

CRAWFORD,
WILLIAMS
ENGINEERING, Inc.

MECHANICAL
ELECTRICAL
PLUMBING
& FIRE

6889 PROFESSIONAL PKWY. E.
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CA 7029

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INBAR
ARCHITECTURE, AIA

FLORIDA LICENSE NO. AA0002701

2831 RINGLING BLVD, SUITE E-117
SARASOTA, FLORIDA 34237
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CELL PHONE: (941) 350-5939
EMAIL: inbararchitecture@gmail.com



REVISIONS		
No.	Description	Date
OWNER APPROVALS		
No.	Description	Date
	D	

PROPOSED NEW HOME FOR:

NOKOMIS MEDICAL CENTER

498 S. TAMiami TrL.
NOKOMIS, FL.

PERMIT #

Sheet Title

SITE
PHOTOMETRICS
ANALYSIS

Drawing Name: NOKOMIS OFFICE

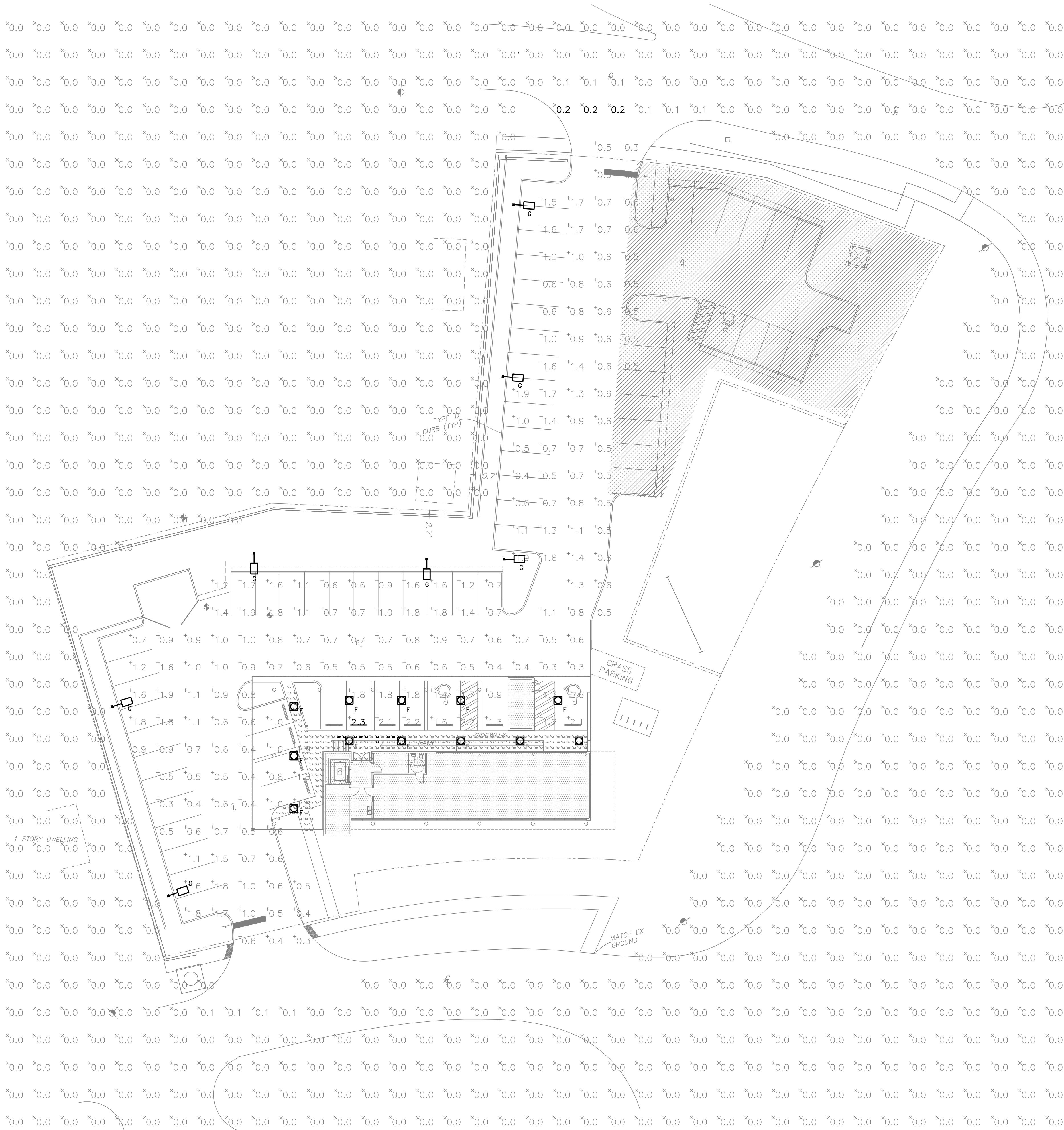
Design: CWE

Issues: 08/24/2022



Job No.: 2203

Sheet Number:

E-0.1



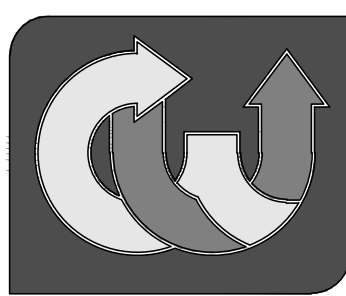
 **SITE PHOTOMETRIC ANALYSIS**
SCALE: 1" = 20'-0"

LUMINAIRE SCHEDULE								
Symbol	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
 G	7	AES-100-MH-XX-S	SMALL ARCHITECTURAL AREA LUMINAIRE - SPILL LIGHT ELIMINATOR	100-WATT MH ED-17	AES10MSLIES	8500	0.72	130
 F	7	C6132-6150	HALO 6" DIA RECESSED DOWNLIGHT SPECULAR REFLECTOR WITH STIPPLED TOP	26W PL-T 26 WATTS 1800 LUMENS HEX TUBE COMPACT FLUORESCENT	C6132-6150-26WPLT.ies	1800	0.72	32

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Entry	+	1.8 fc	2.3 fc	0.7 fc	3.3:1	2.6:1
Parking Lot	+	1.0 fc	2.3 fc	0.3 fc	7.7:1	3.3:1
Reference Spill Area	×	0.0 fc	0.2 fc	0.0 fc	N / A	N / A

LUMINAIRE LOCATIONS		
No.	Label	MH
1	G	20.0
2	G	20.0
3	G	20.0
4	G	20.0
5	G	20.0
6	G	20.0
14	G	20.0

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS AS DETERMINED IN ACCORDANCE WITH CHAPTERS 553 AND 633, FLORIDA STATUTES



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PROPOSED NEW HOME FOR:

NOKOMIS MEDICAL CENTER

498 S. TAMiami TrL.
NOKOMIS, FL.

PERMIT #

Sheet Title

SITE
ELECTRICAL PLAN

Drawing Name: NOKOMIS OFFICE

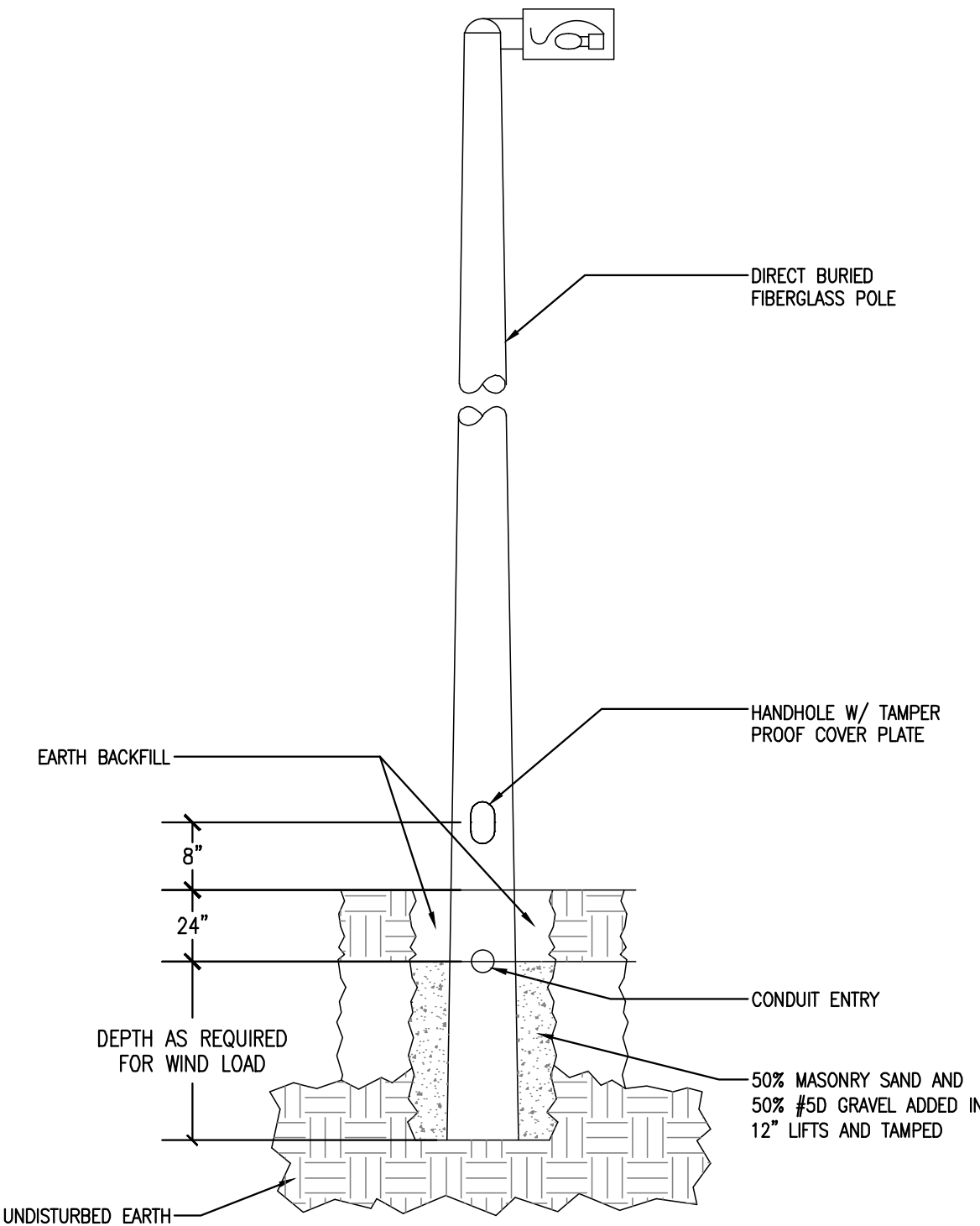
Design: CWE

Issues: 08/24/2022

Job No.: 2203

Sheet Number:

E-0



DIRECT BURIAL POLE MOUNTED SITE LIGHTING DETAIL
N.T.S.

SITE LIGHTING

CONTRACTOR TO PROVIDE MANUFACTURER CERTIFICATION, WITH SHOP DRAWING SUBMITTALS, THAT POLE ASSEMBLY WITH SPECIFIED HEADS AND ALL SPECIFIED OPTIONS MEETS 130 MPH WIND LOAD PER 2004 FLORIDA BUILDING CODE FIGURE 1609.

THE ELECTRICAL CONTRACTOR SHALL SUBMIT MANUFACTURER RECOMMENDED CHANGES FOR A CODE COMPLIANT INSTALLATION TO OWNER/ENGINEER FOR APPROVAL. ADDITIONALLY, CONTRACTOR SHALL PROVIDE CERTIFICATION THAT POLE MOUNTING METHOD; I.E., DIRECT BURY/ANCHOR BASE MEETS THE ABOVE REQUIREMENTS.

POLE MOUNTING CERTIFICATION SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.

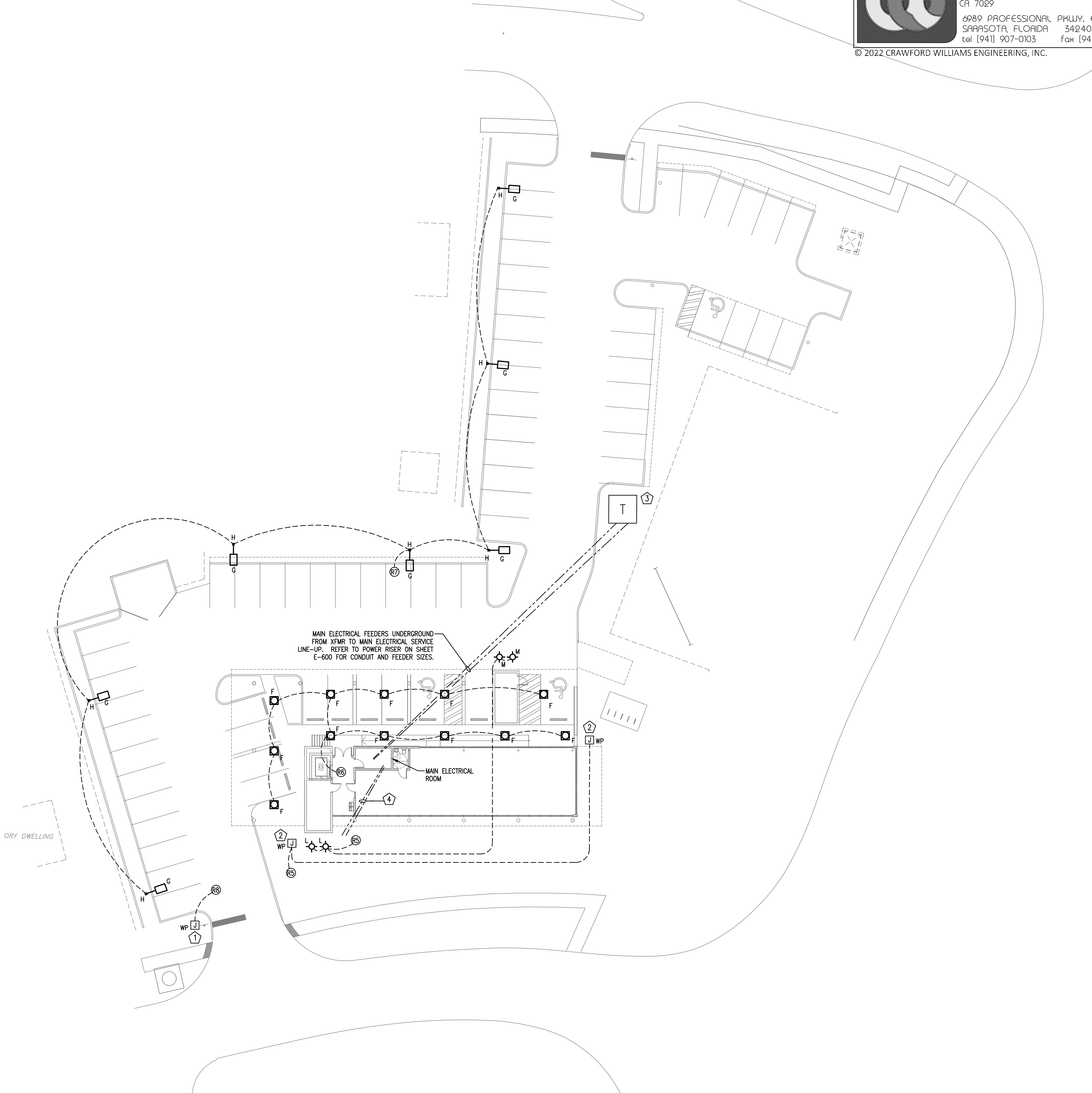
KEYED NOTES

1 WEATHERPROOF 4"x4"x2" J-BOX FOR SIGN LIGHTING. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

2 WEATHERPROOF 4"x4"x2" J-BOX FOR LANDSCAPE LIGHTING BY OTHERS. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

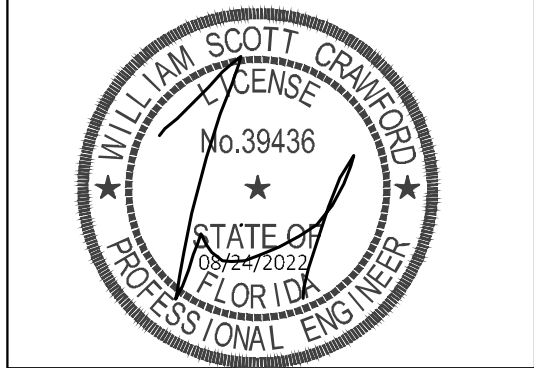
3 PROPOSED 208Y/120V, 3PH XFMR LOCATION. COORDINATE EXACT LOCATION WITH UTILITY.

