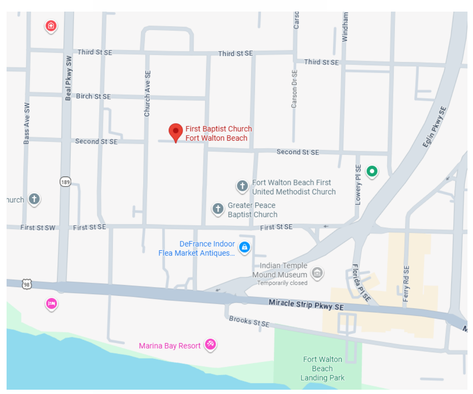
First Baptist Church of Fort Walton Beach



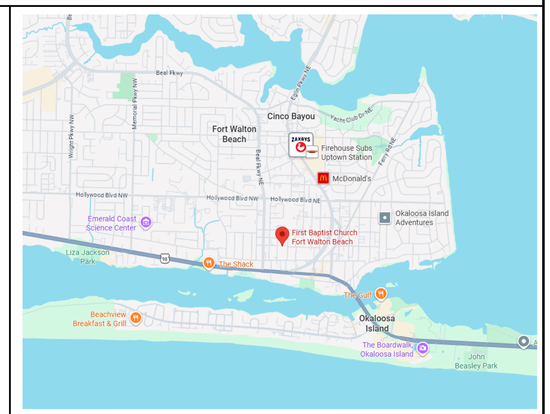
AREA PLAN

NOT TO SCALE

FLORIDA PRODUCT APPROVAL SCHEDULE

COMPONENTS	MANUFACTURER	DESCRIPTION	APPROVAL CODE
STOREFRONT SYSTEM	CORAL INDUSTRIES	STOREFRONT SYSTEM FL500	FL# 20890.2
ENTRY DOORS	CORAL INDUSTRIES	STOREFRONT ENTRANCE MS381	FL# 35065.1
COPING CAP	METAL ERA	PERMA TITE COPING	FL# 40271.1
DOOR	CURRIES	METAL DOOR	FL# 11537.1
ROOF MEMBRANE	CARLISLE	TPO ROOF MEMBRANE	FL# 14083.1
WALL PANEL	BERRIDGE	FW12 WALL, SOFFIT PANEL	FL# 14082.1
STRUCTURAL COMPONENTS	SEE STRUCTURAL	-	-

SUBSTITUTION NOTE: ALL PRODUCT LISTED ARE A BASIS OF DESIGN, ALTERNATE PRODUCTS MAY BE SELECTED AS APPROVED FOR USE IN THE STATE OF FLORIDA. VISIT https://floridabuilding.org/pr/pr_app_srch.aspx



VICINITY PLAN

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STRUCTURAL ENGINEER
AMI CONSULTING LLC
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DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
COVER

SHEET NUMBER:
G001

PRINT DATE: 9/15/2026 4:56:15 PM

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DO NOT SCALE DRAWINGS

CONSTRUCTION DOCUMENTS

GENERAL SPECIFICATIONS

1. CONTRACTOR SHALL INSTALL ALL PRODUCT PER MANUFACTURER'S INSTRUCTION
2. DEVIATIONS FROM MANUFACTURER'S INSTRUCTION OR ALTERNATE METHOD OF INSTALLATION SHALL BE FIRST VERIFIED IN WRITING FROM MANUFACTURER'S REPRESENTATIVE OR DIRECTLY FROM MANUFACTURER
3. PROVIDE OWNER WITH ALL MANUFACTURER'S WARRANTY INFORMATION AT COMPLETION OF WORK
4. PROGRESS PAYMENT SHALL BE SUBMITTED TO THE OWNER DURING CONSTRUCTION TO ALLOW OWNER TO VERIFY THE WORK HAS BEEN COMPLETED
5. STORAGE OF PRODUCTS OUTSIDE OF THE PREMISES MUST HAVE PROOF OF VENDOR OR STORAGE ENTITY WITH INSURANCE PRESENTED TO OWNER AS PROOF PRIOR TO RECEIVING PAYMENT
6. THE OWNER SHALL HOLD THE RIGHT TO VERIFY ALL WORK PRIOR ISSUANCE OF PAYMENT
7. GENERAL CONTRACTOR SHALL SUBMIT PRODUCT INFORMATION TO OWNER/ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION
8. GENERAL CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST FOR CLARIFICATION FROM OWNER/ARCHITECT
9. CONTRACTOR SHALL FOLLOW INDUSTRY STANDARDS WHEN PERFORMING WORK UNDER THIS CONTRACT
10. ALL MANUFACTURER'S TOLERANCE SHALL BE FOLLOWED TO ENSURE MANUFACTURER WARRANTY
11. CONTRACTOR SHALL FOLLOW ALL APPLICABLE CODES AND REGULATIONS
12. PERMITS SHALL BE RESPONSIBILITY OF THE CONTRACTOR UNLESS APPROVED BY THE OWNER
13. CONTRACTOR SHALL COORDINATE WITH ALL TRADES DURING DEMOLITION AND CONSTRUCTION
14. ALL ELECTRICAL AND PLUMBING WORK SHALL BE DONE BY A LICENSED ELECTRICIAN AND PLUMBER IN THE STATE OF FLORIDA
15. ALL MECHANICAL WORK SHALL BE DONE BY A LICENSED MECHANICAL CONTRACTOR IN THE STATE OF FLORIDA

GENERAL NOTES

1. CONTRACTOR SHALL NOT SCALE DRAWINGS; REFERENCE DIMENSIONS ON DRAWINGS AND FIELD VERIFY ALL MEASUREMENTS. ANY DIMENSIONS IN QUESTION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.
2. UNLESS NOTED OTHERWISE, DIMENSIONS ARE TO FACE OF STUD, COLUMN CENTERLINE, OR FACE OF EXISTING FINISH.
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING BUILT CONDITIONS AND COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL INFORM THE ARCHITECT OF ALL DISCREPANCIES OR CONFLICTING INFORMATION BETWEEN EXISTING CONDITIONS, CONSTRUCTION DRAWINGS, AND SPECIFICATIONS BEFORE COMMITTING TO WORK OUTLINED.

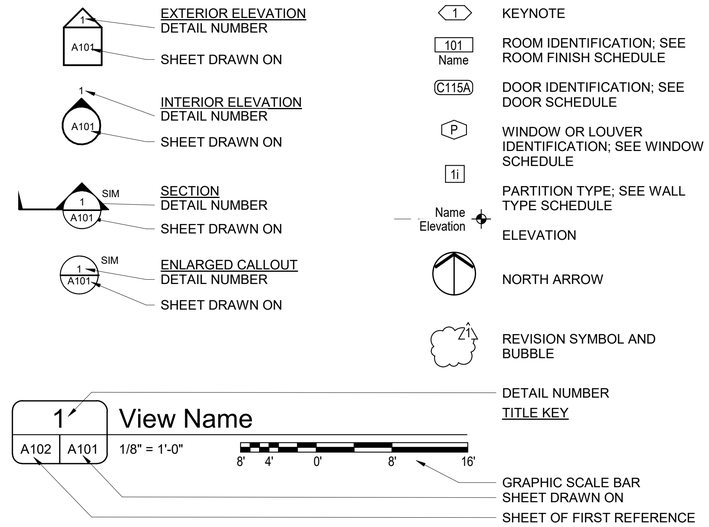
BID ALTERNATES

BASE BID:
SCOPE OF WORK AS SHOWN ON DRAWING UNLESS NOTED OTHERWISE

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ACOUS	ACOUSTICAL
ADJ	ADJUSTABLE
AL	ALUMINUM
AB	ANCHOR BOLT
APPROX	APPROXIMATELY
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BM	BEAM
BOD	BOTTOM OF DECK
CB	CATCH BASIN
CDS	CONCEALED DOWNSPOUT
CG	CORNER GUARD
CJ	CONTROL JOINT
CMU	CONCRETE MASONRY UNIT
CEM	CEMENT
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
DBL	DOUBLE
DTL	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DS	DOWNSPOUT
DWGS	DRAWINGS
EA	EACH
EF	EXHAUST FAN
EL	ELEVATION
ELECT	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FND	FOUNDATION
FFE	FINISH FLOOR ELEVATION
FIN	FINISH
FLR	FLOOR
FLUOR	FLUORESCENT
FT	FOOT
FTG	FOOTING
FP	FILLER PANEL
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GYP	GYPSUM
GYP BD	GYPSUM BOARD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
LAM	LAMINATE
LAV	LAVATORY
LT WT	LIGHT WEIGHT
MO	MASONRY OPENING
MANUF	MANUFACTURER
MAX	MAXIMUM
MECH	MECHANICAL
MTL	METAL
MIN	MINIMUM
OC	ON CENTER
OH	OPPOSITE HAND
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OPNG	OPENING
OVH	OVERHANG
PT	PLATE
PLYWD	PLYWOOD
R	RADIUS
RO	ROUGH OPENING
REINF	REINFORCED
REQD	REQUIRED
RET	RETAINING
RM	ROOM
SC	SCUPPER
SCHED	SCHEDULE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SQ FT	SQUARE FOOT
ST	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPENDED
T&G	TONGUE AND GROOVE
TO	TOP OF
TOD	TOP OF DECK
TOG	TOP OF GRADE
TOS	TOP OF SLAB
TOW	TOP OF WALL
TEL	TELEPHONE
TYP	TYPICAL
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
WWF	WELDED WIRE FABRIC
WD	WOOD
XPT	EPOXY PAINT

SYMBOLS LEGEND



SCOPE OF WORK

SCOPE OF WORK INCLUDES ENCLOSING THE BREEZEWAY AS AN ADDITION TO THE EXISTING BUILDING WITH NEW BATHROOMS, STORAGE, AN ELEVATOR, AND TWO STAIRWAYS. THE ENCLOSURE INCLUDES NEW ELECTRICAL, MECHANICAL AND A STOREFRONT SYSTEM. THE EXISTING BUILDING INCLUDES MODIFYING CERTAIN WALLS, DOORS, AND REMODELING THE KITCHENETTE.

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A402	ENLARGED PLANS
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A404	ENLARGED PLANS

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A408	ENLARGED PLANS AND SECTION OF ELEVATOR
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A411	ENLARGED BLDG 'E' ELEVATOR
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ED103	ELECTRICAL DEMOLITION PLAN - BLDG E

INDEX OF DRAWINGS

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EL101	ELECTRICAL LIGHTING PLAN - 1ST FLOOR
EL102	ELECTRICAL LIGHTING PLAN - 2ND FLOOR
EL103	ELECTRICAL LIGHTING PLAN - FELLOWSHIP HALL
EP101	ELECTRICAL POWER PLAN - OFFICE BLDG 1ST FLR
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E500	ELECTRICAL DETAILS

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FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
G002

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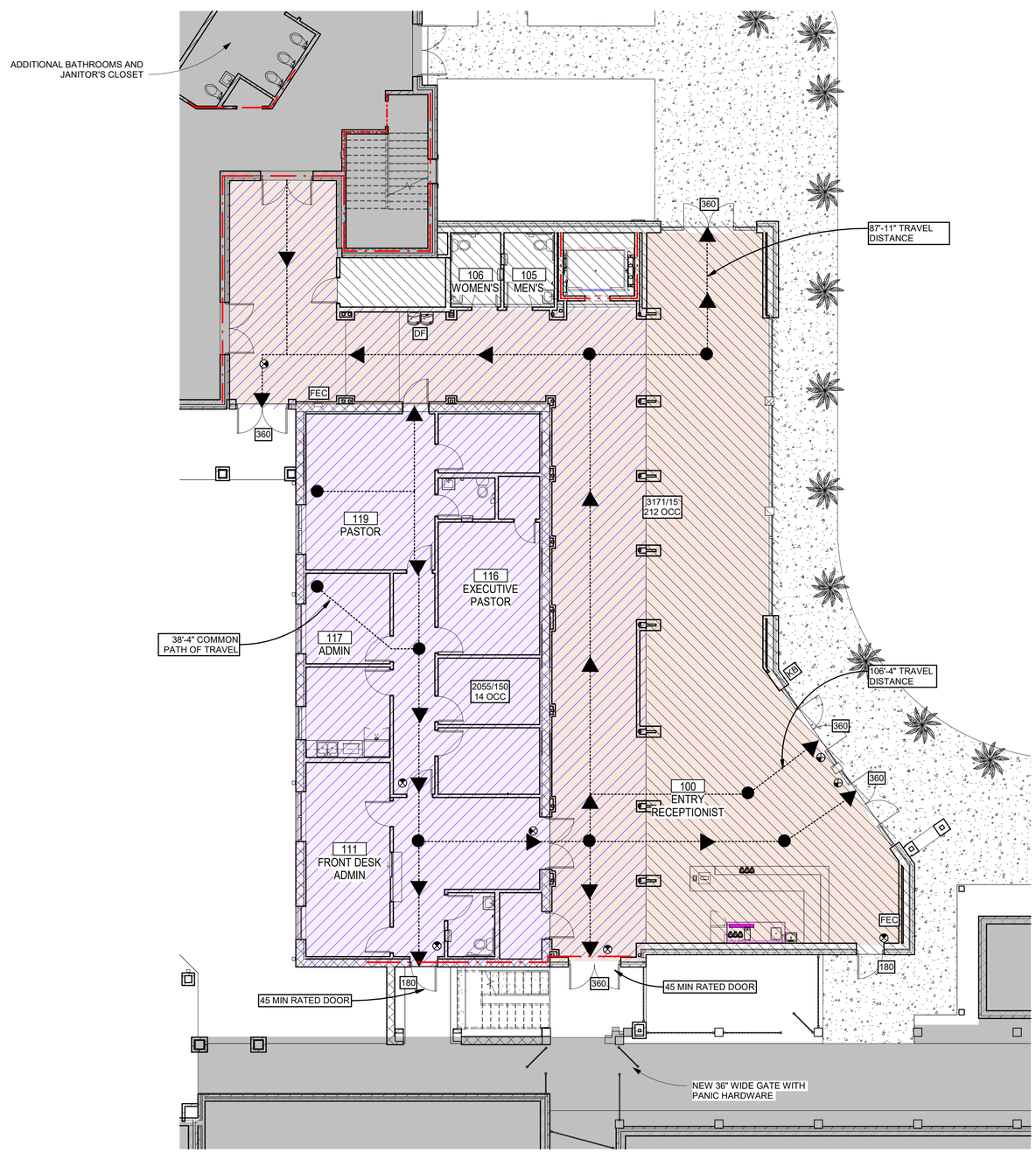
CONSTRUCTION DOCUMENTS



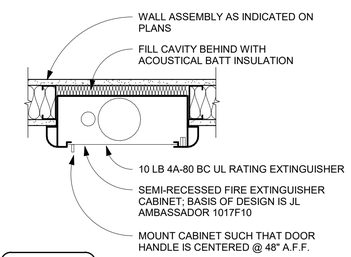
PLAN NORTH

2 LEVEL 1 - LIFE SAFETY PLAN

G003 1/8" = 1'-0"

8' 0 8' 16'

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



1 FIRE EXTINGUISER

G003 1 1/2" = 1'-0"

PLUMBING COUNT

ASSEMBLY OCCUPANCY: 226 OCC.
226/2 = 113 MALE/ 113 FEMALE

ASSEMBLY OCC:

WATER CLOSET (1/150 MALE):	1 REQ.	1 PROV.
WATER CLOSET (1/75 FEMALE):	1 REQ.	1 PROV.
HAND SINK (1/200):	1 REQ.	1 PROV.
DRINKING FOUNTAIN (1/1000):**	.22 REQ.	1 PROV.
SERVICE SINK:*	1 REQ.	1 PROV.

BUSINESS OCCUPANCY: 27 OCC.
27/2 = 13.5 MALE/ 13.5 FEMALE

BUSINESS OCC:

WATER CLOSET (1/25 M/F):***	2 REQ.	2 PROV.
HAND SINK (1/40):	2 REQ.	2 PROV.
DRINKING FOUNTAIN (1/100):**	.38 REQ.	1 PROV.
SERVICE SINK:*	1 REQ.	1 PROV.

* SHARED IN PROXIMITY DISTANCE IN ANOTHER BUILDING
** SHARED PLUMBING FIXTURE
*** NO SEPARATE FIXTURE FOR EACH SEX IF UNDER 25 OCCUPANTS PER 2023 FPC 403.2 (4)
**** NOT REQUIRED IF UNDER 15 OCCUPANTS PER 2023 FPC 410.2
***** NOT REQUIRED IN BUSINESS OR MERCANTILE IF OCCUPANT LESS THAN 15 PER TABLE 403.1 (e)

LEGEND

— · —	1HR FIRE RATERD ASSEMBLY UL #U419
KB	KNOX BOX AS DIRECTED BY FIRE MARSHAL
FE	FIRE EXTIGUISHER WALL HUNG OR SEMI-RECESSED
DF	DRINKING FOUNTAIN; SEE PLUMBING
	EXIT SIGN; SEE ELECTRICAL

CODE ANALYSIS

LEVEL OF ALTERATION

FBC 2023:
NEW ADDITION
LEVEL 3 ALTERATION (EXISTING FACILITY)

OCCUPANCY CLASS

FBC 2023 (EXISTING): A3 (RELIGIOUS WORSHIP)
FBC 2023 (ADDITION): A3 (RELIGIOUS WORSHIP)

CONSTRUCTION TYPE

FBC 2023 (EXISTING): TYPE IIB, SPRINKLERED
FBC 2023 (ADDITION): TYPE IIB, SPRINKLERED

BUILDING AREA & HEIGHT

EXISTING BUILDING:	4,204 SF(1ST/2ND FLR)
NEW ADDITION:	2,256 SF(1ST/2ND FLR)
ALLOWABLE AREA (S1) (FBC TABLE 506.2, A3 OCC.):	28,500 SF
NEW SQFT:	2,030 SF
ALLOWABLE BUILDING HEIGHT:(S) (TABLE 504.3 504.4, A3 OCC.)	75 FT/3 STORY
ACTUAL BUILDING HEIGHT:	35FT /2 STORIES

FIRE RESISTANCE

FBC TABLE 601 AND TABLE 705.5 FOR TYPE IIB CONSTRUCTION:

PRIMARY STRUCTURAL FRAME:	0 hr
BEARING WALLS:	
EXTERIOR BEARING:	0 hr
INTERIOR BEARING:	0 hr
NONBEARING WALLS:	
EXTERIOR BEARING:	0 hr (SEE BELOW)
INTERIOR BEARING	0 hr
FLOOR CONSTRUCTION:	0 hr
ROOF CONSTRUCTION:	0 hr

EXTERIOR WALL RATING BASED ON FIRE SEPARATION DISTANCE

X ≤ 5' SEPARATION	1 hr
5' ≤ X < 10' SEPARATION	1 hr
10' ≤ X < 30' SEPARATION	0 hr
X ≥ 30' SEPARATION	0 hr

LIFE SAFETY INFORMATION

FBC TABLE 1004.5:

GROUND FLOOR:

TABLES/CHAIRS(1/15):	3171/15=	212.00 OCC.
BUSINESS AREA (1/150):	2055/150=	14.00 OCC.
TOTAL OCCUPANT:		226.00 OCC.

2ND FLOOR:

TABLES/CHAIRS(1/15):	160/15=	11.00 OCC.
BUSINESS AREA (1/150):	1994/150=	13.00 OCC.
TOTAL OCCUPANT:		26.00 OCC.

TOTAL WIDTH MEANS OF EGRESS:

STAIRWAYS: (.2 MULTIPLIER)1005.3.1	44" REQ.	55" PROV.
DOORS: 45.2" (.15 MULTIPLIER)1005.3.2	2 REQ.	6 PROV.
CORRIDORS: (.15 MULTIPLIER)1005.3.2	44" REQ.	48" PROV.

SEE PLAN FOR MEANS OF EGRESS WIDTHS

EXIT ACCESS DOORWAYS REQUIRED PER FBC 1006:
PER FLR: 2 REQUIRED 6 PROV

EXIT ACCESS TRAVEL DISTANCE: PER TABLE 1017.2 (S)	250 FT
EXIT ACCESS COMMON PATH OF TRAVEL: PER TABLE 1006.2.1 (S)	75 FT
MAXIMUM DEAD END CORRIDOR: PER SECTION 1020.5	20 FT
CORRIDOR FIRE RATING: PER TABLE 1020.2 (S)	0HR

SEE PLAN FOR TRAVEL DISTANCES PROVIDED

APPLICABLE CODES

2023 FBC - BUILDING, 8TH EDITION
2023 FBC - EXISTING BUILDING, 8TH EDITION
2023 FBC - PLUMBING, 8TH EDITION
2023 FBC - MECHANICAL, 8TH EDITION
2023 FBC - ENERGY CONSERVATION, 8TH EDITION
2023 FBC - ACCESSIBILITY, 8TH EDITION
2023 FFPC - NFPA 1/101 PARTS, 8TH EDITION
2017 FLORIDA ELECTRICAL CODE - NFPA 70,2017

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AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
LIFE SAFETY CODE ANALYSIS

SHEET NUMBER:
G003

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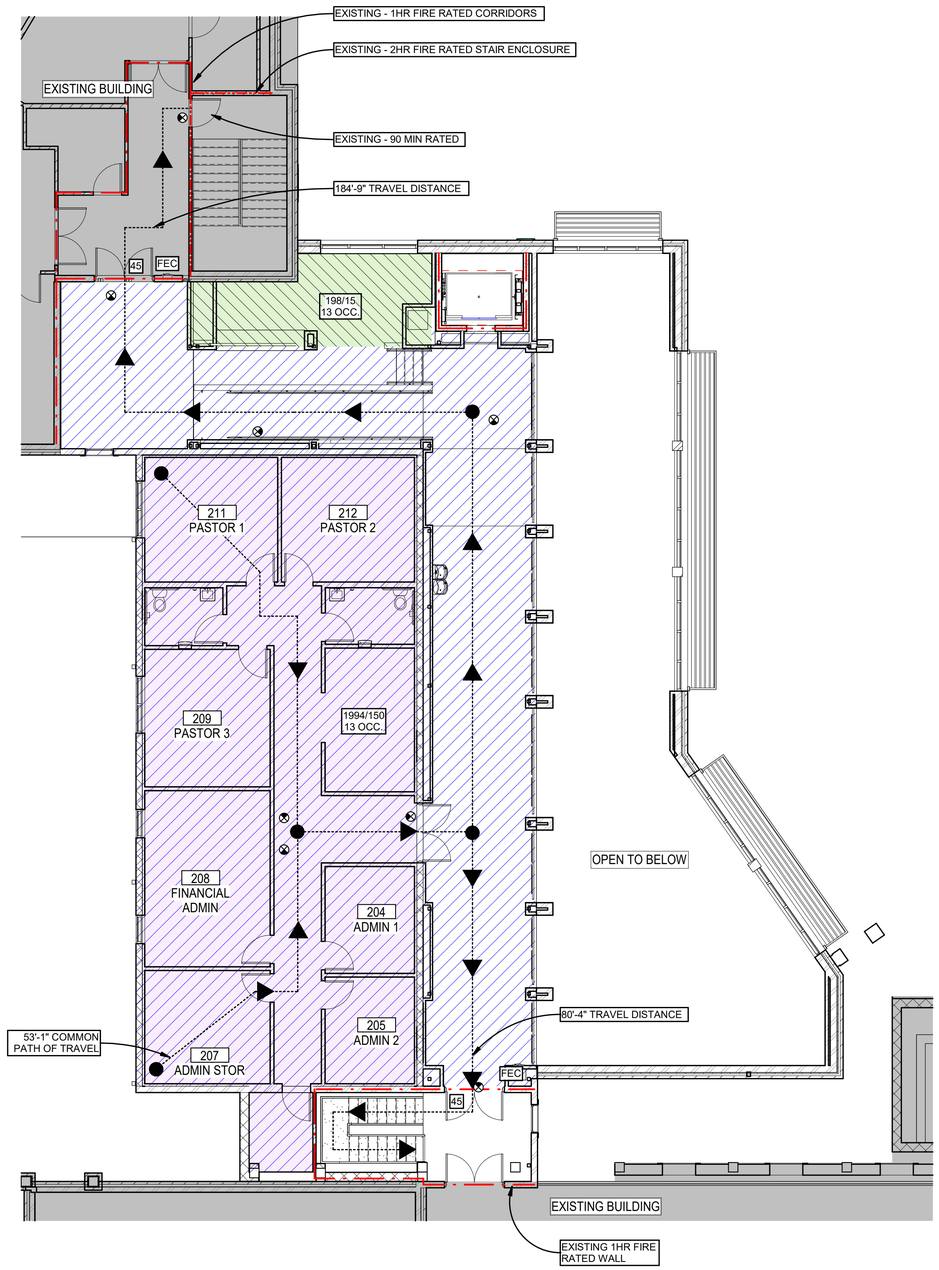

PLAN NORTH

8' 0 8' 16'

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

1 | G004 LEVEL 2 - LIFE SAFETY PLAN

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ROOF CONSTRUCTION:	0 hr

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PER FLR: 2 REQUIRED 6 PROV

EXIT ACCESS TRAVEL DISTANCE: PER TABLE 1017.2 (S)	250 FT
EXIT ACCESS COMMON PATH OF TRAVEL: PER TABLE 1006.2.1 (S)	75 FT
MAXIMUM DEAD END CORRIDOR: PER SECTION 1020.5	20 FT
CORRIDOR FIRE RATING: PER TABLE 1020.2 (S)	0HR

SEE PLAN FOR TRAVEL DISTANCES PROVIDED

APPLICABLE CODES

2023 FBC - BUILDING, 8TH EDITION
2023 FBC - EXISTING BUILDING, 8TH EDITION
2023 FBC - PLUMBING, 8TH EDITION
2023 FBC - MECHANICAL, 8TH EDITION
2023 FBC - ENERGY CONSERVATION, 8TH EDITION
2023 FBC - ACCESSIBILITY, 8TH EDITION
2023 FFPC - NFPA 1/101 PARTS, 8TH EDITION
2017 FLORIDA ELECTRICAL CODE - NFPA 70,2017

PLUMBING COUNT

ASSEMBLY OCCUPANCY: 226/2 = 113 MALE/ 113 FEMALE	226 OCC.

ASSEMBLY OCC:

WATER CLOSET (1/150 MALE):	1 REQ.	1 PROV.
WATER CLOSET (1/75 FEMALE):	1 REQ.	1 PROV.
HAND SINK (1/200):	1 REQ.	1 PROV.
DRINKING FOUNTAIN (1/1000):**	.22 REQ.	1 PROV.
SERVICE SINK:*	1 REQ.	1 PROV.

BUSINESS OCCUPANCY: 27/2 = 13.5 MALE/ 13.5 FEMALE	27 OCC.

BUSINESS OCC:

WATER CLOSET (1/25 M/F):***	2 REQ.	2 PROV.
HAND SINK (1/40):	2 REQ.	2 PROV.
DRINKING FOUNTAIN (1/100):**	.38 REQ.	1 PROV.
SERVICE SINK:*	1 REQ.	1 PROV.

* SHARED IN PROXIMITY DISTANCE IN ANOTHER BUILDING
** SHARED PLUMBING FIXTURE
*** NO SEPARATE FIXTURE FOR EACH SEX IF UNDER 25 OCCUPANTS PER 2023 FPC 403.2 (4)
**** NOT REQUIRED IF UNDER 15 OCCUPANTS PER 2023 FPC 410.2
***** NOT REQUIRED IN BUSINESS OR MERCANTILE IF OCCUPANT LESS THAN 15 PER TABLE 403.1 (e)

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LJA ENGINEERING
ARCHITECTURAL
B&A ARCHITECTURAL GROUP
INTERIOR DESIGNER
B&A ARCHITECTURAL GROUP
STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
LIFE SAFETY CODE ANALYSIS

SHEET NUMBER:
G004

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CONSTRUCTION DOCUMENTS

RAMPS:

RAMP NOTES:
1. ALL RAMPS MUST MEET HANDRAIL AND CURB REQUIREMENTS.
2. ALL PARTS OF ACCESSIBLE ROUTE WITH SLOPE GREATER 1:20 SHALL BE CONSIDER A RAMP AND MUST COMPLY WITH THE FOLLOWING REQUIREMENTS.
3. MAX. SLOPE OF A RAMP SHALL BE 1:12.
4. MAX. RISE OF ANY RUN SHALL BE 30".
5. MIN. CLEAR WIDTH OF A RAMP SHALL BE 36".
6. RAMPS MUST HAVE LEVEL LANDINGS AT BOTH THE TOP AND BOTTOM OF ALL RUNS.
7. RAMP LANDINGS MUST BE AT LEAST AS WIDE AS THE RAMP.
8. ALL RAMP LANDINGS SHALL BE NO LESS THAN 60" CLEAR, AND THE BOTTOM OF THE RAMP SHALL HAVE NOT LESS THAN 72" OF STRAIGHT AND LEVEL CLEARANCE.
9. LANDINGS AT LOCATIONS WHERE THE RAMP IS CHANGE DIRECTIONS SHALL BE NO LESS THAN 60"X60".

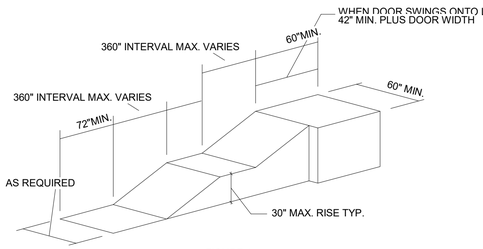

FIGURE 1
STRAIGHT RAMP RUN

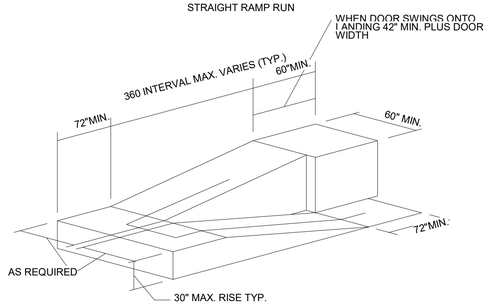

FIGURE 2
RAMP WITH INTERMEDIATE SWITCH BACK PLATFORM

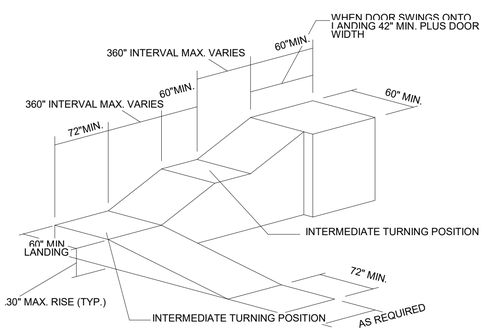

FIGURE 3
RAMP WITH TURNING PLATFORM

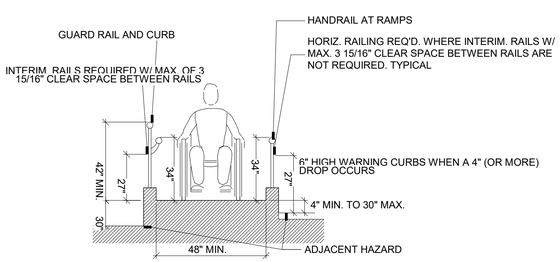

FIGURE 4
RAMP SECTION

DRINKING FOUNTAINS AND WATER COOLERS:

1. SPOUT MUST BE NO HIGHER THAN 36" FROM F.F.
2. SPOUT MUST BE TO THE FRONT OF THE DRINKING FOUNTAIN OR WATER COOLER WITH A WATER FLOW TRAJECTORY PARALLEL TO THE FRONT OF THE UNIT
3. SPOUT MUST PROVIDE A WATER FLOW AT LEAST 4" HIGH TO ALLOW FOR A DRINKING CUP TO BE FILLED.
4. A ROUND OR OVAL BOWL ON A WATER FOUNTAIN OR WATER COOLER MUST HAVE THE SPOUT POSITIONED SO THE FLOW OF WATER IS WITHIN 3" OF THE FRONT EDGE OF THE FOUNTAIN.
5. CANTILEVERED UNITS MUST HAVE CLEAR KNEE SPACE BETWEEN THE BOTTOM OF THE APRON AND THE FLOOR OF AT LEAST 27" HIGH, 30" WIDE, AND 17" DEEP.
6. CANTILEVERED UNITS MUST HAVE A CLEAR FLOOR SPACE OF 30"X48" TO ALLOW A FORWARD APPROACH TO THE UNIT.
7. FREE-STANDING OR BUILT-IN UNITS WITH NO CLEAR SPACE UNDER THE UNIT MUST HAVE CLEAR SPACE IN FRONT OF THE UNIT THAT ALLOWS FOR A PARALLEL APPROACH. SEE FIGURE 17/ A0.1.

RECESSED FOUNTAINS:

8. WITHIN ALCOVES MIN. 63" WIDE, MIN. 18" DEEP WHEN DOUBLE DRINKING FOUNTAINS ARE REQUIRED AND 32" MIN. CLR. WHEN A SINGLE FOUNTAIN IS PERMITTED.
9. CONTRACTOR SHALL COORDINATE WITH SIZE OF WATER FOUNTAIN TO BE USED AND SIZE ALCOVE ACCORDINGLY COMPLYING WITH REQUIREMENTS AND RECOMMENDATIONS AND COORDINATING WITH THE ARCHITECT.

PROJECTED FOUNTAINS:

10. WARNING FOR THE VISION IMPAIRED AT A PROJECTED DRINKING FOUNTAIN CAN BE PROVIDED BY EITHER OF THE FOLLOWING MEANS: THE SURFACE OF THE FLOOR OR GROUND AT THE DRINKING FOUNTAIN CAN BE OF CONTRASTING COLOR WITH A TEXTURE THAT CONTRASTS IN RESILIENCY WITH THE ADJACENT FINISHED FLOOR MATERIAL, SO THAT IT CAN BE SENSED BY A CANE, WITH THE TEXTURE EXTENDING FROM THE WALL TO ONE FOOT BEYOND THE FRONT EDGE OF THE DRINKING FOUNTAIN AND ON FOOT BEYOND EACH SIDE OF THE FOUNTAIN, OR INSTALL WING WALLS ON EACH SIDE OF THE DRINKING FOUNTAIN TO PROJECT OUT FROM THE MAIN WALL AT LEAST AS FAR AS THE DRINKING FOUNTAIN AND TO WITHIN 6" OF THE PATH OF TRAVEL FLOOR FINISH. THERE MUST BE 32"CLEAR BETWEEN THE WING WALLS.

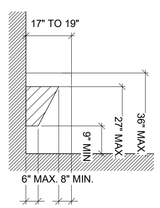

FIGURE 5
FOUNTAIN SECTION

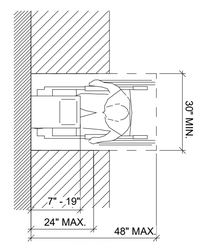

FIGURE 6
FOUNTAIN CLEAR FLOOR SPACE

RESTROOMS AND FIXTURES:

WATER CLOSET:
WATER CLOSETS MUST HAVE A CLEAR FLOOR SPACE OF 56" MIN. PERPENDICULAR FROM THE WATER CLOSET AND 48" MIN. CLEAR PARALLEL TO THE WATER CLOSET. A WALL MOUNTED LAVATORY MAY BE POSITIONED OVER THE CLEAR FLOOR SPACE AT A MAX. OF 18" INTO THE PARALLEL REQUIRED CLEAR SPACE. WATER CLOSETS MUST BE 17" TO 19" HEIGHT MEASUREMENT TO THE TOP OF THE TOILET SET. THE GRAB BAR BEHIND THE WATER CLOSET MUST BE A MIN. OF 36" LONG. TOILET CONTROLS MUST BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREA AND BE MOUNTED NO MORE THAN 44" A.F.F. TOILET PAPER DISPENSER MUST BE MOUNTED IN REACH OF ADA PERSON AND THE DISPENSER MUST ALLOW FOR CONTINUE PAPER FLOW.

URINALS:
URINALS SHALL BE STALL-TYPE OR WALL-HUNG WITH AN ELONGATED RIM AT A MAX. 17" A.F.F. CLEAR FLOOR SPACE PROVIDED FOR URINALS MUST BE 30" X 48" TO PROVIDE A FRONT APPROACH FOR AN ADA PERSON. URINAL SHIELDS THAT DO NOT EXTEND BEYOND THE FRONT EDGE OF THE URINAL RIM MAY BE PROVIDED WITH 29" CLEARANCE BETWEEN THEM. URINAL F LUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC, AND MUST BE MOUNTED MAX. 44" A.F.F.

LAVATORIES & MIRRORS:
LAVATORIES MUST BE MOUNTED WITH THE RIM NO HIGHER THAN 34" A.F.F. LAVATORIES MUST HAVE MIN. 29" OF CLEARANCE ABOVE FINISH FLOOR TO THE BOTTOM OF THE APRON. KNEE SPACE AND AND TOE CLEARANCE MUST ALSO BE PROVIDE, AS SHOWN BELOW. 30" X 48" CLEAR FLOOR SPACE THAT PROVIDES A FORWARD APPROACH MUST BE PROVIDED AT ALL LAVATORIES. THIS CLEAR FLOOR SPACE MAY EXTEND A MAX. OF 19" UNDERNEATH THE LAVATORY. HOT WATER AND DRAIN PIPES UNDER THE LAVATORY MUST INSULATED OR CONFIGURED TO PROTECT AGAINST CONTACT. FAUCETS MUST BE LEVER-OPERATED, PUSH-TYPE, OR ELECTRONICALLY CONTROLLED. MIRRORS MUST BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTED SURFACE NO HIGHER THAN 40" A.F.F.

RESTROOMS & FIXTURES (CONT.):

THIS DIAGRAM IS TO SHOW REQUIRE FIXTURE CLEARANCES. SEE PLAN FOR ACTUAL FIXTURE LOCATIONS

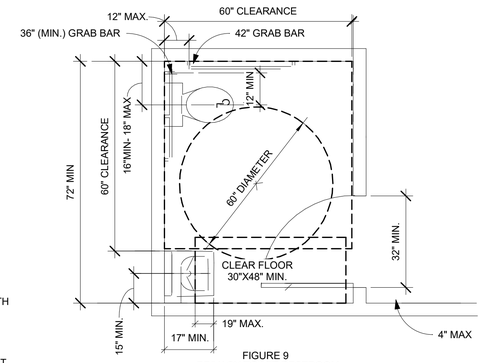

FIGURE 9
PRIVACY TOILET RESTROOM

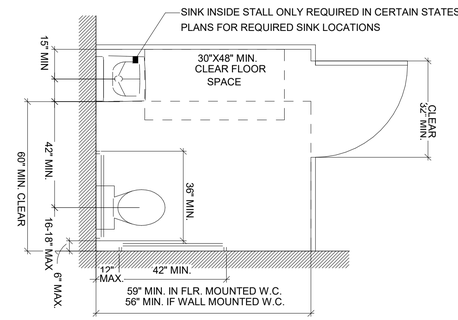

FIGURE 10
TOILET STALL NEW CONSTRUCTION

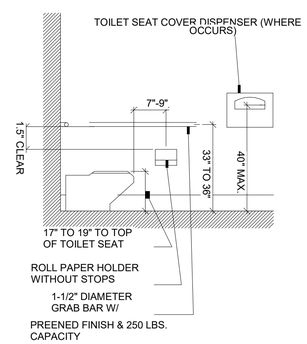

FIGURE 11
GRAB BAR AT WATER CLOSET SIDE WALL

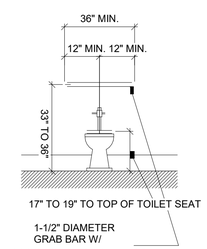

FIGURE 12
GRAB BAR AT WATER CLOSET BACK WALL

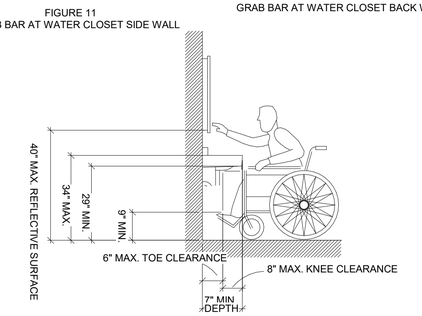

FIGURE 13
LAVATORY CLEARANCES AND MIRROR HEIGHTS

RESTROOMS & FIXTURES (CONT.):

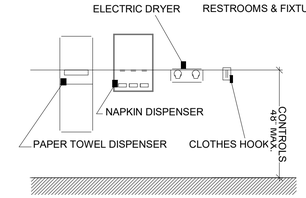

FIGURE 14
RESTROOM FIXTURE ACCESSORY HEIGHTS

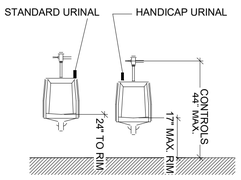

FIGURE 15
URINAL HEIGHTS

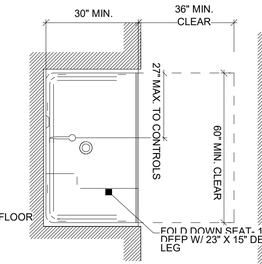

FIGURE 16
SHOWER SIZE AND CLEARANCE

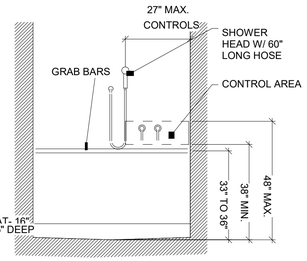

FIGURE 17
GRAB BARS AND HEIGHTS AT LONG WALL OF SHOWER

RESTAURANTS & CAFETERIAS:

COUNTERS AND BARS:

WHERE FOOD OR DRIK IS SERVED AT COUNTERS EXCEEDING 34" IN HEIGHT FOR CONSUMPTION BY CUSTOMERS SEATED ON STOOLS OR STANDING AT THE COUNTER, A PORTION OF THE MAIN COUNTER WHICH IS 60" IN LENGTH MINIMUM SHALL BE PROVIDED BETWEEN 28" TO 34" ABOVE FINISH FLOOR.

FOOD SERVICE LINES:

FOOD SERVICE LINES SHALL HAVE A MIN. CLEAR WIDTH OF 36" WITH A PREFERRED CLEAR WIDTH OF 42" TO ALLOW PASSAGE AROUND A PERSON USING A WHEELCHAIR. TRAY SLIDES SHALL BE MOUNTED NO HIGHER THAN 34" ABOVE THE FLOOR. IF SELF-SERVICE SHELVES ARE PROVIDED, AT LEAST 50% OF EACH TYPE MUST BE WITHIN REACH RANGE OF A WHEELCHAIR BOUND INDIVIDUAL.

TABLEWARE AND CONDIMENT AREAS:

SELF-SERVICE SHELVES AND DISPENSING DEVICES FOR TABLEWARE, DISH WARE, CONDIMENTS, FOOD, AND BEVERAGES SHALL BE INSTALLED WITHIN REACH RANGE OF A WHEELCHAIR BOUND INDIVIDUAL.

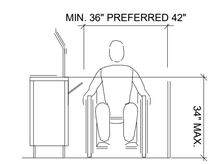

FIGURE 18
FOOD SERVICE LINE CLEARANCES & HEIGHTS

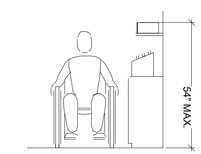

FIGURE 17
TABLEWARE AREA HEIGHTS

THEATER/ FIXED ASSEMBLY SEATING:

SIZED OF WHEELCHAIR LOCATIONS:
EACH WHEELCHAIR LOCATION SHALL PROVIDE A MIN. CLEAR FLOOR SPACE OF 48"X66" WHERE FORWARD OR REAR ACCESS IS AVAILABLE AND 60"X66" WHERE ONLY SIDE ACCESS IS AVAILABLE. EACH WHEELCHAIR LOCATION MUST BE LARGE ENOUGH FOR TWO WHEELCHAIR INDIVIDUALS COME TO A PERFORMS MAY SIT SIDE BY SIDE.

PLACEMENT OF WHEELCHAIR LOCATIONS:
WHEELCHAIR AREAS SHALL BE AN INTEGRAL PART OF ANY FIXED SEATING PLAN AND SHALL BE PROVIDED SO AS TO PROVIDE PEOPLE WITH PHYSICAL DISABILITIES A CHOICE OF ADMISSION PRICES AND LINES OF SIGHT COMPARABLE TO THOSE FOR MEMBERS OF THE GENERAL PUBLIC.

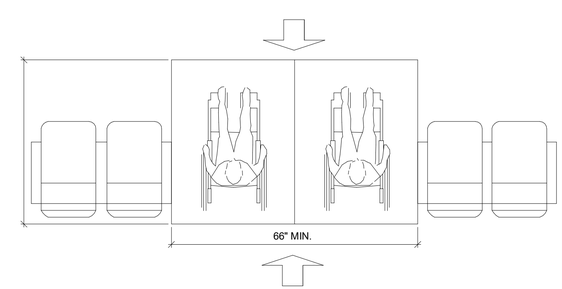

FIGURE 20
FORWARD OR REAR ACCESS

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PROJECT:
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FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
ACCESSIBILITY STANDARDS

SHEET NUMBER:
G005

PRINT DATE: 9/15/2026 4:56:18 PM

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CONSTRUCTION DOCUMENTS

FIGURE 1
CHARACTER RAISED REQUIREMENT

FIGURE 2
PROPORTIONS OF THE INTERNATIONAL SIGN OF ACCESSIBILITY

FIGURE 3
INTERNATIONAL SYMBOL OF ACCESSIBILITY DISPLAY CONDITION #1.

FIGURE 4
INTERNATIONAL SYMBOL OF ACCESSIBILITY DISPLAY CONDITION #2.

FIGURE 5
INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS

FIGURE 6
INTERNATIONAL TDD SYMBOL

FIGURE 7
WOMEN'S RESTROOM SIGNAGE

FIGURE 8
MEN'S RESTROOM SIGNAGE

FIGURE 9
MEN'S AND WOMEN'S RESTROOMS SIGNAGE

LETTERS AND NUMBERS:

1. LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.

2. RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8" HIGH, BUT NO HIGHER THAN 2".

3. PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE A MINIMUM OF 6" IN HEIGHT.

4. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10.

5. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. BOTH THE CHARACTERS AND BACKGROUND MUST HAVE A NON-GLARE FINISH.

6. CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE X. LOWER CASE CHARACTERS ARE PERMITTED. FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE WITH SECTION 11-4.4.2, THE MINIMUM CHARACTER HEIGHT SHALL BE 3".

7. CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED IN OTHER PORTIONS OF THESE REGULATIONS. DOTS SHALL BE 1/10" ON CENTERS IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND.

SIGN LOCATIONS:

8. ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE IDENTIFIED WITH A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS.

9. WHEN PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH SECTION 11178.5.6. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT LEAF DOORS, SIGNS SHALL BE PLACE ON THE NEAREST ADJACENT WALL. PREFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION SHALL BE DETERMINED SO THAT THE PERSON MAY APPROACH WITHIN 3" OF THE SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

INTERNATIONAL SYMBOL OF ACCESSIBILITY:

11. STANDARD USED TO IDENTIFY ACCESSIBLE FACILITIES.

12. WHITE FIGURE ON BLUE BACKGROUND. COLOR # 15090 ON FEDERAL STANDARD # 595A.

13. WHEN ENFORCING AGENCY DETERMINES, IF APPROPRIATE, SPECIAL DESIGNS AND COLORS MAY BE APPROVED.

BRAILLE:

14. USE CONTRASTED GRADE 2 BRAILLE. DOTS TO BE 0.1 INCH ON CENTER IN EACH CELL.

15. 0.2 INCH SPACE BETWEEN CELLS.

16. DOTS RAISED MINIMUM 0.025 INCH ABOVE BACKGROUND.

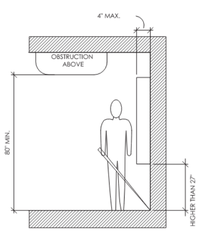

FIGURE 10
WALL OBJECTS MOUNTED WITH THEIR LEADING EDGE HIGHER THAN 27" MUST NOT PROTRUDE MORE THAN 4" FROM THE WALL.

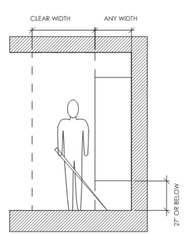

FIGURE 11
WALL OBJECTS MOUNTED WITH THEIR LEADING AT 27" OR BELOW ARE NOT RESTRICTED IN WIDTH ALLOWED TO PROTRUDE FROM THE WALL.

PROTRUDING OBJECTS:

ADA DIAGRAMS AND NOTES ARE REFERENCED FROM THE AMERICANS WITH DISABILITIES ACT HANDBOOK 2010

PROTRUDING OBJECTS CONT.:

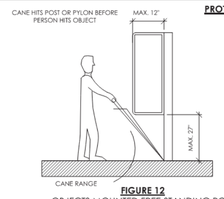

FIGURE 12
OBJECTS MOUNTED FREE-STANDING POST OR PYLONS MAY OVERHAND 12", WITH THEIR LEADING EDGE NO HIGHER THAN 27".

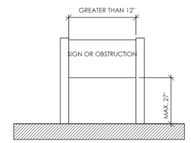

FIGURE 13
OBJECTS MOUNTED BETWEEN TWO POLES OR PYLONS MUST SPAN GREATER THAN 12" AND MUST HAVE THEIR LEADING EDGE NO HIGHER THAN 27".

SPACE ALLOWANCE AND REACH RANGE:

MIN. CLEAR FLOOR SPACE FOR A WHEEL CHAIR AND OCCUPANT IS 30" X 48" AND MAY BE POSITIONED FOR EITHER A FORWARD OR PARALLEL APPROACH TO AN OBJECT.

1. MIN. CLEAR WIDTH FOR A SINGLE WHEELCHAIR PASSAGE IS 36".
2. MIN. CLEAR WIDTH FOR TWO WHEELCHAIRS TO PASSES IS 60".
3. SPACE REQUIRED FOR A WHEELCHAIR TO TURN 180-DEGREES IS 60".

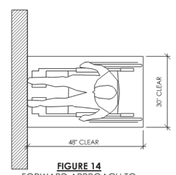

FIGURE 14
FORWARD APPROACH TO OBJECT

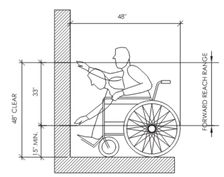

FIGURE 15
THE RANGE OF REACH FOR OBJECTS THAT ONLY HAVE FORWARD APPROACH CLEARANCE SHALL BE MIN. 15" FROM F.F. AND MAX. 48" FROM F.F.

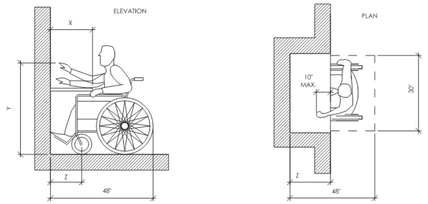

FIGURE 16
MAXIMUM FORWARD REACH OVER AN OBSTRUCTION

1. X SHALL BE < 25".
2. Z SHALL BE > X. WHEN X < 20", THEN Y SHALL BE 48" MAX.
3. WHEN X IS 20 TO 25", THEN Y SHALL BE 44" MAX.

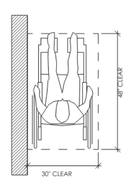

FIGURE 17
PARALLEL APPROACH TO OBJECT

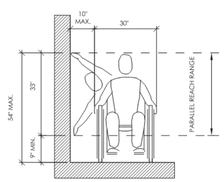

FIGURE 18
THE RANGE OF REACH FOR OBJECTS THAT HAVE A PARALLEL APPROACH CLEARANCE SHALL BE MIN. 9" FROM F.F. AND MAX. 54" FROM F.F.

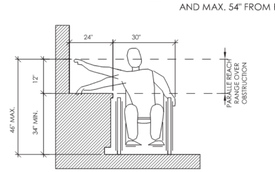

FIGURE 19
THE RANGE OF REACH FOR OBJECTS OVER OBSTRUCTIONS THAT HAVE A PARALLEL APPROACH CLEARANCE SHALL BE MIN. 34" FROM F.F. AND MAX. 46" FROM F.F.

DOOR CLEAR SPACE:

CLEAR SPACES MUST BE LEVEL TO PREVENT WHEELCHAIRS FROM ROLLING WHEN THE OCCUPANT RELEASES THE WHEEL GRIPS TO REACH FOR THE DOOR. 1/4" PER FOOT IS ALLOWED FOR DRAINAGE.

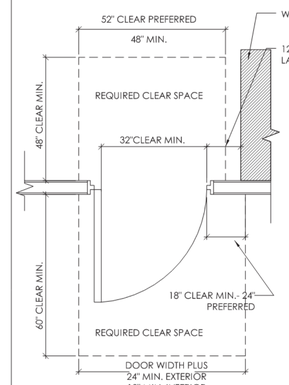

FIGURE 20
DOORWAYS INTENDED FOR FULL USER PASSAGE MUST HAVE A MIN. CLEAR OPENING OF 32" BETWEEN FACE OF DOOR AND OPPOSITE STOP AND OPEN AT LEAST 90-DEGREES.

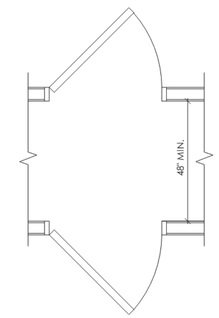

FIGURE 21
MIN. REQUIRED SPACE BETWEEN TO SWINGING DOORS MUST BE 48" PLUS THE WIDTH OF ANY DOOR SWINGING INTO THE SPACE.

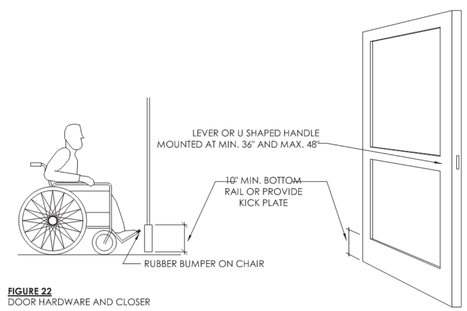

FIGURE 22
DOOR HARDWARE AND CLOSER

NOTE:
1. MINIMUM 10" HIGH SMOOTH SURFACE AT DOOR BOTTOM, EITHER ATTACHED PANEL OR BOTTOM RAIL.
2. OPERABLE BY SINGLE EFFORT LEVER-TYPE DEVICE (NOT REQUIRING GRASPING).
3. DOOR HARDWARE MOUNTED BETWEEN 36" TO 48" FROM F.F.
4. MAXIMUM 8.5 LBS. EFFORT TO OPERATE EXTERIOR DOOR, 5 LBS. FOR INTERIOR DOORS.

LEVEL CHANGES AND THRESHOLDS:

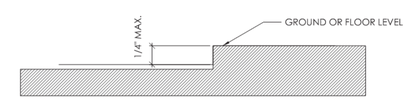

FIGURE 23- LEVEL CHANGE
NOTES:
1. LEVEL CHANGES UP TO 1/4" MAY BE VERTICAL AND WITHOUT EDGE TREATMENT.
2. LEVEL CHANGES BETWEEN 1/4" AND 1/2" MUST BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
3. CHANGES IN LEVEL GREATER THAN 1/2" MUST BE ACCOMPLISHED BY MEANS OF A RAMP.

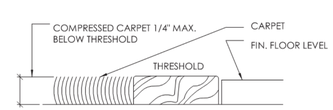

FIGURE 24- CARPET LEVEL CHANGE
NOTES:
1. CARPET MUST BE SECURELY ATTACHED TO SUB-SURFACE.
2. CARPET MUST HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR BACKING.
3. CARPET MUST HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR CUT/UNCUT PILE TEXTURED.
4. MAX. PILE THICKNESS MUST BE 1/2".
5. EXPOSED EDGE OF CARPET MUST BE FASTENED TO THE FLOOR SURFACE AND HAVE TRIM ALONG THE ENTIRE LENGTH OF EXPOSED EDGE.

LEVEL CHANGES AND THRESHOLDS (CONT.):

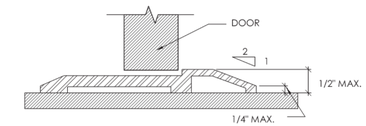

FIGURE 25- THRESHOLD
NOTES:
1. THRESHOLDS AT DOORWAYS MUST NOT EXCEED 1/2" IN HEIGHT.
2. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS MUST BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

STAIR & HANDRAIL REQUIREMENTS:

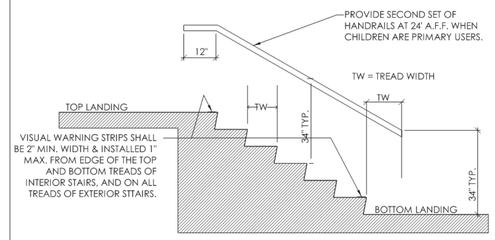

FIGURE 26- STAIR

STAIR NOTES:
1. RISER HEIGHTS AND TREAD WIDTHS MUST BE UNIFORM ON ANY GIVEN STAIR FLIGHT.
2. STAIR TREADS SHALL BE NO LESS THAN 11" WIDE MEASURED FROM TREAD TO TREAD.
3. OPEN TREADS ARE NOT PERMITTED FOR ADA STAIRS.
4. NOSING RADIUS MUST NOT BE GREATER THAN 1/2" AND MUST NOT BE ABRUPT.
5. RISERS MUST BE SLOPED OR UNDERSIDE OF NOSING MUST HAVE AN ANGLE OF AT LEAST 60-DEGREES FROM THE HORIZONTAL.
6. NOSING PROJECTION MUST NOT EXCEED 1 1/2".
7. HANDRAILS MUST BE PROVIDED ON BOTH SIDES OF STAIRS.
8. HANDRAILS MUST EXTEND 12" BEYOND TOP RISER
9. HANDRAILS MUST EXTEND 12" PLUS THE TREAD DEPTH BEYOND THE BOTTOM RISER.
10. TOP HANDRAIL EXTENSION MUST BE PARALLEL TO FLOOR SURFACE.
11. BOTTOM HANDRAIL EXTENSION MUST CONTINUE TO SLOPE FOR A DISTANCE OF THE WIDTH OF ONE TREAD FROM THE BOTTOM RISER AND THEN TURN TO RUN PARALLEL WITH THE FLOOR SURFACE.
12. CLEAR SPACE BETWEEN THE HANDRAIL AND WALL MUST BE 1 1/2"
13. HANDRAILS MUST BE UNINTERRUPTED BY CONSTRUCTION ELEMENTS OR OBSTRUCTIONS.
14. TOP OF HANDRAIL MUST BE MOUNTED BETWEEN 34" AND 38" ABOVE STAIR NOSING.
15. END OF HANDRAIL MUST RETURN SMOOTHLY TO THE FLOOR, WALL, OR POST.
16. HANDRAILS MUST NOT ROTATE IN THEIR FITTINGS.

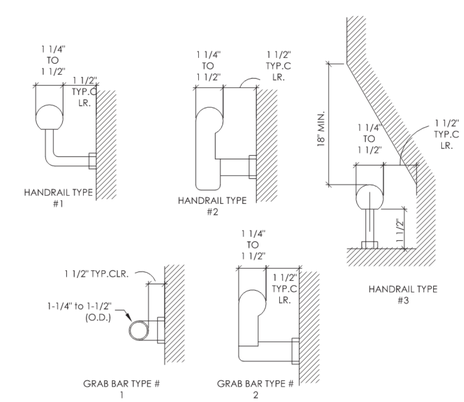

FIGURE 27- HANDRAIL & GRAB BAR PROFILES

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FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
ACCESSIBILITY STANDARDS

SHEET NUMBER:
G006

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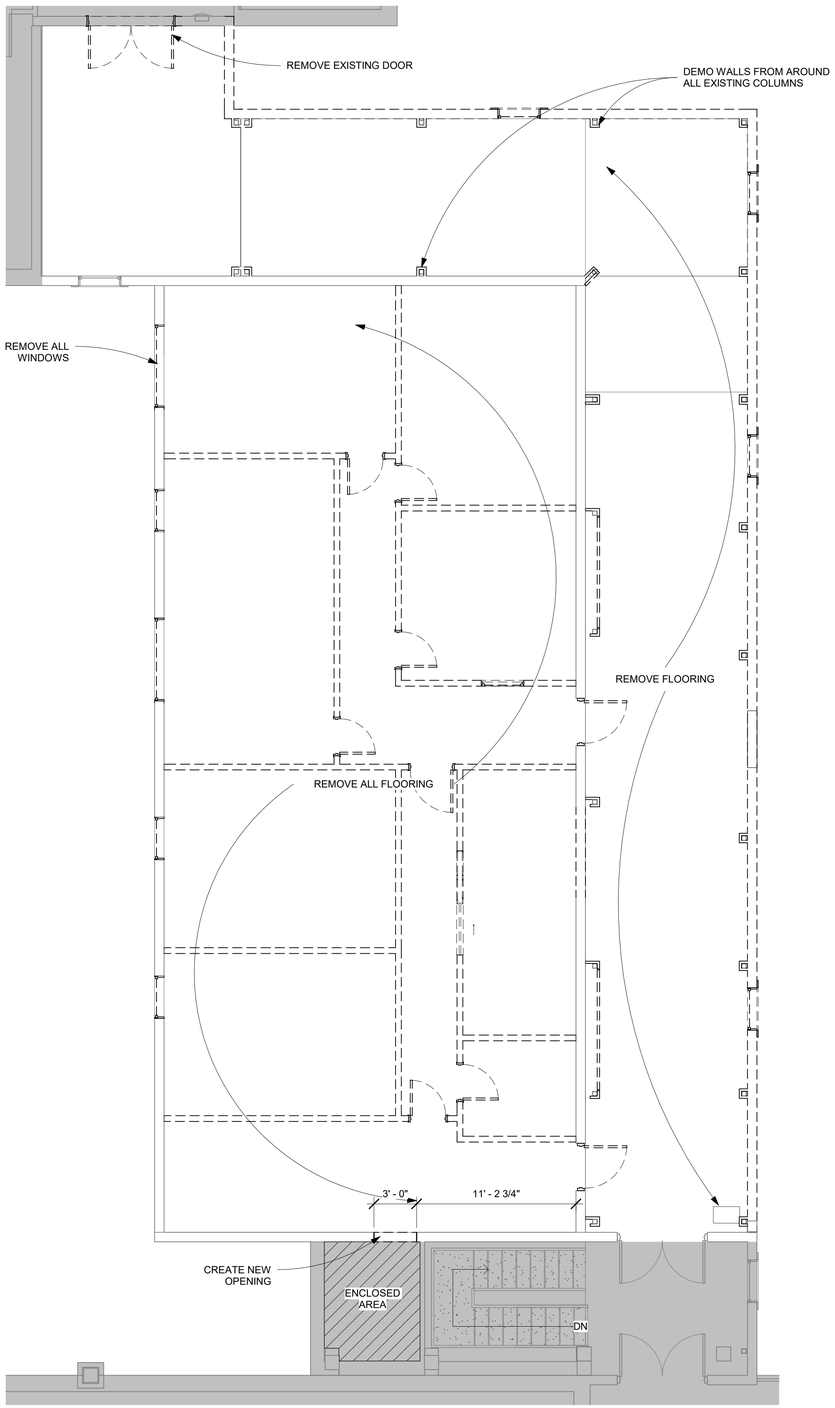
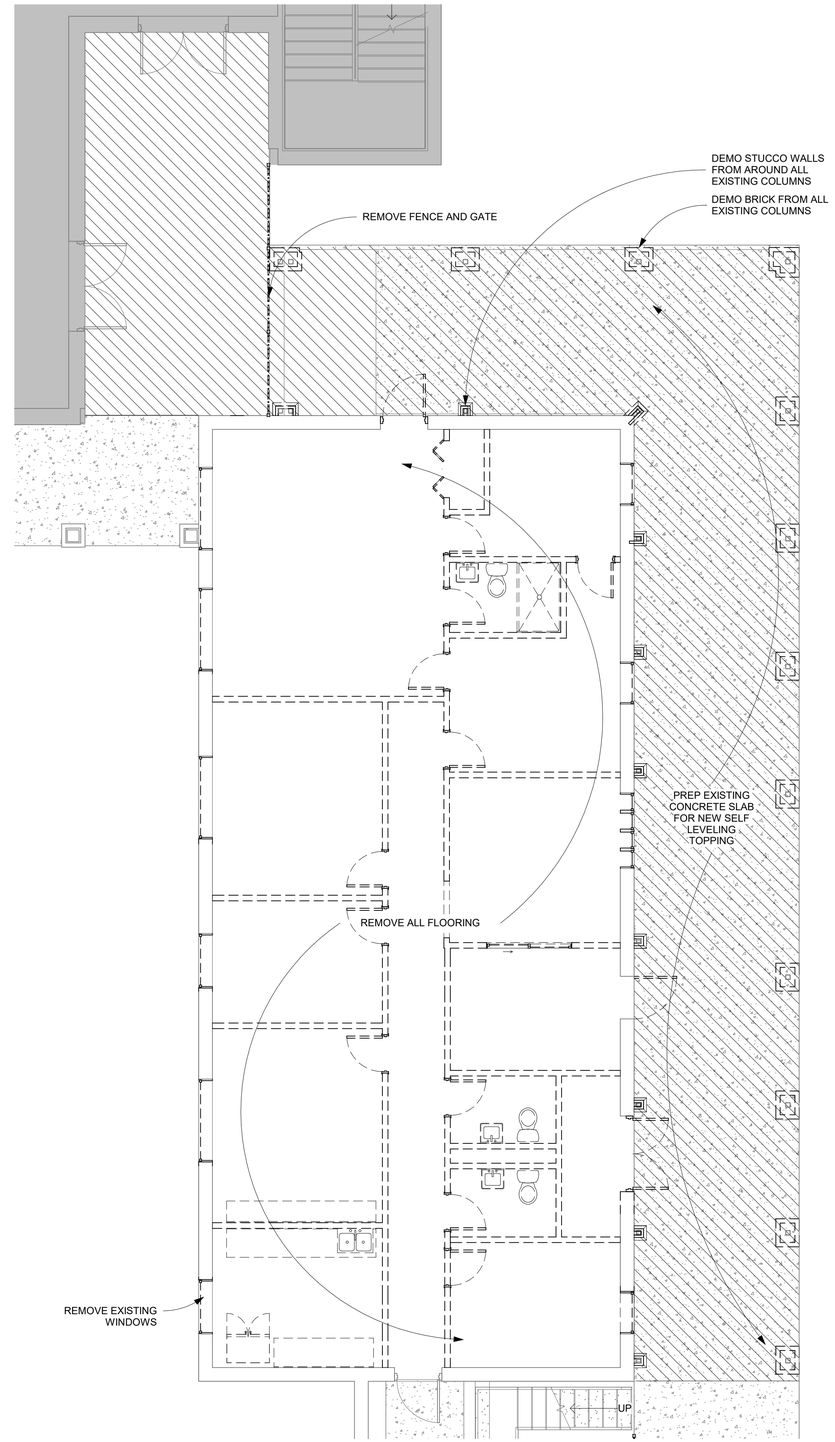


2 DEMOLITION PLAN - 2ND FLOOR

D001 3/16" = 1'-0"



1 DEMOLITION PLAN - 1ST FLOOR

D001 3/16" = 1'-0"

LEGEND

- DASHED LINES DENOTES CONSTRUCTION TO BE REMOVED OR DEMOLISHED
- LIGHT SOLID LINES DENOTES CONSTRUCTION TO REMAIN; PROTECT DURING CONSTRUCTION
- SHADED AREA DENOTE PAVING TO BE PREP FOR NEW SELF LEVELING TOPPING; SEE NEW WORK
- EXISTING BUILDING; NO WORK

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING OR COMMENCING CONSTRUCTION
2. PROPERTY SHALL BE KEPT CLEAN DURING CONSTRUCTION
3. CONTRACTOR INFORM OWNER/ARCHITECT IMMEDIATELY IF HIDDEN CONDITIONS ARE FOUND THAT MAY AFFECT THE WORK DURING DEMOLITION
4. PATCH ALL AREAS EXPOSED OR DAMAGED BY DEMOLITION TO MATCH EXISTING OR NEW FINISHES
5. ALL DEMOLITION TO BE ACCOMPLISHED IN SUCH A MANNER AS TO MINIMIZE DAMAGE TO REMAINING ADJACENT CONSTRUCTION.
6. EXISTING WINDOWS SHALL BE REMOVED IN A MANNER TO PROTECT EXISTING CONDITIONS
7. SHORING AND FRAMING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

4' 0 4' 8' 12'

SCALE: 3/16" = 1' - 0"

DO NOT SCALE DRAWINGS

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FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

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SHEET TITLE:
DEMOLITION PLAN

SHEET NUMBER:
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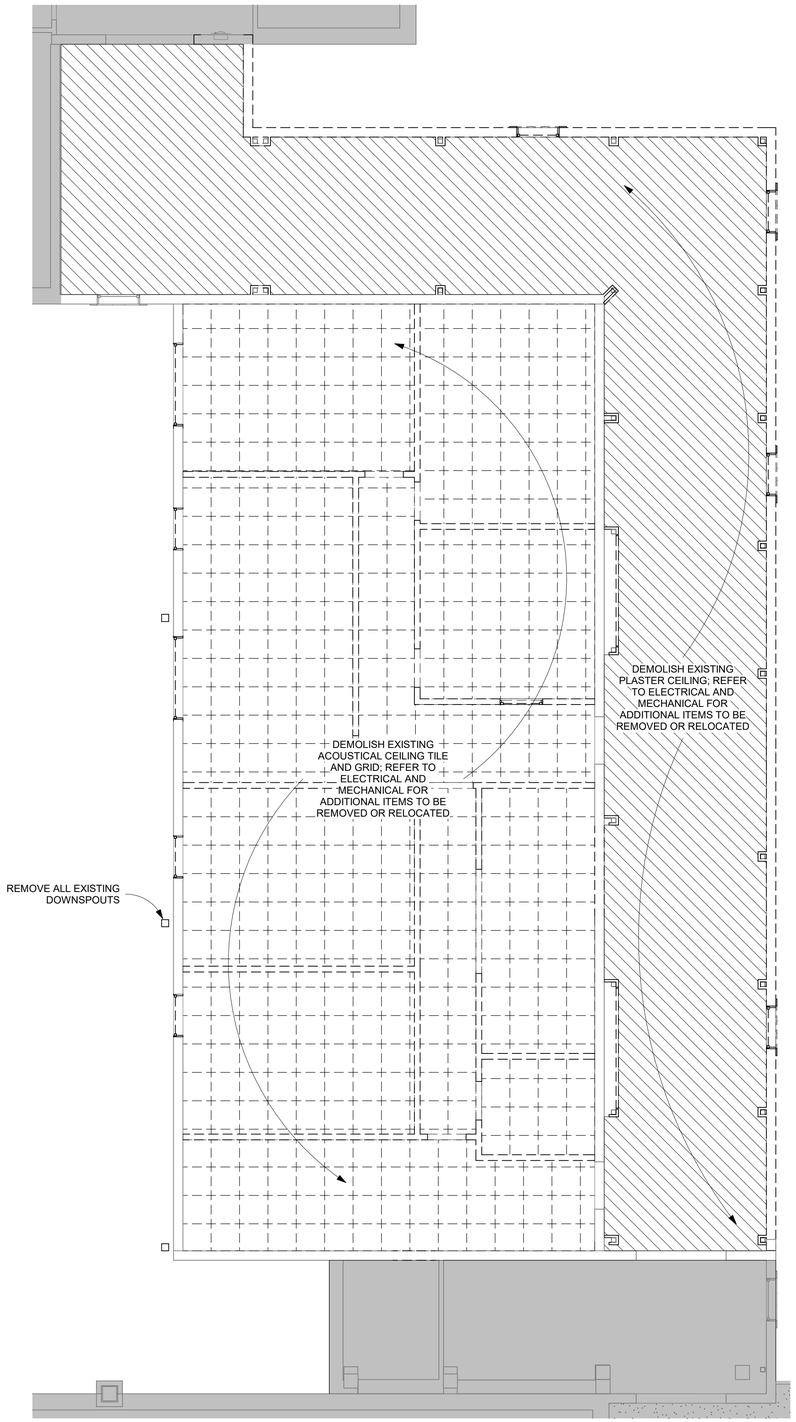
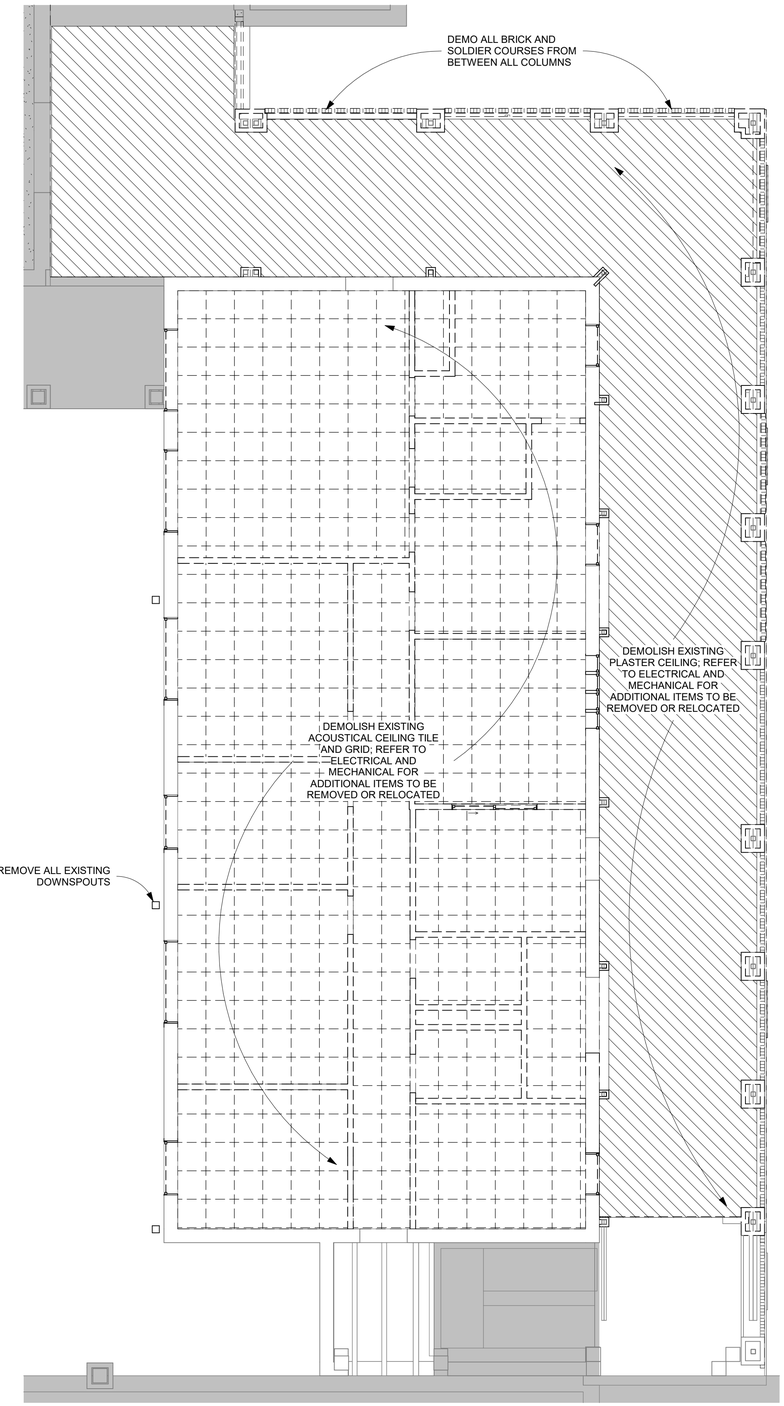


2 DEMOLITION PLAN - RCP 2ND FLOOR

D002 3/16" = 1'-0"



1 DEMOLITION PLAN - RCP GROUND FLOOR

D002 3/16" = 1'-0"

LEGEND

- DASHED LINES DENOTES CONSTRUCTION TO BE REMOVED OR DEMOLISHED
- LIGHT SOLID LINES DENOTES CONSTRUCTION TO REMAIN; PROTECT DURING CONSTRUCTION
- SHADED AREA DENOTE CEILING SYSTEM TO BE REMOVED
- DASHED GRID DENOTE ACOUSTICAL TILE AND GRID TO BE DEMOLISHED

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING OR COMMENCING CONSTRUCTION
2. PROPERTY SHALL BE KEPT CLEAN DURING CONSTRUCTION
3. CONTRACTOR INFORM OWNER/ARCHITECT IMMEDIATELY IF HIDDEN CONDITIONS ARE FOUND THAT MAY AFFECT THE WORK DURING DEMOLITION
4. PATCH ALL AREAS EXPOSED OR DAMAGED BY DEMOLITION TO MATCH EXISTING OR NEW FINISHES
5. ALL DEMOLITION TO BE ACCOMPLISHED IN SUCH A MANNER AS TO MINIMIZE DAMAGE TO REMAINING ADJACENT CONSTRUCTION.
6. EXISTING WINDOWS SHALL BE REMOVED IN A MANNER TO PROTECT EXISTING CONDITIONS
7. SHORING AND FRAMING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

4' 0 4' 8' 12'

SCALE: 3/16" = 1' - 0"

DO NOT SCALE DRAWINGS

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DIETER A. BORRELL
AR 97710 / ID 6462

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RCP DEMOLITION PLAN

SHEET NUMBER:
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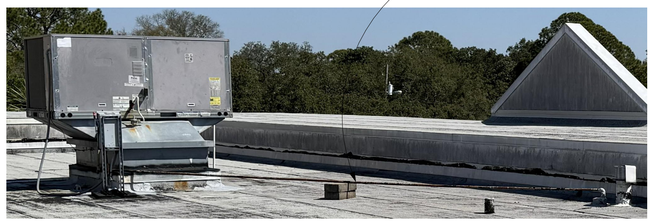
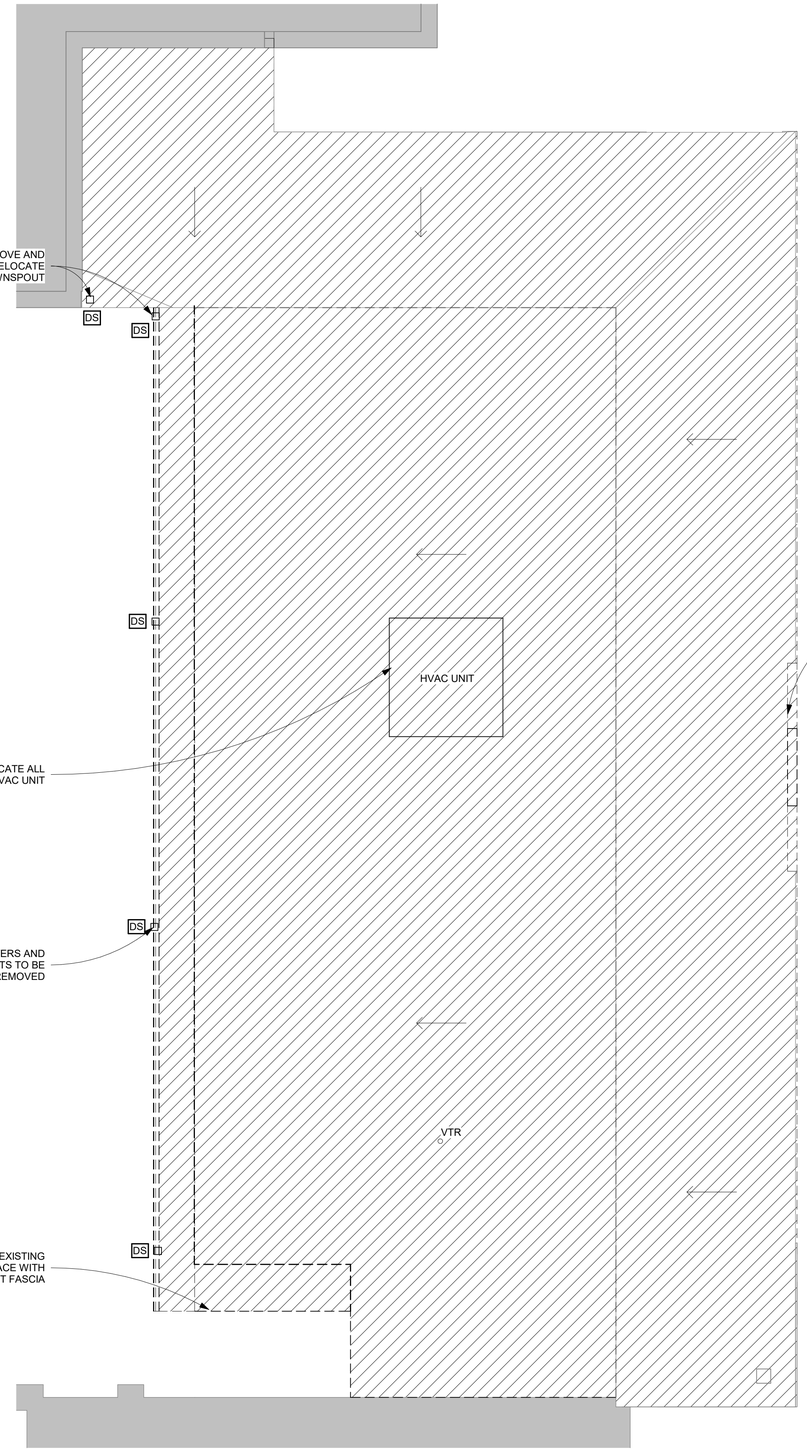


HVAC PIPING TO BE REMOVED AND RELOCATED

EXISTING FLASHING TO BE REMOVED AND REPLACED



PLAN NORTH

1 | D003

ROOF - DEMOLITION PLAN

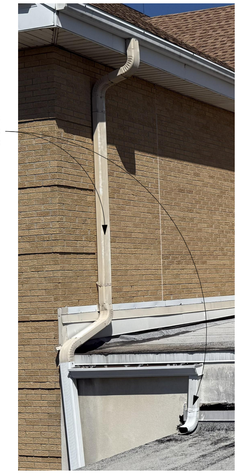
3/16" = 1'-0"

LEGEND

SHADED AREA DENOTES EXISTING BUILDING; NO WORK

SHADED AREA DENOTES ROOF TO BE REMOVED

DOWNSPOUTS TO BE REMOVED AND RELOCATED



REMOVE ALL FLOATING OBJECTS

FASCIA TO BE REMOVED

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING OR COMMENCING CONSTRUCTION
2. PROPERTY SHALL BE KEPT CLEAN DURING CONSTRUCTION
3. CONTRACTOR INFORM OWNER/ARCHITECT IMMEDIATELY IF HIDDEN CONDITIONS ARE FOUND THAT MAY AFFECT THE WORK DURING DEMOLITION
4. PATCH ALL AREAS EXPOSED OR DAMAGED BY DEMOLITION TO MATCH EXISTING OR NEW FINISHES
5. ALL DEMOLITION TO BE ACCOMPLISHED IN SUCH A MANNER AS TO MINIMIZE DAMAGE TO REMAINING ADJACENT CONSTRUCTION.
6. EXISTING WINDOWS SHALL BE REMOVED IN A MANNER TO PROTECT EXISTING CONDITIONS
7. SHORING AND FRAMING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

4' 0 4' 8' 12'

SCALE: 3/16" = 1' - 0"

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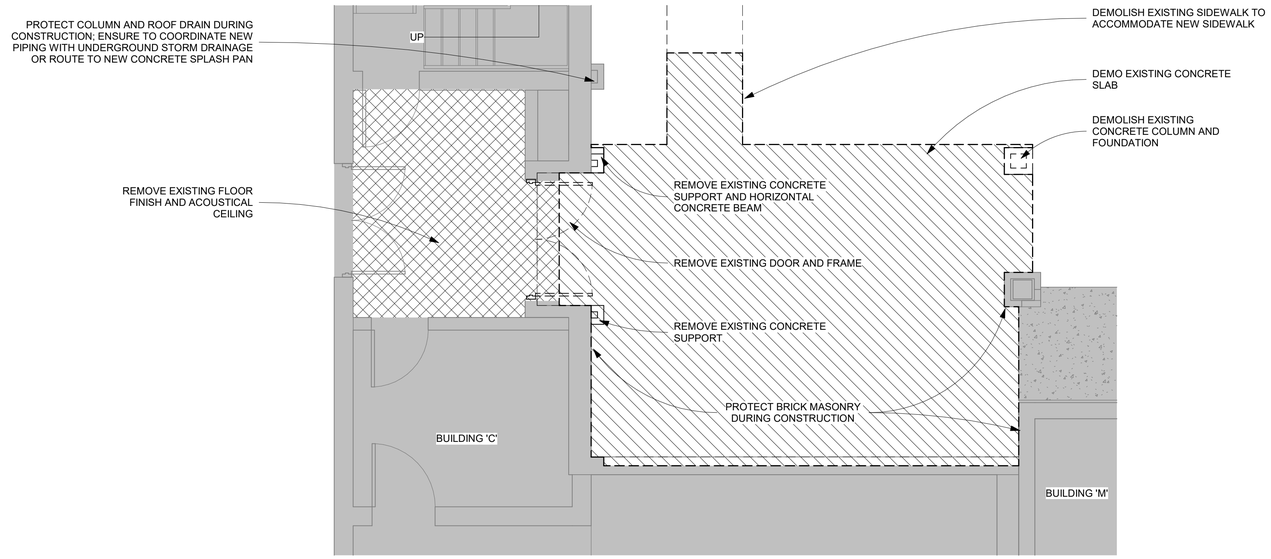
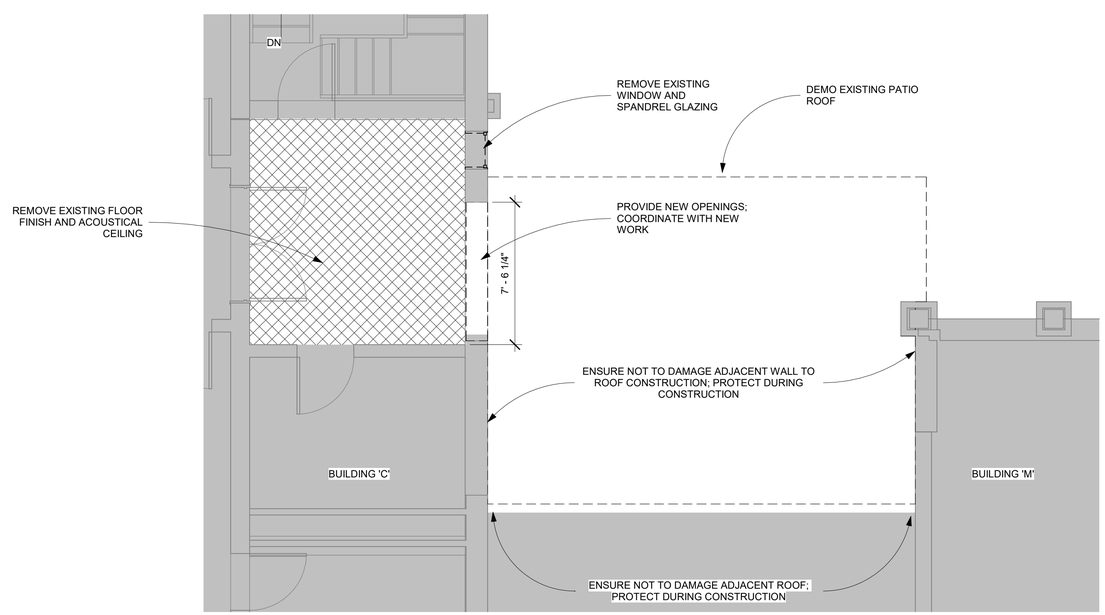


1 DEMOLITION PLAN - 1ST FLOOR

D004 1/4" = 1'-0"

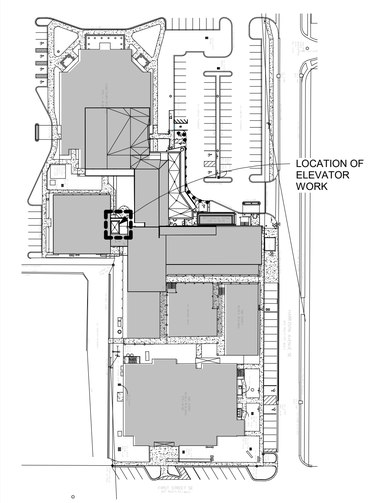


2 DEMOLITION PLAN - 2ND FLOOR

D004 1/4" = 1'-0"

LEGEND

- DASHED LINES DENOTES CONSTRUCTION TO BE REMOVED OR DEMOLISHED
- LIGHT SOLID LINES DENOTES CONSTRUCTION TO REMAIN; PROTECT DURING CONSTRUCTION
- SHADED AREA DENOTE SLAB TO BE REMOVED; SEE NEW WORK
- EXISTING BUILDING; NO WORK



3 KEY PLAN
1" = 100'-0"

4' 0 4' 8'
SCALE: 1/4" = 1' - 0"

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PENSACOLA, FL 32504
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BAARCHITECTURALGROUPINC.COM
License No: AR 97710

PROJECT ISSUES:

CONCEPT SKETCHES	2025-05-05
SCHEMATIC DESIGN	2026-04-10
REVISED PLAN	2026-05-18
DESIGN DEVELOPMENT	2026-06-26
CONSTRUCTION DOCUMENTS	2026-09-15

PROJECT TEAM:

CIVIL ENGINEER
LJA ENGINEERING
ARCHITECTURAL
B&A ARCHITECTURAL GROUP
INTERIOR DESIGNER
B&A ARCHITECTURAL GROUP
STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
BLDG 'E' DEMOLITION PLAN

SHEET NUMBER:
D004

PRINT DATE: 9/15/2026 4:56:21 PM

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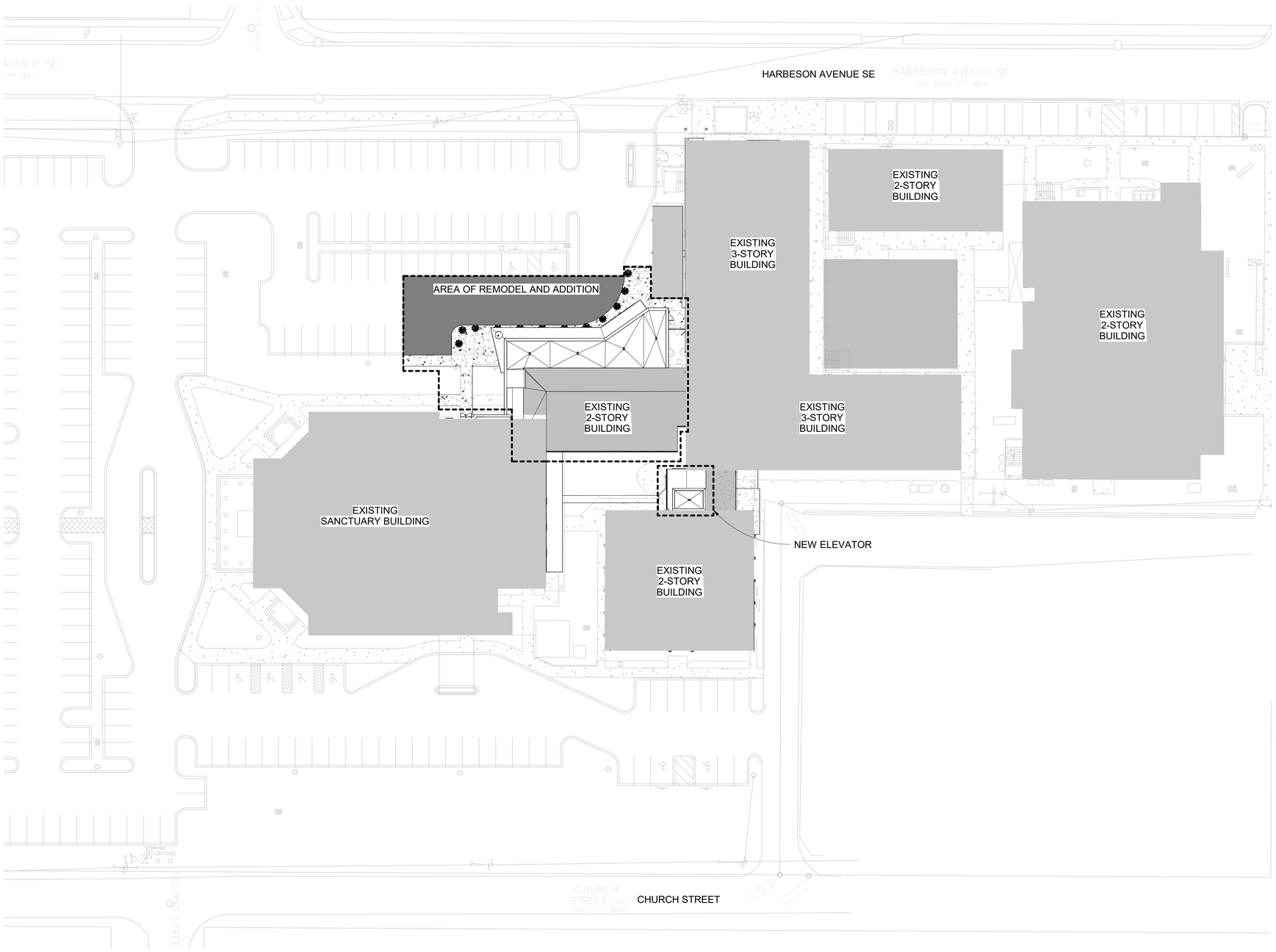
DO NOT SCALE DRAWINGS

CONSTRUCTION DOCUMENTS



PLAN NORTH

1 | A201 | A100

ARCHITECTURAL SITE PLAN

1" = 30'-0"

"FOR REFERENCE ONLY"

LEGAL DESCRIPTION:

LOTS 1-8, BLOCK H, LOTS 1-16, BLOCK 1 & 1/2 BLOCK P, CAMP WALTON, AS PER PLAT THEREOF AS RECORDED IN PLAT BOOK 1, AT PAGE 30, OF THE PUBLIC RECORDS OF OKALOOSA COUNTY, FLORIDA

BUILDING INFORMATION

NEW ADDITION:	2,109 SF
NEW ELEVATOR:	209 SF

SITE INFORMATION

ZONING:	GENERAL INDUSTRY M2
PARCEL ID#:	13-2S-24-1050-000I-0010
FRONT YARD SETBACK:	38' 11 3/4"
SIDE YARD SETBACK:	38' 11 7/8"
REAR YARD SETBACK:	3' 3 1/2"
MAXIMUM BLDG HEIGHT:	100 FT
FLOOD ELEVATION:	X

SURVEYORS DATA

PASCOE SURVEYING & MAPPING, INC.
13 TWISTED OAK TRAIL SHALIMAR, FLORIDA 32579
PHONE: 850-651-4200
FAX: 850-651-4222
EMAIL: BRIAN@PASCOESURVEYING.COM
CERTIFICATE OF AUTHORIZATION NO. 7237

LEGEND

HATCHED AREA DENOTES NEW ASPHALT PAVING; SEE CIVIL

HATCHED AREA DENOTES NEW 4" CONCRETE PAVING; SEE CIVIL

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.

