

LIGHTING FIXTURE SCHEDULE						
TYPE	DESCRIPTION	TOTAL WATTS	LAMPS		MOUNTING	
			NO.	WATTS	TYPE	
D1 D1/EM	RECESSED LED DOWNLIGHT. 4" APERTURE. 1,341 LUMENS. 4000K COLOR TEMP. 120-277V. 0-10V DIMMING (1% TO 100%). DIMMING, SELF FLANGED WITH CHROME TRIM RING. METALLIC SILVER REFLECTOR. ELITE H14-1200L-DIM10-MVOLT-MD-40K-85-HH44501-CL-SCH ADD "EMG-LED10W" FOR 10W EMERGENCY BATTERY PACK OWNER/ ENGINEER APPROVED EQUAL	14	-	-	LED	RECESSED
T2 T2/EM	2'x2' ARCHITECTURAL LED TROFFER. 120-277V, SELECTABLE LUMENS & CCT. SET TO 4000L AND 4000K CCT. POLYCARBONATE LENS W/ CENTER DIFFUSER. 0-10V DIMMING. ELITE 24-EDGE-LED-2000L/4000L/DIM10-MVOLT-30K/35K/40K-85 ADD "EMG-LED10W" TO MODEL NO. FOR 10W EMERGENCY BATTERY PACK OPTION OWNER/ ENGINEER APPROVED EQUAL	29	-	29	LED	RECESSED
T4 T4/EM	2'x4' ARCHITECTURAL LED TROFFER. 120-277V, SELECTABLE LUMENS & CCT. SET TO 4000L AND 4000K CCT. POLYCARBONATE LENS W/ CENTER DIFFUSER. 0-10V DIMMING. ELITE 24-EDGE-LED-3000L/5000L/DIM10-MVOLT-30K/35K/40K-85 ADD "EMG-LED10W" TO MODEL NO. FOR 10W EMERGENCY BATTERY PACK OPTION OWNER/ ENGINEER APPROVED EQUAL	52	-	-	LED	RECESSED
PA	LED BLUE GLASS PENDANT LIGHT. 5" DIAMETER X 10" TALL. 120 VOLT. PROVIDE WITH 4W LED BULB (B1-T14-4W). BICYCLE GLASS CO. 147 LUNAR SINGLE PENDANT H1-PEN01-BN1-04-SL OWNER/ARCHITECT SELECTED - CONTRACTOR INSTALLED.	4			LED	PENDANT
UC	LED UNDER CABINET FIXTURE. INTEGRAL DRIVER. ALUMINUM HOUSING. POLYCARBONATE LENS. ELECTRONIC LOW VOLTAGE DIMMING. FIELD SELECTABLE CCT. LITHONIA RAZ-24N-30K-90CR OWNER SELECTED / CONTRACTOR INSTALLED	18	-	-	LED	SURFACE
VL	LED VANITY LIGHT. 25" LENGTH. ADA COMPLIANT. 1082 LUMENS. 90 CRI. 3000K COLOR TEMP. 120-277V. WHITE ACRYLIC DIFFUSER. SATIN NICKEL FINISH. TECH LIGHTING 700BCLYNN-25-WS-LED930	25	-	-	LED	SURFACE
X1	EXIT SIGN. WHITE, THERMOPLASTIC HOUSING. BATTERY BACKUP, PUSH TO TEST BUTTON. RED LETTERS, ARROWS AS INDICATED ON DRAWINGS. ELITE ELX-503	1.5	-	-	LED	UNIVERSAL
XR	X-RAY IN USE WARNING SIGN SENTRY AC-A-WW-CN-01-RD-WH	5			LED	

## NOTES:

1. ALL FIXTURE 120 VOLT UNLESS OTHERWISE NOTED.
2. ALL FIXTURES SHALL HAVE MINIMUM 80 CRI.
3. ALL FIXTURES SHALL HAVE CORRELATED COLOR TEMPERATURE OF 3500.
4. FINAL FIXTURE FINISHES SHALL BE SELECTED DURING SUBMITTAL PROCESS BY ARCHITECT/ENGINEER FROM EXTENDED STANDARD COLOR CHART FOR EACH FIXTURE.

## ELECTRICAL NOTES

- A. GENERAL PROVISIONS:
1. GENERAL: PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT FOR A COMPLETE AND PROPERLY OPERATING ELECTRICAL SYSTEM.
  2. CODES AND STANDARDS: CONFORM TO THE REQUIREMENT OF ALL GOVERNING CODES AND STANDARDS, INCLUDING:
    - 2.1. FLORIDA FIRE PREVENTION CODE, 8TH EDITION 2023
    - 2.2. FLORIDA BUILDING CODE 2023, 8TH EDITION
    - 2.3. FBC ENERGY CONSERVATION 2023, 8TH EDITION
    - 2.4. NFPA 70-2020 EDITION, NATIONAL ELECTRIC CODE
    - 2.5. NFPA 72-2019 EDITION, NATIONAL FIRE ALARM CODE.
  3. VISIT THE SITE OF PROPOSED PROJECT TO BECOME FAMILIAR WITH THE WORK CONDITIONS AND NATURE OF WORK, PRIOR TO SUBMITTING BIDS. NOTIFY ENGINEER OF DISCREPANCIES OR OMISSIONS FOR INTERPRETATION OR DECISION AND SUCH DECISION SHALL BE FINAL.
- B. BASIC MATERIALS AND METHODS:
1. CONDUIT - INTERIOR WORK: CONCEALED ELECTRICAL METAL TUBING. IT IS ACCEPTABLE TO USE METAL CLAD CABLE (MC CABLE) IN LIEU OF RIGID METAL CONDUIT AS LONG AS THE INSTALLATION COMPLIES WITH ARTICLE 330 OF THE NATIONAL ELECTRIC CODE. MC CABLE SHALL NOT BE USED WHERE SUBJECT TO PHYSICAL DAMAGE.
  2. EXTERIOR BELOW GRADE - SCHEDULE 40 PVC. EXTERIOR EXPOSED - SCHEDULE 80 PVC. DO NOT INSTALL PVC CONDUIT IN PATIENT CARE AREAS.
  3. OUTLET BOXES: 4" X 4". STEEL W/PLASTER RINGS SIZED IN ACCORDANCE WITH N.E.C. FOR CONCEALED INTERIOR WIRING. CAST FERROUS OUTLET BOXES WITH INTEGRAL HUBS FOR EXPOSED AND EXTERIOR DEVICES
  4. WIRING DEVICES - SPECIFICATION GRADE DEVICES AND PLATES WITH WHITE FINISH, EXCEPT MATCH PANELED WALL DEVICES AND PLATES OF SIMILAR COLOR.
    - a. RECEPTACLES: 20 AMPS, 120V, 2 POLE, 3 WIRE, GROUNDING TYPE OR ISOLATED GROUND TYPE AS SHOWN ON DRAWINGS.
    - b. SWITCHES: 20 AMPS, 120/277V.
  5. EACH MULTIWIRE BRANCH CIRCUIT MUST HAVE A MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES. THIS IS TO BE ACCOMPLISHED WITH INDIVIDUAL SINGLE-POLE CIRCUIT BREAKERS WITH HANDLE TIES IDENTIFIED FOR THE PURPOSE, OR A BREAKER WITH A COMMON INTERVAL TRIP.
- C. LIGHTING FIXTURES:
1. FURNISH LIGHTING FIXTURES AS REQUIRED BY OWNER AND AS INDICATED ON DRAWINGS. FURNISH ALL NECESSARY MOUNTING HARDWARE AND LAMPS.
  2. ALL RECESSED LIGHT FIXTURES SHALL SATISFY THE REQUIREMENTS OF N.E.C. 410-110 THROUGH 410.122
- D. PANELS:
1. ALL PANELS SHALL BE U.L. RATED AND OF THE SAME MANUFACTURER. PROVIDE SIZE AND TYPE AS INDICATED ON DRAWINGS. PANELS SHALL HAVE FULL SIZE NEUTRAL BUS AND 1/2 SIZE GROUND BUS.
- E. GROUNDS:
1. PROVIDE CONTINUOUS GROUNDING SYSTEM IN ACCORDANCE WITH N.E.C. SECTION 250, AND AS INDICATED. PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS.
  2. PROVIDE AN EXTERNAL ACCESSIBLE INTERSYSTEM BONDING TERMINAL FOR THE GROUNDING AND BONDING OF COMMUNICATIONS SYSTEMS (TELCO, CATV, SAT, ETC) AT THE SERVICE EQUIPMENT AND DISCONNECTING MEANS.
- F. IF, THROUGH ERRORS OR OMISSIONS, THE INTENT OF ARCHITECT/ ENGINEER REGARD TO ANY DETAIL IS NOT CLEAR, OR IS CAPABLE OF MORE THAN ONE INTERPRETATION, SUCH MATTERS WILL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER IN WRITING BEFORE THE SUBMISSION OF BIDS, AND THE ARCHITECT/ ENGINEER SHALL MAKE CORRECTION OR EXPLANATION IN WRITING, OTHERWISE, NO EXTRA CHARGE WILL BE ALLOWED FOR THE WORK OR MATERIAL WHICH THE ARCHITECT/ENGINEER WILL REQUIRE, PROVIDED THAT IT COMES WITHIN A REASONABLE INTERPRETATION OF THE DRAWINGS AND SPECIFICATIONS.
- G. THE PLANS AND SPECIFICATIONS ARE INTENDED AS A GENERAL DESCRIPTION OF THE WORK TO BE PERFORMED. ALL ITEMS NOT SPECIFICALLY MENTIONED OR SHOWN, BUT NECESSARY FOR THE COMPLETION OF THE INSTALLATION, SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. THIS CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE MECHANICAL, ARCHITECTURAL, STRUCTURAL AND ELECTRICAL PLANS BEFORE SUBMITTING HIS FINAL BID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO THE CONTRACTOR'S FAILURE TO FAMILIARIZE HIMSELF WITH THE PLANS.
- H. INFORMATION SHOWN ON THE DRAWINGS AS TO THE LOCATION OF EXISTING UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE DATA AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT GUARANTEED, HOWEVER, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION, CHARACTER AND DEPTH OF EXISTING UTILITIES.
- I. COMPLETION REQUIREMENTS: RECORD DRAWINGS  
WITHIN 30 DAYS OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING:  
1. A SINGLE LINE DIAGRAM OF THE ELECTRICAL DISTRIBUTION SYSTEM  
2. FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.
- J. COMPLETION REQUIREMENTS: MANUALS  
1. WITHIN 30 DAYS OF SYSTEM ACCEPTANCE, AN OPERATING MANUAL AND MAINTENANCE MANUAL SHALL BE PROVIDED TO THE BUILDING OWNER TO INCLUDE, AT A MINIMUM, THE FOLLOWING IN ACCORDANCE WITH FBC EC 405.6.4.2.  
a. SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.  
b. OPERATIONS MANUAL AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.  
c. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
- K. FUNCTIONAL TESTING  
1. PRIOR TO PASSING FINAL INSPECTION, THE REGISTERED DESIGN PROFESSIONAL SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED, AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. FUNCTIONAL TESTS SHALL BE IN ACCORDANCE WITH SECTION 408.3.1 AND 408.3.1.2 FOR THE APPLICABLE CONTROL TYPE. THE CONTRACTOR SHALL HIRE THE COMMISSIONING AGENT AND PROVIDE DOCUMENTATION TO THE ENGINEER FOR REVIEW AND CERTIFICATION.
2. DOCUMENTS CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET DOCUMENTED PERFORMANCE CRITERIA OF SECTION C405 ARE TO BE PROVIDED TO THE BUILDING OWNER WITHIN 90 DAYS FROM THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY IN ACCORDANCE WITH FBC EC 408.3.2