4 (2) 4" CONDUITS FOR TEL & CATV. EXTEND TO BUILDING EXTERIOR AND STUB-UP 6" AFG, CAP & LABEL. COORDINATE EXACT LOCATION OF STUB-UP WITH UTILITY PRIOR TO ROUGH-IN.



ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS AS DETERMINED IN ACCORDANCE WITH CHAPTERS 553 AND 633, FLORIDA STATUTES



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PROPOSED NEW HOME FOR:

NOKOMIS MEDICAL CENTER

498 S. TAMiami TrL.
NOKOMIS, FL.

PERMIT #

FIRST FLOOR
ELECTRICAL PLAN

Sheet Title

Drawing Name: NOKOMIS OFFICE

Design: CWE

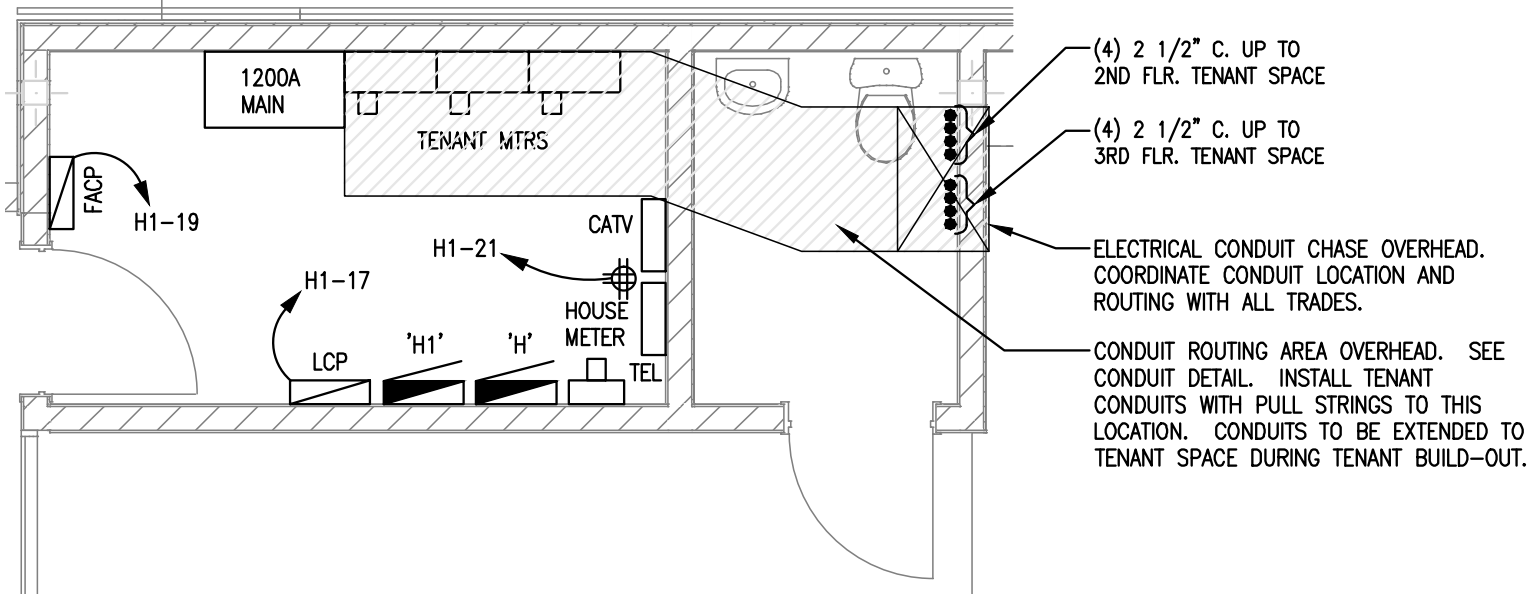
Issues: 08/24/2022

Job No.: 2203

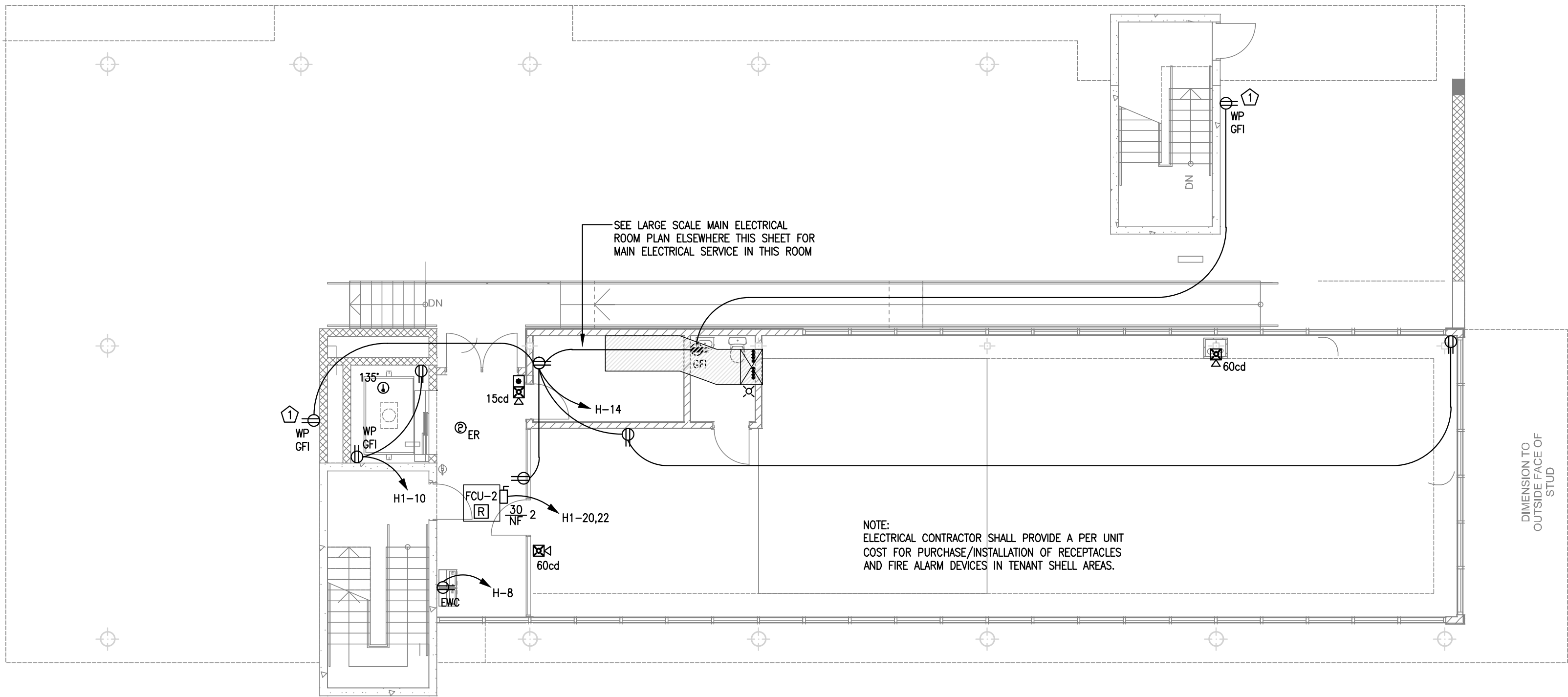
Sheet Number:

E-1

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS AS DETERMINED IN ACCORDANCE WITH CHAPTERS 553 AND 633, FLORIDA STATUTES



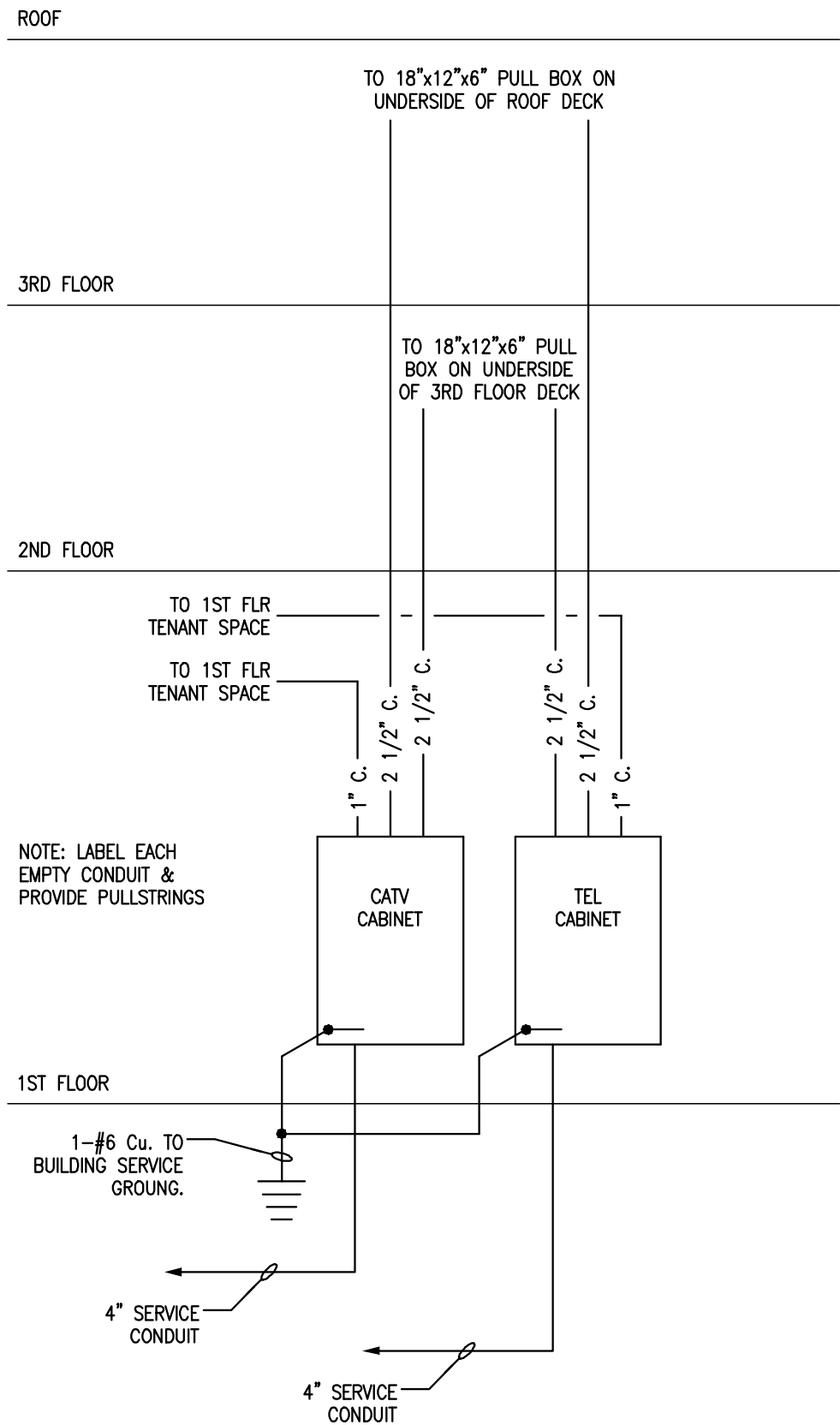
LARGE SCALE MAIN ELECTRICAL RM.
SCALE: 1/4" = 1'-0"



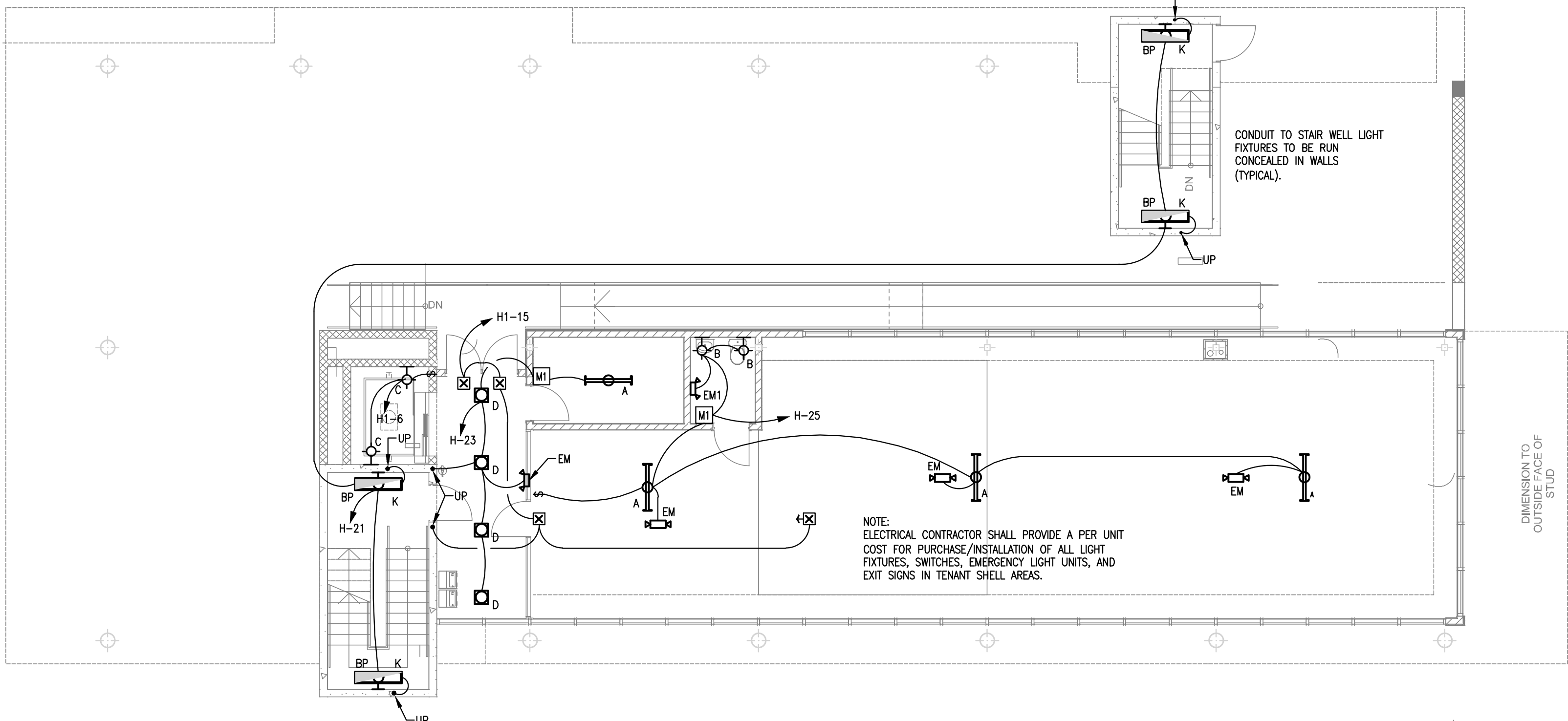
1ST FL. POWER & SYSTEMS PLAN
SCALE: 1/8" = 1'-0"

KEYED NOTES

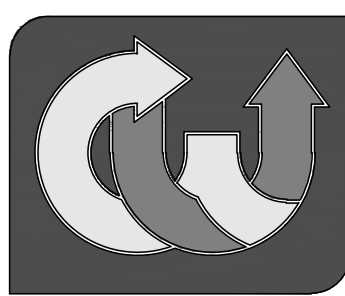
PROVIDE LOCKABLE COVER.