30' 0 30' 60'

SCALE: 1" = 30' - 0"

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PROJECT ISSUES:

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DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
ARCHITECTURAL SITE PLAN

SHEET NUMBER:
A100

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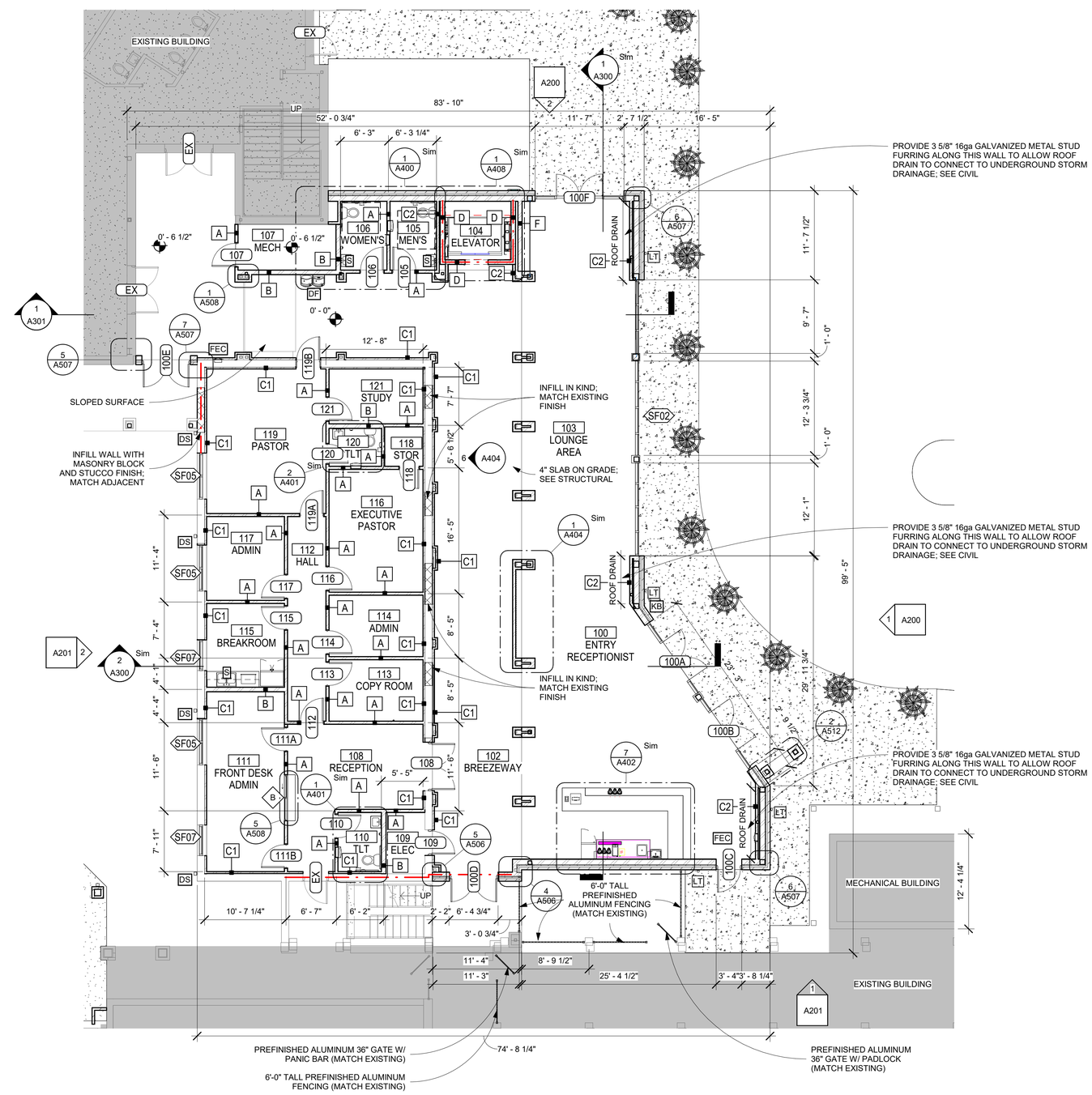

PLAN NORTH

1	FLOOR PLAN - GROUND FLOOR
A201 A101	1/8" = 1'-0"

LEGEND

	EXISTING WALLS / BUILDING
	DARK LINES DENOTES NEW WALL ASSEMBLY
DF	DRINKING FOUNTAIN; SEE PLUMBING
S	SINK; SEE PLUMBING
KB	KNOCK BOX - COORDINATE WITH FIRE MARSHAL
FEC	SEMI-RECESSED FIRE EXTINGUISHER OR HUNG EXTINGUISHER
DS	6" X 6" PREFINISHED ALUMINUM DOWNSPOUT CONNECT TO UNDERGROUND STORM DRAINAGE; SEE CIVIL
LT	ROOF OVERFLOW DRAIN "LAMBS TONGUE"; PROVIDE SIGNAGE AS NOTED ON EXTERIOR ELEVAIONS
TAB	STAINLESS STEEL TABLE WITH SINK; OFCI
C	COFFER MAKER; OFCI
W	TEA DISPENCER; OFCI
REF	UNDERCOUNTER REFRIGERATOR; OFCI

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING OR COMMENCING CONSTRUCTION
2. PROPERTY SHALL BE KEPT CLEAN DURING CONSTRUCTION
3. SUBMIT ALL PRODUCT SAMPLES AND CUTSHEETS TO OWNER/ARCHITECT FOR FINAL APPROVAL

8' 0 8' 16'

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

DO NOT SCALE DRAWINGS

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DAY CONSULTING
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DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
FLOOR PLAN - GROUND FLOOR

SHEET NUMBER:
A101

CONSTRUCTION DOCUMENTS

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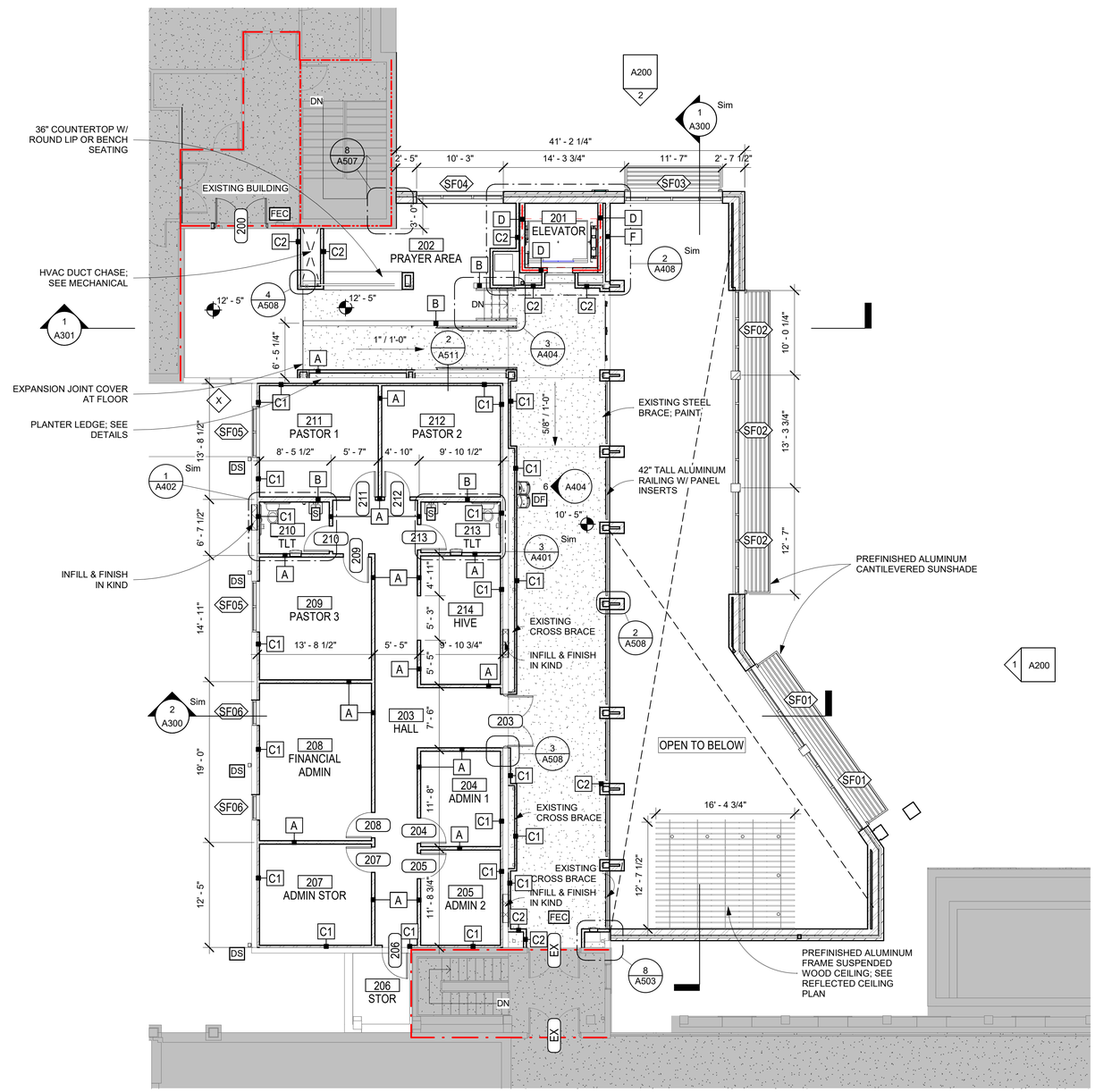

PLAN NORTH

1	FLOOR PLAN - 2ND FLOOR
A201 A102	1/8" = 1'-0"

LEGEND

- EXISTING WALLS / BUILDING
- DARK LINES DENOTES NEW WALL ASSEMBLY
- DF — DRINKING FOUNTAIN; SEE PLUMBING
- S — SINK; SEE PLUMBING
- FEC — SEMI-RECESSED FIRE EXTINGUISHER OR HUNG EXTINGUISHER
- DS — 6" X 6" PREFINISHED ALUMINUM DOWNSPOUT CONNECT TO UNDERGROUND STORM DRAINAGE; SEE CIVIL

SUNSHADE

MANUF: SUN CONTROL SOLUTIONS
TYPE: CANTILEVERED SUNSHADES
COLOR: DARK BRONZE

SUSPENDED WOOD CEILING

MANUF: USG
TYPE: CEILING PLUS BARZ
ITEM #: SC2179
COLOR: EUROPEAN CHERRY (S-36N)

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING OR COMMENCING CONSTRUCTION
2. PROPERTY SHALL BE KEPT CLEAN DURING CONSTRUCTION
3. SUBMIT ALL PRODUCT SAMPLES AND CUTSHEETS TO OWNER/ARCHITECT FOR FINAL APPROVAL

8' 0 8' 16'
SCALE: 1/8" = 1' - 0"

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STRUCTURAL ENGINEER
AMI CONSULTING LLC
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DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
FLOOR PLAN - 2ND FLOOR

SHEET NUMBER:
A102

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CONSTRUCTION DOCUMENTS

PLAN NORTH

1 | A201 | A120

REFLECTED CEILING PLAN - LEVEL 1

3/16" = 1'-0"

LEGEND

- 2'X2'X5/8" ACCOUSTICAL CEILING TILE ARMSTRONG "RADAR" W/ 15/16" WHITE ALUMINUM GRID; SEE FINISH SCHEDULE
- GYPSUM BOARD
- EXISTING; NO WORK
- EXHAUST FAN; SEE MECHANICAL
- LED LIGHT FIXTURES; SEE ELECTRICAL
- EXIT SIGNS; SEE ELECTRICAL
- EMERGENCY WALL PACK; SEE ELECTRICAL
- WALL MOUNTED LED; SEE ELECTRICAL
- LED LIGHT FIXTURES; SEE ELECTICAL
- LED RECESSED CAN LIGHTS; SEE ELECTRICAL

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING OR COMMENCING CONSTRUCTION
2. PROPERTY SHALL BE KEPT CLEAN DURING CONSTRUCTION
3. SUBMIT ALL PRODUCT SAMPLES AND CUT SHEETS TO OWNER/ARCHITECT FOR FINAL APPROVAL
4. ALL CEILING SHALL BE PAINTED FLAT PURE WHITE OR AS OWNER INSTRUCTED IN ROOMS WHERE WORK HAS BEEN REMODELED OR ENCLOSED
5. REPAIR CEILING IN EACH ROOM TO A SMOOTH TEXTURED FINISH WHERE WORK HAS BEEN PERFORMED REMOVING EXISTING WALLS.
6. CONTRACTOR MUST COORDINATE PLACEMENT OF SPRINKLER PIPING PRIOR TO HAVING HVAC DUCT INSTALLED. SUBMIT DIAGRAM OF SPRINKLER SYSTEM FOR APPROVAL AND COORDINATION TO ARCHITECT.

4' 0 4' 8' 12'

SCALE: 3/16" = 1' - 0"

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STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
REFLECTED CEILING PLAN - LEVEL 1

SHEET NUMBER:
A120

PRINT DATE: 9/15/2026 4:56:24 PM

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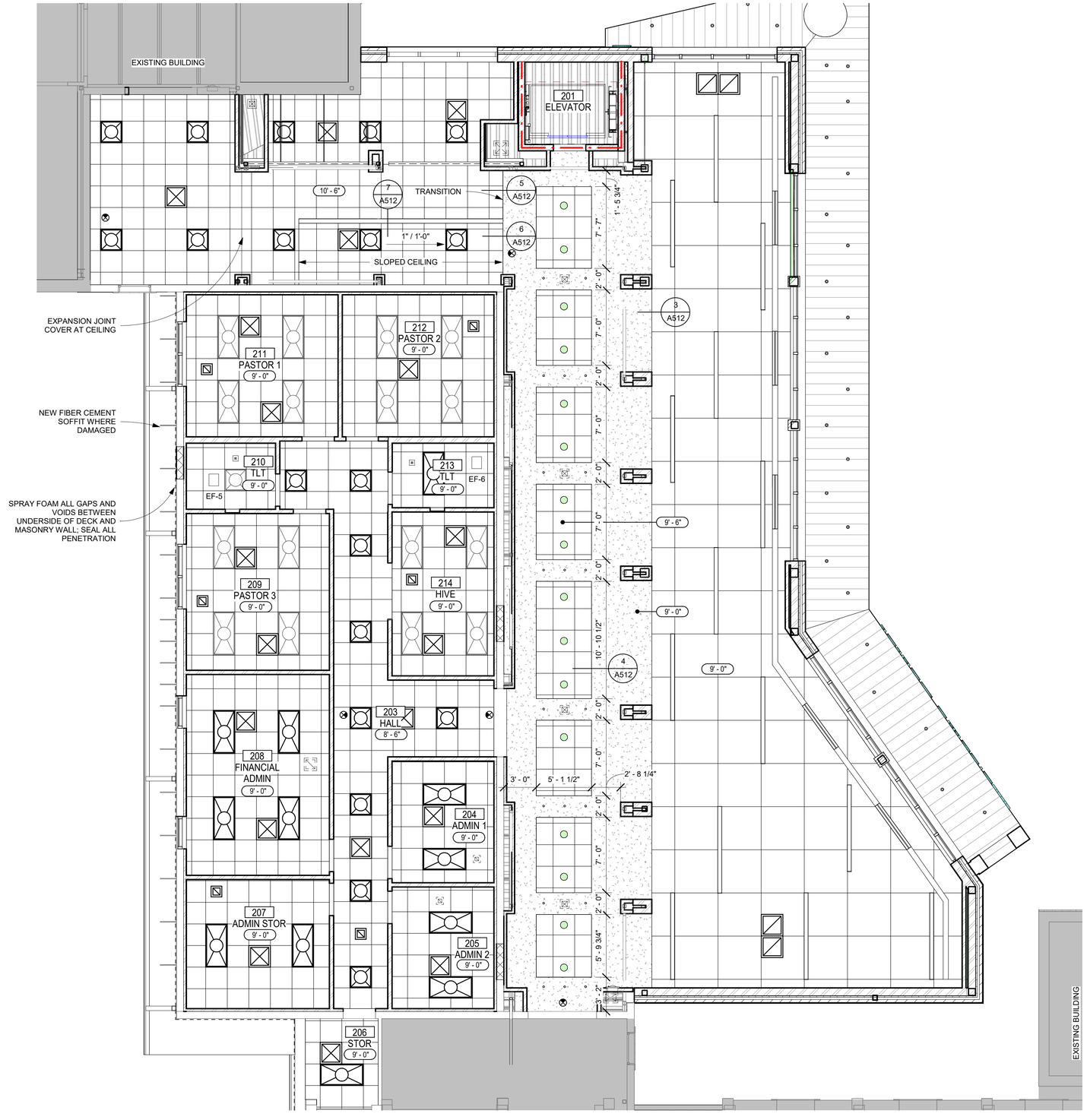
CONSTRUCTION DOCUMENTS



PLAN NORTH

1	
A201	A121

REFLECTED CEILING PLAN - LEVEL 2

3/16" = 1'-0"

LEGEND

- 2'X2'X5/8" ACCOUSTICAL CEILING TILE ARMSTRONG "RADAR" W/ 15/16" WHITE ALUMINUM GRID; SEE FINISH SCHEDULE
- EXISTING; NO WORK
- EXHAUST FAN; SEE MECHANICAL
- LED LIGHT FIXTURES; SEE ELECTRICAL
- EXIT SIGNS; SEE ELECTRICAL
- EMERGENCY WALL PACK; SEE ELECTRICAL
- WALL MOUNTED LED; SEE ELECTRICAL
- LED LIGHT FIXTURES; SEE ELECTICAL
- LED RECESSED CAN LIGHTS; SEE ELECTRICAL

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING OR COMMENCING CONSTRUCTION
2. PROPERTY SHALL BE KEPT CLEAN DURING CONSTRUCTION
3. SUBMIT ALL PRODUCT SAMPLES AND CUT SHEETS TO OWNER/ARCHITECT FOR FINAL APPROVAL
4. ALL CEILING SHALL BE PAINTED FLAT PURE WHITE OR AS OWNER INSTRUCTED IN ROOMS WHERE WORK HAS BEEN REMODELED OR ENCLOSED
5. REPAIR CEILING IN EACH ROOM TO A SMOOTH TEXTURED FINISH WHERE WORK HAS BEEN PERFORMED REMOVING EXISTING WALLS.
6. CONTRACTOR MUST COORDINATE PLACEMENT OF SPRINKLER PIPING PRIOR TO HAVING HVAC DUCT INSTALLED. SUBMIT DIAGRAM OF SPRINKLER SYSTEM FOR APPROVAL AND COORDINATION TO ARCHITECT.

4' 0 4' 8' 12'

SCALE: 3/16" = 1' - 0"

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AMI CONSULTING LLC
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DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
REFLECTED CEILING PLAN - LEVEL 2

SHEET NUMBER:
A121

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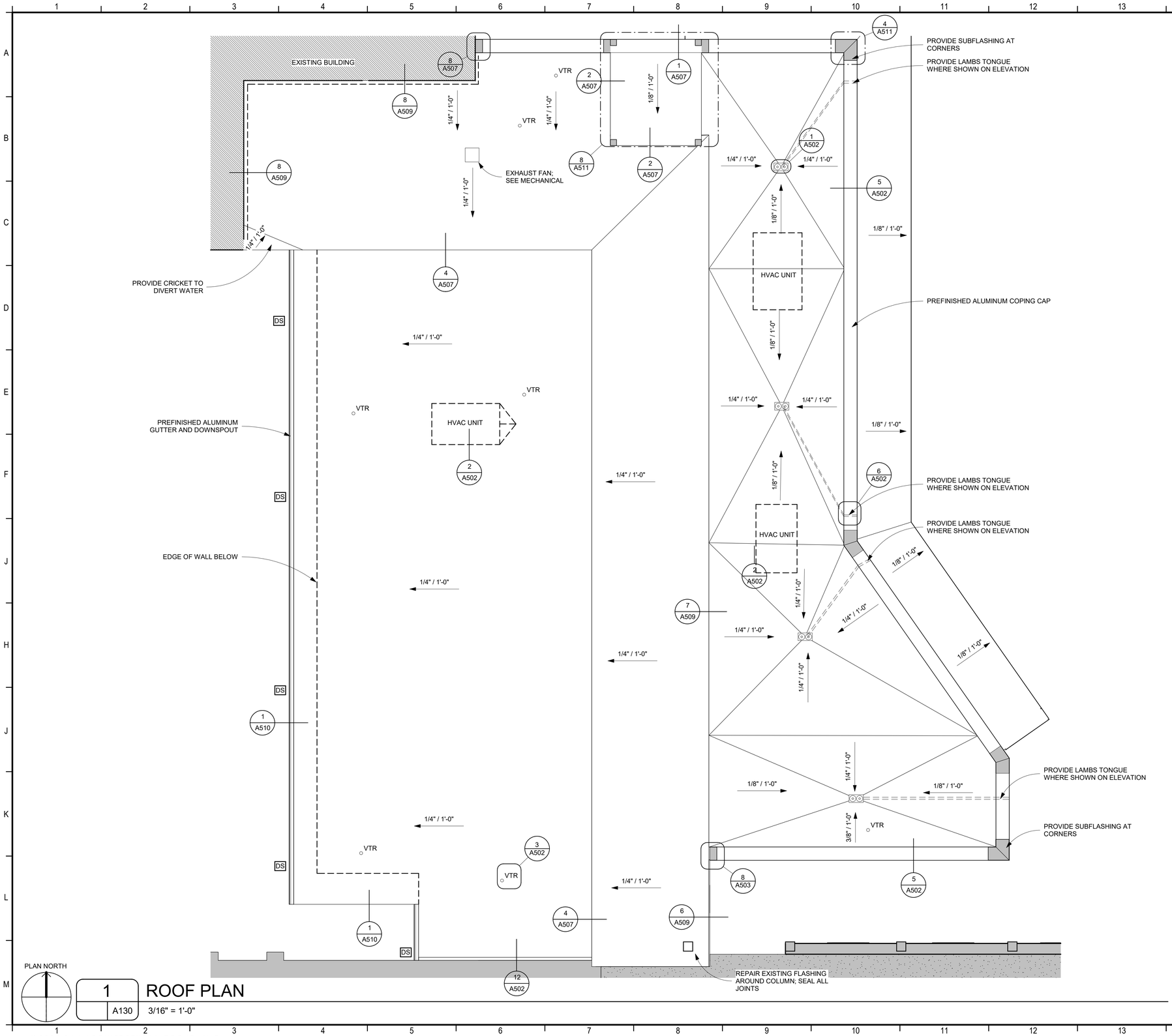
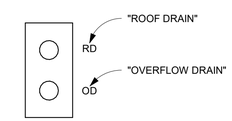


1 ROOF PLAN

A130 3/16" = 1'-0"

LEGEND

	EXISTING; NO WORK
DS	6" X 6" PREFINISHED ALUMINUM DOWNSPOUT; CONNECT TO UNDERGROUND STORM DRAINAGE; SEE CIVIL
VTR	VENT THRU ROOF; SEE PLUMBING
RD	ROOF DRAIN; SEE PLUMBING
OD	OVERFLOW DRAIN; SEE PLUMBING



2 ROOF DRAIN

A130 1 1/2" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
2. ALL ROOFING PRODUCT SHALL HAVE FLORIDA PRODUCT APPROVAL PRIOR TO BEING SUBMITTED FOR PERMIT PRIOR TO COMMENCING WORK.
3. SUBMIT COLOR SAMPLES TO ARCHITECT FOR APPROVAL
4. SOLAR REFLECTANCE INDEX SHALL BE PER FBC ENERGY CONSERVATION TABLE C402.3, SRF 0.55, & 3-YEAR AGED THERMAL RESISTANCE OF 0.75
5. ALL ROOF FASTENERS SHALL BE STAINLESS STEEL
6. ALL COPING CAP AND FLASHING SHALL BE AT A MINIMUM 0.040 THICK ALUMINUM
7. REFER TO STRUCTURAL DRAWINGS FOR WIND PRESSURES

4' 0 4' 8' 12'

SCALE: 3/16" = 1' - 0"

DO NOT SCALE DRAWINGS

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FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
ROOF PLAN

SHEET NUMBER:
A130

CONSTRUCTION DOCUMENTS

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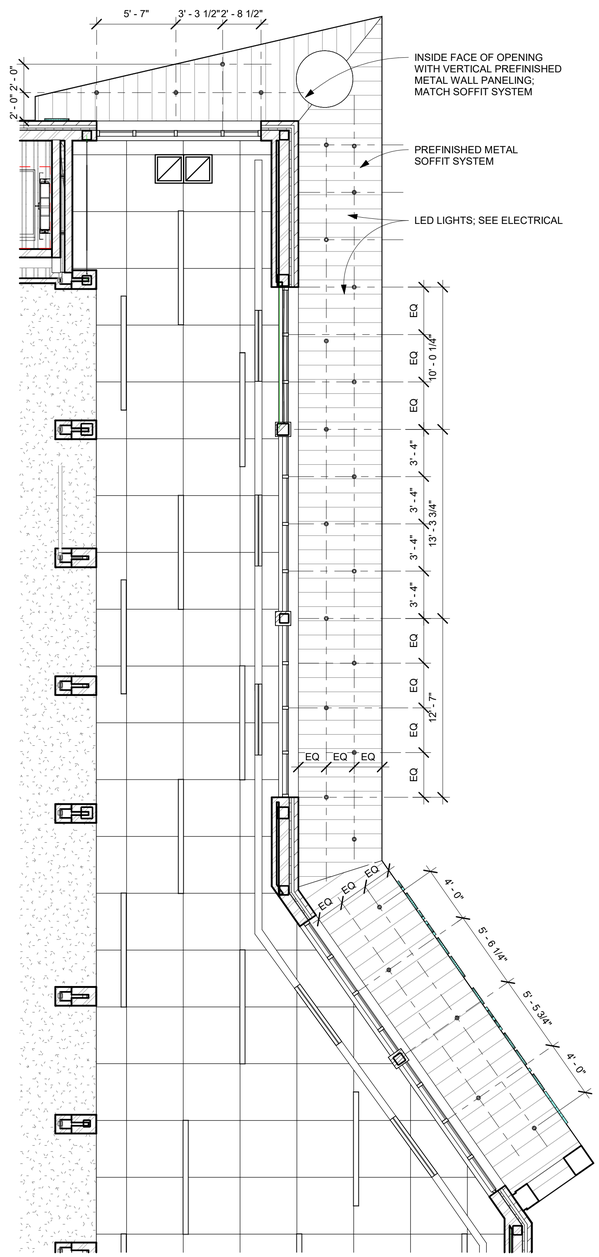
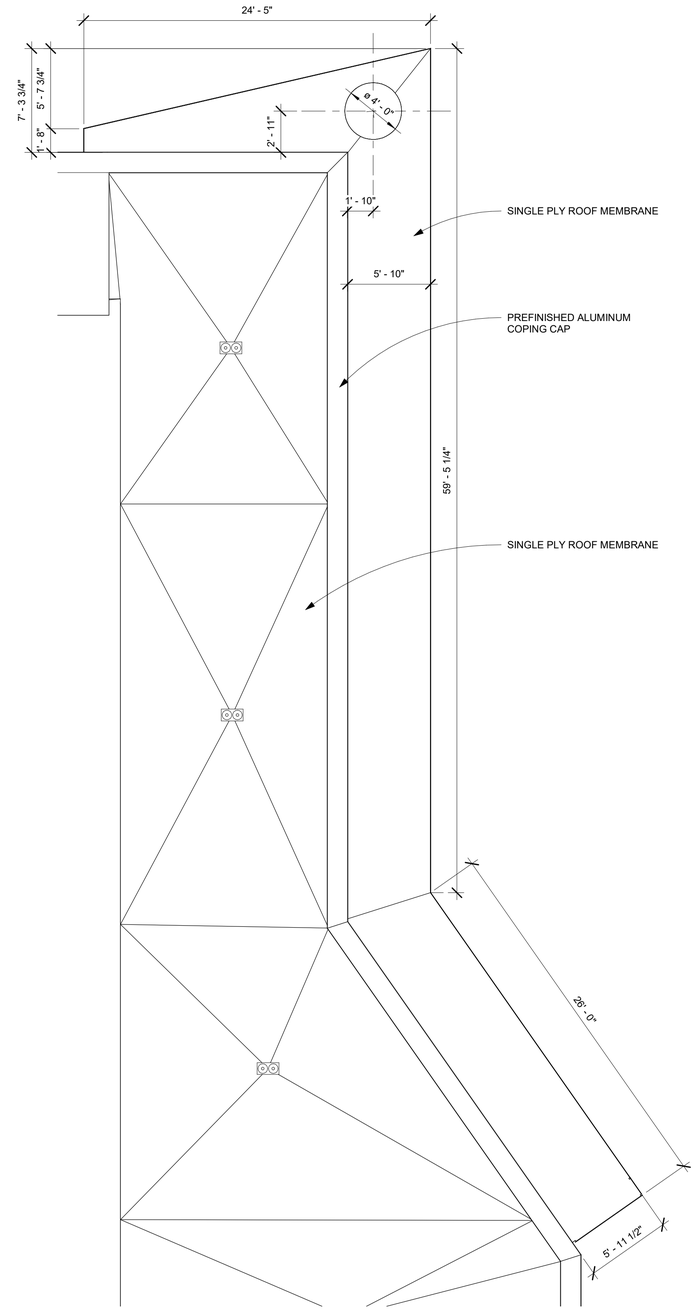


PLAN NORTH

2 | A201 | A131

RCP - CANOPY

3/16" = 1'-0"



PLAN NORTH

1 | A131

CANOPY PLAN

3/16" = 1'-0"

LEGEND

	EXISTING; NO WORK
DS	6" X 6" PREFINISHED ALUMINUM DOWNSPOUT; CONNECT TO UNDERGROUND STORM DRAINAGE; SEE CIVIL
VTR	VENT THRU ROOF; SEE PLUMBING
RD	ROOF DRAIN; SEE PLUMBING
OD	OVERFLOW DRAIN; SEE PLUMBING

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
2. ALL ROOFING PRODUCT SHALL HAVE FLORIDA PRODUCT APPROVAL PRIOR TO BEING SUBMITTED FOR PERMIT PRIOR TO COMMENCING WORK.
3. SUBMIT COLOR SAMPLES TO ARCHITECT FOR APPROVAL
4. SOLAR REFLECTANCE INDEX SHALL BE PER FBC ENERGY CONSERVATION TABLE C402.3, SRF 0.55, & 3-YEAR AGED THERMAL RESISTANCE OF 0.75
5. ALL ROOF FASTENERS SHALL BE STAINLESS STEEL
6. ALL COPING CAP AND FLASHING SHALL BE AT A MINIMUM 0.040 THICK ALUMINUM
7. REFER TO STRUCTURAL DRAWINGS FOR WIND PRESSURES

4' 0 4' 8' 12'

SCALE: 3/16" = 1' - 0"

DO NOT SCALE DRAWINGS

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FORT WALTON BEACH FLORIDA

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DIETER A. BORRELL
AR 97710 / ID 6462

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SHEET TITLE:
CANOPY PLAN

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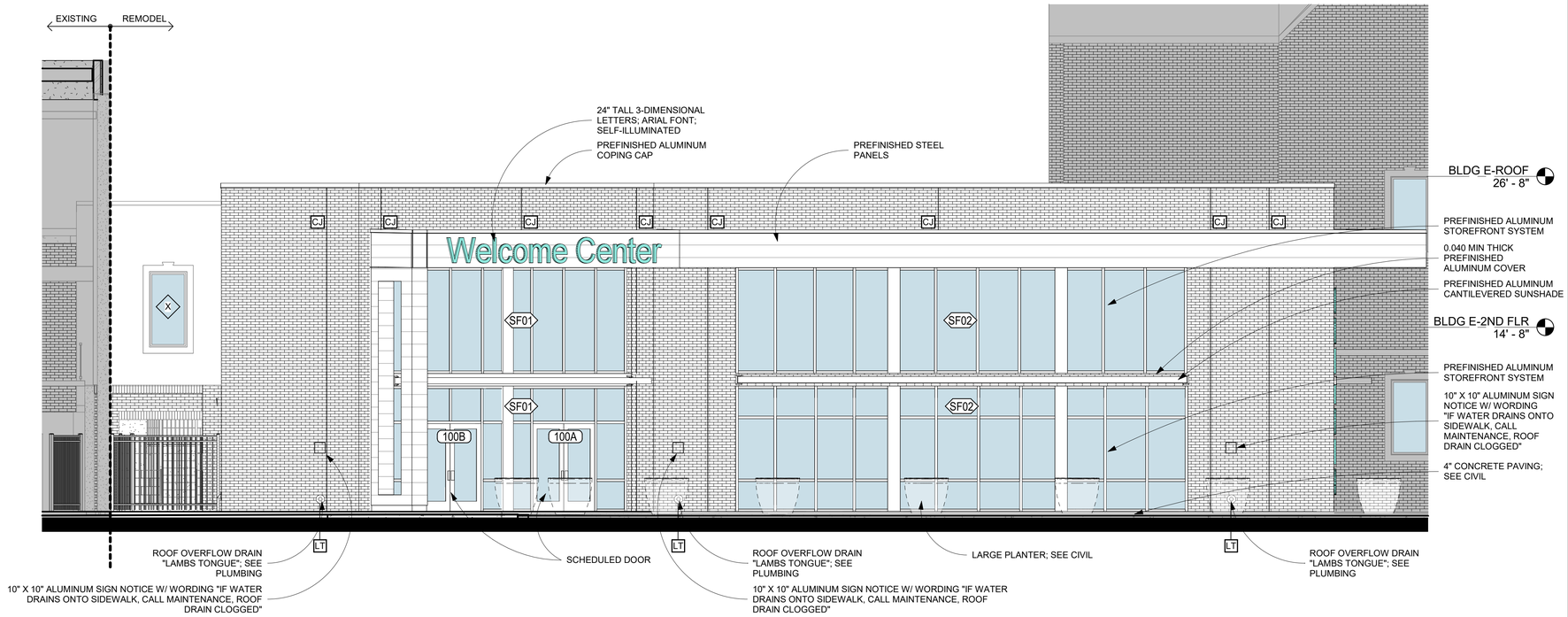
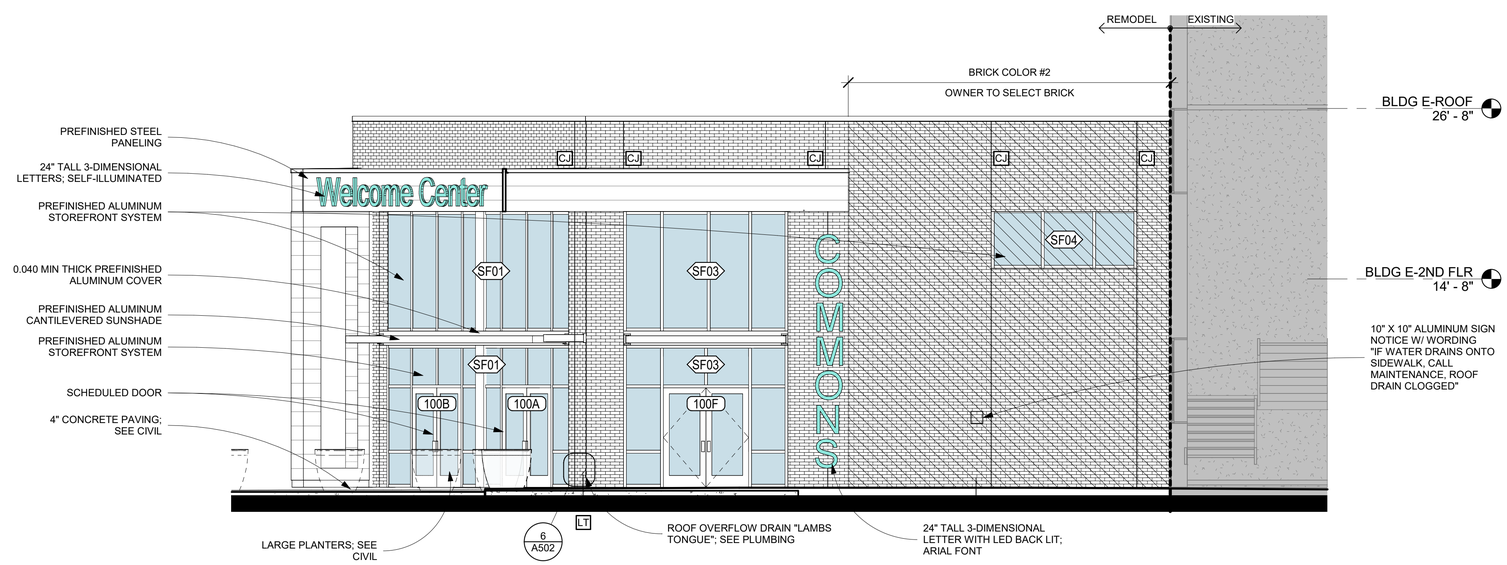


1 EAST ELEVATION

A101 | A200 — 3/16" = 1'-0"



2 NORTH ELEVATION

A101 | A200 — 3/16" = 1'-0"

LEGEND

- EXISTING BUILDING; NO WORK
- 4" NOM BRICK VENEER
- PREFINISHED ALUMINUM IMPACT RESISTANT STOREFRONT SYSTEM
- PREFINISHED STEEL PANELS
- DS — 6" X 6" PREFINISHED ALUMINUM DOWNSPOUT; CONNECT TO UNDERGROUND STORM DRAINAGE; SEE CIVIL
- LT — "LAMBS TONGUE" OVERFLOW ROOF DRAINAGE; SEE PLUMBING
- CJ — CONTROL JOINT

PLANTER INFO.

MANUF: PROTOGETIC
TYPE: RHINOGUARD SATURNO PLANTER
HEIGHT: 47.16 IN.
DIAMETER: 58.85 IN.

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
2. ALL EXTERIOR CLADDING SHALL MEET FLORIDA BUILDING CODES
3. CONTRACTOR SHALL SUBMIT FLORIDA PRODUCT APPROVAL TO ARCHITECT FOR REVIEW
4. CONTRACTOR SHALL PROTECT ALL EXISTING CONSTRUCTION; IF DAMAGED DURING CONSTRUCTION REPAIR OR REPLACE AS NEEDED
5. ALL BRICK WEEPS SHALL BE OPEN HEAD JOINT WEEPS AT 24" O.C. **(NO TUBE OR WICK WEEPS ALLOWED)**
6. ALL BRICK VENTS SHALL BE AT 48" O.C.
7. CONTRACTOR SHALL FOLLOW BRICK INSTITUTE OF AMERICA TECHNICAL NOTES FOR BRICK INSTALLATION, FLASHING AND ANCHORING AND FLORIDA BUILDING CODE CHAPTER 21

4' 0 4' 8' 12'
SCALE: 3/16" = 1' - 0"

DO NOT SCALE DRAWINGS

B&A Architectural Group Inc.
3298 SUMMIT BLVD, SUITE 22G2
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(850) 361-2983
BAARCHITECTURALGROUPINC.COM
License No: AR 97710

PROJECT ISSUES:

CONCEPT SKETCHES	2025-05-05
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PROJECT TEAM:

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LJA ENGINEERING
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B&A ARCHITECTURAL GROUP
INTERIOR DESIGNER
B&A ARCHITECTURAL GROUP
STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
EXTERIOR ELEVATION

SHEET NUMBER:
A200

CONSTRUCTION DOCUMENTS

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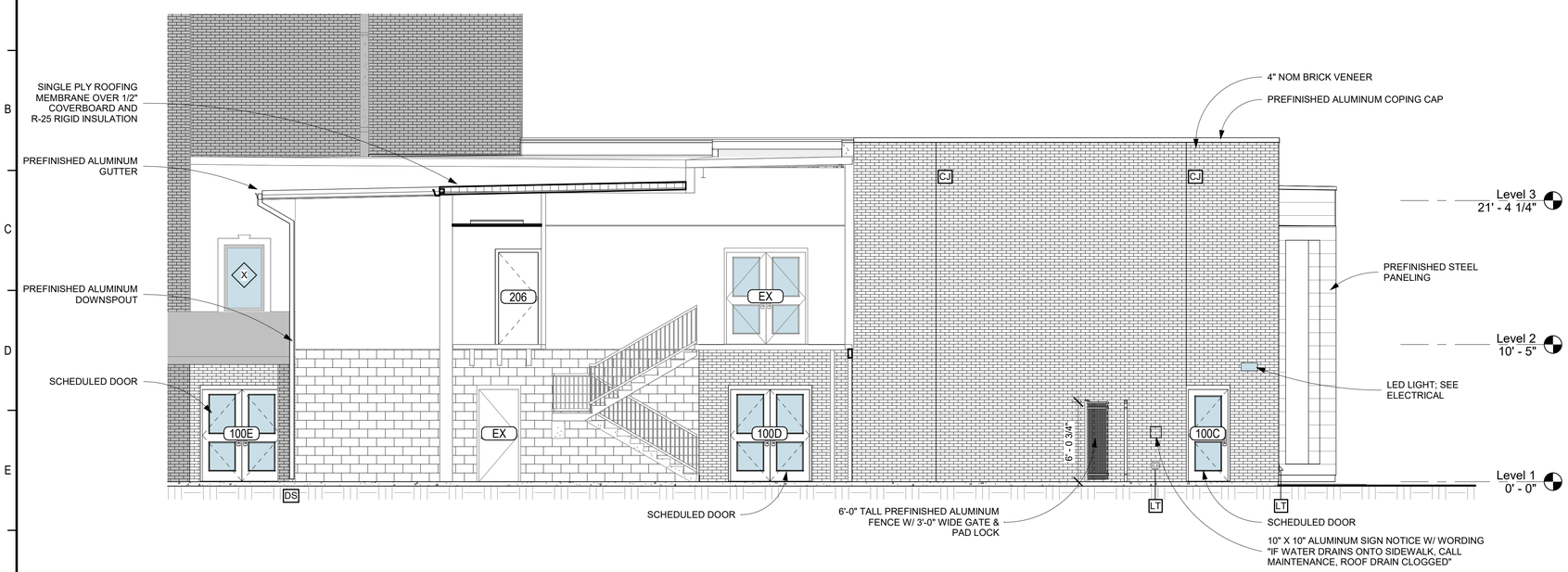
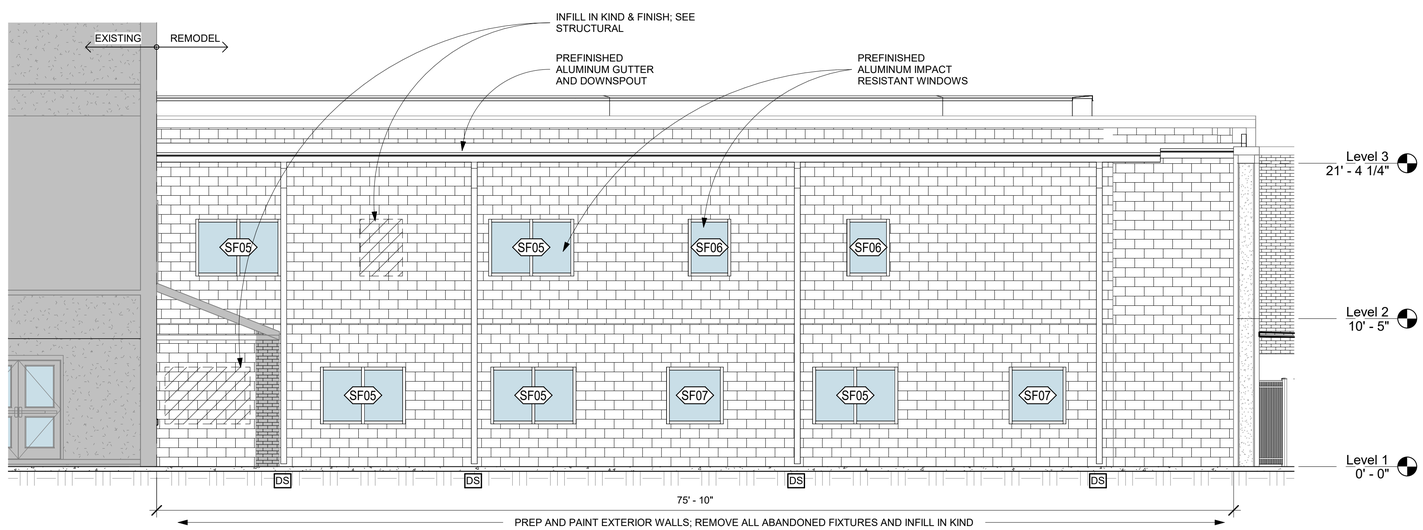


1 SOUTH ELEVATION

A201 3/16" = 1'-0"



2 WEST ELEVATION

A201 3/16" = 1'-0"

LEGEND

- EXISTING BUILDING; NO WORK
- 4" NOM BRICK VENEER
- EXISTING CMU
- PREFINISHED ALUMINUM IMPACT RESISTANT STOREFRONT SYSTEM
- PREFINISHED STEEL PANELS
- DS — 6" X 6" PREFINISHED ALUMINUM DOWNSPOUT; CONNECT TO UNDERGROUND STORM DRAINAGE; SEE CIVIL
- LT — "LAMBS TONGUE" OVERFLOW ROOF DRAINAGE; SEE PLUMBING
- CJ — CONTROL JOINT

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
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4' 0 4' 8' 12'

SCALE: 3/16" = 1' - 0"

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PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
EXTERIOR ELEVATION

SHEET NUMBER:
A201

CONSTRUCTION DOCUMENTS

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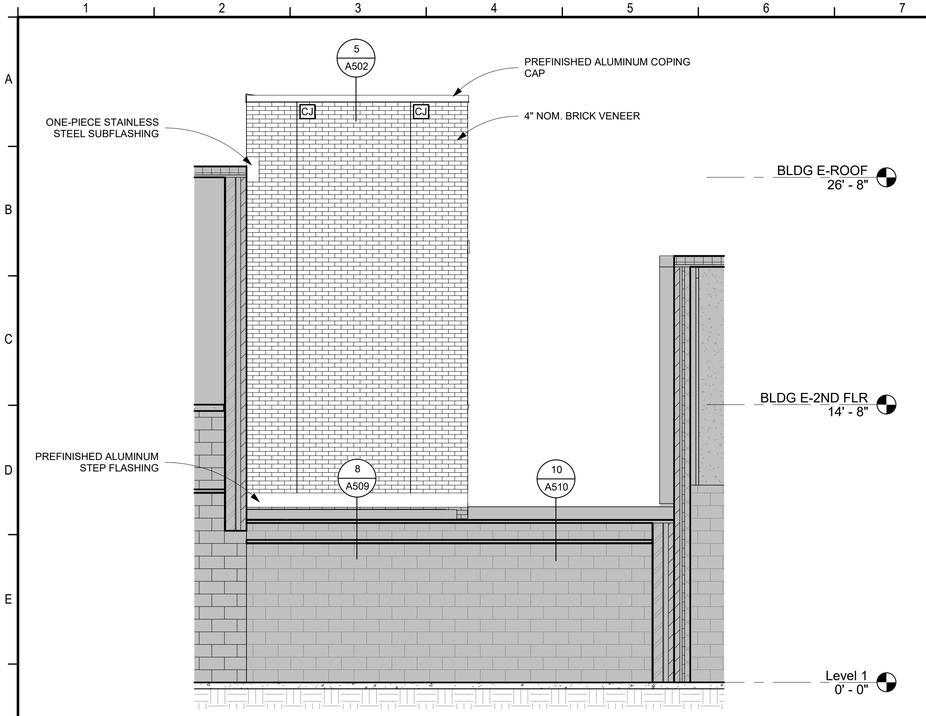
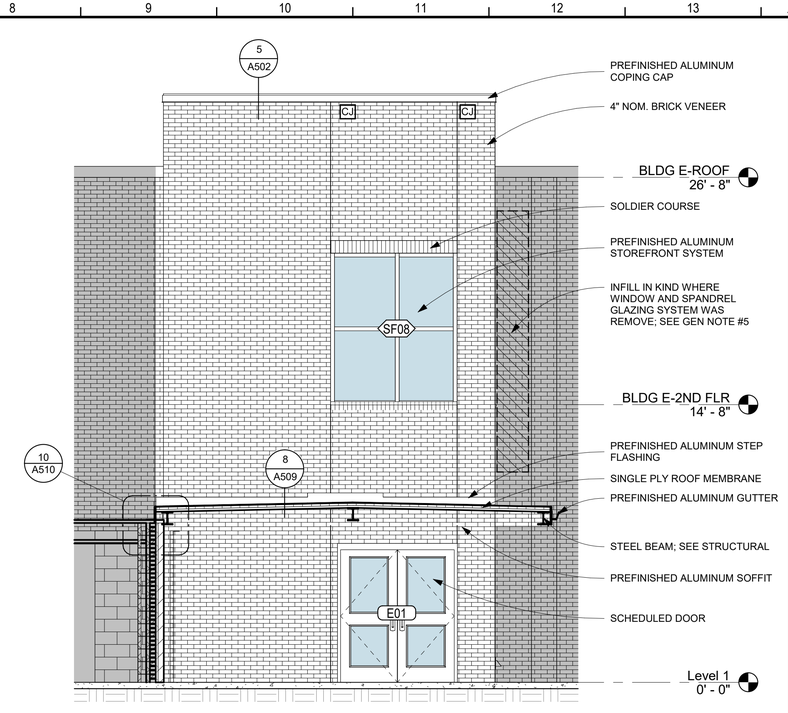


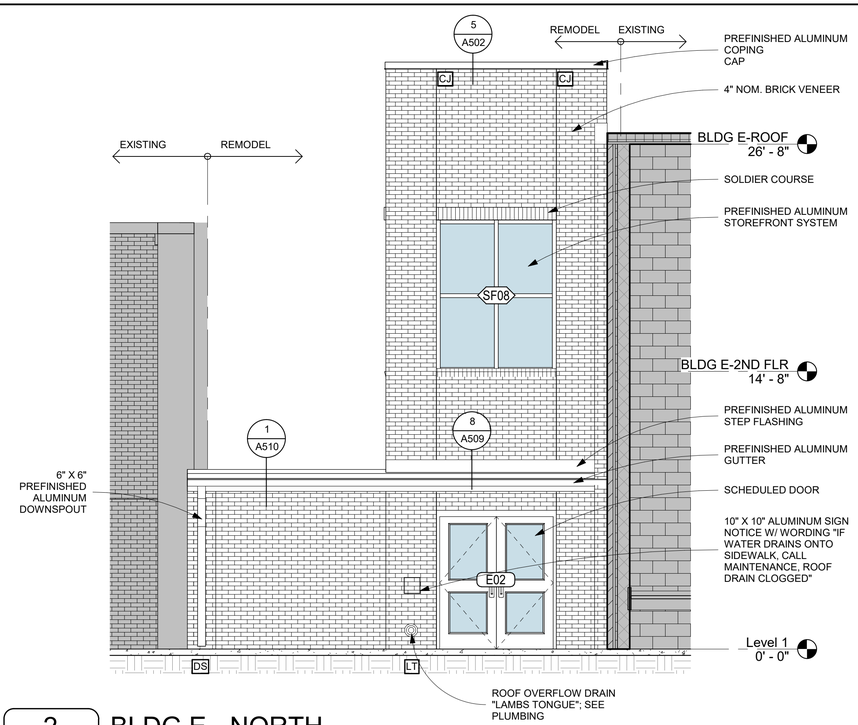
3 BLDG E - SOUTH

A409 | A202 | 1/4" = 1'-0"



1 BLDG E - EAST

A409 | A202 | 1/4" = 1'-0"



2 BLDG E - NORTH

A409 | A202 | 1/4" = 1'-0"

LEGEND

- EXISTING BUILDING; NO WORK
- 4" NOM BRICK VENEER
- EXISTING CMU
- PREFINISHED ALUMINUM IMPACT RESISTANT STOREFRONT SYSTEM
- DS — 6" X 6" PREFINISHED ALUMINUM DOWNSPOUT CONNECT UNDERGROUND STORM DRAIN; SEE CIVIL
- LT — "LAMBS TONGUE" OVERFLOW ROOF DRAINAGE; SEE PLUMBING
- CJ — CONTROL JOINT

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
2. ALL EXTERIOR CLADDING SHALL MEET FLORIDA BUILDING CODES
3. CONTRACTOR SHALL SUBMIT FLORIDA PRODUCT APPROVAL TO ARCHITECT FOR REVIEW
4. CONTRACTOR SHALL PROTECT ALL EXISTING CONSTRUCTION; IF DAMAGED DURING CONSTRUCTION REPAIR OR REPLACE AS NEEDED
5. WHERE SPANDREL GLAZING AND WINDOW REMOVED IN BUILDING E; REUSE SALVAGED BRICK FROM NEW OPENING PROVIDED ON 2ND FLOOR

4' 0 4' 8'

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

DO NOT SCALE DRAWINGS

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ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
EXTERIOR ELEVATION - BLDG E

SHEET NUMBER:
A202

CONSTRUCTION DOCUMENTS

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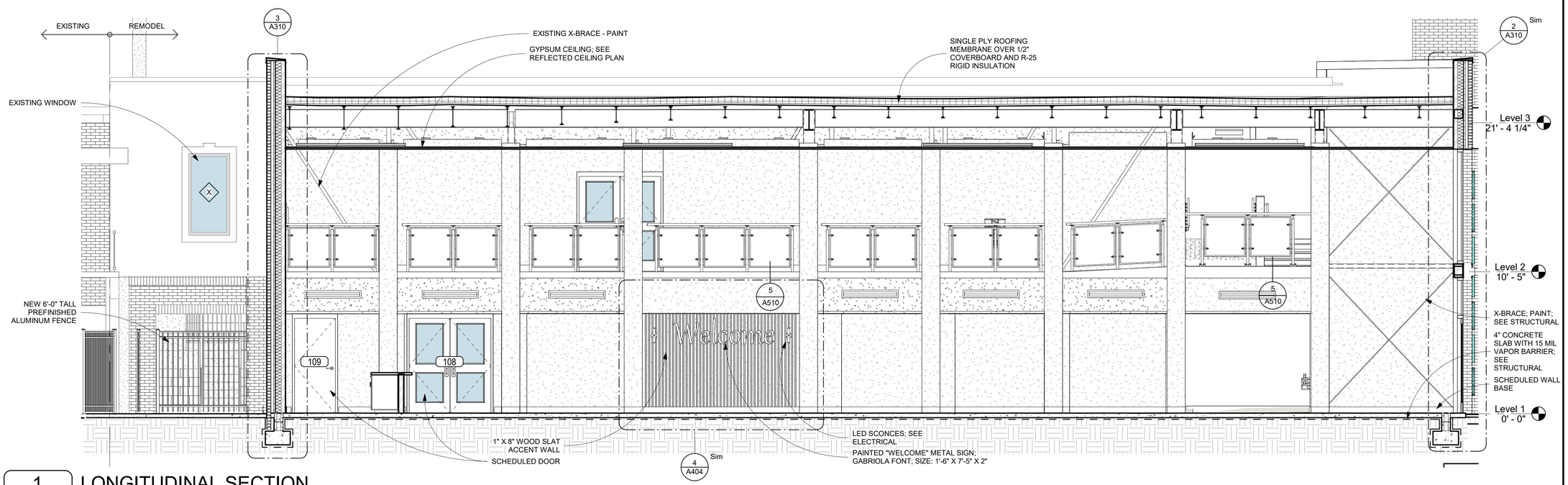
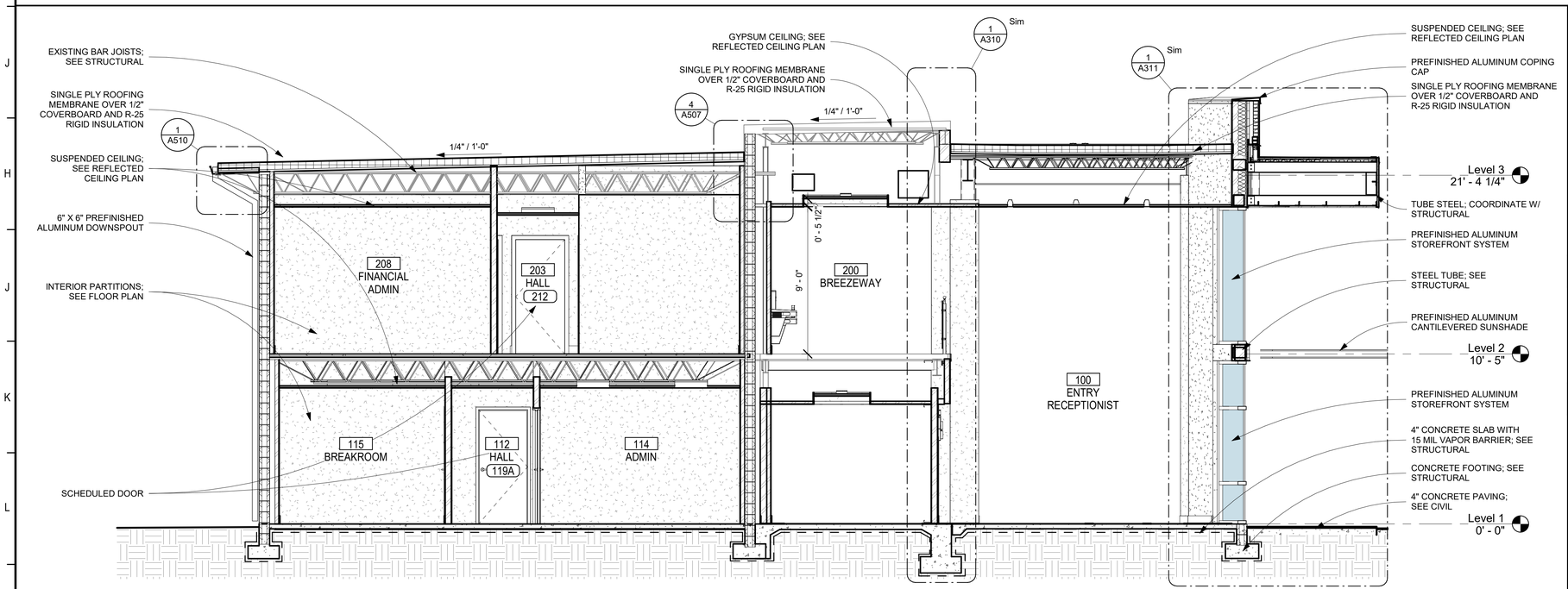


1 LONGITUDINAL SECTION

A101 | A300 — 1/4" = 1'-0"



2 CROSS SECTION

A101 | A300 — 1/4" = 1'-0"

SLAT PANEL INFO.

MANUF: ARMSTRONG WORLD INDUSTRIES
STYLE: WOODWORKS GRILLE - FORTE FOR WALLS
MODEL: 7263BOGBG

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
2. CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO COMMENCING WORK
3. REFER TO MECHANICAL, ELECTRICAL, & PLUMBING FOR ADDITIONAL INFORMATION

4' 0 4' 8'
SCALE: 1/4" = 1' - 0"

DO NOT SCALE DRAWINGS

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FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
BUILDING SECTIONS

SHEET NUMBER:
A300

CONSTRUCTION DOCUMENTS

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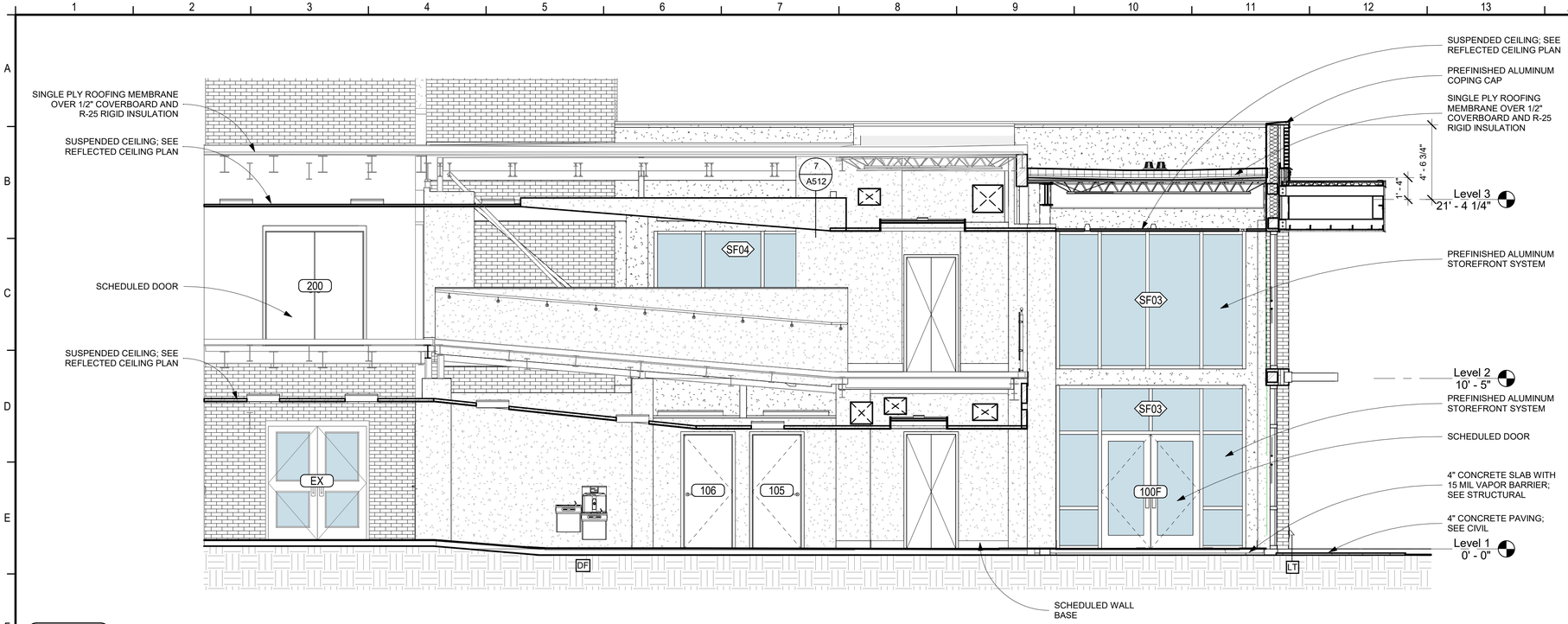

1 | A101 | A301

CROSS SECTION THRU RAMP

1/4" = 1'-0"

LEGEND

- EXISTING BUILDING; NO WORK
- 4" NOM BRICK VENEER
- EXISTING CMU
- PREFINISHED ALUMINUM IMPACT RESISTANT STOREFRONT SYSTEM
- LT — "LAMBS TONGUE" OVERFLOW ROOF DRAINAGE; SEE PLUMBING
- CJ — CONTROL JOINT
- DF — DRINKING FOUNTAIN; SEE PLUMBING

GENERAL NOTES

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4' 0 4' 8'

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

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DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
BUILDING SECTIONS

SHEET NUMBER:
A301

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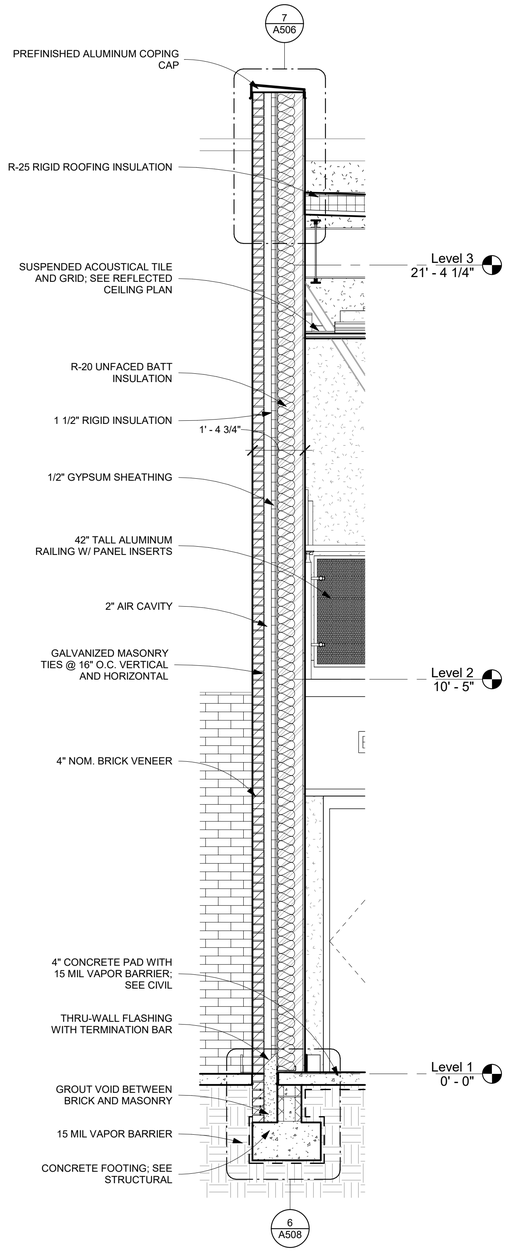
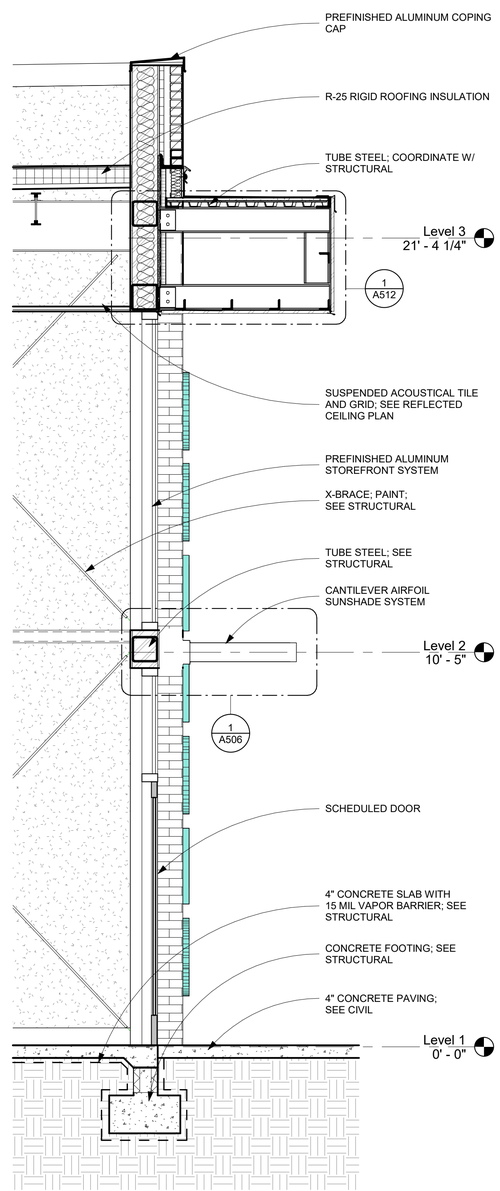


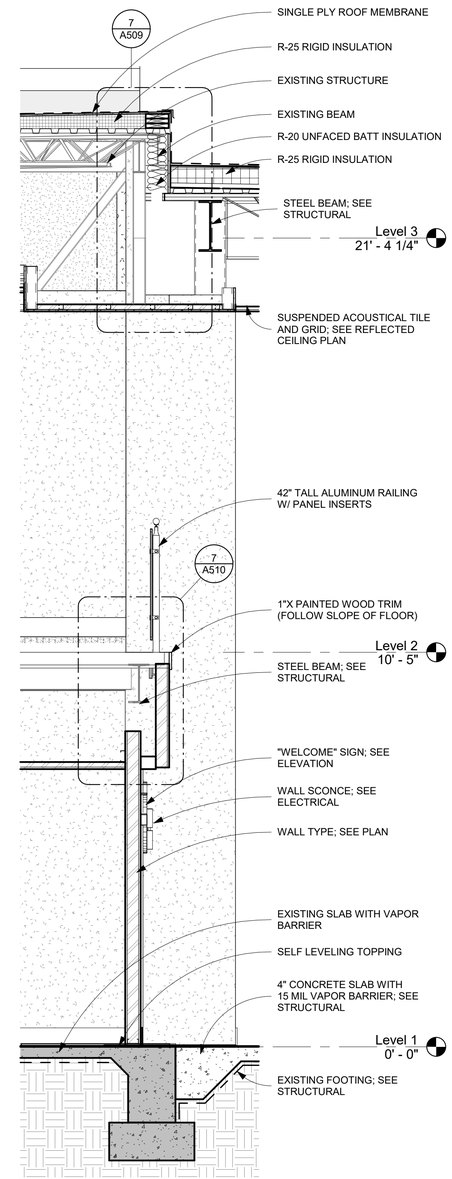
3 TYPICAL WALL SECTION

A310 1/2" = 1'-0"



2 WALL SECTION

A310 1/2" = 1'-0"



1 BREEZEWAY WALL SECTION

A310 1/2" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
2. ALL EXTERIOR CLADDING SHALL MEET FLORIDA BUILDING CODES
3. CONTRACTOR SHALL SUBMIT FLORIDA PRODUCT APPROVAL TO ARCHITECT FOR REVIEW

1' 0 1' 2'

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

DO NOT SCALE DRAWINGS

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PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:
A310

CONSTRUCTION DOCUMENTS

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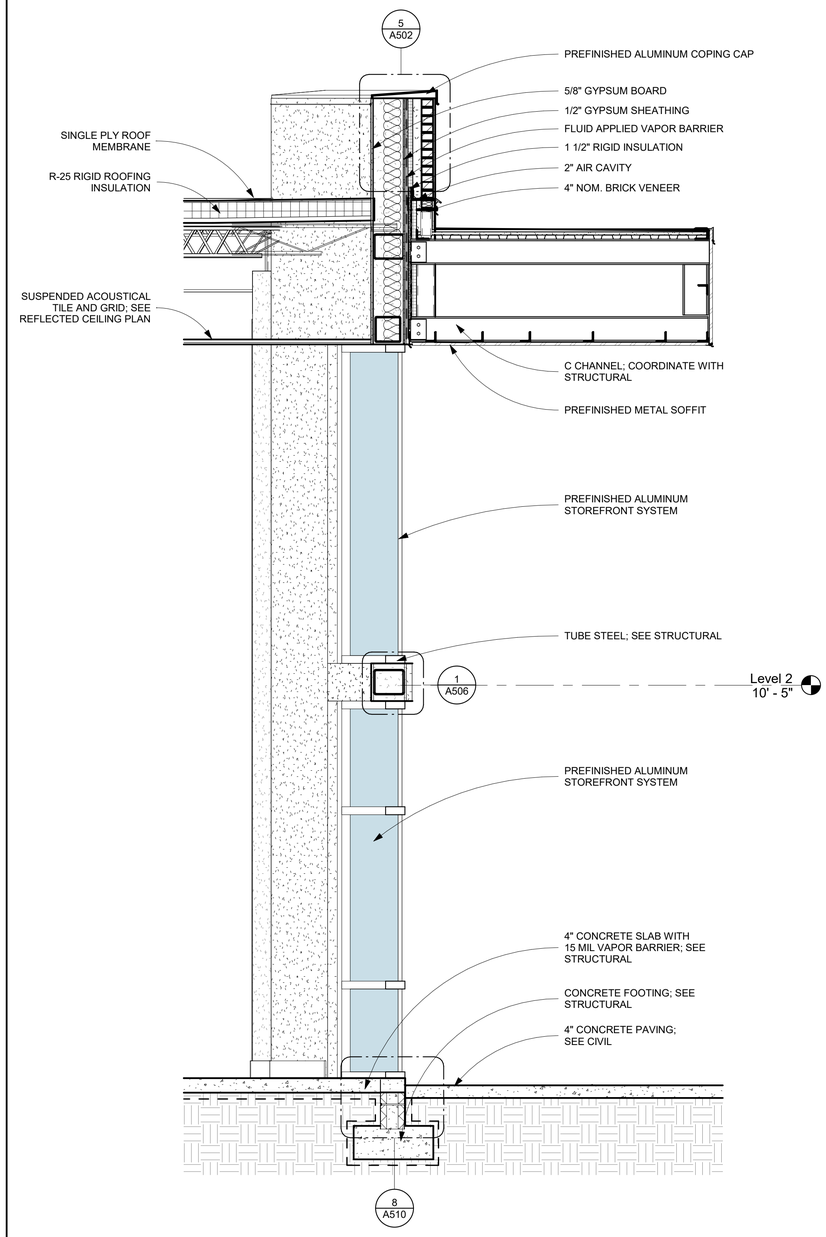

1 | A311 ENTRY WALL SECTION

1/2" = 1'-0"

GENERAL NOTES

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1' 0 1' 2'

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

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FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:
A311

CONSTRUCTION DOCUMENTS

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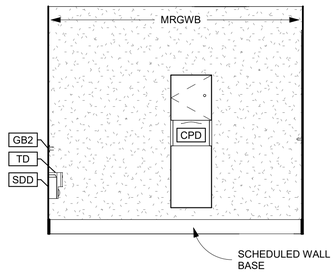
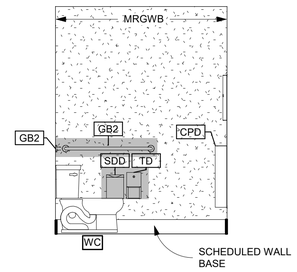
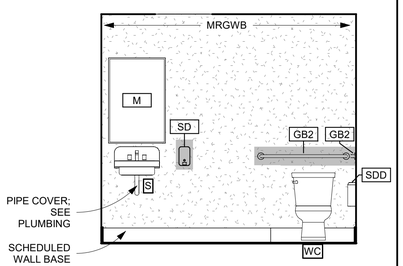


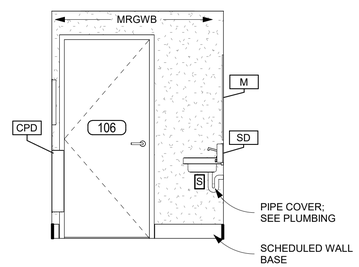
3 ADA TLT EAST
A400 — 3/8" = 1'-0"



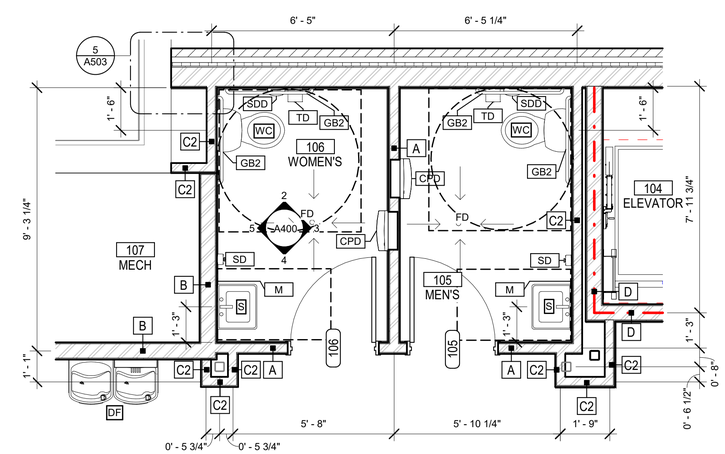
2 ADA TLT NORTH
A400 — 3/8" = 1'-0"



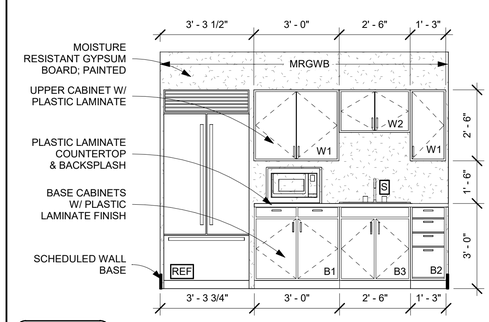
5 ADA TLT WEST
A400 — 3/8" = 1'-0"



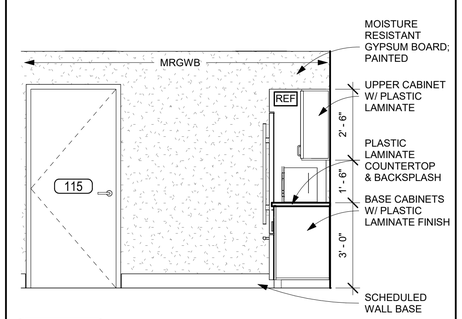
4 ADA TLT SOUTH
A400 — 3/8" = 1'-0"



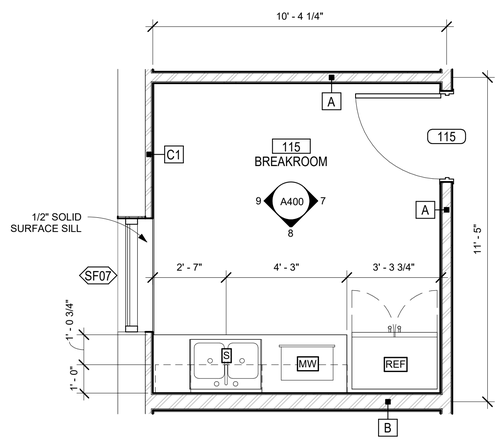
1 ENLARGED ADA BATHROOMS
A400 — 3/8" = 1'-0"



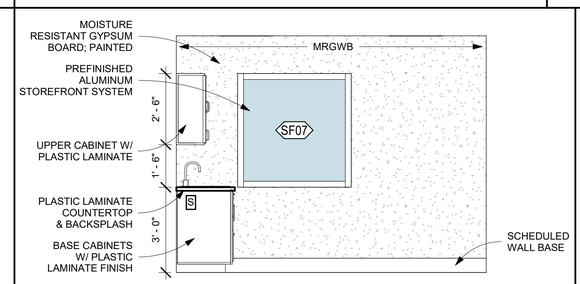
8 KITCHENETTE SOUTH
A400 — 3/8" = 1'-0"



7 KITCHENETTE EAST
A400 — 3/8" = 1'-0"



6 ENLARGED KITCHENETTE
A400 — 3/8" = 1'-0"



9 KITCHENETTE WEST
A400 — 3/8" = 1'-0"

ACCESSORY SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
	<varies>	<varies>	<varies>	
CPD	COMBINATION PAPER TOWEL DISPENSER	BOBRICK	B-43944	1
GB1	42 INCH GRAB BAR	KOHLER	K-10545-S	1
GB2	36 INCH GRAB BAR	KOHLER	K-10544-S	1
M	MIRROR WITH FRAME	BOBRICK	B-165 2436	1
SD	WALL MOUNT SOAP DISPENSER	Bobrick	B-2111	1
SDD	SANITARY NAPKIN DISPOSAL	HOSPECO	HS-6140W	1
TD	TOILET TISSUE DISPENSER	BAYWEST	BW 80300	1

LEGEND

- DARK LINES DENOTES NEW WALL ASSEMBLY
- DF — DRINKING FOUNTAIN; SEE PLUMBING
- MOISTURE RESISTANT GYPSUM BOARD
- S — SINK; SEE PLUMBING
- WC — WATER CLOSET; SEE PLUMBING
- FD — FLOOR DRAIN; SEE PLUMBING
- BLOCKING IN WALL
- REF — REFRIGERATOR; OFCI
- MW — MICROWAVE; OFCI

REMARKS

1. MOUNT ALL ACCESSORIES PER MANUFACTURER'S ADA COMPLIANCE RECOMMENDATIONS

GENERAL NOTES

1. ALL INTERIOR FINISHES TO BE COORDINATED WITH OWNER
2. FOLLOW ALL MANUFACTURER'S INSTRUCTIONS FOR PREPPING AND PAINTING ALL SURFACES
3. MATCH EXISTING TEXTURE OF WALLS IN EXISTING AREAS
4. PROVIDE LEVEL 5 FINISH, SMOOTH SURFACES AT ALL NEW GYPSUM ASSEMBLIES
5. ENSURE THAT ALL FLOOR SURFACES ARE LEVEL AND PLUMB PRIOR TO INSTALLATION OF ALL FLOOR FINISHES
6. PROVIDE BLOCKING AT ALL INTERIOR WALLS WHERE WALL MOUNTED ACCESSORIES OR OBJECTS. COORDINATE WITH OWNER FOR ADDITIONAL LOCATIONS
7. SUBMIT OWNER WITH ALL PRODUCT WARRANTIES AND INSTRUCTION MANUALS
8. COORDINATE WITH OWNER ALL PLASTIC LAMINATE SURFACES PRIOR TO PURCHASING AND BIDDING CASEWORK
9. SHADED AREA ON ELEVATIONS DENOTES BLOCKING TO SUPPORT WALL MOUNTED OBJECTS
10. ACCESSORY SCHEDULE SHOW BASIS OF DESIGN ALTERNATIVE PRODUCTS MAY BE USED

8' 0 8' 16'
SCALE: 3/8" = 1' - 0"

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PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
ENLARGED PLANS/ ELEVATIONS

SHEET NUMBER:
A400

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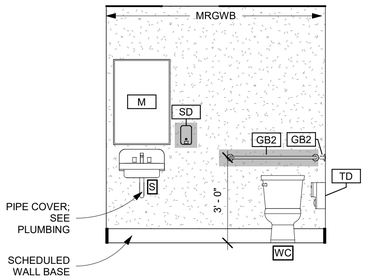
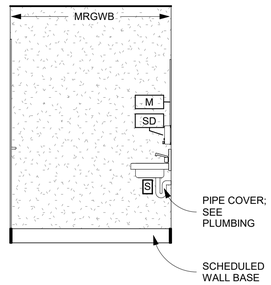


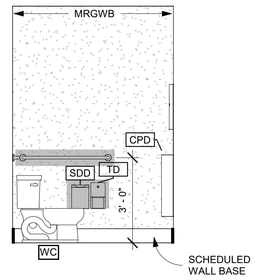
13 110 TLT - EAST

A401 3/8" = 1'-0"



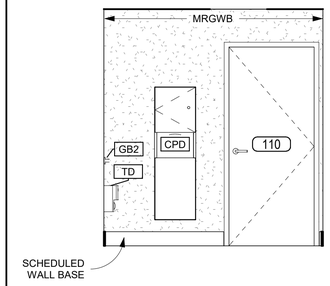
10 110 TLT - NORTH

A401 3/8" = 1'-0"



7 110 TLT - SOUTH

A401 3/8" = 1'-0"



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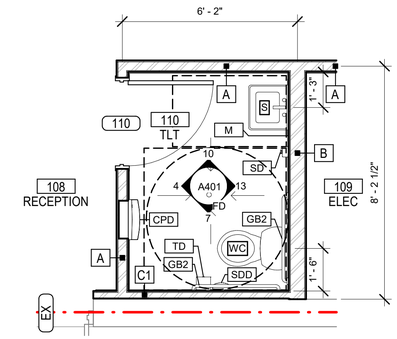
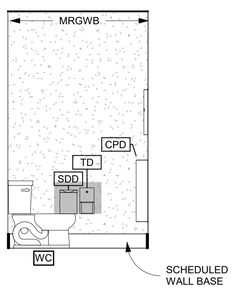


1 ENLARGED 110 TLT

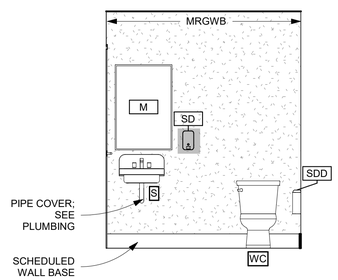
A401 3/8" = 1'-0"

NOTE: REFER TO SHEET A400 FOR ACCESSORY SHEDULE



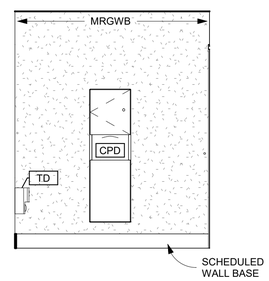
14 120 TLT - EAST

A401 3/8" = 1'-0"



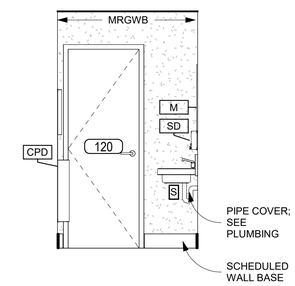
11 120 TLT - NORTH

A401 3/8" = 1'-0"



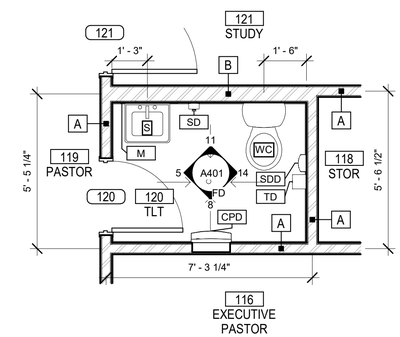
8 120 TLT - SOUTH

A401 3/8" = 1'-0"



5 120 TLT - WEST

A401 3/8" = 1'-0"



2 ENLARGED 120 TLT

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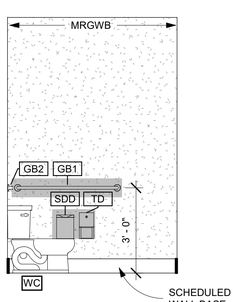
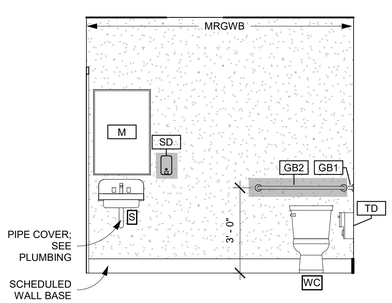
NOTE: REFER TO SHEET A400 FOR ACCESSORY SHEDULE



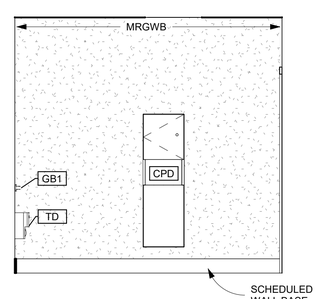
15 213 TLT - EAST

A401 3/8" = 1'-0"



12 213 TLT - NORTH

A401 3/8" = 1'-0"



9 213 TLT - SOUTH

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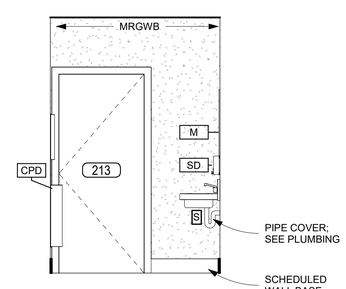
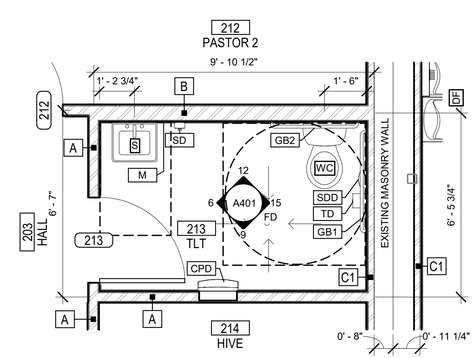


6 213 TLT - WEST

A401 3/8" = 1'-0"



3 ENLARGED 213 TLT

A401 3/8" = 1'-0"

NOTE: REFER TO SHEET A400 FOR ACCESSORY SHEDULE

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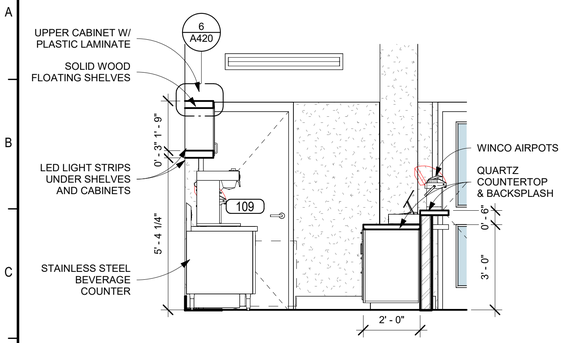
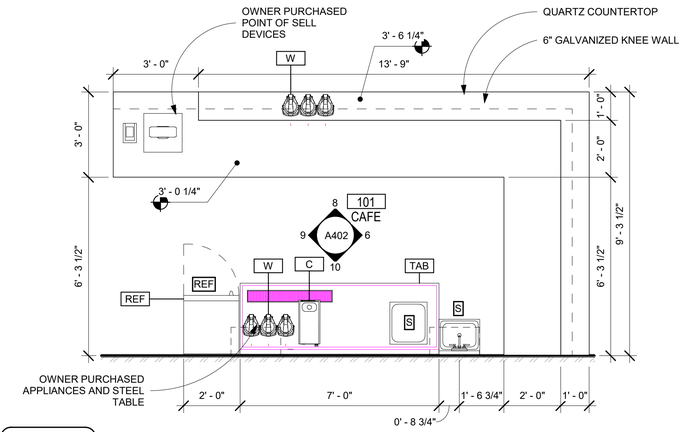


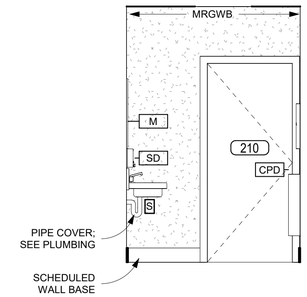
9 CAFE - WEST

A402 3/8" = 1'-0"



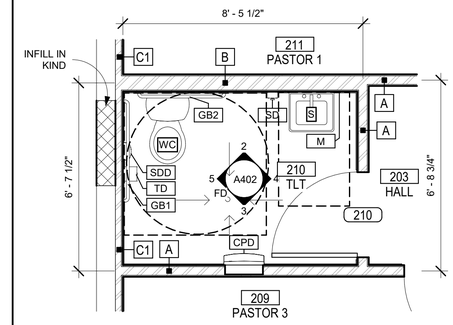
7 ENLARGED CAFE

A402 3/8" = 1'-0"



4 210 TLT - EAST

A402 3/8" = 1'-0"



1 ENLARGED 210 TLT

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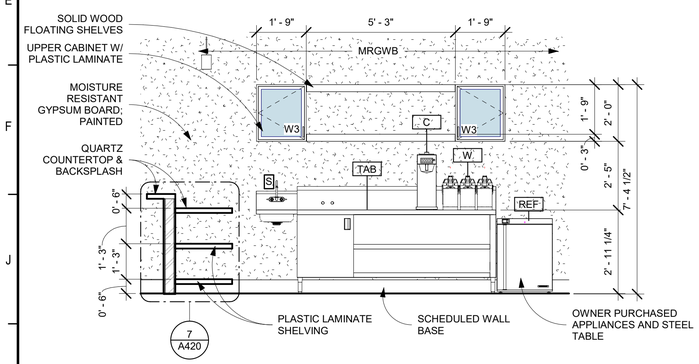

10 CAFE - SOUTH

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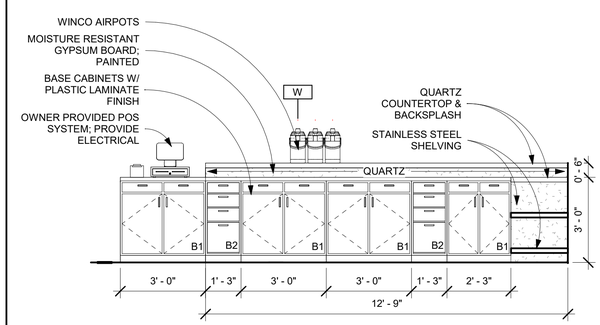
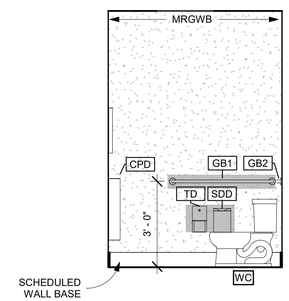


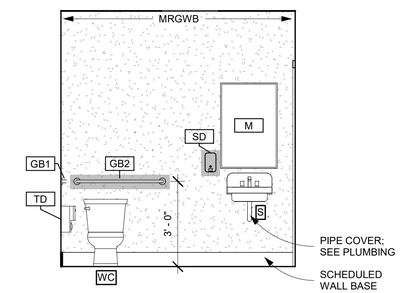
8 CAFE - NORTH

A402 3/8" = 1'-0"



5 210 TLT - WEST

A402 3/8" = 1'-0"



2 210 TLT - NORTH

A402 3/8" = 1'-0"

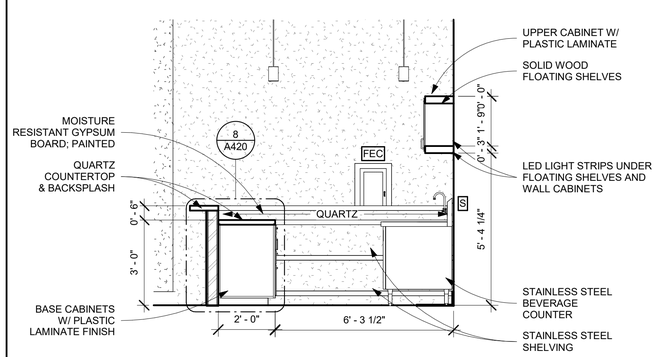
ACCESSORY SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
	<varies>	<varies>	<varies>	
CPD	COMBINATION PAPER TOWEL DISPENSER	BOBRICK	B-43944	1
GB1	42 INCH GRAB BAR	KOHLER	K-10545-S	1
GB2	36 INCH GRAB BAR	KOHLER	K-10544-S	1
M	MIRROR WITH FRAME	BOBRICK	B-165 2436	1
SD	WALL MOUNT SOAP DISPENSER	Bobrick	B-2111	1
SDD	SANITARY NAPKIN DISPOSAL	HOSPECO	HS-6140W	1
TD	TOILET TISSUE DISPENSER	BAYWEST	BW 80300	1

REMARKS:
1. MOUNT ALL ACCESSORIES PER ADA COMPLIANCE

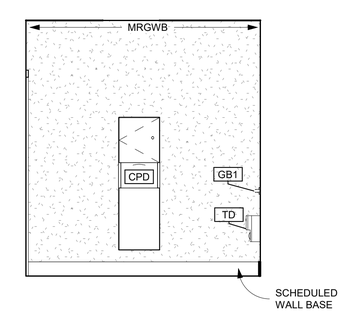
LEGEND

- EXISTING WALLS / BUILDING
- DARK LINES DENOTES NEW WALL ASSEMBLY
- DF — DRINKING FOUNTAIN; SEE PLUMBING
- S — SINK; SEE PLUMBING
- KB — KNOCK BOX - COORDINATE WITH FIRE MARSHAL
- FEC — SEMI-RECESSED FIRE EXTINGUISHER OR HUNG EXTINGUISHER
- DS — 6" X 6" PREFINISHED ALUMINUM DOWNSPOUT CONNECT TO UNDERGROUND STORM DRAINAGE; SEE CIVIL
- LT — ROOF OVERFLOW DRAIN "LAMBS TONGUE"; PROVIDE SIGNAGE AS NOTED ON EXTERIOR ELEVAIONS
- TAB — STAINLESS STEEL TABLE WITH SINK; OFCI
- C — COFFER MAKER; OFCI
- W — TEA DISPENCER; OFCI
- REF — UNDERCOUNTER REFRIGERATOR; OFCI



