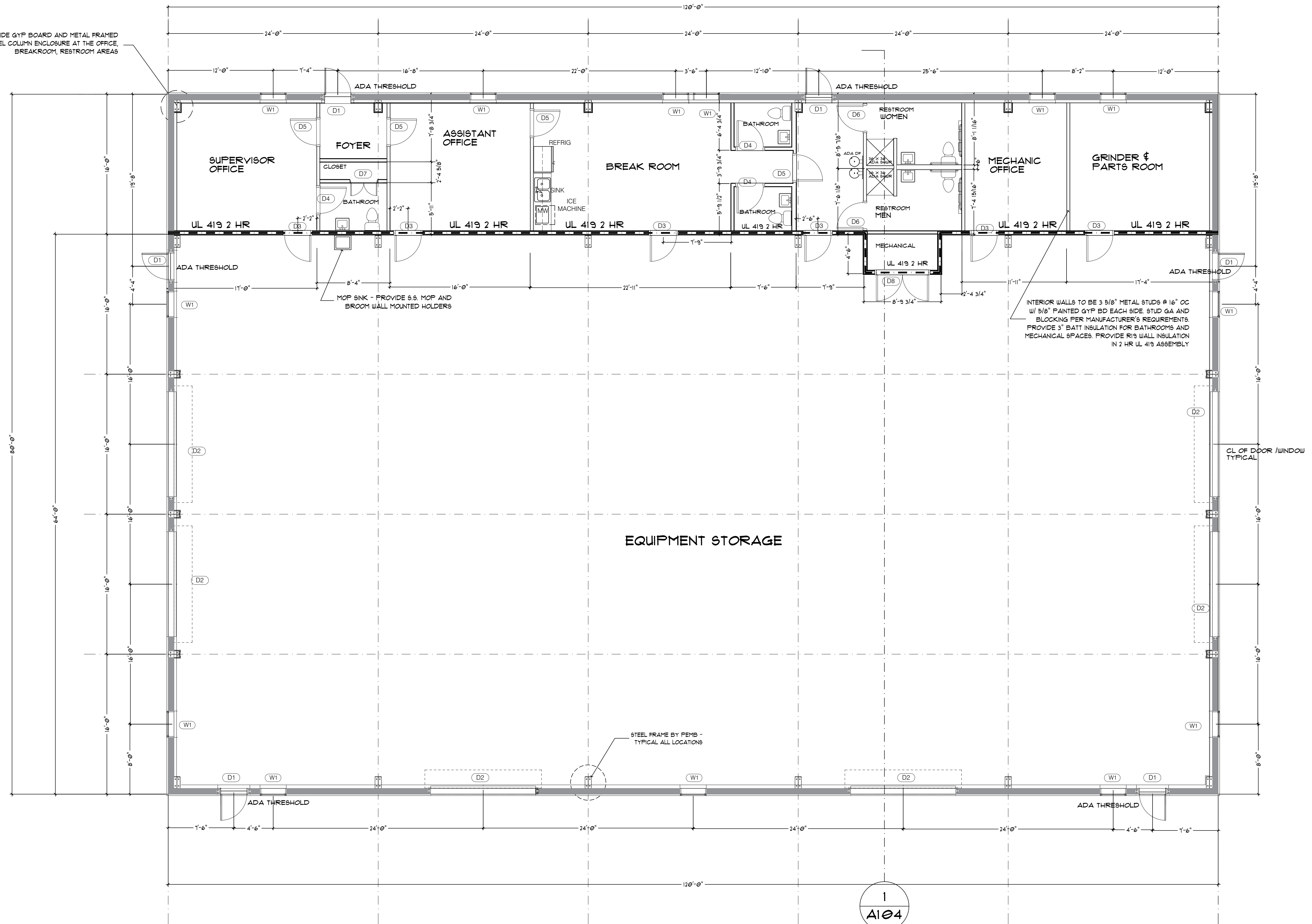


NOTE: PROVIDE GYP BOARD AND METAL FRAMED STEEL COLUMN ENCLOSURE AT THE OFFICE, BREAKROOM, RESTROOM AREAS



1
A104

INDICATES 2 HR WALL ASSEMBLY
UL 419 OR APPROVED EQUAL

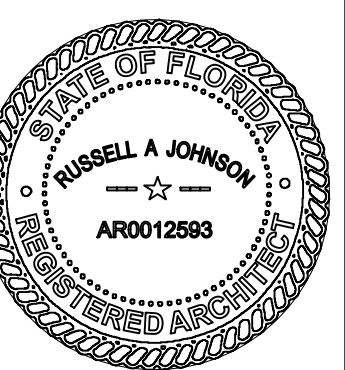
FLOOR PLAN
SCALE: 3/16" = 1'-0"

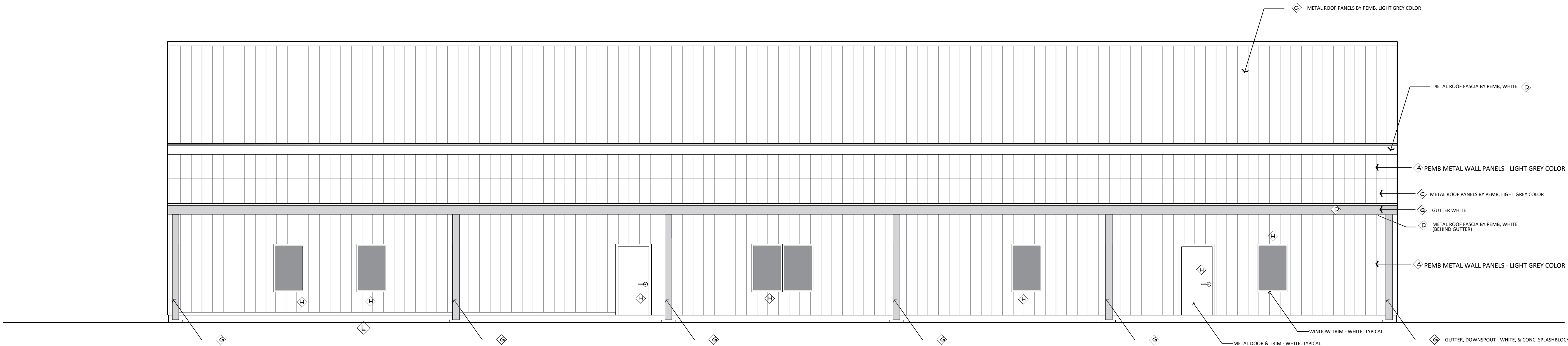
RUSSELL JOHNSON ARCHITECT PL
ARCHITECTURE
AR 00012593
850 630 4483
RAJARCH@15N.COM



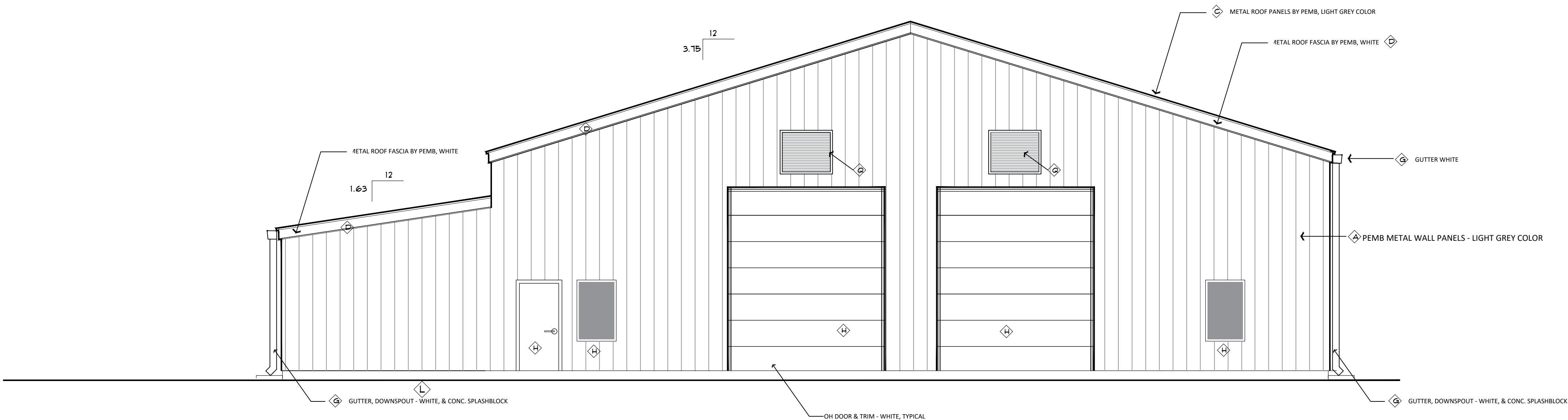
DATE	
DRAWN	REVIEWED
REVISIONS	
NO.	DATE
PROJECT #	

**EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING**
WALTON COUNTY, FLORIDA





FRONT ELEVATION



WINDOW SCHEDULE

CODE	DESCRIPTION
W1	3'-4" W X 4'-8" H SINGLE HUNG

NOTE: THE BASIS OF DESIGN FOR THE WINDOWS SHALL BE ALUMINUM FIXED "KAWNEER" SERIES 8400TL - FRAME COLOR WHITE AS SELECTED BY OWNER FROM MANUFACTURER'S STANDARD COLORS. APPROVED EQUALS ARE ACCEPTED IF APPROVED BY OWNER.

FINISH SCHEDULE

INTERIOR WALLS - OFFICES / BREAK ROOMS / RESTROOMS ETC. PAINTED GYP BD. MOISTURE RESISTANT GYP BD IN RESTROOMS. PROVIDE PRIME COAT, (2) COATS OF FINISH. COLOR PER OWNER. EPOXY PAINT IN RESTROOMS, MECH SPACES, AND SURFACES EXPOSED TO STORAGE AREA REQUIRING PAINTING.

STORAGE AREA - 8 FT HIGH METAL PANELS BY PEMB MANUFACTURER - EXPOSED METAL STRUCTURAL AND OTHER FRAMES TO BE PAINTED AFTER REMOVING ALL RUST - USE PRIMER AND PAINT DESIGNED FOR METAL - SUBMIT PAINT TO OWNER FOR APPROVAL

INTERIOR DOOR FRAMES TO RECEIVE TNEDEC "GRAY COURT" #GR22 OR APPROVED EQUAL CEILINGS - PAINTED GYP BD. 1 COAT PRIMER 2 COATS FINISH - USE EPOXY PAINT ON MOISTURE RESISTANT GYP BD IN RESTROOMS. (EXCEPT STORAGE AREA)

FLOORING - (OFFICES, BREAK ROOM, BATHROOMS, HALLWAY, ETC) VINYL COMPOSITION TILE EQUAL TO TARKETT VOT II. COLOR BY OWNER FROM MANUFACTURER'S STANDARD COLORS BASE - EQUAL TO MERCER 18" 4" VINYL COVE BASE - FROM STANDARD COLORS STORAGE AREA FLOORS - SEALED CONCRETE W/ A NON-SLIP FINISH - BASIS OF DESIGN SHALL BE TS10 BY "CONCRETE SEALERS USA" OR AN APPROVED EQUAL. INSTALL AND FINISH CONCRETE SURFACE PER MANUFACTURER'S SPECIFICATIONS. (REFER TO ROOM FINISH NOTES)

NOTE: FINISHES SHALL BE COORDINATED WITH OWNER PRIOR TO PURCHASING AND CONSTRUCTION. SUBMIT SAMPLES FOR OWNER APPROVAL. APPROVED ALTERNATES ARE ACCEPTABLE.

NOTE: PROVIDE 3" SOUND BATT IN BATHROOM AND MECHANICAL ROOM WALLS.

DOOR SCHEDULE

SYMBOL	TYPE	SIZE	DESCRIPTION	REMARKS
D1	EXTERIOR DOOR	3-0 W, 6-8 H	PAINTED GALV STEEL, HW FRAME MINERAL FIBER INSULATION	W/ CLOSERS & ADA COMPLIANT LOCKSETS/HANDLES KEYED ON THE EXTERIOR SIDE W/ PRIVACY TURN BUTTON ON INTERIOR SIDE
D2	OH DOOR - ELECTRIC	12-0 W, 14-0 H	PAINTED GALV STEEL, HW FRAME	SEE NOTE BELOW FOR BASIS OF DESIGN
D3	PERSONEL DOOR, INTERIOR	3-0 W, 6-8 H	PAINTED METAL, HW FRAME MINERAL FIBER INSULATION	1.5 HOUR FIRE RATED UL ASSEMBLY W/ CLOSERS & ADA COMPLIANT LOCKSETS/HANDLES, SMOKE GASKET, DOOR SWEEP KEYED ON THE EXTERIOR SIDE W/ PRIVACY TURN BUTTON ON INTERIOR SIDE
D4	BATHROOM DOOR	3-0 W, 6-8 H	PAINTED METAL, HW FRAME INSULATED	W/ CLOSERS & ADA COMPLIANT LOCKSETS/HANDLES PRIVACY PUSH BUTTONS, INSIDE PUSH BUTTON LOCKS OUTSIDE LEVER PROVIDE COAT HOOK
D5	OFFICE DOOR, INTERIOR	3-0 W, 6-8 H	PAINTED METAL, HW FRAME INSULATED	ADA COMPLIANT LOCKSETS/HANDLES, SMOKE GASKET, DOOR SWEEP KEYED ON THE EXTERIOR SIDE W/ PRIVACY TURN BUTTON ON INTERIOR SIDE
D6	RESTROOM DOOR	3-0 W, 6-8 H	PAINTED METAL, HW FRAME INSULATED	ADA COMPLIANT LOCKSETS/HANDLES PRIVACY PUSH BUTTON ON INSIDE, INSIDE BUTTON LOCKS OUTSIDE LEVER. TURNING INSIDE LEVER RELEASES INSIDE BUTTON AND UNLOCKS LOCKSET.
D7	CLOSET DOOR	(2) 1-6 W, 6-8 H	PAINTED WOOD, WD FRAME	ADA COMPLIANT LOCKSETS/HANDLES
D8	MECH CLOSET	(2) 3-0 W, 6-8 H	PAINTED METAL, HW FRAME MINERAL FIBER INSULATION	1.5 HOUR FIRE RATED UL ASSEMBLY W/ ASTRAGAL W/ CLOSERS & ADA COMPLIANT LOCKSETS/HANDLES, SMOKE GASKET, DOOR SWEEP KEYED ON THE EXTERIOR SIDE W/ PRIVACY TURN BUTTON ON INTERIOR SIDE

- DOOR & WINDOW NOTES:
- REFER TO STRUCTURAL NOTES FOR WIND PRESSURES - COMPONENTS AND CLADDING NOTES
 - PROVIDE DOOR AND WINDOW SUBMITTALS FOR OWNER APPROVAL.
 - ALL EXTERIOR HARDWARE TO BE STAINLESS STEEL, COMMERCIAL GRADE HARDWARE
 - ALL HARDWARE TO BE COMMERCIAL GRADE 1.
 - ALL EXTERIOR COMPONENTS SHALL BE A COMPLETE WEATHER TIGHT ASSEMBLY AND SHALL BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.
 - COORDINATE DOOR KEYING WITH OWNER.
 - ALL DOOR THRESHOLDS SHALL BE ADA COMPLIANT

NOTE: THE BASIS OF DESIGN FOR THE OVERHEAD DOORS SHALL BE ROLLING STEEL DOOR MODEL 610 AS MANUFACTURED BY "OVERHEAD DOOR COMPANY", STANDARD GALVANIZED STEEL CURTAIN, WHITE, INSULATED, ELECTRIC OPERATION WITH CYLINDER LOCKS. FRAME TO BE COLOR WHITE AS SELECTED BY OWNER FROM MANUFACTURER'S STANDARD COLORS. APPROVED EQUALS ARE ACCEPTABLE IF APPROVED BY OWNER.

ELEVATIONS

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

LEGEND

- | | |
|---|---|
| A PEMB METAL WALL PANELS - LIGHT GREY COLOR | K CEILING - 5/8" TYPE X PAINTED GYP BD, COORDINATE W/ OWNER ON 6" 18 GA CEILING JOISTS @ 16" OC. TYPICAL ALL SPACES EXCEPT MAIN STORAGE AREA BRACE TO STRUCTURE ABOVE AS REQUIRED |
| B STEEL PEMB FRAME | L CONCRETE FOUNDATION - REFER TO STRUCTURAL |
| C METAL ROOF PANELS | M 3-5/8" METAL STUDS (6" @ PLUMBING WALLS IF REQUIRED) @ 16" OC W/ 5/8" TYPE X PAINTED GYP BD METAL STUD GAUGE, BRACING, ETC SHALL BE PER SIGNED AND SEALED SHOP DRAWINGS FROM THE METAL STUD MANUFACTURER PROVIDE 3.5" BATT INSULATION ALL INTERIOR WALLS THAT ABUTT THE MAIN STORAGE AREA AND ALL MECHANICAL AND BATHROOMS. PROVIDE 2 HOUR WALL ASSEMBLY WHERE INDICATED ON PLAN |
| D ROOF FASCIA BY PEMB, WHITE | N CONCRETE FLOOR SLAB - REFER TO STRUCTURAL, PROVIDE VAPOR BARRIER |
| E PEMB Z-GIRTS | O 2 HOUR WALL ASSEMBLY |
| F WALL INSULATION W/ VAPOR RETARDER - IN COMPLIANCE W/ FBC ENERGY CODE - PROVIDE OWNER WITH A DEDUCT ALTERNATE TO DELETE THE WALL INSULATION IN THE EQUIPMENT STORAGE AREA ONLY - ONLY THE THREE EXTERIOR WALLS - NOT THE 2 HR WALL SEPARATION | P PROVIDE UL APPROVED FIRE CAULKING SYSTEM MATCHING FIRE RATING OF WALL @ STEEL BEAM PENETRATIONS |
| G GUTTER, DOWNSPOUT, & CONC. SPLASHBLOCK | Q LOUVERS - COORDINATE W/ MECHANICAL DRAWINGS |
| H WINDOW OR DOOR - WHITE TRIM | R PROVIDE UL APPROVED 2HR ASSEMBLY UL 1506 OR APPROVED EQUAL (2) LAYERS 5/8" TYPE ULIX GYP BD, LOOSELY LAID ON TOP OF MIN 6" D STEEL JOISTS @ 16" OC AND (3) LAYERS TYPE ULIX GYP BD ATTACHED TO THE BOTTOM OF THE STEEL CEILING JOISTS. |
| I ROOF INSULATION W/ VAPOR RETARDER - IN COMPLIANCE W/ FBC ENERGY CODE - | |
| J 8 FT H METAL PANELS BY PEMB IN STORAGE AREA | |

ROOM FINISH NOTES:

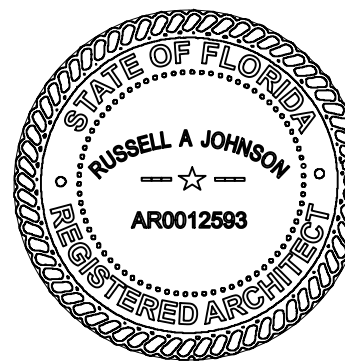
- ALL FLOOR FINISHES SHALL BE IN COMPLIANCE W/ FBC ACCESSIBILITY CHAPTER 3. EXPOSED / POLISHED CONCRETE SHALL HAVE SLIP-RESISTANT FINISHES IN COMPLIANCE W/ FBC ACCESSIBILITY AND THE CONCRETE POLISHING COUNCIL. ALL FLOORING SHALL MEET OR EXCEED THE FLOOR DYNAMIC COEFFICIENT OF FRICTION (DCOF) AS PER ACCESSIBILITY CODES FOR NON-SLIP / SLIP RESISTANT STANDARDS.
- ALL GYP BD SHALL BE 5/8" MIN THICKNESS. ALL EXPOSED GYP BD SHALL BE PAINTED. MOISTURE RESISTANT GYP BD SHALL BE "PROROC" BY CERTANEED OR APPROVED EQUAL FOR ALL MOISTURE RESISTANT CEILINGS, PROVIDE 2 X BLOCKING @ 12" OC E.W.
- INTERIOR WALLS AND CEILINGS IN THE RESTROOMS SHALL BE PAINTED AS FOLLOWS SHALL BE PAINTED WITH EPOXY PAINT AND PRIMER. INSTALL PER THE MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.
- CHANGES IN LEVEL: ALL FLOOR CHANGES IN LEVEL SHALL MEET FBC 2010 ACCESSIBILITY CODE. VERTICAL CHANGES IN LEVEL BETWEEN 1/4" HIGH MAX ARE PERMITTED TO BE VERTICAL. CHANGES IN LEVEL BETWEEN 1/4" HIGH AND 1/2" HIGH MAX SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1/2. CHANGES IN LEVEL GREATER THAN 1/2" HIGH SHALL BE RAMPED AND SHALL COMPLY W/ SECTIONS 403 & 406.

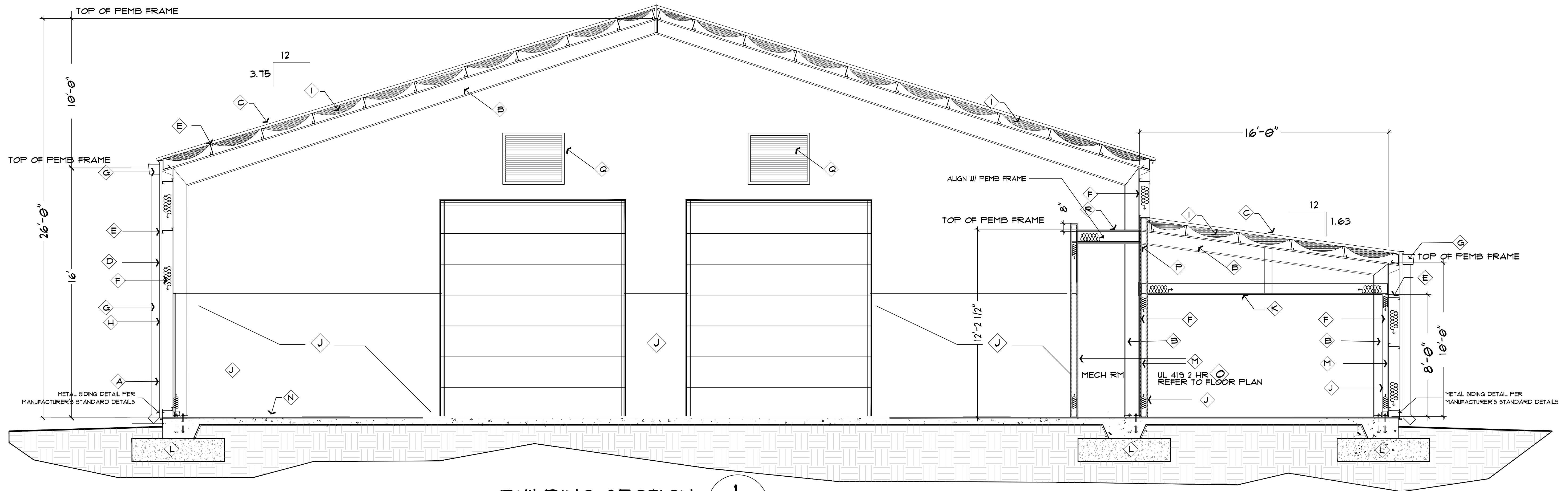
RUSSELL JOHNSON ARCHITECT PC
ARCHITECTURE
850 630 4483