TELEPHONE & CATV RISER
N.T.S.



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



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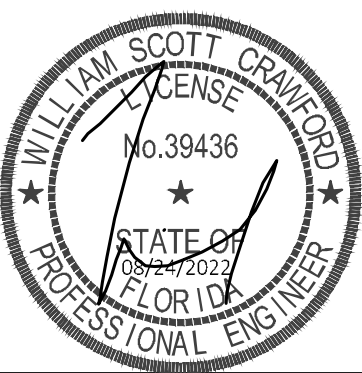
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PROPOSED NEW HOME FOR:

NOKOMIS MEDICAL CENTER

498 S. TAMiami TrL.
NOKOMIS, FL.

PERMIT #

SECOND FLOOR
ELECTRICAL PLAN

Sheet Title

Drawing Name: NOKOMIS OFFICE

Design: CWE

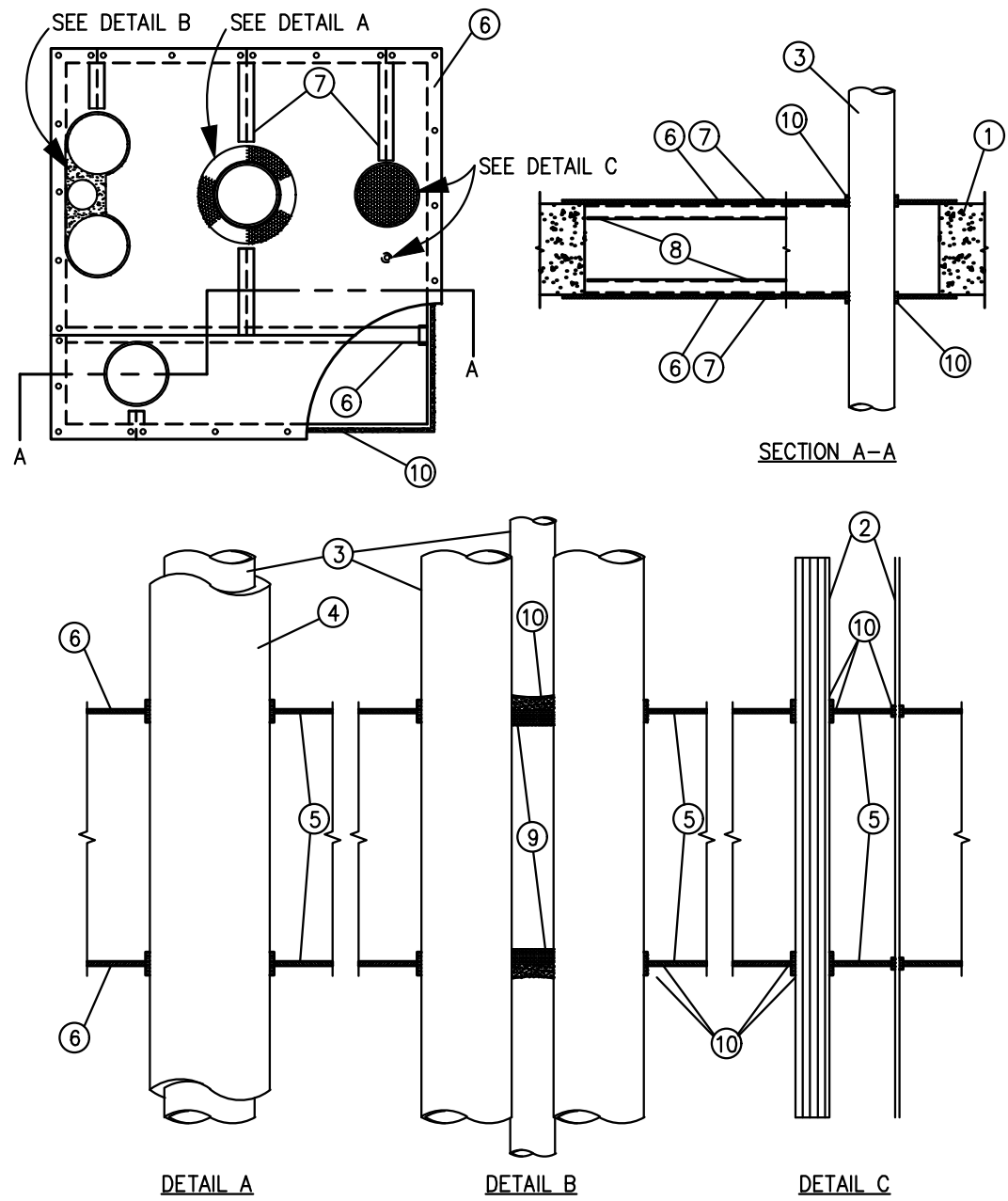
Issues: 08/24/2022

Job No.: 2203

Sheet Number:

E-2

System No. C-BJ-8004
(Formerly System No. 233)
F Ratings - 2 and 4 hr (See Item 4)
T Ratings - 0, 3/4, 1-1/2 and 2 hr (See Items 2, 3, 4, and 8)
L Rating At Ambient - 76 CFM/sq ft
L Rating At 400 F - 7 CFM/sq ft



1. Floor or Wall Assembly - Min. 5-1/2 in. thick lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL classified Concrete Blocks.* Max area of opening 1500 sq. in. with Max dimension of 50 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Cables - Individual cable or tightly-bound circular bundle of cables having a Max bundle diam of 3 in. Min spacing between individual cables and/or cable bundles or between cables and pipe (Item 3) is 6 in. Cable rigidly supported on both sides of floor or wall assembly. The following types and sizes of copper conductor cables may be used:

A. Max 100 pair no. 24 AWG telephone cable; polyvinyl chloride (PVC) insulation and jacket materials. When Max 100 pr telephone cable is used, T Rating is 1-1/2 hr.

B. Max 25 pr No 24 AWG telephone cable; PVC insulation and jacket

materials. When Max 25 pr telephone cable is used, T Rating is 2 hr.

C. Max No. 12 AWG multiconductor power and control cable* PVC or cross polyethylene insulation, PVC jacket. When Max No. 12 AWG multiconductor cable is used, T Rating is 2 hr. When an individual cable of the types listed above is installed in a Max 1 in. diam through opening in the intumescent sheets (Item 6) and when only caulk fill material (Item 10) is used around the base of the cable at its egress from the intumescent sheet, the T Rating is 1 hr.

3. Pipe, or Conduit - Nom 12 in. diam (or smaller) schedule 10 (or heavier) steel pipe, nom 6 in. diam (or smaller) steel conduit, nom 4 in. diam (or smaller) steel EMT or nom 4 in. diam (or smaller) Type L (or heavier) copper pipe. Pipe, conduit or EMT rigidly supported on both sides to floor or wall assembly. When Max 4 in. diam steel pipe, conduit or EMT is used, T Rating is 3/4 hr. When Max 2 in. diam steel pipe, conduit or EMT is used, T Rating is 1-1/2 hr. When Max. 2 in. diam steel pipe, conduit or EMT is used, T Rating is 1-1/2 hr. When copper pipe is used or conduit larger than 4 in. is used, T Rating is 0 hr.

4. Pipe covering - (Optional) - Nom 1 or 2 in. thick hollow cylindrical heavy density (Min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with built strip tape supplied with the product. When nom 1 in. thick pipe cover coverings is used on Max 12 in. diam steel pipe, T Rating is 3/4 hr. When nom 1 in. thick pipe covering is used on Max. 4 in. diam steel pipe, T Rating is 1-1/2 hr. When nom 1 in. thick pipe covering is used on Max. 4 in. diam copper pipe, T Rating is 1 hr. When Nom 2 in. thick pipe covering is used, F Rating is 2 hr and T Rating is 1 hr.

See Pipe and Equipment Covering - Materials (BRGU) category in the Building Materials directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

5. Fill, Void or Cavity Materials* - Wrap Strip - Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in nom 2 in. wide by 24 in. long strips. Single layer of wrap strip tightly -wrapped around each cable bundle, each copper pipe, each steel pipe or conduit larger than 4 in. diam and each pipe with nom 1 in. thick pipe covering material. Two layers of wrap strip required on each pipe with nom 2 in. thick pipe covering material. Wrap strip layer(s) installed with foil side exposed and secured in place with steel wire ties. When tight grouping of steel pipes, conduits or EMT does not readily permit tight installation of the intumescent sheet (Item 6) on both sides of the floor or wall assembly. Wrap strip layer not required on individual nom 4 in. diam (or smaller) steel pipe, conduit or EMT.

Minnesota Mining & Mfg. Co. - type FS-1954+

6. Fill, Void or Cavity Materials* - Intumescent Sheet - rigid aluminum foil -faced sheet with galv steel sheet backer, sheet cut to tightly-follow the contours of the individual pipes, conduits and EMT and the contours of the wrap strip (Item 5) on the cable bundles, pipes, insulated pipes and grouped pipes, conduits and EMT. Sheets to lap a Min of 2 in. on the floor or wall surface on all sides of the opening on both sides to the floor or wall assembly. Sheet to be installed with the galv steel sheet backer exposed (aluminum foil facing against floor or wall surface) and secured the floor or wall surface with Min 1/4 in. diam by 1-1/2 in. long steel expansion bolts, or equivalent, in conjunction with Min 1-1/4 in. diam

steel fender washers. Max spacing of fasteners not to exceed 6 in. with additional fasteners located on each side of butted seams or slits made to permit installation of the sheet around the individual penetrating items.

Minnesota Mining & Mfg. C.-type CS-1954+

7. Steel Cover Strip- Min 2 in. wide strip of Min 0.020 in thick (no. 26 ga) galv steel centered over butted seams of adjoining intumescent sheets and over entire length of each slit made in intumescent sheet (Item 6) to permit installation about the penetrating item(s). Prior to installation of the steel strip, the seam of slit in the intumescent sheet shall be covered with a nom 1/4 in. diam bead of caulk (Item 10). Steel cover strip secured to galv steel sheet backer of intumescent sheet with steel sheet metal screws or steel rivets spaced Max 3 in. OC on each side of seam or slit.

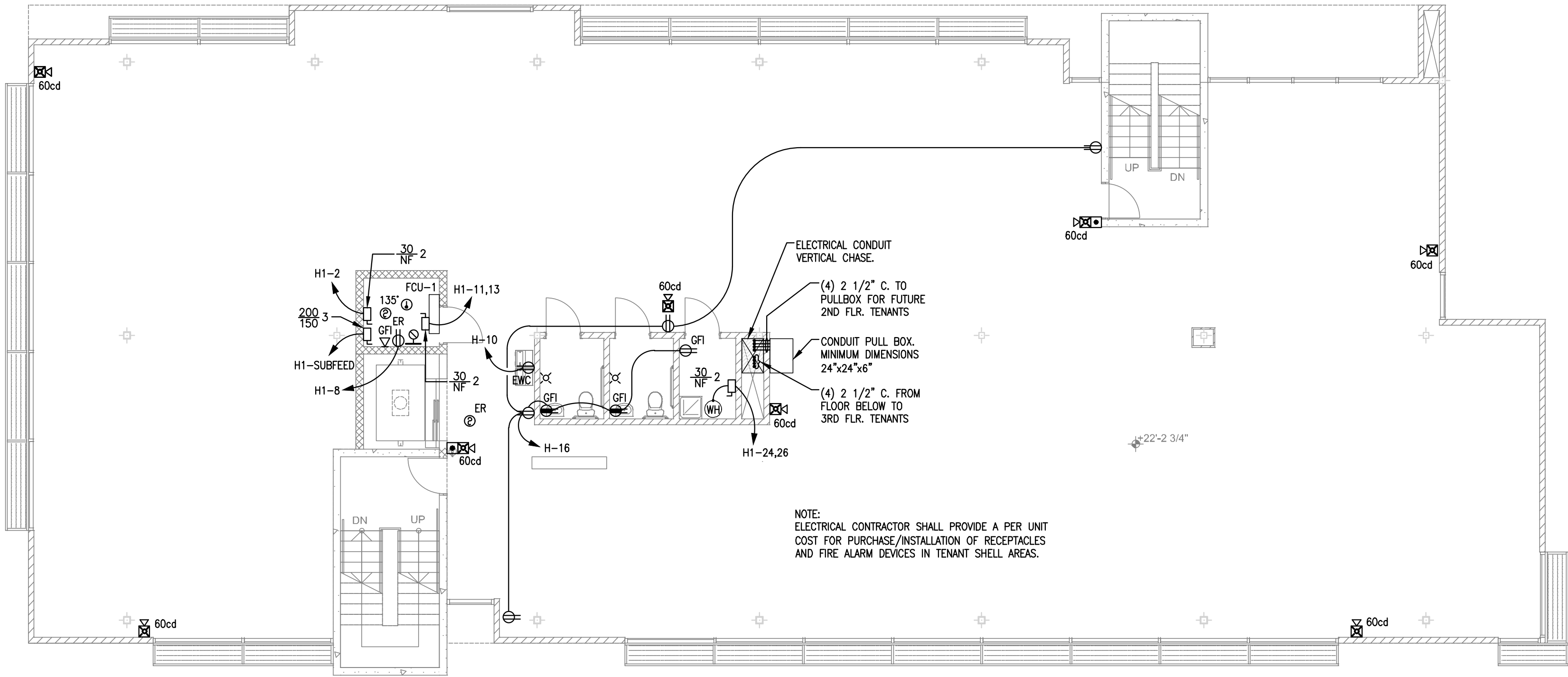
8. Support Channel - When are of through opening exceeds 750 sq. in., an intermediate support channel shall be installed on each side of floor or wall assembly, flush with floor or wall surface, support channels to be Min 1-5/8 by 1- 5/8 in. and formed of Min 0.093 in. thick (No. 12 ga) painted or galv steel. Ends of steel channel bolted or welded to steel angle anchored to inside walls of through opening. When steel support channels are centered beneath butted seams of intumescent sheets, no steel cover strip (Item 7), is required over butted seam. Intumescent sheets secured to steel support channels with steel sheet metal screws in conjunction with Min 1-1/4 in. diam steel fender washers. When support channel is used beneath butte seam of intumescent sheets, fasteners spaced Max 3 in. OC on each side of butted seam. When support channel is located away from intumescent sheet seam, fasteners spaced Max 6 in. OC. Prior to installation of the intumescent sheet(s), a nom 1/4 in. diam continuous bead of caulk (Item 10) shall be applied as a gasket over the steel support Channel. When steel support channels are used, T Rating is 1-1/2 hr.

9. Packing Material - When tightly-grouped steel pipes, conduits or EMT are encircled with contoured wrap strip (Item 5), the interstices between the pipes within the wrap strip shall be firmly packed with a nom 1 in. thickness of mineral wool batt insulation. Packing material to be recessed 1 in. from edge of wrap strip on each side of floor or wall assembly.

10. Fill, Void or Cavity Materials*-Caulk - Generous application of caulk to be applied around the base of the individual cables, pipes, conduits, EMT and contour applied wrap strips at their egress from the intumescent sheet on both sides of the floor or wall assembly. An additional bead of caulk shall be applied to edge of intumescent sheet at its interface with floor or wall surface around entire perimeter. When tightly-grouped steel pipes-conduits, or Pipes or conduits or EMT are encircled with as contoured wrap of wrap strip (Item 5), a Min 1 in. thickness of caulk shall be applied over the packing material (Item 9) to completely fill the cavity within the wrap strip on each side of the floor or wall assembly.