6 CAFE - EAST

A402 3/8" = 1'-0"



3 210 TLT - SOUTH

A402 3/8" = 1'-0"

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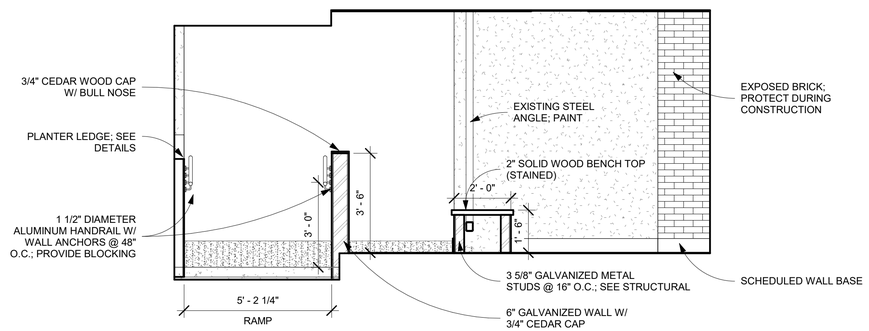

3 PRAYER AREA WEST

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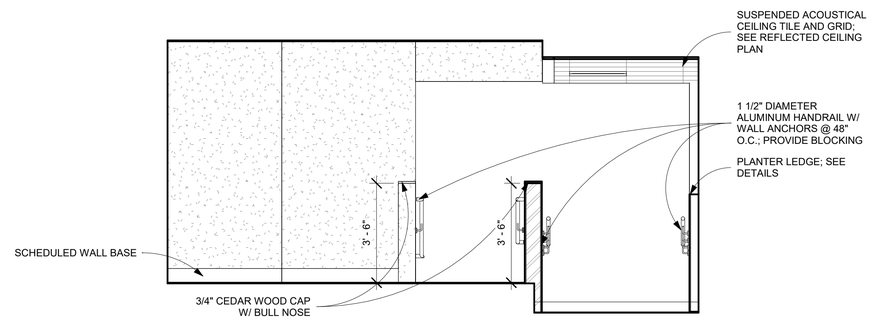

4 PRAYER AREA EAST

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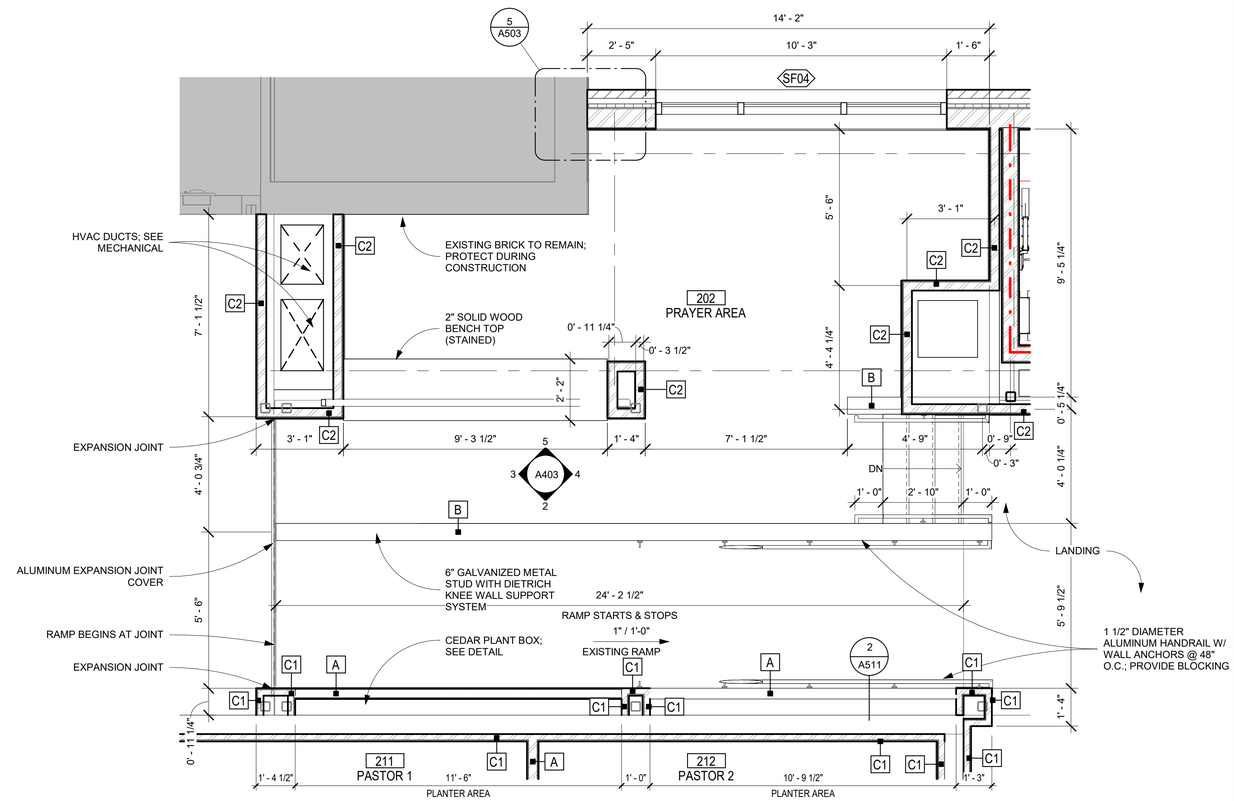
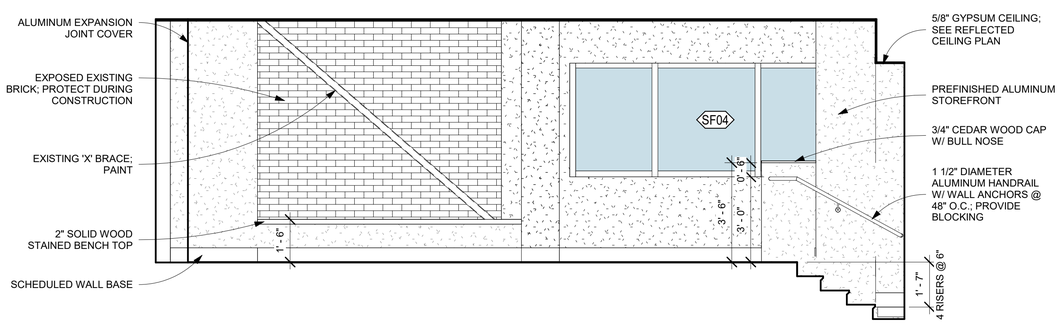


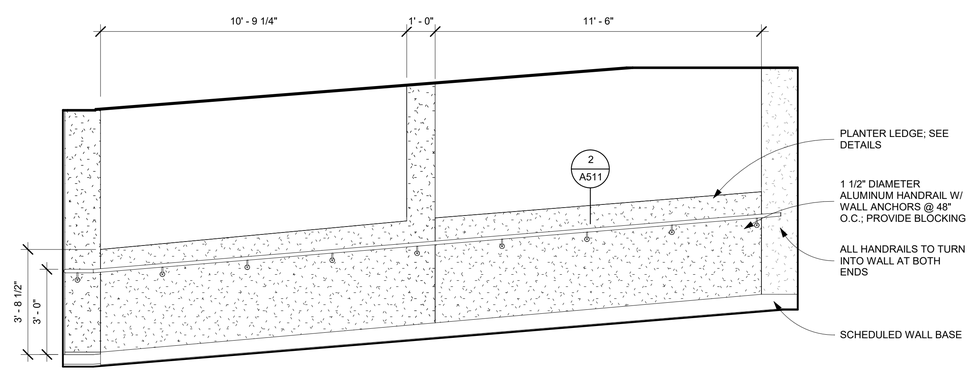
1 ENLARGED PRAYER AREA

A403 3/8" = 1'-0"



5 PRAYER AREA NORTH

A403 3/8" = 1'-0"



2 PRAYER AREA SOUTH

A403 3/8" = 1'-0"

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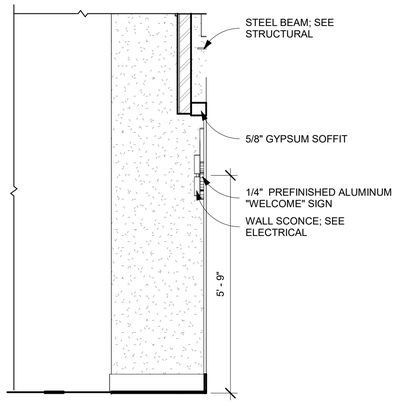
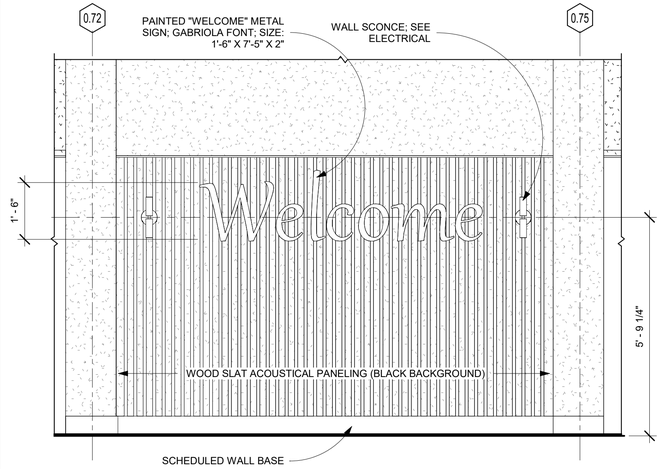
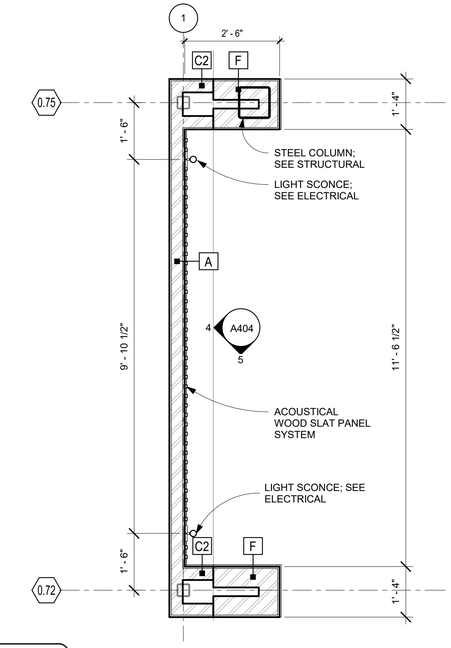


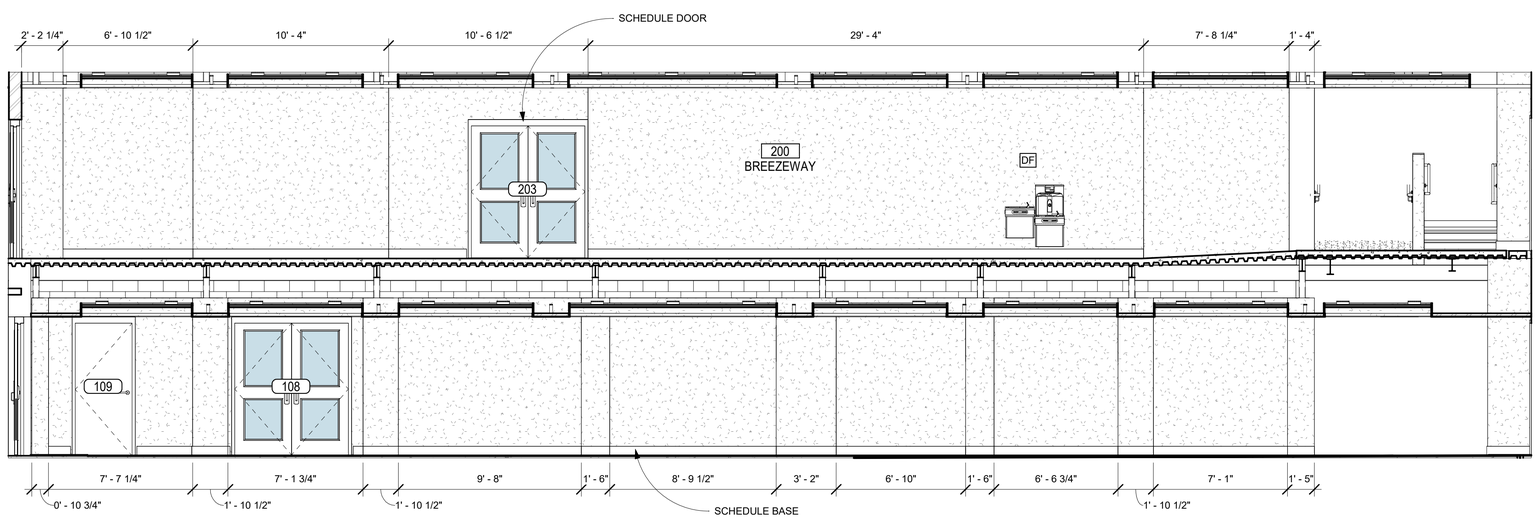
5 | A404 — ENTRY RECEPTION SOUTH
1/2" = 1'-0"



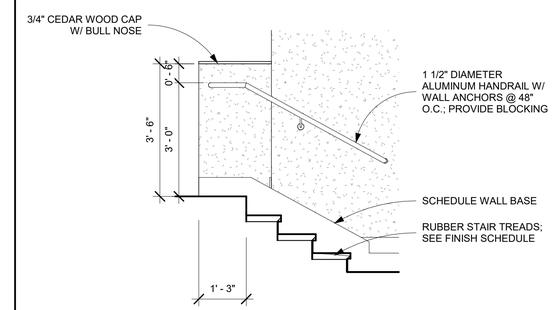
4 | A404 — ENTRY REP WEST
1/2" = 1'-0"



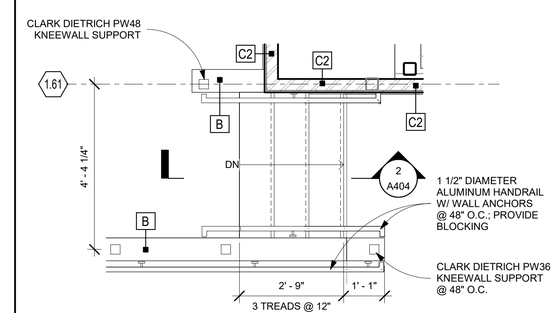
1 | A404 — ENLARGED ENTRY RECEPTION
1/2" = 1'-0"



6 | A101 | A404 — BREEZEWAY ELEVATION
1/4" = 1'-0"



2 | A404 — STAIR SECTION 2ND FLR
1/2" = 1'-0"



3 | A404 — ENLARGED 2ND FLOOR STAIR
1/2" = 1'-0"

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PROJECT ISSUES:

CONCEPT SKETCHES	2025-05-05
SCHEMATIC DESIGN	2026-04-10
REVISED PLAN	2026-05-18
DESIGN DEVELOPMENT	2026-06-26
CONSTRUCTION DOCUMENTS	2026-09-15

PROJECT TEAM:

CIVIL ENGINEER
LJA ENGINEERING
ARCHITECTURAL
B&A ARCHITECTURAL GROUP
INTERIOR DESIGNER
B&A ARCHITECTURAL GROUP
STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
ENLARGED PLANS

SHEET NUMBER:
A404

CONSTRUCTION DOCUMENTS

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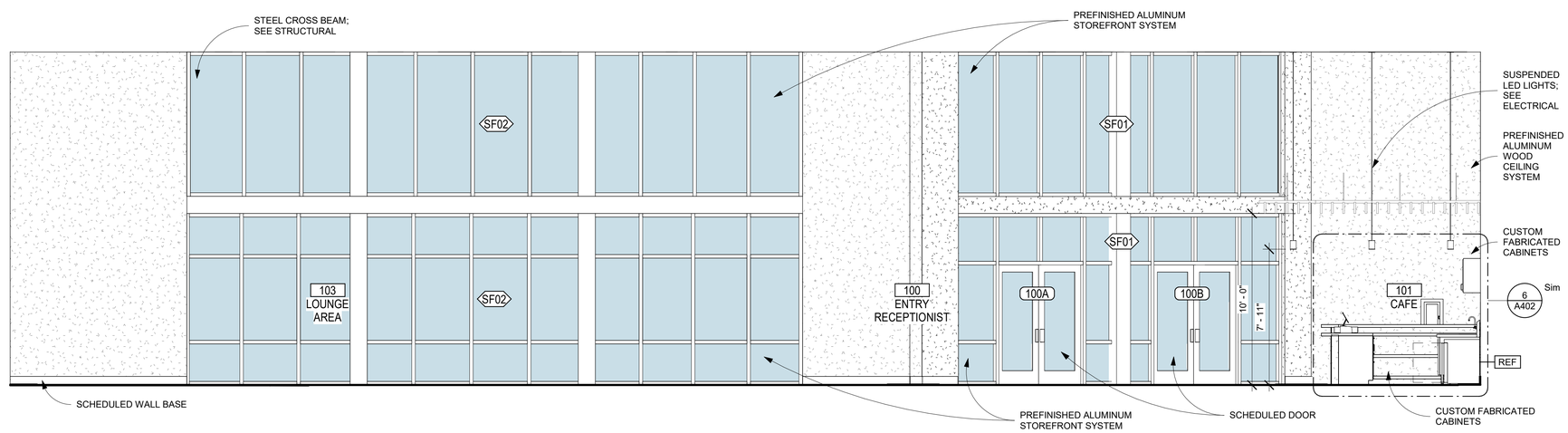
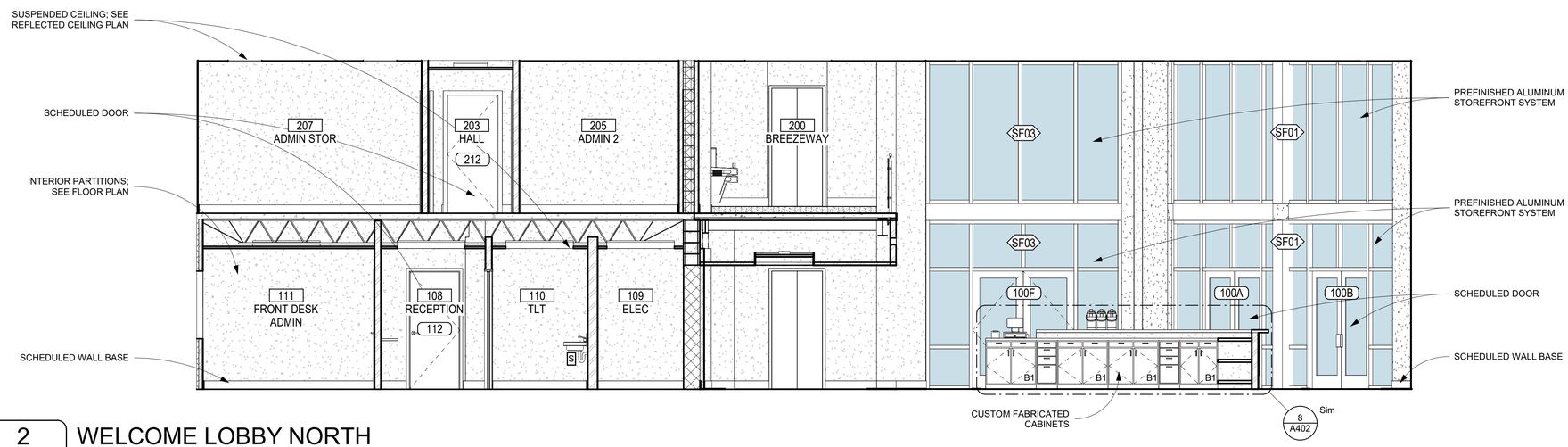


1 A406 WELCOME LOBBY EAST

1/4" = 1'-0"



2 A406 WELCOME LOBBY NORTH

1/4" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
2. PROVIDE STAINLESS STEEL FASTENERS AT ALL PRESSURE TREATED CONNECTIONS.
3. ALL RAILING TO RESIST A UNIFORM LOAD OF 50LB PER FOOT OR A CONCENTRATED LOAD OF 200 LBS
4. PROVIDE ASPHALTIC COATING AT PRESSURE TREATED WOOD WHEN MAKING CONTACT WITH CONCRETE SURFACES
5. PROVIDE ASPHALTIC COATING AT ALL ALUMINUM RAILING MAKING CONTACT WITH CONCRETE OR PRESSURE TREATED WOOD
6. CONTRACTOR SHALL PROVIDE OWNER WITH AN OPTION TO PROVIDE AN ALUMINUM RAILING SYSTEM AT THE RAMP OR AT ALL WOOD RAILING SYSTEM WITH ALUMINUM HANDRAILS.
7. ALL HANDRAILS SHALL EXTEND 12 INCHES AT LANDINGS AND SHALL TURN INTO RAILING
8. EMBED ALL WOOD POST SUPPORT AT RAMP INTO CONCRETE BASES, COATING POST WITH ASPHALTIC COATING
9. APPLY SLIP RESISTANT COATING ON RAMP SURFACES TO PREVENT SLIPPAGE

4' 0 4' 8'

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

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ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
INTERIOR ELEVATIONS/SECTIONS

SHEET NUMBER:
A406

CONSTRUCTION DOCUMENTS

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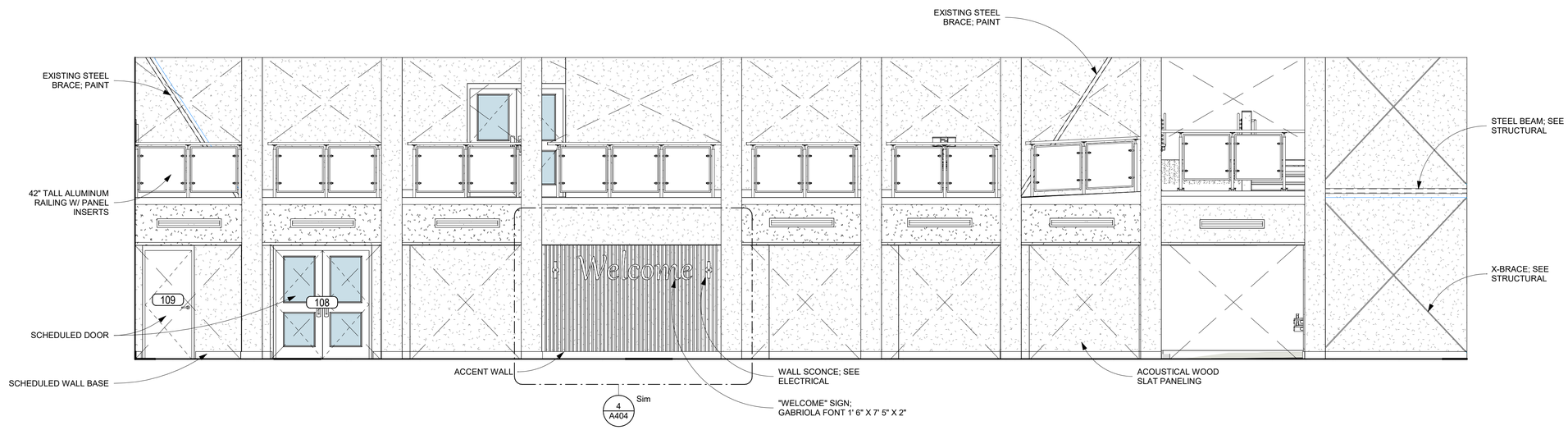
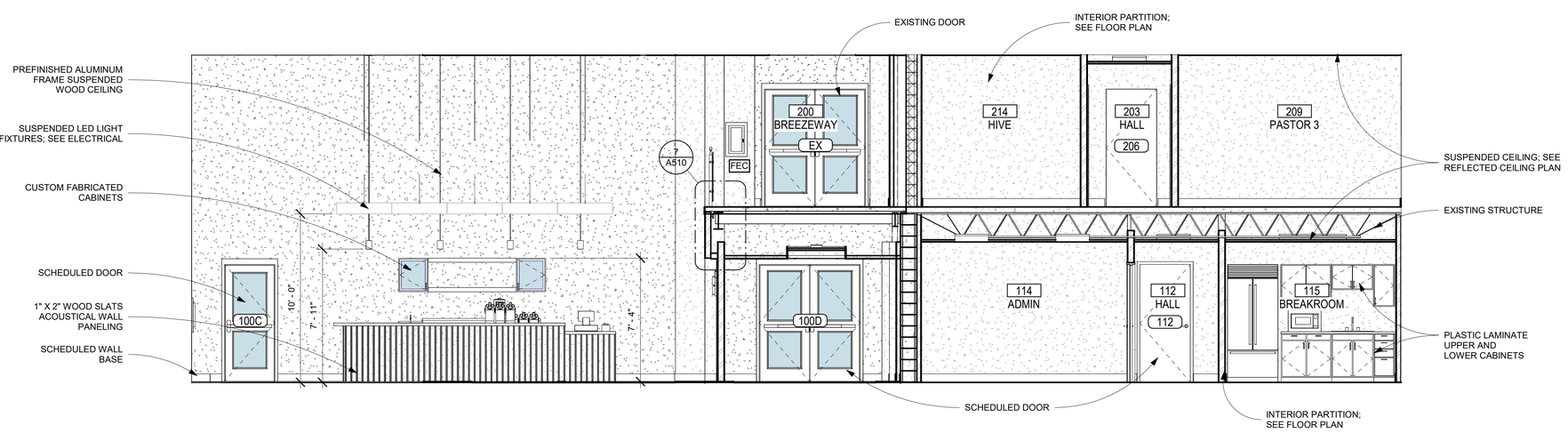


1 WELCOME LOBBY WEST

A407 1/4" = 1'-0"



2 WELCOME LOBBY SOUTH

A407 1/4" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
2. PROVIDE STAINLESS STEEL FASTENERS AT ALL PRESSURE TREATED CONNECTIONS.
3. ALL RAILING TO RESIST A UNIFORM LOAD OF 50LB PER FOOT OR A CONCENTRATED LOAD OF 200 LBS
4. PROVIDE ASPHALTIC COATING AT PRESSURE TREATED WOOD WHEN MAKING CONTACT WITH CONCRETE SURFACES
5. PROVIDE ASPHALTIC COATING AT ALL ALUMINUM RAILING MAKING CONTACT WITH CONCRETE OR PRESSURE TREATED WOOD
6. CONTRACTOR SHALL PROVIDE OWNER WITH AN OPTION TO PROVIDE AN ALUMINUM RAILING SYSTEM AT THE RAMP OR AT ALL WOOD RAILING SYSTEM WITH ALUMINUM HANDRAILS.
7. ALL HANDRAILS SHALL EXTEND 12 INCHES AT LANDINGS AND SHALL TURN INTO RAILING
8. EMBED ALL WOOD POST SUPPORT AT RAMP INTO CONCRETE BASES, COATING POST WITH ASPHALTIC COATING
9. APPLY SLIP RESISTANT COATING ON RAMP SURFACES TO PREVENT SLIPPAGE

4' 0 4' 8'

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

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PROJECT:
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FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
INTERIOR ELEVATIONS/SECTIONS

SHEET NUMBER:
A407

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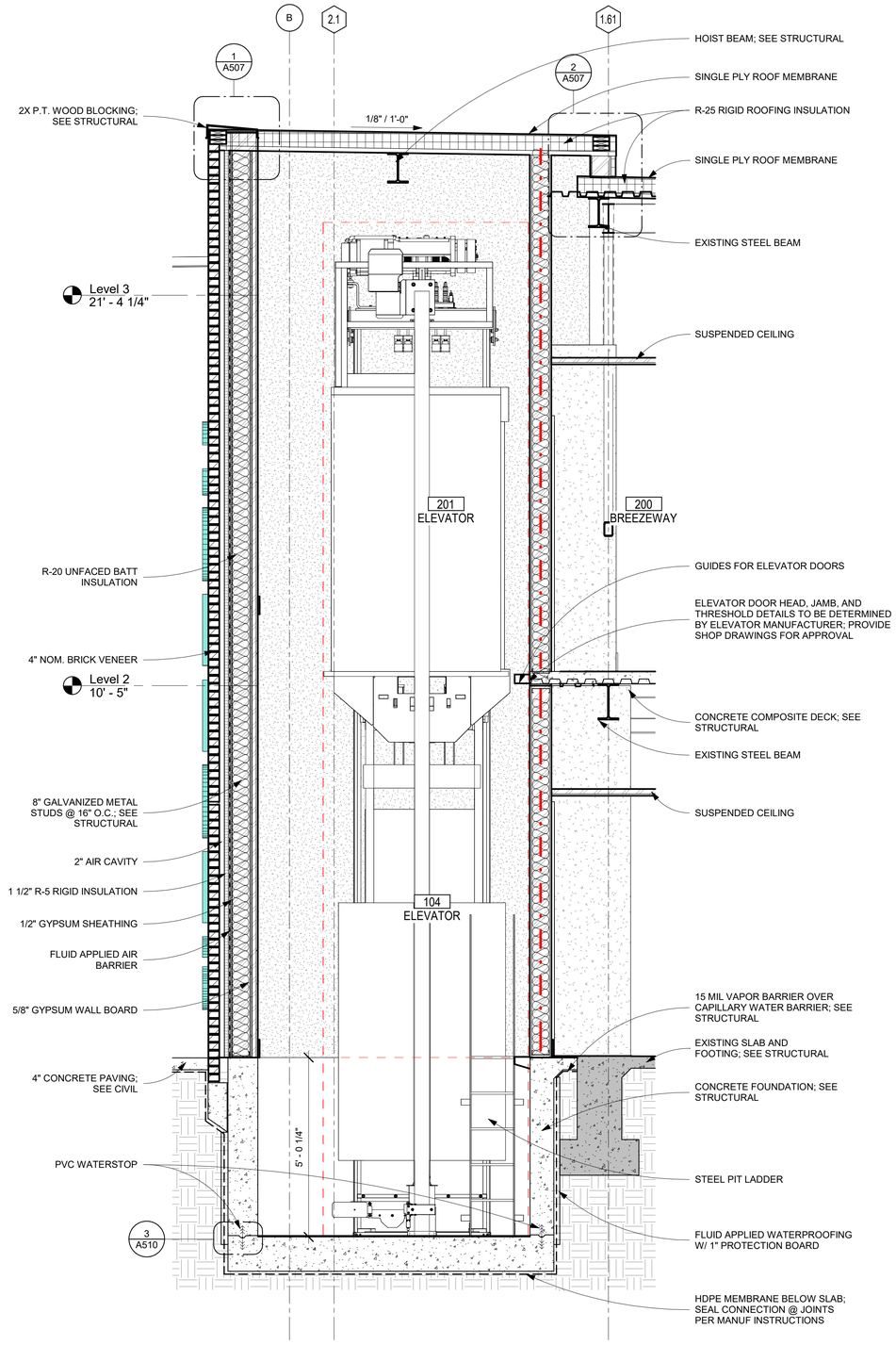
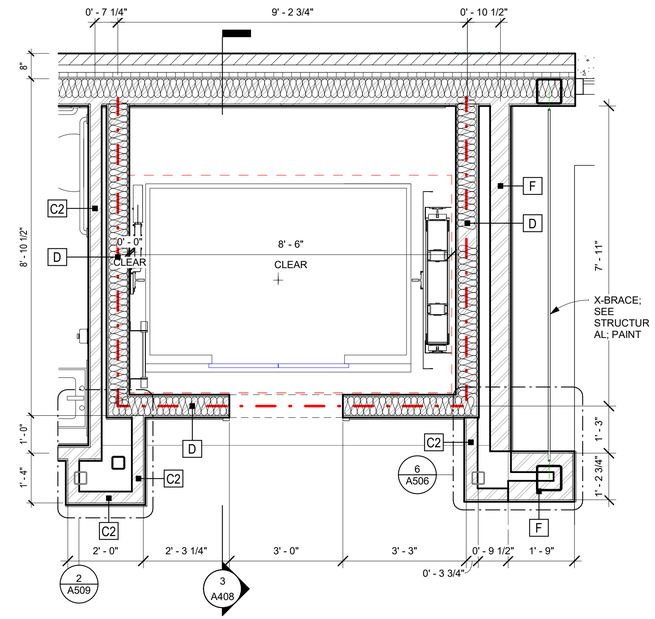


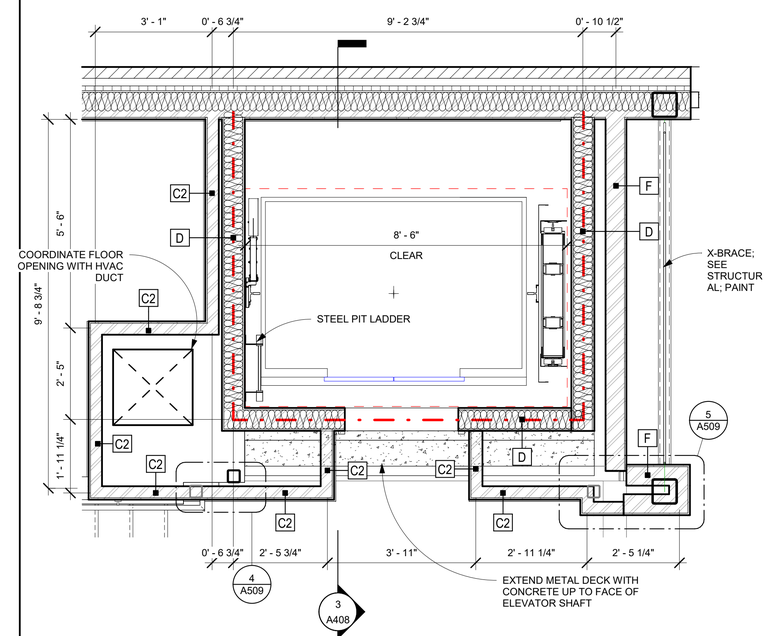
3 ELEVATOR SECTION

A408 1/2" = 1'-0"



1 ENLARGED FIRST FLOOR ELEVATOR

A408 1/2" = 1'-0"



2 ENLARGED SECOND FLOOR ELEVATOR

A408 1/2" = 1'-0"

GENERAL NOTES

1. ELEVATOR BASIS OF DESIGN IS SCHINDLER MODEL 3100MRL 2500 LB
2. CONTRACTOR SHALL COORDINATE FINAL SELECTION OF ELEVATOR WITH FOUNDATION AND ALL OTHER ELEVATOR ACCESSORIES
3. CONTRACTOR SHALL COORDINATE STRUCTURAL FRAMING FOR ELEVATOR FRAMING SUPPORT/GUIDES
4. CONTRACTOR SHALL SUBMIT PACKET TO ARCHITECT FOR ELEVATOR FOR FINAL APPROVAL AND COORDINATION

1' 0 1' 2'

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

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PROJECT ISSUES:

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PLUMBING
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ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
ENLARGED PLANS AND SECTION OF ELEVATOR

SHEET NUMBER:
A408

CONSTRUCTION DOCUMENTS

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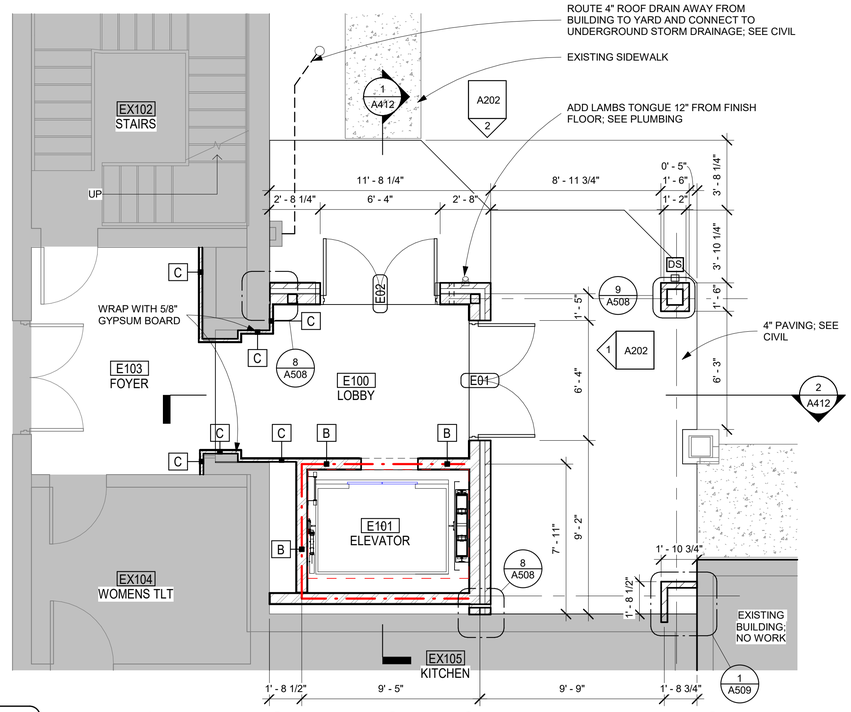
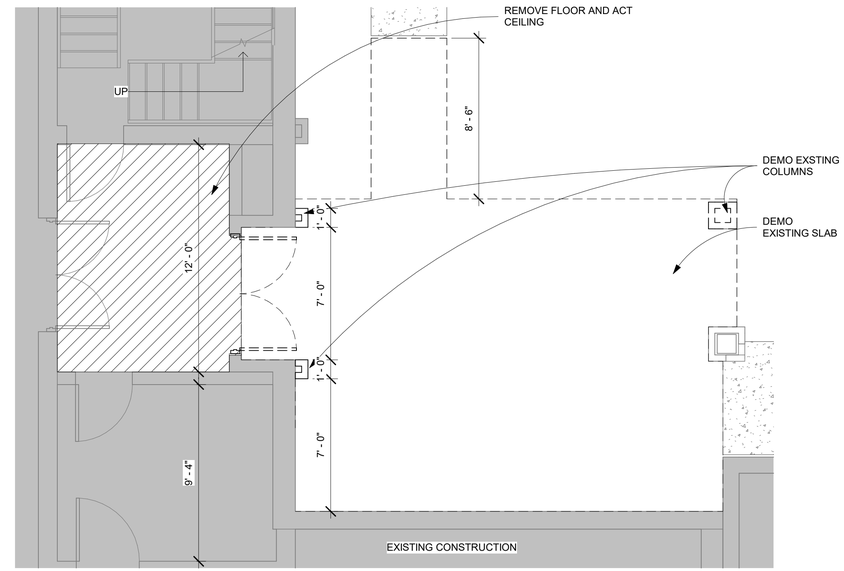


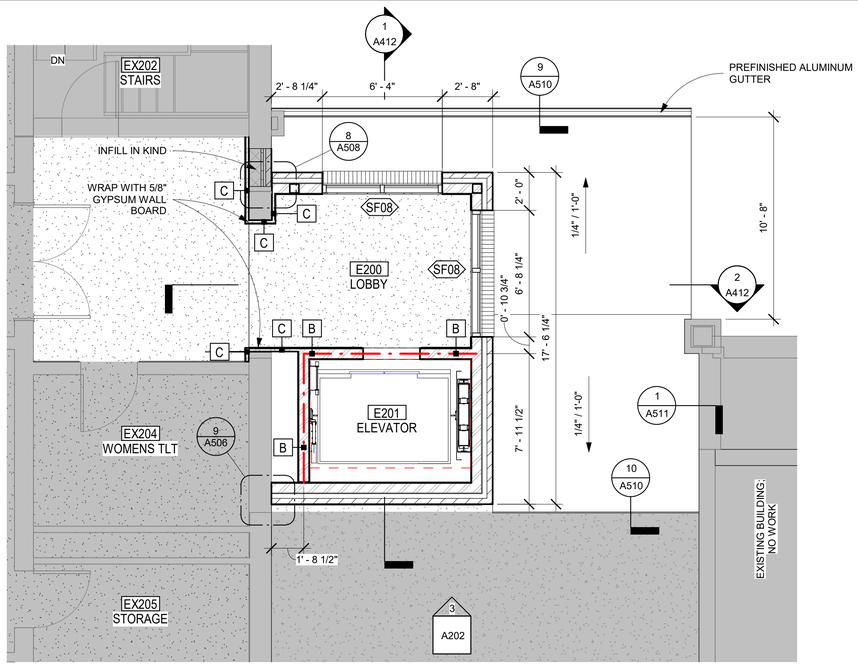
3 LEVEL 1 - ENLARGED BLDG 'E' LOBBY AND ELEVATOR

A409 1/4" = 1'-0"



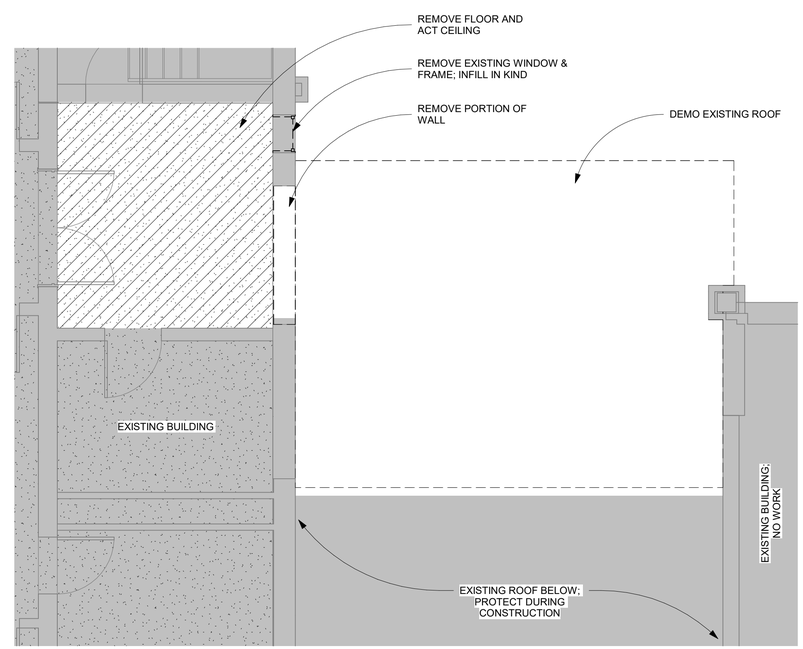
1 DEMOLITION PLAN - 1ST FLOOR

A409 1/4" = 1'-0"



4 LEVEL 2 - ENLARGED BLDG 'E' LOBBY AND ELEVATOR

A409 1/4" = 1'-0"

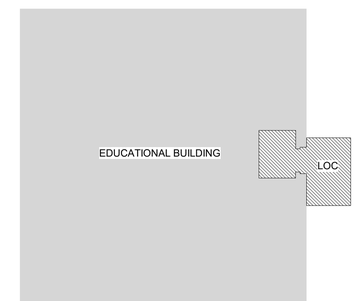


2 DEMOLITION PLAN - 2ND FLOOR

A409 1/4" = 1'-0"

LEGEND

- EXISTING CONSTRUCTION; NO WORK
- DENOTES REMOVAL OF EXISTING FLOORING AND ACT CEILING
- 4" CONCRETE SLAB; SEE STRUCTURAL
- DENOTES OBJECTS TO BE DEMOLISHED
- DS — 6" X 6" PREFINISHED ALUMINUM DOWNSPOUT; PROVIDE 2' X 3' CONCRETE SPLASH BLOCK



KEYPLAN

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING OR COMMENCING CONSTRUCTION
2. PROPERTY SHALL BE KEPT CLEAN DURING CONSTRUCTION
3. CONTRACTOR INFORM OWNER/ARCHITECT IMMEDIATELY IF HIDDEN CONDITIONS ARE FOUND THAT MAY AFFECT THE WORK DURING DEMOLITION
4. PATCH ALL AREAS EXPOSED OR DAMAGED BY DEMOLITION TO MATCH EXISTING OR NEW FINISHES
5. ALL DEMOLITION TO BE ACCOMPLISHED IN SUCH A MANNER AS TO MINIMIZE DAMAGE TO REMAINING ADJACENT CONSTRUCTION.
6. EXISTING WINDOWS SHALL BE REMOVED IN A MANNER TO PROTECT EXISTING CONDITIONS
7. SHORING AND FRAMING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

4' 0 4' 8'

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

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INTERIOR DESIGNER
B&A ARCHITECTURAL GROUP
STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
ENLARGED BLDG 'E'

SHEET NUMBER:
A409

CONSTRUCTION DOCUMENTS

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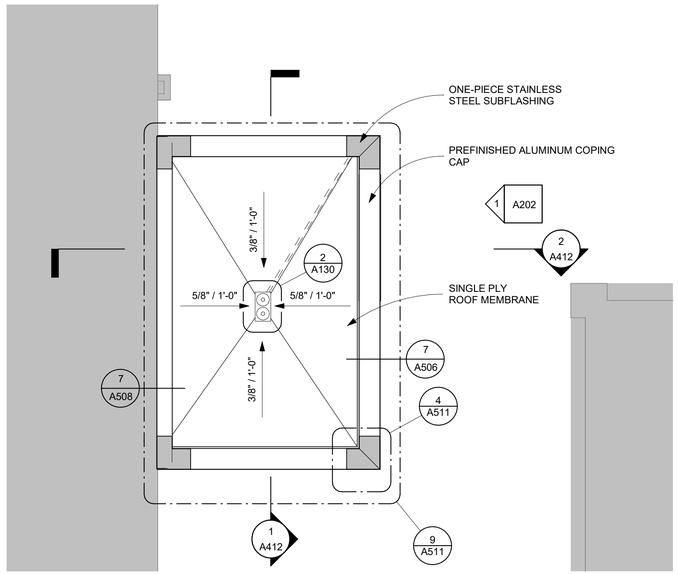
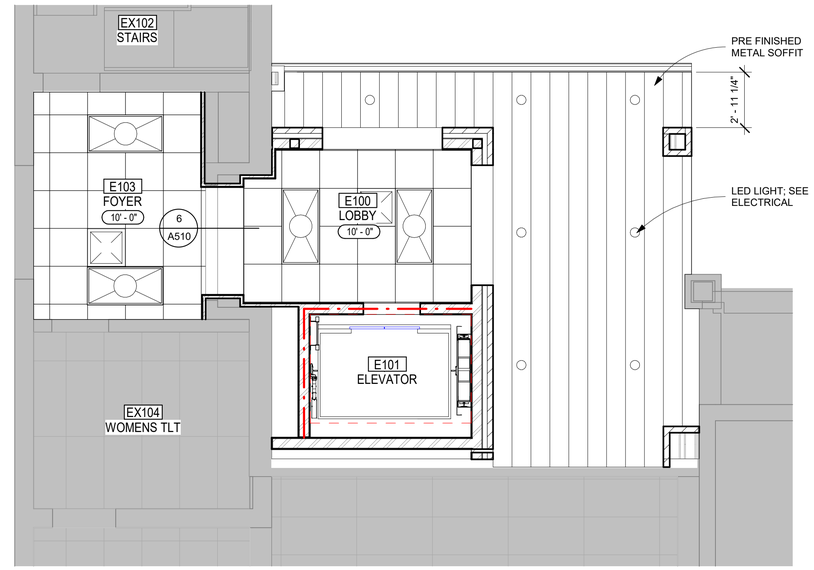


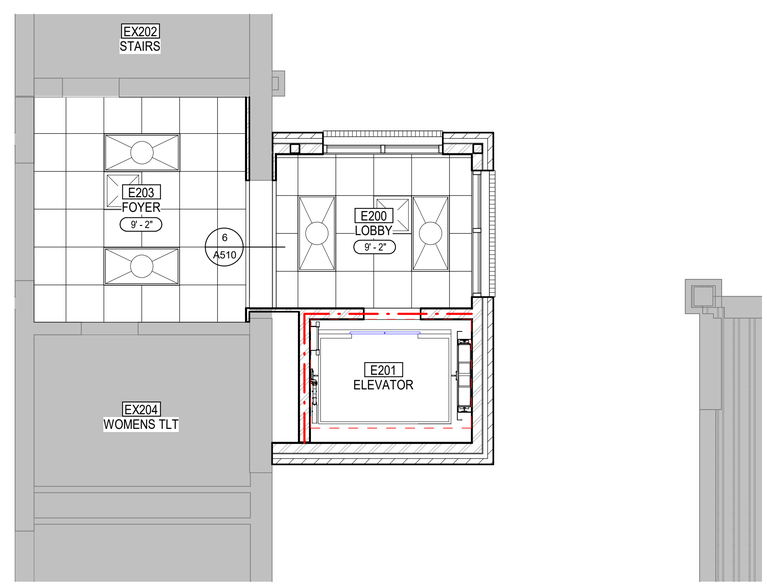
3 ROOF-BLDG E PLAN

A410 1/4" = 1'-0"



1 BLDG 'E' RCP - LEVEL 1

A201 A410 1/4" = 1'-0"

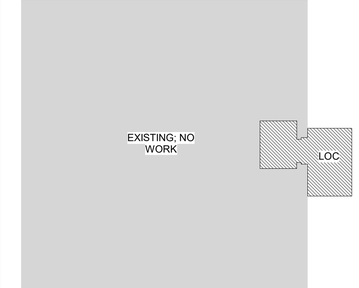


2 BLDG E- RCP LVL2

A200 A410 1/4" = 1'-0"

LEGEND

	2'X2'X5/8" ACCOUSTICAL CEILING TILE ARMSTRONG "RADAR" W/ 15/16" WHITE ALUMINUM GRID; SEE FINISH SCHEDULE
	EXISTING; NO WORK
	EXHAUST FAN; SEE MECHANICAL
	LED LIGHT FIXTURES; SEE ELECTRICAL
	EXIT SIGNS; SEE ELECTRICAL
	EMERGENCY WALL PACK; SEE ELECTRICAL
RD	ROOF DRAIN; SEE PLUMBING
OD	OVERFLOW DRAIN; SEE PLUMBING
LOC	LIMITS OF CONSTRUCTION



KEYPLAN

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
2. WHERE EXISTING ROOF CONTACT NEW ROOF DECK, INSTALL SELF ADHERED WATERPROOF MEMBRANE, GAF OR EQUAL,PROVIDE MINIMUM 8" OVERLAP.
3. ALL ROOFING PRODUCT SHALL HAVE FLORIDA PRODUCT APPROVAL PRIOR TO BE SUBMITTED FOR PERMIT PRIOR TO COMMENCING WORK.
4. SUBMIT COLOR SAMPLES TO ARCHITECT FOR APPROVAL
5. ROOFING SHALL MEET FLORIDA BUILDING CODE 2023 SOLAR INDEX REQUIREMENTS FOR FLAT ROOFS

4' 0 4' 8'

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

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PROJECT:
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ARCHITECT'S SEAL

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AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
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SHEET NUMBER:
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CONSTRUCTION DOCUMENTS

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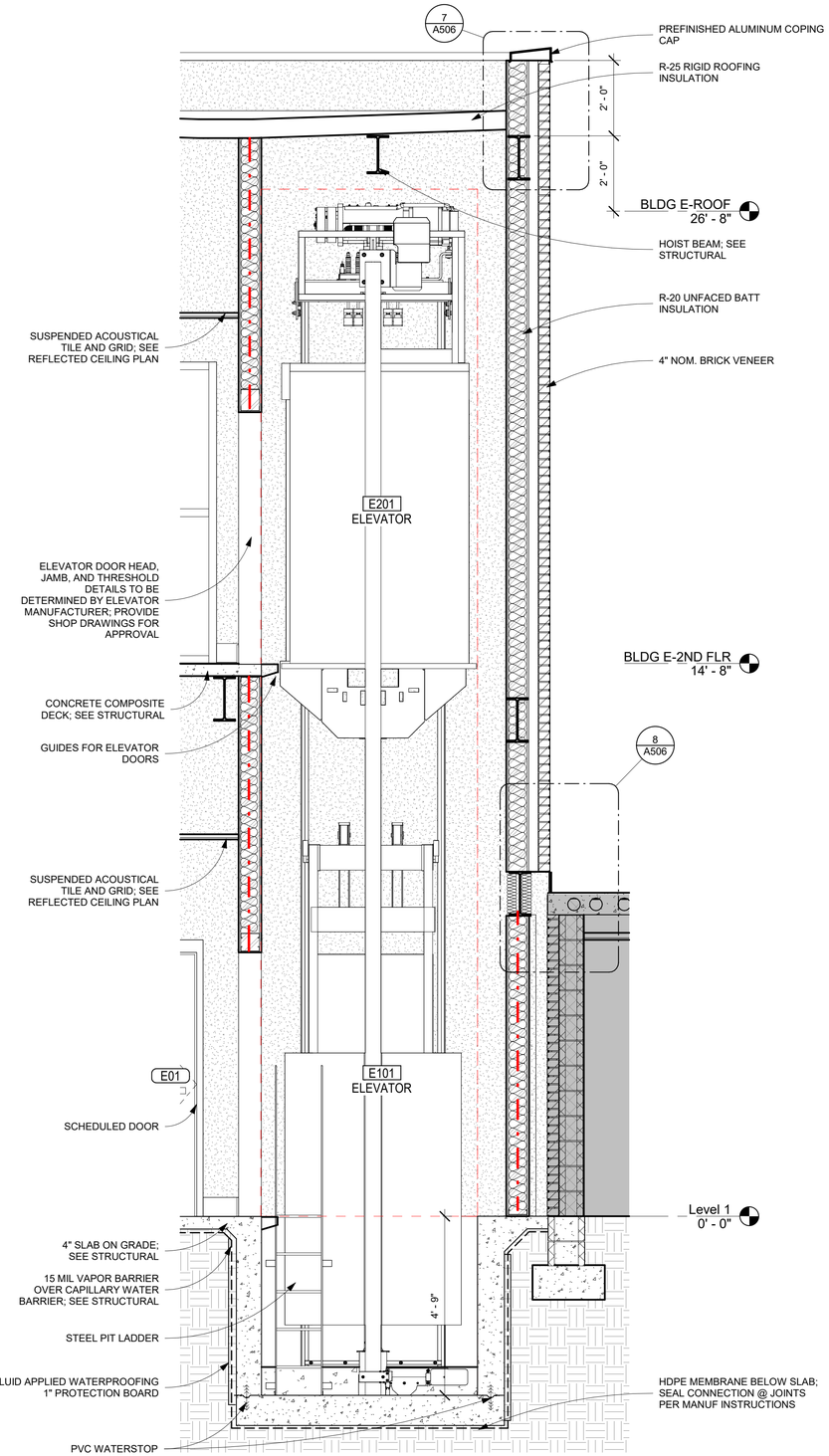
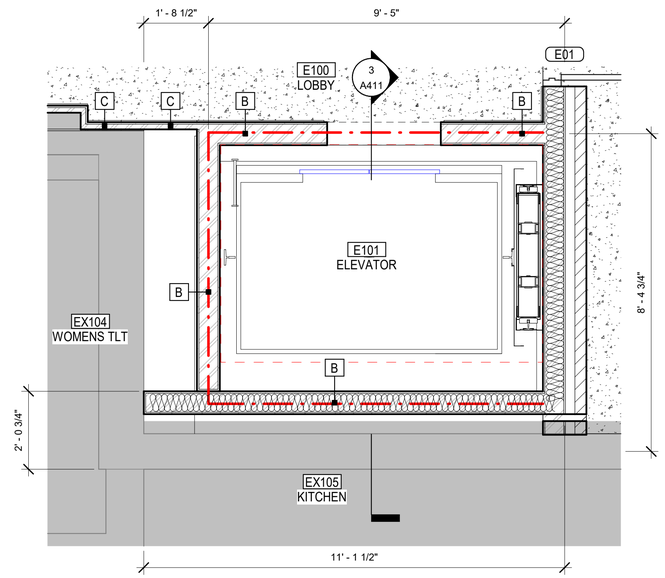


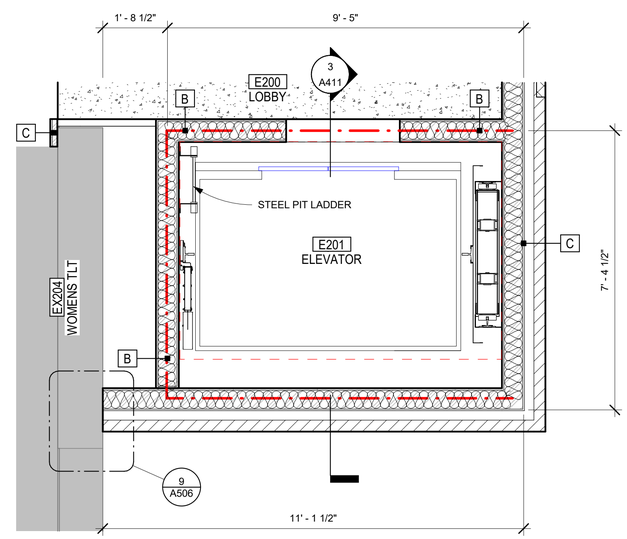
3 BLDG 'E' ELEVATOR SECTION

A411 1/2" = 1'-0"



1 LEVEL 1 - ENLARGED BLDG 'E' ELEVATOR

A411 1/2" = 1'-0"



2 LEVEL 2 - ENLARGED BLDG 'E' ELEVATOR

A411 1/2" = 1'-0"

GENERAL NOTES

1. ELEVATOR BASIS OF DESIGN IS SCHINDLER MODEL 3100MRL 2500 LB
2. CONTRACTOR SHALL COORDINATE FINAL SELECTION OF ELEVATOR WITH FOUNDATION AND ALL OTHER ELEVATOR ACCESSORIES
3. CONTRACTOR SHALL COORDINATE STRUCTURAL FRAMING FOR ELEVATOR FRAMING SUPPORT/GUIDES
4. CONTRACTOR SHALL SUBMIT PACKET TO ARCHITECT FOR ELEVATOR FOR FINAL APPROVAL AND COORDINATION

1' 0 1' 2'

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

DO NOT SCALE DRAWINGS

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ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
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SHEET NUMBER:
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CONSTRUCTION DOCUMENTS

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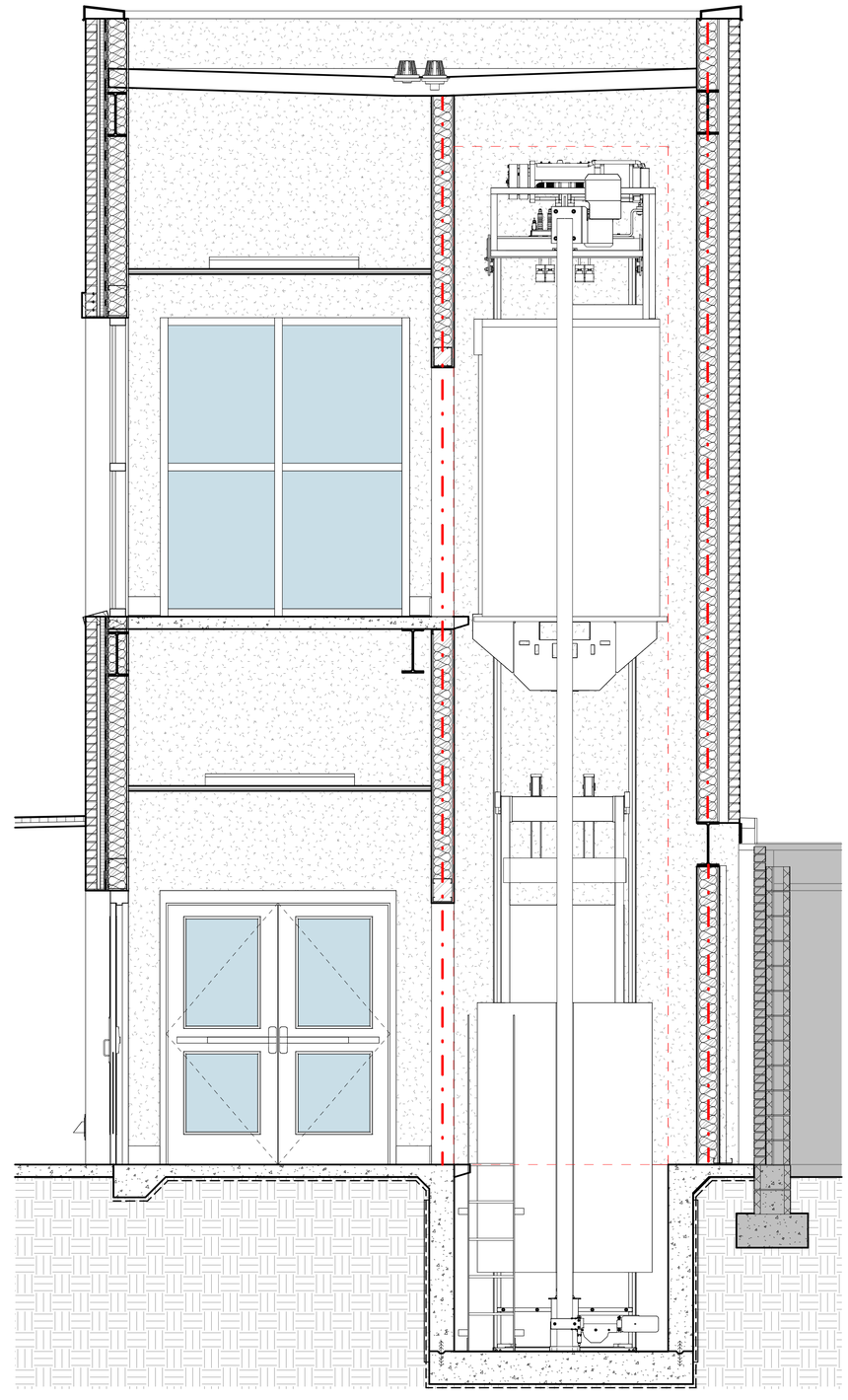
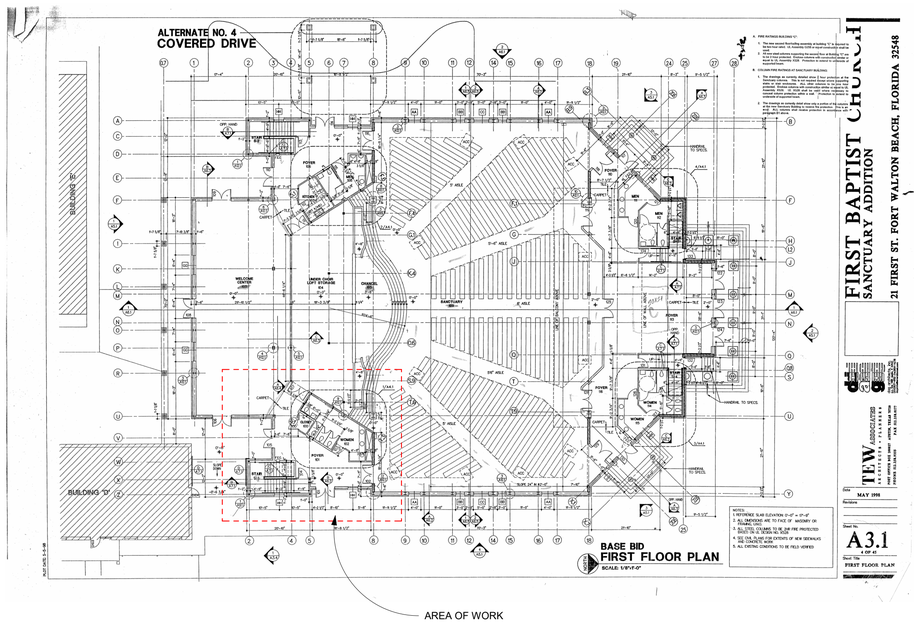
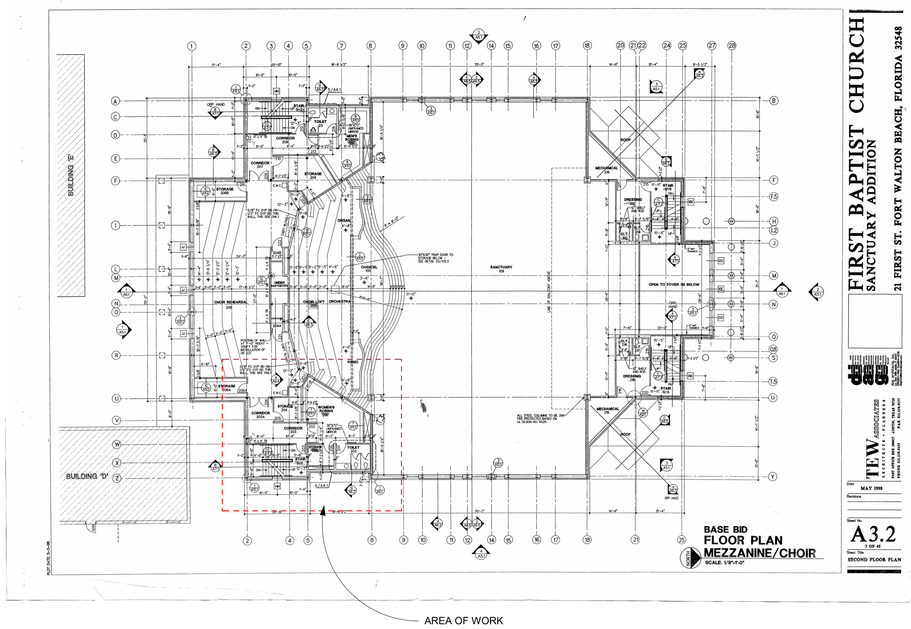
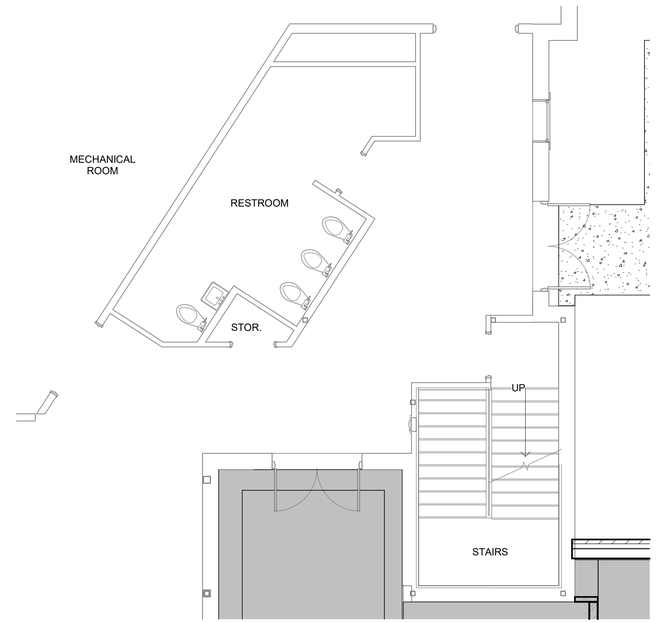


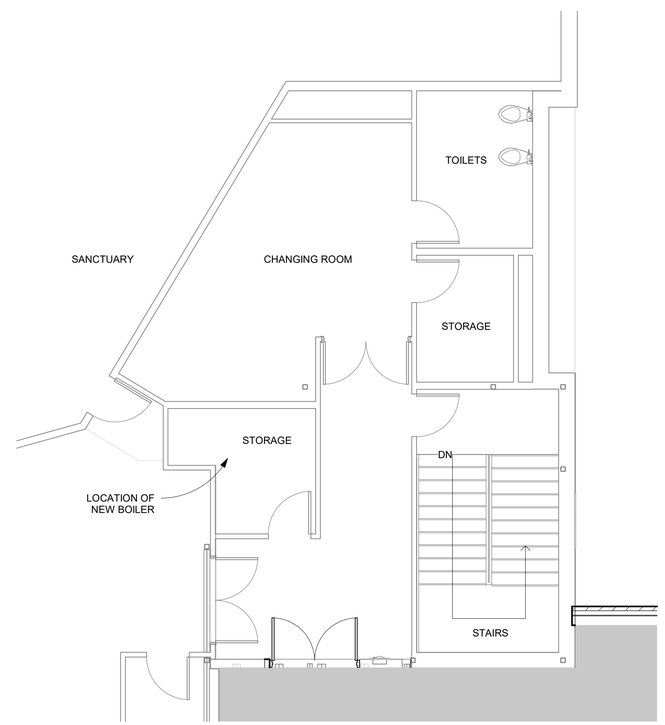






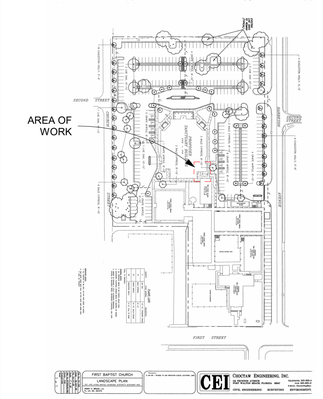
1 DEMOLITION PLAN - 1ST FLOOR

A413 3/16" = 1'-0"



2 DEMOLITION PLAN - 2ND FLOOR

A413 3/16" = 1'-0"



KEYPLAN
1" = 200'-0"

4' 0 4' 8' 12'

SCALE: 3/16" = 1' - 0"

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PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
BLD 'B' ENLARGED PLANS

SHEET NUMBER:
A413

CONSTRUCTION DOCUMENTS

PRINT DATE: 9/15/2026 4:56:53 PM

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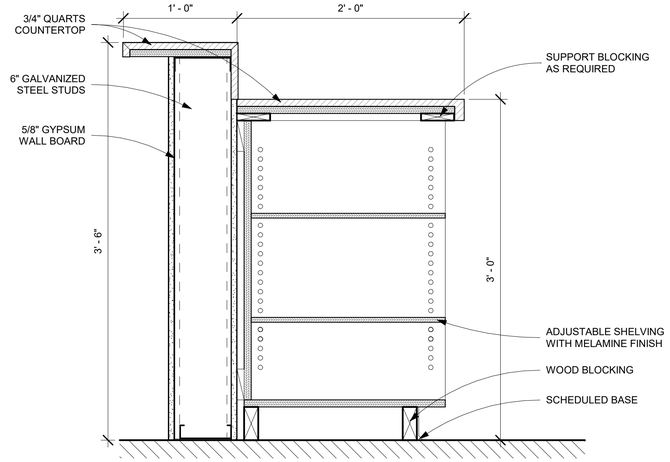
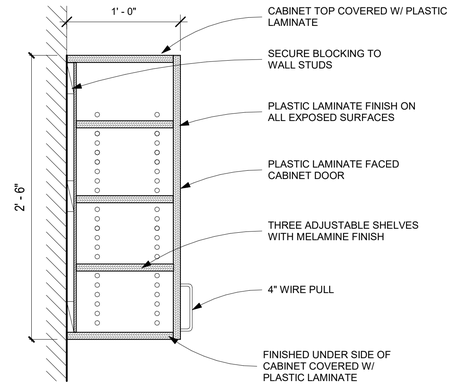


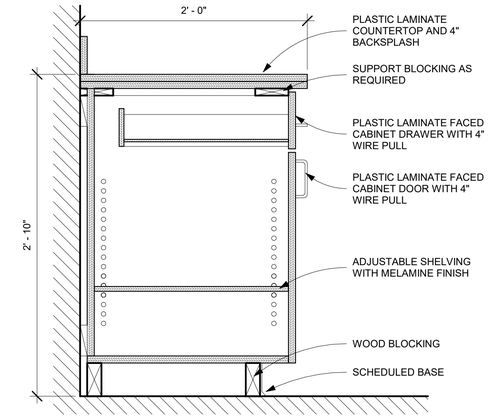
7 CAFE COUNTERTOP

A420 — 1 1/2" = 1'-0"



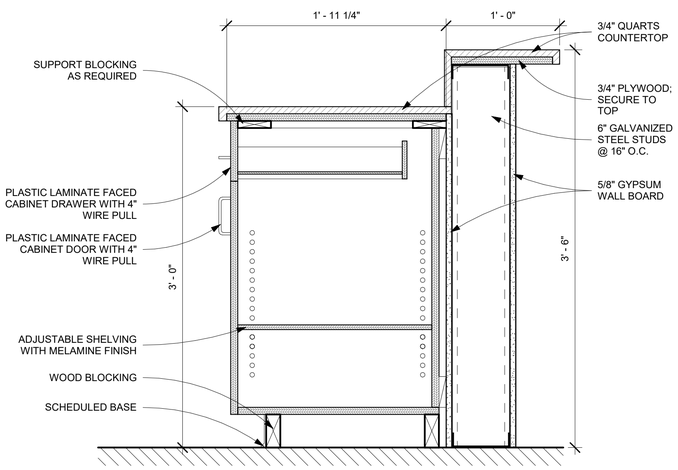
4 WALL CABINET - W1

A420 — 1 1/2" = 1'-0"



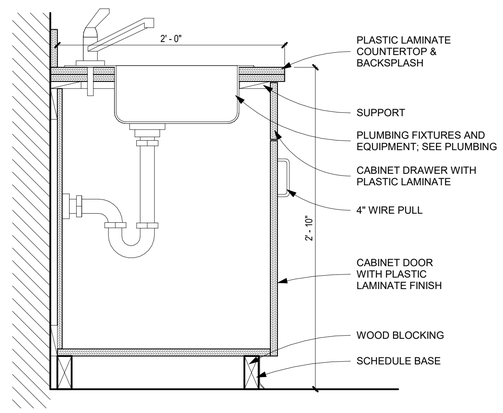
1 BASE CABINET - B1

A420 — 1 1/2" = 1'-0"



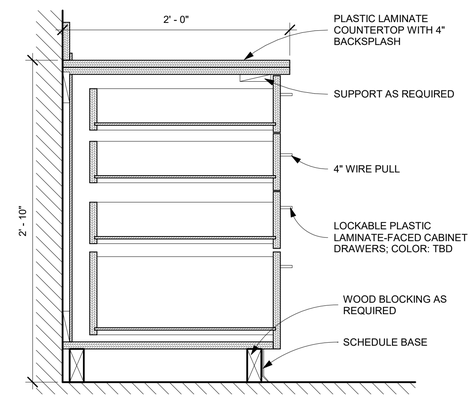
8 CAFE COUNTERTOP

A420 — 1 1/2" = 1'-0"



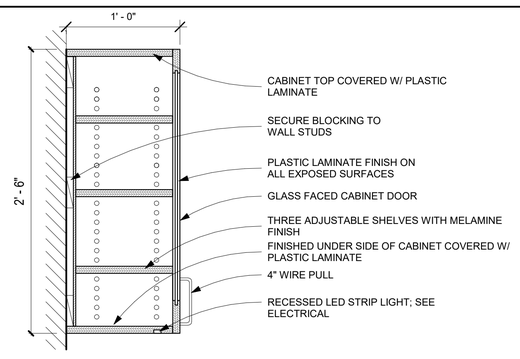
5 BASE CABINET - B3

A420 — 1 1/2" = 1'-0"



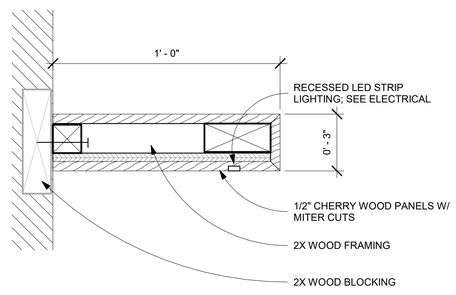
2 BASE CABINET - B2

A420 — 1 1/2" = 1'-0"



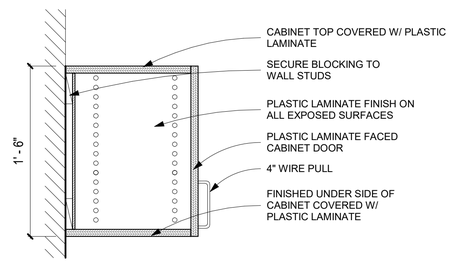
9 GLASS FACED CABINET - W3

A420 — 1 1/2" = 1'-0"



6 FLOATING SHELVING

A420 — 3" = 1'-0"



3 WALL CABINET - W2

A420 — 1 1/2" = 1'-0"

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ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

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CASEWORK

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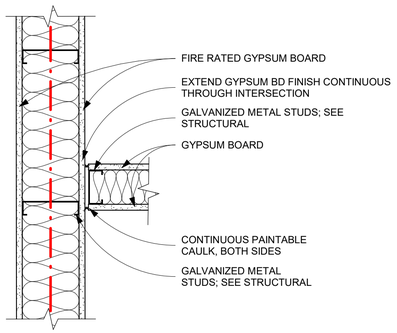


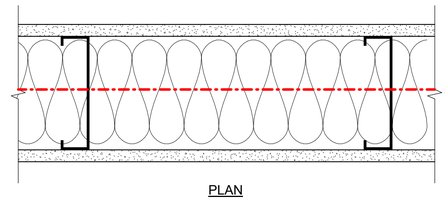
7 TYPICAL FIRE RATED CONDITION

A501 — 1 1/2" = 1'-0"

1 HR FIRE RATED PARTITION (UL DESIGN No. U419 or U465)

- 5/8" FIRE RATED GYPSUM WALL BOARD
- 6" 18 GA GALVANIZED METAL STUDS
- 5 1/2" MINERAL WOOL INSULATION
- 5/8" FIRE RATED GYPSUM WALL BOARD

USE MOISTURE RESISTANT GYPSUM WALL BOARD IN WET LOCATIONS; SEE FINISH SCHEDULE



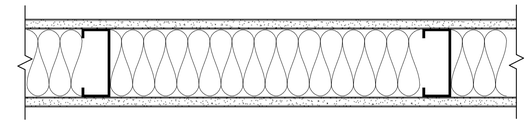
PLAN

4 WALL TYPE D

A501 — 3" = 1'-0"

WALL TYPE 'A'

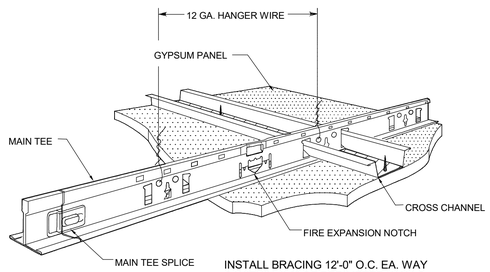
- 5/8" GYPSUM BOARD BOTH SIDES; EXTEND 6" ABOVE FINISH CEILING
- 3 5/8" GALVANIZED 18Ga METAL STUDS AT 16" O.C.
- 3 1/2" SOUND ABSORBING BATTS BETWEEN STUDS



PLAN

1 DT - WALL TYPE A

A501 — 3" = 1'-0"



INSTALL BRACING 12'-0" O.C. EA. WAY & WITHIN 4'-0" OF PERIMETER WALLS

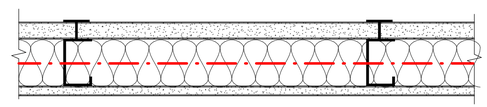
NOTES:
1. METAL SUSPENSION SYSTEM FOR LAY-IN CEILINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C635 AND IN COMPLIANCE WITH ASTM C645
2. INSTALLATION OF METAL CEILING SUSPENSION SYSTEM FOR LAY-IN PANELS SHALL CONFORM TO THE REQUIREMENT OF ASTM C636/C754 AND PRODUCT INSTALLATION INSTRUCTIONS.
3. MAIN RUNNERS @ 2'-0" O.C. CROSS RUNNERS @ 2'-0" O.C.
4. VERTICAL HANGERS TO BE MAX. 8" FROM WALLS

8 ACOUSTICAL TILE DIAGRAM

A501 — 12" = 1'-0"

WALL TYPE 'E' - 1HR FIRE SHAFT - UL# 415

- 1" FIRE RATED SHAFT LINER
- 2 1/2" C-H STUD 25Ga GALVANIZED @ 16" O.C.
- 2 1/2" MINERAL WOOL INSULATION
- 5/8" FIRE RATED GYPSUM ONE SIDE; EXTEND TO DECK
- SEAL ALL PENETRATION WITH FIRE RATED CAULKING



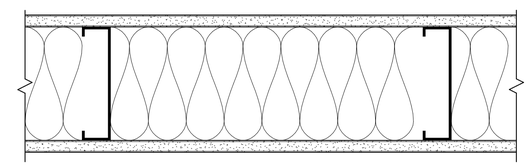
PLAN

6 DT - WALL TYPE E (1HR SHAFT)

A501 — 3" = 1'-0"

WALL TYPE 'B'

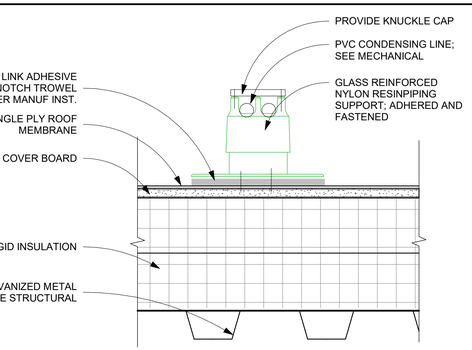
- 5/8" GYPSUM ONE SIDE; EXTEND 6" ABOVE FINISH CEILING
- 6" GALVANIZED 18Ga METAL STUDS AT 16" O.C.
- 6" SOUND ABSORBING BATT INSULATION @ TOILET WALLS



PLAN

2 DT - WALL TYPE B

A501 — 3" = 1'-0"

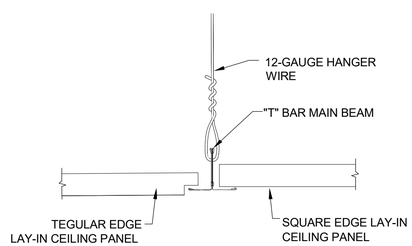


BASIS OF DESIGN: GREENLINK ECO-ENGINEERING; LITE PIPE KNUCKLEHEAD; INSTALL PER MANUFACTURER'S INSTRUCTION

CONTRACTOR SHALL FOLLOW SMACNA AND NRCA GUIDELINES

9 DRAIN PIPE SUPPORT

A501 — 3" = 1'-0"



INSTALLATION OF METAL CEILING SUSPENSION SYSTEM FOR LAY-IN PANELS SHALL CONFORM TO THE REQUIREMENT OF ASTM C636/C754 AND AND SHALL COMPLY W/ FBC SEVEN EDITION SECTION 803.11, 803.13.1, 803.13.1.1.

5 ACT DETAIL

A501 — 12" = 1'-0"

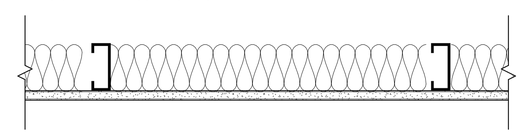
WALL TYPE 'C'

C-1

- 5/8" GYPSUM BOARD; EXTEND 6" ABOVE CEILING
- 2 1/2" GALVANIZED 18Ga STEEL STUDS AT 16" O.C.
- 2 1/2" MINERAL WOOL INSULATION

C-2

- 5/8" GYPSUM BOARD; EXTEND 6" ABOVE CEILING
- 3 5/8" GALVANIZED 18Ga STEEL STUDS AT 16" O.C.
- 3 1/2" MINERAL WOOL INSULATION



PLAN

3 DT - WALL TYPE C

A501 — 3" = 1'-0"

WALL TYPE NOTES

1. ALL INTERIOR PARTITIONS SHALL FOLLOW FBC SECTION 1607.14 (SHALL RESIST HORIZONTAL LOAD OF 5 PSF)
2. ALL INTERIOR PARTITIONS SUPPORTING CERAMIC TILE SHALL FOLLOW FBC SECTION 1607.14 (SHALL RESIST HORIZONTAL LOAD OF 10 PSF)
3. PROVIDE RESILIENT SEALANT AT ACOUSTICAL WALL ASSEMBLIES.
4. PROVIDE WATER RESISTANT GYPSUM WALLBOARD INSIDE FACES OF JANITOR CLOSETS, TOILET AND RESTROOMS.
5. PROVIDE TILE BACKERBOARD WHERE TILE INSTALLED ON WALLS (IF REQUIRED).
6. ALL FIRE RATED WALLS SHALL HAVE FIRE RATED PENETRATIONS; FOLLOW 2023 FLORIDA BUILDING CODE SECTION 714.4.1; TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH OF WAER AND SHALL HAVE AN F RATING OF NOT LESS THAN THE REQUIRED FIRE RESISTANCE RATING OF THE WALL PENETRATED

GENERAL NOTES FOR FIRE RATED WALLS AND SMOKE PARTITIONS

1. PENETRATIONS FOR CABLES, CONDUITS, PIPES AND MECHANICAL DUCTS SHALL BE PROTECTED BY A SYSTEM OF MATERIAL THAT IS CAPABLE OF LIMITING THE TRANSFER OF SMOKE.

MARKING AND IDENTIFICATION FOR FIRE WALLS, FIRE BARRIERS AND SMOKE BARRIERS

1. WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING.
2. PER NFPA 101 8.2.2.5 (1)LOCATE IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES;
3. PER NFPA 101 8.2.2.5 (2) LOCATE WITHIN 15 FT OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 15 FT MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION; AND
4. PER NFPA 101 8.2.2.5 (3) INCLUDE LETTERING NOT LESS THAN 3 INCHES IN HEIGHT WITH A MIN. 3/8" STROKE IN CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING. "FIRE AND/OR SMOKE BARRIER-PROTECT ALL OPENINGS" OR OTHER WORDING.

