS-STEEL OR BRASS/BRONZE HINGES WITH STAINLESS-STEEL PINS FOR EXTERIOR.
2. NONREMOVABLE HINGE PINS FOR EXTERIOR AND PUBLIC INTERIOR EXPOSURE.
3. BALL-BEARING HINGES FOR DOORS WITH CLOSERS AND ENTRY DOORS.
4. TWO HINGES FOR 1-3/8-INCH- (35-MM-) THICK WOOD DOORS.
5. THREE HINGES FOR 1-3/4-INCH- (45-MM-) THICK DOORS 90 INCHES (2300 MM)
OR LESS IN HEIGHT; FOUR HINGES FOR DOORS MORE THAN 90 INCHES (2300 MM)
IN HEIGHT.
C. LOCKSETS AND LATCHSETS:
1. BHMA A156.2, SERIES 4000, GRADE [1] FOR BORED LOCKS AND LATCHES.
2. BHMA A156.3, GRADE 1 FOR EXIT DEVICES.
3. BHMA A156.5, GRADE [1] FOR AUXILIARY LOCKS.
4. BHMA A156.12, SERIES 5000, GRADE [1] FOR INTERCONNECTED LOCKS AND LATCHES.
5. BHMA A156.13, SERIES 1000, GRADE [1] FOR MORTISE LOCKS AND LATCHES.
6. [**LEVER HANDLES**] ON LOCKSETS AND LATCHSETS, BEST 14D.
7. PROVIDE TRIM ON EXIT DEVICES MATCHING LOCKSETS.
D. KEY LOCKS TO OWNER'S **NEW** MASTER-KEY SYSTEM.
1. CYLINDERS WITH **[FIVE]** OR **[SIX]**-PIN TUMBLERS[**AND REMOVABLE CORES**].
2. PROVIDE CONSTRUCTION KEYING.
3. PROVIDE KEY CONTROL SYSTEM, INCLUDING CABINET.
E. CLOSERS:
1. MOUNT CLOSERS ON INTERIOR SIDE (ROOM SIDE) OF DOOR OPENING. PROVIDE REGULAR-ARM, PARALLEL-ARM, OR TOP-JAMB-MOUNTED CLOSERS AS NECESSARY.
2. ADJUSTABLE DELAYED OPENING (ACCESSIBLE TOPEOPLE WITH DISABILITIES) FEATURE ON CLOSERS.
F. PROVIDE WALL STOPS OR FLOOR STOPS FOR DOORS WITHOUT CLOSERS.

SECTION 09260 - GYPSUM BOARD SYSTEMS

PART 1 - GENERAL

1.01 REFERENCES

A. ASTM A 446/A446M-89-- STANDARD SPECIFICATION FOR STEEL SHEET, ZINC-COATED (GALVANIZED) BY THE HOT-DIP METHOD; 1989.
B. ASTM A 641-89-- STANDARD SPECIFICATION FOR ZINC-COATED (GALVANIZED)CARBON STEEL WIRE - 1989.
C. ASTM A 792-89-- STANDARD SPECIFICATION FOR STEEL SHEET, ALUMINUM-ZINC ALLOY-COATED BY THE HOT-DIP METHOD - 1989.
D. ASTM C 36-90 -STANDARD SPECIFICATION FOR GYPSUM WALLBOARD 1990.
E. ASTM C 475-89 -- STANDARD SPECIF ICATION FOR JOINT COMPOUND AND JOINT TAPE FOR FINISHING GYPSUM BOARD- 1989.
F. ASTM C 630-90 -- STANDARD SPECIFICATION FOR WATER-RESISTANT GYPSUM BACKING BOARD - 1990.
G. GA-600-88 FIRE RESISTANCE DESIGN MANUAL- GYPSUM ASSOCIATION1988.
H. GYPSUM CONSTRUCTION HANDBOOK - USG CORPORATION - 1987.
1.02 SYSTEM DESCRIPTION
A. SOUND-RATED CONSTRUCTION: WHERE INDICATED, PROVIDE CONSTRUCTION BUILT IN ACCORDANCE WITH MANUFACTURER'S ASSEMBLIES WHICH HAVE BEEN LABORATORY-TESTED PER ASTM E 90 FOR DESIGNATED STC RATINGS. STC RATINGS: AS INDICATED ON DRAWINGS.

B. FIRE RESISTANCE VALUES: WHERE INDICATED, PROVIDE CONSTRUCTION BUILT IN ACCORDANCE WITH UL AND/OR FM DESIGN PARAMETERS, FOR THE HOURLY RATING NOTED.
1.03 QUALITY ASSURANCE
A. REGULATORY REQUIREMENTS: AT LOCATIONS INDICATED ON DRAWINGS, PROVIDE FIRE-RATED ASSEMBLIES TESTED IN ACCORDANCE WITH ASTM E 119 AND ACCEPTABLE TO AUTHORITIES FOR RATINGS REQUIRED.
PROVIDE ASSEMBLIES AS LISTED IN THE FOLLOWING:
1. GA-600,"FIRE RESISTANCE DESIGN MANUAL."
2. UNDERWRITERS LABORATORIES INC.'S (UL) "FIRE RESISTANCE DIRECTORY."
1.04 DELIVERY, STORAGE, AND HANDLING
A. DELIVER MATERIALS IN ORIGINAL AND UNOPENED PACKAGES, CONTAINERS, OR

BUNDLES, WITH BRAND. NAMES AND MANUFACTURER'S LABELS INTACT AND LEGIBLE. STORE MATERIALS IN DRY LOCATION, FULLY PROTECTED FROM WEATHER AND DIRECT EXPOSURE TO SUNLIGHT.