DATE	DRAWN	REVIEWED
REVISIONS	NO.	DATE
PROJECT #		

EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FLORIDA





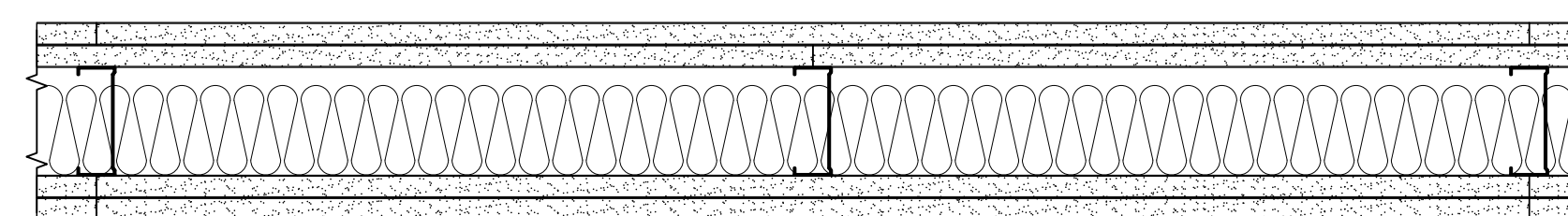
BUILDING SECTION
1
A104

LEGEND

- | | |
|---|---|
| A PEMB METAL WALL PANELS - LIGHT GREY COLOR | K CEILING - 5/8" TYPE X PAINTED GYP BD, COORDINATE W/ OWNER ON 6" 18 GA CEILING JOISTS @ 16" OC. TYPICAL ALL SPACES EXCEPT MAIN STORAGE AREA BRACE TO STRUCTURE ABOVE AS REQUIRED |
| B STEEL PEMB FRAME | L CONCRETE FOUNDATION - REFER TO STRUCTURAL |
| C METAL ROOF PANELS | M 3-5/8" METAL STUDS (6" @ PLUMBING WALLS IF REQUIRED) @ 16" OC W/ 5/8" TYPE X PAINTED GYP BD METAL STUD GAUGE, BRACING, ETC SHALL BE PER SIGNED AND SEALED SHOP DRAWINGS FROM THE METAL STUD MANUFACTURER PROVIDE 3.5" BATT INSULATION ALL INTERIOR WALLS THAT ABUTT THE MAIN STORAGE AREA AND ALL MECHANICAL AND BATHROOMS. PROVIDE 2 HOUR WALL ASSEMBLY WHERE INDICATED ON PLAN |
| D ROOF FASCIA BY PEMB, WHITE | N CONCRETE FLOOR SLAB - REFER TO STRUCTURAL, PROVIDE VAPOR BARRIER |
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| F WALL INSULATION W/ VAPOR RETARDER - IN COMPLIANCE W/ FBC ENERGY CODE - PROVIDE OWNER WITH A DEDUCT ALTERNATE TO DELETE THE WALL INSULATION IN THE EQUIPMENT STORAGE AREA ONLY - ONLY THE THREE EXTERIOR WALLS - NOT THE 2 HR WALL SEPARATION | P PROVIDE UL APPROVED FIRE CAULKING SYSTEM MATCHING FIRE RATING OF WALL @ STEEL BEAM PENETRATIONS |
| G GUTTER, DOWNSPOUT, & CONC. SPLASHBLOCK | Q LOUVERS - COORDINATE W/ MECHANICAL DRAWINGS |
| H WINDOW OR DOOR - WHITE TRIM | R PROVIDE UL APPROVED 2HR ASSEMBLY UL 1506 OR APPROVED EQUAL (2) LAYERS 5/8" TYPE ULX GYP BD, LOOSELY LAID ON TOP OF MIN 6" D STEEL JOISTS @ 16" OC AND (3) LAYERS TYPE ULX GYP BD ATTACHED TO THE BOTTOM OF THE STEEL CEILING JOISTS. |
| I ROOF INSULATION W/ VAPOR RETARDER - IN COMPLIANCE W/ FBC ENERGY CODE - | |
| J 8 FT H METAL PANELS BY PEMB IN STORAGE AREA | |

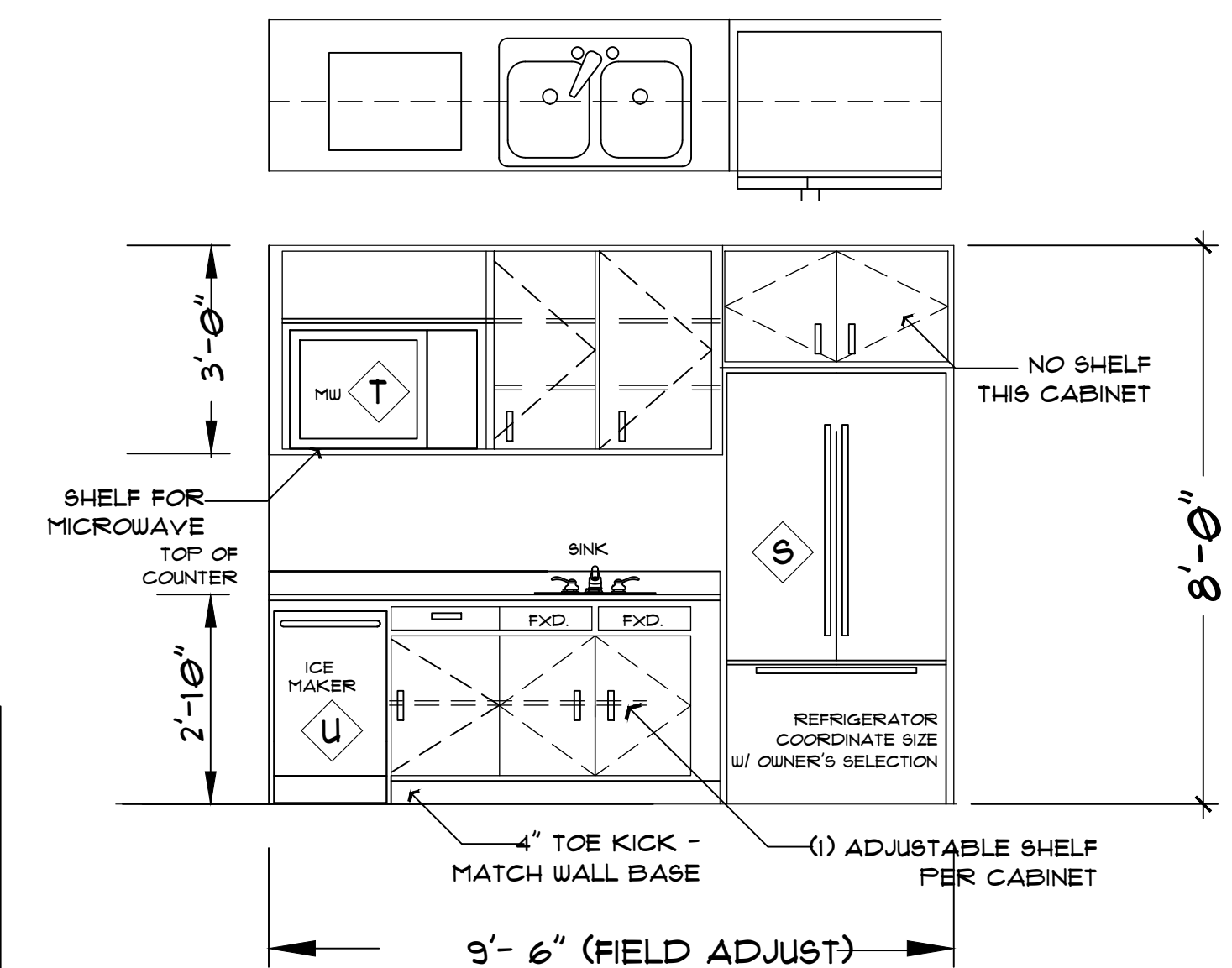
APPLIANCE SCHEDULE:
COORDINATE W/ OWNER FOR FINAL SELECTIONS.
APPROVED EQUALS ARE ACCEPTABLE

- | | |
|----------|---|
| S | GE 27.8 cu ft FRENCH DOOR REFRIGERATOR w/ Ice Maker
Stainless Steel
Model #PFE28KYNFS |
| T | GE Profile 2.2 cu. ft. Countertop Sensor MICROWAVE OVEN
Stainless Steel
Model # PES7227SLSS |
| U | EDGESTAR IB250SS 15" wide 20 lb Built-In ICE MAKER
Stainless Steel
Model # IB250SS |



DEMISING WALL - U419 OR APPROVED EQUAL

- 3 5/8" METAL STUDS - @ 16" OC - GAUGE AND BLOCKING PER MANUFACTURER'S REQUIREMENTS - 25 GA MIN.
- (2) LAYERS OF 5/8" SHEETROCK FIRECODE CORE PANELS EACH SIDE OF WALL - PROVIDE R19 INSULATION.
- PROVIDE UL APPROVED FIRE RATED ASSEMBLY AT ALL VOIDS & PENETRATIONS



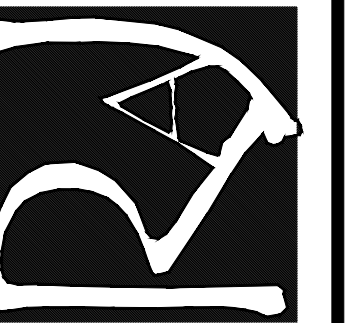
BREAK ROOM CABINET ELEVATIONS

SCALE: NTS

NOTE:

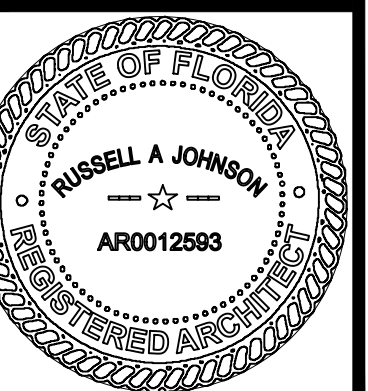
- COORDINATE CABINET DESIGN WITH OWNER - SUBMIT SHOP DRAWINGS FOR OWNER APPROVALS PRIOR TO PURCHASE / CONSTRUCTION OF CABINETS.
- CABINETS TO BE PLASTIC LAMINATE OVER 3/4" PLYWOOD.
- HARDWARE TO BE STAINLESS STEEL, COMMERCIAL GRADE

RUSSELL JOHNSON ARCHITECT PL
ARCHITECTURE
850 630 4483
AR 00012593
RAJARCH@MSN.COM



DATE	
DRAWN	REVIEWED
REVISIONS	
NO.	DATE
PROJECT #	

EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FLORIDA



A - 104

BUILDING SECTION
NTS

NOTE: Specified products listed are for design intent/quality control, approved equals are accepted as approved by owner. Submit complete shop drawings and specs for owner review and approval.

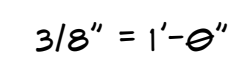
GB; Bobrick B-6806.99 series peened satin stainless steel finished grab bars for accessible toilet
size 42" L side wall, 36" L back wall

PTC; Bobrick B-262 classic series satin stainless steel finished surface mounted paper towel cabinet for folded paper.

TPH; Bobrick B-6867 classic series surface mounted satin stainless steel finish two roll toilet paper holder.

ADA COMPLIANT WATER CLOSET -

Bobrick B 2260 satin stainless steel floor standing waste receptacle



- A TOILET TISSUE DISPENSER
- B ADA SHWR GRAB BARS
- C ADA MIRROR
- D SOAP DISPENSER
- E PAPER TOWEL DISPENSER & WASTE RECEPTACLE
- F 36" ADA GRAB BAR
- G 42" ADA GRAB BAR
- H 18" VERTICAL ADA GRAB BAR
- I ADA LAVATORY
- J ADA WC
- K COAT HOOK, S.S.
- L ADA FOLDING SEAT

1. COORDINATE TOILET ACCESSORIES WITH OWNER. SUBMIT FULL SHOP DRAWINGS / CUT SHEETS FOR OWNER APPROVAL DURING BIDDING.
2. COORDINATE MOUNTING HEIGHTS OF ACCESSORIES WITH MANUFACTURER'S DATA FOR ADA COMPLIANCE.

1. 36" X 36" CLEAR ACCESSIBLE TRANSFER TYPE SHOWER. DIMENSIONS ARE ABSOLUTE CLEAR INSIDE INCLUDING FINISHES.
2. PROVIDE HAND HELD SHOWER WITH SLIDE BAR, ADJUSTABLE MECHANISE AND BE OPERABLE WITH ONE HAND WITHOUT TIGHT GRASPING OR TWISTING OF THE WRIST. MAX. 5 LB FORCE TO OPERATE.
3. GB BLKG TO BE DESIGNED FOR 250 LB LAT. AND DEAD LOADS.
4. HAND HELD SHOWER MUST HAVE A NON-POSITIVE SHUT OFF AND A HOSE THAT IS 59" LONG MIN.

NOT FOR
CONSTRUCTION

RELEASE RECORD	
REVIEW ONLY / N.F.C.	06/23/2022

	Y NO. 34399
--	-------------

PHONE: (850) 257-5316 EMAIL: INFO@ATLASENGINEERINGFL.COM REGISTRY NO. 34399

WALTON COUNTY, FLORIDA

STRUCTURAL GENERAL NOTES

I CERTIFY THAT THE PLANS AND SPECIFICATIONS FOR THIS CONSTRUCTION ARE IN COMPLIANCE WITH THE CRITERIA ESTABLISHED BY THE 2020 FLORIDA BUILDING CODE. THIS BUILDING DESIGN IS IN ACCORDANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE. THE WIND DESIGN IS IN ACCORDANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE.

ALSO, UPON COMPLETION OF THIS BUILDING AND/OR STRUCTURE, I WILL CERTIFY THAT THE BUILDING AND/OR STRUCTURE HAS COMPLIED WITH THIS SPECIFIC BUILDING DESIGN. THIS MUST BE ON FILE AT THE WALTON COUNTY BUILDING DEPARTMENT BEFORE RECEIVING AN INSPECTION FOR POWER.

I UNDERSTAND THAT ANY CHANGE IN DESIGN OR SPECIFICATION MUST BE SUBMITTED IN WRITING TO THE BUILDING DEPARTMENT.

S001

PLAN LEGEND

• DENOTES CIP PIER SUPPORT. SEE DETAIL D/S501 FOR REQ'S (TYP)

• DENOTES THICKENED SLAB @ WALL BEARING & SLAB STEP DOWN LOCATIONS.

• DENOTES FOOTER OUTLINE BELOW.

• DENOTES SLAB TURNDOWN OUTLINE.

NOTE: PRELIMINARY DESIGN ONLY. SUBJECT TO CHANGE UPON RELEASE OF FINAL BUILDING REACTIONS & COLUMN PLACEMENT. PEMB TO BE DESIGNED TO RESIST 140 MPH WIND SPEED (MIN.)

TYP. C.I.P. PIER & FOOTING CALLOUT

PED-72

A

PEDESTAL FOOTING SIZE. SEE SCH. FOR REQ'S.

PED-72

A

PIER SUPPORT TYPE. SEE DETAIL D/S501. FOR REQ'S.

PEDESTAL FOOTING SCHEDULE				
DESIGNATION	TYPE	DIMENSIONS	LONGITUDINAL REINF. (T&B)	TRANSVERSE REINF. (T&B)
PED-72	PEDESTAL FTC.	18" D x 72" SQR.	(8) #5 BARS EQ. SPACED	(8) #5 BARS EQ. SPACED

CONTINUOUS FOOTING SCHEDULE				
DESIGNATION	TYPE	DIMENSIONS	CONTINUOUS REINF.	TRANSVERSE REINF.
TD-24	TURN DOWN	16" D x 24" W	(3) #5 BARS	#5 BARS x 18" @ 18" O.C.
TS-24	THICKENED SLAB	12" D x 24" W	(3) #5 BARS	#5 BARS x 18" @ 18" O.C.

FOOTING NOTES

1. TOPS OF ALL FOOTINGS (EXCEPT TURNDOWNS) MUST BE COVERED WITH A MINIMUM OF 12" OF FINISH GRADE MATERIAL. (U.N.O.)

2. BOTTOMS OF ALL FOOTINGS MUST BEAR ATOP UNDISTURBED SOIL OR ENGINEERED FILL COMPACTED TO 95% MAXIMUM MODIFIED PROCTOR. A MINIMUM OF 12" BELOW EXISTING GRADE UNLESS PROPER PROVISIONS HAVE BEEN MADE FOR THE USE OF ENGINEERED FILL BASED ON A SITE SPECIFIC GEOTECHNICAL EVALUATION (BY OTHERS).

3. ALL CONTINUOUS FOOTINGS & PEDESTALS MUST BE CENTERED ON THE WALL/PIER UNLESS SPECIFICALLY NOTED AS ECCENTRIC FOOTING.

4. VERTICAL DOWEL HOOKS SHOULD EXTEND 9" IN TO FTC'S, BELOW & RUNNING PERPENDICULAR TO FLEXURAL REINF.

5. NO "WET STICK" SETTING OF REINFORCING WILL BE APPROVED.

6. ALL VERTICAL REINFORCING MUST BE IN PLACE & TIED TO FOOTING REINF. PRIOR TO POUR.

7. COORDINATE ALL FOOTING LOCATIONS WITH CIVIL, PLUMBING, AND ELECTRICAL DRAWINGS. CONTRACTOR SHALL PROVIDE PIPE SLEEVES BELOW OR ABOVE CONTINUOUS WALL FOOTINGS.

8. SEE ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN. IF A CONFLICT EXISTS, THE ARCH. DIMENSIONS SHALL GOVERN. BOTH ENGINEER AND ARCHITECT OF RECORD SHALL BE NOTIFIED IN WRITING OF ALL CONFLICTS.

SCHEDULE OF INSPECTIONS TO BE CONDUCTED BY E.O.R.

1. FOUNDATION ELEMENTS:

- REVIEW OF GENERAL LAYOUT, ELEMENT SIZES, AND REINFORCING
- ALL VERT. DOWEL REINF. MUST BE IN PLACE & TIED

2. MASONRY:

- FOUNDATION STEM WALLS AND PIERS VERT. REINF. HORIZ. REINF. & TIES
- REINF. FOR CMU WALLS, PARTITIONS, SITE WALLS & RETAINING WALLS
- REINF. REVIEW FOR LINTELS, BOND BEAMS, WALL TOP-OUTS
- SPECIAL INSPECTION REQUIRED FOR ALL REINF. NOT CENTERED WITHIN CELLS.

3. CAST IN PLACE CONCRETE ELEMENTS:

- REINF. FOR WALLS & COLUMNS PRIOR TO CLOSING FORMWORK
- REINF. IN ALL C.I.P. BEAMS & STRUCTURAL SLABS

NOTES:

A \$300 FEE WILL BE ACCESSED PER INSPECTION.

CONTRACTOR IS RESPONSIBLE FOR ALL INSPECTION FEES.

CONTRACTOR TO PROVIDE E.O.R. 24 HR ADVANCED NOTICE (MIN) PRIOR TO INSPECTION.

NOT FOR
CONSTRUCTION

RELEASE RECORD	
REVIEW ONLY / N.F.C.	06/23/2022

DESIGNER:	RSL
REVIEWED BY:	CLH
PROJECT NO:	22-101-006
SHEET SCALE:	1/4"=1'-0" U.N.O.

ATLAS
ENGINEERING AND CONSULTING

455 HARRISON AVE. SUITE B
PANAMA CITY, FLORIDA 32401

PHONE: (850) 257-5316 EMAIL: INFO@ATLASENGINEERINGFL.COM REGISTRY NO. 34399

NEW PRE-ENGINEERED BUILDING FOUNDATION

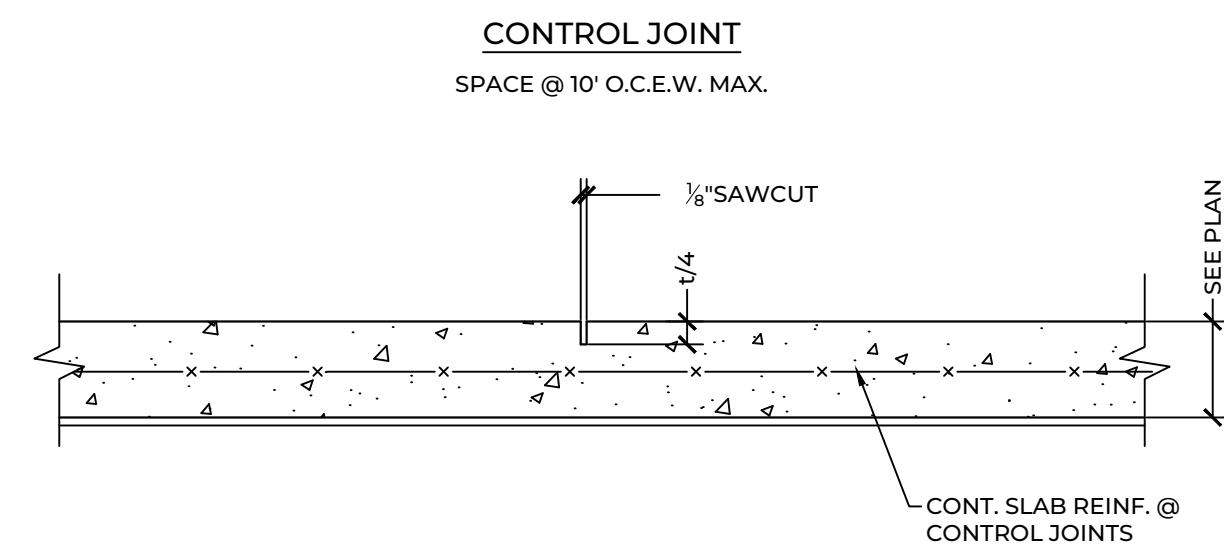
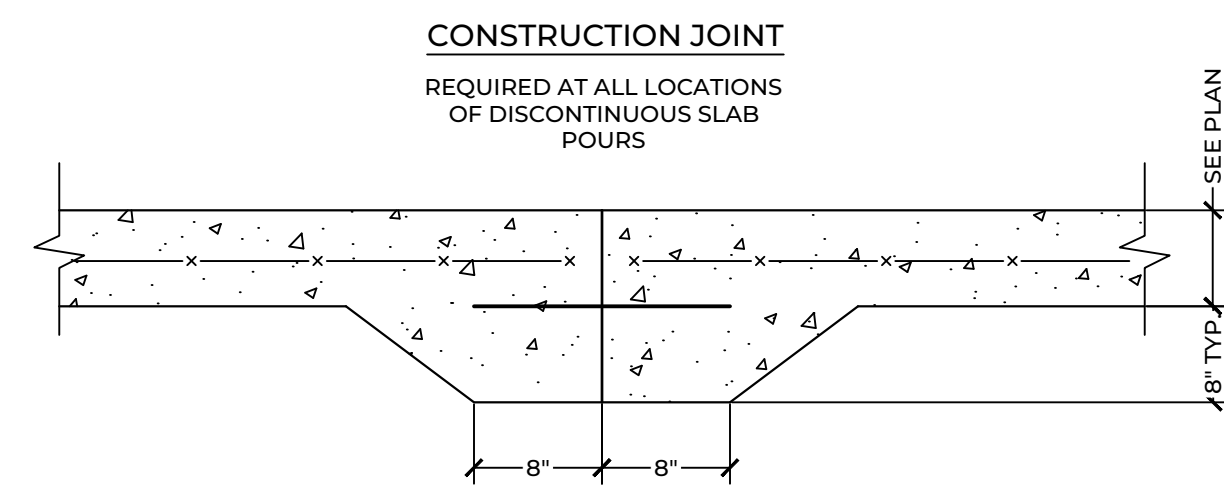
EAGLE SPRINGS
GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FLORIDA

SHEET TITLE

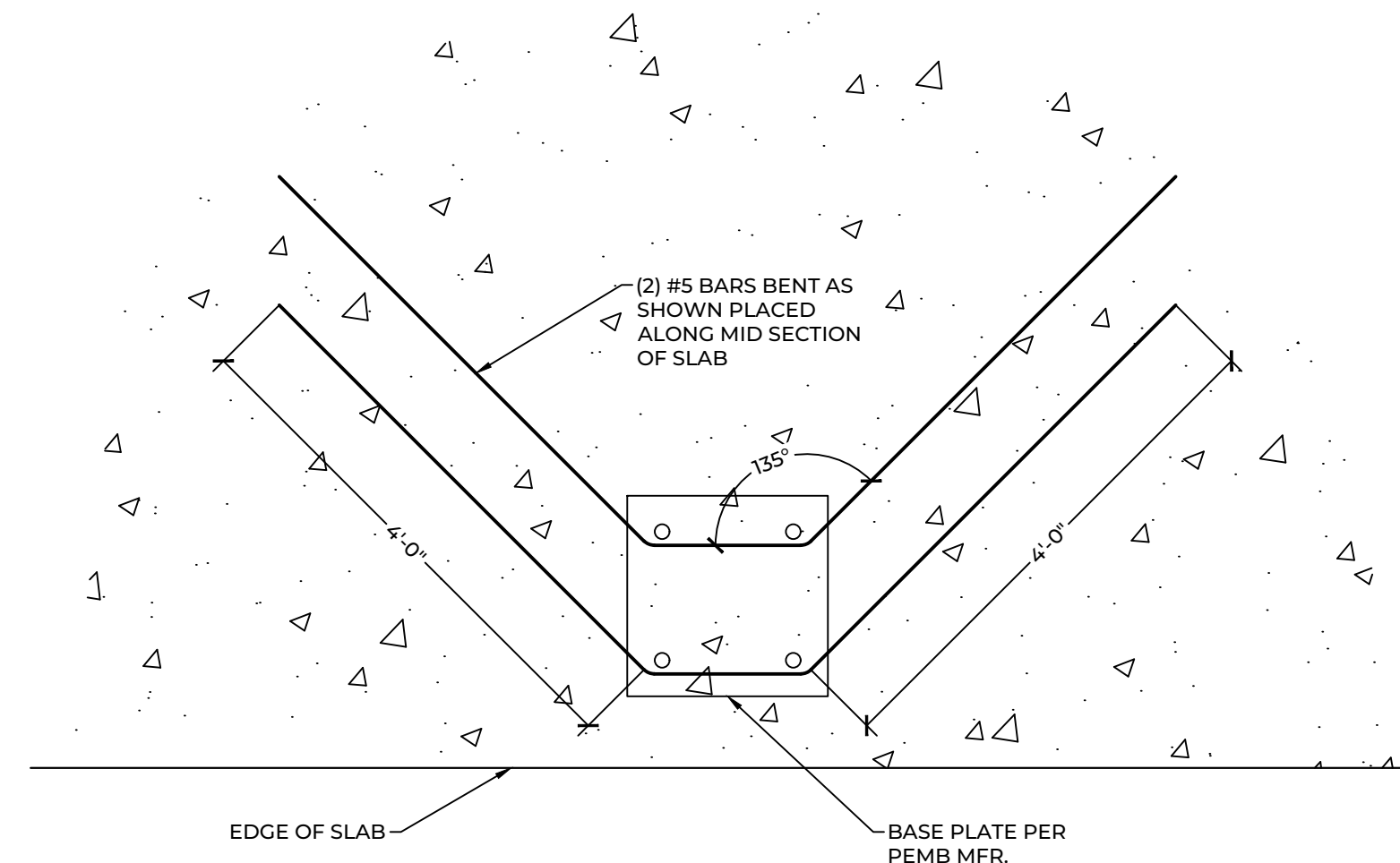
FOUNDATION
PLAN

SHEET NO.