## ELECTRICAL SYMBOL LEGEND

NOT ALL SYMBOLS SHOWN ON LEGEND ARE NECESSARILY USED ON FLOOR PLANS	
SYMBOL	DESCRIPTION
—	STRIP TYPE FIXTURE
■	1'x4' FLUORESCENT/LED FIXTURE
□	2'x2' LED TROFFER
■	2'x2' LED TROFFER WITH EMERGENCY BATTERY
•	2'x4' LED TROFFER
○	CEILING FIXTURE
●	CEILING FIXTURE, WALL WASHER
▲	EMERGENCY LIGHT FIXTURE
⊗	CEILING LOCATED EXIT LIGHT
●	CEILING LOCATED EXIT LIGHT
→	EXIT SIGN ARROW (SINGLE)
→→	EXIT SIGN ARROW (DOUBLE)
□	WALL MOUNTED FIXTURE
△	FLOOD LIGHT FIXTURE
□□	SITE LIGHT FIXTURE
□□□	SITE LIGHT FIXTURE
◆	BOLLARD OR PENDANT LIGHT FIXTURE
▽▽▽	TRACK LIGHTING
S	SWITCH, MOUNTING HT. +48" TO BOTTOM
S <sub>1</sub>	SWITCH, SUBSCRIPT LETTER INDICATES CONTROLLED FIXTURE
S <sub>2</sub>	SWITCH, 2 POLE
S <sub>3</sub>	SWITCH, 3-WAY
S <sub>4</sub>	SWITCH, 4-WAY
S <sub>t</sub>	SWITCH - TIMER
S <sub>d</sub>	SWITCH - FAN/LIGHT
S <sub>m</sub>	SWITCH - DIMMER
S <sub>os</sub>	SWITCH - OCCUPANCY SENSOR
S <sub>p</sub>	SWITCH - PILOT LIGHT
FACP	FIRE ALARM CONTROL PANEL
H	135° HEAT DETECTOR
M	FIREMAN'S VOICE EVACUATION MICROPHONE
SD	SMOKE DETECTOR TO FACP
SD-	SMOKE DETECTOR IN DUCT - 'R' INDICATES RETURN; 'S' INDICATES SUPPLY
R	REMOTE INDICATOR
F	FIRE ALARM VISUAL DEVICE, WALL MOUNTED @ 80'A.F.T. TO BOTTOM
F	MANUAL FIRE ALARM PULL STATION
FE	FIRE ALARM COMBINATION AUDIBLE/VISUAL DEVICE (75 CANDLA, MIN.), WALL MOUNTED @ 80'A.F.T. TO BOTTOM
FE	FIRE ALARM COMBINATION AUDIBLE/VISUAL DEVICE (75 CANDLA, MIN.), CEILING MOUNTED
▷	TELEPHONE/DATA. INSTALL L/V BACKBOX WITH 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE. FACEPLATE TO ACCOMMODATE UP TO (6) PORTS.
T	POINT OF SALE TERMINAL. PROVIDE OUTLET BOX WITH 3/4" CONDUIT.
TV	TELEVISION. INSTALL A RECESSED TV BOX MOUNTED AT HEIGHT INDICATED.
S	SPEAKER (BY OTHERS)
VC	VIDEO CAMERA - SEE ELEC. COMMUNICATION PLAN DWGS.
PU	PUSHBUTTON, MOUNT 48" A.F.T. U.O.N.
TS	FIRE SPRINKLER TAMPER SWITCH
FS	WATER FLOW SWITCH
I	ACCESS CONTROL CARD READER. INSTALL LOW VOLTAGE BACKBOX WITH 1" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE
ABBREVIATIONS	
A, AMP	AMPERE
AF	AMP FRAME
AT	AMP TRIP
AFF	HEIGHT ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
EF	EXHAUST FAN
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
G, GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GCO	GENERAL CONVENIENCE OUTLET
IG	ISOLATED GROUND
NF	NON-FUSED
NL	NITE-LIGHT, NON-SWITCHED FIXTURE
P	POLE
PH	PHASE
SP	SURGE PROTECTION
VA	VOLT AMPERE (WATTAGE)
W	WALL MOUNTED
WP	WEATHERPROOF ENCLOSURE
TR	TAMPER RESISTANT RECEPTACLE
PROJECT INFORMATION	
PROJECT:	
VIERA CENTRA CARE	
PROJECT ADDRESS:	
MURRELL ROAD, ROCKLEDGE, FL 32955	
PROJECT NO.:	250028
ACTIVE DESIGN PHASE	
FOR REVIEW ONLY	
FOR PERMITTING	
SCHEMATIC DESIGN	
DESIGN DEVELOPMENT	
CONSTRUCTION BIDDING	
CONSTRUCTION DOCUMENTS	
AS-BUILT RECORD SET	
REVISION INFORMATION	
NO. DATE DESCRIPTION	
KEY PLAN	
SHEET INFORMATION	
SHEET ISSUED:	10/10/2025
DESIGNED BY:	MDF
DRAWN BY:	MDF
REVIEWED BY:	DDA
SHEET TITLE:	
ELECTRICAL NOTES & SYMBOLS	
SHEET NO.:	