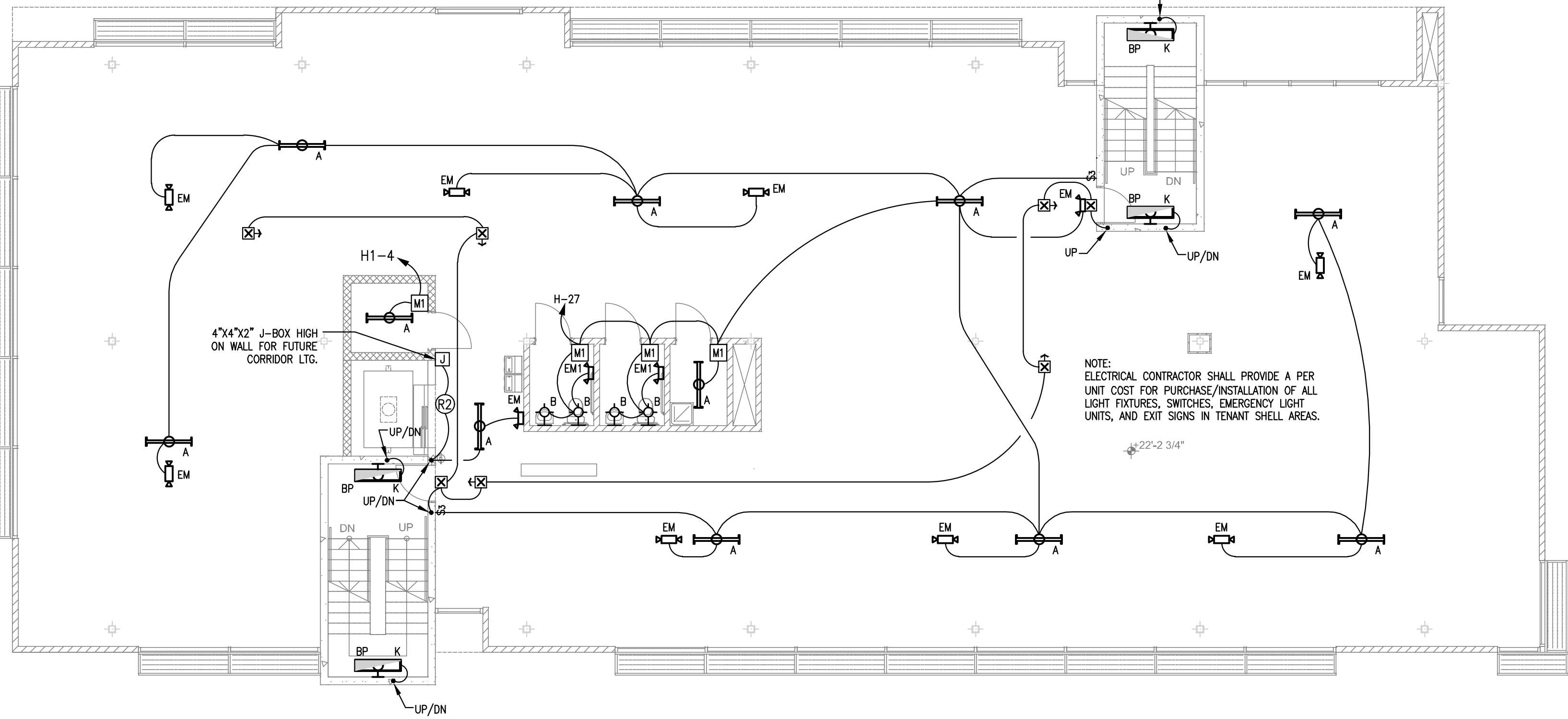
Minnesota Mining & Mfg. Co. - CP 25WB+

*Bearing the UL Classification Marking



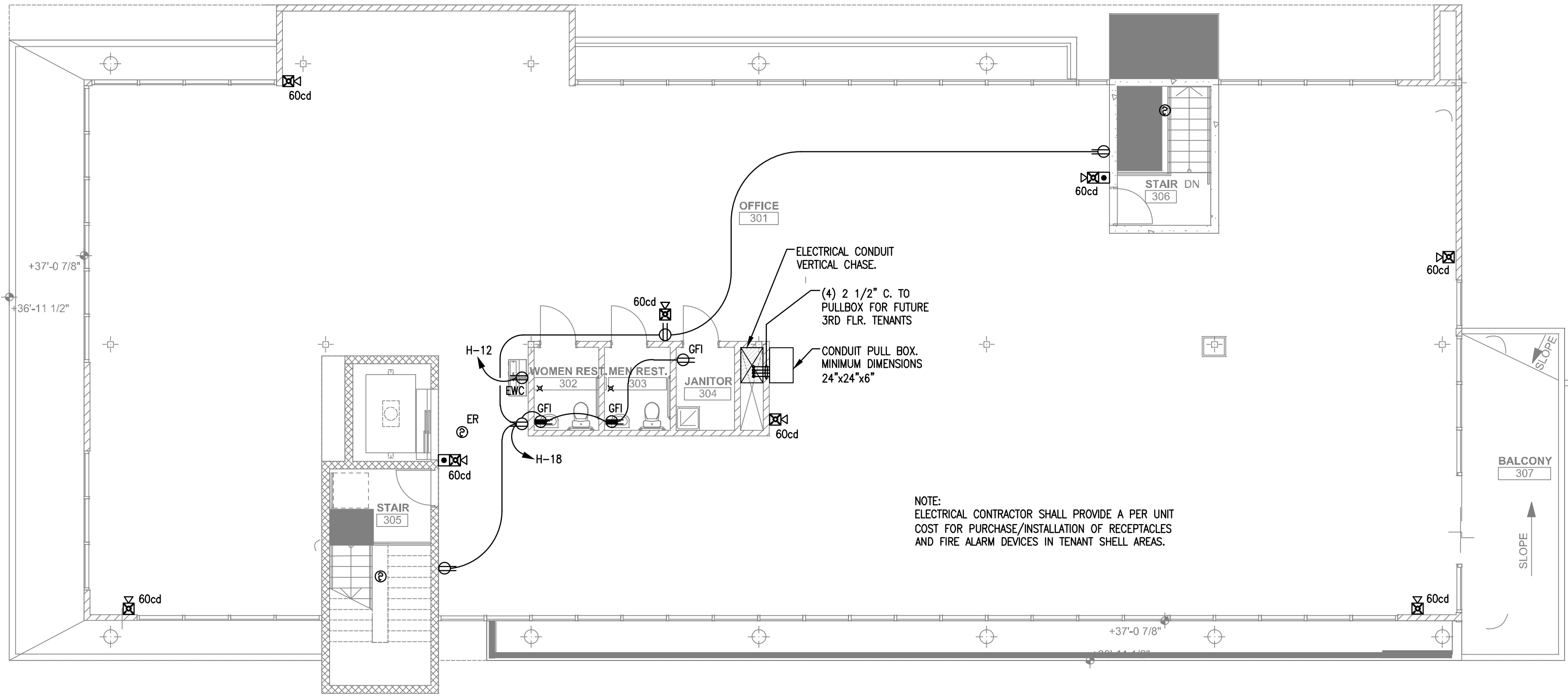
2ND FL. POWER & SYSTEMS PLAN

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

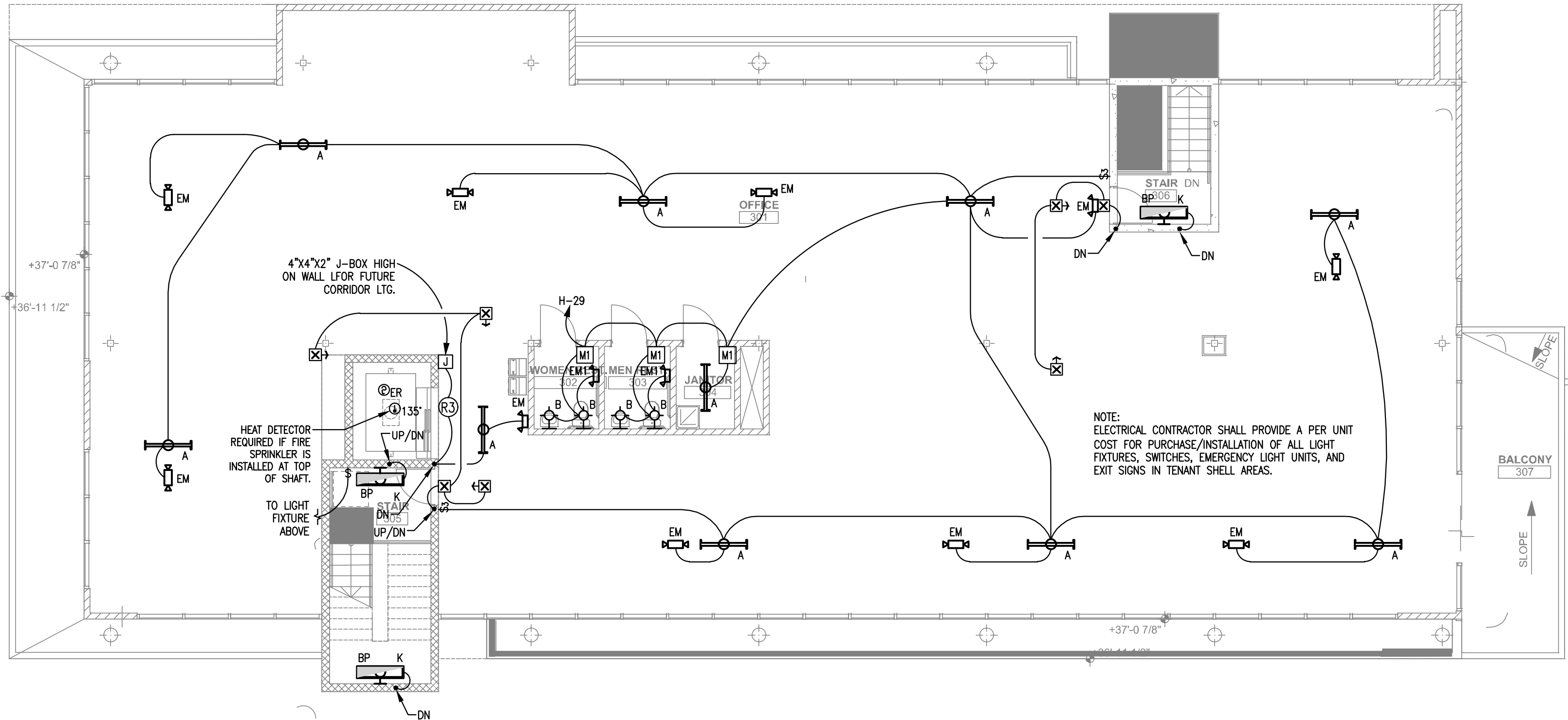


2ND FL. LIGHTING PLAN

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

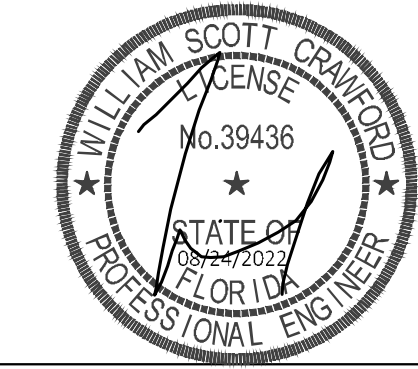


3RD FL. POWER & SYSTEMS PLAN
SCALE: 1/8" = 1'-0"



3RD FL. LIGHTING PLAN
SCALE: 1/8" = 1'-0"

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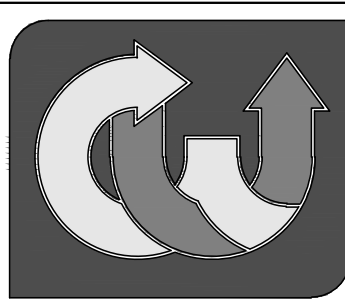


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No.	Description	Date

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No.	Description	Date

PROPOSED NEW HOME FOR:	NOKOMIS MEDICAL CENTER
	498 S. TAMiami TrL. NOKOMIS, FL.

PERMIT #	
Sheet Title	THIRD FLOOR ELECTRICAL PLAN
Drawing Name:	NOKOMIS OFFICE
Design:	CWE
Issues:	08/24/2022
Job No.:	2203
Sheet Number:	E-3