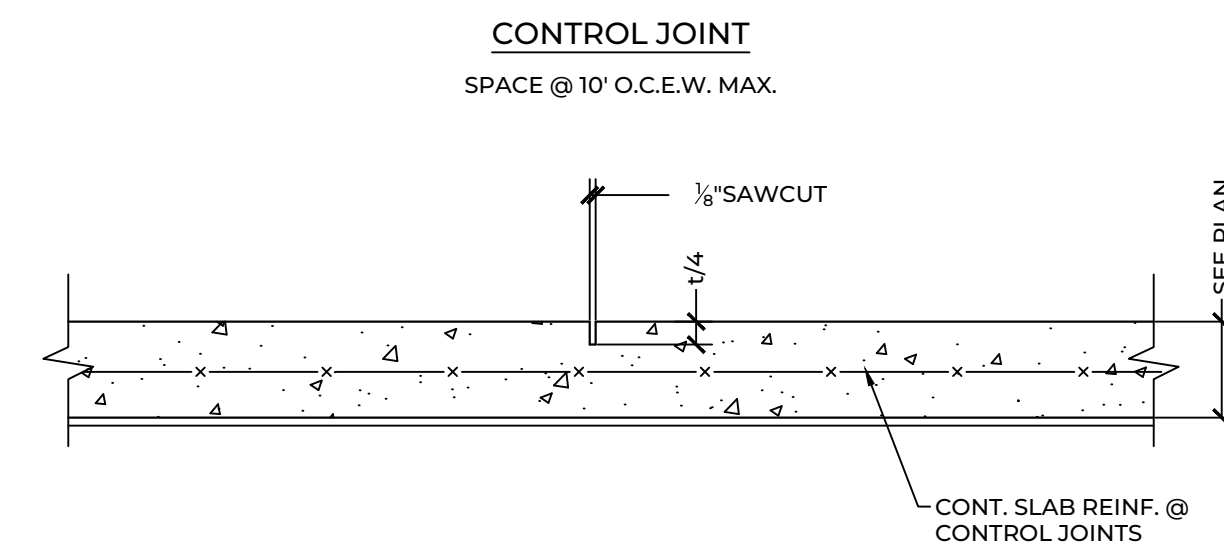
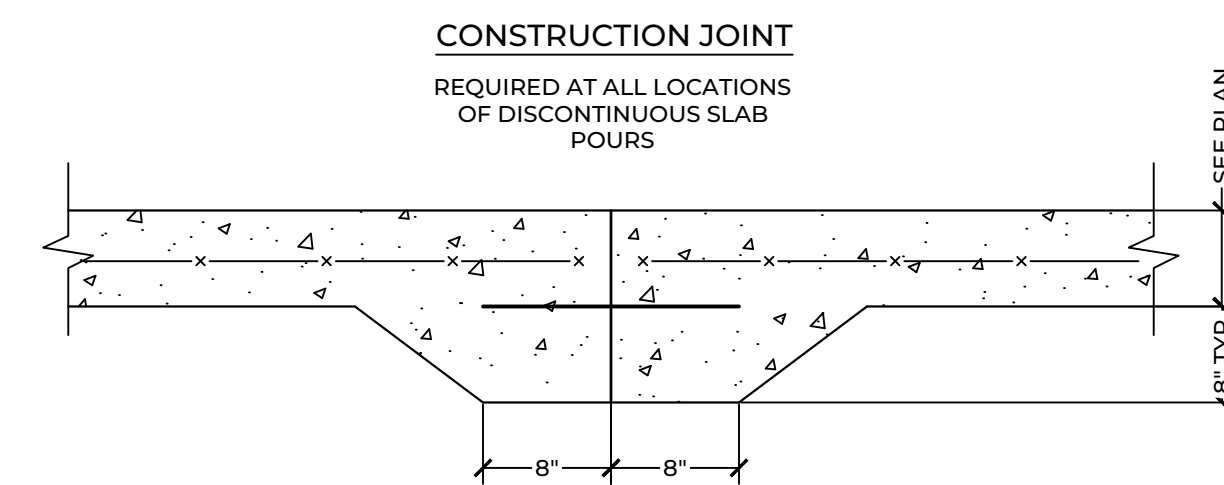
S101



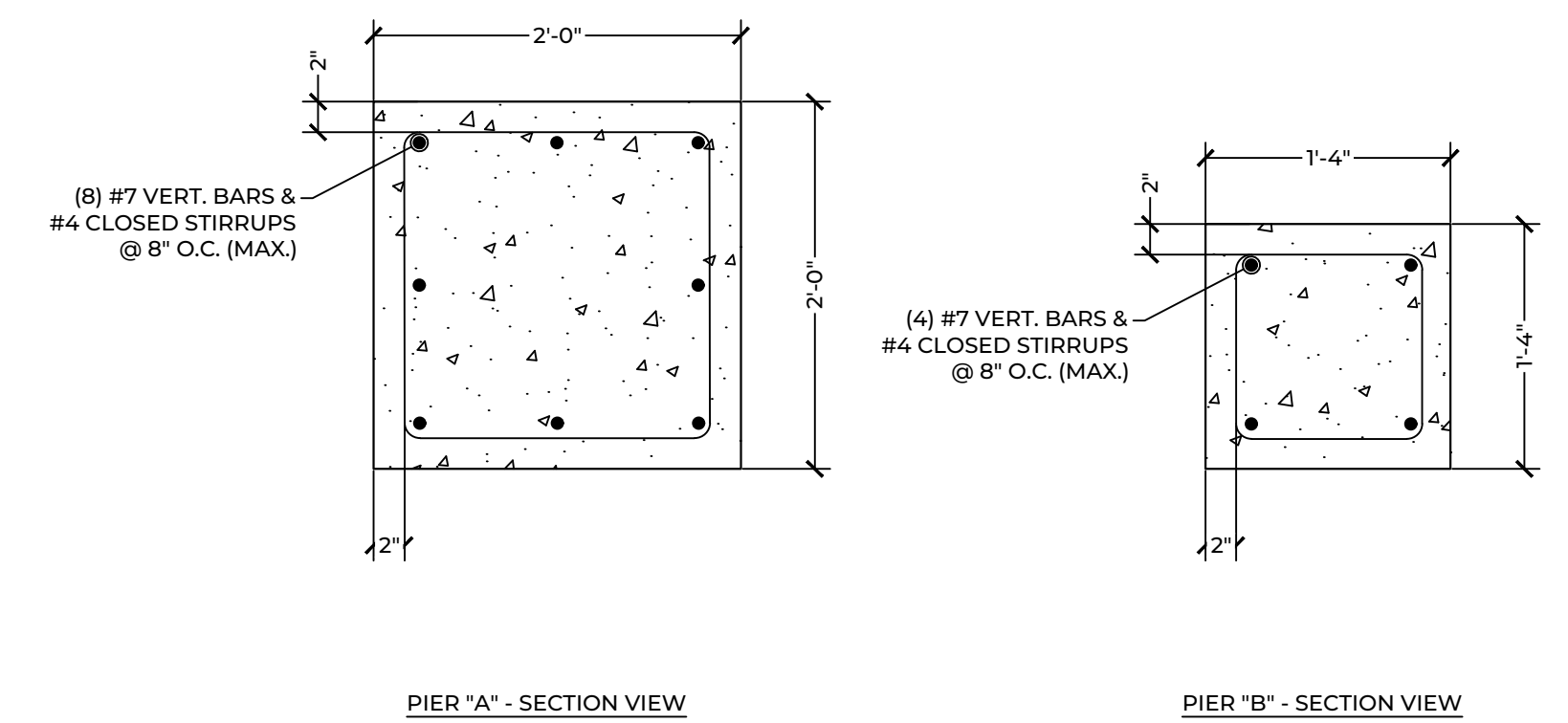
A TYP. SLAB FINISHING DETAIL
SCALE : 1" = 1'-0"



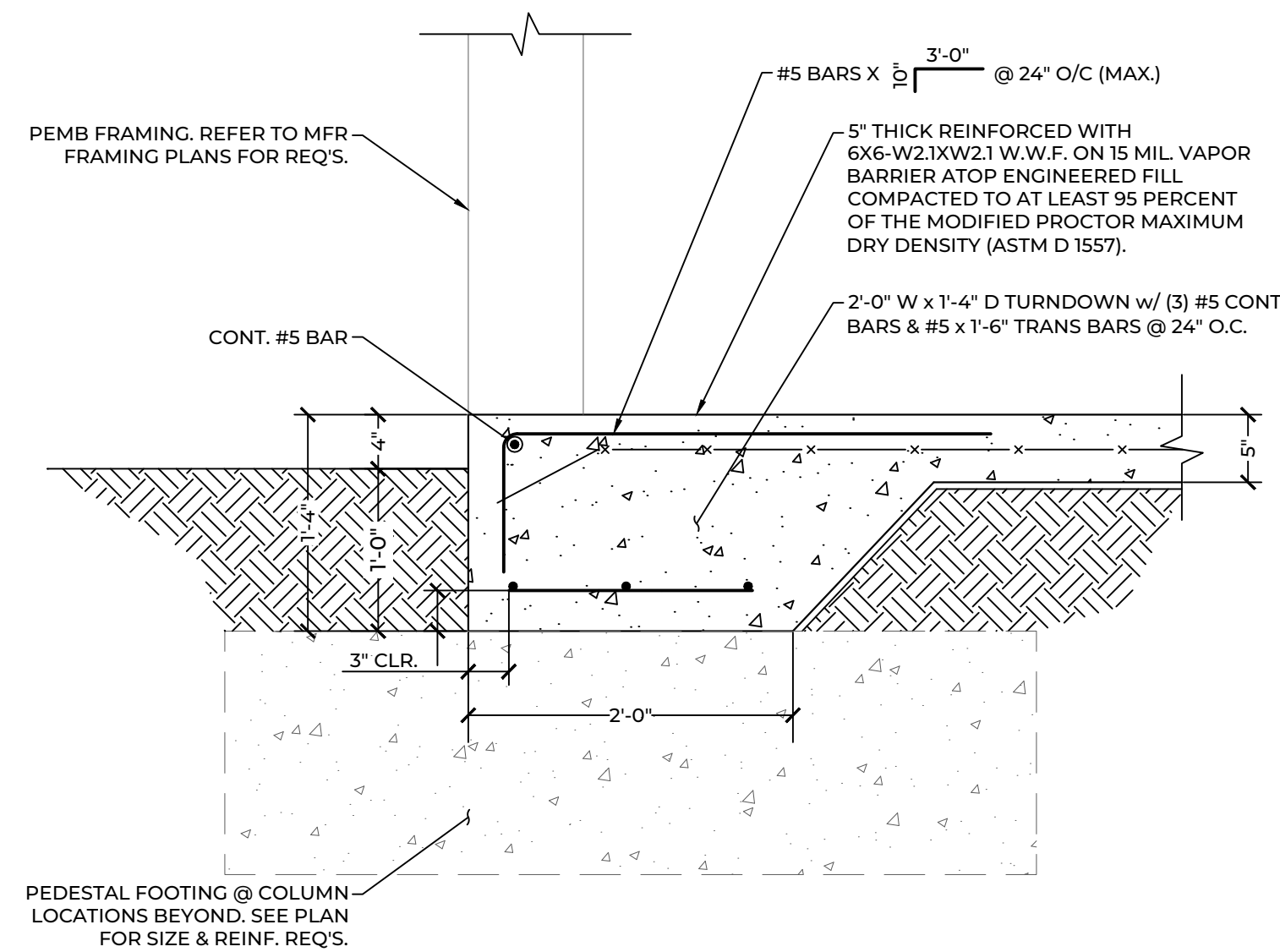
B TYP. HAIRPIN DETAIL
SCALE : 1" = 1'-0"



C TYP. SLAB FINISHING DETAIL
SCALE : 1" = 1'-0"



D TYP. CONCRETE PIER DETAIL
SCALE : 1" = 1'-0"



E **TYP. TURNDOWN DETAIL**
SCALE : 1" = 1'-0"

NEW PRE-ENGINEERED BUILDING FOUNDATION

EAGLE SPRINGS GOLF COURSE

MAINTENANCE BUILDING

WALTON COUNTY, FLORIDA

NOT FOR
CONSTRUCTION



455 HARRISON AVE, SUITE B
PANAMA CITY, FLORIDA 32401

PHONE: (850) 257-5316 EMAIL: INFO@ATLASENGINEERINGFL.COM REGISTRY NO. 34399

PROJECT INFORMATION	
DESIGNER:	RSL
REVIEWED BY:	CLH
PROJECT NO:	22-101-006
SHEET SCALE:	SEE DETAIL

RELEASE RECORD	
REVIEW ONLY / N.F.C.	06/23/2023

SHEET TITLE <div style="text-align: center; padding: 10px;"> STRUCTURAL CONSTRUCTION DETAIL S </div>	SHEET NO. <div style="text-align: center; padding: 10px;"> S501 </div>
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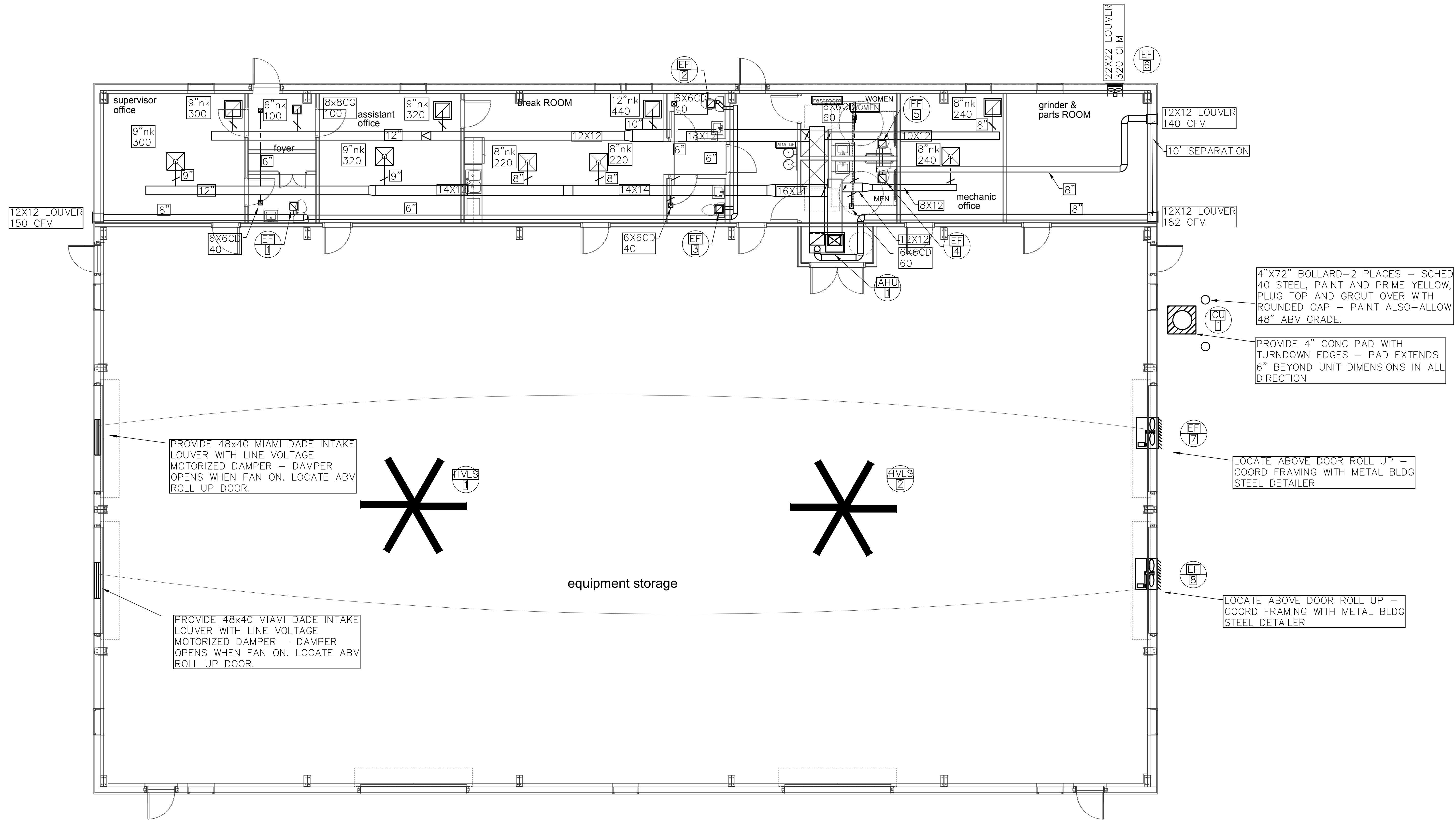
HEAT PUMP SPLIT SYSTEM SCHEDULE																																
AIR HANDLING UNIT															CONDENSING UNIT — AIR COOLED																	
SPECIFICATIONS										ELECTRICAL					COMPRESSOR												FAN		UNIT WIRING			
MARK	TYPE	COOLING CAP.	HEATING CAP.	CFM	OA	ESP	FAN #	FAN HP	AUX. HEAT KW	VOLT.	Ø	# CIRCUITS	MCA	MOCP	MODEL	MARK	SEER/EER	VOLT.	Ø	#	RLA (EA)	# HP (EA)	FLA (EA)	MCA	OVER CURRENT	MODEL						
AHU-2	CONVERTIBLE AIR HANDLER	47,100	46,500	1600	200	☐	1	3/4	10.8/ 14.4	208/ 230	1	2	51/60 22/25	58/60 25/25	TRANE 4TEM4A48	AC-1	14	208/ 230	1	1	19.6	1	17/9	1.1	28	45	TRANE 4TWR4048G1					
NOTES:	1) MIN. SEER SHALL BE ASHRAE 90.1 OR FBC COMPLIANT																															
ACCESSORIES: HARDWIRED REMOTE WALL MOUNTED THERMOSTATS, ANTI-SHORT CYCLE TIME, SEA COAST PROTECTION, 4" FILTER SECTION (2" FILTER), VERIFY REFRIGERANT REQUIREMENTS IF R-32 REQ'D OR SIMILAR — PROVIDE SUITABLE MODEL EQUIP, OSA DAMPER CLOSES WHEN UNIT OFF																																
EQUALS: YORK, CARRIER, RHEEM																																

EXHAUST FAN SCHEDULE												
MARK	SERVICE	CFM	SP	TYPE	OPENING	OUTLET	INTERLOCKED	ACCES.	MOTO R HP	VOLT	Ø	MODEL
EF-1	BATHROOM	50	0.1"	CEILING	13-½" x 10-¾"	6"	OCC SENSOR	1,2,3,4	FRAC	115	1	GREENHECK SP-A50
EF-2	BATHROOM	50	0.1"	CEILING	13-½" x 10-¾"	6"	OCC SENSOR	1,2,3,4	FRAC	115	1	GREENHECK SP-A50
EF-3	BATHROOM	50	0.1"	CEILING	13-½" x 10-¾"	6"	OCC SENSOR	1,2,3,4	FRAC	115	1	GREENHECK SP-A50
EF-4	BATHROOM	70	0.1"	CEILING	13-½" x 10-¾"	6"	OCC SENSOR	1,2,3,4	FRAC	115	1	GREENHECK SP-A70
EF-5	BATHROOM	70	0.1"	CEILING	13-½" x 10-¾"	6"	OCC SENSOR	1,2,3,4	FRAC	115	1	GREENHECK SP-A70
EF-6	GRINDER ROOM	500	0.3"	WALL PROPELLER	20.5X20.5	20.38	WALL SWITCH	1,2,4,5	4	115	1	GREENHECK AER-2--VG
EF-7,8	STORAGE AREA HEAT AND FUME	5000	0.65"	WALL PROPELLER	38.5X38.5	☐	WALL SWITCH	1,2,4,5,8	1	208	1	GREENHECK SBE-3H36-10
ACCESSORIES: 1) BACKDRAFT DAMPER 2) DISCONNECT 3) CEILING GRILLE 4) SPEED CONTROL 5)WALL SLEEVE 6) DAMPER AND 120V MOTOR												
EQUALS: ACME, PENN, COOK, CARNES NOTE: EF-7,8 FOR COMPLIANCE IF STORED VEHICLES EXCEED FUELING LIMITS — AFTER BID OWNER MAY PRECLUDE USE IF IN COMPLIANCE WITH FUELING REQUIREMENTS												

HIGH VOLUME LOW SPEED FAN SCHEDULE										
NO.	SERVICE	CFM	SP	HP	VOLTAGE	ROOM SERVED	TYPE	INTERLOCKED	ACCESS.	GREENHECK FAN MODEL
HVLS-1.2	AREA VENT	29,000	—	1/4	115V	WORK BAYS	CEILING PROPELLER	DDC, VFD SPEED CTRL	1,2,3	BASE 6-12'
ACCESSORIES: 1)DISCONNECT 2)INTERNAL OVERLOAD PROTECTION 3) VFD WITH CONTROLLER 4) HANG KIT										
EQUALS: BIG ASS										

HVAC GENERAL NOTES	
1. REFRIGERANT LINES FROM OUTDOOR CONDENSING UNITS SHALL BE EXTENDED FROM UNIT THRU WALL TO INDOOR UNITS. REFRIGERANT LINES SHALL BE SIZED AS PER MANUFACTURER'S RECOMMENDATIONS.	
2. RECT. DUCT DIMENSIONS ARE METAL-TO-METAL SIZES AND INCLUDE AN ALLOWANCE FOR THE 1" DUCT LINER.	
3. CENTER GRILLES, DIFFUSERS, & REGISTERS IN LAY-IN CEILING TILES.	
4. ROUND DUCT DIMENSIONS ARE METAL-TO-METAL SIZES AND SHALL BE EXTERNALLY WRAPPED WITH 2" INSULATION.	
5. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL CONCRETE CONDENSING UNIT PADS.	
6. 24V DAMPER OPERATOR TO OPEN WHEN FAN OPERATES, CLOSE WHEN FAN STOPS.	

HVAC LEGEND	
	RECTANGULAR DUCT WITH 2" DUCT WRAP
	RECTANGULAR DUCT WITH 1" LINER
	ROUND DUCT WITH 2" DUCT WRAP
	ROUND DUCT WITH 2" DUCT WRAP
	FLEX DUCT
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN/EXHAUST DUCT UP
	RETURN/EXHAUST DUCT DOWN
	SQUARE ELBOW WITH TURNING VANES - RECT. DUCT
	ROUND ELBOW - 5 PIECE 90, 3 PIECE 45
	ROUND ELBOW (12" OR LESS) - 5 PIECE 90, 3 PIECE 45
	MANUAL VOLUME DAMPER
	MOTORIZED VOLUME DAMPER
	CEILING DIFFUSER (FLOW DIRECTION INDICATED)
	RETURN AIR GRILLE
	THERMOSTAT (CONTROLLER LOCATION)
	THERMOSTAT (BULB LOCATION)
	STATIC PRESSURE SENSOR
	EQUIPMENT TAG
	DIFFUSER/GRILLE TAG
	NOT IN CONTRACT (NO WORK)
	CUBIC FEET PER MINUTE
	CUBIC FEET PER MINUTE
	ROUND DUCT
	THERMOSTAT



1

HVAC PLAN

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

STEPHENS
MECHANICAL ENGINEERING LLC.