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SHEET TITLE:
TYPICAL DETAILS

SHEET NUMBER:
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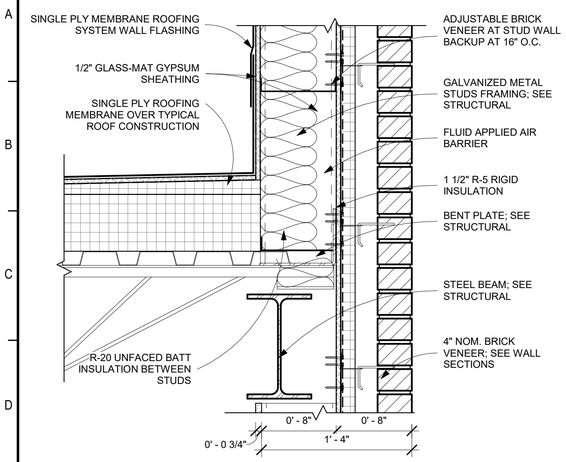
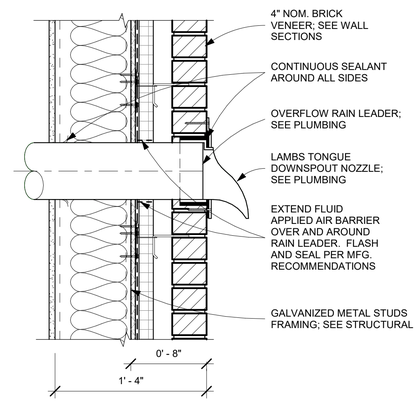


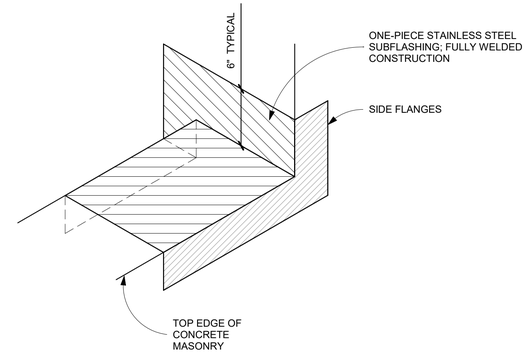
9 ROOF TO PARAPET AT STUD

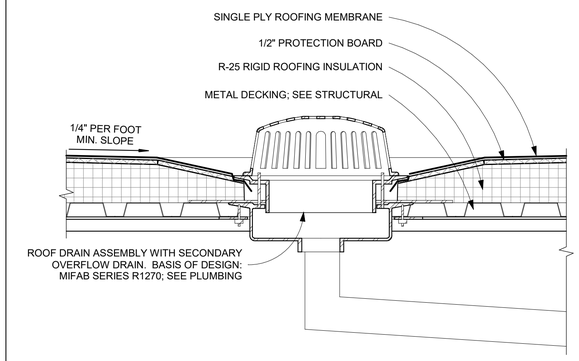
A502 1 1/2" = 1'-0"



6 DRAIN NOZZLE DETAIL

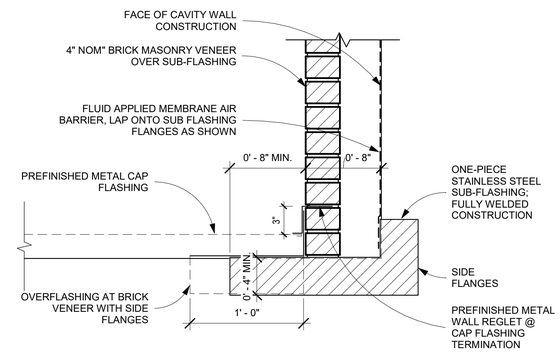
A502 1 1/2" = 1'-0"





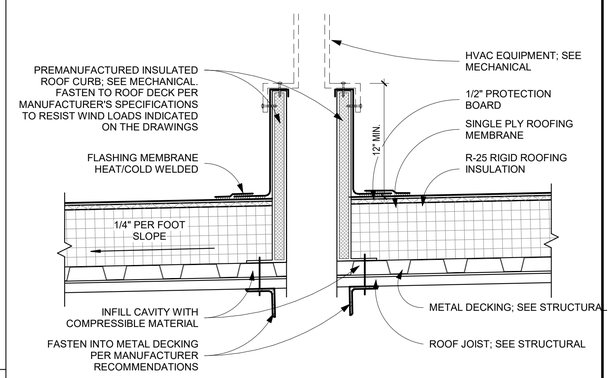
1 ROOF DRAIN

A502 1 1/2" = 1'-0"



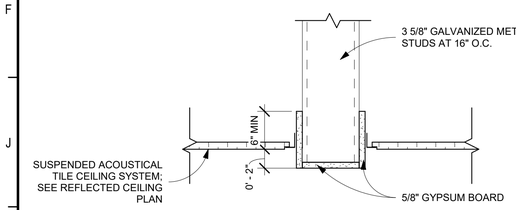
4 PARAPET FLASHING TERMINATION

A502 1 1/2" = 1'-0"



2 ROOF CURB

A502 1 1/2" = 1'-0"



10 CEILING BULKHEAD DETAIL

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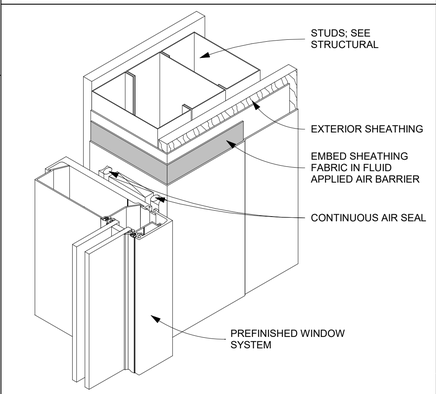
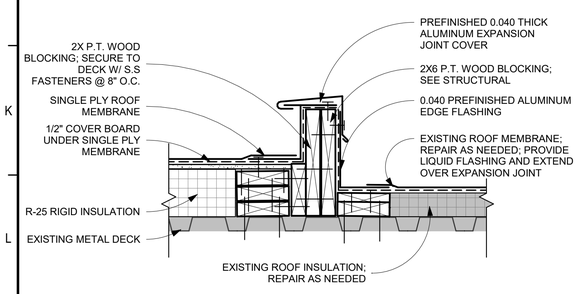


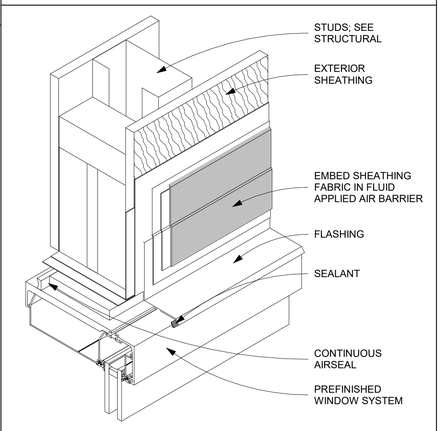
7 TYPICAL WINDOW JAMB

A502 3" = 1'-0"



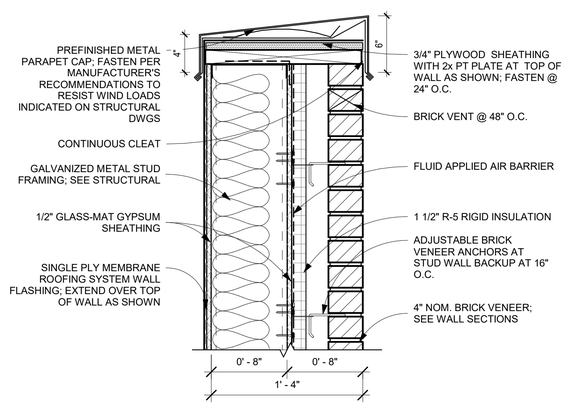
12 BLDG 'D' ROOF TO BLDG 'M' ROOF

A502 1 1/2" = 1'-0"



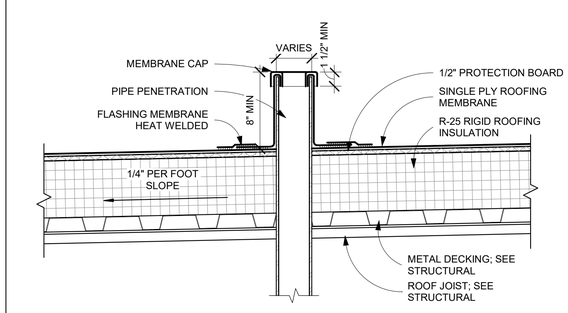
8 TYPICAL WINDOW HEAD

A502 3" = 1'-0"



5 PARAPET CAP AT STUD

A502 1 1/2" = 1'-0"



3 ROOF PENETRATION

A502 1 1/2" = 1'-0"

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PROJECT ISSUES:

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B&A ARCHITECTURAL GROUP
INTERIOR DESIGNER
B&A ARCHITECTURAL GROUP
STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
DETAILS

SHEET NUMBER:
A502

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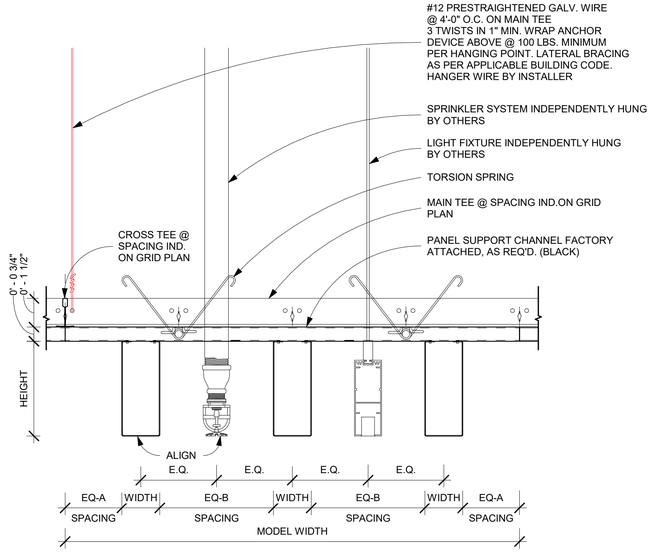
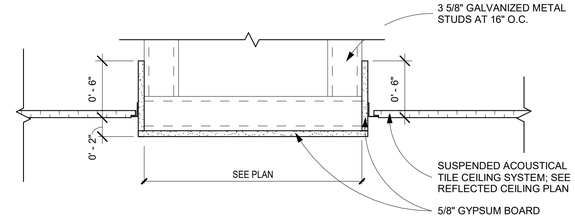


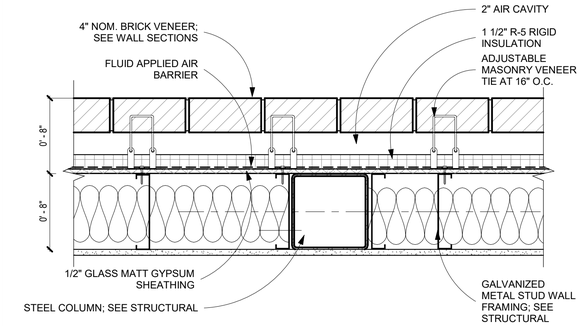
7 SUSPENDED FAUX WOOD BEAM SYSTEM

A503 3" = 1'-0"



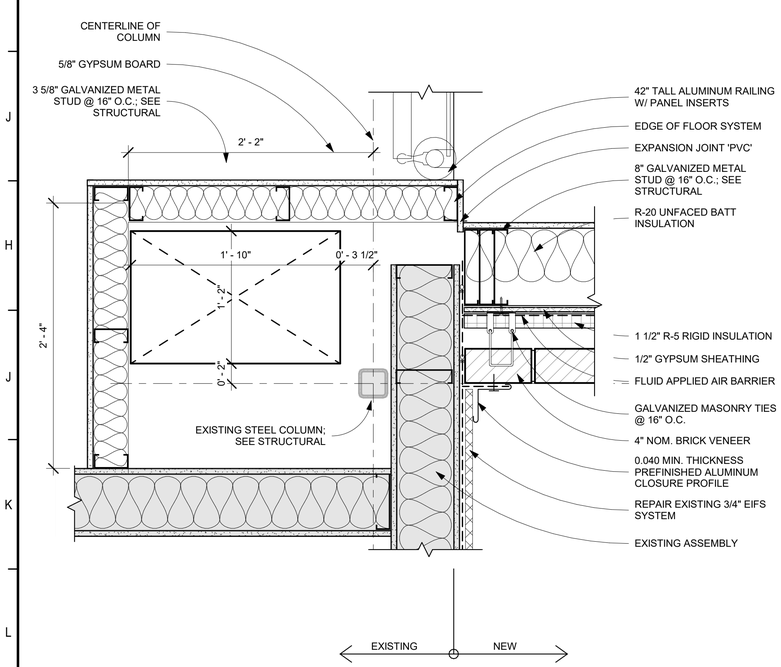
4 CEILING BULKHEAD DETAIL

A503 1 1/2" = 1'-0"



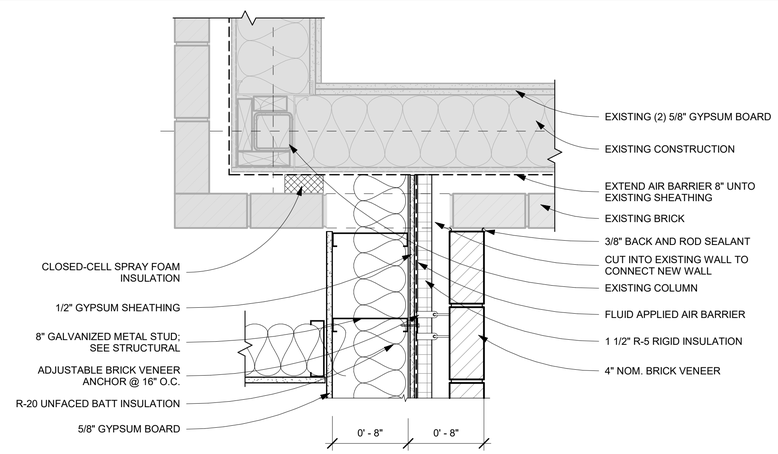
1 WALL COLUMN

A503 1 1/2" = 1'-0"



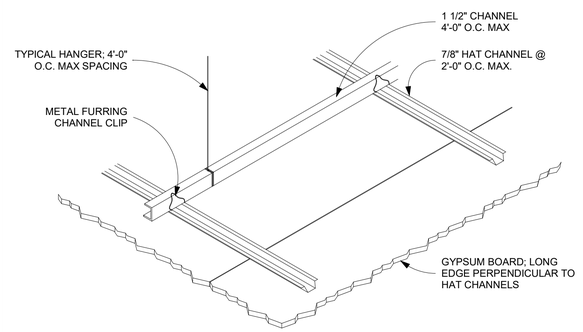
8 EXTERIOR WALL TO EXISTING CMU

A503 1 1/2" = 1'-0"



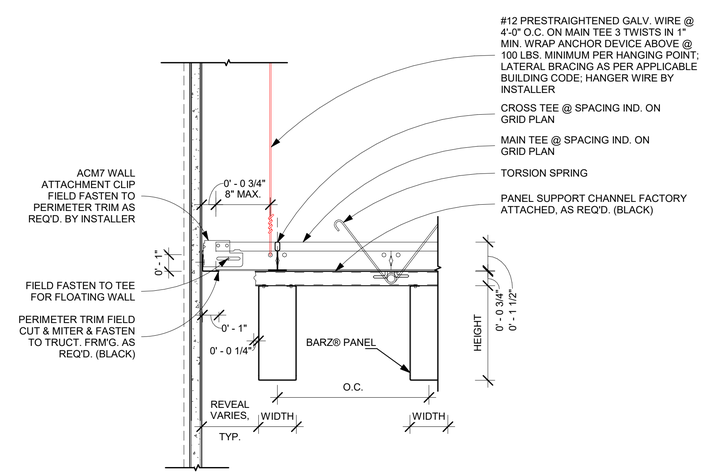
5 EXTERIOR WALL TO EXISTING

A503 1 1/2" = 1'-0"



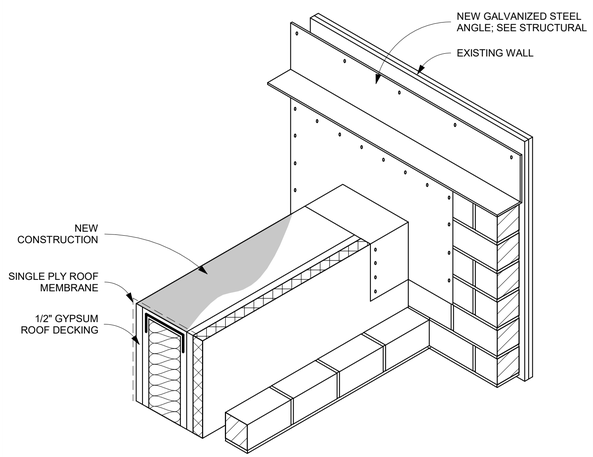
2 INTERIOR SUSPENDED GYPSUM

A503 1 1/2" = 1'-0"



6 SUSPENDED FAUX WOOD BEAM SYSTEM

A503 3" = 1'-0"



3 DETAIL 4

A503 1" = 1'-0"

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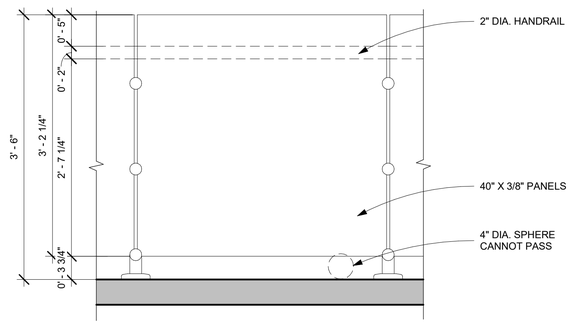
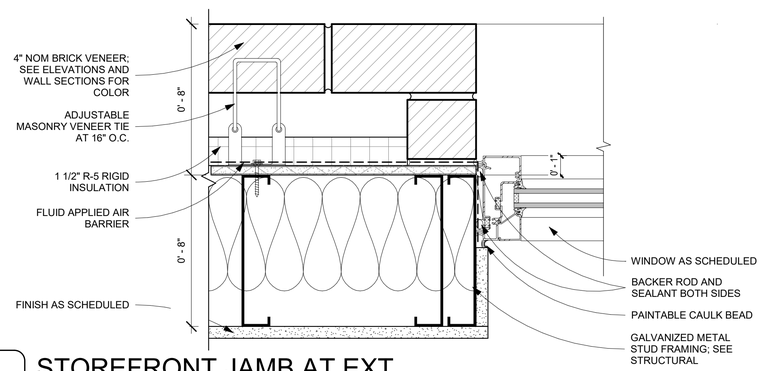


RAILING INFO

MANUF: VIVA RAILINGS
TYPE: FRAME PANEL
MATERIAL: STAINLESS STEEL #6
INFILL: ALUMINUM PERFORATED (PMRO 0610)
HANDRAIL MATERIAL: WOOD (RED OAK)
COLOR: BRUSHED STAINLESS STEEL

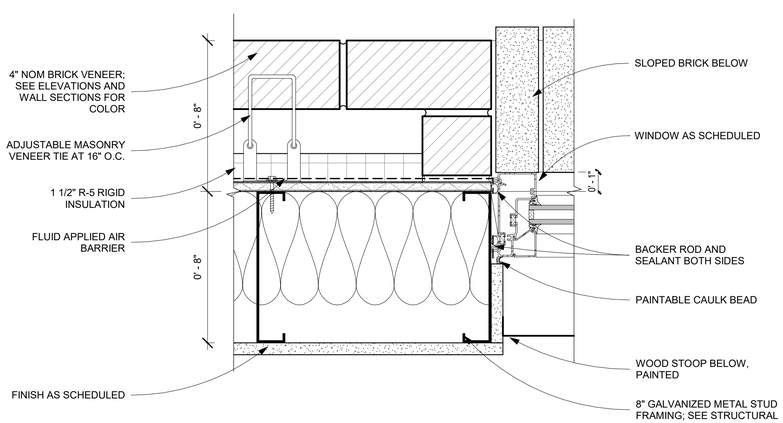
8 GUARDRAIL ELEVATION

A504 1" = 1'-0"



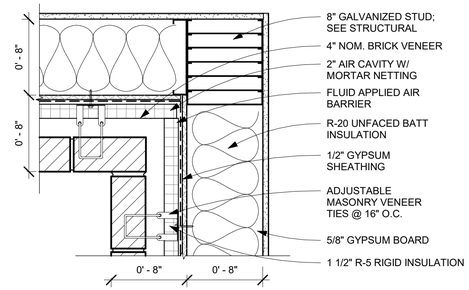
9 STOREFRONT JAMB AT EXT

A504 3" = 1'-0"



10 STOREFRONT JAMB AT STUD/FURRING

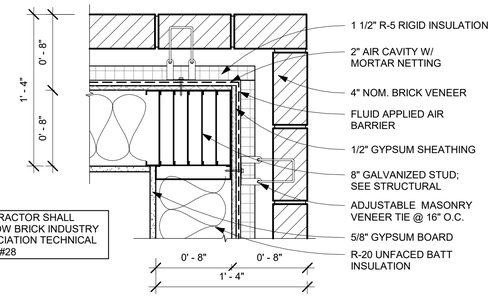
A504 3" = 1'-0"



CONTRACTOR SHALL FOLLOW BRICK INDUSTRY ASSOCIATION TECHNICAL NOTE #28

4 DT-BRICK INSIDE CORNER

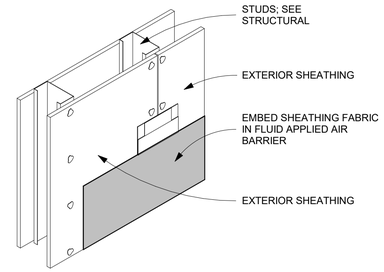
A504 1 1/2" = 1'-0"



CONTRACTOR SHALL FOLLOW BRICK INDUSTRY ASSOCIATION TECHNICAL NOTE #28

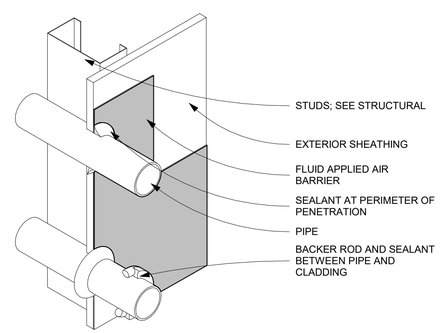
5 DT-BRICK OUTSIDE CORNER

A504 1 1/2" = 1'-0"



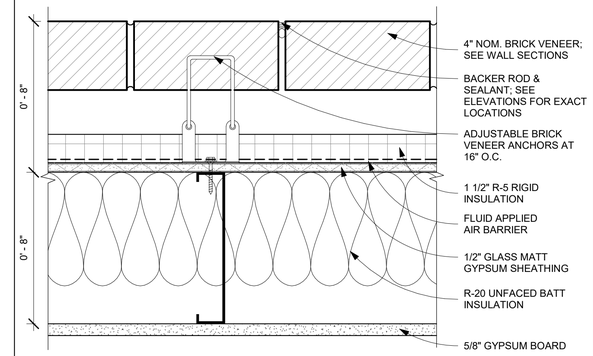
6 TYPICAL SHEATHING JOINT DETAIL

A504 1 1/2" = 1'-0"



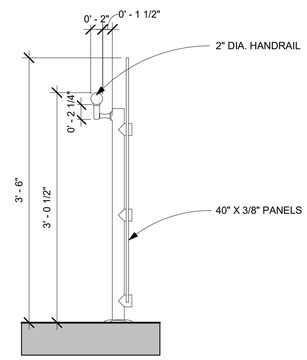
7 TYPICAL PIPE PENETRATION DETAIL

A504 3" = 1'-0"



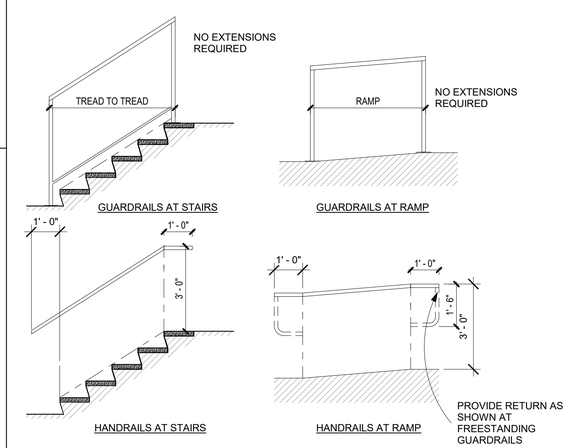
1 BRICK EXPANSION JOINT

A504 3" = 1'-0"



2 GUARDRAIL SECTION

A504 1" = 1'-0"



3 RAIL EXTENSION REQUIREMENTS

A504 3/8" = 1'-0"

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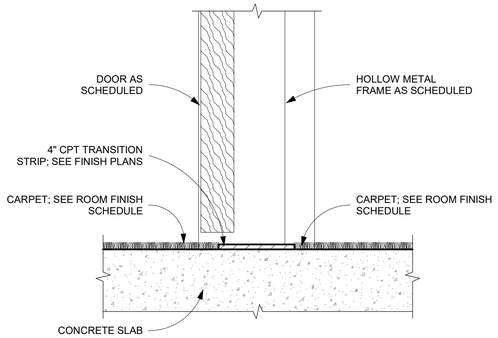
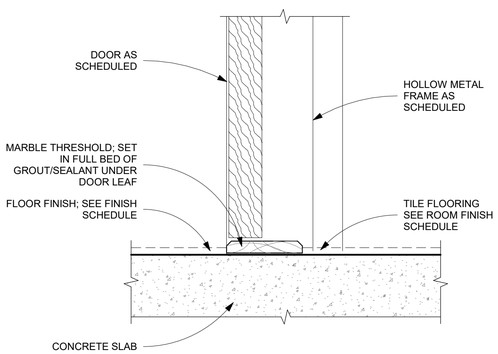


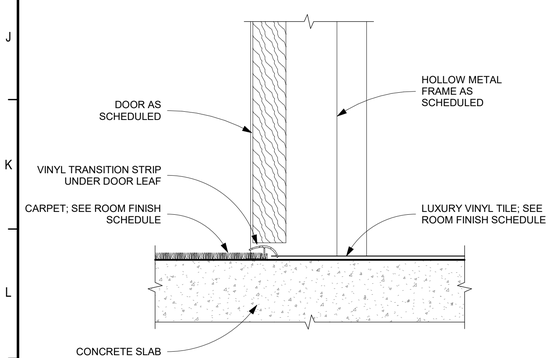
10 THRESHOLD - CPT TO CPT

A505 3" = 1'-0"



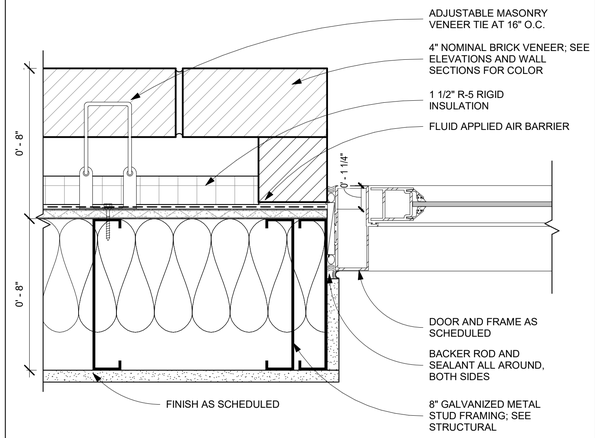
11 THRESHOLD - MARBLE

A505 3" = 1'-0"



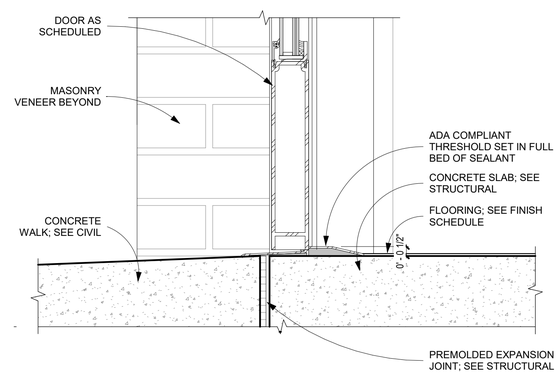
12 THRESHOLD - CPT TO LVT

A505 3" = 1'-0"



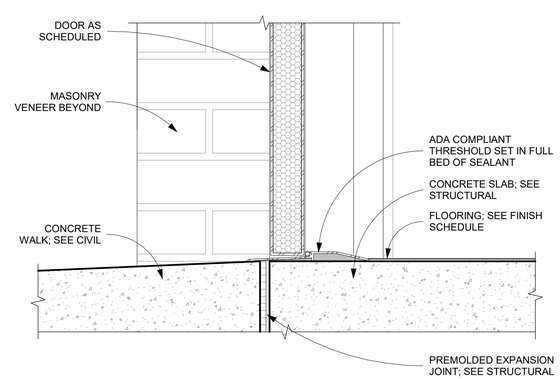
7 STOREFRONT JAMB AT EXT

A505 3" = 1'-0"



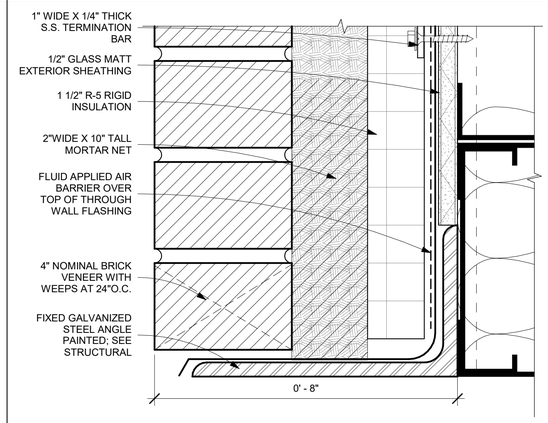
8 STOREFRONT SILL AT EXT

A505 3" = 1'-0"



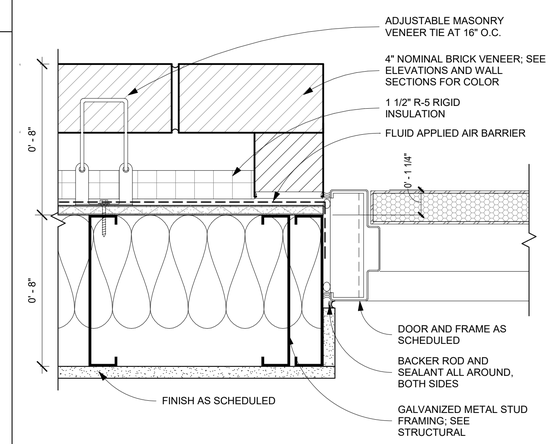
9 HM SILL AT EXT

A505 3" = 1'-0"



4 LINTEL DETAIL

A505 6" = 1'-0"



5 HM JAMB AT EXT

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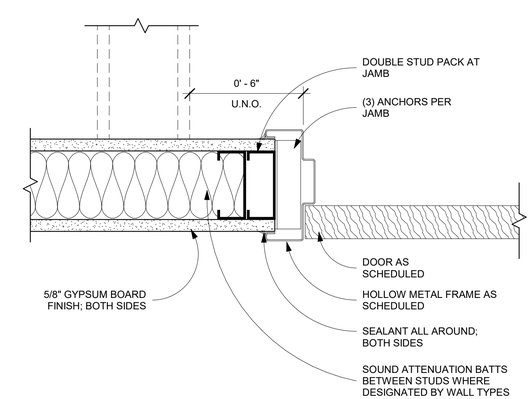
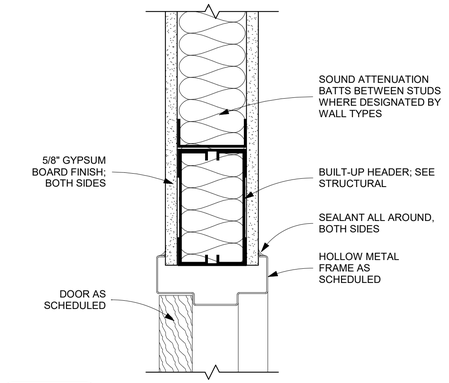


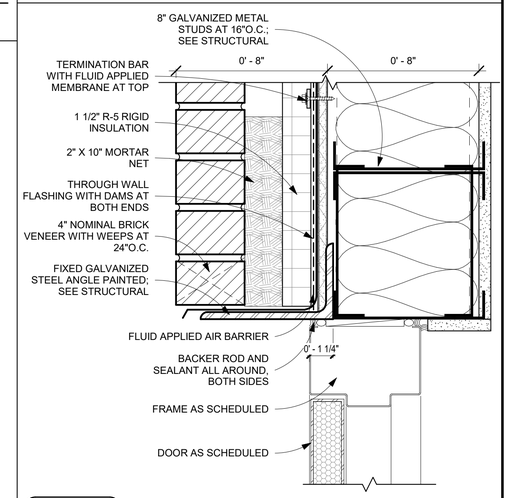
6 HM JAMB AT STUD

A505 3" = 1'-0"



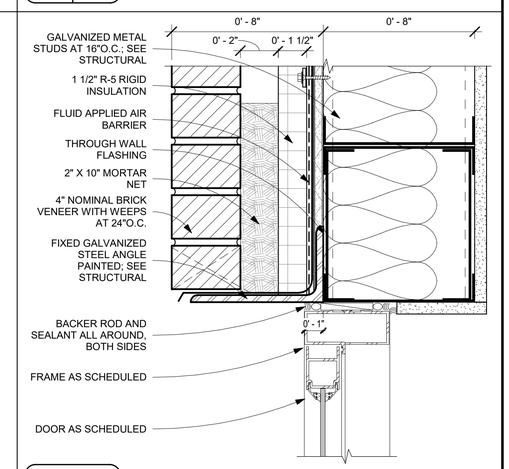
1 HM HEAD AT STUD

A505 3" = 1'-0"



2 HM HEAD AT EXT

A505 3" = 1'-0"



3 STOREFRONT HEAD AT EXT

A505 3" = 1'-0"

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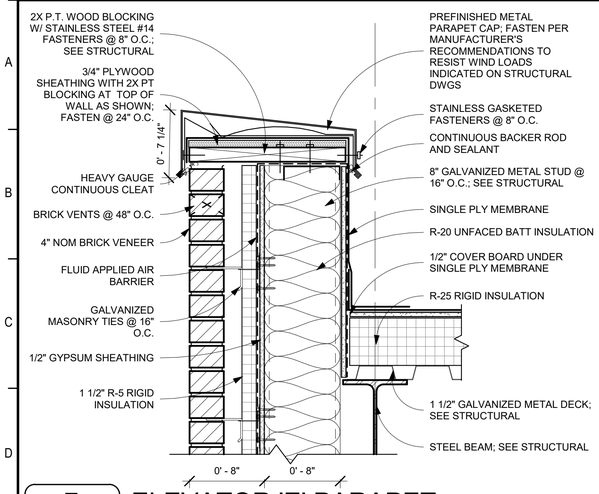
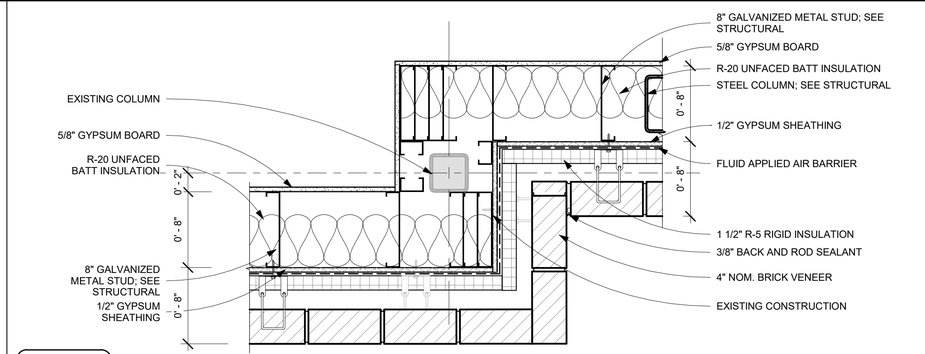


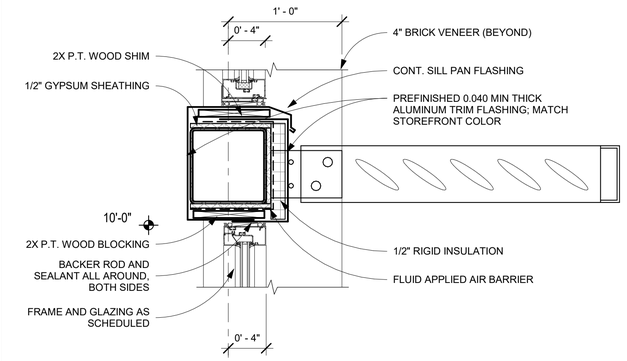
7 ELEVATOR 'E' PARAPET

A506 — 1 1/2" = 1'-0"



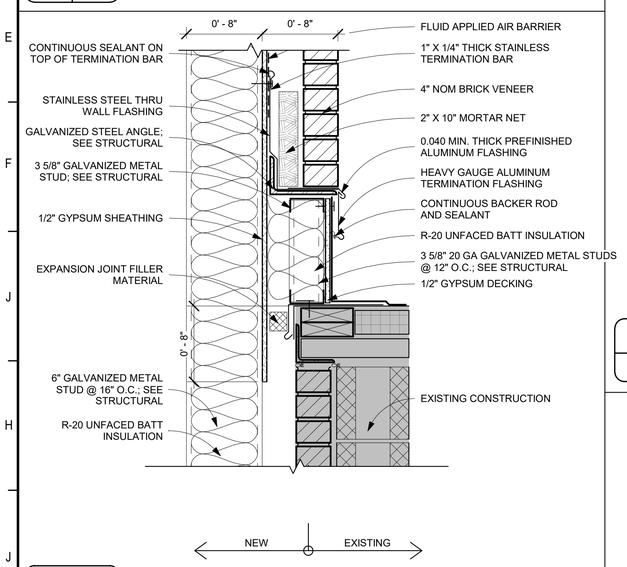
4 WALL INTERSECTS EXISTING COLUMN

A506 — 1 1/2" = 1'-0"



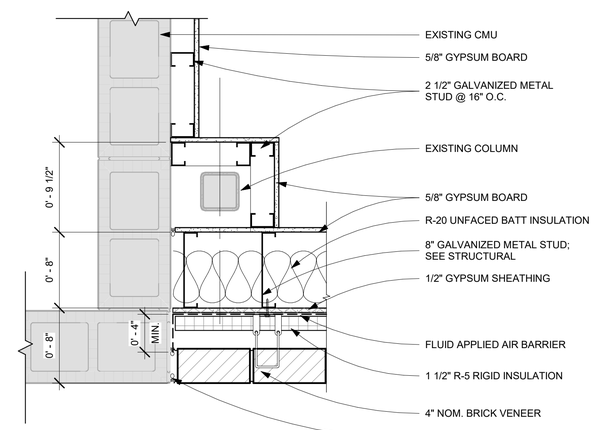
1 STOREFRONT HEAD AT STEEL BEAM

A506 — 1 1/2" = 1'-0"



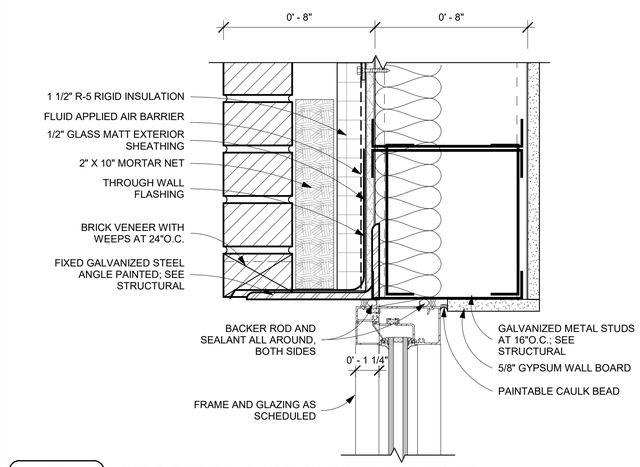
8 ELEVATOR 'E' TO EXISTING BLDG

A506 — 1 1/2" = 1'-0"



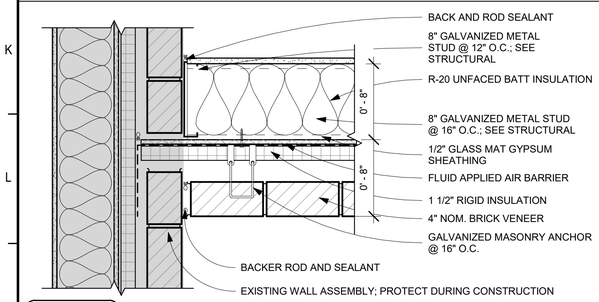
5 NEW WALL TO EXISTING BLDG 'D'

A506 — 1 1/2" = 1'-0"



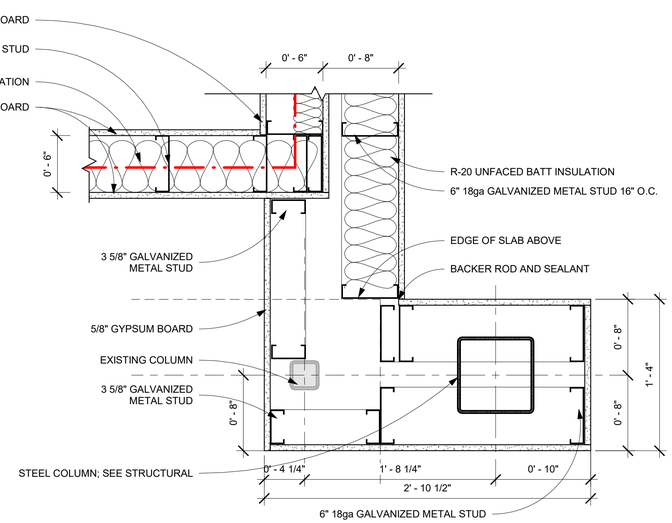
2 STOREFRONT HEAD AT EXT

A506 — 3" = 1'-0"



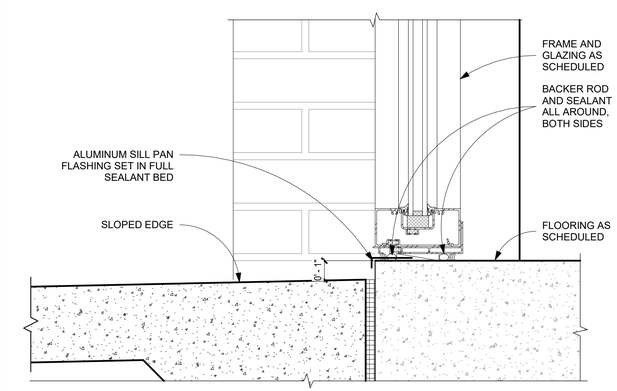
9 NEW WALL TO EXISTING BLDG 'D'

A506 — 1 1/2" = 1'-0"



6 ELEVATOR 'D' RIGHT COLUMN

A506 — 1 1/2" = 1'-0"



3 STOREFRONT SILL AT EXT

A506 — 3" = 1'-0"

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License No: AR 97710

PROJECT ISSUES:

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LJA ENGINEERING
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B&A ARCHITECTURAL GROUP
INTERIOR DESIGNER
B&A ARCHITECTURAL GROUP
STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
DETAILS

SHEET NUMBER:
A506

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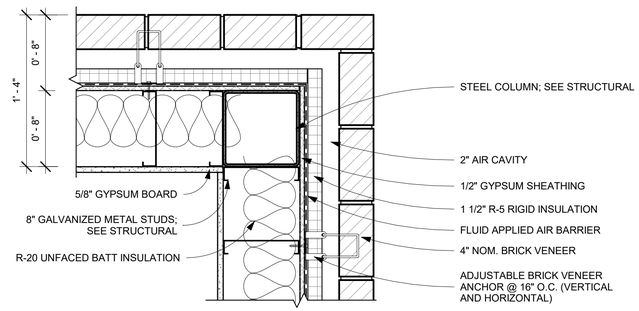
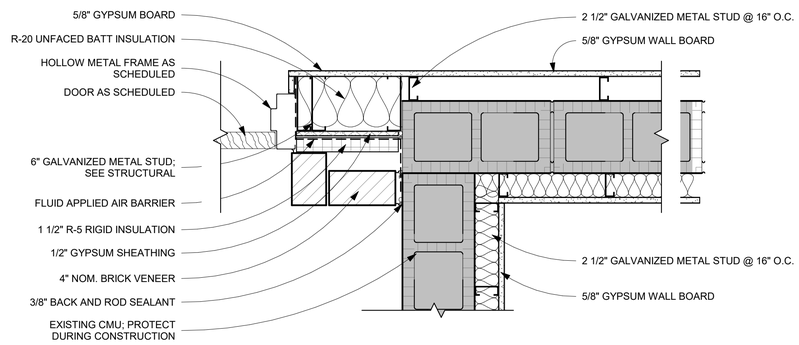


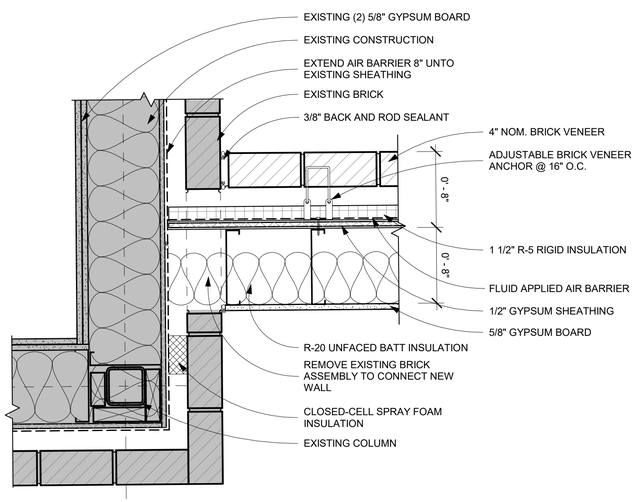
6 BLDG 'D' EXTERIOR CORNER

A507 1 1/2" = 1'-0"



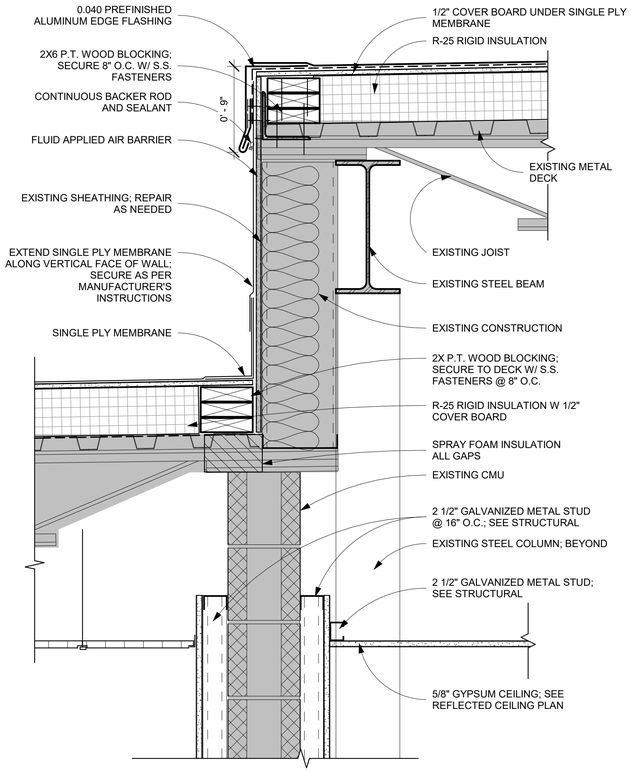
7 EXTERIOR WALL TO EXISTING CMU

A507 1 1/2" = 1'-0"



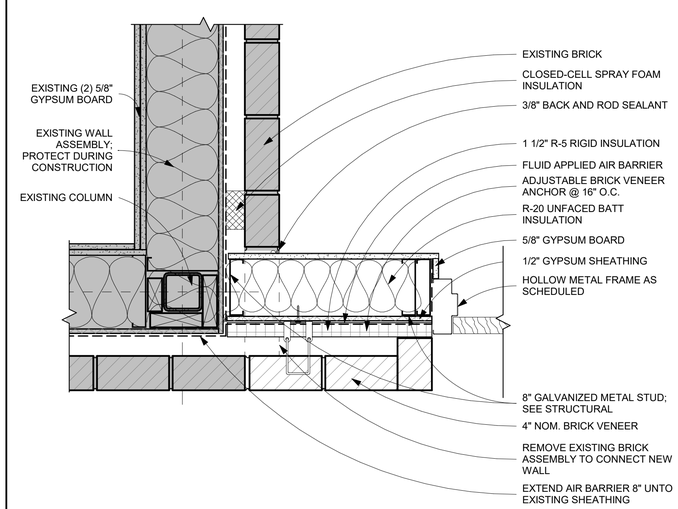
8 EXTERIOR WALL TO EXISTING

A507 1 1/2" = 1'-0"



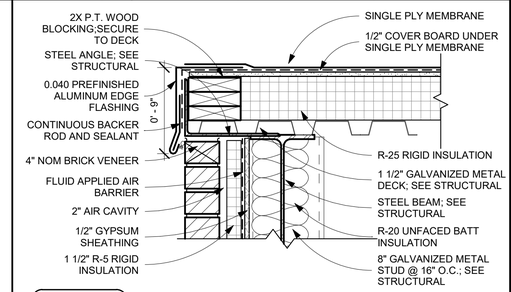
4 BREEZEWAY TO EXISTING CMU

A507 1 1/2" = 1'-0"



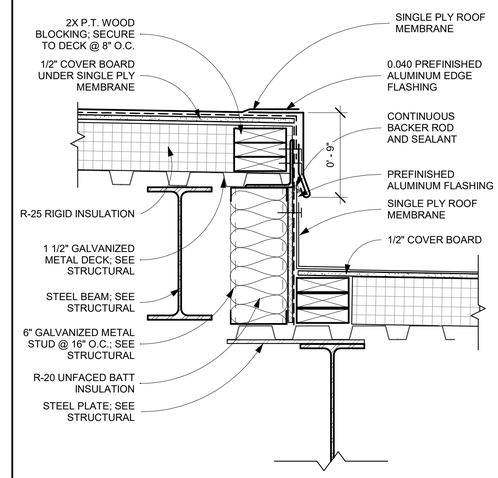
5 EXTERIOR WALL TO EXISTING WALL

A507 1 1/2" = 1'-0"



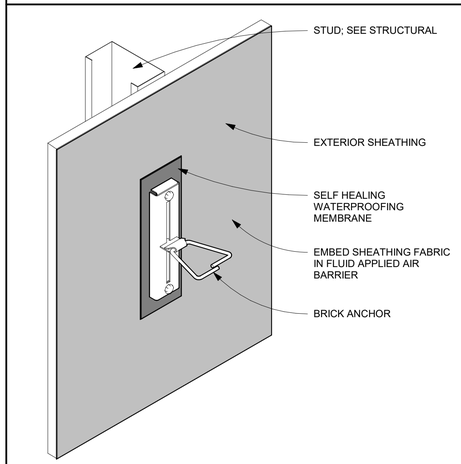
1 ELEVATOR 'D' ROOF

A507 1 1/2" = 1'-0"



2 ELEVATOR 'D' ROOF

A507 1 1/2" = 1'-0"



3 TYP. BRICK ANCHOR ATTACH

A507 3" = 1'-0"

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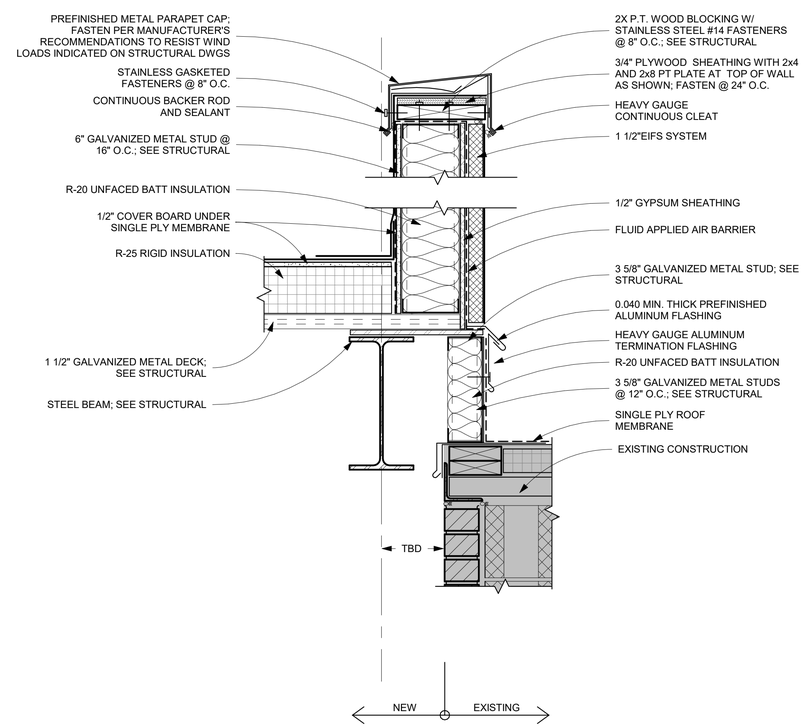
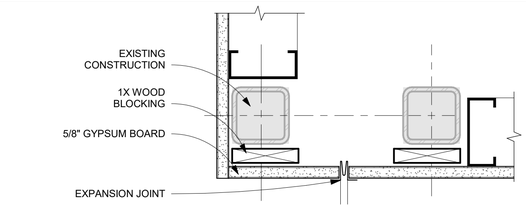


7 ELEVATOR 'E' TO EXISTING

A508 1 1/2" = 1'-0"



4 COLUMN IN PRAYER AREA

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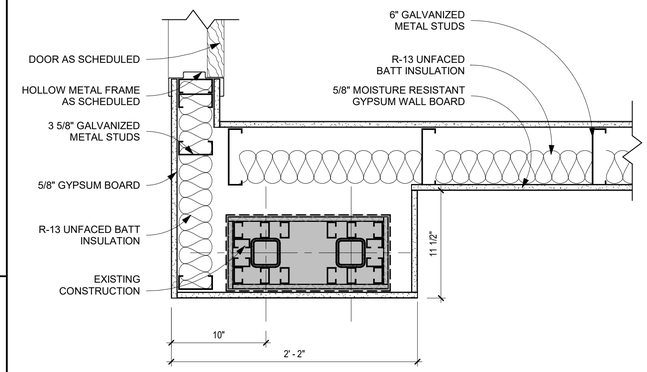
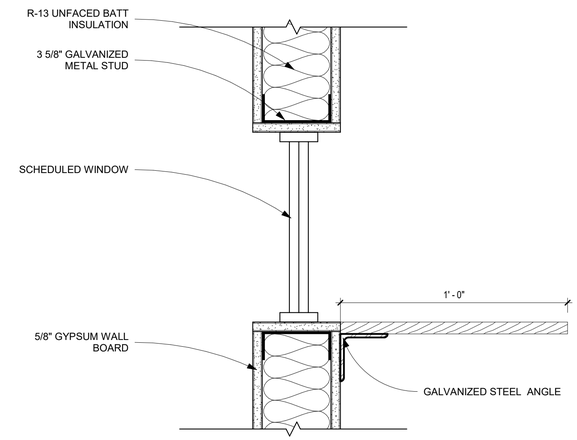


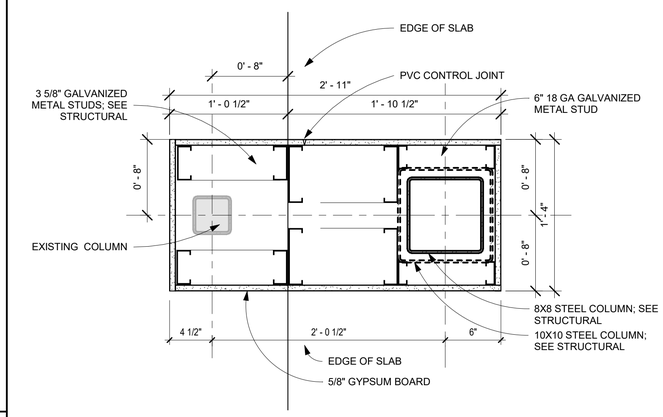
1 COLUMN AT MECH - 107

A508 1 1/2" = 1'-0"



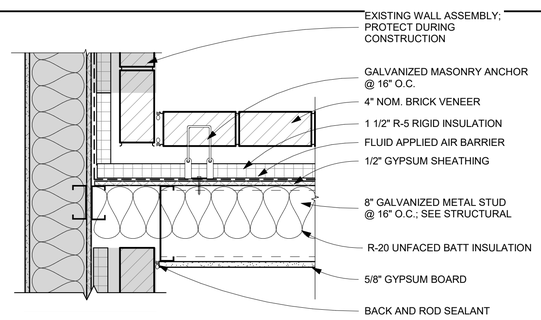
5 ADMIN WINDOW

A508 3" = 1'-0"



2 TYPICAL COLUMN DETAIL

A508 1 1/2" = 1'-0"

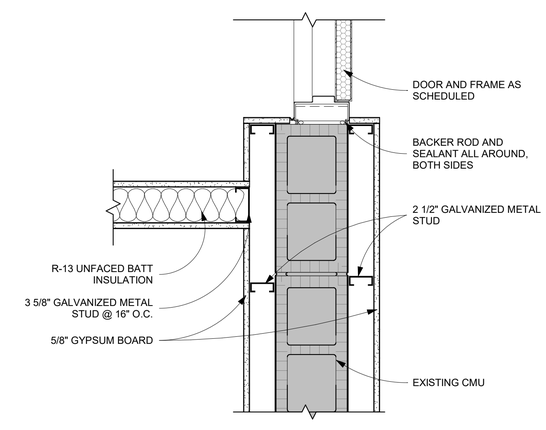


8 NEW WALL TO EXISTING BLDG 'C'

A508 1 1/2" = 1'-0"

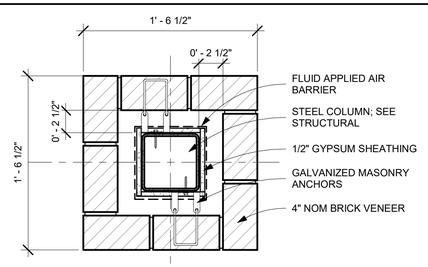
6 EXTERIOR WALL W/ FOOTING

A508 1 1/2" = 1'-0"



3 NEW WALL TO EXISTING BLDG 'D'

A508 1 1/2" = 1'-0"



9 BLDG 'E' EXTERIOR COLUMN

A508 1 1/2" = 1'-0"

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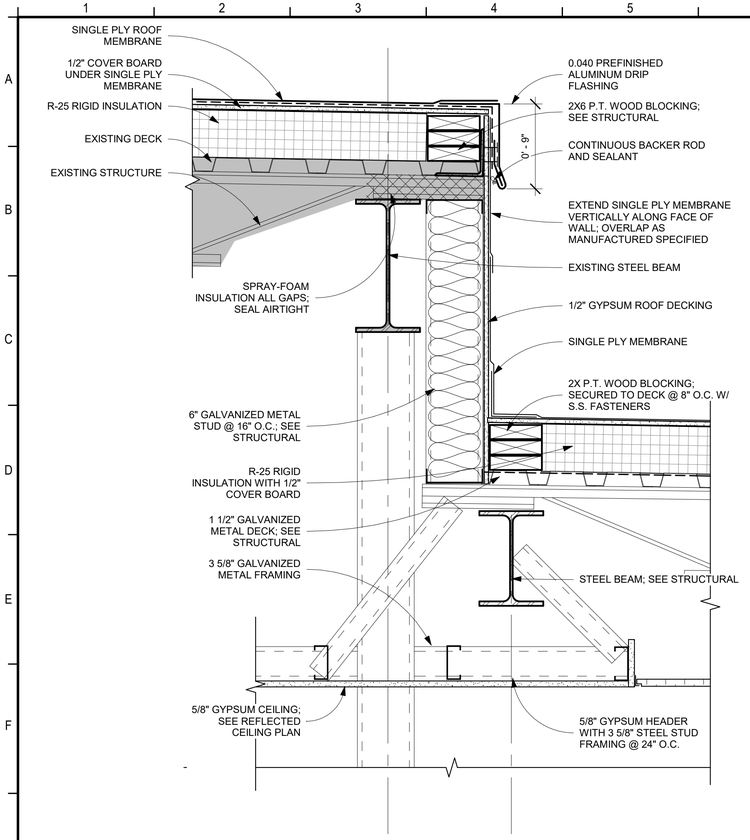
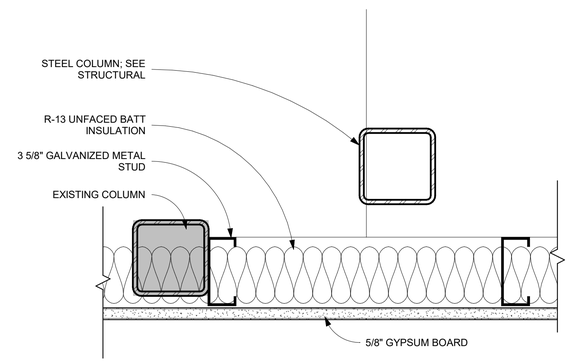


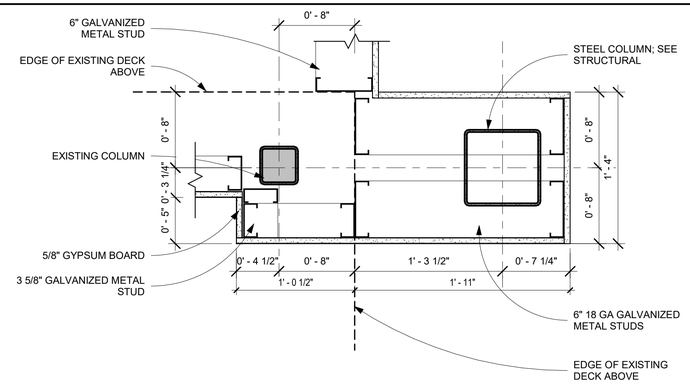
7 BREEZEWAY TO NEW

A509 — 1 1/2" = 1'-0"



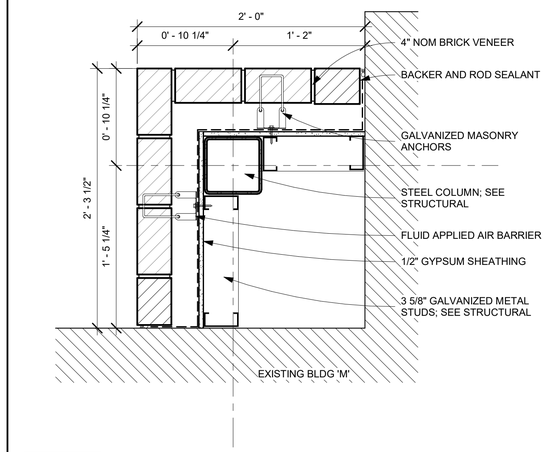
4 ENLARGED DETAILS AT COLUMNS

A509 — 3" = 1'-0"



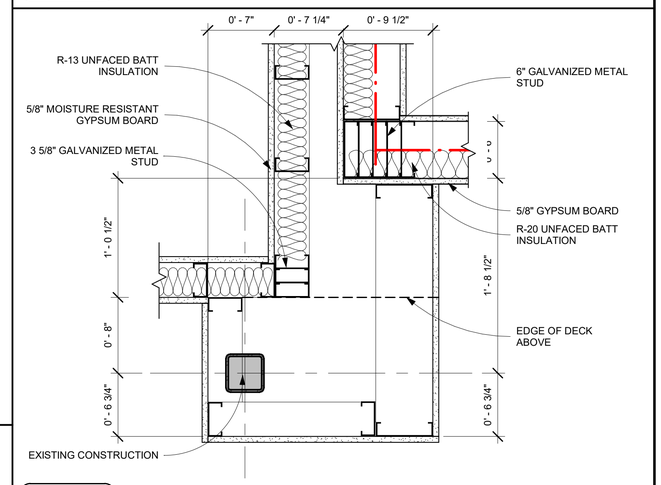
5 COLUMN DETAIL

A509 — 1 1/2" = 1'-0"



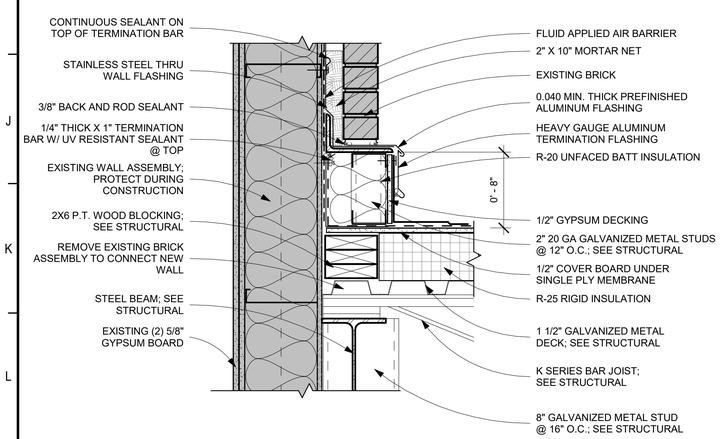
1 ENLARGED COLUMN DETAIL

A509 — 1 1/2" = 1'-0"



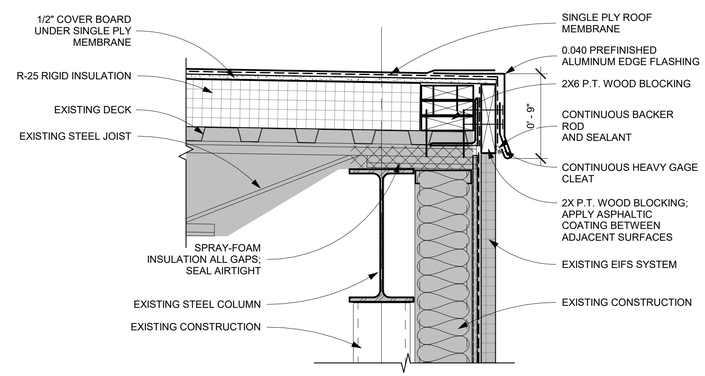
2 ENLARGED COLUMN DETAIL

A509 — 1 1/2" = 1'-0"



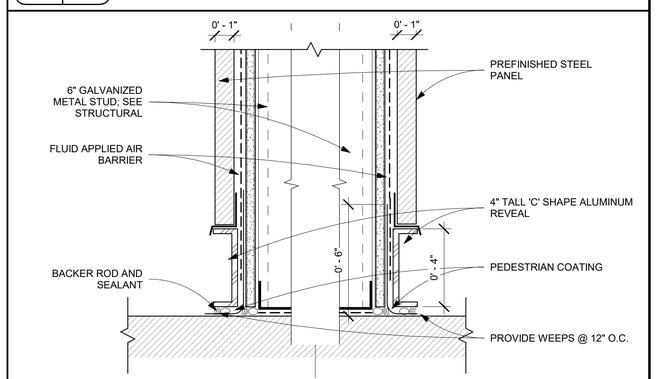
8 EXTERIOR WALL TO EXISTING WALL

A509 — 1 1/2" = 1'-0"



6 BREEZEWAY TO NEW

A509 — 1 1/2" = 1'-0"



3 BASE DETAIL

A509 — 3" = 1'-0"

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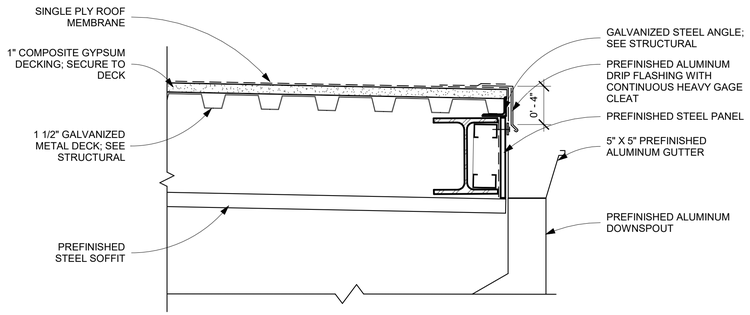
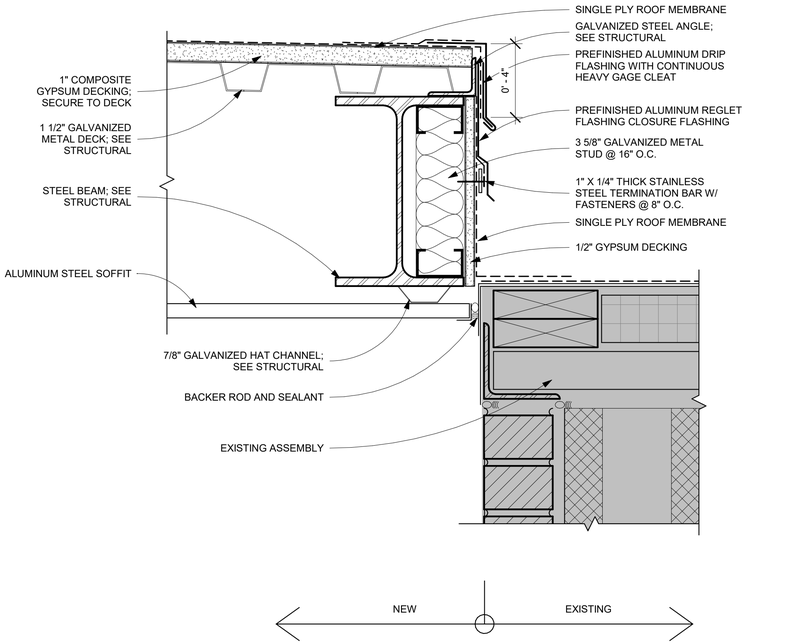


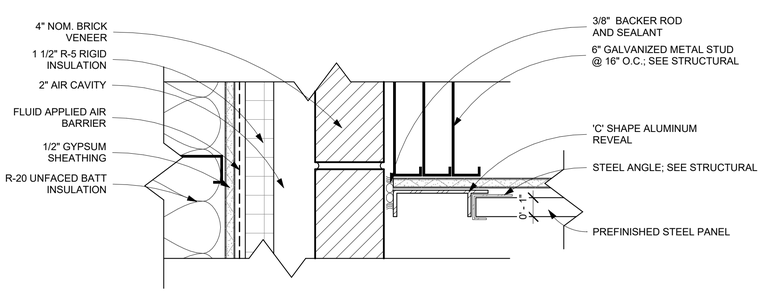
9 ROOF AT DOWNSPOUT

A510 1 1/2" = 1'-0"



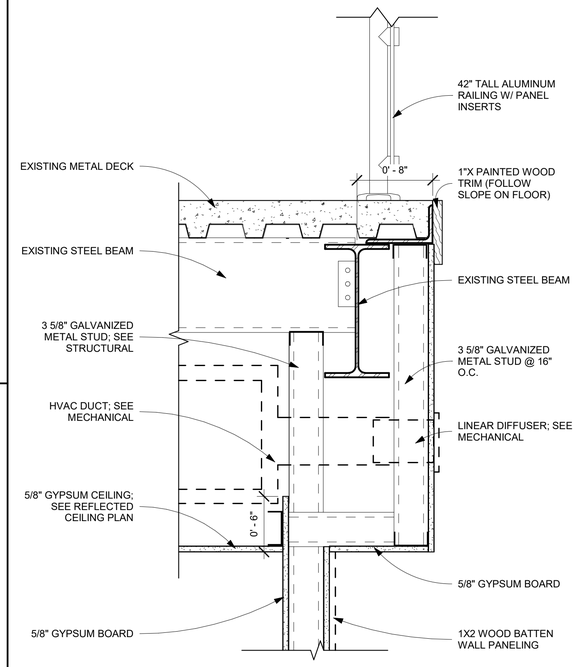
10 ROOF TO EXISTING BLDG 'E'

A510 3" = 1'-0"



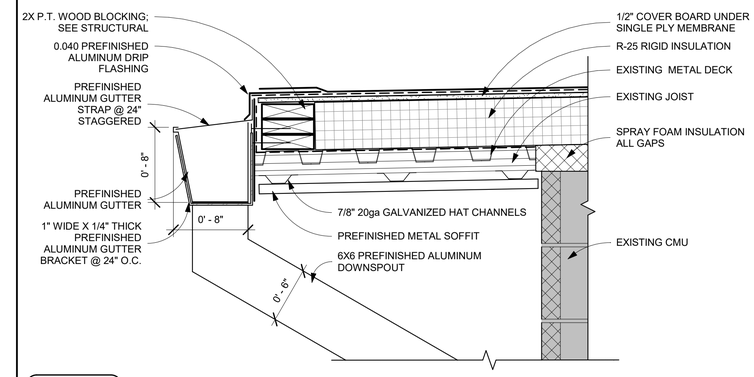
11 WALL TO BRICK DETAIL

A510 3" = 1'-0"



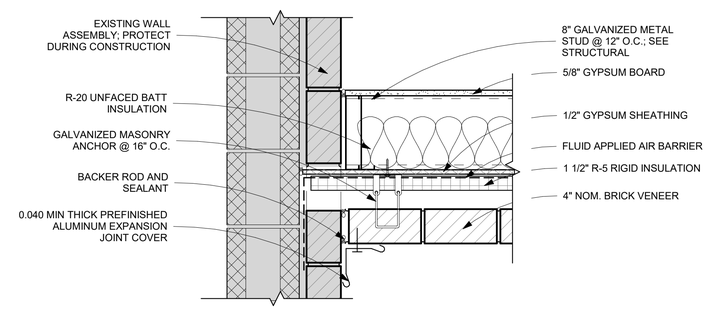
7 RAILING ON BREEZEWAY

A510 1 1/2" = 1'-0"



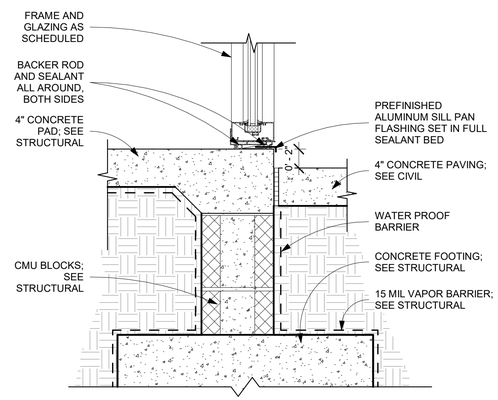
1 ROOF AT DOWNSPOUT

A510 1 1/2" = 1'-0"



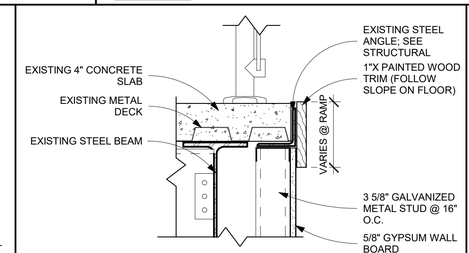
2 NEW WALL TO EXISTING BLDG 'C'

A510 1 1/2" = 1'-0"



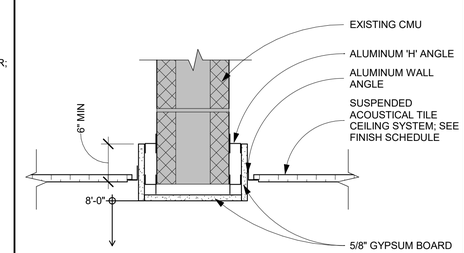
8 EXTERIOR WALL W/ FOOTING

A510 1 1/2" = 1'-0"



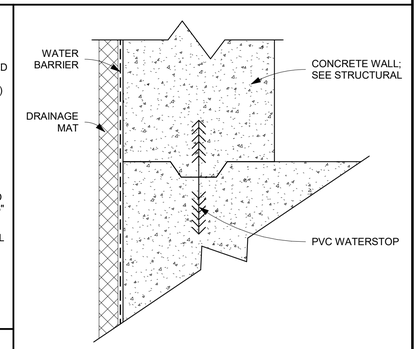
5 BREEZEWAY FLOOR

A510 1 1/2" = 1'-0"



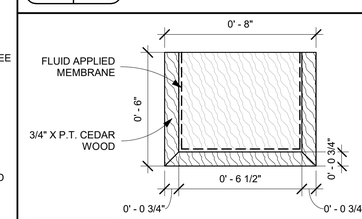
6 BLDG 'E' NEW TO EXIST

A510 1 1/2" = 1'-0"



3 CONCRETE DETAIL

A510 3" = 1'-0"



4 CUSTOM PLANTER

A510 3" = 1'-0"

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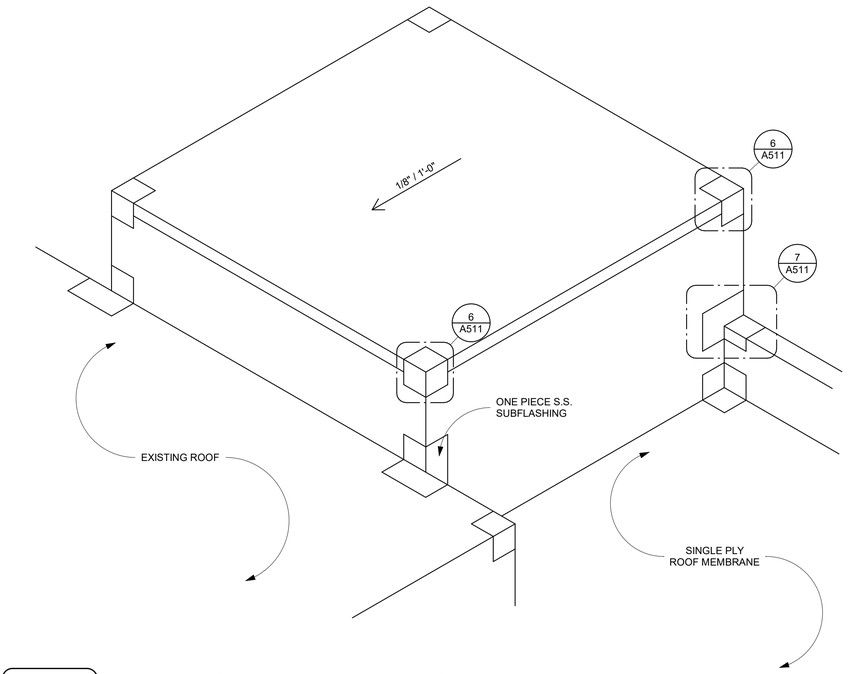
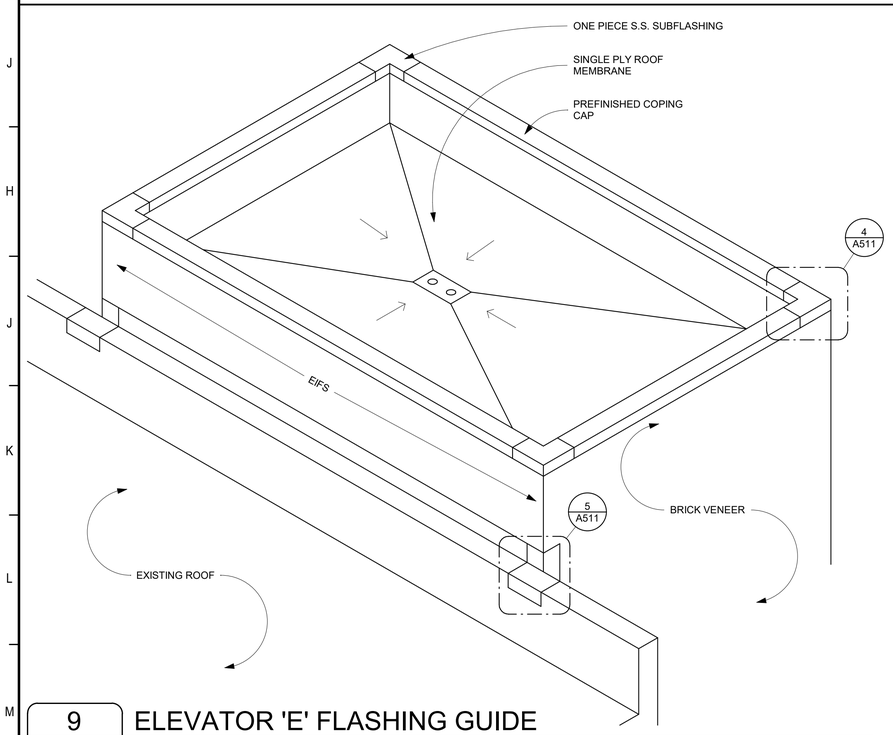


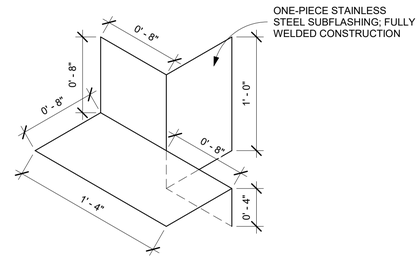
8 ELEVATOR 'D' FLASHING GUIDE

A511 1/2" = 1'-0"



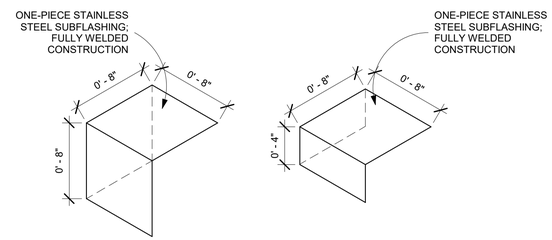
9 ELEVATOR 'E' FLASHING GUIDE

A511 3/8" = 1'-0"



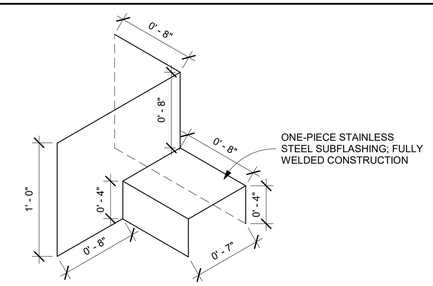
5 ELEVATOR 'E' FLASHING TO WALL

A511 1 1/2" = 1'-0"



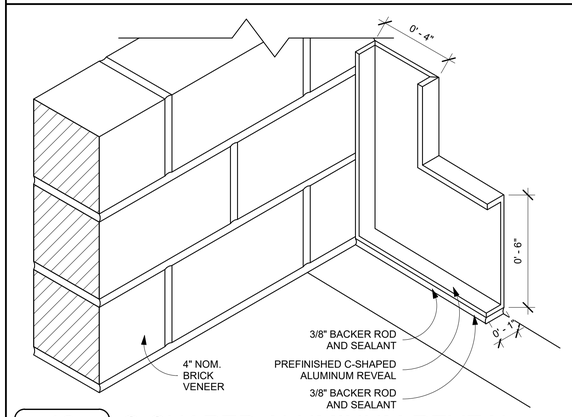
6 ELEVATOR 'D' CORNER FLASHING

A511 1 1/2" = 1'-0"



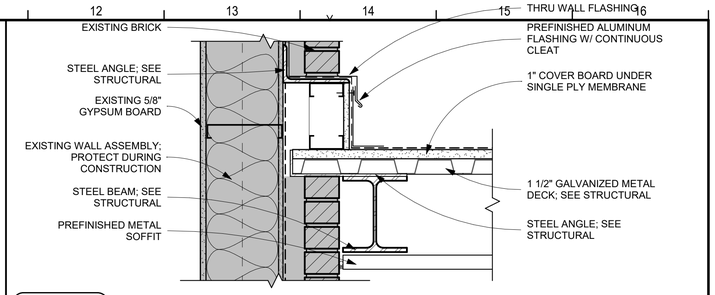
7 ELEVATOR 'D' FLASHING

A511 1 1/2" = 1'-0"



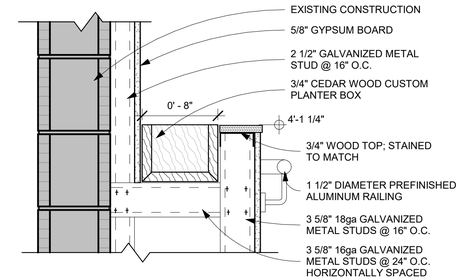
10 C-SHAPED ALUMINUM REVEAL

A511 3" = 1'-0"



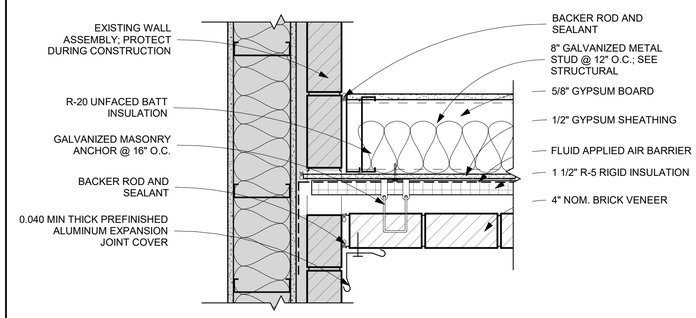
1 ROOF TO EXISTING BLDG

A511 1 1/2" = 1'-0"



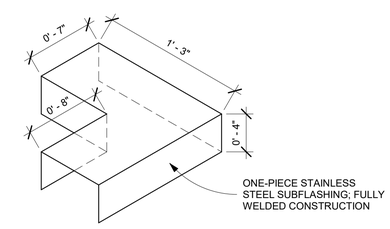
2 PLANTER IN WALL

A511 1 1/2" = 1'-0"



3 NEW WALL TO EXISTING BLDG 'C'

A511 1 1/2" = 1'-0"



4 ELEVATOR 'E' CORNER FLASHING

A511 1 1/2" = 1'-0"

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License No: AR 97710

PROJECT ISSUES:

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ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
DETAILS

SHEET NUMBER:
A511

PRINT DATE: 9/15/2026 4:56:38 PM

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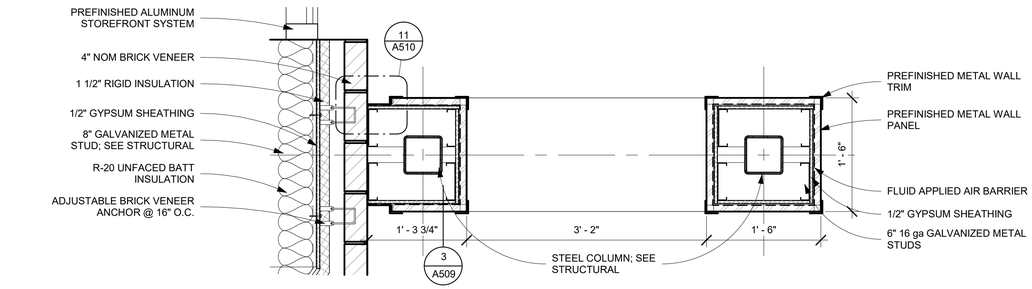
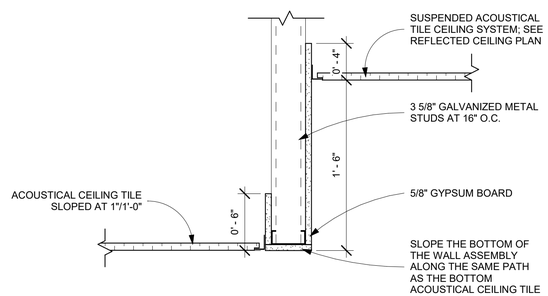
CONSTRUCTION DOCUMENTS



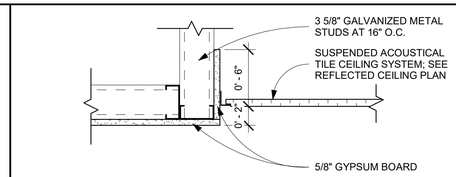
2 ENLARGED COLUMN DETAILS

A101 | A512 — 1" = 1'-0"



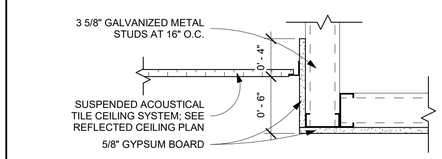
7 BREEZEWAY TRANSITION

A512 — 1 1/2" = 1'-0"



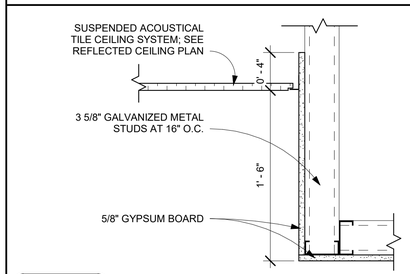
3 GYPSUM TO ACT

A512 — 1 1/2" = 1'-0"



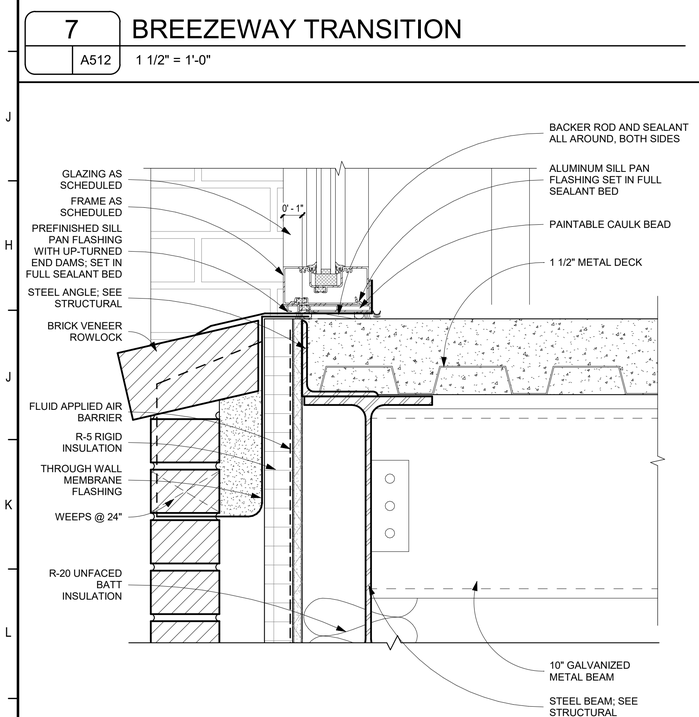
4 ACT IN BREEZEWAY

A512 — 1 1/2" = 1'-0"



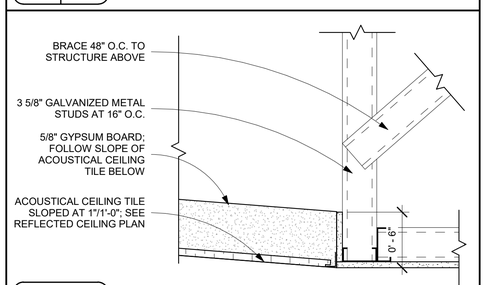
5 BREEZEWAY TRANSITION

A512 — 1 1/2" = 1'-0"



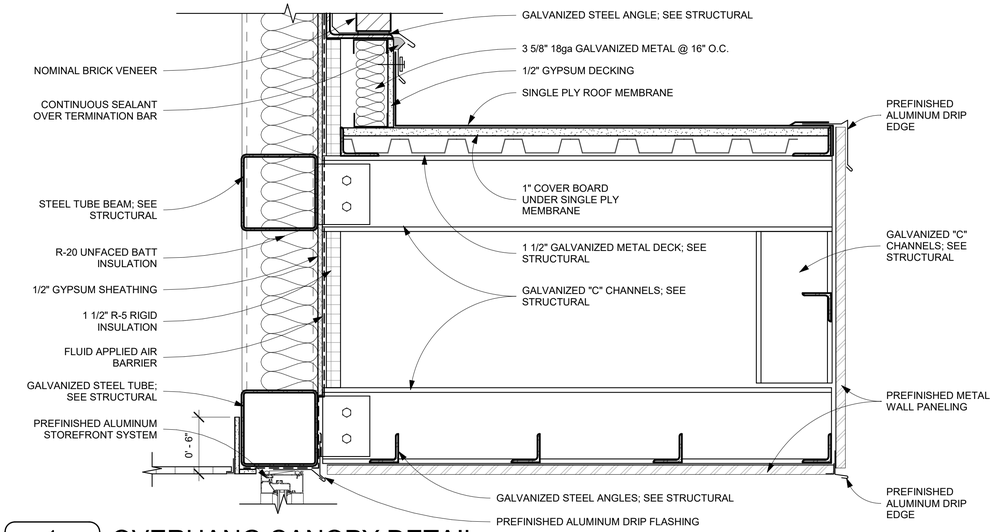
8 STOREFRONT SILL AT STUD/FURRING

A512 — 3" = 1'-0"



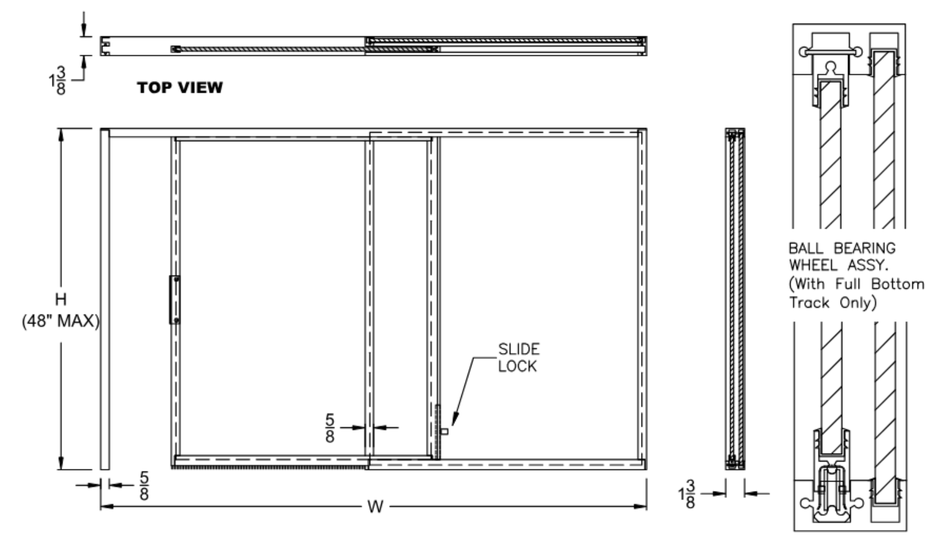
6 SLOPED ACT TRANSITION

A512 — 1 1/2" = 1'-0"



1 OVERHANG CANOPY DETAIL

A512 — 1 1/2" = 1'-0"



PRODUCT DATA GLAZING FRAME

BASIS OF DESIGN:
MANUF: CRL
NAME: FALLBROOK
SIZE: 1/4"
COLOR: TBD
MODEL #: -

WEBSITE:
https://www.crlaurence.com/All-Products/Service-%26-Security-Systems/Service-Windows/Sliding-Service-Windows/CRL-Satin-Anodized-Horizontal-Sliding-Service-Window-XO-or-OX-Format-with-1-4%22-Glass-Only---No-Screen/p/SW1814A

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CONSTRUCTION DOCUMENTS

DOOR SCHEDULE - BLDG 'D' LEVEL 1

MARK	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR UNDERCUT	DOOR GLAZING	FRAME TYPE	FRAME FINISH	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	FIRE RATING	HARDWARE SET NO.	REMARKS
100A	6' - 0"	7' - 0"	0' - 1 3/4"	FG	ALUM	AA		G2	1	AA	3/A505	7/A505	8/A505	-	HW#1	1, 2, 5, 6
100B	6' - 0"	7' - 0"	0' - 1 3/4"	FG	ALUM	AA		G2	1	AA	3/A505	7/A505	8/A505	-	HW#1	1, 2, 5, 6
100C	3' - 0"	7' - 0"	0' - 1 3/4"	FG	ALUM	AA		G2	1	AA	3/A505	7/A505	8/A505	-	HW#1	1, 2, 5, 6
100D	6' - 0"	7' - 0"	0' - 1 3/4"	FG	ALUM	AA		G2	1	AA	3/A505	7/A505	8/A505	-	HW#1	1, 2, 5, 6
100E	6' - 0"	7' - 0"	0' - 1 3/4"	FG	ALUM	AA		G2	1	AA	3/A505	7/A505	8/A505	-	HW#1	1, 2, 5, 6
100F	6' - 0"	7' - 0"	0' - 1 3/4"	FG	ALUM	AA		G2	1	AA	3/A505	7/A505	8/A505	-	HW#1	1, 2, 5, 6
105	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	11/A505	-	HW#2	1, 2, 5
106	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	11/A505	-	HW#2	1, 2, 5
107	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#3	1, 2, 5
108	6' - 0"	7' - 0"	0' - 1 3/4"	FG	ALUM	AA		G1	1	AA	-	-	12/A505	-	HW#1	1, 2, 5
109	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#3	1, 2, 5
110	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	11/A505	-	HW#2	1, 2, 5
111A	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5
111B	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5
112	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#5	1, 2, 5
113	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5
114	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5
115	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#5	1, 2, 5
116	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5
117	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5
118	2' - 6"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#3	1, 2, 5
119A	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5
119B	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#7	1, 2, 5
120	2' - 6"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	11/A505	-	HW#2	1, 2, 5
121	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT		-	1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5

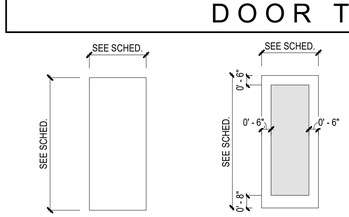
DOOR SCHEDULE - BLDG 'D' LEVEL 2

MARK	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR UNDERCUT	DOOR GLAZING	FRAME TYPE	FRAME FINISH	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	FIRE RATING	HARDWARE SET NO.	REMARKS
200	6' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT			1	PT	1/A505	6/A505	-	1HR	HW#8	1, 2, 5
203	6' - 0"	7' - 0"	0' - 1 3/4"	FG	ALUM	AA		G1	1	AA	-	-	-	-	HW#1	1, 2, 5
204	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT			1	PT	1/A505	6/A505	12/A505	-	HW#4	1, 2, 5
205	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT			1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5
206	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT			1	PT	1/A505	6/A505	-	-	HW#3	1, 2, 5
207	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT			1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5
208	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT			1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5
209	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT			1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5
210	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT			1	PT	1/A505	6/A505	11/A505	-	HW#2	1, 2, 5
211	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT			1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5
212	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT			1	PT	1/A505	6/A505	-	-	HW#4	1, 2, 5
213	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PT			1	PT	1/A505	6/A505	11/A505	-	HW#2	1, 2, 5

DOOR SCHEDULE - BLDG 'E'

MARK	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR UNDERCUT	DOOR GLAZING	FRAME TYPE	FRAME FINISH	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	FIRE RATING	HARDWARE SET NO.	REMARKS
E01	6' - 0"	7' - 0"	0' - 1 3/4"	FG	ALUM	AA		G2	1	AA	2/A505	5/A505	9/A505	-	HW#1	1, 2, 5, 6
E02	6' - 0"	7' - 0"	0' - 1 3/4"	FG	ALUM	AA		G2	1	AA	2/A505	5/A505	9/A505	-	HW#1	1, 2, 5, 6

DOOR TYPES



F
FLUSH DOOR

FG
FULL GLASS

ABBREVIATION

AA	ANODIZED ALUMINUM
ALUM	ALUMINUM
HM	HOLLOW METAL
SCW	SOLID CORE WOOD
PT	PAINT
GWB	GYPSUM WALL BOARD
MRGWB	MOISTURE RESISTANT GYPSUM WALL BOARD
WD	WOOD
TBD	TO BE DETERMINED

GLAZING SCHEDULE

G1 1/4" CLEAR ANNEALED, FULLY TEMPERED FLOAT GLASS

G2 9/16" LAMINATED IMPACT RATED GLAZING (1/4" H.S., .060, VS02, 1/4" H.S.

SHGC: 30
U-FACTOR: 29

G-3 1 5/16" INSULATED LAMINATED IMPACT RATED GLAZING (1/4" T/HS, 0.090 SENTRY GLAS, 1/4" T/HS)

SHGC: 30
U-FACTOR: 29

TINT NOTE: SOLARBAN 60 (2) OPTIGRAY + CLEAR

REMARKS

1. ALL FINISHES TO BE SELECTED BY OWNER
2. PREP ALL SURFACES PRIOR TO APPLICATION OF FINISHES
3. FOLLOW TCNA GUIDELINES FOR ALL CERAMIC TILE INSTALLATION
4. PROVIDE 48" TALL RFP PANEL ALONG REAR AND SIDE OF MOP SINK - OWNER TO SELECT FINAL PRODUCT
5. FINAL SELECTION OF DOOR HARDWARE TO BE SELECTED BY OWNER
6. INSTALL ADA COMPLAINT THRESHOLD AND PERIMETER DOOR SEALS

GENERAL NOTES

1. FOLLOW ALL MANUFACTURER'S INSTRUCTIONS FOR PREPPING AND PAINTING ALL SURFACES
2. PROVIDE LEVEL 5 FINISH, SMOOTH SURFACES AT ALL NEW GYPSUM ASSEMBLIES
3. ENSURE THAT ALL FLOOR SURFACES ARE LEVEL AND PLUMB PRIOR TO INSTALLATION OF ALL FLOOR FINISHES
4. PROVIDE BLOCKING AT ALL INTERIOR WALLS WHERE THERE ARE WALL MOUNTED ACCESSORIES OR OBJECTS. COORDINATE WITH OWNER FOR ADDITIONAL LOCATIONS
5. SUBMIT OWNER WITH ALL PRODUCT WARRANTIES AND INSTRUCTION MANUALS
6. ALL EXTERIOR WINDOWS AND DOOR GLAZING SHALL BE IMPACT RESISTANT MEETING FLORIDA HIGH VELOCITY RATING. SHALL MEET 150MPH ULTIMATE DESIGN WIND PRESSURE.
7. INTERIOR PASS-THRU WINDOWS GLAZING SHALL BE TEMPERED SAFETY GLAZING AND SHALL MEET FLORIDA BUILDING CODE SAFETY REQUIREMENTS

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STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
DOOR AND WINDOW SCHEDULE

SHEET NUMBER:
A600

PRINT DATE: 9/15/2026 4:56:59 PM

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FINISH SCHEDULE - BLDG 'D' LEVEL 1

		FLOOR		BASE		WALLS								CEILING		
						NORTH		EAST		SOUTH		WEST				
ROOM No.	Name	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	REMARKS
100	ENTRY RECEPTIONIST	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
101	CAFE	CONC	TBD	GWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	PT	1, 2, 3
102	BREEZEWAY	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	ACT/PT	1, 2
103	LOUNGE AREA	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
104	ELEVATOR	CONC	TBD	MRGWB	-	MRGWB	-	MRGWB	-	MRGWB	-	MRGWB	-	-	-	-
105	MEN'S	CONC	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	PT	1, 2, 3
106	WOMEN'S	CONC	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	PT	1, 2, 3
107	MECH	CONC	TBD	MRGWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
108	RECEPTION	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
109	ELEC	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
110	TLT	CONC	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	PT	1, 2, 3
111	FRONT DESK ADMIN	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
112	HALL	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
113	COPY ROOM	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
114	ADMIN	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
115	BREAKROOM	CONC	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	PT	1, 2, 3
116	EXECUTIVE PASTOR	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
117	ADMIN	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
118	STOR	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
119	PASTOR	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
120	TLT	CONC	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	PT	1, 2, 3
121	STUDY	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2

FINISH SCHEDULE - BLDG 'D' LEVEL 2

		FLOOR		BASE		WALLS								CEILING		
						NORTH		EAST		SOUTH		WEST				
ROOM No.	Name	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	REMARKS
200	BREEZEWAY	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	ACT/PT	1, 2
201	ELEVATOR	CONC	-	MRGWB		MRGWB	-	MRGWB	-	MRGWB	-	MRGWB	-	-	-	-
202	PRAYER AREA	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	ACT/PT	1, 2
203	HALL	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
204	ADMIN 1	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
205	ADMIN 2	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
206	STOR	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
207	ADMIN STOR	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
208	FINANCIAL ADMIN	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
209	PASTOR 3	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
210	TLT	CONC	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	-	ACT	1, 2, 3
211	PASTOR 1	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
212	PASTOR 2	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
213	TLT	CONC	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	MRGWB	TBD	-	ACT	1, 2, 3
214	HIVE	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2

FINISH SCHEDULE - BLDG 'E'

		FLOOR		BASE		WALLS								CEILING		
						NORTH		EAST		SOUTH		WEST				
ROOM No.	Name	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	REMARKS
E100	LOBBY	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
E101	ELEVATOR	CONC	-	MRGWB	-	MRGWB	-	MRGWB	-	MRGWB	-	MRGWB	-	-	-	-
E103	FOYER	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
E200	LOBBY	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2
E201	ELEVATOR	-	-	MRGWB	-	MRGWB	-	MRGWB	-	MRGWB	-	MRGWB	-	-	-	-
E203	FOYER	CONC	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	GWB	TBD	-	ACT	1, 2

WINDOW SCHEDULE

Type Mark	Height	Width	Sill Height	Frame Material	Description
A	3' - 0"	3' - 0"	3' - 9"	ALUM	SLIDING
B	3' - 0"	6' - 0"	3' - 0"	ALUM	SLIDING

ABBREVIATION

AA	ANODIZED ALUMINUM
ALUM	ALUMINUM
HM	HOLLOW METAL
SCW	SOLID CORE WOOD
PT	PAINT
GWB	GYPSUM WALL BOARD
MRGWB	MOISTURE RESISTANT GYPSUM WALL BOARD
WD	WOOD
TBD	TO BE DETERMINED

GLAZING SCHEDULE

G1 1/4" CLEAR ANNEALED, FULLY TEMPERED FLOAT GLASS

G2 9/16" LAMINATED IMPACT RATED GLAZING (1/4" H.S., .060, VS02, 1/4" H.S.