B. STACK GYPSUM BOARD PRODUCTS F LAT AND LEVEL, PROPERLY SUPPORTED TO

PREVENT SAGGING OR DAMAGE TO ENDS AND EDGES.
C. STORE CORNER BEAD AND OTHER METAL AND PLASTIC ACCESSORIES TO PREVENT BENDING, SAGGING, DISTORTION, OR OTHER MECHANICAL DAMAGE.

1.05 PROJECT CONDITIONS

A. TEMPERATURE: MAINTAIN TEMPERATURE IN AREAS OF INSTALLATION BETWEEN 50AND 70 DEGREES F FOR AT LEAST 24 HOURS BEFORE INSTALLATION BEGINS AND FOR NOT LESS THAN 48 HOURS AFTER JOINT FINISHING HAS BEEN COMPLETED.
B. VENTILATION: PROVIDE CONTROLLED VENTILATION DURING JOINT FINISHING OPERATIONS, TO ELIMINATE EXCESSIVE MOISTURE. AVOID DRAFTS DURING HOT, DRY WEATHER TO PREVENT EXCESSIVELY FAST DRYING OF JOINT COMPOUND.

PART 2 - MATERIALS

2.01 GYPSUM WALL BOARD (GWB)

A. GYPSUM WALL BOARD : ASTM C 36, 5 / 8 " THICK, TYPE X FOR FIRE RESISTANT ASSEMBLIES, AND ALL OTHER LOCATIONS.

2.02 TRIM AND ACCESSORIES

A. GENERAL: EXCEPT AS OTHERWISE SPECIF ICALLY INDICATED, PROVIDE TRIM AND ACCESSORIES BY MANUFACTURER OF GYPSUM BOARD MATERIALS, MADE OF GALVANIZED STEEL OR ZINC ALLOY AND CONF GURED FOR CONCEALMENT IN JOINT COMPOUND.
1. INCLUDE CORNER BEADS, EDGE TRIM, AND OTHER TRIM UNITS NECESSARY FOR PROJECT CONDITIONS. PROVIDE ACCESSORIES AS REQUIRED IN ORDER TO ACHIEVE DETAILS INDICATED, WHETHER OR NOT SPECIFIC ACCESSORIES ARE SHOWN ON THE DRAWINGS.

B. CONTROL JOINTS: AT MAXIMUM SPACING OF 30'-0", PROVIDE MANUFACTURER'S STANDARD ONE-PIECE CONTROL JOINTS OF EXTRUDED VINYL, ZINC ALLOY, OR OTHE NONCORROSIVE METAL.

2.04 JOINT TREATMENT
A. GENERAL: PROVIDE PRODUCTS BY MANUFACTURER OF GYPSUM BOARDS. COMPLY WITH ASTM C 475 AND WITH MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC PROJECT CONDITIONS.

B. JOINT TAPE: MANUFACTURER'S STANDARD PAPER TYPE.

C. JOINT TAPE: IF RECOMMENDED BY MANUFACTURER, PROVIDE OPEN-WEAVE FIBERGLASS TAPE FOR JOINT TREATMENT OF WATER-RESISTANT GYPSUM BACKING BOARD.
D. JOINT COMPOUND: CHEMICAL HARDENING TYPE, FOR THE FOLLOWING APPLICATIONS:
1. INTERIOR USE:
a. LAMINATING DOUBLE-LAYER SYSTEMS.
E. JOINT COMPOUND: VINYL-BASED READY-MIXED TYPE FOR INTERIOR USE, AND AS FOLLOWS:
1. ALL-PURPOSE TYPE, FOR BOTH EMBEDDING TAPE AND AS TOPPING.
2.05 MISCELLANEOUS MATERIALS
A. GENERAL: PROVIDE MISCELLANEOUS MATERIALS AS PRODUCED OR RECOMMENDED BY MANUFACTURER OF GYPSUM PRODUCTS.
B. SCREWS: ASTM C 1002- SELF-DRILLING TYPE-- LENGTHS AS RECOMMENDED BY GYPSUM BOARD MANUFACTURER FOR PROJECT CONDITIONS.

C. LAMINATING ADHESIVE: ASTM C 475, AS RECOMMENDED BY MANUFACTURER OF GYPSUM BOARD.

D. ACOUSTICAL SEALANTS: ASTM C 919- NONDRYING, NONHARDENING, NONSKINNIN TYPE FOR CONCEALED LOCATIONS- NONOXIDIZING, SKINNING TYPE FOR EXPOSED LOCATIONS.

E. SEALING: AT WATER-RESISTANT GYPSUM BACKING BOARD, PROVIDE TYPE I ORGANIC ADHESIVE PER ANSI A136.1.

C. JOINT REINFORCEMENT AS FOLLOWS:

1. REINFORCING TAPE: EXTERIOR TAPE, 2 INCHES WIDE, POLYMER-COATED, WOVEN GLASS-FIBER MESH WITH PRESSURE SENSITIVE ADHESIVE ON ONE SIDE.
2. JOINT COMPOUND: EXTERIOR BASECOAT, READY-TO-MIX PORTLAND CEMENT MORTAR CONTAINING DRY LATEX POLYMERS, GRAY.