1925 TOMMY MUNRO, DR., STE B
BIRMINGHAM, AL 35211
228.207.3322 FAX 228.207.3348
LAWRENCE E. STEPHENS, P.E. 63259
FL AUTHORIZATION NO. 000030951

EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FORT WALTON, FLA
HVAC PLAN

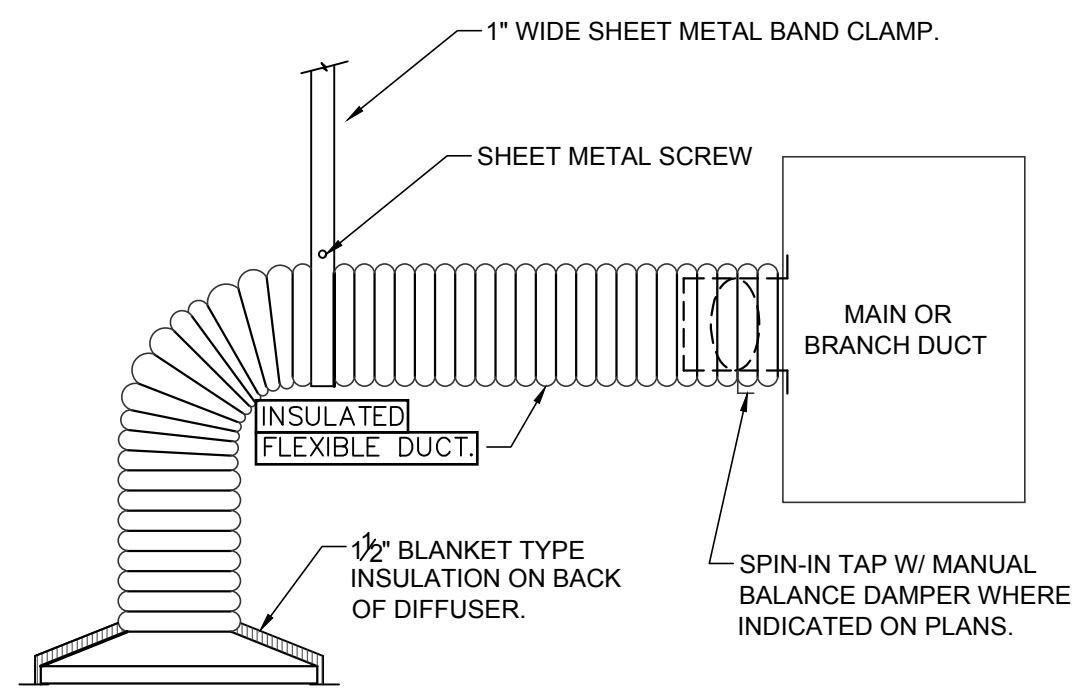
6/28/2023
LAWRENCE E. STEPHENS
LICENSED PROFESSIONAL ENGINEER
FLORIDA
NO. 63259
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JOB NO.	123024	DESIGNED BY:	LES	CHECKED BY:	LES
DATE:	6/5/2023	DRAWN BY:	LES		

SHEET NUMBER
M100
SHEET COUNT
1 OF 4

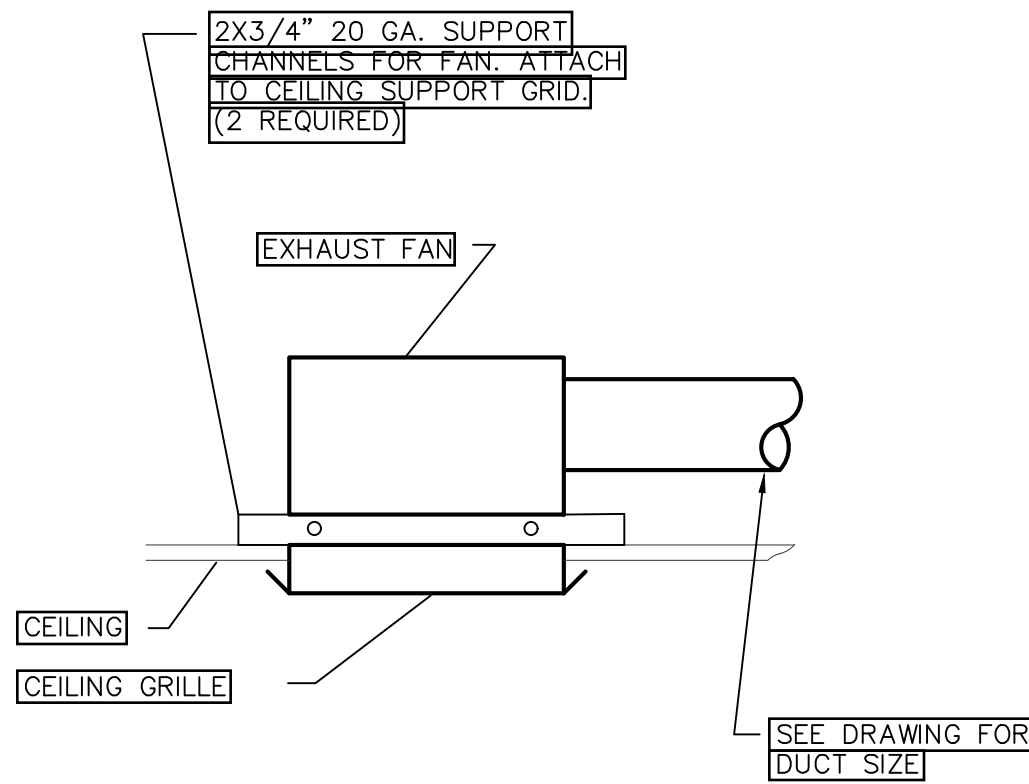
STEPHENS
MECHANICAL ENGINEERING LLC.

1925 TOMMY MUNRO, DR., SUITE B
BIRMINGHAM, AL 35211
228.207.3322 OFFICE
207.3346 FAX
LES@STEPHENSMECHENG.COM

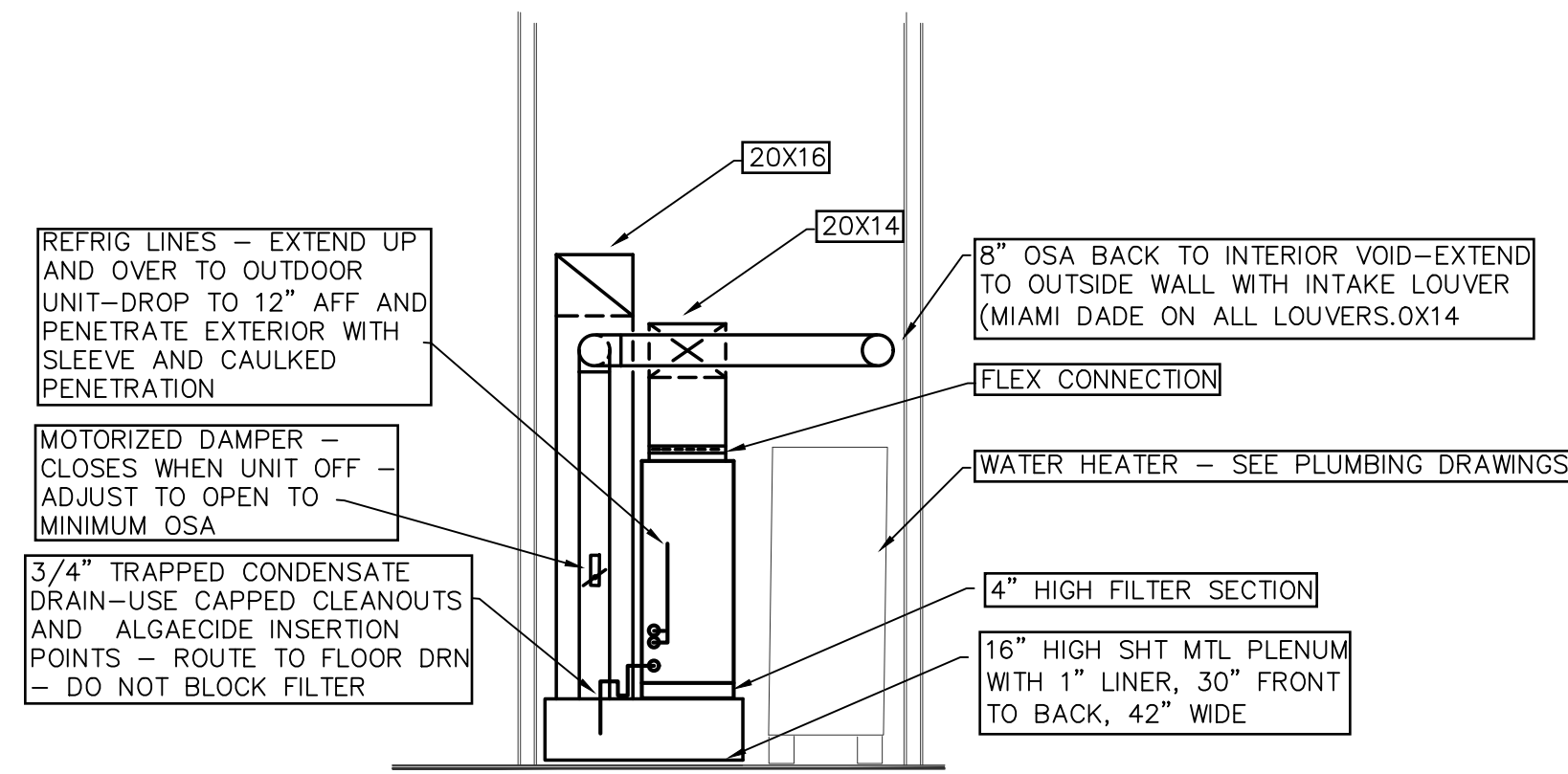


- FLEXIBLE DUCT NOTES**
1. FLEX DUCT MAX LENGTH 5'-0".
 2. SPACE HANGERS SO THAT DUCT SAG IS LESS THAN 1/2" PER FOOT.
 3. SECURE FLEX DUCT TO SPIN-IN FITTING AND DIFFUSER WITH 1/2" GALVANIZED ADJUSTABLE BAND CLAMP WITH CADMIUM PLATED BUCKLE AND SCREW. PLACE BAND CLAMP BETWEEN THE WIRES OF LAST SPIRAL OF THE FLEX DUCT.

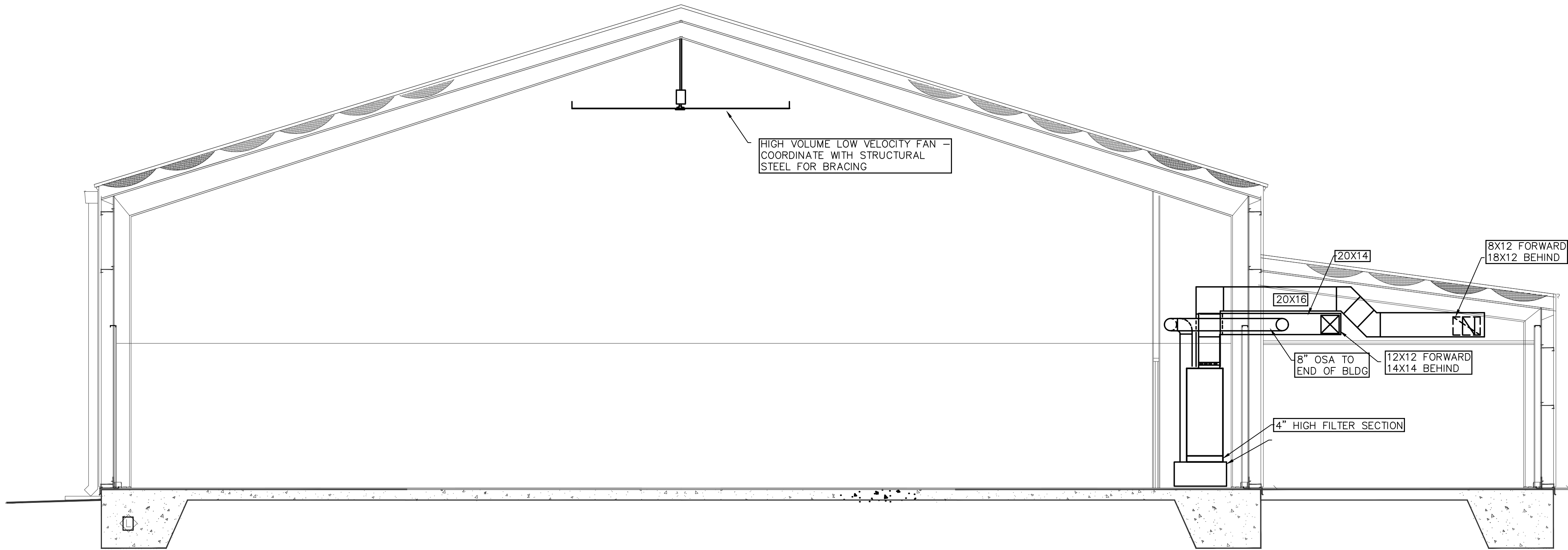
1 FLEXIBLE DUCT TAP SCHEMATIC ELEVATION VIEW
SCALE : N.T.S.



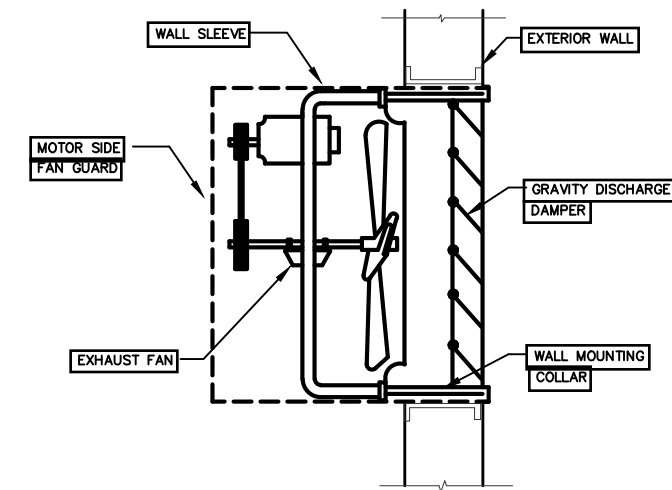
2 EXHAUST FAN DETAIL
SCALE : NONE



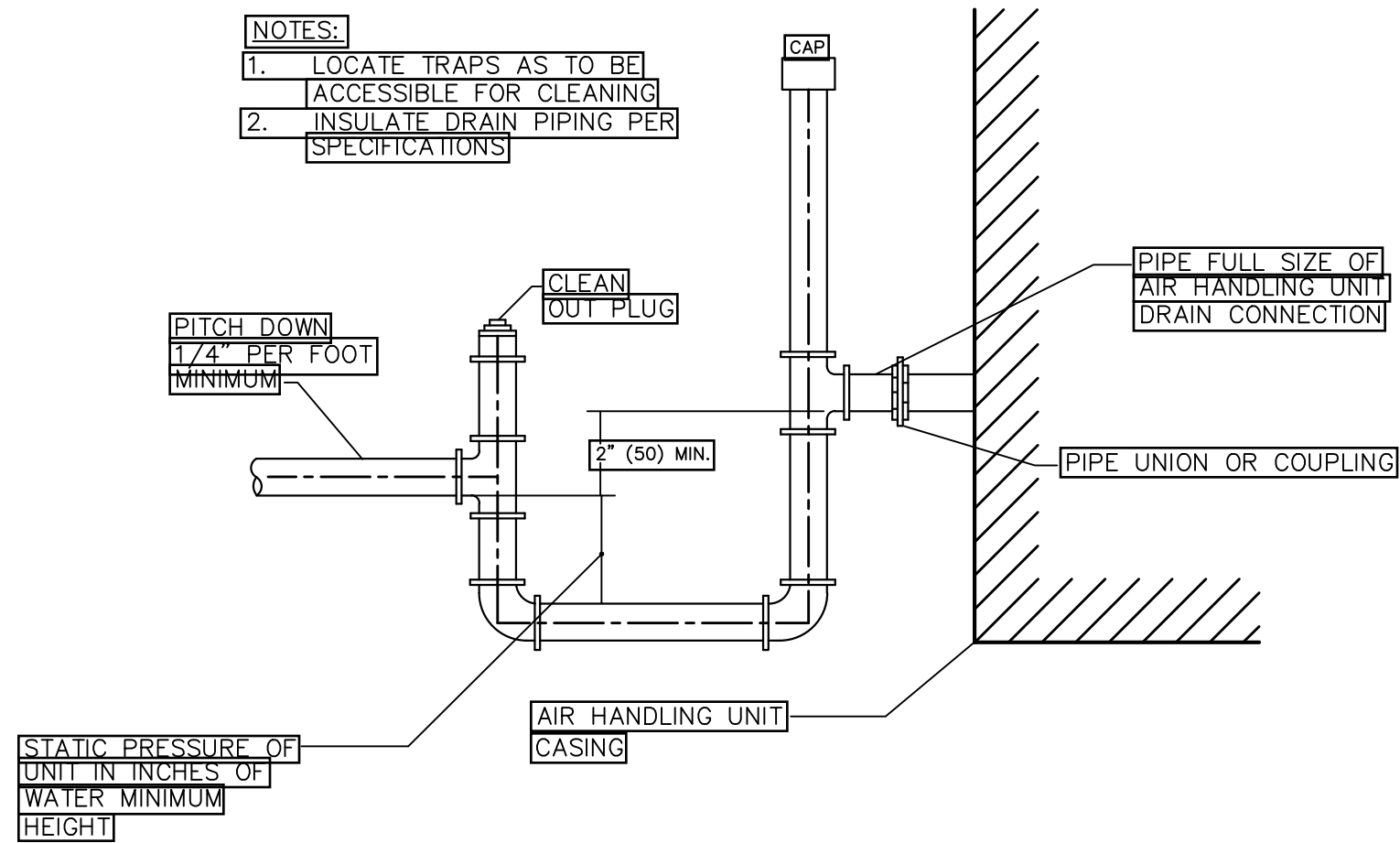
3 HP-1 INSTALLATION SCHEMATIC
SCALE : 1/4" = 1'-0"



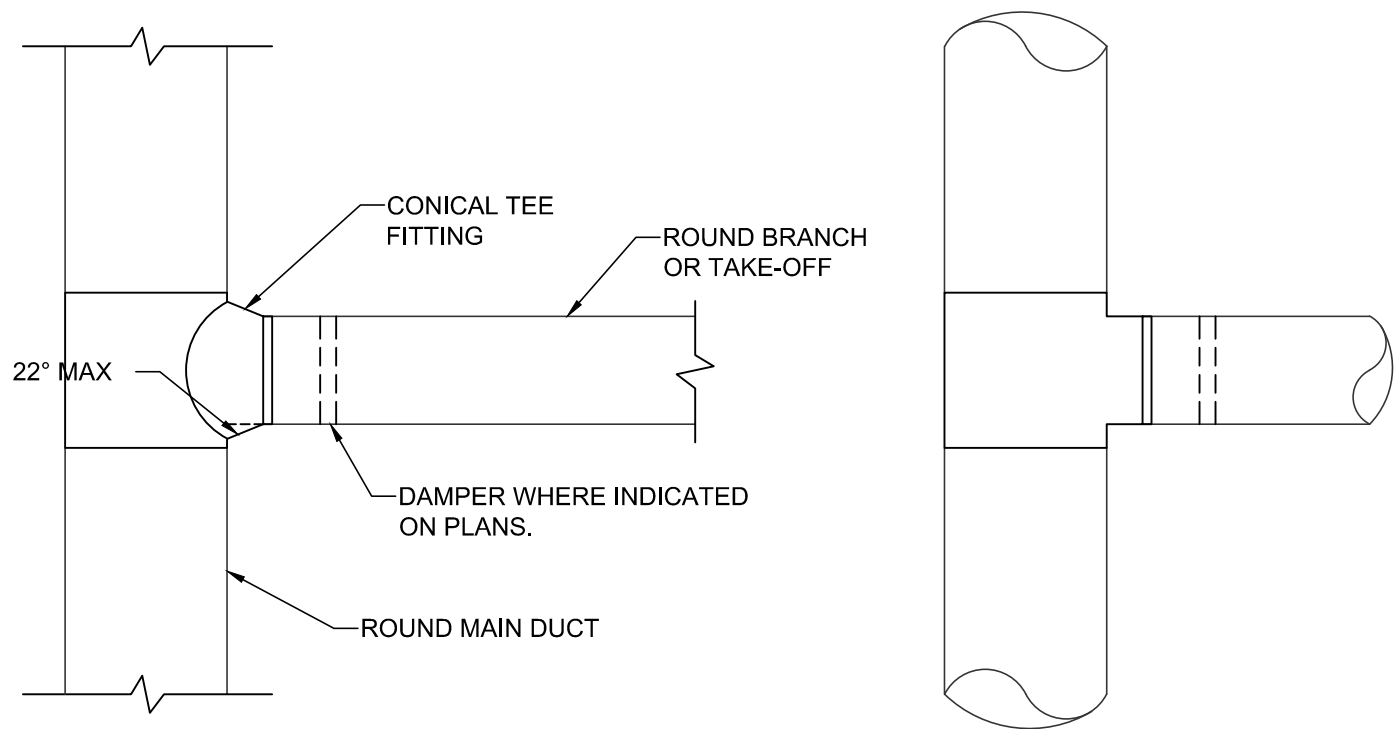
2 ELEVATION VIEW - HVAC
SCALE : 1/4"=1'-0"



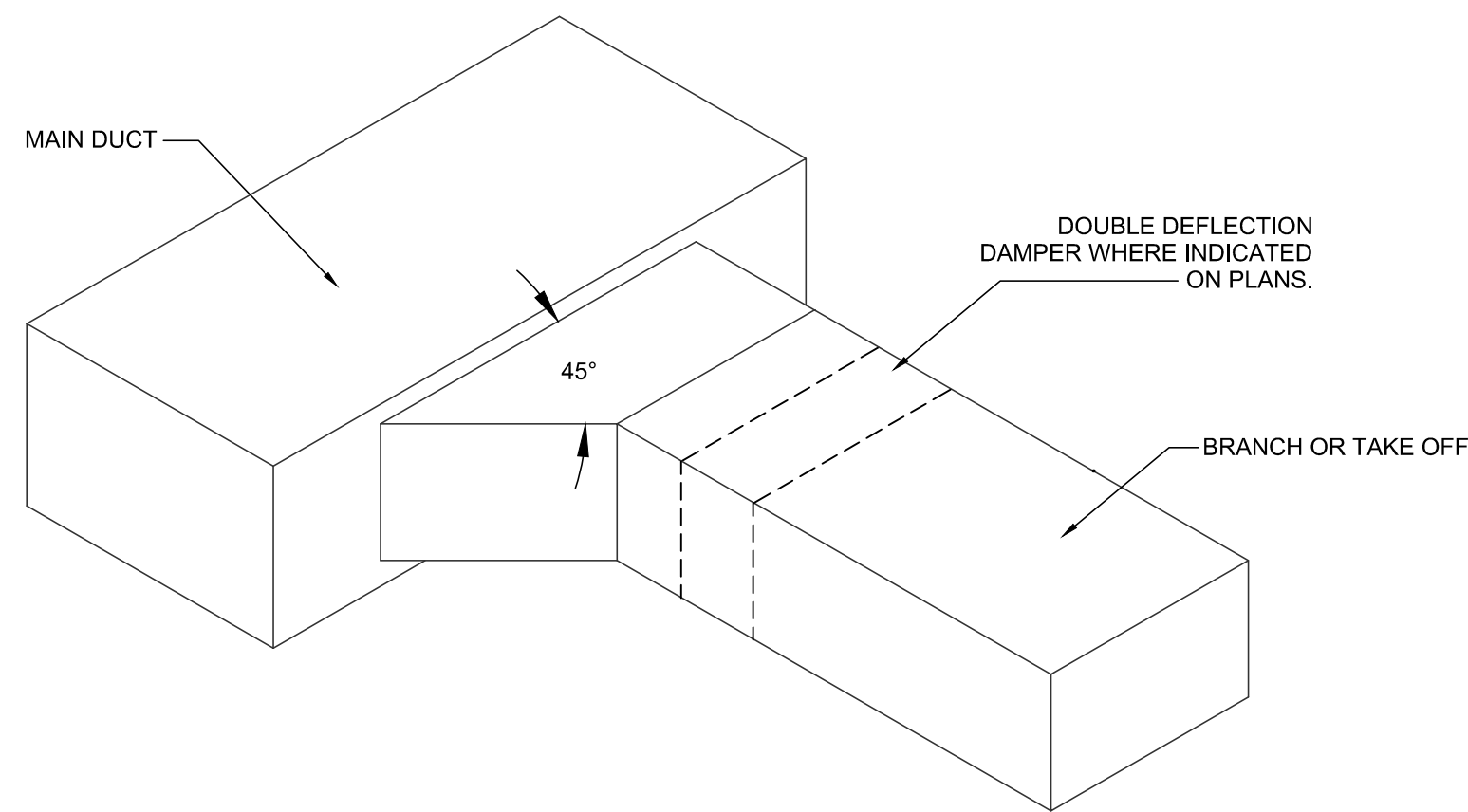
4 EF-7,8 INSTALLATION SCHEMATIC
SCALE : NTS



