

CONCEPTUAL RENDERING: RENDERING MAY NOT ACCURATELY REFLECT CONSTRUCTION DOCUMENTS - NOT FOR CONSTRUCTION

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CIVIL

LANDSCAPE

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PROJECT INFORMATION

ADDRESS	2 CLARINDA LN
CITY, STATE ZIP	PENSACOLA, FLORIDA, 32505
PROJECT NO.	2613
STATUS	BID PACKAGE #2 - NOT FOR CONSTRUCTION
DATE	10/22/2026
OWNER ID	DESIGN & CONSTRUCTION ADMINISTRATION DIVISION ESCAMBIA COUNTY, FLORIDA 100. E BLOUNT STREET PENSACOLA, FL

STRUCTURAL CALLOUTS

NORTH ARROW (PLAN NORTH)

SECTION CALLOUT

PLAN DETAIL CALLOUT

REVISION CLOUD & DELTA

SPOT ELEVATION

COLUMN / PIER CALLOUT

STRUCTURAL PLANS

STRUCTURAL GRID

FACE OF ARCH FINISH (MATL VARIES)

MECHANICAL EQUIPMENT

REINFORCED CONCRETE

STRUCTURAL CONCRETE WALL OR COLUMN IN SECTION

PIERS AND GRADE BEAM FOUNDATION (STRAIGHT OR BELL)

FOOTING AND GRADE BEAM FOUNDATION (SPREAD OR CONT)

STRUCTURAL STEEL FRAMING

STRUCTURAL COLUMNS TUBE, PIPE OR WIDE FLANGE

SPLICE FOR STEEL BEAM DROP-IN-SYSTEM

STEEL FRAMING - PURLIN BEAM OR GIRDER

STEEL BEAM OR GIRDER w/ NO OF HS AND CAMBER

MOMENT CONNECTION

STEEL BAR JOIST

BRACE FRAME DESIGNATION

FLOOR/ROOF DECK SPAN DIRECTION

ZONE FOR METAL DECK SPECIAL WELDING PATTERNS

SLAB/ROOF DECK OPENING

GRATING SYSTEM

FLOOR DRAIN

CMU WALLS

CMU WALL

STRUCTURAL ABBREVIATIONS

ABOVE FINISH FLOOR	AFF	KIPS (1000 LBS.)	K
ADDITIONAL	ADDL	KIP PER LINEAR FOOT	KLF
AMERICAN INSTITUTE OF STEEL CONSTRUCTION	AISC	KIP PER SQUARE FOOT	KSF
AMERICAN WELDING SOCIETY	AWS	KNOCKOUT PANEL	K/O
ANCHOR BOLT	AB	PANEL	
AMERICAN CONC. INSTITUTE	ACI	LIGHT WEIGHT	LT WT
APPROXIMATE	APPROX	LIVE LOAD	LL
ARCHITECT	ARCH	LONGITUDINAL	LONG
ARCHITECTURAL	ARCH	LONG LEG BACK TO BACK	LLBB
AREA DRAIN	AD	LONG LEG HORIZONTAL	LLH
AIR CONDITIONER	A/C	LONG LEG VERTICAL	LLV
AIR HANDLING UNIT	AHU	LOW	LO
AT	@		
		MANUFACTURER	MFR
BASEMENT	BSMT	MASONRY	MAS
BASE PLATE	B PL	MATERIAL	MATL
BEAM	BM	MAXIMUM	MAX
BEARING	BRG	MECHANICAL	MECH
BELOW FINISH FLOOR	BFF	METAL	MTL
BETWEEN	BTWN	MEZZANINE	MEZZ
BLOCK	BLK	MIDDLE	MID
BLOCKING	BLKG	MINIMUM	MIN
BOTTOM	BOT	MISCELLANEOUS	MISC
BRICK LEDGE	BL	MOMENT CONNECTION	MC
BRIDGING	BRDG		
BUILDING	BLDG	NEAR SIDE	NS
BUILDING LINE	BLDG LINE	NOMINAL	NOM
		NORMAL WEIGHT	N WT
CANTILEVER	CANT	NOT APPLICABLE	NA
CAST-IN-PLACE	CIP	NOT IN CONTRACT	NIC
CEILING	CLG	NOT TO SCALE	NTS
CENTER LINE	CL	NUMBER	NO. #
CLEAR	CLR		
COLUMN	COL	ON CENTER	OC
COLD FORMED METAL COMPRESSION, COMPRESSIBLE	CFM COMP	OPENING OPPOSITE OPPOSITE HAND	OPNG OPP OH
CONCRETE	CONC	ORIGINAL	ORIG
CONCRETE MASONRY UNIT	CMU	OUTSIDE FACE	OF
CONNECTION	CONNX	OUTSIDE DIAMETER	DD
CONTINUOUS	CONT		
CONSTRUCTION	CONSTR	PARALLEL	PARAL
CONSTRUCTION JOINT	CJ	PAVEMENT	PVMT
CONTRACTOR	CONTR	PERIMETER	PERIM
COORDINATE	COORD	PERPENDICULAR PLATE	PERP PL
DEGREE	DEG	POST-TENSION	PT
DETAIL	DTL	POUNDS	LBS
DEAD LOAD	DL	POUNDS PER CUBIC FOOT	PCF
DIAGONAL	DIAG	POUNDS PER SQUARE INCH	PSI
DIAMETER	DIA	PRECAST CONCRETE	PC
DIMENSION	DIM	COMPRESSIBLE JOINT FILLER	CJF
DRAWING	DWG	PROJECTION	PROJ
DOUBLE	DBL		
DOUBLE ANGLE	2L	QUANTITY	QTY
DOWEL	DWL		
DOWN	DN	RADIUS	R
		RECOMMENDATIONS	REC
EACH	EA	REFER/REFERENCE	REF
EACH FACE	EF	REINFORCED	
EACH WAY	EW	CONCRETE PIPE	RCP
ELEVATOR	ELEV	REINFORCED, REINFORCING	REINF
EMBEDMENT	EMBED	REQUIRED	REQD
ENGINEER	ENG	REQUIREMENT	REQT
EQUAL	EQ	ROOF DRAIN	RD
EQUIPMENT	EQUIP	ROOF TOP UNIT	RTU
EXHAUST FAN	EXF		
EXISTING	EXIST (E)	SCHEDULE	SCHED
EXPANSION JOINT	EJ	SECTION	SECT
EXTERIOR	EXT	SHEET	SHT
		SHORT LEG BACK TO BACK	SLBB
FABRICATOR, FABRICATE	FAB	SIMILAR	SIM
FACE OF	FO	SLAB ON GRADE	SOG
FACE TO FACE	F TO F	SPACE	SP
FAR SIDE	FS	SPECIFICATION	SPEC
FINISHED FLOOR	FIN FLR	SQUARE	SQ
FLOOR	FLR	SQUARE FOOT/FEET	SF
FLOOR DRAIN	FD	STAINLESS STEEL	SS
FOOT	FT	STANDARD	STD
FOOTING	FTG	STEEL	STL
FOUNDATION	FDN	STEEL STUD MFR. ASSOC.	SSMA
FRAME	FRM	STIFFENER	STIFF
		STRAIGHT	STR
GAGE OR GAUGE	GA	STIRRUPS	STIRR
GALVANIZED	GALV	STRUCTURAL	STRUCT
GENERAL	GEN	SUPPORT	SUPT
GENERAL CONTRACTOR	GC	SYMMETRICAL	SYM
GIRDER TRUSS	GT		
GRADER BEAM	GB	TEMPERATURE	TEMP
		THICK	THK
HEADED STUDS	HS	THREADED ROD	TH RD
HEIGHT	HT	TONGUE AND GROOVE	T&G
HIGH	HI	TOP AND BOTTOM	T&B
HIGH AND LOW	HI & LO	TOP OF	T/O
HORIZONTAL	HORIZ	TOTAL LOAD	TL
		TRANSVERSE	TRANS
INCH	IN	TYPICAL	TYP
INFORMATION	INFO		
INSIDE DIAMETER	ID	UNLESS NOTED OTHERWISE	UNO
INSIDE FACE	IF	VERTICAL	VERT
INTERIOR	INT		
INTERMEDIATE	INTERM	WATERSTOP	WS
		WEIGHT	WT
JOINT	JT	WELDER WIRE FABRIC	WWF
JOIST	JST	WIDE FLANGE BEAM	WF
		WITH	W/
		WITHOUT	W/O
		WORK POINT	WP

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Revisions

PROJECT NO. 2613
STATUS BID PACKAGE #2 - NOT FOR CONSTRUCTION
DATE 10/22/2026
DRAWN BY RLG

STRUCTURAL ABBREVIATIONS AND LEGEND **S000**

PREMANUFACTURED CANOPY NOTES

1. SEE PREFABRICATED CANOPY MANUFACTURER'S DRAWINGS FOR FOUNDATIONS, BASE PLATES & A.B., COLUMN, ROOF METAL DECK, PURLINS, AND FRAMING.

2. THE GENERAL CONTRACTOR SHALL PROVIDE AND SET ANCHOR BOLTS AND EMBED PLATES AS PER PREFABRICATED CANOPY MANUFACTURER'S DRAWINGS.

3. THE CONTRACTOR SHALL COMPARE STRUCTURAL DRAWINGS WITH PREFABRICATED CANOPY MANUFACTURER'S DRAWINGS AND REPORT ANY DISCREPANCY TO THE ENGINEER PRIOR TO FABRICATION OR INSTALLATION OF STRUCTURAL MEMBERS.

4. PREMANUFACTURED CANOPY SHOP DRAWINGS (PLANS, DETAILS, CALCULATIONS) SHALL BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER, IN THE STATE OF THE PROJECT.

5. METAL BUILDING DESIGN LOADS SHALL BE AS FOLLOWS:

   A. WIND: SEE GENERAL NOTES
   LATERAL DEFLECTION LIMIT H/240

   B. GRAVITY: ROOF LIVE LOAD: 20 psf REDUCIBLE PER CODE
   ROOF DEAD LOAD: STRUCTURE WEIGHT + 5 psf COLLATERAL + MECHANICAL UNITS AS SHOWN.
   DEFLECTION LIMITS: LL = L/360
   TOTAL = L/240

SUBGRADE PREPARATION

1. ALL SUBGRADE SHALL BE PREPARED IN STRICT CONFORMANCE TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. REFER TO THE GEOTECHNICAL REPORT, SUPPLEMENTARY LETTERS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

   THE SUBGRADE SHALL BE IMPROVED TO REDUCE THE POTENTIAL FOR SUBGRADE MOVEMENT TO LESS THAN OF ONE INCH TOTAL SETTLEMENT & 1/2 INCH OF DIFFERENTIAL SETTLEMENT BY RE-COMPACTING IN-SITU SOIL AS APPROVED BY GEOTECH ENGINEER.

   THE FOLLOWING IS A SUMMARY OF THE INFORMATION CONTAINED IN THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS:

   A. THE BUILDING EXCAVATION AREA SHALL EXTEND BEYOND THE BUILDING LINE A MINIMUM OF 5 FEET IN GENERAL, AT ALL ENTRANCES AND AT AREAS WITH SIDEWALKS/PAVING DIRECTLY ADJACENT TO THE BUILDING.
   B. WITHIN THE BUILDING AREA, EXCAVATE AND REMOVE ALL FILL MATERIAL. REFER TO THE GEOTECHNICAL REPORT FOR APPROXIMATE DEPTHS OF FILL. THE TESTING LAB SHALL DETERMINE THROUGH FIELD OBSERVATION AND TESTING THAT ALL UNACCEPTABLE FILLS HAVE BEEN REMOVED.
   C. WITHIN THE BUILDING AREA, RE-COMPACT NATIVE SOIL OR IMPORTED FILL AS REQUIRED TO PROVIDE A COMPACTED MATERIAL BENEATH BUILDING AREA. FOOTING THAT HAVE A WIDTH GREATER THAN 3FT IN WIDTH WILL REQUIRE ADDITIONAL 2FT OF SOIL COMPACTION BENEATH FOOTING.
   D. SCARIFY EXPOSED NATIVE SOILS TO A DEPTH OF 12 INCHES FOR FOOTING LESS THAN 3FT IN WIDTH AND RECOMPACT TO A MINIMUM OF 95% OF MODIFIED PROCTOR (ASTM D1557) AT A MINIMUM OF +2 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT FOR THE SOIL AS DIRECTED IN THE GEOTECHNICAL REPORT.
   K. SELECT FILL SHALL CONSIST OF A SLIGHTLY SILTY SAND OR SILTY/CLAYEY SAND. ALL SELECT FILL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER.
   L. SPREAD THE SELECT FILL IN THIN LOOSE LIFTS NOT EXCEEDING 10 TO 12 INCHES THICK FOR SLIGHTLY SILTY SAND OR LIFTS NOT EXCEEDING 6 TO 8 INCHES THICK FOR SILTY/CLAYEY SAND AND UNIFORMLY COMPACT TO A MINIMUM OF 95% OF ASTM D1557 WITHIN +2 OR –2 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT FOR THE SOIL AS RECOMMENDED IN THE GEOTECHNICAL REPORT.
   M. PLACE FIRST LIFT OF SELECT FILL WET OF OPTIMUM TO PREVENT DRYING OF THE UNDERLYING SUBGRADE.
   N. PROTECT FILL TO PREVENT DESICCATION PRIOR TO PLACING A SUBSEQUENT LIFT.

2. CONTACT THE GEOTECHNICAL ENGINEER FOR ANY QUESTIONS REGARDING INTERPRETATION OR CLARIFICATION OF THE ABOVE INFORMATION.

3. FOUNDATION AND SUBGRADE PREPARATION SHALL BE MONITORED AND TESTED BY THE SOILS ENGINEER. REFER TO SPECIFICATIONS FOR QUALITY CONTROL REQUIREMENTS.

POST-INSTALLED ANCHOR NOTES

1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER-OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REINFORCING OR POST-TENSIONING.

2. SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE SPECIFIED BELOW, SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER-OF-RECORD ALONG WITH CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE.

3. POST-INSTALLED ANCHORS INCLUDE EXPANSION ANCHORS, UNDERCUT ANCHORS AND ADHESIVE ANCHORS. ADHESIVE ANCHORS SHALL CONSIST OF A STRUCTURAL ADHESIVE AND STEEL INSERT. STEEL INSERTS SHALL BE EITHER ASTM F1554, GRADE 36 THREADED ROD OR ASTM A615, GRADE 60 REINFORCING STEEL UNLESS NOTED OTHERWISE ON THE DRAWINGS. PROVIDE, STORE AND INSTALL PRODUCTS IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

4. EXPANSION ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193. EXPANSION ANCHORS SHALL BE EITHER HILTI KWIK BOLT TZ ANCHORS OR SIMPSON STRONG-TIE STRONG-BOLT 2 ANCHORS, UNLESS NOTED OTHERWISE ON DRAWINGS. EXPANSION ANCHORS SHALL BE 3/4" DIAMETER WITH 4 3/4" EMBEDMENT UNLESS NOTED OTHERWISE ON THE DRAWINGS.

5. EXPANSION ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01. EXPANSION ANCHORS IN CMU SHALL BE EITHER HILTI KWIK BOLT 3 ANCHORS OR SIMPSON STRONG-TIE WEDGE-ALL ANCHORS.

6. UNDERCUT ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC308. UNDERCUT ANCHORS SHALL BE EITHER HILTI HDA ANCHORS OR SIMPSON STRONG-TIE TORQ-CUT ANCHORS, UNLESS NOTED OTHERWISE ON DRAWINGS.

7. STRUCTURAL ADHESIVES FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308. STRUCTURAL ADHESIVES SHALL BE HILTI HIT-RE 500-SD EPOXY, HILTI HIT-HY 200 ADHESIVE, SIMPSON STRONG-TIE SET-XP ADHESIVE OR SIMPSON STRONG-TIE AT-XP ADHESIVE UNLESS NOTED OTHERWISE ON THE DRAWINGS. REFER TO DRAWINGS FOR SIZE AND EMBEDMENT REQUIREMENTS. ALL THREADED RODS USED IN EXTERIOR EXPOSURES SHALL BE GALVANIZED.

8. THE FOLLOWING PARAMETERS HAVE BEEN USED IN THE DESIGN OF ALL ADHESIVE ANCHORS UNLESS NOTED OTHERWISE ON THE DRAWINGS:

   A. MINIMUM AGE OF CONCRETE – 28 DAYS
   B. CONCRETE TEMPERATURE RANGE FOR ANCHORS NOT EXPOSED TO THE ENVIRONMENT – MAXIMUM SHORT TERM TEMPERATURE OF 104°F; MAXIMUM LONG TERM TEMPERATURE OF 75°F.
   C. CONCRETE TEMPERATURE RANGE FOR ANCHORS EXPOSED TO THE ENVIRONMENT – MAXIMUM SHORT TERM TEMPERATURE OF 150°F; MAXIMUM LONG TERM TEMPERATURE OF 110°F.
   D. MOISTURE CONDITION OF CONCRETE AT THE TIME OF INSTALLATION – DRY CONCRETE
   E. HOLE DRILLING AND PREPARATION – PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS

9. ANCHOR CAPACITY IS DEPENDANT UPON THE SPACING BETWEEN ADJACENT ANCHORS AND THE PROXIMITY OF ANCHORS TO THE EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH THE SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.

10. PRIOR TO PLACEMENT, THE CONTRACTOR SHALL HAVE THE MANUFACTURER'S TECHNICAL REPRESENTATIVE VISIT THE SITE TO INSTRUCT THE CONSTRUCTION TEAM AND TESTING LAB ON PROPER STORAGE AND INSTALLATION TECHNIQUES. THE CONTRACTOR SHALL PROVIDE A LETTER FROM THE MANUFACTURER'S REPRESENTATIVE STATING THAT SUCH A VISIT WAS CONDUCTED.

11. ALL EXPANSION ANCHORS SHALL BE INSPECTED BY AN INDEPENDENT TESTING LAB FOR THE FOLLOWING:

    A. CORRECT LOCATION AND POSITION OF HOLE.
    B. CORRECT HOLE DIAMETER
    C. CORRECT EMBEDMENT DEPTH.
    D. CORRECT BOLT TYPE AND FINISH.
    E. CONDITION OF HOLE IN CONNECTION MATERIAL (NO BURNING OF HOLES ALLOWED).
    F. SNUG TIGHT FIT.

12. ADHESIVE ANCHORS SHALL BE INSPECTED AND TESTED BY AN INDEPENDENT TESTING LAB AS FOLLOWS:

    ALL ANCHORS SHALL BE INSPECTED FOR THE FOLLOWING:

    A. CORRECT LOCATION AND POSITION OF HOLE.
    B. CORRECT THREADED ROD OR REINFORCING BAR SIZE.
    C. CORRECT THREADED ROD OR REINFORCING BAR TYPE AND FINISH.
    D. CONDITION OF HOLE IN CONNECTION MATERIAL (NO BURNING OF HOLES ALLOWED).
    E. SNUG TIGHT FIT.
    F. CORRECT EMBEDMENT DEPTH.
    G. HOLE PREPARATION (INCLUDING DRILL BIT TYPE WHERE CRITICAL TO MANUFACTURER) AND CLEANOUTS PER MANUFACTURER'S RECOMMENDATIONS.
    H. ADHESIVE TYPE, EXPIRATION DATE AND METHOD OF STORAGE.
    I. ADHESIVE AND ANCHOR INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS.
    J. 10% OF EACH TYPE AND SIZE OF ANCHOR SHALL BE PROOF LOADED PER THE MANUFACTURER'S RECOMMENDATIONS. IF 10% OF THE TESTED ANCHORS FAIL TO ACHIEVE THE SPECIFIED PROOF LOAD, ALL ANCHORS OF THE SAME DIAMETER AND TYPE SHALL BE TESTED.

13. THE TESTING LAB SHALL PREPARE AN INSPECTION REPORT SPECIFICALLY INDICATING DEGREE OF CONFORMANCE IN ALL CATEGORIES LISTED ABOVE.

CONCRETE NOTES

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318- PER GOVERNING BUILDING CODE.

2. CONCRETE IN THE FOLLOWING AREAS SHALL HAVE SAND AND GRAVEL OR CRUSHED STONE AGGREGATES AND THE DESIGNATED COMPRESSIVE STRENGTH IN 28 DAYS UNLESS NOTED OTHERWISE. NORMAL WEIGHT AGGREGATES SHALL CONFORM TO ASTM C33.

   FOOTING ---------- f'_c = 4,000 psi
   ALL OTHER CONCRETE ---------- f'_c = 4,000 psi

3. CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE AS FOLLOWS:
   REFER TO ACI 318 - SECTION 7.7 FOR CONDITIONS NOT NOTED.

   FOOTINGS ---------- 3"
   WALL ---------- 2"

4. MAXIMUM NOMINAL COARSE AGGREGATE SIZE SHALL BE 1 1/2" MAX FOR PIERS AND 1" MAX TYPICAL UNLESS NOTED OTHERWISE.

5. CONCRETE SLUMPS SHALL BE AS FOLLOWS:

   CONCRETE CONTAINING HRWR------ 10" MAX
   ALL OTHER CONCRETE ---------- 5" MAX, 2" MIN

6. CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED AS FOLLOWS:

3/4"	NOMINAL AGGREGATE SIZE	4% TO 8%
1"	NOMINAL AGGREGATE SIZE	3.5% TO 6.5%
1 1/2"	NOMINAL AGGREGATE SIZE	3% TO 6%

7. ALL CAST IN PLACE WALLS AND CONTINUOUS FOOTINGS SHALL BE FORMED ON SIDES. ALL ELEMENTS OF THE FORMS, FORMWORK, BRACING AND SHORING SHALL CONSIST OF WOOD, METAL OR OTHER MANUFACTURED PRODUCTS AS SPECIFIED. EARTH MAY NOT BE USED AS A FORM, EITHER DIRECTLY OR INDIRECTLY. NEITHER EARTH TRENCHES NOR EARTH TRENCHES LINED WITH ANOTHER MATERIAL ARE ACCEPTABLE.

8. THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS. ALL CONSTRUCTION JOINTS SHALL BE MADE IN THE CENTER OF SPANS WITH VERTICAL BULK HEADS. THE LOCATION OF CONSTRUCTION JOINTS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER.

9. UNLESS OTHERWISE NOTED OR DETAILED, PROVIDE (2)#5, (1) EACH FACE AROUND UNFRAMED OPENINGS IN CONCRETE WALLS AND GRADE BEAMS. PLACE BARS PARALLEL TO SIDES OF OPENINGS AND EXTEND 24 INCHES BEYOND CORNERS.

10. PROVIDE EQUIPMENT BASES AND SUPPORTS AS REQUIRED, COMPLYING WITH APPROVED MANUFACTURERS CERTIFIED SHOP DRAWINGS AND DETAILS.

11. SIZE AND LOCATION OF BASES AND EMBEDDED ANCHORS FOR EQUIPMENT SHALL BE COORDINATED WITH EQUIPMENT SUPPLIER AND ALL BE IN ACCORDANCE WITH APPROVED SHOP DRAWINGS.

12. NO ALUMINUM OF ANY TYPE SHALL BE ALLOWED IN THE CONCRETE WORK, UNLESS COATED AND APPROVED BY THE ENGINEER OR RECORD.

DEFERRED SUBMITTALS NOTES

1. DEFERRED SUBMITTALS ARE PORTIONS OF THE OVERALL DESIGN WHICH ARE NOT SUBMITTED AT TIME OF PERMIT APPLICATION AND ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL.

2. DEFERRED SUBMITTALS WILL BE REVIEWED FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. SUBMITTAL REVIEW WILL NOT BE CONDUCTED FOR THE PURPOSE OF DETERMINING THE ACCURACY AND COMPLETENESS OF OTHER DETAILED INFORMATION SUCH AS DIMENSIONS AND QUANTITIES, OR FOR SUBSTANTIATING INSTRUCTIONS FOR INSTALLATION OR SYSTEMS DESIGNED BY THE CONTRACTOR WHICH REMAINS THE RESPONSIBILITY OF THE CONTRACTOR.

   REVIEW SHALL NOT CONSTITUTE APPROVAL OF SAFETY PRECAUTIONS OR OF ANY CONSTRUCTION MEANS, METHODS, SEQUENCES OR PROCEDURES.

   APPROVAL OF A SPECIFIC ITEM SHALL NOT INDICATE APPROVAL OF AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT.

3. FOLLOWING DEFERRED SUBMITTALS ARE TO BE PROVIDED FOR REVIEW:
   A. CONCRETE FORMWORK / RETENTION SYSTEMS
   B. PRE-ENGINEERED CANOPIES

   SUPPLIER'S ENGINEERS SHALL PROVIDE SIGNED AND SEALED CALCULATIONS WITH THE SUBMITTAL FOR REVIEW.

   REVIEW WILL BE LIMITED TO CONFORMANCE WITH DESIGN AND PERFORMANCE CRITERIA SPECIFIED IN THE CONSTRUCTION DOCUMENTS AND THE INTERFACE BETWEEN THESE ITEMS/SYSTEMS AND THE BUILDING STRUCTURE. THE MANUFACTURER/SUPPLIER AND ITS SPECIALTY STRUCTURAL ENGINEER REMAIN RESPONSIBLE FOR THE DESIGN OF THE ITEMS/SYSTEM WILL RETAIN ALL RIGHTS AND RESPONSIBILITIES FOR THE DESIGN OF THE PRODUCT AND THE CONNECTIONS TO THE BUILDING STRUCTURE.

   NO WORK ON STRUCTURAL ELEMENTS SUPPORTING OR RELATED TO THESE ITEMS IS TO PROCEED UNLESS THE REVIEW STAMP CLEARLY INDICATES "REVIEWED" OR "REVIEWED, SEE COMMENTS" BY THE ENGINEER.

4. FOLLOWING SHOP DRAWINGS ARE TO BE PROVIDED FOR APPROVAL:
   A. CONCRETE MIXES
   B. REINFORCING STEEL

   SHOP DRAWINGS ARE TO BE DISTRIBUTED ONLY FROM RETURNED SUBMITTALS BEARING AN INITIALED REVIEW STAMP AND WORK ON THESE ITEMS SHALL NOT PROCEED UNLESS THE STAMP CLEARLY INDICATES THE DRAWINGS ARE "APPROVED" OR "APPROVED AS NOTED."

5. CONCRETE IS A MATERIAL DESIGNED BY THE SUPPLIER TO MEET THE STRENGTH AND PERFORMANCE CRITERIA SPECIFIED IN THE CONTRACT DOCUMENTS. CONCRETE MIX DESIGNS SHALL BE IN CONFORMANCE WITH ACI 318. SUBMIT MIX DESIGNS AND THE TESTING LAB REVIEW TO THE ARCHITECT/ENGINEER FOR REVIEW.

   MANY VARIABLES, INCLUDING ENVIRONMENTAL CONDITIONS AFFECT THE QUALITY OF CONCRETE. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING VARIABLES AND REQUESTING MIX MODIFICATIONS AND SHALL BE SOLELY RESPONSIBLE FOR THE QUALITY OF CONCRETE DELIVERED AND PLACED ON THE SITE.

6. BEFORE SUBMISSION FOR REVIEW, GENERAL CONTRACTOR SHALL PRE-CHECK SUBMITTALS. SUBMITTALS MUST BEAR AN INITIALED REVIEW STAMP OF THE GENERAL CONTRACTOR. SUBMITTALS WITHOUT REVIEW STAMPS WILL BE RETURNED WITHOUT REVIEW AND SHALL NOT BE CAUSE FOR CLAIMS OF DELAY.

7. SCHEDULE SUBMITTALS SUFFICIENTLY IN ADVANCE OF THE DATE REQUIRED TO ALLOW REASONABLE TIME FOR PROCESSING AND REVIEW BY THE DESIGN TEAM. THIS SHALL INCLUDE A MINIMUM OF TEN WORKING DAYS FOR ENGINEER'S PROCESSING AND REVIEW. INCLUDE TIME FOR CONTRACTOR'S RESUBMISSION AND SUBSEQUENT REVIEW IF NECESSARY.

   SHORTER REVIEW PERIODS WILL ONLY BE HONORED WITH PRIOR WRITTEN CONSENT. THESE ACCELERATED SERVICES, AND APPROPRIATE COMPENSATION, MUST BE NEGOTIATED WITH THE ENGINEER AND ARCHITECT IN ADVANCE.

   TEN DAY REVIEW PERIODS CAN NOT BE HONORED WHEN LARGE QUANTITIES OF SHOP DRAWINGS ARE SUBMITTED AT ONE TIME. WHEN THIS HAPPENS, THE CONTRACTOR SHALL SUBMIT AN ITEMIZED LIST INDICATING PRIORITIES AND REASONABLE RETURN DATES.

   REVIEW OF RESUBMITTALS WILL BE LIMITED TO ONLY EARLIER COMMENTS AND IS NOT AN EXTENSIVE REVIEW.

8. USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS, INCLUDING THE USE OF ELECTRONIC FILES, BY ANY CONTRACTOR IN LIEU OF THE INDEPENDENT PREPARATION OF SHOP DRAWINGS, SIGNIFIES THEIR ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.

9. STRUCTURAL FRAMING WAS BASED ON PRE-BID MEP EQUIPMENT AND INITIAL ELEVATOR INFORMATION. MODIFICATIONS MAY BE NECESSARY IF DIFFERENT EQUIPMENT IS SELECTED OR IF DIFFERENT CRITERIA ARE REQUIRED. BASED ON THE EXTENT OF THE CHANGES, ADDITIONAL SERVICES FOR STRUCTURAL REDESIGN MAY BE REQUIRED. GENERAL CONTRACTOR SHALL INCLUDE A CONTINGENCY FOR THIS REVISED DESIGN AND CONSTRUCTION WORK. COSTS OF THE DESIGN AND CONSTRUCTION REVISIONS SHALL BE BORNE BY THE CONTRACTOR.

   GENERAL CONTRACTOR TO SUBMIT FINAL WEIGHTS AND CUT-SHEETS FOR REVIEW AND APPROVAL IF EQUIPMENT DIFFERS FROM WHAT IS SHOWN ON THE CONSTRUCTION DOCUMENTS.