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2025  
THE DESIGN PROFESSIONAL DENIES ANY AND ALL  
RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH  
ARE PRINCIPALLY CAUSED BY THE DESIGNER'S OWN  
SPECIFICATIONS AND THE DESIGN INTENT THEY  
CONVEY, OR PROBLEMS WHICH ARISE FROM OTHERS  
FOR WHICH THE DESIGNER IS NOT RESPONSIBLE.  
THE DESIGN PROFESSIONAL GIVES NO ADVICE  
OR COMMENTS CONCERNING THE SELECTION OF  
MATERIALS, MANUFACTURERS, OR TRADES  
OR CONFLICTS WHICH ARE ALLEGED.

PROJECT INFORMATION

PROJECT:  
  
VIERA CENTRA CARE  
PROJECT ADDRESS:  
  
MURRELL ROAD,  
ROCKLEDGE, FL 32955

PROJECT NO.:

250028

ACTIVE DESIGN PHASE

FOR REVIEW ONLY

FOR PERMITTING

SCHEMATIC DESIGN

DESIGN DEVELOPMENT

CONSTRUCTION BIDDING

CONSTRUCTION DOCUMENTS

AS-BUILT RECORD SET

REVISION INFORMATION

NO. DATE DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED:

10/10/2025

DESIGNED BY:

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## EXISTING PANEL MODIFIED LOADS IN BOLD PRINT

PANEL	P1	SERVICE	120/208V-3Ø-4W	MINIMUM BREAKER AIC	30,000
LOCATION	BLDG. INTERIOR	RATING	600A M.C.B.	MOUNTING	FLUSH
<b>SHUNT TRIP UNIT</b>					
LOAD DESCRIPTION	BKR TRIP POLES	KVA #A #B #C	KVA #A #B #C	BKR TRIP POLES	LOAD DESCRIPTION
LIG EXTERIOR SCONCES	20 1	0.3	1 2 0.4	20 1	LIG SITE LIGHTING POLES
O-TIMECLOCK POWER	20 1	0.4	3 4 0.8	20 1	O-MONUMENT SIGN
SPARE	20 1	0.6	5 6 0.4	20 1	REC EXTERIOR GFI
SPARE	20 1	0.6	7 8 0.6	20 1	SPARE
SPACE ONLY	—	1	0.0	9 10 0.6	20 1 SPARE
SPACE ONLY	—	1	0.0	11 12 0.0	— 1 SPACE ONLY
M-RTU -1	60 3	3.7	13 14 3.7	60 3	M-RTU 2
M-	—	3.7	15 16 3.7	—	M-
M-RTU 3	60 3	3.0	17 18 5.0	60 3	M-RTU 4
M-	—	3.0	21 22 5.0	—	M-
M-	—	3.0	23 24 5.0	—	M-
M-DSI/DSO-1	30 2	1.7	25 26 20.6	175 2	O-X-RAY BREAKER
M-	—	1.7	27 28 20.6	—	O-
O-PANEL XR	60 2	2.4	29 30 0.0	—	1 SPACE ONLY
O-	—	2.4	31 32 0.0	—	1 SPACE ONLY
SPACE ONLY	—	1	0.0	33 34 0.0	— 1 SPACE ONLY
SPACE ONLY	—	1	0.0	35 36 0.0	— 1 SPACE ONLY
O-PANEL P2	200 3	16.6	37 38 0.0	30 3	O-SPD
O-	—	16.6	39 40 0.0	—	O-
O-	—	16.6	41 42 0.0	—	O-
TOTALS	26.6	23.7	30.3	30.7	9.1
SERVES	CONN. LOAD - KVA	D.F.	CALC. DEMAND - KVA	NOTES:	
LIGHTING	0.70		1.25	0.88	
RECEPTACLES - 1ST 10 KVA	0.40		1.0	0.40	
RECEPTACLES - ABOVE 10 KVA	0.00		0.50	0.00	
MECHANICAL	46.20		1.00	46.20	
EQUIPMENT	0.00		1.0	0.00	
APPLIANCE	0.00		0.75	0.00	
SPARE/SPACE	2.40		1.0	2.40	
OTHER	97.00		1.0	97.00	
TOTALS	146.70		146.88	CALCULATED AMPS: 408	

PANEL	P2	SERVICE	120/208V-3Ø-4W	MINIMUM BREAKER AIC	22,000
LOCATION	PASSAGE 124	RATING	200A M.L.O.	MOUNTING	FLUSH
<b>SHUNT TRIP UNIT</b>					
LOAD DESCRIPTION	BKR TRIP POLES	KVA #A #B #C	KVA #A #B #C	BKR TRIP POLES	LOAD DESCRIPTION
LIG LOBBY	20 1	0.5	1 2 0.8	20 1	LIG WEST OFFICES
LIG EAST OFFICES	20 1	0.8	3 4 0.9	20 1	LIG NURSE ST., CENTER OFFICES
LIG CORRIDORS	20 1	0.6	5 6 0.6	20 1	REC EXAM 1
REC EXAM 6	20 1	0.8	7 8 1.0	20 1	REC TESTING
REC BREAK RM	20 1	0.6	9 10 0.8	20 1	REC MED RM
REC NURSE STATION	20 1	0.6	11 12 0.6	20 1	REC SPARE
REC NURSE STATION	20 1	0.6	13 14 0.2	20 1	REC EKG TRAUMA 1
O-POWER ASSIST FRONT DOOR	20 1	0.3	15 16 0.5	20 1	REC LAB UC REFRIG
REC FRONT DESK	20 1	0.8	17 18 0.4	20 1	REC LAB DED. CIRCUIT
REC FRONT DESK	20 1	0.8	19 20 0.4	20 1	REC LAB
REC FRONT DESK BACK COUNTER	20 1	0.6	21 22 1.0	20 1	REC TRAUMA 2, EXAM 5
REC FRONT DESK BACK COUNTER	20 1	0.8	23 24 0.8	20 1	REC EXAM 2, 3
SPARE	20 1	0.6	25 26 0.8	20 1	REC TRIAGE, MED SUPPLY, HALL
SPARE	20 1	0.6	27 28 1.0	20 1	REC EXAM 4, 5
SPARE	20 1	0.6	29 30 0.8	20 1	REC MED RM REFRIG.
REC NURSE STATION COUNTER	20 1	0.4	31 32 1.0	20 1	REC TRAUMA 1, EXAM 2
REC NURSE STATION, MED RM	20 1	1.0	33 34 0.2	20 1	REC SHOW WINDOWS
REC X RAY RM	20 1	1	35 36 0.8	20 1	REC X-RAY RM
REC RECIRC. PUMP	20 1	0.2	37 38 0.6	20 1	REC WAITING, EWC
O-EWH-1	30 2	2.25	39 40 0.7	20 1	O-SOLENOID VALVES, RECEP
O-	—	2.25	41 42 0.4	20 1	LTG SURGERY LIGHT TRAUMA 1
REC LAB UC REFRIG.	20 1	0.5	43 44 0.5	20 1	LTG SURGERY LIGHT TRAUMA 2
SPARE	20 1	0.6	45 46 0.5	20 1	REC GFI ON ROOF
REC DR. OFFICE	20 1	1.2	47 48 0.6	20 1	O-SIGN CIRCUIT
REC MANAGER OFFICE	20 1	1.0	49 50 1.2	20 1	REC BREAK RM, REFRIG
REC BREAK RM	20 1	0.7	51 52 0.6	20 1	REC SPARE
REC MICROWAVE	20 1	0.9	53 54 0.6	20 1	REC DRUG SCREEN
REC BREAK RM COUNTER	20 1	0.4	55 56 0.4	20 1	REC CLEAN/SOI
REC BREAK RM COUNTER	20 1	0.4	57 58 0.8	20 1	REC CLEAN/SOI DED.
SPARE	20 1	0.6	59 60 0.2	20 1	O-HAND DRYER PATIENT RR 1
SPARE	20 1	0.6	61 62 1.5	20 1	O-HAND DRYER PATIENT RR 2
SPARE	20 1	0.6	63 64 1.5	20 1	O-HAND DRYER EMP. RR 1
O-FACP	20 1	0.4	67 68 0.4	20 1	REC TELECOM RM
O-SECURITY PANEL	20 1	0.4	69 70 0.4	20 1	REC TELECOM RM
O-DOOR CONTROLLER	20 1	0.4	71 72 0.2	20 1	REC TELECOM RM
SPARE	20 1	0.6	73 74 0.6	20 1	REC SPARE
SPARE	20 1	0.6	75 76 0.6	20 1	REC SPARE
SPARE	20 1	0.6	77 78 0.6	20 1	REC SPARE
SPARE	20 1	0.6	79 80 0.0	30 3	O-SPD
SPARE	20 1	0.6	81 82 0.0	20 1	O-HAND DRYER EMP. RR 2
SPARE	20 1	0.6	83 84 0.0	20 1	O-HAND DRYER EMP. RR 1
TOTALS	8.1	10.1	11.8	9.4	9.5 8.1
SERVES	CONN. LOAD - KVA	D.F.	CALC. DEMAND - KVA	NOTES:	
LIGHTING	4.80		1.25	6.00	
RECEPTACLES - 1ST 10 KVA	10.00		1.0	10.00	
RECEPTACLES - ABOVE 10 KVA	16.80		0.50	8.40	
MECHANICAL	0.00		1.00	0.00	
EQUIPMENT - KITCHEN	0.00		0.65	0.00	
APPLIANCE	0.00		0.75	0.00	
SPARE/SPACE	13.20		1.0	13.20	
OTHER	12.10		1.0	12.10	
TOTALS	56.90		49.70	CALCULATED AMPS: 138	

