NEW OFFICE BUILDING FOR
THE FORT WALTON BEACH CEMETERY
316 BEAL PKWY NW, WALTON BEACH, FLORIDA
32548

APPLICABLE CODES

STATE CODES	NATIONAL CODES
2020 FLORIDA BUILDING CODE: RESIDENTIAL 2020 FLORIDA PLUMBING CODE 2020 FLORIDA MECHANICAL CODE 2020 FBC: ENERGY CONSERVATION, 6th EDITION	2020 NFPA 70 NATIONAL ELECTRICAL CODE 2020 FIRE PREVENTION CODE [7th EDITION] 2020 NFPA 1 & NFPA 101

BUILDING AREA

1st FLOOR AREA:

OFFICE AREA	925.00 SQ. FT.
GARAGES	575.00 SQ. FT
TOTAL ENCLOSED	1,500.00 SQ. FT.
TOTAL COVERED	72.00 SQ.FT.
TOTAL BUILDING AREA	1,572.00 sq. ft.

SITE INFORMATION

WIND LOAD:	145 MPH FASTEST MILE WIND LOAD
EXPOSURE:	EXPOSURE "B"
RISK CATEGORY:	II
JURISDICTION:	FORT WALTON BEACH, OKALOOSA COUNTY

CODE ANALYSIS:

CH. 3 USE AND OCCUPANCY CLASSIFICATION
SECTION 304 BUSINESS GROUP B [OFFICES]
SECTION 311 STORAGE GROUP S-1

CH. 5 GENERAL BUILDING HEIGHTS AND AREAS
TABLE 504.3 TYPE II-B - 75' HEIGHT LIMIT [18'-0" ACTUAL]
TABLE 504.4 3 STORY [1 ACTUAL]
TABLE 506.2 38,000 SF LIMIT [1,500 SF ACTUAL]
ACTUAL MAXIMUM HEIGHT = 18'-0" (HIGHEST POINT)
ACTUAL NUMBER OF STORIES = 1

CH. 6 TYPES OF CONSTRUCTION
TABLE 601 CONSTRUCTION TYPE: II-B

STRUCTURAL FRAME:	0 HOUR
BEARING WALLS - EXTERIOR:	0 HOUR
BEARING WALLS - INTERIOR:	0 HOUR
NON-BEARING WALLS:	0 HOUR
FLOOR CONSTRUCTION:	0 HOUR
ROOF CONSTRUCTION:	0 HOUR

(NOT REQUIRED FOR ROOF CONSTRUCTION OVER 20' A.F.F.)
TABLE 602 PERIMETER WALLS GREATER THAN 30' FROM PROPERTY LINE REQUIRES NO FIRE RATING

CH. 8 INTERIOR FINISHES
TABLE 803.11 NON-SPRINKLERED BUILDING EXIT ENCLOSURES & EXIT

PASSAGEWAYS:	CLASS B FINISH
CORRIDORS:	CLASS B FINISH
ROOMS & ENCLOSED SPACES:	CLASS C FINISH

CH.9 FIRE PROTECTION SYSTEMS
AN AUTOMATIC SPRINKLER SYSTEM IS NOT REQUIRED
TABLE 906.3(1) MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER: 75 FEET
TABLE 906.3(2) BASIC MINIMUM EXTINGUISHER RATING: 5-B
907 FIRE ALARM AND DETECTION SYSTEM IS REQUIRED

CH. 10 MEANS OF EGRESS
1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

BUSINESS GROUP B [OFFICES] (1 per 150 sf):		7 TOTAL
STORAGE GROUP S	(1 Per 300 sf)	2 TOTAL

1005.1 EGRESS WIDTH:

STAIRWAYS:	0.3"/PERSON
OTHER COMPONENTS:	0.2"/PERSON

TABLE 1006.2.1 COMMON PATH OF EGRESS TRAVEL: 75 FEET IN GROUP B
TABLE 1006.2.1 1 EXITS REQUIRED FOR LESS THAN 49 OCCUPANTS PER FLOOR
1008 EMERGENCY LIGHTING IS REQUIRED
1010 REQUIRED EGRESS DOORS WILL COMPLY WITH ADA
1010.1.10 PANIC HARDWARE REQUIRED ON EXIT DOORS SERVING MORE THAN 50 OCCUPANTS
1013 EXIT SIGNS REQUIRED ALONG THE EGRESS PATH
TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE BY OCCUPANCY:

BUSINESS GROUP B	200 FT.
STORAGE GROUP S-1	200 FT.

TABLE 1020.1 CORRIDOR FIRE RESISTANT RATING BY OCCUPANCY: FOR NON-SPRINKLERED BUILDING: 1 HOUR RATING

CH. 11 ACCESSIBILITY
WILL COMPLY WITH 2020 FLORIDA BUILDING CODE, ACCESSIBILITY, 7TH ED.

CH. 12 INTERIOR ENVIRONMENT
INTERIOR ENVIRONMENT- REFER TO MEP

CH. 13 ENERGY EFFICIENCY
WILL COMPLY WITH 2020 FLORIDA BUILDING CODE, ENERGY CONSERVATION, 7TH ED

PLUMBING FIXTURE COUNT

CH.4 FIXTURES, FAUCETS AND FIXTURE FITTINGS
TABLE 403.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

WATER CLOSET	
BUSINESS @ 1 per 25 (7occ / 25)	.28
STORAGE @ 1 per 100 (2occ / 100)	.02
TOTAL WATER CLOSETS REQUIRED	.30 = 1
WATER CLOSETS PROVIDED	2
LAVATORIES	
BUSINESS @ 1 per 25 (7occ / 25)	.28
STORAGE @ 1 per 100 (2occ / 100)	.02
TOTAL LAVATORIES REQUIRED	.30 = 1
LAVATORIES PROVIDED	2
DRINKING FOUNTAIN	
BUSINESS @ 1 per 40 (7occ / 40)	.18
STORAGE @ 1 per 100 (2occ / 100)	.02
TOTAL DRINKING FOUNTAINS	.20 = 1
DRINKING FOUNTAINS PROVIDED	1 STANDARD 1 ADA COMPLIANT

INDEX TO DRAWINGS

VICINITY MAP

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STATE OF FLORIDA · JASON DANIEL FLOYD · REGISTERED ARCHITECT · AR93906

DATE: MARCH 15, 2022
DRAWN BY: md
PROJECT NO: 2120
REVISIONS:
FOR BID

TITLE SHEET & CODE ANALYSIS

G1.01

27-Mar-2022

THE 2020 FLORIDA BUILDING CODE: ACCESSIBILITY, 7th EDITION CHAPTER 4: SECTION 404 DOORS, DOORWAYS AND GATES

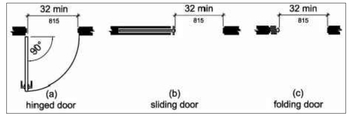
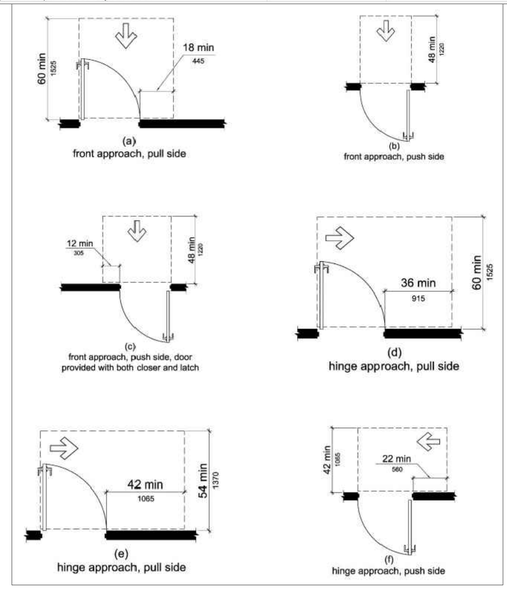


FIGURE 404.2.3 CLEAR WITH OF DOORWAYS

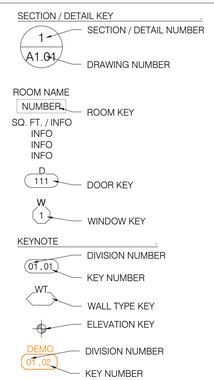
TABLE 404.2.4.1 MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS AND GATES

Type of Use		Minimum Maneuvering Clearance	
Approach Direction	Door or Gate Side	Perpendicular to Doorway	Parallel to Doorway(beyond latch side unless noted)
From front	Pull	60 inches (1525 mm)	18 inches (455 mm)
From front	Push	48 inches (1220 mm)	0 inches (0 mm)1
From hinge side	Pull	60 inches (1525 mm)	36 inches (915 mm)
From hinge side	Pull	54 inches (1370 mm)	42 inches (1065 mm)
From hinge side	Push	42 inches (1065 mm)2	22 inches (560 mm)3
From latch side	Pull	48 inches (1220 mm)4	24 inches (610 mm)
From latch side	Push	42 inches (1065 mm)4	24 inches (610 mm)

1.Add 12 inches (305 mm) if closer and latch are provided.
2.Add 6 inches (150 mm) if closer and latch are provided.
3.Beyond hinge side.
4.Add 6 inches (150 mm) if closer is provided.



SYMBOLS LEGEND



ABBREVIATIONS

A

A/C	AIR CONDITIONER.
ADA	AMERICANS WITH DISABILITIES ACT.
AFF	ABOVE FINISH FLOOR.
AL	ALUMINUM.
ALSF	ALUMINUM STOREFRONT WINDOW / DOOR SYSTEM.

B

BLDG	BUILDING.

C

CARP	CARPET
C / T	CARPET TILE, 24" x 24"
CDX	PLYWOOD, CLASS C TO D EXPOSURE
CL	CENTERLINE.
CLG	CEILING.
CLO	CLOSET.
CMU	CONCRETE MASONRY UNIT.
CONC	CONCRETE.
CONT	CONTINUOUS
CT	CERAMIC TILE
CW	CURTAIN WALL [GLAZING].

D

DBL	DOUBLE
DEMO	DEMOLITION
DIA	DIAMETER.
DN	DOWN
DWG	DRAWING

E

EJ	EXPANSION JOINT.
ELEV	ELEVATION or ELEVATOR.
EPX	EPOXY FLOOR COATING.
ES	EXPOSED STRUCTURE.
EX	EXISTING
EXP	EXPOSED

F

F	FLUSH [DOOR].
FE	FINISH ELEVATION.
FFE	FINISH FLOOR ELEVATION
FEC	FIRE EXTINGUISHER AND CABINET.
FG	FULL GLASS
FIN	FINISH
FLR	FLOOR
FRP	FIBERGLASS REINFORCED PANELS
FT	FOOT // FEET

G

GALV	GALVANIZED.
GHM	GALV. HOLLOW METAL [DOOR].
GS	GALV. STEEL.
GYM	GYMNASIUM // GYMNASIUM FLOORING AND BASE SYSTEM.
GYP1	5/8" TYPE 'X' GYPSUM BOARD.
GYP2	5/8" TYPE 'X' GYPSUM BOARD, MOISTURE RESISTANT.
GYPA	5/8" TYPE 'X' GYPSUM BOARD. IMPACT RESISTANT.

H

H	HEIGHT // HIGH.
HC	HANDICAP ACCESSIBLE
HDW	HARDWARE [DOOR // WINDOW]
HR	HOUR
HVAC	HEATING, VENTILATION AND AIR CONDITIONING.
HM	HOLLOW METAL.
HORIZ	HORIZONTAL.

I

J

K

L

LMIR	LARGE MISSILE IMPACT RATED [DOOR // WINDOW]
LPF	LUXURY VINYL PLANK FLOORING

M

MATL	MATERIAL.
MAX	MAXIMUM.
MECH	MECHANICAL
MI	MIRROR IMAGE

N

N/A	NOT APPLICABLE.
NFPA	NATIONAL FIRE PROTECTION AGENCY
NIC	NOT IN CONTRACT
NL	NARROW LIGHT [DOOR / GLAZING].
NTS	NOT TO SCALE

O

OC	ON CENTER
OCC	OCCUPANCY [TYPE OR LOAD]
OCD	OVERHEAD COILING DOOR.
OD	OVERHEAD [GARAGE / PANEL] DOOR.

P

P1	PAINT, TYPE 1.
PH	PRE-HUNG [DOOR]
PR	PAIR
PT	PRESSURE TREATED.

Q

R

R-38	INSULATION VALUE
R 1'-11"	RADIUS
R	RUBBER [BASE].
RM	ROOM.
RO	ROUGH OPENING

S

SAP	SUSPENDED ACOUSTIC PANEL CEILING SYSTEM WITH EXPOSED GRID.
SHT	SHEET
SIM	SIMILAR
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
SQ FT	SQUARE FOOTAGE.
STL	STEEL
STN	STAINED, WOOD.
STRUCT	STRUCTURAL

T

TBD	TO BE DETERMINED.
T.O.F.	TOP OF FOOTING
TYP	TYPICAL
T & G	TONGUE GROOVE
T & S	TAPED, SANDED AND PRIMED

U

UNO	UNLESS NOTED OTHERWISE.

V

VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VLP	VINYL LAMINATE PLANK
VTR	VENT THROUGH ROOF

W

W	WIDE // WIDTH.
W /	WITH.
W / O	WITHOUT
WD	WOOD.
WH	WATER HEATER
WWF	WELDED WIRE FABRIC

X

Y

Z

SYMBOLS

@	AT
&	AND
#	NUMBER

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STATE OF FLORIDA · REGISTERED ARCHITECT · JASON DANIEL FLOYD · AR93506

DATE: MARCH 15, 2022
DRAWN BY: mcl
PROJECT NO: 2120
REVISIONS:
FOR BID

MISCELLANEOUS

G1.02

GENERAL NOTES:

1. TO THE BEST OF OUR KNOWLEDGE, THE STRUCTURAL PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 2020 7TH EDITION.
2. THE STRUCTURAL DOCUMENTS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DOCUMENTS. USE THESE NOTES IN CONJUNCTION WITH THE SPECIFICATIONS. IF A CONFLICT EXISTS, THE MORE STRINGENT GOVERNS.
3. COMPLY WITH REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, AND ALL OTHER APPLICABLE FEDERAL STATE, AND LOCAL CODES, STANDARDS, REGULATIONS AND LAWS.
4. ALL REFERENCED STANDARDS REFER TO THE EDITION IN FORCE AT THE TIME THESE PLANS AND SPECIFICATIONS ARE ISSUED FOR BIDDING.
5. REVIEW ALL CONTRACT DOCUMENTS, DIMENSIONS AND SITE CONDITIONS AND COORDINATE WITH FIELD DIMENSIONS AND PROJECT SHOP DRAWINGS PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES IN WRITING TO THE ARCHITECT/ENGINEER. DO NOT CHANGE SIZE OR DIMENSIONS OF STRUCTURAL MEMBERS WITHOUT WRITTEN INSTRUCTIONS FROM THE STRUCTURAL ENGINEER OF RECORD.
6. ANY DISCREPANCIES, OMISSIONS, OR VARIATIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS DISCOVERED DURING THE BIDDING PERIOD SHALL BE IMMEDIATELY COMMUNICATED IN WRITING TO THE ARCHITECT/ENGINEER.
7. PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITY LINES FROM ALL DAMAGE. EACH CONTRACTOR SHALL PROTECT HIS WORK, ADJACENT PROPERTY AND THE PUBLIC. EACH CONTRACTOR IS SOLELY RESPONSIBLE FOR DAMAGE OR INJURY DUE TO HIS ACT OR NEGLECT.
8. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SAFETY AND CONSTRUCTION PROCEDURES.
9. DO NOT SCALE DRAWINGS; USE DIMENSIONS.
10. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS IN STRUCTURE NOT SHOWN ON STRUCTURAL DRAWINGS.
11. DETAILS LABELED "TYPICAL DETAILS" ON THE DRAWINGS APPLY TO ALL SITUATIONS THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION. QUESTIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE RESOLVED BY THE ARCHITECT/ENGINEER.
12. REVISIONS ARE IDENTIFIED BY A REVISION NUMBER WITHIN A TRIANGLE. ALL REVISIONS ISSUED ON A SINGLE DATE WILL BE IDENTIFIED BY THE SAME REVISION NUMBER ISSUED CONSEQUENTLY.
13. CURRENT REVISIONS ARE ENCIRCLED BY AN IRREGULAR "CLOUD", AS WELL AS FLAGGED WITH THE CURRENT REVISION NUMBER. CLOUDS ARE REMOVED FROM PREVIOUSLY ISSUED REVISIONS.
14. DESIGN LOADS AND CRITERIA:
    - FLOOR LIVE LOAD 40 PSF
    - PARTITION LOAD 15 PSF
    - ROOF LIVE LOAD 20 PSF
    - FLOOR DEAD LOAD SELF WEIGHT

    - WIND CRITERIA ASCE 7-16
    - ULTIMATE WIND SPEED 160 MPH
    - RISK CATEGORY I I
    - IMPORTANCE FACTOR 1.00
    - STRUCTURE TYPE ENCLOSED

SHOP DRAWINGS REQUIRING ENGINEERING INPUT BY SPECIALTLY ENGINEER:

1. SPECIALTY ENGINEER:
   A. DEFINITION - A FLORIDA REGISTERED PROFESSIONAL ENGINEER WHO SPECIALIZES IN AND WHO UNDERTAKES THE DESIGN OF STRUCTURAL COMPONENTS OR STRUCTURAL SYSTEMS INCLUDED IN A SPECIFIC SUBMITTAL PREPARED FOR THIS PROJECT.
   B. SHALL BE:
      1. AN EMPLOYEE OR OFFICER OF A FABRICATOR.
      2. AN EMPLOYEE OR OFFICER OF AN ENTITY SUPPLYING COMPONENTS TO A FABRICATOR.
      3. AN INDEPENDENT CONSULTANT RETAINED BY THE FABRICATOR OR HIS SUPPLIER.
2. THE FOLLOWING SYSTEMS AND COMPONENTS AS A MINIMUM REQUIRE FABRICATION AND ERECTION DRAWINGS WITH INPUT BY A SPECIALTY ENGINEER. PRE-ENGINEERED METAL BUILDING AND ROOF COMPONENTS
3. THE SPECIALTY ENGINEER OR MANUFACTURER SHALL DESIGN, PROVIDE, AND INSTALL THEIR COMPONENTS AND THE COMPONENT CONNECTIONS TO THE PRIMARY STRUCTURE PER THE WIND CRITERIA STATED IN GENERAL NOTE 14 OR THE CURRENT GOVERNING BUILDING CODES, WHICHEVER IS MORE STRINGENT.
4. SUBMITTALS SHALL CLEARLY IDENTIFY THE SPECIFIC PROJECT AND APPLICABLE CODES, LIST THE DESIGN CRITERIA, AND SHOW ALL DETAILS AND PLANS NECESSARY FOR PROPER FABRICATION AND INSTALLATION. CALCULATIONS AND SHOP DRAWINGS SHALL IDENTIFY SPECIFIC PRODUCT UTILIZED. GENERIC PRODUCTS WILL NOT BE ACCEPTED.
5. SHOP DRAWINGS AND CALCULATIONS MUST BE PREPARED UNDER THE DIRECT SUPERVISION AND CONTROL OF THE SPECIALTY ENGINEER.
6. SHOP DRAWINGS AND CALCULATIONS REQUIRE THE EMBOSSED OR PRINTED SEAL, DATE AND SIGNATURE OF THE SPECIALTY ENGINEER. COMPUTER PRINTOUTS ARE AN ACCEPTABLE SUBSTITUTE FOR MANUAL COMPUTATIONS PROVIDED THEY ARE ACCOMPANIED BY SUFFICIENT DESCRIPTIVE INFORMATION TO PERMIT THEIR PROPER E VALUATION. SUCH DESCRIPTIVE INFORMATION SHALL BEAR THE EMBOSSED SEAL AND SIGNATURE OF THE SPECIALTY ENGINEER AS AN INDICATION THAT HE HAS ACCEPTED RESPONSIBILITY FOR THE RESULTS. THE STRUCTURAL ENGINEER WILL RETAIN ONE SIGNED AND SEALED SET FOR RECORD.
7. CATALOG INFORMATION ON STANDARD PRODUCTS DOES NOT REQUIRE THE SEAL OF A SPECIALTY ENGINEER.
8. REVIEW BY THE STRUCTURAL ENGINEER OF RECORD OF SUBMITTALS IS LIMITED TO VERIFYING THE FOLLOWING:
   A. THAT THE SPECIFIED STRUCTURAL SUBMITTALS HAVE BEEN FURNISHED.
   B. THAT THE STRUCTURAL SUBMITTALS HAVE BEEN SIGNED AND SEALED BY THE SPECIALTY ENGINEER.
   C. THAT THE SPECIALTY ENGINEER HAS UNDERSTOOD THE DESIGN INTENT AND HAS USED THE SPECIFIED STRUCTURAL CRITERIA. (NO DETAILED CHECK OF CALCULATIONS WILL BE MADE.)
   D. THAT THE CONFIGURATION SET FORTH IN THE STRUCTURAL SUBMITTALS IS CONSISTENT WITH THE CONTRACT DOCUMENTS. (NO DETAILED CHECK OF DIMENSIONS OR QUANTITIES WILL BE MADE.)
9. A LIST SHALL BE PREPARED AND MAINTAINED BY THE CONTRACTOR FOR ALL SHOP DRAWINGS REQUIRING PARTICIPATION OF A SPECIALTY ENGINEER. THE LIST SHALL CONTAIN PROJECT NAME, NAME OF CONTRACTOR, NAME OF SPECIALTY ENGINEER, DRAWING NUMBER, DRAWING TITLE AND THE LATEST REVISION NUMBER AND DATE. FOR PARTIAL SUBMITTALS, THE LIST SHALL CONTAIN ALL ANTICIPATED DRAWING NUMBERS AND TITLES REQUIRED TO COMPLETE THE CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE LATEST UPDATED LIST OF DRAWINGS WITH EACH SUBMITTAL.
10. SUBMITTALS NOT MEETING THE ABOVE CRITERIA WILL NOT BE REVIEWED AND WILL BE RETURNED TO C ONTRACTOR MARKED REVISE AND RESUBMIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS WHICH MAY RESULT.