D. SURFACE CONTROL JOINT: USG NO. 093 CONTROL JOINT, OR EQUIVILENT, ROLL-FORMED ZINC.

E. TRIM ACCESSORIES: CORNER BEADS AND 5/8 INCH TRIM ANGLES, ZINC ALLOY.

PART 3 - EXECUTION

3.01 INSTALLATION OF GYPSUM BOARD (GWB)
A. GENERAL: COMPLY WITH ASTM C 840 AND GA-216 EXCEPT WHERE EXCEEDED BY OTHER REQUIREMENTS.
1. WHEREVER POSSIBLE, INSTALL GWB OR CBB TO MINIMIZE BUTT END JOINTS.
2. APPLY CEILING BOARDS PRIOR TO INSTAL.LATION OF WALLBOARDS. ARRANGE TO MINIMIZE BUTT END JOINTS NEAR CENTER OF CEILING AREA.
3. INSTALL WALLBOARDS IN A MANNER WHICH WILL MINIMIZE BUTT END JOINTS IN CENTER OF WALL AREA. STAGGER VERTICAL JOINTS ON OPPOSITE SIDES OF WALLS.
4. BUTT ALL JOINTS LOOSELY, WITH MAXIMUM OF 1/16 INCH BETWEEN BOARDS.
5. PLACE WRAPPED EDGES ADJACENT TO ONE ANOTHER; DO NOT PLACE CUT EDGES OR BUTT ENDS ADJACENT TO WRAPPED EDGES.
6. SUPPORT ALL EDGES AND ENDS OF EACH BOARD ON FRAMING OR BY SOLID SUBSTRATE, EXCEPT THAT LONG EDGES AT RIGHT ANGLES TO FRAMING MEMBERS IN NON-FIRE-RATED CONSTRUCTION MAY BE LEFT UNSUPPORTED.
7. IN DOUBLE-LAYER CEILING WORK, APPLY BASE LAYER WITH LONG EDGES PERPENDICULAR TO FRAMING MEMBERS, WITH FACE LAYER IN OPPOSITE DIRECTION, AND WITH ALL JOINTS OFFSET.

B. CONTROL JOINTS: FORM CONTROL JOINTS BY MEANS OF 1/4-INCH SPACE BETWEEN ADJACENT GWB OR CBB, WITH EACH EDGE SUPPORTED ON SEPARATE FRAMING MEMBER, READY TO RECEIVE TRIM ACCESSORY, AND LOCATED AS SHOWN ON THE DRAWINGS AND AS FOLLOWS:
1. NOT MORE THAN 30 FEET APART ON WALLS WHICH ARE NOT INTERSECTED BY OTHER WALLS FOR 50 FEET OR MORE.
2. AT EXTERIOR SOFFITS, NOT MORE THAN 30 FEET APART IN BOTH DIRECTIONS.
C. SOUND-RATED CONSTRUCTION: SEAL PERIMETER OF CONSTRUCTION WITH ACOUSTICAL SEALANT, COMPLYING WITH ASTM C 919. CAREFULLY SEAL AROUND PENETRATIONS AND AT CONTROL JOINTS AND OTHER OPENINGS.
1. AT PARTITIONS SHOWN OR WHERE REQUIRED FOR STC RATINGS INDICATED, INSTALL CELBAR SPRAY ON INSULATION AFTER GWB OR CBB HAS BEEN INSTALLED ON ONE SIDE.
D. INSTALLATION ON WOOD OR METAL METAL FRAMING AS INDICATED:
1. SINGLE-LAYER APPLICATION: INSTALL GWB OR CBB BY MEANS OF SCREW ATTACHMENT.
a. ON WALLS AND PARTITIONS, PLAN INSTALLATION SO THAT LEADING EDGE OR END OF GWB OR CBB IS ATTACHED TO OPEN END OF STUD FLANGE FIRST.
2. FOR FIRE-RATED CONSTRUCTION, INSTALL GWB OR CBB BY MEANS OF SCREWS AS SPECIFIED FOR THE TESTED ASSEMBLY.
3. AT "WET" LOCATIONS, AND AT ALL AREAS INDICATED TO RECEIVE CERAMIC TILE FINISH, 5/8" CEMENT BOARD, COMPLYING WITH MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION, INCLUDING MINIMUM CLEARANCES AND SEALING OF PENETRATIONS AND EDGES.

3.02 INSTALLATION OF TRIM AND ACCESSORIES

A. GENERAL: COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF TRIM ITEMS. EXCEPT FOR ITEMS INTENDED BY MANUFACTURER TO BE LEFT EXPOSED OR SEMIEXPOSED, INSTALL TRIM UNITS FOR CONCEALMENT IN JOINT F INISHING COMPOUND. WHEREVER POSSIBLE, FASTEN METAL TRIM ITEMS TO SUBSTRATE WITH SAME FASTENERS USED TO INSTALL GYPSUM BOARD PRODUCTS.
1. CORNER BEAD: INSTALL METAL CORNER BEAD AT ALL EXTERNAL CORNERS UNLESS DETAILS CLEARLY INDICATE ITS OMISSION AT SPECIF IC LOCATIONS.
2. EDGE TRIM: INSTALL EDGE TRIM AT LOCATIONS INDICATED AND WHEREVER EDGE OF GYPSUM BOARD OTHERWISE WOULD BE EXPOSED.
3. CONTROL JOINTS: INSTALL ONE-PIECE CONTROL JOINTS AT REQUIRED LOCATIONS DO NOT REMOVE TAPE UNTIL FINISHING OPERATIONS ARE COMPLETE.