1 CONDENSATE TRAP SCHEMATIC
SCALE : N.T.S.

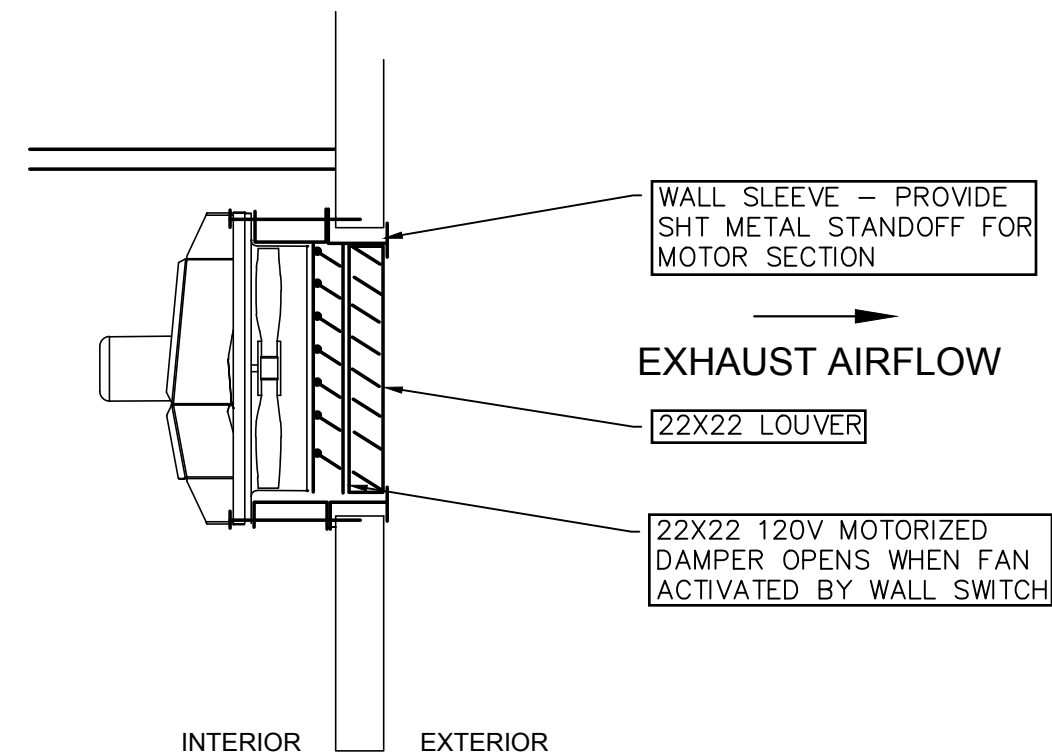
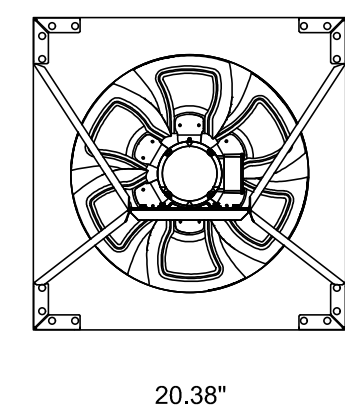


2 ROUND DUCT TAP SCHEMATIC - PLAN VIEW
SCALE : N.T.S.



3 RECTANGULAR DUCT TAP SCHEMATIC - ISOMETRIC VIEW
SCALE : N.T.S.

DRAWING VIEWED FROM INTERIOR



WALL OPENING 20.53 SQ.
MOTOR IS ACCESSIBLE FROM INTERIOR OF BUILDING

6 EF-6 INSTALLATION SCHEMATIC
SCALE : N.T.S.

Ventilation Sizing Summary for BLOCK LOAD

1. Summary

Ventilation Sizing Method ASHRAE Std 62.1-2013
Design Condition Heating operation
Occupant Diversity (D) 1.000
Uncorrected Outdoor Air Intake (Vou) 182 CFM
System Ventilation Efficiency (Ev) 0.831
Outdoor Air Intake (Vot) 218 CFM

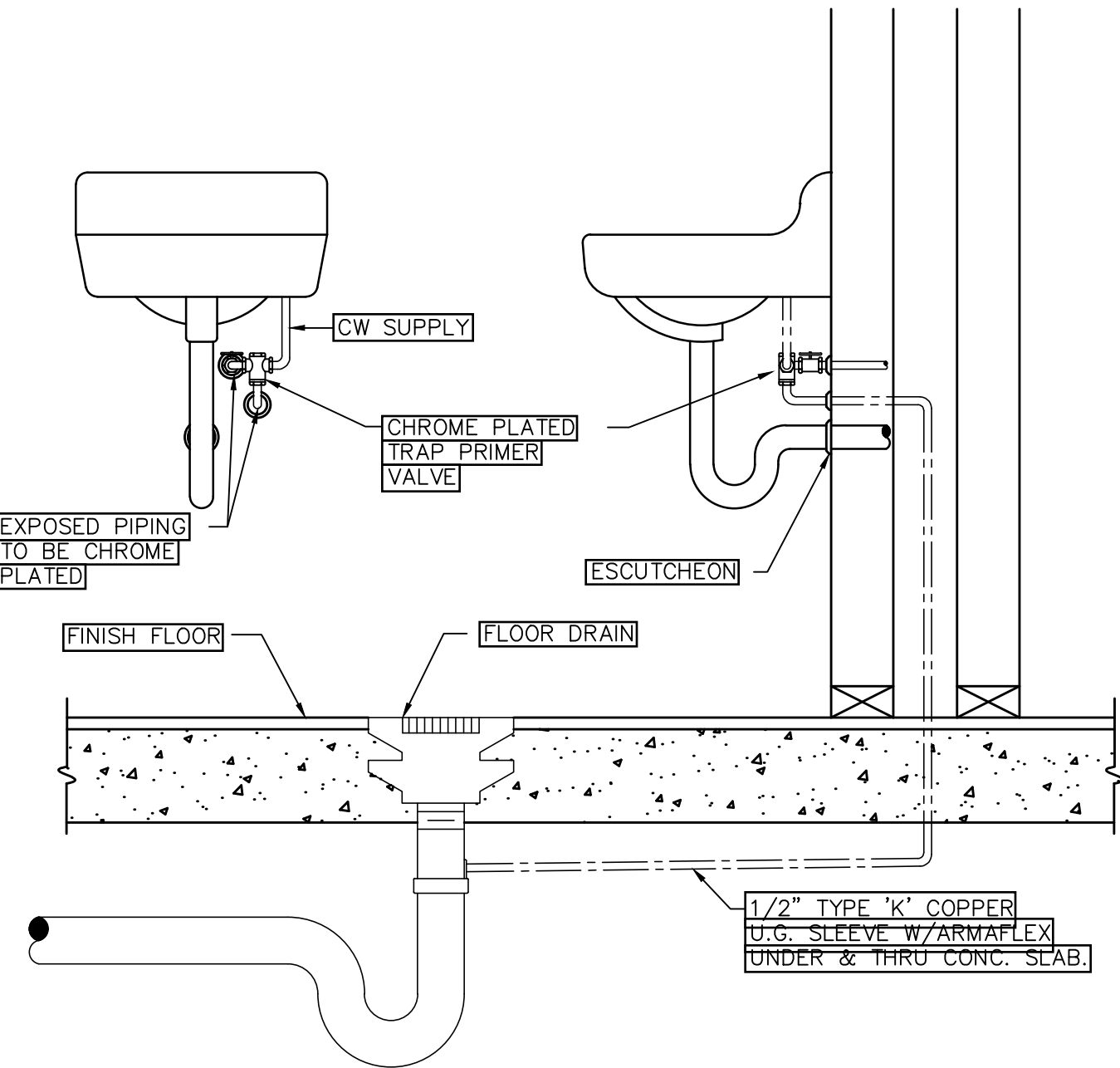
2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Supply Air (CFM) (Vpz)	Space Floor Area (ft²) (Az)	Area Outdoor Air Rate (CFM/ft²) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 1										
SUPERVISOR	1	316	118.0	0.06	1.0	5.00	0.8	15	12	1.043
ASSISTANT	1	315	239.0	0.06	1.0	5.00	0.8	24	19	1.014
BREAK ROOM	1	467	336.0	0.12	5.0	5.00	0.8	82	65	0.916
FOYER	1	39	52.0	0.06	1.0	5.00	0.8	10	8	0.831
GRINDER & PARTS	1	355	236.0	0.06	2.0	5.00	0.8	30	24	1.005
MECHANIC OFFICE	1	289	175.0	0.06	2.0	5.00	0.8	26	21	1.002
MENS	1	85	78.0	0.06	1.0	5.00	0.8	12	10	0.947
TOILET LOBBY	1	92	117.0	0.06	1.0	5.00	0.8	15	12	0.928
WOMEN	1	50	88.0	0.06	1.0	5.00	0.8	13	10	0.834
Totals (incl. Space Multipliers)		2008							182	0.831

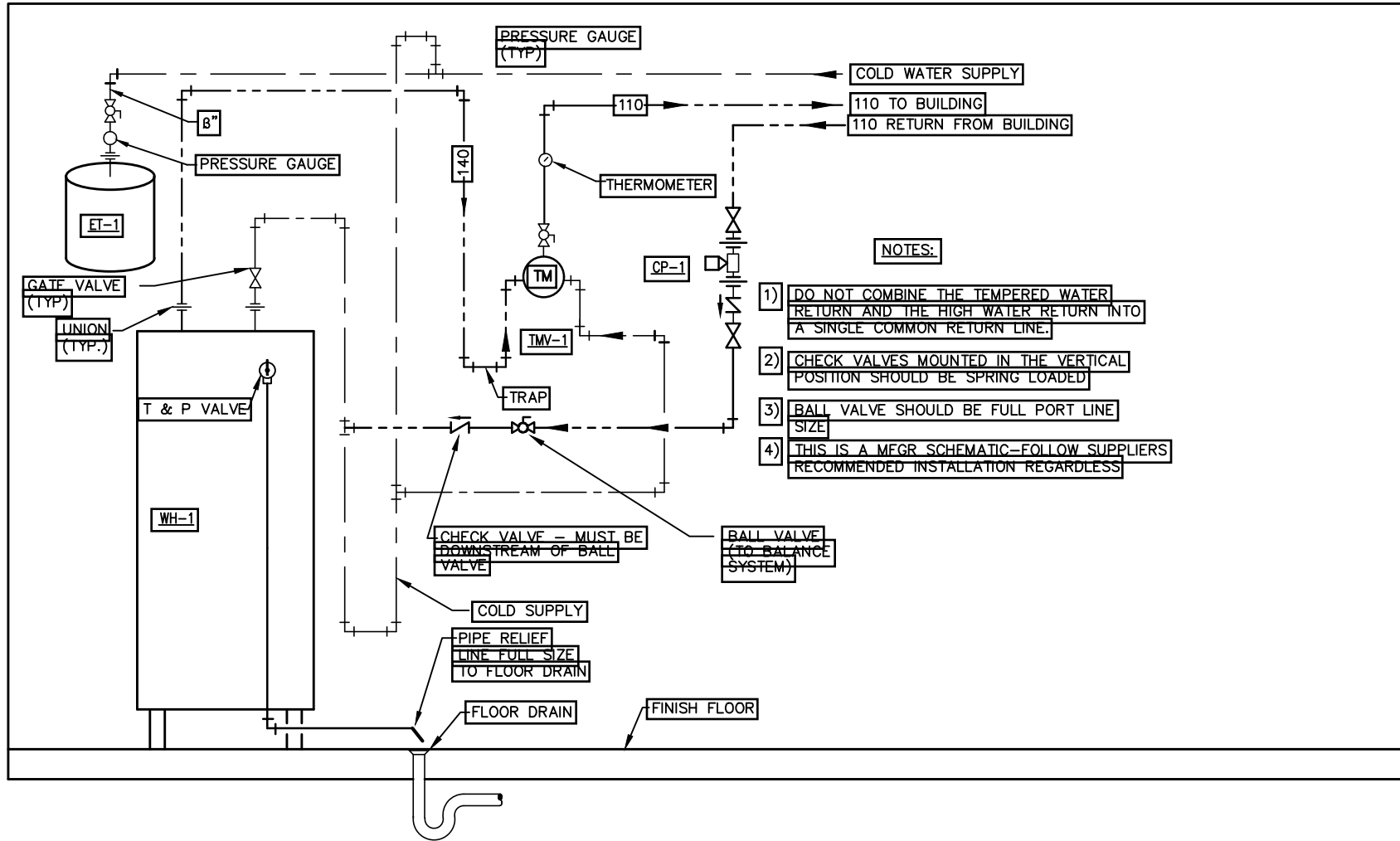
PLUMBING FIXTURE SCHEDULE									
FIXTURE	MARK	TRAP	WASTE	VENT	CW	HW	REMARKS		
WATER CLOSET	WC-1	⊞	4"	3"	1 1/2"	⊞	TANK TYPE FLOOR MOUNTED		
WATER CLOSET	WC-2	⊞	4"	3"	1 1/2"	⊞	TANK TYPE FLOOR MOUNTED – ADA COMPLIANT		
LAVATORY	L-1	1 1/4"	2"	1 1/2"	1 1/2"	1 1/2"	WALL HUNG		
LAVATORY	L-2	1 1/4"	2"	1 1/2"	1 1/2"	1 1/2"	WALL HUNG – ADA COMPLIANT		
KITCHEN SINK	KS-1	1 1/2"	2"	2"	2"	1 1/2"	STAINLESS STEEL, COUNTER MOUNT, DOUBLE COMPARTMENT		
DRINKING FOUNTAIN	EDF-1	1 1/4"	1 1/2"	1 1/2"	1 1/2"	⊞	WALL HUNG, DUAL HEIGHT FOR ADA, BOTTLE FILLER		
SHOWER	SH-2	2"	2"	2"	1 1/2"	1 1/2"	MIXING VALVE, ADA COMPLIANT		
WATER HEATER	WH-1	⊞	⊞	⊞	1 1/2"	1 1/2"	SEE WH SCHEDULE		
HOSE BIBB	HB-1	⊞	⊞	⊞	1 1/2"	1 1/2"	BOX MOUNTED, FREEZE PROOF, VACUUM BREAKER		
FLOOR DRAIN	FD-2	3"	3"	2"	⊞	⊞	TYPE A – STRAINER		
FLOOR DRAIN	FD-1	3"	3"	2"	1 1/2"	⊞	TYPE A – STRAINER, W/ TRAP PRIMER		
MOP SINK	MS-1	3"	3"	2"	1 1/2"	1 1/2"	3X3X12, CHECK VALVE FAUCET W/STOPS, PAIL HOOK, MOP HOOKS, S.S. SHIELD ON BACK WALL – MIN 24" HIGH WITH FOLDED EDGES.		
NOTES:									

WATER HEATER SCHEDULE										
MARK	LOCATION	MIN. STORAGE	MIN. RECOVERY	TEMP. SETTING	TEMP RISE	ELECTRICAL				REMARKS
		GAL	GPH	°F	°F	VOLT	PHASE	INPUT	ELEMENTS	
						V	Ø	KW	#	
WH-2	MECH CLOSET-MAIN BAY	50	40	140	60	208	3	4.5	2	
NOTES: USE SAFETY PAN BELOW HEATER ON FLOOR WITH DRAIN DIRECTED TO FLOOR DRAIN, DIRECT T&P TO FLOOR DRAIN, PROVIDE INLINE CIRCULATOR FOR RETURN – 6GPM @ 12FT, 120V, PROVIDE WITH TIMER TO STOP DURING UNOCCUPIED PERIODS										

WATER HAMMER ARRESTOR SCHEDULE		
SIZE	FIXTURE UNITS	PDI STANDARD
1/2"	1-11	A
3/4"	12-32	B
1"	33-60	C
1-1/2"	61-113	D
1-3/4"	114-154	E
2"	155-330	F



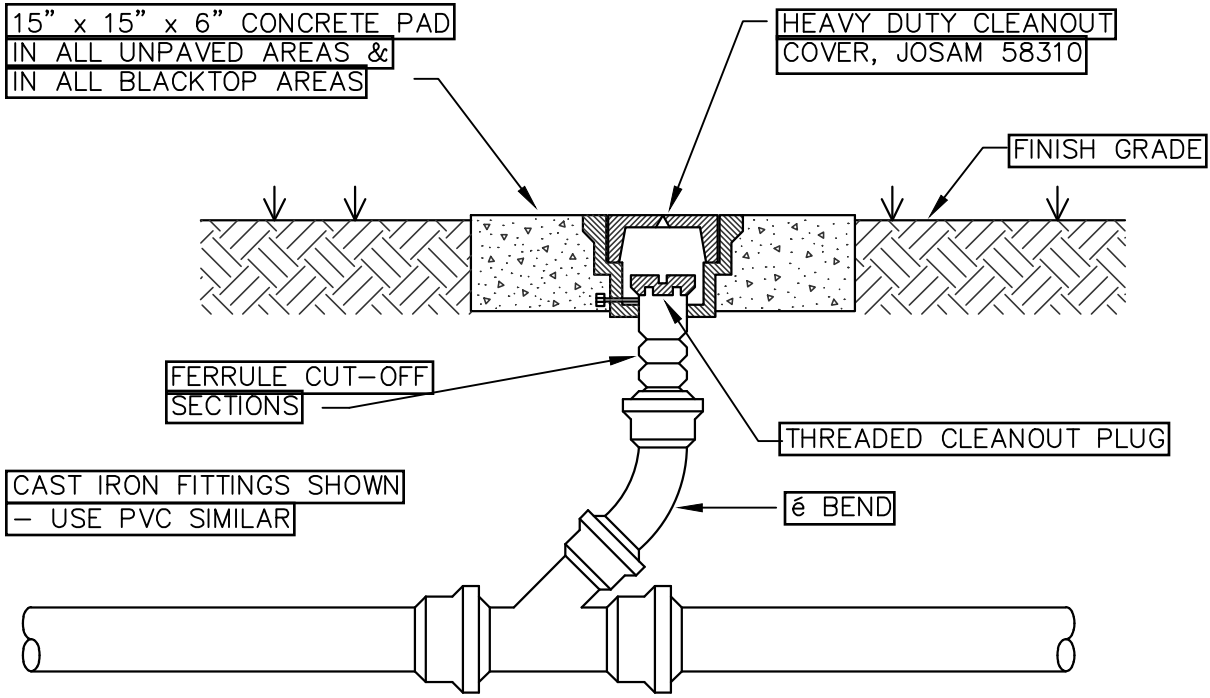
3 TRAP PRIMER INSTALLATION DETAIL
SCALE : NTS



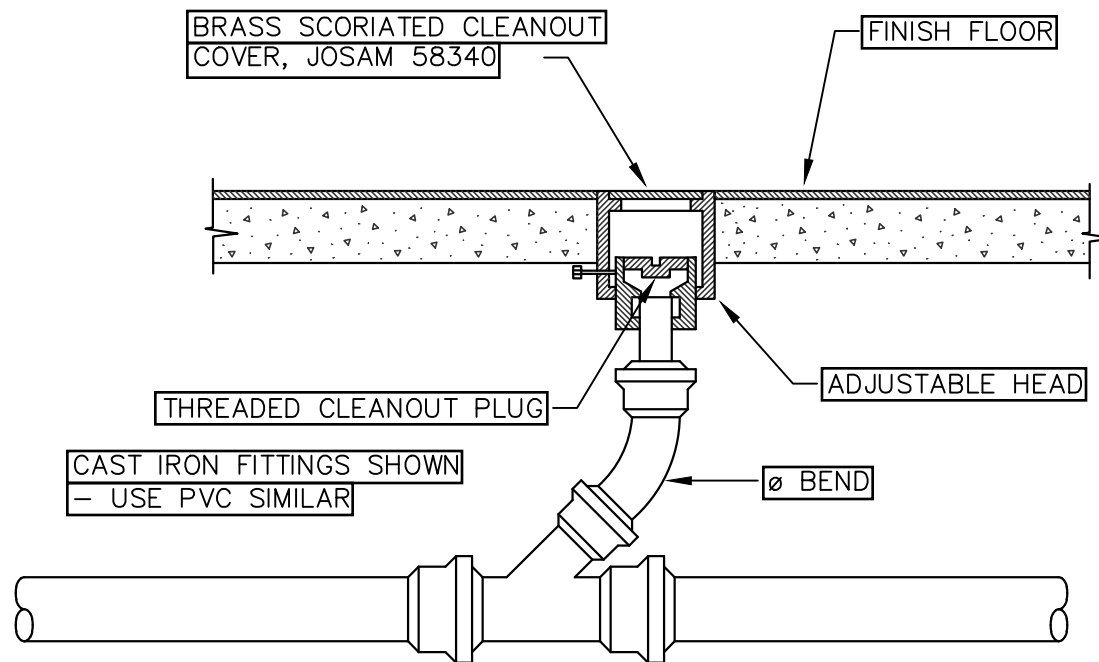
4 WATER HEATER DETAIL
SCALE : NTS

PLUMBING LEGEND

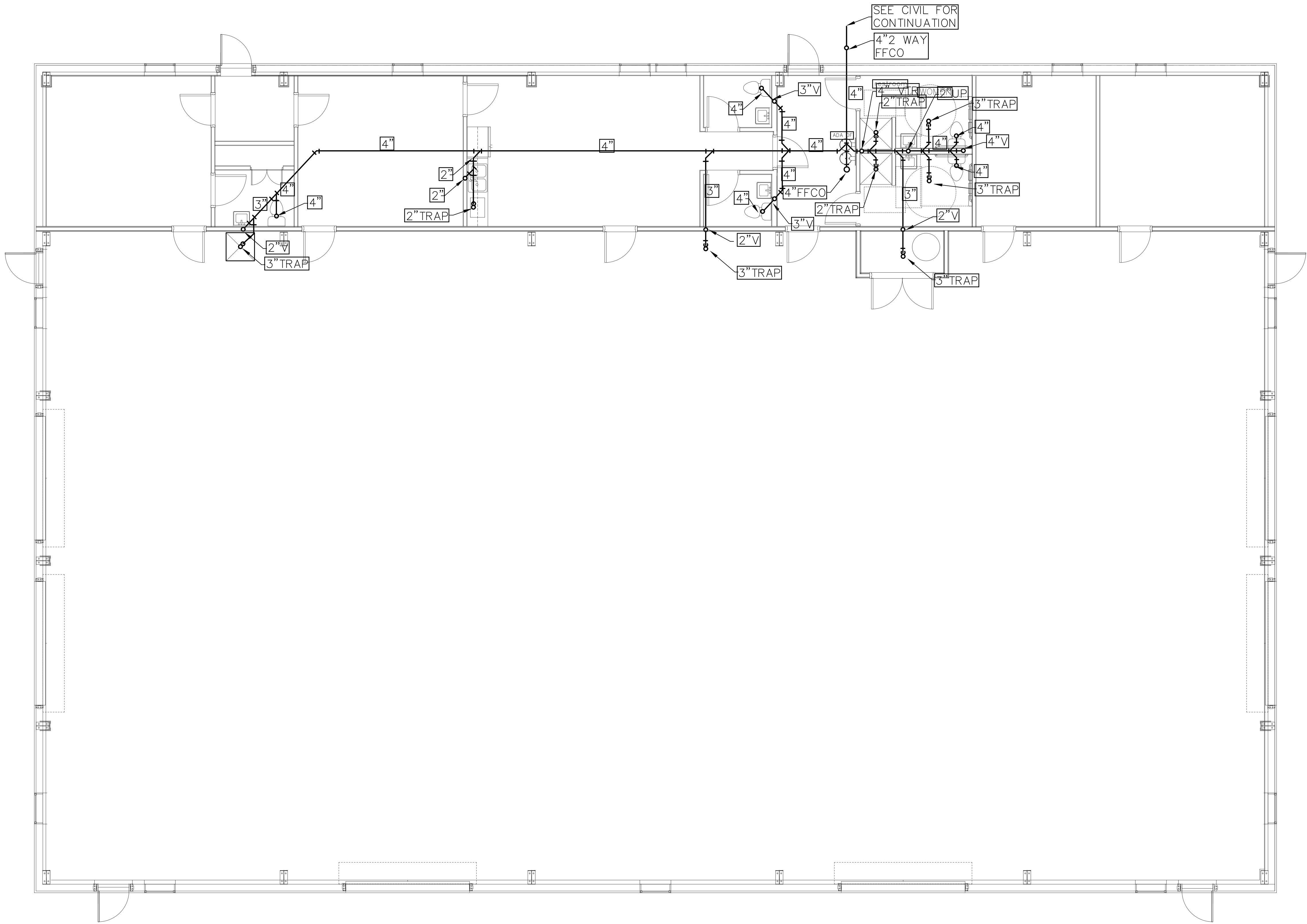
SS	SANITARY SEWER
---	SOIL OR WASTE PIPING (W.)
----	VENT PIPING
----	COLD WATER PIPING (CW)
----	HOT WATER PIPING (HW)
----	HOT WATER RETURN PIPING (HWR)
----	EXIST. HOT WATER PIPING RETURN PIPING (HWR)
F.F.C.O.	FINISH FLOOR CLEANOUT
F.G.C.O.	FINISH GRADE CLEANOUT
VTR	VENT THRU ROOF
EXIST.	EXISTING
ELEV.	ELEVATION
U.G.	UNDERGROUND
ABV.	ABOVE
CLG.	CEILING
CONC.	CONCRETE
FIN.	FINISH
O.C.	ON CENTER
↔ - 3	GATE VALVE (G.V.)
↔ - 5	BALL VALVE (B.V.)
ØZ	OUNCES
(TYP.)	TYPICAL
DWN	DOWN
SAN.	SANITARY
BLDG	BUILDING
AFF.	ABOVE FINISH FLOOR