GEOTECHNICAL INFORMATION

1. FOUNDATION DESIGN AND SUBSURFACE INFORMATION IS BASED ON GEOTECHNICAL REPORT #26-162 PREPARED FOR THIS PROJECT BY LARRY M JACOBS & ASSOCIATES, INC AND DATED MAY 1, 2026 & EMAIL RESPONSE DATED SEPTEMBER 1, 2026.

2. GEOTECHNICAL ENGINEER OF RECORD (GER) IS SOLELY RESPONSIBLE FOR ESTABLISHING FOUNDATION, SLAB-ON-GRADE AND PAVEMENT DESIGN CRITERIA, AND FOR THE CONSTRUCTION RECOMMENDATIONS FOR EXCAVATION, SUBGRADE PREPARATION, BACKFILLING AND COMPACTION.

3. GEOTECHNICAL INFORMATION INDICATED IN THE STRUCTURAL CONSTRUCTION DOCUMENTS IS INTENDED TO REPLICATE THE RECOMMENDATIONS STATED IN THE GEOTECHNICAL ENGINEERING REPORT. PRESENTATION OF THIS INFORMATION IN THE STRUCTURAL DOCUMENTS DOES NOT DEMONSTRATE, STATE OR IMPLY GEOTECHNICAL EXPERTISE BY THE STRUCTURAL ENGINEER. CONTRACTOR SHALL OBTAIN A COPY OF THE REPORT AND COMPLY WITH THE RECOMMENDATIONS INDICATED THEREIN.

4. IF DISCREPANCIES BETWEEN THE REPORT AND CONSTRUCTION DOCUMENTS ARE DISCOVERED, THE REPORT SHALL GOVERN. ALL CLARIFICATIONS AND INTERPRETATIONS OF THE REPORT SHALL BE MADE BY THE GER AND REPORTED TO THE ARCHITECT FOR COORDINATION WITH THE DESIGN TEAM.

SHALLOW FOUNDATION NOTES

1. BEARING STRATA SHOWN ON THE DETAILS IS NATIVE SOILS. PREPARE FOUNDATION BEARING MATERIAL PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

2. FOUNDATION ALLOWABLE DESIGN SOIL VALUES:

   CONTINUOUS FOOTING BEARING - 1.5ksf *
   ISOLATED FOOTING BEARING - 1.5ksf *
   SOIL SLIDING RESISTANCE (NATIVE SOIL) 0.5

   * IF CONTINUOUS FOOTING OR ISOLATED FOOTING WIDTH EXCESS 3FT IN DIMENSION, THE SOIL BENEATH FOOTING SHALL HAVE ADDITIONAL 2FT OF SOIL COMPACTION PER GEOTECHNICAL REPORT.

   RETAINING WALL DESIGN VALUES
   SOIL DENSITY Ys- 95PCF (VERY LOOSE SLIGHTLY SILTY SAND)
   AT REST Ka- 0.4xYd
   PASSIVE PRESSURE Kp- 2.5XYd

3. ALL FOOTING EXCAVATIONS SHALL BE CLEANED TO REMOVE ALL LOOSE SOIL MATERIAL AND OTHER DEBRIS AND SHOULD NOT BE ALLOWED TO DESICCATE PRIOR TO PLACEMENT OF CONCRETE.

4. CONCRETE FOR FOUNDATIONS SHALL BE FORMED ON THE SIDES (EARTH FORMED FOUNDATIONS WILL NOT BE ALLOWED). PROPERLY PLACE AND COMPACT FILL MATERIAL AROUND SIDES OF FOOTINGS.

5. ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY THE TESTING AGENCY.

REINFORCING STEEL NOTES

1. ALL REINFORCING STEEL SHALL BE NEW DEFORMED BILLET STEEL CONFORMING TO ASTM A615, GRADE 60.

2. DETAILING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE ACI DETAILING MANUAL.

3. REINFORCING BARS MAY BE SPLICED ONLY AS SHOWN ON THE DRAWINGS EXCEPT THAT REINFORCING DESIGNATED AS "CONTINUOUS" MAY BE CONTACT LAP SPLICED WITH TENSION LAP PER ACI 318 CHAPTER 25.

4. FOR CONTINUOUS FOOTING REINFORCING, PER FOOTINGS REINFORCEMENT LAP SPLICES SCHEDULED ON S110.

5. PROVIDE CORNERS BARS OF SAME SIZE AND QUANTITY AS CONTINUOUS TOP AND BOTTOM REINFORCING OF GRADE BEAMS AT ALL GRADE BEAM CORNERS AND INTERSECTIONS.

DESIGN DATA

1. THE DESIGN OF THE STRUCTURE AND PARTS THEREOF IS IN ACCORDANCE WITH THE 8TH EDITION OF FLORIDA BUILDING CODE, AS AMENDED AND ADOPTED BY ESCAMBIA COUNTY.

2. ROOF LIVE LOADS:

AREA	UNIFORM	SPECIAL COMMENTS	LIVE LOAD REDUCTION
ROOF, GENERAL	20 psf	-	YES, PER FBC 1607.14
ROOF, EQUIP LOADS		SEE ROOF PLAN	

3. SNOW LOADS: NOT APPLICABLE PER FBC

4. WIND DESIGN DATA:

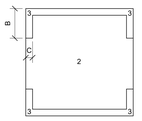
BASIC WIND SPEED (3 SECOND GUST)	156 mph
TORNADO SPEED, V_t	N/A
ASD WIND SPEED V_{asd}	121 mph
EFFECTIVE PLAN AREA	N/A
RISK CATEGORY	II
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	+/- 0.00
COMPONENTS AND CLADDING	PER ASCE 7-22

FACTORED COMPONENTS AND CLADDING WALL LOADS			
	POSITIVE PRESSURE (psf)	NEGATIVE PRESSURE (psf)	
AREA (SQ FT)	INTERIOR & CORNER ZONE	INTERIOR ZONE	CORNER ZONE
LESS THAN 10	47	-52	-47
50	41	-46	-54
200	36	-41	-44
GREATER THAN 500	33	-38	-37

CORNER ZONE IS A DISTANCE OF 3'-0" FROM WALL CORNERS
LINEAR INTERPOLATE FOR LOADS BETWEEN SPECIFIED AREAS

FACTORED COMPONENTS AND CLADDING ROOF LOADS				
	POSITIVE PRESSURE (psf)		NEGATIVE PRESSURE (psf)	
AREA (SQ FT)	ZONE 2	ZONE 3	ZONE 2	ZONE 3
LESS THAN 10	16	16	-119	-166
100	16	16	-92	-111
200	16	16	-83	-94
GREATER THAN 500	16	16	-73	-73

PERIMETER ZONE, "B" IS A DISTANCE OF 17'-6" FROM EDGE OF BUILDING
CORNER ZONE, "C" IS A DISTANCE OF 6'-0" FROM EDGE OF BUILDING
LINEAR INTERPOLATE FOR LOADS BETWEEN SPECIFIED AREAS



ROOF WIND LOAD LAYOUT

5. SEISMIC DESIGN DATA: NOT APPLICABLE PER FBC

6. FLOOD DESIGN DATA:
THIS PROJECT IS NOT LOCATED WITHIN A FLOOD HAZARD AREA

7. SPECIAL LOADS:

AREA	UNIFORM	CONCENTRATED	IMPACT	SECTION OF CODE
VEHICULAR BARRIERS		6.0 ksf		FBC 1607.9
AWNINGS & CANOPIES	20 psf	300 lbs.		FBC 1607.13.4

8. ROOF RAIN LOAD DATA:

RAIN INTENSITY (15-DURATION)	9.12 in/hr
RAIN INTENSITY (60-DURATION)	4.9 in/hr

GENERAL NOTES

1. PROJECT SPECIFICATIONS ARE A PART OF THE CONTRACT DOCUMENTS. CONTRACTOR SHALL REVIEW THE SPECIFICATIONS AND NOTIFY ARCHITECT OF DISCREPANCIES BEFORE PROCEEDING WITH WORK.

2. STRUCTURAL DRAWINGS ARE AN INTEGRAL COMPONENT TO THE CONTRACT DOCUMENTS. CONTRACTOR SHALL REVIEW AND COORDINATE ACCORDINGLY.
   A. PRIOR TO FABRICATION OR INSTALLATION OF STRUCTURAL MEMBERS, CONTRACTOR SHALL COMPARE STRUCTURAL DIMENSIONS AND SECTIONS WITH ARCHITECTURAL DIMENSIONS AND SECTIONS. DISCREPANCIES ARE TO BE REPORTED IN WRITING TO THE ARCHITECT.
   B. PRINCIPAL OPENINGS ARE SHOWN ON THESE DRAWINGS. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR OTHER OPENINGS NOT SHOWN.
   C. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS AND LOCATIONS OF SLAB DEPRESSIONS AND CURBS NOT SHOWN. PROVIDE POSITIVE SLOPE TO ALL DRAINS.
   D. CONTRACTOR SHALL COORDINATE PENETRATIONS, SLEEVES, CURBS, AND INSERTS REQUIRED FOR THE CONTRACT DOCUMENTS.
   E. CONTRACTOR SHALL VERIFY SIZE, WEIGHT, LOCATION, AND SUPPORT CONDITIONS OF MECHANICAL EQUIPMENT SUPPORTED ON OR SUSPENDED FROM THE ROOF OR FLOORS.
   F. CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH ADJACENT STRUCTURES AND UTILITIES.
   G. CONTRACTOR SHALL NOTIFY IN WRITING THE ARCHITECT & ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK.

3. TEMPORARY SHORING AND BRACING DURING CONSTRUCTION
   A. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING OF COMPONENTS DURING CONSTRUCTION TO MEET REGULATORY REQUIREMENTS FOR SAFETY.
   B. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING OF WALLS AND GRADE BEAMS DURING CONSTRUCTION. SHORE WALLS AND GRADE BEAMS DURING THE BACKFILLING AND COMPACTION PROCESS.
   C. CONTRACTOR SHALL PROVIDE NECESSARY TEMPORARY BRACING AND SHORING DURING CONSTRUCTION UNTIL STRUCTURAL FRAMING AND DIAPHRAGMS ARE COMPLETED. TEMPORARY BRACING SHALL BE DESIGNED UNDER THE SUPERVISION OF A LICENSED ENGINEER.

4. SELECTION OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, AND PROCEDURES, AS WELL AS SAFETY PRECAUTIONS AND PROGRAMS, ARE SOLELY THE CONTRACTOR'S RESPONSIBILITIES. AS SUCH, CONSTRUCTION ENGINEERING AND DESIGN RESULTING FROM THESE SELECTIONS IS THE RESPONSIBILITY OF THE CONTRACTOR.
   A. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO, ENGINEERING OF SHORING AND SCAFFOLDING SYSTEMS; LOAD CHECKS AND STRUCTURAL MODIFICATIONS FOR STORAGE, STAGING, AND CONSTRUCTION EQUIPMENT LOADING; MEANS OF EGRESS FOR HEAVY EQUIPMENT; CRANE SELECTION, LOCATION, SUPPORT AND BRACING; TEMPORARY HOISTS, LIFTS AND PLATFORMS.
   B. CONTRACTOR SHALL ENSURE THAT APPROPRIATE ENGINEERING IS PERFORMED BY A LICENSED ENGINEER FOR THE WORK, CONSULTED WITH ON FIELD MODIFICATIONS, SPECIFY APPROPRIATE LEVELS OF INSPECTION OF THE WORK, AND TO REVIEW INSPECTION REPORTS.
   C. CONSTRUCTION ENGINEERING FEES HAVE NOT BEEN INCLUDED IN THE BASE FEE TO THE OWNER/ARCHITECT. IF

INSPECTION OF FABRICATORS

1. WHERE FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES IS BEING CONDUCTED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS OF THE FABRICATED ITEMS SHALL BE PERFORMED DURING FABRICATION.

2. SPECIAL INSPECTIONS DURING FABRICATION ARE NOT REQUIRED WHERE THE FABRICATOR MAINTAINS APPROVED DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND THIS CODE. APPROVAL SHALL BE BASED UPON REVIEW OF FABRICATION AND QUALITY CONTROL PROCEDURES AND PERIODIC INSPECTION OF FABRICATION PRACTICES BY THE BUILDING OFFICIAL.

3. SPECIAL INSPECTIONS DURING FABRICATION ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED AGENCY AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE OWNER OR THE OWNER'S AUTHORIZED AGENT FOR SUBMITTAL TO THE BUILDING OFFICIAL AS SPECIFIED IN SECTION 1704.5 STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS

REQUIRED VERIFICATION AND INSPECTION OF SOILS

1. VERIFICATION OF SOILS AND SPECIAL INSPECTIONS FOR SUBGRADE SHALL BE AS REQUIRED IN THE FOLLOWING TABLE.

2. THE GEOTECHNICAL ENGINEERING REPORT, AND THE CONSTRUCTION DOCUMENTS SHALL BE USED TO DETERMINE COMPLIANCE.

3. REFER TO PROJECT SPECIFICATIONS FOR QUANTITY AND FREQUENCY OF INSPECTIONS AND TESTS.

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	NOT APPLICABLE	REFERENCED STANDARD	FBC REFERENCE	PROJECT SPECIFICATION SECTION
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		X		GEOTECHNICAL ENGINEERING REPORT	1705.6	312303, 3.14
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		X				
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		X				
4. DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS IN ACCORDANCE WITH PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITY AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X					
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		X				

REQUIRED VERIFICATION AND INSPECTION OF THE UNDERSLAB DRAINAGE COURSE

1. VERIFICATION OF SOILS AND SPECIAL INSPECTIONS FOR THE UNDERSLAB DRAINAGE COURSE SHALL BE AS REQUIRED IN THE FOLLOWING TABLE.

2. THE GEOTECHNICAL ENGINEERING REPORT, AND THE APPROVED CONSTRUCTION DOCUMENTS PREPARED BY THE REGISTERED DESIGN PROFESSIONALS, SHALL BE USED TO DETERMINE COMPLIANCE.

3. REFER TO PROJECT SPECIFICATIONS FOR QUANTITY AND FREQUENCY OF INSPECTIONS AND TESTS.

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	NOT APPLICABLE	REFERENCED STANDARD	FBC REFERENCE	PROJECT SPECIFICATION SECTION
1. SITE PREPARATION: PRIOR TO PLACEMENT OF THE DRAINAGE COURSE, THE SPECIAL INSPECTOR SHALL DETERMINE THAT THE SUBGRADE HAS BEEN PREPARED IN ACCORDANCE WITH THE APPROVED SOILS REPORT.		X		GEOTECHNICAL ENGINEERING REPORT	1705.6	312303, 3.14
2. DURING DRAINAGE COURSE PLACEMENT: DURING PLACEMENT AND COMPACTION OF THE DRAINAGE COURSE MATERIAL, THE SPECIAL INSPECTOR SHALL DETERMINE THAT THE MATERIAL BEING PLACED AND COMPACTED, THE LIFT THICKNESS, OVERALL DEPTH OF MATERIAL AND THE USE OF FILTER FABRICS COMPLY WITH THE APPROVED GEOTECHNICAL REPORT.		X				
3. DURING INSTALLATION OF FILTER FABRICS, DRAINAGE MATS AND OTHER GEOTEXTILE FABRICS, THE SPECIAL INSPECTOR SHALL CONFIRM THAT THE MATERIALS AND METHOD OF INSTALLATION COMPLY WITH THE APPROVED GEOTECHNICAL REPORT AND CONSTRUCTION DOCUMENTS.		X				
4. EVALUATION OF IN-PLACE DENSITY: THE SPECIAL INSPECTOR SHALL DETERMINE, AT THE APPROVED FREQUENCY, THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED MATERIAL COMPLIES WITH THE APPROVED REPORT.		X				

REQUIRED SPECIAL INSPECTION AND TESTS OF METAL CANOPY SYSTEMS

1. SPECIAL INSPECTION AND VERIFICATION FOR METAL CANOPY SYSTEMS SHALL BE AS REQUIRED IN THE FOLLOWING TABLE.

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	NOT APPLICABLE	REFERENCED STANDARD	FBC REFERENCE	PROJECT SPECIFICATION SECTION
1. INSTALLATION OF RAFTER/BEAM FLANGE BRACES AND COLUMN FLANGE BRACES.		X			1705.2.6	
2. INSTALLATION OF PURLINS AND GIRTS, INCLUDING SPECIFIED LAPPING.		X				
3. PURLIN AND GIRTS RESTRAINT/BRIDGING/BRACING.		X				
4. INSTALLATION OF X-BRACING, TIGHTEN TO REMOVE ANY SAG.		X				

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

1. SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE CONSTRUCTION SHALL BE AS REQUIRED IN THE FOLLOWING TABLE:

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	NOT APPLICABLE	REFERENCED STANDARD	FBC REFERENCE	PROJECT SPECIFICATION SECTION
1. INSPECT REINFORCEMENT, AND VERIFY PLACEMENT.		X		ACI 318 CH.20, 25.2, 25.3, 26.6.1-26.6.3	-	032000, 3.02
2. REINFORCING BAR WELDING:						
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706		X		AWS D1.4 ACI 318: 26.6.4	-	032000, 3.02
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND		X				
c. INSPECT ALL OTHER WELDS	X					
3. INSPECT ANCHORS CAST IN CONCRETE		X		ACI 318: 17.8.2	-	
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS						
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X			ACI 318:17.8.2.4		
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a		X		ACI 318: 17.8.2		
5. VERIFY USE OF REQUIRED DESIGN MIX		X		ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2	033000, 3.03
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X			ASTM C172, ASTM C31, ACI 318: 26.5, 26.12	-	033000, 3.03
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X			ACI 318: 26.5	1908.6, 1908.7, 1908.8	
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	X			ACI 318: 26.4.7-26.4.9	1908.9	033000, 3.03
9. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.		X		ACI 318: Ch. 26.11.2	-	033000, 3.03; 033816, 3.04
10. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		X		ACI 318:26.10.1(b)	-	031000, 3.05

STATEMENT OF SPECIAL INSPECTIONS

1. INFORMATION ON THIS SHEET IS BEING SUBMITTED IN ACCORDANCE WITH THE SPECIAL INSPECTIONS PROVISIONS OF THE 8TH EDITION OF FLORIDA BUILDING CODE. THIS INFORMATION CONSTITUTES THE SCHEDULE OF SPECIAL INSPECTIONS (SSI) REQUIRED FOR THIS PROJECT.

2. THE OWNER OR THE OWNER'S AUTHORIZED AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED HEREIN.

3. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

4. THE SPECIAL INSPECTOR SHALL FULFILL THE FOLLOWING REPORT REQUIREMENTS:

   a. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS.

   b. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE OWNER, THE GENERAL CONTRACTOR, THE STRUCTURAL ENGINEER, AND THE ARCHITECT. IN ADDITION, REPORTS RELATED TO GEOTECHNICAL ISSUES SHALL BE DISTRIBUTED TO THE GEOTECHNICAL ENGINEER. WHEN TESTS OR INSPECTIONS INDICATE THAT THE WORK DOES NOT COMPLY WITH THE CONSTRUCTION DOCUMENTS, THE SPECIAL INSPECTOR SHALL NOTIFY THE OWNER, CONTRACTOR, ARCHITECT AND STRUCTURAL ENGINEER BY PHONE ON THE DAY OF THE TEST OR INSPECTION AND SHALL FOLLOW THAT CALL WITH AN EXPEDITED WRITTEN REPORT WITHIN ONE BUSINESS DAY. ALL OTHER REPORTS SHALL BE SUBMITTED WITHIN 5 BUSINESS DAYS OF THE EVENT DOCUMENTED.

   c. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN

      CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS

   d. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION.

   e. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE

      ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WITHIN ONE BUSINESS DAY. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED BY THE SPECIAL INSPECTOR AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.

   g. THE SPECIAL INSPECTOR'S FINAL REPORT SHALL IDENTIFY THE FOLLOWING:

      1) THE MATERIALS, SYSTEMS, COMPONENTS, AND WORK REQUIRED TO HAVE SPECIAL INSPECTION OR TESTING BY THE BUILDING OFFICIAL OR BY THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR EACH PORTION OF THE WORK.

      2) THE TYPE AND EXTENT OF EACH SPECIAL INSPECTION.

      3) THE TYPE AND EXTENT OF EACH TEST.

      4) ADDITIONAL REQUIREMENTS FOR SPECIAL INSPECTION OR TESTING FOR SEISMIC OR WIND RESISTANCE AS SPECIFIED IN SECTIONS 1705.11, 1705.12 AND 1705.13.

         i. WHERE SECTION 1705.12 OR 1705.13 SPECIFIES SPECIAL INSPECTION, TESTING OR QUALIFICATION FOR SEISMIC RESISTANCE, THE STATEMENT OF SPECIAL INSPECTIONS SHALL IDENTIFY THE DESIGNATED SEISMIC SYSTEMS AND SEISMIC FORCE-RESISTING SYSTEMS THAT ARE SUBJECT TO SPECIAL INSPECTIONS OR TESTS.

         ii. WHERE SECTION 1705.11 SPECIFIES SPECIAL INSPECTION FOR WIND REQUIREMENTS, THE STATEMENT OF SPECIAL INSPECTIONS SHALL IDENTIFY THE MAIN WINDFORCE-RESISTING SYSTEMS AND WIND-RESISTING COMPONENTS SUBJECT TO SPECIAL INSPECTIONS. THE REPORT SHALL BE SIGNED BY THE SPECIAL INSPECTOR

5. FOR EACH TYPE OF SPECIAL INSPECTION, IDENTIFICATION AS TO WHETHER IT WILL BE CONTINUOUS SPECIAL INSPECTION, PERIODIC SPECIAL INSPECTION OR PERFORMED IN ACCORDANCE WITH THE NOTATION USED IN THE REFERENCED STANDARD WHERE THE INSPECTIONS ARE DEFINED.

6. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON QUANTITY, FREQUENCY AND DETAILED INFORMATION ON TESTING, INSPECTION AND REPORTING.

7. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION MEETING TO DISCUSS THE SPECIAL INSPECTION REQUIREMENTS WITH ALL INVOLVED PARTIES.

8. THE SPECIAL INSPECTIONS PROGRAM OUTLINED HEREIN, DOES NOT RELIEVE THE CONTRACTOR OR ANY OTHER ENTITY OF ANY CONTRACTUAL DUTIES, INCLUDING QUALITY CONTROL, QUALITY ASSURANCE, OR SAFETY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, AND JOB SITE SAFETY.

9. THE CONTRACTOR SHALL PAY FOR ENGINEERING SERVICES REQUIRED TO INVESTIGATE AND CORRECT WORK THAT DOES NOT CONFORM TO THE PROJECT DOCUMENTS OR IS FOUND DEFICIENT OR DEFECTIVE.

PERMIT'S APPLICATION RESPONSIBILITIES

1. THE PERMIT APPLICANT SHALL SUBMIT THIS SHEET AS THE STATEMENT OF SPECIAL INSPECTIONS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AS A CONDITION FOR PERMIT ISSUANCE.

2. THE PERMIT APPLICANT SHALL LIST BELOW THE INDIVIDUALS, APPROVED AGENCIES OR FIRMS INTENDED TO BE RETAINED FOR CONDUCTING SUCH INSPECTIONS.

   a. SUBGRADE PREPARATION, DRAINAGE COURSES, WALL AND GRADE BEAM BACKFILL, DRILLED PIERS, PILES, FOOTINGS AND OTHER GEOTECHNICAL RELATED ELEMENTS. _____ Name or Firm Name

   b. CONCRETE _____ Name or Firm Name

   c. STRUCTURAL STEEL, STEEL JOISTS AND JOIST GIRDERS,METAL DECK AND SPRAYED ON FIREPROOFING _____ Name or Firm Name

   d. CMU _____ Name or Firm Name

   e. LIGHT GAUGE METAL FRAMING _____ Name or Firm Name

   f. WOOD _____ Name or Firm Name

3. THE PERMIT APPLICANT SHALL OBTAIN ALL NECESSARY SIGNATURES INCLUDING CONTRACTOR ACKNOWLEDGEMENT OF SPECIAL INSPECTION REQUIREMENTS.

CONTRACTOR'S ACKNOWLEDGEMENT OF RESPONSIBILITY FOR IMPLEMENTATION OF THE SPECIAL INSPECTIONS PLAN

1. AS PART OF THE SUBMITTAL FOR BUILDING PERMIT, THE GENERAL CONTRACTOR SHALL COMPLETE THE FOLLOWING FORM AS A WRITTEN STATEMENT OF RESPONSIBILITY.

   a. AS THE GENERAL CONTRACTOR, WE ARE AWARE OF THE REQUIREMENTS FOR SPECIAL INSPECTIONS AS LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS.

   b. AS GENERAL CONTRACTOR, WE ACKNOWLEDGE THAT CONTROL MUST BE EXERCISED BY OUR ORGANIZATION TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL. WE ACKNOWLEDGE OUR RESPONSIBILITY TO DISTRIBUTE UP TO DATE DOCUMENTS, INCLUDING PLANS, SPECIFICATIONS, ADDENDA, CHANGE ORDERS, RESPONSES TO REQUESTS FOR INFORMATION, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS, SHOP DRAWINGS, ETC., TO ALL SUBCONTRACTORS AND TO THE SPECIAL INSPECTORS. WE ACKNOWLEDGE OUR RESPONSIBILITY FOR CALLING THE APPROPRIATE SPECIAL INSPECTIONS AT APPROPRIATE TIMES TO FULFILL THE REQUIREMENTS IN THE STATEMENT OF SPECIAL INSPECTIONS.

   c. AS GENERAL CONTRACTOR, WE HAVE DEVELOPED PLANS AND PROCEDURES FOR EXERCISING CONTROL WITHIN OUR ORGANIZATION, FOR THE METHOD AND FREQUENCY OF REPORTING AND FOR THE DISTRIBUTION OF THE REPORTS.

   d. THE FOLLOWING QUALIFIED INDIVIDUAL(S) WITHIN OUR FIRM WILL BE RESPONSIBLE FOR CONTROLLING THE PLAN, PROCEDURES AND PROCESS OF THE SPECIAL INSPECTIONS PLAN:

   _____ Name _____ Position within Firm

   _____ Name _____ Position within Firm

   _____ Name _____ Position within Firm

   _____ Name _____ Position within Firm

2. THE GENERAL CONTRACTOR ACKNOWLEDGES OUR RESPONSIBILITIES AS STATED ABOVE.

   _____ Name _____ Position within Firm _____ Date

   _____ Firm Name

ESCAMBIA COUNTY AREA TRANSIT - FACILITY:
05 - FUEL STATION BUILDING
2 CLARINDA LN
PENSACOLA, FLORIDA, 32505

Architect of Record:
ADG
800 SW ADAMS STREET, SUITE 101
PEORIA, IL 61602
P : 309.672.6948

Discipline:
RLG CONSULTING ENGINEERS
12001 N CENTRAL, EXPY #300
DALLAS, TX 75243
P : 214.739.8100

Discipline:
HODGSON DOUGLAS LANDSCAPE ARCHITECTS
12001 N CENTRAL EXPY, STE 1170
DALLAS, TX 75243
P : 214.749.0333

Discipline:
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P : 214.739.8100

Discipline:
MEP COMPANY NAME
KEDbluestone, PEORIA, IL 61602
707 NE JEFFERSON AVE
P : 515.259.5957

Discipline: Owner Consultant
QSC SERVICES, LLC
PMB #69
545 BRENT LN. PENSACOLA, FL
P : 309.231.8272

OWNER ID:
Design and Construction Administration Division
ESCAMBIA COUNTY, FL
100 E. BLOUNT ST. PENSACOLA, FL 32501

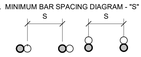
Revisions

PROJECT NO. 2613
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SPECIAL INSPECTIONS **S002**

LAP SPLICE NOTES:

1. TABULATED VALUES ARE PER ACI 318-19 REQUIREMENTS FOR NORMAN WEIGHT CONCRETE. THE VALUES ON THIS SHEET DO NOT APPLY TO LIGHTWEIGHT CONCRETE.
2. SEE TYPICAL DETAILS FOR CLEAR COVER.
3. MINIMUM BAR SPACING DIAGRAM - "S"



FIRST BAR

SECOND BAR PLACED OR SPLICE BAR

4. WHERE ACTUAL CONDITIONS DIFFER FROM THE CLEAR COVER SHOWN ON THE TYPICAL DETAILS OR DIFFER FROM PROVIDED SCHEDULED BAR SIZE, MINIMUM SPACING AND/OR f'c, LENGTHS SHALL BE ADJUSTED ONLY WITH THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
5. TABULATED VALUES ARE FOR NON-EPOXY COATED REINFORCEMENT. FOR EPOXY COATED REINFORCEMENT MULTIPLY VALUES BY 1.3 FOR "TOP BARS" AND 1.5 FOR ALL OTHER REINFORCEMENT
6. WHERE BARS OF DIFFERENT SIZES ARE LAP SPLICED IN TENSION. THE LAP LENGTH SHALL BE THE TENSION LAP SPLICE LENGTH (LTS) OF THE SMALLER BAR.
7. WHERE BARS OF DIFFERENT SIZES ARE LAP SPLICED IN COMPRESSION, THE COMPRESSION LAP LENGTH (LCS) SHALL BE THE LARGER OF THE COMPRESSION DEVELOPMENT LENGTH (Dc) OF THE LARGER BAR OR THE COMPRESSION LAP SPLICE LENGTH OF THE SMALLER BAR.
8. "TOP BARS" ARE DEFINED PER ACI HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE. "OTHER BARS ARE ALL BARS FOR WHICH THIS DOES NOT APPLY".
9. FOUNDATION WALL LAP SPLICES ARE BASED ON A MINIMUM 1 1/2" CLEAR COVER. IF CLEAR COVER IS REDUCED ON INTERIOR FACE, LAP SPLICES MUST BE REVISED.