PANEL	XR	SERVICE	120/208V-1Ø-3W	MINIMUM BREAKER AIC	22,000
LOCATION	X-RAY	RATING	60A M.C.B.	MOUNTING	FLUSH
<b>SHUNT TRIP UNIT</b>					
LOAD DESCRIPTION	BKR TRIP POLES	KVA #A #B #C	KVA #A #B #C	BKR TRIP POLES	LOAD DESCRIPTION
O-SPD	30 2	0.0	1 2 1.2	20 1	O-X RAY EQUIPMENT
O-	—	0.0	3 4 1.2	20 1	O-X RAY EQUIPMENT
SPARE	20 1	0.6	5 6 0.0	20 1	REC EXTERIOR GFI
SPARE	20 1	0.6	7 8 0.6	20 1	SPARE
SPACE ONLY	—	1	0.0	9 10 0.6	20 1 SPARE
SPACE ONLY	—	1	0.0	11 12 0.0	— 1 SPARE
M-RTU -1	60 3	3.7	13 14 3.7	60 3	M-RTU 2
M-	—	3.7	15 16 3.7	—	M-
M-RTU 3	60 3	3.0	17 18 5.0	60 3	M-RTU 4
M-	—	3.0	21 22 5.0	—	M-
M-	—	3.0	23 24 5.0	—	M-
M-DSI/DSO-1	30 2	1.7	25 26 20.6	175 2	O-X-RAY BREAKER
M-	—	1.7	27 28 20.6	—	O-
O-PANEL XR	60 2	2.4	29 30 0.0	—	1 SPACE ONLY
O-	—	2.4	31		