1 FINISH GRADE CLEANOUT DETAIL
SCALE : NTS



2 FINISH FLOOR CLEANOUT DETAIL
SCALE : NTS

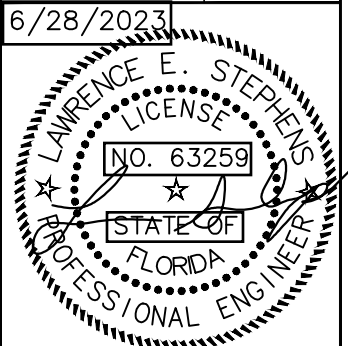


1 BELOW FLOOR SANITARY WASTE
SCALE : 3/16" = 1'-0"



925 TOMMY MUNRO DR., STE B
BLOOMINGVILLE, MS 38902
228.207.3322 OFFICE
207.3346 FAX
LES@STEPHENSMECHENG.COM

EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FORT WALTON, FLA
BELOW FLOOR WASTE SYSTEM

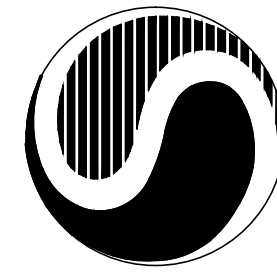


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DATE:	6/5/2023
DRAWN BY:	LES
DESIGNED BY:	LES
CHECKED BY:	LES

SHEET NUMBER

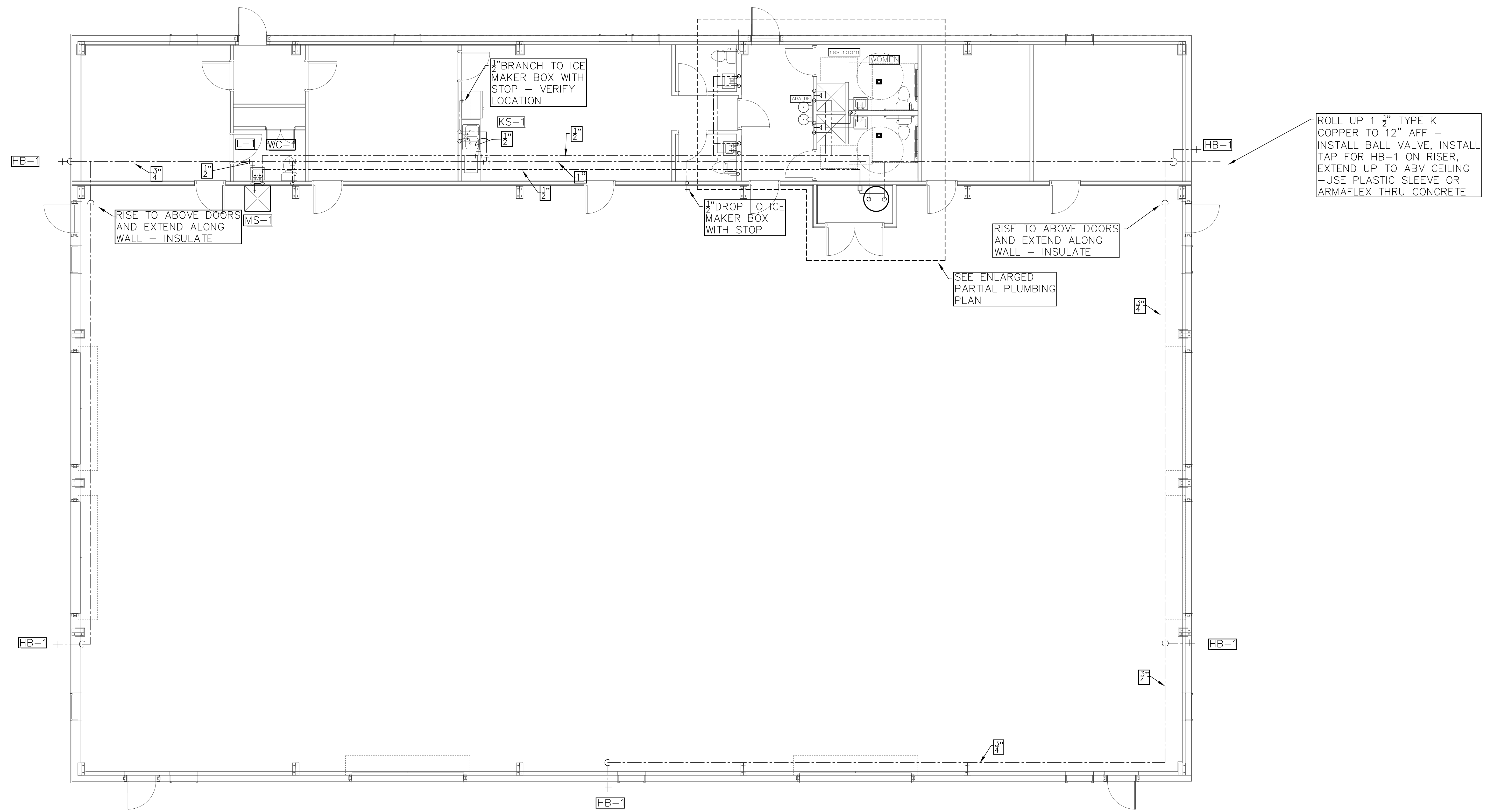
P100

SHEET COUNT
1 OF 4



STEPHENS
MECHANICAL ENGINEERING LLC.

925 TOMMY MUNRO DR., SUITE B
BLOOMINGVILLE, MS 38902
228.207.3322 OFFICE
207.3346 FAX
LES@STEPHENSMECHENG.COM



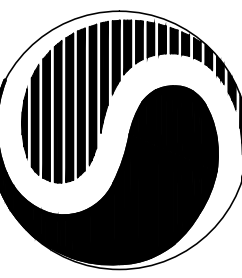
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ABOVE FLOOR PLUMBING PLAN
SCALE : 3/16" = 1'-0"



STEPHENS
MECHANICAL ENGINEERING LLC.

925 TOMMY MUNRO DR., STE. B
BILLOX, MS 39537
228 207 3322 FAX 228 207 3348
LAWRENCE STEPHENS P.E. 039289
FL AUTHORIZATION NO: 000030251

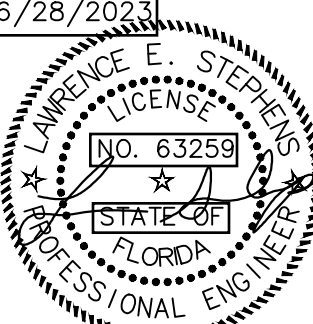


STEPHENS
MECHANICAL ENGINEERING LLC.

925 TOMMY MUNRO DR., SUITE B
BILLOX, MISSISSIPPI 39532
228 207 3322 OFFICE
207 3346 FAX
LES@STEPHENSMECHENG.COM

EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FORT WALTON, FLA
ABOVE FLOOR PLUMBING PLAN

6/28/2023



JOB NO. 23024

DATE: 6/5/2023

DRAWN BY: LES

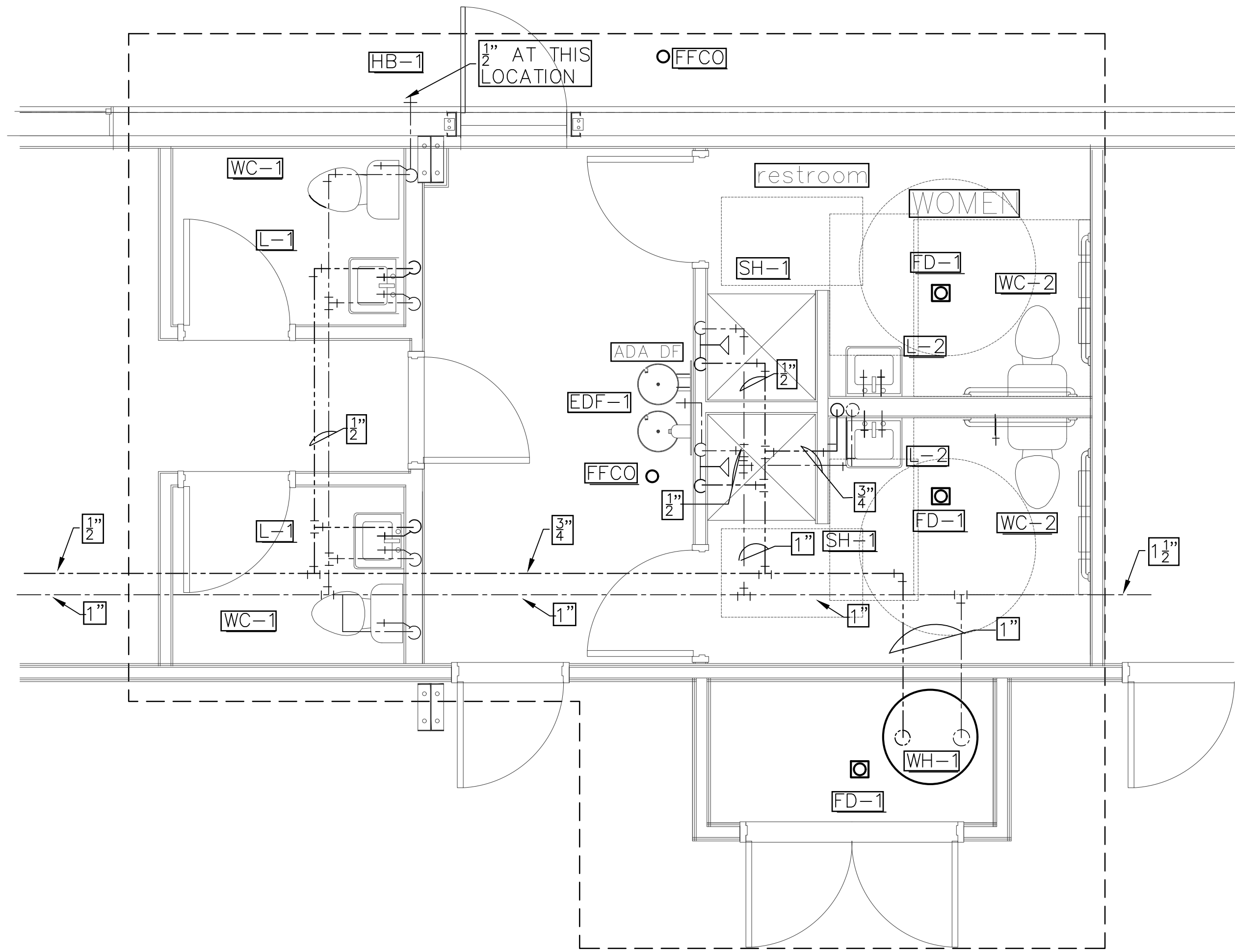
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CHECKED BY: LES

SHEET NUMBER

P101

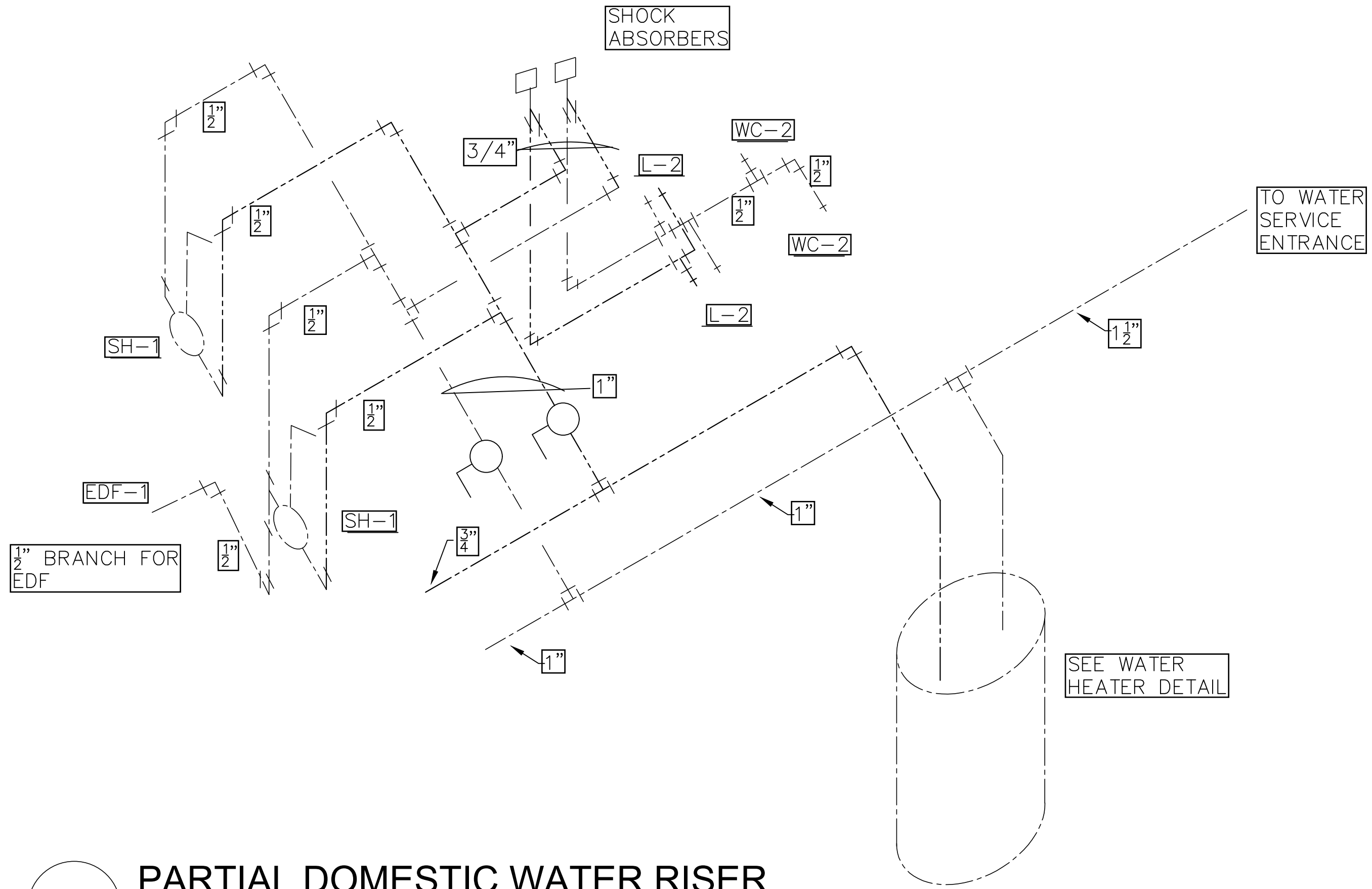
SHEET COUNT
1 OF 4



1

ENLARGED PLUMBING PLAN

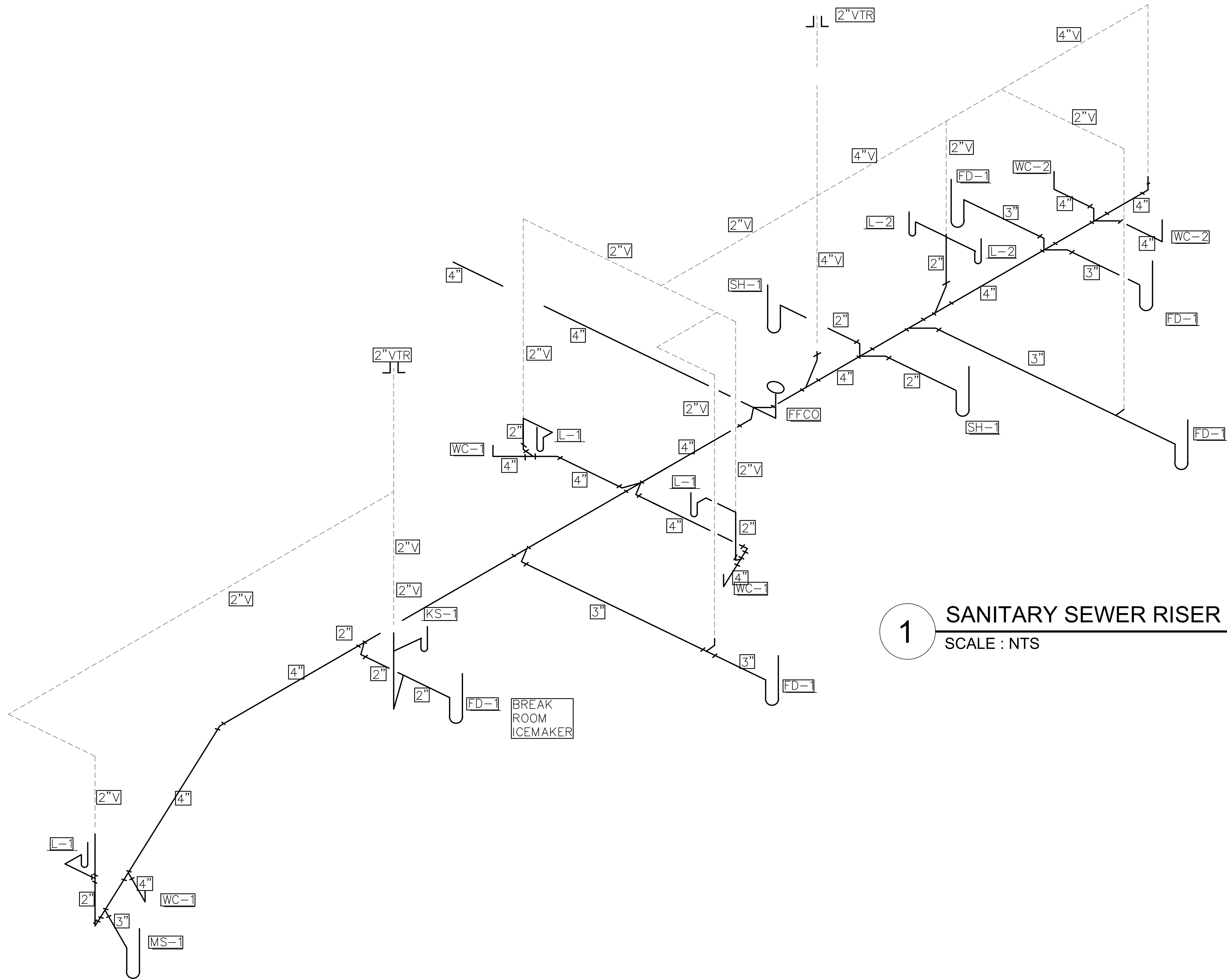
SCALE : 1/4" = 1'-0"



2

PARTIAL DOMESTIC WATER RISER

SCALE : NTS



1 SANITARY SEWER RISER
SCALE : NTS

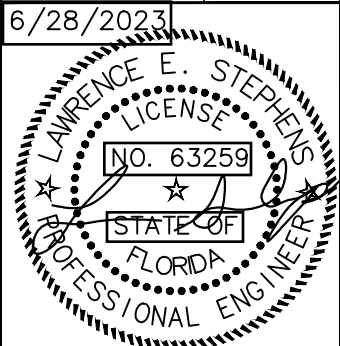


STEPHENS
MECHANICAL ENGINEERING LLC.

925 TOMMY MUNRO DR., STE. B
BLOOMING, MISSISSIPPI 39552
228.207.3322 FAX 228.207.3348
LAWRENCE STEPHENS, P.E. 63259
FL AUTHORIZATION NO.: 000030951

EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FORT WALTON, FLA
SANITARY SEWER RISER

6/28/2023



LAWRENCE E. STEPHENS
P.E. NO. 63259
STATE OF FLORIDA
PROFESSIONAL ENGINEER

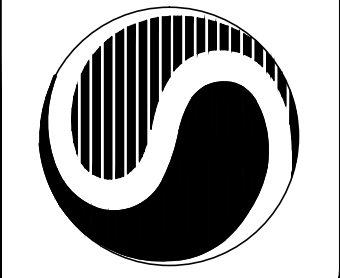
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DATE:	6/5/2023	DRAWN BY:	LES		

SHEET NUMBER

P103

SHEET COUNT

1 OF 4



STEPHENS
MECHANICAL ENGINEERING LLC.

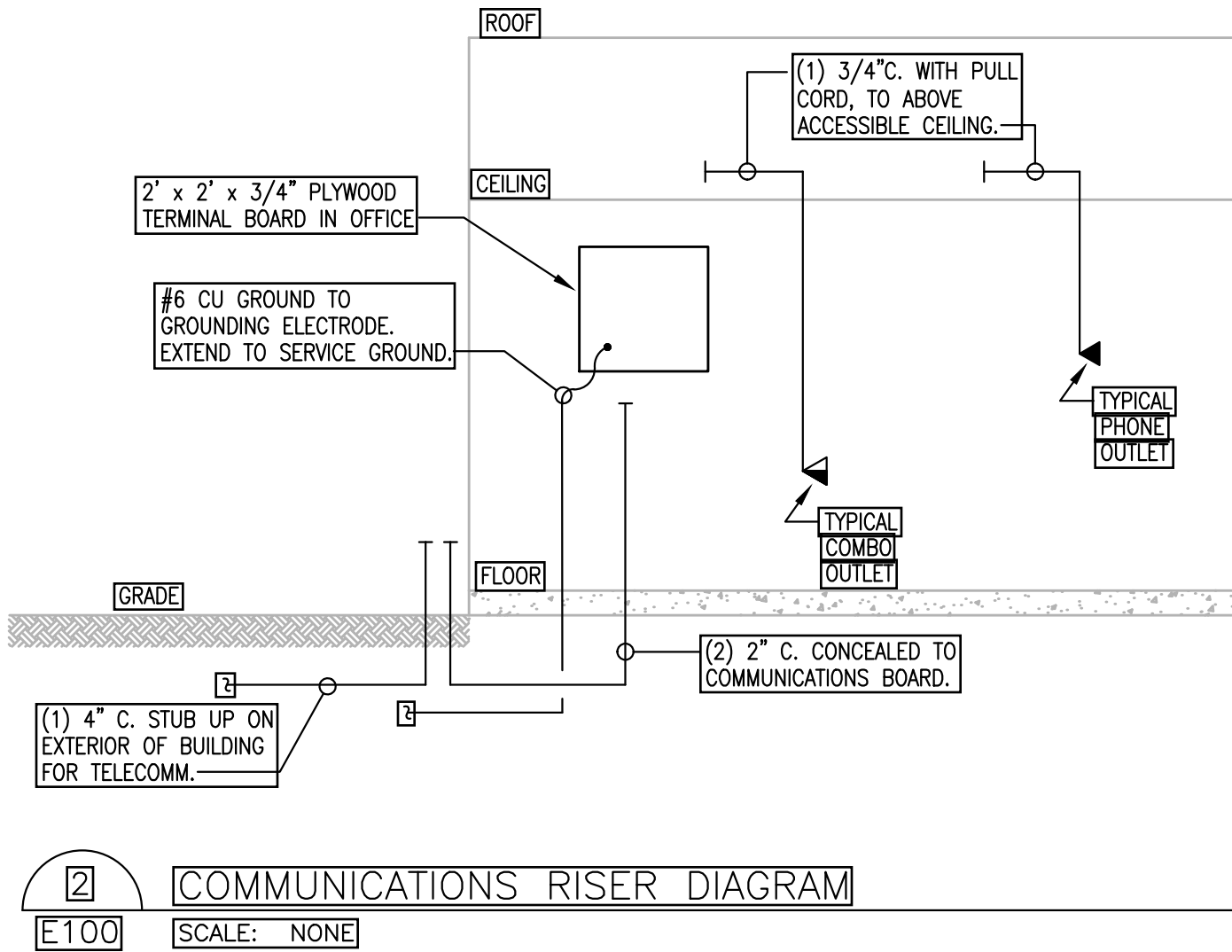
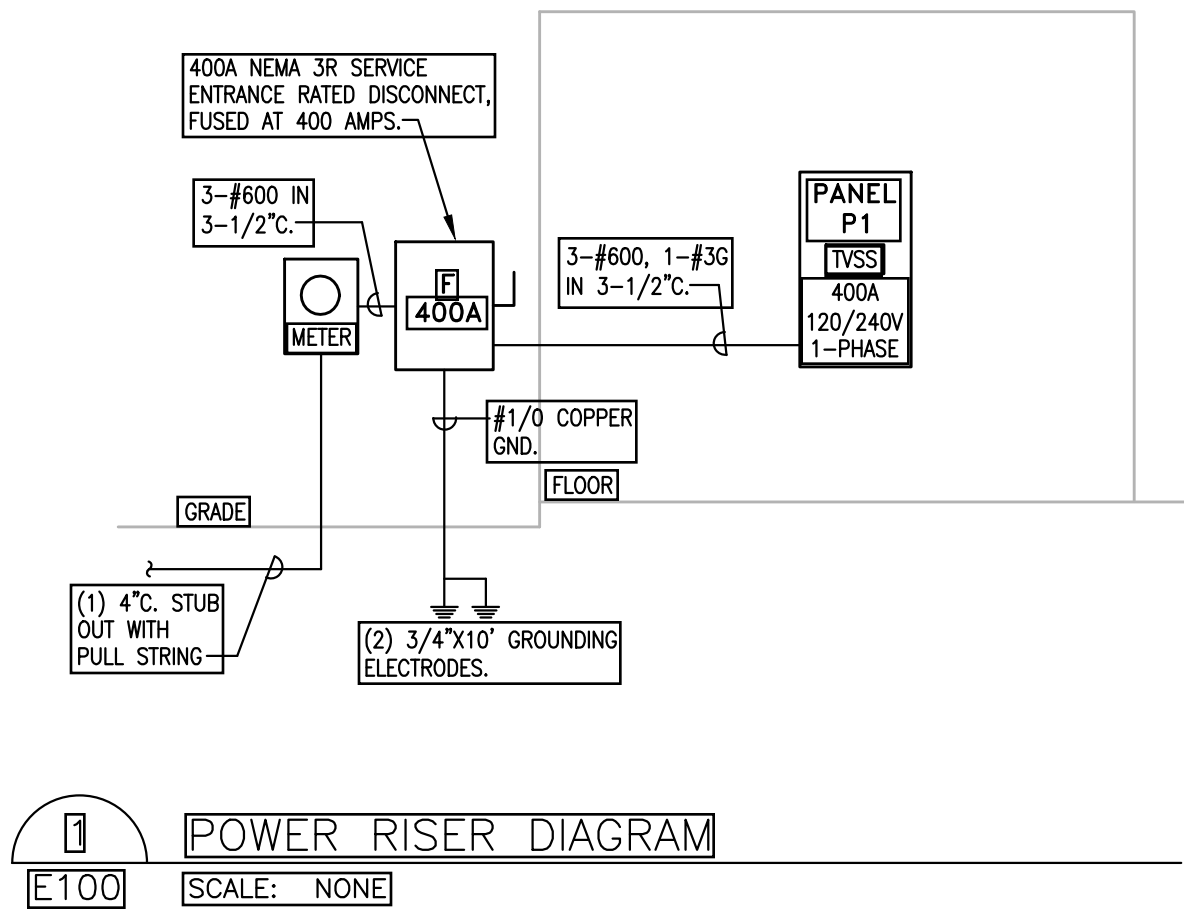
925 TOMMY MUNRO DR., SUITE B
BLOOMING, MISSISSIPPI 39552
228.207.3322 OFFICE
207.3346 FAX
LES@STEPHENSMECHENG.COM