DEVELOPMENT LENGTH SCHEDULE (INCHES)

GRADE	BAR SIZE	MIN BAR SPACING (INCHES) [MAX OF db+1" OR 2db]	TENSION												COMPRESSION					
			NOTED AS Ld ON DRAWINGS						NOTED AS Ldh ON DRAWINGS						NOTED AS Dc ON DRAWINGS					
			f'c (PSI)						f'c (PSI)						f'c (PSI)					
			3000	4000	5000	6000	7000	8500	3000	4000	5000	6000	7000	8500	3000	4000	5000	6000	7000	8500
60	#3	1.375	17	15	13	12	12	12	9	8	7	6	6	6	9	8	8	8	8	8
	#4	1.5000	22	19	17	16	15	14	11	10	9	8	8	7	11	10	9	9	9	9
	#5	1.625	28	24	22	20	18	17	14	12	11	10	9	9	14	12	12	12	12	12
	#6	1.750	33	29	26	24	22	20	17	15	13	12	11	10	17	15	14	14	14	14
	#7	1.875	48	42	38	34	32	29	20	17	15	14	13	12	20	17	16	16	16	16
	#8	2.000	55	48	43	39	36	33	22	19	17	16	15	14	22	19	18	18	18	18
	#9	2.250	62	54	48	44	41	37	25	22	20	18	17	15	25	22	21	21	21	21
80	#10	2.500	93	81	72	66	61	56	38	33	29	27	25	23	38	33	31	31	31	31
	#11	2.750	103	90	80	73	68	62	42	36	32	30	27	25	42	36	34	34	34	34

FOOTING/MAT REINFORCEMENT LAP SPLICE LENGTH SCHEDULE (INCHES)

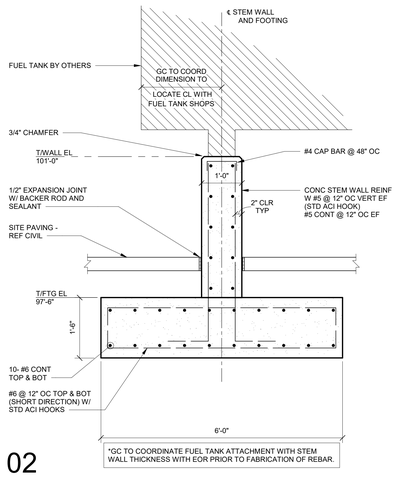
GRADE	BAR SIZE	MIN BAR SPACING (INCHES)	TENSION (LTS)											
			f'c = 3 KSI		f'c = 4 KSI		f'c = 5 KSI		f'c = 6 KSI		f'c = 7 KSI		f'c = 8.5 KSI	
			TOP BARS	OTHER	TOP BARS	OTHER	TOP BARS	OTHER	TOP BARS	OTHER	TOP BARS	OTHER	TOP BARS	OTHER
60	#4	1.875	38	29	33	25	29	23	27	21	25	19	22	17
	#5	2.000	47	36	41	31	36	28	33	26	31	24	28	22
	#6	2.250	56	43	49	37	44	34	40	31	37	28	33	26
	#7	2.625	81	63	71	54	63	49	58	45	54	41	49	38
	#8	3.000	93	72	81	62	72	56	66	51	61	47	55	43
	#9	3.375	105	81	91	70	81	63	74	57	69	53	63	48
80	#10	3.750	157	121	136	105	122	94	111	86	103	79	94	72
	#11	4.125	175	134	151	116	135	104	124	95	114	88	104	80

FOUNDATION WALL REINFORCEMENT - VERTICAL BARS LAP SPLICE LENGTH SCHEDULE (INCHES)

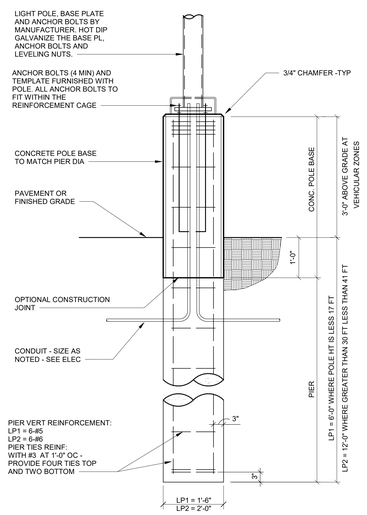
GRADE	BAR SIZE	MIN BAR SPACING (INCHES)	TENSION (LTS)					COMPRESSION (LCS)
			f'c = 3 KSI	f'c = 4 KSI	f'c = 5 KSI	f'c = 6 KSI	f'c = 7 KSI	
60	#4	2.000	29	25	23	21	19	15
	#5	2.125	36	31	28	26	24	19
	#6	2.500	43	37	34	31	28	23
	#7	2.625	63	54	49	45	41	27
	#8	3.000	72	62	56	51	47	30
	#9	3.375	81	70	63	57	53	34
80	#10	3.750	121	105	94	86	79	61
	#11	4.125	134	116	104	95	88	68

FOUNDATION WALL REINFORCEMENT - HORIZONTAL BARS LAP SPLICE LENGTH SCHEDULE (INCHES)

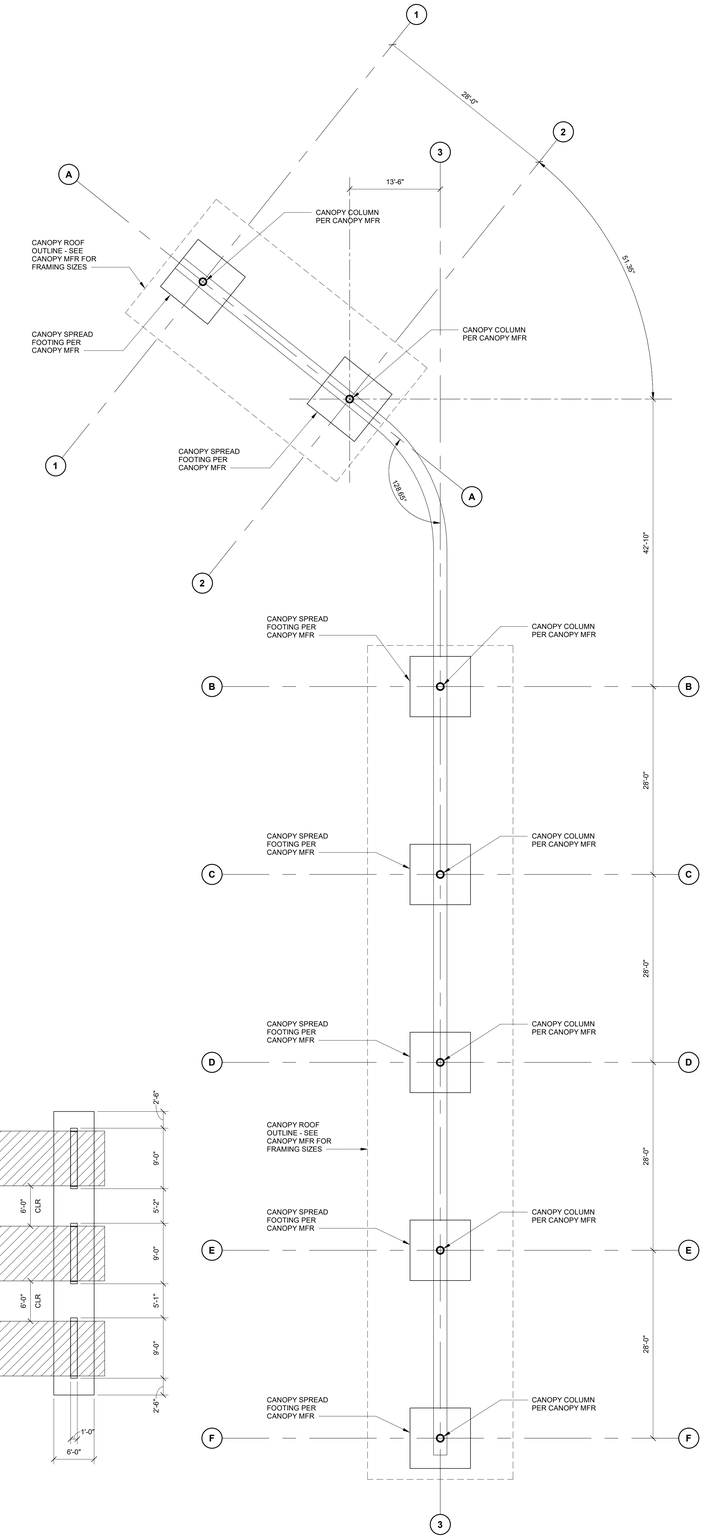
GRADE	BAR SIZE	MIN BAR SPACING (INCHES)	TENSION (LTS)					COMPRESSION (LCS)
			f'c = 3 KSI	f'c = 4 KSI	f'c = 5 KSI	f'c = 6 KSI	f'c = 7 KSI	
60	#4	1.875	29	25	23	21	19	15
	#5	2.000	36	31	28	26	24	19
	#6	2.250	43	37	34	31	28	23
	#7	2.625	63	54	49	45	41	27
	#8	3.000	72	62	56	51	47	30
	#9	3.375	81	70	63	57	53	34
80	#10	3.750	121	105	94	86	79	61
	#11	4.125	134	116	104	95	88	68

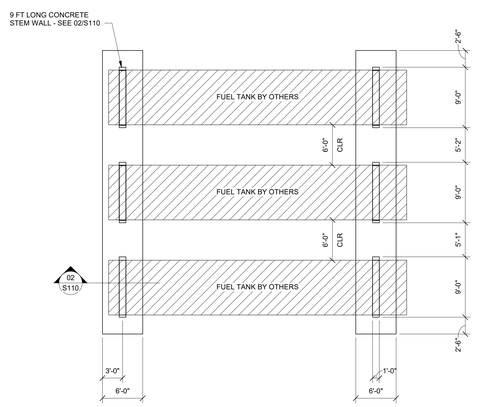


02



03 LIGHT POLE BASE DETAIL





N

01 FOUNDATION PLAN
1/8" = 1'-0"

PLAN NOTES:

1. ALL ELEVATIONS ARE REFERENCED TO LEVEL 1 FINISHED FLOOR EL = 100'-0" (87.81'). REFERENCE SITE PLAN FOR ABSOLUTE ELEVATIONS.
2. SEE S000 SERIES FOR ABBREVIATIONS, GENERAL NOTES, AND SPECIAL INSPECTIONS.
3. THE CANOPY STRUCTURE AND FOUNDATION ARE DESIGNED BY CANOPY MANUFACTURER. SEE AUSTIN MOHAWK AS THE BASIS OF DESIGN. GC TO COORDINATE CANOPY DIMENSION WITH ARCHITECTURAL DRAWINGS.
4. GC TO COORDINATE FINISH GRADE ELEVATION OF SITE PAVING ELEVATION AT EACH CANOPY COLUMN FROM CIVIL GRADING DRAWING WITH THE CANOPY DESIGNER.
5. GC TO SHALL REFER TO CIVIL DRAWINGS TO LOCATE CANOPY STRUCTURE AND FUEL TANK POSITION IN SITE.

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Discipline:
MEP COMPANY NAME
KEDbluestone, PEORIA, IL 61602
707 NE JEFFERSON AVE
P - 515.259.5957

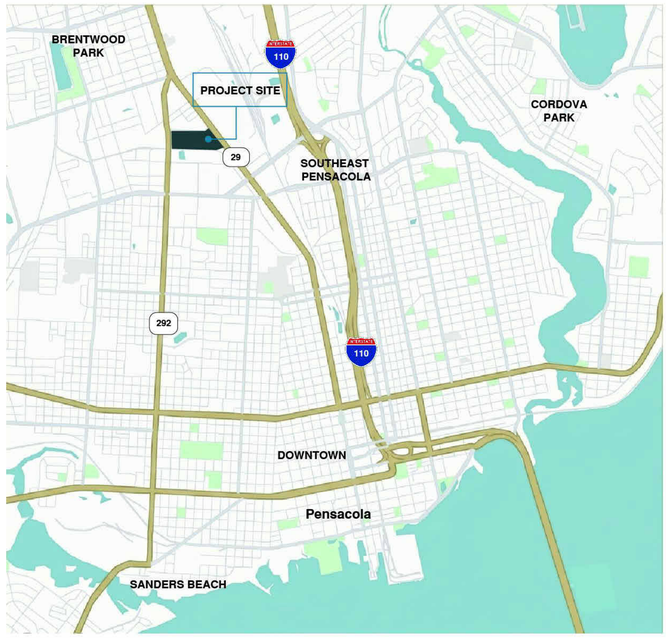
Discipline: Owner Consultant
QSC SERVICES, LLC
PMB #69
545 BRENT LN. PENSACOLA, FL
P - 309.231.8272

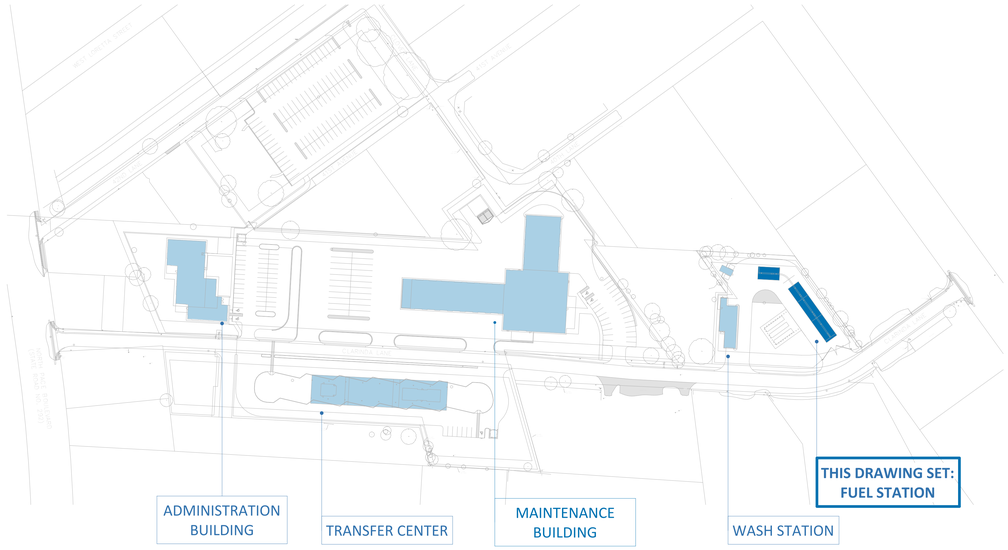
OWNER ID:
Design and Construction Administration Division
ESCAMBIA COUNTY, FL
100 E. BLOUNT ST. PENSACOLA, FL 32501

Revisions

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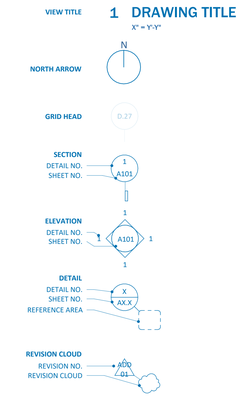
FOUNDATION FRAMING PLAN **S110**





SITE LOCATION PLAN

PLAN SYMBOLS



ESCAMBIA COUNTY AREA
TRANSIT - FACILITY:
05 - FUEL STATION CANOPIES
2 CLARINDA LN
PENSACOLA, FLORIDA, 32505

Architect of Record:
ADG
800 SW ADAMS STREET, SUITE 101
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Discipline:
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DALLAS, TX 75243
P - 214.739.8100

Discipline:
HODGSON DOUGLAS LANDSCAPE ARCHITECTS
12001 N. CENTRAL EXPRESSWAY, STE 1170
DALLAS, TX 75243
P - 214.749.0333

Discipline:
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KEEBIuestone, PEORIA, IL 61602
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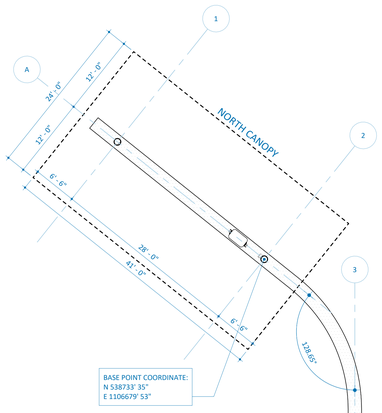
Discipline: Owner Consultant
QSC SERVICES, LLC
PMB #69
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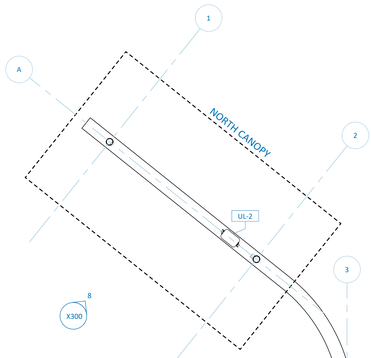
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100 E. BLOUNT ST. PENSACOLA, FL 32501

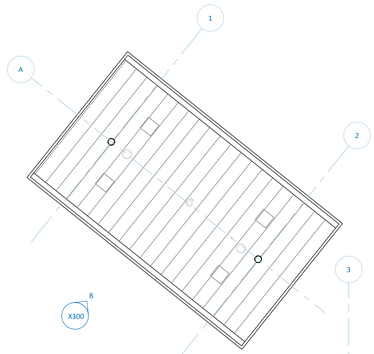
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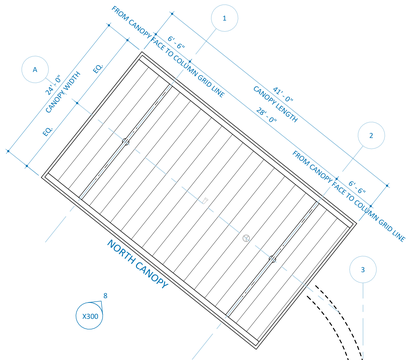
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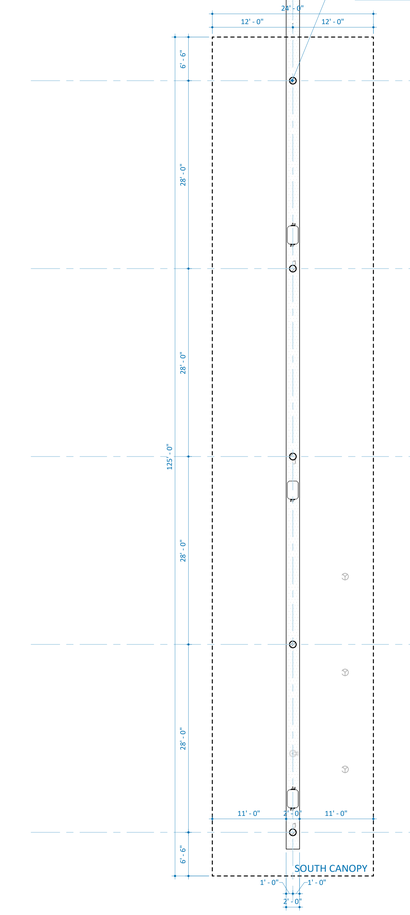
SITE LOCATION PLAN, ABBREVIATIONS, AND SYMBOLS LEGEND G000

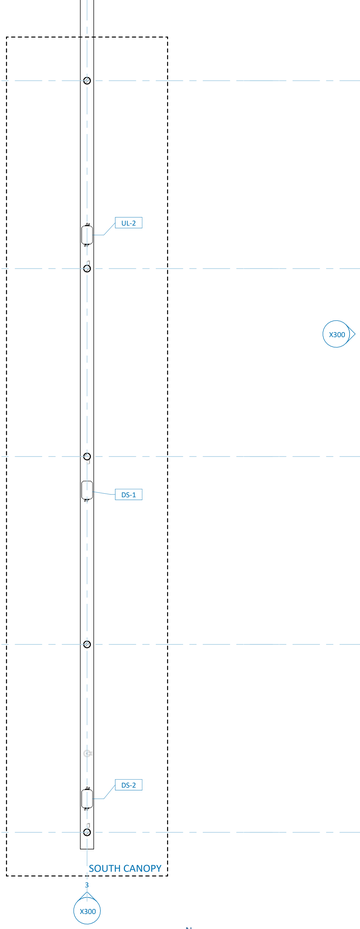


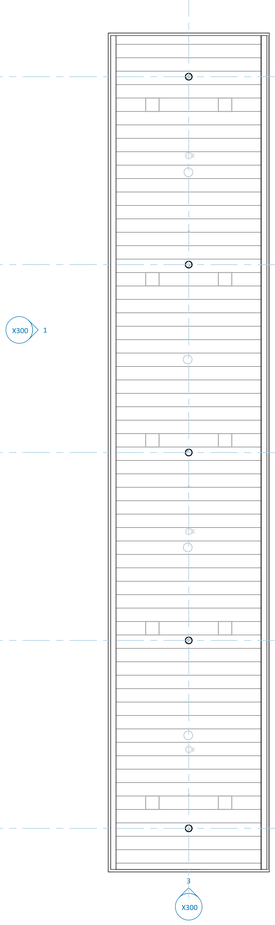


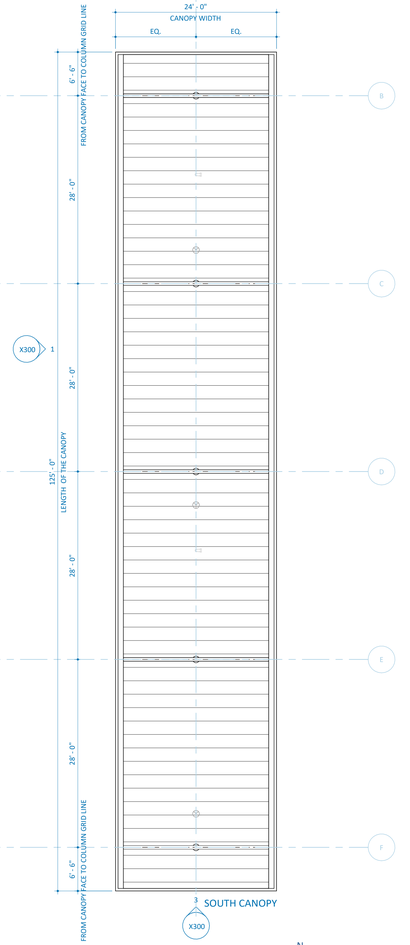












1 LAYOUT PLAN
1/8" = 1'-0"

2 EQUIPMENT PLAN
1/8" = 1'-0"

3 REFLECTED CEILING PLAN
1/8" = 1'-0"

4 ROOF PLAN
1/8" = 1'-0"

GUTTERS AND DOWNSPOUTS ARE PROVIDED BY FUEL STATION CANOPY VENDOR.
CODE MINIMUM REQUIREMENTS ARE LISTED BELOW:
GUTTER: 3"X3"
DOWNSPOUT: 1.86 SQUARE INCHES

EQUIPMENT SCHEDULE

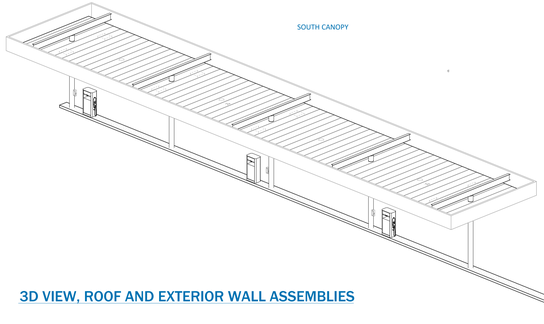
???

NO.	DESCRIPTION	FURNISHED BY	INSTALLED BY	Count
DS-1	ELECTRONIC FUEL DISPENSER - DIESEL SINGLE-SIDED	CONTRACTOR	CONTRACTOR	1
DS-2	ELECTRONIC FUEL DISPENSER - DIESEL DOUBLE-SIDED	CONTRACTOR	CONTRACTOR	1
UL-2	ELECTRONIC FUEL DISPENSER - UNLEADED DOUBLE-SIDED	CONTRACTOR	CONTRACTOR	2

PROVIDE UNDER SLAB AT VAPOR BARRIER

LIGHTING LEGEND

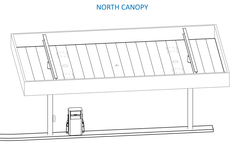
- 2'X2' LED FLAT PANEL
- 2'X2' LED FLAT PANEL W/ EMERGENCY BATTERY
- 4" DIAMETER OPEN DOWNLIGHT



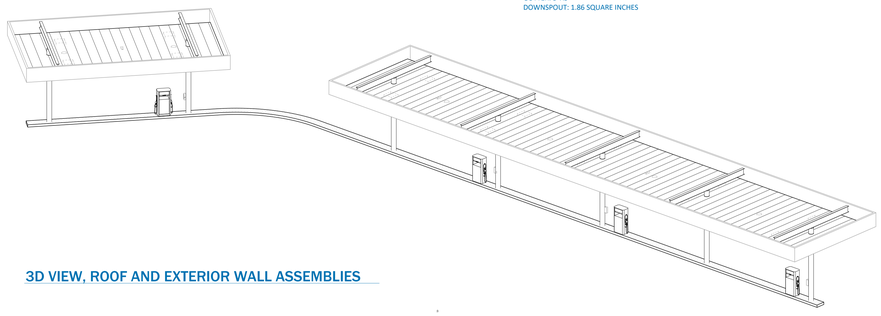
NOTE: DELEGATED DESIGN

CANOPY, FOUNDATIONS, ROOF DECK, FASCIA, AND ROOF DRAINAGE SYSTEM INCLUDING DOWNSPOUTS.

COORDINATE DOWNSPOUTS AT GRADE AND/OR TIE-IN TO CIVIL UNDERGROUND STORM.



3D VIEW, ROOF AND EXTERIOR WALL ASSEMBLIES



3D VIEW, ROOF AND EXTERIOR WALL ASSEMBLIES

ESCAMBIA COUNTY AREA
TRANSIT - FACILITY:
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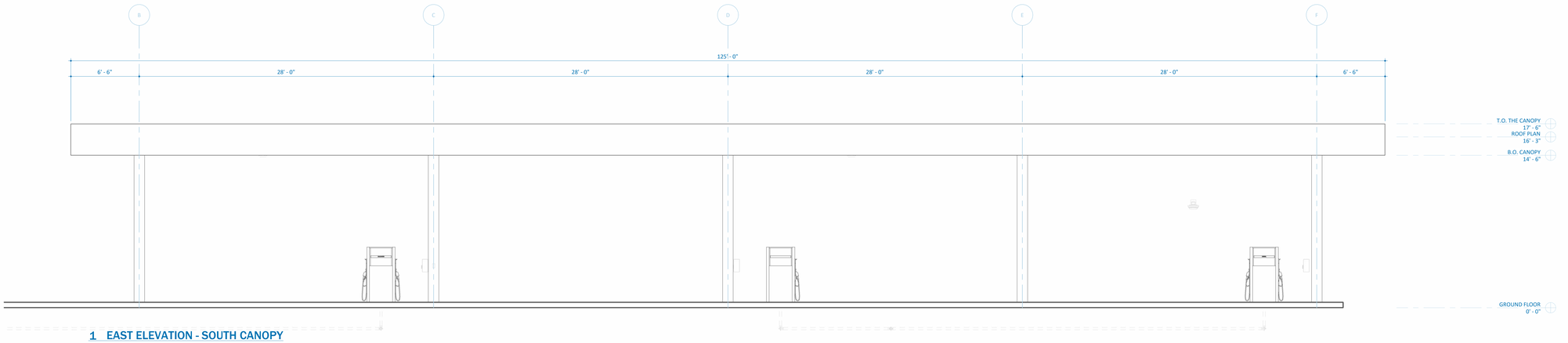
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Revisions

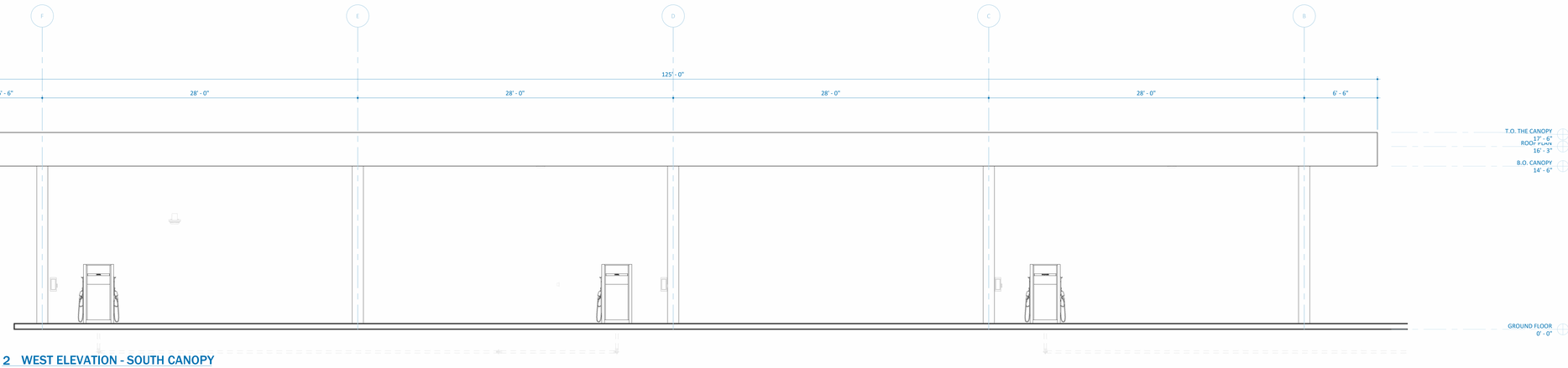
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LAYOUT PLAN, 3D VIEWS AND WALL / ROOF ASSEMBLIES **X001**



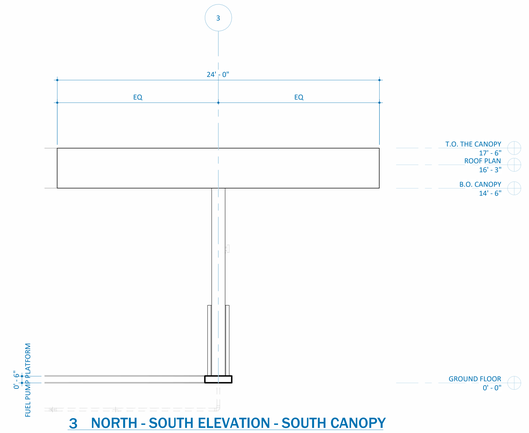
1 EAST ELEVATION - SOUTH CANOPY

1/4" = 1'-0"