FIRE ALARM DRAWING CRITERIA											
THE FOLLOWING PUBLICATIONS SHALL BE USED AS A REFERENCE FOR DESIGN OF THE FIRE ALARM SYSTEM ON THIS PROJECT.											
1. FLORIDA FIRE PREVENTION CODE, 8TH EDITION (2023) 2. NFPA 70, NATIONAL ELECTRICAL CODE (2020) 3. NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE (2019) 4. NFPA 101, 2021 EDITION, LIFE SAFETY CODE											
FIRE ALARM GENERAL NOTES											
1. REFER TO FIRE ALARM SYSTEM SPECIFICATIONS FOR ADDITIONAL DETAILS AND REQUIREMENTS. DEVICES SHOWN ARE TYPICAL OF A FIRE ALARM SYSTEM. SPECIFIC QUANTITIES, TYPES AND LOCATIONS OF DEVICES SHALL BE SPECIFIED BY THE LICENSED FIRE ALARM PROTECTION SYSTEMS DESIGNER AND CONTRACTOR. WHERE ADDING TO AN EXISTING SYSTEM, THE DESIGNER SHALL SPECIFY COMPONENTS THAT INTEGRATE WITH AND MATCH THE EXISTING MANUFACTURER, OVERALL SYSTEM, MODEL, CLASS WIRING, ETC.											
2. SCOPE: PROVIDE NEW FIRE ALARM SYSTEM. REFER TO ARCHITECTURAL PLANS FOR LIFE SAFETY PLANS AND ROOM TYPES/OCCUPANCY. REFER TO THE ELECTRICAL PLANS FOR PROPOSED LOCATIONS OF FIRE ALARM CONTROL PANELS, TERMINAL CABINETS AND DEVICES. REFER TO FIRE ALARM SYSTEM RISER DIAGRAM FOR ADDITIONAL DETAILS AND REQUIREMENTS.											
3. CONTRACTOR SHALL ACQUIRE THE SERVICES OF A LICENSED FIRE ALARM SYSTEM DESIGNER AND LICENSED FIRE ALARM SYSTEM INSTALLER. FIRE ALARM SYSTEM DESIGNER SHALL PROVIDE SIGNED AND SEALED FIRE ALARM SHOP DRAWINGS SHOWING THE TYPE, MODEL, MANUFACTURER AND QUANTITIES OF FIRE ALARM COMPONENTS AND THEIR LOCATIONS. DESIGN SHALL MEET THE REQUIREMENTS OF THE NEC, NFPA 72, NFPA 101, THE FLORIDA BUILDING CODE, AND ANY APPLICABLE LOCAL CODES. FIRE ALARM SYSTEM DESIGNER SHALL HAVE A FLORIDA LICENSED PROFESSIONAL ENGINEER PERFORM THE DESIGN, CALCULATIONS, SIGN AND SEAL.											
4. CONSTRUCTION DOCUMENTS FOR FIRE ALARM SYSTEMS SHALL BE OF SUFFICIENT CLARITY TO INDICATE THE LOCATION, NATURE AND EXTENT OF THE WORK PROPOSED AND SHOW IN DETAIL THAT IT WILL CONFORM TO THE PROVISIONS OF THIS CODE, THE FLORIDA FIRE PREVENTION CODE, AND RELEVANT LAWS, ORDINANCES, RULES AND REGULATIONS, AS DETERMINED BY THE FIRE CODE OFFICIAL.											
5. INITIATING DEVICE CIRCUITS AND NOTIFICATION APPLIANCE CIRCUITS SHALL BE CLASS B WIRING. THEY SHALL ALLOW THE RECEIPT OF AND NOTIFICATION OF ALARMS EVEN IN THE EVENT OF A SINGLE OPEN CIRCUIT OR SINGLE GROUND IN THE CIRCUITS.											
6. WIRING: SYSTEM SHALL BE WIRED WITH NO. 14 AWG POWER LIMITED FIRE ALARM CABLE (FPL IN GENERAL PURPOSE SPACES, FPLP IN PLUMED RATED SPACES, & FPLR AT CABLE RISERS) IN ACCORDANCE WITH THE MANUFACTURER'S WIRING DIAGRAMS AND REQUIREMENTS. FOR EXTERIOR F/A CIRCUITS (ABOVE GROUND & BELOW GROUND) JACKETED, DIRECT BURIAL, SUNLIGHT RESISTANT FPL CABLE SHALL BE USED. ALL WIRES SHALL BE NUMBERED AT BOTH ENDS WITH TYPEWRITTEN HEAT SHRINKABLE MARKERS.											
7. THE FIRE ALARM SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023), THE NATIONAL ELECTRIC CODE, AND THE LATEST APPLICABLE PROVISIONS AND RECOMMENDATIONS OF THE NATIONAL FIRE ALARM CODE (NFPA 72) AND THE LIFE SAFETY CODE (NFPA 101).											
8. COORDINATE WITH HVAC MECHANICAL DRAWINGS FOR DUCT SMOKE DETECTOR AND FIRE/SMOKE DAMPER, DETAILS, REQUIREMENTS AND LOCATIONS. COORDINATE DESIGN OF FIRE ALARM SYSTEM WITH THE PRODUCTS AND MATERIALS SPECIFIED BY THE HVAC MECHANICAL ENGINEER. PROVIDE ALL ADDITIONAL CONDUIT, WIRE, HARDWARE, MOUNTING EQUIPMENT, CONTROLS, ETC., AS REQUIRED TO COORDINATE THE SYSTEMS AND ALLOW A UNIFIED AND COMPLETE SYSTEM.											
9. COORDINATE WITH THE OWNER/TENANT'S ACCESS CONTROL SYSTEM SUPPLIER/INSTALLER FOR THE REQUIRED AUTOMATIC UNLOCKING OF THE DOOR IN THE DIRECTION OF EGRESS IF THE FIRE ALARM SYSTEM OR FIRE SPRINKLER SYSTEM IS ENGAGED, AS REQUIRED BY NFPA 101, CHAPTER 7, SECTION 7.2.1.6.2 (4) AND (6). UNTIL MANUALLY RESET, DOOR SHALL REMAIN UNLOCKED. PROVIDE ALL REQUIRED BATTERY BACK UP TO MAINTAIN DOORS IN THE UNLOCKED POSITION.											
FLORIDA ADMINISTRATIVE CODE CHAPTER 61G15-32 NOTES											
1. THE FIRE ALARM SYSTEM SCOPE OF WORK SHALL INCLUDE THE PREPARATION AND DESIGN OF THE FIRE ALARM SYSTEM LAYOUT DOCUMENTS (WORKING PLANS). PROVIDE ALL EQUIPMENT, MATERIALS, COMPONENTS, ASSEMBLIES AND SUPPORT SYSTEMS REQUIRED, AS DESCRIBED, IN NFPA 72. THE FIRE ALARM CONTRACTOR SHALL PROVIDE BACKUP BATTERY CALCULATIONS FOR THE DESIGN OF THE FIRE ALARM SYSTEM.											
2. THE FIRE ALARM DESIGN, CALCULATIONS, INSTALLATION AND THE ACCEPTANCE TESTING OF THE FIRE ALARM SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 72, THE FLORIDA BUILDING CODE, THE FLORIDA FIRE PREVENTION CODE, AND ALL LOCAL CODES REQUIRED BY THE AUTHORITY HAVING JURISDICTION.											
3. AREA OCCUPANCIES AND HAZARD CLASSIFICATIONS ARE LISTED IN THE DESIGN CRITERIA NOTE LOCATED ON ARCHITECTURAL LIFE SAFETY DRAWING(S).											
4. ALL FIRE PROTECTION SYSTEM CONTROL VALVES SHALL BE PROVIDED WITH TAMPER SWITCHES AND INTERFACE WITH THE FACP ON THE SUPERVISED CIRCUIT, ALL FLOW SWITCHES SHALL INTERFACE WITH THE FACP ON THE ALARM CIRCUIT.											
5. THE FIRE ALARM CONTRACTOR SHALL PREPARE AND PROVIDE FIRE ALARM SYSTEM LAYOUT DOCUMENTS WITH BACKUP BATTERY CALCULATIONS. DOCUMENTS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER AND THE LOCAL AHJ FOR ACCEPTANCE PRIOR TO PERMITTING.											
6. ALL FIRE ALARM EQUIPMENT AND COMPONENTS SHALL BE LISTED AND TESTED FOR FIRE ALARM USE AND IN ACCORDANCE WITH NFPA 72. ALL FIRE ALARM EQUIPMENT AND COMPONENTS SHALL BE THE U.L. LISTED AND FM APPROVED.											
7. THIS PROJECT IS S-1, B BUSINESS PER FBC, EIGHTH EDITION (2023) NO SEPARATION REQUIRED PER SECTION 508.3.3 AND TABLE 508.4 OCCUPANCY SEPARATION											

## FIRE ALARM AND DETECTION SYSTEM REQUIREMENTS

THE WORK REQUIRED UNDER THIS DIVISION SHALL INCLUDE ALL MATERIALS, LABOR AND AUXILIARIES REQUIRED TO FURNISH AND INSTALL A COMPLETE 24 VDC, CLOSED CIRCUIT, ELECTRICALLY SUPERVISED AND ANNUNCIATED FIRE ALARM SYSTEM AS SPECIFIED HEREIN AND INDICATED ON THE DRAWINGS. THE SYSTEM SHALL INCLUDE BUT NOT BE LIMITED TO ALL CONTROL PANELS, POWER SUPPLIES, SIGNAL INITIATING DEVICES, AUDIBLE AND VISUAL ALARM DEVICES, WIRE FITTINGS AND ALL ACCESSORIES REQUIRED TO PROVIDE A COMPLETE OPERATING SYSTEM.

THE SYSTEM SHALL OPERATE AS A:

- A. NON-CODED, CONTINUOUS RINGING SYSTEM WHICH WILL SOUND ALL AUDIBLE DEVICES UNTIL IT IS MANUALLY SILENCED, "GENERAL EVACUATION SIGNAL".
- B. THE SYSTEM SHALL BE WIRED AS A CLASS B FOR ALL CIRCUITS.
- C. PATHWAY SURVIVABILITY LEVEL 0. PATHWAYS ARE NOT REQUIRED TO HAVE ANY PROVISIONS FOR PATHWAY SURVIVABILITY.

## SURGE PROTECTION:

PROVIDE TWO-STAGE HYBRID TYPE SURGE SUPPRESSION ON 120 VOLT POWER LINE AT FACP AND BOTH SIDES THAT FEED TAMPER SWITCHES AT BACKFLOW PREVENTER(S) AND ANY CIRCUITS THAT LEAVE THE BUILDING. USE DITEK MODEL 2MHP SERIES WITH THE CORRECT VOLTAGE RATING FOR ALL SLC/DC/NAC/PIV CIRCUITS THAT LEAVE THE BUILDING.

CIRCUIT BREAKER FEEDING THE FACP AND NAC PANELS MUST BE LABELED AND HAVE A BREAKER LOCK.

UPON ACTIVATION OF THE FIRE ALARM SYSTEM DEVICE A GENERAL EVACUATION SHALL BE INITIATED, THE FOLLOWING SHALL TAKE PLACE:

- A. ENERGIZE ALL ALARM SIGNALING DEVICES.
- B. ALERT LOCAL FIRE DEPARTMENT OR PROPRIETARY SYSTEM.
- C. CAUSE ALARM TO BE DISPLAYED ON THE ANNUNCIATOR SECTION OF THE CONTROL PANEL AND ALL REMOTE ANNUNCIATOR PANELS.
- D. SHUT DOWN AIR HANDLERS.

SYSTEM SUPERVISORY FAULTS, SUCH AS SHORTS, OPENS, AND GROUNDS IN CONDUCTORS, OPERATING POWER FAILURE, OR FAULTS WITHIN SUPERVISED DEVICES, SHALL CAUSE AN AUDIBLE AND VISUAL TROUBLE INDICATION AT THE FIRE ALARM CONTROL PANEL.

SYSTEM SHALL PROVIDE INDIVIDUAL ADDRESSES BY AREA AND TYPE OF DEVICE, I.E. MO01 FIRST FLOOR PULL STATIONS

INTERFACE FIRE ALARM SYSTEM WITH ELEVATOR SYSTEM AS NECESSARY TO MEET CODES GOVERNING THIS PROJECT AND LOCAL AUTHORITY HAVING JURISDICTION.