ELECTRICAL LEGEND	
LIGHTING	CONDUIT AND WIRE
SWITCHES	
SWITCHGEAR	DEVICES
	COMMUNICATIONS

LUMINAIRE SCHEDULE						
MARK	LAMPS	MOUNTING	DESCRIPTION	MANUFACTURER	EQUALS	
C1	LED	RECESSED CEILING	LED, 6" RECESSED WAFER LIGHT	LITHONIA WF6-LED-35K-MVOLT	OR APPROVED EQUAL	
EW P	LED	WALL; ABOVE DOOR	EMERGENCY/EGRESS FIXTURE, EXTERIOR	ISOLITE OWL-EM-B2-MB	OR APPROVED EQUAL	
F1	LED	SURFACE CEILING	LED, LOW PROFILE WRAPAROUND FIXTURE	LITHONIA LBL4-4800LM-80CRI-35K-MVOLT	OR APPROVED EQUAL	
F1E	LED	SURFACE CEILING	LED, LOW PROFILE WRAPAROUND FIXTURE, W/EMERGENCY	LITHONIA LBL4-4800LM-80CRI-35K-MVOLT-EL14L	OR APPROVED EQUAL	
H1	LED	SUSPENDED AT STRUCTURE	LED, ROUND HI-BAY FIXTURE, SWITCHABLE LUMENS	LITHONIA CPR8-ALO13-UVOLT-SWW9-80CRI-DWH-12000/15000/18000	OR APPROVED EQUAL	
W1	LED	WALL; (VERIFY)	LED, EXTERIOR WALL PACK	LITHONIA TWX1-LED-ALO-40K-MVOLT-DOBXTXD	OR APPROVED EQUAL	
W2	LED	WALL; (VERIFY)	LED, EXTERIOR WALL PACK	LITHONIA TWX2-LED-ALO-40K-MVOLT-DOBXTXD	OR APPROVED EQUAL	
XE	RED LED	WALL/CEILING	COMBO EXIT/EMERGENCY EGRESS - 1 SIDE - ALUMINUM HOUSING	ISOLITE DCL-R-U-BA-MTEBP	OR APPROVED EQUAL	

NOTE: LUMINAIRES WITH "E" DESIGNATION SHALL HAVE INTEGRAL EMERGENCY BALLAST. CONNECT EMERGENCY BALLAST ONLY AHEAD OF ANY SWITCHING. NORMAL BALLAST TO BE SWITCHED AS INDICATED, UNLESS NOTED OTHERWISE.

PANEL		BUSS: 400 AMP	VOLT: 120/240V, 1 PHASE, 3 WIRE						AIC RATING: 22,000			
P1		MAINS: 400A MLO	MOUNT: SURFACE, NEMA 1						LOCATION: GRINDER & PARTS ROOM			
CKT.	BKR.	DESCRIPTION	FEEDER	LOAD (AMPS)		LOAD (AMPS)		FEEDER	DESCRIPTION	BKR.	CKT.	
				A	C	A	C					
1	20/1	EXTERIOR LIGHTS	2-12, 1-12G	8		13.2		2-12, 1-12G	EQUIP. STOR. LIGHTS	20/1	2	
3	20/1	LIGHTS	2-12, 1-12G		10		8.8	2-12, 1-12G	EQUIP. STOR. LIGHTS		4	
5	20/1	EXHAUST FAN	2-12, 1-12G	5.8		6		2-12, 1-12G	REC. - GRINDER/PARTS ROOM	20/1	6	
7	20/1	REC. - COMM. BOARD	2-12, 1-12G		3		7.5	2-12, 1-12G	REC. - MECH. OFFICE	20/1	8	
9	20/1	REC. - RESTROOMS	2-12, 1-12G	7.5		6		2-12, 1-12G	REC. - DRINKING FOUNTAINS	20/1	10	
11	20/1	REC. - BREAK ROOM	2-12, 1-12G		4.5		4.5	2-12, 1-12G	REC. - BREAK ROOM	20/1	12	
13	20/1	ICE MACHINE	2-12, 1-12G	10		3		2-12, 1-12G	REC. - BREAK ROOM.	20/1	14	
15	20/1	REC. - BREAK ROOM REFRIG.	2-12, 1-12G		8		12	2-12, 1-12G	REC. - ASSIST. OFFICE	20/1	16	
17	20/1	REC. - SUPERVISOR OFFICE	2-12, 1-12G	10.5		7.5		2-12, 1-12G	REC. - EQUIP. STORAGE	20/1	18	
19	20/1	REC. - EQUIP. STORAGE	2-12, 1-12G		9		1.5	2-12, 1-12G	REC. - EQUIP. STOR. CORD REEL	20/1	20	
21	20/1	REC. - EQUIP. STORAGE	2-12, 1-12G	9		5.8		2-12, 1-12G	EQUIP. STOR. FAN	20/1	22	
23	20/1	EQUIP. STOR. FAN	2-12, 1-12G		5.8		5	2-12, 1-12G	ROLL UP DOOR	20/1	24	
25	20/1	ROLL UP DOOR	2-12, 1-12G	5		5		2-12, 1-12G	ROLL UP DOOR	20/1	26	
27	20/1	ROLL UP DOOR	2-12, 1-12G		5		5	2-12, 1-12G	ROLL UP DOOR	20/1	28	
29	20/2	EF-7 AND LOUVER	3-12, 1-12G	8		5		2-12, 1-12G	ROLL UP DOOR	20/1	30	
31					8				SPARE	20/1	32	
33	30/2	REC. - EQUIP. STORAGE	2-10, 1-10G	15		8		3-12, 1-12G	EF-8 AND LOUVER	20/2	34	
35					15		8					36
37	30/2	REC. - EQUIP. STORAGE	2-10, 1-10G	15		15		2-10, 1-10G	REC. - EQUIP. STORAGE	30/2	38	
39					15		15					40
41	30/2	REC. - GRINDER/PARTS	2-10, 1-10G	15		15		2-10, 1-10G	REC. - EQUIP. STORAGE	30/2	42	
43					15		15					44
45	30/2	REC. - EXTERIOR	3-10, 1-10G	20		15		2-10, 1-10G	REC. - GRINDER/PARTS	30/2	46	
47					20		15					48
49	20/1	SPARE				20		2-10, 1-10G	ICE MACHINE	30/2	50	
51	20/1	SPARE				20					52	
53	30/2	AHU-1 #2	2-10, 1-10G	22		18.75		2-10, 1-10G	WH-1	30/2	54	
55					22		18.75					56
57	50/2	CU-1	2-8, 1-10G	26		51		2-6, 1-10G	AHU-1 #1	60/2	58	
59					26		51					60
				176.8	166.3	194.3	187.1					
CONNECTED LOADS PER PHASE								A phase	371.1	amps		
								C phase	353.4	amps		



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WELCON
ELECTRICAL CONSULTANTS
1411 G CUSTOMS BOULEVARD, SUITE #111
GULFPORT, MISSISSIPPI 39503
228.822.8000

Project Name and Address
EAGLE SPRINGS GOLF COURSE MAINT. BUILDING
WALTON COUNTY, FLORIDA

Sheet Title
ELECTRICAL LEGEND, LUMINAIRE SCHEDULE, PANELBOARD SCHEDULE AND DETAILS

No.	Date	Revision

Seal
GREGORY P. WYROSZKO
LICENSE
No. 800146
6/27/23
FLORIDA
PROFESSIONAL ENGINEER

Project No.	23-SM-03
Date	06/27/2023
Drawn By	WH
Checked By	GPW
Scale	AS SHOWN

Drawing No.
E100
1 of 3 Sheets

BASIC ELECTRICAL REQUIREMENTS

1. ALL ELECTRICAL WORK TO CONFORM TO CURRENT EDITIONS OF THE FLORIDA BUILDING CODES, AND OTHER APPLICABLE LOCAL, STATE, AND FEDERAL LAWS, ORDINANCES, AND REGULATIONS. WHERE DRAWINGS OR SPECIFICATIONS EXCEED CODE REQUIREMENTS, THE DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. NO WORK SHALL BE DONE THAT IS MORE THAN 10% DIFFERENT FROM THE DRAWINGS AND SPECIFICATIONS.
2. ALL WORK PERFORMED UNDER THIS DIVISION SHALL BE INSPECTED AND APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
3. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING WORK. NO ADDITIONAL SUE WILL BE AUTHORIZED DUE TO LACKING OF UNDERSTANDING ON EXISTING CONDITIONS.
4. CONTRACTOR SHALL VERIFY WITH UTILITY COMPANIES FOR SERVICE ENTRANCE REQUIREMENTS TO THE BUILDING/FACILITY. SERVICE ENTRANCES TO BE INSTALLED PER RESPECTIVE UTILITY COMPANY REQUIREMENTS.
5. PROVIDE FOR ALL PERMITTING AND INSPECTIONS. INCLUDE PAYMENT OF ALL PERMIT AND INSPECTION FEES APPLICABLE TO THE WORK IN THIS DIVISION.
6. PROVIDE ONE YEAR WARRANTY, RECORD (AS-BUILT) DRAWINGS, AND OPERATION/MAINTENANCE MANUALS ON ALL ELECTRICAL EQUIPMENT AND LIGHTING.
7. DURING CONSTRUCTION, THE CONTRACTOR SHALL EXERCISE CARE AND TAKE APPROPRIATE PRECAUTIONARY MEASURES TO PREVENT ANY DAMAGE TO THE EXISTING STRUCTURES, SIDEWALKS, UTILITIES, COMMUNICATIONS, ETC. DURING THE PROJECT. THE CONTRACTOR SHALL CORRECT ALL DAMAGE CAUSED OR DURING THE PROJECT. IF DAMAGE IS NOT LESS THAN (2) AND NOT MORE THAN (10) WORKING DAYS AHEAD OF THE COMMENCEMENT OF WRITTEN, ELECTRONIC, OR TELEPHONIC NOTICE OF THE COMMENCEMENT, EXTENT, LOCATION AND DURATION OF THE EXCAVATION WORK TO LOCAL OR STATE ONE-CALL SYSTEMS AND ANY NONMEMBERS OPERATOR(S) OF ANY UNDERGROUND UTILITY LINES OR UNDERGROUND FACILITIES IN AND NEAR THE EXCAVATION AREA, SO THAT OPERATOR(S) AND ANY NON-MEMBER OPERATOR(S) MAY LOCATE AND MARK THE LOCATION OF UNDERGROUND UTILITY LINES AND UNDERGROUND FACILITIES IN THE EXCAVATION AREA.
8. THE CONTRACTOR SHALL COORDINATE WITH OWNER OR UTILITY COMPANY FOR CONNECTIONS. ALL TEMPORARY LIGHTING AND POWER SHALL CONFORM TO OSHA STANDARDS AND ALL CODE REQUIREMENTS.
9. WORKERS POSSESSING THE SKILLS AND EXPERIENCE OBTAINED IN PERFORMING WORK OF SIMILAR SCOPE AND COMPLEXITY SHALL PERFORM THE WORK OF THIS DIVISION.
10. FOR PURPOSES OF CLEARANCE AND LEGIBILITY, DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND THE SIZE AND LOCATION OF EQUIPMENT IS INDICATED TO SCALE WHENEVER POSSIBLE. VARYING CONDITIONS, DIMENSIONS, INDICATED EQUIPMENT SIZES, AND MANUFACTURER'S DATA AND INFORMATION AS SHOWN ON THE DRAWINGS SHALL BE USED TO DETERMINE THE EXACT LOCATION AND LAYOUT WITH OTHER WORK.
11. DRAWINGS INDICATE REQUIRED SIZE AND POINTS OF TERMINATION OF CONDUITS, NUMBER AND SIZE OF CONDUITORS, AND DIAGRAMMATIC ROUTING OF CONDUIT. INSTALL CONDUITS WITH MINIMUM NUMBER OF BENDS TO CONFORM TO STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM, KEEP OPENINGS AND PASSAGEWAYS CLEAR, AND COMPLY WITH APPLICABLE CODE REQUIREMENTS.
12. OUTLET LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL ELEMENTS PRIOR TO START OF CONSTRUCTION. LOCATIONS INDICATED ON THE DRAWINGS MAY BE DISTORTED FOR CLARITY. WHERE INSTALLED AT MILLWORK, OUTLETS SHALL BE LOCATED IN KNEE SPACE OR ABOVE COUNTERTOP.
13. COORDINATE ELECTRICAL WORK WITH ALL OTHER WORK.
14. THE SCOPE OF THE ELECTRICAL WORK INCLUDES: FURNISHING, INSTALLING TESTING AND WARRANTY OF ALL ELECTRICAL WORK AND COMPLETE ELECTRICAL SYSTEMS SHOWN ON THE ELECTRICAL DRAWINGS AND SPECIFIED HEREIN.
15. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL ELECTRICAL SYSTEMS TO PROVIDE A COMPLETE PACKAGE AS INDICATED BY THE CONTRACT DOCUMENTS. THE DOCUMENTS ARE INTENDED TO PROVIDE AN OUTLINE FOR THE REQUIRED INSTALLATIONS. THE CONTRACTOR SHALL ULTIMATELY PROVIDE A COMPLETE AND OPERATIONAL SYSTEM AT THE CONCLUSION OF THE PROJECT.
16. DETAILS ARE PROVIDED AS THEY RELATE TO THE INSTALLATION. CONTRACTOR SHALL PROVIDE AND INSTALL ALL MISCELLANEOUS COMPONENTS, PARTS, MATERIAL, FASTENERS, SPLICES, AND ANY OTHER INCIDENTAL ITEMS NECESSARY TO PROVIDE A COMPLETE INSTALLATION.
17. ELECTRICAL CONNECTIONS INDICATED ON DRAWINGS SHALL INCLUDE WIRING, INSTALLATION, CONNECTION AND ADJUSTMENT. REQUIRED ELECTRICAL CONNECTIONS SHALL BE PERFORMED FOR SUCH EQUIPMENT AND APPLIANCES. WORK SHALL INCLUDE FURNISHING AND INSTALLING SUITABLE OUTLETS, DISCONNECTING DEVICES, STARTERS, PUSH-BUTTON STATIONS, SELECTOR SWITCHES, CONDUIT, JUNCTION BOXES, AND WIRING NECESSARY FOR A COMPLETE ELECTRICAL INSTALLATION.
18. REMOVE MATERIALS AND EQUIPMENT FROM DAMAGE AND PROVIDE ADEQUATE AND PROPER STORAGE FACILITIES DURING PROGRESS OF THE WORK. DAMAGED MATERIALS AND/OR EQUIPMENT SHALL BE REPLACED. REMOVE RUBBISH, DEBRIS AND WASTE MATERIALS AND LEGALLY DISPOSE OF OFF THE PROJECT SITE.
19. REMOVE GREASE AND OIL SPOTS WITH SOLVENT. SUCH SURFACES SHALL BE WIPED AND CORNERS AND CRACKS SCRAPED OUT. EXPOSED ROUGH METAL SHALL BE SMOOTH, FREE OF SHARP EDGES, CAREFULLY STEEL BRUSHED TO REMOVE RUST AND OTHER SPOTS, AND LEFT IN PROPER CONDITION TO RECEIVE FINISH PAINTING.
20. ADVISE THE GENERAL CONTRACTOR OR ARCHITECT BEFORE STARTING THE WORK OF THIS DIVISION.
21. EXPOSED CONDUITS SHALL BE PAINTED TO MATCH THE SURFACES ADJACENT TO INSTALLATION. REFER TO PAINTING AND COATING SECTION OF SPECIFICATIONS.
22. VERIFY ALL DIMENSIONS AND CLEARANCES WITH ARCHITECT AND OWNER.
23. SEAL ALL WALL PENETRATIONS WITH AN APPROVED CALK COMPOUND EQUIVALENT TO 3M FIRE BARRIER CAULK.
24. COORDINATE PHASING OF WORK WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES / DISCIPLINES FOR ELECTRICAL INSTALLATIONS.
25. NOTIFY THE ENGINEER IMMEDIATELY OF ANY PLAN DISCREPANCIES PRIOR TO PROCEEDING WITH ROUGH-IN OR TRIM OUT.

BASIC ELECTRICAL MATERIALS, BOXES, CONDUIT, WIRING, AND GROUNDING

1. BOXES INSTALLED IN CONCEALED WORK SHALL BE GALVANIZED STEEL, PRESSED, OR WELDED TYPE, WITH KNOCKOUTS.
2. BOXES SHALL BE 4-INCH OCTAGON, 4-INCH SQUARE, 2-1/8 INCHES DEEP OR LARGER, DEPENDING UPON NUMBER OF CONDUCTORS OR CONDUITS THEREIN, UNLESS NOTED OTHERWISE. PLASTER OR TILE RINGS SHALL BE FURNISHED FOR SUITABLE MOUNTING OF LIGHT FIXTURE. PROVIDE SUITABLE COVERS FOR ALL BOXES.
3. JUNCTION AND PULL BOXES, IN ADDITION TO THOSE INDICATED, SHALL ONLY BE USED IN COMPLIANCE WITH CODES, RECOGNIZED STANDARDS, AND CONTRACT DOCUMENTS. PROVIDE NEMA 3R WHERE INSTALLED OUTDOORS OR SUBJECT TO MOISTURE. PROVIDE POLYMER CONCRETE PULL BOXES AS NOTED WHERE INSTALLED AT GRADE LEVEL. PROVIDE SUITABLE COVERS FOR ALL BOXES.
4. ALL CONDUIT IN SLAB AND UNDERGROUND TO BE PVC SCH. 40.
5. ALL INTERIOR CONDUITS CONCEALED IN WALLS, ABOVE CEILING, OR IN EXPOSED STRUCTURE SHALL BE EMT WITH COMPRESSION FITTINGS FOR CONDUITS 1" AND SMALLER, CONDUITS 1-1/4" AND ABOVE SHALL HAVE STEEL SET-SCREW FITTINGS. METAL-CABLE (MC) CABLE MAY ONLY BE USED FOR FLEX CONNECTORS TO LIGHT FIXTURES WHERE INSTALLED ABOVE LAY-IN ACUSTICAL CEILINGS OR WHERE INSTALLED CONCEALED WITHIN BUILDING PURLING AT ROOF.
6. ALL EXPOSED CONDUITS SHALL BE GALVANIZED RIGID TO 10 FEET ABOVE FINISHED FLOOR WHEN INSTALLED IN AREAS SUSCEPTIBLE TO DAMAGE.
7. ALL CONDUITS SHALL BE INSTALLED PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE. DO NOT INSTALL CONDUITS AT "ANGLED" OR "STRAIGHT-RUNS" BETWEEN BOXES.
8. FEEDER CONDUITS SHALL BE PVC BELOW GRADE, GRC ELBOWS AND RISERS UP TO PANELS FROM BELOW GRADE, OR EMT WHERE INSTALLED OVERHEAD AND COMPLETELY INDOORS, UNLESS NOTED OTHERWISE.
9. ALL WIRING SHALL BE COPPER.
10. ALL WIRING SHALL BE #12 AWG MINIMUM, THINW/THIN, UNLESS NOTED OTHERWISE.
11. ALL WIRING SHALL BE CONDUCTOR TYPE THIN OR THIN INSULATED WITH POLYVINYL CHLORIDE AND COVERED WITH A PROTECTIVE SHEATH OF NYLON, RATED AT 600 VOLTS. WIRES SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL) FOR INSTALLATION IN ACCORDANCE WITH ARTICLE 310 OF THE NATIONAL ELECTRICAL CODE (NEC). CONDUCTORS MAY BE SOLID OR STRANDED COPPER FOR 12 AWG AND SMALLER CONDUCTORS, AND STRANDED COPPER FOR 10 AWG AND LARGER CONDUCTORS. CONDUCTORS SHALL BE INSULATED WITH PVC AND SHEATHED WITH NYLON.
12. GROUNDING SHALL BE INSTALLED PER NEC SECTION 250.
13. METALLIC OBJECTS ON THE PROJECT SITE THAT ENCLOSE ELECTRICAL CONDUCTORS, OR THAT ARE LIKELY TO BE ENERGIZED BY ELECTRICAL CURRENTS, SHALL BE EFFECTIVELY GROUND.
14. METAL EQUIPMENT PARTS, SUCH AS ENCLOSURES, RACEWAYS, AND EQUIPMENT GROUNDING CONDUCTORS, AND EARTH GROUNDING ELECTRODES SHALL BE SOLIDLY JOINED TOGETHER INTO A CONTINUOUS ELECTRICALY CONDUCTIVE SYSTEM.
15. METALLIC SYSTEMS SHALL BE EFFECTIVELY BONDED TO THE MAIN GROUNDING ELECTRODE SYSTEM.
16. ELECTRICAL CONTINUITY TO GROUND METAL RACEWAYS AND ENCLOSURES, ISOLATED FROM EQUIPMENT GROUND BY INSTALLATION OF NON-METALLIC CONDUIT OR FITTINGS, SHALL BE PROVIDED BY A GREEN INSULATED GROUNDING CONDUCTOR OF REQUIRED SIZE WITHIN EACH RACEWAY CONNECTED TO THE METAL RACEWAY OR FITTING, OR EACH END OF EACH RACEWAY. EACH FLEXIBLE CONDUIT OVER 6 FEET IN LENGTH SHALL BE PROVIDED WITH A GREEN INSULATED GROUNDING CONDUCTOR OF REQUIRED SIZE.
17. COLD WATER, OR OTHER UTILITY PIPING SYSTEMS, SHALL NOT BE UTILIZED AS GROUNDING ELECTRODES DUE TO THE INSTALLATION OF INSULATING COUPLINGS AND NON-METALLIC PIPE IN SUCH INSTALLATIONS.
18. NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT, PANELS, EQUIPMENT CABINETS, AND METAL FRAMES OF BUILDINGS SHALL BE PERMANENTLY AND EFFECTIVELY GROUND, PROVIDE A NEC SIZED GROUNDING CONDUCTOR IN EVERY RACEWAY.
19. NEUTRAL OF SERVICE CONDUCTORS SHALL BE GROUND AS FOLLOWS: NEUTRAL SHALL BE GROUND AT THE SERVICE PANELBOARD, OR MAIN SWITCH, EQUIPMENT AND CONDUIT GROUNDING CONDUCTORS SHALL BE BONDED TO THAT GROUNDING POINT, FEEDER NEUTRALS SHALL BE BONDED AT SERVICE ENTRANCE POINT ONLY, NEUTRALS OF SEPARATELY DERIVED SYSTEMS SHALL BE BONDED AT THE SOURCE ONLY.
20. WITHIN EVERY BUILDING, THE MAIN PANELBOARD, SHALL BE BONDED TO THE COLD WATER LINE. METALLIC PIPING SYSTEMS SUCH AS GAS, FIRE, STEAMER, OR OTHER SYSTEMS SHALL BE BONDED TO THE COLD WATER LINE.
21. GROUNDING ELECTRODES SHALL BE COPPER-CU, MINIMUM 3/4 INCH DIAMETER, 6 FEET LONG, MINIMUM 3/4 INCH DIAMETER BY 10 FEET LONG. INSTALL ADDITIONAL ELECTRODES WHERE GROUND REMAINS HIGHER THAN 25 OHMS. INSTALL GROUNDING ELECTRODES AS NOTED ON DRAWINGS.
22. GROUNDING CONDUCTORS SHALL BE COPPER, #12 MINIMUM WITH GREEN INSULATION, UNLESS NOTED OTHERWISE.
23. GROUND TALLS SHALL BE COPPER, #12 MINIMUM WITH GREEN INSULATION, INSTALLED IN ALL METALLIC JUNCTION BOXES WHERE DEVICES ARE BEING INSTALLED. BRANCH CIRCUIT GROUND, JUNCTION BOX, AND DEVICES SHALL BE BONDED AT EACH JUNCTION BOX.