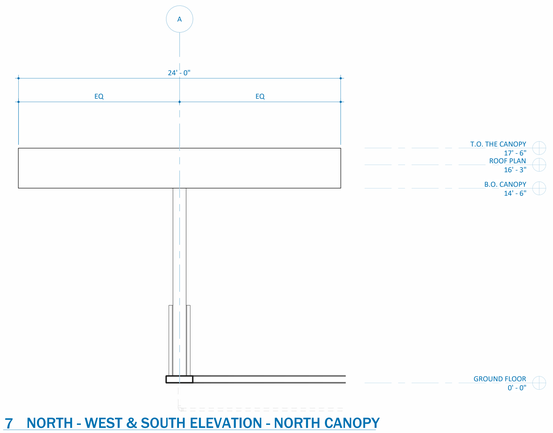
2 WEST ELEVATION - SOUTH CANOPY

1/4" = 1'-0"



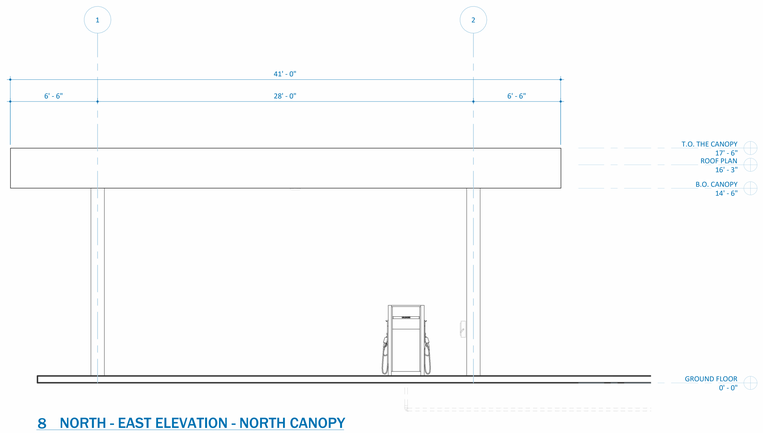
3 NORTH - SOUTH ELEVATION - SOUTH CANOPY

1/4" = 1'-0"



7 NORTH - WEST & SOUTH ELEVATION - NORTH CANOPY

1/4" = 1'-0"



8 NORTH - EAST ELEVATION - NORTH CANOPY

1/4" = 1'-0"

ESCAMBIA COUNTY AREA
TRANSIT - FACILITY:
05 - FUEL STATION CANOPIES
2 CLARINDA LN
PENSACOLA, FLORIDA, 32505

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Revisions

PROJECT NO. 2613
STATUS BID PACKAGE #2 - NOT FOR CONSTRUCTION
DATE 10/22/2026
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EXTERIOR ELEVATIONS X300

GENERAL PLAN SYMBOLS

1	PLAN REVISION NUMBER
# / #	DETAIL NUMBER ON SHEET / SHEET NUMBER WHERE DETAIL IS PLACED
X	KEYNOTE SYMBOL
	CONTINUATION SYMBOL
	POINT WHERE NEW CONNECTS TO EXISTING
Room Name / Number	ROOM NAME / NUMBER
	AREA BEING DEMOLISHED
	AREA NOT IN CONTRACT
MARK	SCHEDULED EQUIPMENT (UNDERLINED)
MARK	NONSCHEDULED EQUIPMENT
(E) MARK	EXISTING EQUIPMENT - HALFTONE - (E) PREFIX
(R) MARK	EXISTING RELOCATED EQUIPMENT - (R) PREFIX

ABBREVIATIONS

▲T	TEMPERATURE DIFFERENCE	LB	POUND
Ø	ROUND	LB/HR	POUNDS PER HOUR
ABV	ABOVE	LD	LINEAR DIFFUSER
AC	AIR CONDITIONING	LP	LOW PRESSURE
AD	AREA DRAIN	LP	LIQUEFIED PETROLEUM GAS
ADD	ADDENDUM	LVR	LOUVER
A/E	ARCHITECT / ENGINEER	LWT	LEAVING WATER TEMPERATURE
AFF	ABOVE FINISHED FLOOR	MA	MIXED AIR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MAX	MAXIMUM
ALT	ALTERNATE	MBH	ONE THOUSAND BTU PER HOUR
AP	ACCESS PANEL	M.C.	MECHANICAL CONTRACTOR
ARCH	ARCHITECT/ARCHITECTURAL	MD	MOTORIZED DAMPER
BAS	BUILDING AUTOMATION SYSTEM	MECH	MECHANICAL
BFF	BELOW FINISHED FLOOR	MFR	MANUFACTURER
BHP	BRAKE HORSEPOWER	MIN	MINIMUM
BLW	BELOW	MISC	MISCELLANEOUS
BTU	BRITISH THERMAL UNITS	MP	MEDIUM PRESSURE
BTUH	BRITISH THERMAL UNITS PER HOUR	MTR	MOTOR
CAP	CAPACITY	MUA	MAKE-UP/AIR
CB	CATCH BASIN	NC	NOISE CRITERIA
CD	CEILING DIFFUSER	NC	NORMALLY CLOSED
CFM	CUBIC FEET PER MINUTE	NIC	NOT IN CONTRACT
CFH	CUBIC FEET PER HOUR	NG	NATURAL GAS
CLG	CEILING	NO	NUMBER
C.M.	CONSTRUCTION MANAGER	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CV	CONTROL VALVE	O	OXYGEN
CW	COLD WATER	OA	OUTSIDE AIR
D	DEGREE	ORD	OVERFLOW ROOF DRAIN
DB	DRY BULB	PD	PRESSURE DROP
DDC	DIRECT DIGITAL CONTROLS	PIV	POST INDICATOR VALVE
DIA	DIAMETER	PLBG	PLUMBING
DN	DOWN	PRESS	PRESSURE
DW	DEIONIZED WATER	PRV	PRESSURE REDUCING VALVE
EAT	ENTERING AIR TEMPERATURE	PSI	POUNDS PER SQUARE INCH
E.C.	ELECTRICAL CONTRACTOR	PSIG	POUNDS PER SQUARE INCH GAUGE
ELEC	ELECTRICAL	PWR	POWER
EQUIP	EQUIPMENT	R	DUCT RISER
EWC	ELECTRIC WATER COOLER	RA	RETURN AIR
EWT	ENTERING WATER TEMPERATURE	RCP	RADIANT CEILING PANEL
EA	EXHAUST AIR	RD	ROOF DRAIN
EG	EXHAUST GRILLE	REC	RECESSED
EXIST	EXISTING	RED	REDUCER
F	DEGREES FAHRENHEIT	RG	RETURN GRILLE
FCO	FLOOR CLEAN OUT	RH	RELATIVE HUMIDITY
FD	FLOOR DRAIN	RLA	RELIEF AIR
FDC	FIRE DEPARTMENT CONNECTION	RM	ROOM
FL	FLOOR	RPM	REVOLUTIONS PER MINUTE
FO	FUEL OIL	SA	SUPPLY AIR
FOV	FUEL OIL VENT	SAN	SANITARY
FOR	FUEL OIL RETURN	SD	SMOKE DAMPER
FOS	FUEL OIL SUPPLY	SF	SQUARE FOOT
FPC	FIRE PROTECTION CONTRACTOR	SG	SUPPLY GRILLE
FPM	FEET PER MINUTE	SM	SURFACE MOUNT
FS	FLOOR SINK	SP	STATIC PRESSURE
FT	FOOT/FEET	SR	SUPPLY REGISTER
FTR	FIN TUBE RADIATION	STM	STEAM
GAL	GALLON	T	THERMOSTAT
GF	GAS-FIRED	T.C.	TEMP CONTROLS CONTRACTOR
G.C.	GENERAL CONTRACTOR	TD	TEMPERATURE DROP
GPM	GALLONS PER MINUTE	TD	TRENCH DRAIN
GW	GREASE WASTE	TEMP	TEMPERATURE
HB	HOSE BIBB	TYP	TYPICAL
HP	HORSE POWER	UG	UNDERGROUND
HP	HIGH PRESSURE	VAC	VACUUM
HTG	HEATING	V	VENT
HTR	HEATER	VAV	VARIABLE AIR VOLUME
HW	HOT WATER	VENT	VENTILATION
HYD	HYDRANT	VTR	VENT THROUGH ROOF
ID	INDIRECT DRAIN	W	WASTE
IN	INCH	WB	WET BULB
I.E.	INVERT ELEVATION	WCO	WALL CLEAN OUT
K.E.C.	KITCHEN EQUIPMENT CONTRACTOR	WH	WALL HYDRANT
LAT	LEAVING AIR TEMPERATURE	YCO	YARD CLEANOUT

EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT	ERV	ENERGY RECOVERY VENTILATOR
ACCU	AIR COOLING CONDENSING UNIT	EWH	ELECTRIC WATER HEATER
AHU	AIR HANDLING UNIT	FCU	FAN COIL UNIT
AS	AIR SEPARATOR	FP	FIRE PUMP
B	BOILER	GI	GREASE INTERCEPTOR
BCU	BLOWER COIL UNIT	GRV	GRAVITY ROOF VENTILATOR
CH	CHILLER	HP	HEAT PUMP
CT	COOLING TOWER	HWP	HEATING WATER PUMP
CUH	CABINET UNIT HEATER	HRU	HEAT RECOVERY UNIT
CHWP	CHILLED WATER PUMP	P	PUMP
CP	CONDENSER PUMP	PRV	POWER ROOF VENTILATOR
DBP	DOMESTIC WATER BOOSTER PUMP	RF	RETURN FAN
DC	DUCT MOUNTED COIL	RHC	REHEAT COIL
CP	DOMESTIC WATER CIRCULATING PUMP	RTU	ROOFTOP UNIT
EF	EXHAUST FAN	SP	SUMP PUMP
EDC	ELECTRIC DUCT COIL	UH	UNIT HEATER
ET	EXPANSION TANK	WH	WATER HEATER

* NOTE *

ALL GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL SUBSEQUENT SHEETS IN SHEET LIST. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

PLUMBING PIPING

2"	NOMINAL PIPE SIZE
2" CW	EXISTING PIPE TO REMAIN
	PIPE TO BE DEMOLISHED
	COLD WATER TYPE
CW	COLD WATER
SCW	SOFTENED COLD WATER
	HOT WATER TYPE
HW	HOT WATER
HW 140*	HOT WATER 140°
SHW	SOFTENED HOT WATER
	HOT WATER RECIRC TYPE
HWC	HOT WATER RECIRC
HWC 140*	HOT WATER RECIRC 140°
SHWC	SOFTENED HOT WATER RECIRC
DI	DEIONIZED WATER
DIR	DEIONIZED WATER RETURN
RO	REVERSE OSMOSIS
ROR	REVERSE OSMOSIS RETURN
WS	WATER SERVICE
ST	STORM
STO	STORM OVERFLOW
SAN	SANITARY
PD	PUMPED DISCHARGE
V	VENT
AW	ACID WASTE
AV	ACID VENT
GSAN	GREASE SANITARY
GV	GREASE VENT
OW	OIL WASTE
OV	OIL VENT
CA	COMPRESSED AIR

PIPE FITTINGS

	PIPE RISE / DROP
	PIPE ELBOW
	PIPE TEE HORIZONTAL / RISER / DROP
	PIPE CAP / CLEANOUT / CONTINUATION
	P-TRAP

PIPE ACCESSORIES

	BALANCING VALVE		ANGLE VALVE
	BALL VALVE		BUTTERFLY VALVE
	SOLENOID VALVE		PLUG VALVE
	GATE VALVE		INLINE PUMP
	GENERIC ISOLATION VALVE		HOSE BIBB/ HYDRANT
	PRESSURE REDUCING VALVE		PRESSURE GAUGE
	UNION		AIR VENT
	STRAINER		PRESSURE RELIEF
	WATER METER		BACKFLOW PREVENTER
			BACKFLOW PREVENTER

FIXTURE SYMBOLS

FD	FLOOR DRAIN (ROUND)	RD	COMBINATION ROOF DRAIN
FD	FLOOR DRAIN (SQUARE)	RD	ROOF DRAIN
FCO	FLOOR CLEANOUT		
FS	FLOOR SINK		

GENERAL NOTES - PLUMBING

1. ALL PLUMBING WORK SHOULD BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION:
   - 2023 FLORIDA PLUMBING CODE
   - 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
   - 2023 FLORIDA BUILDING CODE, ENERGY CONSERVATION
   - LOCAL CODES, INCLUDING ALL AMENDMENTS AND ORDINANCES.
2. THESE DRAWINGS ARE DIAGRAMMATIC, NOT ALL PIPING, FITTINGS, OFFSETS, VALVES OR OTHER ACCESSORIES ARE SHOWN. THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL ANY/ALL NECESSARY PIPING, FITTINGS, VALVES, REGULATORS, GAUGES, HANGERS, INSULATION, EQUIPMENT, FIXTURES, ETC. REQUIRED FOR A COMPLETE FUNCTIONAL SYSTEM AS SHOWN ON PLUMBING PLANS AND AS OUTLINED IN SPECIFICATION INFORMATION UNLESS OTHERWISE NOTED.
3. PLUMBING CONTRACTOR SHOULD UTILIZE THESE PLANS AND PROVIDE RECORD DRAWING COMMENTARY REFLECTING ACTUAL INSTALLATION. PROVIDE ONE HARD-COPY SET TO ARCHITECT/ENGINEER.
4. PLUMBING CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL FEES AND PERMITS REQUIRED TO ACCOMPLISH THIS WORK.
5. PLUMBING CONTRACTOR SHOULD REVIEW ANTICIPATED MAN/MATERIAL LIFT EQUIPMENT WITH OWNERS REPRESENTATIVE PRIOR TO UTILIZING FOR INSTALLATION. DAMAGED FLOORING RESULTING FROM UNAPPROVED EQUIPMENT WILL BE REPLACED AT THE PLUMBING CONTRACTOR'S EXPENSE.
6. REFER TO WRITTEN SPECIFICATIONS FOR EQUIPMENT AND MATERIAL RELATED TO THIS WORK.
7. COORDINATE SEQUENCE OF PLUMBING WORK CLOSELY WITH GENERAL CONTRACTOR/ CONSTRUCTION MANAGER AND OTHER TRADES TO AVOID CONFLICTS.
8. PLUMBING CONTRACTOR SHOULD TAKE PRECAUTIONS NECESSARY TO MINIMIZE CONSTRUCTION DEBRIS TRANSFER TO ADJACENT NON-WORK AREAS.
9. PRIOR TO COMMENCING WORK ON THIS PROJECT, VERIFY DEPTH, SIZE, LOCATION AND CONDITION OF ALL EXISTING UTILITIES IN FIELD. SHOULD CONDITIONS EXIST OTHER THAN THOSE INDICATED WHICH WOULD CAUSE THE DESIGN TO BE ALTERED, CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER IMMEDIATELY.
10. PLUMBING UTILITY CONNECTIONS SHALL EXTEND TO 5'-0" OUTSIDE OF THE BUILDING FOR CONNECTION BY THE SITE UTILITIES CONTRACTOR.
11. COORDINATE ALL BELOW FLOOR PLUMBING PIPING AND EQUIPMENT WITH STRUCTURAL PLANS.
12. COORDINATE INSTALLATION OF PLUMBING WORK WITH ALL OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OR INTERFERENCES. PLUMBING CONTRACTOR SHALL REVIEW ARCHITECTURAL AND EQUIPMENT SHEETS.
13. PLUMBING CONTRACTOR SHALL FIELD VERIFY MEANS AND METHODS REQUIRED TO BRING PLUMBING FIXTURES, EQUIPMENT AND MATERIAL INTO THE BUILDING. COORDINATE STORAGE AND LAY DOWN AREAS WITH THE GENERAL CONTRACTOR/ CONSTRUCTION MANAGER PRIOR TO BRINGING MATERIALS TO THE PROJECT SITE.
14. ALL VALVES, UNIONS, ETC. SHALL BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
15. ALL PLUMBING PIPING SHALL BE SUPPORTED. SEE SPECIFICATIONS.
16. NOTIFY LOCAL INSPECTOR PRIOR TO BACKFILL OF ALL UNDER SLAB PLUMBING. ANY WORK COVERED PRIOR TO INSPECTION SHALL BE UNCOVERED AT THE INSPECTOR'S REQUEST.
17. SOIL ON SITE IS CONTAMINATED AND CANNOT BE REMOVED FROM SITE. SEE CIVIL DRAWINGS FOR STOCKPILE LOCATION.

PLUMBING SHEET INDEX

PF000	PLUMBING COVER PAGE
PS100	PLUMBING SITE PLAN
PF100	PLUMBING FLOOR PLANS

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ESCAMBIA COUNTY AREA TRANSIT - FACILITY:
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2 CLARINDA LN
PENSACOLA, FLORIDA, 32505

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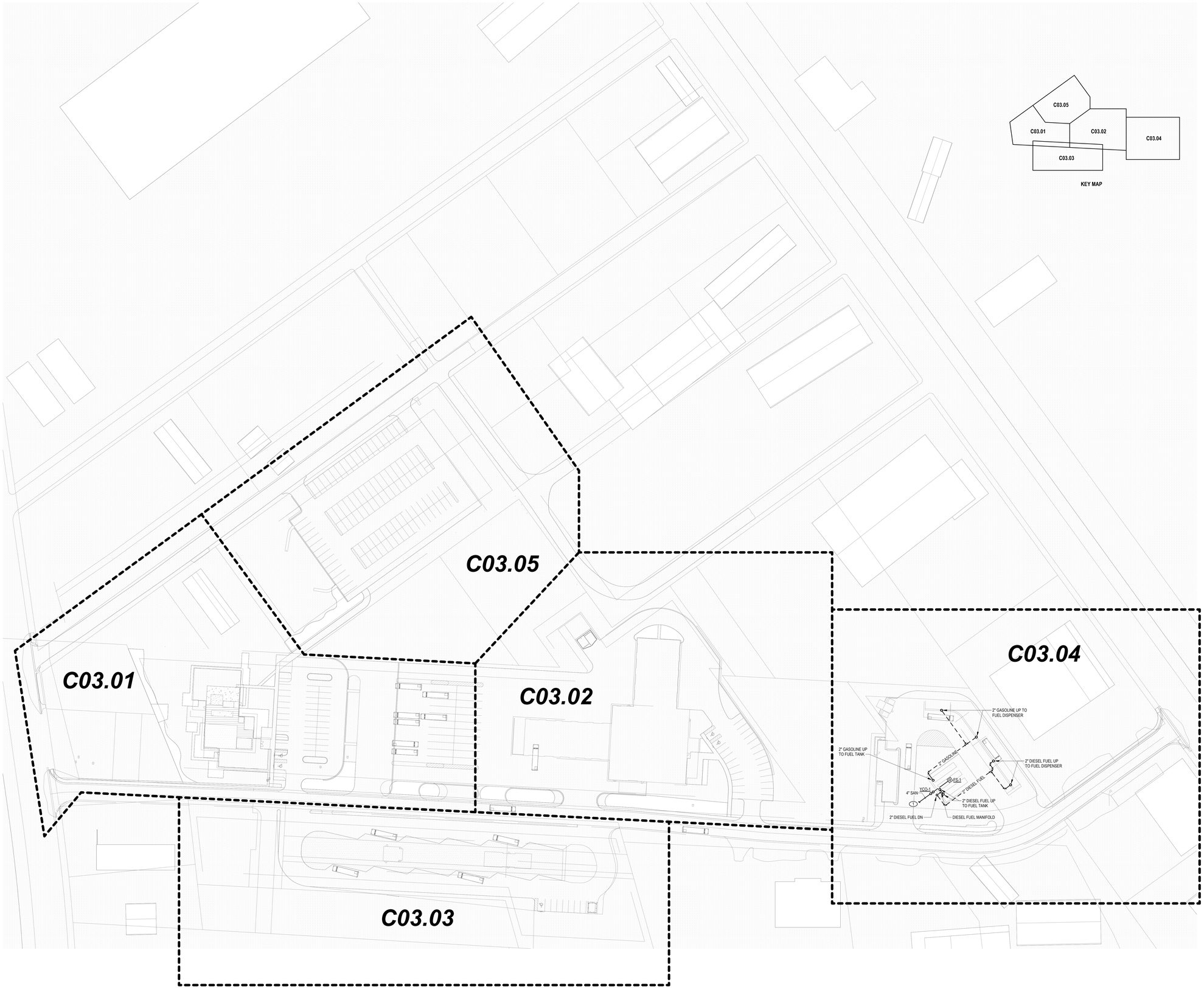
Revisions

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PLUMBING COVER PAGE **PF000**

KEYED NOTES:

1. CONNECT 4" PIPE TO SANITARY SEWER SYSTEM. SEE CIVIL FOR PIPE CONTINUATION.



KEY MAP

N

1 PLUMBING SITE PLAN
1" = 50'-0"

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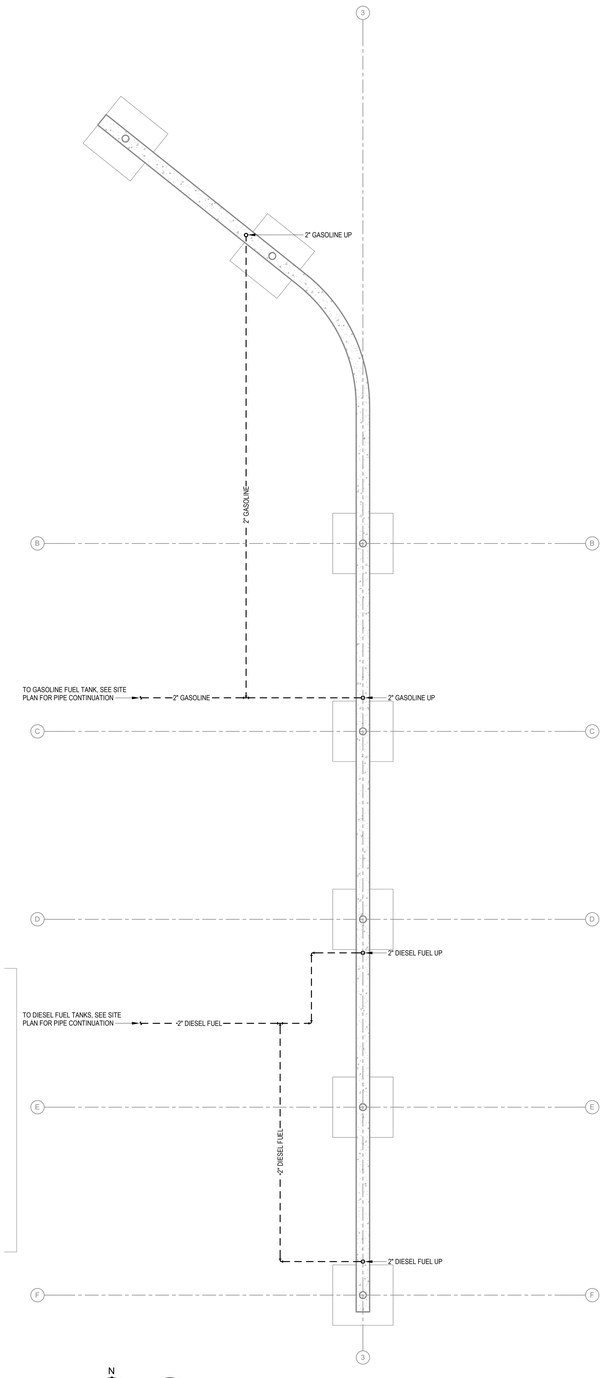
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PLUMBING SITE PLAN **PS100**

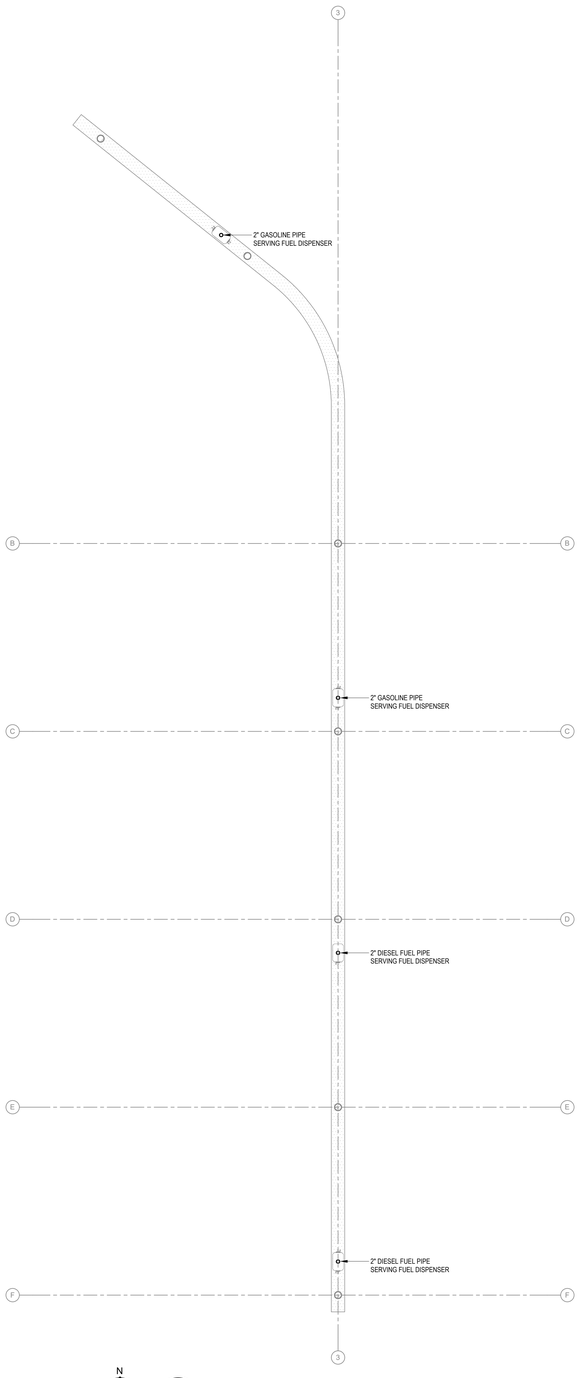
PIPING APPLICATION SCHEDULE (PLUMBING)						
SYSTEM	LOCATION	DESIGN WORKING PRESSURE (PSI)	MATERIAL	JOINTS	USAGE SIZE RANGE	NOTES
AUTOMOTIVE FUEL	BELOW GRADE	125	DOUBLE-WALL FIBERGLASS CONTAINMENT PIPING	DOUBLE-WALL FITTINGS	ALL	-
	ABOVE GRADE	125	SCH 40 BLACK STEEL	THREADED, AND/OR WELDED	ALL	-



N

2 PLUMBING UNDERFLOOR PLAN

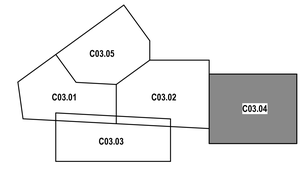
1/8" = 1'-0"



N

1 PLUMBING FLOOR PLAN

1/8" = 1'-0"



KEY MAP

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DATE 10/22/2026
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PLUMBING FLOOR PLANS **PF100**