REINFORCED CONCRETE:

1. USE STRUCTURAL CONCRETE AND CONCRETING PRACTICES CONFORMING TO ACI-316 AND 301 AND PROPORTION CONCRETE IN ACCORDANCE WITH ACI-318 CH. 4 AND MEETING A MIN. ULTIMATE COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS:
   - FOOTING 3000 PSI
   - GRADE BEAMS 3000 PSI

   PROVIDE CURRENT (MAX. 1 YEAR OLD) STATISTICAL DATA FOR EACH CONCRETE IX DESIGN SUBMITTED.
2. WHERE CONCENTRATION OF REINFORCING STEEL HINDERS PROPER CONSOLIDATION OF CONCRETE USE CONCRETE CONTAINING A SUPERPLASTICIZING (N.R.W.R.) ADMIXTURE, ASTM C494 TYPE F. SLUMP AFTER ADDITION OF SUPERPLASTICIZER SHALL BE 7"+1".
3. IF CONCRETE IS PUMPED, SLUMP MAY BE INCREASED TO 6" AT THE TRUCK, PROVIDED THE SLUMP SPECIFIED IN NOTE 2 IS MAINTAINED AT THE DISCHARGE END. USE A MINIMUM 4-INCH PUMP, UNLESS PRE-APPROVED BY ARCHITECT. TAKE CONCRETE SAMPLES FOR SLUMP AT TRUCK AND AT DISCHARGE END. TAKE CONCRETE SAMPLES FOR CYLINDER TESTING AT DISCHARGE END.
4. USE ASTM A-615 GR. 60 FOR ALL REINFORCING STEEL, CONFORM TO ACI-301, ACI-315,ACI-318, AND CRSI "MANUAL OF STANDARD PRACTICE". ALL REINFORCING SHALL BE ACCURATELY PLACED, RIGIDLY SUPPORTED AND FIRMLY TIED IN PLACE WITH BAR SUPPORTS AND SPACERS IN ACCORDANCE WITH THE ABOVE REQUIREMENTS. PROVIDE CLASS 'B' LAP SPLICE FOR CONTINUOUS BARS, U.O.N. LAP BOTTOM STEEL OVER SUPPORTS AND TOP STEEL AT MIDSPAN UNLESS OTHERWISE SPECIFIED. HOOK DISCONTINUOUS ENDS OF ALL TOP BARS AND ALL BARS IN WALLS U.O.N. USE 1" COVER OVER REINFORCING EXCEPT AS FOLLOWS:

	BOTTOM	TOP	SIDES
FOOTING/PILECAP	3"	2"	3"

5. USE PLAIN COLD-DRAWN ELECTRICALLY-WELDED STEEL WIRE FABRIC CONFORMING TO ASTM A 185. SUPPLY IN FLAT SHEETS ONLY. LAP SPLICES SHALL BE MEASURED BETWEEN THE OUTERMOST CROSS WIRES OF EACH FABRIC SHEET AND SHALL BE NOT LESS THAN TWICE THE SPACING OF THE CROSS WIRES PLUS 2".
6. SLEEVE ALL PIPES THROUGH SLABS INDIVIDUALLY, UNLESS APPROVED BY THE ENGINEER. WHERE PIPES OR DUCTS PENETRATE THE SLAB, A MAXIMUM OF TWO SLAB BARS MAY BE CUT PROVIDED THEY ARE #5 BARS OR SMALLER, PROVIDED SPLICED BARS ARE PLACED ALONGSIDE THE OPENING IN EACH DIRECTION WITH A 36 BAR DIAMETER SPLICE AT THE END OF EACH CUT BAR. SPLICE BARS SHALL HAVE THE EQUIVALENT CROSS-SECTIONAL AREA AS THE CUT BARS. FOR OPENINGS LARGER THAN 6" NOT SHOWN ON THE STRUCTURAL DRAWINGS SUBMIT SHOP DRAWINGS SHOWING SIZE AND LOCATION FOR THE ENGINEER'S REVIEW. PROVIDE (1) # 5x6'-0" EACH WAY DIAGONALLY AT CORNERS OF ALL OPENINGS LARGER THAN 12", UNLESS OTHERWISE NOTED.

SLABS ON GRADE:

1. PREPARE SUBGRADE AS PER THE RECOMMENDATION OUTLINED IN THE GEOTECHNICAL REPORT INCLUDED IN THE SPECIFICATIONS.
2. REINFORCE SLABS ON GRADE IN ACCORDANCE WITH PLANS, SECTIONS AND DETAILS PROVIDED FOR THIS PROJECT.
3. USE 10 MIL. POLYETHYLENE SHEETING BETWEEN SOIL AND CONCRETE SLAB, U.O.N.
4. PLACE CRACK CONTROL JOINTS AT 12 FT. MAX. SO AS TO LIMIT CONCRETE PLACEMENT AREAS TO 144 SQ. FT. MAX. IN ALL FLOATING SLABS ON GRADE. DO NOT EXCEED A 2 TO 1 WIDTH TO LENGTH RATIO. CONTRACTOR SHALL SUBMIT A CONTROL JOINT LAYOUT FOR ENGINEER'S REVIEW PRIOR TO CONCRETE PLACEMENT.
5. SLAB FINISHES (UNLESS OTHERWISE DIRECTED BY ARCHITECTURAL PLANS & SPECIFICATIONS):
   - EXTERIOR WALKING SURFACES - MEDIUM BROOM
   - DRIVING SURFACES - MEDIUM BROOM
   - INTERIOR SURFACES - STEEL TROWEL

Wind Loads - MWFRS h≤60' (Low-rise Buildings) except for open buildings

Kz = Kh (case 1) = 0.70 Edge Strip (a) = 3.0 ft
Base pressure (qh) = **39.0 psf** End Zone (2a) = 6.0 ft
GCpi = +/-0.00 Open Bildg - procedure doesn't apply Zone 2 length = 15.0 ft

Wind Pressure Coefficients

Surface	CASE A GCpf	CASE A w/-GCpi (θ = 9.5 deg)	CASE A w/+GCpi	CASE B GCpf	CASE B w/-GCpi	CASE B w/+GCpi
1	0.44	0.44	0.44	-0.45	-0.45	-0.45
2	-0.69	-0.69	-0.69	-0.69	-0.69	-0.69
3	-0.40	-0.40	-0.40	-0.37	-0.37	-0.37
4	-0.33	-0.33	-0.33	-0.45	-0.45	-0.45
5				0.40	0.40	0.40
6				-0.29	-0.29	-0.29
1E	0.67	0.67	0.67	-0.48	-0.48	-0.48
2E	-1.07	-1.07	-1.07	-1.07	-1.07	-1.07
3E	-0.58	-0.58	-0.58	-0.53	-0.53	-0.53
4E	-0.49	-0.49	-0.49	-0.48	-0.48	-0.48
5E				0.61	0.61	0.61
6E				-0.43	-0.43	-0.43

Ultimate Wind Surface Pressures (psf)

Surface	CASE A		CASE B	
1	17.1	17.1	-17.6	-17.6
2	-26.9	-26.9	-26.9	-26.9
3	-15.7	-15.7	-14.4	-14.4
4	-12.9	-12.9	-17.6	-17.6
5			15.6	15.6
6			-11.3	-11.3
1E	26.0	26.0	-18.7	-18.7
2E	-41.8	-41.8	-41.8	-41.8
3E	-22.5	-22.5	-20.7	-20.7
4E	-19.2	-19.2	-18.7	-18.7
5E			23.8	23.8
6E			-16.8	-16.8

Parapet
Windward parapet = 0.0 psf (GCpn = +1.5)
Leeward parapet = 0.0 psf (GCpn = -1.0)
Windward roof overhangs = 27.3 psf (upward) add to windward roof pressure

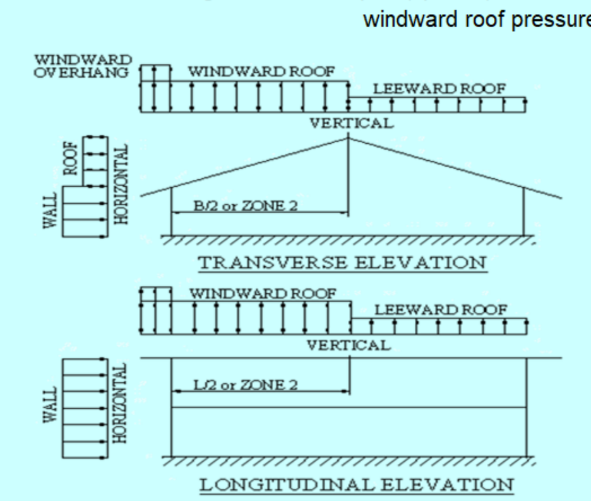
Horizontal MWFRS Simple Diaphragm Pressures (psf)

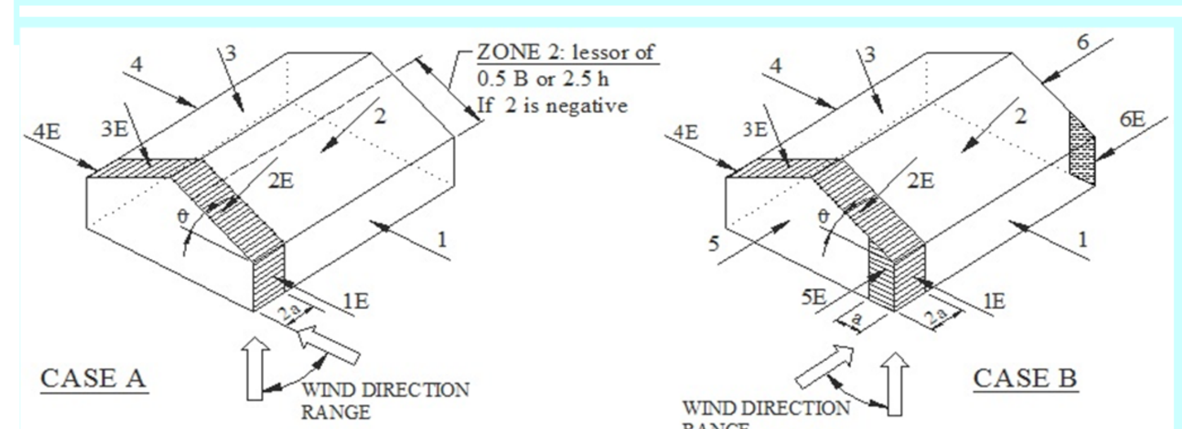
Transverse direction (normal to L)
Interior Zone: Wall 30.1 psf
Roof -11.2 psf **
End Zone: Wall 45.2 psf
Roof -19.2 psf **

Longitudinal direction (parallel to L)
Interior Zone: Wall 26.9 psf
End Zone: Wall 40.6 psf

** NOTE: Total horiz force shall not be less than that determined by neglecting roof forces (except for MWFRS moment frames).

The code requires the MWFRS be designed for a min ultimate force of 16 psf multiplied by the wall area plus an 8 psf force applied to the vertical projection of the roof.





NOTE: Torsional loads are 25% of zones 1 - 6. See code for loading diagram.
Exception: One story buildings h<30' and 1 to 2 storybuildings framed with light-frame construction or with flexible diaphragms need not be designed for the torsional load case.

ASCE 7-98 & ASCE 7-10 (& later) - MWFRS wind pressure zones

Wind Loads - Components & Cladding : h ≤ 60'

Ultimate Wind Pressures
Open Building - procedure doesn't apply

Kh (case 1) = 0.70 h = 15.0 ft
Base pressure (qh) = **39.0 psf** a = 3.0 ft
Minimum parapet ht = 0.0 ft GCpi = +/-0.00
Roof Angle (θ) = 9.5 deg qi = qh = 39.0 psf
Type of roof = Gable

Roof — Surface Pressure (psf)

Area	2 sf	10 sf	20 sf	50 sf	75 sf	100 sf	200 sf	250 sf	0 sf	User input 25 sf	User input 50 sf
Negative Zone 1 & 2e	-78.1	-78.1	-78.1	-44.7	-30.0	-39.0	-39.0	-39.0		-69.9	-44.7
Negative Zone 2n, 2r &3e	-117.1	-117.1	-100.3	-78.1	-68.2	-122.5	-88.9	-78.1		-94.9	-78.1
Negative Zone 3r	-140.5	-140.5	-119.3	-91.4	-79.0	-140.5	-140.5	-140.5		-112.5	-91.4
Positive All Zones	27.3	20.9	18.1	16	16.0	16.0	16.0	16.0		17.2	16.0
Overhang Zone 1 & 2e	-97.6	-97.6	-97.6	-75.3	-65.5	-117.1	-117.1	-117.1		-92.2	-75.3
Overhang Zone 2n & 2r	-136.6	-136.6	-124	-107.3	-100.0	-189.4	-164.2	-156.1		-119.9	-107.3
Overhang Zone 3e	-160	-160	-138.2	-109.3	-96.5	-174.8	-131.1	-117.1		-131.1	-109.3
Overhang Zone 3r	-183.4	-183.4	-155.2	-118	-101.5	-179.5	-179.5	-179.5		-146.2	-118.0

Parapet
qp = 0.0 psf

Solid Parapet Pressure		10 sf	20 sf	50 sf	100 sf	250 sf	500 sf	User input 50 sf
CASE A:	Zone 2e :	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Zone 2n, 2r & 3e :	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Zone 3r :	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CASE B :	Interior zone :	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Corner zone :	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Walls

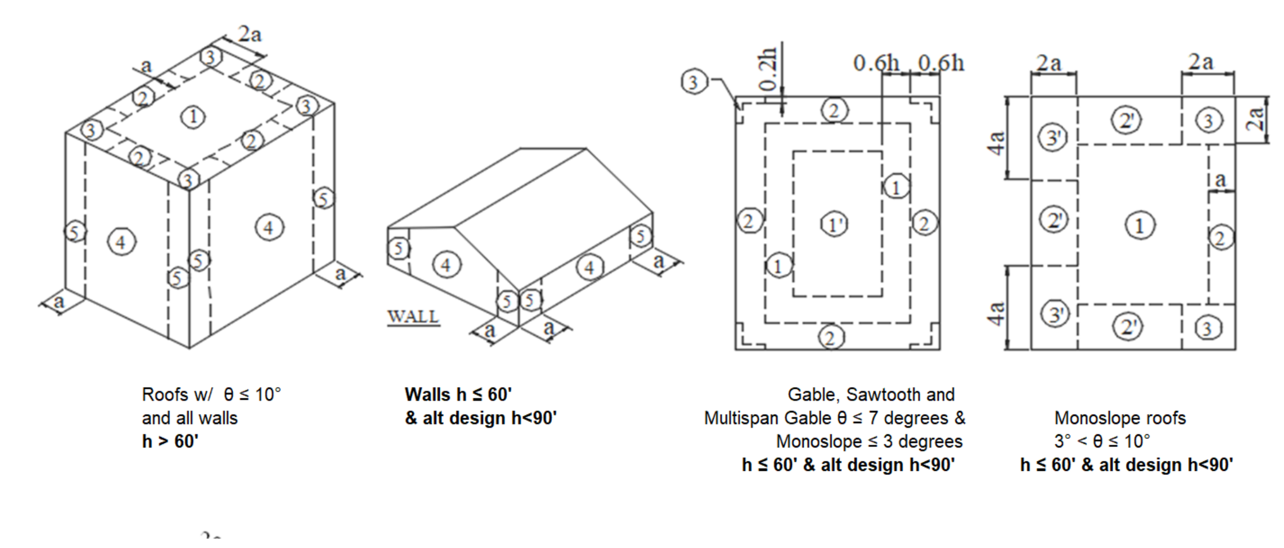
Area	GCp 20 sf	GCp 100 sf	GCp 200 sf	GCp 500 sf	Surface Pressure at h 20 sf	100 sf	200 sf	500 sf	User input 10 sf	User input 200 sf
Negative Zone 4	-0.90	-0.80	-0.76	-0.70	-35.1	-31.2	-29.5	-27.3	-35.1	-29.5
Negative Zone 5	-1.80	-1.40	-1.23	-1.00	-70.2	-54.6	-47.9	-39.0	-70.2	-47.9
Positive Zone 4 & 5	0.90	0.75	0.69	0.60	35.1	29.3	26.7	23.4	35.1	26.7

NOTE: Negative zones 4 & 5 pressures apply to all heights. Positive pressures vary with height, see below.