3.03 FINISHING

A. GENERAL: COMPLY WITH ASTM C 840 AND GA-216 EXCEPT WHERE EXCEEDED BY OTHER REQUIREMENTS.
1. DO NOT MIX JOINT COMPOUNDS EXCEPT AS SPECIF ICALLY RECOMMENDED BY MANUFACTURER.

B. FINISH GYPSUM BOARD IN ACCORDANCE WITH THE FOLLOWING LEVEL OF FINISH, EXCEPT WHERE INDICATED OTHERWISE ON THE DRAWINGS:
1. LEVEL 4: EMBED TAPE IN JOINT COMPOUND AT ALL JOINTS AND INTERIOR ANGLES PROVIDE THREE SEPARATE COATS OF COMPOUND AT ALL JOINTS, ANGLES, FASTENE HEADS, AND ACCESSORIES. PROVIDE SMOOTH SURFACES FREE OF TOOL MARKS AND RIDGES.

C. JOINT TREATMENT: TAPE AND FINISH JOINTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR COMPOUNDS USED, USING PROPER TOOLS DESIGNED FOR THE PURPOSE.
1. AVOID RAISING NAP OF FACE PAPER WHEN SANDING- CAREFULLY SPONGE DOWN ANY AREAS ROUGHENED BY SANDING PROCESS.
2. PARTICULAR CARE SHALL BE TAKEN IN ALL TAPING AND FINISHING OPERATIONS TO ENSURE INVISIBILITY OF JOINTS AND PATCHING.

D.PENETRATIONS: FILL CUTOUTS AND OPENINGS AROUND FIXTURES AND PENETRATIONS WITH JOINT COMPOUND.

3.04 CLEANING

A. PROMPTLY REMOVE ANY RESIDUAL GYPSUM DRYWALL MATERIALS FROM ADJACENT OR ADJOINING SURFACES, LEAVING SPACES READY FOR SUBSEQUENT FINISHINGOPERATIONS AND DECORATING.

END OF SECTION 09260

SECTION 09653 - RESILIENT WALL BASE AND ACCESSORIES

PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. SUBMITTALS: PRODUCT DATA AND SAMPLES.
B. EXTRA MATERIALS: DELIVER TO OWNER AT LEAST 30 LINEAR FEET , OF EACH TYPE AND COLOR OF RESILIENT WALL BASE INSTALLED.
PART 2 - PRODUCTS
2.1 WALL BASE.
A. PRODUCTS:
1. FLEXCO, A DIVISIN OF TEXTILE RUBBER CO.
B. COLOR AND PATTERN: TO BE SELECTED BY CLIENT.
C. STYLE: [COVE (WITH TOP-SET TOE)]
F. MINIMUM THICKNESS: [0.080 INCH (2.0 MM).
G. HEIGHT: [4 INCHES (101.6 MM)]
H. LENGTHS: [CUT LENGTHS 48 INCHES (1219.2 MM) LONG] [OR] [COILS IN MANUFACTURER'S STANDARD LENGTHS].
I. OUTSIDE CORNERS: [PREMOLDED].
J. INSIDE CORNERS: [PREMOLDED].
2.2 INSTALLATION ACCESSORIES
A. TROWELABLE LEVELING AND PATCHING COMPOUNDS:
LATEX-MODIFIED, PORTLAND CEMENT- OR BLENDED HYDRAULIC CEMENT-BASED FORMULATION PROVIDED OR APPROVED BY FLOORING MANUFACTURER FOR APPLICATIONS INDICATED.
B. ADHESIVES: WATER-RESISTANT TYPE RECOMMENDED BY MANUFACTURER TO SUIT PRODUCTS AND SUBSTRATE CONDITIONS.

C. STAIR-TREAD-NOSE FILLER: TWO-PART EPOXY COMPOUND RECOMMENDED BY RESILIENT TREAD MANUFACTURER TO FILL NOSING SUBSTRATES THAT DO NOT CONFORM TO TREAD CONTOURS.
PART 3 - EXECUTION
3.1 INSTALLATION
A. PREPARE CONCRETE SUBSTRATES ACCORDING TO ASTM F 710. VERIFY THAT SUBSTRATES ARE DRY AND FREE OF CURING COMPOUNDS, SEALERS, AND HARDENERS.
B. ADHESIVELY INSTALL RESILIENT WALL BASE AND ACCESSORIES.
C. INSTALL WALL BASE IN MAXIMUM LENGTHS POSSIBLE. APPLY TO WALLS, COLUMNS, PILASTERS, CASEWORK, AND OTHER PERMANENT FIXTURES IN ROOMS OR AREAS WHERE BASE IS REQUIRED.
D. INSTALL STAIR-TREAD-NOSE FILLER TO NOSING SUBSTRATES THAT DO NOT CONFORM TO TREAD CONTOURS.
E. INSTALL REDUCER STRIPS AT EDGES OF FLOOR COVERINGS THAT WOULD OTHERWISE BE EXPOSED.
END OF SECTION 09653

SECTION 09900 - PAINTING

PART 1 - GENERAL
1.01 SUMMARY:
A. SECTION INCLUDES:
1. PAINTING AND FINISHING OF EXPOSED INTERIOR ITEMS AND SURFACES.
2. SECTION DOES NOT INCLUDE:
3. PRE-FINISHED ITEMS.
4. CONCEALED SURFACES, UNLESS SPECIFICALLY INDICATED.
5. OPERATING PARTS.
1.02 DEFINITIONS:
A. DFM (DRY FILM MILS): THICKNESS, MEASURED IN MILS, OF A COAT OF PAINT IN THE CURED STATE.