ELECTRICAL ABBREVIATIONS

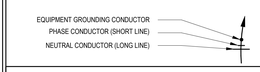
1P	1 POLE (2P, 3P, 4P, ETC.)	LTNG	LIGHTNING
A	6" ABOVE COUNTER OR BACKSPLASH TO CENTERLINE OF DEVICE	LV	LOW VOLTAGE
		M	INSTALL DEVICE IN MILLWORK
A, AMP	AMPERE	MAX	MAXIMUM
AC	ABOVE COUNTER, AIR CONDITIONING UNIT	MAG.S	MAGNETIC STARTER
ACLG	ABOVE CEILING	MC	MOMENTARY CONTACT
AF	AMP FRAME	MC	MECHANICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AFG	ABOVE FINISHED GRADE	MCC	MOTOR CONTROL CENTER
AFCI	ARC FAULT CIRCUIT INTERRUPTER	MDC	MAIN DISTRIBUTION CENTER
		MDP	MAIN DISTRIBUTION PANEL
AHU	AIR HANDLING UNIT	MFR	MANUFACTURER
AL	ALUMINUM	MFS	MAIN FUSED DISCONNECT SWITCH
ALT	ALTERNATE	MH	MANHOLE
AMP	AMPERE	MIC	MICROPHONE
AMPL	AMPLIFIER	MIN	MINIMUM
ANNUN	ANNUNCIATOR	MISC	MISCELLANEOUS
APPROX	APPROXIMATELY	MLO	MAIN LUGS ONLY
AQ-STAT	AQUASTAT	MMS	MANUAL MOTOR STARTER
ARCH	ARCHITECT, ARCHITECTURAL	MOA	MULTIOUTLET ASSEMBLY
AS	AMP SWITCH	MSP	MOTOR STARTER PANELBOARD
AT	AMP TRIP	MSBD	MAIN SWITCHBOARD
ATC	AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR	N/A	NOT APPLICABLE
		NFDS	NON-FUSED SAFETY DISCONNECT SWITCH
ATS	AUTOMATIC TRANSFER SWITCH		
AUTO	AUTOMATIC	NIC	NOT IN CONTRACT
AUX	AUXILIARY	NL	NIGHT LIGHT
AV	AUDIO VISUAL	N.O.	NORMALLY OPEN
AWG	AMERICAN WIRE GAUGE	NPF	NORMAL POWER FACTOR
B	BLACK DEVICE COLOR WITH BLACK UNBREAKABLE THERMOPLASTIC COVER PLATE	NTS	NOT TO SCALE
		OC	ON CENTER
		OH	OVERHEAD
BAS	BUILDING AUTOMATION SYSTEM	OL	OVERLOADS
BATT	BATTERY	PA	PUBLIC ADDRESS
BD	BOARD	PB	PULL BOX OR PUSHBUTTON
BLDG	BUILDING	PC	PLUMBING CONTRACTOR
BMS	BUILDING MANAGEMENT SYSTEM	PE	PNEUMATIC ELECTRIC
C	CONDUIT	PED	PEDESTAL
CAB	CABINET	PF	POWER FACTOR
CAT	CATALOG	PH	PHASE
CATV	CABLE TELEVISION	PIV	POST INDICATING VALVE
CB	CIRCUIT BREAKER	PNL	PANEL
CCTV	CLOSED CIRCUIT TELEVISION	PP	POWER POLE
CKT	CIRCUIT	PR	PAIR
CLG	CEILING	PRI	PRIMARY
CM	CONSTRUCTION MANAGER	PROJ	PROJECTION
COMB	COMBINATION	PRV	POWER ROOF VENTILATOR
CMPR	COMPRESSOR	PT	POTENTIAL TRANSFORMER
CONN	CONNECTION	PVC	POLYVINYL CHLORIDE (CONDUIT)
CONST	CONSTRUCTION	PWR	POWER
CONT	CONTINUATION OR CONTINUOUS	QTY	QUANTITY
CONTR	CONTRACTOR	RAC	RIGID ALUMINUM CONDUIT
CP	CIRCULATING PUMP	RCPT	RECEPTACLE
CRT	CATHODE-RAY TUBE	REQD	REQUIRED
CT	CURRENT TRANSFORMER	RM	ROOM
CTR	CENTER	RMC	RIGID METALLIC CONDUIT
CU	COPPER	RTU	ROOF TOP UNIT
DEPT	DEPARTMENT	SC	SURFACE CONDUIT
DET	DETAIL	SEC	SECONDARY
DIA	DIAMETER	SHT	SHEET
DISC	DISCONNECT	SIM	SIMILAR
DIST	DISTRIBUTION	SLD	SINGLE-LINE DIAGRAM
DN	DOWN	S/N	SOLID NEUTRAL
DO	AUTOMATIC DOOR OPENER	SPEC	SPECIFICATION
DPR	DAMPER	SPKR	SPEAKER
DS	SAFETY DISCONNECT SWITCH	SP	SPARE
DT	DOUBLE THROW	SPP	SINGLE-POINT POWER
DWG	DRAWING	SR	SURFACE RACEWAY
EC	ELECTRICAL CONTRACTOR	SS	STAINLESS STEEL
ECB	ENCLOSED CIRCUIT BREAKER	SSW	SELECTOR SWITCH
ELEC	ELECTRIC, ELECTRICAL	S/S	STOP/START PUSHBUTTONS
ELEV	ELEVATOR	STA	STATION
ELU	EMERGENCY LIGHTING UNIT	STD	STANDARD
EM	EMERGENCY	SURF	SURFACE MOUNTED
EMS	ENERGY MANAGEMENT SYSTEM	SW	SWITCH
EMT	ELECTRICAL METALLIC TUBING	SWBD	SWITCHBOARD
EP	ELECTRIC PNEUMATIC	SYM	SYMMETRICAL
EPO	EMERGENCY POWER OFF	SYS	SYSTEM
EQUIP	EQUIPMENT	TEL	TELEPHONE
EWC	ELECTRIC WATER COOLER	TERM	TERMINAL
EXIST	EXISTING	T	TAMPER RESISTANT
EXH	EXHAUST	TL	TWIST LOCK
EXP	EXPLOSION PROOF	T-STAT	THERMOSTAT
FA	FIRE ALARM	TTC	TELEPHONE TERMINAL CABINET
FABP	FIRE ALARM BOOSTER POWER SUPPLY PANEL	TV	TELEVISION
		TVTC	TELEVISION TERMINAL CABINET
FACP	FIRE ALARM CONTROL PANEL	TYP	TYPICAL
FCU	FAN COIL UNIT	UC	UNDER COUNTER
FIXT	FIXTURE	UE	UNDERGROUND ELECTRICAL
FLR	FLOOR	UG	UNDERGROUND
FLUOR	FLUORESCENT	UH	UNIT HEATER
FPC	FIRE PROTECTION CONTRACTOR	UT	UNDERGROUND TELEPHONE
FU	FUSE	UTIL	UTILITY
FUDS	FUSED SAFETY DISCONNECT SWITCH	UV	ULTRAVIOLET
GA	GAUGE	V	VOLT
GAL	GALLON	VA	VOLT-AMPERES
GALV	GALVANIZED	VDT	VIDEO DISPLAY TERMINAL
GC	GENERAL CONTRACTOR	VERT	VERTICAL
GEN	GENERATOR	VFD	VARIABLE FREQUENCY DRIVE
GFI	GROUND FAULT CIRCUIT INTERRUPTER	VOL	VOLUME
GFP	GROUND FAULT PROTECTOR	W	WATT
GND	GROUND	W/	WITH
GYP BD	GYPSUM BOARD	WG	WIRE GUARD
HWC#	DOMESTIC WATER CIRCULATING PUMP	WH	WATER HEATER
HOA	HANDS-OFF-AUTOMATIC SWITCH	W/O	WITHOUT
H	INSTALL DEVICE HORIZONTALLY	WP	WEATHERPROOF
HH	HANDHOLE	XFMR	TRANSFORMER
HP	HORSEPOWER	XFR	TRANSFER
HPF	HIGH POWER FACTOR	#"	LOCATION-SPECIFIC MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTERLINE OF DEVICE
HT	HEIGHT		
HTG	HEATING		
HTR	HEATER		
HV	HIGH VOLTAGE	∠	ANGLE
HVAC	HEATING, VENTILATING AND AIR CONDITIONING	@	AT
		▲	DELTA
IC	INTERRUPTING CAPACITY	'	FEET
IG	ISOLATED GROUND	"	INCHES
IMC	INTERMEDIATE METAL CONDUIT	#	NUMBER
INCAND	INCANDESCENT	Ø	PHASE
IR	INFRARED	C	CENTER LINE
IW	INTERLOCK WITH	P	PLATE
J-BOX	JUNCTION BOX		
K.E.C.	KITCHEN EQUIPMENT CONTRACTOR		
KV	KILOVOLT		
KVA	KILOVOLT-AMPERE		
KVAR	KILOVOLT-AMPERE REACTIVE		
KW	KILOWATT		
KWH	KILOWATT HOUR		
LT	LIGHT		
LTG	LIGHTING		

BREAKER FUNCTION SCHEDULE

SYMBOL	DESCRIPTION
A	ARC FAULT INTERUPTER (AFCI)
AR	ARC ENERGY REDUCTION MAINTENANCE SWITCH
E	EXISTING BREAKER TO REMAIN
EM	PROVIDE IDENTIFICATION PER NEC 700.12(I)(2)(4)
EN	EXISTING BREAKER SERVING NEW CIRCUIT
G	GROUND FAULT CIRCUIT INTERUPTER (GFCI) PROTECTION (5mA)
GE	GROUND FAULT CIRCUIT INTERUPTER FOR EQUIPMENT (30mA)
GF	ADJUSTABLE GROUND FAULT PROTECTION FOR EQUIPMENT
HL	HANDLE LOCK TO LOCK BREAKER IN CLOSED POSITION
K#	KEY INTERLOCK OF REPRESENTS GROUPED KEYING
LSI	LONG-TIME, SHORT-TIME, INSTANTANEOUS ADJUSTMENT
LSIG	LONG-TIME, SHORT-TIME, INSTANTANEOUS ADJUSTMENT, AND GROUND FAULT ADJUSTMENT
LSIA	LONG-TIME, SHORT-TIME, INSTANTANEOUS ADJUSTMENT, AND GROUND FAULT ALARM
N	NEW BREAKER IN EXISTING PANEL
NE	NEW BREAKER SERVING EXISTING CIRCUIT
SD	DENOTE SERVICE DISCONNECT
ST	SHUNT TRIP (120V OPERATED UNLESS NOTED OTHERWISE)

EQUIPMENT/DEVICE HOME RUN KEY

1. BRANCH CIRCUIT WIRING SHALL BE #12AWG UNLESS NOTED OTHERWISE ON THE PLAN OR IN THE SCHEDULES.
2. AS A MINIMUM, USE 10 AWG CONDUCTOR FOR 20 AMPERE, 120 VOLT BRANCH CIRCUIT HOME RUNS LONGER THAN 100 FEET AND 277 VOLT BRANCH CIRCUIT HOME RUNS LONGER THAN 200 FEET.
3. REFER TO SPECIFICATION SECTION 260519 FOR ADDITIONAL REQUIREMENTS.



GENERAL PLAN SYMBOLS

MARK	SCHEDULED EQUIPMENT (UNDERLINED)
MARK	NONSCHEDULED EQUIPMENT
(E) MARK	EXISTING EQUIPMENT - (E) PREFIX (HALFTONE)
(R) MARK	EXISTING RELOCATED EQUIPMENT - (R) PREFIX
# / #	SECTION VIEW, TOP REPRESENTS DETAIL NUMBER, BOTTOM REPRESENTS SHEET NUMBER
# / #	ENLARGED VIEW, TOP REPRESENTS VIEW NUMBER, BOTTOM REPRESENTS SHEET NUMBER
	NEW WORK BY THE EC (DARK SOLID LINE)
	NEW UNDERGROUND WORK BY THE EC (DARK DASHED LINE)
	WORK BY OTHERS AND/OR EXISTING (LIGHT SOLID LINE)
	DEMO WORK BY THE EC (DARK DASHED LINE)
	MATCHLINE
X	KEYED NOTE
1	LIGHTING CONTROL CALLOUT SYMBOL (DIAMOND)
1	ELECTRICAL EQUIPMENT SYMBOL (OCTAGON)

GENERAL ELECTRICAL SYMBOLS

	ELECTRICAL CONNECTION
EPO	EMERGENCY STOP PUSH BUTTON
DPM	DIGITAL POWER METER
PP	AUTOMATIC DOOR PUSH PAD
	PANELBOARD
	UTILITY TRANSFORMER
	SWITCHBOARD
T	TRANSFORMER
	DISCONNECT SWITCH
	UTILITY POWER METER
	COMBINATION STARTER
	ELECTRICAL EQUIPMENT (DASHED LINES INDICATE CODE REQUIRED CLEARANCES)
	GROUND BAR
HH#	HAND HOLE

POWER SYMBOLS

SYMBOL	DESCRIPTION
	DUPLEX / DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, EMERGENCY POWER
	DUPLEX / DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R
CD CR	CORD REEL / CORD DROP
	SIMPLEX RECEPTACLE, NEMA 5-20R
	SPECIAL RECEPTACLE
	RECESSED FLOOR BOX OR POKE-THRU
	CEILING MOUNTED RECEPTACLE, NEMA 5-20R
	SURFACE MOUNT MULTI-OUTLET ASSEMBLY
H $	HORSE POWER RATED SWITCH

FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION
FAP	CONTROL PANEL
NEP	NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL
FAA	REMOTE ANNUNCIATOR PANEL
PIV	POST INDICATOR VALVE AND TAMPER SWITCH
PS	AIR PRESSURE SWITCH
TS	VALVE TAMPER SWITCH
FS	WATER FLOW SWITCH
BR	BEAM SMOKE REFLECTOR
BR	LINEAR BEAM SMOKE DETECTOR
BT	LINEAR BEAM SMOKE DETECTOR
DSD	DUCT SMOKE DETECTOR
RI	DUCT SMOKE DETECTOR REMOTE INDICATOR STATION
H	HEAT DETECTOR ADDRESSABLE
HD	LINEAR HEAT DETECTION CABLE
F	ADDRESSABLE FIRE ALARM MANUAL PULL STATION
SD	SMOKE DETECTOR
#	AUDIO/VISUAL NOTIFICATION APPLIANCE, CEILING MOUNTED
#	VISUAL NOTIFICATION APPLIANCE, CEILING MOUNTED
#	SPEAKER NOTIFICATION APPLIANCE, CEILING MOUNTED
#	SPEAKER/VISUAL NOTIFICATION APPLIANCE, CEILING MOUNTED
A	HORN NOTIFICATION APPLIANCE, WALL MOUNTED
#	AUDIO/VISUAL NOTIFICATION APPLIANCE, WALL MOUNTED
S	SPEAKER NOTIFICATION APPLIANCE, WALL MOUNTED
S #	SPEAKER/VISUAL NOTIFICATION APPLIANCE, WALL SWITCH
V	VISUAL NOTIFICATION APPLIANCE, WALL MOUNTED
AM	ADDRESSABLE MONITOR MODULE
AR	ADDRESSABLE RELAY MODULE
	MAGNETIC DOOR HOLDER
HD	HVAC ELEVATOR HOISTWAY DAMPER
SD	HVAC SMOKE DAMPER
ZAM	ZONE ADAPTER MODULES
CO	CO DETECTOR
VCC	VOICE COMMAND CENTER
DCD	DUCT CO DETECTOR
	BELL
	HIGH FIDELITY SPEAKER - CEILING MOUNT
S	HIGH FIDELITY SPEAKER - WALL MOUNT
ASD	AIR SAMPLING SMOKE DETECTOR
FSD	FIRE SMOKE DAMPER

LIGHTING SYMBOLS

SYMBOL	DESCRIPTION
	CRITICAL FIXTURE (FULL SHADED)
	LIFE SAFETY (HALF SHADED)
	RECESSED MOUNTED (DIAGONAL SLASH)
	SURFACE MOUNTED
	SURFACE OR PENDANT FIXTURE (DOTS)
	POLE MOUNTED SITE FIXTURE
	RECESSED DOWNLIGHT (ARROW INDICATES WALL WASH)
	EMERGENCY LIGHT
	SINGLE / DOUBLE FACED EXIT SIGN
	EMERGENCY REMOTE HEAD (SINGLE/DOUBLE)
	COMBINATION EXIT/EMERGENCY LIGHT
	WALL MOUNTED FIXTURE (STEM OR STEMS)
	CYLINDRICAL FIXTURE (ARROW INDICATES WALL WASH)

LIGHTING CONTROL SYMBOLS

SYMBOL	DESCRIPTION
$	WALL SWITCH
OS	CEILING MOUNT SENSOR, DUAL TECHNOLOGY
IR	CEILING MOUNT SENSOR, INFRARED TECHNOLOGY
UR	CEILING MOUNT SENSOR, ULTRASONIC TECHNOLOGY
PC	PHOTOCELL

GENERAL NOTES

1. ALL INSTALLATIONS SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, THE FLORIDA BUILDING CODES, AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES, AND THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC). THE AUTHORITY HAVING JURISDICTION (AHJ) SHALL HAVE FINAL APPROVAL OF ALL INSTALLATIONS AND PRACTICES.
2. ALL MATERIALS FURNISHED SHALL BE NEW, FREE OF DEFECTS, AND LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) UNLESS NOTED OTHERWISE.
3. INSTALLATION OF EQUIPMENT SHALL COMPLY WITH CURRENT STANDARDS AND SPECIFICATIONS APPROVED BY THE AHJ. INSTALL ALL CABLES AND WIRING IN CONDUIT OR RACEWAY UNLESS NOTED OTHERWISE. DO NOT SUPPORT CABLES OR WIRING FROM CEILING DEVICES, PIPING, DUCTWORK, OR CEILING FRAMING. PROVIDE NEW WIRING FOR ALL BRANCH CIRCUITS AND FEEDERS.
4. FEEDERS SHOWN ON DRAWINGS ARE SCHEMATIC ONLY. CONDUIT RUNS SHALL NOT INCLUDE BENDS GREATER THAN 90 DEGREES. CONDUITS ABOVE GRADE SHALL BE RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES AND STRUCTURE.
5. CIRCUIT WIRING FOR THE EMERGENCY SYSTEM SHALL BE INSTALLED IN SEPARATE CONDUITS OR RACEWAYS AND SHALL REMAIN COMPLETELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT PER NEC REQUIREMENTS.
6. ALL FEEDER AND BRANCH CIRCUITS TO PANELS, MOTORS, LIGHT FIXTURES, RECEPTACLES, AND GENERAL DISTRIBUTION EQUIPMENT SHALL INCLUDE AN EQUIPMENT GROUNDING CONDUCTOR SIZED PER THE NEC. THE CONDUIT SYSTEM SHALL NOT BE USED AS AN EQUIPMENT GROUND.
7. REFER TO MECHANICAL AND PLUMBING EQUIPMENT SCHEDULES FOR EQUIPMENT CONNECTIONS, DISCONNECT REQUIREMENTS, AND CONTROLS. THE ELECTRICAL CONTRACTOR (EC) SHALL PROVIDE AND INSTALL ALL ITEMS INDICATED AS "BY EC" ON THE MECHANICAL AND PLUMBING SCHEDULES.
8. ALL WIRING AND FEEDER SIZES SHOWN ARE BASED ON COPPER CONDUCTORS UNLESS NOTED OTHERWISE. USE OF ALUMINUM FEEDER CONDUCTORS SHALL REQUIRE ENGINEER REVIEW OF FULL CURRENT AND VOLTAGE DROP PRIOR TO INSTALLATION.
9. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL SYSTEMS AND ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS TO MAINTAIN NEC-REQUIRED CLEARANCES, INCLUDING WORKING CLEARANCES AT ELECTRICAL DISTRIBUTION EQUIPMENT AND INSTALLATIONS ABOVE ACCESSIBLE CEILINGS.
10. CONDUIT FOR POWER WIRING MAY BE INSTALLED BELOW FLOOR SLABS UNLESS NOTED OTHERWISE. RACEWAYS FOR LOW-VOLTAGE CABLING (CONTROLS, TELECOMMUNICATIONS, ETC.) SHALL NOT BE INSTALLED BELOW OR WITHIN FLOOR SLABS UNLESS SPECIFICALLY NOTED. WHERE LOW-VOLTAGE CABLING IS ROUTED BELOW OR WITHIN SLABS, CONTRACTOR SHALL VERIFY CABLING IS LISTED FOR SUCH USE.
11. ALL ELECTRICAL CONDUCTORS SHALL BE STRANDED COPPER WITH TYPE THHN/THWN INSULATION UNLESS NOTED OTHERWISE. MINIMUM WIRE SIZE SHALL BE #12 AWG FOR GENERAL WIRING AND #10 AWG FOR HOMERUNS. REFER TO SPECIFICATIONS OR SHEET-SPECIFIC NOTES FOR ADDITIONAL INFORMATION.
12. ALL NEW CIRCUITS REQUIRING NEUTRAL CONDUCTORS SHALL HAVE DEDICATED NEUTRALS. SHARED NEUTRALS ARE NOT PERMITTED.
13. A GREEN EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROVIDED TO ALL LOADS. THE CONDUCTOR SHALL BE SIZED PER THE NEC. ALL GROUNDING CONDUCTORS SHALL BE INSTALLED IN CONDUIT.
14. ALL BUILDING WIRING SHALL BE INSTALLED IN CONDUIT TO ACHIEVE CIRCUITING AS SHOWN. MINIMUM BRANCH CONDUIT SIZE SHALL BE 3/4" UNLESS NOTED OTHERWISE. SIZE CONDUCTORS PER NEC AMPACITY AND CONDUIT FILL REQUIREMENTS.
15. ALL HOME RUN CONDUITS FROM ELECTRICAL PANELBOARDS TO THE FIRST JUNCTION BOX SHALL BE A MINIMUM OF 1" CONDUIT AND SHALL TERMINATE IN A 4-11/16" SQUARE BY 2-1/8" DEEP (MINIMUM) JUNCTION BOX. JUNCTION BOX COVERS SHALL BE PAINTED AND CLEARLY MARKED WITH CIRCUIT NUMBERS. EACH HOME RUN RACEWAY SHALL HAVE SPARE CAPACITY FOR ONE (1) ADDITIONAL CIRCUIT AND ITS DEDICATED NEUTRAL.
16. MC CABLING SHALL NOT BE USED UNLESS SPECIFICALLY NOTED OTHERWISE.
17. ALL CONDUITS SHALL BE CONCEALED IN WALLS, ABOVE CEILINGS, ETC., WHERE POSSIBLE.
18. ALL CONDUIT ROUTED EXPOSED IN FINISHED SPACES SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO WALLS AND CEILINGS. EXPOSED CONDUIT ROUTING SHALL BE REVIEWED WITH THE ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.
19. COORDINATE THE EXACT LOCATION OF ALL DEVICES ABOVE OR BELOW COUNTERTOPS OR SIMILAR INSTALLATIONS WITH OTHER TRADES, ARCHITECTURAL ELEVATIONS, AND APPROVED SUBMITTALS PRIOR TO ROUGH-IN. ARCHITECTURAL ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER ELECTRICAL DRAWINGS.
20. ALL CUTTING AND PATCHING REQUIRED FOR CONDUITS, DEVICES, OR OTHER ELECTRICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR UNLESS NOTED OTHERWISE.
21. ALL PENETRATIONS THROUGH FIRE-RATED WALLS, FLOORS, AND CEILINGS SHALL BE SEALED WITH AN NRTL-APPROVED FIRESTOP SYSTEM EQUAL TO OR EXCEEDING THE RATING OF THE PENETRATED ASSEMBLY.
22. COORDINATE LOCATIONS OF ALL ELECTRICAL ITEMS INCLUDING, BUT NOT LIMITED TO, LIGHTING FIXTURES, CEILING-MOUNTED DEVICES (OCCUPANCY SENSORS, FIRE ALARM DEVICES, SPEAKERS, ETC.), SPRINKLER HEADS, AND HVAC DIFFUSERS/RETURNS. CENTER DEVICES IN CEILING TILES WHERE POSSIBLE.
23. ALL CEILING DEVICES REQUIRING WIRE TERMINATIONS SHALL BE INSTALLED WITH MANUFACTURER-RECOMMENDED BACK BOXES AND SUPPORTS AS REQUIRED BY THE NEC OR MANUFACTURER.
24. COORDINATE ALL MOUNTING OF ELECTRICAL MATERIALS, EQUIPMENT, AND DEVICES REQUIRED FOR EQUIPMENT SUPPLIED BY OTHERS. ELECTRICAL INSTALLATIONS SHALL NOT INTERFERE WITH OPERATION OR ACCESS. ALL SUCH INSTALLATIONS SHALL BE REVIEWED AND APPROVED BY THE SUPPLYING CONTRACTOR PRIOR TO ROUGH-IN.
25. BOXES LOCATED ON OPPOSITE SIDES OF FIRE-RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" OR SHALL BE PROTECTED WITH A FIRE-RATED MATERIAL EQUAL TO OR GREATER THAN THE WALL RATING.
26. BOXES LOCATED ON OPPOSITE SIDES OF NON-FIRE-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6".
27. REMOVE AND REINSTALL CEILING TILES AS NECESSARY TO PERFORM REQUIRED ELECTRICAL WORK. REPLACE ALL DAMAGED CEILING TILES WITH NEW TILES OF THE SAME MANUFACTURER AND MODEL.
28. PROVIDE FIELD TYPED PANELBOARD DIRECTORIES TO REFLECT AS-CONSTRUCTED CONDITIONS.
29. ALL REQUESTS FOR CHANGE PROPOSALS SHALL INCLUDE DETAILED BREAKDOWNS OF MATERIALS, LABOR, AND SUBCONTRACTOR COSTS. SUPPLIER QUOTES SHALL BE PROVIDED ON SUPPLIER LETTERHEAD. LABOR UNITS FOR NEW MATERIAL INSTALLATIONS SHALL NOT EXCEED 75% OF NECA 1 "NORMAL CONDITION" RATES WITHOUT SPECIFIC APPROVAL.

ELECTRICAL SHEET LIST

EF000	ELECTRICAL COVER PAGE
ES101	ELECTRICAL BID #2 SITE PLAN
ES102	ELECTRICAL SITE LIGHTING PLAN
ES103	ELECTRICAL SITE PHOTOMETRIC PLAN
ELF100	ELECTRICAL LIGHTING PLAN
EPF100	ELECTRICAL POWER PLAN
EPF300	ELECTRICAL ROOF PLAN
EF500	ELECTRICAL DETAILS
EF501	ELECTRICAL DETAILS
EF600	ELECTRICAL SCHEDULES

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ESCAMBIA COUNTY AREA TRANSIT - FACILITY:
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Revisions

PROJECT NO. 2613
STATUS BID PACKAGE 2 - NOT FOR CONSTRUCTION
DATE 10/22/2026
DRAWN BY ADG

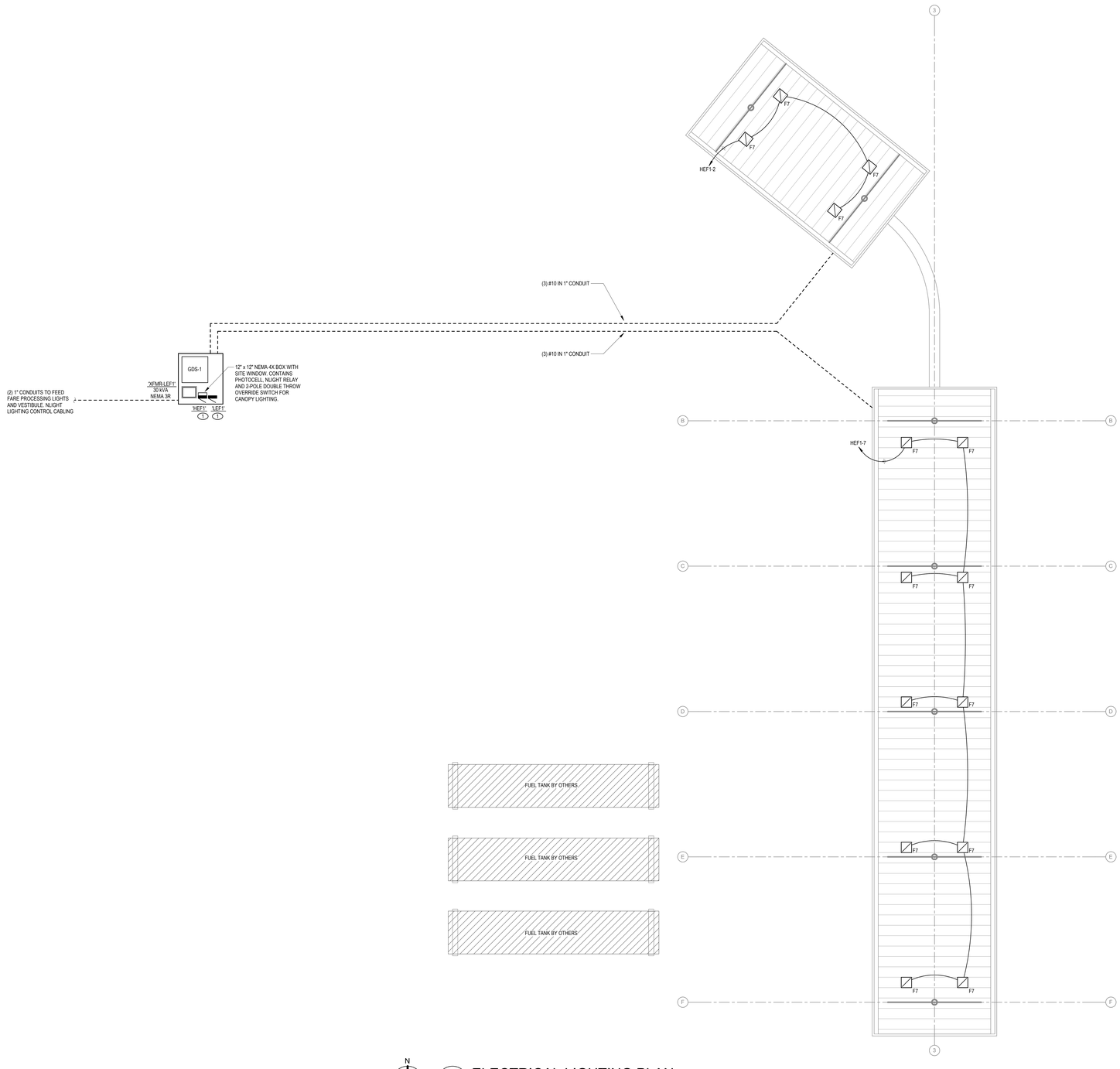
ELECTRICAL COVER PAGE EF000

GENERAL NOTES:

1. ALL WIRING, RACEWAYS AND BOXES SHALL MEET NEC ARTICLE 514 CLASS 1 DIVISION 2 SPECIFICATIONS UNDER THE FUEL CANOPY OR WITHIN 20' OF FUEL PUMPS.
2. ELECTRICAL CONTRACTOR TO COORDINATE FINAL SECURITY CAMERA PLACEMENTS ON SITE LIGHTING POLE PRIOR TO ORDERING LIGHT POLES. REFER TO TECHNOLOGY PLANS FOR EXACT CAMERA PLACEMENT ON POLES.

KEYED NOTES:

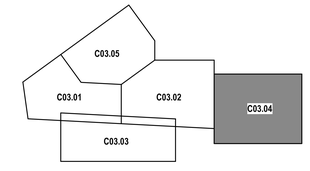
1. PANEL SHALL BE LOCATED NEARBY INDICATED LOCATION MOUNTED TO STRUT.