Wall surface pressure at 'z' — Positive zone 4 & 5 (psf)

	z	Kz	Kzt	qz (psf)	20	100	200	500	User input 10 sf	User input 200 sf
h =	0 to 15'	0.70	1.00	39.0	35.1	29.3	26.7	23.4	35.1	26.7
ridge =	17.5 ft	0.70	1.00	39.0	35.1	29.3	26.7	23.4	35.1	26.7

Location of C&C Wind Pressure Zones - ASCE 7-16

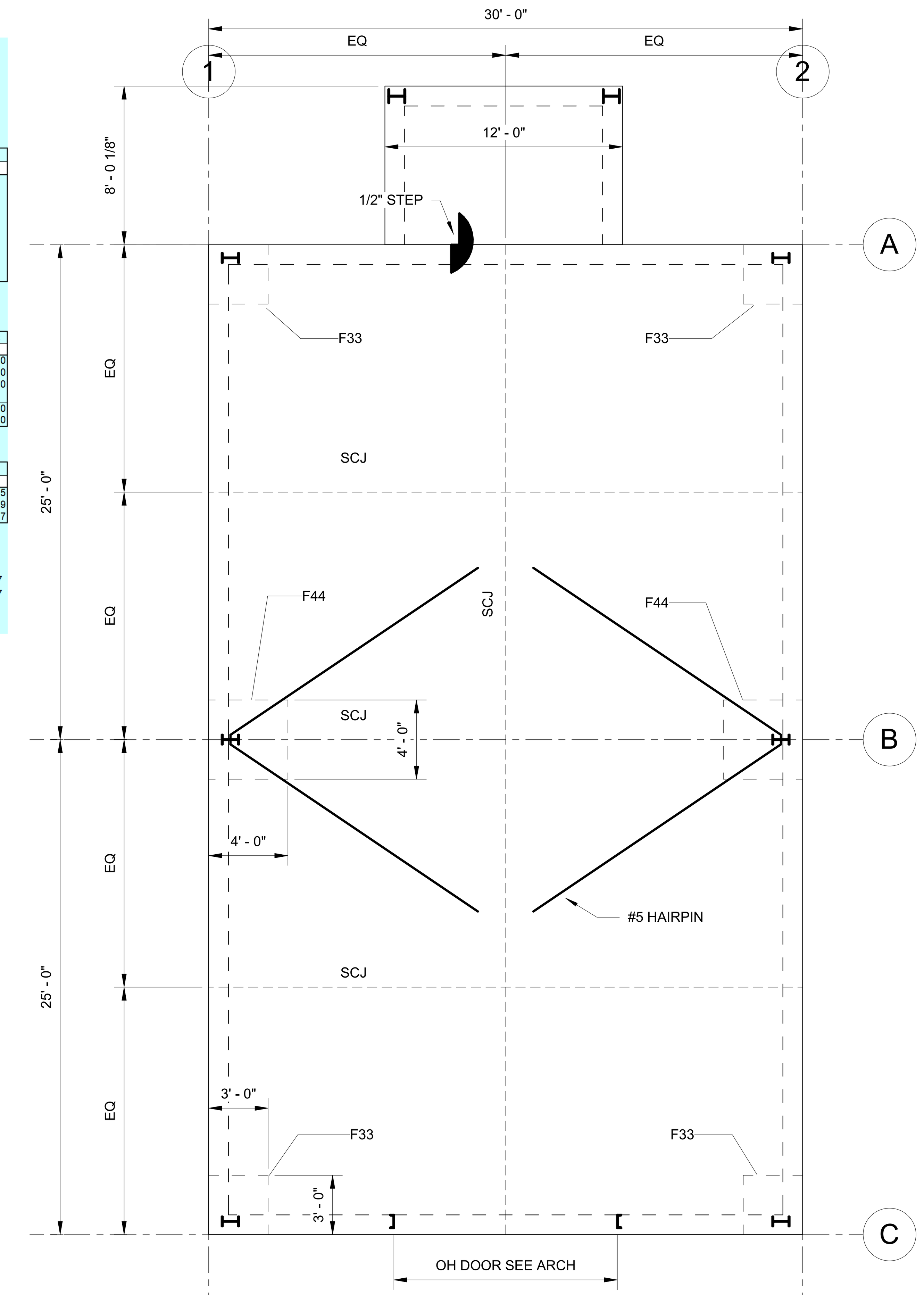


PRE-ENGINEERED STEEL BUILDING

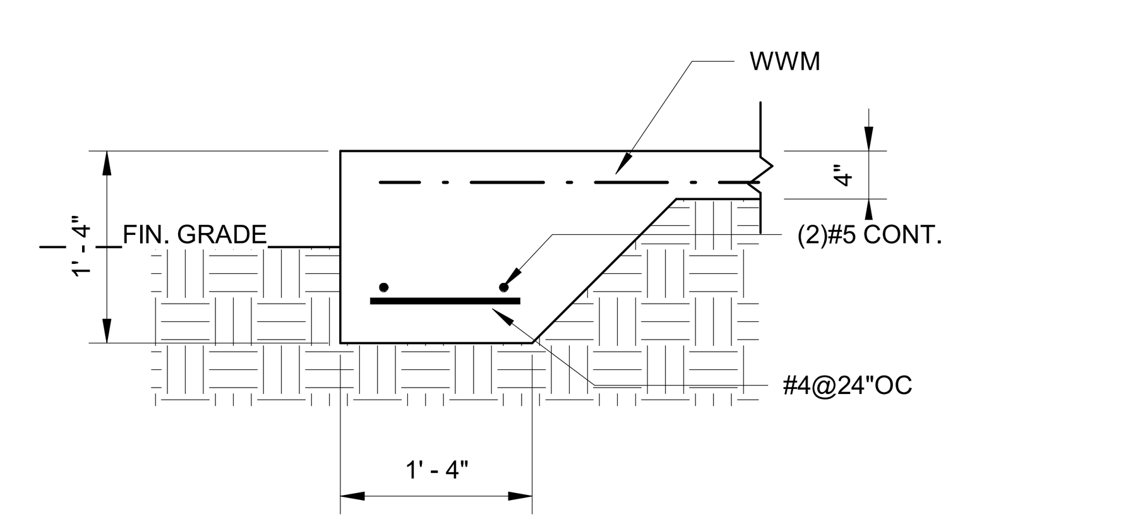
1. CONTRACTOR SHALL SUPPLY THE FINAL REACTIONS TO THE ARCHITECT / ENGINEER FOR REVIEW AS SOON AS THEY BECOME AVAILABLE.

2. THE SHOP DRAWINGS SHALL INDICATE THE DIAMETER AND NUMBER OF ANCHOR BOLTS PER COLUMN. SEE THE CONTRACT DOCUMENTS FOR THE EMBEDMENT REQUIREMENTS.

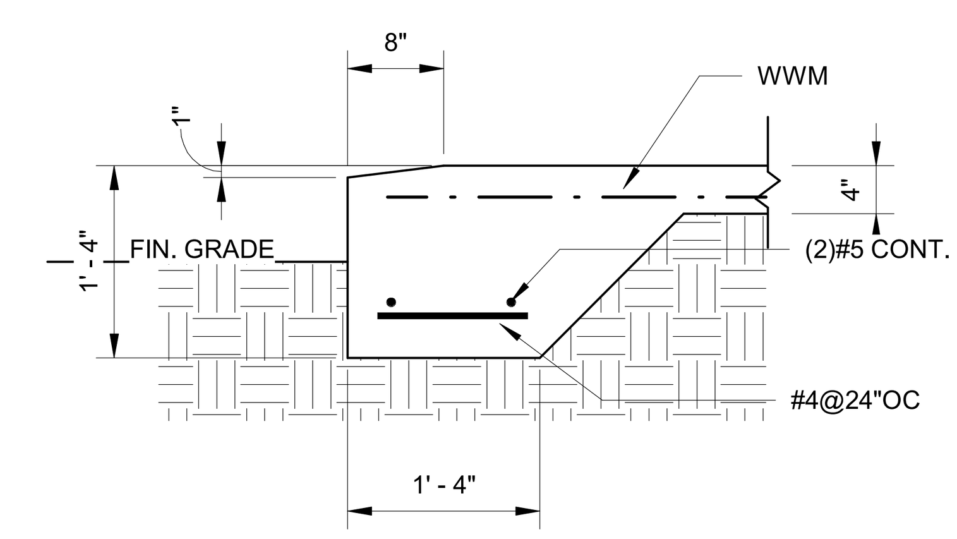
3. SHOP DRAWING SUBMITTALS SHALL CLEARLY MARK ANY DEVIATIONS FROM CONSTRUCTION DOCUMENTS FOR APPROVAL.



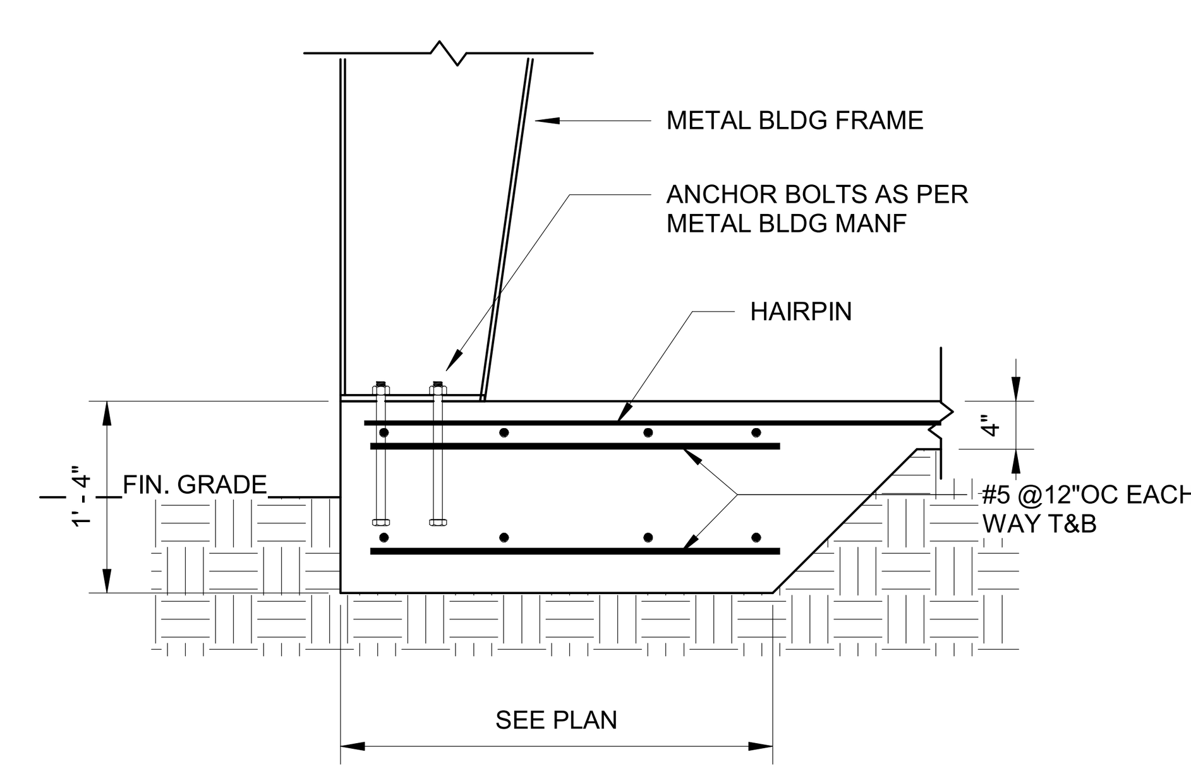
1 FOUNDATION PLAN
3/16" = 1'-0"



SECTION @ TYPICAL GRADE BEAM



SECTION @ OVER HEAD DOOR



SECTION @ TYPICAL FRAME FOOTING

TYPICAL SLAB ON GRADE FLOOR CONSTRUCTION:
4" THICK CONCRETE SLAB CAST OVER COMPACTED FILL AND VAPOR BARRIER. REINFORCE WITH W2.9XW2.9-6X6 (SHEETS ONLY).

SAW CUT JOINTS; (SCJ)

SAWCUT 1/8" WIDE 1" DEEP JOINTS AT NO MORE THAN 12' OC IN ANY DIRECTION. SAWCUTTING SHALL PROCEED AS SOON AS THE SLAB IS FINISHED AND CAN SUPPORT THE SAWCUTTING EQUIPMENT WITHOUT SCARRING THE SURFACE OF THE SLAB. (GREEN SAW METHOD)

This item has been electronically signed and sealed by Roger A. Craft using digital signature and data. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

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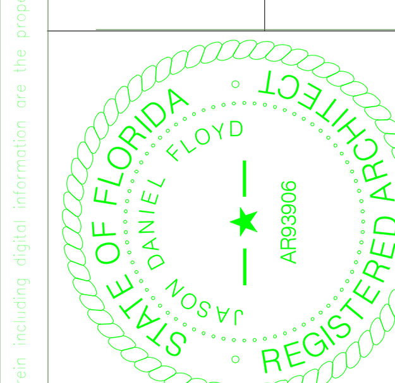
AA26002502

NEW OFFICE BUILDING FOR THE FORT WALTON BEACH CEMETERY

316 BEAL PKWY NW, WALTON BEACH
FORT WALTON BEACH, FLORIDA



DATE:
DRAWN BY:
PROJECT NO: 2120
REVISIONS:

FOUNDATION PLAN SECTIONS & GENERAL NOTES

S.1

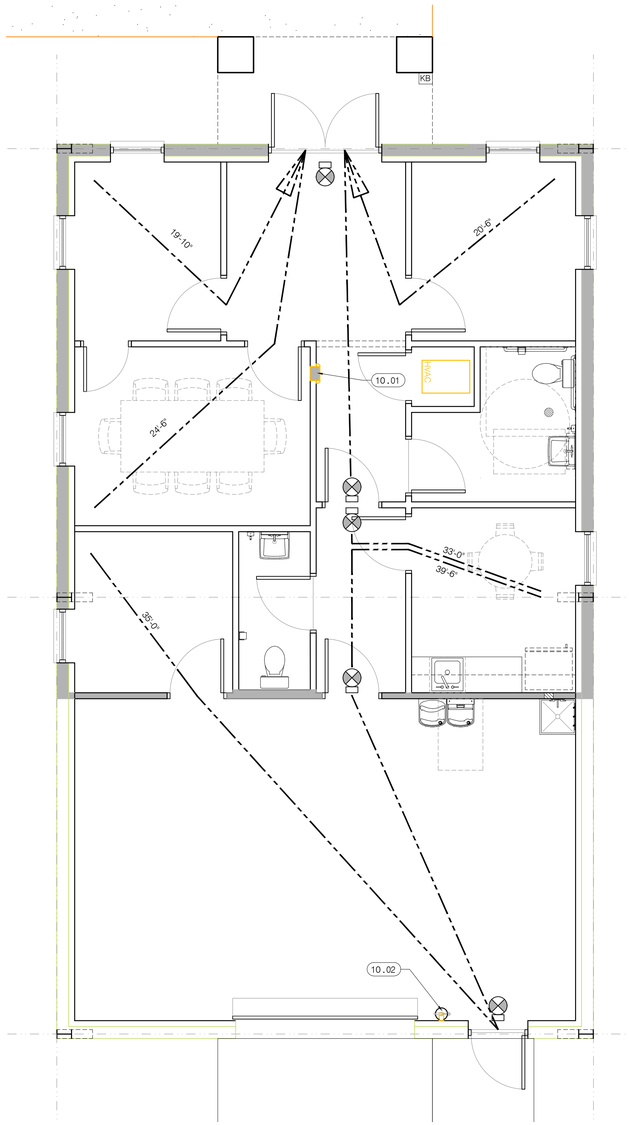
SYMBOLS LEGEND:

- LED LIGHT FIXTURE, WALL MOUNTED
- LED , 2' x 4' LIGHT FIXTURE, CEILING GRID MOUNTED.
- LED, 2' x 2' LIGHT FIXTURE, CEILING GRID MOUNTED.
- EXIT LIGHT, W/ BACKUP POWER. WALL MOUNTED.
- EXTERIOR 'FLOOD' DOUBLE LIGHT FIXTURE, WALL MOUNTED, WEATHER PROOF.
- EXHAUST FAN, CEILING MOUNTED, DUCTED TO EXTERIOR.
- KB — KNOX BOX

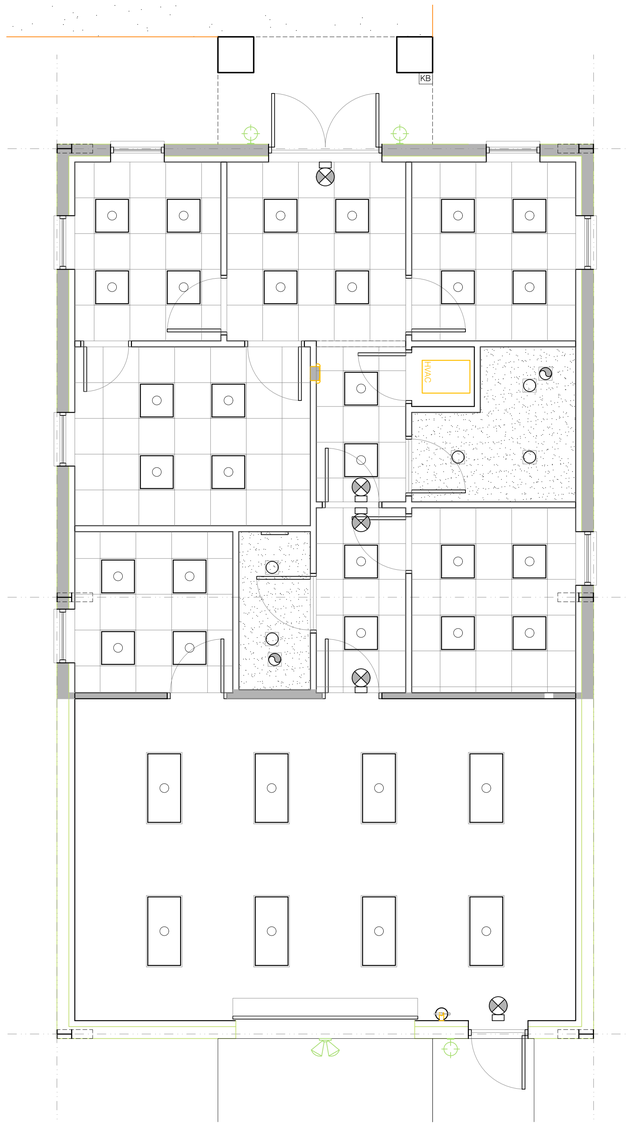
KEYNOTES: SHEET A1.10 ONLY

01 GENERAL:
- 01.01 EMERGENCY LIGHT FIXTURES ARE SHOWN ON ELECTRICAL DRAWINGS.
- 01.02 HEADER AT 9'-0" A.F.F.

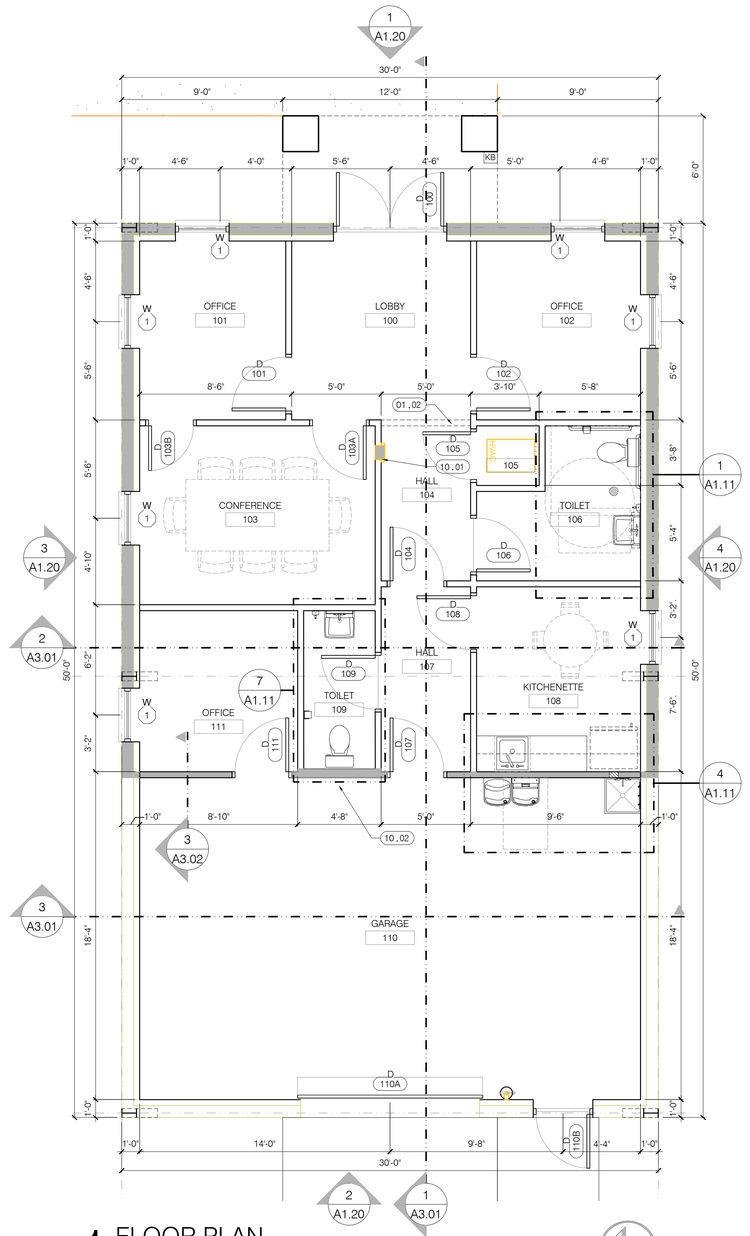
10 SPECIALTIES:
- 10.01 SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH 5B:C EXTINGUISHER.
- 10.02 BRACKET MOUNTED 5B:C EXTINGUISHER.