A. PRODUCT DATA: SUBMIT COMPLETE COLOR BOOK AND/OR STAIN SAMPLES ON
1.03 SUBMITTALS:
SPECIFIED WOOD.

B. CERTIFICATION THAT EACH PRODUCT MEETS OR EXCEEDS VOC AND OTHER ENVIRONMENTAL STANDARDS PER FEDERAL, AND LOCAL LAW, AND THE LAWS OF THE STATE IN WHICH THE PROJECT IS BEING BUILT.

C. EQUIVALENCY CHART: CONTRACTORS PROPOSING TO USE A MANUFACTURER NOT LISTED HEREIN SHALL SUBMIT A TABULAR SUMMARY OF EACH PRODUCT BEING PROPOSED COMPARED TO COMPARABLE PRODUCTS AS MANUFACTURED BY BENJAMIN MOORE.

1.04 SINGLE SOURCE RESPONSIBILITY:

A. ALL MATERIALS REQUIRED BY THIS SECTION SHALL BE PROVIDED BY A SINGLE MANUFACTURER, UNLESS OTHERWISE REQUIRED OR APPROVED.

B. APPLICATOR: FIRM WITH NOT LESS THAN 3 YEARS OF SUCCESSFUL EXPERIENCE IN PAINTING WORK SIMILAR IN SCOPE TO WORK OF THIS PROJECT.

1.05 MAINTAIN THROUGHOUT DURATION OF THE WORK A CREW OF PAINTERS WHO ARE FULLY QUALIFIED TO SATISFY REQUIREMENTS OF THE SPECIFICATIONS.

1.06 DELIVERY, STORAGE, AND HANDLING:
A. REGARDLESS OF THE MANUFACTURER BEING USED, ALL PAINT MATERIALS SHALL BE PURCHASED IN THE STATE WHERE THE PROJECT IS BEING BUILT.

B. DELIVERY: DELIVERY MATERIALS TO PROJECT SITE IN ORIGINAL, NEW UNOPENED PACKAGES AND CONTAINER BEARING THE MANUFACTURER'S NAME AND LABEL AND THE FOLLOWING INFORMATION.

1. NAME OF TITLE OF MATERIAL
2. MANUFACTURER'S STOCK NUMBER AND DATE OF MANUFACTURE.
3. MANUFACTURER'S NAME.
4. CONTENTS BY VOLUME FOR MAJOR PIGMENT AND VEHICLE CONSTITUENTS.

5. THINNING INSTRUCTIONS.

6. APPLICATION INSTRUCTIONS.

7. COLOR NAME AND NUMBER.

C. STORE MATERIALS IN TIGHTLY COVERED CONTAINERS.

1.08 COORDINATION:

A. GENERAL: PERFORM WORK IN PROPER SEQUENCE WITH WORK OF OTHER TRADES TO AVOID DAMAGE TO FINISHED WORK.

B. PRIMERS: PROVIDE FINISH COATS WHICH ARE COMPATIBLE WITH PRIME COATS USED. REVIEW OTHER SECTIONS OF THESE SPECIFICATIONS IN WHICH PRIME COATS ARE TO BE PROVIDED, TO ENSURE COMPATIBILITY OF TOTAL COATINGS SYSTEM FOR VARIOUS SUBSTRATES.

C. UPON REQUEST, FURNISH INFORMATION TO OTHER TRADES ON CHARACTERISTICS OF FINISH MATERIALS PROPOSED FOR USE. PROVIDE BARRIER COATS OVER INCOMPATIBLE PRIMERS, OR REMOVE AND RE-PRIME AS REQUIRED. NOTIFY THE ARCHITECT IN WRITING OF ANY ANTICIPATED PROBLEMS USING SPECIFIED COATING SYSTEMS WITH SUBSTRATES PRIMED BY OTHERS.

PART 2 - MATERIALS

2.01 ACCEPTABLE MANUFACTURERS:
1. EXCEPT AS OTHERWISE SPECIFIED, MATERIALS SHALL BE THE PRODUCTS OF THE FOLLOWING MANUFACTURERS:

A. GLIDDEN

B. SHERWIN WILLIAMS, CO. (SPECIFIED)

C. BENJAMIN MOORE

2.02 MATERIALS SELECTED FOR COATING SYSTEMS FOR EACH TYPE SURFACE SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER.

2.03 MIXING AND TINTING:

A. DELIVER PAINTS AND ENAMELS READY-MIXED TO JOB SITE.

B. FUNGICIDAL AGENT SHALL BE INCORPORATED INTO PAINT BY MANUFACTURER.

PART 3 - EXECUTION

3.01 INSPECTION:

A. VERIFY THAT SURFACES AND CONDITIONS ARE READY FOR WORK AS INSTRUCTED BY THE PROJECT MANUFACTURER.

B. EXAMINE SURFACES SCHEDULED TO BE FINISHED, PRIOR TO COMMENCEMENT OF WORK.

C. REPORT ANY UNSATISFACTORY CONDITIONS IN WRITING TO THE CONTRACTOR.

D. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN A MANNER ACCEPTABLE TO THE APPLICATOR. STARTING OF PAINTING WORK IN ANY PARTICULAR AREA WILL BE CONSTRUED AS ACCEPTANCE OF SURFACES AND CONDITIONS WITHIN THAT AREA.