## SUBMITTALS

SUBMIT MANUFACTURER'S DATA ON ALL PRODUCTS, INCLUDING BUT NOT LIMITED TO CATALOG CUT SHEETS, ROUGH-IN DIAGRAMS, INSTALLATION INSTRUCTIONS, AND POINT-TO-POINT WIRING DIAGRAMS AND RISERS

## ADDRESSABLE FIRE ALARM CONTROL PANEL WITH GENERAL EVACUATION

THE FIRE ALARM CONTROL PANEL SHALL BE OF DEAD FRONT CONSTRUCTION AND BE MODULAR IN DESIGN. THE CONTROL PANEL SHALL BE CAPABLE OF FUTURE EXPANSION AND SHALL PROVIDE ACTIVE SIGNAL INITIATING AS INDICATED ON DRAWINGS AND PROVISIONS FOR THE FUTURE ADDITION OF FOUR ZONES. THE FIRE ALARM CONTROL PANEL SHALL BE SEMI-FLUSH MOUNTED AND LOCATED AS SHOWN ON THE DRAWINGS.

THE BATTERY PACK SHALL PROVIDE OPERATING AND SUPERVISORY POWER FOR BATTERIES WITH SUFFICIENT AMPERE-HOUR RATING TO MEET THE ABOVE NFPA STANDARD AND TO OPERATE ALL ALARM SIGNALS FOR A DURATION OF 5 MINUTES AT THE END OF A 24 HOUR PERIOD.

CONTROL PANEL SHALL INCLUDE ALL EQUIPMENT REQUIRED TO ALERT THE FIRE DEPARTMENT AND/OR OWNER'S MONITORING SERVICE AND CAUSE THE NEW FIRE ALARM SYSTEM TO ALARM.

## SMOKE DETECTORS

DUCT AND SMOKE DETECTORS SHALL BE PHOTOELECTRIC TYPE AND TO BE DESIGNED WITH SLEEK, CONTEMPORARY DESIGN AND ENHANCED OPTICAL SENSING CHAMBER SHALL BE ENGINEERED TO SENSE SMOKE PRODUCED BY A WIDE RANGE OF COMBUSTION SOURCES IN ACCORDANCE WITH MORE STRINGENT CODE STANDARDS. AIR DUCT DETECTORS SHALL BE MOUNTED IN A HOUSING AND ALSO SAMPLING TUBES EXTENDING INTO THE DUCTWORK. PROVIDE SAMPLING TUBES SIZED AS REQUIRED BY THE DUCTWORK. PROVIDE A REMOTE INDICATING LAMP ON ALL AIR DUCT DETECTORS LOCATED ABOVE A CONCEALED CEILING.

- A. DETECTORS SHALL BE LISTED TO U.L. STANDARD 268 AND SHALL BE DOCUMENTED COMPATIBLE WITH THE CONTROL EQUIPMENT TO WHICH IT IS CONNECTED. DETECTORS SHALL BE LISTED FOR THIS PURPOSE BY UNDERWRITERS LABORATORIES INC. THE DETECTORS SHALL OBTAIN THEIR OPERATING POWER FROM THE FIRE ALARM PANEL'S SUPERVISED SIGNAL LINE CIRCUIT (SLC). THE OPERATING VOLTAGE SHALL BE 24VDC (NOMINAL). REMOVAL OF THE DETECTOR HEAD SHALL INTERRUPT THE SUPERVISED CIRCUIT OF THE SLC AND CAUSE A TROUBLE SIGNAL TO BE GENERATED AT THE FIRE ALARM CONTROL PANEL.
- B. EACH DETECTOR SHALL HAVE A FLASHING STATUS INDICATING LED FOR VISUAL SUPERVISION. WHEN THE DETECTOR IS ACTUATED, THE FLASHING LED WILL LATCH ON STEADY AND AT FULL BRILLIANCE. THE DETECTOR MAY BE RESET BY ACTUATING THE FIRE ALARM CONTROL PANEL RESET SWITCH.
- C. TO MINIMIZE NUISANCE ALARMS, VOLTAGE AND RF TRANSIENT SUPPRESSION TECHNIQUES SHALL BE EMPLOYED AS WELL AS SMOKE VERIFICATION CIRCUIT AND AN INSECT SCREEN. THE DETECTOR DESIGN SHALL PROVIDE FULL SOLID-STATE CONSTRUCTION AND COMPATIBILITY WITH OTHER NORMALLY OPEN FIRE SLC DEVICES, (HEAT DETECTORS, PULL STATIONS, ETC.). THE DETECTOR HEAD SHALL BE EASILY DISASSEMBLED TO FACILITATE CLEANING.

## SYSTEMS TESTING

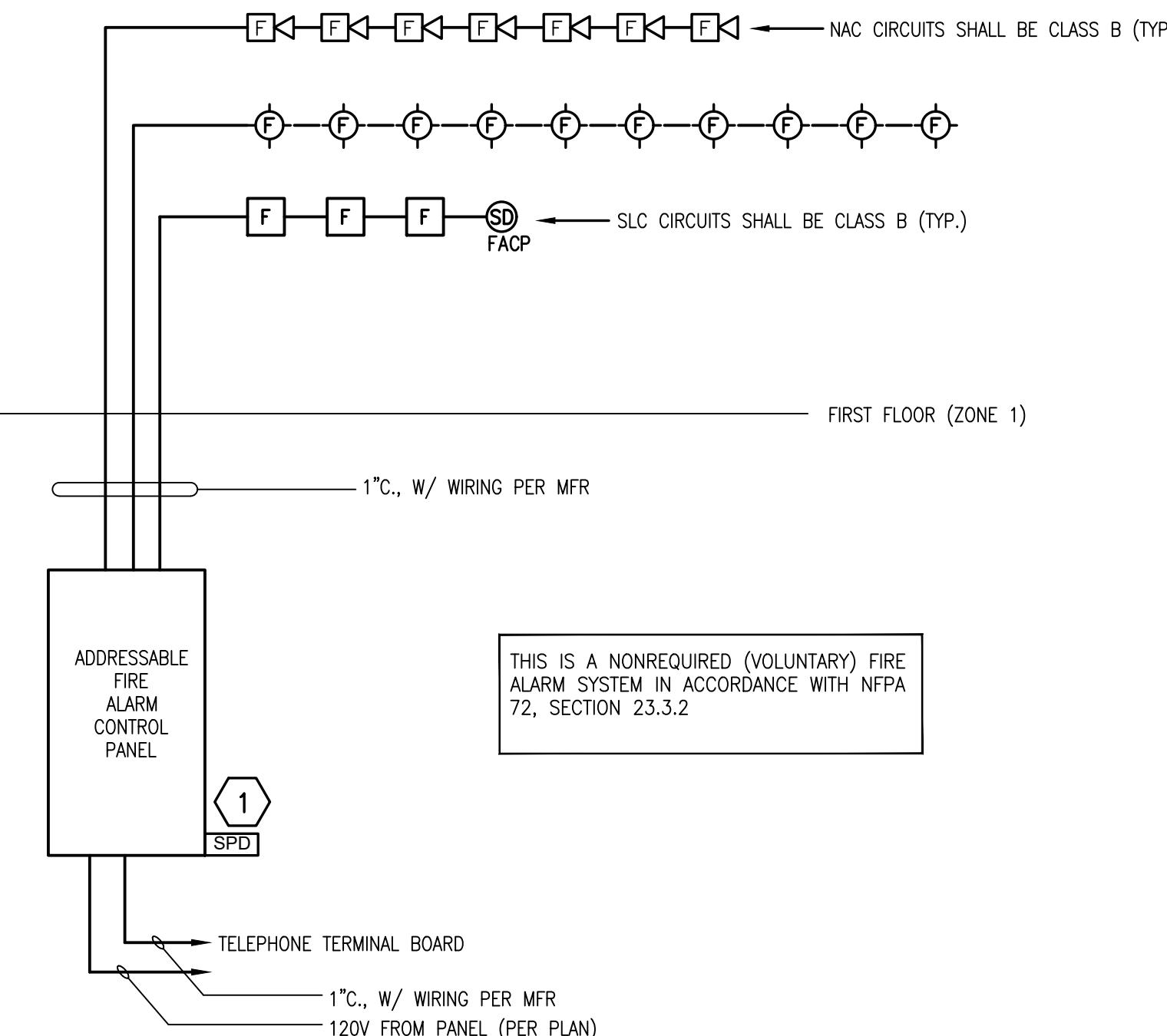
PERFORM A COMPLETE, FUNCTIONAL, COMPONENT-BY-COMPONENT TEST OF THE ENTIRE SYSTEM IN ACCORDANCE WITH NFPA 72 CHAPTER 14. NOTIFY THE OWNER'S AGENT AND THE ARCHITECT IN WRITING 48 HOURS PRIOR TO TEST.