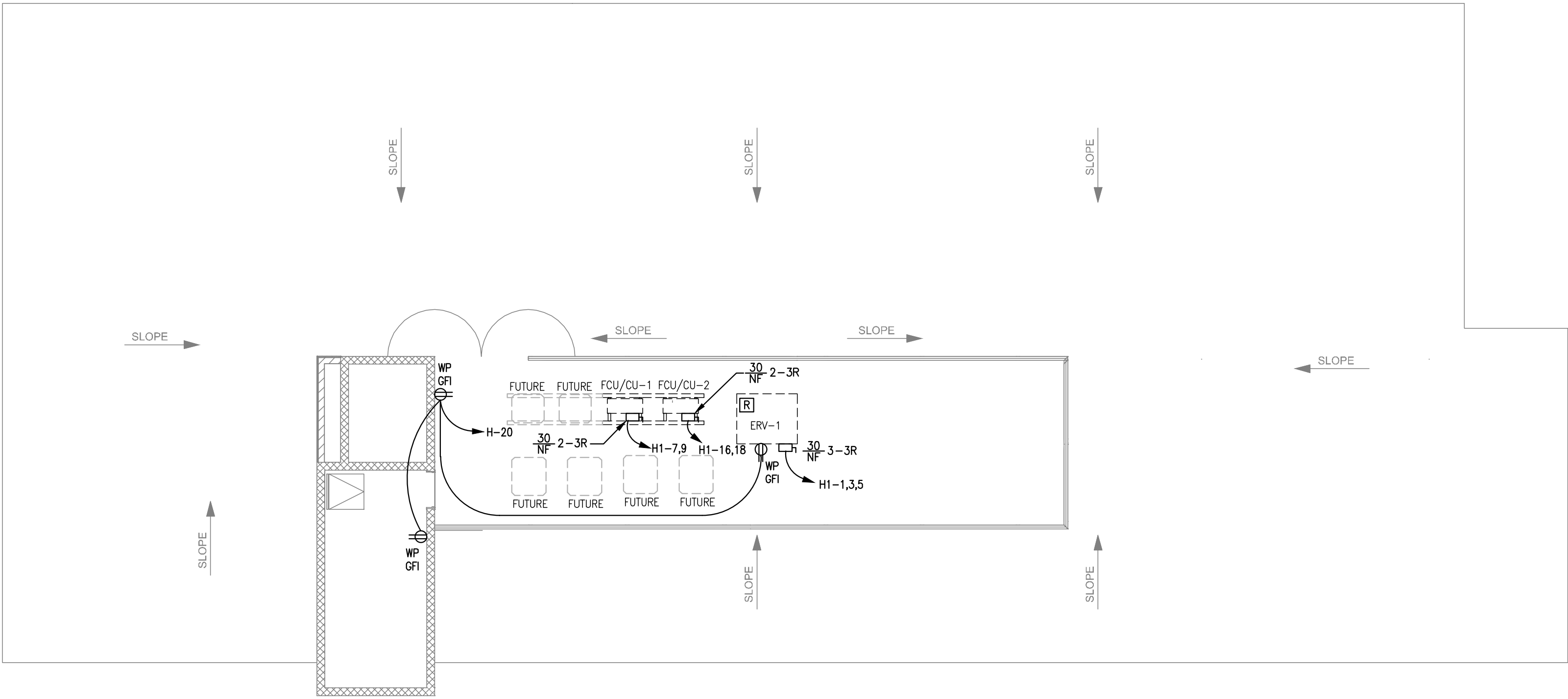


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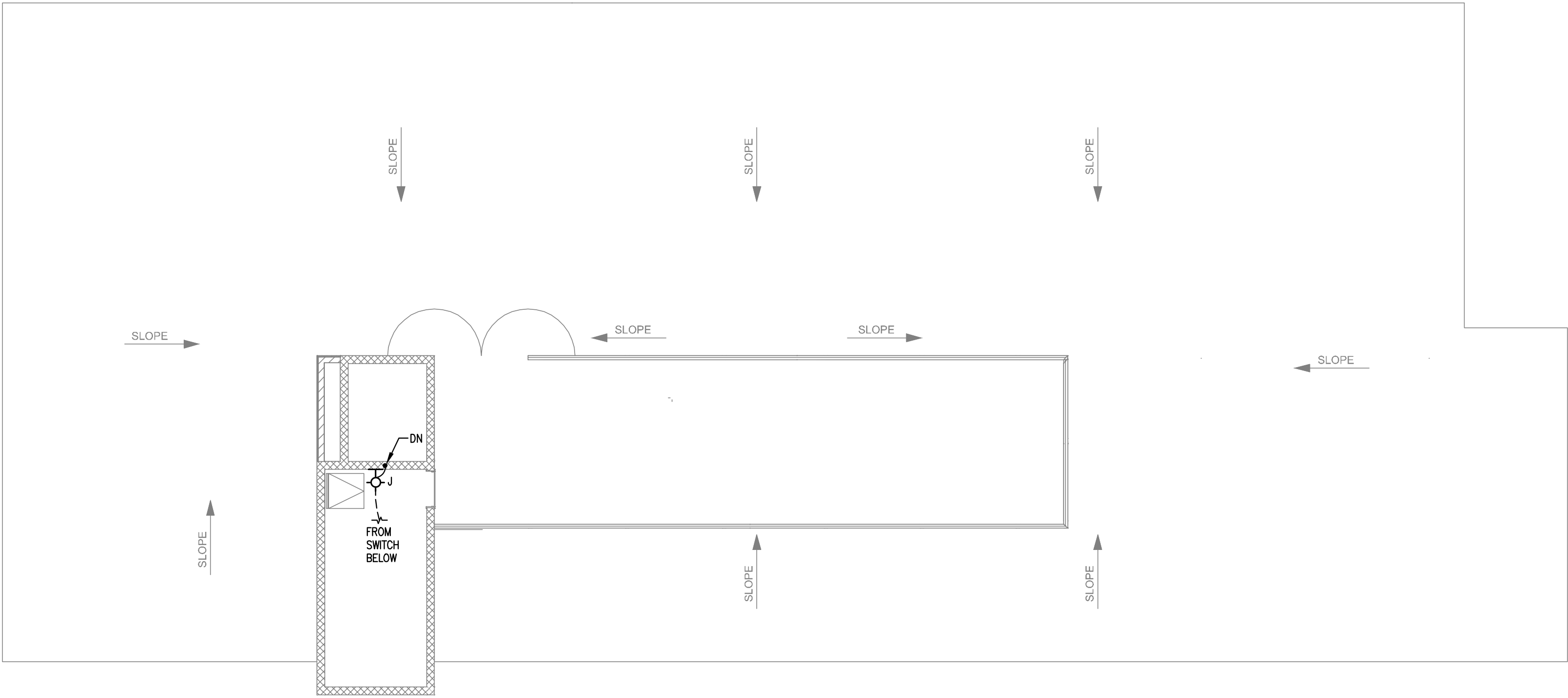
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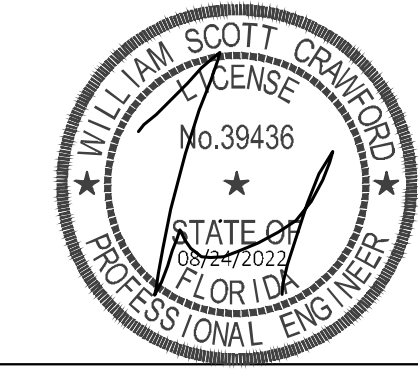
ROOF POWER & SYSTEMS PLAN
SCALE: 1/8" = 1'-0"



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

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS AS DETERMINED IN ACCORDANCE WITH CHAPTERS 553 AND 633, FLORIDA STATUTES

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PROPOSED NEW HOME FOR:	NOKOMIS MEDICAL CENTER
	498 S. TAMiami TrL. NOKOMIS, FL.

PERMIT #	
ROOF ELECTRICAL PLAN	
Sheet Title	
Drawing Name:	NOKOMIS OFFICE
Design:	CWE
Issues:	08/24/2022
Job No.:	2203
Sheet Number:	
E-4	

LIGHTING & SWITCH SYMBOL LEGEND		
SYMBOL	DESCRIPTION	COMMENT
	TYPICAL CEILING-MOUNTED, FLUORESCENT LIGHT FIXTURE SUBLETTER INDICATES FIXTURE TYPE	SEE FIXTURE SCHEDULE
	FLUORESCENT STRIP SUBLETTER INDICATES FIXTURE TYPE	SEE FIXTURE SCHEDULE
	TYPICAL RECESSED DOWNLIGHT SUBLETTER INDICATES FIXTURE TYPE	SEE FIXTURE SCHEDULE
	TYPICAL SURFACE MOUNTED FIXTURE SUBLETTER INDICATES FIXTURE TYPE	SEE FIXTURE SCHEDULE
	TYPICAL WALL MOUNTED LIGHTING FIXTURE SUBLETTER INDICATES FIXTURE TYPE	SEE FIXTURE SCHEDULE
	TYPICAL PENDENT MOUNTED LIGHT FIXTURE SUBLETTER INDICATES FIXTURE TYPE	SEE FIXTURE SCHEDULE
	TYPICAL TRACK LIGHTING FIXTURE SUBLETTER INDICATES FIXTURE TYPE	SEE FIXTURE SCHEDULE
	EMERGENCY LIGHT FIXTURE SUBLETTER INDICATES FIXTURE TYPE	SEE FIXTURE SCHEDULE
	SHADING INDICATES FIXTURE SUPPLIED WITH EMERGENCY POWER VIA BATTERY PACK (BP)	SEE FIXTURE SCHEDULE FOR BATTERY PACK SPECIFICATION
	CEILING OR WALL-MOUNTED, SELF-CONTAINED EMERGENCY EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED ON PLANS	SEE FIXTURE SCHEDULE
	WALL PACK SUBLETTER INDICATES FIXTURE TYPE	SEE FIXTURE SCHEDULE
	SITE LIGHTING FIXTURE SUBLETTER INDICATES FIXTURE TYPE	SEE FIXTURE SCHEDULE
	UPLIGHT FIXTURE SUBLETTER INDICATES FIXTURE TYPE	SEE FIXTURE SCHEDULE
	FLOOD LIGHT FIXTURE SUBLETTER INDICATES FIXTURE TYPE	SEE FIXTURE SCHEDULE
	TYPICAL CEILING FAN SUBLETTER INDICATES FIXTURE TYPE	SEE FIXTURE SCHEDULE
	SINGLE POLE SWITCH (20 AMP)	MOUNT AT 48" AFF UNLESS OTHERWISE NOTED
	2-POLE SWITCH ----	----
	3-WAY SWITCH (20 AMP)	MOUNT AT 48" AFF UNLESS OTHERWISE NOTED
	4-WAY SWITCH (20 AMP)	MOUNT AT 48" AFF UNLESS OTHERWISE NOTED
	DIMMER SWITCH (20 AMP)	MOUNT AT 48" AFF UNLESS OTHERWISE NOTED
	MOTOR RATED SWITCH ----	MOUNT TO UNIT UNLESS OTHERWISE NOTED
	SWITCHBANK (EXCLUDING LETTERS "J", "I", AND "M") SEE DETAIL CORRESPONDING TO INDICATED LETTER	MOUNT AT 48" AFF UNLESS OTHERWISE NOTED

ELECTRICAL SWITCHGEAR SYMBOL LEGEND		
SYMBOL	DESCRIPTION	COMMENT
	ELECTRIC MOTOR ----	----
	SERVICE DISCONNECT, COORDINATE SIZE, TYPE & LOCATION W/ EQUIPMENT PROVIDER/INSTALLER	----
	COMBINATION ELECTROMECHANICAL STARTER & DISCONNECT SUBSCRIPT INDICATES NEMA STARTER SIZE	----
	FRAME FUSE 100 3-3R	----
	HEAT STRIP COORDINATE W/ DIV. 15 CONTRACTOR	----
	MOTORIZED DAMPER COORDINATE W/ DIV. 15 CONTRACTOR	----
	208/240V ELECTRIC PANEL ----	----
	480V ELECTRIC PANEL ----	----
	208/240V ENCLOSED CIRCUIT BREAKER ----	----
	480V ENCLOSED CIRCUIT BREAKER ----	----
	SURGE SUPPRESSION DEVICE ----	----
	AVAILABLE SHORT CIRCUIT CURRENT EQUIPMENT INTERRUPT RATING	----
	CONTRACTOR CABINET FIELD SIZED BY THE ELECTRICAL CONTRACTOR	----
	CONTRACTOR REFER TO CONTRACTOR DETAIL	----
	TRANSFORMER ----	----

ELECTRICAL CONDUIT & CIRCUITING LEGEND		
SYMBOL	DESCRIPTION	COMMENT
	SWITCH LEG ----	----
	POWER LEG ----	----
	HOMERUN TO PANEL PANEL NAME-CIRCUIT NUMBER	----
	LOW VOLTAGE CIRCUIT ----	----
	CONDUIT MATERIAL, SIZE & ROUTING AS NOTED ON PLANS	----
	CONDUIT UNDERGROUND OR IN SLAB MATERIAL, SIZE & ROUTING AS NOTED ON PLANS	----
	POINT OF CONNECTION ----	----

RECEPTACLE, DATA & TELEVISION SYMBOL LEGEND		
SYMBOL	DESCRIPTION	COMMENT
	SIMPLEX RECEPTACLE ----	MOUNT AT 18" AFF UNLESS OTHERWISE NOTED
	DUPLEX RECEPTACLE ----	MOUNT AT 18" AFF UNLESS OTHERWISE NOTED
	QUADRUPLEX RECEPTACLE ----	MOUNT AT 18" AFF UNLESS OTHERWISE NOTED
	ABOVE COUNTER RECEPTACLE ----	MOUNT AT 6" ABOVE COUNTER UNLESS OTHERWISE NOTED
	220V RECEPTACLE-AMPS AS INDICATED ON PLANS REFER TO NEMA PLUG & CONNECTOR CONFIGURATION DETAIL	MOUNT AT 18" AFF UNLESS OTHERWISE NOTED
	HALF-SWITCHED RECEPTACLE ----	MOUNT AT 18" AFF UNLESS OTHERWISE NOTED
	FLOOR MOUNTED RECEPTACLE ----	FLUSH WITH FLOOR
	CEILING MOUNTED RECEPTACLE ----	FLUSH WITH CEILING
	JUNCTION BOX ----	ACCORDING TO NEC REQUIREMENTS
	TELEPHONE OUTLET ----	MOUNT AT 18" AFF UNLESS OTHERWISE NOTED
	ABOVE COUNTER TELEPHONE OUTLET ----	MOUNT AT 6" ABOVE COUNTER UNLESS OTHERWISE NOTED
	FLOOR MOUNTED TELEPHONE OUTLET ----	FLUSH WITH FLOOR
	CEILING MOUNTED TELEPHONE OUTLET ----	FLUSH WITH CEILING
	COMBINATION DATA/TEL/COMM OUTLET ----	MOUNT AT 18" AFF UNLESS OTHERWISE NOTED
	ABOVE COUNTER COMBINATION DATA/TEL/COMM OUTLET ----	MOUNT AT 6" ABOVE COUNTER UNLESS OTHERWISE NOTED
	FLOOR MOUNTED COMBINATION DATA/TEL/COMM OUTLET ----	FLUSH WITH FLOOR
	CEILING MOUNTED DATA/TEL/COMM OUTLET ----	FLUSH WITH CEILING
	TELEVISION OUTLET REFER TO TELEVISION OUTLET DETAIL	MOUNT AT 18" AFF UNLESS OTHERWISE NOTED

FIRE ALARM SYMBOL LEGEND		
SYMBOL	DESCRIPTION	COMMENT
	MANUAL PULL STATION ----	----
	HEAT DETECTOR ----	----
	SMOKE DETECTOR ----	----
	NON-SYSTEM SMOKE DETECTOR (DETECTOR TO INITIATE TROUBLE SIGNAL AT PANEL)	----
	SMOKE DETECTOR FOR ELEVATOR RECALL ER	----
	DUCT MOUNTED SMOKE DETECTOR COORDINATE LOCATION DIV. 15 PLANS	----
	TAMPER SWITCH, PROVIDED BY SPRINKLER CONTRACTOR, WIRED BY FIRE ALARM CONTRACTOR	----
	FLOW SWITCH, PROVIDED BY SPRINKLER CONTRACTOR, WIRED BY FIRE ALARM CONTRACTOR	----
	VISIBLE ANNUNCIATOR ----	MOUNT AT 84" AFF
	AUDIBLE/VISIBLE COMBINATION ANNUNCIATOR ----	MOUNT AT 84" AFF
	AUDIBLE ANNUNCIATOR ----	MOUNT AT 84" AFF
	ELEVATOR "DO NOT USE" SIGNAL ----	----
	FIRE ALARM SYSTEM INTERFACE RELAY R	----
	TEST LAMP SWITCH TL	MOUNT AT 48" AFF UNLESS OTHERWISE NOTED
	FIRE ALARM CONTROL UNIT FACP	----
	REMOTE ANNUNCIATING PANEL FAM	----
	AUTOMATIC DIALER DCT	----