3.02 DO NOT PAINT OVER ANY CODE-REQUIRED LABELS, EQUIPMENT PLATES.
IDENTIFICATION, OF PERFORMANCE RATING, NAME, OR NOMENCLATURE

3.03 SURFACE PREPARATION:

A. GENERAL: PREPARE AND CLEAN EACH SUBSTRATE CONDITION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND AS HEREIN SPECIFIED.

B. PROVIDE BARRIER COATS OR REMOVE AND RE-PRIME INCOMPATIBLE PRIMERS AS REQUIRED.

C. REMOVE ELECTRICAL PLATES, HARDWARE, LIGHT FIXTURE TRIM, AND FITTINGS PRIOR TO PREPARING OR FINISHING SURFACES.

D. REINSTALL REMOVED ITEMS FOLLOWING THE COMPLETION OF PAINTING OF EACH SPACE OR AREA.

E. CLEAN SURFACES BEFORE APPLYING SURFACE TREATMENT.

F. REMOVE OIL AND GREASE PRIOR TO MECHANICAL CLEANING.

G. COORDINATE CLEANING AND PAINTING TO ENSURE THAT NO CLEANING CONTAMINANTS WILL FALL ONTO NEWLY COATED AREAS.

3.04 CEMENTITIOUS MATERIALS:

A. PREPARE CEMENTITIOUS SURFACES TO BE COATED BY REMOVING EFFLORESCENCE, CHALK, DUCT, DIRT, GREASE, AND OILS, AND BY ROUGHENING AS REQUIRED TO REMOVE GLAZE.

B. DETERMINE ALKALINITY AND MOISTURE CONTENT OF SURFACES TO BE COATED BY PERFORMING APPROPRIATE TESTS.

C. DO NOT APPLY COATINGS OVER SURFACES WHERE TEST RESULTS EXCEED PERMITTED IN MANUFACTURER'S PRINTED DIRECTIONS.

D. AFTER AGING AS RECOMMENDED BY COATING MANUFACTURER, PREPARE CONCRETE FLOOR SURFACES TO BE COATED WITH AN ACID ETCHING CLEANER

E. FLUSH FLOOR WITH CLEAN WATER.

F. ALLOW TO DRY BEFORE APPLYING COATINGS.

3.05 WOOD:

A. CLEAN WOOD SURFACES TO BE COATED WITH SCRAPERS, MINERAL SPIRITS, AND SANDPAPER, AS REQUIRED.

B. SAND SMOOTH THOSE FINISHED SURFACES EXPOSED TO VIEW, AND DUST OFF.

C. SCRAPE AND CLEAN SMALL, DRY, SEASONED KNOTS AND APPLY A THIN COAT OF WHITE SHELLAC OR OTHER RECOMMENDED KNOT SEALER BEFORE APPLICATION OF PRIMING COAT.

D. AFTER PRIMING, FILL HOLES AND IMPERFECTIONS IN FINISH SURFACES WITH PUTTY, PLASTIC WOOD-FILLER, OR EXTERIOR CAULKING COMPOUND AS APPLICABLE.

E. SAND SMOOTH WHEN DRIED.

3.06 FERROUS METALS:

A. CLEAN FERROUS SURFACES WHICH ARE NOT GALVANIZED OR SHOP-COATED, REMOVING OIL, GREASE, DIRT, LOOSE MILL SCALE, OR OTHER FOREIGN SUBSTANCES BY MEANS OF SOLVENTS, WIRE BRUSHING, HAND-OR POWER-TOOL CLEANING, OR SANDBLASTING TO ACHIEVE DEGREE OF PREPARATION RECOMMENDED BY COATING MANUFACTURER, EXCEPT WHERE SPECIFIC AND MORE STRINGENT REQUIREMENTS ARE CONTAINED IN THE CONTRACT DOCUMENTS.

3.07 GYPSUM BOARD:

A. LATEX-FILL MINOR DEFECTS.

B. SPOT-PRIME DEFECTS AFTER REPAIR.

C. MILDEW: REMOVE MILDEW BY SCRUBBING WITH SOLUTION OF TRISODIUM PHOSPHATE AND BLEACH. RINSE WITH CLEAN WATER AND ALLOW SURFACE TO DRY.

3.08 MATERIALS PREPARATION:

A. MIX AND PREPARE COATINGS MATERIALS IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.

B. STIR MATERIALS BEFORE APPLICATION, TO PRODUCE A MIXTURE OF UNIFORM DENSITY; STIR AS REQUIRED DURING APPLICATION.

C. DO NOT STIR FILM INTO MATERIAL.

D. REMOVE FILM, AND IF NECESSARY STRAIN MATERIAL BEFORE USING.

E. MAINTAIN CONTAINERS USED IN MIXING AND APPLICATION OF COATING IN A CLEAN CONDITION, FREE OF FOREIGN MATERIALS AND RESIDUE.