WIRING DEVICES

1. RECEPTACLES SHALL COMPLY WITH NEMA WD 1, NEMA WD 6, AND UL 498.
2. SWITCHES SHALL COMPLY WITH NEMA WD 1 AND UL 20.
3. DUPLEX RECEPTACLES SHALL BE HEAVY-DUTY SPECIFICATION GRADE, GROUNDING TYPE. TERMINAL SCREWS SHALL BE BACK AND SIDE WIRED WITH INTERNAL SCREW PRESSURE PLATES. MOUNTING STRAP SHALL FEATURE HEAVY-DUTY BRASS CONSTRUCTION. RECEPTACLE BACK BODY SHALL BE P.V.C. RECEPTACLE FACE SHALL BE IMPACT RESISTANT-NYLON. RECEPTACLES SHALL HAVE TRIPLE WIRE BRASS POWER CONTACTS.
4. PROVIDE SPECIFICATION GRADE RESULANT-FULTON INTERRUPTER (GFCI) TYPE RECEPTACLES IN ACCORDANCE WITH UL STANDARDS. GFCI RECEPTACLES SHALL HAVE TRIP PROTECTION. ALL RECEPTACLES TERMINED, BACK AND SIDE WIRED WITH INTERNAL SCREW PRESSURE PLATES. TEST AND RESET BUTTONS SHALL MATCH DEVICE BODY IN COLOR. GFCI RECEPTACLES SHALL BE MANUFACTURED IN STANDARD CONFIGURATION FOR INSTALLATION WITH STAINLESS STEEL SMOOTH PLATES. EXTERIOR MOUNTED RECEPTACLES SHALL BE MOUNTED INSIDE WEATHERPROOF ENCLOSURE.
5. FOR EQUIPMENT RECEPTACLES, PROVIDE 2-WIRE OR 3-WIRE, GROUNDING TYPE, RATED 30 OR 50 AMPS AT 125/250 VOLTS, NEMA RATING AS NOTED ON DRAWINGS OR AS REQUIRED FOR EQUIPMENT, WITH 2-GANG STAINLESS STEEL PLATES.
6. PROVIDE LOCAL SWITCHES, HIGH STRENGTH THERMOPLASTIC TOGGLE, SPECIFICATION GRADE, RATED 20 AMPS AT 120-277 VOLTS AC ONLY, WITH TRIP PROTECTION. EXTERIOR TRIP PROTECTION LIGHT RECEPTACLE WIRE, AND STANDARD SIZE COMPRESSION CUPS WHICH FULLY ENGAGE MECHANISM. SWITCHES SHALL BE APPROVED FOR INSTALLATION AT CURRENTS UP TO FULL RATING ON RESISTIVE, INDUCTIVE, TUNGSTEN FILAMENT LAMP AND FLUORESCENT LAMP LOADS, AND FOR UP TO 80 PERCENT OF RATING FOR MOTOR LOADS. SWITCHES SHALL HAVE OVERSIZED SILVER ALLOY CONTACTS FOR LONG LIFE AND BETTER HEAT DISSIPATION. PROVIDE SWITCHES AS SINGLE POLE, DOUBLE POLE, 3-WAY, 4-WAY, NON-LOCK TYPE.
7. WHERE NOTED, PROVIDE OCCUPANCY SENSOR SWITCHES (CEILING OR WALL MOUNT). SWITCHES SHALL BE DUAL TECHNOLOGY WITH INPUT VOLTAGE AND LOAD CHARACTERISTICS SUITABLE FOR LOADS BEING SERVED).
8. PROVIDE STAINLESS STEEL FACELATE ON ALL DEVICES.
9. WHERE DEVICES ARE TO BE INSTALLED AT MILLWORK OR ABOVE COUNTERS, COORDINATE WITH ARCHITECT FOR DEVICE HEIGHTS AND LOCATIONS PRIOR TO ROUGH-IN. INSTALL OUTLETS TO BE IN KNEE SPACE AREA OR IN AREA THAT WILL BE ACCESSIBLE AFTER MILLWORK IS COMPLETED.

PANEL BOARDS AND SAFETY SWITCHES

1. PROVIDE ENGRAVED NAMEPLATE LABEL FOR ALL PANELBOARDS, SWITCHES (WHOSE NOTED), DISCONNECTS, STARTERS, AND ANY EQUIPMENT NOTED OR REQUIRING NAMEPLATE IDENTIFICATION.
2. ALL ELECTRICAL PANELBOARDS SHALL BE COPPER BUSING, PANELBOARDS AND CONSTRUCTED TO NATIONAL ELECTRIC CODE, ARTICLE 408, UL 67, PANELBOARDS; UL 50, CABINETS AND BOXES; UL 943, GFCI; UL 489, MOLDED CASE CIRCUIT BREAKERS; NEMA PB1; AND FEDERAL SPECIFICATIONS W-P-115C AND WC-375E. LOAD CENTERS NOT ALLOWED UNLESS NOTED OTHERWISE.
3. ALL PANELBOARDS SHALL BE MOUNTED, ENCLOSED SAFETY TYPE WITH 120/240V, 3-WIRE SOLID NEUTRAL MAINS AS INDICATED ON DRAWINGS OR SPECIFICATIONS OF EACH INSTALLATION SHALL BE PROVIDED WITH MAIN AND SUB-FEEDER CIRCUIT BREAKERS WHERE INDICATED. PROVIDE NEMA 3R PANEL ENCLOSURES WHERE INSTALLED OUTDOORS OR WHERE SUBJECT TO MOISTURE OR WHERE NOTED ON DRAWINGS.
4. SURGE SUPPRESSORS SHALL BE INSTALLED WHERE INDICATED ON DRAWINGS. PROVIDE TRANSIENT VOLTAGE SURGE SUPPRESSORS AS SEPARATELY INSTALLED OF PANELBOARDS. PANELBOARDS SHALL BE COMPLETE WITH FULLY RATED CIRCUIT BREAKERS, MAIN, GROUND BUS AND ISOLATED GROUND BUS. SURGE SUPPRESSORS SHALL BE AS FOLLOWS: SURGE CAPACITY: SERVICE ENTRANCE SPD SHALL BE ANSI/UL LISTED TYPE 1 SPD WITH 1000 AMPERES RATED SURGE CURRENT CAPACITY. DISTRIBUTION PANELS SHALL BE ANSI/UL LISTED TYPE 1 SPD WITH 1000 AMPERES RATED SURGE CURRENT CAPACITY WITH A 80 KA SURGE RATING PER MODE. SURGE SUPPRESSION UNITS SHALL MEET UL 1449 3RD EDITION SUPPRESSED VOLTAGE RATING. 100% SPD SHALL BE THERMALLY PROTECTED FOR LOW CURRENT FALTS AND SHALL BE FUSED WITH SURGE-RATED FUSES. THE SURGE-RATED SURGE CURRENT PASSES AND CLEARS THE CIRCUIT SAFELY IF THE SURGE CAPACITY IS EXCEEDED. ENHANCED DIAGNOSTICS SHALL CONTINUOUSLY MONITOR THE UNIT'S STATUS AND SHALL INCLUDE LEADS TO SIGNAL A REDUCTION IN SURGE CAPACITY OR THE LOSS OF A SUPPRESSION CIRCUIT. AN AUDIBLE ALARM, WITH TEST AND SILENCE FEATURES, SHALL BE FURNISHED IN DISTRIBUTION PACKAGE.
5. SINGLE POLE BRANCHES SHALL BE MOLDED CASE, THERMAL MAGNETIC CIRCUIT BREAKERS WITH INVERSE TIME TRIP, TRIP FREE, QUICK-MAKE, QUICK-BREAK MECHANISM AND SILVER ALLOY CONTACTS. CIRCUIT BREAKERS SHALL BE FULLY RATED, WITH AMPERE RATING MARKED ON HANDLE AND SHALL INDICATE ON/OFF AND TRIPPED POSITIONS. GROUND FAULT INTERRUPTERS SHALL BE INCORPORATED INTO CIRCUIT BREAKERS WHERE INDICATED. THEY SHALL BE LISTED BY UL, OR OTHER NRTL AS GROUND FAULT DEVICES. PROVIDE APPROPRIATE LUG KIT OF SUFFICIENT SIZE TO ACCOMMODATE THE LOADS.
6. TWO-POLE BRANCHES SHALL BE ENCLOSED, AND SHALL BE THERMAL MAGNETIC CIRCUIT BREAKERS WITH INVERSE TIME TRIP, TAMPER-PROOF, AMBIENT COMPENSATED, SINGLE HANDLE, INTERNAL COMMON TRIP, AND QUICK-MAKE, QUICK-BREAK MECHANISM WITH SILVER ALLOY CONTACTS. CIRCUIT BREAKERS SHALL BE FULLY RATED OR AS OTHERWISE INDICATED ON THE DRAWINGS.
7. MAIN AND SUBFEEDER CIRCUIT BREAKERS SHALL BE ENCLOSED, THERMAL MAGNETIC TYPE WITH INVERSE TIME TRIP, SINGLE HANDLE COMMON TRIP, QUICK-MAKE, QUICK-BREAK MECHANISM, CORROSION-RESISTANT BEARINGS AND SILVER ALLOY CONTACTS, AMPERE FRAME SIZE AND TRIP RATING SHALL BE INDICATED ON THE HANDLE AND ON THE FRAME. CIRCUIT BREAKERS SHALL BE FULLY RATED, WITH AMPERE RATING MARKED ON HANDLE AND SHALL INDICATE ON/OFF AND TRIPPED POSITIONS. GROUND FAULT INTERRUPTERS SHALL BE INCORPORATED INTO CIRCUIT BREAKERS SHALL BE FULLY RATED AND OF ONE-POLE, BOLT-ON TYPE AND SHALL MEET SHORT-CIRCUIT INTERRUPTING CAPACITY REQUIREMENTS INDICATED ON DRAWINGS.
8. INTERNAL PHASE AND GROUND BUS SHALL BE COPPER.
9. PROVIDE A NEATLY TYPEWRITTEN PANELBOARD SCHEDULE WITH NUMBER OR NAME OF ROOM OR AREA, OR LOAD SERVED BY EACH PANELBOARD CIRCUIT. SCHEDULE SHALL ALSO INDICATE PANEL CIRCUIT DESIGNATION, VOLTAGE AND PHASE, BUILDING AND DISTRIBUTION PANEL OR SWITCHBOARD FROM WHICH IT IS FED. SCHEDULE SHALL BE INSTALLED IN A FRAME UNDER TRANSPARENT PLASTIC ON INSIDE OF EACH PANELBOARD COVER.
10. ALL ELECTRICAL DISCONNECTS SHALL BE HEAVY DUTY AND RATED FOR VOLTAGE AND AMPLACITY OF EQUIPMENT BEING SERVED, UNLESS OTHERWISE INDICATED. DISCONNECTS BASED ON LOADS NOTED. PROVIDE NEMA 3R ENCLOSURES WHERE INSTALLED OUTDOORS OR WHERE SUBJECT TO MOISTURE OR WHERE NOTED ON DRAWINGS.
12. INSTALL ALL ELECTRICAL EQUIPMENT WITH CODE REQUIRED CLEARANCES.

LIGHTING

1. LIGHT FIXTURES MODEL NUMBERS WERE DETERMINED AT THE TIME THIS SPECIFICATION WAS WRITTEN; MODEL NUMBERS MAY NEED TO BE MODIFIED, OR MAY REQUIRE THE ADDITION OR DELETION OF OPTIONS TO FULLY MEET SPECIFICATION REQUIREMENTS.
2. DESIGN OF LIGHTING FIXTURES, ACCESSORIES, SUPPORTS, AND METHOD OF FIXTURE INSTALLATION SHALL COMPLY WITH REQUIREMENTS OF CEILING TYPE WHICH FIXTURE IS INSTALLED.
3. PROVIDE SUSPENSION POINTS AT NO MORE THAN 2 FEET FROM FIXTURE ENDS. SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.
4. PROVIDE ALL NECESSARY COMPONENTS TO INSTALL FIXTURES IN CEILING TYPES BEING INSTALLED. SURFACE MOUNT FIXTURES SHALL BE ATTACHED TO STRUCTURE. TOGGLE BOLTS ARE NOT PERMITTED. PROVIDE BACKING WHERE REQUIRED.
5. COMPONENTS AND FIXTURES SHALL BE LISTED AND APPROVED FOR THE INTENDED APPLICATION BY UNDERWRITER'S LABORATORIES (UL), OR OTHER NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL).
6. LIGHTING FIXTURES SHALL BE THE TYPE INDICATED ON DRAWINGS AND AS SPECIFIED. FIXTURES OF SAME TYPE SHALL BE OF ONE MANUFACTURER.
7. FIXTURES SHALL BE OF THE TYPES AND MANUFACTURERS DESCRIBED IN THE LUMINAIRE SCHEDULE OF THE DRAWINGS, WITH LAMPS, WATTAGE AND VOLTAGE AS INDICATED OR APPROVED EQUAL. SUBMIT TO ENGINEER FOR ANY SUBSTITUTION APPROVALS PRIOR TO PURCHASE AND INSTALLATION.
8. ADJUST FIXTURE SHALL BE HIGH EFFICIENCY, HAVE SUITABLE BALLASTS OR DRIVERS TO MATCH LAMP TYPES, AND BE RATED FOR VOLTAGE BEING SUPPLIED.
9. ALL LAMPS SHALL BE AS NOTED ON DRAWINGS. PROVIDE LAMPS FOR ALL FIXTURES AS NOTED.
10. WHERE EMERGENCY BATTERY PACKS ARE INSTALLED, PROVIDE CONSTANT HOT FOR EMERGENCY FIXTURES. UNLESS NOTED OTHERWISE, WHEN POWERING UNIT INVERTER POWER PACKS, USE THE SAME CIRCUIT THAT POWERS THE SWITCHED BALLAST TO POWER THE INVERTER.
11. WHERE EMERGENCY BALLAST(S) ARE SPECIFIED WITHIN THE FIXTURE, PROVIDE CONSTANT HOT FOR THE BALLAST(S). NONEMERGENCY BALLASTS WITHIN THE SAME FIXTURE SHALL BE SWITCHED AS INDICATED, UNLESS NOTED OTHERWISE.
12. CHECK AND ADJUST FIXTURES FOR REQUIRED ILLUMINATION. REPLACE DEFECTIVE LAMPS AND BALLASTS. TEST AND ADJUST LIGHTING CONTROL EQUIPMENT FOR PROPER OPERATION.

COMMUNICATIONS

1. COMMUNICATIONS DEVICES AND SYSTEMS SHALL BE ROUGH-IN ONLY, WITH 4" SQUARE DEEP BOX WITH APPROPRIATE EXTENSION RING. STUB (1) 3/4" MINIMUM CONDUIT FOR DATA/TEL DEVICES TO ABOVE CEILING UNLESS NOTED OTHERWISE.
2. ALL COMMUNICATIONS CONDUITS SHALL BE TERMINATED WITH PLASTIC BUSHING ON ENDS OF CONDUITS.
3. PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.
4. INSTALL CONDUITS BELOW GRADE AS NOTED ON PLANS FROM EDGE OF BUILDING TO THE TELECOM BACKBOARD. STUB UP AT BASE OF BACKBOARD, UNLESS NOTED OTHERWISE ON PROJECT DETAILS.
5. PROVIDE AND INSTALL GROUNDING BUSHING WITH GROUND WIRE AS NOTED BACK TO SERVICE ENTRANCE GROUND.

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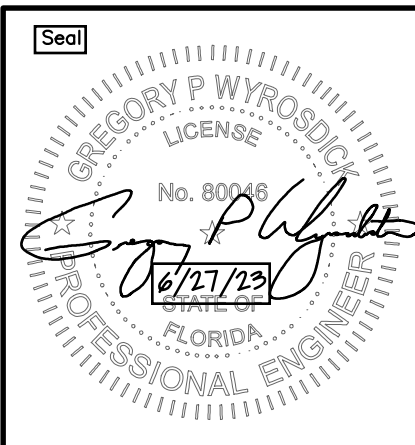
Project Name and Address

EAGLE SPRINGS GOLF
COURSE MAINT. BUILDING
WALTON COUNTY, FLORIDA

Sheet Title

ELECTRICAL GENERAL NOTES & SPECIFICATIONS

No.	Date	Revision



Project No.	23-SM-03
Date	06/27/2023
Drawn By	WH
Checked By	GPW
Scale	AS SHOWN

Drawing No.

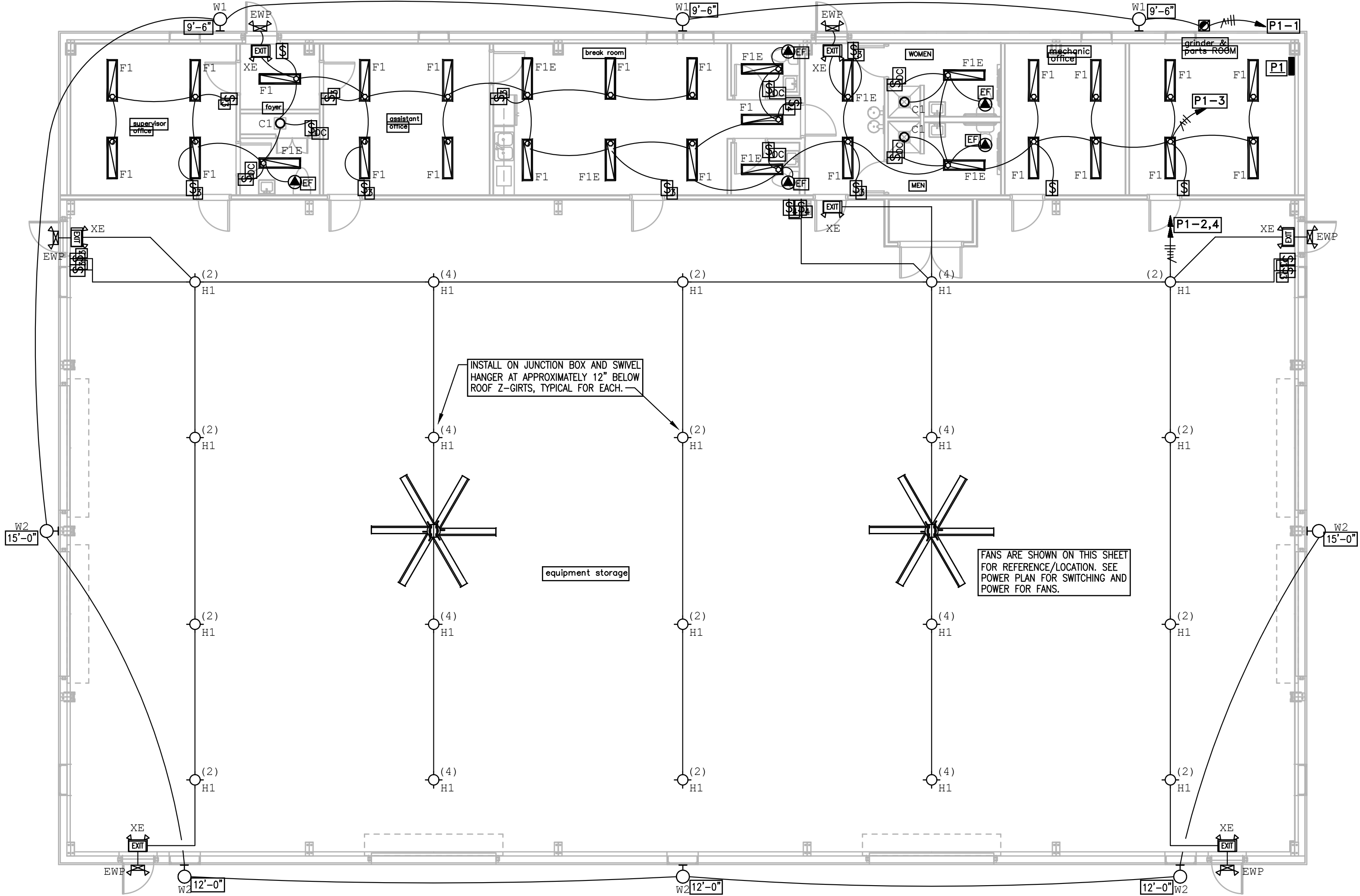
E101

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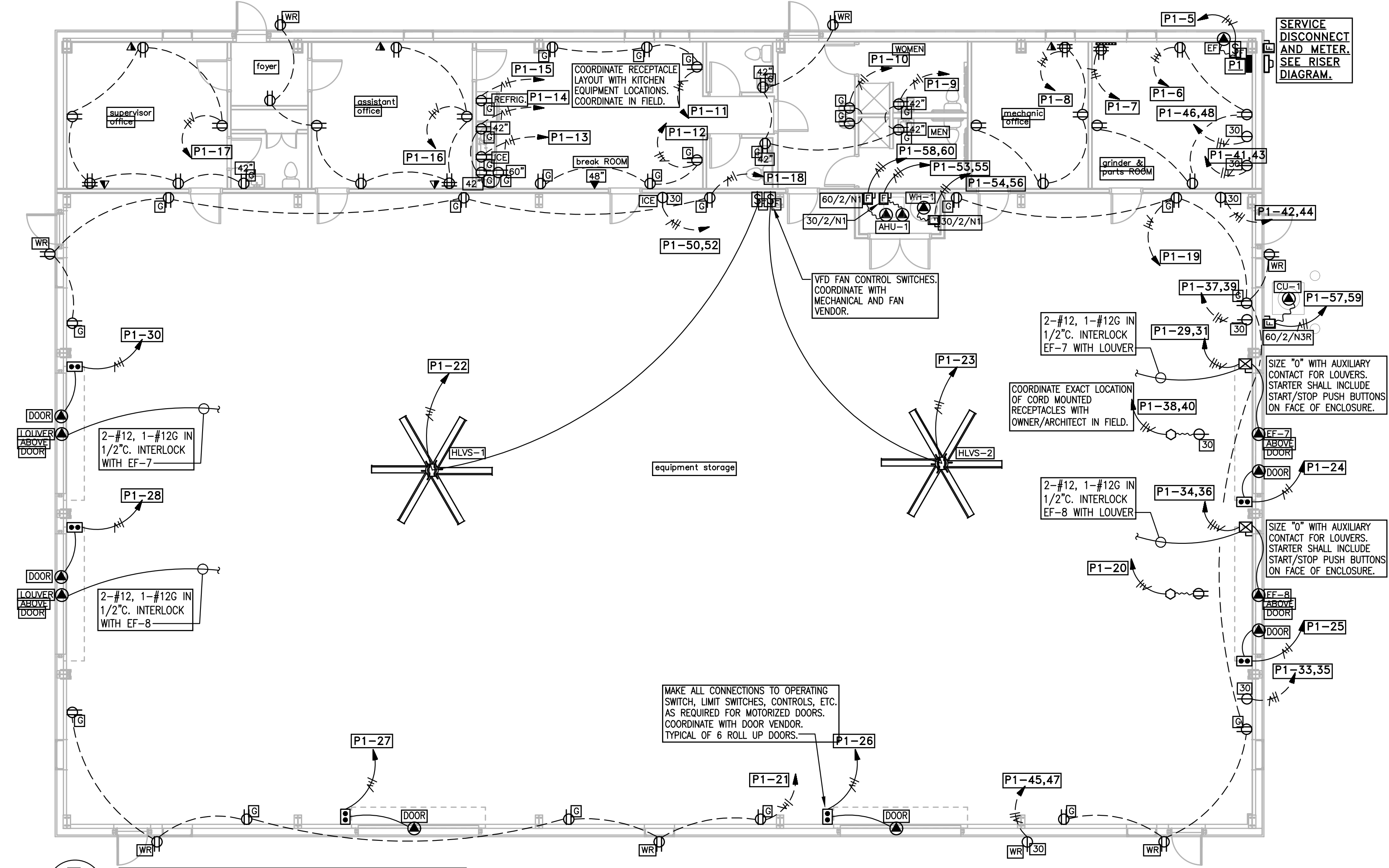
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ELECTRICAL CONSULTANTS
14116 CUSTOMS BOULEVARD, SUITE #111
GULFPORT, MISSISSIPPI 39503

228.822.8000



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



2 POWER AND COMMUNICATIONS PLAN
SCALE: 1/8" = 1'-0"

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WELCON
ELECTRICAL CONSULTANTS
14116 CUSTOMS BOULEVARD, SUITE #111
GULFPORT, MISSISSIPPI 39503
228.822.8000

Project Name and Address
**EAGLE SPRINGS GOLF
COURSE MAINT. BUILDING
WALTON COUNTY, FLORIDA**

Sheet Title
ELECTRICAL PLANS

No.	Date	Revision

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No. 80046
6/27/22
FLORIDA
PROFESSIONAL ENGINEER

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Checked By	GPW
Scale	AS SHOWN

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E102
3 of 3 Sheets