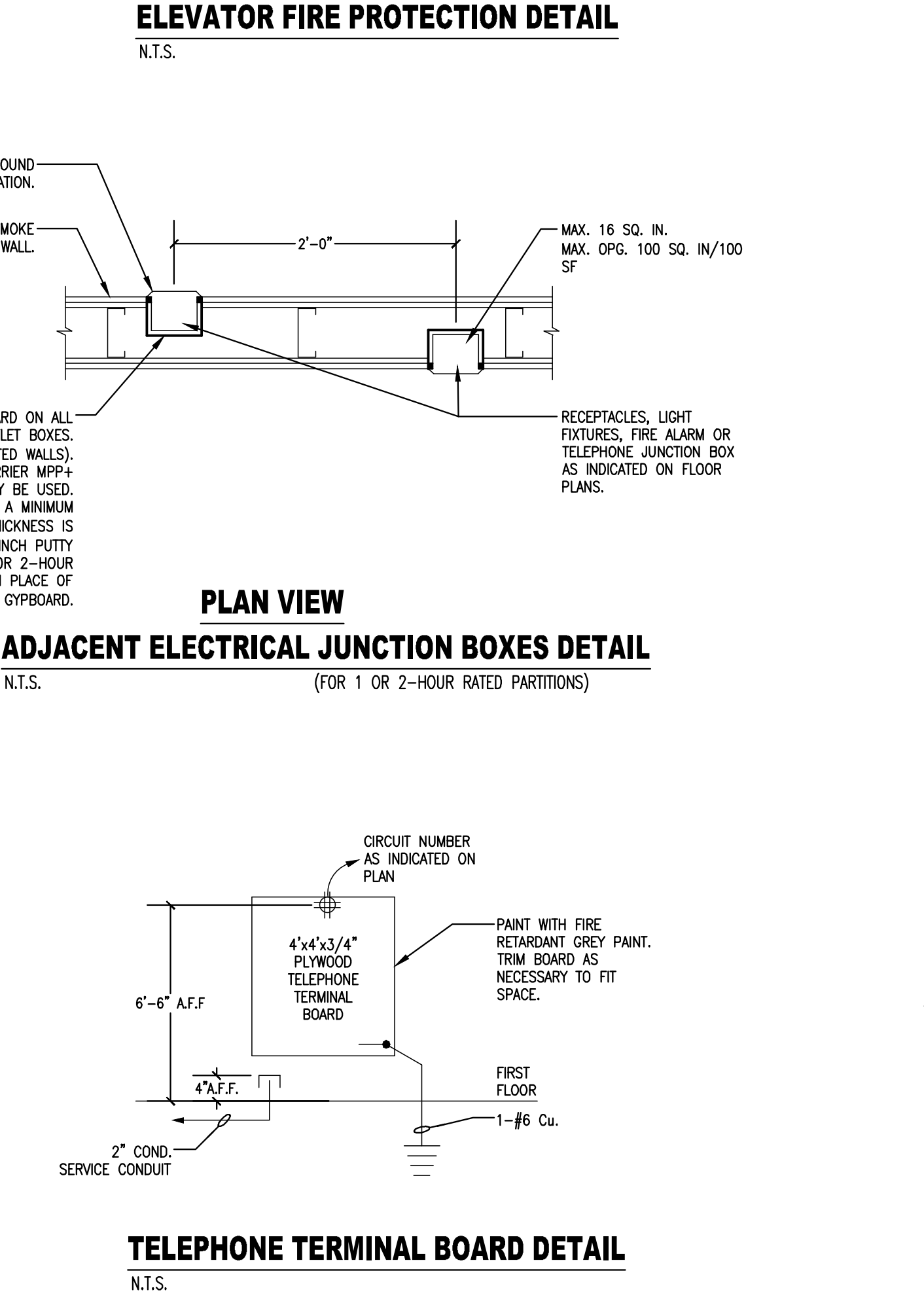
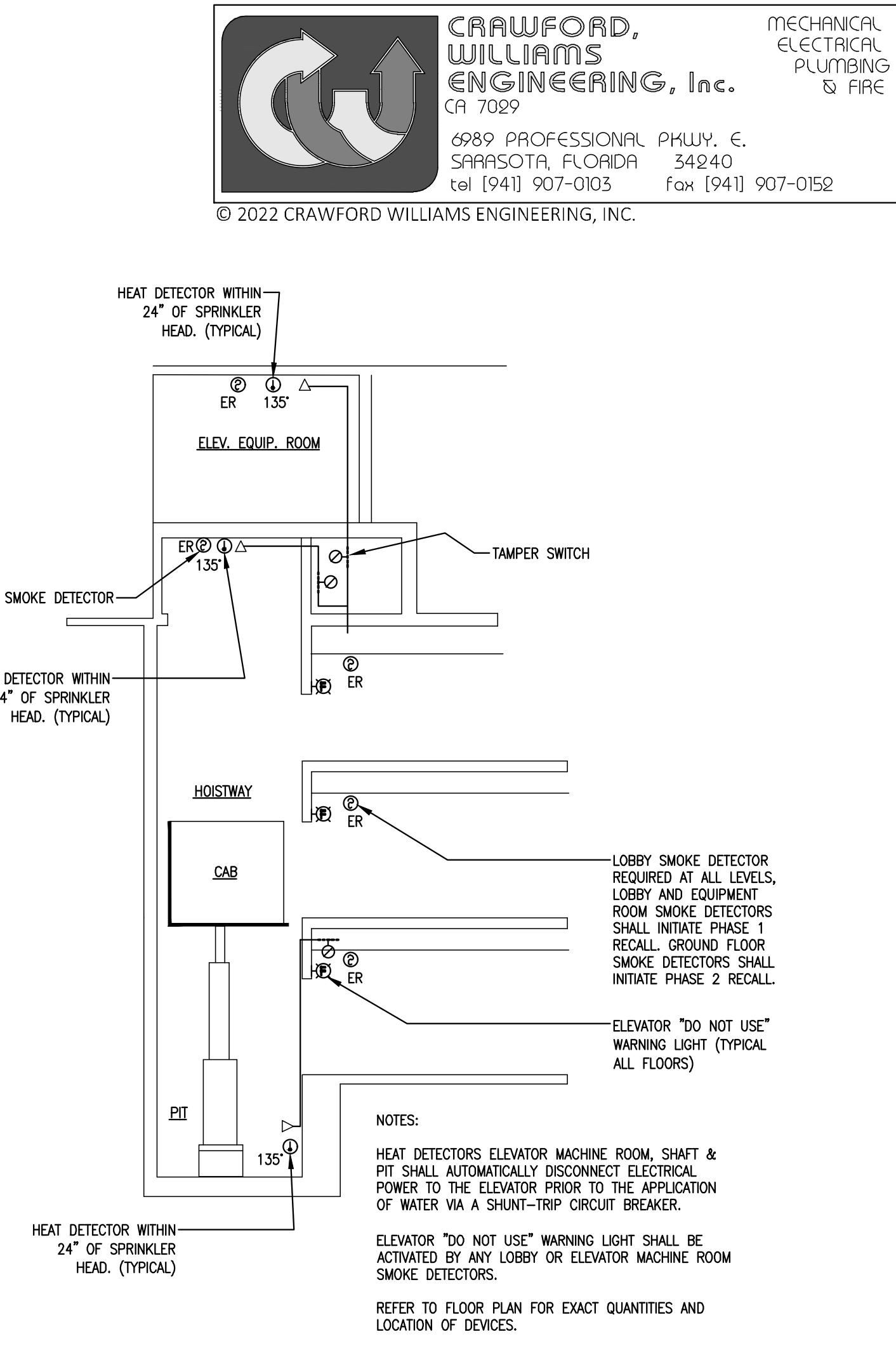
ELECTRICAL ABBREVIATIONS			
AFF	ABOVE FINISHED FLOOR	HORIZ	HORIZONTAL
AFI	ARC FAULT INTERRUPTER	LW	LOW WHITE
AFC	ABOVE FINISHED COUNTER	HP	HORSEPOWER, HEAT PUMP
AFG	ABOVE FINISHED GRADE	HVAC	HEATING, VENTING, AIR CONDITIONING
AHU	AIR HANDLING UNIT	IGR	ISOLATED GROUND RECEPTACLE
AUF	ABOVE UNFINISHED FLOOR	JS	JUNCTION BOX
BFG	BELOW FINISHED GRADE	LRA	LOCKED ROTOR AMPERES
C	CONDUIT	MCB	MAIN CIRCUIT BREAKER
C/L	CENTERLINE	MLO	MAIN LUGS ONLY
CU	CONDENSING UNIT	N	NEUTRAL
CW	COOL WHITE	NL	NIGHT LIGHT
DN	DOWN	OB	OUTLET BOX
E	EXISTING ELEC DEVICE TO REMAIN	PR	PULL BOX, PUSHBUTTON
EDH	ELECTRIC DUCT HEATER	PS	PAY STATION
EF	EXHAUST FAN	R	RELOCATED EXISTING ELEC DEVICE
ENCL	ENCLOSURE	RECEPT	RECEPTACLE
EW	ELECTRIC WATER COOLER	SF	SUPPLY FAN
EX	EXPLOSION PROOF	SPEC	SPECIFICATIONS
FCU	FAN COIL UNIT	TL	TWIST LOCK
FHP	FRACTIONAL HORSEPOWER	TTB	TELEPHONE TERMINAL BOARD
FLA	FULL LOAD AMPERES	VERT	VERTICAL
G	GROUND	WH	WATER HEATER
GFI	GROUND FAULT INTERRUPTER	WP	WEATHERPROOF
HID	HIGH INTENSITY DISCHARGE	WW	WARM WHITE
		XFMR	TRANSFORMER

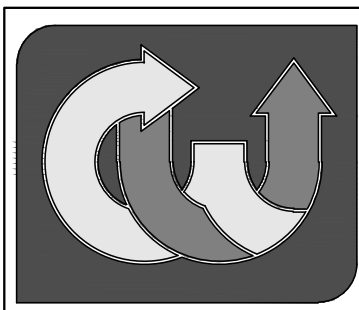
ELECTRICAL GENERAL NOTES		
1.	DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS FOR THE EXACT LOCATION OF EQUIPMENT, CONDUITS, LIGHTING FIXTURES RECEPTABLES, ETC.	
2.	COORDINATE ALL DEVICE LOCATIONS WITH OTHER TRADES AND WITH ARCHITECTURAL, INTERIOR DESIGN AND FURNISHING PLANS.	
3.	ALL ELECTRICAL WORK SHALL BE PER THE NATIONAL ELECTRIC CODE, THE FLORIDA BUILDING CODE, AND ANY LOCAL CODES OR ORDINANCES.	
4.	CONTRACTOR SHALL PAY FOR ALL FEES, TAXES AND PERMITS.	
5.	ALL POWER AND LINE VOLTAGE CONTROL WIRING BY THE ELECTRICAL CONTRACTOR. HVAC CONTROL WIRING BY MECHANICAL CONTRACTOR. CONDUIT INSTALLED BY ELECTRICIAN.	
6.	ALL PANELS SHALL HAVE TYPEWRITTEN DIRECTORIES.	
7.	THE CONTRACTOR SHALL KEEP AN UPDATED SET OF AS-BUILT DRAWINGS ON THE JOB-SITE AT ALL TIMES. FINISHED AS-BUILT DRAWINGS SHALL BE TURNED OVER TO THE OWNER AT THE TIME OF PROJECT COMPLETION.	
8.	ALL WIRE AND CABLE SHALL BE COPPER, MINIMUM SIZE #12 AWG (#14 AWG SHALL BE USED FOR CONTROL WORK). SIZE #10 AWG AND SMALLER SHALL BE SOLID TYPE THIN OR THIN. SIZES #8 AWG AND LARGER SHALL BE STRANDED TYPE THW OR THHN. ALL WIRING SHALL BE INSTALLED IN EMT TYPE CONDUIT (EXCEPTION: 6" FIXTURE AND EQUIPMENT DROPS).	
9.	CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL THE EXISTING CONDITIONS.	
10.	ALL REQUIRED INSURANCE SHALL BE PROVIDED BY THIS CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.	
11.	THE ELECTRICAL CONTRACTOR SHALL PROVIDE A GUARANTEE AGAINST DEFECTIVE WORKMANSHIP MATERIALS AND EQUIPMENT FOR A PERIOD OF 1 YEAR FROM THE DATE OF ACCEPTANCE.	
12.	SUBMIT SIX BOUND COPIES OF SHOP DRAWINGS WITH TYPED INDEXES SHOWING TYPE AND CATALOG NUMBERS ON ALL EQUIPMENT AND OBTAIN APPROVAL PRIOR TO ORDER AND INSTALLATION.	
13.	PROVIDE ENGRAVED PHENOLIC NAMEPLATES, 1/4" WHITE LETTERS ON A BLACK BACKGROUND, FOR ALL PANELS, MAIN SWITCHES, ETC. FASTEN WITH A MINIMUM OF 2 SCREWS. SERVICE MAINS TO BE MARKED WITH RED BACKGROUND PLATES.	
14.	AT DATA/COMM/TEL OUTLETS SHOWN, PROVIDE J-BOX AND 3/4" CONDUIT TO 6" ABOVE CEILING. FACE PLATE AND WIRING BY OTHERS.	
15.	COORDINATE ALL CONDUIT REQUIREMENTS WITH HVAC CONTROLS, FIRE ALARM, SECURITY AND OTHER TRADES.	
16.	MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED BUT NECESSARY FOR PROPER OPERATION AND CONSISTENT WITH GOOD WORKMANSHIP, ARE TO BE INCLUDED BY THE CONTRACTOR IN HIS ESTIMATE, THE SAME AS IF SHOWN IN THE DRAWINGS OR SPELLED OUT IN THE SPECIFICATIONS.	
17.	THE ELECTRICAL CONTRACTOR SHALL ADDRESS ANY PRE-BID AND/OR FIELD DISCOVERED PROBLEMS AND OR CONFLICTS, ETC. VIA TYPEWRITTEN RPT TO THE ENGINEER FOR RESOLUTION PRIOR TO THE BID DATE.	
18.	MATERIALS OR PRODUCTS SPECIFIED HEREIN AND/OR INDICATED ON DRAWINGS BY TRADE NAME, MANUFACTURER'S NAME OR CATALOG NUMBER SHALL BE PROVIDED AS SPECIFIED.	
19.	ALL PROPOSED SUBSTITUTIONS TO ITEMS SPECIFIED ON THESE PLANS ARE TO BE SUBMITTED NO LATER THAN FIVE (5) WORKING DAYS PRIOR TO THE BID DATE. SUBSTITUTIONS WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE ENGINEER.	
20.	APPROVALS OF "OR EQUIVALENT" SUBSTITUTIONS WILL BE MAILED TO ALL BIDDERS AS AN ADDENDUM TO THE CONTRACT DOCUMENTS AS DETERMINED NECESSARY BY ENGINEER/ARCHITECT.	
21.	ANY CONTRACTOR WISHING TO SUBMIT FOR AN "OR EQUIVALENT" SUBSTITUTION WILL SUBMIT WITH HIS REQUEST COMPLETE CATALOG INFORMATION TO PERMIT EVALUATION OF THE PRODUCT, AND IN THE CASE OF LIGHTING FIXTURES, A PHOTOMETRIC POINT-BY-POINT REPORT FOR EACH AREA AFFECTED BY SUBSTITUTION(S).	

ELEVATOR SHUT-DOWN NOTES		
1.	ELEVATOR SHUT-DOWN RELAY IN NEMA-1 ENCLOSURE WITH 120V, A.C. COIL AND ONE N.O. CONTACT RATED AT 1 AMP. (SQUARE "D" TYPE "C" RELAY #8501C06V20 WITH 20 VA COIL DRAW OR LESS). CONNECT POWER TO ELEVATOR MAIN POWER SHUNT-TRIP THROUGH CONTACTS IN RELAY.	
2.	ELEVATOR SMOKE RELAY IN NEMA-1 ENCLOSURE WITH 120V, A.C. COIL AND TWO N.O. CONTACTS RATED AT 1 AMP. SIMILAR TO SQUARE "D" TYPE "C" RELAY #8501C07V20 WITH 20 VA COIL DRAW OR LESS. CONNECT SIGNAL FROM ELEVATOR CONTROLLER THROUGH ONE CONTACT TO SEND THE ELEVATOR INTO A PHASE 1 RECALL.	
3.	ELEVATOR MACHINE ROOM AND HOISTWAY SMOKE DETECTOR SHALL HAVE ONE SET OF N.O. AUXILIARY CONTACTS RATED FOR MIN. 1 AMP AT 120V. THESE CONTACTS WILL CONTROL POWER TO THE COIL OF THE ELEVATOR SMOKE RELAY. DETECTOR SHALL BE CONNECTED TO THE SAME F.A. ZONE AS THE OTHER ASSOCIATED WITH THE ELEVATOR.	
4.	ELEVATOR MACHINE ROOM, HOISTWAY, AND PIT HEAT DETECTOR SHALL BE A 135° F FIXED TEMPERATURE UNIT WITH ONE SET OF N.O. AUXILIARY CONTACTS RATED FOR MIN. 1 AMP AT 120V. THESE CONTACTS WILL CONTROL POWER TO THE COIL OF THE ELEVATOR SHUT-DOWN RELAY. THESE DETECTORS SHALL BE LOCATED NEXT TO THE SPRINKLER HEAD AND CONNECTED TO THE SAME F.A. ZONE AS THE OTHER DETECTORS ASSOCIATED WITH THE ELEVATOR.	
5.	PROVIDE A RED WARNING LIGHT (MIN. 1/8" DIA.) LOCATED ABOVE THE ELEVATOR CALL BUTTONS ON THE FLOOR OF EGRESS. PROVIDE AN ENGRAVED LABEL "DO NOT USE ELEVATOR WHEN LIT" LOCATED ABOVE LAMP. WARNING LIGHT WILL BE CONTROLLED BY THE ELEVATOR SMOKE RELAY.	
6.	PROVIDE 50 VA CONTROL TRANSFORMER WITH FUSE BLOCK IN NEMA 1 ENCLOSURE. PRIMARY VOLTAGE TO MATCH ELEVATOR, 120V SECONDARY VOLTAGE, SIMILAR TO SQUARE "D" #9070KF50D1. PRIMARY FUSES AT .5 AMP, SECONDARY FUSES AT 1 AMP.	
7.	WIRING SHALL BE MIN. #12 COPPER WIRE IN 3/4" CONDUIT.	