3.09 APPLICATION

A. GENERAL:

1. APPLY COATING IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.

2. USE APPLICATORS AND TECHNIQUES BEST SUITED FOR SUBSTRATE AND TYPE OF MATERIAL BEING APPLIED.

3. SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE.

4. WHERE ITEMS OR SURFACES ARE NOT SPECIFICALLY MENTIONED, COAT THE SAME AS SIMILAR ADJACENT MATERIALS OR AREAS.

5. IF COLOR OR FINISH IS NOT DESIGNATED, THE OWNER OR OWNER'S REPRESENTATIVE WILL SELECT THESE FROM STANDARD COLORS OR FINISH AVAILABLE.

6. APPLY ADDITIONAL COATS UNTIL DRY FILM IS OF UNIFORM FINISH, COLOR, AND APPEARANCE.

7. ENSURE THAT ALL SURFACES RECEIVE A DRY FILM THICKNESS EQUIVALENT TO THOSE OF FLAT SURFACES.

8. COAT SURFACES BEHIND MOVABLE EQUIPMENT AND FURNITURE THE SAME AS SIMILAR EXPOSED SURFACES.

9. COAT SURFACES BEHIND PERMANENTLY FIXED EQUIPMENT OR FURNITURE WITH PRIME COAT ONLY, BEFORE FINAL INSTALLATION OF EQUIPMENT.

10. PAINT INTERIOR SURFACES OF DUCTS WHERE VISIBLE THROUGH REGISTERS OR GRILLES WITH A FLAT NON-SPECULAR BLACK PAINT.

11. COAT BACK SIDES OF ACCESS PANELS AND REMOVABLE OR HINGED COVERS TO MATCH EXPOSED SURFACES.

12. FINISH EXTERIOR DOORS ON TOP, BOTTOMS, AND SIDE EDGES THE SAME AS EXTERIOR FACES UNLESS OTHERWISE INDICATED.

13. SAND LIGHTLY BEFORE EACH SUCCEEDING ENAMEL OR VARNISH COAT.

3.10 SCHEDULING:

A. APPLY FIRST COAT MATERIAL TO PREPARED SURFACES AS SOON AS PRACTICABLE AND BEFORE SURFACE DETERIORATION.

B. APPLY SUCCESSIVE COATS WITHIN THE TIME LIMITS RECOMMENDED BY THE MANUFACTURER.

3.11 PRIME COATS:
A. GENERAL:

1. APPLY PRIME COAT ON MATERIAL WHICH IS REQUIRED TO BE PAINTED OR FINISHED, AND WHICH HAS NOT BEEN PRIME COATED BY OTHERS.

2. OMIT BOTTOM COAT (PRIMER) ON METAL SURFACES WHICH HAVE BEEN SHOP-PRIMED, UNLESS OTHERWISE INDICATED.

3. TOUCH UP SHOP-APPLIED PRIME COATS WHEREVER DAMAGED OR BARE. CLEAN AND TOUCH UP WITH SAME TYPE SHOP PRIMER.

4. PRIMERS FOR WOOD AND WOOD PRODUCTS:

5. PRIME, STAIN OR SEAL WOOD REQUIRED TO BE FIELD COATED IMMEDIATELY UPON DELIVERY TO PROJECT SITE.

6. PRIME ALL SURFACES OF INTERIOR WOOD, INCLUDING EDGES, ENDS, FACES, UNDERSIDES, AND BACK SIDES.

3.12 FINISH COATS:

A. GENERAL

1. APPLY NOT LESS THAN THE NUMBER OF COATS INDICATED.

2. APPLY MATERIALS AT RATE TO ESTABLISH A TOTAL DRY FILM THICKNESS AS INDICATED OR, IF NOT INDICATED, AS RECOMMENDED BY COATING MANUFACTURER.

3. APPLY ADDITIONAL COATS AT NO ADDITIONAL COST TO THE OWNER WHEN NECESSARY TO ACHIEVE COMPLETE HIDING, UNIFORM TEXTURE, OR UNIFORM SHEEN AND APPEARANCE.

4. APPLY BLOCK FILLERS USING MANUFACTURER'S RECOMMENDED APPLICATION TECHNIQUES AND ACHIEVING A PIN-HOLE FREE SURFACE.

3.13 COMPLETED WORK:

A. MATCH APPROVED SAMPLES FOR COLOR, TEXTURE, AND COVERAGE.

B. REMOVE, REFINISH, OR REPAINT WORK AS DIRECTED BY THE OWNER WHEN WORK IS NOT IN COMPLIANCE WITH SPECIFIED REQUIREMENTS.

3.14 CLEANING AND PROTECTION:
A. CLEANING:

1. DURING PROGRESS OF WORK, REMOVE FROM SITE DISCARDED MATERIALS, RUBBISH, CANS, AND RAGS AT END OF EACH WORK DAY.

2. UPON COMPLETION OF PAINTING WORK, CLEAN WINDOW GLASS AND OTHER PAINT-SPATTERED SURFACES.

B. PROTECTION

1. PROTECT WORK OF OTHER TRADES AGAINST DAMAGE BY PAINTING AND FINISHING WORK.

2. CORRECT ANY DAMAGE TO THE OWNER'S SATISFACTION.

3. PROVIDE "WET PAINT" SIGNS AS REQUIRED TO PROTECT NEWLY COATED FINISHES.

4. REMOVE TEMPORARY PROTECTIVE WRAPPINGS PROVIDED BY OTHERS FOR PROTECTION OF THEIR WORK, AFTER COMPLETION OF PAINTING OPERATIONS.