IDENTIFY EACH DEVICE BY A UNIQUE NUMBER ON THE AS-BUILT DRAWING. PROVIDE A CHECKLIST SHOWING FOR EACH DEVICE NUMBER, THE DEVICE TYPE, ITS SERIAL NUMBER, AND THAT IT WAS TESTED FOR SUPERVISION AND OPERATION.

AT THE FINAL INSPECTION A FACTORY TRAINED REPRESENTATIVE OF THE INSTALLER SHALL DEMONSTRATE THAT THE SYSTEMS FUNCTION PROPERLY IN EVERY RESPECT AND PROVIDE FULL TRAINING. ALL TESTING REQUIRED BY THE AHJ AND NFPA 72 SHALL BE COMPLETED IN THE PRESENCE OF THE LOCAL FIRE AUTHORITY, AS REQUIRED.

PROVIDE THE FOLLOWING CLOSE-OUT DOCUMENTS TO THE OWNER

- 1. FIRE ALARM AS BUILT DRAWINGS
- 2. OPERATION AND MAINTENANCE MANUAL
- 3. COMPLETED NFPA 72 SYSTEM RECORD OF COMPLETION



## FIRE ALARM CONTROL PANEL - RISER DIAGRAM

NO SCALE

## FIRE ALARM RISER DIAGRAM GENERAL NOTES:

1. ONE OF THE FOLLOWING PRIMARY TRANSMISSION MEANS SHALL BE EMPLOYED TO COMMUNICATE TO THE REMOTE SUPERVISING STATION.

- (1) ONE-WAY PRIVATE RADIO ALARM SYSTEM
- (2) TWO-WAY RF MULTIPLEX SYSTEM
- (3) TRANSMISSION MEANS COMPLYING WITH 26.6.3.

OR PROVIDE ANOTHER METHOD OF COMMUNICATION IN ACCORDANCE WITH NFPA 72 CHAPTER 26.

2. A SINGLE FAULT ON A PATHWAY CONNECTED TO THE ADDRESSABLE DEVICES SHALL NOT CAUSE THE LOSS OF THE DEVICES IN MORE THAN ONE ZONE. 23.6.1.1 FOR THE PURPOSE OF THIS SECTION, EACH FLOOR OF THE BUILDING SHALL BE CONSIDERED A SEPARATE ZONE. PROVIDE REQUIRED SLC ISOLATION MODULES FOR EACH FLOOR

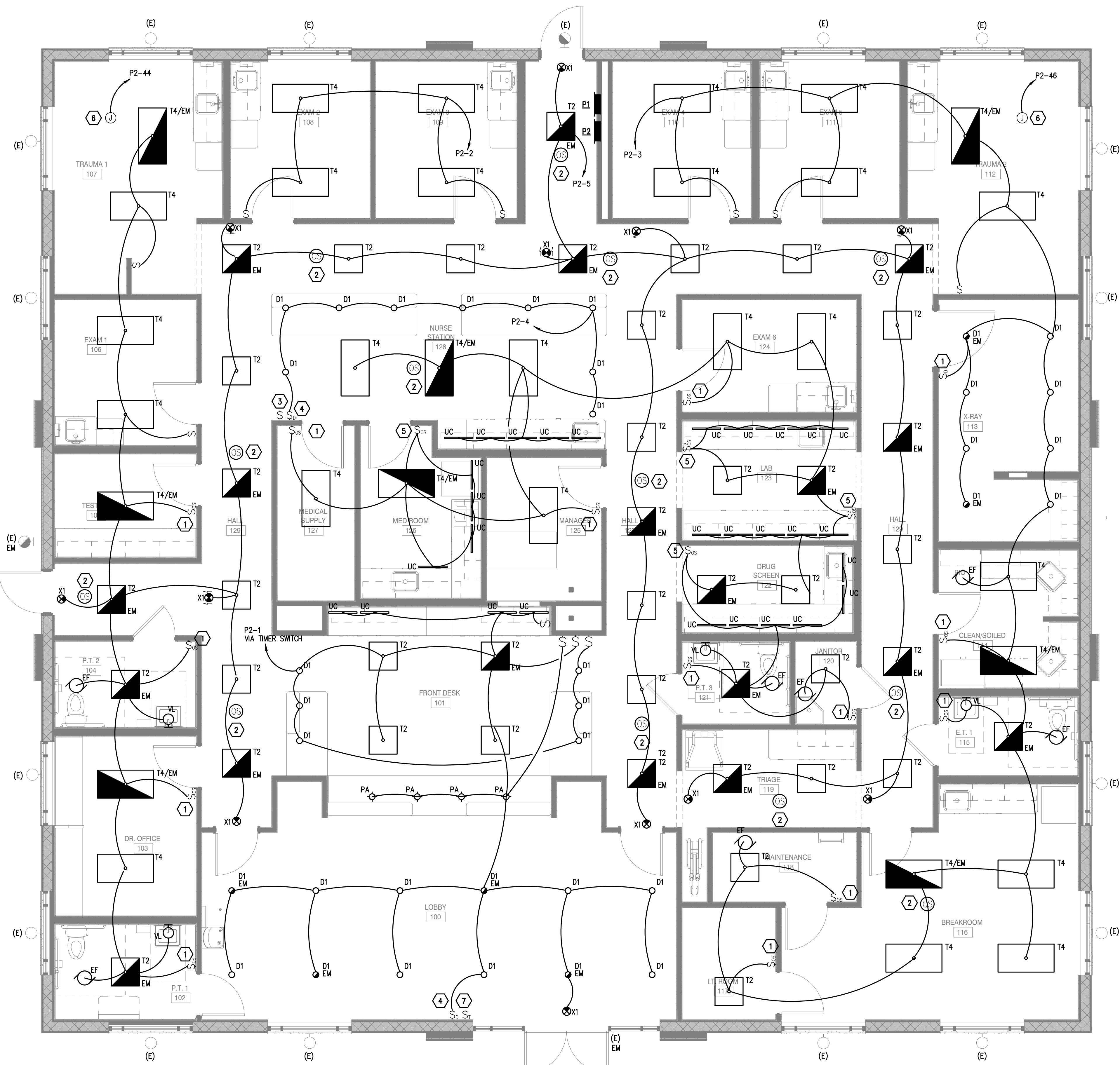
## FIRE ALARM RISER DIAGRAM KEY NOTES:

1. PROVIDE SURGE PROTECTION FOR FACP. DITEK DTK-120HWLOK (OR EQUAL)

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**DEMOLITION NOTES:**

- (D) - EXISTING DEVICE TO BE DEMOLISHED
- (E) - EXISTING DEVICE TO REMAIN
- (R) - EXISTING DEVICE TO BE RELOCATED

**LIGHTING NOTES:**

1. CONNECT ALL EMERGENCY LIGHTS & EXIT SIGNS AHEAD OF ANY AUTOMATIC SWITCHING ARRANGEMENTS.
2. SPACES WITH LESS THAN 150W OF GENERAL LIGHTING IN THE DAYLIGHT ZONE DO NOT HAVE DAYLIGHT RESPONSIVE CONTROLS IN ACCORDANCE WITH FBC EC 405.2.3
3. EXTERIOR LIGHTING IS EXISTING TO REMAIN
4. THERE IS NO AUTOMATIC SHUTOFF FOR THE LIGHTS IN THE EXAM ROOMS, TRAUMA ROOMS & X-RAY ROOM IN ACCORDANCE WITH FBC EC 405.2.2, EXCEPTION 1. "SPACES WHERE PATIENT CARE IS DIRECTLY PROVIDED"
5. OCCUPANCY SENSORS IN CORRIDORS, RESTROOMS, BUILDING ENTRANCE AREAS & LOBBIES ARE INTENDED TO BE FULL-AUTOMATIC ON IN ACCORDANCE WITH FBC EC 405.2.1.1,
6. INTERCONNECT OCCUPANCY SENSORS IN THE SAME ROOM OR CORRIDOR TO HOLD ALL LIGHTS ON WHILE ANY SENSOR DETECTS OCCUPANCY. ADJUST ALL OCC. SENSOR SETTINGS TO MAX. DETECTION SENSITIVITY & 20 MIN. TIMEOUT DURATION. SET AMBIENT LIGHT SENSITIVITY TO LOWEST SETTING TO IGNORE AMBIENT LIGHT LEVELS.