MOTION DETECTION SYMBOL LEGEND		
SYMBOL	DESCRIPTION	COMMENT
	HUBBELL LH-MT-HL-W ----	WALL SWITCH MULTI-TECH DETECTOR

FIRESTOPPING NOTES		
1.	CONTRACTOR IS DEFINED AS THE PERSON OR COMPANY RESPONSIBLE FOR THE INSTALLATION OF ANY PIPING PENETRATING RATED WALLS OR FLOORS, OR THE SUB-CONTRACTOR RESPONSIBLE FOR FIRESTOPPING IF CONTRACTED OUT SEPARATELY BY THE OWNER / GENERAL CONTRACTOR.	
2.	FIRESTOPPING SHALL BE DEFINED AS THE PROTECTION OF ANY RATED WALL OR FLOOR AGAINST THE SPREAD OF FLAME, SMOKE AND GASES REQUIRED TO MAINTAIN THE INTEGRITY OF THE TIME-RATED CONSTRUCTION.	
3.	CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL PENETRATIONS FOR RATED FLOORS, CEILINGS, AND WALLS WITH THE APPROPRIATE FIRESTOPPING SYSTEM.	
4.	CONTRACTOR SHALL THOROUGHLY EXAMINE ARCHITECTURAL DRAWINGS PERTAINING TO FIRE AND SMOKE RATINGS OF ALL WALLS AND FLOOR AND DETERMINE THE APPROPRIATE FIRESTOPPING ASSEMBLY REQUIRED FOR CONDITION SPECIFIED.	
5.	ALL FIRE PROTECTION PRODUCTS MUST BE ASTM E 84, ASTM E 136, ASTM E 814 FOR WALLS OR E 119 FOR FLOORS, APPROVED SYSTEM, A UL LISTED PRODUCT AND MEET NFPA 101.	
6.	CONTRACTOR SHALL SUBMIT SPECIFICATIONS FOR ALL FIRESTOPPING PRODUCTS TO BE USED ON THE JOB WITH A DETAIL AND THE UL LISTED NUMBER CORRESPONDING TO THAT SPECIFIC CONFIGURATION WITH THE SUBMITTALS.	
7.	FIRESTOPPING ASSEMBLY SHALL NOT SUPPORT THE PIPE UNLESS FACTORY DESIGNED TO DO SO. PIPE SHALL BE SUPPORTED TO PREVENT MOVEMENT OF PIPING PASSING THROUGH ASSEMBLY.	
8.	ALL FIRESTOPPING PRODUCTS SHALL BE INSTALLED BY A QUALIFIED AND TRAINED TECHNICIAN OF THE COMPANY. DAY LABORERS AND TEMPORARY HELP MAY NOT INSTALL OR APPLY ANY FIRESTOPPING PRODUCTS. INSTALLER SHALL BE COMPLETELY FAMILIAR WITH THE PRODUCTS AND METHODS REQUIRED FOR A COMPLETE INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING: THE FOLLOWING ARE APPROVED MANUFACTURERS: 8.1. ALL FIRESTOPPING PRODUCTS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION PROCEDURES. 8.2. THE FIRE STOPPING ASSEMBLIES SHALL MAINTAIN THE RATING OF THE FLOOR OR WALL AND SHALL FORM AN EFFECTIVE BARRIER AGAINST THE SPREAD OF FLAME, SMOKE, GASES, AND MOISTURE. 8.3. INSTALLED ASSEMBLIES SHALL BE PROTECTED FROM DAMAGE WHERE EXPOSED TO SUCH CONDITIONS. 8.4. 3M FIRE PROTECTION PRODUCTS 8.5. SPECIFIED TECHNOLOGIES INC. FIRE STOPPING SYSTEMS 8.6. TREMCO MANUFACTURING 9. OTHER EQUAL PRODUCTS MAY BE SUBMITTED TO THE ENGINEER PRIOR TO BIDDING FOR APPROVAL BY CRAWFORDWILLIAMS ENGINEERING. ALL APPROVALS ARE AT THE DISCRETION OF THE ENGINEER OF RECORD. 10. PENETRATIONS SHALL BE PROTECTED AS FOLLOWS: 10.1 FLOORS – PIPING PENETRATIONS THROUGH THE FLOOR SHALL BE PROTECTED WITH A "CAN TYPE" OR "SLEEVE TYPE" DEVICE. 10.2 WALLS – BARE METAL PIPING THROUGH ALL WALLS SHALL BE ALLOWED TO BE PROTECTED WITH FIRE PROTECTING SEALANT (CAULKING TYPE). INSULATED METAL PIPING SHALL BE PROTECTED WITH A "WRAP STRIP" OR SIMILAR ASSEMBLY. 11. CPVC OR PVC PIPING PASSING THROUGH A RATED WALL SHALL BE PROTECTED WITH A COLLAR TYPE DEVICE. "SEALANT ONLY" ASSEMBLIES ARE PERMITTED FOR 1 HOUR GYPSUM BOARD PENETRATIONS ONLY.	



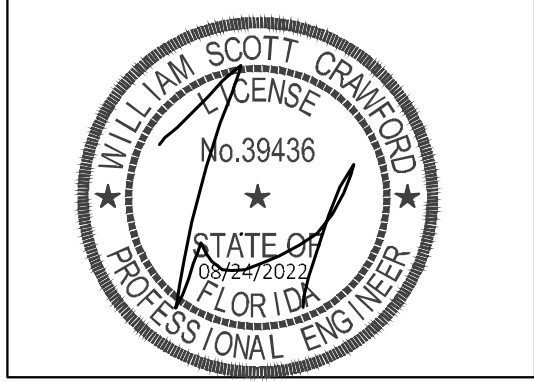


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MECHANICAL
ELECTRICAL
PLUMBING
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REVISIONS		
No.	Description	Date

OWNER APPROVALS		
No.	Description	Date

PROPOSED NEW HOME FOR:

NOKOMIS MEDICAL CENTER

498 S. TAMAMI TRL.
NOKOMIS, FL.

PERMIT #	
ELECTRICAL NOTES AND DETAILS	
Sheet Title	
Drawing Name:	NOKOMIS OFFICE
Design:	CWE
Issues:	08/24/2022
Job No.:	2203
Sheet Number:	

ELECTRICAL FEEDER/WIRE SCHEDULE				
O.C.P.D.** AMPERE RATING	2 WIRE WITH GROUND	SYMBOL	3 WIRE WITH GROUND	SYMBOL
20A	2-#12, #12G. IN 3/4"C.	(A20)	3-#12, #12G. IN 3/4"C.	(B20)
25A	2-#10, #10G. IN 3/4"C.	(A25)	3-#10, #10G. IN 3/4"C.	(B25)
30A	2-#10, #10G. IN 3/4"C.	(A30)	3-#10, #10G. IN 3/4"C.	(B30)
35A	2-#8, #10G. IN 3/4"C.	(A35)	3-#8, #10G. IN 3/4"C.	(B35)
40A	2-#8, #10G. IN 3/4"C.	(A40)	3-#8, #10G. IN 3/4"C.	(B40)
45A	2-#6, #10G. IN 3/4"C.	(A45)	3-#6, #10G. IN 3/4"C.	(B45)
50A	2-#6, #10G. IN 3/4"C.	(A50)	3-#6, #10G. IN 3/4"C.	(B50)
60A	2-#6, #10G. IN 3/4"C.	(A60)	3-#6, #10G. IN 3/4"C.	(B60)
70A	2-#4, #8G. IN 1"C.	(A70)	3-#4, #8G. IN 1"C.	(B70)
80A	2-#3, #8G. IN 1 1/4"C.	(A80)	3-#3, #8G. IN 1 1/4"C.	(B80)
90A	2-#2, #8G. IN 1 1/4"C.	(A90)	3-#2, #8G. IN 1 1/2"C.	(B90)
100A	2-#2, #8G. IN 1 1/4"C.	(A100)	3-#2, #8G. IN 1 1/4"C.	(B100)
125A	2-#1, #6G. IN 1 1/2"C.	(A125)	3-#1, #6G. IN 1 1/2"C.	(B125)
150A		(A150)	3-#1/0, #6G. IN 1 1/2"C.	(B150)
175A		(A175)	3-#2/0, #6G. IN 2"C.	(B175)
200A		(A200)	3-#3/0, #6G. IN 2"C.	(B200)
225A		(A225)	3-#4/0, #4G. IN 2 1/2"C.	(B225)
250A		(A250)	3-250MCM, #4G. IN 2 1/2"C.	(B250)
300A		(A300)	3-#350 MCM, 1-#4 Cu G. IN 3" C.	(B300)
350A		(A350)	3-#500 MCM, 1-#3 Cu G. IN 3 1/2" C.	(B350)
400A		(A400)	3-#500 MCM, 1-#3 Cu G. IN 3 1/2" C.	(B400)
450A		(A450)	2 SETS: 3-#4/0, 1-#2 Cu G. EACH IN 2 1/2" C.	(B450)
500A		(A500)	2 SETS: 3-#250MCM, 1-#2 Cu G. EACH IN 3"C.	(B500)
600A		(A600)	2 SETS: 3-#350MCM, 1-#1 Cu G. EACH IN 3"C.	(B600)
700A		(A700)	2 SETS: 3-#500 MCM, 1-#1/0 Cu G. EACH IN 3 1/2" C.	(B700)
800A		(A800)	2 SETS: 3-#500 MCM, 1-#1/0 Cu G. EACH IN 3 1/2" C.	(B800)
1000A		(A1000)	3 SETS: 3-#400 MCM, 1-#2/0 Cu G. EACH IN 3"C.	(B1000)
1200A		(A1200)	4 SETS: 3-#350MCM, 1-#3/0 Cu G. EACH IN 3"C.	(B1200)
1600A		(A1600)	5 SETS: 3-#400 MCM, 1-#4/0 Cu G. EACH IN 3 1/2" C.	(B1600)
G1	1-#1/0 G IN 1"C.	(G2)	1-#2/0 G IN 1"C.	(G3)
X INDICATES NO GROUND WIRE. X INDICATES NO CONDUIT				
** OVERCURRENT PROTECTION DEVICE 1. ON ALL SINGLE PHASE CIRCUITS, INCREASE ONE WIRE SIZE FOR EACH 100 FEET OF CIRCUIT LENGTH. MAKE THE NECESSARY CONDUIT CHANGES TO REMAIN WITHIN THE RACEWAY FILL REQUIREMENTS. 2. CONDUIT SIZES SHOWN IN THIS SCHEDULE ARE BASED ON THIN COPPER CONDUCTORS. 3. FOR UNDERGROUND FEEDERS, USE XHHW-2 90°C CONDUCTORS. ADJUST CONDUIT SIZE AS NECESSARY TO REMAIN WITHIN THE RACEWAY FILL REQUIREMENTS.				

LIGHTING CONTROL PANEL LCP							
MODEL: HUBBELL #SIM-LX-EN-16-S/SIM-LX-IN-16-14-1							
RELAY #	MODEL	SPACES REQ.	GROUP	CKT #	VA	RM. #	CONTROL STRATEGY
R1	1P/20A	1	ZONE 1	—	1,000	—	SPARE (1ST FLR)
R2	1P/20A	1	ZONE 2	—	1,000	—	SPARE (2ND FLR)
R3	1P/20A	1	ZONE 3	—	1,000	—	SPARE (3RD FLR)
R4	1P/20A	1	—	—	1,000	—	SPARE
R5	1P/20A	1	ZONE 5	H-32	1,500	EXTERIOR	LANDSCAPE LTG. PHOTOCELL ON/TIMECLOCK OFF
R6	1P/20A	1	ZONE 4	H-30	540	GARAGE	FLUOR. DOWNLIGHTS PHOTOCELL ON/TIMECLOCK OFF
R7	2P/20A	2	ZONE 4	H-24,26	700	EXTERIOR	SITE LTG. PHOTOCELL ON/TIMECLOCK OFF
R8	1P/20A	1	ZONE 6	H-28	1,000	EXTERIOR	SIGN LTG. PHOTOCELL ON/TIMECLOCK OFF
R9	1P/20A	1	ZONE 7	—	1,000	—	SPARE (IRRIGATION) COORDINATE WITH LANDSCAPE ARCHITECT
R10	1P/20A	1	ZONE 7	—	1,000	—	SPARE (IRRIGATION) COORDINATE WITH LANDSCAPE ARCHITECT
R11	1P/20A	1	ZONE 7	—	1,000	—	SPARE (IRRIGATION) COORDINATE WITH LANDSCAPE ARCHITECT
R12	1P/20A	1	ZONE 5	—	700	EXTERIOR	IN-GRADE UPLIGHTS PHOTOCELL ON/TIMECLOCK OFF
R13	1P/20A	1	ZONE 5	—	1,000	EXTERIOR	SPARE (FAÇADE LTG) PHOTOCELL ON/TIMECLOCK OFF
R14	1P/20A	1	ZONE 5	—	1,000	EXTERIOR	SPARE (FAÇADE LTG) PHOTOCELL ON/TIMECLOCK OFF
R15	1P/20A	1	—	—	1,000	—	SPARE
MIN. SPACES REQ. =		16			14,440	= TOTAL VA CONNECTED	

BUS SIZE: 225A CU TYPE: MLO		PANEL BOARD SCHEDULE		LOCATION: REFER TO PLANS	
MAIN BREAKER: 208/120V, 3ø-4W		CONNECTED LOAD: 27,040 VA		DEMAND LOAD: 27,040 VA	
A.I.C. RATING: 22 KAIC		MOUNTING: SURFACE NEMA 1		NOTES: SQ D N00D 42 CKT	
EQUIPMENT SERVED		LOAD	BKR CKT	LOAD	EQUIPMENT SERVED
SPACE		---	---	---	SPACE
SPARE (FAÇADE LTG)		1500	1P-20 7	8	1P-20 800
SPARE		1500	1P-20 9	10	1P-20 800
BUILDING UPLTS.		1500	1P-20 11	12	1P-20 800
SPARE		1000	1P-20 13	14	1P-20 1260
SPARE		1000	1P-20 15	16	1P-20 1260
SPARE		1000	1P-20 17	18	1P-20 1260
SPARE		1000	1P-20 19	20	1P-20 360
LIGHTING (STAIRS)		1330	1P-20 21	22	1P-20 1000
(LOBBIES/HOUSE)		330	1P-20 23	24	2P-20 350
LIGHTING (1ST FLR.)		1500	1P-20 25	26	---
(2ND FLR.)		1500	1P-20 27	28	1P-20 1000
(3RD FLR.)		1500	1P-20 29	30	1P-20 540
SPACE		---	---	32	1P-20 1500
		---	---	34	1P-20 100
		---	---	36	1P-20 1000
		---	---	38	3P-30 ---
		---	---	40	---
		---	---	42	---
		14,660 VA	41	---	12,360 VA