N

1 ELECTRICAL LIGHTING PLAN

1/8" = 1'-0"



KEY MAP

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PROJECT NO.	2613
STATUS	BID PACKAGE 2 - NOT FOR CONSTRUCTION
DATE	10/22/2026
DRAWN BY	ADG

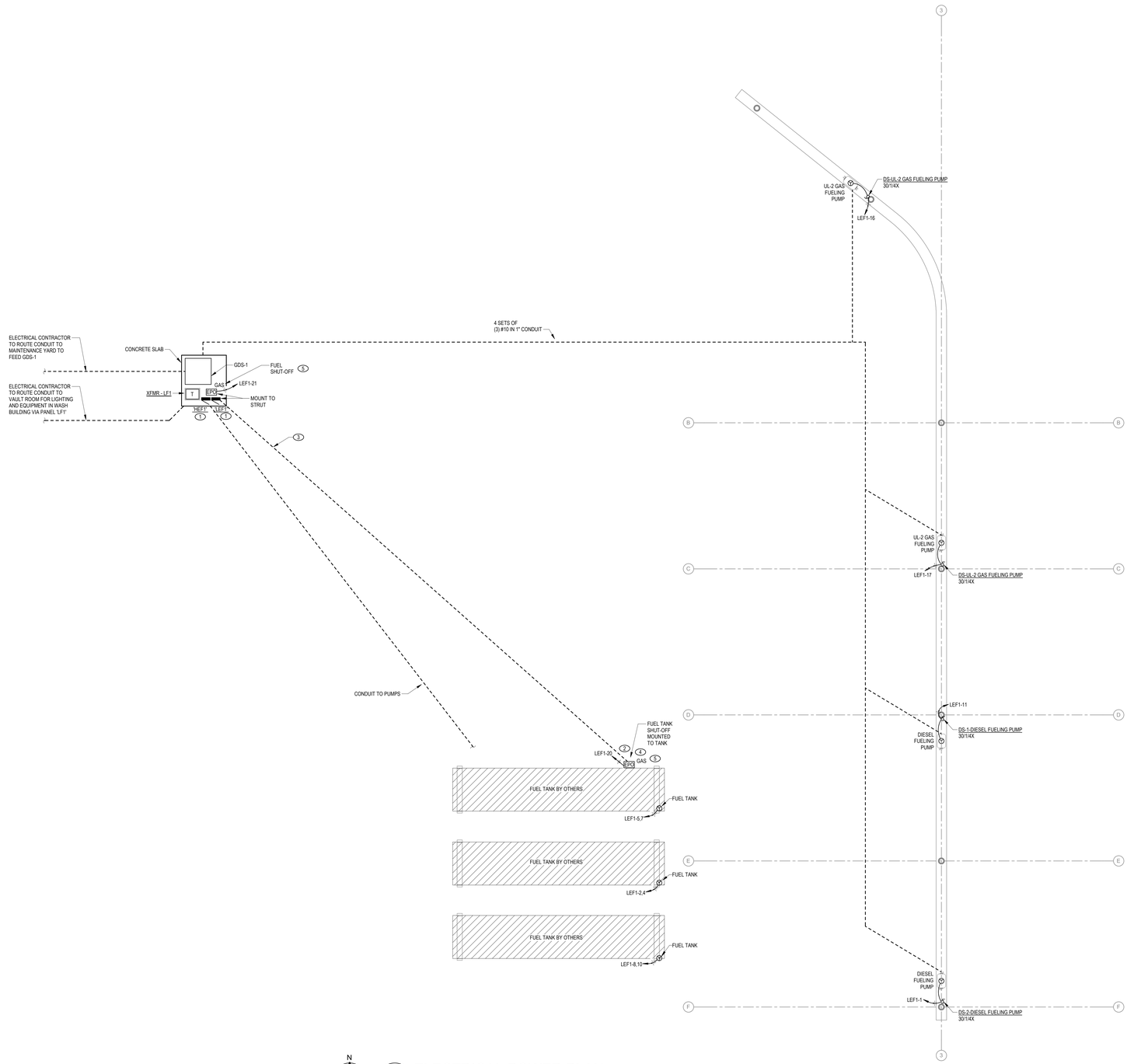
ELECTRICAL LIGHTING PLAN **ELF100**

GENERAL NOTES:

1. ALL WIRING, RACEWAYS AND BOXES SHALL MEET NEC ARTICLE 514 CLASS 1 DIVISION 2 SPECIFICATIONS UNDER THE FUEL CANOPY OR WITHIN 20' OF FUEL PUMPS.

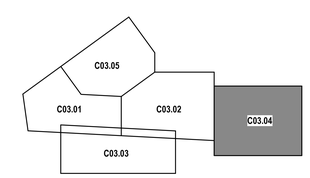
KEYED NOTES:

1. PANEL SHALL BE LOCATED NEARBY INDICATED LOCATION MOUNTED TO STRUT.
2. EMERGENCY POWER OFF FOR FUELING PUMPS, MOUNT TO STRUT WITH ADDITIONAL SIGNAGE FACING FUELING STATION.
3. PROVIDE (2) 1" CONDUITS TO FUEL FILLING AREA FROM ELECTRICAL PANELS FOR POWER AND CONTROL WIRING.
4. COORDINATE POWER AND CONTROL WIRING WITH OWNER FOR FUELING AREA. PROVIDE SEAL OFFS AND RIGID METALLIC CONDUIT.
5. ELECTRICAL CONTRACTOR TO PROVIDE CLEARLY MARKED SIGNAGE FOR EPO LOCATION(S).



N

1 ELECTRICAL POWER PLAN
1/8" = 1'-0"



KEY MAP

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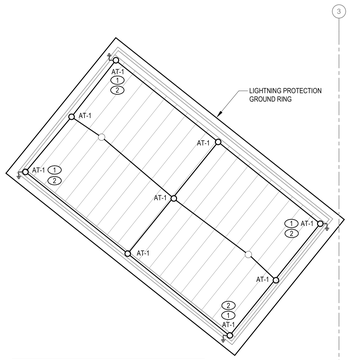
OWNER ID:
Design and Construction Administration Division
ESCAMBIA COUNTY, FL
100 E. BLOUNT ST. PENSACOLA, FL 32501

Revisions

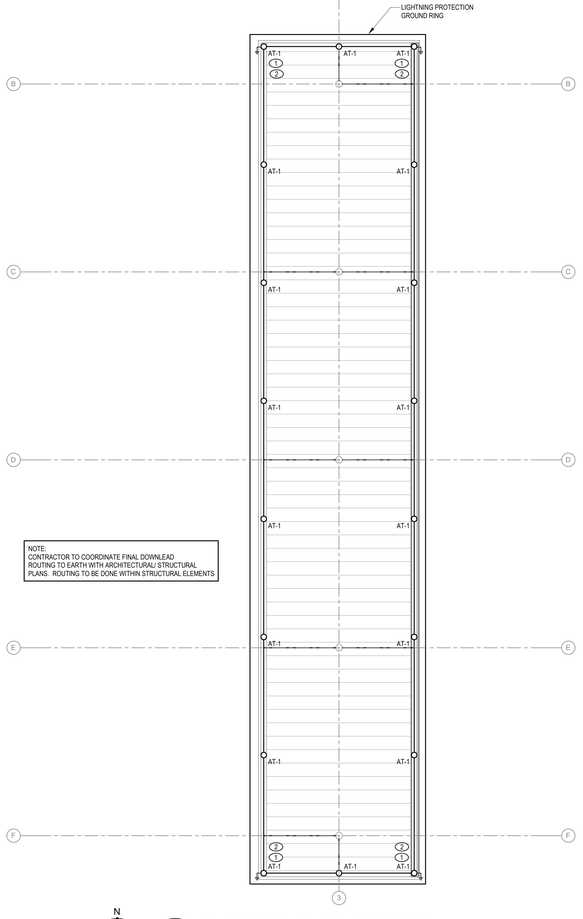
PROJECT NO.	2613
STATUS	BID PACKAGE 2 - NOT FOR CONSTRUCTION
DATE	10/22/2026
DRAWN BY	ADG

ELECTRICAL POWER PLAN **EPF100**

GENERAL ELECTRICAL SCHEDULE		
⏚	GROUND ROD LOCATION	CAT. NO 10T COPPER BONDING WIRE (14 STR., X 17 GA.)



NOTE:
CONTRACTOR TO COORDINATE FINAL DOWNLEAD ROUTING TO EARTH WITH ARCHITECTURAL/ STRUCTURAL PLANS. ROUTING TO BE DONE WITHIN STRUCTURAL ELEMENTS



NOTE:
CONTRACTOR TO COORDINATE FINAL DOWNLEAD ROUTING TO EARTH WITH ARCHITECTURAL/ STRUCTURAL PLANS. ROUTING TO BE DONE WITHIN STRUCTURAL ELEMENTS

N

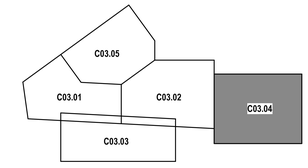
1 ELECTRICAL ROOF PLAN
1/8" = 1'-0"

KEYED NOTES:

1. PROVIDE LIGHTNING PROTECTION DOWNLEAD CONDUCTOR VIA ROOF PENETRATION. CONNECT DOWNLEAD CONDUCTOR TO BUILDING STEEL. REFER TO LIGHTING PROTECTION DETAILS ON SHEET EP501 AND MANUFACTURER'S SHOP DRAWINGS FOR ADDITIONAL INFORMATION. INSTALL 3/4" X 10' COPPER CLAD GROUND ROD FOR CONNECTION TO THE DOWNLEAD CONDUCTOR.
2. CONNECT DOWNLEAD CONDUCTOR TO BUILDING GROUNDING RING.

NOTES:

1. REFER TO EA502 FOR LIGHTNING PROTECTION INSTALLATION DETAILS.
2. ALL LIGHTNING PROTECTION DOWN CONDUCTORS SHALL BE ROUTED WITHIN BUILDING WALL, COLUMNS AND UTILITY CHASES. CONCEALED CONDUCTORS SHALL BE INSTALLED IN NONMETALLIC PVC SLEEVES WHERE PASSING THROUGH FLOORS, WALLS AND FOUNDATIONS. BOND ALL METALLIC SYSTEMS WITHIN SIDE-FLASH DISTANCE IN ACCORDANCE WITH NFPA 780. FIRESTOP ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH LISTED FIRE STOP SYSTEMS.
3. ALL CONDUCTORS SHALL BE COPPER.
4. THE DESIGN & DETAILS SHOWN WILL MEET THE REQUIREMENTS OF UNDERWRITERS LABORATORY CODE 96/96A, NATIONAL FIRE PROTECTION ASSOCIATION CODE 780 & THE LIGHTNING PROTECTION INSTITUTE CODE 175 FOR LIGHTNING PROTECTION SYSTEMS.
5. A CONDUCTOR BEND SHALL NOT FORM A SHARPER ANGLE THAN 90 DEGREES OR HAVE RADIUS LESS THEN 8 INCHES.
6. METAL BODIES OF INDUCTANCE LOCATED WITHIN 6' OF A MAIN LIGHTNING COMPONENT SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM. (INCLUDING BUT NOT LIMITED TO METAL VENTS, FLASHING, LOUVERS & ROOF DRAINS).
7. CONNECTIONS TO GROUND AND/ OR COUNTERPOISE SHALL BE MADE AT A POINT NOT LESS THAN 2'-0" BELOW GRADE, AND 3'-0" TO 8'-0" AWAY FROM FOUNDATION WALL.
8. AIR TERMINAL SHALL BE PLACED AT THE LOCATIONS INDICATED, NOT MORE THAN 2'-0" FROM THE ENDS OF RIDGES, OUTSIDE CORNERS, OR OUTSIDE EGRESS OF MAIN ROOFS, AND MUST EXTEND A MINIMUM OF 10" ABOVE THE OBJECTS TO BE PROTECTED.
9. MID-ROOF AIR TERMINALS SHALL BE SPACED AT 40'-0" O.C. MAX. SPACING.
10. PERIMETER AIR TERMINALS THAT ARE LESS THAN 24" IN HEIGHT SHALL BE SPACED AT 20'-0" O.C. MAX PERIMETER AIR TERMINALS THAT AREA 24" IN HEIGHT OR GREATER SHALL BE SPACED AT 25'-0" O.C. MAX.
11. JOB CONDITIONS MAY DICTATE SLIGHT VARIATIONS IN AIR TERMINAL AND GROUND ROD LOCATIONS, BUT IN NO INSTANCE SHALL A VARIATION BREAK COMPLIANCE WITH THESE NOTES AND REQUIREMENTS.
12. CONDUCTORS SHALL MAINTAIN A HORIZONTAL OR DOWNWARD PATH FREE FROM "U" AND "V" POCKETS. ANY RISE IN CONDUCTOR SHALL BE NO STEEPER THAN 3" OF RISER PER 12" OF RUN.
13. COPPER LIGHTNING PROTECTION MATERIALS SHALL NOT BE PLACED ON ALUMINUM, GALVANIZED, OR BARE GALVANIZED STEEL SURFACES. ALUMINUM MATERIALS SHALL NOT BE PLACED ON COPPER SURFACES.
14. FOR THE SAKE OF CLARITY EACH INDIVIDUAL ITEM OF LIGHTNING PROTECTION MATERIALS IS NOT CALLED OUT ON THE ROOF PLAN. SHOWN ARE TYPICAL DETAILS AND HAVE CALLED OUT EACH OF THESE DETAILS ON THE ROOF PLAN. ONLY IN SCATTERED LOCATIONS.
15. ALL MISCELLANEOUS STEEL INCLUDING BUT NOT LIMITED TO STRUCTURAL STEEL, REBAR, FRAMING & RAILINGS, SHALL BE MADE ELECTRICALLY CONTINUOUS THROUGH CONSTRUCTION (NOT THE RESPONSIBILITY OF THE LIGHTNING PROTECTION CONTRACTOR).
16. ELECTRIC, TELEPHONE, ANTENNA SYSTEM, AND OTHER MISCELLANEOUS GROUNDING SHALL BE CONNECTED WITH MAIN SIZED CONDUCTOR TO ANY LIGHTNING PROTECTION GROUND.
17. A LIGHTNING ARRESTOR, PROTECTOR, OR ANTENNA-DISCHARGE UNIT MUST BE INSTALLED ON EACH ELECTRIC AND TELEPHONE SERVICE ENTRANCE AND RADIO AND TELEVISION ANTENNA LEAD IN. (TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR).
18. ALL ADHESIVE FIXTURES SHALL BE SET WITH AN ADHESIVE COMPOUND COMPATIBLE WITH ROOFING MATERIAL. ADHESIVES SHALL BE APPROVED IN ADVANCE BY THE ROOFING CONTRACTOR.
19. BOND ALL METAL PIPES SUCH AS WATER, GAS, FIRE, STORM, SEWER WHICH ENTER THE STRUCTURE TO THE NEAREST DOWNLOAD, GROUND ROD OR COUNTERPOISE.
20. SEAL THE ENDS OF CONDUIT MOISTURE TIGHT WITH DUCT SEAL, SILICONE OR LEAD WEDGES (NOT THE RESPONSIBILITY OF THE LIGHTNING PROTECTION CONTRACTOR).
21. CABLE MUST BE FASTENED EVERY 3'-0" O.C. MAXIMUM.
22. THE LIGHTNING PROTECTION INSTALLER IS TO CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE THE WORK IS STARTED. INSTALLERS WHO FAIL TO VERIFY, REVIEW, AND COORDINATE THE WORK SHALL TAKE FULL RESPONSABILITY FOR THE WORK AND ANY PORTION OF THE WORK THAT IS IMPROPERLY INSTALLED OR LOCATED. THE INSTALLER SHALL NOTIFY THE DESIGNER IF DIMENSIONAL ERRORS OR DESIGN CONFLICTS OCCUR, AND SHALL PROCEED ONLY UPON CLARIFICATION OR REVISION AS ISSUED BY ROBBINS LIGHTNING, INC.
23. ALL LIGHTNING PROTECTION SYSTEMS REQUIRE PROPERLY INSTALLED SURGE PROTECTIVE DEVICES AS OUTLINED IN PARAGRAPH 13 OF UL 96A.
24. WHERE POSSIBLE, SECURELY INSERT CABLE INTO EXISTING SPLICER OR POINT BASE TO CONSERVE SPLICERS.
25. PICTURES NEED TO BE TAKEN WHERE BONDS ARE GOING TO BE CONCEALED OR BURIED SUCH AS WATER, GAS, & ELECTRIC BONDS; GROUND RODS; THRU WALLS & THRU ROOFS. (INTERIOR PICTURES).
26. THIS SYSTEM INCLUDES BONDING TO GAS PIPING PER CURRENT CODES. IF "CSST" GAS PIPING IS PRESENT, CURRENT PRACTICE MAY BE INADEQUATE TO PREVENT FLASHOVER FROM THE LIGHTNING PROTECTION SYSTEM. BONDING METHODS ARE UNDER CODE REVIEW. THE LIGHTNING PROTECTION MANUFACTURER, INSTALLER, LPI AND LPI-IP ACCEPT NO LIABILITY DUE TO LACK OF CONSENSUS ON MEASURES REQUIRED TO PREVENT DAMAGE, INJURY, OR LOSS DUE TO "CSST" FAILURES.
27. ALL ADDITIONAL GROUNDING SHALL BE PROVIDED & INSTALLED BY OTHERS. I.E.: TRANSFORMER, BUS-BAR, ETC.
28. ALL WIRING, RACEWAYS AND BOXES SHALL MEET NEC ARTICLE 514 CLASS 1 DIVISION 2 SPECIFICATIONS UNDER THE FUEL CANOPY OR WITHIN 20' OF FUEL PUMPS.



KEY MAP

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PROJECT NUMBER 13-026

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ELECTRICAL ROOF PLAN **EPF300**

EQUIPMENT	KED-BSE DRAWINGS - DEVICE LOCATIONS	EQUIPMENT BY OWNER	INSTALLATION OF EQUIPMENT	INSTALLATION OF CABLE	ROUGH-IN AND PATHWAY INSTALLATION	COMMENTS
TELEPHONE SYSTEM		X	OWNER			VOIP SYSTEM (Using existing system)
WIRELESS ACCESS POINTS - EQUIPMENT	X	X	OWNER	SECURITY ENGINEERING	EC	OWNER TO PROVIDE EQUIPMENT (DESIGN STILL NEEDED FOR DROP LOCATIONS AND DATA INSTALLATION BY SECURITY ENGINEERING)
WIRELESS ACCESS POINT ROUGH-IN - (1) CAT 6 PLENUM CABLING	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
HORIZONTAL CABLING CAT6 PLENUM CABLE- PHONE/PRINTERS/FAX/ANALOG TYPE CABLE	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
HORIZONTAL CABLING CAT6 PLENUM FOR FLOOR BOX - NETWORK	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
HORIZONTAL CABLING CAT6 PLENUM - CAMERA	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
HORIZONTAL CABLING CAT6 PLENUM - NETWORK	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
TESTING - FIBER AND CAT6A AND LABELING	x		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
FIBER DISTRIBUTION CABINET	X		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
RACK HORIZONTAL MANAGER	X		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
RJ-45 JACKS AT WORKAREA AND IDF MODULAR PATCH PANEL	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
FACEPLATES	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
MODULAR PATCH PANEL	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
EQUIPMENT RACKS (4POST IN THE MDF AND 2POST IN IDF TYPE WITH VERTICAL /HORIZONTAL MANAGERS)	X		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
COPPER PATCH CORDS AT RACK	X		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
COPPER PATCH CORDS AT WORKSTATIONS	X		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
BACKBONE FIBER OPTIC CABLING -TERMINATIONS BETWEEN THE MDF AND IDF ROOMS	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
FIBER PATH CORDS	X		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
MDF/IDF ROOM - TELECOM TERMINAL BOARD, CONDUIT SLEEVES, OVERHEAD LADDER RACK AND GROUNDING BAR	X		EC	EC	EC	
NETWORK SWITCHES		X	BY OWNER	BY OWNER		EQUIPMENT TO BE PURCHASED BY OWNER
ROUTERS, MODEMS, PHONE EQUIPMENT, HANDSETS		X	BY OWNER	BY OWNER		EQUIPMENT TO BE PURCHASED BY OWNER
CONDUITS-J-BOXES					EC	
SERVICE PROVIDER CABLING TO THE MDF -NETWORK	X		UNITI	UNITI	EC	OWNER TO WORK WITH THERE PREFERRED INTEGRATOR AND COORDINATE ALL CONTRACTS OF ESTABLISHING SERVICE TO THE FACILITY
CONDUIT ROUTE FROM THE SERVICE PROVIDERS MEET ME POINT TO THE MDF IN ADMINISTRATION BUILDING. INCLUDES CONDUITS AND HANDHOLES INTO THE MDF/IDF ROOMS	X				EC	
WIRED BASKET TRAY	X				EC	
MASS NOTIFICATION / PAGING SPEAKERS - INTERIOR AND EXTERIOR	X	X	SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SPEAKERS TO BE INSTALLED BY OWNER AND DATA CABLE TO BE INSTALLED BY SECURITY ENGINEERING
MASS NOTIFICATION / PAGING SYSTEM HEADEND	X		OWNERS VENDOR	OWNERS VENDOR	EC	INTERGRATED WITH EXISTING NOTIFICATION SYSTEM (INFORMACAST)
ACCESS CONTROL PANEL - LENEL ONGUARD	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
CARD READERS- DUAL AUTHENTICATIONS	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
CODE BLUE STATIONS INTERCOM/CAMERA PEDESTALS -CODE BLUE	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
ELECTRIC LATCH/STRIKES -PROVIDED BY DOOR HARDWARE INTEGRATOR	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
DOOR CONTACT	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
LOCKDOWN	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
REQUEST TO EXIT	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
PANIC ALARM SWITCHES	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
CCTV CAMERA SYSTEM - SOFTWARE, CAMERAS LICENSES, AND STORAGE -AVIGILON		X	S			TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
CCTV MONITOR -VIEWING STATION 55" TV	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
CCTV CAMERAS INTERIOR AND EXTERIOR - AVIGILON	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
AREA OF REFUGE MASTER HEADEND AND INTERCOM BUTTON AND WIRING	X		EC	EC	EC	
TV'S AND TV MOUNTS WITH BRIGHT SIGN DIGITAL MEDIA PLAYER -DIGITAL SIGNAGE LOCATIONS	X		EC	EC	EC	TRANSIT BUS MESSAGE BOARDS-ONLY -NO DIGITAL SIGNAGE LOCATIONS ANYWHERE ELSE FOR THE PROJECT
TRAINING ROOM AND CONFERENCE ROOM - FLOOR BOXES ONLY	X		EC	EC	EC	
TRAINING ROOM AV SYSTEM -TV'S TV MOUNTS, FRONT/REAR CAMERAS, AMPLIFER, SPEAKERS, VIDEO CONFERENCE INTERFACE (SOFT CODEC- TEAMS / ZOOM) (HDMI INPUT AND CONTROLS FRONT OF ROOM)	X		OWNERS VENDOR	OWNERS VENDOR	EC	OWNER CHECKING ON TO SEE IF PROVIDED BY OWNERS VENDOR OR TO BE PART OF THE CONSTRUCTION DOCUMENTS
CONFERENCE ROOM AV SYSTEM -TV'S TV MOUNTS, FRONT CAMERAS, AMPLIFER, SPEAKERS, VIDEO COMFERENCE INTERFACE (SOFT CODEC- TEAMS / ZOOM) (HDMI INPUT AND CONTROLS AT CONFERENCE TABLE)	X		OWNERS VENDOR	OWNERS VENDOR	EC	OWNER CHECKING ON TO SEE IF PROVIDED BY OWNERS VENDOR OR TO BE PART OF THE CONSTRUCTION DOCUMENTS
MEETING ROOM AV SYSTEM -CEILING PROJECTOR, CEILING PROJECTOR SCREEN, TV DISPLAYS FOR BACK OF HOUSE VIEWING, FRONT/REAR CAMERAS,AMPLIFER, SPEAKERS, VIDEO CONFERENCE INTERFACE (SOFT CODEC- TEAMS / ZOOM) (HDMI INPUT AND CONTROLS AT LECTURN)	X		OWNERS VENDOR	OWNERS VENDOR	EC	OWNER CHECKING ON TO SEE IF PROVIDED BY OWNERS VENDOR OR TO BE PART OF THE CONSTRUCTION DOCUMENTS
TV'S AND TV MOUNTS WITH HDMI CABLING FOR PRESENTATION IN OFFICES TYPE-SIZE ROOMS -(RADIO, CALL CENTER, SAFETY OFFICER, ACCOUNTING, FINANCE, DIV MANAGER, DEPUTY DIRECTOR, DIRECTOR, MAINTENANCE SUPERVISOR, FACILITY MANAGER, AND FACILITY MANAGER)	X		EC	EC	EC	
INTERCOM CAMERA/DOOR STATION AND INTERCOM MASTER STATION AT GATE ENTRANCES AND ENTRANCES INTO FACILTY - AIPHONE	X		EC	EC	EC	
UPS	X		EC	EC	EC	
TIME CLOCK LOCATIONS (NETWORK CABLING) • ADMIN BUILDING: CORR 113 ON WALL OF ROOM AND ROOM 158 LOCKER RM(TWO CLOCKS) • MAINT BLDG: CORR 101 • TRANSFER CNTR: INSIDE DOOR OF BREAK RM ON WALL ON THE RIGHT SIDE.	X		OWNERS VENDOR	OWNERS VENDOR	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
PRINTER LOCATIONS (NETWORK CABLE) ADMIN BUILDING: OFFICE SUPPLIES 121, RECEPT 120. SAFETY HALLWAY, RECEPT 104. DISPATCH / RADIO ROOMS, CALL CENTER. MAINTENANCE BUILDING: MAINTENANCE SUPERVISOR OFFICE, ROOM123, TRANSFER BUILDING: CUSTOMER SERVICE ARA, AND ADMIN BUILDING ROOM 104 AND 105	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
CATV JACKS: ADMIN BUILDING ROOMS -DIR RM 124, DEPUTY DIR RM 125, DIV MAN RM 126, FIN RM 127, ACCNT RM 128. CONF RM 129, TRAIN RM 102, CHIEF SAFETY RM 140, SAFETY MAN RM 106, DISPATCH RM 151,RADIO RM 152 & 153, CALL CNTR RM 155, MEET RM 201. MAINT BLDG: BREAK RM 102, FACILITY MAN RM 104, MAIN MAN RM 122. TRANSFER CENTER: CUSTOMER WAITING RM, CUST SERV RM 339, AND BREAK RM 347	X		EC	EC	EC	
RADIO ROOM EQUIPMENT/ANTENNA LOCATIONS THE TWO RADIO ROOMS IN THE ADMIN BUILDING ARE THE ONLY ROOMS THAT WILL GET RADIOS INSTALLED.						**EQUIPMENT TO BE RELOCATED FROM EXISTING LOCATION. OWNERS VENDOR (CES) TO RELCOATE/RE-INSTALL/TEST EQUIPMENT**
CATV SYSTEM HORIZONTAL CABLE TO THE NEAREST MDF/IDF-NO SPLITTER, COUPLERS, OR TAPS	X		EC	EC	EC	
AMPLFIERS	X		EC	EC	EC	

2 TECHNOLOGY RESPONSIBILITY MATRIX
N.T.S.

PANEL "___#___"

FED FROM "___#___"

(VOLTAGE)

(AIC RATING)

PHASE A - BLACK
PHASE B - RED
PHASE C - BLUE
NEUTRAL - WHITE
GROUND - GREEN

ENGINEER: KEDbluestone

CONTRACTOR:

4 PANEL BOARD NAMEPLATE
N.T.S.

NOTES:

1. FOR 208V SYSTEMS, FOLLOW COLORS AS SHOWN.
2. FOR 480/277 SYSTEMS, COLOR SHALL BE AS FOLLOWS:

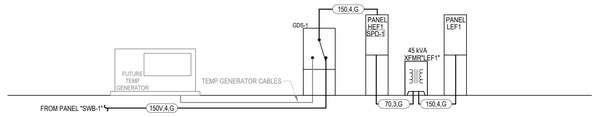
   PHASE A - BROWN
   PHASE B - ORANGE
   PHASE C - YELLOW
   NEUTRAL - GRAY
   GROUND - GREEN

3. NAME PLATE SHALL BE PERMANENTLY ATTACHED TO PANELBOARD. REFER TO SPECIFICATION SECTION 260553 FOR NAMEPLATE CONSTRUCTION REQUIREMENTS.

MINIMUM BRANCH CIRCUIT FEEDER SIZE (RHW, THHW, THW, THWN, XHHW, XHWN, USE, ZE) BASED ON NEC 2020 AT 75°C

BREAKER SIZE	PHASE/NEUTRAL	GRD	CONDUIT
20A	#12	#12	3/4"
25A	#10	#10	3/4"
30A	#10	#10	3/4"
35A	#8	#10	1"
40A	#8	#10	1"
50A	#6	#10	1"
60A	#4	#10	1-1/4"
70A	#4	#8	1-1/4"
80A	#3	#8	1-1/2"
100A	#1	#8	2"

3 ELECTRICAL BRANCH FEEDER SCHEDULE
N.T.S.



PANEL FEEDER SCHEDULE - COPPER						
CALL OUT	OCPD RATING	PARALLEL SETS	PHASE	NEUTRAL	GRD	CONDUIT
70.3.G	70	1	#4	#4	#8	1-1/4"
100.4.G	100	1	#3	#3	#8	1-1/4"
150.4.G	150	1	#1/0	#1/0	#6	2"
150V.4.G	150	1	#3/0	#3/0	#6	2"

1 ELECTRICAL RISER DIAGRAM
N.T.S.

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PROJECT NUMBER: 126-030
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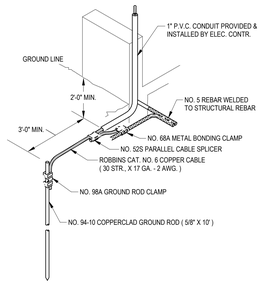
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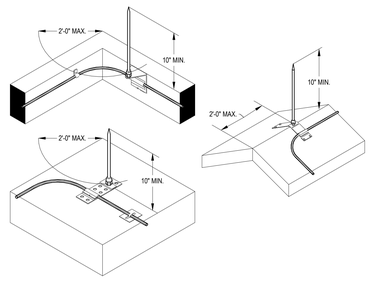
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DATE 10/22/2026
DRAWN BY ADG

ELECTRICAL DETAILS **EF500**



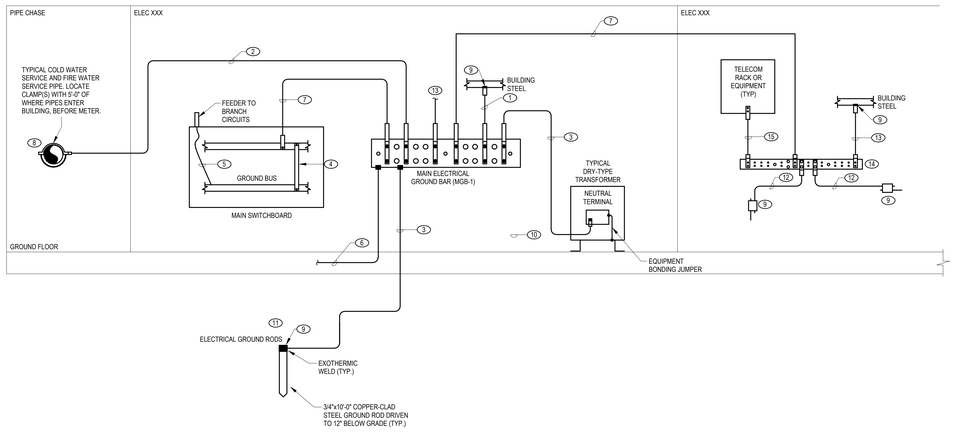
10 REBAR BOND & GROUNDING CONNECTION DETAIL
N.T.S.