**PLAN KEY NOTES:**

1. WALL SWITCH/OCCUPANCY SENSOR, LINE VOLTAGE. PASSIVE INFRARED DETECTION. SINGLE OR 3-WAY. GREENGATE OWN-P-1001
2. CEILING MOUNTED, LOW VOLTAGE OCCUPANCY SENSOR, 360°, 1000 SF COVERAGE AREA. DUAL TECHNOLOGY DETECTION. PROVIDED WITH MOMENTARY SWITCH (GREENGATE GMDS) FOR MANUAL OPERATION WHERE REQUIRED. GREENGATE VAC-DT-1000-R
3. LINE VOLTAGE MOMENTARY SWITCH FOR VACANCY/OCCUPANCY SENSOR MANUAL CONTROL. SET OCCUPANCY SENSOR TO "MANUAL-ON" MODE. GREENGATE GMDS
4. 0-10 VOLT SLIDE DIMMER WALLSTATION. SINGLE POLE OR 3-WAY. 10A MAX LOAD AT 120V, 6A MAX LOAD @ 277V. WHITE FINISH. GREENGATE WSD-010DEC-C1
5. WALL SWITCH OCCUPANCY SENSOR, DUAL RELAY FOR SEPARATE CONTROL OF OVERHEAD LIGHTS/UNDER CABINET LIGHTS. DUAL TECHNOLOGY DETECTION. LINE VOLTAGE. SINGLE OR 3-WAY. LEGRAND PW-302-W
6. PROVIDE JUNCTION BOX FOR POWER CONNECTION TO OVERHEAD EXAM LIGHT. LIGHT FURNISHED BY OWNER. INSTALLED BY THE GENERAL CONTRACTOR. SEE STRUCTURAL SHEETS FOR JUNCTION BOX SUPPORT FROM ROOF STRUCTURE. VERIFY LOCATION W/ OWNER PRIOR TO ROUGH IN.
7. PROGRAMMABLE TIME SWITCH. ASTROLOGIC TIMING CLOCK. 2-HOUR AFTER HOURS OVERRIDE. REFER TO SPEC SHEET AND ADDITIONAL NOTES ON SHEET E002.

**VIERA CENTRAL CARE**

PROJECT ADDRESS:

MURRELL ROAD,  
ROCKLEDGE, FL 32955

PROJECT NO.: 250028

ACTIVE DESIGN PHASE  
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 SCHEMATIC DESIGN  
 DESIGN DEVELOPMENT  
 CONSTRUCTION BIDDING  
 CONSTRUCTION DOCUMENTS  
 AS-BUILT RECORD SET

REVISION INFORMATION  

NO.	DATE	DESCRIPTION

**KEY PLAN**

SHEET INFORMATION  
 SHEET ISSUED: 10/10/2025  
 DESIGNED BY: MDF  
 DRAWN BY: MDF  
 REVIEWED BY: DDA  
 SHEET TITLE:

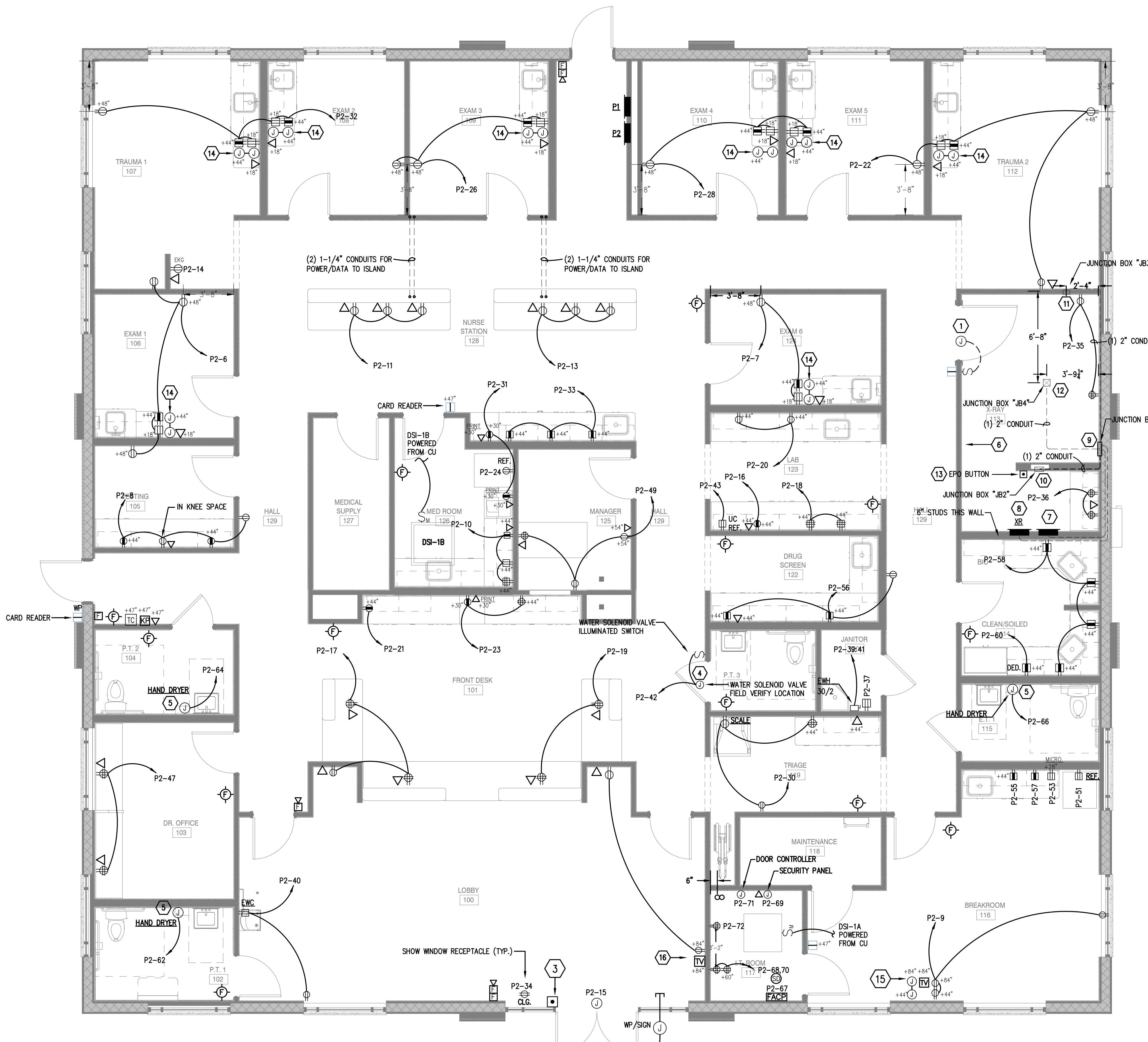
LIGHTING  
FLOOR PLAN

LIGHTING FLOOR PLAN

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

1

E101



## ROOF ELECTRICAL PLAN

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

1

1

1

1

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NO. DATE DESCRIPTION

KEY PLAN

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DESIGNED BY: MDF  
DRAWN BY: MDF  
REVIEWED BY: DDA  
SHEET TITLE:ROOF  
ELECTRICAL  
PLAN

SHEET NO.:

E301