SHGC: 30
U-FACTOR: 29

G-3 1 5/16" INSULATED LAMINATED IMPACT RATED GLAZING (1/4" T/HS, 0.090 SENTRY GLAS, 1/4" T/HS)

SHGC: 30
U-FACTOR: 29

TINT NOTE: SOLARBAN 60 (2) OPTIGRAY + CLEAR

REMARKS

1. ALL FINISHES TO BE SELECTED BY OWNER
2. PREP ALL SURFACES PRIOR TO APPLICATION OF FINISHES
3. FOLLOW TCNA GUIDELINES FOR ALL CERAMIC TILE INSTALLATION
4. PROVIDE 48" TALL RFP PANEL ALONG REAR AND SIDE OF MOP SINK - OWNER TO SELECT FINAL PRODUCT
5. FINAL SELECTION OF DOOR HARDWARE TO BE SELECTED BY OWNER
6. INSTALL ADA COMPLAINT THRESHOLD AND PERIMETER DOOR SEALS

GENERAL NOTES

1. FOLLOW ALL MANUFACTURER'S INSTRUCTIONS FOR PREPPING AND PAINTING ALL SURFACES
2. PROVIDE LEVEL 5 FINISH, SMOOTH SURFACES AT ALL NEW GYPSUM ASSEMBLIES
3. ENSURE THAT ALL FLOOR SURFACES ARE LEVEL AND PLUMB PRIOR TO INSTALLATION OF ALL FLOOR FINISHES
4. PROVIDE BLOCKING AT ALL INTERIOR WALLS WHERE THERE ARE WALL MOUNTED ACCESSORIES OR OBJECTS. COORDINATE WITH OWNER FOR ADDITIONAL LOCATIONS
5. SUBMIT OWNER WITH ALL PRODUCT WARRANTIES AND INSTRUCTION MANUALS
6. ALL EXTERIOR WINDOWS AND DOOR GLAZING SHALL BE IMPACT RESISTANT MEETING FLORIDA HIGH VELOCITY RATING. SHALL MEET 150MPH ULTIMATE DESIGN WIND PRESSURE.
7. INTERIOR PASS-THRU WINDOWS GLAZING SHALL BE TEMPERED SAFETY GLAZING AND SHALL MEET FLORIDA BUILDING CODE SAFETY REQUIREMENTS

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INTERIOR DESIGNER
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STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
DOOR AND WINDOW SCHEDULE

SHEET NUMBER:
A601

PRINT DATE: 9/15/2026 4:56:59 PM

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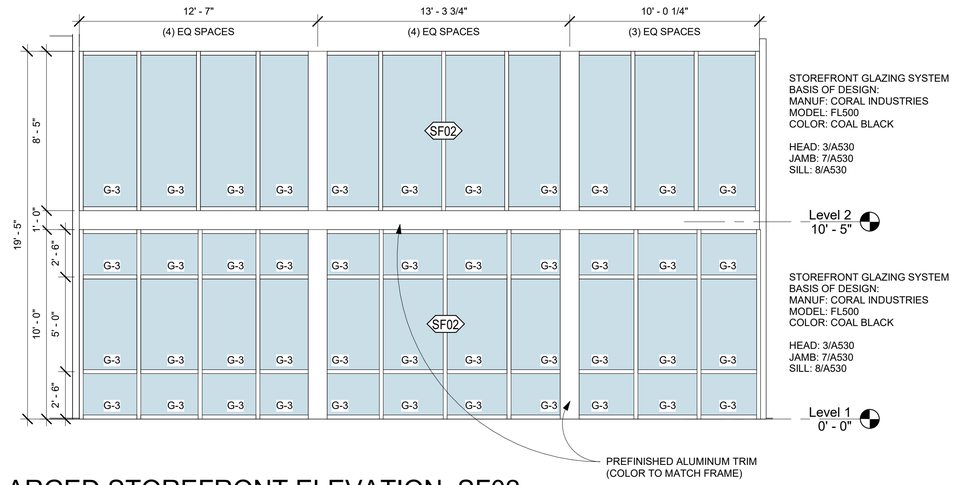
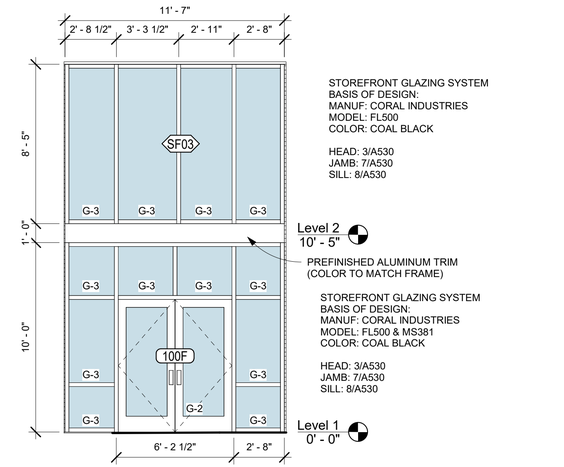
CONSTRUCTION DOCUMENTS



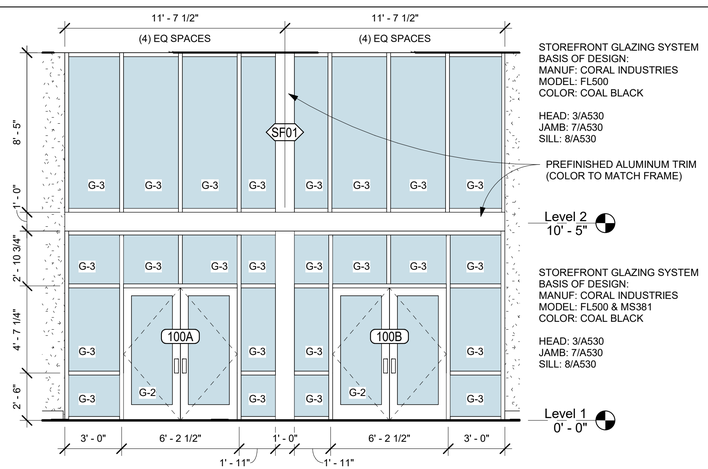
3 ENLARGED STOREFRONT ELEVATION SF02

A602 1/4" = 1'-0"



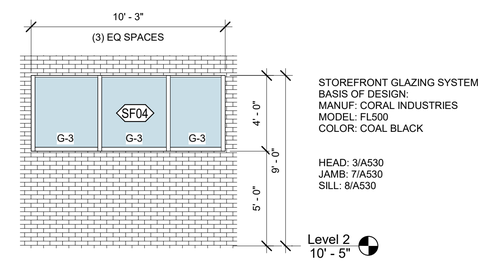
1 STOREFRONT ELEVATION SF03

A602 1/4" = 1'-0"



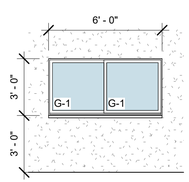
4 STOREFRONT ELEVATION SF01

A602 1/4" = 1'-0"



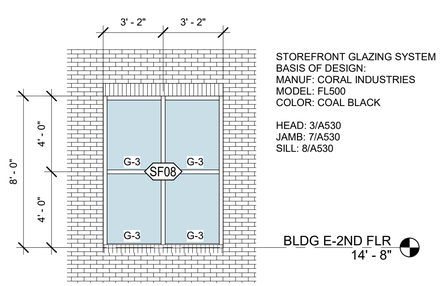
2 STOREFRONT ELEVATION SF04

A602 1/4" = 1'-0"



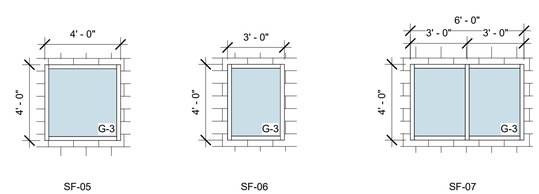
6 TRANSACTION WINDOW

A602 1/4" = 1'-0"



5 STOREFRONT ELEVATION SF-08

A602 1/4" = 1'-0"



SF-05

STOREFRONT GLAZING SYSTEM
BASIS OF DESIGN:
MANUF: CORAL INDUSTRIES
MODEL: FL500
COLOR: COAL BLACK
HEAD: 3/A530
JAMB: 7/A530
SILL: 8/A530

SF-06

STOREFRONT GLAZING SYSTEM
BASIS OF DESIGN:
MANUF: CORAL INDUSTRIES
MODEL: FL500
COLOR: COAL BLACK
HEAD: 3/A530
JAMB: 7/A530
SILL: 8/A530

SF-07

STOREFRONT GLAZING SYSTEM
BASIS OF DESIGN:
MANUF: CORAL INDUSTRIES
MODEL: FL500
COLOR: COAL BLACK
HEAD: 3/A530
JAMB: 7/A530
SILL: 8/A530

GLAZING SCHEDULE

G1 1/4" CLEAR ANNEALED, FULLY TEMPERED FLOAT GLASS

G2 9/16" LAMINATED IMPACT RATED GLAZING (1/4" H.S., .060, VS02, 1/4" H.S.

SHGC: 30
U-FACTOR: 29

G-3 1 5/16" INSULATED LAMINATED IMPACT RATED GLAZING (1/4" T/HS, 0.090 SENTRY GLAS, 1/4" T/HS)

SHGC: 30
U-FACTOR: 29

TINT NOTE: SOLARBAN 60 (2) OPTIGRAY + CLEAR

GENERAL NOTES

1. ALL STOREFRONT SYSTEMS SHALL MEET FBC CHAPTER 24.
2. PROVIDE FLORIDA PRODUCT APPROVAL NUMBERS WITH ALL SUBMITTALS.

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INTERIOR DESIGNER
B&A ARCHITECTURAL GROUP
STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

ARCHITECT'S SEAL

DIETER A. BORRELL
AR 97710 / ID 6462

PROJECT NO. : 25034
SHEET TITLE:
WINDOW TYPES

SHEET NUMBER:
A602

PRINT DATE: 9/15/2026 4:57:00 PM

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CONSTRUCTION DOCUMENTS

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DESIGN CRITERIA
- DESIGNED IN ACCORDANCE WITH THE 2023 FLORIDA STATE BUILDING CODE WHICH ADOPTS 2018 INTERNATIONAL BUILDING CODE WITH AMENDMENTS
- DESIGN LOADS

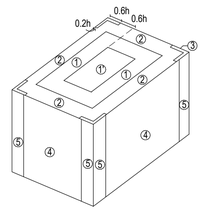
BUILDING RISK CATEGORY: III

A. SOILS
ALLOWABLE SOIL BEARING PRESSURE: 1500 PSF

B. LIVE LOADS
ROOF LIVE LOAD 20 PSF
FLOOR LIVE LOAD 100 PSF

C. WIND AND TORNADO LOADS
BASIC DESIGN WIND SPEED (3-SECOND GUST): 170 MPH
ALLOWABLE STRESS DESIGN WIND SPEED: 132 MPH
TORNADO SPEED: 50 MPH
EFFECTIVE PLAN AREA: A_e = 2,752 FT^2
WIND IMPORTANCE FACTOR: I = 1.0
WIND EXPOSURE: C
INTERNAL PRESSURE COEFFICIENT: +/- 0.18
COMPONENTS AND CLADDING:

BLDG ZONE	COMPONENTS & CLADDING WIND PRESSURE EFFECTIVE AREAS OF COMPONENTS IN SQ FT			
	10 SF	20 SF	50 SF	100 SF
①	-109, 28	-102, 26	-93, 24	-85, 22
②	-144, 28	-135, 26	-123, 24	-114, 22
③	-197, 28	-178, 26	-154, 24	-135, 22
ⓛ	-63, 28	-63, 26	-63, 24	-63, 22
④	-68, 63	-65, 60	-62, 56	-59, 54
⑤	-84, 63	-78, 60	-71, 56	-65, 54



D. SEISMIC LOADS
SEISMIC IMPORTANCE FACTOR: I_e = 1.25
SPECTRAL RESPONSE PARAMETERS: S_S = 0.10
S_1 = 0.061
SITE CLASS D
DESIGN RESPONSE PARAMETERS: S_{DS} = 0.098
S_{D1} = 0.088
SEISMIC DESIGN CATEGORY: B
BASIC SEISMIC FORCE-RESISTING SYSTEM: BEARING WALL SYSTEM
BUILDING FRAME SYSTEM
MOMENT-RESISTING FRAME SYSTEM
DESIGN BASE SHEAR: 0.019W
0.015W
0.027W
SEISMIC RESPONSE COEFFICIENT: C_S = 0.019
C_S = 0.015
C_S = 0.027
RESPONSE MODIFICATION COEFFICIENT: R = 6.5
R = 8.0
R = 4.5
ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE PROCEDURE

GENERAL NOTES
- THE DRAWINGS ARE TO BE WORKED TOGETHER INCLUDING STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ALL INTER-DISCIPLINE INTERFACE WORK WHICH MAY NOT BE INCLUSIVE ON THE STRUCTURAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND SHALL REPORT ANY DISCREPANCY TO THE ENGINEER PRIOR TO COMMENCING THE WORK.
- OPENINGS AND PENETRATIONS NOT SHOWN IN THE CONTRACT DOCUMENTS THROUGH ANY STRUCTURAL ELEMENTS OR ITEMS EMBEDDED IN THE STRUCTURAL ELEMENTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTING THE WORK.
- ALL PRE-ENGINEERED COMPONENTS AND SYSTEMS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- PLANS, SECTIONS, AND DETAILS SHALL NOT BE SCALED FOR DETERMINATION OF SIZE, QUANTITIES, LENGTHS, ETC.
- DO NOT PLACE MATERIALS OR EQUIPMENT ON COMPLETED FLOORS OR ROOFS IN EXCESS OF THE INDICATED DESIGN LIVE LOADS. AVOID IMPACT LOADING.
- ALL MEMBERS ARE DESIGNED TO RESIST THE DESIGN LOADS WITHIN THE COMPLETED STRUCTURAL SYSTEM. CONTRACTOR IS RESPONSIBLE FOR ADEQUATE SHORING, BRACING, ETC DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ANY AND ALL STREETS, UTILITIES, EXISTING STRUCTURES, EQUIPMENT, ETC. DURING CONSTRUCTION.
- EXISTING CONDITIONS AND RELATED DIMENSIONS INDICATED IN THE CONTRACT DOCUMENTS SHALL BE FIELD VERIFIED. ANY VERIFIED CONDITIONS THAT DIFFER FROM THAT INDICATED IN THE CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL A MINIMUM OF 2 WEEKS PRIOR TO EXECUTION OF THE WORK IN THE FIELD. THE CONTRACTOR SHALL ANTICIPATE AND INCLUDE FIT-UP MODIFICATIONS IN THEIR BID.
- CONTRACTOR SHALL COORDINATE ALL WORK AS NEEDED WITH OWNER'S SPECIAL INSPECTOR TO ENSURE ALL REQUIREMENTSOF SPECIAL INSPECTION PROGRAM ARE MET.
- ALL PRE-ENGINEERED FASTENING SYSTEMS AND COMPONENTS SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS.

STRUCTURAL STEEL
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING MATERIAL SPECIFICATIONS:
  - WIDE FLANGES, CHANNELS AND SHAPES CUT FROM THEM — ASTM A992
  - S-BEAMS, CHANNELS, ANGLES AND PLATES — ASTM A572 GRADE 50
  - HOLLOW STRUCTURAL SECTIONS — ASTM A500 GRADE C
  - HIGH STRENGTH BOLTS — ASTM F3125 GRADE A325, TYPE 1 (GROUP A)
  - NUTS — ASTM A563
  - WASHERS — ASTM F436
  - ANCHOR RODS — ASTM 1554 GRADE 55
  - WELD ELECTRODES — E70XX
- STEEL MEMBERS AND CONNECTIONS WERE DESIGNED ASSUMING A "SIMPLE FRAMING" CONSTRUCTION TYPE.
- HIGH STRENGTH BOLTS SHALL BE 3/4"Ø TYPE 1, PLAIN FINISH, AND SNUG TIGHTENED OR PRE-TENSIONED WITH THREADS EXCLUDED FROM THE SHEAR PLANE.
- WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1 BY QUALIFIED WELDERS AS DEFINED BY AWS D1.1.
- COMPLY WITH AWS D1.1/D1.1M FOR TOLERANCES, APPEARANCES, WELDING PROCEDURE SPECIFICATIONS, WELD QUALITY, AND METHODS USED IN CORRECTING WELDING WORK.
- WHERE BEAM REACTIONS OR FULLY DETAILED CONNECTION DETAILS ARE NOT SHOWN, EACH BEAM CONNECTION SHALL BE SELECTED TO SUPPORT THE LOADS GIVEN IN THE DESIGN DRAWINGS. SUCH CONNECTIONS SHALL BE SELECTED BY AN EXPERIENCED STRUCTURAL STEEL DETAILER FROM THE AISC STEEL CONSTRUCTION MANUAL LATEST EDITION. ANY CONNECTIONS NOT CONFORMING TO STANDARD AISC CONNECTIONS SHALL BE DESIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE JURISDICTION OF THE PROJECT LOCATION.
- EACH BOLTED CONNECTION SHALL UTILIZE AT LEAST TWO BOLTS AND BE DESIGNED FOR A MINIMUM OF 10 KIPS SERVICE.
- ALL FORCES FOR SELECTION AND DESIGN OF CONNECTIONS INDICATED ON PLANS ARE SERVICE LEVEL FORCES UNO.
- BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER UP.
- ALL WORK SHALL CONFORM TO THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" LATEST EDITION.
- STRUCTURAL STEEL FABRICATOR SHALL BE AN AISC CERTIFIED BUILDING FABRICATOR (BU).
- NON-SHRINK GROUT SHALL ACHIEVE TWO TIMES CONCRETE 28 DAY COMPRESSIVE STRENGTH (f'c) AT 28 DAYS.

CONCRETE
- ALL CONCRETE WORK SHALL COMPLY WITH ACI 301.
- ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH (f'c) AT 28 DAYS OF 4000 PSI.
- ALL AGGREGATES SHALL CONFORM TO ASTM C33.
- PORTLAND CEMENT SHALL CONFORM TO ASTM C150.
- REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.
- WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A185.
- NO WELDING OF REINFORCING SHALL BE PERFORMED WITHOUT PRIOR APPROVAL FROM ENGINEER.
- WELDED WIRE REINFORCEMENT SHALL BE LAPPED TWO FULL MESH PANELS AND TIED SECURELY.
- ALL FORMING SHALL BE TRUE AND STRAIGHT IN ACCORDANCE WITH ACI STANDARDS.
- CONCRETE EXPOSED TO REPEATED FREEZING AND THAWING AND DEICING CHEMICALS SHALL BE AIR ENTRAINED AND CONTAIN AN AIR CONTENT OF 6%+/-1.5% AND A MAXIMUM W/C RATIO OF 0.45.
- CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ACI 305 AND ACI 306 LATEST EDITION FOR HOT AND COLD WEATHER CONSTRUCTION WHEN APPLICABLE.
- ALL HORIZONTAL REINFORCING BARS SHALL BE CONTINUOUS AROUND CORNERS.
- ALL LAP SPLICES SHALL BE CLASS B LAP SPLICES UNLESS NOTED OTHERWISE.
- REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR FLOOR FINISHES, SLOPES, DRAINS, DEPRESSIONS, CELLS, EQUIPMENT PADS, ETC.
- PROVIDE FOOTING DOWELS TO MATCH CONCRETE FOUNDATION WALL REINFORCING.
- ALL POST-INSTALLED ADHESIVE ANCHORS SHALL USE HILTI HIT-HY 200 ADHESIVE WITH HAS-E THREADED RODS OR REBAR WITH DIAMETER AND EMBEDMENT AS NOTED ON PLANS.
- ALL POST-INSTALLED ANCHORS SHALL BE INSTALLED WITH A CARBIDE TIPPED HAMMER DRILL AND IN STRICT COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE 2 - #5 BARS AT PERIMETER OF OPENINGS. EXTEND BAR 30" BEYOND OPENING.

FOUNDATION
- PREPARE ALL SOILS BENEATH SLABS AND FOOTINGS IN ACCORDANCE WITH **LARRY M. JACOBS & ASSOCIATES, INC** GEOTECHNICAL REPORT WITH PROJECT NUMBER 26-222E.
- SOIL BENEATH FOOTINGS AND SLABS SHALL BE OF ADEQUATE STRENGTH AND DENSITY TO ACHIEVE THE PRESUMED SOIL BEARING STRENGTH AS INDICATED IN THE DESIGN CRITERIA SECTION OF THE STRUCTURAL NOTES.
- CONTRACTOR SHALL REMOVE ALL ORGANIC AND UNCOMPACTED FILL AND REPLACE WITH ENGINEERED FILL COMPACTED TO 95% MODIFIED PROCTOR.
- CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES BEFORE BEGINNING FOUNDATION EXCAVATIONS.
- CONCRETE SHALL NOT BE PLACED INTO OR AGAINST SOIL CONTAINING FREE WATER, FROST OR ICE. SHOULD WATER ENTER OR ICE FORM IN A STRUCTURAL EXCAVATION AFTER BEING APPROVED, THE SOIL SHALL BE RE-INSPECTED AFTER REMOVAL OF WATER OR ICE AND RECOMPACTION TO COMPLY WITH GEOTECHNICAL REPORT.
- FOUNDATION WALLS SHALL BE BACKFILLED IN EQUAL LIFTS ON EACH SIDE OF THE WALL TO AVOID DAMAGE.

CONCRETE PLACEMENT IN HOT OR COLD TEMPERATURES
- COLD-WEATHER
  1. COMPLY WITH ACI 306.1 AND AS FOLLOWS. PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH THAT COULD BE CAUSED BY FROST, FREEZING ACTIONS, OR LOW TEMPERATURES.
  2. WHEN AVERAGE HIGH AND LOW TEMPERATURE IS EXPECTED TO FALL BELOW 40 DEG F FOR THREE SUCCESSIVE DAYS, MAINTAIN DELIVERED CONCRETE MIXTURE TEMPERATURE WITHIN THE TEMPERATURE RANGE REQUIRED BY ACI 301
  3. DO NOT USE FROZEN MATERIALS OR MATERIALS CONTAINING ICE OR SNOW. DO NOT PLACE CONCRETE ON FROZEN SUBGRADE OR ON SUBGRADE CONTAINING FROZEN MATERIALS.
  4. DO NOT USE CALCIUM CHLORIDE, SALT, OR OTHER MATERIALS CONTAINING ANTIFREEZE AGENTS OR CHEMICAL ACCELERATORS UNLESS OTHERWISE SPECIFIED AND APPROVED IN MIXTURE DESIGNS.
- HOT-WEATHER
  1. MAINTAIN CONCRETE TEMPERATURE BELOW 90 DEG F AT TIME OF PLACEMENT. CHILLED MIXING WATER OR CHOPPED ICE MAY BE USED TO CONTROL TEMPERATURE, PROVIDED WATER EQUIVALENT OF ICE IS CALCULATED TO TOTAL AMOUNT OF MIXING WATER. USING LIQUID NITROGEN TO COOL CONCRETE IS CONTRACTOR'S OPTION.
  2. FOG-SPRAY FORMS, STEEL REINFORCEMENT, AND SUBGRADE JUST BEFORE PLACING CONCRETE. KEEP SUBGRADE UNIFORMLY MOIST WITHOUT STANDING WATER, SOFT SPOTS, OR DRY AREAS.

DEMOLITION
- UNLESS OTHERWISE INDICATED, DEMOLITION WASTE BECOMES PROPERTY OF CONTRACTOR.
- SCRAP STEEL, PIPE, AND COPPER, ETC. WILL BECOME THE PROPERTY OF OWNER.
- CONTRACTOR IS RESPONSIBLE TO TEST FOR SUSPECTED HAZARDOUS MATERIALS AND PROVIDE A COST ESTIMATE FOR REMOVAL IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED.
- STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE IS NOT PERMITTED.
- REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING SELECTIVE DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
- DESIGN, PROVIDE, AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN, AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED.
- PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN.

STEEL ROOF DECK
- FABRICATION AND INSTALLATION OF STEEL DECK SHALL COMPLY WITH THE STEEL DECK INSTITUDE'S SPECIFICATIONS.
- THE DECK SUPPLIER SHALL PROVIDE DECK ACCESSORIES SUCH AS CELL CLOSURE PLATES, DECK SUPPORTS AT COLUMNS, AND OTHER MISCELLANEOUS DECK ITEMS AS REQUIRED, EVEN IF NOT SPECIFICALLY SHOWN ON THE CONTRACT DOCUMENTS.
- STEEL ROOF DECK AND ACCESSORIES SHALL BE FORMED FROM STEEL SHEET HAVING A MINIMUM YIELD STRENGTH OF 50 KSI AND CONFORMING TO ASTM A611 GRADES C, D, OR E, OR ASTM A653 STRUCTURAL QUALITY GRADE 50 OR HIGHER. DECK UNITS SHALL BE CONTINUOUS OVER THREE OR MORE SPANS.
- STEEL ROOF DECK SHALL BE (1.5B22) 1-1/2" DEEP WIDE RIB 20 GAUGE DECK.
- FASTEN STEEL DICK WITH 5/8" PUDDLE WELDS IN A 36/9 PATTERN WITH ONE INTERMEDIATE #10 TEK SCREW SIDELAP FASTENER PER DECK SPAN.
- WELD ROOF DECK TO PERIMETER ANGLE WITH 5/8" DIAMETER PUDDLE WELDS SPACED AT 36" OC MAXIMUM.
- FIELD WELDING OF STEEL ROOF DECK SHALL BE IN STRICT ACCORDANCE WITH AWS D1.3.

LIGHT GAUGE STEEL
- COLD FORMED STRUCTURAL FRAMING SHALL BE FORMED FROM STEEL SHEET CONFORMING TO ASTM A1003 GRADE 50 AND HAVE A MINIMUM PROTECTION COATING EQUAL TO G-60 GALVANIZED FINISH.
- ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.3 BY WELDERS QUALIFIED AS DEFINED IN AWS D1.3.
- PROVIDE COLD ROLLED CHANNEL (CRC) BRIDGING VERTICALLY SPACED AT 48" OC. MAX.
- CONTRACTOR SHALL HIRE A SPECIALTY STRUCTURAL ENGINEER (SSE) FOR THE DESIGN AND ANALYSIS OF THE METAL STUD FRAMING SYSTEM INCLUDING COMPONENT TO COMPONENT CONNECTIONS AND METAL FRAMING CONNECTIONS TO BUILDING STRUCTURAL COMPONENTS.
- METAL FRAMING SHALL BE DESIGNED FOR THE LOADS INDICATED IN THE GENERAL STRUCTURAL NOTES AND THOSE SO INDICATED ON PLAN.
- ALL METAL FRAMING IN THE CONSTRUCTION DOCUMENTS ARE SCHEMATIC AND REPRESENTATIVE ONLY OF THE FINAL METAL FRAMING REGARDLESS OF LEVEL OF DETAIL SHOWN.
- METAL STUDS SHALL BE A 16 GA MINIMUM THICKNESS.
- DEFLECTION CONNECTIONS SHALL ACCOMMODATE A 0.50" DEFLECTION OF PRECAST PLANK OR STEEL BEAM.
- LATERAL WALL DEFLECTIONS SHALL BE LIMITED TO THE FOLLOWING UNLESS NOTED OTHERWISE:
  - MASONRY VENEER BACK UP — L/600
  - OTHER — L/360

SUBMITTALS
- CALCULATIONS SHALL BE SIGNED BY A LICENSED ENGINEER IN FLORIDA AND BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO COMMENCING FABRICATION FOR THE FOLLOWING ITEMS:
  - LIGHT GAUGE STEEL FRAMING
  - STRUCTURAL STEEL CONNECTION CALCULATIONS
- SHOP AND PLACEMENT DRAWINGS (INCLUDING CONNECTIONS) SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO COMMENCING FABRICATION FOR THE FOLLOWING ITEMS:
  - CONCRETE REINFORCING STEEL
  - LIGHT GAUGE STEEL FRAMING
  - STEEL ROOF DECK
  - STRUCTURAL STEEL
  - OPEN WEB STEEL JOISTS
- THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD:
  - WELDER CERTIFICATIONS SHOWING WELDER IS QUALIFIED AS DEFINED BY AWS D1.1 FOR ALL ANTICIPATED FIELD WELDS INCLUDING BUT NOT LIMITED TO WELD PROCESSES AND POSITIONS TO BE PERFORMED ON PROJECT.
  - MILL TEST CERTIFICATES FOR STRUCTURAL STEEL
  - CONCRETE MIX DESIGNS
  - HOT/COLD WEATHER CONSTRUCTION PROCEDURES
  - SPECIAL INSPECTION REPORTS & MATERIAL TESTING RESULTS

CONCRETE REINFORCEMENT TENSION DEVELOPMENT AND LAP SPLICE LENGTHS

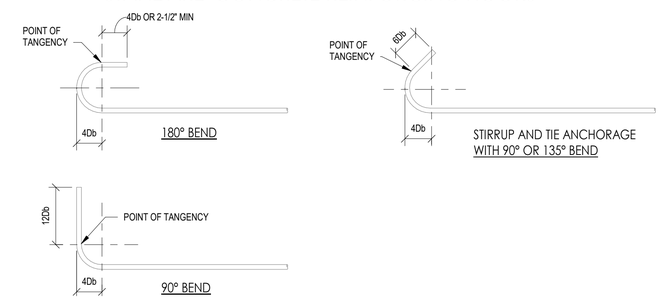
BAR SIZE	LAP SPLICE CLASS	CONCRETE COVER = 0.75"		CONCRETE COVER = 1.00"		CONCRETE COVER = 1.50"		CONCRETE COVER = 2.00"	
		TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
#3	A	12	12	12	12	12	12	12	12
	B	16	12	16	16	16	16	16	16
#4	A	19	15	15	12	15	12	15	12
	B	24	19	20	16	20	16	20	16
#5	A	28	21	22	17	19	15	19	15
	B	36	28	29	22	24	19	24	19
#6	A	37	29	31	24	22	17	22	17
	B	48	37	40	31	29	22	29	22
#7	A	60	46	50	38	37	28	33	25
	B	78	60	64	50	48	37	42	33
#8	A	74	57	62	48	47	36	37	29
	B	96	74	80	62	60	47	48	37
#9	A	90	69	76	58	57	44	46	36
	B	117	90	98	76	74	57	60	46
#10	A	108	83	92	70	70	54	57	44
	B	140	108	119	92	91	70	74	57
#11	A	127	98	108	83	84	64	68	53
	B	165	127	141	108	109	84	89	68

NOTES:
1. TABULATED VALVES ARE BASED ON GRADE 60 UNCOATED REINFORCING BARS AND 4000 PSI NORMAL WEIGHT CONCRETE. LENGTHS ARE IN INCHES.
2. TENSION DEVELOPMENT LENGTH AND LAP SPLICE LENGTHS ARE CALCULATED PER ACI 318-14, SECTIONS 12.2.3 AND 12.15.
3. TENSION DEVELOPMENT LENGTH - 1.0 x CLASS A LAP SPLICE.
4. FOR 3000 PSI AND 5000 PSI CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.16 AND 0.90 RESPECTIVELY.
5. BAR c. - c. SPACING WAS ASSUMED TO BE GREATER THAN TWICE THE CONCRETE COVER PLUS ONE BAR DIAMETER.
6. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
7. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.
8. FOR EPOXY COATED REBAR, MULTIPLY THE TABULATED VALUES BY 1.3.
9. FOR LAP SPLICE LENGTHS IN MASONRY SEE MASONRY NOTES.

CONCRETE PROTECTION FOR REINFORCEMENT

EXPOSURE	STRUCTURAL ELEMENTS	BAR SIZE	CLEAR COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	ALL	ALL	3"
CONCRETE EXPOSED TO EARTH OR WEATHER	ALL	NO. 6 THRU NO. 18 BARS NO. 5 BAR, W31 OR D31 WIRE AND SMALLER	2" 1-1/2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	SLABS, WALL, JOISTS	NO. 14 & NO. 18 BARS NO. 11 BAR AND SMALLER	1-1/2" 3/4"
	BEAMS & COLUMNS	PRIMARY REINFORCEMENT, TIES, STIRRUPS & SPIRALS	1-1/2"

STANDARD CONCRETE REINFORCING HOOKS



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PROJECT ISSUES:

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REVISED PLAN	2026-05-18
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ISSUED FOR BID	2026-09-17

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JOHNSON ENGINEERING

PROJECT:
WELCOME CENTER ADDITION

FORT WALTON BEACH, FLORIDA

PROJECT NO. : 261058
SHEET TITLE:
STRUCTURAL NOTES

SHEET NUMBER:
S001

PRINT DATE: 9/17/2026 3:46:19 PM

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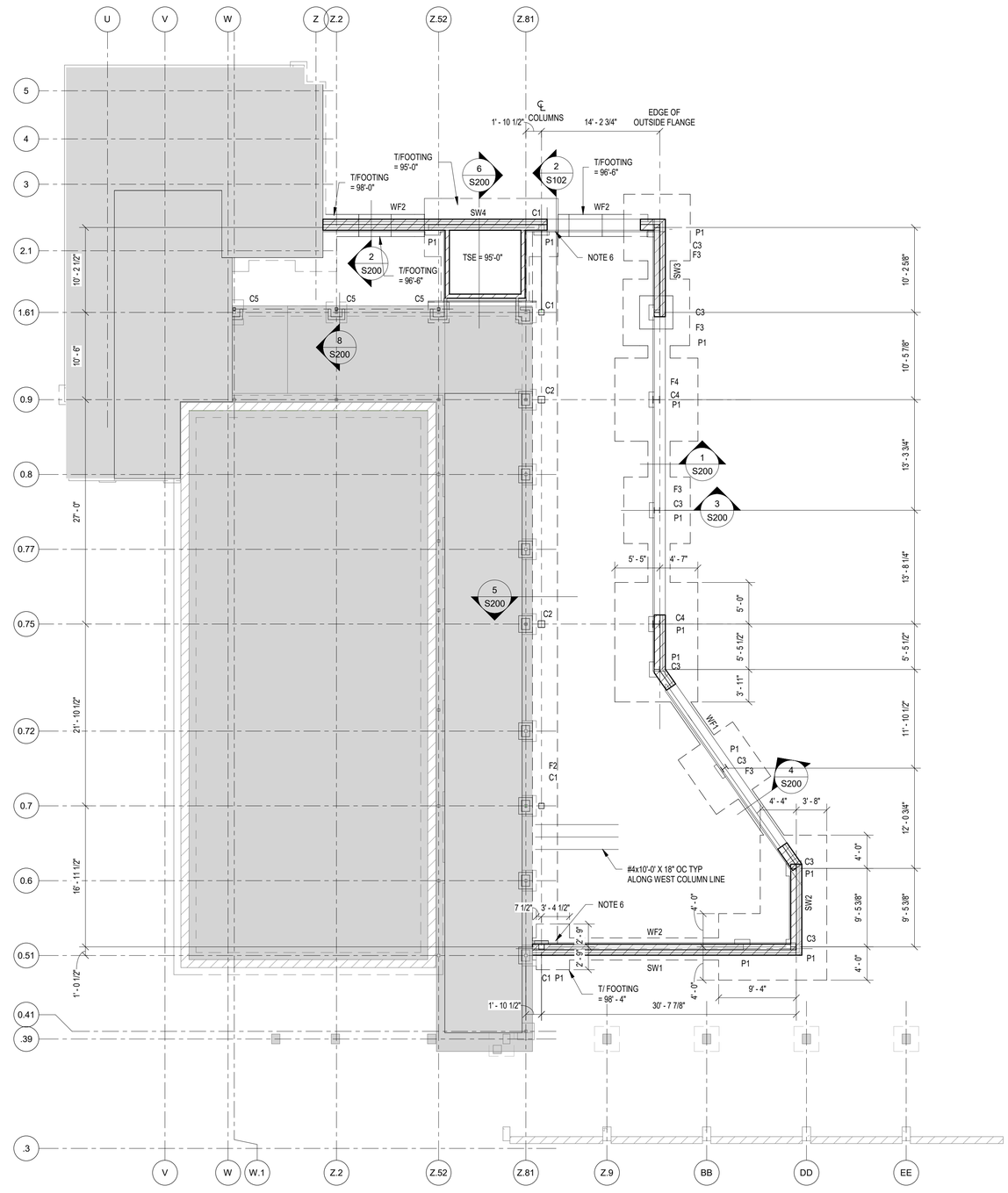

1 S100 Level 1 - FOUNDATION PLAN

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

1. SEE SHEET S0.0 FOR GENERAL STRUCTURAL NOTES.
2. CONC SLAB ON GRADE SHALL BE 4" THICK REINF WITH 6 X 6 - W1.4 X W1.4 WWF. TOS EL = 100'-0" UNLESS NOTED OTHERWISE.
3. MAXIMUM CONTROL JOINT SPACING SHALL BE 15'-0".
4. WALL FOOTINGS SHALL BE TYPE "WF1" UNLESS NOTED OTHERWISE.
5. TOP OF EXTERIOR FOOTING SHALL BE 97' - 10" UNLESS NOTED OTHERWISE.
6. PROVIDE 4 - #5 X 1'-10" DOWELS INTO PIER/STEM WALL.
7. SEE SHEET S200 FOR TYPICAL DETAILS.

FOOTING SCHEDULE

MARK	SIZE	DEPTH	REINFORCING
WF1	24" X CONT	12"	3 - #5 X CONT
WF2	32" X CONT	12"	4 - #5 X CONT
F3	8'-0" X 8'-0"	16"	9 - #5 EA WAY, T & B
F4	10'-0" X 10'-0"	16"	11 - #5 EA WAY, T & B

COLUMN/POST SCHEDULE

MARK	COLUMN SIZE	BASE PL SIZE	ANCHOR RODS	REMARKS
C1	HSS 8 X 8 X 3/8	PL 1" X 14" X 1'-2"	4 - 3/4"ø @ 11" GAGE	3/4" CAP PL
C2	HSS 10 X 10 X 3/8	PL 1" X 16" X 1'-4"	4 - 3/4"ø @ 1'-1" GAGE	3/4" CAP PL
C3	W8X48	PL 1 1/2" X 14" X 1'-2"	4 - 3/4"ø @ 11" GAGE	W/ 1/2" STIFFENERS
C4	W10X68	PL 1 1/2" X 16" X 1'-4"	4 - 3/4"ø @ 13" GAGE	W/ 1/2" STIFFENERS
C5	HSS 4 X4 X 5/16	PL 3/4" X 5" X 0'-9"	2 - 3/4"ø @ 6"	

NOTE: ALL ANCHOR RODS SHALL BE CAST-IN-PLACE AND HAVE 16" MINIMUM EMBEDMENT UNO.

CONCRETE PIER SCHEDULE

MARK	PIER SIZE	VERTICAL REINFORCING	TIES	REMARKS
P1	22" X 22"	8 - #5 VERT & DWLS	#4 TIES @ 10" OC	TOP EL = -4"

NOTE:
1. PROVIDE 2 - #4 TIES IN TOP 5" OF PIER, TYPICAL.

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STRUCTURAL ENGINEER
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MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
WELCOME CENTER ADDITION

FORT WALTON BEACH, FLORIDA

PROJECT NO. : 261058
SHEET TITLE:
FOUNDATION PLAN

SHEET NUMBER:
S100

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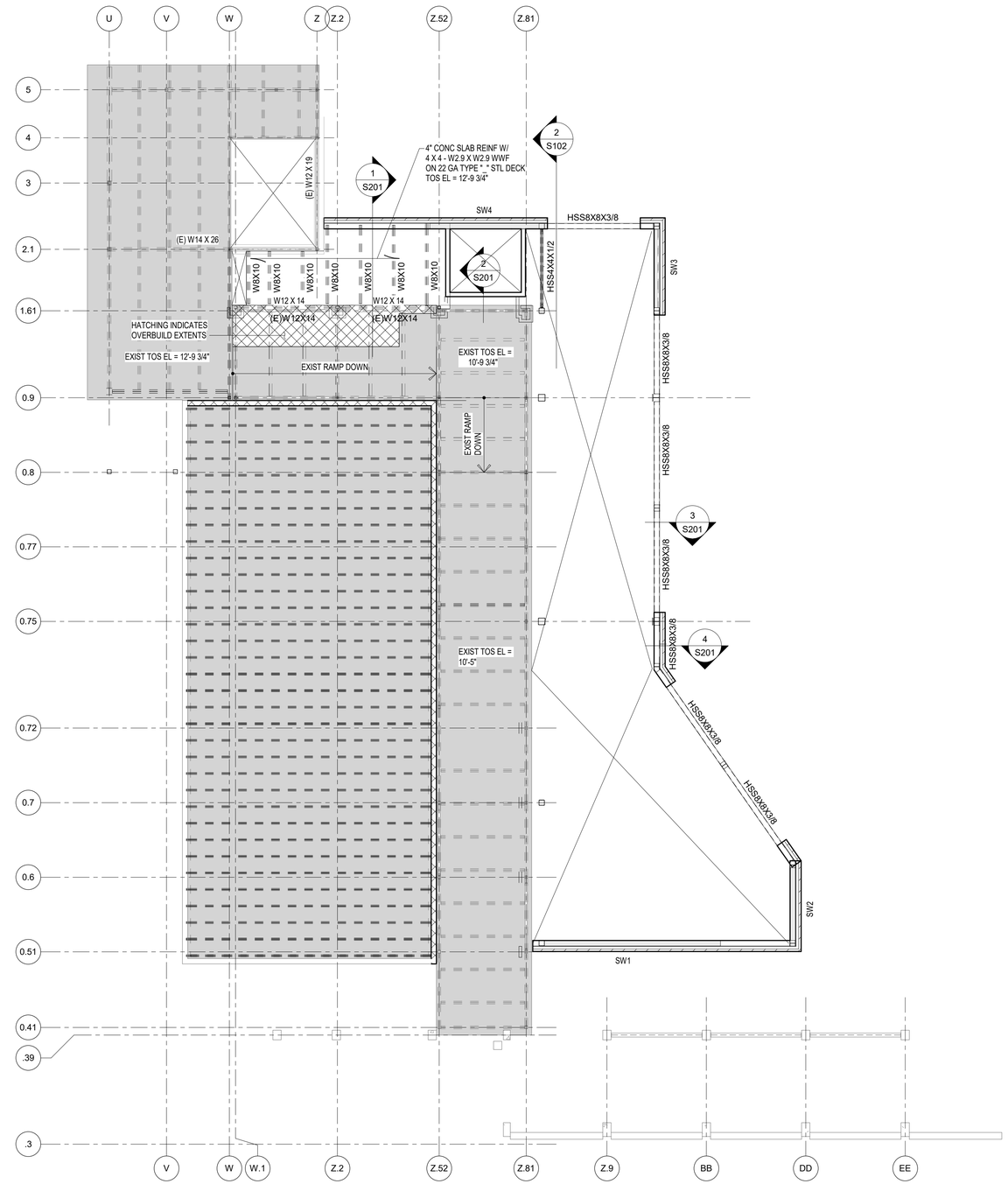

1 S101 Level 2
SCALE: 1/8" = 1'-0"

1. SEE SHEET S0.0 FOR GENERAL STRUCTURAL NOTES.
2. TOP OF STEEL ELEV = 10'-5" UNO.
3. HSS8X8X3/8 LEVEL 2 BEAM CONNECTIONS SHALL BE DESIGNED FOR 10 KIP SHEAR SERVICE IN ANY DIRECTION.
4. W12X14 BEAM CONNECTIONS SHALL BE DESIGNED FOR 10 KIP SHEAR SERVICE.

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PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
WELCOME CENTER ADDITION

FORT WALTON BEACH, FLORIDA

PROJECT NO. : 261058
SHEET TITLE:
2ND FLOOR PLAN

SHEET NUMBER:
S101

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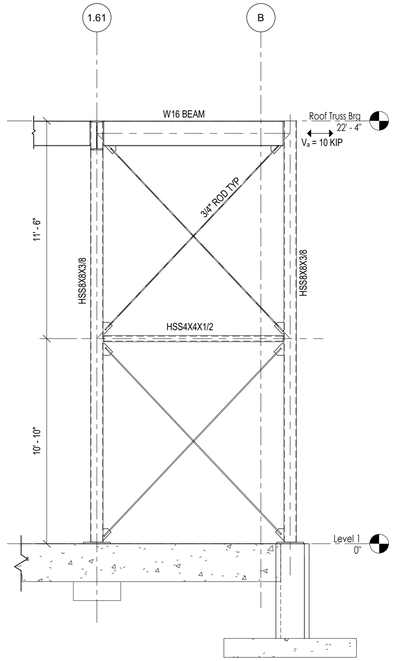
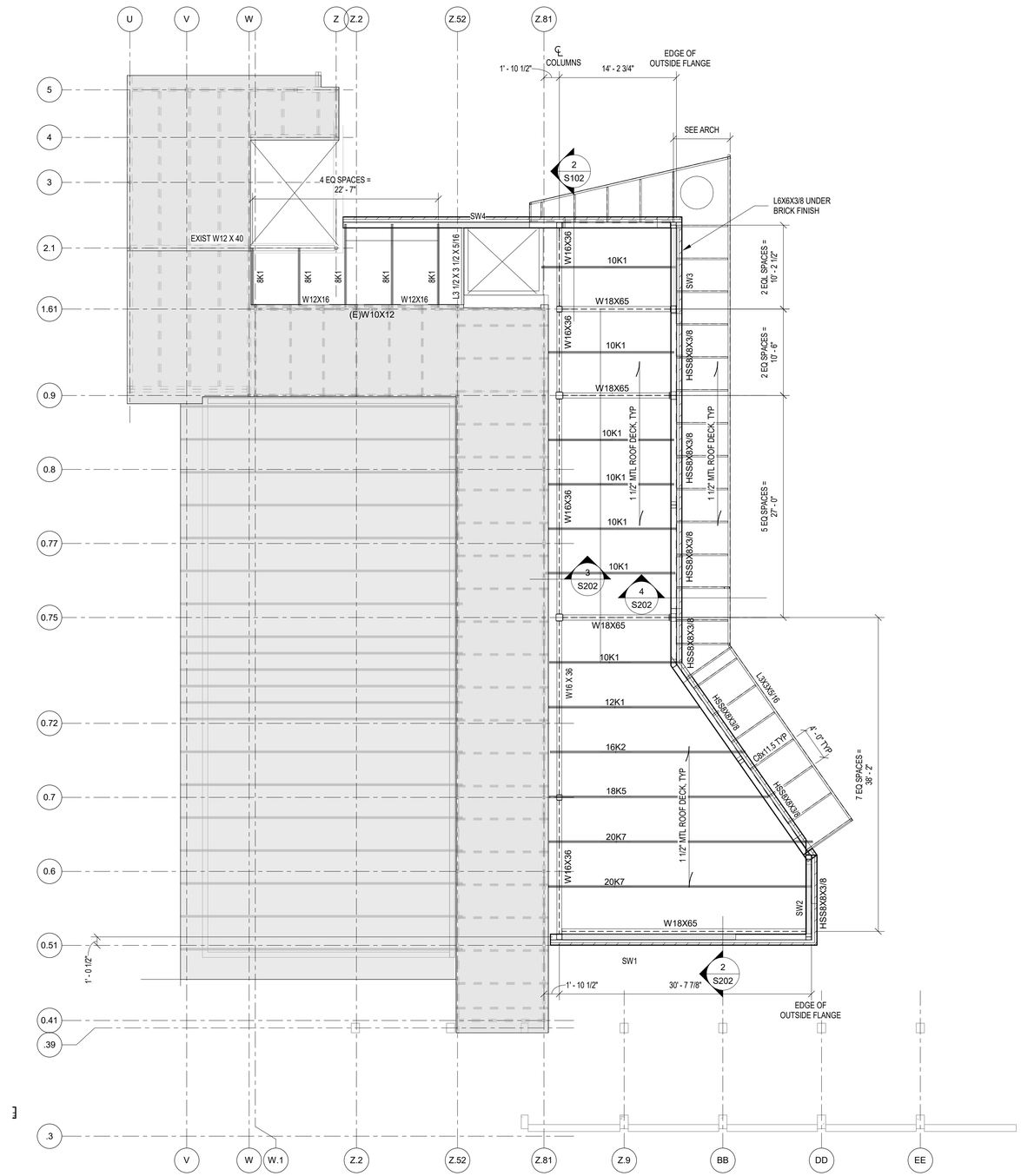


2 S102 West Diagonal Bracing
SCALE: 1/4" = 1'-0"

SHEAR WALL SCHEDULE			
MARK	HEIGHT	LENGTH	DESIGN LOAD
SW1	22'-0"	23' - 0"	11.6 KIP
SW2	22'-0"	9' - 0"	5.0 KIP
SW3	22'-0"	9' - 5"	4.0 KIP
SW4	22'-0"	14' - 0"	10.5 KIP
SW5	27'-6"	9' - 0"	4.0 KIP

NOTES:
1. ALL LOADS ARE SERVICE LEVEL.
2. IN PLANE DEFLECTION SHALL BE LIMITED TO 0.50" FOR THE NOTED DESIGN LOADS.



1 S102 Level 3
SCALE: 1/8" = 1'-0"

1. SEE SHEET S0.0 FOR GENERAL STRUCTURAL NOTES.
2. TRUSS BEARING EL = 22' - 4".
3. W16X36 ROOF BEAMS CONNECTIONS SHALL BE DESIGNED FOR 10 KIP TENSION/COMPRESSION & 15 KIP SHEAR SERVICE.
4. HSS8X8X3/8 ROOF AND CANOPY BEAM CONNECTIONS SHALL BE DESIGNED FOR 10 KIP SHEAR SERVICE IN ANY DIRECTION.
5. W12X16 ROOF BEAM CONNECTIONS SHALL BE DESIGNED FOR 10 KIPS SHEAR SERVICE.
6. W18X65 ROOF BEAM CONNECTIONS SHALL BE DESIGNED FOR 10 KIP SHEAR AND +/- 80 KIP-FT MOMENT SERVICE.
7. SEE SHEET S202 FOR TYPICAL DETAILS.

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JOHNSON ENGINEERING

PROJECT:
WELCOME CENTER ADDITION

FORT WALTON BEACH, FLORIDA

PROJECT NO. : 261058
SHEET TITLE:
ROOF FRAMING PLAN

SHEET NUMBER:
S102

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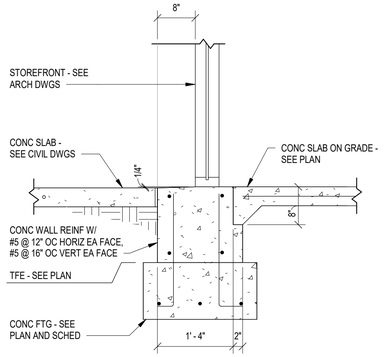
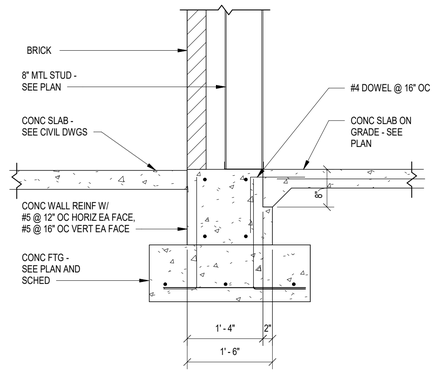
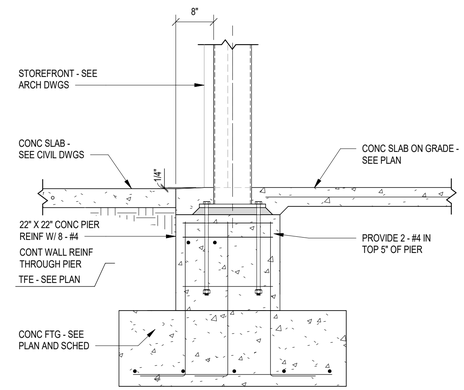


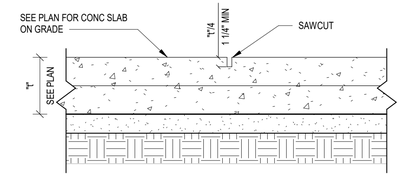
1 S200 typ fdn section at curtainwall
SCALE: 3/4" = 1'-0"



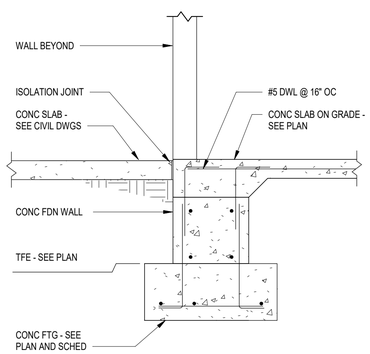
2 S200 Typ fdn section at stud/brick wall
SCALE: 3/4" = 1'-0"



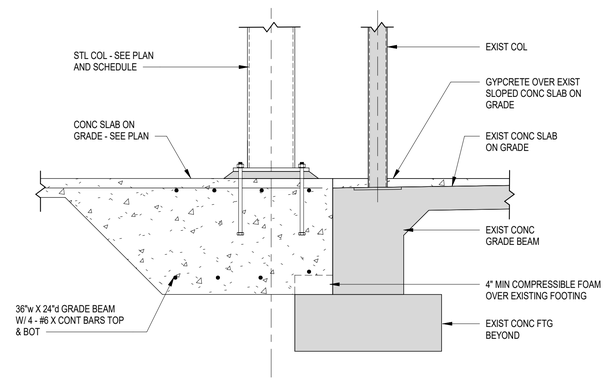
3 S200 Typ fdn at curtainwall col
SCALE: 3/4" = 1'-0"



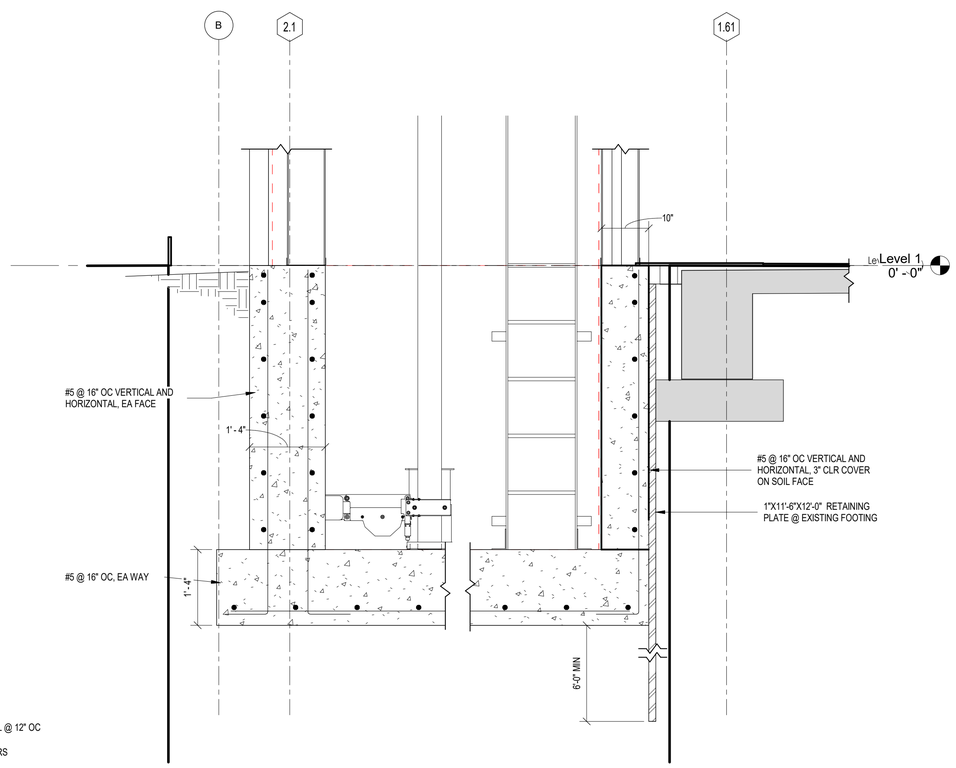
9 S200 TYP SLAB-ON-GRADE CONTROL JOINT
SCALE: 1 1/2" = 1'-0"



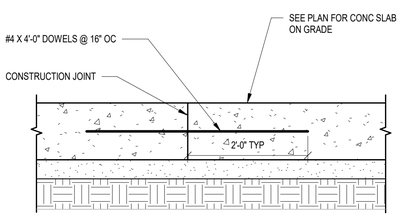
4 S200 Typ fdn section at walkdoor
SCALE: 3/4" = 1'-0"



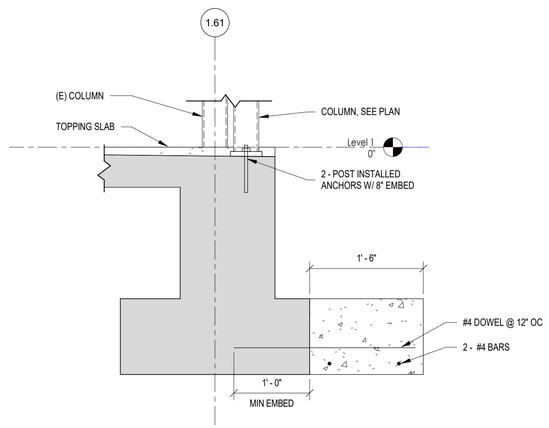
5 S200 Typ fdn section at column
SCALE: 3/4" = 1'-0"



6 S200 Fdn Section at Elevator
SCALE: 3/4" = 1'-0"



7 S200 TYP SLAB-ON-GRADE CONSTRUCTION JOINT 5" OR LESS
SCALE: 1 1/2" = 1'-0"



8 S200 EXISTING FOOTING REINFORCEMENT
SCALE: 1" = 1'-0"

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PROJECT ISSUES:

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TWIN CITIES - IRON RANGE

PROJECT TEAM:
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B&A ARCHITECTURAL GROUP
INTERIOR DESIGNER
B&A ARCHITECTURAL GROUP
STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
WELCOME CENTER ADDITION

FORT WALTON BEACH, FLORIDA

PROJECT NO. : 261058
SHEET TITLE:
FOUNDATION DETAILS

SHEET NUMBER:
S200

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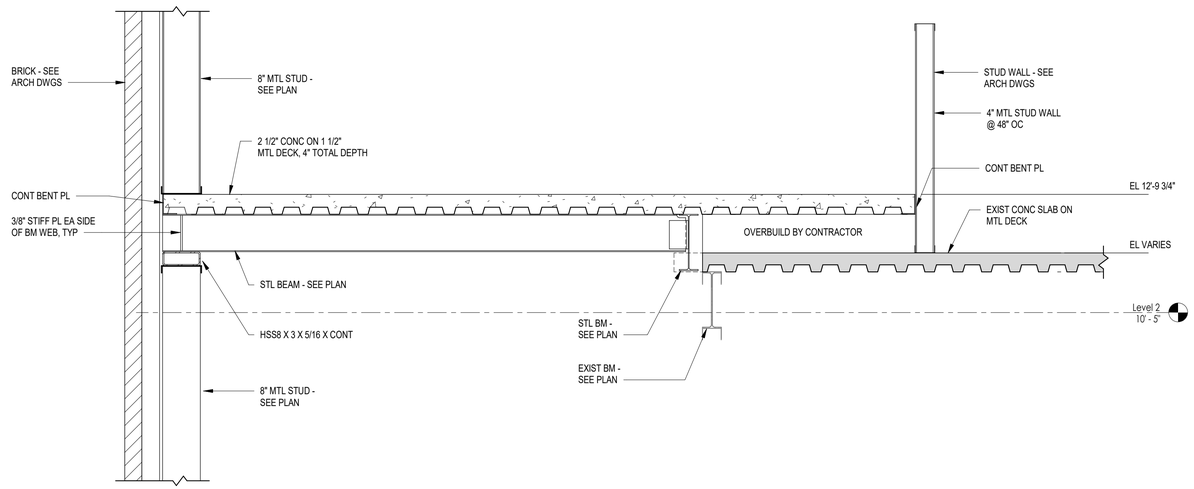
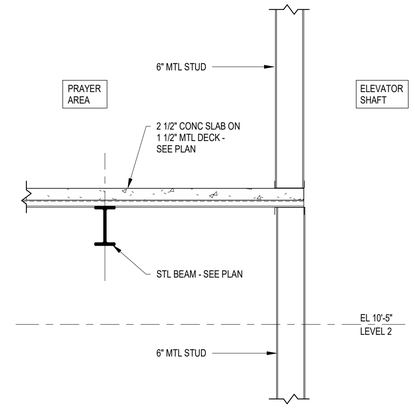
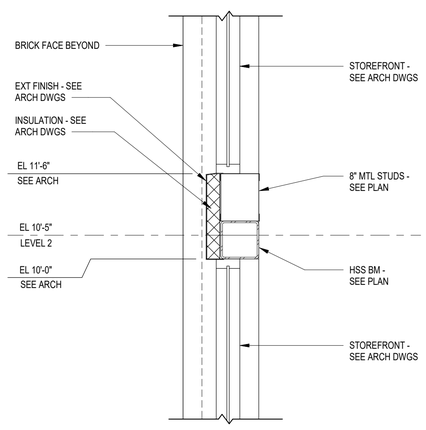


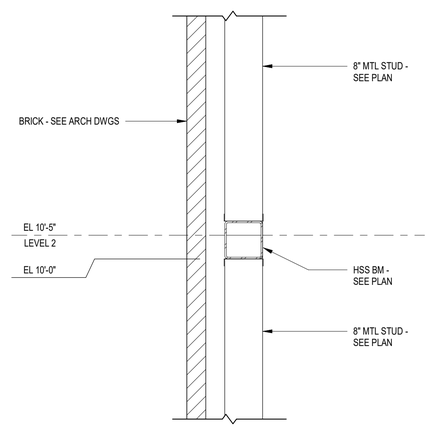
1 S201 Section at Second Flr
SCALE: 3/4" = 1'-0"



2 S201 Section at Elevator
SCALE: 3/4" = 1'-0"



3 S201 Storefront Section at Level 2
SCALE: 3/4" = 1'-0"



4 S201 Beam at Level 2 Ext Wall
SCALE: 3/4" = 1'-0"

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ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
WELCOME CENTER ADDITION

FORT WALTON BEACH, FLORIDA

PROJECT NO. : 261058
SHEET TITLE:
2ND FLOOR DETAILS

SHEET NUMBER:
S201

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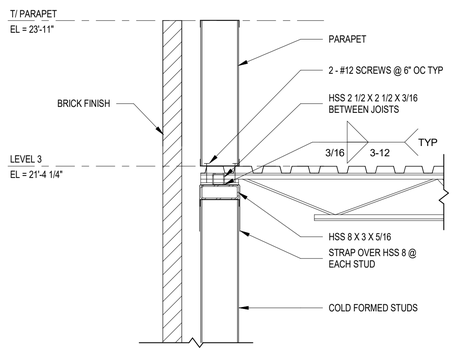
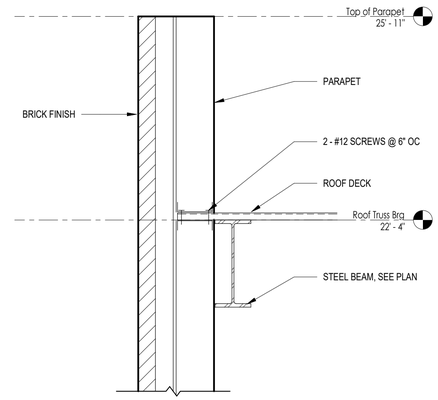
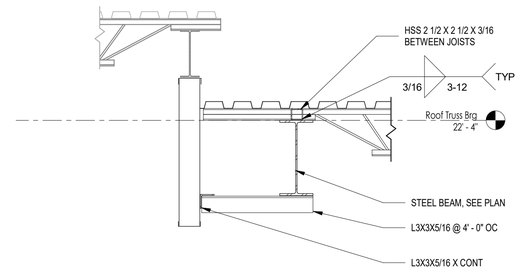


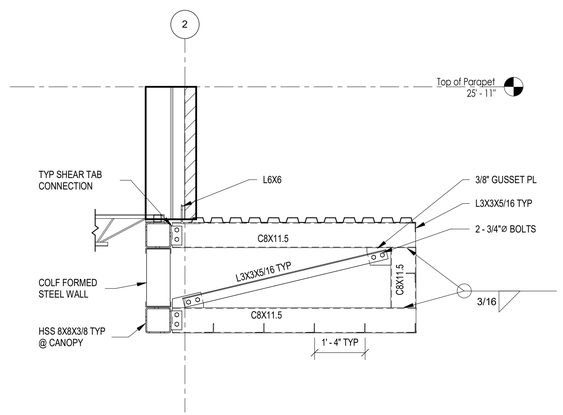
1 S202 Roof Section at Ext Wall
SCALE: 3/4" = 1'-0"



2 S202 PARAPET @ EXTERIOR WALL
SCALE: 3/4" = 1'-0"



3 S202 SECTION @ NEW AND EXISTING ROOF
SCALE: 3/4" = 1'-0"



4 S202 CANOPY DETAIL
SCALE: 1/2" = 1'-0"

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PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
WELCOME CENTER ADDITION

FORT WALTON BEACH, FLORIDA

PROJECT NO. : 261058
SHEET TITLE:
ROOF SECTIONS AND DETAILS

SHEET NUMBER:
S202

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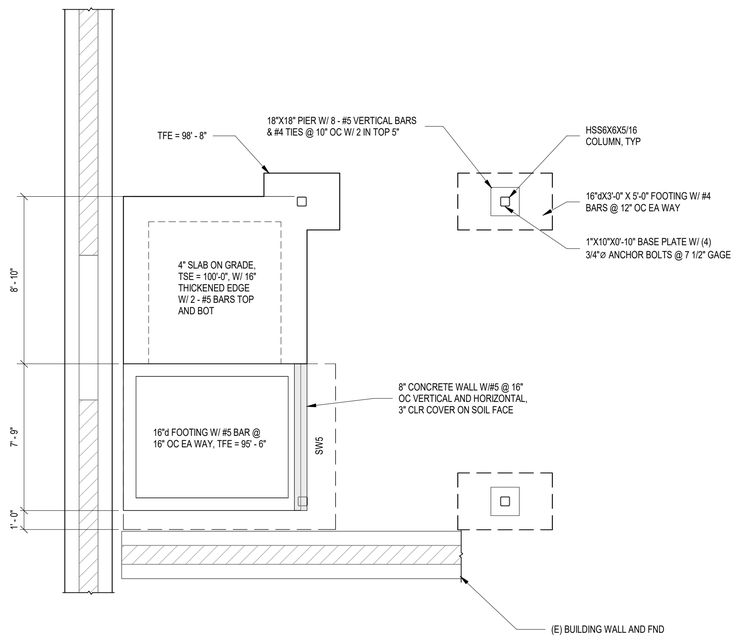
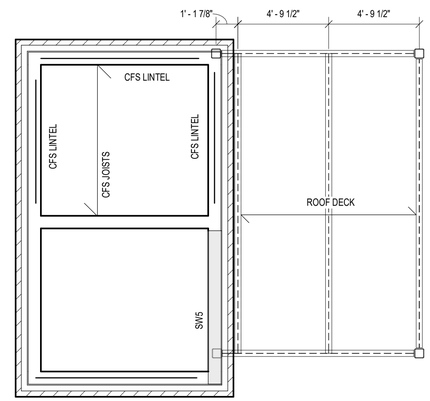


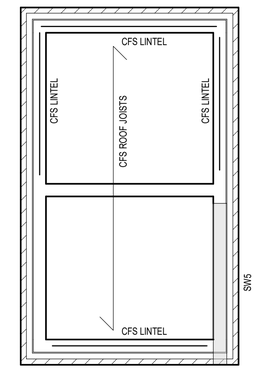
1 S203 BUILDING "E" FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

NOTES:
1. TOP OF FOOTING = 98'-0" UNO.
2. CONC SLAB ON GRADE SHALL BE 4" THICK REINF WITH 6 X 6 - W1.4 X W1.4 WWF.
3. SEE S102 FOR SHEARWALL PARAMETERS.



2 S203 BUILDING "E" LEVEL 2
SCALE: 1/4" = 1'-0"

NOTES:
1. TOP OF STEEL = 109'- 2".
2. TOP OF FINISHED = 114' - 8"



3 S203 BUILDING "E" LEVEL 3
SCALE: 1/4" = 1'-0"

NOTES:
1. TOP OF ROOF JOISTS = 127' - 5".

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DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
WELCOME CENTER ADDITION

FORT WALTON BEACH, FLORIDA

PROJECT NO. : 261058
SHEET TITLE:
BUILDING "E" ELEVATOR

SHEET NUMBER:
S203

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FIRST BAPTIST CURCH OF FWB

A COMMERCIAL DEVELOPMENT IN SECTION 13, TOWNSHIP 2 SOUTH, RANGE 24 WEST CITY OF FORT WALTON BEACH, OKALOOSA COUNTY, FLORIDA

SITE IMPROVEMENT PLANS

DUTY TO INDEMNIFY:

THE CONTRACTOR SHALL DEFEND, INDEMNIFY, KEEP AND SAVE HARMLESS THE OWNER AND ENGINEER AND THEIR RESPECTIVE MEMBERS, REPRESENTATIVES, AGENTS AND EMPLOYEES, IN BOTH INDIVIDUAL AND OFFICIAL CAPACITIES, AGAINST ALL SUITS, CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES, CAUSED BY, GROWING OUT OF, OR INCIDENTAL TO THE PERFORMANCE OF THE WORK UNDER THE CONTRACT BY THE CONTRACTOR OR ITS SUBCONTRACTORS TO THE FULL EXTENT AS ALLOWED BY THE LAWS OF THE STATE OF FLORIDA AND NOT BEYOND ANY EXTENT WHICH WOULD RENDER THESE PROVISIONS VOID OR UNENFORCEABLE. IN THE EVENT OF ANY SUCH INJURY (INCLUDING DEATH) OR LOSS OR DAMAGE, OR CLAIMS THEREFORE, THE CONTRACTOR SHALL GIVE PROMPT NOTICE TO THE OWNER.

UTILITIES NOTE

CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING UTILITIES AND COORDINATE WITH UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION.

UTILITY COMPANIES

CONTRACTOR SHALL HAVE ALL EXISTING BURIED UTILITIES "LINE SPOTTED" BY CALLING 1-800-432-4770 "CALL SUNSHINE" OR BY CONTACTING LOCAL UTILITY COMPANIES.

WATER & SEWER: CITY OF FT. WALTON BEACH
7 HOLLYWOOD BLVD., NW
FT. WALTON BEACH, FL 32548
PHONE: (850) 833-9613 - WATER
PHONE: (850) 833-9613 - SEWER
LINE SPOT: (850) 833-9613

ELECTRIC: FLORIDA POWER AND LIGHT
140 HOLLYWOOD BLVD. SW
FT. WALTON BEACH, FL 32548
CONTACT: BRIAN REEVES
PHONE: (850) 833-4826

GAS: OKALOOSA GAS DISTRICT
364 HIGHWAY 190
P.O. BOX 548
VALPARAISO, FL 32580
PHONE: (850) 729-4864
LINE SPOT: (850) 729-4880

CABLE TV: COX COMMUNICATIONS
ENGINEERING DEPARTMENT
320 NW RACETRACK ROAD
FT. WALTON BEACH, FL 32547
CONTACT: ROGER DIXON
PHONE: (850) 314-8121
LINE SPOT: (850) 862-4144

TELEPHONE: CENTURY LINK
P.O. BOX 1778
FT. WALTON BEACH, FL 32549
PHONE: (850) 664-3763
LINE SPOT: (800) 432-4770

PREPARED BY:

CHOCTAW ENGINEERING, INC.
112 TRUXTON AVENUE
FT. WALTON BEACH, FL 32547
PHONE: (850) 862-6611
FAX: (850) 863-8059
MSINER@CHOCTAWENG.COM

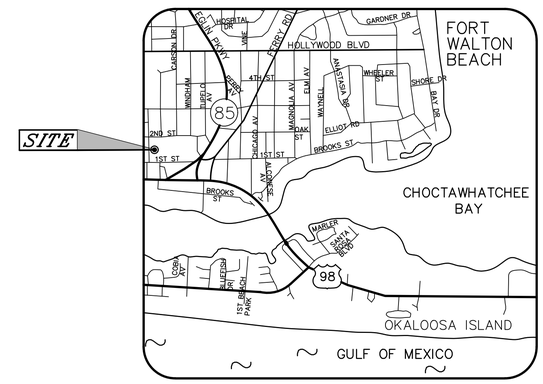
CEI PROJECT NO.: 2022-133-A

PREPARED FOR:

RA PROPERTY 88 LLC
1221 BRICKEL AVE, STE 900
MIAMI, FL 33131
PHONE: (650) 515-8409
EMAIL: MAX@REALAWAY.COM
CONTACT: MAX GROGAN-CRANE

LEGAL DESCRIPTION:

LOTS 1-8, BLOCK H, LOTS 1-16, BLOCK I & 1/2 BLOCK P, CAMP WALTON, AS PER PLAT THEREOF AS RECORDED IN PLAT BOOK 1, AT PAGE 30, OF THE PUBLIC RECORDS OF OKALOOSA COUNTY, FLORIDA.



LOCATION MAP
NOT TO SCALE

INDEX:

C100 COVER SHEET
C101 STORMWATER PREVENTION POLLUTION PLAN
C102 OVERALL SITE PLAN
C103 DEMOLITION PLAN
C104 SITE & UTILITY PLAN
C105 GRADING & DRAINAGE PLAN
C106 WATER & SEWER DETAILS
C107 SPECIFICATIONS (1 OF 2)
C108 SPECIFICATIONS (2 OF 2)

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License No: AR 97710

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AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

MARK COOPER SINER LICENSE No. 48831 STATE OF FLORIDA PROFESSIONAL ENGINEER

MARK C. SINER, P.E.
FLORIDA REG. NO. 48831

PROJECT NO. : 25034
SHEET TITLE:
COVER SHEET

SHEET NUMBER:
C100

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GENERAL NOTES:

1. MAINTENANCE OF EROSION CONTROL MEASURES IS OF PARAMOUNT IMPORTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS. THE EROSION CONTROL SYSTEM DESCRIBED WITHIN MINIMUM ACCEPTABLE STANDARDS FOR THIS PROJECT. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DEPENDENT UPON THE STAGE OF CONSTRUCTION, THE SEVERITY OF THE RAINFALL EVENT AND/OR AS DEEMED NECESSARY AS A RESULT OF ON-SITE INSPECTIONS BY THE OWNER, THEIR REPRESENTATIVES OR THE JURISDICTIONAL AUTHORITIES. THESE ADDITIONAL MEASURES SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER. IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO ENSURE THAT THE STORMWATER DISCHARGE FROM THE SITE DOES NOT EXCEED THE TOLERANCES ESTABLISHED BY ANY OF THE JURISDICTIONAL AUTHORITIES.

SITE DESCRIPTION:

LOCATION: 21 FIRST STREET SE, FT WALTON BEACH, FLORIDA

A. SITE CONDITIONS & ACTIVITIES NARRATIVE
  - A.1. CURRENTLY THE PROPERTY IS VACANT.
  - A.2. SITE OPERATOR (CONTRACTOR) SHALL PREPARE A CONSTRUCTION SCHEDULE THAT INCLUDES THE DATE GRADING WILL BEGIN AND THE EXPECTED DATE OF STABILIZATION AND SHALL INCLUDE THE CONSTRUCTION SCHEDULE AS PART OF THE STORMWATER POLLUTION PREVENT (SWPP) PLAN

B. SEQUENCE OF IMPLEMENTATION OF CONTROLS
  - B.1. INSTALLING OF CONTROL MEASURES.
  - B.2. CLEARING, GRUBBING AND EXCAVATION.
  - B.3. CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE BUILDING, SITE DEVELOPMENT, AND INFRASTRUCTURE NECESSARY TO SERVE THE PROPOSED SITE.
  - B.4. FINAL STABILIZATION.

C. ESTIMATE OF TOTAL PROJECT AREA AND ARE TO BE DISTURBED
  - C.1. THE TOTAL SITE AREA IS ± 5.82 ACRES
  - C.2. THE AREA TO BE DISTURBED IS ± 0.14 ACRES.

D. THE USDA SOIL CONSERVATION SERVICE SOIL SURVEY OF OKALOOSA COUNTY LISTS URBAN LAND AS THE PREDOMINANT SOIL TYPES FOR THE PROJECT AREA.

E. PROJECT DRAINS TO AN EXISTING STORMWATER SYSTEM CONNECTED TO SANTA ROSA SOUND.

F. MS4 OPERATOR NAME (IF ANY): CITY OF FORT WALTON BEACH.

G. CALCULATIONS REFER TO ENGINEER'S STORMWATER MANAGEMENT PLAN.

WIND EROSION CONTROL:

1. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION VEHICLE SPEED IF BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.
2. AS REQUIRED AFTER COMPLETION OF CONSTRUCTION, BAR EARTH AREAS SHALL BE VEGETATED.
3. AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS MAY INCLUDE ERECTION OF DUST CONTROL FENCES. IF REQUIRED, DUST CONTROL FENCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL FOR A SILT FENCE EXCEPT THE MINIMUM HEIGHT SHALL BE FOUR (4) FEET.

IN ADDITION TO THOSE RESPONSIBILITIES OUTLINED WITHIN THE CONSTRUCTION PLANS AND DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING MEASURES:

1. PROJECT SCHEDULE WITH EROSION AND SEDIMENT CONTROL INSTALLATIONS AND MAINTENANCE TIED TO SPECIFIC DATES OR CONSTRUCTION ACTIVITIES.
2. ALTERATIONS TO THE DESIGN EROSION AND SEDIMENT CONTROLS DUE TO DIFFERENCE BETWEEN THE DESIGN PLANS AND ANTICIPATED CONSTRUCTION PHASING AND THE CONTRACTOR'S CONSTRUCTION METHODS.
3. NAME AND PHONE NUMBERS OF CONTRACTOR'S REPRESENTATIVE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE ON A 24 HOUR BASES.
4. THE CONTRACTOR WILL FURNISH, INSTALL, MAINTAIN AND SUBSEQUENTLY REMOVE, ALL NECESSARY EROSION CONTROL. THE CONTRACTOR WILL FURNISH AND INSTALL ALL NECESSARY PERMANENT EROSION CONTROLS.
5. THE DEVELOPMENT OF THE APPLICABLE BMPS TO ENSURE THE CONTROL OF OFF-SITE TRACKING/SPILLAGE, SANITARY WASTE, FERTILIZERS & PESTICIDES, SOLID WASTE DISPOSAL, AND NON-STORMWATER DISCHARGES & HAZARDOUS WASTE. WHEN THE CONTRACTOR ENCOUNTERS A SPILL, CONSTRUCTION WILL STOP AND WORK WILL NOT RESUME UNTIL DIRECTED BY THE APPROPRIATE AGENCY. DISPOSITION OF HAZARDOUS WASTE WILL BE MADE IN ACCORDANCE WITH ANY REQUIREMENTS AND REGULATIONS OF ANY LOCAL, STATE, OR FEDERAL, AGENCY HAVING JURISDICTION.

THE CONTRACTOR IS ADVISED THAT THE CONTRACT DRAWING ONLY INDICATE EROSION, SEDIMENT, AND TURBIDITY CONTROLS AT LOCATIONS DETERMINED IN THE DESIGN PROCESS. HOWEVER, THE CONTRACTOR IS REQUIRED TO PROVIDE ANY ADDITIONAL CONTROLS NECESSARY TO PREVENT THE POSSIBILITY OF SILTING ANY ADJACENT LOWLAND PARCEL OR RECEIVING WATER.

MAINTENANCE:

MAINTENANCE OF EROSION CONTROL OF DEVICES IS OF PARAMOUNT IMPORTANCE TO THE PROPERTY OWNER/USER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL POLLUTION PREVENTION CONTROLS. DAILY REVIEW SHALL BE MADE BY THE CONTRACTOR TO DETERMINE IF CONSTRUCTION ACTIVITIES SHAVE ALTERED THE EFFECTIVENESS OF EROSION, SEDIMENTATION, TURBIDITY, AND POLLUTION CONTROL MEASURES. CORRECTIVE ACTION SHALL BE PERFORMED IMMEDIATELY. THE CONTRACTOR WILL COMPLETE A REPORT DETAILING MEASURES THAT ARE NOT ACHIEVING PERMIT COMPLIANCE AND THE CORRECTIVE ACTION THAT IS TAKEN UNLESS OTHERWISE SPECIFIED. ACCUMULATED SEDIMENTS SHOULD BE REMOVED BEFORE THEY REACH ONE-HALF OF THE CAPACITY OF THE CONTROL DEVICE.

SEQUENCE OF CONSTRUCTION

A. PHASE I
  - A.1. INSTALL STABILIZED CONSTRUCTION ENTRANCES.
  - A.2. CONSTRUCT SILT FENCES ON SITE.
  - A.3. PREPARE TEMPORARY PARKING AND STORAGE AREA.CONSTRUCT THE SEDIMENTATION AND SEDIMENT TRAP BASINS.
  - A.4. CLEAR AND RUB THE SITE.
  - A.5. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.
  - A.6. BEGIN GRADING THE SITE.

B. PHASE II
  - B.1. TEMPORARILY SEED DENUDED AREAS
  - B.2. INSTALL UTILITIES, UNDER DRAINS, STORM SEWERS, CURB AND GUTTERS.
  - B.3. INSTALL RIP RAP AROUND OUTLET STRUCTURES.
  - B.4. INSTALL INLET PROTECTION AROUND ALL STORM SEWER STRUCTURES.
  - B.5. PREPARE SITE PARKING,
  - B.6. PAVE SITE.
  - B.7. INSTALL INLET PROTECTION DEVICES.
  - B.8. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING.
  - B.9. SOD ALL DISTURBED AREAS WITH GRADES GREATER THAN 5 TO 1.
  - B.10. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED.)

EROSION AND SEDIMENT CONTROLS:

EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS FIRST STEP IN CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. THE EROSION CONTROL SYSTEM DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS SHOULD BE CONSIDERED TO REPRESENT THE MINIMUM ACCEPTABLE STANDARDS FOR THIS PROJECT. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DEPENDENT UPON THE STAGE OF CONSTRUCTION, THE SEVERITY OF THE RAINFALL EVENT AND/OR AS DEEMED NECESSARY AS A RESULT OF ON-SITE INSPECTIONS BY THE OWNER, THEIR REPRESENTATIVES OR THE JURISDICTIONAL AUTHORITIES. THESE ADDITIONAL MEASURES SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER. IT IS NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN SHOULD BE ONLY THE SUGGESTED BEST MANAGEMENT PRACTICES (BMPS). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENT ND EROSION CONTROL MEASURES AS SPECIFIED IN FDOT INDEXES #100 THROUGH #102 AND AS NECESSARY FOR EACH SPECIFIC APPLICATION. IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO ENSURE THAT THE STORMWATER DISCHARGE FROM THE SITE DOES NOT EXCEED THE TOLERANCES ESTABLISHED BY ANY OF THE JURISDICTIONAL AUTHORITIES.

A. GENERAL EROSION CONTROL
  - A.1. CLEARING AND GRUBBING OPERATIONS SHALL BE CONTROLLED SO AS TO MINIMIZE UNPROTECTED ERODABLE AREAS EXPOSED TO WEATHER. GENERAL EROSION CONTROL BMPS SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND OFF-SITE SEDIMENTATION WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC. THEY SHOULD BE EMPLOYED PRIOR TO ANY CONSTRUCTION ACTIVITY.
  - A.2. EXCAVATION MATERIAL WILL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGHWATER OR STORMWATER RUNOFF. STOCKPILED MATERIAL SHALL BE COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES.
  - A.3. STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. CLEARED SITE DEVELOPMENT AREAS WHICH WILL REMAIN AT ROUGH GRADE FOR 14 DAYS OR MORE SHOULD BE STABILIZED IMMEDIATELY BY COVERING WITH ADEQUATE AMOUNTS OF HAY, OVER-SEEDED AND PERIODICALLY WATERED BY SUFFICIENTLY TO STABILIZE THE TEMPORARY GROUNDCOVER OR BY THE USE OF AN APPROPRIATE ALTERNATIVE BMP.
  - A.4. ALL GRASS SLOPES CONSTRUCTED STEEPER THAN 4H-1V SHALL BE SODDED IMMEDIATELY AFTER FINAL GRADE IS ESTABLISHED.
  - A.5. WHERE REQUIRED TO PREVENT EROSION FROM SHEET FLOW ACROSS BARE GROUND FROM ENTERING A LAKE OR SWALE. A TEMPORARY SEDIMENT SUMP SHALL BE CONSTRUCTED. THE TEMPORARY SEDIMENT SUMP SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED ON THE GROUND DRAINING TO THE SUMP.
  - A.6. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.

B. PROTECTION OF SURFACE WATERS
  - B.1. WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES. SWALES SHALL BE CONSTRUCTED AS SHOWN ON PLANS.
  - B.2. EROSIONS CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY.
    - B.2.1. NEW AND EXISTING STORMWATER INLETS AND OUTFALL STRUCTURES SHALL BE PROTECTED DURING CONSTRUCTION.
    - B.2.2. NEW AND EXISTING STORMWATER INLETS AND OUTFALL STRUCTURES SHALL BE PROTECTED DURING CONSTRUCTION. PROTECTION MEASURES SHALL BE EMPLOYED IMMEDIATELY AS REQUIRED DURING THE VARIOUS STAGES OF CONSTRUCTION.
    - B.3.2. PERIMETER EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL FINAL SITE STABILIZATION HAS BEEN ESTABLISHED.
  - B.4. HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL. GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN, SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OF OIL, GREASE, LUBRICANTS, OR OTHER CONTAMINANTS. CONTRACTORS SHALL HAVE AVAILABLE, AND SHALL USE, ABSORBENT FILTER PADS TO CLEAN UP SPILLS IMMEDIATELY AFTER ANY OCCURRENCE.

REFERENCES:

1. THE CONSTRUCTION PLANS AND SPECIFICATIONS FOR THIS PROJECT, CHOCTAW ENGINEERING, INC PROJECT NO. 2022-133-A, AS PREPARED BY CHOCTAW ENGINEERING, INC., AND REFERENCED AND MADE A PART OF THIS PLAN.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FILE "NOTICE OF INTENT O USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES" (DEP FORM 62-621.300(4)(B) OR LATEST VERSION) TO FDEP VIA WEBSITE ELECTRONIC SUBMITTAL OR TO THE FOLLOWING ADDRESS:

   NPDES STORMWATER NOTICES CENTER, MS #3585
   FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
   2600 BLAIR STONE ROAD
   TALLAHASSEE, FLORIDA 32399-2400

TREE PROTECTION:

CRITICAL ROOT AREAS FOR TREES SHOWN TO BE PRESERVED SHALL NOT BE DISTURBED. CONTRACTOR SHALL PAY CLOSE ATTENTION WHEN CLEARING AND/OR GRADING THE SITE TO ENSURE THAT WHEN EXISTING ROOTS ARE ENCOUNTERED THEY ARE CUT EVENLY WITH CLEAN SHARP PRUNING TOOLS. CONTRACTOR SHALL BE RESPONSIBLE FOR MINIMIZING THE DAMAGE OF THE EXISTING ROOT SYSTEMS.

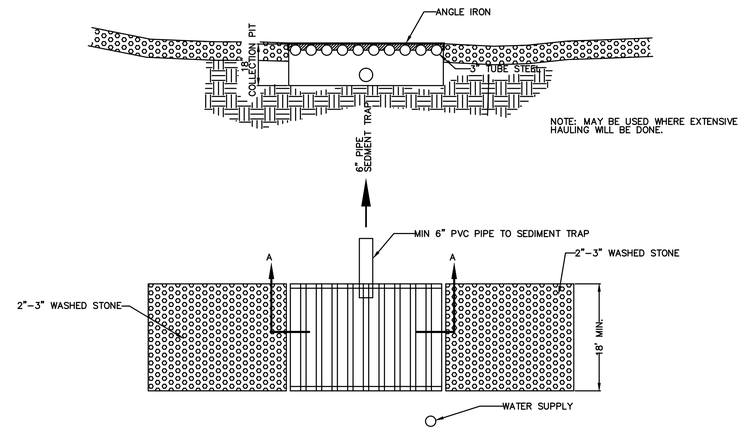
STORMWATER MANAGEMENT

THE STORMWATER RUNOFF FROM THE PROJECT AREA WILL BE COLLECTED ON SITE PRIOR TO A CONTROLLED DISCHARGE TO CINCO BAYOU.

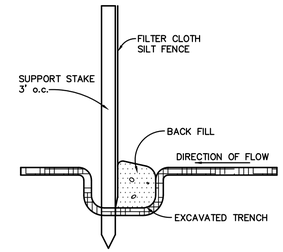
APPROVED STATE AND LOCAL PLANS OR PERMITS:

THE FOLLOWING PERMITS ARE REQUIRED FOR THE CONSTRUCTION OF THE STORMWATER FACILITIES FOR THIS PROJECT.

1. CITY OF FORT WALTON BEACH CONSTRUCTION PERMIT
2. NWFWMD 10-2 SELF-CERTIFICATION



CONSTRUCTION ENTRANCE TIRE WASH
N.T.S.



NOTE:
SILT FENCE TO BE CONSTRUCTED AND MAINTAINED AROUND ALL INLETS; ALSO ACROSS DRAINAGE COURSE AT EDGE OF SITE AND AT 150' INTERVALS.

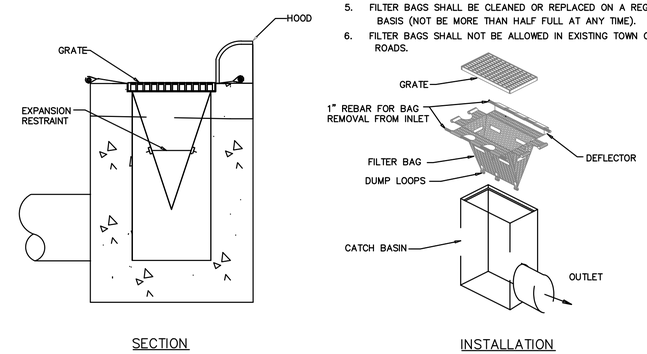
SILT FENCE DETAIL
N.T.S.

EROSION NOTES:

1. EROSION PROTECTION: SOIL EROSION SEDIMENTATION MUST BE CONTROLLED AND RETAINED ON SITE DURING CONSTRUCTION. THEREFORE, EROSION PROTECTION, SUCH AS STAKED BALED HAY AND SILT FENCE BARRIERS, MUST BE INSTALLED PRIOR TO START OF CONSTRUCTION.
2. SILT FENCE BARRIER SHALL BE INSTALLED AS SHOWN ON PLANS, AND IN ALL AREAS SUBJECT TO SOIL EROSION SEDIMENTATION.
3. STORMWATER DETENTION AREAS SHALL BE SODDED.
4. GRADES AT CURBS ARE AT FLOWLINE.

NOTES

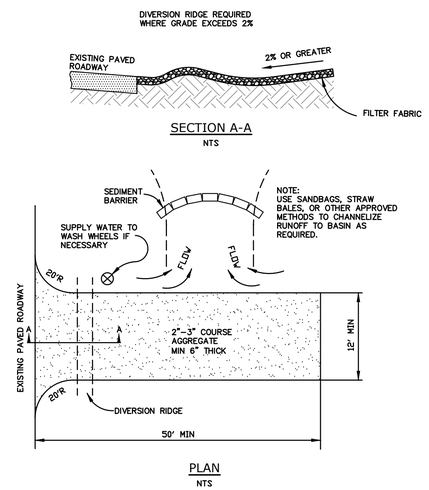
1. INLET MAINTENANCE SHALL BE DOCUMENTED IN PROJECT LOG BOOK.
2. FILTER TYPES SHALL BE APPROVED BY THE INSPECTOR PRIOR TO INSTALLATION.
3. FILTER BAGS MAY BE REMOVED WHEN SITE IS STABILIZED AT THE DIRECTION OF THE ENGINEER.
4. FILTER BAGS SHALL BE REMOVED PRIOR TO STREET ACCEPTANCE.
5. FILTER BAGS SHALL BE CLEANED OR REPLACED ON A REGULAR BASIS (NOT BE MORE THAN HALF FULL AT ANY TIME).
6. FILTER BAGS SHALL NOT BE ALLOWED IN EXISTING TOWN OR NCDOT ROADS.



SECTION

INSTALLATION

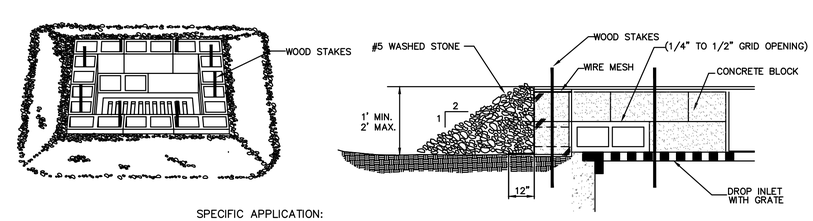
CATCH BASIN INLET PROTECTION
N.T.S.



TEMPORARY CONSTRUCTION ENTRANCE DETAIL

NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



SPECIFIC APPLICATION:

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.

BLOCK AND GRAVEL INLET PROTECTION
N.T.S.