3 FLOOR PLAN: LIFE SAFETY
SCALE: 1/4" = 1'-0"



2 FLOOR PLAN: REFLECTED CEILING
SCALE: 1/4" = 1'-0"



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

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NEW OFFICE BUILDING FOR THE FORT WALTON BEACH CEMETERY

316 BEAL PKWY NW, WALTON BEACH
FORT WALTON BEACH, FLORIDA

STATE OF FLORIDA — JASON DANIEL FLOYD — REGISTERED ARCHITECT — AR93906

DATE: MARCH 15, 2022
DRAWN BY: mcl
PROJECT NO: 2126
REVISIONS:
FOR BID

FLOOR PLANS

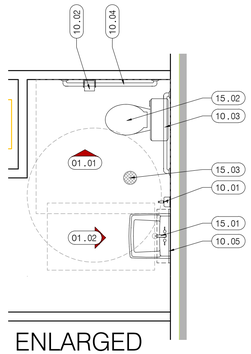
A1.10

FINISH SCHEDULE

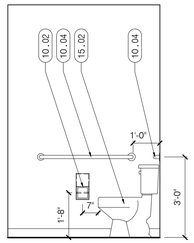
ROOM#	ROOM NAME	FLOOR	BASE	WALLS					CLG. FIN.	CLG. HT.	REMARKS
				MAT'L	NORTH	EAST	SOUTH	WEST			
100	LOBBY	VLP	WD	GYP1	P1	P1	P1	P1	SAP	10'-0"	
101	OFFICE	C	WD	GYP1	P1	P1	P1	P1	SAP	10'-0"	
102	OFFICE	C	WD	GYP1	P1	P1	P1	P1	SAP	10'-0"	
103	CONFERENCE	C	WD	GYP1	P1	P1	P1	P1	SAP	10'-0"	
104	HALL	VLP	WD	GYP1	P1	P1	P1	P1	SAP	10'-0"	
105	HVAC CLOSET	ES	N/A	GYP1	T & S	T & S	T & S	T & S	ES	10'-0"	
106	ADA TOILET	VLP	WD	GYP2	P1	P1	P1	P1	GYP2 / P1	10'-0"	
107	HALL	VLP	WD	GYP1	P1	P1	P1	P1	SAP	10'-0"	
108	KITCHENETTE	VLP	WD	GYP1	P1	P1	P1	P1	SAP	10'-0"	
109	TOILET	VLP	WD	GYP2	P1 / FRP	P1 / FRP	P1 / FRP	P1 / FRP	GYP2 / P1	10'-0"	
110	GARAGE	CONC.	N/A	PLYWD	PLYWD	PLYWD	PLYWD	PLYWD	ES	ES	
111	OFFICE	CONC.	WD	GYP1	P1	P1	P1	P1	SAP	10'-0"	

DOOR SCHEDULE

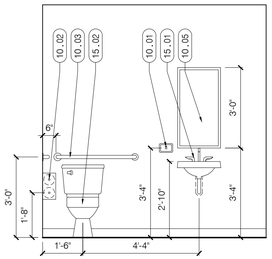
DOOR#	DOOR				FRAME					FIRE RATING	REMARKS
	SIZE	TYPE	MAT'L	HDW	TYPE	MAT'L	HEAD	JAMB	SILL		
100	PR 3'-0" x 7'-0" x 1 3/4"	FG	AL		ALSF	AL				N/A	LMIR
101	3'-0" x 7'-0" x 1 3/4"	F	WD		GHM	GS				N/A	
102	3'-0" x 7'-0" x 1 3/4"	F	WD		GHM	GS				N/A	
103A	3'-0" x 7'-0" x 1 3/4"	F	WD		GHM	GS				N/A	
103B	2'-6" x 7'-0" x 1 3/4"	F	WD		GHM	GS				N/A	
104	3'-0" x 7'-0" x 1 3/4"	F	WD		GHM	GS				N/A	
105	2'-8" x 7'-0" x 1 3/4"	F	WD		GHM	GS				N/A	
106	3'-0" x 7'-0" x 1 3/4"	F	WD		GHM	GS				N/A	
107	3'-0" x 7'-0" x 1 3/4"	F	GHM		GHM	GS					
108	3'-0" x 7'-0" x 1 3/4"	F	WD		GHM	GS				N/A	
109	3'-0" x 7'-0" x 1 3/4"	F	WD		GHM	GS				N/A	
110A	10'-0" x 10'-0"	OD	GS		GHM	GS				N/A	LMIR
110B	3'-0" x 7'-0" x 1 3/4"	F	GHM		GHM	GS				N/A	LMIR
111	3'-0" x 7'-0" x 1 3/4"	F	GHM		GHM	GS					



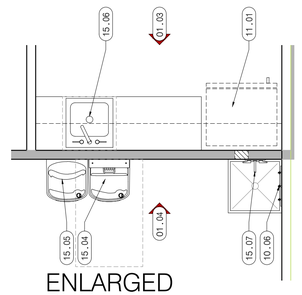
1 ENLARGED PLAN
SCALE: 3/8" = 1'-0"



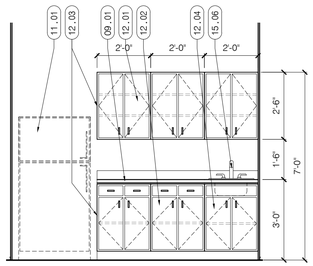
2 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"



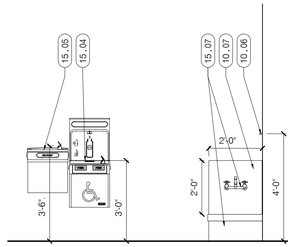
3 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"



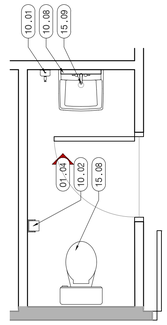
4 ENLARGED PLAN
SCALE: 3/8" = 1'-0"



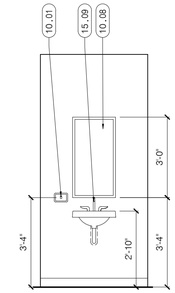
5 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"



6 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"



7 ENLARGED PLAN
SCALE: 3/8" = 1'-0"



8 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"

KEYNOTES: SHEET A1.11 ONLY

01 GENERAL:
01.01 SEE INTERIOR ELEVATION 2/A1.11
01.02 SEE INTERIOR ELEVATION 3/A1.11
01.03 SEE INTERIOR ELEVATION 5/A1.11
01.04 SEE INTERIOR ELEVATION 6/A1.11
01.05 SEE INTERIOR ELEVATION 8/A1.11

09 FINISHES:
09.01 3cm SOLID SURFACE, CORIAN OR EQUAL, TOP, BACK SPLASH, AND FRONT. COLOR TO BE DETERMINED.
09.02 FIBERGLASS REINFORCED PANELS TO 8'-0" A.F.F.

10 SPECIALTIES:
(UNLESS NOTED OTHERWISE LISTED ITEMS ARE BY BRADLEY CO.)
10.01 SOAP DISPENSER#6562, WALL MOUNTED, AT 40" A.F.F. MAX. TO SPOUT.
10.02 TISSUE DISPENSER #5402, SURFACE MOUNTED MULTI-ROLL. MOUNT 1'-4".
10.03 GRAB BAR #812-001-36 HORIZONTAL, 1 1/2" DIAMETER. MOUNT 36" MAX. A.F.F. TO TOP OF BAR.
10.04 GRAB BAR #812-001-42 HORIZONTAL, 1 1/2" DIAMETER. MOUNT 36" MAX. A.F.F. TO TOP OF BAR.
10.05 MIRROR #B-740-1836, 18" X 36", TILTED, TEMPERED GLASS, STAINLESS STEEL FRAME, MOUNT 40" MAX. TO BOTTOM A.F.F
10.06 MOP HOLDER B9953, WALL MOUNTED AT 48" A.F.F.
10.07 STAINLESS STEEL SPLASH PANELS, 24"h FULL SURROUND OF MOP SINK.
10.08 MIRROR #B-781-1836 (18" x 36") TEMPERED GLASS, STAINLESS STEEL FRAME, MOUNT 40" MAX. TO BOTTOM A.F.F.

11 EQUIPMENT:
11.01 REFRIGERATOR, NOT IN CONTRACT.

12 FURNISHINGS:
12.01 12"d, PLASTIC LAMINATE CLAD UPPER CABINETS W/ ADJUSTABLE SHELVES & LOCKS, SEE SPECIFICATIONS.
12.02 24"d, PLASTIC LAMINATE CLAD DRAWER BASE WITH DRAWER[S], SEE SPECIFICATIONS.
12.03 PLASTIC LAMINATE CLAD END PANELS.
12.04 24"d, PLASTIC LAMINATE CLAD SINK BASE WITH FALSE DRAWER, SEE SPECIFICATIONS.

15 MECHANICAL:
15.01 ADA COMPLIANT SINK, W/ ADA COMPLIANT PIPE PROTECTOR.
15.02 ADA TOILET.
15.03 FLOOR DRAIN.
15.04 ADA COMPLIANT DRINKING FOUNTAIN WITH BOTTLE FILLER.
15.05 DRINKING FOUNTAIN [STANDARD].
15.06 24" SINGLE BOWL, STAINLESS STEEL, DECK MOUNTED SINK AND FAUCET GROUP.
15.07 24" x 24" MOP SINK, FLOOR TYPE, WITH FAUCET GROUP.
15.08 TOILET [STANDARD]
15.09 WALL MOUNTED SINK AND FAUCET GROUP W/ ADA COMPLIANT PIPE PROTECTOR.

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NEW OFFICE BUILDING FOR THE
FORT WALTON BEACH CEMETERY
316 BEAL PKWY NW, WALTON BEACH
FORT WALTON BEACH, FLORIDA

STATE OF FLORIDA
DANIEL JASON FLOYD
REGISTERED ARCHITECT
AR93506

DATE: MARCH 15, 2022
DRAWN BY: md
PROJECT NO: 2120
REVISIONS:
FOR BID

SCHEDULES AND
INTERIOR ELEVATIONS

A1.11

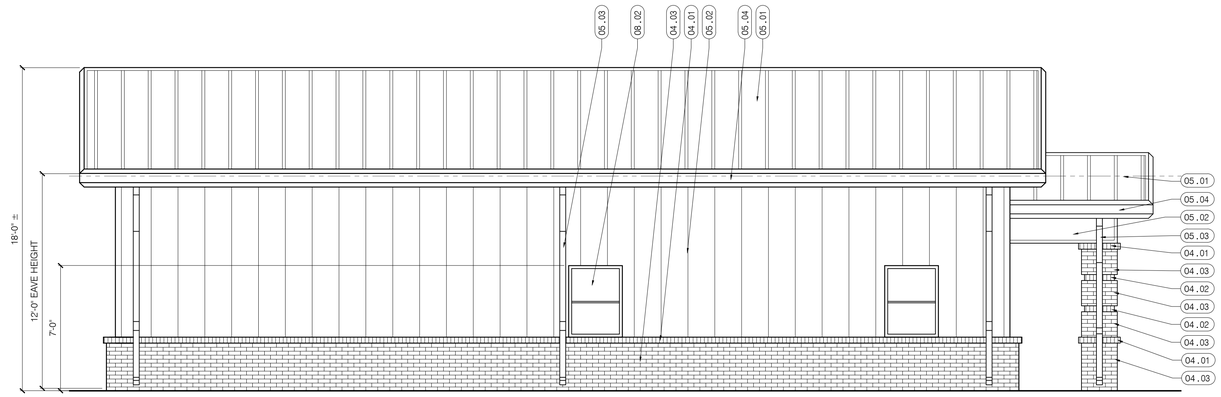
KEYNOTES:

SHEET A2.10 ONLY

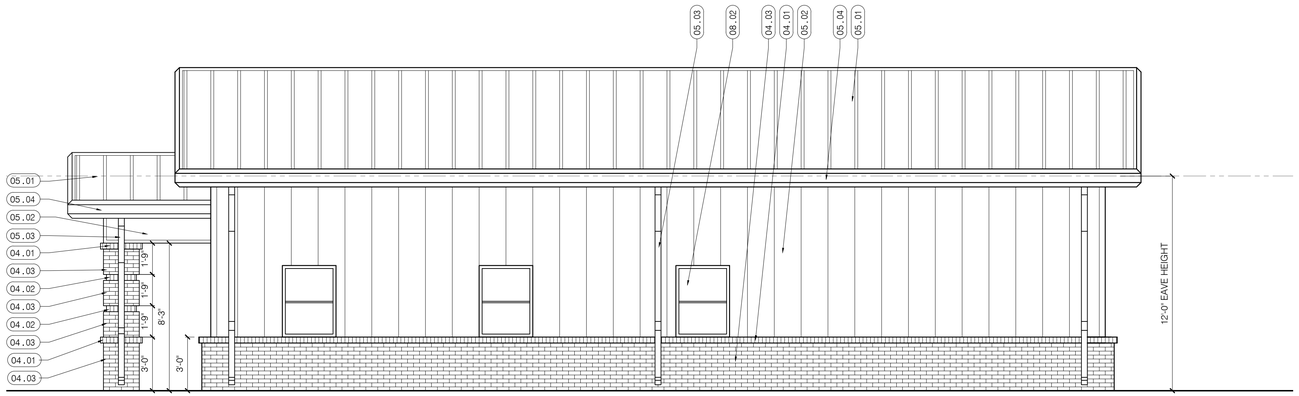
04 MASONRY:
- 04.01 BRICK ROWLOCK, 2" OVERHANG (TYP).
- 04.02 BRICK ROWLOCK, 2" RECESS (TYP).
- 04.03 BRICK VENEER, STRETCHER COURSING.

05 METAL:
- 05.01 STANDING SEAM METAL ROOF.
- 05.02 STUCCO METAL PANEL (TYP).
- 05.03 PRE-FIN ALUM. GUTTER DOWNSPOUT.
- 05.04 PRE-FIN ALUM. GUTTER SYSTEM PROVIDE SPLASH BLOCKS

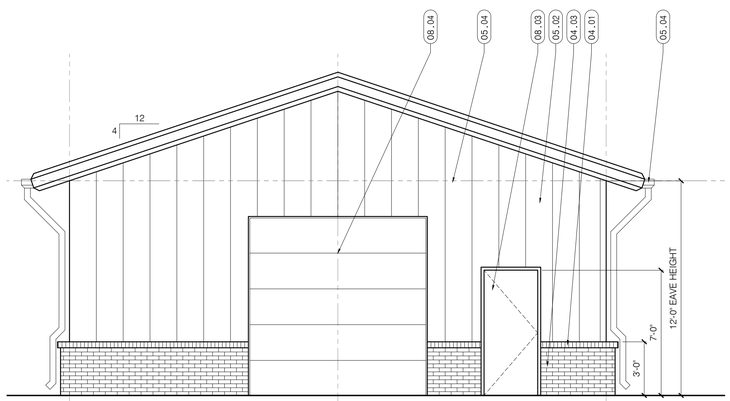
08 DOORS & WINDOWS:
- 08.01 LARGE MISSILE IMPACT RATED, ALUMINUM STOREFRONT DOOR SYSTEM.
- 08.02 LARGE MISSILE IMPACT RATED, ALUMINUM WINDOW SYSTEM.
- 08.03 LARGE MISSILE IMPACT RATED, HOLLOW METAL DOOR SYSTEM.
- 08.04 LARGE MISSILE IMPACT RATED, OVERHEAD COILING DOOR SYSTEM.



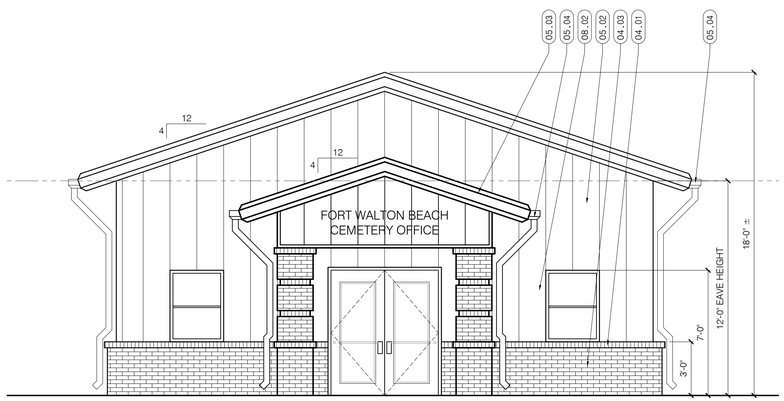
4 BUILDING ELEVATION: SOUTH
SCALE: 1/4" = 1'-0"



3 BUILDING ELEVATION: NORTH
SCALE: 1/4" = 1'-0"



2 BUILDING ELEVATION: WEST
SCALE: 1/4" = 1'-0"



1 BUILDING ELEVATION: EAST
SCALE: 1/4" = 1'-0"

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NEW OFFICE BUILDING FOR THE FORT WALTON BEACH CEMETERY

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FORT WALTON BEACH, FLORIDA

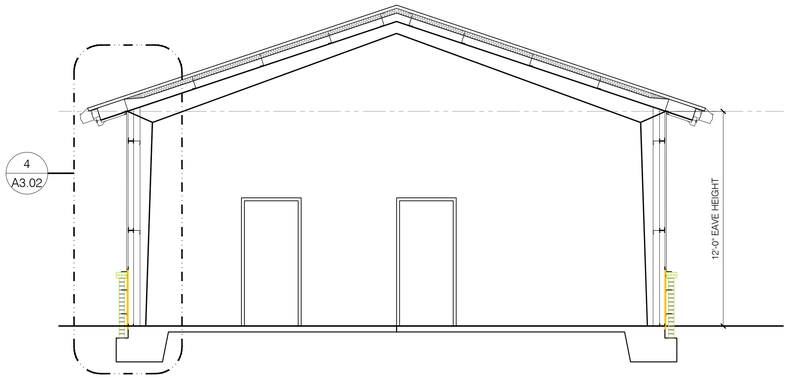
STATE OF FLORIDA · REGISTERED ARCHITECT · JASON DANIEL FLOYD · AR93906

DATE: MARCH 15, 2022
DRAWN BY: md
PROJECT NO: 2120
REVISIONS:
FOR BID

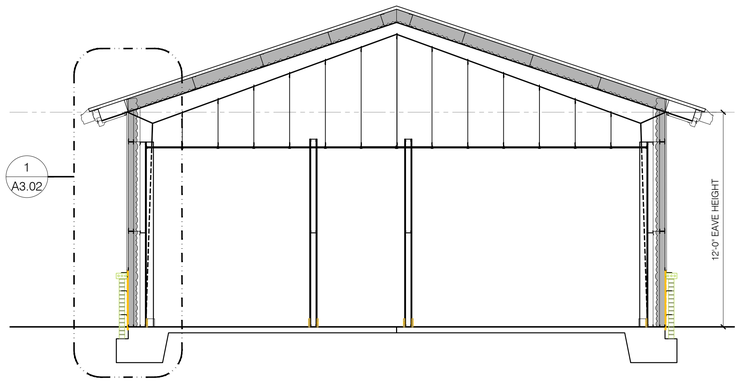
BUILDING ELEVATIONS

A2.10

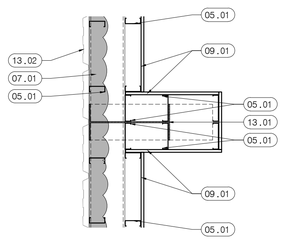
23-Mar-2022



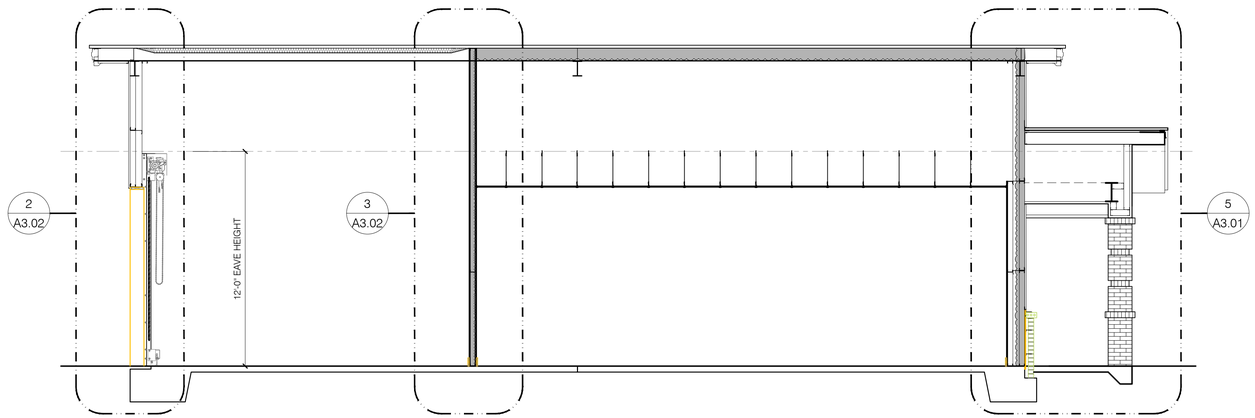
3 BUILDING SECTION
SCALE: 1/4" = 1'-0"



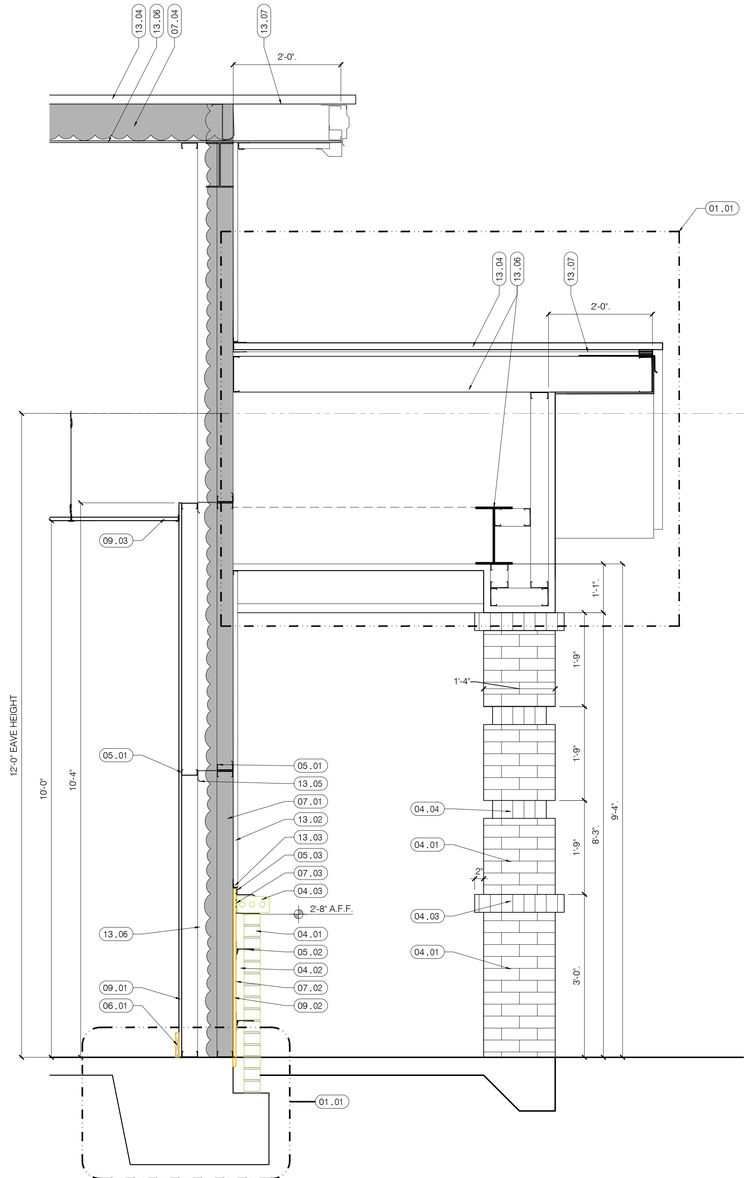
2 BUILDING SECTION
SCALE: 1/4" = 1'-0"



4 DETAIL
SCALE: 3/4" = 1'-0"



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



5 DETAIL
SCALE: 3/4" = 1'-0"

KEYNOTES: SHEET A3.02 ONLY

01 GENERAL:
- 01.01 GABLE ENTRY ASSEMBLY BY METAL BUILDING MANUFACTURER.

04 MASONRY:
- 04.01 BRICK VENEER.
- 04.02 1" AIR SPACE, MIN.
- 04.03 BRICK ROWLOCK COURSING) 2" OVERHANG (TYP).
- 04.04 BRICK ROWLOCK, 2" RECESS (TYP).