9 PLACEMENT OF AIR TERMINAL ON OUTSIDE CORNERS
N.T.S.

NOTES:

1. AIR TERMINALS MUST BE WITHIN 2' FROM AN OUTSIDE CORNER AS INDICATED, THIS WOULD APPLY TO ALL SITUATIONS. PARAPETS, FLAT ROOFS, METAL UNITS, ETC.



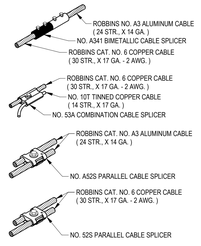
GENERAL NOTES:

1. SEAL ANY HOLES IN EXTERIOR WALLS OR FOUNDATIONS. FINISH TO MATCH SURFACE.
2. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. ALL CONDUCTORS TO BE ROUTED IN CONDUIT UNLESS NOTED OTHERWISE.
4. REFER TO T-SERIES DRAWINGS FOR MORE INFORMATION REGARDING GROUNDING BAR(S).

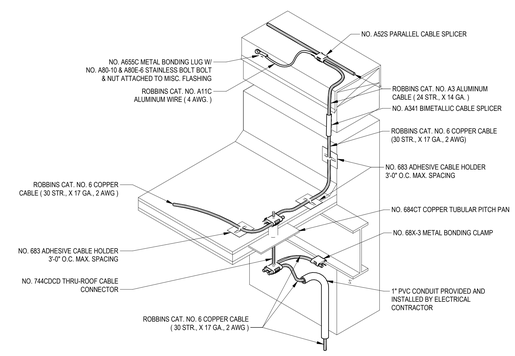
KEYED NOTES:

1. BUILDING STEEL GROUNDING ELECTRODE CONDUCTOR.
2. WATER SERVICE BONDING CONDUCTOR.
3. GROUNDING ELECTRODE CONDUCTOR AND ASSOCIATED GROUND RODS.
4. MAIN BONDING JUMPER.
5. EQUIPMENT GROUND CONDUCTOR; SIZE PER NEC TABLE 250.122 OR AS SHOWN ON THE PLANS.
6. CONCRETE ENCASED ELECTRODE. MINIMUM 20'-0" LENGTH.
7. MAIN GROUND BAR BONDING CONDUCTOR; #3/0 COPPER MINIMUM OR AS SHOWN ON THE PLANS.
8. PROVIDE #2/0 COPPER JUMPER OVER WATER METER AND GROUND STRAPS FOR WATER PIPING.
9. UL LISTED EXOTHERMIC OR PERMANENT COMPRESSION STYLE CONNECTION.
10. MAIN COPPER GROUNDING ELECTRODE CONDUCTOR; SIZE PER NEC TABLE 250.66 OR AS SHOWN ON THE PLANS (#2/0 MINIMUM).
11. FURNISH AND INSTALL COUNTERPOISE SYSTEM GROUND ROD USING AN EXOTHERMIC CONNECTION. VERIFY THAT SERVICE GROUND IMPEDANCE IS LESS THAN 5 OHMS.
12. INTERCONNECTING BONDING CONDUCTOR; #3/0 COPPER MINIMUM OR AS SHOWN ON THE PLANS.
13. BONDING CONDUCTOR; #6 COPPER WITH GREEN INSULATION.
14. GROUND BAR. REFER TO DRAWINGS AND GENERAL ELECTRICAL SCHEDULE FOR MORE INFORMATION.
15. BONDING CONDUCTOR BETWEEN GROUND BAR AND DATA RACK. #6 COPPER WITH GREEN INSULATION. CONDUCTOR IS NOT REQUIRED TO BE IN CONDUIT.

11 GROUNDING RISER DIAGRAM
N.T.S.



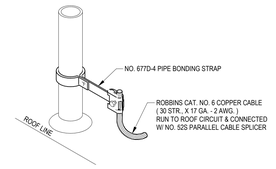
8 SPLICER DETAIL
N.T.S.



6 LASHING BOND, THRU ROOF, STEEL BOND & DOWNLEAD
N.T.S.

NOTES:

1. ROOFING CONTRACTOR TO INSTALL & SEAL ROOFING PENETRATIONS
2. ROOFING CONTRACTOR TO INSTALL PITCH PAN ON TOP OF INSULATION
3. A MINIMUM OF 2" OF THREADED ROD MUST BE LEFT ABOVE TOP OF PITCH PAN

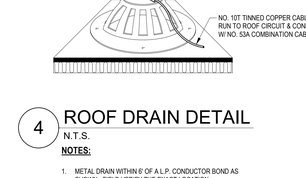


7 ROOF VENT DETAIL
N.T.S.

NOTES:

1. METAL V.T.R. WITHIN 6' OF A L.P. CONDUCTOR BOND AS SHOWN - FIELD VERIFY THE EXACT LOCATION

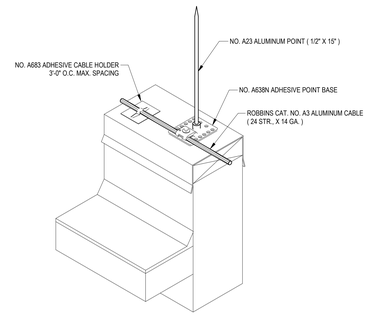
5 EXHAUST FAN / MECHANICAL AIR TERMINAL
N.T.S.



4 ROOF DRAIN DETAIL
N.T.S.

NOTES:

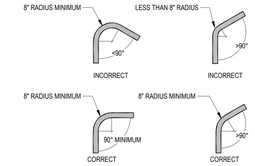
1. METAL DRAIN WITHIN 6' OF A L.P. CONDUCTOR BOND AS SHOWN - FIELD VERIFY THE EXACT LOCATION



3 ADHESIVE BASE AIR TERMINAL DETAIL
N.T.S.

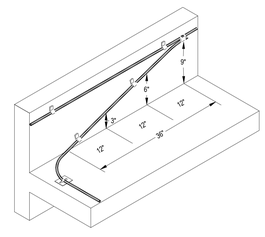
NOTES:

1. POINT BASE & CABLE HOLDER WILL BE SET WITH ADHESIVE COMPOUND COMPATIBLE TO ROOFING MATERIAL, ANY SPECIAL PADS, STRIPS, PAVER BLOCKS, ETC. TO BE SUPPLIED AND INSTALLED BY THE ROOFING CONTRACTOR.



REFER TO GENERAL NOTE NO. 1 ON SHEET ONE

2 ACCEPTABLE CABLE BEND DETAIL
N.T.S.



1 3 TO 12 CABLE RISER ELEVATION
N.T.S.

CABLE MAY RUN UPHILL FROM BONDING OR AIR TERMINAL LOCATIONS NOT TO EXCEED A RATE OF 3" OF RISE PER 12" OF RUN. FASTEN CABLE EVERY 3'-0" O.C. MAXIMUM.

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PROJECT NUMBER: 13A/00
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100 E. BLOUNT ST. PENSACOLA, FL 32501

Revisions.

PROJECT NO.	2613
STATUS	BID PACKAGE 2 - NOT FOR CONSTRUCTION
DATE	10/22/2026
DRAWN BY	ADG

ELECTRICAL DETAILS **EF501**

ELECTRICAL CONNECTION SCHEDULE

CALLOUT	LOAD CHARACTERISTICS						PANEL AND CIRCUIT INFORMATION				NOTES
	VOLTAGE	PHASE	VA	AMPS	MCA	LOAD CLASS	FED FROM	CIRCUIT	MOCP	CONDUIT & WIRE	
DIESEL FUELING PUMP	120 V	1	2400 VA	20.0 A	20.0 A	HVAC	LEF1	1	30/1	3/4"C, 1#10, #10N, #10G	
DIESEL FUELING PUMP	120 V	1	2400 VA	20.0 A	20.0 A	HVAC	LEF1	11	30/1	3/4"C, 1#10, #10N, #10G	
FUEL TANK	208 V	1	2990 VA	14.4 A	14.4 A	HVAC	LEF1	2,4	20/2	3/4"C, 2#12, #12N, #12G	
FUEL TANK	208 V	1	2990 VA	14.4 A	14.4 A	HVAC	LEF1	8,10	20/2	3/4"C, 2#12, #12N, #12G	
FUEL TANK	208 V	1	2990 VA	14.4 A	14.4 A	HVAC	LEF1	5,7	20/2	3/4"C, 2#12, #12N, #12G	
UL-2 GAS FUELING PUMP	120 V	1	2400 VA	20.0 A	20.0 A	HVAC	LEF1	17	30/1	3/4"C, 1#10, #10N, #10G	
UL-2 GAS FUELING PUMP	120 V	1	2400 VA	20.0 A	20.0 A	HVAC	LEF1	16	30/1	3/4"C, 1#10, #10N, #10G	

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER / MODEL	FINISHES	LIGHT SOURCE	MOUNTING	DELIVERED LUMENS	CRI	CCT	DIMMING	WATTS	VOLTAGE
F7	2' x 2' SURFACE MOUNTED EDGE LIT GAS CANOPY PANEL LIGHT, IK08 AND IP66 RATED FIXTURE	WHITEWAY / VANISH OR PREAPPROVED EQUAL	WHITE	LED	SURFACE	8846	70	4000 K	N/A	57 W	277

EMERGENCY POWER OFF BUTTON SCHEDULE

SUBSCRIPT	DESCRIPTION	MODEL
GAS	GAS EMERGENCY SHUTOFF BUTTON, FLUSH MOUNT, INDOOR RATED, 1 N.O. AND 1 N.C. 120 VOLT RATED CONTACTS, YELLOW HOUSING, RED MUSHROOM BUTTON PUSH-TO-ACTIVATE/TURN-TO-RESET TYPE, CLEAR HINGED PLASTIC COVER, COVER WORDING - LINE 1: "IN CASE OF EMERGENCY" COVER WORDING - LINE 2: "LIFT - PUSH BUTTON". SHELL WORDING - LINE 1: "GAS EMERGENCY". SHELL WORDING - LINE 2: "SHUTOFF"	STI SS2 SERIES W/ COVER OR PREAPPROVED EQUAL

GENERAL ELECTRICAL SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER
⊗ ⬡	CONNECTION TO MECHANICAL EQUIPMENT	MOTOR/EQUIPMENT FURNISHED AND INSTALLED BY MECHANICAL OR PLUMBING CONTRACTOR
(J) [J]	ELECTRICAL CONNECTION TO MISC. EQUIPMENT	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS
PANEL 'HFT'	BRANCH CIRCUIT PANELBOARD, 480/277V, 3-PHASE, 4-WIRE, NEMA 3R HOUSING, REFER TO PANEL SCHEDULES FOR DETAILS	SQUARE D NF OR PREAPPROVED EQUAL
PANEL 'LFT'	BRANCH CIRCUIT PANELBOARD, 208/120V, 3-PHASE, 4-WIRE, NEMA 3R HOUSING, REFER TO PANEL SCHEDULES FOR DETAILS	SQUARE D NQ OR PREAPPROVED EQUAL
TR-LF1	DRY-TYPE TRANSFORMER, DOE 2016 COMPLIANT, 45 KVA, 480V PRIMARY, 208/120V SECONDARY, 6 TAPS (2+, 4-), ALUMINUM WINDINGS, 150 DEGREE C TEMP RISE, MOUNT ON 3-1/2" CONCRETE HOUSEKEEPING PAD, NEMA 3R HOUSING	SQUARE D EXN45T3H OR PREAPPROVED EQUAL
SPD-1	SURGE PROTECTION DEVICE, EXTERNALLY MOUNTED, NON-MODULAR BRICK, 480/277 V, 3-PHASE, 4-WIRE + GRD SERVICE. 200 KAIC SURGE CURRENT RATING PER PHASE. 200K SCCR, SUITABLE FOR SERVICE ENTRANCE DOWNSTREAM OF SERVICE DISCONNECT, UL 1449 TYPE 2, ANSI/IEEE C62.41 CATEGORY C	SQUARE D SURGELOGIC EMB SERIES OR PREAPPROVED EQUAL
DS-XXX A/B/C	DISCONNECT SWITCH, HEAVY DUTY, SIZE INDICATED ON PLANS (A/B/C) WHERE A = RATING IN AMPS, B = NUMBER OF POLES, C = NEMA RATING (E.G. 1 = NEMA 1), XXX = NAME OF LOAD SERVED	SQUARE D CLASS 3110 OR PREAPPROVED EQUAL
FDS-XXX A/B/C/D	FUSIBLE DISCONNECT SWITCH, HEAVY DUTY, SIZE INDICATED ON PLANS (A/B/C) WHERE A = RATING IN AMPS, B = NUMBER OF POLES, C = NEMA RATING (E.G. 1 = NEMA 1), D = FUSE SIZE IN AMPS, XXX = NAME OF LOAD SERVED, PROVIDE FUSES OF RATING PER MFR RECOMMENDATION	SQUARE D CLASS 3110 OR PREAPPROVED EQUAL
MS-XXX A/B/C	HORSEPOWER RATED MANUAL SWITCH, SIZE INDICATED ON PLANS (A/B/C) WHERE A = RATING IN AMPS, B = NUMBER OF POLES, C = NEMA RATING (E.G. 1 = NEMA 1), XXX = NAME OF LOAD SERVED, RED PILOT LIGHT	SQUARE D CLASS 2510 OR PREAPPROVED EQUAL
VFD-XX	VARIABLE FREQUENCY DRIVE	PROVIDED BY ATC, INSTALLED BY EC
GDS-1	GENERATOR DOCKING STATION (GDS), DUAL PURPOSE WITH PERMANENT CAM-LOCK SYSTEM FOR TEMPORARY GENERATOR CONNECTIONS AND BREAKERS CONFIGURED FOR MANUAL UTILITY TO TEMPORARY GENERATOR POWER TRANSFER, NEMA 3R OUTDOOR RATED WITH GRAY FINISH, 480-VOLT, THREE-PHASE, FOUR-WIRE, 150A SINGLE BREAKER WITH SHUNT TRIP, KIRK KEY INTERLOCKED FOR THE PERMANENT LINE TO THE MALE CAMLOCK (TEMPORARY GENERATOR) ACCESS DOOR, 150A SINGLE BREAKER WITH SHUNT TRIP ON LOAD BANK CIRCUIT BREAKER THAT TRIPS WHEN ATS CALLS FOR POWER FROM PERMANENT GENERATOR. SILVER-PLATED COPPER BUSSING, 100% RATED NEUTRAL BUSSING. SUITABLE FOR BOTTOM CONDUIT ENTRY. FACTORY INSTALLED PHASE ROTATION MONITOR, INTEGRATED MAIN CIRCUIT BREAKER SHALL SERVE AS A DISCONNECTING MEANS WITH STANDARD LSIG TRIP AND AUXILIARY CONTACTS, WITH 375-WATT STRIP HEATER AND INT THERMOSTAT, SOLENOID SAFETY INTERLOCK DOOR TO COMPLY WITH NEC 702.12C, PROVIDE WITH UTILITY INDICATOR LIGHTS. ADDITIONAL ITEMS TO PROVIDE: 1) COMMISSIONING BY MANUFACTURER'S FACTORY AUTHORIZED TECHNICIAN UPON COMPLETION OF INSTALLATION, AND PROVIDE WRITTEN REPORT TO THE ENGINEER SUMMARIZING THE COMMISSIONING WORK COMPLETED. 2) PROVIDE FACTORY TRAINING FOR ON-SITE PERSONNEL ON HOW TO CONNECT THE GDS TO A PORTABLE GENERATOR. 3) COMPLIMENTARY 12 MONTH WARRANTY EXTENSION BEYOND STANDARD 12 MONTH MANUFACTURER WARRANTY AFTER SUCCESSFUL COMPLETION OF COMMISSIONING. REFER TO DRAWINGS AND DETAILS FOR ADDITIONAL INFORMATION.	TRYSTAR DBDS-1 SERIES
AT-1	24" LIGHTNING PROTECTION AIR TERMINAL, REFER TO SPECIFICATION	REFER TO SPECIFICATION 260526
AT-2	8" LIGHTNING PROTECTION AIR TERMINAL, REFER TO SPECIFICATION	REFER TO SPECIFICATION 260526

BRANCH PANELBOARD: LEF1

LOCATION:
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
FED FROM: XFMR-LEF1

VOLTAGE: 208/120 Wye
PHASE: 3
WIRE: 4
LUGS: Standard

MAIN DEVICE: MCB 150AT, 225AF
BUS RATING: 225
NEUTRAL RATING: 100%
A.I.C. RATING: 10000

CKT #	CKT BKR A / P		NOTES	CIRCUIT DESCRIPTION	KVA LOAD "PHASE A"	KVA LOAD "PHASE B"	KVA LOAD "PHASE C"	CIRCUIT DESCRIPTION	NOTES	CKT BKR P / A		CKT #
1	30 A	1	ST	DIESEL FUELING PUMP	2.4	1.5		FUEL TANK	ST	2	20 A	2
3	--	1		SHUNT TRIP		--	1.5					4
5							1.5	--	SHUNT TRIP		1	--	6
7	20 A	2	ST	FUEL TANK	1.5	1.5		FUEL TANK	ST	2	20 A	8
9	--	1		SHUNT TRIP		--	1.5					10
11	30 A	1		DIESEL FUELING PUMP			2.4	--	SHUNT TRIP		1	--	12
13	20 A	1		WASH BUILDING VAULT OUTLETS	1.1	0.8			WASH BUILDING VAULT COIN SORTER		1	20 A	14
15	20 A	1		WASH BUILDING VAULT DATA RACK		0.4	2.4		UL-2 GAS FUELING PUMP	ST	1	30 A	16
17	30 A	1	ST	UL-2 GAS FUELING PUMP			2.4	--	SHUNT TRIP		1	--	18
19	--	1		SHUNT TRIP	--	0.2			EMERGENCY POWER OFF		1	20 A	20
21	20 A	1		EMERGENCY POWER OFF		0.2	0.2		WASH BUILDING F-1		1	20 A	22
23	20 A	1		WASH BUILDING RTH-1			0.7	0.7	WASH BUILDING RTH-2		1	20 A	24
25	30 A	2		WASH BUILDING CU-1	2	1			MOTORIZED GATE		2	20 A	26
27						2	1						28
29	20 A	1		CAMERA POWER			0.2	1	SLIDING GATE		2	20 A	30
31	20 A	1		CAMERA POWER	0.2	1							32
33	20 A	1		SPARE		0	0.2		CAMERA POWER		1	20 A	34
35	20 A	1		SPARE				0	0	SPARE	1	20 A	36
37	--	1		SPACE	--	0			SPARE		1	20 A	38
39	--	1		SPACE		--	--		SPACE		1	--	40
41	--	1		SPACE				--	--	SPACE	1	--	42
				TOTAL CONNECTED KVA BY PHASE	13.1 kVA	9.3 kVA	8.9 kVA						
				TOTAL CONNECTED AMPS BY PHASE	109.8 A	77.9 A	74.1 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	CALCULATED LOAD	PANELBOARD TOTALS	
HVAC	18570 VA	100.00%	18570 VA		
Spare	12376 VA	100.00%	12376 VA	TOTAL CONNECTED KVA	31.3 kVA
				TOTAL CALCULATED KVA	31.3 kVA
				TOTAL CONNECTED AMPS	86.9 A
				TOTAL CALCULATED AMPS	86.9 A

NOTES:

BRANCH PANELBOARD: HEF1

LOCATION:
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
FED FROM: SWB1

VOLTAGE: 480/277 Wye
PHASE: 3
WIRE: 4
LUGS: Standard

MAIN DEVICE: MCB 150A
BUS RATING: 150
NEUTRAL RATING: 100%
A.I.C. RATING: 25000

CKT #	CKT BKR A / P		NOTES	CIRCUIT DESCRIPTION	KVA LOAD "PHASE A"	KVA LOAD "PHASE B"	KVA LOAD "PHASE C"	CIRCUIT DESCRIPTION	NOTES	CKT BKR P / A		CKT #
1					13.1	0.3		LIGHTING		1	20 A	2
3	70 A	3		XFMR-LEF1		9.3	0.8	SITE LIGHTING		1	20 A	4
5							8.9	4.4	WASH BUILDING F-1		1	20 A	6
7	20 A	1		LIGHTING	0.6	0		SPARE		1	20 A	8
9						0	0	SPARE		1	20 A	10
11	30 A	3		SPD-1			0	0	SPARE	1	20 A	12
13					0	0			SPARE	1	20 A	14
15	20 A	1		SPARE		0	0		SPARE	1	20 A	16
17	20 A	1		SPARE			0	0	SPARE	1	20 A	18
19	20 A	1		SPARE	0	0			SPARE	1	20 A	20
21	20 A	1		SPARE		0	0		SPARE	1	20 A	22
23	20 A	1		SPARE			0	0	SPARE	1	20 A	24
25	20 A	1		SPARE	0	0			SPARE	1	20 A	26
27	20 A	1		SPARE			0	0	SPARE	1	20 A	28
29	20 A	1		SPARE			0	0	SPARE	1	20 A	30
31	20 A	1		SPARE	0	0			SPARE	1	20 A	32
33	20 A	1		SPARE			0	0	SPARE	1	20 A	34
35	20 A	1		SPARE				0	0	SPARE	1	20 A	36
37	--	1		SPACE	--	--			SPACE	1	--	38
39	--	1		SPACE			--	--	SPACE	1	--	40
41	--	1		SPACE				--	--	SPACE	1	--	42
				TOTAL CONNECTED KVA BY PHASE	13.9 kVA	10.1 kVA	13.3 kVA						
				TOTAL CONNECTED AMPS BY PHASE	52.1 A	36.4 A	49.8 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	CALCULATED LOAD	PANELBOARD TOTALS	
HVAC	18570 VA	100.00%	18570 VA		
Lighting	887 VA	100.00%	887 VA	TOTAL CONNECTED KVA	37.3 kVA
Spare	17580 VA	100.00%	17580 VA	TOTAL CALCULATED KVA	37.3 kVA
				TOTAL CONNECTED AMPS	44.9 A
				TOTAL CALCULATED AMPS	44.9 A

NOTES:

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PROJECT NUMBER: CEL030
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Revisions

PROJECT NO. 2613
STATUS BID PACKAGE 2 - NOT FOR CONSTRUCTION
DATE 10/22/2026
DRAWN BY ADG

ELECTRICAL SCHEDULES **EF600**

ELECTRICAL ABBREVIATIONS

1P	1 POLE (2P, 3P, 4P, ETC.)	LTNG	LIGHTNING
A	6" ABOVE COUNTER OR BACKSPLASH	LV	LOW VOLTAGE
	TO CENTERLINE OF DEVICE	M	INSTALL DEVICE IN MILLWORK
A, AMP	AMPERE	MAX	MAXIMUM
AC	ABOVE COUNTER, AIR CONDITIONING UNIT	MAG.S	MAGNETIC STARTER
ACLG	ABOVE CEILING	M/C	MOMENTARY CONTACT
AF	AMP FRAME	MC	MECHANICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AFG	ABOVE FINISHED GRADE	MCC	MOTOR CONTROL CENTER
AFCI	ARC FAULT CIRCUIT	MDC	MAIN DISTRIBUTION CENTER
	INTERRUPTER	MDP	MAIN DISTRIBUTION PANEL
AHU	AIR HANDLING UNIT	MFR	MANUFACTURER
AL	ALUMINUM	MFS	MAIN FUSED DISCONNECT SWITCH
ALT	ALTERNATE	MH	MANHOLE
AMP	AMPERE	MIC	MICROPHONE
AMPL	AMPLIFIER	MIN	MINIMUM
ANNUN	ANNUNCIATOR	MISC	MISCELLANEOUS
APPROX	APPROXIMATELY	MLO	MAIN LUGS ONLY
AQ-STAT	AQUASTAT	MMS	MANUAL MOTOR STARTER
ARCH	ARCHITECT, ARCHITECTURAL	MOA	MULTIOUTLET ASSEMBLY
AS	AMP SWITCH	MSP	MOTOR STARTER PANELBOARD
AT	AMP TRIP	MSBD	MAIN SWITCHBOARD
ATC	AUTOMATIC TEMPERATURE CONTROLS	N/A	NOT APPLICABLE
	CONTRACTOR	NFDS	NON-FUSED SAFETY DISCONNECT
ATS	AUTOMATIC TRANSFER SWITCH		SWITCH
AUTO	AUTOMATIC	NIC	NOT IN CONTRACT
AUX	AUXILIARY	NL	NIGHT LIGHT
AV	AUDIO VISUAL	N.O.	NORMALLY OPEN
AWG	AMERICAN WIRE GAUGE	NPF	NORMAL POWER FACTOR
B	BLACK DEVICE COLOR WITH BLACK	NTS	NOT TO SCALE
	UNBREAKABLE THERMOPLASTIC COVER	OC	ON CENTER
	PLATE	OH	OVERHEAD
BAS	BUILDING AUTOMATION SYSTEM	OL	OVERLOADS
BATT	BATTERY	PA	PUBLIC ADDRESS
BD	BOARD	PB	PULL BOX OR PUSHBUTTON
BLDG	BUILDING	PC	PLUMBING CONTRACTOR
BMS	BUILDING MANAGEMENT SYSTEM	PE	PNEUMATIC ELECTRIC
C	CONDUIT	PED	PEDESTAL
CAB	CABINET	PF	POWER FACTOR
CAT	CATALOG	PH	PHASE
CATV	CABLE TELEVISION	PIV	POST INDICATING VALVE
CB	CIRCUIT BREAKER	PNL	PANEL
CCTV	CLOSED CIRCUIT TELEVISION	PP	POWER POLE
CKT	CIRCUIT	PR	PAIR
CLG	CEILING	PRI	PRIMARY
CM	CONSTRUCTION MANAGER	PROJ	PROJECTION
COMB	COMBINATION	PRV	POWER ROOF VENTILATOR
CMPR	COMPRESSOR	PT	POTENTIAL TRANSFORMER
CONN	CONNECTION	PVC	POLYVINYL CHLORIDE (CONDUIT)
CONST	CONSTRUCTION	PWR	POWER
CONT	CONTINUATION OR CONTINUOUS	QTY	QUANTITY
CONTR	CONTRACTOR	RAC	RIGID ALUMINUM CONDUIT
CP	CIRCULATING PUMP	RCPT	RECEPTACLE
CRT	CATHODE-RAY TUBE	REQD	REQUIRED
CT	CURRENT TRANSFORMER	RM	ROOM
CTR	CENTER	RMC	RIGID METALLIC CONDUIT
CU	COPPER	RTU	ROOF TOP UNIT
DEPT	DEPARTMENT	SC	SURFACE CONDUIT
DET	DETAIL	SEC	SECONDARY
DIA	DIAMETER	SHT	SHEET
DISC	DISCONNECT	SIM	SIMILAR
DIST	DISTRIBUTION	SLD	SINGLE-LINE DIAGRAM
DN	DOWN	S/N	SOLID NEUTRAL
DO	AUTOMATIC DOOR OPENER	SPEC	SPECIFICATION
DPR	DAMPER	SPKR	SPEAKER
DS	SAFETY DISCONNECT SWITCH	SP	SPARE
DT	DOUBLE THROW	SPP	SINGLE-POINT POWER
DWG	DRAWING	SR	SURFACE RACEWAY
EC	ELECTRICAL CONTRACTOR	SS	STAINLESS STEEL
ECB	ENCLOSED CIRCUIT BREAKER	SSW	SELECTOR SWITCH
ELEC	ELECTRIC, ELECTRICAL	S/S	STOP/START PUSHBUTTONS
ELEV	ELEVATOR	STA	STATION
ELU	EMERGENCY LIGHTING UNIT	STD	STANDARD
EM	EMERGENCY	SURF	SURFACE MOUNTED
EMS	ENERGY MANAGEMENT SYSTEM	SW	SWITCH
EMT	ELECTRICAL METALLIC TUBING	SWBD	SWITCHBOARD
EP	ELECTRIC PNEUMATIC	SYM	SYMMETRICAL
EPO	EMERGENCY POWER OFF	SYS	SYSTEM
EQUIP	EQUIPMENT	TEL	TELEPHONE
EWC	ELECTRIC WATER COOLER	TERM	TERMINAL
EXIST	EXISTING	T	TAMPER RESISTANT
EXH	EXHAUST	TL	TWIST LOCK
EXP	EXPLOSION PROOF	T-STAT	THERMOSTAT
FA	FIRE ALARM	TTC	TELEPHONE TERMINAL CABINET
FABP	FIRE ALARM BOOSTER POWER	TV	TELEVISION
	SUPPLY PANEL	TVTC	TELEVISION TERMINAL CABINET
FACP	FIRE ALARM CONTROL PANEL	TYP	TYPICAL
FCU	FAN COIL UNIT	UC	UNDER COUNTER
FIXT	FIXTURE	UE	UNDERGROUND ELECTRICAL
FLR	FLOOR	UG	UNDERGROUND
FLUOR	FLUORESCENT	UH	UNIT HEATER
FPC	FIRE PROTECTION CONTRACTOR	UT	UNDERGROUND TELEPHONE
FU	FUSE	UTIL	UTILITY
FUDS	FUSED SAFETY DISCONNECT SWITCH	UV	ULTRAVIOLET
GA	GAUGE	V	VOLT
GAL	GALLON	VA	VOLT-AMPERES
GALV	GALVANIZED	VDT	VIDEO DISPLAY TERMINAL
GC	GENERAL CONTRACTOR	VERT	VERTICAL
GEN	GENERATOR	VFD	VARIABLE FREQUENCY DRIVE
GFI	GROUND FAULT CIRCUIT INTERRUPTER	VOL	VOLUME
GFP	GROUND FAULT PROTECTOR	W	WATT
GND	GROUND	W/	WITH
GYP BD	GYPSUM BOARD	WG	WIRE GUARD
HWC-#	DOMESTIC WATER CIRCULATING PUMP	WH	WATER HEATER
HOA	HANDS-OFF-AUTOMATIC SWITCH	W/O	WITHOUT
H	INSTALL DEVICE HORIZONTALLY	WP	WEATHERPROOF
HH	HANDHOLE	XFMR	TRANSFORMER
HP	HORSEPOWER	XFR	TRANSFER
HPF	HIGH POWER FACTOR	#"	LOCATION-SPECIFIC MOUNTING
HT	HEIGHT		HEIGHT ABOVE FINISHED FLOOR
HTG	HEATING		TO CENTERLINE OF DEVICE
HTR	HEATER		
HV	HIGH VOLTAGE	∠	ANGLE
HVAC	HEATING, VENTILATING AND AIR	@	AT
	CONDITIONING	▲	DELTA
IC	INTERRUPTING CAPACITY	'	FEET
IG	ISOLATED GROUND	"	INCHES
IMC	INTERMEDIATE METAL CONDUIT	#	NUMBER
INCAND	INCANDESCENT	Ø	PHASE
IR	INFRARED	C	CENTER LINE
I/W	INTERLOCK WITH	P	PLATE
J-BOX	JUNCTION BOX		
K.E.C.	KITCHEN EQUIPMENT CONTRACTOR		
KV	KILOVOLT		
KVA	KILOVOLT-AMPERE		
KVAR	KILOVOLT-AMPERE REACTIVE		
KW	KILOWATT		
KWH	KILOWATT HOUR		
LT	LIGHT		
LTG	LIGHTING		