B&A Architectural Group Inc.
3298 SUMMIT BLVD, SUITE 22G2
PENSACOLA, FL 32504
(850) 361-2983
BAARCHITECTURALGROUPINC.COM
License No: AR 97710

PROJECT ISSUES:

CONCEPT SKETCHES	2025-05-05
SCHEMATIC DESIGN	2026-04-10
REVISED PLAN	2026-05-18
DESIGN DEVELOPMENT	2026-06-26
CONSTRUCTION DOCUMENTS	2026-09-15

PROJECT TEAM:

CIVIL ENGINEER
  LJA ENGINEERING
ARCHITECTURAL
  B&A ARCHITECTURAL GROUP
INTERIOR DESIGNER
  B&A ARCHITECTURAL GROUP
STRUCTURAL ENGINEER
  AMI CONSULTING LLC
MECHANICAL
  DAY CONSULTING
PLUMBING
  DAY CONSULTING
ELECTRICAL
  JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

MARK COOPER SINER LICENSE No. 48831 STATE OF FLORIDA PROFESSIONAL ENGINEER

MARK C. SINER, P.E.
FLORIDA REG. NO. 48831

PROJECT NO. : 25034
SHEET TITLE:
STORMWATER PREVENTION POLLUTION PLAN

SHEET NUMBER:
C101

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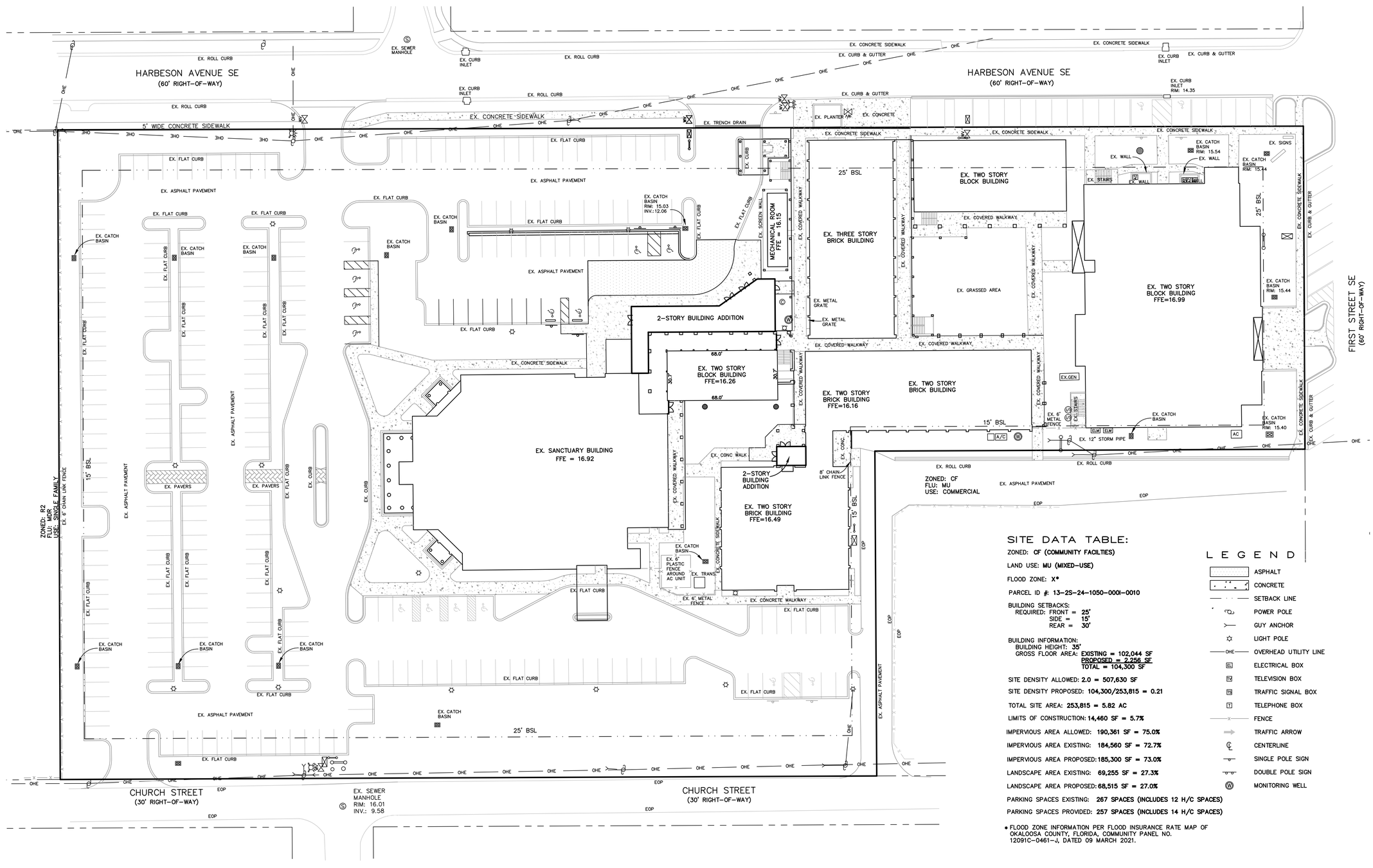
DO NOT SCALE DRAWINGS



GRAPHIC SCALE

30 0 15 30 60

(IN FEET)

SCALE: 1" = 30 ft.

NORTH

SITE DATA TABLE:

ZONED: CF (COMMUNITY FACILTIES)

LAND USE: MU (MIXED-USE)

FLOOD ZONE: X*

PARCEL ID #: 13-2S-24-1050-0001-0010

BUILDING SETBACKS:
REQUIRED: FRONT = 25'
SIDE = 15'
REAR = 30'

BUILDING INFORMATION:
BUILDING HEIGHT: 35'
GROSS FLOOR AREA: EXISTING = 102,044 SF
PROPOSED = 2,258 SF
TOTAL = 104,300 SF

SITE DENSITY ALLOWED: 2.0 = 507,630 SF

SITE DENSITY PROPOSED: 104,300/253,815 = 0.21

TOTAL SITE AREA: 253,815 = 5.82 AC

LIMITS OF CONSTRUCTION: 14,460 SF = 5.7%

IMPERVIOUS AREA ALLOWED: 190,361 SF = 75.0%

IMPERVIOUS AREA EXISTING: 184,560 SF = 72.7%

IMPERVIOUS AREA PROPOSED: 185,300 SF = 73.0%

LANDSCAPE AREA EXISTING: 69,255 SF = 27.3%

LANDSCAPE AREA PROPOSED: 68,515 SF = 27.0%

PARKING SPACES EXISTING: 267 SPACES (INCLUDES 12 H/C SPACES)

PARKING SPACES PROVIDED: 257 SPACES (INCLUDES 14 H/C SPACES)

* FLOOD ZONE INFORMATION PER FLOOD INSURANCE RATE MAP OF OKALOOSA COUNTY, FLORIDA, COMMUNITY PANEL NO. 12091C-0461-J, DATED 09 MARCH 2021.

LEGEND

- ASPHALT
- CONCRETE
- SETBACK LINE
- POWER POLE
- GUY ANCHOR
- LIGHT POLE
- OHE — OVERHEAD UTILITY LINE
- EL — ELECTRICAL BOX
- TV — TELEVISION BOX
- TS — TRAFFIC SIGNAL BOX
- T — TELEPHONE BOX
- FENCE
- TRAFFIC ARROW
- CENTERLINE
- SINGLE POLE SIGN
- DOUBLE POLE SIGN
- W — MONITORING WELL

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PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

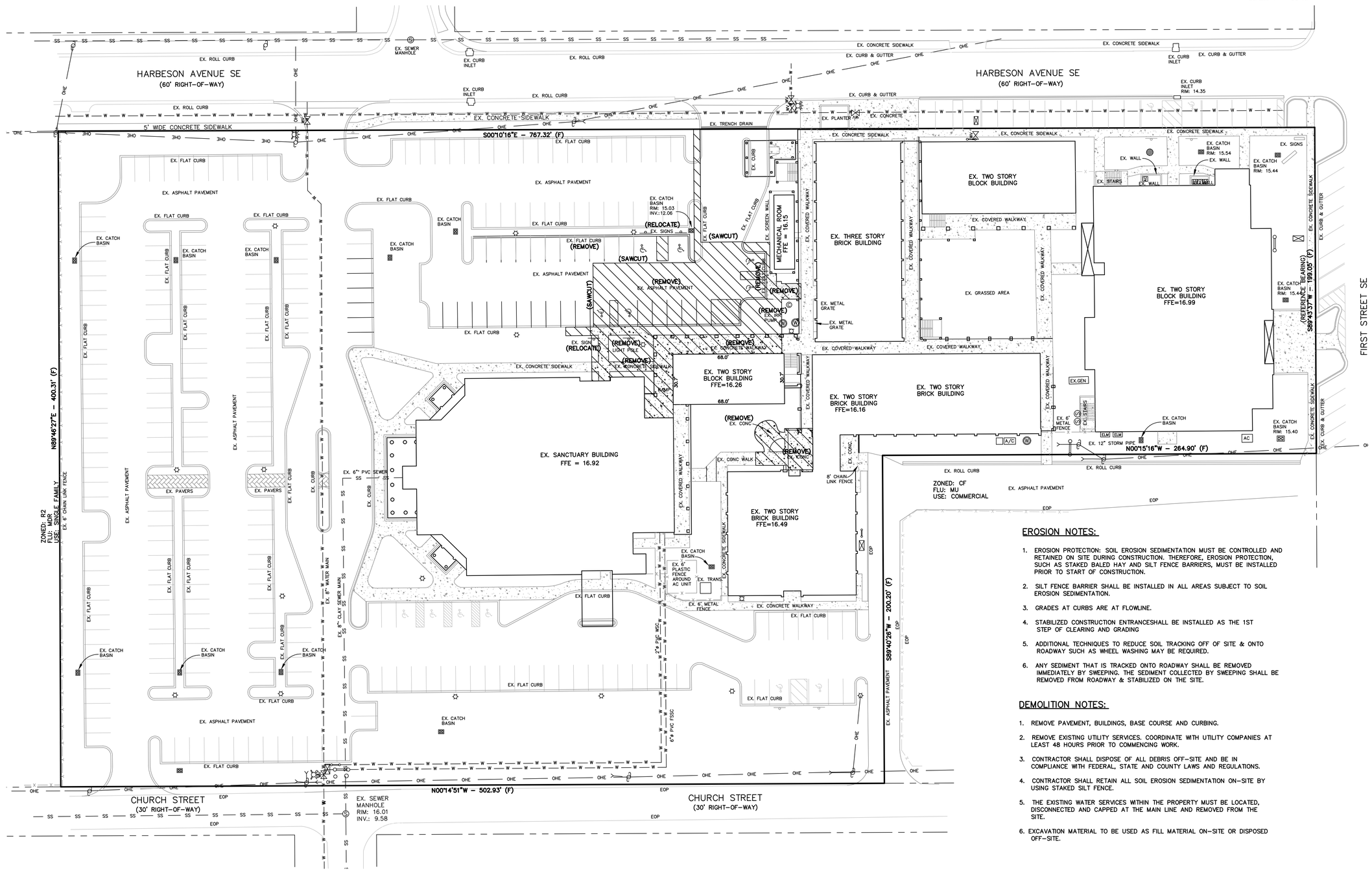
FORT WALTON BEACH FLORIDA

MARK COOPER SINER LICENSE No. 48831 STATE OF FLORIDA PROFESSIONAL ENGINEER

MARK C. SINER, P.E.
FLORIDA REG. NO. 48831

PROJECT NO. : 25034
SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
C102



EROSION NOTES:

1. EROSION PROTECTION: SOIL EROSION SEDIMENTATION MUST BE CONTROLLED AND RETAINED ON SITE DURING CONSTRUCTION. THEREFORE, EROSION PROTECTION, SUCH AS STAKED BALED HAY AND SILT FENCE BARRIERS, MUST BE INSTALLED PRIOR TO START OF CONSTRUCTION.
2. SILT FENCE BARRIER SHALL BE INSTALLED IN ALL AREAS SUBJECT TO SOIL EROSION SEDIMENTATION.
3. GRADES AT CURBS ARE AT FLOWLINE.
4. STABILIZED CONSTRUCTION ENTRANCESHALL BE INSTALLED AS THE 1ST STEP OF CLEARING AND GRADING
5. ADDITIONAL TECHNIQUES TO REDUCE SOIL TRACKING OFF OF SITE & ONTO ROADWAY SUCH AS WHEEL WASHING MAY BE REQUIRED.
6. ANY SEDIMENT THAT IS TRACKED ONTO ROADWAY SHALL BE REMOVED IMMEDIATELY BY SWEEPING. THE SEDIMENT COLLECTED BY SWEEPING SHALL BE REMOVED FROM ROADWAY & STABILIZED ON THE SITE.

DEMOLITION NOTES:

1. REMOVE PAVEMENT, BUILDINGS, BASE COURSE AND CURBING.
2. REMOVE EXISTING UTILITY SERVICES. COORDINATE WITH UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.
3. CONTRACTOR SHALL DISPOSE OF ALL DEBRIS OFF-SITE AND BE IN COMPLIANCE WITH FEDERAL, STATE AND COUNTY LAWS AND REGULATIONS.
4. CONTRACTOR SHALL RETAIN ALL SOIL EROSION SEDIMENTATION ON-SITE BY USING STAKED SILT FENCE.
5. THE EXISTING WATER SERVICES WITHIN THE PROPERTY MUST BE LOCATED, DISCONNECTED AND CAPPED AT THE MAIN LINE AND REMOVED FROM THE SITE.
6. EXCAVATION MATERIAL TO BE USED AS FILL MATERIAL ON-SITE OR DISPOSED OFF-SITE.

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PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

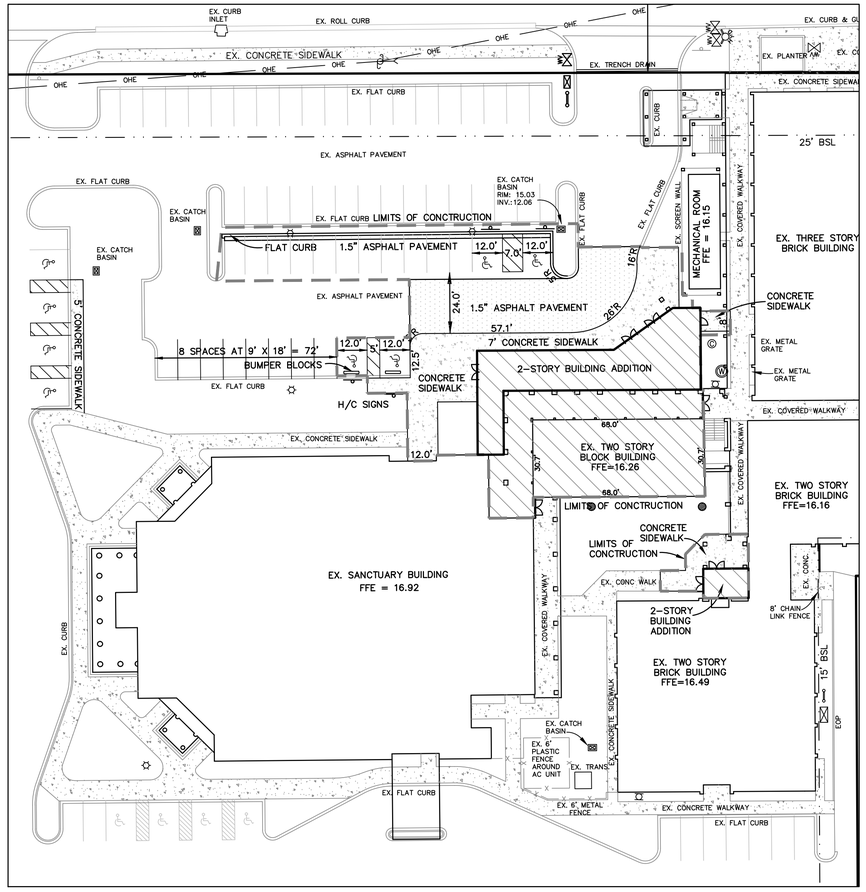
FORT WALTON BEACH FLORIDA

MARK COOPER SINER LICENSE No. 48831 STATE OF FLORIDA PROFESSIONAL ENGINEER

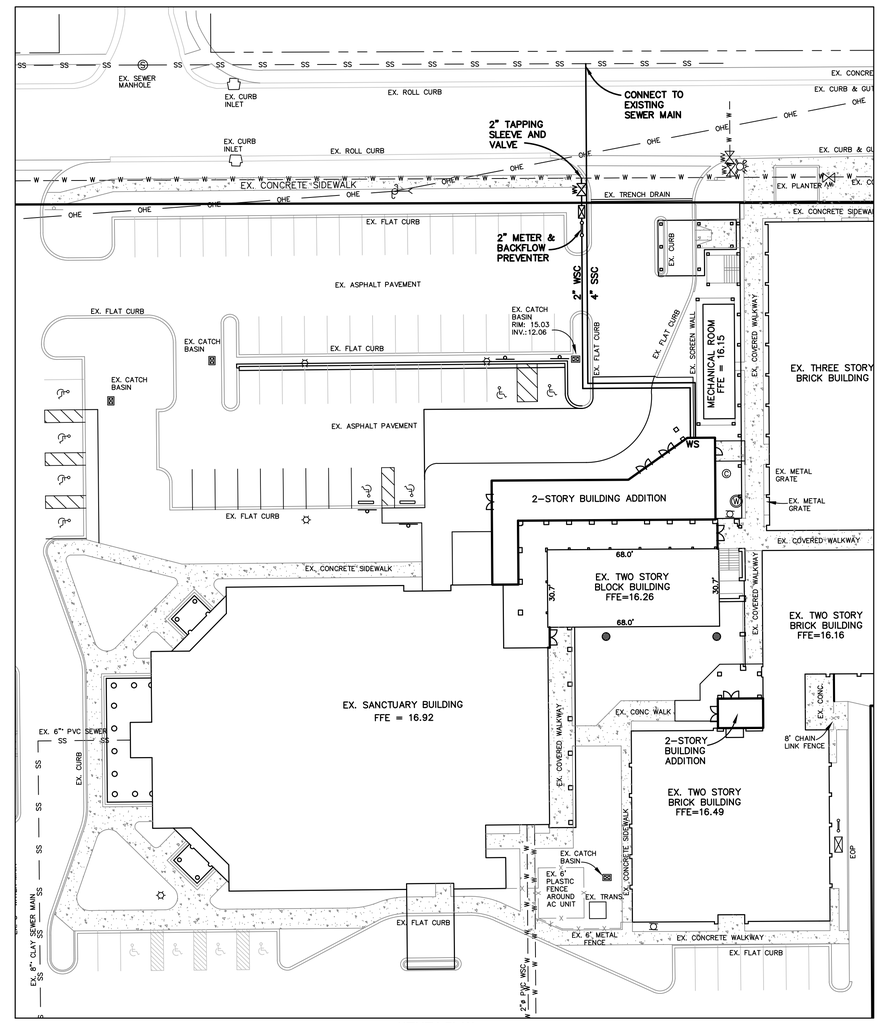
MARK C. SINER, P.E.
FLORIDA REG. NO. 48831

PROJECT NO. : 25034
SHEET TITLE:
DEMOLITION PLAN

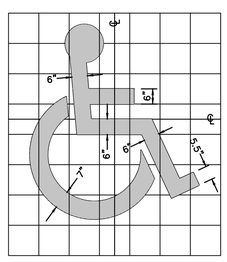
SHEET NUMBER:
C103

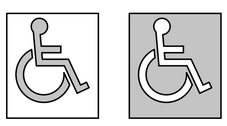


SITE PLAN



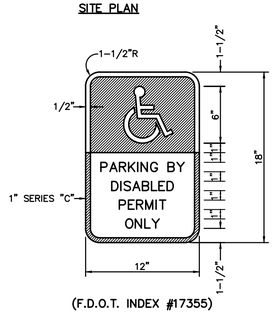
UTILITY PLAN



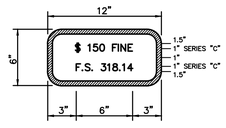


COLOR CONTRAST
CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUNDS – EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

HANDICAP SYMBOL DETAIL
N.T.S.
SYMBOL SHALL BE PAINTED BLUE AND TO THE DIMENSIONS SHOWN



(F.D.O.T. INDEX #17355)



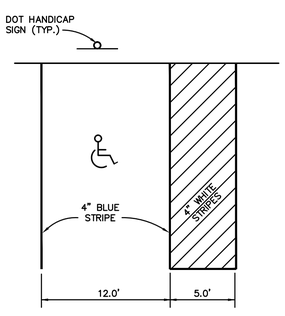
(FTP – 55)

COLOR

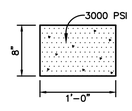
BACKGROUND	WHITE
LEGEND & BORDER	BLACK

THIS PANEL SHALL BE INSTALLED UNDER THE FTP-25 OR FTP-26 HANDICAP PARKING SIGN.

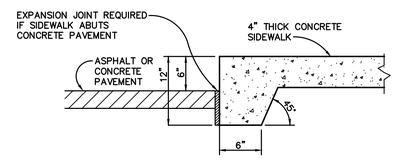
HANDICAP SIGN DETAIL
(F.D.O.T. INDEX No. 700-102)
N.T.S.



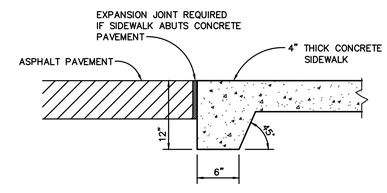
HANDICAP AREA STRIPING DETAIL
N.T.S.



CONCRETE FLAT CURB DETAIL
N.T.S.



SIDEWALK THICKENED EDGE DETAIL
N.T.S.
THICKENED EDGE SIDEWALK SHALL BE INSTALLED WHEN SIDEWALK ABUTS PAVED PARKING AREA OR STREETS.



FLUSH SIDEWALK THICKENED EDGE DETAIL
N.T.S.
THICKENED EDGE SIDEWALK SHALL BE INSTALLED WHEN SIDEWALK ABUTS PAVED PARKING AREA OR STREETS.

NORTH

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
SCALE: 1" = 30 ft.

LEGEND

- ASPHALT
- CONCRETE
- SETBACK LINE
- POWER POLE
- GUY ANCHOR
- LIGHT POLE
- OHE — OVERHEAD UTILITY LINE
- EL — ELECTRICAL BOX
- TV — TELEVISION BOX
- TS — TRAFFIC SIGNAL BOX
- T — TELEPHONE BOX
- FENCE
- TRAFFIC ARROW
- CENTERLINE
- SINGLE POLE SIGN
- DOUBLE POLE SIGN
- W — MONITORING WELL
- FFE — FINISHED FLOOR ELEVATION
- DHW — DESIGN HIGH WATER
- PT — PERC TEST LOCATION
- BENCHMARK
- 5.5 — PROPOSED SPOT GRADE
- +5.00 — EXISTING SPOT GRADE
- EXISTING CONTOUR
- 5 — PROPOSED CONTOUR
- SF — STAKED SILT FENCE
- A — BASIN AREA
- PROPOSED STORM SEWER PIPE
- CPP — CORRUGATED POLYETHYLENE PIPE
- EXISTING STORM SEWER PIPE
- STORM DRAIN MANHOLE
- CATCH BASIN
- TYPE "9" CURB INLET
- TYPE "3" CURB INLET
- TYPE "4" CURB INLET
- MITERED END SECTION

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PROJECT ISSUES:

CONCEPT SKETCHES	2025-05-05
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REVISED PLAN	2026-05-18
DESIGN DEVELOPMENT	2026-06-26
CONSTRUCTION DOCUMENTS	2026-09-15

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INTERIOR DESIGNER
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STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

MARK COOPER SINER LICENSE No. 48831 STATE OF FLORIDA PROFESSIONAL ENGINEER

MARK C. SINER, P.E.
FLORIDA REG. NO. 48831

PROJECT NO. : 25034
SHEET TITLE:
SITE & UTILITY PLAN

SHEET NUMBER:
C104

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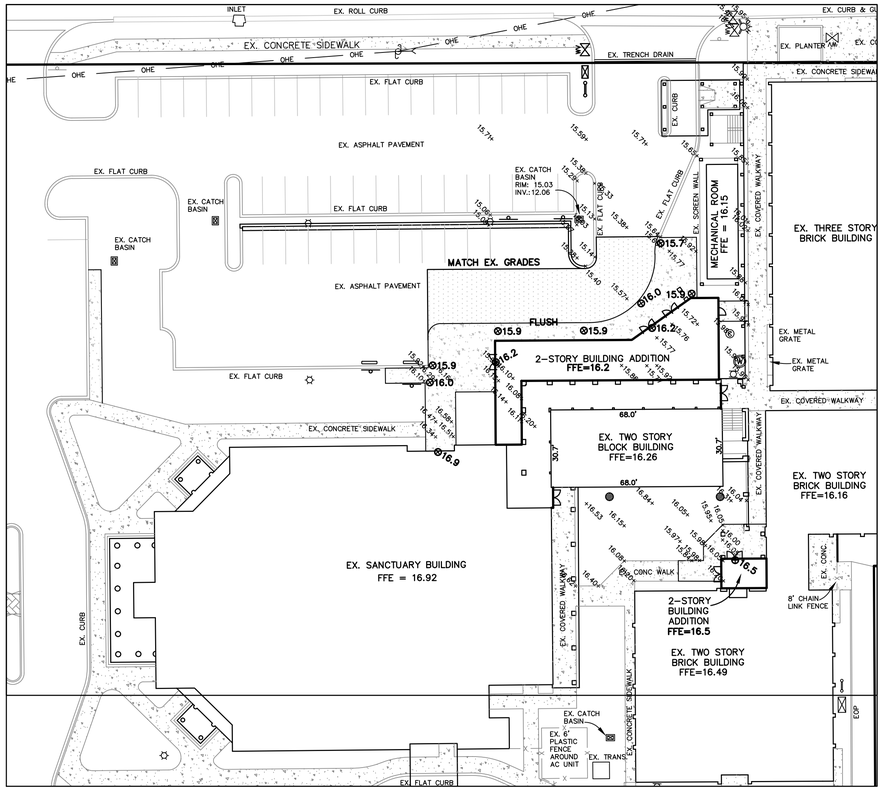
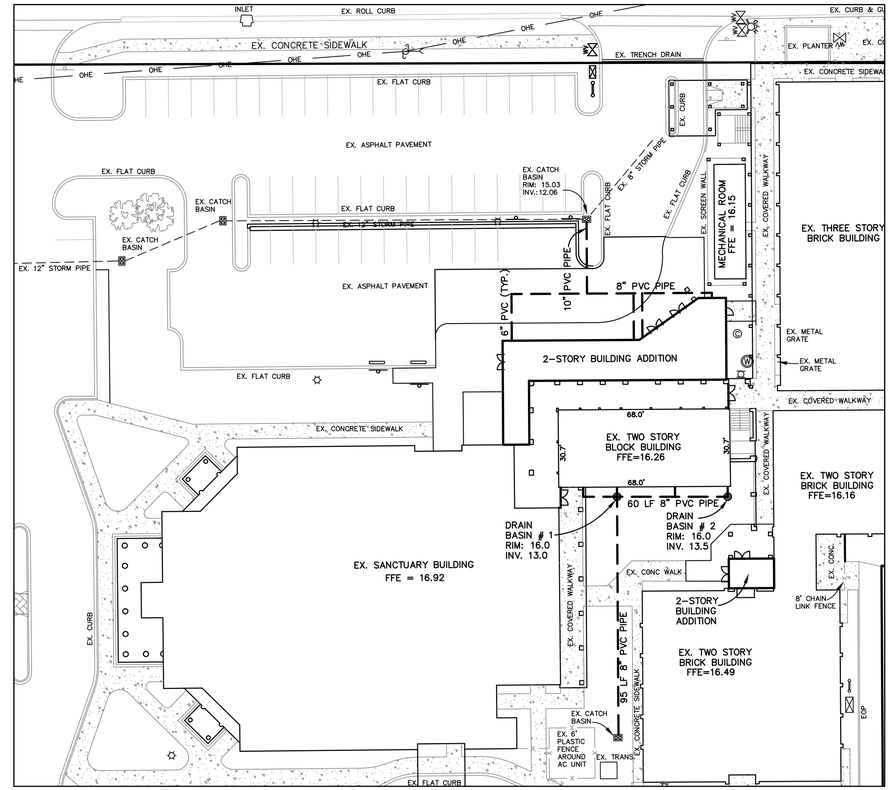


GRADING PLAN



DRAINAGE PLAN

GRAPHIC SCALE

30 0 15 30 60

(IN FEET)

SCALE: 1" = 30 ft.

LEGEND

	DIRECTION OF STORMWATER RUNOFF
FFE	FINISHED FLOOR ELEVATION
DHW	DESIGN HIGH WATER
PT	PERC TEST LOCATION
	BENCHMARK
5.5	PROPOSED SPOT GRADE
+5.00	EXISTING SPOT GRADE
5	EXISTING CONTOUR
5	PROPOSED CONTOUR
SF	STAKED SILT FENCE
A	BASIN AREA
	PROPOSED STORM SEWER PIPE
CPP	CORRUGATED POLYETHYLENE PIPE
	EXISTING STORM SEWER PIPE
	STORM DRAIN MANHOLE
	CATCH BASIN
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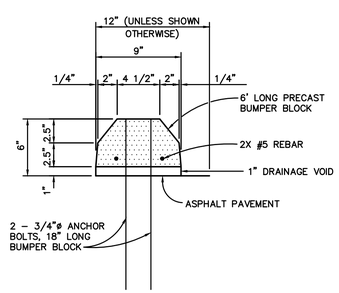
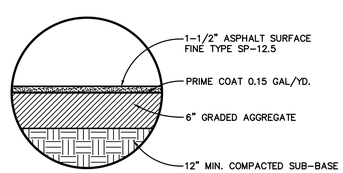
	MITERED END SECTION



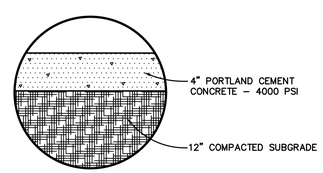
PRECAST CONCRETE BUMPER DETAIL

N.T.S.



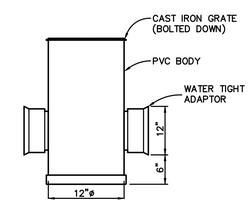
1-1/2" ASPHALT PAVEMENT DETAIL

N.T.S.



4" CONCRETE PAVEMENT DETAIL

N.T.S.



NYLOPLAST DRAIN BASIN DETAIL

N.T.S.

EROSION NOTES:

1. EROSION PROTECTION: SOIL EROSION SEDIMENTATION MUST BE CONTROLLED AND RETAINED ON SITE DURING CONSTRUCTION. THEREFORE, EROSION PROTECTION, SUCH AS STAKED BALED HAY AND SILT FENCE BARRIERS, MUST BE INSTALLED PRIOR TO START OF CONSTRUCTION.
2. SILT FENCE BARRIER SHALL BE INSTALLED IN ALL AREAS SUBJECT TO SOIL EROSION SEDIMENTATION.
3. STORMWATER RETENTION AREAS SHALL BE SODDED.
4. GRADES AT CURBS ARE AT FLOWLINE.

NOTE: DIRECT ALL ROOF DRAINAGE TO STORMWATER RETENTION AREAS.

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MARK C. SINER, P.E.
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PROJECT NO. : 25034

SHEET TITLE:

GRADING AND DRAINAGE PLAN

SHEET NUMBER:

C105

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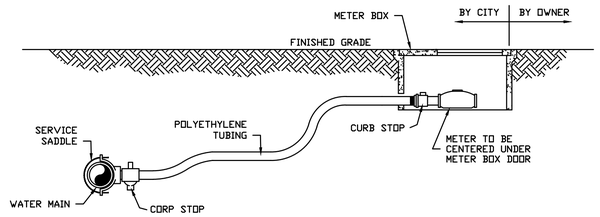
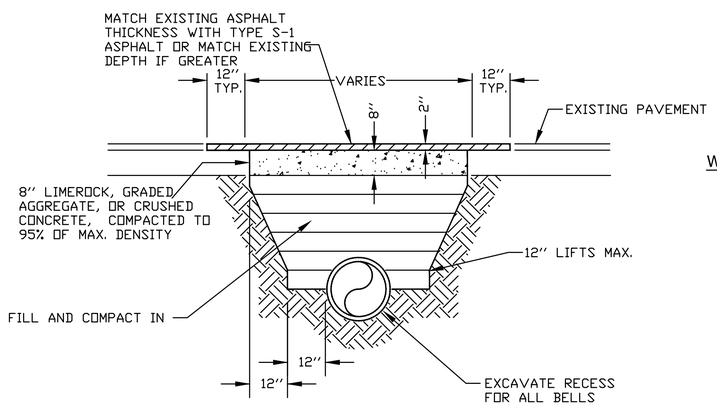


3/4" - 2" WATER METER INSTALLATION

NOT TO SCALE

GENERAL NOTES:

1. ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/PACK JOINT TYPE CONNECTIONS.
2. NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
3. ALL SERVICE TAPS TO BE LOCATED IN FIELD. TAPS SHALL BE NO CLOSER THAN AND WILL NOT BE SET IN DRAINAGE SWALES, EASEMENTS OR SIDEWALKS.

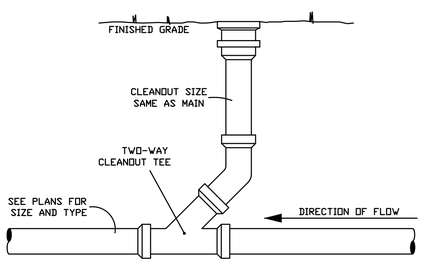


STANDARD UTILITY PATCH RESTORATION

NOT TO SCALE

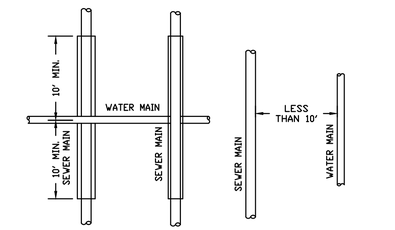
GENERAL NOTES:

1. THE FINAL SAW CUT SHALL BE MADE A DISTANCE OF 12 INCHES BEYOND THE TRENCH, AFTER TRENCH EXCAVATION AND BACKFILL ARE COMPLETE. IF THE DISTANCE FROM THE EDGE OF THE TRENCH TO AN EXISTING BREAK OR JOINT IS LESS THAN 4 FEET, THE FINAL SAW CUT SHALL BE LOCATED AT THE EXISTING BREAK OR JOINT.
2. JOINTS SHALL BE LAPPED AND FEATHERED.

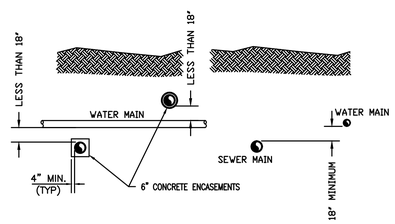


STANDARD SEWER CLEANOUT
(SIZE SAME AS MAIN)

NOT TO SCALE



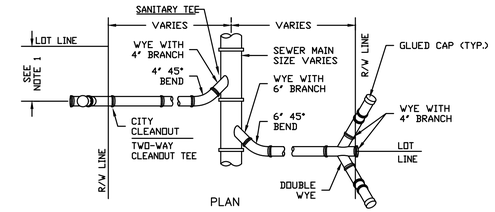
PLAN VIEW



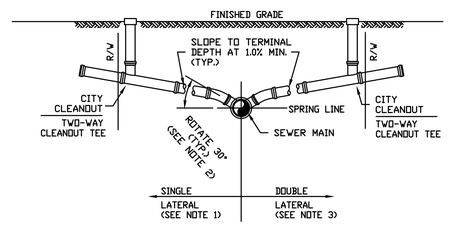
SECTION VIEW

WATER & SEWER MAIN CROSSING/SEPARATION

NOT TO SCALE



PLAN



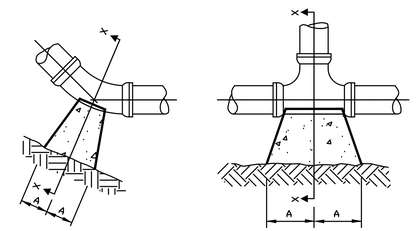
PROFILE

SANITARY SEWER SERVICE LATERAL

NOT TO SCALE

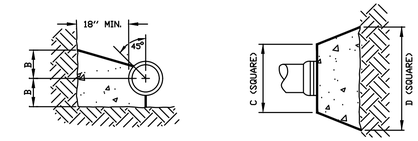
GENERAL NOTES:

1. LOCATE SINGLE LATERAL AS NEAR TO CENTER OF LOT AS POSSIBLE.
2. INVERT OF SERVICE LATERAL SHALL NOT ENTER SEWER MAIN BELOW SPRING LINE.
3. DOUBLE SERVICE LATERALS ONLY PERMITTED ON TAPS TO EXISTING GRAVITY MAINS WERE EXISTING ROAD PAVEMENT MUST BE CUT.



BENDS

TEES



SECTION "X-X" BENDS & TEES

PLAN & ELEVATION PLUGS

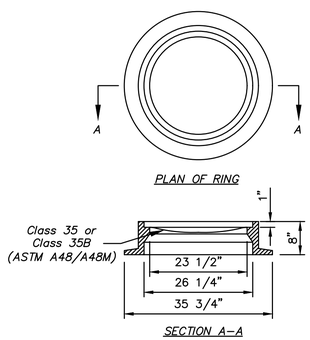
STANDARD THRUST BLOCK

NOT TO SCALE

SIZE	1/4 BENDS		1/8 BENDS		1/16 BENDS		TEES		PLUGS	
	A	B	A	B	A	B	A	B	C	D
4"	8"	8"	12"	8"	3"	8"	8"	8"	10"	10"
6"	12"	12"	16"	10"	5"	9"	9"	12"	12"	20"
8"	16"	16"	22"	13"			13"	16"	12"	29"
10"	20"	20"	26"	17"			16"	20"	14"	36"
12"	24"	24"	29"	21"			18"	24"	16"	41"

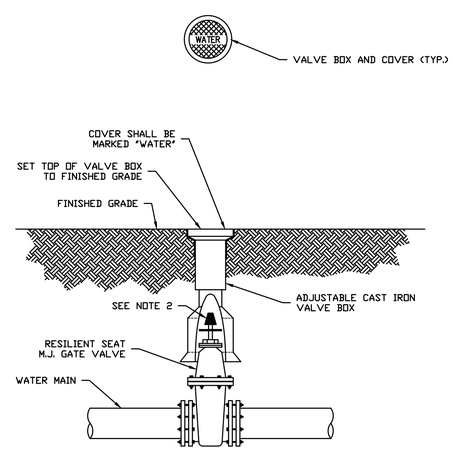
GENERAL NOTES:

1. THRUST BLOCK BEARING AREAS SHALL BE POURED AGAINST UNDISTURBED MATERIAL.
2. JOINTS SHALL NOT BE COVERED BY THRUST BLOCKS. FITTINGS SHALL BE PROVIDED BY VISQUEEN OR PLASTIC POLY SHEETING.
3. ALTERNATE DESIGNED RESTRAINING SYSTEMS SHALL BE PROVIDED WHERE THRUST BLOCKS ARE NOT SUITABLE.



MANHOLE COVER & RING

NOT TO SCALE

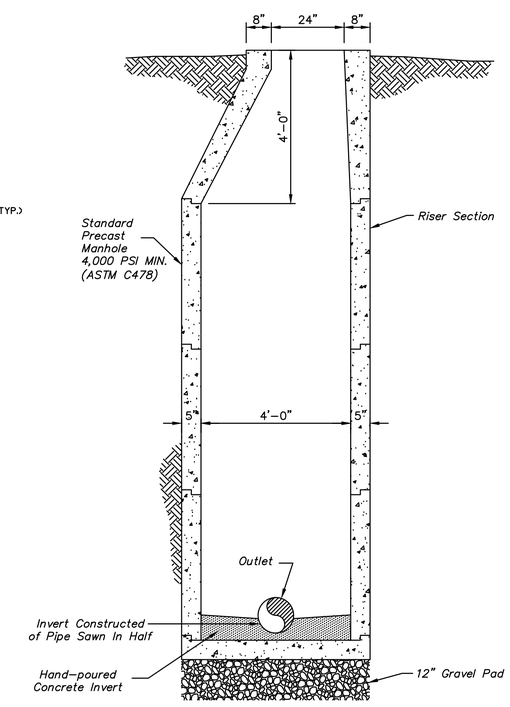


GATE VALVE - 12" & SMALLER

NOT TO SCALE

GENERAL NOTES:

1. GAVE VALVE SHALL BE OF THE RESILIENT SEAT TYPE.
2. PVC EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION.
3. THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO COME UP TO 4 FOOT DEPTH BELOW FINISHED GRADE.



STANDARD SEWER MANHOLE

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FORT WALTON BEACH FLORIDA

MARK COOPER SINER LICENSE No. 48831 STATE OF FLORIDA PROFESSIONAL ENGINEER

MARK C. SINER, P.E.
FLORIDA REG. NO. 48831

PROJECT NO. : 25034
SHEET TITLE:
WATER AND SANITARY DETAILS

SHEET NUMBER:
C106

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SPECIFICATION: CLEARING AND GRUBBING

All site Clearing and Grubbing shall be in accordance with section 110 of the "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein. This work shall be performed in the following areas:

A. All street rights-of-way.
B. All areas where excavation or embankment are to take place.
C. Detention areas.

In addition, certain other areas where underground utilities are to be installed are to be cleared and grubbed to the extent necessary to properly install the utilities. Such work shall be incidental to the contract unit price for the utility to be installed.

SCOPE: Site clearing work includes, but is not limited to:

A. Removal of trees and other vegetation.
B. Topsoil stripping.
C. Clearing and grubbing.
D. Removing above grade improvements.
E. Removing below grade improvements.

JOB CONDITIONS:

Traffic:
Conduct site clearing operations to ensure minimum interference with roads, streets, walks, and other adjacent occupied or used facilities. Do not close or obstruct streets, walks, or other occupied or used facilities without permission from the Owners and or Local approving authority.

Clearing and Protection in Construction Areas:
Preserve trees 6 inches or larger measured breast height (6"dbh) where possible within construction area.

Protection of Existing Improvements:
Provide protection necessary to prevent damage to existing improvements indicated to remain in place.

Protect improvements on adjoining properties and on project site.

Restore damaged improvements to original condition as acceptable to the Owner.

LIMITATIONS:
Clearing will be limited to the extent necessary to allow for construction of the proposed improvements as a result of:

Need for access to the project site for construction equipment.
Essential grade changes.
Surface water drainage and utility installation.
Location of driveways, buildings, and required parking.

CLEARING AND GRUBBING:
Remove trees, shrubs, grass, other vegetation, improvements, or obstructions interfering with the installation of new construction. Removal includes digging out stumps and roots. Do not remove items elsewhere on site or premises unless specifically indicated. Disposal of trees, limbs, stumps, and debris shall be the responsibility of the Contractor.

Strip topsoil to whatever depths encountered to prevent intermingling with underlying subsoil or other objectionable material. Cut heavy growths of grass from areas before stripping.

Stockpile topsoil in storage piles in areas shown or where directed by the Owner. Construct storage piles to freely drain surface water. Cover storage piles if required to prevent windblown dust.

Dispose of unsuitable or excess topsoil same as specified for waste material.

FILLING:
Fill depressions caused by clearing and grubbing operations with satisfactory soil material, unless further excavation or earthwork is indicated.

Place fill material in horizontal layers not exceeding 6" loose depth, and thoroughly compact to density equal to adjacent ground, unless otherwise shown on the plans.

REMOVAL OF IMPROVEMENTS:
Remove existing above and below grade improvements and abandoned underground piping or conduit necessary to permit construction and other work.

DISPOSAL OF WASTE MATERIALS:
No burning of any material, debris, or trash will be allowed.

Remove waste materials from project site on a daily basis and dispose of off-site in an approved area.

SPECIFICATION: EXCAVATION, EMBANKMENT AND SUBGRADE:

EXCAVATION, EMBANKMENT AND SUBGRADE: Shall be performed in accordance with Section 120 of the Florida D.O.T. Specifications. All subgrade fill material, and the top 12 inches in cut area, shall be compacted to 100 percent of maximum density as determined by AASHTO T-99. The Subgrade Compaction (Stabilization) shall conform to Section 160 of the Florida D.O.T. Specifications. In most cases this will consist of compacting existing cleaned soil. However, it is the contractor's responsibility to assure that the finished roadbed section meets bearing value requirements, regardless of the quantity of stabilizing materials to be added. One field density test shall be taken for each 5000 square feet or fraction thereof.

Where required subgrade density cannot be obtained, unsuitable material shall be removed so that the road base will be constructed on a minimum of 3 feet of suitable, properly compacted material. This work shall be included in the contract lump sum price for earth excavation.

SOIL CEMENT BASE: As a minimum the soil cement base course will conform generally to Section 270 of the Florida D.O.T. Specifications for Road and Bridge Construction. The detailed specifications of the soil cement base course are to be determined by an independent testing laboratory after testing of the material the contractor proposes to use. Moisture and cement content will be specified by the laboratory. However, as a guide for bid purposes, estimate 12% cement by weight and include a price reduction schedule if tests show less cement is required. The soil cement mix will be at optimum moisture content, i.e., neither mushy nor dry, but containing sufficient moisture to make a firm case when squeezed in the hand. Water should not appear on the hand when so squeezed. This requires 5 to 6 gallons per square yard but actual quantity of water to be added will depend on latent moisture in the base material. From a practical standpoint the highest moisture content should be maintained that permits packing and finishing without surface checking, shoving or rutting during compaction and finishing operations.

The freshly compacted and finished soil-cement mix must be adequately cured. An application of bituminous material such as RC-2, MC-3, RT-5 or asphaltic emulsion at the rate of 0.15 to 0.20 gal per square yard is preferred as the curing medium. Waterproof paper or moist hay is acceptable if properly maintained.

SAND-CLAY BASE COURSE: Shall comply with the requirements of Sections 240 and 912 of the Florida D.O.T. Specifications. Tests necessary to determine compliance with Section 912 shall be performed prior to placing the material on the roadbed. These tests include:

	Composition and gradation	Percent of material passing the 10-mesh sieve
1.	Clay (material smaller than 0.005mm)	8 to 21
	Silt (material from 0.005 to 0.005mm)	0 TO 10
	Combined clay and silt	8 to 25
2.	Limerock Bearing Ratio Value(LBR)	Of at least 75
3.	Liquid Limit	Not greater than 25
4.	Plasticity Index	Not greater than 6

The results of these tests shall be submitted to the engineer for approval. After approval of the material, the sand-clay base course shall be placed in accordance with Section 240. The base course shall be compacted to not less than 98 percent of the maximum density as determined by AASHTO T-180. One density test shall be taken for each 5000 square feet or fraction thereof.
NOTE: Sand Clay base material shall not be used in areas where the seasonal high groundwater table is within two (2) feet of the bottom of the base material.

LIMEROCK BASE COURSE: Shall be constructed in accordance with Section 200 of the Florida D.O.T. Specifications for Road and Bridge Construction. The material shall meet the requirements of Section 911 of the Specifications. Tests necessary to determine compliance with Section 911 shall be performed prior to placing the material on the subgrade. These tests include:

Test		Requirement
1.	Liquid Limit	Less than 35
2.	Plastic Index	Non-Plastic
3.	Gradation	97% passing 3.5 inch sieve
4.	Limerock Bearing Ratio	Not less than 100

The results of these tests shall be submitted to the engineer for approval. After approval of the material, the limerock base course shall be placed in accordance with Section 200. The base course shall be compacted to not less than 98 percent of the maximum density as determined by AASHTO T-180. A minimum of three density tests shall be made on each days compaction operations. More frequent tests shall be made as deemed necessary by the Engineer. The base shall be installed to a compacted thickness as shown on the plans, plus or minus one half inch. Deviations from this specification shall be corrected as indicated in the State Specifications.

CONTINUED ON NEXT COLUMN

GRADED AGGREGATE BASE COURSE: Shall comply with the requirements of Section 204 of the Florida D.O.T. Specifications. Tests necessary to determine compliance with Section 204 shall be performed prior to placing the material. These tests include:

1. Soundness Loss, Sodium, Sulfate: AASHTO T 104.
2. Percent Wear: AASHTO T 96 (Grading A).
3. Sieve Analysis.
4. Limerock Bearing Ratio Value.

The results of these tests shall be submitted to the engineer for approval. After the approval of the material, the graded aggregate base course shall be placed in accordance with Section 204. The base course shall be compacted to a density of not less than 100 percent of the maximum density as determined by AASHTO T 180. At least three density tests shall be made on each day's final compaction operation of each course, and the density determinations shall be made at more frequent intervals if deemed necessary by the Engineer.

ASPHALT BASE COURSE: Shall comply with the requirements of Sections 280, 330, 331 and 916 of the Florida D.O.T. Specifications. The design mix for Asphaltic Base Course Type 3 shall conform to the requirements in Tables 331-1 and 331-2. The Minimum Marshall stability shall be 1000 lbs./sq. in. as indicated in Table 331-2. Percent bitumen by weight of total mix: 5.0 (minimum). Two copies each of the actual design mix shall be submitted to the Engineer. Written approval of the Asphalt base course design mix must be obtained from the engineer prior to commencing base course construction. Once the design mix has been approved by the engineer, sieve analysis tolerances indicated in Table 331-5 are allowable during construction. If sieve analysis values fall outside these tolerances, design mix must be resubmitted for acceptance. After the approval of the mix design, the Asphalt base course shall be placed in accordance with Section 280 and compacted in accordance with Section 330-10.

NOTE: STORMWATER DRAINAGE SHALL BE CONTROLLED DURING ALL PHASES OF CONSTRUCTION.

SPECIFICATION: ASPHALT CONCRETE PAVING

SCOPE: This section includes materials and work required for installation of flexible asphaltic concrete pavement for parking and drive areas shown on the plans.

APPLICABLE PUBLICATIONS: The publications listed below form a part of this specification to the extent referenced. The publications shall be the most current issue and are referred to in the text by the basic designation only. The following are minimum requirements and shall govern except that all local, state, and/or federal codes and ordinances shall govern when their requirements are in excess hereof. All asphalt construction shall be in accordance with applicable sections of the "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein.

A. Florida Department of Transportation Specifications:

Section 901	Course Aggregate
Section 902	Fine Aggregate
Section 916	Bituminous Materials
Section 917	Mineral Filler
Section 300	Bituminous Treatments, Surface Courses and Concrete Pavement
Section 331	Type S Asphalt Concrete

B. American Society for Testing and Materials (ASTM) Publications:

D 1557	Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10 lb (4.54 kg) Rammer and 18-in. (457 mm) Drop.
D 1559	Marshall Stability Mix Design

SUBMITTALS:

A. Asphalt Design Mix:
1. Before any asphalt surface is constructed, submit two copies of each of the actual design mix to the Engineer and Owner.

2. Written approval of the asphaltic concrete design mix must be obtained from the Engineer and Owner prior to commencing asphalt pavement construction.

B. Material Certificates: Furnish copies of materials certificates signed by material producer and Contractor, certifying that each material item complies with, or exceeds specified requirements.

C. Asphalt extraction tests.

D. Aggregate gradation tests.

E. Marshall stability tests.

JOB CONDITIONS:

A. Weather limitations: Apply prime and tack coats when ambient temperature is above 40 degrees, and when temperature has not been below 35 degrees for 12 hours prior to application. Do not apply when base is wet or contains excess moisture.

MATERIALS:

A. Mineral Filler: Rock dust, hydraulic cement, or other inert material complying with section 917 of the Florida DOT Specifications.

B. Asphalt Cement: The bituminous material shall be AC-20, viscosity grade and comply with section 916 of the Florida DOT Specifications.

C. Course Aggregate: Comply with section 901 of the Florida DOT Specifications.

D. Fine Aggregate: Comply with section 902 of the Florida DOT Specifications.

E. Prime Coat and Tack Coat: The bituminous material for the Prime Coat shall be MC-70. The bituminous material for the Tack Coat shall be AC-20, or Emulsified asphalt, grade RS-2 and comply with the requirements in Section 300 and 916 of the Florida DOT Specifications.

F. Asphaltic Concrete Design Mixes:

1. Asphalt shall conform to the requirements for Type S Asphalt as indicated in Section 331 of the Florida DOT Specifications.

2. Mix shall be within sieve analysis and bitumen range given in Section 331 of the Florida DOT Specifications.

3. Minimum Marshall stability shall be in 1500 lbs./sq. in. as indicated in Table 331-2 of the Florida DOT Specifications.

4. Percent bitumen by weight of total weight mix: 5.0 – 8.5.

5. Once design mix has been accepted by Engineer and Owner, sieve analysis tolerances indicated in Table 331-5 are allowable during construction. If sieve analysis analysis values fall outside these tolerances, design mix must be resubmitted for acceptance.

6. Provide asphalt-aggregate mixture as recommended by local or state paving authorities to suit project conditions. Use locally available materials and graduations which meet Florida DOT Specifications and exhibit satisfactory record on previous installations.

BASE COURSE PREPARATION:

A. Prior to construction of the base course, the top 12 inches of subgrade shall be compacted to a minimum soil density of 98% of the Modified Proctor Test Density (ASTM 1557). The subgrade shall be sterilized by a borate or chlorate sterilant containing not less than 25% sodium chlorate and shall be mixed thoroughly with water at the rate of 1-1/2 lbs. of sterilant per gallon of water. The sterilant shall be applied evenly at the rate of 0.2 gallons per square yard to subgrades that are less than 12" below original grades. If perpared base course will not be immediately covered with asphalt on the same day and wind-blown seeds will contaminate the base course surface, the sterilants shall be applied to the base course contaminate the base course.

B. Remove loose material from compacted base material surface immediately before applying prime coat.

C. Proof roll prepared base material surface to ensure unstable areas have been corrected and are ready to receive paving.

CONTINUED ON NEXT COLUMN

D. Prime Coat:

1. Apply bituminous prime coat to base material surfaces where asphaltic concrete paving will be constructed.

2. Apply bituminous prime coat in accordance with Section 300 of Florida DOT Specifications.

3. Apply at minimum rate of not less than 0.15 gal./sq. yd. over compacted base material. Apply material to penetrate and seal, but not flood, surface.

4. Cure and dry as long as necessary to attain penetration and evaporation of volatile.

E. Tack Coat:

1. Tack coat shall be applied in accordance with Section 300 of Florida DOT Specifications. Apply to contact surfaces of previously constructed asphalt or portland cement and concrete and surfaces abutting or projecting into asphalt concrete pavement.

2. Apply tack coat to full depth asphalt base course and sand asphalt base course. Apply emulsified asphalt tack coat between each lift or layer of full depth asphalt and sand asphalt bases and on surface of such bases where asphaltic concrete paving will be constructed.

3. Distribute at rate of 0.08 gal./sq. yd. of surface.

4. Allow to dry until at proper condition to receive paving.

PLACING ASPHALT MIX:

A. Place asphalt concrete mixture on prepared surface, spread, and strike off. Spread mixture at the following minimum temperatures:

1. When ambient temperature is between 40 degrees F and 50 degrees F: 285 degrees F.

2. When ambient temperature is between 50 degrees F and 60 degrees F: 280 degrees F.

3. When ambient temperature is higher than 60 degrees F: 275 degrees F.

B. Place inaccessible and small areas by hand. Place each course to required grade, cross-section, and compacted thickness.

C. Paver Placing:

1. Place in strips not less than 10'-0" wide, unless otherwise acceptable to the Contracting Officer.

2. After first strip has been placed and rolled, place succeeding strips and extend rolling to overlap previous strips.

D. Joints:

1. Construct joints between old and new pavements as detailed in the plans.

2. Joints between successive days' work shall be constructed to ensure continuous bond between adjoining work.

3. Construct joints to have same texture, density, and smoothness as other sections of asphalt concrete course.

4. Clean contact surfaces and apply tack coat.

COMPACTION:

A. Each lift of asphalt shall be compacted to a minimum of 98% of the Marshall test ASTM D1559).

B. Begin rolling when mixture will bear roller weight without excessive displacement.

C. Compact mixture with hot hand tampers or vibrating plate compactors in areas inaccessible to rollers.

D. Breakdown Rolling:

1. Accomplish breakdown or initial rolling immediately following rolling of joints and outside edge.

2. Check surface after breakdown rolling, and repair displaced areas by loosening and filling, if required, with hot material.

E. Second Rolling:

1. Follow breakdown rolling as soon as possible, while mixture is hot.

2. Continue second rolling until mixture has been thoroughly compacted.

F. Finish Rolling:

1. Perform finish rolling while mixture is still warm enough for removal of roller marks.

2. Continue rolling until roller marks are eliminated and course has attained maximum density.

G. Patching:

1. Remove and replace paving areas mixed with foreign materials and defective areas.

2. Cut out such areas and fill with fresh, hot asphalt concrete.

3. Compact by rolling to maximum surface density and smoothness.

H. Protection:

1. After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.

I. Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked.

FIELD QUALITY CONTROL:

A. An Independent Testing Laboratory, selected and paid by the contractor shall be retained to perform construction testing of in-place asphalt courses for Asphalt Extraction, Aggregate gradation, Marshall Stability, thickness and surface smoothness.

B. Thickness: In-place compacted thickness shall not be less than thickness specified on the drawings.

C. Surface Smoothness: Testing shall be performed on the finished surface of each asphalt concrete course for smoothness, using 10'-0" straightedge applied parallel with, and at right angles to centerline of paved area. The variation of the surface from the edge of the straight edge between any two contact points shall not exceed 1/4". Check surface areas at intervals necessary to eliminate ponding areas. Repair or remove and replace unacceptable paving as directed by the Contracting Officer.

D. Asphalt content, Aggregate gradation, and Marshall Stability shall be as specified in Section 331 of the Florida DOT Specifications.

SPECIFICATION: PORTLAND CEMENT CONCRETE PAVING

SCOPE: This section includes sidewalks, curbs, and miscellaneous concrete pavement.

APPLICABLE PUBLICATIONS: The publications listed below form a part of this specification to the extent referenced. The publications shall be the most current issue and are referred to in the text by the basic designation only. The following are minimum requirements and shall govern except that all local, state, and/or federal codes and ordinances shall govern when their requirements are in excess hereof. All concrete construction shall be in accordance with applicable sections of the "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein.

CONTINUED ON NEXT COLUMN

A. Florida Department of Transportation Specifications:

Section 345	Portland Cement Concrete
Section 350	Cement Concrete Pavement
Section 520	Concrete Gutter, Curb Elements and Traffic Separator
Section 931	Metal Accessory Materials for Concrete Pavement and Concrete Structures

B. American Society for Testing and Materials (ASTM) Publications:

A 615	Deformed and Plain Billet Steel Bars for Concrete Reinforcement
D 1557	Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10-lb. (4.54 kg) Rammer and 18-in. (457 mm) Drop.
D 1751	Preformed Expansion Joint Filler for Concrete Paving and Structural Construction. (Nonextruding and Resilient Bituminous Types)

SUBMITTALS:

A. Material Certifications: Furnish copies of materials certificates signed by material producer and Contractor, certifying that each material item complies with, or exceeds, specified requirements.

MATERIALS:

A. Forms:

1. Steel, wood, or other suitable material of size and strength to retain horizontal and vertical alignment until removal. Use straight forms, free of distortion and defects.

2. Use flexible spring steel forms or laminated boards to form radius bends as required.

B. Form Release Agent:

1. Coat forms with nonstaining type coating that will not discolor or deface surface of concrete.

C. Welded Wire Mesh:

1. Welded plain cold-drawn steel wire fabric. Furnish in flat sheets, not rolls, unless otherwise acceptable to Contracting Officer. Welded wire mesh shall be free from rust, dirt, foreign matter and shall not be stored directly on the ground. Wire fabric shall comply with Sections 931 of the Florida DOT Specifications.

D. Reinforcing Bars:

1. Deformed steel bars, ASTM A 615, Grade 40. Reinforcing bars shall be free from rust, dirt, foreign matter and shall not be stored directly on the ground. Deformed steel bars shall comply with Section 931 of the Florida DOT Specifications.

E. Concrete Materials:

1. Comply with requirements of Sections 345 and 350 of the Florida DOT Specifications for concrete materials, admixture, bonding materials, curing materials, and others as required.

F. Joint Fillers:

1. Resilient premolded bituminous impregnated fiberboard units complying with ASTM D1751. Joint fillers shall comply with Section 932 of the Florida DOT Specifications.

MIXING:

A. Design mix to produce normal weight concrete consisting of Portland cement, aggregate, water-reducing or high-range water reducing admixture (super-plasticizer), air-entraining admixture and water to produce following properties:

1. Compressive Strength: Minimum 3,000 psi for curb and walkways and 4,000 psi for pavement, at 28 days. In addition, concrete for pavement shall have a minimum modulus of rupture of 600 psi.

2. Slump Range: 3"-5".

3. Air Content: 3% to 6%.

PREPARATION:

A. Surface Preparation:

1. Remove loose material from compacted base material surface immediately before placing concrete.

B. Compact the top 12 inches of subgrade to a minimum soil density of 98% for the Modified Proctor Test (ASTM D1557) to result in a minimum modulus of subgrade reaction (k) of 150 psi/in. Proof-roll prepared base material surface to check for unstable areas. The paving work shall begin after the unsuitable areas have been corrected and are ready to receive paving. Compaction testing for the base material shall be completed prior to the placement of the paving.

CONCRETE INSTALLATION:

A. Form Construction:

1. Set forms to required grades and lines, rigidly braced and secured. Install sufficient quantity of forms to allow continuous progress of work and so that forms can remain in place at least 24 hours after concrete placement.

2. Check completed formwork for grade and alignment to following tolerances:

A. Top of forms not more than 1/8" in 10'-0".

B. Vertical face on longitudinal axis, not more than 1/4" in 10'-0".

3. Clean forms after each use, and coat with form release agent as often as required to ensure separation from concrete without damage.

B. Reinforcement:

1. Locate, place, and support reinforcement to ensure compliance with plans.

C. Concrete Placement:

1. Comply with requirements of Sections 345, 350, and 520 of Florida DOT Specifications for mixing and placing concrete.

2. Do not place concrete until base material and forms have been checked for line and grade. Moisten base material if required to provide uniform dampened condition at time concrete is placed. Concrete shall not be placed around manholes or other structures until they are at the required finish elevation and alignment.

3. Place concrete using methods, which prevent segregation of mix. Consolidate concrete along face of forms and adjacent to transverse joints with internal vibrator. Keep vibrator away from joint assemblies, reinforcement, or side forms. Consolidate with care to prevent dislocation of reinforcing, dowels, and joint devices.

4. Deposit and spread concrete in continuous operation between transverse joints, as far as possible. If interrupted for more than 1/2 hour place construction joint.

D. Curbs and Gutters:

1. Automatic machine may be used for curb and gutter placement at Contractor's option. Machine placement must produce curbs and gutters to required cross section, lines, grades, finish, and jointing as specified for formed concrete. If results are not acceptable, remove and replace with formed concrete as specified.

CONTINUED ON NEXT SHEET

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PROJECT ISSUES:

CONCEPT SKETCHES	2025-05-05
SCHEMATIC DESIGN	2026-04-10
REVISED PLAN	2026-05-18
DESIGN DEVELOPMENT	2026-06-26
CONSTRUCTION DOCUMENTS	2026-09-15

PROJECT TEAM:

CIVIL ENGINEER
LJA ENGINEERING
ARCHITECTURAL
B&A ARCHITECTURAL GROUP
INTERIOR DESIGNER
B&A ARCHITECTURAL GROUP
STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

MARK COOPER SINER LICENSE No. 48831 STATE OF FLORIDA PROFESSIONAL ENGINEER

MARK C. SINER, P.E.
FLORIDA REG. NO. 48831

PROJECT NO. : 25034
SHEET TITLE:
SPECIFICATIONS (1 OF 2)

SHEET NUMBER:
C107

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DO NOT SCALE DRAWINGS

JOINT CONSTRUCTION:

A. Construct expansion, weakened–plane (Contraction), and construction joints true–to–line with face perpendicular to surface of concrete. Construct transverse joints at right angles to centerline, unless otherwise indicated.

1. Weakened–Plane (Contraction) Joints:

A. Provide weakened–plane (contraction) joints, sectioning concrete into areas at 15'–0" o.c. maximum each way.

B. Sidewalks shall have contraction joints at 5'–0" o.c.

C. Construct weakened–plane joints for depth equal to at least 1/4 concrete thickness.

2. Tooled Joints:

A. Form weakened–plane joints in fresh concrete by grooving top portion with recommended cutting tool and finishing edges with jointer.

B. Construction Joints:

1. Plan concrete placement such that construction joints fall at expansion joints as detailed in the plans.

C. Expansion Joints:

1. Provide premolded joint filler for expansion joints abutting concrete curbs, catch basins, manholes, inlets, structures, walks, and other fixed objects.

2. Locate expansion joints at 40'–0" o.c. maximum for each pavement lane or for curb.

3. Locate expansion joints at 50'–0" o.c. maximum for walkways.

D. Joint Fillers:

1. Extend joint fillers full–width and depth of joint, and not less than 1/2" or more than 1" below finished surface where joint sealer is indicated.

2. Furnish joint filler in one–piece lengths for full width being placed, wherever possible. where more than one length is required, lace or clip joint filler sections together.

E. Joint Sealants:

1. Exterior pavement joint sealants shall be composed of a non–priming, pourable, self–leveling type polyurethane sealant, such as grey shep–calk, or approved equal suitable for use in pavements and sidewalks.

CONCRETE FINISHING:

A. After striking–off and consolidating concrete, smooth surface by screeding and floating. Adjust floating to compact surface and produce uniform texture.

B. After floating, test surface for trueness with 10'–0" straightedge (maximum deviation of 1/4 inch). Distribute concrete as required to remove surface irregularities, and refloat repaired areas to provide continuous smooth finish.

C. Work edges of slabs, gutters, back top edge of curb, and formed joints with an edging tool, and round to 1/2" radius. Eliminate tool marks on concrete surface.

D. After completion of floating and troweling when excess moisture or surface sheen has disappeared, complete surface finishing as follows:

1. Curbs, Gutters, and Walks:

A. Broom finish by drawing fine–hair broom across concrete surface perpendicular to line of traffic. Repeat operation if required to provide fine line texture.

2. Inclined Slab Surfaces:

A. Provide coarse, nonslip finish by scoring surface with stiff–bristled broom perpendicular to line of traffic.

3. Paving:

A. Burlap finish by dragging seamless strip of damp burlap across concrete perpendicular to line of traffic. Repeat operation to provide gritty texture.

E. Do not remove forms for 24 hours after concrete has been placed. After form removal, clean ends of joints and point up any minor honeycombed areas. Remove and replace areas or section with major defects, as directed.

F. Protect and cure finished concrete paving in accordance with "Florida Department of Transportation Specifications for Road and Bridge Construction" section 350–13.

CLEANING AND ADJUSTING:

A. Repair or replace broken or defective concrete as directed.

B. Protect concrete from damage until acceptance of work. Exclude traffic from pavement for at least 14 days after placement. When construction traffic is permitted, maintain pavement as clean as possible by removing surface stains and spillage of materials.

C. Sweep concrete pavement and wash free of stains, discolorations, dirt, and other foreign material just prior to final inspection.

SPECIFICATION: FENCING

The Contractor shall install fencing as shown on the plans and in accordance with the manufacturer's brochure. The following are minimum requirements and shall govern except that all local, state and/or federal codes and ordinances shall govern when their requirements are in excess hereof.

MATERIAL CERTIFICATES:
Furnish copies of materials certificates signed by material producer and Contractor, certifying that each material item complies with, or exceeds, specified requirements.

MATERIALS:
All materials and equipment incorporated in the work shall be new, clean, and free of visual defects unless otherwise specified, and that all work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All work not conforming to these requirements may be considered defective.

Height shall be as required as shown on the construction plans.

Fabric shall be #9 gauge, chain link open hearth steel wire, hot–dipped galvanized after weaving with minimum coating of 2.0 ounce of zinc per square foot or aluminum coating with .40 ounces per square foot, woven in 2" diamond mesh.

Line post, top, intermediate and bottom rails, shall be 1 5/8" O.D. steel pipe, weight 2.27 lbs per foot, hot–dipped galvanized. Set 36" deep in concrete.

Terminal, corner, gate and pull posts shall be 3" O.D. pipe, 5.79 lbs. Set 36" deep in concrete.

Concrete for setting posts shall be Portland Cement complying with ASTM C–150, aggregates complying with ASTM C–33, and clean water. Mix materials to obtain concrete with a minimum 28–day compressive strength of 2,500 psi.

Stretcher bar bands, tie wires, hog rings, couplings, nuts, stretcher bars, bolts, and miscellaneous fastening devices shall be manufacturer's standard for heavy construction fence.

Swing gates shall consist of the following components.

2" O.D. steel pipe 2.72 lbs. per foot, hot–dipped galvanized. Each frame to be equipped with 3/8" diameter adjustable truss rods.

Hinges shall be hot–dipped galvanized pressed steel or malleable iron to suit gate size, non–lift–off type. Hinges shall be offset to permit 180 degrees opening. Provide one (1) pair of hinges per lead.

Latch shall be forked type to permit operation from either side with provisions to lock both leaves with padlock.

ACCEPTABLE MANUFACTURERS: Cyclone Fence, Page Fence, and Hackney Corporation.

CONTINUED ON NEXT COLUMN

SPECIFICATION: TRAFFIC STRIPING AND PAINTING

The Contractor shall paint traffic striping as shown on the plans. The following are minimum requirements and shall govern except that all local, state and/or federal codes and ordinances shall govern when their requirements are in excess hereof. All traffic striping and painting shall be in accordance with sections 710, 711 and 971 of the "Florida Department of Transportation Specifications for Road and Bridge Construction" and "Florida Department of Transportation Roadway and Traffic Design Standards.

MATERIAL CERTIFICATES:
Furnish copies of materials certificates signed by material producer and Contractor, certifying that each material item complies with, or exceeds, specified requirements.

TRAFFIC STRIPING AND PAINTING:
Traffic control markings shall be marked on pavement as indicated on drawings.

Paint shall be in sealed containers that plainly show the designated name, formula or specification number, batch number, color, date of manufacture, manufacturer's name, formulation number, and directions, all of which shall be plainly legible at the time of use. The paint shall be homogeneous, easily stirred to smooth consistency, and shall show no hard settlement or other objectionable characteristics during a storage period of six months.

All machines, tools, and equipment used in performance of the work shall be approved and maintained in satisfactory operating condition. Hand–operated push–type machines of a type commonly used for application of paint to pavement surfaces shall be acceptable for marking small street and parking areas. Applicator machines shall be equipped with necessary paint tanks and spraying nozzles, and shall be capable of applying paint uniformly at the coverage specified. Sandblasting equipment shall be provided as required for cleaning surfaces to be painted. Hand–operated spray guns shall be provided for use in areas where push–type machines cannot be used.

New pavement surfaces shall be allowed to cure for a period of not less than thirty days before application of marking materials. All surfaces to be marked shall be thoroughly cleaned before application of the paint. Dust, dirt, and other granular surface deposits shall be removed by sweeping, blowing with methods as required. Rubber deposits, surface laitance, existing paint markings and other coatings adhering to the pavement shall be completely removed with scrapers, wire brushes, sandblasting, approved chemicals, or mechanical abrasion as direction.

Paint shall be applied evenly to the pavement surface to be coated at a rate of 105 plus or minus 5 square feet per gallon. Paint shall be applied as shown on the drawings.

Paint shall be applied to clean, dry surfaces, and unless otherwise approved, only when air and pavement temperatures are above 40 degrees F and less than 95 degrees F. Paint temperature shall be maintained within these same limits. Paint shall be applied pneumatically with approved equipment at rate of coverage specified herein. The Contractor shall provide guidelines and templates as necessary to control paint application. Special precautions shall be taken in marking numbers, letters, and symbols. All edges of marking shall be sharply outlined. The maximum drying time requirements of the paint specifications will be strictly enforced, to prevent undue softening bitumen, and pickup, displacement, or discoloration by tires of traffic. If there is a deficiency in drying of the markings, painting operations shall be discontinued until cause of the slow drying is determined and corrected.

Suitable warning signs shall be placed near the beginning of the worksite and well ahead of the worksite for alerting approaching traffic from both directions. Small markers shall be placed along newly painted lines to control traffic and prevent damage to newly painted surfaces. Painting equipment shall be marked with large warning signs indication that slow moving painting equipment is in operation.

Markings which must be visible at night shall be reflectorized unless ambient illumination assures adequate visibility.

SPECIFICATION: WATER DISTRIBUTION SYSTEM

The Contractor shall provide and install all materials for a potable water distribution system as shown on the drawings and in this specification. In addition, he shall obtain all permits and conduct all tests required by local, state and federal authorities and as specified on these drawings.

MATERIALS:
All materials and equipment incorporated in the Work shall be new, clean, and free of visual defects unless otherwise specified, and that all Work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All Work not conforming to these requirements may be considered defective.

Piping:

Less than 4" inches in diameter:	
Polyvinyl Chloride (PVC) 160 psi, SDR 26	ASTM D–2241
Polyethylene pipe 160 psi, SDR 9	ASTM D–3350 & ASTM D–2239
Polyethylene tubing 200 psi, SDR 9	ASTM D–3350 & ASTM D–2737
Greater than 4" inches in diameter:	
Polyvinyl Chloride (PVC) 150 psi	AWWA C–900 (DR 18)
Ductile Iron (Class 50)	ANSI A21.51

Joints:
Joints for PVC pipes:
Joints shall comply with ASTM D–3139
No solvent cements or toxic lubricant will be allowed.
Expansion capability will be provided.

Joints for Ductile Iron pipes:
Joints shall comply with AWWA C–153 or AWWA C–110

Gate Valves:
Valves shall comply with AWWA C–509
200 psi iron body, bronze mounted, Non–rising stems with square operating nuts and a suitable valve box.

INSTALLATION:
Shall comply with all local, state and federal regulations. The Contractor shall provide proper facilities for handling and laying pipe and accessories. No pipe will be laid in unsuitable weather or in water. The Contractor will verify all field dimensions with the design Engineer (including Field Stake–Out) prior to commencing work. The contractor shall notify the Engineer at least 24 hours prior to installing any portion of the water main distribution system. He shall also stake all service connections and provide as–built dimensions to the Engineer. Connections to the existing system shall be coordinated with the utility company. Minimal service interruption shall occur and traffic safeguards shall be taken.

The Contractor shall conduct hydrostatic pressure and leakage tests as follows:
Apply 150 psi or 150% of the working pressure whichever is greater to the test line. Duration of the pressure test shall be at least two (2) hours. After 1/2 hour, check pressure, if pressure has dropped, inspect for leaks and correct as required. Repeat tests until there are no leaks or pressure loss. Pressure must hold for two hours.

NOTE: The contractor shall notify the utility company and the Engineer at least 48 hours prior to conducting pressure and leakage tests. A 3/4" hose bibb connection will be required for guage connection.

The Contractor shall sterilize the lines by chlorinating at 40 to 50 ppm, injecting at a corporation stop and operating all valves and accessories. Flush system. Subsequent tests on replacement water shall show a chemical and bacterial count equal to the supply main. Samples shall be taken by and tested at the expense of the Contractor, and results shall be acceptable to local, state and federal agencies of interest.

NOTES:
All water piping and fittings used shall be National Sanitation Foundation (N.S.F). approved for potable water.

A minimum separation of 10 ft. horizontal, outside to outside and 18 inches vertical is required between all water lines and the sanitary sewer system.

When trench excavation depth exceeds five feet, the Contractor shall provide trench protection (shields, sloping, shoring, etc.) and shall comply with OSHA Standard 29 CFR, Section 1926.650 Subpart P.

In accordance with rules of the Florida Department of Environmental Protection (DEP), Chapter 62–555, the Engineer of record will be responsible for observation of construction of the Potable Water System. The Engineer SHALL be notified at commencement and completion of construction. To assure compliance with plans and specifications, said Engineer will report to DEP upon completion of construction and cleaning and disinfecting described above before the system can be placed in service.

All PVC potable water lines and services will be marked with No. 14 copper insulated tracer wire to enable location with a Ferrous Metal Detector. The tracer wire will be placed 12 inches above and throughout the length of all such pipe.

CONTINUED ON NEXT COLUMN

FIRE HYDRANTS:
All fire hydrants shall be 6 inch, three way hydrants with two 2–1/2 inch hose nozzles and one 4–1/2 inch pumper nozzle, designed for 150 lbs working pressure or 300 lbs hydrostatic pressure and shall conform to the latest specifications of the AWWA. All working parts shall be bronze. All hose threads shall be National Standard Threads. Hydrants shall have a mechanical joint end inlet. Hydrants shall be Traffic Breakaway Model. The hydrant main valve shall be a compression type that closes with the water pressure. Hydrants shall have not less than a 5–1/4 inch valve opening. All hydrants shall be equipped with automatic self–oiling reservoirs that lubricate the stem threads and all bearing surfaces each time the hydrant is operated. Hydrants shall be painted one coat of red iron oxide, zinc oxide primer conforming to Steel Structures Painting Council SSPC–paint 25 and two finish coats of silicone alkyd paint conforming to Steel Structures Painting Council SSPC–paint 21. Fire hydrants shall be painted in accordance with NFPA 291, Recommended Practice For Fire Flow Testing and Marking of Hydrants.

SPECIFICATION: SANITARY SEWER SYSTEM

The Contractor shall provide and install all gravity sewer material shown on the drawings and in this specification. In addition, he shall obtain all permits and conduct all tests required by local, state and federal authorities and as specified on these drawings.

MATERIALS:
All materials and equipment incorporated in the Work shall be new, clean, and free of visual defects unless otherwise specified, and that all Work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All Work not conforming to these requirements may be considered defective.

Piping:	PVC Gravity Sewer	ASTM D–3034, SDR–35
	Ductile Iron Pipe (D.I.P.)	ANSI A21.51
	PVC Force Mains (160 psi)	ASTM D–1784 and D 2241
Joints:	PVC, Rubber Ring	ASTM D–1869
	D.I.P. Joints, Rubber Gasket	ANSI A21.11

NOTE: ALL JOINTS TO BE BELL AND SPIGOT TYPE.

Concrete: Poured or Pre–cast 4000 psi at 28 days;

INSTALLATION:
Shall comply with all local, state and federal regulations. The Contractor shall provide proper facilities for handling and laying pipe and accessories. Trenches shall be properly prepared; pipe shall be supported over its full length and bell holes hand dug as required. No pipe will be laid in unsuitable weather or in water. The Contractor will verify all field dimensions and report all discrepancies (including field stake–out) prior to commencing work. The contractor shall notify the Engineer at least 24 hours prior to installing any portion of the sanitary sewer system. He shall also stake all service connections and provide as–built dimensions to the Engineer. Manholes, cleanouts and the like shall be located, built and sized as shown on these drawings. Connections with existing sewer systems shall be coordinated by the Contractor with the utility company.

A minimum separation of 10 ft. horizontal measured outside to outside and 18 inches vertical is required between sanitary sewer lines and all water lines.

When trench excavation depth exceeds five feet, the Contractor shall provide trench protection (shields, sloping, shoring, etc.) and shall comply with OSHA Standard 29 CFR, Section 1926.650 Subpart P.

In accordance with rules of the Florida Department of Environmental Protection (DEP), Chapter 62–604, the Engineer of record will be responsible for observation of construction of the Sanitary Sewer System. The Engineer SHALL be notified at commencement and completion of construction. To assure compliance with plans and specifications, said Engineer will report to DEP upon completion of construction before the system can be placed in service.

The Contractor shall coordinate all tests with the utility company and the Engineer. All lines, fittings and manholes shall be clean and dry before conducting tests. Tests and subsequent corrections shall be at the expense of the Contractor.

GRAVITY SEWERS:
Leakage tests by exfiltration and/or infiltration will be made on all pipe. The Engineer shall have the option determining which test shall be employed. Generally, if the groundwater table is below the bottom of the pipe, an exfiltration test shall be used. Duration of test shall be not less than two (2) hours. Visible leaks encountered shall be corrected regardless of leakage test results. Leakage as measured by either the infiltration or exfiltration test shall not exceed 0.157 gallons per inch diameter per 100 feet of pipe per hour. When leakage exceeds the maximum amount specified, satisfactory correction shall be made and retesting accomplished.

Deflection testing shall be done on all flexible pipe at the direction of the Engineer. Testing shall be done using a mandrel having a diameter equal to 95 percent of the inside diameter of the pipe. When a deflection device is used in lieu of the mandrel, such device shall be approved by the Engineer prior to use. No pipe deflection shall exceed 5 percent.

FORCE MAINS:
The Contractor shall conduct hydrostatic pressure and leakage tests as follows:

Apply 100 psi or 150% of the working pressure, whichever is greater, to the test line. Duration of the pressure test shall be at least two (2) hours. After 1/2 hour, check pressure, if pressure has dropped, inspect for leaks and correct as required. Repeat tests until there are no leaks or pressure loss. Pressure must hold for two hours.

NOTE: The contractor shall notify the utility company and the Engineer at least 24 hours prior to conducting pressure and leakage tests.

Force mains shall have thrust blocks designed for 100 PSI test pressure. Force Mains shall be colored other than white to distinguish from water lines. Force Mains in the right–of–way shall have 30 inches (minimum) cover over the crown.

All sanitary sewer force mains will be marked with No. 14 copper insulated tracer wire to enable location with a Ferrous Metal Detector. The tracer wire will be placed 12 inches above and throughout the length of all such pipe.

MANHOLES:
Shape: All manholes will be eccentric or as specified on the drawings.

Setting Manhole Castings: The frame of the casting shall be set in a full mortar bed composed of one part Portland Cement to two parts of fine aggregate.

Concrete: The minimum compressive strength required at twenty–eight days is 4,000 pounds per square inch. The minimum amount of water shall be used to produce a workable mix and shall not exceed six (6) U.S. Gallons per sack of cement. Concrete shall conform to ASTM Specification ASTM C–94.

Pre–cast Reinforced Concrete Manhole Sections: Pre–cast reinforced concrete manhole sections shall conform to ASTM Specification C–478. All joints for pre–cast sections shall be approved by the Engineer.

Castings: Cast iron frames and covers shall conform to the drawings in all essentials of design. All castings shall be made of clean, even grain, tough gray cast iron. The quality of iron in the castings shall conform to the current ASTM Specification A–48 for Class 20 Gray Iron Castings. The weight of castings shall be as shown in the plans. Castings shall be smooth, true to pattern, and free from projections, sand holes, or defects. A raised word "SEWER" shall be cast on the upper non–skid surface of all manhole covers. The portion of the frame and cover which forms the cover seat shall be machined so that no rocking of the cover is possible. The castings shall be coated with coal tar pitch varnish. On roadways the frame and cover shall be set flush with and in the plane of the surface. In other locations they shall be set to grades determined by the Engineer. A shop drawing of the manhole frame and cover must be approved by the Engineer for all covers and frames furnished on the project.

Water–Proofing: Both concrete and pre–cast sections below grade shall be painted on the outside with either two coats of bitumastic paint or a heavy layer of emulsified asphalt to water–proof completely. Manholes shall be inspected for water tightness prior to being placed in service. All incoming and outcoming sewer lines shall be plugged and the manhole filled with water to a level to create a minimum positive head of two feet or above the highest section joint. If the water level drop exceeds 1/8" per vertical foot of manhole depth in 5 minutes, the manhole shall have failed the test.

GENERAL:
Grout all riser joints and entry pipes.
Provide neat cement seals for pre–cast units.
Minimum radius allowed is 20 inches.
Invert grouting shall be uniform and smooth–sloped to center line of pipe.

NOTE: Roof drains, foundation drains and all other clean water connections to the sanitary sewer system are prohibited.

CONTINUED ON NEXT COLUMN

SPECIFICATION: STORM SEWER SYSTEM

The Contractor shall provide and install all storm sewer material shown on the drawings and in this specification. In addition, he shall obtain all permits and conduct all tests required by local, state and federal authorities and as specified on these drawings.

MATERIALS:
All materials and equipment incorporated in the Work shall be new, clean, and free of visual defects unless otherwise specified, and that all Work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All Work not conforming to these requirements may be considered defective.

Corrugated Polyethylene Pipe:
Shall comply with section 948 of the latest edition "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein. Pipes 12 inches to 24 inches in diameter shall comply with ASTM F–405 and ASTM F–667. Joints shall be by means of dimpled band. If used outside of dry wells, joints shall be wrapped in filtercloth 2 feet in width and with 2 feet of overlap on the diameter. This pipe, in the perforated form, shall be used inside dry wells. It may be used outside dry wells only when used with a filter sock. Perforations shall be 1/4 inch diameter and spaced 10 inches on center in the valley of the corrugations.

Polyvinyl–Chloride Pipe:
Shall comply with section 948 of the latest edition "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein. Polyvinyl–Chloride Pipe shall meet the requirements of ASTM D 3034, SDR–35, or ASTM F 949, profile wall without perforations. Polyvinyl–Chloride Pipe for use as underdrain shall conform to the requirements of ASTM F 758 or ASTM F 949. Also, PVC underdrain manufactured from PVC pipe meeting ASTM D 3033 or ASTM D 3034, perforated in accordance with the perforation requirements given in AASHTO M 36, or AASHTO M 196 will be permitted.

Reinforced Concrete Pipe:
Shall comply with requirements of ASTM C 76, Class III, unless otherwise indicated on the Drawings, and shall be installed with rubber gasketed joints complying with ASTM C 443. Install rubber gaskets in strict accordance with pipe manufacturer's recommendations.

Manholes:
Precast reinforced concrete manhole sections shall conform to ASTM Specification C–478. Construct manholes of precast concrete sections as required by Drawings to size, shape, and depth indicated, but never less than 4'–0" inside diameter. All joints for precast sections shall be approved by the engineer.

Inlets/Catch Basins:
Precast reinforced concrete Inlets/Catch Basins sections shall conform to ASTM Specification C–478. Construct Inlets/Catch Basins of precast concrete construction as required by Drawings to size, shape, and depth indicated.

Main and Lateral Pipes:
Neatly cut off main and lateral pipes flush with inside of manhole or inlet where they enter structure walls. Dress all irregularities and rough edges with non–shrinking grout (inside and outside).

Where pipes enter or exit manholes, a "Kor–N–Seal" molded neoprene boot with stainless steel internal and external bands as manufactured by the National Pollution Control Systems, Inc., Nashua, New Hampshire, or a polyurethane joint with a short transition joint as manufactured by Moorform Corporation, Centralia, Illinois, or an approved equal (or superior) connection shall be provided.

Cast Iron Frames, covers, and Grates:
After completion of manhole inlet, set cast iron frame in full mortar bed after adjusting to required elevation. Cast iron frames and covers shall conform to the drawings in all essentials of design. All castings shall be made of clean, even grain, tough gray cast iron. The quality of iron in the castings shall conform to the current ASTM Specification A–48 for Class 20 Gray Iron Castings. The weight of castings shall be as shown in the plans. Castings shall be smooth, true to pattern, and free from projections, sand holes, or defects. A raised word "STORM SEWER" shall be cast on the upper non–skid surface of all manhole covers. The portion of the frame and cover which forms the cover seat shall be machined so that no rocking of the cover is possible. The castings shall be coated with coal tar pitch varnish. On roadways the frame and cover shall be set flush with and in the plane of the surface. In other locations they shall be set to grades determined by the engineer. The frame and cover shall be heavy duty traffic bearing.

Plastic Filter Fabric:
Plastic Filter Fabric shall be the non–woven type and shall comply with sections 514 and 985 of the latest edition "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein.

Concrete:
Concrete shall comply with sections 345 of the latest edition "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein.. Minimum compressive strength at 28 days shall be 4,000 psi.

DETENTION AREAS AND GRASSED SWALES:
Swales must be landscaped with seeding, sodding, or sprigging, which does not inhibit the infiltration rate of the soil. Engineer requires 48 hours notice prior to landscaping of infiltration areas to make appropriate inspections.

The system will require periodic maintenance for continued proper operation. This will include, as a minimum: A) removal of silt debris from surface infiltration areas and catch basins, and B) maintenance of vegetative cover in surface infiltration areas.

STORMWATER DRYWELLS:
Drywells shall be constructed to the dimensions as detailed in the plans. The washed granular material shall have of a void ratio of not less than 0.4 and the gradation shall conform to section 901 of the latest edition "Florida Department of Transportation Specifications for Road and Bridge Construction". The dry well shall be completely wrapped in woven (as opposed to spun) filter cloth with a minimum 2 feet of overlap at field joints. The dry well shall contain a perforated pipes as detailed in the plans.

INSTALLATION:
The Contractor shall comply with all local, state and federal regulations. The Contractor shall provide proper facilities for handling and laying pipe and accessories. Trenches shall be properly prepared; pipe shall be supported over its full length and bell holes hand dug as required. No pipe will be laid in unsuitable weather or in water. The Contractor will verify all field dimensions and report all discrepancies (including field stake–out) prior to commencing work. The contractor shall notify the Engineer at least 24 hours prior to installing any portion of the storm sewer system. He shall also stake all service connections and provide as–built dimensions to the Engineer. Manholes, cleanouts and the like shall be located, built and sized as shown on these drawings. Connections with existing storm sewer systems shall be coordinated by the Contractor with the Utility Authority. Adequate traffic control shall be provided.

A minimum separation of 10 ft. horizontal measured outside to outside and 18 inches vertical is required between storm sewer lines and all water lines.

When trench excavation depth exceeds five feet, the Contractor shall provide trench protection (shields, sloping, shoring, etc.) and shall comply with OSHA Standard 29 CFR, Section 1926.650 Subpart P.

In accordance with rules of the Florida Department of Environmental Protection (DEP), Chapter 62–25, the Engineer of record will be responsible for observation of construction of the Storm Sewer System. The Engineer SHALL be notified at commencement and completion of construction. To assure compliance with plans and specifications, said Engineer will report to DEP upon completion of construction before the system can be placed in service.

TESTS:
The Contractor shall coordinate all Tests and Inspections with the Utility Authority and the Engineer. All lines, fittings and manholes shall be clean and dry before the Inspector is summoned. Tests and subsequent corrections shall be at the expense of the Contractor.

Non–Perforated Storm Sewers:
Leakage tests by exfiltration and/or infiltration will be made on all pipe as deemed by the Engineer. The Engineer shall have the option determining which test shall be employed. Generally, if the groundwater table is below the bottom of the pipe, an exfiltration test shall be used. Duration of test shall be not less than two (2) hours. Visible leaks encountered shall be corrected regardless of leakage test results. Leakage as measured by either the infiltration or exfiltration test shall not exceed 0.2 gallons per inch diameter per 100 feet of pipe per hour. When leakage exceeds the maximum amount specified, satisfactory correction shall be made and retesting accomplished.

Deflection testing shall be done on all flexible pipe at the direction of the Engineer. Testing shall be done using a mandrel having a diameter equal to 95 percent of the inside diameter of the pipe. When a deflection device is used in lieu of the mandrel, such device shall be approved by the Engineer prior to use. No pipe deflection shall exceed 5 percent.

EROSION PROTECTION:
New and existing drainage structures shall be protected from soil erosion sedimentation by placing baled hay around structures.

Staked baled hay and silt fence barriers shall be installed downhill from any earthwork activity, and in all areas subject to soil erosion, prior to start of construction.

Soil erosion sedimentation shall be controlled during all phases of construction.

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REVISED PLAN	2026-05-18
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STRUCTURAL ENGINEER
AMI CONSULTING LLC
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PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

MARK COOPER SINER LICENSE No. 48831 STATE OF FLORIDA PROFESSIONAL ENGINEER

MARK C. SINER, P.E.
FLORIDA REG. NO. 48831

PROJECT NO. : 25034
SHEET TITLE:
SPECIFICATIONS (1 OF 2)

SHEET NUMBER:
C108

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DO NOT SCALE DRAWINGS

Sequence of Operation

OCCUPIED MODE
THE OA AUTOMATIC CONTROL DAMPER SHALL OPEN AND THE INDOOR FAN AND THE INTERLOCKED REST ROOM EXHAUST FANS SHALL REMAIN ENERGIZED DURING ALL OCCUPIED HOURS.

COOLING
A CALL FOR COOLING FROM THE SPACE THERMOSTAT SHALL ENERGIZE THE REFRIGERATION CIRCUIT(S) AS DICTATED BY THE HEAT PUMP UNIT'S INTERNAL CONTROLS. THE REFRIGERATION CIRCUIT(S) SHALL BE DE-ENERGIZED WHEN THE SPACE TEMPERATURE REQUIREMENT HAS BEEN MET.

HEATING
A CALL FOR HEATING FROM THE SPACE THERMOSTAT SHALL ENERGIZE THE REFRIGERATION CIRCUIT(S) IN REVERSE MODE AS DICTATED BY THE HEAT PUMP UNIT'S INTERNAL CONTROLS. THE REFRIGERATION CIRCUIT SHALL BE DE-ENERGIZED WHEN THE SPACE TEMPERATURE REQUIREMENT HAS BEEN MET.

IF THE SPACE HEATING REQUIREMENT CAN NOT BE MET USING THE REVERSE CYCLE ALONE, THE ELECTRIC HEATER WILL BE ENERGIZED AND CONTROLLED BY THE HEAT PUMP UNIT'S INTERNAL CONTROLS TO PROVIDE SUPPLEMENTAL HEAT. THE ELECTRIC HEATER AND THE REFRIGERATION CIRCUITS SHALL BE DE-ENERGIZED WHEN THE SPACE TEMPERATURE REQUIREMENT HAS BEEN MET.

UNOCCUPIED MODE
WHEN THE SPACE IS UNOCCUPIED, THE INDOOR FAN SHALL BE ENERGIZED ONLY WHEN THE REFRIGERATION CIRCUIT(S) OR ELECTRIC HEATER IS ENERGIZED. THE INTERLOCKED REST ROOM EXHAUST FANS SHALL REMAIN DE-ENERGIZED AND THE OA AUTOMATIC CONTROL DAMPER SHALL REMAIN CLOSED.

General Notes

1. THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES ALL REQUIRED OPENINGS IN WALLS, FOUNDATIONS, FLOORS, AND ROOFS.
2. ALL OUTSIDE AIR INLETS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM ANY EXHAUST AIR OUTLET OR PLUMBING VENT STACK. COORDINATE WITH THE PLUMBING AND THE GENERAL CONTRACTORS IN THE FIELD.
3. THE MECHANICAL CONTRACTOR SHALL VERIFY ALL MECHANICAL EQUIPMENT LOCATIONS AND BE RESPONSIBLE FOR ALL RELATED CLEARANCES IN THE FIELD. PROVIDE ADEQUATE MAINTENANCE CLEARANCE AROUND EACH PIECE OF EQUIPMENT PER THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE CLEARANCE IN FRONT OF ALL ELECTRICAL PANELS AND OTHER ELECTRICAL EQUIPMENT PER THE NATIONAL ELECTRICAL CODE REQUIREMENTS. COORDINATE WITH THE ELECTRICAL AND GENERAL CONTRACTORS IN THE FIELD. COORDINATE THE EXACT LOCATION OF ALL OUTDOOR UNITS IN THE FIELD WITH THE OWNER AND ARCHITECT.
4. PROVIDE WATER PROOF SEALING OF ALL PIPE AND DUCT PENETRATIONS OF EXTERIOR WALLS, FLOORS, AND/OR ROOF.