05 METAL:
- 05.01 VERT. 3-5/8" GALV. STEEL STUDS AT 16" O.C. ATTACH AT EVERY GIRT.
- 05.02 GALV. ADJUSTABLE BRICK TIES AT 16" O.C. VERT. AND 32" HORIZ.
- 05.03 PREFINISHED METAL FLASHING / COUNTERFLASHING.

06 WOOD:
- 06.01 WOOD BASE.

07 THERMAL & MOISTURE PROTECTION:
- 07.01 R-19, OPEN CELL SPRAY FOAM INSULATION [WALL], EQUAL TO "ICYNENE".
- 07.02 TYVEK STUCCO WRAP OR EQUAL.
- 07.03 60 MIL. PEEL AND STICK MEMBRANE FLASHING, LAP ON PANEL TO BE 4" MIN.
- 07.04 R-38, OPEN CELL SPRAY FOAM INSULATION [ROOF], EQUAL TO "ICYNENE".

09 FINISHES:
- 09.01 5/8" TYPE 'X' GYPSUM BOARD.
- 09.02 5/8" DENSGLASS-SHEATHING OR EQUAL.
- 09.03 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM.

13 SPECIAL CONSTRUCTION:
- 13.01 METAL BUILDING SYSTEM, COLUMN.
- 13.02 METAL BUILDING SYSTEM, WALL SIDING, STUCCO FINISH.
- 13.03 METAL BUILDING SYSTEM, WALL SIDING CLOSURE TRIM.
- 13.04 METAL BUILDING SYSTEM, EAVE // SOFFIT // OVERHANG W/ GUTTER.
- 13.05 METAL BUILDING SYSTEM, GIRT.
- 13.06 METAL BUILDING SYSTEM, FRAME.

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NEW OFFICE BUILDING FOR THE FORT WALTON BEACH CEMETERY

316 BEAL PKWY NW, WALTON BEACH
FORT WALTON BEACH, FLORIDA

STATE OF FLORIDA · JASON DANIEL FLOYD · REGISTERED ARCHITECT · AR93906

DATE: MARCH 15, 2022
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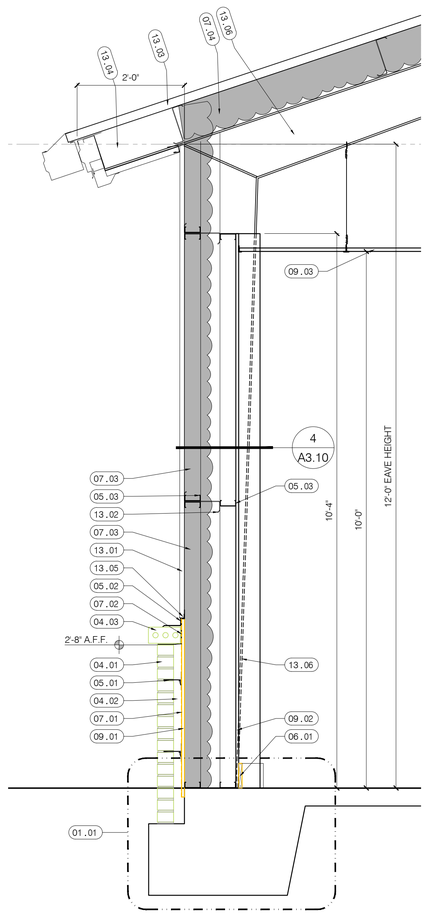
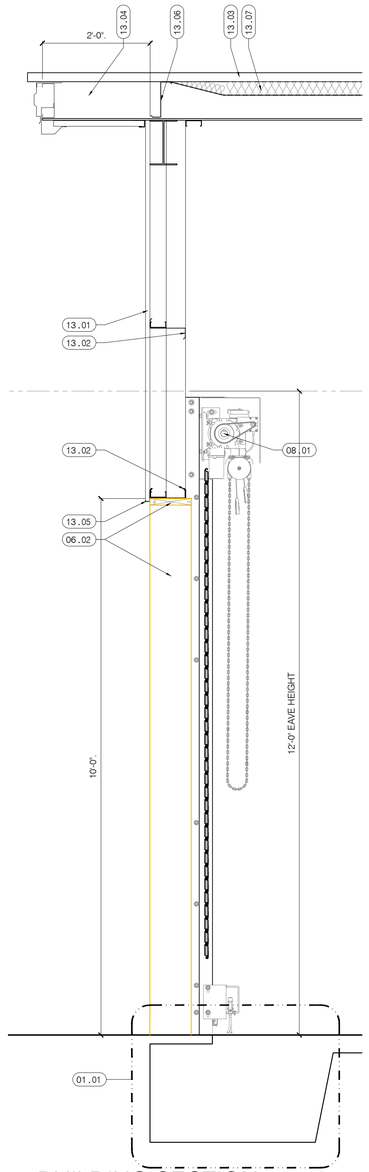
BUILDING SECTION AND DETAILS

A3.01



1 BUILDING SECTION
SCALE: 3/4" = 1'-0"



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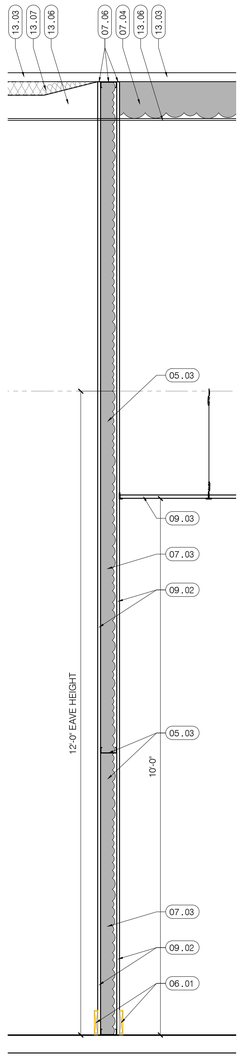

3 BUILDING SECTION
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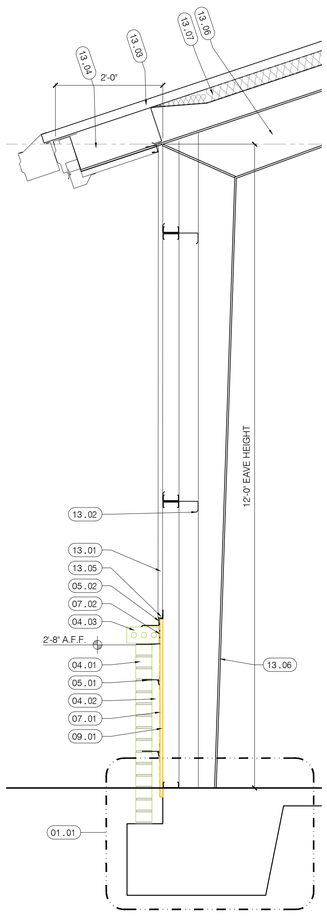

4 BUILDING SECTION
SCALE: 3/4" = 1'-0"

KEYNOTES: SHEET A3.11 ONLY

01 GENERAL:
- 01.01 SEE STRUCTURAL FOR FOUNDATION DETAILS.

04 MASONRY:
- 04.01 BRICK VENEER.
- 04.02 1" AIR SPACE, MIN.
- 04.03 BRICK ROWLOCK COURSING) 2" OVERHANG (TYP)

05 METAL:
- 05.01 GALV. ADJUSTABLE BRICK TIES AT 16" O.C. VERT. AND 32" HORIZ.
- 05.02 PREFINISHED METAL FLASHING / COUNTERFLASHING.
- 05.03 3-5/8" GALV. STEEL STUDS, AT 16" O.C.

06 WOOD:
- 06.01 WOOD BASE.
- 06.02 PRESSURE TREATED WOOD 2" x 10" HEAD & JAMB. CUT TO SIZE. PAINTED.

07 THERMAL & MOISTURE PROTECTION:
- 07.01 TYVEK STUCCO WRAP OR EQUAL.
- 07.02 60 MIL. PEEL AND STICK MEMBRANE FLASHING, LAP ON PANEL TO BE 4" MIN.
- 07.03 R-19, OPEN CELL SPRAY FOAM INSULATION [WALL], EQUAL TO "ICYNENE".
- 07.04 R-38, OPEN CELL SPRAY FOAM INSULATION [ROOF], EQUAL TO "ICYNENE".
- 07.05 SEALANT [AND BACKER ROD]
- 07.06 FIRE RATED CAULKING:
  1. SET NEW METAL STUD IN FULL BED OF FIRE RATED CAULKING.
  2. SEAL ALL VOIDS AT EDGE OF GYPSUM BOARD TO METAL ROOFING WITH FIRE RATED CAULKING.
  3. FIRE RATED BATT INSULATION TO FILL VOIDS.

08 DOORS & WINDOWS:
- 08.01 OVERHEAD COILING DOOR SYSTEM, CHAIN HOIST, SEE SCHEDULE.

09 FINISHES:
- 09.01 5/8" DENSGLASS-SHEATHING OR EQUAL.
- 09.02 5/8" TYPE 'X' GYPSUM BOARD.
- 09.03 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM.

13 SPECIAL CONSTRUCTION:
- 13.01 STUCCO METAL BUILDING SYSTEM, WALL SIDING.
- 13.02 METAL BUILDING SYSTEM, GIRT
- 13.03 METAL BUILDING SYSTEM, ROOF PANELS
- 13.04 METAL BUILDING SYSTEM, EAVE // SOFFIT // OVERHANG W/ GUTTER
- 13.05 METAL BUILDING SYSTEM, WALL SIDING CLOSURE TRIM.
- 13.06 METAL BUILDING SYSTEM, FRAME.
- 13.07 MINIMUM INSULATION BY METAL BUILDING SYSTEM MANUFACTURER.

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BUILDING DETAILS AND DETAILS

A3.02

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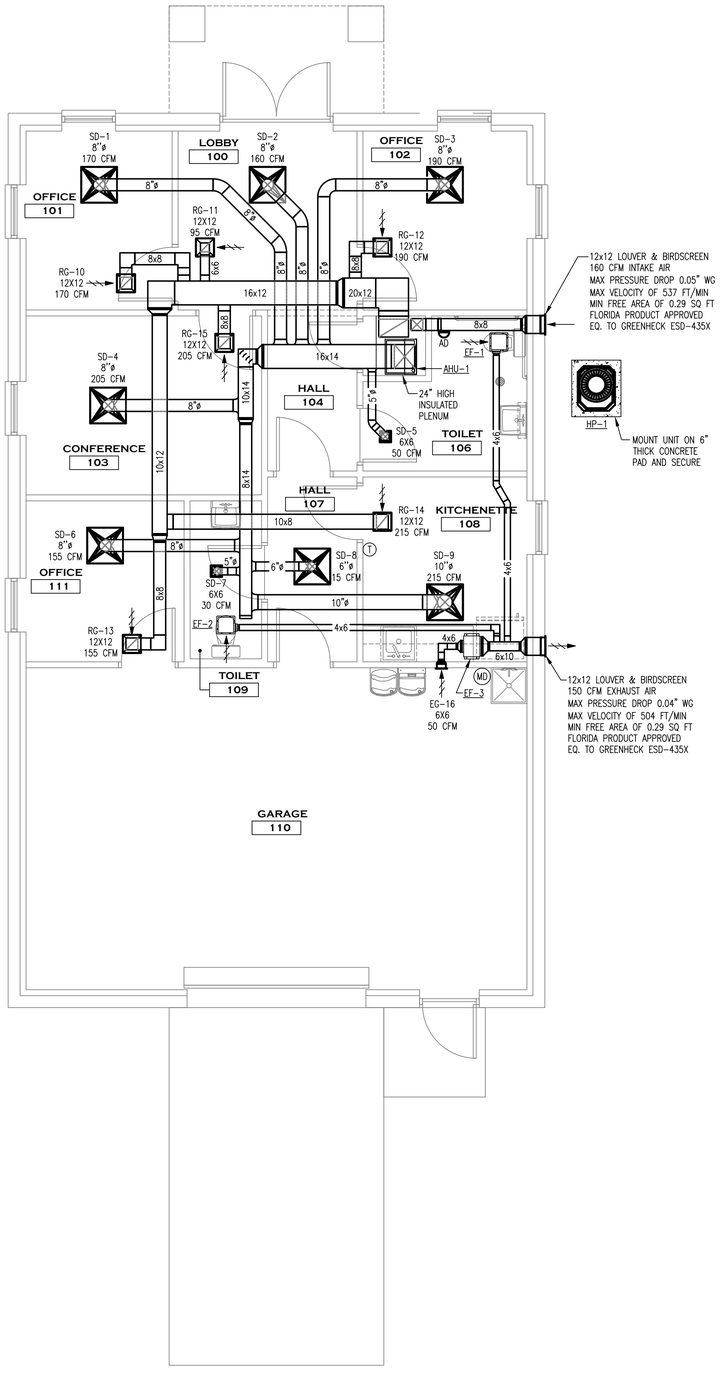

1 MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL MECHANICAL NOTES

1. FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS TO PROVIDE A COMPLETE MECHANICAL SYSTEM. DUE TO THE SCHEMATIC NATURE OF THESE PLANS, THE CONTRACTOR SHALL FIELD-VERIFY LOCATIONS FOR EQUIPMENT DUCTWORK, AND ACCESSORIES. IN ADDITION, THIS WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS. THE CONTRACTOR SHALL ALSO REVIEW THE STRUCTURAL DRAWINGS BEFORE FABRICATING AND INSTALLING DUCTWORK OR EQUIPMENT.
2. ALL WORK SHALL BE PERFORMED BY SKILLED AND EXPERIENCED WORKMEN. WORK SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED PERMITS, LICENSES, AND INSPECTIONS.
3. ALL MATERIALS SHALL BE NEW AND WITHOUT DEFECTS. SUBMIT SHOP DRAWINGS FOR ALL MATERIALS AND EQUIPMENT. ALL WORK DONE BY THIS CONTRACTOR SHALL BE WARRANTED FOR ONE YEAR FROM THE TIME THE OWNER GIVES ACCEPTANCE OR GAINS BENEFICIAL USE, WHICHEVER IS FIRST. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
4. DUCT SIZES ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. DUCT SHALL BE OF LOW-PRESSURE (2.0" w.g.) CONSTRUCTION AS CLASSIFIED BY SMACNA UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL USE MINIMUM 2" EXTERNAL WRAP (MINIMUM R-6.0). LINER MAY ONLY BE USED WHERE REQUIRED FOR SOUND ATTENUATION. DUCTBOARD SHALL NOT BE USED.
5. FLEXIBLE DUCT MAY BE INSTALLED ONLY WHERE SHOWN ON THE DRAWINGS. DUCT SHALL BE EXTERNALLY-INSULATED CORRUGATED METAL WITH A MAXIMUM LENGTH OF 6'-0". FOR TAKE-OFFS LONGER THAN 6'-0", THE REMAINDER OF THE DISTANCE SHALL BE EXTERNALLY-WRAPPED SINGLE-WALL ROUND DUCT WITH A SPIN-IN STYLE TAP AT THE MAIN DUCT.
6. HANGERS FOR EQUIPMENT AND PIPING SHALL BE SECURED TO THE BUILDING STRUCTURE. NO HANGERS SHALL BE ATTACHED TO THE FLOOR OR ROOF DECK MATERIAL, OR CONCRETE DECKS LESS THAN 4" THICK.
7. ALL RETURN AND EXHAUST GRILLES SHALL HAVE OPPOSED-BLADE DAMPERS. ALL SUPPLY-SIDE TAKE-OFFS SHALL HAVE A BALANCING DAMPER.
8. FIRE DAMPERS AND FIRE-STOPPING SHALL BE PROVIDED FOR ANY PENETRATIONS OF FIRE-RATED PARTITIONS. VERIFY LOCATIONS OF ALL FIRE-STOPPING ON THE ARCHITECTURAL DRAWINGS.
9. ALL GRILLES AND REGISTERS SHALL BE EQUAL TO TITUS WITH ALUMINUM CONSTRUCTION. SUPPLY GRILLES SHALL BE EQUAL TO MODEL TDC. SUPPLY REGISTERS SHALL BE EQUAL TO MODEL 301. RETURN, EXHAUST AND TRANSFER GRILLES SHALL BE EQUAL TO MODEL 355 WITH OPPOSED-BLADE DAMPERS. GRILLE FINISH SHALL BE APPROVED BY THE OWNER AND THE ARCHITECT.
10. EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE ABLE TO PROVIDE THE REQUIRED CAPACITIES IN THE MIDDLE OF IT'S PERFORMANCE RANGE. ALL COMPRESSORS SHALL HAVE A MINIMUM 5-YEAR WARRANTY UNLESS OTHERWISE NOTED. THE EQUIPMENT SHALL HAVE AL THE NECESSARY CONTROLS AND ACCESSORIES TO ALLOW FOR FULL OPERATION. IF EQUIPMENT HAS COMPONENTS OF A VIBRATIVE NATURE, THE CONTRACTOR SHALL PROVIDE THE NECESSARY VIBRATION CONTROLS.
11. REFRIGERANT PIPING SHALL BE HARD-DRAWN TYPE K OR L COPPER WITH COPPER SOLDER FITTINGS. PIPING SHALL BE SOLDERED WITH SILVER SOLDER AND INSULATED WITH 1/2" THICK THERMAL TUBULAR JACKETING. SEAL INSULATION JOINTS WITH TAPE AND CEMENT OR PER MANUFACTURER'S INSTRUCTIONS. PRE-INSULATED AND PRE-CHARGED REFRIGERANT LINES MAY BE USED AS PROVIDED BY THE EQUIPMENT MANUFACTURER. WHERE INSULATION IS EXPOSED TO WEATHER PROTECT LINES WITH AN ALUMINUM COVER AND PAINT TO MATCH EXTERIOR FINISH.
12. CONDENSATE DRAINS SHALL BE FULL-SIZE (1" MINIMUM) COPPER OR SCHEDULE 40 PVC. DRAINS SHALL BE INSULATED IN THE SAME MANNER AS REFRIGERANT LINES. DISCHARGE AS SHOWN ON THE DRAWINGS.
13. CONTROLS SHALL BE EQUAL TO MANUFACTURER'S CONTROLS. OUTDOOR UNITS SHALL HAVE FACTORY-WIRED TIME DELAYS, PRESSURE SWITCHES, LOW-AMBIENT CONTROLS AND DEFROST CONTROLS. THERMOSTATS SHALL BE DIGITAL AND PROGRAMMABLE WITH BATTERY BACK-UP. SETPOINTS SHALL FOLLOW DESIGN CONDITIONS OR BE AS DIRECTED BY THE OWNER. MOUNT ALL THERMOSTATS AND TEMPERATURE SENSORS 60" A.F.F.
14. THE HVAC SYSTEM SHALL BE TESTED AND BALANCED ACCORDING TO AABC STANDARDS. THE CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH A COPY OF THE TEST AND BALANCE REPORT AND THE OWNER WITH A LETTER STATING THAT THE SYSTEM(S) HAVE BEEN BALANCED TO WITHIN 10% OF DESIGN PARAMETERS.