GENERAL PLAN SYMBOLS

MARK	SCHEDULED EQUIPMENT (UNDERLINED)
MARK	NONSCHEDULED EQUIPMENT
(E) MARK	EXISTING EQUIPMENT - (E) PREFIX (HALFTONE)
(R) MARK	EXISTING RELOCATED EQUIPMENT - (R) PREFIX
# / #	SECTION VIEW, TOP REPRESENTS DETAIL NUMBER, BOTTOM REPRESENTS SHEET NUMBER
# / #	ENLARGED VIEW, TOP REPRESENTS VIEW NUMBER, BOTTOM REPRESENTS SHEET NUMBER
	NEW WORK BY THE EC (DARK SOLID LINE)
	NEW UNDERGROUND WORK BY THE EC (DARK DASHED LINE)
	WORK BY OTHERS AND/OR EXISTING (LIGHT SOLID LINE)
	DEMO WORK BY THE EC (DARK DASHED LINE)
	MATCHLINE
X	KEYED NOTE

ACCESS CONTROL SYMBOLS

SYMBOL	DESCRIPTION
AS	ALARM SWITCH
DC	DOOR CONTACT
CR	CARD READER
J	FLUSH MOUNTED JUNCTION BOX
ACP-#	ACCESS CONTROL PANEL
ES	ELECTRIC STRIKE
GB	GLASS BREAK SENSOR
KP	KEYPAD
ML	MAGNETIC LOCK
MC	MONEY CLIP
M	MOTION DETECTOR
OPTURN-#	OPTICAL TURNSTILE
REX	REQUEST TO EXIT
BR	BIOMETRIC READER
DS#	DOOR SWITCH

CELLULAR SYMBOLS

SYMBOL	DESCRIPTION
IBFA	INDOOR CELLULAR ENHANCEMENT ANTENNA
OBFA	OUTDOOR CELLULAR ENHANCEMENT ANTENNA
ICFA	INCOMING SERVICE CELLULAR ENHANCEMENT ANTENNA

AV SYMBOLS

SYMBOL	DESCRIPTION
AV-#	AV CABINET
CAM-#	CONFERENCE CAMERA
MC	CEILING MOUNTED MICROPHONE
S A	CEILING MOUNTED AUDIO SPEAKER
J	JUNCTION BOX
	LECTURN
S A	WALL MOUNTED AUDIO SPEAKER
MC T	TABLETOP MICROPHONE
MPC-#	MEDIA PRESENTATION CONTROLLER
MPWP-#	MEDIA PRESENTATION WALL PLATE
PS $	PROJECTOR SCREEN OVERRIDE SWITCH
PRS-#	PROJECTOR SCREEN
PRO-#	PROJECTOR
TV-#	TELEVISION
AV	AV RACK BACKBOX
PLIFT-#	PROJECTOR LIFT

SOUND MASKING SYMBOLS

SYMBOL	DESCRIPTION
SM	DIRECT FIRE SOUND MASKING SPEAKER
SM	SOUND MASKING SPEAKER
V	VOLUME CONTROL
AMP-SM-#	SOUND MASKING AMPLIFIER

NURSE CALL SYMBOLS

N	WALL MOUNTED NURSE CALL DEVICE
	CEILING MOUNTED NURSE CALL DOME LIGHT
D	WALL MOUNTED NURSE CALL DOME LIGHT

CABLE TV SYMBOLS

SYMBOL	DESCRIPTION
TV	CABLE TV COAX JACK
TV C	CABLE TV COAX JACK - CEILING MOUNTED
A/T	DISTRIBUTION AMPLIFIER

CCTV SYMBOLS

SYMBOL	DESCRIPTION
	SECURITY CAMERA ROUGH-IN ONLY - CEILING MOUNTED
	SECURITY CAMERA ROUGH-IN ONLY - WALL MOUNTED
	SECURITY CAMERA
SMON-#	SECURITY MONITOR
NVR	NETWORK VIDEO RECORDER

INTERCOM SYMBOLS

SYMBOL	DESCRIPTION
INT CO	INTERCOM COLOR DOOR STATION
INT	EMERGENCY VANDAL RESISTANT PHONE TOWER
INT M	INTERCOM MASTER STATION
INT D	INTERCOM DOOR STATION
INT AR	INTERCOM AREA OF RESCUE CALL BUTTON
INT MAR	INTERCOM AREA OF RESCUE MASTER STATION

PAGING SYMBOLS

SYMBOL	DESCRIPTION
AMP	TELEPHONE PAGING AMPLIFIER
S A	HORN SPEAKER - WALL MOUNTED
S	HORN SPEAKER - CEILING MOUNTED
S	PAGING SPEAKER OR DROP IN CEILING GRID SPEAKER
V	VOLUME CONTROL

CLOCK SYMBOLS

SYMBOL	DESCRIPTION
ETC $	ELAPSED TIME CLOCK CONTROL
C A	WIRELESS ANALOG CLOCK DUAL FACE
C D	DIGITAL WIRELESS CLOCK
C ETC	DIGITAL ELAPSED TIME CLOCK
C	WIRELESS ANALOG CLOCK SINGLE FACE
	ALARM BELL

NETWORK SYMBOLS

SYMBOL	DESCRIPTION
CT-#	CABLE TRAY
	JUNCTION CEILING MOUNTED DOUBLE GANG
ER-#	EQUIPMENT RACK
MTGB	GROUND BAR
	INFORMATION OUTLET
#	INFORMATION OUTLET MOUNTED IN CEILING
#	INFORMATION OUTLET MOUNTED IN FLOORBOX
LR-#	LADDER RACK
MPP-#	MODULAR PATCH PANEL
TTB-#	TELECOMMUNICATION TERMINAL BOARD
VM-#	VERTICAL WIRE MANAGEMENT
WAP	INFORMATION OUTLET FOR WIRELESS ACCESS POINT

TECHNOLOGY SHEET LIST

TF000	TECHNOLOGY COVER PAGE
TF100	TECHNOLOGY PLAN
TF500	TECHNOLOGY DETAILS
TF501	TECHNOLOGY DETAILS
TF600	TECHNOLOGY SCHEDULES

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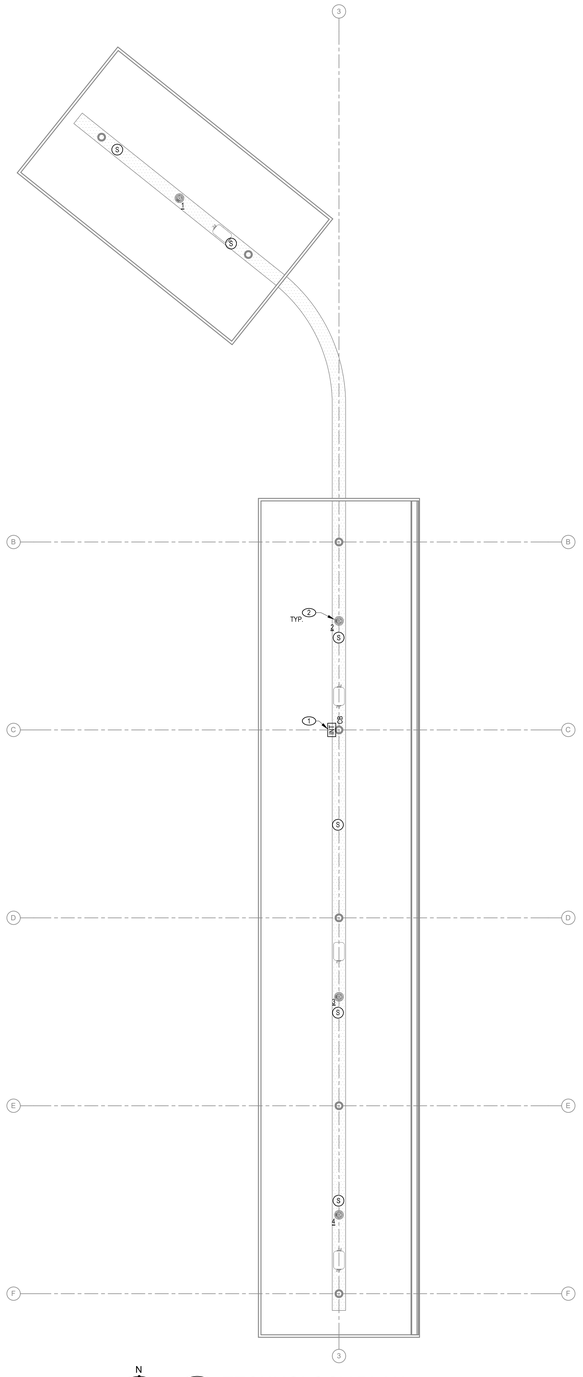
TECHNOLOGY COVER PAGE TF000

GENERAL NOTES:

1. MASS NOTIFICATION SYSTEM CONSISTS OF AMPLIFIER, CABLING, AND NEW SPEAKERS. REFER TO 3/TF500 FOR MASS NOTIFICATION RISER DIAGRAM. REFER TO SPECIFICATION SECTION 275116 FOR ADDITIONAL INFORMATION.
2. CCTV CAMERA SYSTEM CONSISTS OF SOFTWARE, SERVER, CABLING, AND CAMERAS. REFER TO 2/TF500 FOR CCTV RISER DIAGRAM.
3. INTERCOM SYSTEM SHALL CONSIST OF HEADEND, INTERCOM PUSH BUTTON, INTERCOM PEDESTAL - CODE BLUE, AND CABLING. REFER TO SPECIFICATION SECTION 275123 FOR ADDITIONAL INFORMATION.

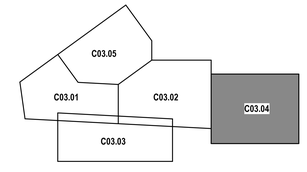
KEYED NOTES:

1. REFER TO 4/TF500 FOR EMERGENCY PHONE DETAIL.
2. REFER TO 5/TF500 FOR CEILING CAMERA MOUNTING DETAIL.



N

1 TECHNOLOGY PLAN
1/8" = 1'-0"



KEY MAP

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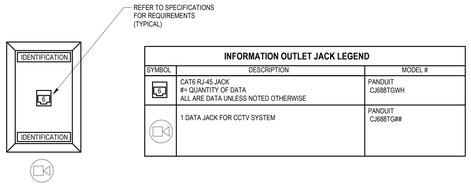
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TECHNOLOGY PLAN **TF100**



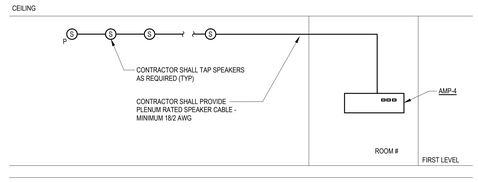
INFORMATION OUTLET JACK LEGEND

SYMBOL	DESCRIPTION	MODEL #
	CAT6 RJ-45 JACK #= QUANTITY OF DATA ALL ARE DATA UNLESS NOTED OTHERWISE	PANDUIT CJ688TGWH
	1 DATA JACK FOR CCTV SYSTEM	PANDUIT CJ688TG##

6 INFORMATION OUTLET DETAIL
N.T.S.

NOTES:

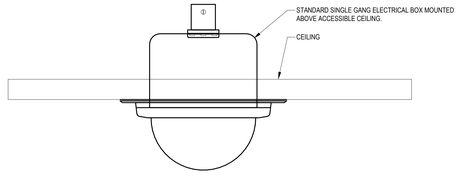
1. WIRELESS ACCESS POINTS DATA CABLING.



3 RISER DIAGRAM - MASS NOTIFICATION
N.T.S.

NOTES:

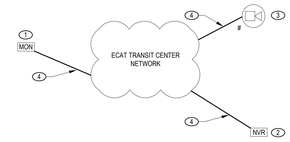
1. CONTRACTOR SHALL PROVIDE ACCESSORIES FOR A COMPLETE SYSTEM. REFER TO SPECIFICATIONS SECTION 275116 FOR ADDITIONAL INFORMATION.



5 CEILING CAMERA MOUNTING DETAIL
N.T.S.

NOTES:

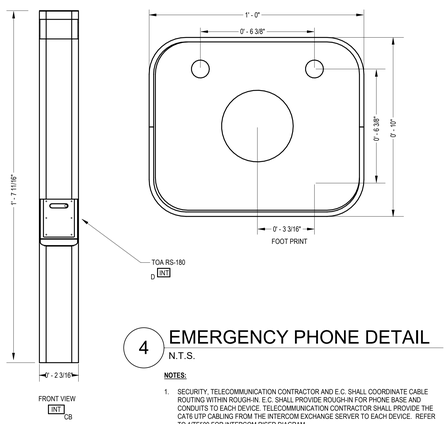
1. E.C. SHALL PROVIDE STANDARD SINGLE GANG ELECTRICAL BOX MOUNTED ABOVE ACCESSIBLE CEILING. PROVIDE CAT6 UTP AND WHIP THROUGH THE CEILING.



2 RISER DIAGRAM - CCTV
N.T.S.

KEYED NOTES:

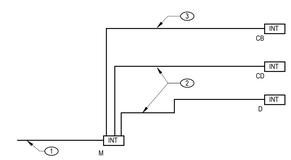
1. CLIENT VIEWING STATION SHALL BE LOCATED IN ROOM ###. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.
2. NETWORK VIDEO RECORDERS SHALL BE LOCATED IN ROOM ###. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.
3. CONTRACTOR SHALL COORDINATE FINAL LOCATIONS WITH OWNER PRIOR TO INSTALLATION. REFER TO SPECIFICATION ##### FOR CAMERA TYPES. REFER TO SHEET #### FOR CCTV SCHEDULE.
4. PLENUM CATX, 23 OR 24 GAUGE CABLING SHALL BE PROVIDED AND INSTALLED BY TELECOMMUNICATION CONTRACTOR UNDER XXXXXX.



4 EMERGENCY PHONE DETAIL
N.T.S.

NOTES:

1. SECURITY, TELECOMMUNICATION CONTRACTOR AND E.C. SHALL COORDINATE CABLE ROUTING WITHIN ROUGH-IN. E.C. SHALL PROVIDE ROUGH-IN FOR PHONE BASE AND CONDUITS TO EACH DEVICE. TELECOMMUNICATION CONTRACTOR SHALL PROVIDE THE CAT6 UTP CABLING FROM THE INTERCOM EXCHANGE SERVER TO EACH DEVICE. REFER TO 1TF500 FOR INTERCOM RISER DIAGRAM.



1 RISER DIAGRAM - INTERCOM
N.T.S.

NOTES:

1. E.C. TO PROVIDE A SINGLE GANG JUNCTION BOX WITH 3/4" CONDUIT INSTALLED UP TO ACCESSIBLE CEILING FOR THE MASTER AND DOOR STATION.

KEYED NOTES:

1. 24V DC - AIPHONE PS242OUL POWER SUPPLY.
2. CAT6 UTP OUTDOOR RATED CABLE.
3. PROVIDE (2) STRANDS OF SINGLE MODE FIBER OPTIC CABLE FROM IDF/MDF TO CODE BLUE DEVICE WHEN EXCEEDING 295' FROM NEAREST MDF/IDF.

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TECHNOLOGY DETAILS TF500

EQUIPMENT	KED-BSE DRAWINGS - DEVICE LOCATIONS	EQUIPMENT BY OWNER	INSTALLATION OF EQUIPMENT	INSTALLATION OF CABLE	ROUGH-IN AND PATHWAY INSTALLATION	COMMENTS
TELEPHONE SYSTEM		X	OWNER			VOIP SYSTEM (Using existing system)
WIRELESS ACCESS POINTS - EQUIPMENT	X	X	OWNER	SECURITY ENGINEERING	EC	OWNER TO PROVIDE EQUIPMENT (DESIGN STILL NEEDED FOR DROP LOCATIONS AND DATA INSTALLATION BY SECURITY ENGINEERING)
WIRELESS ACCESS POINT ROUGH-IN - (1) CAT 6 PLENUM CABLING	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
HORIZONTAL CABLING CAT6 PLENUM CABLE-PHONE/PRINTER/FAX/ANALOG TYPE CABLE	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
HORIZONTAL CABLING CAT6 PLENUM FOR FLOOR BOX - NETWORK	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
HORIZONTAL CABLING CAT6 PLENUM - CAMERA	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
HORIZONTAL CABLING CAT6 PLENUM - NETWORK	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
TESTING - FIBER AND CAT6A AND LABELING	x		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
FIBER DISTRIBUTION CABINET	X		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
RACK HORIZONTAL MANAGER	X		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
RJ-45 JACKS AT WORKAREA AND IDF MODULAR PATCH PANEL	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
SETALP/ECAF	X		GNIREENGNE YTIRUCES	GNIREENGNE YTIRUCES	CE	GNIREENGNE YTIRUCES
MODULAR PATCH PANEL	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
EQUIPMENT RACKS (4POST IN THE MDF AND 2POST IN IDF TYPE WITH VERTICAL HORIZONTAL MANAGERS)	X		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
COPPER PATCH CORDS AT RACK	X		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
COPPER PATCH CORDS AT WORKSTATIONS	X		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
BACKBONE FIBER OPTIC CABLING -TERMINATIONS BETWEEN THE MDF AND IDF ROOMS	X		SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SECURITY ENGINEERING
FIBER PATH CORDS	X		SECURITY ENGINEERING	SECURITY ENGINEERING		SECURITY ENGINEERING
MDF/IDF ROOM - TELECOM TERMINAL BOARD, CONDUIT SLEEVES, OVERHEAD LADDER RACK AND GROUNDING BAR	X		EC	EC	EC	
NETWORK SWITCHES		X	BY OWNER	BY OWNER		EQUIPMENT TO BE PURCHASED BY OWNER
ROUTERS, MODEMS, PHONE EQUIPMENT, HANDSETS		X	BY OWNER	BY OWNER		EQUIPMENT TO BE PURCHASED BY OWNER
CONDUITS-J-BOXES					EC	
SERVICE PROVIDER CABLING TO THE MDF -NETWORK	X		UNITI	UNITI	EC	OWNER TO WORK WITH THERE PREFERRED INTEGRATOR AND COORDINATE ALL CONTRACTS OF ESTABLISHING SERVICE TO THE FACILITY
CONDUIT ROUTE FROM THE SERVICE PROVIDERS MEET ME POINT TO THE MDF IN ADMINISTRATION BUILDING, INCLUDES CONDUITS AND HANDHOLES INTO THE MDF/IDF ROOMS	X				EC	
WIRED BASKET TRAY	X				EC	
MASS NOTIFICATION / PAGING SPEAKERS - INTERIOR AND EXTERIOR	X	X	SECURITY ENGINEERING	SECURITY ENGINEERING	EC	SPEAKERS TO BE INSTALLED BY OWNER AND DATA CABLE TO BE INSTALLED BY SECURITY ENGINEERING
MASS NOTIFICATION / PAGING SYSTEM HEADEND	X		OWNERS VENDOR	OWNERS VENDOR	EC	INTERGRATED WITH EXISTING NOTIFICATION SYSTEM (INFORMACAST)
ACCESS CONTROL PANEL - LENEL ONGUARD	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
CARD READERS- DUAL AUTHENTICATIONS	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
CODE BLUE STATIONS INTERCOM/CAMERA PEDESTALS -CODE BLUE	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
ELECTRIC LATCH/STRIKES -PROVIDED BY DOOR HARDWARE INTEGRATOR	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
DOOR CONTACT	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
LOCKDOWN	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
REQUEST TO EXIT	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
PANIC ALARM SWITCHES	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
CCTV CAMERA SYSTEM - SOFTWARE, CAMERAS LICENSES, AND STORAGE -AVIGILON		X	S			TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
CCTV MONITOR -VIEWING STATION 55" TV	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
CCTV CAMERAS INTERIOR AND EXTERIOR - AVIGILON	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
AREA OF REFUGE MASTER HEADEND AND INTERCOM BUTTON AND WIRING	X		EC	EC	EC	
TVS AND TV MOUNTS WITH BRIGHT SIGN DIGITAL MEDIA PLAYER -DIGITAL SIGNAGE LOCATIONS	X		EC	EC	EC	TRANSIT BUS MESSAGE BOARDS-ONLY -NO DIGITAL SIGNAGE LOCATIONS ANYWHERE ELSE FOR THE PROJECT
TRAINING ROOM AND CONFERENCE ROOM - FLOOR BOXES ONLY	X		EC	EC	EC	
TRAINING ROOM AV SYSTEM -TVS TV MOUNTS, FRONT/REAR CAMERAS, AMPLIFIER, SPEAKERS, VIDEO CONFERENCE INTERFACE (SOFT CODEC- TEAMS / ZOOM) (HDMI INPUT AND CONTROLS FRONT OF ROOM)	X		OWNERS VENDOR	OWNERS VENDOR	EC	OWNER CHECKING ON TO SEE IF PROVIDED BY OWNERS VENDOR OR TO BE PART OF THE CONSTRUCTION DOCUMENTS
CONFERENCE ROOM AV SYSTEM -TVS TV MOUNTS, FRONT CAMERAS, AMPLIFIER, SPEAKERS, VIDEO CONFERENCE INTERFACE (SOFT CODEC- TEAMS / ZOOM) (HDMI INPUT AND CONTROLS AT CONFERENCE TABLE)	X		OWNERS VENDOR	OWNERS VENDOR	EC	OWNER CHECKING ON TO SEE IF PROVIDED BY OWNERS VENDOR OR TO BE PART OF THE CONSTRUCTION DOCUMENTS
MEETING ROOM AV SYSTEM -CEILING PROJECTOR, CEILING PROJECTOR SCREEN, TV DISPLAYS FOR BACK OF HOUSE VIEWING, FRONT/REAR CAMERAS,AMPLIFIER, SPEAKERS, VIDEO CONFERENCE INTERFACE (SOFT CODEC- TEAMS / ZOOM) (HDMI INPUT AND CONTROLS AT LECTURN)	X		OWNERS VENDOR	OWNERS VENDOR	EC	OWNER CHECKING ON TO SEE IF PROVIDED BY OWNERS VENDOR OR TO BE PART OF THE CONSTRUCTION DOCUMENTS
TVS AND TV MOUNTS WITH HDMI CABLING FOR PRESENTATION IN OFFICES TYPE-SIZE ROOMS -(RADIO, CALL CENTER, SAFETY OFFICER, ACCOUNTING, FINANCE, DIV MANAGER, DEPUTY DIRECTOR, DIRECTOR, MAINTENANCE SUPERVISOR, FACILITY MANAGER, AND FACILITY MANAGER)	X		EC	EC	EC	
INTERCOM CAMERA/DOOR STATION AND INTERCOM MASTER STATION AT GATE ENTRANCES AND ENTRANCES INTO FACILTY - AIPHONE	X		EC	EC	EC	
UPS	X		EC	EC	EC	
TIME CLOCK LOCATIONS (NETWORK CABLING) • ADMIN BUILDING: CORR 113 ON WALL OF ROOM AND ROOM 158 LOCKER RM(TWO CLOCKS) • MAINT BLDG: CORR 101 • TRANSFER CNTR: INSIDE DOOR OF BREAK RM ON WALL ON THE RIGHT SIDE.	X		OWNERS VENDOR	OWNERS VENDOR	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
PRINTER LOCATIONS (NETWORK CABLE) ADMIN BUILDING: OFFICE SUPPLIES 121, RECEPT 120, SAFETY HALLWAY, RECEPT 104, DISPATCH / RADIO ROOMS, CALL CENTER. MAINTENANCE BUILDING: MAINTENANCE SUPERVISOR OFFICE, ROOM123, TRANSFER BUILDING, CUSTOMER SERVICE ARA, AND ADMIN BUILDING ROOM 104 AND 105	X		EC	EC	EC	TO BE PROVIDED BY SECURITY ENGINEERING (FACILITIES WORKING ON THIS)
CATV JACKS: ADMIN BUILDING ROOMS -DIR RM 104, DEPUTY DIR RM 120, DIV MAN RM 126, FIN RM 127, ACCNT RM 128, CONF RM 129, TRAIN RM 102, CHIEF SAFETY RM 140, SAFETY MAN RM 106, DISPATCH RM 151,RADIO RM 152 & 153, CALL CNTR RM 155, MEET RM 201. MAINT BLDG: BREAK RM 102, FACILITY MAN RM 104, MAIN MAN RM 122. TRANSFER CENTER: CUSTOMER WAITING RM, CUST SERV RM 338, AND BREAK RM 347	X		EC	EC	EC	
RADIO ROOM EQUIPMENT/ANTENNA LOCATIONS THE TWO RADIO ROOMS IN THE ADMIN BUILDING ARE THE ONLY ROOMS THAT WILL GET RADIOS INSTALLED.						EQUIPMENT TO BE RELOCATED FROM EXISTING LOCATION. OWNERS VENDOR (CES) TO RELOCATE/RE-INSTALL/TEST EQUIPMENT
CATV SYSTEM HORIZONTAL CABLE TO THE NEAREST MDF/IDF-NO SPLITTER, COUPLERS, OR TAPS	X		EC	EC	EC	
AMPLIFIERS	X		EC	EC	EC	

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Revisions

PROJECT NO. 2613
STATUS BID PACKAGE 2 - NOT FOR CONSTRUCTION
DATE 10/22/2026
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TECHNOLOGY DETAILS TF501

CAMERA SCHEDULE

CCTV CAMERA. PROVIDE FLUSH FOUR SQUARE JUNCTION BOX FOR CAMERA WITH 3/4" C. FROM DEVICE TO JUNCTION BOX LOCATED ABOVE ACCESSIBLE SPACE.
SUBSCRIPT "P" INDICATES SPECIFIC INFORMATION ON CAMERA CHARACTERISTICS.

REFER TO SPECIFICATION SECTION 282300 FOR ADDITIONAL INFORMATION.
REFER TO NETWORK SCHEDULE FOR FACEPLATE/RJ-45 JACK INFORMATION.

CAMERA NUMBER	CAMERA NAME	CAMERA MODEL	CAMERA TYPE	HEIGHT A.F.F.	FOV DISTANCE TO OBJECT	FOV UPPER LIMIT	FOV BOTTOM LIMIT	FOV ACTUAL FOCAL LENGTH	FOV RANGE OF LENS	REFER TO MOUNTING DETAIL	COMMENTS
1	N FUELING	AVIGILON ALTA H5A - CEILING MOUNT	MULTISENSOR DOME	15'-0"		11 13/16"	8'-6 3/8"				
2	S FUELING N	AVIGILON ALTA H5A - CEILING MOUNT	MULTISENSOR DOME	15'-0"		11 13/16"	8'-6 3/8"				
3	S FUELING	AVIGILON ALTA H5A - CEILING MOUNT	MULTISENSOR DOME	15'-0"		11 13/16"	8'-6 3/8"				
4	S FUELING S	AVIGILON ALTA H5A - CEILING MOUNT	MULTISENSOR DOME	10'-0"		11 13/16"	8'-6 3/8"				

MASS NOTIFICATION SCHEDULE

SYMBOL	DESCRIPTION	MODEL
(S)	MASS NOTIFICATION SPEAKER OR DROP IN CEILING GRID SPEAKER - 8" MAIN CONE, 95HZ TO 20KHZ FREQUENCY RESPONSE, TRANSFORMER, 70V/25V LINE, POWER TAPS OF 4, 2, 1, 1/2, AND 1/4 WATTS. SUBSCRIPT "P" FOR PENDANT TYPE SPEAKER.	PROVIDED / INSTALLED BY OWNER AND DATA CABLE TO BE INSTALLED BY SECURITY ENGINEERING

INTERCOM SCHEDULE

SYMBOL	DESCRIPTION	MODEL
INT CB	EMERGENCY VANDAL RESISTANT PHONE TOWER, VOIP, BLUE LIGHT STROBE IN PROTECTIVE ACRYLIC HOUSING, HOUSING FOR EXTREME WEATHER CONDITIONS. COORDINATE THE COLOR BLUE OF THE HOUSING WITH THE ARCHITECT PRIOR TO ORDERING AND INSTALLATION. OUTDOOR INTERCOM STATION VANDAL RESISTANT, STAINLESS STEEL - WEATHER RESISTANT FINISH, INTERNAL SPEAKER, AND CALL BUTTON. REFER TO 4/TF500 FOR ADDITIONAL INFORMATION.	REFER TO SPECIFICATION SECTION 275123 FOR ADDITIONAL INFORMATION.

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DATE 10/22/2026
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TECHNOLOOGY SCHEDULES TF600