Ductwork & Insulation Notes

1. ALL SUPPLY, RETURN, EXHAUST, AND OUTSIDE AIR DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR OR ROUND GALVANIZED METAL AS INDICATED, SMACNA STATIC PRESSURE CLASS 1" W.G., SEAL CLASS B, EXTERNALLY INSULATED WITH 2" THICK DUCT WRAP WITH A MINIMUM INSTALLED R-VALUE OF 6.0. EXHAUST AIR DUCTWORK MAY BE UNINSULATED.
2. AVOID ROUTING DUCTWORK OVER LIGHTS WHEREVER POSSIBLE. WHERE DUCTWORK MUST BE ROUTED OVER LIGHTS, MAINTAIN A 2" CLEARANCE BETWEEN DUCT INSULATION AND TOP OF LIGHTS.
3. ALL DUCTWORK WALL PENETRATIONS SHALL BE SEALED AIR TIGHT REGARDLESS WALL FIRE RATING STATUS.

HVAC Legend

10"x8"	RECTANGULAR DUCTWORK. SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. SEE 'DUCTWORK AND INSULATION NOTES' ON THIS SHEET.
8"Ø	ROUND METAL SNAP-LOCK DUCTWORK. SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS. SEE 'DUCTWORK AND INSULATION NOTES' ON THIS SHEET.
8"Ø	FACTORY FABRICATED AND INSULATED SOUND ATTENUATING FLEXIBLE ROUND DUCT. SIZE SHOWN IS INSIDE CLEAR DIMENSION. MAXIMUM LENGTH IS 8 FEET.
10"Ø 12"x12"	LONG RADIUS (RADIUS IS MINIMUM 1-1/2 TIMES THE DUCT DIAMETER) ELBOW IN ROUND OR RECTANGULAR DUCTWORK. PROVIDE FOR ALL ROUND DUCT AND FOR ALL RECTANGULAR DUCT DUCT 12" OR LESS IN THE TURNING DIRECTION.
20"x16"	SQUARE THROAT ELBOW IN RECTANGULAR DUCTWORK WITH DOUBLE WALL TURNING VANES.
	RECTANGULAR BRANCH DUCT TAKE-OFF FROM RECTANGULAR MAIN DUCT. TAKE-OFF SHALL BE MADE WITH A 45° COLLAR.
	ROUND BRANCH DUCT TAKE-OFF FROM RECTANGULAR MAIN DUCT. BRANCH DUCT SHALL BE FLEXIBLE ROUND DUCT OR ROUND METAL SNAPLOCK AS INDICATED. ROUND DUCT TAKE-OFF SHALL BE MADE WITH 45° SIDE TAKE-OFF FITTING WITH MANUAL VOLUME DAMPER. SEE 'ROUND DUCT TAKE-OFF MOUNTING DETAIL' ON SHEET M002.
MVD ACD	MANUAL VOLUME DAMPER (MVD) OR AUTOMATIC CONTROL DAMPER (ACD) IN RECTANGULAR DUCT. PROVIDE OPPOSED BLADE TYPE WITH LOCKING QUADRANT REGULATOR. ACD SHALL BE LOW VOLTAGE AND WIRED BY THE MECHANICAL CONTRACTOR.
	RECTANGULAR TO ROUND DUCT TRANSITION.
	FLEXIBLE DUCT CONNECTOR
	ROUND DUCT IN SECTION
	RECTANGULAR SUPPLY OR OUTSIDE AIR DUCTWORK IN SECTION
	RECTANGULAR RETURN OR EXHAUST AIR DUCTWORK IN SECTION
8"Ø CD 300 CFM	CEILING DIFFUSER. 24"x24" SQUARE CONE FACE. ROUND NECK SIZE AND AIR FLOW AS INDICATED. DIRECTION OF THROW AS INDICATED BY ARROWS. TITUS MODEL TMS OR APPROVED EQUIVALENT. SEE 'SQUARE CEILING DIFFUSER MOUNTING DETAIL' ON SHEET M002.
8"x6" CR 120 CFM	CEILING REGISTER. CURVED BLADE. RECTANGULAR NECK SIZE AND AIR FLOW AS INDICATED. DIRECTION OF THROW AS INDICATED BY ARROWS. PROVIDE WITH AN OPPOSED BLADE VOLUME CONTROL DAMPER OPERABLE FROM THE FACE OF THE REGISTER. TITUS MODEL 250 OR APPROVED EQUIVALENT.
12"x10" SWR 300 CFM	SIDEWALL REGISTER. RECTANGULAR NECK SIZE AND AIR FLOW AS INDICATED. DIRECTION OF THROW AS INDICATED BY ARROW. PROVIDE WITH ADJUSTABLE AIR EXTRACTOR OPERABLE FROM THE FACE OF THE REGISTER. CONSTRUCTED FROM ALUMINUM TITUS MODEL 300FS OR APPROVED EQUAL.
8"Ø 48" LD 250 CFM	LINEAR DIFFUSER. 48" LONG LINEAR DIFFUSER WITH A SINGLE 1-1/2" SLOT AND FACTORY-SUPPLIED FIBERGLASS0 PLENUM. ROUND INLET SIZED AS INDICATED. INSULATE ENTIRE PLENUM SAME AS SUPPLY AIR DUCTWORK. TITUS "FLOWBAR" MODEL FL-10 WITH "JetThrow" PATTERN CONTROLLER. PROVIDE WITH BORDER TYPE FOR INSTALLATION IN A 48"x48" LAY-IN CEILING.
22"x22" RAG 1,000 CFM	RETURN AIR GRILLE. LOUVERED FACE WITH FIXED LOUVERS PARALLEL TO THE LONG DIMENSION, SPACED AT 1/2" AND SET AT A 35° DEFLECTION, TITUS MODEL 355RL OR APPROVED EQUIVALENT. PROVIDE WITH AN EXTENDED PANEL WHEN INSTALLED IN A CEILING GRID.
	UNDERCUT DOOR 1" TO ALLOW AIR FLOW IN THE DIRECTION INDICATED.
	SUPPLY AND OUTSIDE AIR FLOW.
	RETURN AND EXHAUST AIR FLOW.
T	PROGRAMMABLE THERMOSTAT AND HUMIDISTAT. MOUNT AT 60" A.F.F. SEE SEQUENCE OF OPERATION ON THIS SHEET.
AH-# HPU-#	AIR HANDLER AND HEAT PUMP UNIT. DX SPLIT-SYSTEM INDOOR AND OUTDOOR UNITS. SEE SCHEDULE ON THIS SHEET AND 'AIR HANDLER INSTALLATION DETAIL' ON SHEET M002.
RTU-#	ROOFTOP UNIT. PACKAGED HEAT PUMP ELECTRIC HEAT. SEE SCHEDULE ON THIS SHEET AND 'PACKAGED ROOFTOP UNIT INSTALLATION DETAIL' ON SHEET M002.
EF-#	EXHAUST FAN. SEE SCHEDULE ON THIS SHEET AND 'CEILING EXHAUST FAN INSTALLATION DETAIL' ON SHEET M002.

Fan Schedule

MARK	TYPE (1)	DRIVE (2)	SERVICE (3)	LOCATION	CONTROL	INTERLOCK	PERFORMANCE DATA: AIR FLOW (CFM)	EXTERNAL STATIC PRESSURE (INCHES H_2O)	MAXIMUM RPM	MAXIMUM SONES	ELECTRICAL DATA: MAXIMUM POWER	VOLTS	PHASE	HERTZ	REMARKS
EF-1 - 6	CEF	DD	EA	REST ROOM	CONTINUOUS	LIGHTS	70	0.38	730	2.0	40 WATTS	115	1	60	(4)(5)(6)

Fan Notes

(1) CEF - CEILING EXHAUST FAN
(2) DD - DIRECT DRIVE
(3) EA - EXHAUST AIR
(4) PROVIDE FAN WITH A SPEED CONTROLLER FOR AIR FLOW BALANCING. MOUNT CONTROLLER WITHIN FAN HOUSING.
(5) PROVIDE FAN WITH INTEGRAL DISCONNECT.
(6) BASIS OF DESIGN - GREENHECK MODEL SP-B110 OR APPROVED EQUIVALENT.

Split System Air to Air Heat Pump Unit Schedule

MARK	INDOOR UNIT (AH): FAN DATA: TOTAL AIR (CFM)	OUTSIDE AIR (CFM)	EXTERNAL STATIC PRESSURE (INCHES H_2O)	FULL LOAD AMPS	AUXILIARY HEATER DATA: TYPE	TOTAL KW (3)	CONTROL STAGES	KW PER STAGE (4)	FILTER DATA: MAXIMUM FACE VELOCITY (FPM)	TYPE	THICK	ELECTRICAL DATA: MINIMUM CIRCUIT AMPACITY	MAXIMUM OVERCURRENT PROTECTION	VOLTS	PHASE	HERTZ	OUTDOOR UNIT (HPU): COMPRESSOR QUANTITY	ELECTRICAL DATA: MINIMUM CIRCUIT AMPACITY	MAXIMUM OVERCURRENT PROTECTION	VOLTS	PHASE	HERTZ	AHRI COOLING DATA (7): MINIMUM TOTAL NET CAPACITY (BTU/HR)	MINIMUM SEER2 (8)	AHRI HEATING DATA (7): MINIMUM HIGH TEMP. AHRI RATING @ 47°Fdb: CAPACITY (BTU/HR)	HSPF2 (8)	REMARKS
AH & HPU-1	1,900	155	0.6 (1)	6.0	(2)	7.68	1	7.68	500	(5)	1"	48 (6)	50 (6)	230	1	60	1	11	15	460	3	60	53,500	14.3	35,850	7.5	(9)(10)(11)(12)(13)(14)

Split System Heat Pump Unit Notes

(1) DOES NOT INCLUDE AIR PRESSURE DROP THROUGH FILTER OR ELECTRIC RESISTANCE HEATER.
(2) ELECTRIC RESISTANCE.
(3) NOMINAL HEATER SIZE, AS RATED AT 240V.
(4) AS RATED AT THE ACTUAL VOLTAGE AVAILABLE (240V).
(5) IF NOT INTEGRAL TO OR SUPPLIED WITH THE AIR HANDLER, PROVIDE A REMOTE FILTER HOUSING TO ACCOMMODATE APPROPRIATELY SIZED MERV 8 DISPOSABLE FILTER.
(6) RATED AT THE VOLTAGE INDICATED AND INCLUDES SCHEDULED AUXILIARY ELECTRIC HEATER.
(7) AHRI 210/240-2023 STANDARD CONDITIONS FOR MATCHED SYSTEM.
(8) SEER2 - SEASONAL ENERGY EFFICIENCY RATIO 2.
HSPF2 - HEATING SEASON PERFORMANCE FACTOR 2.
(9) REFRIGERANT PIPING SIZE, ROUTING, AND CONFIGURATION SHALL BE AS RECOMMENDED BY MANUFACTURER OF HEAT PUMP UNIT. INSULATE ENTIRE SUCTION LINE WITH MINIMUM 3/4" THICK UNICELLULAR INSULATION.
(10) PROVIDE EACH COMPRESSOR WITH ANTI-SHORT CYCLE CONTROLS AND TIME DELAY ON COMPRESSOR RESTART.
(11) CONDENSATE PIPING SHALL BE 1" PVC OR COPPER. TRAP AT INDOOR UNIT PER MANUFACTURER'S RECOMMENDATIONS AND ROUTE TO POINT INDICATED. CONSTRUCT TRAP OUT OF TEES WITH A CAP ON EACH TEE. SEE 'CONDENSATE DRAIN DETAIL' ON SHEET M002.
(12) ROUTE REFRIGERANT AND CONDENSATE PIPING TO ALLOW CONVENIENT ACCESS TO INDOOR UNIT FOR MAINTENANCE. ALLOW A MINIMUM OF 36" CLEARANCE IN FRONT OF ALL ACCESS PANELS.
(13) PROVIDE OUTDOOR UNIT WITH LOUVERED OR PVC COATED COIL GUARDS.
(14) BASIS OF DESIGN - TRANE MODEL 5TWA4060A4 HEAT PUMP (OUTDOOR) UNIT AND MODEL 5TEM4D06AC41 AIR HANDLER (INDOOR UNIT) OR APPROVED EQUIVALENTS.

Packaged Air to Air Heat Pump Unit Schedule

MARK	EVAPORATOR SECTION: FAN DATA: TOTAL AIR (CFM)	OUTSIDE AIR (CFM)	EXTERNAL STATIC PRESSURE (INCHES H_2O)	MINIMUM POWER	ELECTRIC HEATER DATA: TOTAL kW (2)	CONTROL STAGES	kW PER STAGE (3)	FILTER DATA: MAXIMUM FACE VELOCITY (FPM)	TYPE	THICK	CONDENSER SECTION: COMPRESSOR DATA: QUANTITY	MAXIMUM RATED LOAD AMPS EACH	CONDENSER FAN DATA: QUANTITY	MAXIMUM FULL LOAD AMPS EACH	AHRI COOLING DATA (5): MINIMUM TOTAL NET CAPACITY (BTU/HR)	MINIMUM EFFICIENCY (6)	AHRI HEATING DATA (5): MINIMUM HIGH TEMP. AHRI RATING @ 47°Fdb: CAPACITY (BTU/HR)	EFFICIENCY (6)	ELECTRIC DATA: VOLTS	PHASE	HERTZ	REMARKS
RTU-1	2,140	155	0.6 (1)	3 hp	9.0	1	9.0	160	(4)	2"	2	7.0/4.2	1	1.5	74,110	16.3 IEER	71,600	3.7 COP_H	460	3	60	(7)(8)(9)(10)
RTU-2	3,400	290	0.6 (1)	4.2 hp	18.0	2	9.0	250	(4)	2"	2	13.7/5.9	1	3.0	115,020	16.1 IEER	108,250	3.57 COP_H	460	3	60	(7)(8)(9)(11)
RTU-3	2,040	155	0.6 (1)	3 hp	9.0	1	9.0	160	(4)	2"	2	7.0/4.2	1	1.5	73,540	16.3 IEER	71,600	3.7 COP_H	460	3	60	(7)(8)(9)(10)

Packaged Air Conditioning Unit Notes

(1) DOES NOT INCLUDE AIR PRESSURE DROP THROUGH FILTER.
(2) 'NOMINAL' - AS RATED AT 480V.
(3) 'ACTUAL' - AS RATED AT THE VOLTAGE AVAILABLE (480V).
(4) MERV 8 DISPOSABLE.
(5) AT AHRI (AIR CONDITIONING HEATING REFRIGERATION INSTITUTE) STANDARD CONDITIONS.
(6) IEER - INTEGRATED ENERGY EFFICIENCY RATIO
COP_H - COEFFICIENT OF PERFORMANCE, HEATING
(7) CONDENSATE PIPING SHALL BE 1" PVC. TRAP AT UNIT AND ROUTE POINT INDICATED. CONSTRUCT TRAP OUT OF TEES WITH A CAP ON EACH TEE. SEE 'CONDENSATE DRAIN DETAIL' ON SHEET M002.
(8) PROVIDE EACH COMPRESSOR WITH ANTI-SHORT CYCLE CONTROLS AND TIME DELAY ON COMPRESSOR RESTART.
(9) DOWNFLOW PACKAGED HEAT PUMP UNIT. PROVIDE WITH AUXILIARY ELECTRIC HEAT, STANDARD ECONOMIZER, SMOKE DETECTOR IN THE SUPPLY AIR, THROUGH-THE- BASE ELECTRICAL, UNIT MOUNTED DISCONNECT, AND POWERED CONVENIENCE OUTLET.
(10) BASIS OF DESIGN - TRANE MODEL WHK072A4S0C OR APPROVED EQUIVALENT.
(11) BASIS OF DESIGN - TRANE MODEL WHK120A4S0G OR APPROVED EQUIVALENT.

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PROJECT TEAM:
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STRUCTURAL ENGINEER
AMI CONSULTING LLC
MECHANICAL
DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
HVAC LEGEND, SCHEDULES, AND NOTES

SHEET NUMBER:
M001

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CONSTRUCTION DOCUMENTS

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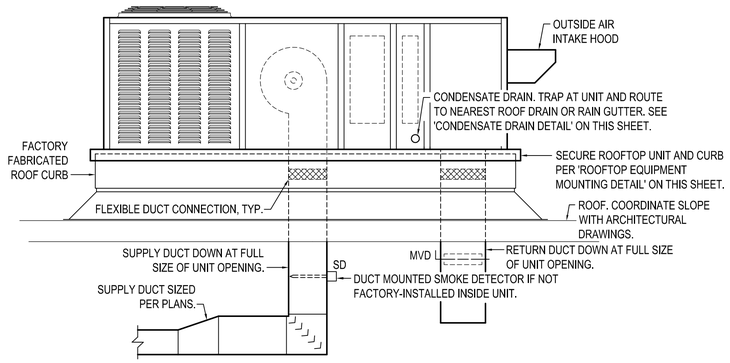
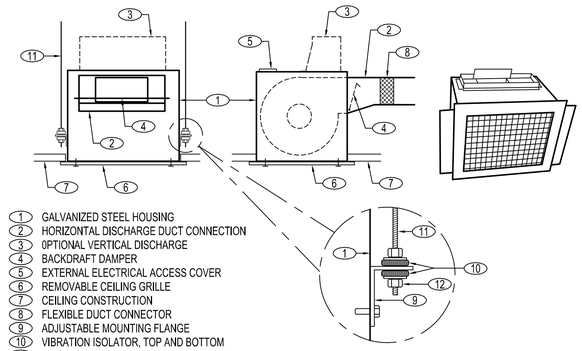


NOTES:
MECHANICAL CONTRACTOR COORDINATE ROOF CURB INSTALLATION, LOCATION, AND SIZE OF ROOF OPENINGS REQUIRED BY ACTUAL EQUIPMENT INSTALLED WITH THE GENERAL CONTRACTOR IN THE FIELD. THE EXISTING CURB MUST BE REMOVED. NO CURB ADAPTORS WILL BE ALLOWED.

PROVIDE UNIT WITH A CONDENSATE TRAP ASSEMBLY THAT INCORPORATES AN ELECTRIC OVERFLOW CUT OFF SWITCH ON THE PRIMARY CONDENSATE DRAIN. TRAP ASSEMBLY AND CUT OFF SWITCH SHALL BE EZ TRAP MODEL EZT-2 OR APPROVED EQUIVALENT.

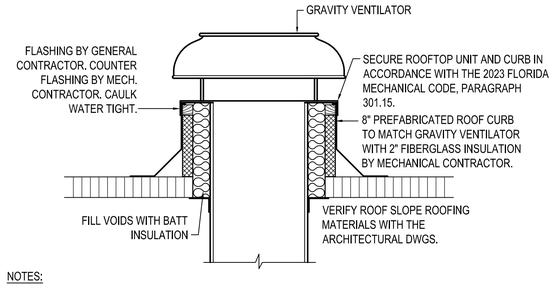
PROVIDE UNIT WITH A WATER-LEVEL MONITORING DEVICE ON THE SECONDARY/AUXILIARY CONDENSATE DRAIN FOR COMPLIANCE WITH 2023 FLORIDA MECHANICAL CODE, PARAGRAPH 307.2.3.1.

Packaged Rooftop Unit Installation Detail
NOT TO SCALE



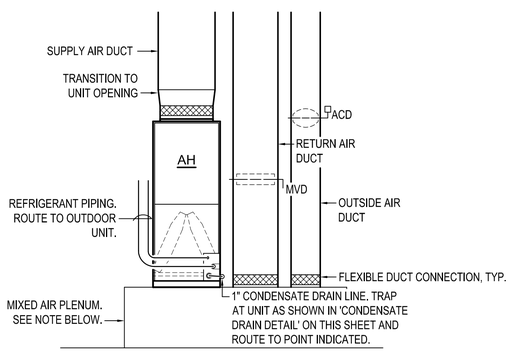
1. GALVANIZED STEEL HOUSING
2. HORIZONTAL DISCHARGE DUCT CONNECTION
3. OPTIONAL VERTICAL DISCHARGE
4. BACKDRAFT DAMPER
5. EXTERNAL ELECTRICAL ACCESS COVER
6. REMOVABLE CEILING GRILLE
7. CEILING CONSTRUCTION
8. FLEXIBLE DUCT CONNECTOR
9. ADJUSTABLE MOUNTING FLANGE
10. VIBRATION ISOLATOR, TOP AND BOTTOM
11. 3/16" DIAMETER THREADED HANGER RODS, TOTAL OF FOUR, SUPPORT FROM BUILDING STRUCTURE
12. NUT AND WASHER

Ceiling Exhaust Fan Installation Detail
NOT TO SCALE



NOTES:
1. MECHANICAL CONTRACTOR SHALL COORDINATE LOCATION AND SIZE OF ROOF OPENINGS WITH GENERAL CONTRACTOR. ALL OUTSIDE AIR INTAKES SHALL BE MINIMUM 10 FEET FROM ANY EXHAUST AIR OUTLET OR PLUMBING VENT.
2. PREFABRICATED ROOF CURB FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED BY ROOFING CONTRACTOR.
3. ALL ROOFTOP EQUIPMENT SHALL BE SECURED TO THE ROOF PER THE MANUFACTURER'S RECOMMENDATIONS AND IN COMPLIANCE WITH THE 2023 FLORIDA MECHANICAL CODE, PARAGRAPH 301.15.

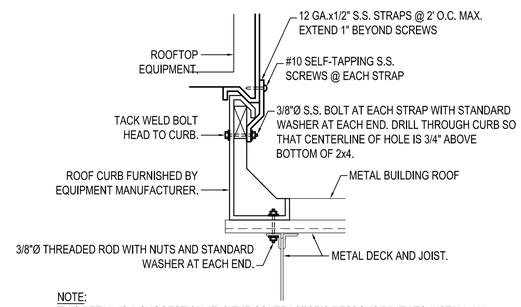
Rooftop Outside Air Intake Installation Detail
NOT TO SCALE



MIXED AIR PLENUM NOTE:
INDOOR UNIT SHALL BE INSTALLED ON A 24" TALL MIXED AIR PLENUM. CONSTRUCT PLENUM OUT OF 2x4's WITH ALL SIDES COVERED WITH 5/8" TYPE "X" GYPSUM WALL BOARD. TOP OF PLENUM SHALL BE 3/4" CDX PLYWOOD. SEAL ALL JOINTS AIR TIGHT WITH SILICONE BASED ACRYLIC LATEX CAULKING. INTERNALLY INSULATE ENTIRE PLENUM WITH 1-1/2" RIGID DUCT INSULATION WITH A MINIMUM INSTALLED R-VALUE OF 6.0. ENSURE ALL WOOD INSIDE PLENUM IS COMPLETELY COVERED WITH INSULATION OR METAL TAPE. NO DRAINS, PVC PIPING OR COMBUSTIBLE MATERIALS ARE ALLOWED TO BE EXPOSED INSIDE THE PLENUM.

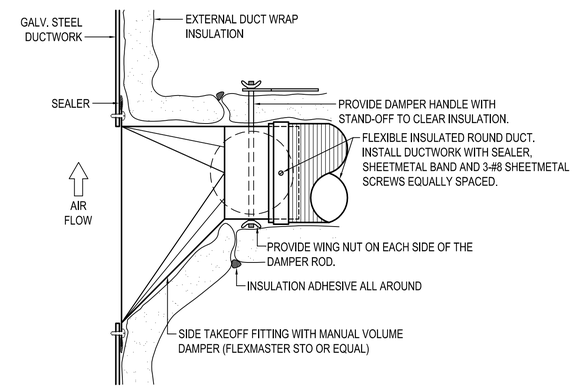
CONDENSATE DRAIN NOTE:
PROVIDE UNIT WITH A CONDENSATE TRAP ASSEMBLY THAT INCORPORATES AN ELECTRIC OVERFLOW CUT OFF SWITCH.

Air Handler Installation Detail
NOT TO SCALE

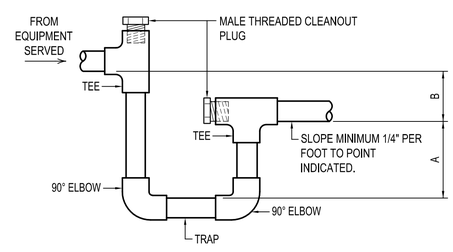


NOTE:
THIS DETAIL IS A SUGGESTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSTALL ALL ROOFTOP EQUIPMENT SO THAT IT IS SECURED TO THE ROOF PER THE MANUFACTURER'S RECOMMENDATIONS AND IN SUCH A WAY AS TO BE IN COMPLIANCE WITH THE 2020 FLORIDA MECHANICAL CODE, PARAGRAPH 301.15.

Rooftop Equipment Mounting Detail
NOT TO SCALE

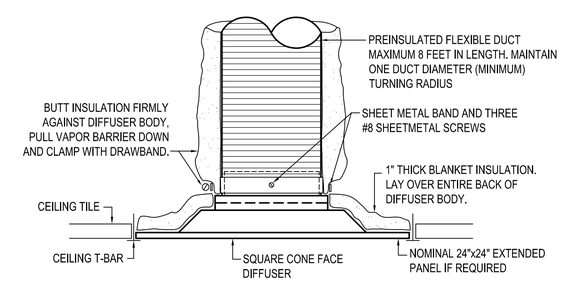


Round Duct Take-Off Mounting Detail
NOT TO SCALE



A = 0.5 X B
B = EQUIPMENT INTERNAL STATIC PRESSURE + 1" MINIMUM

Condensate Drain Detail
NOT TO SCALE



Square Ceiling Diffuser Installation Detail
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ELECTRICAL
JOHNSON ENGINEERING

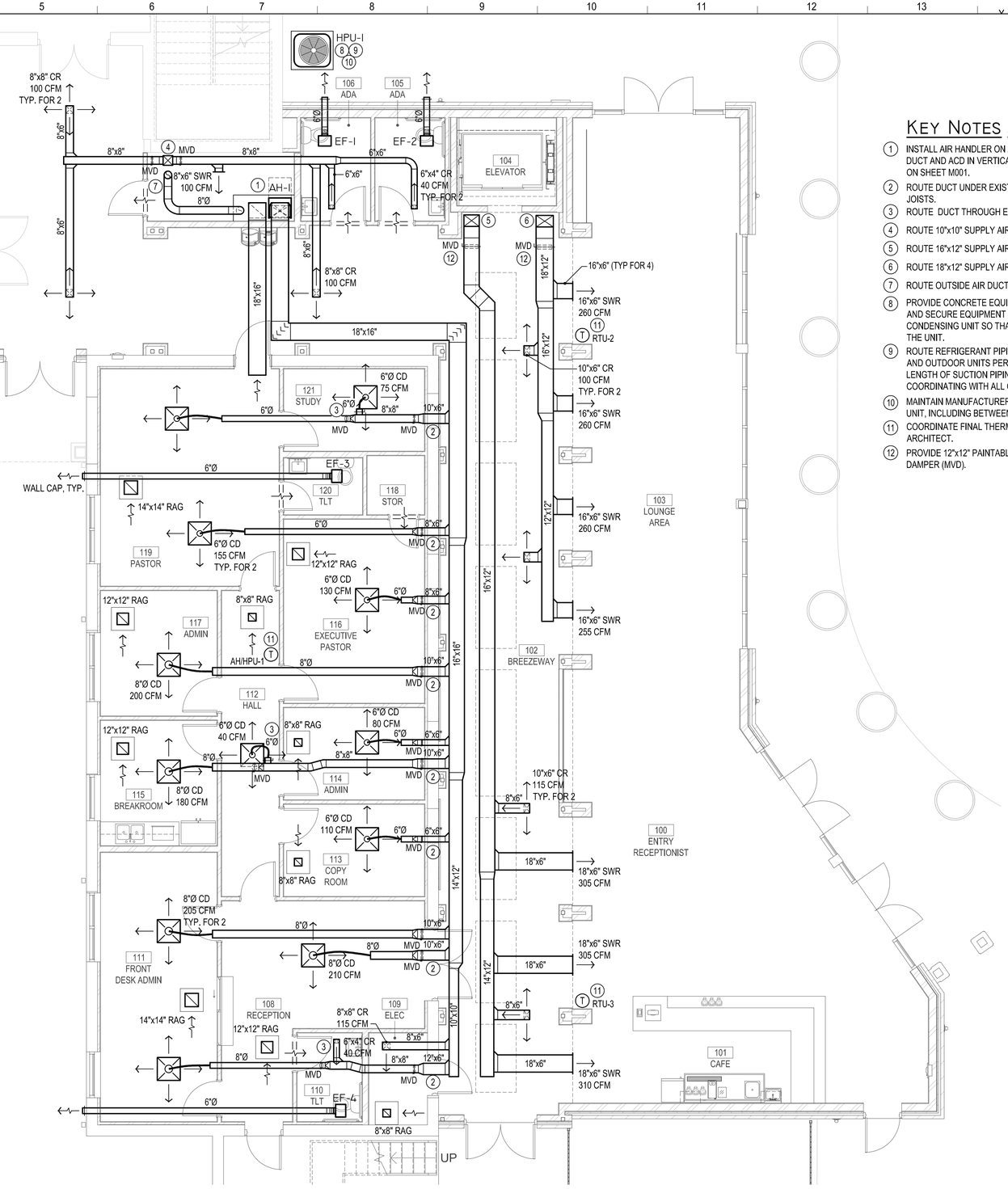
PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
HVAC DETAILS

SHEET NUMBER:
M002

CONSTRUCTION DOCUMENTS



NORTH

HVAC FIRST FLOOR PLAN

SCALE: 3/16" = 1'-0"

KEY NOTES (THIS SHEET ONLY)

1. INSTALL AIR HANDLER ON A MIXED AIR PLENUM. PROVIDE MVD IN VERTICAL RETURN AIR DUCT AND ACD IN VERTICAL OUTSIDE AIR DUCT. SEE 'AIR HANDLER INSTALLATION DETAIL' ON SHEET M001.
2. ROUTE DUCT UNDER EXISTING STRUCTURAL STEEL MEMBER THEN BETWEEN EXISTING BAR JOISTS.
3. ROUTE DUCT THROUGH EXISTING BAR JOIST WEBBING.
4. ROUTE 10"x10" SUPPLY AIR DUCT UP TO 2nd FLOOR. SEE SHEET M102 FOR CONTINUATION.
5. ROUTE 16"x12" SUPPLY AIR DUCT UP TO 2nd FLOOR. SEE SHEET M102 FOR CONTINUATION.
6. ROUTE 18"x12" SUPPLY AIR DUCT UP TO 2nd FLOOR. SEE SHEET M102 FOR CONTINUATION.
7. ROUTE OUTSIDE AIR DUCT UP TO 2nd FLOOR. SEE SHEET M102 FOR CONTINUATION.
8. PROVIDE CONCRETE EQUIPMENT PAD 3" LARGER THAN EQUIPMENT PROVIDED ON ALL SIDES AND SECURE EQUIPMENT PER ITS MANUFACTURER'S RECOMMENDATIONS. POSITION CONDENSING UNIT SO THAT RAIN WATER DOES NOT RUN OFF THE ROOF DIRECTLY ONTO THE UNIT.
9. ROUTE REFRIGERANT PIPING UP INSIDE WALL THEN TO INDOOR UNIT. CONNECT INDOOR AND OUTDOOR UNITS PER MANUFACTURER'S RECOMMENDATIONS. INSULATE ENTIRE LENGTH OF SUCTION PIPING. CONTRACTOR SHALL DETERMINE BEST ROUTING IN THE FIELD COORDINATING WITH ALL OTHER TRADES.
10. MAINTAIN MANUFACTURER'S MINIMUM RECOMMENDED CLEARANCES AROUND CONDENSING UNIT, INCLUDING BETWEEN UNIT AND WALL (12" FOR BASIS-OF-DESIGN UNIT) .
11. COORDINATE FINAL THERMOSTAT LOCATION IN THE FIELD WITH THE OWNER AND ARCHITECT.
12. PROVIDE 12"x12" PAINTABLE HINGED ACCESS COOR IN CEILING BELOW MANUAL VOLUME DAMPER (MVD).

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JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

Day Engineering, LLC
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PROJECT NO. : 25034
SHEET TITLE:
HVAC FIRST FLOOR PLAN

SHEET NUMBER:
M101

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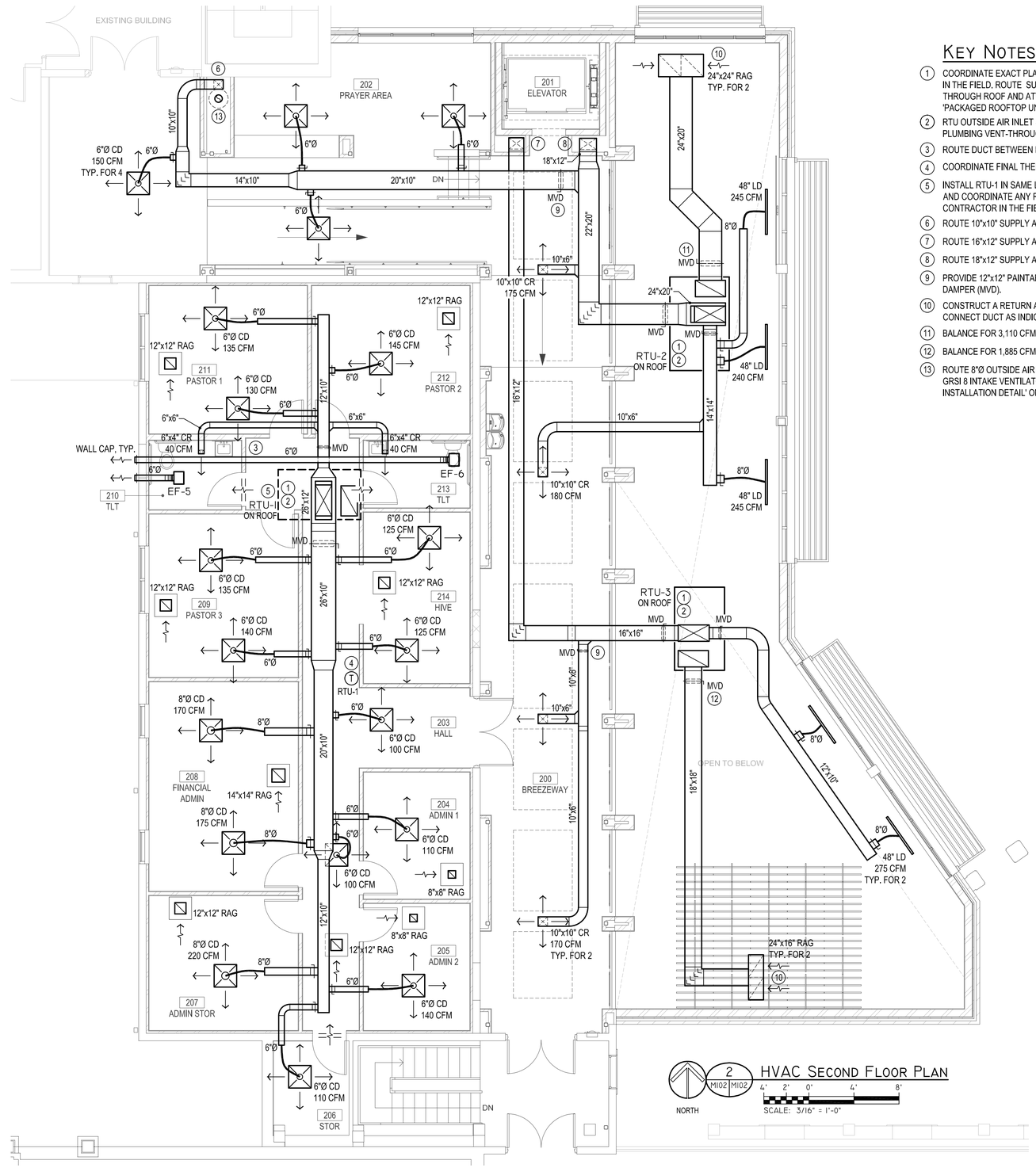

HVAC SECOND FLOOR PLAN

Key Notes (This Sheet Only)

1. COORDINATE EXACT PLACEMENT OF RTU ON ROOF WITH THE ARCHITECT AND THE OWNER IN THE FIELD. ROUTE SUPPLY AND RETURN AIR DUCT SAME SIZE AS UNIT OPENINGS UP THROUGH ROOF AND ATTACH PER THE MANUFACTURER'S RECOMMENDATIONS. SEE 'PACKAGED ROOFTOP UNIT INSTALLATION DETAIL' ON SHEET M002.
2. RTU OUTSIDE AIR INLET SHALL BE MINIMUM 10'-0" FROM ANY EXHAUST FAN OUTLET OR PLUMBING VENT-THROUGH-ROOF.
3. ROUTE DUCT BETWEEN BAR JOISTS.
4. COORDINATE FINAL THERMOSTAT LOCATION IN THE FIELD WITH THE OWNER AND ARCHITECT.
5. INSTALL RTU-1 IN SAME LOCATION AS REMOVED EXISTING RTU. PROVIDE NEW ROOF CURB AND COORDINATE ANY REQUIRED ROOF REPAIR WITH THE ARCHITECT AND GENERAL CONTRACTOR IN THE FIELD.
6. ROUTE 10"x10" SUPPLY AIR DUCT DOWN TO 1st FLOOR. SEE SHEET M101 FOR CONTINUATION.
7. ROUTE 16"x12" SUPPLY AIR DUCT DOWN TO 1st FLOOR. SEE SHEET M101 FOR CONTINUATION.
8. ROUTE 18"x12" SUPPLY AIR DUCT DOWN TO 1st FLOOR. SEE SHEET M101 FOR CONTINUATION.
9. PROVIDE 12"x12" PAINTABLE HINGED ACCESS COOR IN CEILING BELOW MANUAL VOLUME DAMPER (MVD).
10. CONSTRUCT A RETURN AIR PLENUM TO COVER TWO GRILLES AND TALL ENOUGH TO CONNECT DUCT AS INDICATED. INSULATE PLENUM SAME AS DUCTWORK.
11. BALANCE FOR 3,110 CFM.
12. BALANCE FOR 1,885 CFM.
13. ROUTE 8"Ø OUTSIDE AIR DUCT UP THROUGH ROOF. TERMINATE WITH GREENHECK MODEL GRSI 8 INTAKE VENTILATOR OR APPROVED EQUIVALENT. SEE 'ROOFTOP AIR INTAKE INSTALLATION DETAIL' ON SHEET M002.

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ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
HVAC SECOND FLOOR PLAN

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SHEET NUMBER:
M102

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POWER SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	PANELBOARD - SEE RESPECTIVE PANELBOARD SCHEDULE. PROVIDE MECHANICALLY FASTENED PHENOLIC LABEL.
A-1	BRANCH CIRCUIT CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING. ARROW INDICATES CIRCUIT HOMERUN, HASHMARKS INDICATE NUMBER OF CONDUCTORS, ABSENCE OF HASHMARKS INDICATES TWO CONDUCTORS PLUS GROUND. "A" DENOTES PANELBOARD SERVING CIRCUIT, "1" INDICATES CIRCUIT BREAKER SPACE IN PANELBOARD. SEE RESPECTIVE PANEL CIRCUIT SCHEDULE. MINIMUM CIRCUIT SIZE = 2#12, 1#12G, 3/4" CONDUIT. SHARING OF NEUTRAL CONDUCTORS IS NOT PERMITTED.
	INDICATES ELECTRICAL CONDUIT ROUTED UNDERGROUND/SLAB
WP	INDICATES WEATHER RESISTANT GFI WIRING DEVICE WITH CAST ALUMINUM IN-USE WEATHER PROOF COVER PLATE.
C	INDICATES DEVICE FLUSH MOUNTED HORIZONTALLY 6" ABOVE COUNTERTOP/SINK OR IN BACKSPLASH.
GFI	INDICATES GROUND FAULT CIRCUIT INTERRUPTER TYPE DEVICE.
EWC	INDICATES GROUND FAULT CIRCUIT INTERRUPTER TYPE DEVICE AT WATER COOLER.
WAP	INDICATES DEVICE MOUNTED ABOVE CEILING FOR WIRELESS ACCESS POINT.
	NON-FUSED DISCONNECT, HEAVY DUTY (SAFETY) SWITCH - SIZE AND TYPE AS NOTED. TOP OF SWITCH 6'-6" A.F.F. PROVIDE PHENOLIC LABEL MECHANICALLY FASTENED TO DISCONNECT.
$	M - MOTOR RATED SWITCH K - KEY OPERATED LIGHT SWITCH.
	20A, 125 VAC 2P., 3W., GROUNDING TYPE, TAMPER PROOF TYPE, DUPLEX RECEPTACLE. FLUSH WALL MTD. 18" A.F.F. UNLESS NOTED OTHERWISE.
	20A, 125 VAC 2P., 3W., GROUNDING TYPE, TAMPER PROOF TYPE, DUPLEX RECEPTACLE. FLUSH WALL MTD. 18" A.F.F. UNLESS NOTED OTHERWISE. ONE OUTLET SHALL BE SEPARATELY CONTROLLED.
C	TIMECLOCK AND CONTACTOR FOR LIGHTING. SEE DETAIL SHEET E400.
	ELECTRIC MOTOR - SEE RESPECTIVE EQUIPMENT SCHEDULE.
J	JUNCTION BOX LOCATION. SIZE AND TYPE AS REQUIRED.

SYMBOLS NOTES:

1. ALL OUTLETS SHALL BE FLUSH MOUNTED.18" A.F.F. UNLESS OTHERWISE NOTED.
2. MOUNTING HEIGHTS ARE FROM THE CENTER LINE OF THE DEVICE.
3. ALL SINGLE GANG AND TWO GANG DEVICES SHALL USE A 4" SQ. BOX WITH EXTENSION RING.
4. ALL MULTI - GANG DEVICES SHALL USE A COMMON COVER PLATE
5. COLORS FOR ALL DEVICES (i.e. SWITCHES, RECEPTACLES, TELEPHONE OUTLETS, ETC.) AND THEIR COVERPLATES SHALL BE DETERMINED BY THE ARCHITECT. UNLESS NOTED OTHERWISE.
6. A.F.G. INDICATES MOUNTING HEIGHT ABOVE FINISHED GRADE.
7. A.F.F. INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR.
8. DO NOT INSTALL OUTLETS BACK TO BACK.
9. "PROVIDE" INDICATES THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL.
10. WHERE MORE THAN 3 CURRENT CARRYING CONDUCTORS ARE RAN IN A SINGLE CONDUIT, NEC SECTION 310.15 SHALL APPLY.

LIGHTING SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	LED LIGHTING FIXTURE. LETTER(S) DENOTE TYPE. SEE LIGHTING FIXTURE SCHEDULE. HATCHED PATTERN INDICATES EMERGENCY LIGHT. PROVIDE FIXTURE WITH 10W SELF TEST/SELF DIAGNOSTIC EMERGENCY BALLAST.
	"LED" EXIT LIGHT & EMERGENCY LIGHT. DARKENED QUADRANTS INDICATE ILLUMINATED FACES, ARROWS AS INDICATED. LETTER(S) DENOTE TYPE - SEE LIGHTING FIXTURE SCHEDULE. WALL OR CEILING MOUNTED.
$	3 - 20 AMP, 120/277 VAC THREE WAY TOGGLE SWITCH. DT - DUAL TECHNOLOGY MOTION SENSOR WALL SWITCH. MO - LOW VOLTAGE MOMENTARY TOGGLE SWITCH MO,D - LOW VOLTAGE MANUAL ON AND DIMMING WALL SWITCH. T - DIGITAL TIME SWITCH FOR AFTER HOURS CONTROL . SWITCH SHALL BE PROGRAMMED FOR A MAXIMUM OF 2 HOURS.
	DUAL TECHNOLOGY CEILING-MOUNTED 360° OCCUPANCY SENSOR, WATTSTOPPER CAT# DT-305. SEE LIGHTING CONTROL WIRING DIAGRAM FOR ADDITIONAL INFORMATION. MOUNT AT LOCATION AS INDICATED ON PLANS. ARROWS INDICATE DEVICE ORIENTATION. SENSOR SHALL BE ORIENTED AS INDICATED ON PLANS. DEVICE SHALL BE PROGRAMMED SUCH THAT BOTH TECHNOLOGIES ARE REQUIRED TO TURN LIGHTS ON AND SUCH THAT EITHER TECHNOLOGY SHALL "HOLD" LIGHTS "ON". "AUTOMATIC OFF" TIME DELAY DURATION SHALL BE 20 MINUTES MAXIMUM. SENSOR SHALL BE PROGRAMMED FOR "MANUAL ON". WHERE A DEVICE IS NOTATED WITH AN "A," IT SHALL BE PROGRAMMED FOR AUTOMATIC ON.
HB HB	DUAL TECHNOLOGY CEILING-MOUNTED 360° OCCUPANCY SENSOR, WATTSTOPPER CAT# HBL3. SEE LIGHTING CONTROL WIRING DIAGRAM FOR ADDITIONAL INFORMATION. MOUNT AT LOCATION AS INDICATED ON PLANS. ARROWS INDICATE DEVICE ORIENTATION. SENSOR SHALL BE ORIENTED AS INDICATED ON PLANS. DEVICE SHALL BE PROGRAMMED SUCH THAT BOTH TECHNOLOGIES ARE REQUIRED TO TURN LIGHTS ON AND SUCH THAT EITHER TECHNOLOGY SHALL "HOLD" LIGHTS "ON". "AUTOMATIC OFF" TIME DELAY DURATION SHALL BE 20 MINUTES MAXIMUM. SENSOR SHALL BE PROGRAMMED FOR "MANUAL ON". WHERE A DEVICE IS NOTATED WITH AN "A," IT SHALL BE PROGRAMMED FOR AUTOMATIC ON.
	DUAL TECHNOLOGY CEILING-MOUNTED HALLWAY OCCUPANCY SENSOR, WATTSTOPPER CAT# WT-2250. SEE LIGHTING CONTROL WIRING DIAGRAM FOR ADDITIONAL INFORMATION. MOUNT AT LOCATION AS INDICATED ON PLANS. ARROWS INDICATE DEVICE ORIENTATION. SENSOR SHALL BE ORIENTED AS INDICATED ON PLANS. DEVICE SHALL BE PROGRAMMED SUCH THAT BOTH TECHNOLOGIES ARE REQUIRED TO TURN LIGHTS ON AND SUCH THAT EITHER TECHNOLOGY SHALL "HOLD" LIGHTS "ON". "AUTOMATIC OFF" TIME DELAY DURATION SHALL BE 20 MINUTES MAXIMUM. WHERE A DEVICE IS NOTATED WITH AN "A," IT SHALL BE PROGRAMMED FOR AUTOMATIC ON.
PP	POWER PACK RELAY FOR CONTROL OF LIGHTING CONTROLS, EQUAL TO WATTSTOPPER CAT# BZ-150. MOUNT DEVICE IN AN ACCESSIBLE LOCATION. SEE TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM FOR REQUIREMENTS.

SYMBOLS NOTES:

1. ALL SWITCHES SHALL BE FLUSH MOUNTED, 48" A.F.F. UNLESS OTHERWISE NOTED.
2. MOUNTING HEIGHTS ARE FROM THE CENTER LINE OF THE DEVICE.
3. ALL SINGLE GANG AND TWO GANG DEVICES SHALL USE A 4" SQ. BOX WITH EXTENSION RING.
4. ALL MULTI - GANG DEVICES SHALL USE A COMMON COVER PLATE
5. COLORS FOR ALL DEVICES (i.e. SWITCHES, RECEPTACLES, TELEPHONE OUTLETS, ETC.) AND THEIR COVERPLATES SHALL BE DETERMINED BY THE ARCHITECT. UNLESS NOTED OTHERWISE.
6. A.F.G. INDICATES MOUNTING HEIGHT ABOVE FINISHED GRADE.
7. A.F.F. INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR.
8. DO NOT INSTALL OUTLETS BACK TO BACK.
9. "PROVIDE" INDICATES THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL.
10. WHERE MORE THAN 3 CURRENT CARRYING CONDUCTORS ARE RAN IN A SINGLE CONDUIT, NEC SECTION 310.15 SHALL APPLY.

AUXILIARY SYSTEMS SYMBOL LEGEND

SYMBOL	DESCRIPTION
	INDICATES DATA OUTLET IN A 4" SQUARE BOX WITH 1 GANG EXTENSION RING. DEVICE MOUNTED 18" AFF UNLESS NOTED OTHERWISE. STUB 3/4"C FROM BACKBOX TO 6" ABOVE ACCESSIBLE CEILING, PROVIDE CONDUIT BUSHINGS AND PULL STRING.
MH	MAGNETIC DOOR HOLDER INITIATED BY FIRE ALARM SYSTEM
FACP	ADDRESSABLE INTELLIGENT FIRE ALARM SYSTEM CONTROL PANEL
ANN	ADDRESSABLE INTELLIGENT FIRE ALARM SYSTEM ANNUNCIATOR.
F	FIRE ALARM SYSTEM ADDRESSABLE PULL STATION - SEMI FLUSH MOUNTED 48" A.F.F. TO TOP UNLESS NOTED OTHERWISE. DEVICES IN THE GYMNASIUM MARKED WITH A "W" SHALL BE PROVIDED WITH A STOPPER II COVER AND LIFT ACTUATING HORN.
F	FIRE ALARM SYSTEM SPEAKER / STROBE DEVICE CEILING MOUNTED, UNLESS NOTED OTHERWISE. ALL STROBES IN COMMON SPACES OR CORRIDORS SHALL BE SYNCHRONIZED. STROBE SHALL BE 75 CANDELLA MINIMUM UNLESS NOTED OTHERWISE.
F	FIRE ALARM SYSTEM VISUAL DEVICE CEILING MOUNTED, UNLESS NOTED OTHERWISE. ALL STROBES IN COMMON SPACES OR CORRIDORS SHALL BE SYNCHRONIZED. STROBE SHALL BE 75 CANDELLA MINIMUM UNLESS NOTED OTHERWISE.
SD	ADDRESSABLE INTELLIGENT CEILING MOUNTED FIRE ALARM SYSTEM PHOTOELECTRIC TYPE SMOKE DETECTOR WITH BASE.
HD	ADDRESSABLE INTELLIGENT FIRE ALARM SYSTEM HEAT DETECTOR RATE OF RISE TYPE.
S	ADDRESSABLE INTELLIGENT FIRE ALARM SYSTEM DUCT MOUNTED PHOTOELECTRIC SMOKE DETECTOR COMPLETE WITH HOUSING AND AIR SAMPLING TUBES. "S" DENOTES DETECTOR IN SUPPLY DUCT; "R" DENOTES DETECTOR IN RETURN DUCT.
FS	SPRINKLER SYSTEM FLOW SWITCH. FURNISHED AND INSTALLED BY FIRE PROTECTION (SPRINKLER) SYSTEM CONTRACTOR, AND CONNECTED TO FIRE ALARM SYSTEM CONTROL PANEL VIA AN ADDRESSABLE MONITOR MODULE BY FIRE ALARM SYSTEM CONTRACTOR.
TS	SPRINKLER SYSTEM TAMPER SWITCH. FURNISHED AND INSTALLED BY FIRE PROTECTION (SPRINKLER) SYSTEM CONTRACTOR, AND CONNECTED TO FIRE ALARM SYSTEM CONTROL PANEL VIA AN ADDRESSABLE MONITOR MODULE BY FIRE ALARM SYSTEM CONTRACTOR.

SYMBOLS NOTES:

1. ALL DEVICES SHALL BE FLUSH MOUNTED, 48" A.F.F. UNLESS OTHERWISE NOTED.
2. MOUNTING HEIGHTS ARE FROM THE CENTER LINE OF THE DEVICE.
3. ALL SINGLE GANG AND TWO GANG DEVICES SHALL USE A 4" SQ. BOX WITH EXTENSION RING.
4. ALL MULTI - GANG DEVICES SHALL USE A COMMON COVER PLATE
5. COLORS FOR ALL DEVICES (i.e. SWITCHES, RECEPTACLES, TELEPHONE OUTLETS, ETC.) AND THEIR COVERPLATES SHALL BE DETERMINED BY THE ARCHITECT. UNLESS NOTED OTHERWISE.
6. A.F.G. INDICATES MOUNTING HEIGHT ABOVE FINISHED GRADE.
7. A.F.F. INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR.
8. DO NOT INSTALL OUTLETS BACK TO BACK.
9. "PROVIDE" INDICATES THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL.
10. WHERE MORE THAN 3 CURRENT CARRYING CONDUCTORS ARE RAN IN A SINGLE CONDUIT, NEC SECTION 310.15 SHALL APPLY.

OVERALL ELECTRICAL GENERAL NOTES:

a. THE CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME FAMILIAR WITH THE EXTENT OF WORK REQUIRED TO COMPLETE THE JOB PRIOR TO BIDDING.

b. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH IN AND INSTALLATION.

c. ALL PRIMARY CONDUIT SHALL BE RUN AT 48" BELOW FINISHED GRADE. ALL SECONDARY AND EXTERIOR UNDERGROUND BRANCH CIRCUIT CONDUIT(S) SHALL BE RUN 36" BELOW FINISHED GRADE.

d. IN ALL MECHANICAL ROOMS, ALL CONDUIT AND BOXES ARE TO BE SURFACE MOUNTED.

e. THE CONTRACTOR SHALL PROVIDE WEATHER PROOF / FIRE SEAL AS REQUIRED ON ALL EXTERIOR WALL PENETRATIONS.

f. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO PROVIDE ANY NECESSARY COMPONENTS (i.e. BOOSTER PANELS) AND MAKE ALL THE NECESSARY CONNECTIONS FROM THE NEW FIRE ALARM DEVICES AND JUNCTION BOX TO THE EXISTING FIRE ALARM CONTROL PANEL IN THE EXISTING ADMIN BUILDING AND THE TO ENSURE A FULLY FUNCTIONAL CAMPUS WIDE SYSTEM.

g. ALL PHASING OF WORK SHALL BE SCHEDULED WITH THE OWNER AND ARCHITECT PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL SCHEDULE ALL OUTAGES WITH THE OWNER AT LEAST (14) DAYS IN ADVANCE AND ANY GIVEN OUTAGE SHALL NOT BE A DURATION IN EXCESS OF (8) HOURS.

h. CONTRACTOR SHALL COORDINATE ALL UNDERGROUND WORK WITH OTHER EXISTING/NEW UTILITIES TO AVOID CONFLICT.

i. WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO ICC/IBC/IECC 2018 AND NEC 2017.

ANY PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED PER THE NEC WITH UL LISTED FIRE STOPPING COMPOUND.

ALL RECEPTACLES SHALL BE TAMPER RESISTANT.

CONTRACTOR SHALL PROVIDE THE OWNER WITH RECORD DRAWINGS AND MANUALS THAT PROVIDE INSTRUCTION ABOUT THE OPERATION AND MAINTENANCE OF THE BUILDING'S ELECTRICAL DISTRIBUTION SYSTEM. REFER TO ASHRAE 90.1 8.7.

THIS PROJECT INVOLVES PANELBOARD BRANCH CIRCUITS WITH NO LABELING. CONTRACTOR SHALL TRACE AND IDENTIFY ALL CIRCUITS IN ALL PANELBOARDS. CONTRACTOR SHALL PROVIDE EXISTING LOAD INFORMATION TO ENGINEER OF RECORD PRIOR TO ANY NEW WORK BEING PERFORMED.

GENERAL DEMOLITION NOTES:

1. ALL SHOWN DEVICES AND ALL ASSOCIATED EQUIPMENT AND CONNECTIONS SHALL BE REMOVED UNLESS NOTED OTHERWISE.
2. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SECURING ALL DEVICES, FIXTURES, WIRES, CONDUIT, ETC. ABOVE CEILING PRIOR TO CEILING MODIFICATIONS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED TO SUCH MATERIALS DURING THIS PHASE.
3. ALL PENETRATIONS (NEW AND EXISTING) OF THE FIRE/SMOKE RATED BARRIERS SHALL BE FIRE STOPPED USING U.L. APPROVED METHODS AND MATERIALS.
4. COORDINATE ITEMS TO BE SALVAGED WITH THE OWNER PRIOR TO THE COMMENCEMENT OF WORK.
5. ALL UNUSED WALL BOXES (LEFT FROM SWITCHES REMOVED, THERMOSTATS, ETC.) SHALL BE COVERED WITH A BLANK PLATE (TO MATCH EXISTING).
6. ALL EXISTING PANELS ARE TO REMAIN (UNLESS OTHERWISE NOTED). THE ELECTRICAL CONTRACTOR SHALL VERIFY THE BREAKER SIZES, WIRE SIZES, AND PANEL LOADS IN THE FIELD. ALL PANELS ARE TO BE PERMANENTLY LABELED AND UPDATED, TYPED DIRECTORIES INSTALLED. ALL PANELS ARE TO BE PROPERLY GROUNDED PER THE NEC.
7. TERMINATED CIRCUITS THAT ARE NOT USED ON THE NEW WORK PLANS SHALL BE LABELED WITH THE SERVING PANEL AND CIRCUIT NUMBER CLEARLY MARKED ON THE TERMINATING JUNCTION BOX.
8. THE PHASING OF ALL WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS (GENERAL, MECHANICAL, PLUMBING, ETC.) PRIOR TO PROJECT COMMENCEMENT.
9. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL DEVICES, LIGHT FIXTURES, AND OTHER EQUIPMENT TO REMAIN ACTIVE. CIRCUITS ASSOCIATED WITH BOTH REMOVED ELECTRICAL WORK (FEEDING EXISTING LOADS) AND ELECTRICAL WORK TO REMAIN ARE TO BE EXTENDED WITH WIRE, CONDUIT, BOXES ETC. SIZED TO MATCH EXISTING.
10. THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
11. THE ELECTRICAL CONTRACTOR SHALL VERIFY OPERATION OF ALL DEVICES TO REMAIN INCLUDING BUT NOT LMITED TO LIGHTS, RECEPTACLES, SWITCHES, PANELBOARDS, AND DISCONNECT SWITCHES. ELECTRICAL CONTRACTOR MUST NOTIFY GENERAL CONTRACTOR IF ANY EQUIPMENT TO REMAIN IS NOT OPERATING PROPERLY.
12. REPAIR ALL UNUSED JUNCTION BOX KNOCKOUTS.
13. VERIFY THAT ALL DEVICES TO REMAIN ARE CONNECTED TO AN OPERABLE CIRCUIT FED FROM A PANELBOARD. IF DEVICE CIRCUIT IS NOT CONNECTED TO A PANELBOARD, NOTIFY THE GENERAL CONTRACTOR.
14. DEMOLISH ALL CIRCUITS FED FROM MC CABLE/FLEXIBLE CABLE WITH A LENGTH LONGER THAN 6FT FROM ANY DEVICE OR POINT OF ORIGIN.
15. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL EXISTING TO REMAIN ELECTRICAL INSTALLATION MEETS CURRENT NEC AND LOCAL CODES. REPORT ANY UNSATISFACTORY FINDINGS TO GENERAL CONTRACTOR.
16. DEMOLISH ALL LIGHTS AND RECEPTACLES IN THIS BUILDING, EVEN THOSE NOT SHOWN, UNLESS OTHERWISE NOTED. DEMOLISH ASSOCIATED CONDUIT AND WIRING BACK TO SERVING PANELBOARD UNLESS OTHERWISE NOTED.

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PROJECT ISSUES:

CONCEPT SKETCHES	2025-05-05
SCHEMATIC DESIGN	2026-04-10
REVISED PLAN	2026-05-18
DESIGN DEVELOPMENT	2026-06-26
CONSTRUCTION DOCUMENTS	2026-09-15

PROJECT TEAM:

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PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL LEGEND

SHEET NUMBER:
E001

PRINT DATE:

DO NOT SCALE DRAWINGS

CONSTRUCTION DOCUMENTS

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ELECTRICAL SPECIFICATIONS:

1. ALL MATERIALS AND ELECTRICAL WORK SHALL BE IN CONFORMANCE WITH ALL APPLICABLE CODES AND INDUSTRY STANDARDS. WHERE DIFFERENCES EXIST BETWEEN BUILDING CODES, SPECIFICATIONS, STATE LAWS, LOCAL ORDINANCES, AND REGULATIONS AND THE CONTRACT DOCUMENTS, THE MOST STRINGENT SHALL GOVERN. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT IN WRITING OF SUCH DIFFERENCES. NON-COMPLIANCE: SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE BUILDING CODES, STATE LAWS, LOCAL ORDINANCES, INDUSTRY STANDARDS, AND UTILITY COMPANY REGULATIONS, HE/SHE SHALL BEAR ALL COSTS ARISING FROM CORRECTING THE DEFICIENCIES. THE FOLLOWING CODES SHALL APPLY:

   NFPA 70 - NATIONAL ELECTRICAL CODE
   NFPA 72 - NATIONAL FIRE ALARM CODE
   NFPA 90A - STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS
   NFPA 101 - LIFE SAFETY CODE
   FLORIDA BUILDING CODE
   FLORIDA ENERGY CONSERVATION CODE

2. ALL MATERIALS SHALL BE NEW AND UL LISTED FOR THE APPLICATION.

3. ALL WIRING SHALL BE COPPER CONDUCTORS WITH TYPE THHN/THWN INSULATION FOR GENERAL USE. PROVIDE INDIVIDUAL NEUTRAL CONDUCTORS FOR ALL SINGLE-POLE BRANCH CIRCUITS. TIED BREAKER HANDLES ARE NOT ACCEPTABLE. CONDUCTORS #12 THROUGH #10 SHALL BE SOLID, #8 AND LARGER SHALL BE STRANDED. MINIMUM BRANCH CIRCUIT CONDUCTOR SIZE SHALL BE #12.

4. ALL CONDUCTORS SHALL BE RAN IN RIGID CONDUIT. CONDUITS RUN CONCEALED IN THE HOLLOW SPACE OF NON-MASONRY WALLS OR ABOVE SUSPENDED CEILINGS SHALL BE EMT. CONDUITS INSTALLED CONCEALED IN EARTH FILL, CONCRETE, OR, SOLID MASONRY STRUCTURES SHALL BE PVC 40. PVC SHALL NOT BE INSTALLED IN ANY EXPOSED LOCATIONS. ALL EXPOSED EXTERIOR CONDUITS SHALL BE GRS. ANY GRS INSTALLED BELOW GRADE SHALL 2 COATS OF BITUMASTIC APPLIED PRIOR TO INSTALLATION. FLEX IS NOT PERMITTED. EXPOSED CONDUITS SHALL BE RUN AT RIGHT ANGLES TO OR PARALLEL WITH BUILDING LINES AND EXPOSED STRUCTURE. IN ALL CASES, CONDUIT RUNS SHALL BE GROUPED TOGETHER WHERE POSSIBLE AND SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, NOT FOR ANY SUSPENDED CEILING SUPPORT SYSTEM.

5. CONDUITS USED FOR CONNECTION TO RECESSED LIGHTING FIXTURES SHALL BE FLEX OR M/C CABLE NOT OVER 6 FEET IN TOTAL LENGTH. CONDUITS FOR CONNECTION TO MOTORS OR VIBRATING EQUIPMENT SHALL BE LIQUID FLEX NOT LESS THAN 18" LONG AND NOT OVER 60" LONG.

6. WHEREVER CONDUITS PASS THROUGH FLOORS OR FIRE RATED PARTITIONS, SLEEVES SHALL BE INSTALLED. SLEEVES SHALL BE GROUTED IN PLACE IN THE SUPPORTING WALL OR FLOOR. THE SPACE BETWEEN THE SLEEVE AND CONDUIT SHALL BE PACKED WITH AN APPROVED, NONCOMBUSTIBLE, FIRE STOPPING MATERIAL. ALL NEW HOLES SHALL BE CORE DRILLED. NO CHOPPING SHALL BE PERMITTED, EXCEPT AS APPROVED BY THE ARCHITECT.

7. SPLICES IN CIRCUITS SHALL BE TWISTED AND MADE MECHANICALLY TIGHT. SECURE WITH SCOTCHLOCK OR PIGTAIL CONNECTORS. CRIMP TYPE CONNECTORS SHALL NOT BE USED.

8. WIRING DEVICES SHALL BE OF THE SPECIFICATION GRADE UNLESS OTHERWISE SPECIFIED. ALL DEVICES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.

9. PULL BOXES, JUNCTION BOXES AND OUTLET BOXES SHALL BE MANUFACTURED FROM GALVANIZED INDUSTRY STANDARD GAUGE SHEET STEEL.

10. PHASE LEGS OF PANELS SHALL BE BALANCED. ANY PANEL FOUND WITH MORE THAN 10% UNBALANCED LOADS SHALL HAVE ITS CIRCUITS REARRANGED AS REQUIRED TO BALANCE PHASE LEGS.

11. THE SHORT CIRCUIT RATING OF A PANEL SHALL APPLY TO ALL BRANCH DEVICES. SERIES CONNECTED SHORT CIRCUIT RATING OF BRANCH DEVICES WILL NOT BE ACCEPTED.

12. PROVIDE TYPED PANELBOARD SCHEDULES IN ALL PANELBOARDS.

13. LIGHTING FIXTURES SHALL BE INSTALLED PLUMB, SQUARE, AND LEVEL WITH THE CEILING, WALL, AND IN ALIGNMENT WITH ADJACENT LIGHTING FIXTURES. MOUNTING HEIGHTS INDICATED SHALL BE TO THE BOTTOM OF THE FIXTURE FOR CEILING-MOUNTED FIXTURES AND TO CENTER OF FIXTURE FOR WALL-MOUNTED FIXTURES. LAY-IN TROFFER FIXTURES SHALL BE SUPPORTED WITH A MINIMUM OF 4 CEILING SUPPORT WIRES PER FIXTURE AND NOT MORE THAN 6 INCHES FROM EACH CORNER OF THE FIXTURE. FOR FIXTURES SMALLER IN SIZE THAN THE CEILING GRID, PROVIDE A MINIMUM OF FOUR WIRES PER FIXTURE. DO NOT SUPPORT FIXTURES BY CEILING ACOUSTICAL PANELS. ALL CONCEALED FIXTURE MOUNTING ACCESSORIES SHALL BE SECURELY TIED TO STRUCTURE. FLEXIBLE CONNECTIONS TO FIXTURES SHALL NOT EXCEED 6 FEET IN LENGTH. FIXTURES SHALL BE SOLIDLY GROUNDED TO RACEWAY SYSTEM.

14. PROVIDE MECHANICALLY FASTENED PHENOLIC LABELS ON ALL ELECTRICAL PANELBOARDS AND MECHANICAL DISCONNECTS. NAMEPLATES SHALL BE FRONT COVER MOUNTED, MECHANICALLY FASTENED, CONTAIN A PERMANENT RECORD OF SWITCH TYPE, AMPERE RATING, AND MAXIMUM VOLTAGE RATING.

15. THE CONTRACTOR SHALL FURNISH AND INSTALL THE LOW-VOLTAGE FUSED AND NON-FUSED SWITCHES AS SPECIFIED HEREIN AND AS SHOWN ON THE CONTRACT DRAWINGS. SAFETY SWITCHES SHALL BE HEAVY DUTY WITH COPPER/ALUMINUM STANDARD MECHANICAL LUGS. SWITCH BLADES AND JAWS SHALL BE PLATED COPPER. SWITCHES SHALL HAVE A HANDLE THAT IS EASILY PAD-LOCKABLE IN THE OFF POSITION. SWITCHES SHALL HAVE DEFEATABLE DOOR INTERLOCKS THAT PREVENT THE DOOR FROM OPENING WHEN THE HANDLE IS IN THE ON POSITION. SWITCH ASSEMBLY AND OPERATING HANDLE SHALL BE AN INTEGRAL PART OF THE ENCLOSURE BASE. SWITCHES RATED 100A TO 600A SHALL HAVE REINFORCED FUSE CLIPS. SWITCH BLADES SHALL BE READILY VISIBLE IN THE OFF POSITION. SWITCH OPERATING MECHANISM SHALL BE NON-TEASIBLE, POSITIVE QUICK-MAKE/QUICK-BREAK TYPE.

16. THE PANELBOARDS AND ALL COMPONENTS SHALL BE DESIGNED, MANUFACTURED AND TESTED IN ACCORDANCE WITH THE LATEST APPLICABLE STANDARDS OF NEMA AND UL. MAIN BUS BARS SHALL BE PLATED COPPER SIZED IN ACCORDANCE WITH UL STANDARDS TO LIMIT TEMPERATURE RISE ON ANY CURRENT CARRYING PART TO A MAXIMUM OF 65 DEGREES C ABOVE AN AMBIENT OF 40 DEGREES C MAXIMUM. A BOLTED GROUND BUS AND A FULL-SIZE (100%-RATED) INSULATED NEUTRAL BAR SHALL BE INCLUDED IN ALL PANELS. MOLDED CASE CIRCUIT BREAKERS SHALL PROVIDE CIRCUIT OVERCURRENT PROTECTION WITH INVERSE TIME AND INSTANTANEOUS TRIPPING CHARACTERISTICS. CIRCUIT BREAKERS SHALL BE OPERATED BY A TOGGLE-TYPE HANDLE AND SHALL HAVE A QUICK-MAKE, QUICK-BREAK OVER-CENTER SWITCHING MECHANISM THAT IS MECHANICALLY TRIP-FREE. PROVIDE AN ENGRAVED NAMEPLATE FOR EACH PANEL SECTION INDICATING THE PANEL DESIGNATION AND THE PANEL IT IS FED FROM (IF APPLICABLE).

FIRE ALARM SYSTEM SPECIFICATIONS:

1. PROVIDE A COMPLETE, OPERABLE, ADDRESSABLE, FIRE ALARM SYSTEM INCLUDING FIRE ALARM CONTROL PANEL, REMOTE ANNUNCIATOR WHERE INDICATED, INITIATING DEVICES, NOTIFICATION APPLIANCES, ADDRESSABLE MODULES, REMOTE POWER SUPPLIES, BATTERIES, WIRING, PROGRAMMING, MONITORING CONNECTIONS, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE SYSTEM.

2. THE FIRE ALARM SYSTEM SHALL COMPLY WITH THE CONTRACT DOCUMENTS, APPLICABLE FLORIDA BUILDING AND FIRE PREVENTION CODES, NFPA 70, NFPA 72, NFPA 101, ACCESSIBILITY REQUIREMENTS, REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION, AND THE LISTING AND INSTALLATION REQUIREMENTS OF THE EQUIPMENT MANUFACTURER. WHERE REQUIREMENTS CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

3. ALL EQUIPMENT SHALL BE NEW, UL LISTED FOR FIRE ALARM SERVICE, AND LISTED FOR USE TOGETHER AS A COMPLETE SYSTEM. FIRE ALARM CONTROL EQUIPMENT AND ASSOCIATED SYSTEM DEVICES SHALL BE PROVIDED BY A SINGLE MANUFACTURER. EQUIPMENT CONNECTED TO AN EXISTING SYSTEM SHALL BE LISTED AS COMPATIBLE WITH THE EXISTING EQUIPMENT.

4. FIRE ALARM WORK SHALL BE PERFORMED BY PROPERLY LICENSED AND QUALIFIED PERSONNEL IN ACCORDANCE WITH NFPA 72. SHOP DRAWINGS SHALL BE PREPARED UNDER THE SUPERVISION OF A NICET LEVEL III FIRE ALARM TECHNICIAN OR OTHER QUALIFIED DESIGNER ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

5. SUBMIT COMPLETE SHOP DRAWINGS AND PRODUCT DATA PRIOR TO INSTALLATION. SUBMITTALS SHALL INCLUDE DEVICE LOCATIONS, SYSTEM RISER, POINT-TO-POINT WIRING, EQUIPMENT LOCATIONS, CIRCUIT IDENTIFICATION, SEQUENCE OF OPERATION, BATTERY CALCULATIONS, NOTIFICATION APPLIANCE CIRCUIT VOLTAGE-DROP CALCULATIONS, CIRCUIT LOADING, APPLIANCE SETTINGS, AND ALL INFORMATION REQUIRED FOR PERMITTING AND SYSTEM APPROVAL.

6. VERIFY THE EXACT NUMBER AND LOCATION OF DEVICES FROM THE FIRE ALARM FLOOR PLANS. RISER DIAGRAMS ARE DIAGRAMMATIC AND SHALL NOT BE USED TO DETERMINE FINAL DEVICE QUANTITIES.

7. PROVIDE HORNS, HORN/STROBES, AND STROBES IN CORRIDORS, COMMON AREAS, OFFICES, SUPPORT SPACES, AND OTHER NON-SLEEPING AREAS AS INDICATED ON THE DRAWINGS. PROVIDE AUDIBLE AND VISIBLE NOTIFICATION IN ACCORDANCE WITH NFPA 72, APPLICABLE ACCESSIBILITY REQUIREMENTS, AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. ALL VISIBLE NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED.

8. PROVIDE SYSTEM-CONNECTED SMOKE DETECTORS AND LISTED 520-HZ LOW-FREQUENCY MINI-HORNS IN SLEEPING ROOMS AS INDICATED ON THE DRAWINGS. MINI-HORNS SHALL BE CONNECTED TO AND SUPERVISED BY THE FIRE ALARM SYSTEM NOTIFICATION APPLIANCE CIRCUITS. PROVIDE VISIBLE NOTIFICATION IN ACCESSIBLE SLEEPING ROOMS WHERE REQUIRED BY CODE.

9. SIGNALING LINE CIRCUITS AND NOTIFICATION APPLIANCE CIRCUITS ARE SHOWN DIAGRAMMATICALLY. PROVIDE ADDITIONAL SLC LOOPS, NAC CIRCUITS, ISOLATION MODULES, REMOTE POWER SUPPLIES, NAC EXPANDERS, CONTROL MODULES, AND OTHER EQUIPMENT REQUIRED TO COMPLY WITH THE MANUFACTURER'S LISTED CIRCUIT LIMITATIONS, VOLTAGE-DROP REQUIREMENTS, AND SYSTEM CAPACITY REQUIREMENTS.

10. PROVIDE A LISTED SURGE PROTECTIVE DEVICE ON EACH 120-VOLT BRANCH CIRCUIT SERVING THE FIRE ALARM CONTROL PANEL, REMOTE POWER SUPPLY, NAC EXPANDER, AND OTHER FIRE ALARM CONTROL EQUIPMENT. PROVIDE LISTED LOW-VOLTAGE SURGE PROTECTIVE DEVICES ON ALL SLC AND NAC CIRCUITS AT THEIR CONNECTION TO THE ASSOCIATED CONTROL PANEL OR POWER SUPPLY. SURGE PROTECTIVE DEVICES SHALL BE COMPATIBLE WITH THE FIRE ALARM SYSTEM, INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, AND SHALL NOT INTERFERE WITH CIRCUIT SUPERVISION, SIGNALING, OR REQUIRED NOTIFICATION-APPLIANCE VOLTAGE.

11. BATTERY CABINETS, REMOTE POWER SUPPLIES, AND NAC EXPANDERS SHALL BE LOCATED BELOW OR ADJACENT TO THE FIRE ALARM CONTROL PANEL UNLESS OTHERWISE APPROVED. EQUIPMENT SHALL REMAIN READILY ACCESSIBLE FOR INSPECTION, TESTING, AND SERVICE.

12. ALL FIRE ALARM WIRING SHALL BE NEW, LISTED FOR THE APPLICATION, AND INSTALLED IN RACEWAY. INSTALL WIRING IN ACCORDANCE WITH NFPA 70, ARTICLE 760, NFPA 72, AND THE EQUIPMENT MANUFACTURER'S REQUIREMENTS. FIRE ALARM CIRCUITS SHALL BE SEPARATED FROM POWER AND CLASS 1 CIRCUITS AS REQUIRED. SIZE CONDUCTORS TO COMPLY WITH MANUFACTURER REQUIREMENTS AND APPROVED VOLTAGE-DROP CALCULATIONS.

13. FIRE ALARM CONDUCTORS SHALL BE CONTINUOUS BETWEEN LISTED DEVICES, MODULES, TERMINAL CABINETS, AND CONTROL EQUIPMENT. SPLICING OF FIRE ALARM CONDUCTORS IS PROHIBITED. ALL TERMINATIONS SHALL BE IDENTIFIED AND MADE AT ACCESSIBLE LOCATIONS.

14. PROVIDE A SEPARATE, DEDICATED BRANCH CIRCUIT FOR EACH FIRE ALARM CONTROL PANEL AND REMOTE POWER SUPPLY. IDENTIFY AND PROTECT THE CIRCUIT DISCONNECTING MEANS AGAINST UNAUTHORIZED OPERATION IN ACCORDANCE WITH NFPA 70. LABEL THE CIRCUIT "FIRE ALARM."

15. PROVIDE ADDRESSABLE MONITORING AND CONTROL MODULES REQUIRED FOR SPRINKLER WATERFLOW SWITCHES, VALVE SUPERVISORY SWITCHES, DUCT SMOKE DETECTORS, HVAC SHUTDOWN, FIRE OR SMOKE DAMPERS, DOOR RELEASES, AND OTHER FIRE ALARM INTERFACES SHOWN ON THE DRAWINGS. COORDINATE CONNECTIONS, VOLTAGES, CONTACT RATINGS, AND SEQUENCE OF OPERATION WITH THE ASSOCIATED TRADES.

16. THE FIRE ALARM SYSTEM SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. AUTOMATIC TRANSMISSION EQUIPMENT SHALL NOT BE CONNECTED DIRECTLY TO A FIRE DEPARTMENT TELEPHONE NUMBER UNLESS SPECIFICALLY APPROVED BY THE FIRE CHIEF.

17. PROVIDE SECONDARY BATTERY CAPACITY SUFFICIENT TO OPERATE THE COMPLETE SYSTEM FOR A MINIMUM OF 24 HOURS UNDER NORMAL STANDBY CONDITIONS FOLLOWED BY 5 MINUTES WITH ALL REQUIRED ALARM LOADS OPERATING.

18.

19. UPON COMPLETION, PERFORM COMPLETE ACCEPTANCE TESTING OF ALL INITIATING DEVICES, NOTIFICATION APPLIANCES, CIRCUITS, SUPERVISORY DEVICES, CONTROL FUNCTIONS, MONITORING CONNECTIONS, AND SYSTEM INTERFACES IN ACCORDANCE WITH NFPA 72. COORDINATE TESTING WITH THE OWNER, AUTHORITY HAVING JURISDICTION, AND SUPERVISING STATION.

20. PROVIDE THE OWNER WITH THE COMPLETED NFPA 72 RECORD OF COMPLETION, ACCEPTANCE-TEST DOCUMENTATION, APPROVED SHOP DRAWINGS, RECORD DRAWINGS, EQUIPMENT DATA, OPERATING INSTRUCTIONS, FINAL SEQUENCE OF OPERATION, SYSTEM PROGRAMMING FILES, AND REQUIRED TRAINING.

21. WARRANTY THE COMPLETE FIRE ALARM SYSTEM, INCLUDING LABOR, MATERIALS, EQUIPMENT, AND PROGRAMMING, FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE.

LIGHTING FIXTURE SCHEDULE

- LIGHTING MANUFACTURERS OTHER THAN THOSE LISTED IN THIS SCHEDULE SHALL SUBMIT PRIOR APPROVAL NO LESS THAN 10 DAYS PRIOR TO BID. NO FIXTURES WILL BE REVIEWED AFTER THE 10 DAY DEADLINE, NO EXCEPTIONS. MANUFACTURERS NOT APPROVED PRIOR TO BID SHALL NOT BE SUBMITTED FOR CONSTRUCTION.
- THE LIGHTING PACKAGE SUBMITTED FOR CONSTRUCTION SHALL MEET OR EXCEED THE LIGHTING SPECIFICATIONS AND FIXTURE SCHEDULE, AND COMPLY WITH THE DESIGN AND FUNCTIONALITY REQUIREMENTS SHOWN ON THE LIGHTING PLANS, NO EXCEPTIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THEIR LIGHTING PACKAGE IS EQUAL TO THE SPECIFICATIONS AND PLANS PRIOR TO BIDDING. ANY FIXTURE PACKAGE SUBMITTED FOR REVIEW DURING THE CONSTRUCTION PHASE THAT IS NOT EQUAL TO THE SPECIFICATIONS AND PLANS WILL BE REJECTED. THE ACCEPTANCE OF AN EQUAL PACKAGE SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT AND ENGINEER. ANY ADDITIONAL COSTS INCURRED BY BRINGING AN INFERIOR LIGHTING PACKAGE UP TO THE STANDARDS OF THE SPECIFICATIONS AND PLANS DUE TO LACK OF QUALITY AND/OR FUNCTION OF DESIGN SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND HIS/HER LIGHTING SUPPLER. THESE REQUIREMENTS SHALL ALSO BE INCLUSIVE OF ALL LIGHTING CONTROL SYSTEMS.

MARK	LAMPS #	LAMPS WATTS	LAMPS TYPE	MOUNTING	MANUFACTURER AND CATALOG NUMBER	NOTES
EX	FURN-ISHED W/ FIXTURE	4.2W	LED	UNIVERSAL	ISOLITE RL-EM-R-U-WH-MTEB-SD (SEE PLANS FOR FACING)	SEE PLANS FOR FACING
EM	FURN-ISHED W/ FIXTURE	6W	LED	WALL 8'0" AFG	ISOLITE BUG-6W-WH-MB-SD	
LT24A LT24AE	FURN-ISHED W/ FIXTURE	32W	LED	CEILING	H.E. WILLIAMS LT-24-L40-835-AF-DIM-UNV H.E. WILLIAMS LT-24-L40-835-AF-DIM-UNV-EM10W	
LT24B LT24BE	FURN-ISHED W/ FIXTURE	37.2W	LED	CEILING	H.E. WILLIAMS LT-24-L52-835-AF-DIM-UNV H.E. WILLIAMS LT-24-L52-835-AF-DIM-UNV-EM10W	
LT24C LT24CE	FURN-ISHED W/ FIXTURE	49W	LED	CEILING	H.E. WILLIAMS LT-24-L64-835-AF-DIM-UNV H.E. WILLIAMS LT-24-L64-835-AF-DIM-UNV-EM10W	
LT22A LT22AE	FURN-ISHED W/ FIXTURE	21W	LED	CEILING	H.E. WILLIAMS LT-22-L27-835-AF-DIM-UNV H.E. WILLIAMS LT-22-L27-835-AF-DIM-UNV-EM10W	
LT22B LT22BE	FURN-ISHED W/ FIXTURE	33W	LED	CEILING	H.E. WILLIAMS LT-22-L39-835-AF-DIM-UNV H.E. WILLIAMS LT-22-L39-835-AF-DIM-UNV-EM10W	
WL	FURN-ISHED W/ FIXTURE	14W	LED	WALL	H.E. WILLIAMS 4CSDI-L12-80-35-UNV-U/D-OPTIONS	
CL	FURN-ISHED W/ FIXTURE	10.7W	LED	CAFE CEILING	H.E. WILLIAMS 4CR-08-L9-80-35-COLOR-DIM-UNV-L-M-CS-SM	

MARK	LAMPS #	LAMPS WATTS	LAMPS TYPE	MOUNTING	MANUFACTURER AND CATALOG NUMBER	NOTES
LT22C LT22CE	FURN-ISHED W/ FIXTURE	38W	LED	CEILING	H.E. WILLIAMS LT-22-L49-835-AF-DIM-UNV H.E. WILLIAMS LT-22-L49-835-AF-DIM-UNV-EM10W	
LR8	FURN-ISHED W/ FIXTURE	74W	LED	CEILING	FINELITE HP-4-R-8'-835-F-96L-277-SC-FC-10	
LDO	FURN-ISHED W/ FIXTURE	11W	LED	CEILING	H.E. WILLIAMS 2DR-L9-840-DIM1-UNV-RW-OF-CS-AD-WET/CC-N-F1	
LDO4	FURN-ISHED W/ FIXTURE	13.7W	LED	CEILING	H.E. WILLIAMS 4DR-L15-840-DIM1-UNV-RW-OF-CS-AD-WET/CC-N-F1	
LD2	FURN-ISHED W/ FIXTURE	11W	LED	CEILING	H.E. WILLIAMS 2DR-L9-835-DIM-UNV-OW-OF-WH-N-F1	
LD8	FURN-ISHED W/ FIXTURE	9.6W	LED	CEILING	H.E. WILLIAMS 8DR-L10-835-DIM-UNV-OW-WH-N-F1	
LS4	FURN-ISHED W/ FIXTURE	20.3W	LED	CEILING	H.E. WILLIAMS 76R-4-L30-840-DIM-UNV	
EL	FURN-ISHED W/ FIXTURE	31W	LED	PIT LIGHT	H.E. WILLIAMS 96-2-L40-80-35-SFPC-EM10W-WET-DRV-UNV	

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PROJECT ISSUES:

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PROJECT TEAM:

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STRUCTURAL ENGINEER
AMI CONSULTING LLC
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PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL LEGEND

SHEET NUMBER:
E002

CONSTRUCTION DOCUMENTS

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PRINT DATE:

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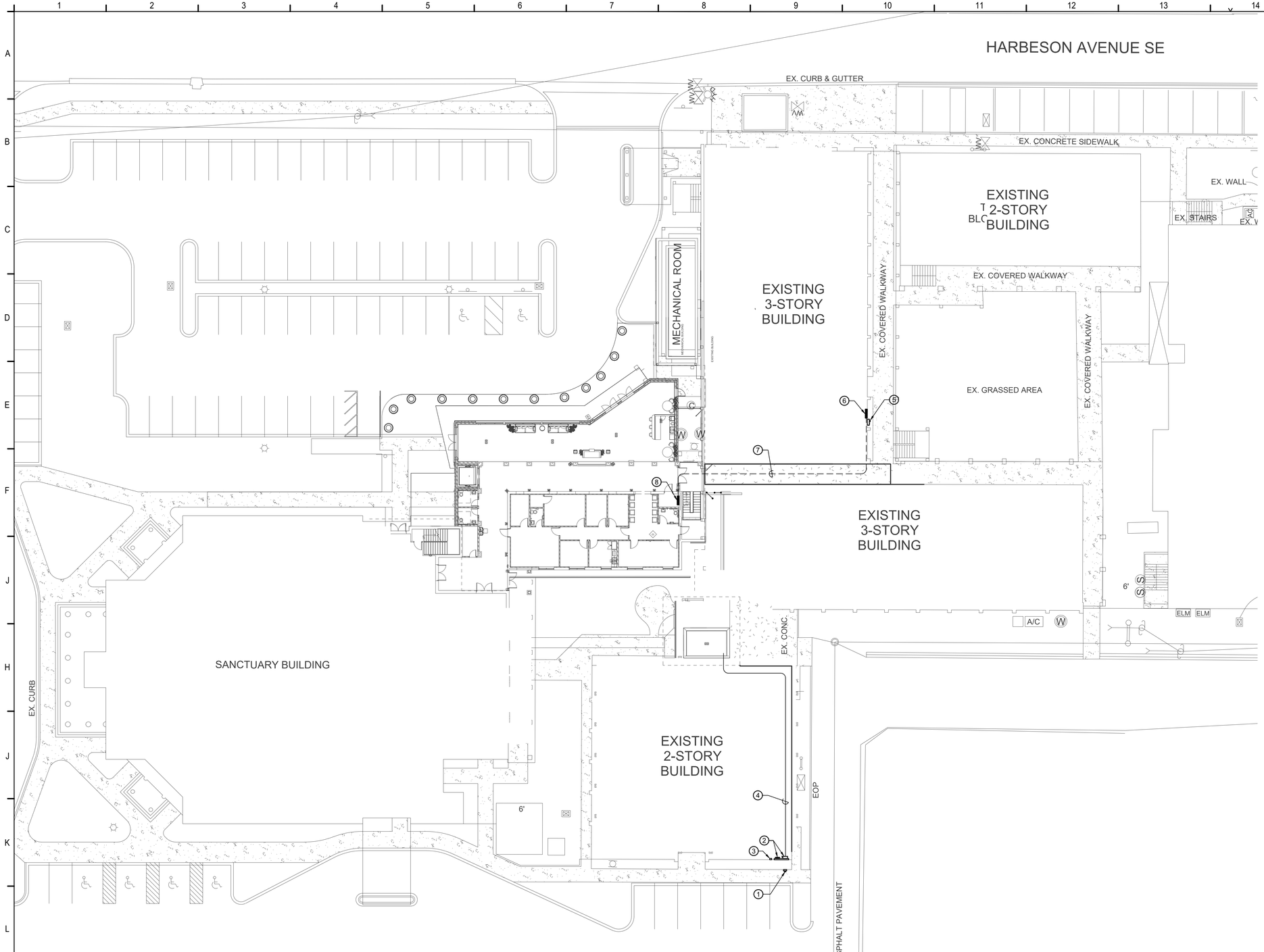

1 ES-100 ELECTRICAL SITE PLAN

GENERAL SHEET NOTES

SHEET KEYNOTES

1. EXISTING METER FOR BLDG E.
2. EXISTING BLDG E MAIN SERVICE DISCONNECT, SERVICE WIREWAY, AND PANELBOARD. FIELD VERIFY EXACT LOCATIONS. SEE SINGLE LINE FOR ADDITIONAL INFORMATION AND PANEL SCHEDULE.
3. PROVIDE NEW ENCLOSED BREAKER (ECB) TO SERVICE NEW BLDG E ELEVATOR, SEE SINGLE LINE FOR REQUIREMENTS.
4. PROVIDE NEW CIRCUIT FROM NEW ECB TO NEW BLDG E ELEVATOR EQUIPMENT. ROUTE THROUGH BUILDING AS REQUIRED, COORDINATE WITH SITE CONDITIONS, PROVIDE ALL PULL BOXES AS REQUIRED.
5. EXISTING METER FOR MAIN SWITCHBOARD FEEDING OFFICE BUILDING.
6. EXISTING MAIN SWITCHBOARD FEEDING OFFICE BUILDING LOCATED IN BASEMENT.
7. EXISTING FEEDER FOR OFFICE BUILDING. ROUTING IS SHOWN APPROXIMATE. RE-USE CONDUIT IF SIZE IS APPROPRIATE FOR NEW 225A FEEDER. PROVIDE NEW CONDUIT/WIRE BETWEEN EXISTING SWITCHBOARD AND NEW PANELBOARD AS REQUIRED.
8. PROVIDE NEW MAIN PANELBOARD FOR OFFICE BUILDING.

CONTRACTOR SHALL ENSURE THE TOTAL VOLTAGE DROP MEASURED AT THE LAST DEVICE OF EACH BRANCH CIRCUIT OF EACH PANELBOARD DOES NOT EXCEED 5% OF THE SERVICE VOLTAGE. CONTRACTOR SHALL MAKE MODIFICATIONS TO CONDUCTOR SIZES AS REQUIRED.

GRAPHIC SCALE(S)

1" = 20'-0" 0 20 40

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CONSTRUCTION DOCUMENTS	2026-09-15

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ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL SITE PLAN

SHEET NUMBER:
ES100

CONSTRUCTION DOCUMENTS

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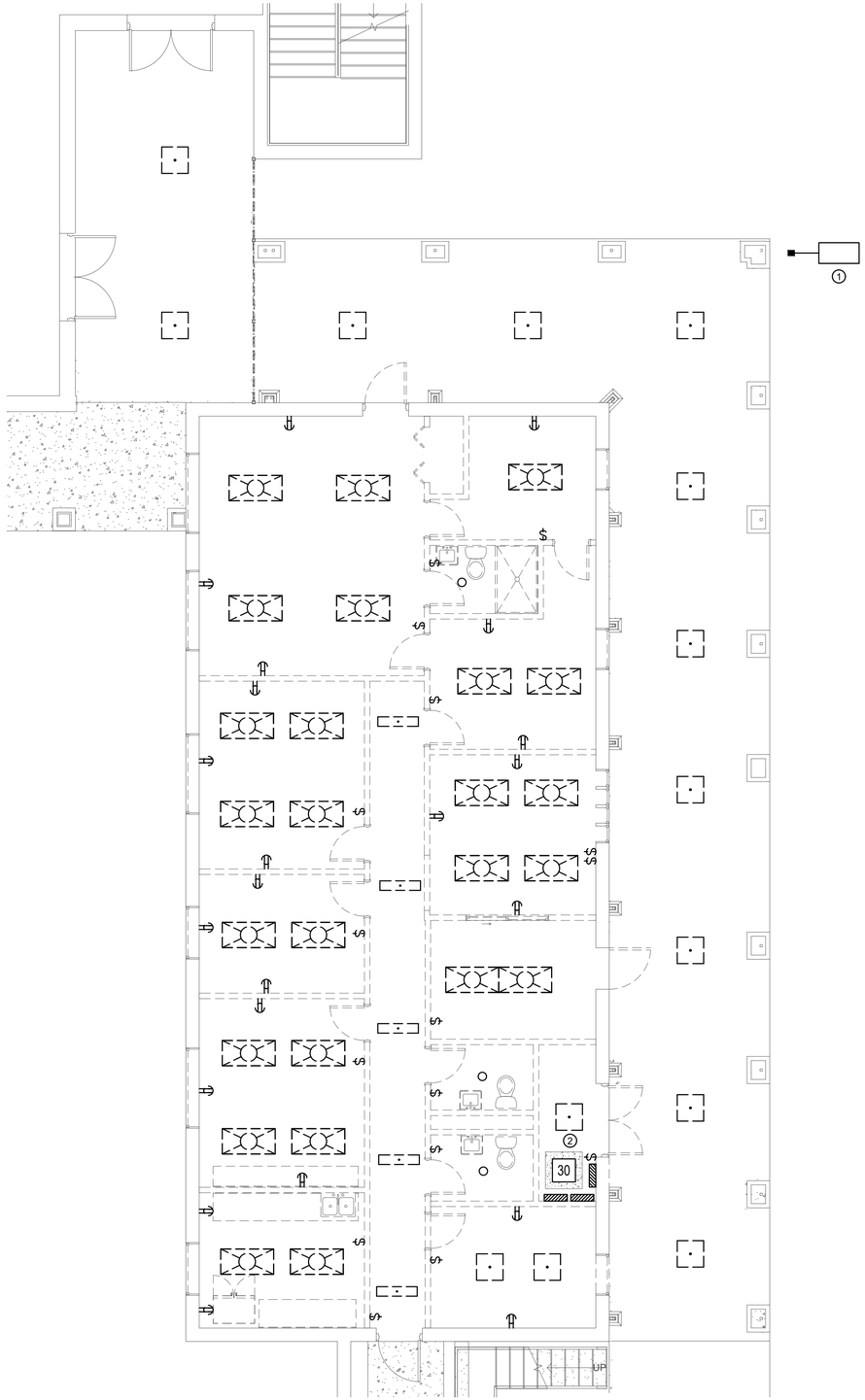

1 ED-101 ELECTRICAL DEMOLITION PLAN - 1ST FLOOR

GENERAL SHEET NOTES

1. SEE GENERAL DEMOLITION NOTES SHEET E001.
2. DEMOLISH ALL EXISTING DEVICES IN THIS BUILDING, EVEN THOSE NOT SHOWN.
3. DEVICES TO BE DEMOLISHED SHALL HAVE ASSOCIATED CONDUIT AND WIRE DEMOLISHED TO SERVING PANELBOARD.