5. AT COMPLETION OF WORK OF OTHER TRADES, TOUCH UP AND RESTORE ALL DAMAGED OR DEFACED COATED SURFACES.

3.15 STANDARD OF COMPARISON:

A. PRODUCTS SPECIFIED, UNLESS OTHERWISE INDICATED, ARE AS MANUFACTURED BY SHERWIN WILLIAMS, CO. (S-W). SIMILAR PRODUCTS OF ACCEPTABLE MANUFACTURERS LISTED MAY BE FURNISHED IN PLACE OF THOSE LISTED.

3.16 EXTERIOR PAINTING SCHEDULE:

A. METAL: GALVANIZED (GLOSS)
1. PRIMER: GALVITE HS-B5OWZ30

B. METAL: FACTORY PRIMED (GLOSS)

3.17 INTERIOR PAINT SCHEDULE
A. GYPSUM WALL BOARD & WOOD (FLAT)

1. PRIMER: PREP-RITE 200 INTERIOR LATEX WALL PRIMER
2. SECOND AND THIRD COATS: PROMAR 200 INTERIOR LATEX

B. GYPSUM WALL BOARD & WOOD (SEMI-GLOSS)
1. PRIMER: PREP-RITE 200 INTERIOR LATEX WALL PRIMER
2. SECOND AND THIRD COATS: PROMAR 200 INTERIOR LATEX SEMI-GLOSS ENAMEL

C. METAL: FACTORY PRIMED (EGG-SHELL)
1. SECOND AND THIRD COATS: PROMAR 200 INTERIOR LATEX

D. METAL: FACTORY PRIMED (SEMI-GLOSS)
1. SECOND & THIRD COATS: POMAR 200 INTERIOR LATEX SEMI-GLOSS ENAMEL

END OF SECTION 9900

SECTION 10800 - TOILET & BATH ACCESSORIES

PART 1 - GENERAL

1.01 SUBMITTALS

A. MANUFACTURER'S PRODUCT DATA FOR EACH TOILET AND ACCESSORY ITEM SPECIFIED, INCLUDING DETAILS OF CONSTRUCTION RELATIVE TO MATERIALS DIMENSIONS, GAGES, PROFILES, METHOD OF MOUNTING, SPECIFIED OPTIONS AND FINISHES.

1.02 PRODUCTS

A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE TOILET ACCESSORIES BY OR ONE OF THE FOLLOWING:

1. AMERICAN SPECIALTIES, INC. (SPECIFIED).

2. BOBRICK WASHROOM EQUIPMENT, INC.

3. BRADLEY CORPORATION.

PART 2 - MATERIALS

2.01 GENERAL:

A. FABRICATE TOILET ACCESSORY ITEMS FROM THE FOLLOWING MATERIALS AND IN ACCORDANCE WITH REQUIREMENTS SPECIFIED FOR INDIVIDUAL ACCESSORY ITEMS:
1. STAINLESS STEEL: AISI TYPE 302/304, WITH POLISHED NO. 4 FINISH, 22-GAGE(.034-INCH) MINIMUM THICKNESS, UNLESS OTHERWISE INDICATED.
2. GALVANIZED STEEL MOUNTING DEVICES: ASTM A 153, HOT-DIP GALVANIZED AFTER FABRICATION.
3. FASTENERS: SCREWS, BOLTS AND OTHER DEVICES OF SAME MATERIALS AS ACCESSORY UNIT OR OF GALVANIZED STEEL WHERE CONCEALED.
4. KEYS: PROVIDE UNIVERSAL KEYS FOR ACCESS TO TOILET ACCESSORY UNITS REQUIRING INTERNAL ACCESS FOR SERVICING, RE-SUPPLY, ETC. PROVIDE MINIMUM OF SIX (6) KEYS TO OWNER'S REPRESENTATIVE AND OBTAIN RECEIPT.

2.02 PRODUCTS:

1. TOILET PAPER DISPENSER (DOUBLE): ASI 0264-1A.

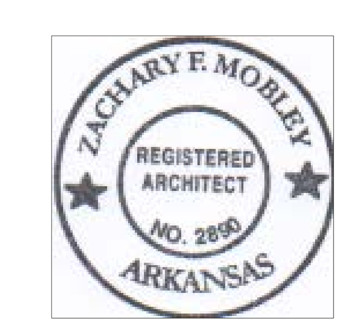
2. PAPER TOWEL DISPENSER: ASI 0210

3. SOAP DISPENSER: ASI 0342

5. GRAB BAR: 36" & 42" ASI 3954 - TYPE 01.

PART 3 - EXECUTION
3.01 INSTALLATION:

A. INSTALL TOILET AND BATH ACCESSORY UNITS IN ACCORDANCE WITH MANUFACTURERS' PRINTED INSTALLATION INSTRUCTIONS, USING FASTENERS APPROPRIATE TO SUBSTRATE AS RECOMMENDED BY MANUFACTURER OF UNIT.



DESIGNED BY ZFM	FIRST BAPTIST CHURCH BATESVILLE, ARKANSAS
DRAWN BY ZFM	
CHECKED BY NFM	TITLE SPECIFICATIONS
APPROVED BY	
OTHER APPROVALS	SIZE / CAGE CODE / DRAWING NUMBER SP-2 / REV
CAD FILE NAME FBC FINAL WORKING DWGS..vwx	SCALE AS NOTED / EST. WGT / SHEET SP-2 OF