MECHANICAL LEGEND

MARK	DESCRIPTION
CFM	CUBIC FEET PER MINUTE
HP	HEAT PUMP
SD	SUPPLY DIFFUSER (TITUS TDCA-AAA)
RG	RETURN GRILLE (TITUS 25FL)
OA	OUTSIDE AIR
EG	EXHAUST GRILLE
AD	SUPPLY AIR
AD	AUTOMATIC DAMPER (24 VOLT)
#	RETURN OR EXHAUST AIR
T	THERMOSTAT/SENSOR
MD	MOTION DETECTOR
	TURNING VANES IN DUCT
	SUPPLY DIFFUSER (TITUS TDCA-AAA)
	SUPPLY OR OUTSIDE AIR DUCT IN SECTION
	SUPPLY AIR DUCTWORK
	EXHAUST AIR DUCTWORK
	RETURN AIR DUCTWORK
	OUTSIDE AIR DUCTWORK
	RETURN REGISTER (TITUS 25FL)

AIR HANDLER SCHEDULE

UNIT NO.	AIR CFM	APPROX. S.P."W.G.	FAN H.P.	COOLING ENT AIR TEMP	COOLING LVG TEMP	OUTSIDE AIR CFM	OUTDOOR TEMP-COOLING	ELEC HEAT (208V-3ø)	MCA	MOCP	VOLT/PHASE	TRANE MODEL NUMBER	REMARKS
AHU-1	1190	0.8	1/2	76.3°FDB/64.7°FWB	56.1°FDB/54.8°FWB	160	95°FDB/78.0°FWB	5.77 kW	40.0	40.0	208/1	TEM6A0C36H31SA	1,2,3

REMARKS
1. PROVIDE DRAIN PAN WITH FLOAT SWITCH UNDER AIR HANDLING UNIT.
2. UNIT SHALL HAVE DUAL CIRCUIT EVAPORATOR COIL FOR STAGING.
3. UNIT SHALL BE PROVIDED WITH DEHUMIDIFICATION CYCLE AND TWO SPEED FAN.

HEAT PUMP SCHEDULE

UNIT NO.	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	LATENT COOLING (MBH)	EER	OUTDOOR TEMP-COOLING	TOTAL HEATING (MBH)	HSPF	COP	OUTDOOR TEMP-HEATING	FLA	MCA	MOCP	VOLT/PHASE	TRANE MODEL NUMBER	REMARKS
HP-1	34.6	25.7	8.9	12.5	95°FDB/78.0°FWB	22.7	9.6	3.9	33.5°FDB/25.5°FWB	16.04	21	35	208-230/1	4TWR7036	1,2,3,4

REMARKS
1. UNIT SHALL BE EQUIPPED WITH A DIGITAL THERMOSTAT.
2. UNIT SHALL BE EQUIPPED WITH AN ADJUSTABLE OUTDOOR AIR THERMOSTAT.
3. UNIT SHALL BE EQUIPPED WITH ANTI-SHORT-CYCLE TIMER AND TXV VALVE.
4. UNIT SHALL HAVE LOW AMBIENT COOLING CAPACITY AND EVAPORATOR DEFROST CONTROL. UNIT SHALL BE TWO STAGE COOLING AND TWO STAGE HEATING.

EQUIPMENT SCHEDULE

Ceiling Exhaust Fan — MARK: EF-1

Qty	Greenheck Model	Volume (CFM)	External SP Total SP (in wg)	FRPM	Operating Power (hp)	Weight (Lb.)	Motor Information: Size (hp)	V/C/P	Encl:	Motor RPM	Windings	FLA
1	SP-AP0511W	50	0.375 0.374	820	NA	10	NA	115/60/1	OP	700	1	NA

OPTIONS AND ACCESSORIES
Motion Detector, Grille Mounted, PN: 386690, Shipped Loose
Grille Lens, (PN: 483953) Shipped Loose
Round Duct Connection 6, 5, or 4 inch universal duct connector
Adjustable easy installation mounting bracket
Energy Star Most Efficient
ETL Listed
Polypropylene Wheel Material
Can Be Used to Comply with: ASHRAE 62.2, California Title 24, and Washington State Energy Code

EQUIPMENT SCHEDULE

Inline Cabinet Fan — MARK: EF-3

Qty	Greenheck Model	Volume (CFM)	External SP Total SP (in wg)	FRPM	Operating Power (hp)	Weight (Lb.)	Motor Information: Size (hp)	V/C/P	Encl:	Motor RPM	Windings	FLA
1	CSP-A200	50	0.375 0.375	594	0.02	26	NA	115/60/1	OP	900	1	NA

OPTIONS AND ACCESSORIES
UL/cUL 507 Listed - Electric Fan
Solid State Speed Control, 6 Amp, Shipped Loose
Motion Detector, Wall Mounted, (PN: 386339) Shipped Loose
Isolation Kit, (PN: VI KIT-SP/CSP), Shipped Loose
Adjustable easy installation mounting bracket
Energy Star Certified
Aluminum Wheel Material
Can Be Used to Comply with: ASHRAE 62.2, California Title 24, and Washington State Energy Code

EQUIPMENT SCHEDULE

Ceiling Exhaust Fan — MARK: EF-2

Qty	Greenheck Model	Volume (CFM)	External SP Total SP (in wg)	FRPM	Operating Power (hp)	Weight (Lb.)	Motor Information: Size (hp)	V/C/P	Encl:	Motor RPM	Windings	FLA
1	SP-AP0511W	50	0.375 0.374	820	NA	10	NA	115/60/1	OP	700	1	NA

OPTIONS AND ACCESSORIES
Motion Detector, Grille Mounted, PN: 386690, Shipped Loose
Grille Lens, (PN: 483953) Shipped Loose
Round Duct Connection 6, 5, or 4 inch universal duct connector
Adjustable easy installation mounting bracket
Energy Star Most Efficient
ETL Listed
Polypropylene Wheel Material
Can Be Used to Comply with: ASHRAE 62.2, California Title 24, and Washington State Energy Code

JOHNSON PEADEN ENGINEERING INC.
329 Brooks Street SE, Fort Walton Beach, FL 32548, 850.244.6189V 850.244.0545F
827 Grace Avenue, Panama City, FL 32401, 850.215.4068V 850.215.4069F
Alabama #CD-2429-E Arkansas #1654 Florida #00009014
Georgia #PEF003983 Mississippi #E-00000862
Texas #F-16637 Missouri #2018035834 Louisiana EF0006882

JPE Job Number: 2166

04 Oct 2021

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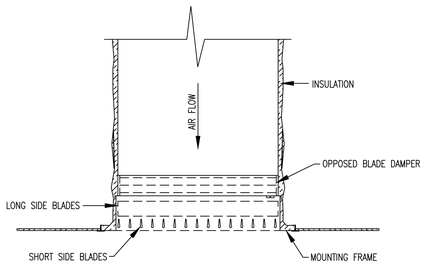
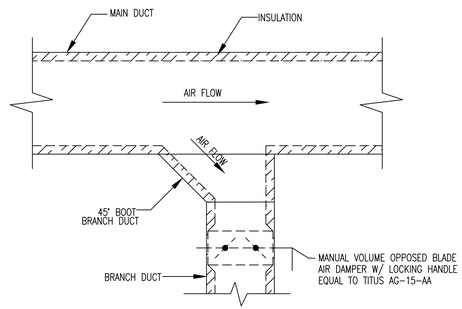
MECHANICAL FLOOR PLAN

M1.10

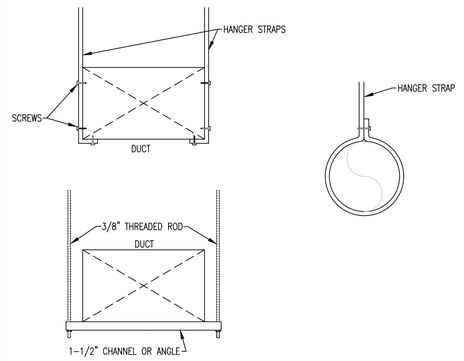


NOTES:
1. ALL REGISTERS SHALL BE DOUBLE DEFLECTION TYPE ALL ALUMINUM CONSTRUCTION.
2. BLADES SHALL BE NO FURTHER THAN 3/4" SPACING OR LESS THAN 1/2" SPACING.
3. CENTER REGISTER IN CEILING GRID.
4. IF DUCT IS INTERNALLY INSULATED, DIFFUSER SHALL BE WRAPPED WITH R-6 INSULATION AROUND ALL EXPOSED PARTS ABOVE CEILING.
5. REGISTER BASED UPON TITUS MODEL 300FS.

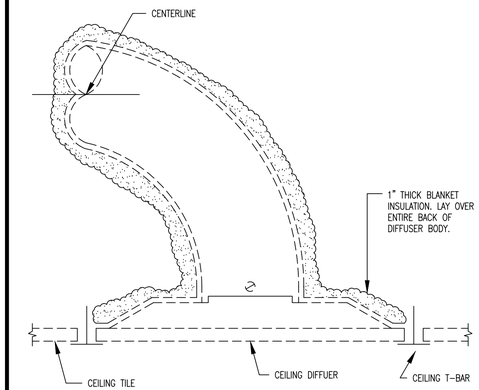
REGISTER DETAIL
NOT TO SCALE



BRANCH DUCT TAP FROM MAIN
NOT TO SCALE

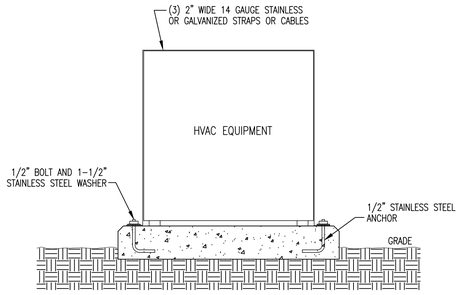


TYPICAL LOW-PRESSURE DUCT HANGERS
NOT TO SCALE

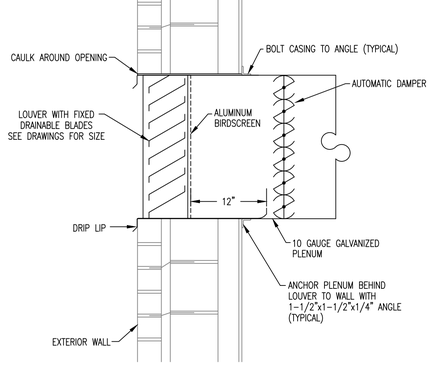


TYPICAL CEILING DIFFUSER DETAIL
NOT TO SCALE

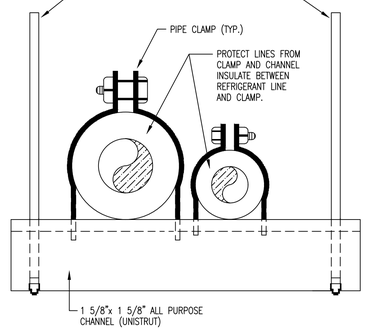
NOTES:
1. ALL PADS SHALL BE 6" THICK MINIMUM. EXTERIOR PADS SHALL HAVE AT LEAST 2" BELOW GRADE AND AT LEAST 4" ABOVE GRADE.
2. ANCHORS SHALL EXTEND INTO SLAB MINIMUM 3".
3. SECURE STRAPS AND CABLES TIGHT TO EQUIPMENT WITH MINIMUM 1/8" THICK RUBBERS STRIPS BETWEEN STRAPS/CABLES AND EQUIPMENT.



EXTERIOR CONCRETE EQUIPMENT PAD
NOT TO SCALE



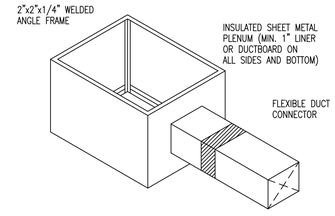
LOUVER THROUGH WALL W/ AD
NOT TO SCALE



NOTE: SUPPORT PIPE ON CHANNEL @ 10' O.C. MAX.

REFRIGERANT PIPE SUPPORT DETAIL
NOT TO SCALE

NOTE:
RUN WELDED ANGLE BRACKETS FOR AIR HANDLER'S HANDLER'S BASE FOR SUPPORT SO TOP INSULATED SHEET METAL DOES NOT SAG. SEAL AIR HANDLER TO PLENUM AIR TIGHT.



STAND-TYPE RETURN PLENUM
NOT TO SCALE

JOHNSON PEADEN ENGINEERING INC.
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Georgia #PEF003983 Mississippi #E-00000862
Texas #F-16637 Missouri #2018035834 Louisiana EF0006882

JPE Job Number: 2166

04 Oct 2021

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NEW OFFICE BUILDING FOR THE FORT WALTON BEACH CEMETERY

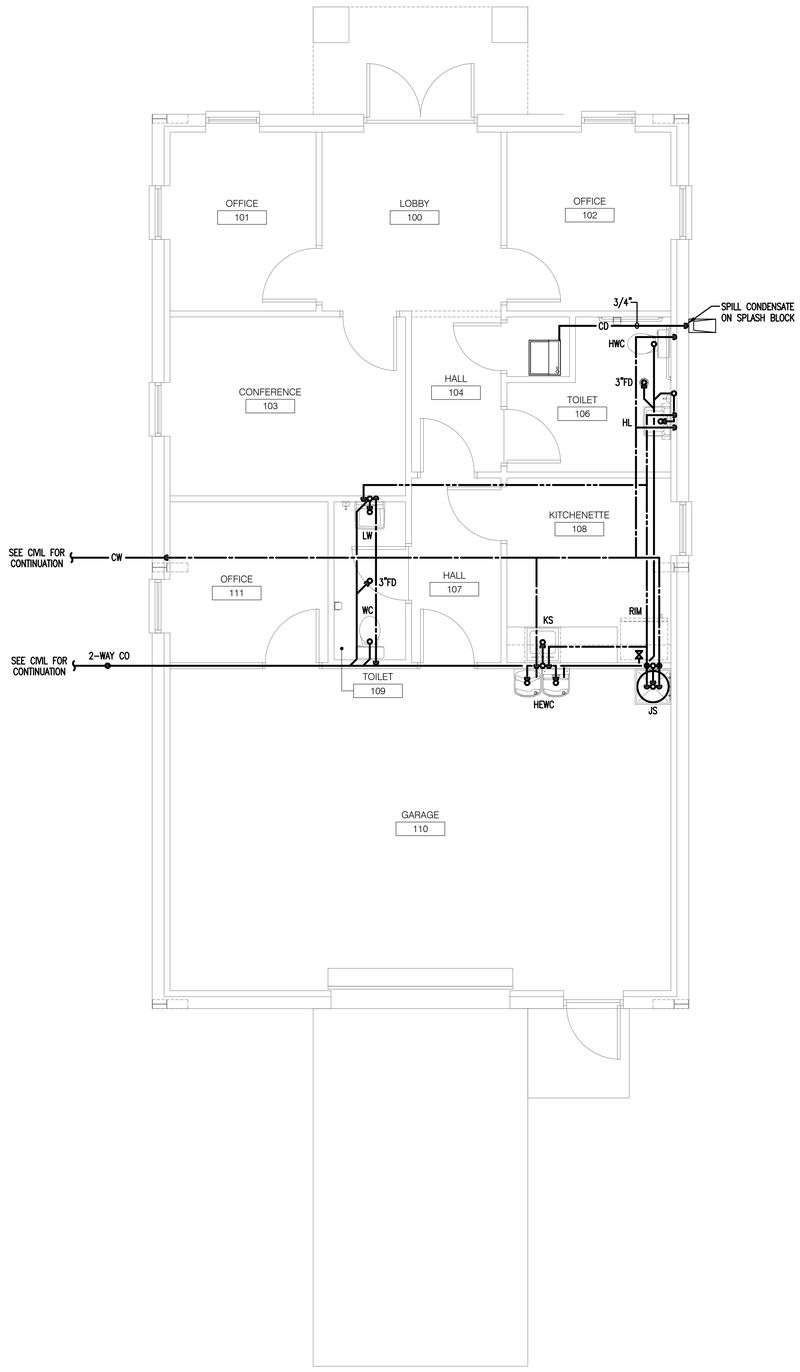
316 BEAL PKWY NW, WALTON BEACH
FORT WALTON BEACH, FLORIDA

STATE OF FLORIDA · JAMES DANIEL FLOYD · AR93986 · REGISTERED ARCHITECT

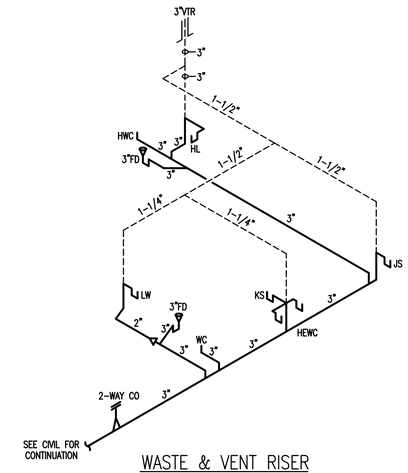
DATE:
DRAWN BY: SG
PROJECT NO: 2120
REVISIONS:

MECHANICAL DETAILS

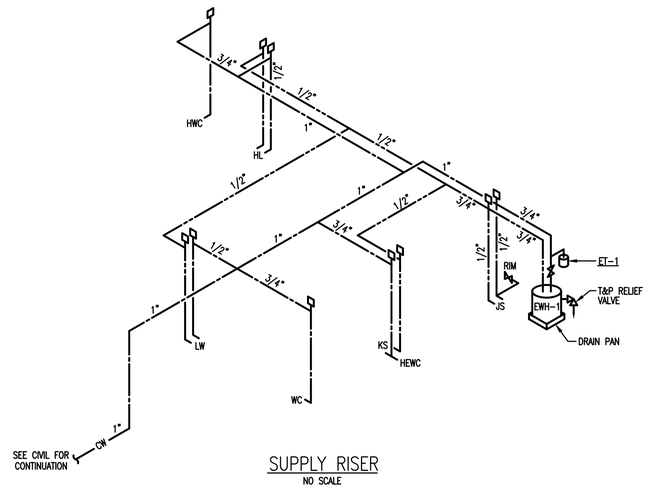
M2.10



1 PLUMBING FLOOR PLAN
SCALE: 1/4" = 1'-0"



WASTE & VENT RISER
NO SCALE



SUPPLY RISER
NO SCALE

GENERAL PLUMBING NOTES

1. FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NEEDED TO PROVIDE A COMPLETE PLUMBING SYSTEM. THIS INCLUDES, BUT IS NOT LIMITED TO, WATER PIPING, WASTE AND VENT PIPING, AND ALL NECESSARY VALVES, TRAPS, AND ACCESSORIES.
2. ALL WORK SHALL BE PERFORMED BY SKILLED AND EXPERIENCE WORKMEN. WORK SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED PERMITS, LICENSES, AND INSPECTIONS.
3. ROUGH-INS SHALL BE MADE FROM ARCHITECTURAL DRAWINGS AND FIELD VERIFICATION, NOT FROM PLUMBING DRAWINGS AS THEY ARE ONLY SCHEMATIC. THIS CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND TAPS, AND FOR CHECKING ALL ELEVATIONS, GRADES, AND INVERTS BEFORE THE START OF CONSTRUCTION. IF UNSATISFACTORY CONDITIONS EXIST, NOTIFY THE ARCHITECT IMMEDIATELY.
4. THIS CONTRACTOR SHALL COORDINATE ALL WORK WITH THE ELECTRICAL, MECHANICAL, AND FIRE PROTECTION CONTRACTORS TO AVOID CONFLICTS WITH OTHER TRADES. MAKE DEVIATIONS AS NECESSARY FROM THE WORK SHOWN ON THE DRAWINGS TO ENSURE THE WORK FITS THE SPACE(S) PROVIDED. NOTIFY THE ARCHITECT OF ALL NECESSARY DEVIATIONS.
5. IF NEW CONNECTIONS REQUIRE INTERRUPTION OF EXISTING SERVICES, ALL PREPARATORY WORK SHALL BE COMPLETED EARLY TO MINIMIZE TIME. WHERE POSSIBLE, PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN UTILITY SERVICE.
6. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND WITHOUT DEFECTS. SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIALS. ALL WORK DONE BY THIS CONTRACTOR SHALL BE WARRANTED FOR ONE YEAR FROM THE TIME THE OWNER GIVES ACCEPTANCE OR GAINS BENEFICIAL USE, WHICHEVER IS FIRST.
7. ALL SANITARY AND VENT LINES SHALL BE HUBLESS CAST IRON PIPE CISPI 310-78 STANDARD WEIGHT WITH SPIGOT ENDS FOR COUPLING. HUBLESS CAST IRON JOINTS TO BE CISPI 310 STAINLESS STEEL SHIELD OVER ONE PIECE NEOPRENE SLEEVE. THIS CONTRACTOR MAY USE PVC PIPE AND FITTINGS CONFORMING TO ASTM D-2665 WHERE ALLOWED BY CODE.
8. ROOF PENETRATIONS SHALL BE FLASHED AND MADE WATER-TIGHT IN A MANNER APPROVED BY THE MANUFACTURER OF THE ROOFING MATERIAL AND COMPLYING WITH ARCHITECTURAL REQUIREMENTS.
9. PROVIDE CLEANOUTS WHERE INDICATED ON PLANS AND AS NECESSARY TO COMPLY WITH THE STANDARD PLUMBING CODE. ALL CLEANOUTS SHALL BE IN ACCESSIBLE LOCATIONS.
10. INSULATE ALL DOMESTIC WATER PIPING ABOVE GRADE WITH 3/4" THICK FLEXIBLE CLOSED-CELL POLYETHYLENE INSULATION. SEAL ALL JOINTS AND SEAMS AND INSULATE FITTINGS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
11. HANGERS FOR EQUIPMENT AND PIPING SHALL BE SECURED TO THE BUILDING STRUCTURE. NO HANGERS SHALL BE ATTACHED TO THE FLOOR OR ROOF DECK MATERIAL, OR CONCRETE DECKS LESS THAN 4" THICK.
12. INSTALL SHOCK ABSORBERS VERTICALLY AT EACH FIXTURE. OFFSET AS NEEDED TO GAIN A MINIMUM HEIGHT OF 18". ALL SHOCK ABSORBERS SHALL BE A MINIMUM OF ONE PIPE SIZE LARGER THAN THE BRANCH BEING SERVED.
13. PROVIDE CHROME PLATED BRASS ESCUTCHEON PLATES AT ALL PENETRATIONS OF WALLS, FLOORS OR CEILINGS IN FINISHED AREAS AND UNDER LAVATORIES. PROVIDE STOPS AND TRAPS FOR ALL FIXTURES.
LEAK TEST WATER PIPING, FOR NOT LESS THAN 90 MINUTES AT 100 PSI. FILL SANITARY SEWER SYSTEM TO A MINIMUM HEIGHT OF TEN FEET AND LET STAND FOR AT LEAST 30 MINUTES WITHOUT LEAKAGE.
AFTER PRESSURE TESTS HAVE BEEN MADE, THOROUGHLY FLUSH THE ENTIRE DOMESTIC WATER SYSTEM WITH WATER UNTIL ALL ENTRAINED DIRT AND MUD HAVE BEEN REMOVED, AND STERILIZE. THE STERILIZING MATERIAL SHALL BE EITHER LIQUID CHLORINE CONFORMING THE FED. SPEC. 88-C-120, OR HYPOCHLORITE CONFORMING TO FED. SPEC. O-C-114, OR FED. SPEC. O-S-602M. THE CHLORINATING AGENT SHALL PROVIDE A MINIMUM DOSAGE OF 50 PPM AND SHALL BE RETAINED IN THE SYSTEM FOR 90 MIN. THE SYSTEM WILL THEN BE FLUSHED WITH CLEAN POTABLE WATER UNTIL THE RESIDUAL CHLORINE IS REDUCED TO LESS THAN 1.0 PPM. HAVE THREE STATE-APPROVED INDEPENDENT TESTING FACILITIES TAKE SAMPLES AND DELIVER CERTIFICATES OF APPROVAL TO THE OWNER. ANY NEGATIVE RESULTS MUST BE INVESTIGATED, AND IF NECESSARY CORRECTED, BEFORE THE BUILDING MAY BE ACCEPTED.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	SANITARY	C.W.	H.W.
HWC	WATER CLOSET, FLOOR, TANK TYPE, ADA COMPLIANT	3"	3/4"	–
WC	WATER CLOSET, FLOOR, TANK TYPE	3"	3/4"	–
HL	LAVATORY, WALL HUNG, ADA COMPLIANT, WITH LEONARD 170-LF-BP MIXING VALVE	1 1/4"	1/2"	1/2"
LW	LAVATORY, WALL HUNG, WITH LEONARD 170-LF-BP MIXING VALVE	1 1/4"	1/2"	1/2"
HEWC	ELECTRIC WATER COOLER, ADA COMPLIANT	1 1/4"	1/2"	–
JS	JANITOR SINK	1 1/2"	1/2"	1/2"
RIM	REFRIGERATOR ICE MAKER CONNECTION	–	1/2"	–
KS	KITCHEN SINK, WITH LEONARD 170-LF-BP MIXING VALVE	1 1/2"	1/2"	1/2"
FD	FLOOR DRAIN W/ TRAP PRIMER AND TRAP GUARD	3"	1/2"	–
EWH-1	ELECTRIC WATER HEATER, 40 GALLON, 4.5 kW ELEMENTS, 3 YR. WAR.			
	EQUAL TO AO SMITH DEL40	T&P	3/4"	3/4"
ET-1	EXPANSION TANK, 2.1 GALLON, 1.48 GALLON TANK ACCEPTANCE,			
	150 PSI MAXIMUM PRESSURE, EQUAL TO WATTS PLT-5			

PLUMBING LEGEND

	SOIL OR WASTE LINE
	VENT
	COLD WATER (CW)
	HOT WATER (HW)
CW	COLD WATER (EXTERIOR)
CD	CONDENSATE DRAIN
	GATE VALVE
	T & P RELIEF VALVE
CO	FLOOR CLEANOUT
	SHOCK ABSORBER
	VENT THRU ROOF

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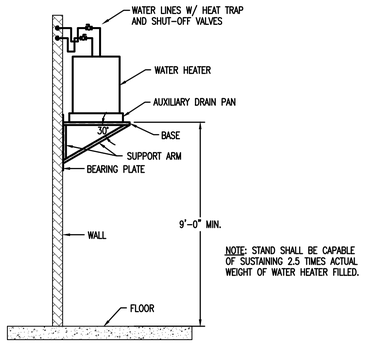
STATE OF FLORIDA DANIEL FLOYD WADSWORTH REGISTERED ARCHITECT AR93906

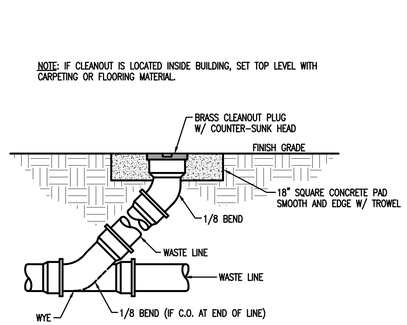
PLUMBING FLOOR PLAN, NOTES, LEGEND, & FIXTURE SCHEDULE

P1.10



WALL MOUNTED WATER HEATER

NOT TO SCALE



CLEANOUT DETAIL

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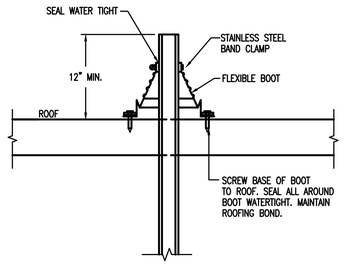
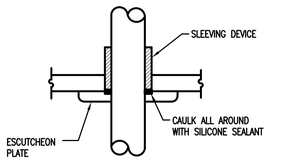
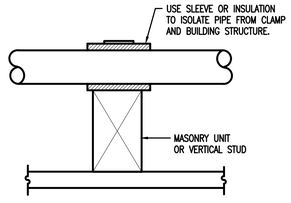


VENT THROUGH ROOF DETAIL

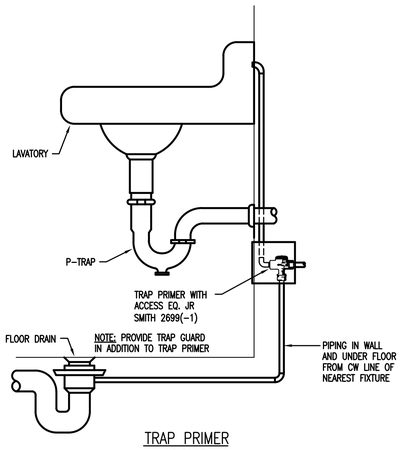
NOT TO SCALE





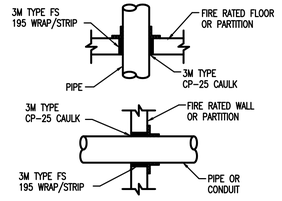
METHODS OF SECURING PIPE PENETRATIONS AND SUPPORTS

NO SCALE



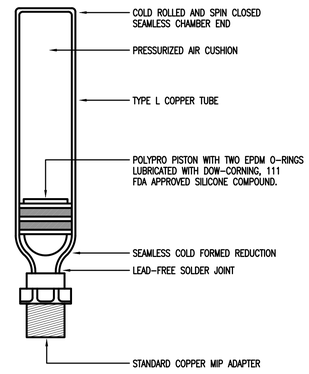
TRAP PRIMER

NO SCALE



FIRE STOPPING OF PIPING PENETRATIONS

NO SCALE



WATER HAMMER ARRESTER

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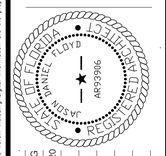
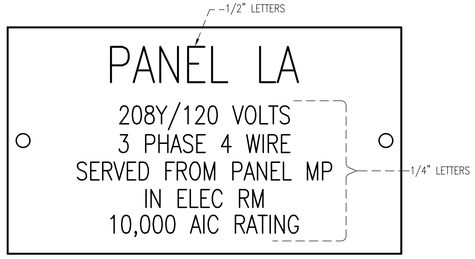


DATE:
DRAWN BY: SG
PROJECT NO: 2120
REVISIONS:

PLUMBING DETAILS

P2.10

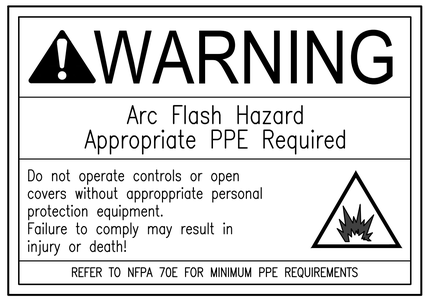


TYPICAL ELECTRICAL EQUIPMENT IDENTIFICATION DETAIL

NOT TO SCALE

ELECTRICAL EQUIPMENT IDENTIFICATION DETAIL NOTES:

1. MECHANICALLY AFFIX NAMEPLATE TO PANELBOARDS, CONTROL PANELS, MOTOR CONTROL CENTERS, DISCONNECTS, STARTERS OR SIMILAR DEVICES.
2. LETTERS SHALL BE WHITE ON BLACK BACKGROUND; SIZE OF LETTERS INDICATED ON DETAIL.
3. INFORMATION IN LABEL IS A GENERIC EXAMPLE – DESIGNATE EQUIPMENT IN A SIMILAR WAY USING RELEVANT INFORMATION (NAME OF PANEL, VOLTS, PHASE, LOCATION, AIC RATING ETC.) ACCORDING TO EACH INDIVIDUAL LOCATION OF EQUIPMENT.



TYPICAL ARC FLASH HAZARD LABEL DETAIL

NOT TO SCALE

ARC FLASH LABEL DETAIL NOTES:

1. PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ALL PANEL AND SWITCHBOARDS IN ACCORDANCE WITH NEC 110.16 AND NFPA 70E.
2. LABELING MAY BE COMPLETED BY EQUIPMENT MANUFACTURER, VENDOR, OR CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL PANELS AND SWITCHBOARDS ARE LABELED IN THE FIELD.
3. THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.

120/240 VOLT 1ø 3W
200 AMP MAIN BREAKER

CIRCUIT BREAKER PANEL SCHEDULE
PANEL MP

FLUSH MOUNTED

CKT	LOAD DESCRIPTION	BREAKER POLE	BREAKER AMP	LOAD KVA		BREAKER AMP	BREAKER POLE	LOAD DESCRIPTION	CKT
1	REC–GARAGE	1	20	1.26	4.50	30	2	WATER HEATER	2
3	DRINK FOUNTAIN–GARAGE	1	20	1.20		↑	↑	↑	4
5	REC–OFFICE 111	1	20	.72	6.95	40①	2	AHU–1	6
7	REC–CONF 103,TLT 109	1	20	.90		↑	↑	↑	8
9	REC–OFFICE 101	1	20	1.08	3.85	35①	2	HP–1	10
11	REC–KITCHEN 108	1	20	.36		↑	↑	↑	12
13	REFRIG–KITCHEN 108	1	20	.72		20	1	SPARE	14
15	REFRIG–KITCHEN 108,HALL,TLT	1	20	1.08		20	1	SPARE	16
17	REC–OFFICE 102	1	20	.90		20	1	SPARE	18
19	REC–ELECTRONIC MIXING VALVE	1	20	.20		20	1	SPARE	20
21	LTS–OFFICES,HALL,TLT	1	20	1.15		20	1	SPARE	22
23	LTS–KITCHEN,OFFICE,HALL	1	20	.65		20	1	SPARE	24
25	REC–STRUCTURED MEDIA CABINET	1	20	.50		20	1	SPARE	26
27	LTS–EXTERIOR	1	20	.20		20	1	SPARE	28
29	SPARE	1	20			20	1	SPARE	30
31	SPACE	1	--			--	1	SPACE	32
33	SPACE	1	--			--	1	SPACE	34
35	SPACE	1	--			--	1	SPACE	36
37	SPACE	1	--			--	1	SPACE	38
39	SPACE	1	--			--	1	SPACE	40
41	SPACE	1	--			--	1	SPACE	42

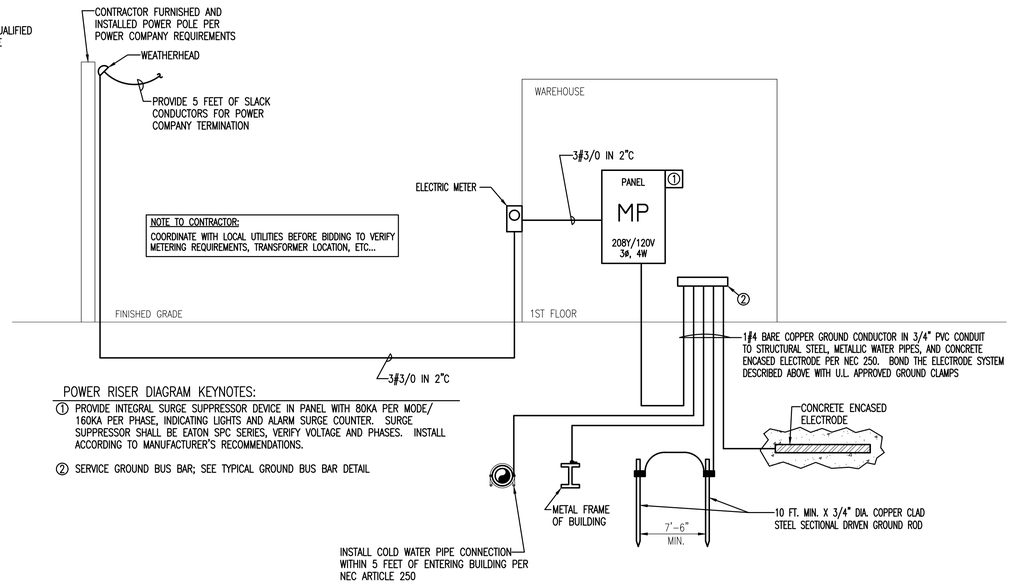
TOTAL CONNECTED LOAD: 26.02 KVA
MINIMUM INTERRUPTING CAPACITY: 10,000 AMPS SYMMETRICAL

① HACR RATED BREAKER; VERIFY SIZE REQUIRED FOR EQUIPMENT FURNISHED

MANUFACTURERS CONSIDERED EQUAL MUST SUBMIT TO ENGINEER 10 DAYS PRIOR TO BID FOR APPROVAL.

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER AND CATALOG No. (or approved equal)	LAMPS No.	LAMPS TYPE	MOUNTING	REMARKS
CL	FSS-3-30L-840-UNV-DIM		26W LED ARRAY 3000 LUMENS/4000K	WALL ABOVE DOOR	LED STRIP LIGHT
FL	RAB SMSBULLET2X12NA		12W LED ARRAY 1914 LUMENS/4000K	WALL ABOVE DOOR	LED FLOOD LIGHT WITH MOTION SENSOR
LT	H.E. WILLIAMS LT–22–L27–835–AF–DIM–UNV		22W LED ARRAY 2700 LUMENS/3500K	CEILING RECESSED	2X2 RECESSED LED FIXTURE
LTE	H.E. WILLIAMS LT–22–L27–835–AF–DIM–UNV–EM/10W		20W LED ARRAY 2600 LUMENS/3500K	CEILING RECESSED	2X2 RECESSED LED FIXTURE, EMERGENCY UNIT BATTERY PACK
LG	H.E. WILLIAMS 39–4–L52–835–80–A		37W LED ARRAY 5200 LUMENS/3500K	CEILING PENDANT @ 14'–0" AFF	4 FT LINEAR LED PENDANT MOUNT WRAP
LGE	H.E. WILLIAMS 39–4–L52–835–80–A–EM/10WLP		37W LED ARRAY 5200 LUMENS/3500K	CEILING PENDANT @ 14'–0" AFF	4 FT LINEAR LED PENDANT MOUNT WRAP, EMERGENCY UNIT BATTERY PACK
MB	H.E. WILLIAMS WMAUD–3–L30–835U–L30–835D–AF–DRV–UNV		23W LED ARRAY 3000 LUMENS/3500K	WALL ABOVE MIRROR	3 FT LINEAR LED WALL MOUNT UP/DOWN LIGHT
WB	CAMMAN LIGHTING OW73826–27		20W LED ARRAY 1250 LUMENS/4000K	WALL @ 7'–6" AFF	DECORATIVE LED WALL BRACKET
WBE	CAMMAN LIGHTING OW73826–27–EM		20W LED ARRAY 1250 LUMENS/4000K	WALL @ 7'–6" AFF	DECORATIVE LED WALL BRACKET, EMERGENCY UNIT BATTERY PACK
X	WILLIAMS EXIT–R–EM–WHT–SDT		LED	WALL ABOVE DOOR	LED EXIT LIGHT WITH THERMOPLASTIC HOUSING, PROVIDE DIRECTIONAL ARROWS AS INDICATED, 120V, SELF TEST DIAGNOSTICS, EMERGENCY UNIT BATTERY PACK



POWER RISER DIAGRAM KEYNOTES:

① PROVIDE INTEGRAL SURGE SUPPRESSOR DEVICE IN PANEL WITH 80KA PER MODE/ 160KA PER PHASE, INDICATING LIGHTS AND ALARM SURGE COUNTER. SURGE SUPPRESSOR SHALL BE EATON SPC SERIES, VERIFY VOLTAGE AND PHASES. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

② SERVICE GROUND BUS BAR; SEE TYPICAL GROUND BUS BAR DETAIL

POWER RISER DIAGRAM

NOT TO SCALE

ELECTRICAL LEGEND

CEILING OUTLETS

"A" RECESSED 2' X 2' LED FIXTURE MARK "A"

RECESSED 2' X 2' LED FIXTURE WITH EMERGENCY UNIT BATTERY PACK

RECESSED OR SURFACE MOUNTED LED FIXTURE

J JUNCTION BOX

CEILING SURFACE MOUNTED EMERGENCY EXIT LIGHT WITH REMOTE BATTERY

EF EXHAUST FAN

WALL OUTLETS

DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5–20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE

QUADRAPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5–20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE

G DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5–20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE

G DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5–20R. MOUNT 6" ABOVE COUNTER

WP DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA GF–5–20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; PROVIDE WEATHERPROOF BOX FOR RECEPTACLE

SPLIT RECEPTACLE CONTROLLED BY OCCUPANCY SENSOR/RELAY – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5–20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE. MARK RECEPTACLES IN ACCORDANCE WITH NEC 406.3(E). SEE SENSOR CONTROLLED RECEPTACLE DIAGRAM

G,C SPLIT RECEPTACLE CONTROLLED BY OCCUPANCY SENSOR/RELAY – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5–20R. MOUNT 6" ABOVE COUNTER (DENOTED BY C, NO C INDICATES 18" AFF) UNLESS NOTED OTHERWISE. MARK RECEPTACLES IN ACCORDANCE WITH NEC 406.3(E). SEE SENSOR CONTROLLED RECEPTACLE DIAGRAM

① JUNCTION BOX WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION

WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)

S A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT

S_R WALL MOUNTED OCCUPANCY SENSOR; DUAL TYPE (INFRARED AND ULTRASONIC) TECHNOLOGY; MOUNT 48" AFF TO C/L; EQUAL TO WATTSTOPPER DW–100

S_{RD} WALL MOUNTED OCCUPANCY SENSOR; DUAL TYPE (INFRARED AND ULTRASONIC) TECHNOLOGY; MOUNT 48" AFF TO C/L; EQUAL TO WATTSTOPPER DW–311

TELEPHONE & TV SYSTEM

TELECOMMUNICATIONS OUTLET AT 18" AFF; STUB CAT 6 CABLE IN 1"C TO ABOVE ACCESSIBLE CEILING. SEE TYPICAL CABLE INSTALLATION DETAIL. HOMERUN CABLE TO COMMUNICATIONS BACKBOARD AND TERMINATE ON EXISTING PATCH PANEL IN TELECOMM ROOM

PANELS AND POWER

120/240 VOLT FLUSH MOUNTED PANELBOARD

NON–FUSIBLE DISCONNECT SWITCH; XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING; SS INDICATES ENCLOSURE SHALL BE STAINLESS STEEL

BRANCH CIRCUITING

RUN CONCEALED UNDER FLOOR OR IN GRADE

RUN CONCEALED IN CEILING OR WALLS

LA–1 HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #12, 1 #12 GROUND – 1/2" C; ~~3~~ 3 #12, 1 #12 GROUND – 1/2" C; ~~4~~ 4 #12, 1 #12 GROUND – 3/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.