SHEET KEYNOTES

1. DEMOLISH PARKING LOT LIGHT FIXTURE AND POLE INSIDE NEW BUILDING FOOTPRINT. EXTEND CIRCUIT TO MAINTAIN CIRCUIT CONTINUITY OUTSIDE OF NEW BUILDING FOOTPRINT.
2. DEMOLISH EXISTING ELECTRICAL EQUIPMENT IN THIS ROOM INCLUDING PANELBOARDS AND TRANSFORMER. MAINTAIN FEEDER CONDUIT FOR RE-USE IN NEW WORK PHASE.

PLAN NORTH

GRAPHIC SCALE(S)

3/16" = 1'-0" 0 4' 8'

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ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL DEMOLITION PLAN - 1ST FLOOR

SHEET NUMBER:
ED101

CONSTRUCTION DOCUMENTS

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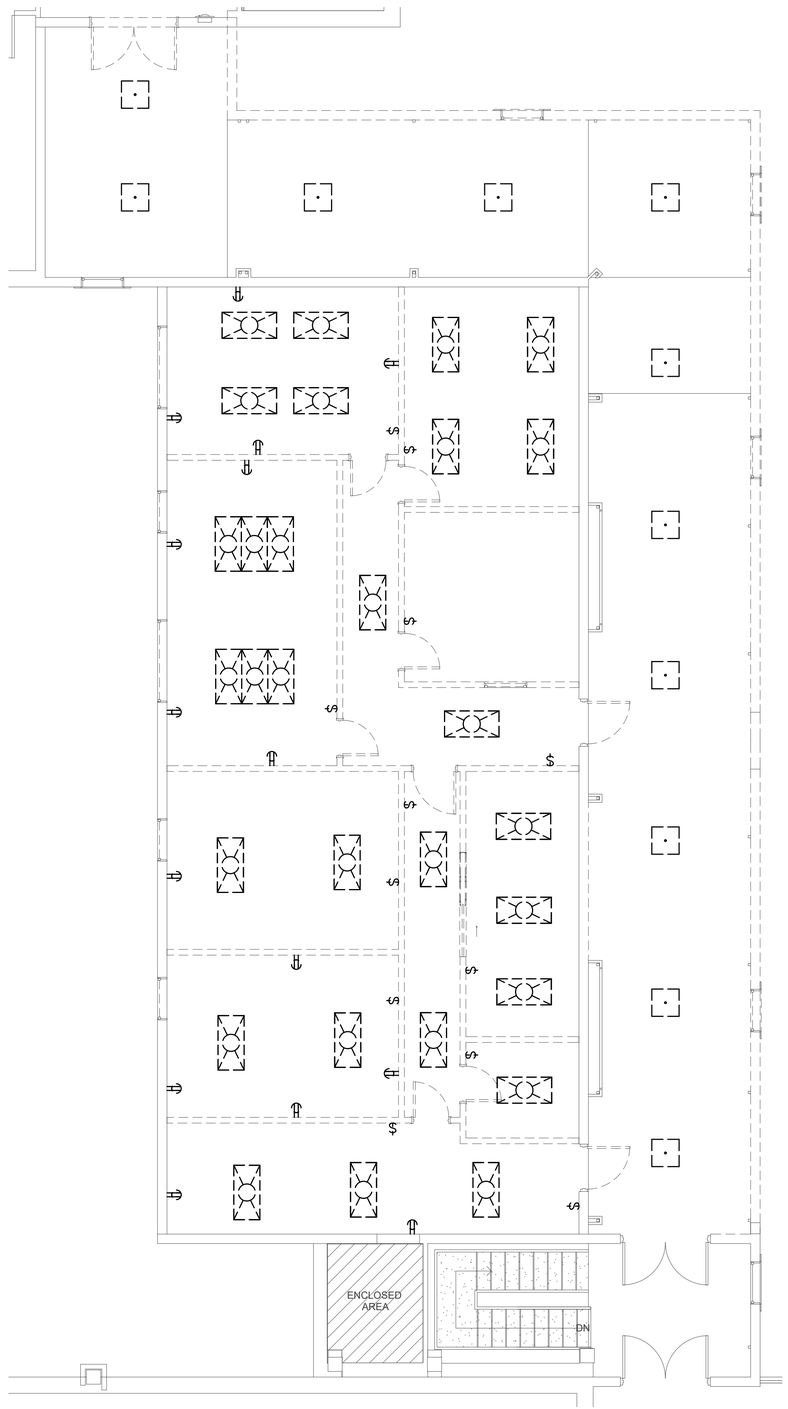

1
ED-102
ELECTRICAL DEMOLITION PLAN - 2ND FLOOR

GENERAL SHEET NOTES

1. SEE GENERAL DEMOLITION NOTES SHEET E001.
2. DEMOLISH ALL EXISTING DEVICES IN THIS BUILDING, EVEN THOSE NOT SHOWN.
3. DEVICES TO BE DEMOLISHED SHALL HAVE ASSOCIATED CONDUIT AND WIRE DEMOLISHED TO SERVING PANELBOARD.

SHEET KEYNOTES

PLAN NORTH

GRAPHIC SCALE(S)

3/16" = 1'-0" 0 4' 8'

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ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL DEMOLITION PLAN - 2ND FLOOR

SHEET NUMBER:
ED102

PRINT DATE:

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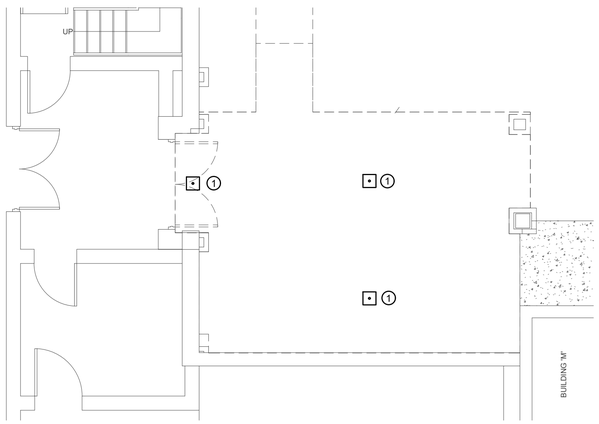
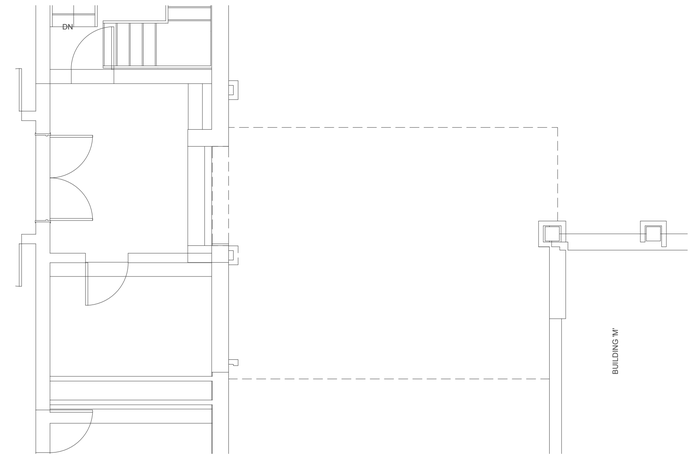
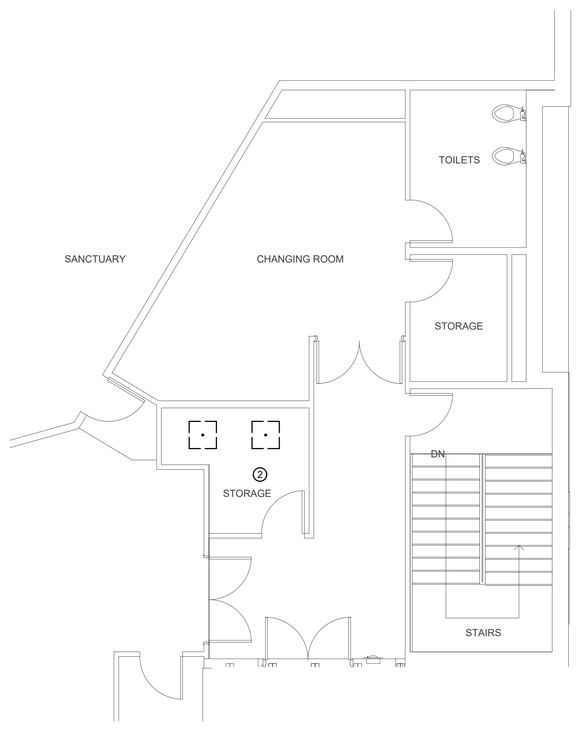


1 ED-103 ELECTRICAL DEMOLITION PLAN - BLDG E 1ST FLOOR



2 ED-103 ELECTRICAL DEMOLITION PLAN - BLDG E 2ND FLOOR



3 ED-103 ELECTRICAL DEMOLITION PLAN - SANCTUARY 2ND FLOOR

GENERAL SHEET NOTES

1. SEE GENERAL DEMOLITION NOTES SHEET E001.
2. DEVICES TO BE DEMOLISHED SHALL HAVE ASSOCIATED CONDUIT AND WIRE DEMOLISHED TO SERVING PANELBOARD.

SHEET KEYNOTES

1. DEMOLISH LIGHT FIXTURE. RECONFIGURE CIRCUIT TO MAINTAIN CONTINUITY TO OTHER DEVICES.
2. DEMOLISH LIGHT FIXTURES IN THIS ROOM. RECONFIGURE CIRCUIT TO MAINTAIN CONTINUITY TO OTHER DEVICES. MAINTAIN CIRCUIT FOR LIGHTS IN NEW WORK PHASE.

PLAN NORTH

GRAPHIC SCALE(S)

3/16" = 1'-0" 0 4' 8'

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JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL DEMOLITION PLAN - FELLOWSHIP HALL & SANCTUARY

SHEET NUMBER:
ED103

CONSTRUCTION DOCUMENTS

PRINT DATE:

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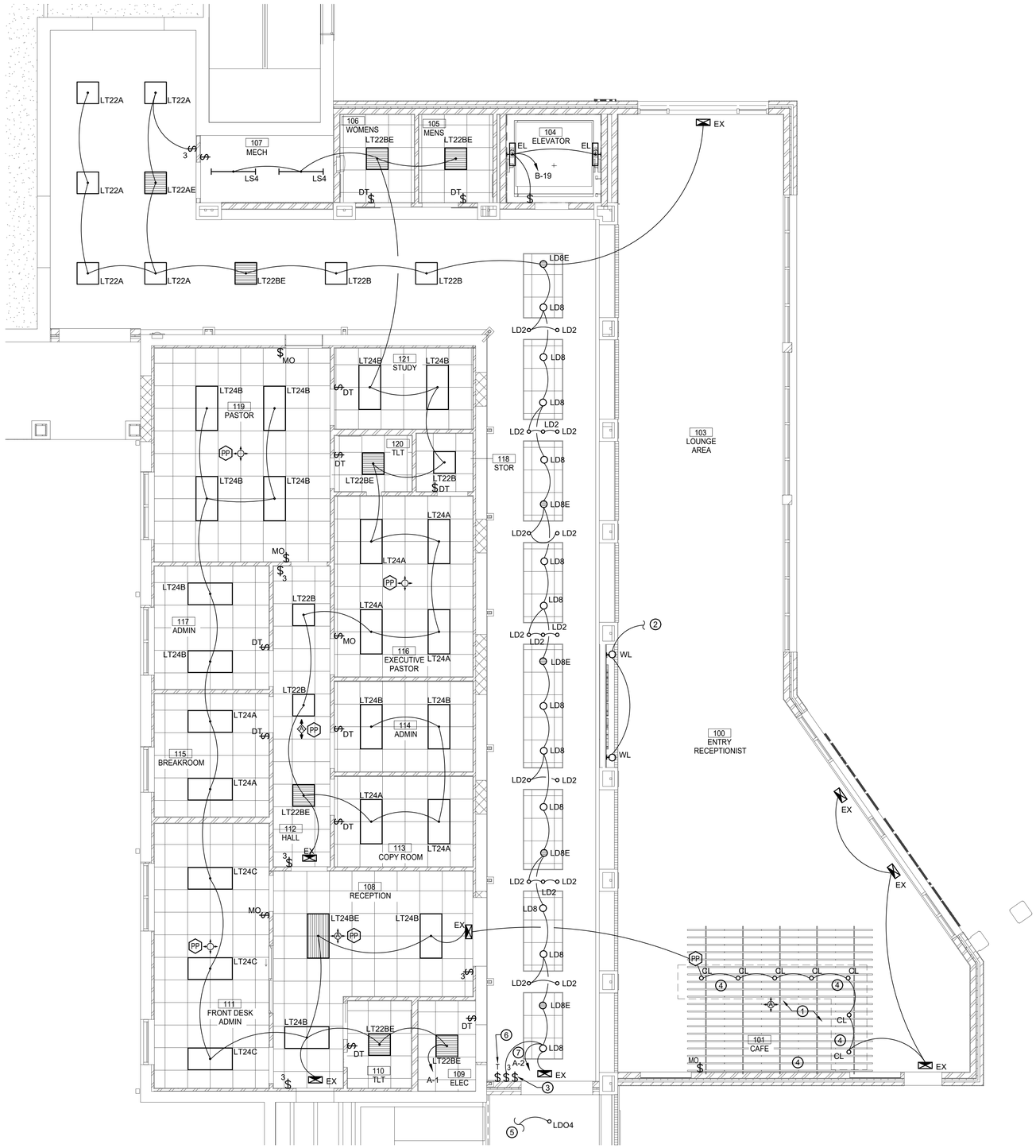

1 EL-101 ELECTRICAL LIGHTING PLAN - 1ST FLOOR

GENERAL SHEET NOTES

1. UNSWITCHED HOT WIRE FOR EXTERIOR AND EXIT/EMERGENCY LIGHTS ARE NOT SHOWN ON PLAN BUT MUST BE PROVIDED.
2. SWITCHED LEG FROM LOCAL LIGHTING SWITCHES TO ASSOCIATED LIGHTING FIXTURES MAY NOT BE SHOWN, BUT SHALL BE PROVIDED BY THE CONTRACTOR.
3. DECONFLICT LIGHT FIXTURE LOCATIONS WITH DUCTWORK PRIOR TO ANY ROUGH-IN.

SHEET KEYNOTES

1. ALIGN LIGHTS WITH CENTER OF COUNTERTOP.
2. CONNECT TO OPEN AREA CEILING LIGHTS.
3. LIGHT SWITCH CONTROLS SECOND FLOOR LIGHTS ABOVE RECEPTION AND LOUNGE AREA. SEE SHEET EL102.
4. PROVIDE RECESSED LED STRIP LIGHTS IN CAFE CABINETS AND SHELVING EQUAL TO ORBISIFY FSK-002. PROVIDE A SINGLE LIGHT SWITCH IN BAR TO CONTROL ALL LED STRIP LIGHTS. CONFIRM LENGTH, QUANTITY, AND LOCATIONS WITH ARCHITECTURAL DRAWINGS. CONNECT TO CAFE LIGHTING CIRCUIT.
5. CONNECT TO 2ND FLOOR EXTERIOR LIGHTING CIRCUIT.
6. DIGITAL TIME SWITCH FOR AFTER HOURS CONTROL AS REQUIRED BY THE FLORIDA ENERGY CONSERVATION CODE. SWITCH SHALL BE PROGRAMMED FOR A MAXIMUM OF 2 HOURS. COORDINATE LOCATION WITH OWNER PRIOR TO ANY ROUGH-IN. SEE INDOOR TIME CLOCK LIGHTING CONTROL DIAGRAM FOR WIRING REQUIREMENTS.
7. ROUTE HOMERUN THROUGH INTERIOR TIMECLOCK/ CONTACTOR. RE: SHEET E500 DETAIL 3.

CONTRACTOR SHALL ENSURE THE TOTAL VOLTAGE DROP MEASURED AT THE LAST DEVICE OF EACH BRANCH CIRCUIT OF EACH PANELBOARD DOES NOT EXCEED 5% OF THE SERVICE VOLTAGE. CONTRACTOR SHALL MAKE MODIFICATIONS TO CONDUCTOR SIZES AS REQUIRED.

PLAN NORTH

GRAPHIC SCALE(S)

3/16" = 1'-0" 0 4' 8'

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DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL LIGHTING PLAN - 1ST FLOOR

SHEET NUMBER:
EL101

PRINT DATE:

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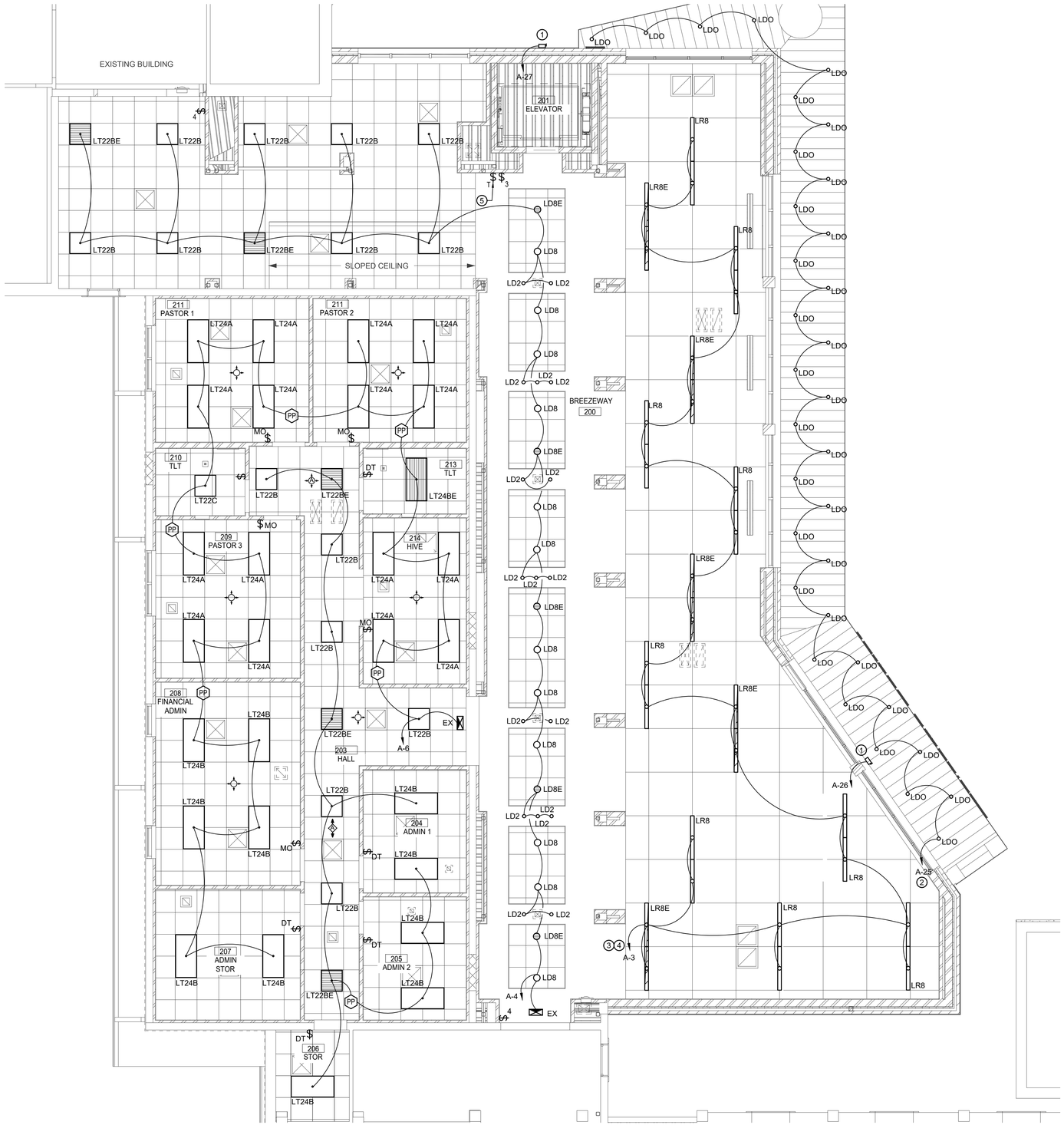

1
EL-102

ELECTRICAL LIGHTING PLAN - 2ND FLOOR

GENERAL SHEET NOTES

1. UNSWITCHED HOT WIRE FOR EXTERIOR AND EXIT/EMERGENCY LIGHTS ARE NOT SHOWN ON PLAN BUT MUST BE PROVIDED.
2. SWITCHED LEG FROM LOCAL LIGHTING SWITCHES TO ASSOCIATED LIGHTING FIXTURES MAY NOT BE SHOWN, BUT SHALL BE PROVIDED BY THE CONTRACTOR.
3. DECONFLICT LIGHT FIXTURE LOCATIONS WITH DUCTWORK PRIOR TO ANY ROUGH-IN.

SHEET KEYNOTES

1. PROVIDE NEMA 3R DISCONNECT, PHOTOCELL, AND FINAL CONNECTIONS FOR LIGHTED BUILDING SIGN. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
2. ROUTE HOMERUN THROUGH EXTERIOR TIMECLOCK/ CONTACTOR. RE: SHEET E500 DETAIL 2.
3. ROUTE HOMERUN THROUGH INTERIOR TIMECLOCK/ CONTACTOR. RE: SHEET E500 DETAIL 3.
4. CONTROLLING LIGHT SWITCH LOCATED IN FIRST FLOOR HALLWAY. SEE SHEET EL101.
5. DIGITAL TIME SWITCH FOR AFTER HOURS CONTROL AS REQUIRED BY THE FLORIDA ENERGY CONSERVATION CODE. SWITCH SHALL BE PROGRAMMED FOR A MAXIMUM OF 2 HOURS. COORDINATE LOCATION WITH OWNER PRIOR TO ANY ROUGH-IN. SEE INDOOR TIME CLOCK LIGHTING CONTROL DIAGRAM FOR WIRING REQUIREMENTS.

CONTRACTOR SHALL ENSURE THE TOTAL VOLTAGE DROP MEASURED AT THE LAST DEVICE OF EACH BRANCH CIRCUIT OF EACH PANELBOARD DOES NOT EXCEED 5% OF THE SERVICE VOLTAGE. CONTRACTOR SHALL MAKE MODIFICATIONS TO CONDUCTOR SIZES AS REQUIRED.

PLAN NORTH

GRAPHIC SCALE(S)

3/16" = 1'-0" 0 4' 8'

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JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL LIGHTING PLAN - 2ND FLOOR

SHEET NUMBER:
EL102

CONSTRUCTION DOCUMENTS

PRINT DATE:

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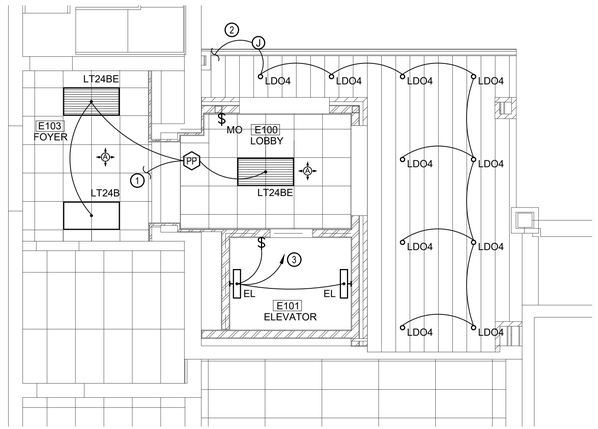
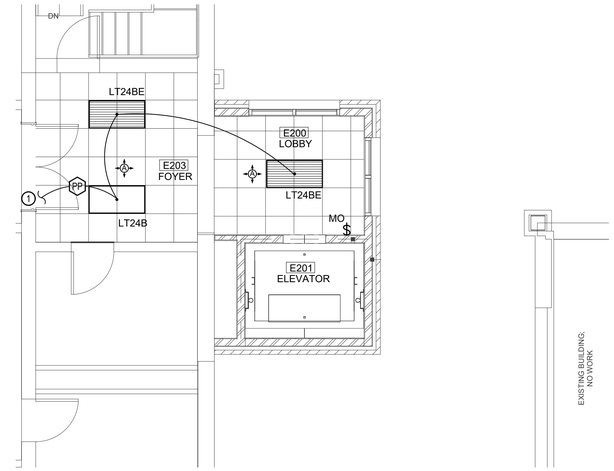
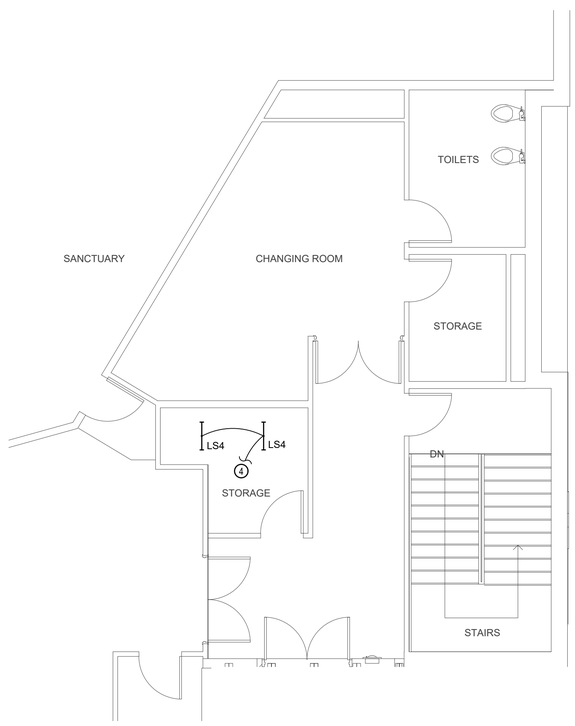


1 EL-103 ELECTRICAL LIGHTING PLAN - BLDG E 1ST FLOOR



2 EL-103 ELECTRICAL LIGHTING PLAN - BLDG E 2ND FLOOR



3 EL-103 ELECTRICAL LIGHTING PLAN - SANCTUARY 2ND FLOOR

GENERAL SHEET NOTES

1. UNSWITCHED HOT WIRE FOR EXTERIOR AND EXIT/EMERGENCY LIGHTS ARE NOT SHOWN ON PLAN BUT MUST BE PROVIDED.
2. SWITCHED LEG FROM LOCAL LIGHTING SWITCHES TO ASSOCIATED LIGHTING FIXTURES MAY NOT BE SHOWN, BUT SHALL BE PROVIDED BY THE CONTRACTOR.
3. DECONFLICT LIGHT FIXTURE LOCATIONS WITH DUCTWORK PRIOR TO ANY ROUGH-IN.

SHEET KEYNOTES

1. CONNECT TO UNSWITCHED PORTION OF EXISTING AREA LIGHTING CIRCUIT.
2. PROVIDE JUNCTION BOX WITH PHOTOCELL TO CONTROL NEW CANOPY LIGHTS. PROVIDE DEDICATED CIRCUIT BACK TO EXISTING PANELBOARD SERVING THIS AREA, SEE SITE PLAN FOR LOCATION, SEE SINGLE LINE FOR ADDITIONAL INFORMATION. PROVIDE NEW 20A/1-POLE CIRCUIT BREAKER IN EXISTING PANELBOARD, KAIC TO MATCH EXISTING.
3. PROVIDE DEDICATED CIRCUIT BACK TO EXISTING PANELBOARD SERVING THIS AREA, SEE SITE PLAN FOR LOCATION, SEE SINGLE LINE FOR ADDITIONAL INFORMATION. PROVIDE NEW 20A/1-POLE CIRCUIT BREAKER IN EXISTING PANELBOARD, KAIC TO MATCH EXISTING.
4. CONNECT NEW LIGHT FIXTURE TO EXISTING CIRCUIT AND LIGHT SWITCH FROM DEMO PHASE.

CONTRACTOR SHALL ENSURE THE TOTAL VOLTAGE DROP MEASURED AT THE LAST DEVICE OF EACH BRANCH CIRCUIT OF EACH PANELBOARD DOES NOT EXCEED 5% OF THE SERVICE VOLTAGE. CONTRACTOR SHALL MAKE MODIFICATIONS TO CONDUCTOR SIZES AS REQUIRED.

PLAN NORTH

GRAPHIC SCALE(S)

3/16" = 1'-0" 0 4' 8'

DO NOT SCALE DRAWINGS

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License No: AR 97710

PROJECT ISSUES:

CONCEPT SKETCHES	2025-05-05
SCHEMATIC DESIGN	2026-04-10
REVISED PLAN	2026-05-18
DESIGN DEVELOPMENT	2026-06-26
CONSTRUCTION DOCUMENTS	2026-09-15

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FL AUTHORIZATION NO.: 37003
ELECTRICAL ENGINEER: NICK JOHNSON, P.E.
FLORIDA REG. NO. 91642

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AMI CONSULTING LLC
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ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL LIGHTING PLAN - FELLOWSHIP HALL

SHEET NUMBER:
EL103

CONSTRUCTION DOCUMENTS

PRINT DATE:

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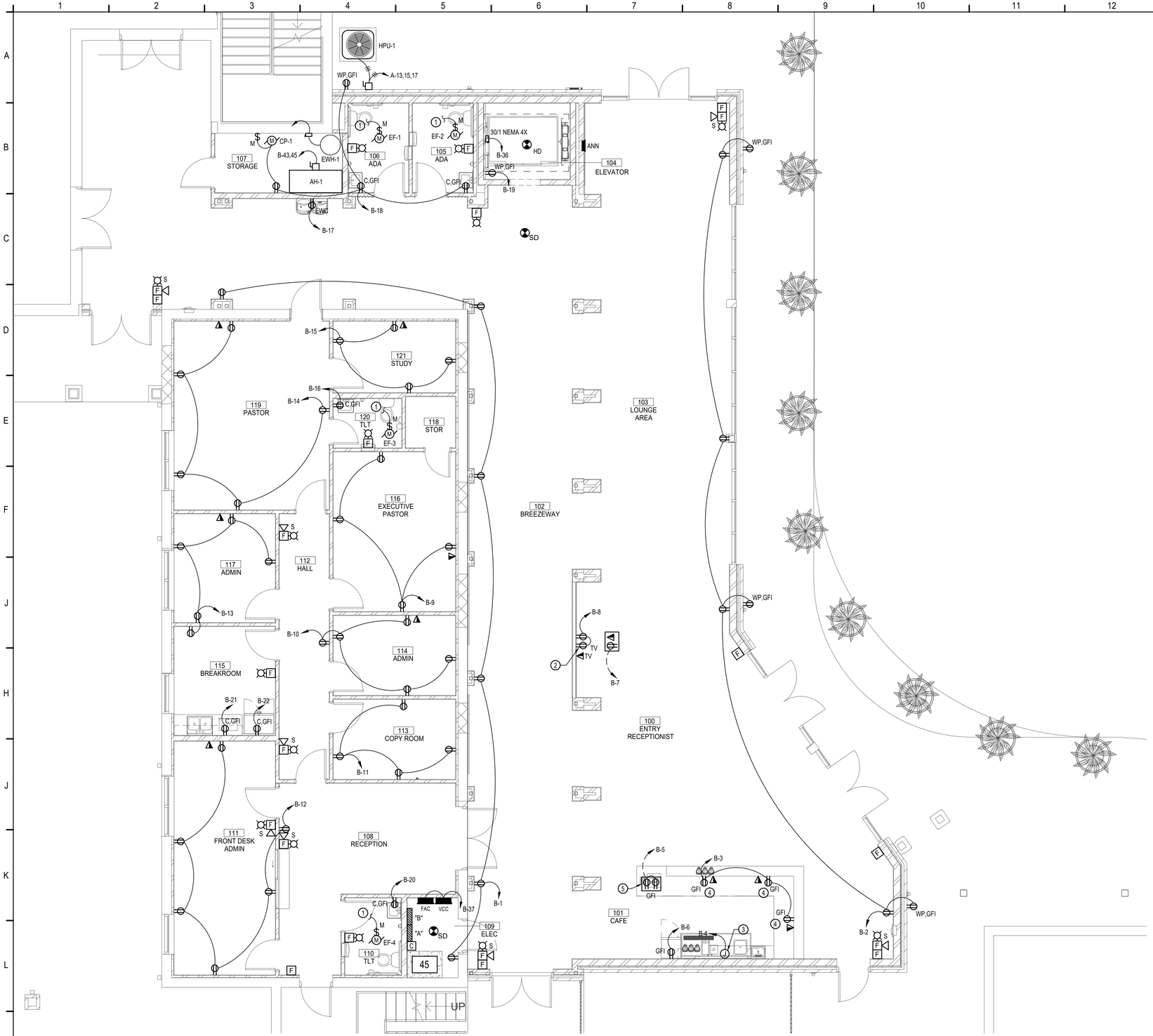

1 / EP-101 ELECTRICAL POWER PLAN - OFFICE BLDG 1ST FLOOR

GENERAL SHEET NOTES

1. COORDINATE LOCATIONS OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH GENERAL CONTRACTOR PRIOR TO ANY ROUGH-IN.

SHEET KEYNOTES

1. CONNECT TO LOCAL LIGHTING CIRCUIT FOR ON/OFF CONTROL.
2. PROVIDE RECEPTACLE AND DATA OUTLET FOR TV. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR PRIOR TO ANY ROUGH-IN.
3. PROVIDE JUNCTION BOX FOR CONNECTION TO BEVERAGE COUNTER WITH PRE-WIRED RECEPTACLES. COORDINATE ELECTRICAL CONNECTION AND REQUIREMENTS WITH GENERAL CONTRACTOR PRIOR TO ANY ROUGH-IN.
4. MOUNT RECEPTACLES AND DATA OUTLETS IN CABINETRY. COORDINATE WITH GENERAL CONTRACTOR PRIOR TO ANY ROUGH-IN.
5. PROVIDE FLOORBOX TO SERVE BAKERY CASE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH GENERAL CONTRACTOR PRIOR TO ANY ROUGH-IN.

CONTRACTOR SHALL ENSURE THE TOTAL VOLTAGE DROP MEASURED AT THE LAST DEVICE OF EACH BRANCH CIRCUIT OF EACH PANELBOARD DOES NOT EXCEED 5% OF THE SERVICE VOLTAGE. CONTRACTOR SHALL MAKE MODIFICATIONS TO CONDUCTOR SIZES AS REQUIRED.

PLAN NORTH

GRAPHIC SCALE(S)

3/16" = 1'-0" 0 4' 8'

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JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL POWER PLAN - OFFICE BLDG 1ST FLOOR

SHEET NUMBER:
EP101

PRINT DATE:

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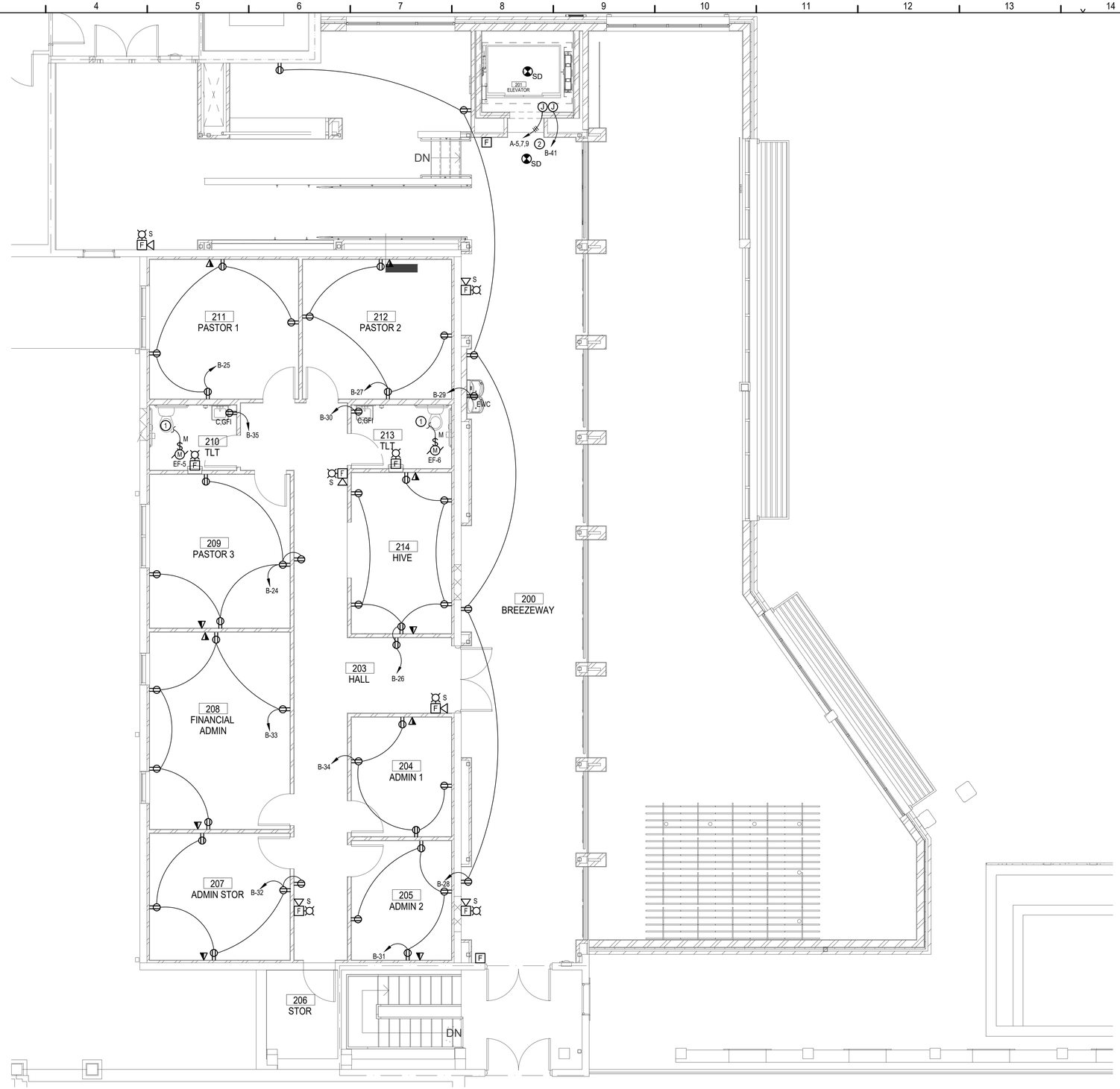
CONSTRUCTION DOCUMENTS



1 EP-102 ELECTRICAL POWER PLAN - OFFICE BLDG 2ND FLOOR

GENERAL SHEET NOTES

1. COORDINATE LOCATIONS OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH GENERAL CONTRACTOR PRIOR TO ANY ROUGH-IN.

SHEET KEYNOTES

1. CONNECT TO LOCAL LIGHTING CIRCUIT FOR ON/OFF CONTROL.
2. PROVIDE POWER CONNECTIONS TO THE ELEVATOR CONTROLLER AND ELEVATOR CAB AUXILIARY LOADS. ELEVATOR CONTROLLER, INCLUDING INTEGRAL DISCONNECTING MEANS, SHALL BE PROVIDED AND INSTALLED BY THE ELEVATOR SUPPLIER IN THE HOISTWAY WALL AT THE SECOND FLOOR. PROVIDE ELEVATOR COMMUNICATIONS CONNECTIONS AS REQUIRED. COORDINATE FINAL LOCATIONS, VOLTAGES, PHASE, CIRCUIT SIZES, OVERCURRENT PROTECTION, AND ALL CONNECTION REQUIREMENTS WITH THE APPROVED ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.

CONTRACTOR SHALL ENSURE THE TOTAL VOLTAGE DROP MEASURED AT THE LAST DEVICE OF EACH BRANCH CIRCUIT OF EACH PANELBOARD DOES NOT EXCEED 5% OF THE SERVICE VOLTAGE. CONTRACTOR SHALL MAKE MODIFICATIONS TO CONDUCTOR SIZES AS REQUIRED.

PLAN NORTH

GRAPHIC SCALE(S)

3/16" = 1'-0" 0 4' 8'

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DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL POWER PLAN - OFFICE BLDG 2ND FLOOR

SHEET NUMBER:
EP102

CONSTRUCTION DOCUMENTS

PRINT DATE:

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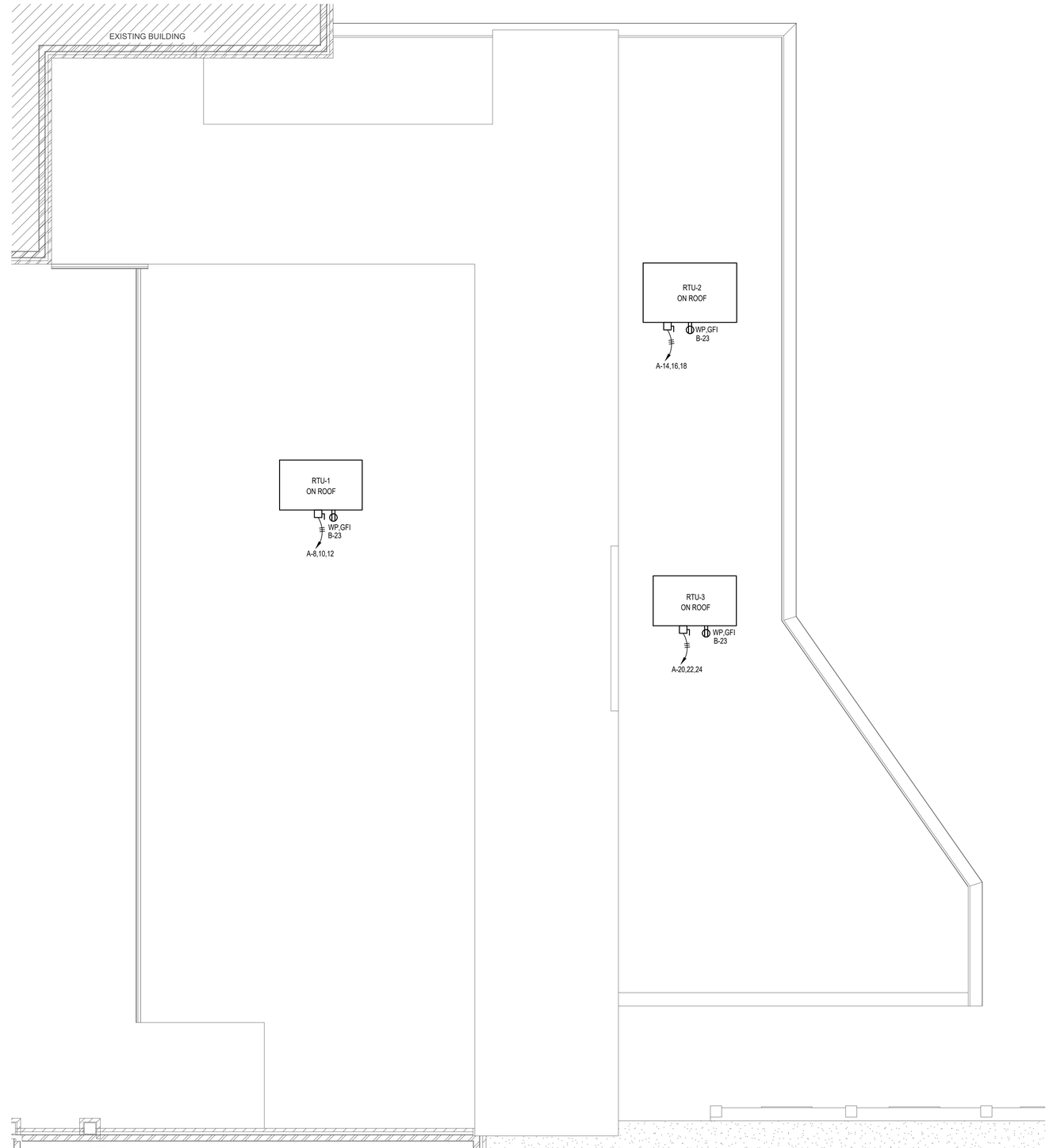

1 / EP-103 ELECTRICAL POWER PLAN - OFFICE BLDG ROOF

GENERAL SHEET NOTES

1. COORDINATE LOCATIONS OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH GENERAL CONTRACTOR PRIOR TO ANY ROUGH-IN.

SHEET KEYNOTES

PLAN NORTH

GRAPHIC SCALE(S)

3/16" = 1'-0" 0 4' 8'

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DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL POWER PLAN - OFFICE BLDG ROOF

SHEET NUMBER:
EP103

PRINT DATE:

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CONSTRUCTION DOCUMENTS

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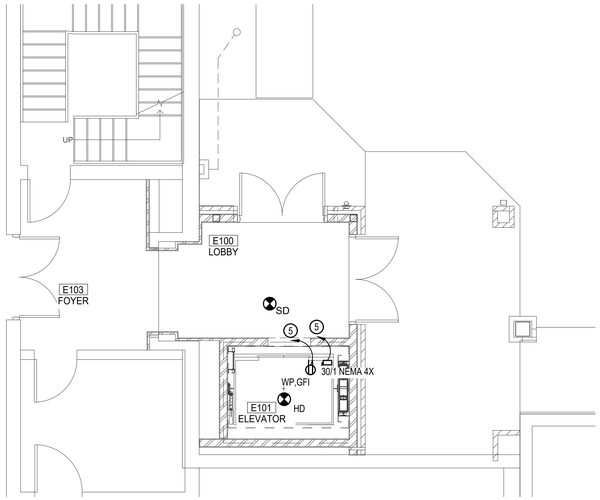
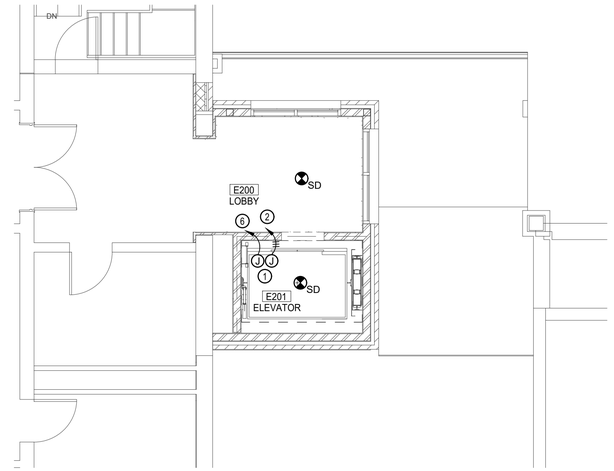
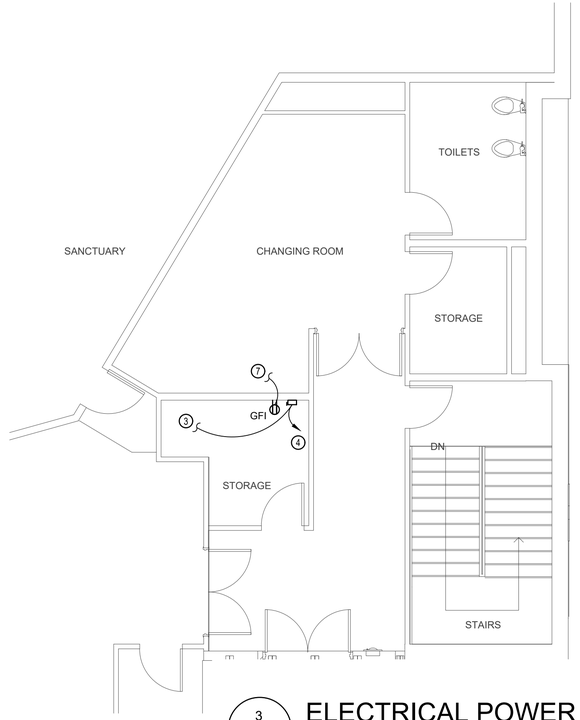


1 EP-104 ELECTRICAL POWER PLAN - BLDG E 1ST FLOOR



2 EP-104 ELECTRICAL POWER PLAN - BLDG E 2ND FLOOR



3 EP-104 ELECTRICAL POWER PLAN - SANCTUARY 2ND FLOOR

GENERAL SHEET NOTES

1. COORDINATE LOCATIONS OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH GENERAL CONTRACTOR PRIOR TO ANY ROUGH-IN.

SHEET KEYNOTES

1. PROVIDE POWER CONNECTIONS TO THE ELEVATOR CONTROLLER AND ELEVATOR CAB AUXILIARY LOADS. ELEVATOR CONTROLLER, INCLUDING INTEGRAL DISCONNECTING MEANS, SHALL BE PROVIDED AND INSTALLED BY THE ELEVATOR SUPPLIER IN THE HOISTWAY WALL AT THE SECOND FLOOR. PROVIDE ELEVATOR COMMUNICATIONS CONNECTIONS AS REQUIRED. COORDINATE FINAL LOCATIONS, VOLTAGES, PHASE, CIRCUIT SIZES, OVERCURRENT PROTECTION, AND ALL CONNECTION REQUIREMENTS WITH THE APPROVED ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
2. SEE SITE PLAN AND SINGLE LINE FOR ELEVATOR HOMERUN REQUIREMENTS.
3. PROVIDE FINAL CONNECTIONS TO BOILER.
4. PROVIDE DEDICATED CIRCUIT TO PANELBOARD "RA" ON FIRST FLOOR. PROVIDE NEW 20A/1-POLE CIRCUIT BREAKER.
5. PROVIDE DEDICATED CIRCUIT BACK TO EXISTING PANELBOARD SERVING THIS AREA, SEE SITE PLAN FOR LOCATION, SEE SINGLE LINE FOR ADDITIONAL INFORMATION. PROVIDE NEW 20A/1-POLE CIRCUIT BREAKER IN EXISTING PANELBOARD, KAIC TO MATCH EXISTING.
6. PROVIDE DEDICATED CIRCUIT BACK TO EXISTING PANELBOARD SERVING THIS AREA, SEE SITE PLAN FOR LOCATION, SEE SINGLE LINE FOR ADDITIONAL INFORMATION. PROVIDE NEW 20A/1-POLE SHUNT-TRIP CIRCUIT BREAKER IN EXISTING PANELBOARD, KAIC TO MATCH EXISTING.
7. CONNECT TO NEAREST EXISTING RECEPTACLE CIRCUIT.

CONTRACTOR SHALL ENSURE THE TOTAL VOLTAGE DROP MEASURED AT THE LAST DEVICE OF EACH BRANCH CIRCUIT OF EACH PANELBOARD DOES NOT EXCEED 5% OF THE SERVICE VOLTAGE. CONTRACTOR SHALL MAKE MODIFICATIONS TO CONDUCTOR SIZES AS REQUIRED.

PLAN NORTH

GRAPHIC SCALE(S)

3/16" = 1'-0" 0 4' 8'

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AMI CONSULTING LLC
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PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL POWER PLAN - FELLOWSHIP HALL & SANCTUARY

SHEET NUMBER:
EP104

CONSTRUCTION DOCUMENTS

PRINT DATE:

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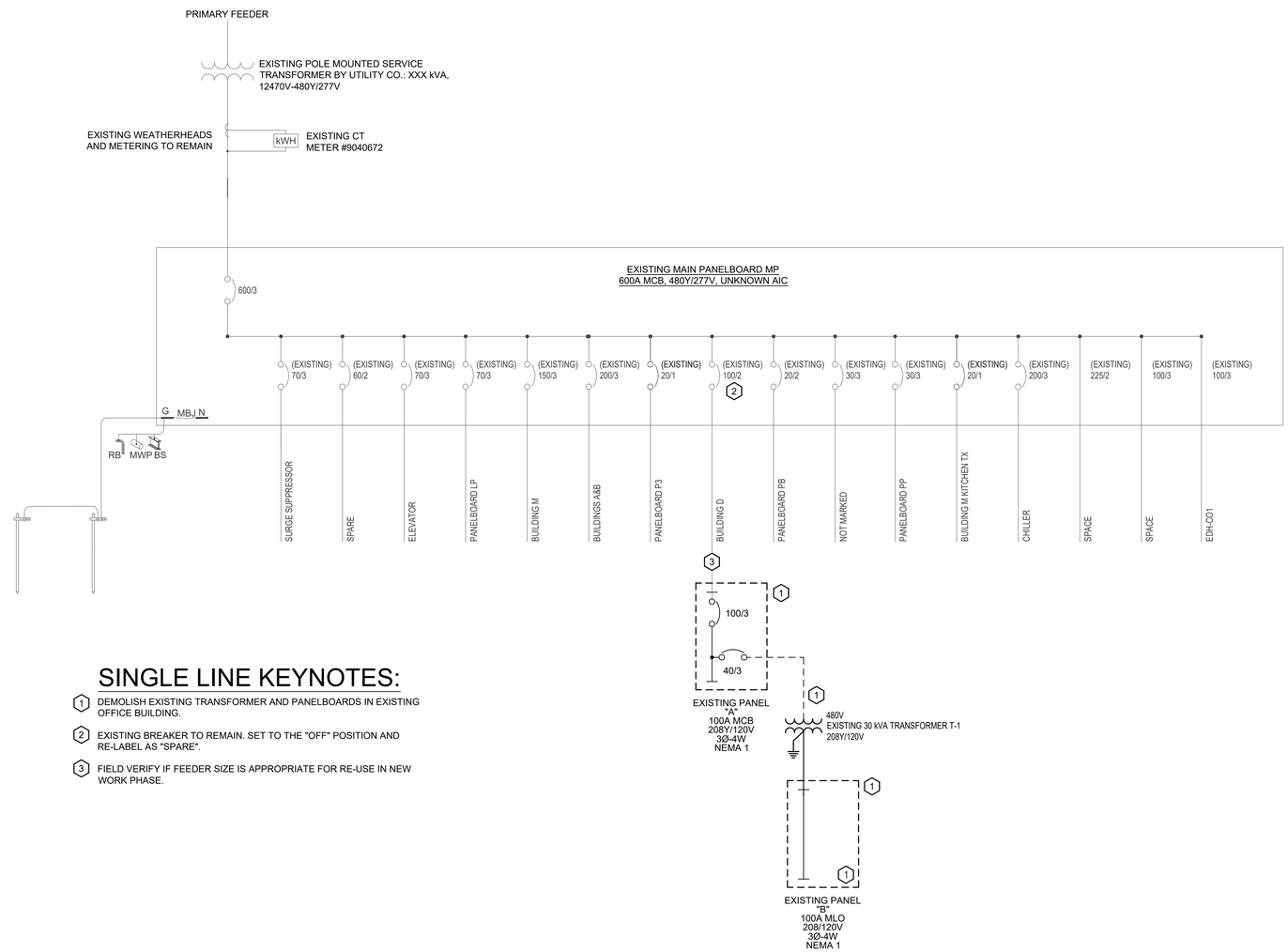

SINGLE LINE KEYNOTES:

1. DEMOLISH EXISTING TRANSFORMER AND PANELBOARDS IN EXISTING OFFICE BUILDING.
2. EXISTING BREAKER TO REMAIN. SET TO THE "OFF" POSITION AND RE-LABEL AS "SPARE".
3. FIELD VERIFY IF FEEDER SIZE IS APPROPRIATE FOR RE-USE IN NEW WORK PHASE.

DEMO OFFICE BUILDING ELECTRICAL SINGLE LINE DIAGRAM

SCALE: NOT TO SCALE

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JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
OFFICE BLDG DEMOLITION ELECTRICAL SINGLE LINE DIAGRAM

SHEET NUMBER:
E201

CONSTRUCTION DOCUMENTS

PRINT DATE:

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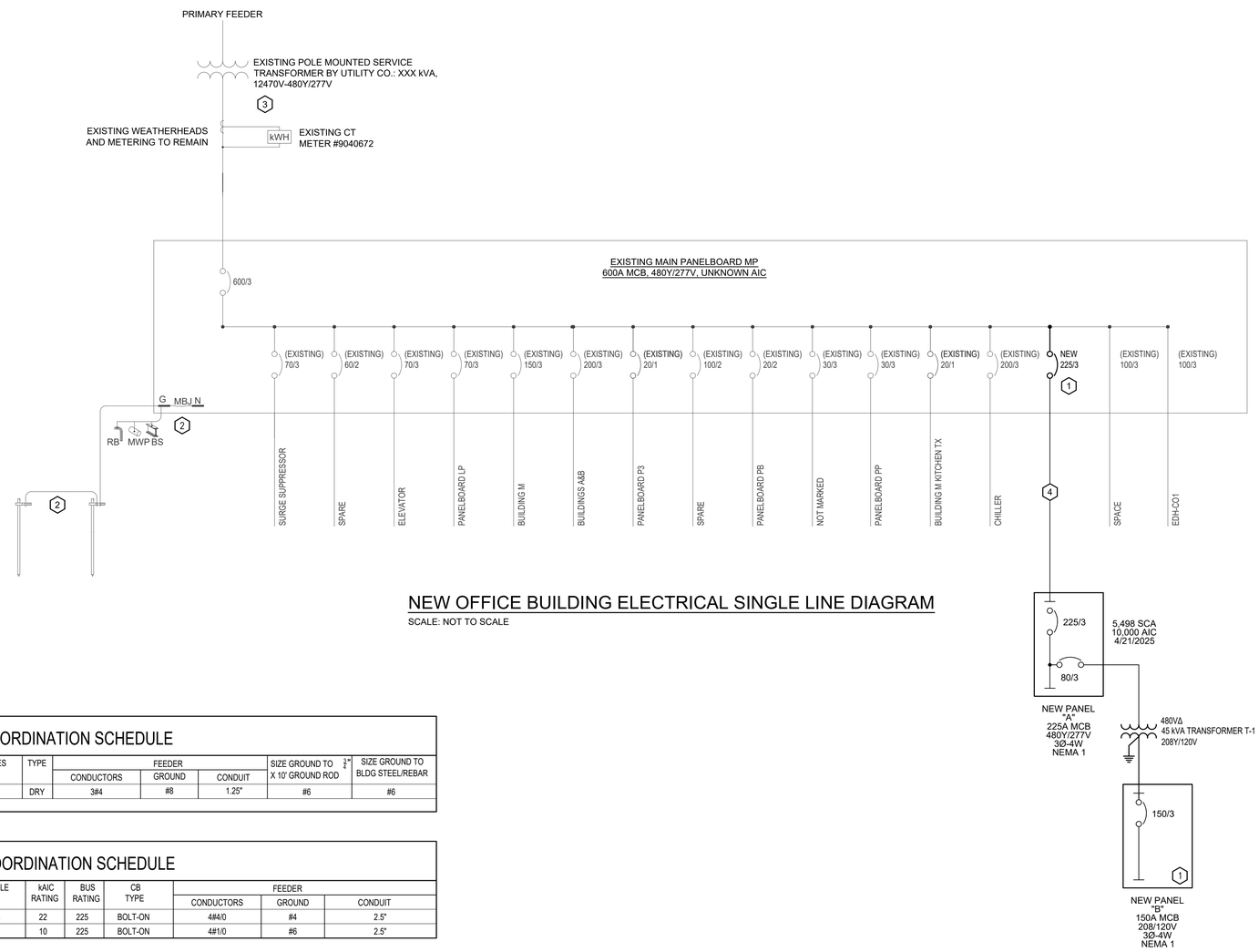
SINGLE LINE KEYNOTES:

1. PROVIDE NEW 225A CIRCUIT BREAKER IN EXISTING SPACE. PROVIDE ALL MOUNTING HARDWARE AS REQUIRED. KAIC RATING TO MATCH EXISTING PANEL.
2. VERIFY EXISTING GROUND SYSTEM MEETS NEC 250. IF IT DOES NOT MEET NEC REQUIREMENTS, PROVIDE TWO (2) 10' X 3/4" COPPER CLAD GROUND RODS SPACED 20' APART WITH BURNDY HYGROUND HIGH COMPRESSION FITTINGS. CONNECT MAIN PANELBOARD AND GROUND RODS WITH #3 COPPER CONDUCTOR.
3. COORDINATE REQUIRED UPGRADES TO EXISTING SERVICE OR UTILITY EQUIPMENT WITH FPL PRIOR TO BIDDING.
4. PROVIDE NEW CONDUIT/WIRE BETWEEN EXISTING SWITCHBOARD AND NEW PANELBOARD A AS REQUIRED. MAXIMIZE RE-USE OF EXISTING CONDUIT/WIRE IF FEASIBLE.



NEW OFFICE BUILDING ELECTRICAL SINGLE LINE DIAGRAM

SCALE: NOT TO SCALE

TRANSFORMER COORDINATION SCHEDULE

MARK	ENCLOSURE TYPE	PRIMARY VOLTAGE	SECONDARY VOLTAGE	Ø	WIRE	kVA	DEGREES	TYPE	FEEDER			SIZE GROUND TO X 10' GROUND ROD	SIZE GROUND TO BLDG STEEL/REBAR
									CONDUCTORS	GROUND	CONDUIT		
T1	NEMA 1	480Δ	208Y/120	3	4	45	75°C	DRY	3#4	#8	1.25"	#6	#6

PANELBOARD COORDINATION SCHEDULE

MARK	ENCLOSURE TYPE	MOUNTING	VOLTAGE	Ø	WIRE	MAIN	SERVICE RATED	AVAILABLE SCA	kAIC RATING	BUS RATING	CB TYPE	FEEDER		
												CONDUCTORS	GROUND	CONDUIT
A	NEMA 1	SURFACE	480Y/277	3	4	225	NO	13,128	22	225	BOLT-ON	4#4/0	#4	2.5"
B	NEMA 1	SURFACE	208Y/120	3	4	150	NO	2,853	10	225	BOLT-ON	4#1/0	#6	2.5"

ELECTRICAL LOAD ANALYSIS - EXISTING PANEL MP

LOAD DESCRIPTION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD
LIGHTING	6.6	1.25	8.3
RECEPTACLES (FIRST 10 KVA OR LESS)	10.0	1.00	10.0
RECEPTACLES (KVA ABOVE 10 KVA)	14.9	0.50	7.5
HVAC	103.2	1.00	103.2
MISCELLANEOUS	24.8	1.00	24.8
EXISTING PEAK DEMAND PROVIDED BY FPL	60.0	1.25	75.0
TOTAL	219.5		228.8

228.8 KVA @ 480/277 VOLT 3Ø => 275.2 AMPS
EXISTING 600A PANEL IS SUFFICIENT

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PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
OFFICE BLDG NEW WORK ELECTRICAL SINGLE LINE DIAGRAM

SHEET NUMBER:
E202

PRINT DATE:

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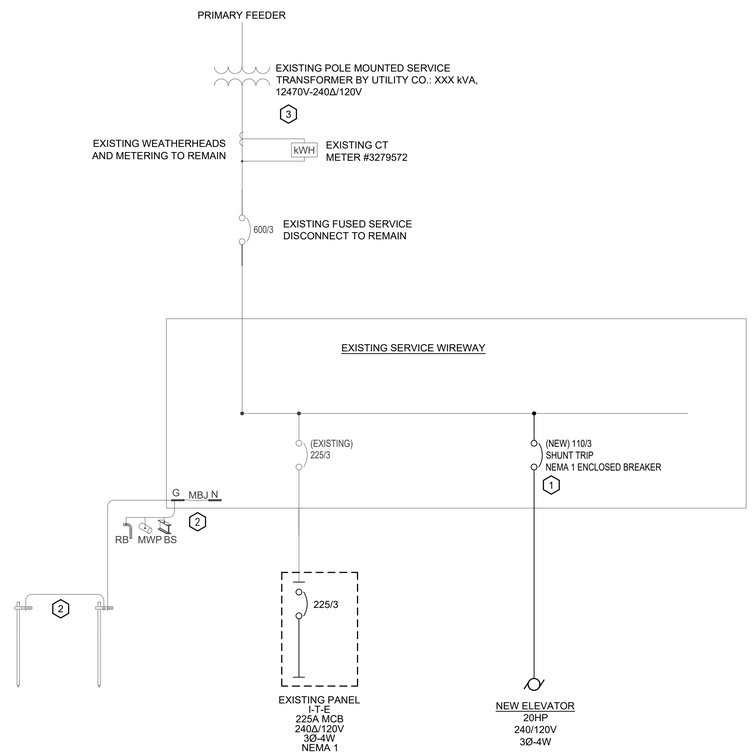

FELLOWSHIP HALL ELECTRICAL SINGLE LINE DIAGRAM

SCALE: NOT TO SCALE

SINGLE LINE KEYNOTES:

1. PROVIDE NEW 110A CIRCUIT BREAKER AND MOUNTING HARDWARE. FEEDER SHALL BE 3#2, #6 GROUND, 1.25" CONDUIT. MODIFY CONDUIT AND CONDUCTOR SIZE FOR VOLTAGE DROP BASED ON ACTUAL CIRCUIT LENGTH
2. VERIFY EXISTING GROUND SYSTEM MEETS NEC 250. IF IT DOES NOT MEET NEC REQUIREMENTS, PROVIDE TWO (2) 10' X 3/4" COPPER CLAD GROUND RODS SPACED 20' APART WITH BURNDY HYGROUND HIGH COMPRESSION FITTINGS. CONNECT MAIN PANELBOARD AND GROUND RODS WITH #3 COPPER CONDUCTOR.
3. COORDINATE REQUIRED UPGRADES TO EXISTING SERVICE OR UTILITY EQUIPMENT WITH FPL PRIOR TO BIDDING.

ELECTRICAL LOAD ANALYSIS - FELLOWSHIP HALL MAIN PANELBOARD

LOAD DESCRIPTION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD
EXISTING MAXIMUM LOAD REPORTED BY FPL	37.0	1.25	46.25
NEW ELEVATOR EQUIPMENT	22.5	1.00	22.5
TOTAL	59.5		68.8

68.8 KVA @ 240/120 VOLT 3Ø => 165.5 AMPS
EXISTING 600A PANEL IS SUFFICIENT

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PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
FELLOWSHIP HALL ELECTRICAL SINGLE LINE DIAGRAM

SHEET NUMBER:
E203

PRINT DATE:

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CONSTRUCTION DOCUMENTS

PANEL A SCHEDULE

NEMA 1, SURFACE MOUNT

225A MCB 480/277V 3Ø 4W

CKT NO.	LOAD DESCRIPTION	BREAKER POLE	BREAKER AMP	KVA	KVA	BREAKER AMP	BREAKER POLE	LOAD DESCRIPTION	CKT NO.
1	1ST FLOOR LIGHTS	1	20	1.5	1.2	20	1	1ST FLOOR LIGHTS	2
3	2ND FLOOR LIGHTS	1	20	1.1	1.0	20	1	2ND FLOOR LIGHTS	4
5					1.4	20	1	2ND FLOOR LIGHTS	6
7	ELEVATOR (20HP ESTIMATED)	3	60	22.5					8
9					22.9	35	3	RTU#1	10
11	ELEVATOR SHUNT TRIP	·	·	·					12
13									14
15	HP-1	3	15	7.0	41.4	60	3	RTU#2	16
17									18
19									20
21	PANEL B VIA TRANSFORMER T-1	3	80	39.9	22.9	35	3	RTU#3	22
23									24
25	EXTERIOR LIGHTS	1	20	0.4	0.5	20	1	EXTERIOR SIGN	26
27	EXTERIOR SIGN	1	20	0.5	0.2	20	1	INTERIOR LIGHTING CONTACTOR	28
29	SPARE	1	20	·	·	20	1	SPARE	30
31	SPARE	1	20	·	·	20	1	SPARE	32
33	SPARE	1	20	·	·	20	1	SPARE	34
35	SPARE	1	20	·	·	20	1	SPARE	36
37	SPARE	1	20	·					38
39	SPARE	1	20	·		30	3	SURGE PROTECTIVE DEVICE	40
41	SPARE	1	20	·					42

CONNECTED LOAD 159.5 KVA

(A) PROVIDE PHENOLIC LABEL AFFIXED TO PANEL INDICATING THIS VALUE ALONG WITH THE DATE OF THE INSTALLATION.

EXISTING BLDG E PANEL SCHEDULE

NEMA 1, SURFACE MOUNT

225A MLO 240Δ/120V 3Ø 4W

CKT NO.	LOAD DESCRIPTION	BREAKER POLE	BREAKER AMP	KVA	KVA	BREAKER AMP	BREAKER POLE	LOAD DESCRIPTION	CKT NO.
1									2
3	EXISTING CIRCUIT	3	70	·	·	70	3	EXISTING CIRCUIT	4
5									6
7	SPACE	·	·	·					8
9	HIGH-LEG	·	·	·	·	70	3	EXISTING CIRCUIT	10
11	EXISTING CIRCUIT	2	60	·					12
13					·	20	1	EX: EMS	14
15	HIGH-LEG	·	·	·	·	20	1	EX: EXTERIOR LIGHTS	16
17	NEW RECEPT AND LIGHTS. ELEV PIT	1	20	0.3	·	20	1	EX: EXTERIOR LIGHTS	18
19	NEW SUMP PUMP, ELEVATOR PIT	1	20	0.2					20
21	HIGH-LEG	·	·	·	·	20	2	EX: EXTERIOR LIGHTS	22
23	NEW ELEVATOR CAB	1	20	0.4					24
25	NEW SHUNT TRIP UNIT	·	·	·	·	20	2	EX: PARKING LOT LIGHTS	26
27	HIGH-LEG	·	·	·					28
29	SPACE	·	·	·	·	30	2	EX: WATER WELL PUMP	30
31	SPACE	·	·	·	·	·	·	SPACE	32
33	HIGH-LEG	·	·	·	·	·	·	HIGH-LEG	34
35	SPACE	·	·	·	·	·	·	SPACE	36
37	SPACE	·	·	·	·	·	·	SPACE	38
39	HIGH-LEG	·	·	·	·	·	·	HIGH-LEG	40
41	SPACE	·	·	·	·	·	·	SPACE	42
43	SPACE	·	·	·	·	·	·	SPACE	44
45	HIGH-LEG	·	·	·	·	·	·	HIGH-LEG	46
47	SPACE	·	·	·	·	·	·	SPACE	48

ADDED LOAD 0.9 KVA

PANEL B SCHEDULE

NEMA 1, SURFACE MOUNT

150A MCB 208/120V 3Ø 4W

CKT NO.	LOAD DESCRIPTION	BREAKER POLE	BREAKER AMP	KVA	KVA	BREAKER AMP	BREAKER POLE	LOAD DESCRIPTION	CKT NO.
1	1ST FLOOR CORRIDOR RECEPTS.	1	20	1.1	1.3	20	1	1ST FLOOR CAFE RECEPTS.	2
3	1ST FLOOR CAFE RECEPTS.	1	20	0.6	0.5	20	1	1ST FLOOR J-BOX FOR BEVERAGE	4
5	1ST FLOORBOX FOR BAKERY	1	20	0.5	0.5	20	1	1ST FLOOR CAFE REFRIG.	6
7	1ST FLOOR ENTRY RECEPTIONIST	1	20	0.5	0.5	20	1	1ST FLOOR ENTRY TV	8
9	116 EXECUTIVE PASTOR RECEPTS.	1	20	0.8	1.0	20	1	114 ADMIN RECEPTS.	10
11	113 COPY ROOM RECEPTS.	1	20	0.8	1.1	20	1	111 FRONT DESK ADMIN RECEPTS.	12
13	117 ADMIN RECEPTS.	1	20	0.9	0.9	20	1	119 PASTOR RECEPTS.	14
15	121 STUDY RECEPTS.	1	20	0.8	0.2	20	1	120 TLT RECPT.	16
17	1ST FLOOR DRINKING FOUNTAIN	1	20	0.5	0.5	20	1	105-106 ADA RECEPTS.	18
19	ELEVATOR PIT LTS AND RECEPT.	1	20	0.2	1.0	20	1	110 TLT RECEPT.	20
21	115 BREAKROOM RECEPTS.	1	20	0.5	0.5	20	1	115 BREAKROOM RECEPTS.	22
23	ROOF TOP RECEPTACLES	1	20	0.5	0.9	20	1	209 PASTOR 3 RECEPTS.	24
25	211 PASTOR 1 RECEPTS.	1	20	0.8	1.3	20	1	214 HIVE RECEPTS.	26
27	212 PASTOR 2 RECEPTS.	1	20	0.8	0.9	20	1	200 BREEZEWAY RECEPTS.	28
29	2ND FLOOR DRINKING FOUNTAIN	1	20	0.5	0.2	20	1	213 TLT RECEPT.	30
31	205 ADMIN 2 RECEPTS.	1	20	0.8	0.9	20	1	207 ADMIN STORAGE RECEPTS.	32
33	208 FINANCIAL ADMIN RECEPTS.	1	20	0.9	0.8	20	1	204 ADMIN 1 RECEPTS.	34
35	210 TLT RECEPT.	1	20	0.2	0.2	20	1	ELEVATOR PIT SUMP PUMP	36
37	NEW FACP AND VCC (L)	1	20	1.0	5.0	30	2	EWH-1	38
39	ELEVATOR CAB	1	20						40
41	ELEVATOR CAB SHUNT TRIP	·	·	·	·	20	1	SPARE	42
43	AHU-1	2	50	8.0	·	20	1	SPARE	44
45					·	20	1	SPARE	46
47	SPARE	1	20	·	·	20	1	SPARE	48
49	SPARE	1	20	·					50
51	SPARE	1	20	·		30	3	SURGE PROTECTIVE DEVICE	52
53	SPARE	1	20	·					54

CONNECTED LOAD 39.9 KVA

(L) PROVIDE LOCKABLE CIRCUIT BREAKER

KITCHEN EQUIPMENT SCHEDULE

ITEM#	DESCRIPTION	VOLT Ø	AMPS	KVA	MCOP	WIRE SIZE	DISCONNECT
1	COFFEE MACHINE	120/1	11	1.4	20	2#12, 1#12G, 3/4"C	20A RECEPTACLE
3	UNDER COUNTER REFRIGERATOR	120/1	2.3	0.3	20	2#12, 1#12G, 3/4"C	20A RECEPTACLE
5	DISPLAY CASE	120/1	1.5	0.3	20	2#12, 1#12G, 3/4"C	20A RECEPTACLE
6	BEVERAGE TABLE	120/1	·	·	20	2#12, 1#12G, 3/4"C	20A RECEPTACLE
7	COFFEE GRINDER	120/1	3.0	0.4	20	2#12, 1#12G, 3/4"C	20A RECEPTACLE
8	ESPRESSO MACHINE	120/1	12.5	1.5	20	2#12, 1#12G, 3/4"C	20A RECEPTACLE

NOTES:
* FINAL EQUIPMENT SHALL BE WATERPROOF FLEXIBLE METAL CONDUIT WITH WATER TIGHT FITTINGS.

MECHANICAL/PLUMBING EQUIPMENT ELECTRICAL SCHEDULE

MARK	ITEM	VOLTAGE/Ø	MCA	LOAD (kVA)	DISCONNECT SWITCH	CIRCUIT BREAKER TRIP RATING	FEEDER CONDUCTORS	FEEDER GROUND	FEEDER CONDUIT	NOTES
HP-1	HEAT PUMP UNIT	480/3	11.0	7.0	30/3 NEMA 3R SS	15	3#12	#12	3/4"C	
AHU-1	AIR HANDLING UNIT	208/1	48.0	8.0	60/2 NEMA 1 SS	50	2#8	#10	3/4"C	
RTU-1	ROOF TOP UNIT	480/3	33.0	22.9	60/3 NEMA 3R SS	35	3#8	#10	3/4"C	
RTU-2	ROOF TOP UNIT	480/3	59.0	41.4	60/3 NEMA 3R SS	60	3#6	#10	1"C	
RTU-3	ROOF TOP UNIT	480/3	33.0	22.9	60/3 NEMA 3R SS	35	3#8	#10	3/4"C	
EF-1-6	EXHAUST FAN	120/1	0.3	0.4	MOTOR RATED SWITCH	15	2#12	#12	1/2"C	
ELEVATOR 1	ELEVATOR (20HP)	480/3	33.8	22.4	60/3 NEMA 3R SS	60	3#6	#10	1"C	
ELEVATOR 2	ELEVATOR (20HP)	240/3	74.3	24.7	200/3 NEMA 3R SS	110	3#2	#6	1-1/4"C	
EWH-1	ELEC. WATER HEATER	208/1	24.0	5.0	30/2 NEMA 1 SS	30	2#10	#10	1/2"C	
CP-1	CIRCULATION PUMP	120/1	1.0	0.1	MOTOR RATED SWITCH	20	2#12	#12	1/2"C	

MECHANICAL EQUIPMENT COORDINATION GENERAL NOTES:

1. COORDINATE WITH THE MECHANICAL CONTRACTOR TO ENSURE ALL DISCONNECTS AND/OR VFD'S ARE PROVIDED AS REQUIRED.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE INTERLOCKING CONNECTIONS FOR ALL HVAC EQUIPMENT AS REQUIRED. REFER TO THE MECHANICAL SCHEDULES FOR EXACT INTERLOCKING INFORMATION.
3. ALL EXHAUST FAN INTERLOCKS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. REFER TO THE EXHAUST FAN SCHEDULE FOR INTERLOCKING REQUIREMENTS.
4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT LOCATION, WIRING AND CONNECTION OF ALL EQUIPMENT WITH THE EQUIPMENT INSTALLER PRIOR TO INSTALLATION.
5. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A 4" SQUARE OUTLET BOX WITH SINGLE GANG PLASTER RING FOR EACH THERMOSTAT. PLASTER RING SHALL BE MOUNTED IN A VERTICAL ORIENTATION. 56" A.F.F. TO CENTER UNLESS NOTED OTHERWISE. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A 3/4" CONDUIT FROM THERMOSTAT OUTLET BOX UP IN WALL TO 6" ABOVE CEILING HEIGHT AND OUT OF WALL. EXTEND CONDUIT TO AREA WITH ACCESSIBLE CEILING. LABEL CONDUIT ABOVE ACCESSIBLE CEILING WITH SERVED THERMOSTAT LOCATION. CONDUIT SHALL HAVE NYLON INSULATING BUSHING ON EACH END. PROVIDE PULL STRING IN CONDUIT. REFER TO MECHANICAL DRAWINGS FOR THERMOSTAT LOCATIONS. MOUNT UNIT HEATER THERMOSTATS AS REQUIRED.
6. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL EQUIPMENT SITE SWITCHES PRIOR TO INSTALLATION.
7. ALL DISCONNECTS FOR EQUIPMENT SHALL BE MOUNTED SECURELY TO THE FLOOR OR STRUCTURE. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL UNISTRUT AND MOUNTING HARDWARE AS REQUIRED TO MOUNT THE DISCONNECTS. ALL EXTERIOR DISCONNECTS SHALL BE NEMA-3R.
8. CIRCUIT BREAKERS SERVING EQUIPMENT ARE BASIS OF DESIGN ONLY. EXACT CIRCUIT BREAKER AND CONDUCTOR SIZES SHALL BE COORDINATED WITH ACTUAL EQUIPMENT BEING INSTALLED PRIOR TO ORDERING OF PANELBOARD. ANY COST INCREASE ASSOCIATED WITH INCREASED CIRCUIT REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE EQUIPMENT INSTALLER. ELECTRICIAN SHALL SIZE CIRCUIT BREAKERS, CONDUCTORS, CONDUITS, AND DISCONNECTS IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND INDICATE THE APPROPRIATE CHANGES ON AS-BUILT DOCUMENTS.
9. IN ALL MECHANICAL ROOMS, COORDINATE WITH THE MECHANICAL CONTRACTOR TO ENSURE CODE REQUIRED CLEARANCES AND WORKING SPACES ARE MAINTAINED AT ALL ELECTRICAL EQUIPMENT.
10. SIZE CIRCUIT CONDUCTORS BASED ON VOLTAGE DROP FOR ACTUAL CIRCUIT LENGTH.

REFERENCE TYPICAL EXTERIOR AC/HP ELECTRICAL CONNECTION DETAIL FOR EXTERIOR DISCONNECT MOUNTING AND CONNECTION REQUIREMENTS FOR ALL EXTERIOR HVAC EQUIPMENT.

KITCHEN EQUIPMENT GENERAL NOTES:

1. COORDINATE THE EXACT LOCATIONS OF RECEPTACLES AND DISCONNECTS WITH THE EQUIPMENT SUPPLIER AND OWNER PRIOR TO INSTALLATION. ALL RECEPTACLES AND DISCONNECTS ARE TO BE COORDINATED WITH THE KITCHEN EQUIPMENT
2. PRIOR TO INSTALLATION, MOUNTING HEIGHTS ARE TO BE SUCH THAT THE CORD LENGTH IS MINIMIZED.
3. THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL UNISTRUT. ANGLES AND OTHER HARDWARE AS REQUIRED TO MOUNT OUTLETS AS SHOWN. THE UNISTRUT SHALL BE USED FOR OTHER SERVICES SUCH AS GAS, WATER, ETC. - COORDINATE WITH THE RESPECTIVE CONTRACTORS AS REQUIRED. THE UNISTRUT IS TO BE STAINLESS STEEL.
4. ALL HOOD EXHAUST FAN AND SUPPLY FAN DISCONNECTS ARE TO BE PROVIDED WITH A NEMA SIZE 0 COMBISTARTER. AN ADDITIONAL HOOD CONTROL SWITCH IS TO BE PROVIDED AND INSTALL AT THE HOOD SERVED BY THE FAN (COORDINATE THE LOCATION WITH THE HOOD SUPPLIER).
5. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT RECEPTACLE TYPE AND VOLTAGE FOR ALL EQUIPMENT WITH THE RESPECTIVE EQUIPMENT SUPPLIER (INCLUDING KITCHEN EQUIPMENT) PRIOR TO INSTALLATION.
6. LOCATION OF ALL ELECTRICAL ROUGH-INS FOR EQUIPMENT SHALL BE COORDINATED WITH FINAL EQUIPMENT LOCATION APPROVED BY OWNER AND ARCHITECT PRIOR TO ROUGH-IN. POWER REQUIREMENTS FOR ALL EQUIPMENT SHALL BE COORDINATED PRIOR TO ORDER AND INSTALLATION.
7. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL CONDUIT, WIRE, BOXES, ETC. REQUIRED TO MAKE THE FREEZER AND COOLER UNITS FULLY FUNCTIONAL. THE ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT POWER REQUIREMENTS FOR THE FREEZER AND COOLER UNITS PRIOR TO ORDER AND INSTALLATION.
8. PROVIDE INTERLOCK CONNECTIONS BETWEEN THE HOOD EXHAUST AND SUPPLY FANS AND THE HOOD CONTROLLER PER MANUFACTURER REQUIREMENTS.

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PROJECT ISSUES:

CONCEPT SKETCHES	2025-05-05
SCHEMATIC DESIGN	2026-04-10
REVISED PLAN	2026-05-18
DESIGN DEVELOPMENT	2026-06-26
CONSTRUCTION DOCUMENTS	2026-09-15

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ELECTRICAL ENGINEER: NICK JOHNSON, P.E.
FLORIDA REG. NO. 91642

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AMI CONSULTING LLC
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DAY CONSULTING
PLUMBING
DAY CONSULTING
ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NUMBER:
E301

CONSTRUCTION DOCUMENTS

PRINT DATE:

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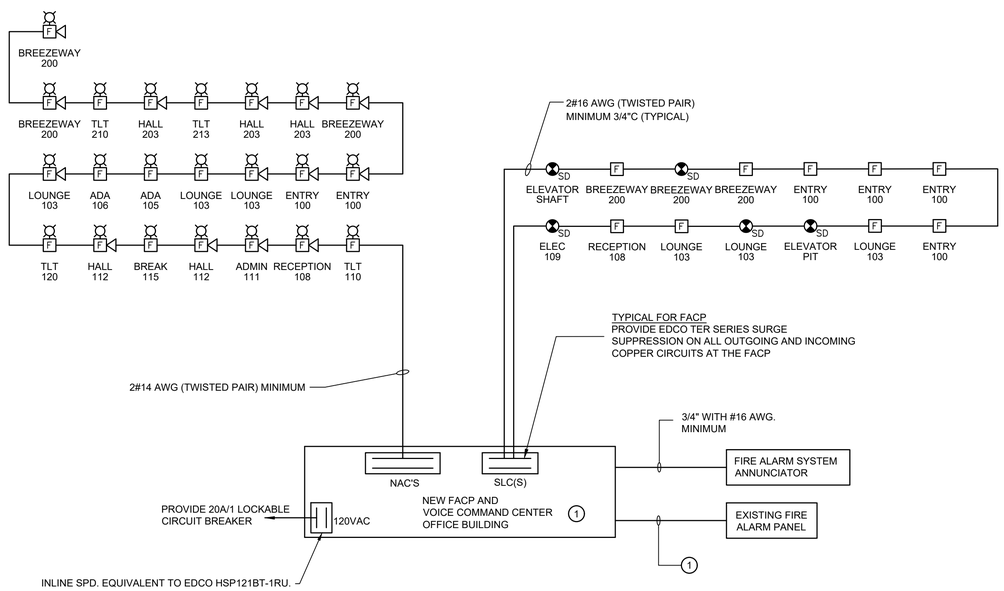

FIRE ALARM SYSTEM RISER DIAGRAM - OFFICE BUIDLING

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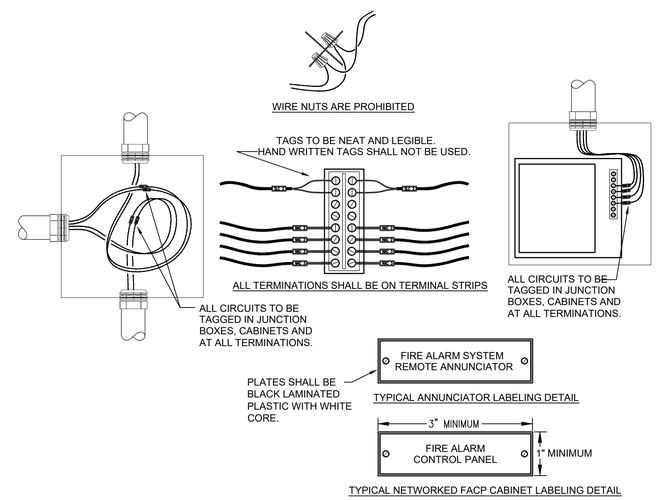
SHEET NOTES: FIRE ALARM SYSTEM RISER DIAGRAM - OFFICE BUILDING

1. INTERCONNECT NEW FIRE ALARM CONTROL PANEL WITH EXISTING FIRE-LITE MS-10UD FIRE ALARM CONTROL PANEL AND EXISTING EMERGENCY COMMAND CENTER. FIELD VERIFY EXACT LOCATION OF EXISTING FACP AND COMMAND CENTER. PROVIDE ALL LISTED SYSTEM INTERFACE EQUIPMENT, SURGE PROTECTION, SOFTWARE, PROGRAMMING, AND OTHER EQUIPMENT REQUIRED TO PROVIDE A SINGLE, FULLY INTEGRATED FIRE ALARM AND EMERGENCY COMMUNICATION SYSTEM. ALARM, SUPERVISORY, TROUBLE, RESET, SILENCE, OCCUPANT NOTIFICATION, AND EMERGENCY COMMUNICATION FUNCTIONS SHALL OPERATE THROUGHOUT THE ENTIRE BUILDING AS REQUIRED. PROVIDE 1"C WITH MANUFACTURER-APPROVED FIRE ALARM CABLE BETWEEN PANELS; ROUTE THROUGH THE BUILDING AS REQUIRED AND FIELD-COORDINATE THE EXACT ROUTING WITH EXISTING CONDITIONS. VERIFY EXISTING EQUIPMENT, SOFTWARE, CAPACITY, AND COMPATIBILITY PRIOR TO INSTALLATION. MODIFY, EXPAND, OR REPLACE EXISTING EQUIPMENT AS REQUIRED TO PROVIDE A COMPLETE, LISTED, CODE-COMPLIANT SYSTEM. COORDINATE FINAL SYSTEM CONFIGURATION WITH THE EQUIPMENT MANUFACTURER AND AUTHORITY HAVING JURISDICTION. INCLUDE THE COMPLETE COST OF THE NEW FIRE ALARM SYSTEM AND ALL REQUIRED MODIFICATIONS, UPGRADES, OR REPLACEMENT OF THE EXISTING SYSTEM IN THE BASE BID.

FIRE ALARM SYSTEM GENERAL NOTES:

1. ALL FIRE ALARM SYSTEM CONDUITS SHALL BE 3/4" MINIMUM, UNLESS NOTED OTHERWISE.
2. VERIFY EXACT NUMBER OF DEVICES FROM FLOOR PLAN, NOT RISER DIAGRAM.
3. WIRE SIZE INDICATED IS MINIMUM SIZE ACCEPTABLE. UPSIZE WIRES AS REQUIRED DUE TO VOLTAGE DROPS AND AMPERAGE LIMITATIONS.
4. THE NAC CIRCUITS ARE SHOWN DIAGRAMATIC. MAXIMUM NUMBER OF STROBES ON ANY CIRCUIT IS LIMITED. SEE SPECIFICATIONS.
5. SLC LOOP TO CONNECT ALL ADDRESSABLE FIRE ALARM SYSTEM DEVICES FROM FLOOR PLANS. PROVIDE ADDITIONAL LOOP(S) AS REQUIRED. SEE SPECIFICATIONS.
6. BATTERY CABINETS AND NAC EXPANDERS SHALL BE LOCATED BELOW OR ADJACENT TO FIRE ALARM CONTROL PANEL.



FIRE ALARM SYSTEM LABELING DETAIL

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ELECTRICAL
JOHNSON ENGINEERING

PROJECT:
FIRST BAPTIST CHURCH OF FORT WALTON BEACH

FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
FIRE ALARM RISER

SHEET NUMBER:
E400

CONSTRUCTION DOCUMENTS

PRINT DATE:

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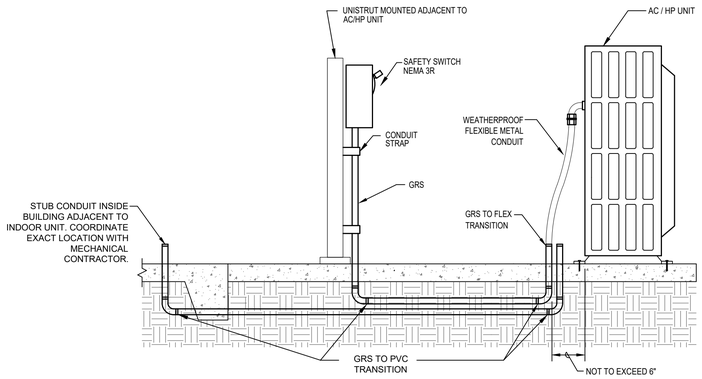

1 / E500 TYPICAL EXTERIOR AC/HP ELECTRICAL CONNECTION DETAILS

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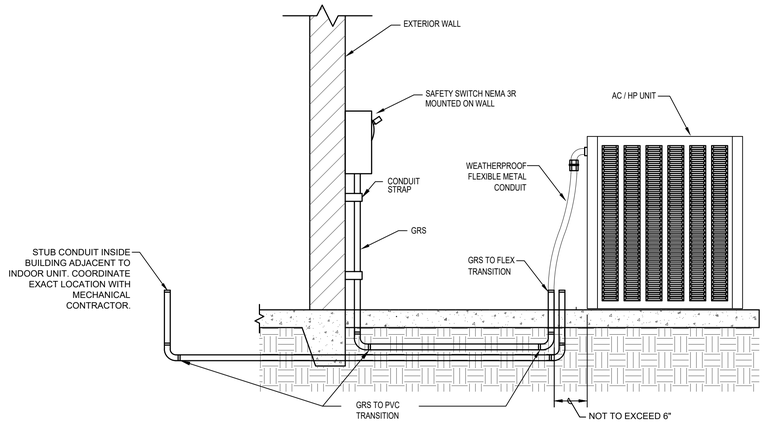
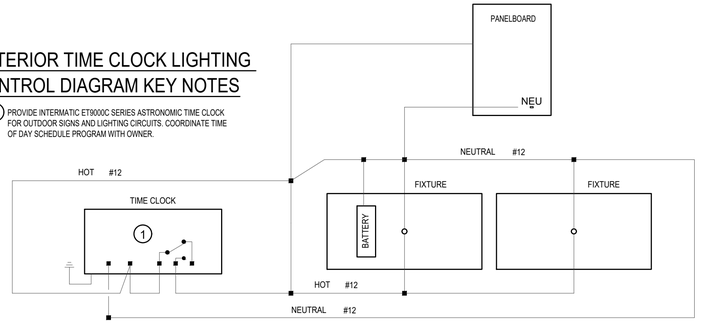


EXTERIOR TIME CLOCK LIGHTING CONTROL DIAGRAM KEY NOTES

1. PROVIDE INTERMATIC ET9000C SERIES ASTRONOMIC TIME CLOCK FOR OUTDOOR SIGNS AND LIGHTING CIRCUITS. COORDINATE TIME OF DAY SCHEDULE PROGRAM WITH OWNER.



2 / E500 EXTERIOR TIME CLOCK LIGHTING CONTROL DIAGRAM

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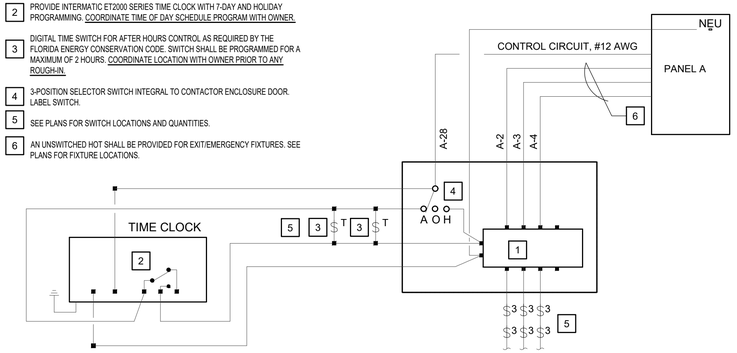
INDOOR TIME CLOCK LIGHTING CONTROL DIAGRAM KEY NOTES

1. CUTLER HAMMER CLASS ECL03 ELECTRICALLY HELD LIGHTING CONTACTOR IN NEMA 1 ENCLOSURE. ECL03-C1H4A-S3. PROVIDE NAMEPLATE.
2. PROVIDE INTERMATIC ET2000 SERIES TIME CLOCK WITH 7-DAY AND HOLIDAY PROGRAMMING. COORDINATE TIME OF DAY SCHEDULE PROGRAM WITH OWNER.
3. DIGITAL TIME SWITCH FOR AFTER HOURS CONTROL AS REQUIRED BY THE FLORIDA ENERGY CONSERVATION CODE. SWITCH SHALL BE PROGRAMMED FOR A MAXIMUM OF 2 HOURS. COORDINATE LOCATION WITH OWNER PRIOR TO ANY ROUGH-IN.
4. 3-POSITION SELECTOR SWITCH INTEGRAL TO CONTACTOR ENCLOSURE DOOR. LABEL SWITCH.
5. SEE PLANS FOR SWITCH LOCATIONS AND QUANTITIES.
6. AN UNSWITCHED HOT SHALL BE PROVIDED FOR EXIT/EMERGENCY FIXTURES. SEE PLANS FOR FIXTURE LOCATIONS.



3 / E500 INTERIOR TIME CLOCK LIGHTING CONTROL DIAGRAM

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PROJECT:
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FORT WALTON BEACH FLORIDA

PROJECT NO. : 25034
SHEET TITLE:
ELECTRICAL DETAILS

SHEET NUMBER:
E500

CONSTRUCTION DOCUMENTS

PRINT DATE:

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