* PROVIDE BREAKER LOCK

BUS SIZE: 400A CU TYPE: MCB		PANEL BOARD SCHEDULE		LOCATION: REFER TO PLANS	
MAIN BREAKER: 300A		CONNECTED LOAD: 87,765 VA		DEMAND LOAD: 87,505 VA	
VOLTS/PHASE: 208/120V, 3ø-4W		A.I.C. RATING: 22 K		DEMAND AMPS: 243	
MOUNTING: SURFACE NEMA 1		NOTES: SQ D N00D 42 CKT.			
EQUIPMENT SERVED		LOAD	BKR CKT	LOAD	EQUIPMENT SERVED
ERV-1		990	3P-20 1	2	1P-20 300
---		990	---	3	1P-20 300
---		990	---	5	1P-20 300
CU-FCU-1		1330	2P-20 7	8	1P-20 180
---		1330	---	9	1P-20 360
FCU-1		520	2P-15 11	12	1P-20 1500
---		520	---	13	1P-20 1000
EXIT SIGNS		100	1P-20 15	16	2P-20 1340
LTG. CONTROL PANEL ("LCP")		500	1P-20 17	18	---
FACP		500	1P-20 19	20	2P-20 1415
T.T.B.		1500	1P-20 21	22	---
SPARE		1000	1P-20 23	24	2P-20 1500
IRRIGATION PUMP		1770	2P-30 25	26	---
(3HP)		1770	---	27	1P-20 1000
IRRIGATION SYSTEM CONTROLS		1500	1P-20 29	30	1P-20 1000
SPACE		---	---	32	---
		---	---	34	---
		---	---	36	---
PANEL "H"		9015	3P-125 37	38	3P-30 ---
		9015	---	40	---
		9015	---	42	---
ELEVATOR MOTOR		10320	3P-175 39	---	---
(25HP)		10320	---	---	---
(SOLID STATE START)		10320	---	---	---
		73,315 VA	---	---	14,450 VA

* PROVIDE BREAKER LOCK

** PROVIDE SHUNT-TRIP BREAKER

NOKOMIS LIGHTING FIXTURE SCHEDULE

LTR	MANUFACTURER	CATALOG NUMBER	LAMPS	MOUNTING	REMARKS
A	METALUX	SN-232-120V-EB8	2-32W TB	SURFACE	2-LAMP STRIP FLUORESCENT
B	VOLUME LTG.	V6117-6	2-17W TB	WALL	BATHROOM LIGHT
C	LUMARK	IC-YW-1-G	1-200W A21	WALL	ELEVATOR PIT LIGHT
D	PORTFOLIO	C6042-EDR32/6001-LI	1-32W TRT	RECESSED	6" FLUOR. DOWNLIGHT (LOBBY)
EM	SURE-LITES	CC2MRT	INCLUDED	UNIVERSAL	EMERGENCY LIGHT
EM1	SURE-LITES	CU2	INCLUDED	UNIVERSAL	BATHROOM EM FIXTURE
F	PORTFOLIO	C6042-EDR26/6001-LI	1-26W TRT	RECESSED	6" FLUOR. DOWNLIGHT (CARPORT)
G	INVALE	AES-100-MH	1-100W MH	POLE	SITE LTG. FIXTURE
H	WHATLEY	RT34-20-DE-XX-SMS	---	DIRECT BURIAL	FIBERGLASS POLE
J	LUMARK	PL-IP-T-32-120V-CF/EM-120	1-32W CFL	WALL	EXTERIOR WALL PACK
K	FOCAL POINT	FY8S-1-2TR-1C-120-E-SM-EM-WH-4	2-32W TB	SURFACE	FLUORESCENT WRAP (STARWAY)
L	LSI	RDB-150MH-120-PAR38	1-150W MH PAR38	IN GRADE	UPLIGHT
M	LSI	RDB-150MH-120-PAR38-SRL	1-150W MH PAR38	IN CONCRETE	UPLIGHT
N	IO LIGHTING	---	INCLUDED	WALL	8" LED WALL GRATING FIXTURE
X	SURE-LITES	LPX-7-0-R-WH	INCLUDED	UNIVERSAL	LED THERMOPLASTIC EXIT SIGN
X2	SURE-LITES	UX-7-1-R-XX-SD	INCLUDED	WALL	EXIT SIGN (WET LOCATION)

LOAD SUMMARY

SPACE	AREA	EST LOAD	TOTAL LOAD
1ST FLR	1,730 SF	25 VA/SF	43,250 VA
2ND FLR	6,050 SF	25 VA/SF	151,250 VA
3RD FLR	6,050 SF	25 VA/SF	151,250 VA
			345,750 VA

@208Y/120V, 3PH

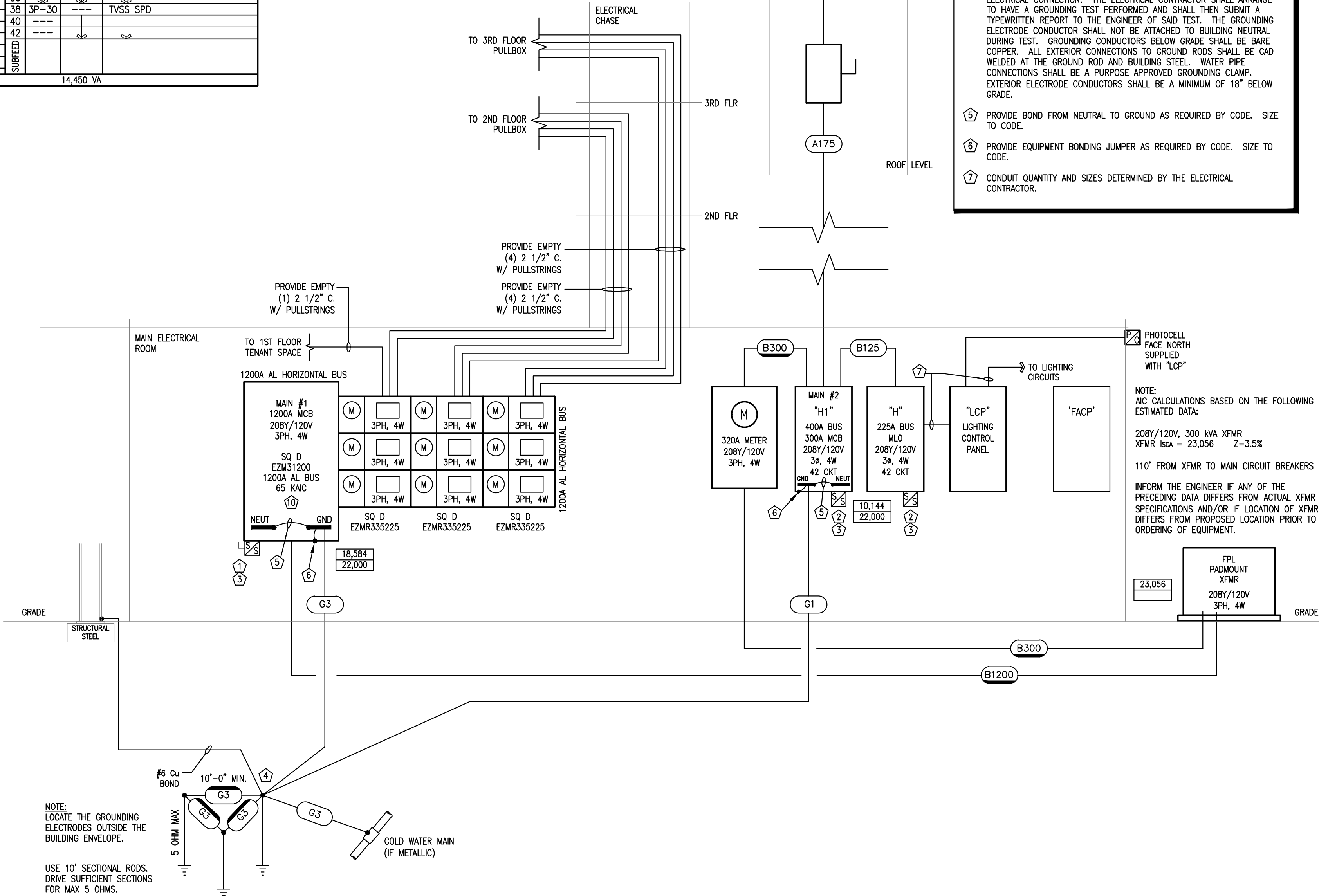
FEEDERS

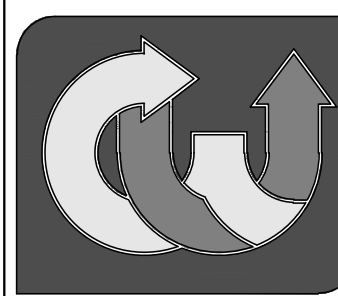
CONNECTED DEMAND

HOUSE 87,765 VA 87,505 VA

@208Y/120V, 3PH

FEEDERS





CRAWFORD, WILLIAMS ENGINEERING, Inc.
CA 7029
6989 PROFESSIONAL PKWY. E.
SARASOTA, FLORIDA 34240
tel [941] 907-0103 fax [941] 907-0152

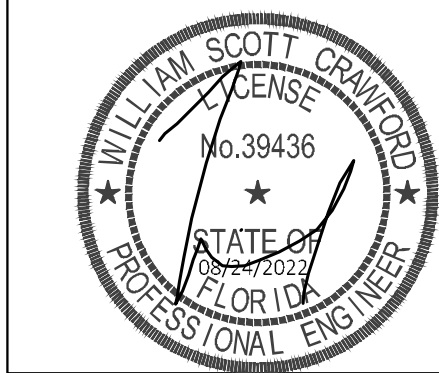
MECHANICAL
ELECTRICAL
PLUMBING
& FIRE

ELECTRICAL RISER KEY NOTES

- 1 SURGE SUPPRESSOR BY POWER LOGICS, INC., 813-645-2971. LEA MODEL #LS150-120/208-3Y-D. PROVIDE ALL NECESSARY CONNECTIONS AND PROVIDE ALL NECESSARY ACCESSORIES. MINIMIZE CONNECTION CONDUCTOR LENGTHS.
- 2 SURGE SUPPRESSOR BY POWER LOGICS, INC., 813-645-2971. LEA MODEL #SP-120/208-3Y. PROVIDE ALL NECESSARY CONNECTIONS AND PROVIDE ALL NECESSARY ACCESSORIES. MINIMIZE CONNECTION CONDUCTOR LENGTHS.
- 3 SUBMITTALS:

 - PRODUCT DATA: SUBMIT MANUF. PRODUCT DATA ON TRANSIENT VOLTAGE SURGE SUPPRESSORS AND ASSOCIATED COMPONENTS.
 - SURGE SUPPRESSOR SUBMITTALS SHALL ALSO INCLUDE:
 - DIMENSIONAL DWG OF EACH SUPPRESSOR TYPE INDICATING MOUNTING ARRANGEMENTS.
 - CAT. C3 (20KV, 10KA, 8/20 SEC. WAVE FORM RESULTS.
 - UL 1449 CLAMP VOLTAGE DOCUMENTATION.
 - INTERNAL WIRING DIAGRAMS AND RECOMMEND INSTALLATION CONNECTIONS.
 - PROOF OF NEMA LS-1 COMPLIANCE.
 - ACCEPTABLE SUBSTITUTES
 - FOR LSS150: CURRENT TECHNOLOGY MODEL #TG100.
 - FOR SP: JOSLYN MODEL #XN50.
- 4 No. 3/0 CONTINUOUS COPPER GROUNDING ELECTRODE CONDUCTOR, CONNECT TO (2) S.S. 5/8" MIN. 10' SECTIONAL GROUND RODS DRIVEN WITH BENTONITE #1937-R GRADE (NO SUBSTITUTIONS). SPACE GROUND RODS A MINIMUM OF 10' OR TOTAL GROUNDROD LENGTH APART, WHICHEVER IS GREATER. GROUNDING SYSTEM RESISTANCE SHALL HAVE MAXIMUM READING OF 5 OHMS. PROVIDE ADDITIONAL SECTIONS/LOCATIONS TO ACHIEVE 5 OHMS OR LESS FOR EACH GROUND ROD. PROVIDE CONCRETE FLUSH-IN-GRADE INSPECTION ENCLOSURES (BROOKS PRODUCTS #36) AND COVER PLATE WITH THE WORDS "GROUND ROD" ON TOP. THE GROUNDING ELECTRODES (GROUNDRODS) ARE THE PRIMARY SERVICE GROUNDING ELECTRODES. IF THE INCOMING COLD WATER PIPE IS METAL AND ELECTRICALLY CONTINUOUS FOR A MINIMUM OF 10 FEET, THEN THE CONTRACTOR SHALL PROVIDE A GROUNDING ELECTRODE CONDUCTOR FROM THE GROUND ROD TO THE PIPE FULL SIZED. PROVIDE A GROUND BONDING CONDUCTOR FROM THE GROUND REFERENCE POINT TO THE BUILDING STRUCTURAL STEEL. DO NOT CONNECT TO THE FOUNDATION RE-BAR UNLESS THE ELECTRICAL CONTRACTOR HAS VERIFIED THE CONTINUITY OF SAID FOUNDATION REBAR IN TOTAL, AND VERIFIED WITH THE STRUCTURAL ENGINEER THAT THE FOUNDATION IS RATED FOR ELECTRICAL CONNECTION. THE ELECTRICAL CONTRACTOR SHALL ARRANGE TO HAVE A GROUNDING TEST PERFORMED AND SHALL THEN SUBMIT A TYPEWRITTEN REPORT TO THE ENGINEER OF SAID TEST. THE GROUNDING ELECTRODE CONDUCTOR SHALL NOT BE ATTACHED TO BUILDING NEUTRAL DURING TEST. GROUNDING CONDUCTORS BELOW GRADE SHALL BE BARE COPPER. ALL EXTERIOR CONNECTIONS TO GROUND RODS SHALL BE CAD WELDED AT THE GROUND ROD AND BUILDING STEEL. WATER PIPE CONNECTIONS SHALL BE A PURPOSE APPROVED GROUNDING CLAMP. EXTERIOR ELECTRODE CONDUCTORS SHALL BE A MINIMUM OF 18" BELOW GRADE.
- 5 PROVIDE BOND FROM NEUTRAL TO GROUND AS REQUIRED BY CODE. SIZE TO CODE.
- 6 PROVIDE EQUIPMENT BONDING JUMPER AS REQUIRED BY CODE. SIZE TO CODE.
- 7 CONDUIT QUANTITY AND SIZES DETERMINED BY THE ELECTRICAL CONTRACTOR.

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REVISIONS

No.	Description	Date

OWNER APPROVALS

No.	Description	Date
	D	

PROPOSED NEW HOME FOR:
NOKOMIS MEDICAL CENTER
498 S. TAMiami TRl.
NOKOMIS, FL.

PERMIT #

ELECTRICAL
RISER DIAGRAM

Sheet Title

Drawing Name:	NOKOMIS OFFICE
Design:	CWE
Issues:	08/24/2022
Job No.:	2203
Sheet Number:	

E-6