LIQUID–TIGHT FLEXIBLE CONDUIT CONNECTION

SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPINDICULAR TO BUILDING LINES

AT CONTRACTOR'S OPTION; MC CABLE MAY BE USED IN LIEU OF EMT SUBJECT TO NEC CODE RESTRICTIONS

MISCELLANEOUS

A.F.F. ABOVE FINISH FLOOR

WP WEATHERPROOF

U.N.O. UNLESS NOTED OTHERWISE

OCCUPANCY SENSORS AND RELAYS

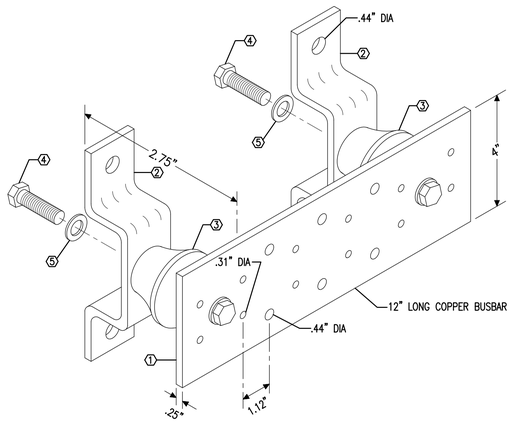
360° CEILING MOUNTED OCCUPANCY SENSOR WITH DUAL TECHNOLOGY (INFRARED AND ULTRASONIC) WATTSTOPPER DT–200–1

P POWER PACK RELAY EQUAL TO WATTSTOPPER BZ250; INSTALL IN ACCESSIBLE LOCATION FOR MAINTENANCE PURPOSES

B POWER PACK RELAY EQUAL TO WATTSTOPPER BZ200; INSTALL IN ACCESSIBLE LOCATION FOR MAINTENANCE PURPOSES; SEE CONTROLLED RECEPTACLE DIAGRAMS

ELECTRICAL GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.
2. RECEPTACLES, SWITCHES AND COVERPLATES COLOR SHALL BE SELECTED BY THE ARCHITECT FROM STANDARD COLORS.
3. LOCATION OF LIGHTING FIXTURES, DISCONNECT SWITCHES, ETC. FOR MECHANICAL EQUIPMENT/ROOM SHALL BE COORDINATED WITH FINAL MECHANICAL EQUIPMENT LOCATION TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE.
4. FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
5. ALL EXIT AND EMERGENCY FIXTURES SHALL BE CONNECTED TO LIGHT CIRCUIT AHEAD OF LOCAL SWITCH.
6. ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, DISCONNECTS, ETC SHALL HAVE CUSTOM ENGRAVED MICARTA NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM.
7. GENERAL CONTRACTOR SHALL FIELD–VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
8. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
9. FURNISH ALL EQUIPMENT AND LABOR, PERFORM ALL LABOR WITH SUPERVISION, BEAR ALL EXPENSES, AS NECESSARY FOR THE SATISFACTORY COMPLETION OF ALL WORK READY FOR OPERATION.
10. COMPLY WITH ALL LOCAL CODE, LAWS, AND ORDINANCES APPLICABLE TO ELECTRICAL WORK, THE STATE BUILDING CODE AND THE NATIONAL ELECTRIC CODE. OBTAIN ALL PERMITS REQUIRED BY LOCAL ORDINANCES.
11. OBTAIN ARCHITECTS APPROVAL OF ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANELBOARDS, ETC. PRIOR TO PURCHASING.
12. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY CONFLICTS/DISCREPANCIES BETWEEN DISCIPLINES BEFORE ORDERING EQUIPMENT/MATERIALS.
13. DECORATIVE COVER PLATES FOR RECEPTACLE OUTLETS, SWITCHES, ETC. SHALL BE STAINLESS STEEL; REFER TO ELECTRICAL SPECIFICATIONS
14. INSTALL OCCUPANCY SENSORS AND ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS. ALL CONDUCTORS (INCLUDING CONTROLS) ASSOCIATED WITH OCCUPANCY SENSORS AND POWER PACKS SHALL BE INSTALLED IN 1/2" CONDUIT MINIMUM.
15. ELECTRICAL CONTRACTOR SHALL PAINT AND LABEL ALL JUNCTION BOXES TO IDENTIFY PANEL AND CIRCUIT; SEE ELECTRICAL SPECIFICATIONS.
16. ALL CONDUCTORS INDICATED ON PLAN SHALL BE COPPER.
17. EQUIPMENT GROUNDING CONDUCTOR SHALL BE PULLED IN ALL BRANCH CIRCUIT WIRING. CONDUIT GROUND SHALL NOT BE ACCEPTABLE.
18. THE ELECTRICAL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. ALL NOT SO INSTALLED SHALL BE REMOVED AND REPLACED AT NO COST TO THE OWNER.
19. ALL CONDUCTORS LESS THAN 100A. SHALL BE COPPER #12 & #10 SOLID, #8 AND LARGER STRANDED, 600 VOLT INSULATION



TYPICAL GROUND BUS BAR DETAIL

NOT TO SCALE

GROUND BAR GENERAL NOTES:

1. INSTALL GROUND BUS BAR ON COMMUNICATIONS BACKBOARD IN COMMUNICATIONS ROOM AND ELECTRICAL SERVICE ENTRANCE. MOUNT BUS BAR AT 18" AFF.
2. INSTALL 1#3/0 COPPER CONDUCTOR IN 1" CONDUIT TO EACH GROUND BUS BAR FROM THE MAIN GROUND BUS BAR. INSTALL A #3/0 COPPER GROUND FROM THE MAIN BUS BAR TO THE ELECTRICAL SERVICE GROUND.

GROUND BAR MATERIALS:

① TIN PLATED HIGH CONDUCTIVE COPPER GROUND BAR

② WALL MOUNTING BRACKET

③ INSULATORS

④ 3/8" CAP SCREWS

⑤ 3/8" LOCKWASHERS

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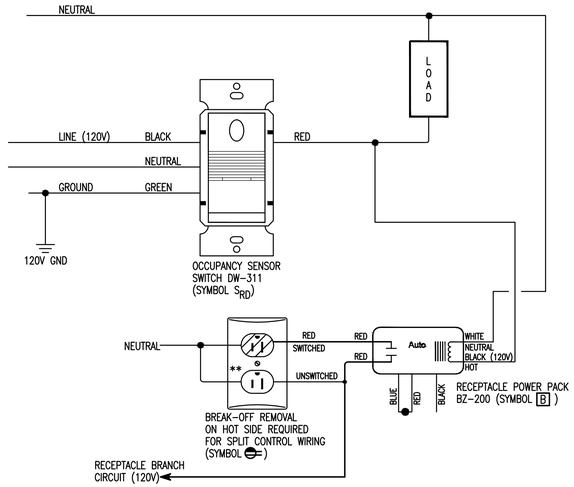
NEW OFFICE BUILDING FOR THE
FORT WALTON BEACH CEMETERY
316 BEAL PKWY NW, WALTON BEACH
FORT WALTON BEACH, FLORIDA

DATE: 11/12/2021
DRAWN BY: CY
PROJECT NO: 2120
REVISIONS:
Prelim [etc]

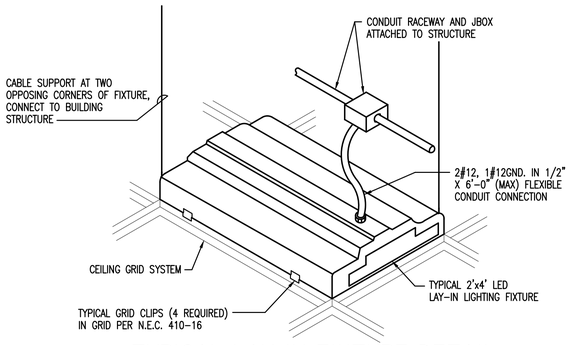
ELECTRICAL LEGEND, NOTES & DETAILS

E0.01



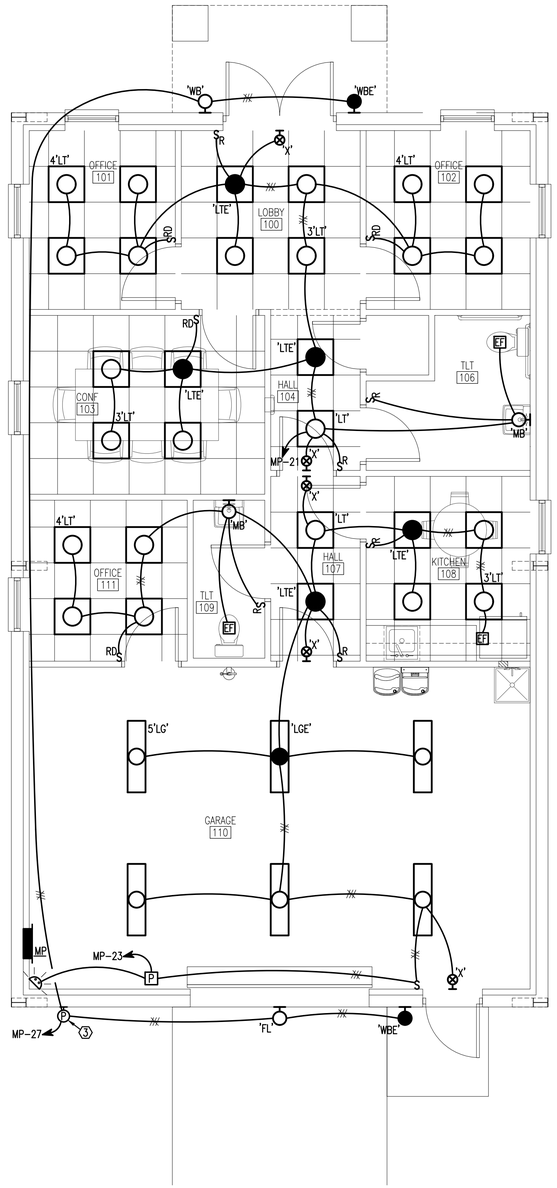
WALL MOUNTED SENSOR CONTROLLED RECEPTACLE DIAGRAM

NOT TO SCALE



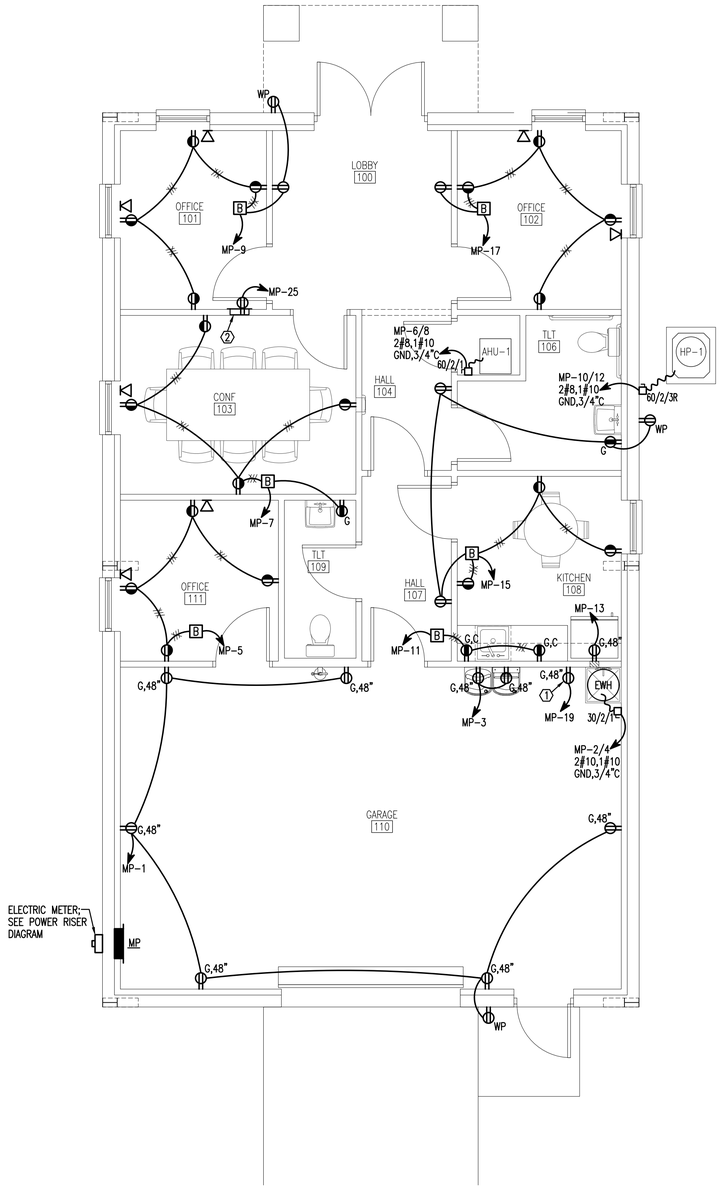
TYPICAL LAY-IN FIXTURE DETAIL

NOT TO SCALE



LIGHTING PLAN

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



POWER & SIGNAL PLAN

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

KEYNOTES:

1. RECEPTACLE FOR ELECTRONIC MIXING VALVE; VERIFY LOCATION IN FIELD
2. FLUSH MOUNTED STRUCTURED MEDIA PANEL, EQUAL TO LEVITON 140 SERIES; MOUNT RECEPTACLE IN MEDIA PANEL; PROVIDE WITH HINGED DOOR
3. SIDEWALL MOUNTED PHOTOCELL EQUAL TO TORK#2101

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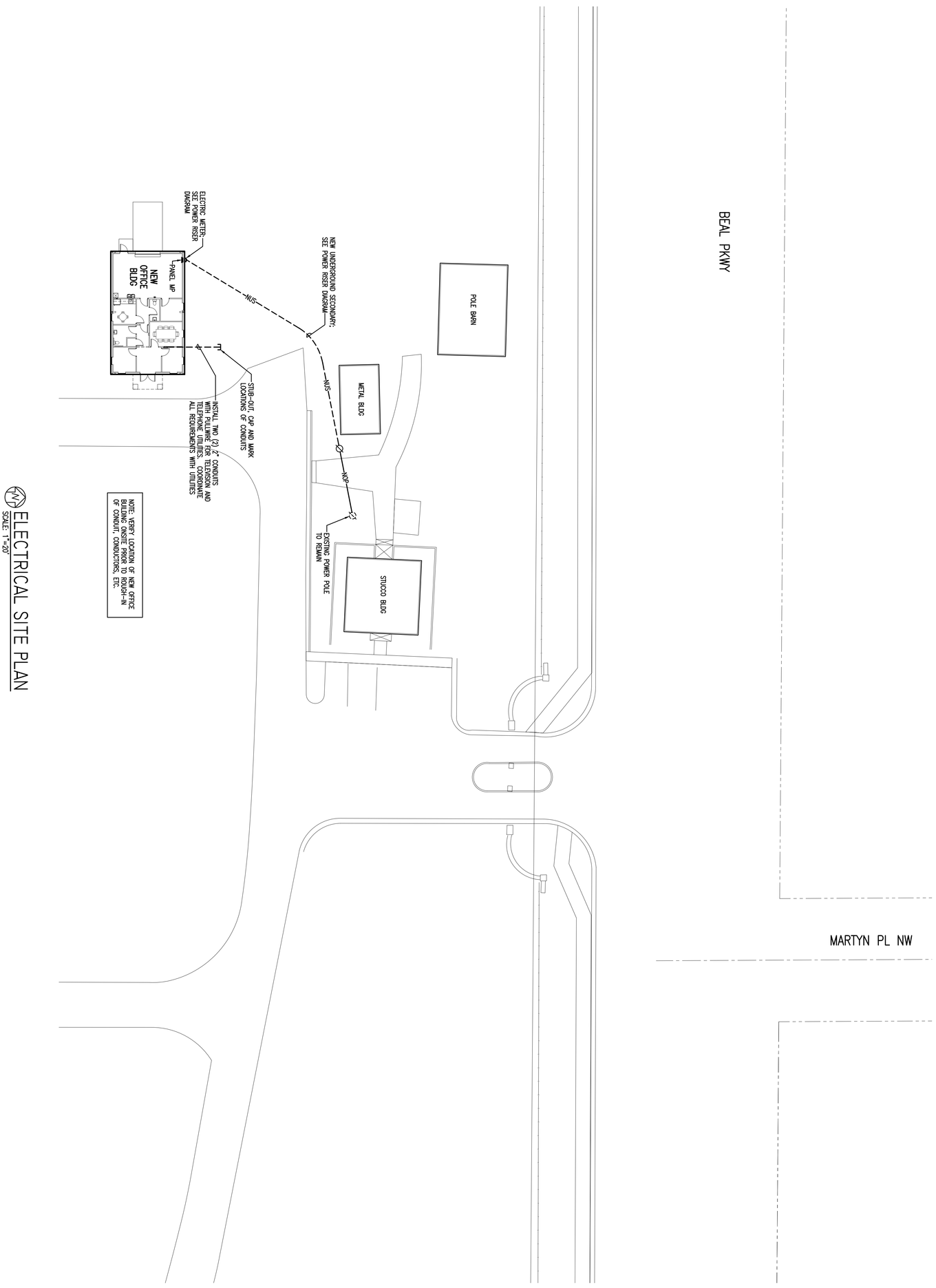
316 BEAL PKWY NW, WALTON BEACH
FORT WALTON BEACH, FLORIDA

DATE: 11/12/2021
DRAWN BY: OY
PROJECT NO: 2120
REVISIONS:
Prelim [etc]

LIGHITNG AND POWER & SIGNAL PLANS

E1.00



ELECTRICAL SITE PLAN
SCALE: 1"=20'

ELECTRICAL SITE PLAN

E2.00

DATE: 11/12/2021
DRAWN BY: QY
PROJECT NO: 2120
REVISIONS:

Prelim [etc]

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