ABBREVIATIONS

NOTE: ALL MAY NOT BE USED.

A	AMPERES
AC	ALTERNATING CURRENT OR ABOVE COUNTER
A/E	ARCHITECT/ENGINEER
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTES, INC.
AT	AMPERE TRIP
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BC	BARE COPPER
BPS	BOLTED PRESSURE SWITCH
C	CONDUIT
CB	CIRCUIT BREAKER
CBM	CERTIFIED BALLAST MANUFACTURERS
CATV	COMMUNITY ANTENNA TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
cd	CANDELA RATING
CFL	COMPACT FLUORESCENT
CKT	CIRCUIT
CLG	CEILING
CT	CURRENT TRANSFORMER
CU	COPPER
DB	DIRECT BURIAL
dBA	DECIBEL LEVEL
DC	DIRECT CURRENT
DISP	GARBAGE DISPOSAL
DN	DOWN
DWG	DRAWING
E.C.	ELECTRICAL CONTRACTOR
EC	EMPTY CONDUIT
EF	EXHAUST FAN
EG	EQUIPMENT GROUND
ELBU	EMERGENCY LIGHTING BATTERY UNIT
EM	EMERGENCY
EMR	EQUIPMENT MANUFACTURER REQUIREMENT
EMT	ELECTRIC METALLIC TUBING
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EX	EXISTING
F	FUSE
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FABP	FIRE ALARM BOOSTER PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FDAS	FIRE DETECTION ALARM SYSTEM
FLUOR	FLUORESCENT
FPVAV	FAN POWERED VARIABLE AIR VOLUME BOX
FPN	FUSE PER NAMEPLATE
GC	GENERAL CONTRACTOR
GF,GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFR	GROUND FAULT RELAY
G, GND	GROUND
HH	HANDHOLE
HOA	HAND OFF AUTOMATIC
HP	HORSEPOWER
HZ	HERTZ
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KW	KILOWATT
KV	KILO VOLT
KVA	KILO VOLT-AMPERE
L	LOCKING
LCP	LIGHTING CONTROL PANEL
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MDS	MAIN DISTRIBUTION SWITCHBOARD
MLO	MAIN LUGS ONLY
MH	MANHOLE
MSP	MOTOR STARTER PANEL
MT	MOUNT
MTS	MANUAL TRANSFER SWITCH
MHT	MOUNTING HEIGHT
MV	MEDIUM VOLTAGE
MW	MICROWAVE
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NF	NON FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
PA	PUBLIC ADDRESS
PB	PULLBOX
PH	PHASE
P	POLE
PNL	PANELBOARD
PT	POTENTIAL TRANSFORMER
PWR	POWER
Q	QUARTS RESTRIKE LAMP
R	RACEWAY
REC	RECEPTACLE
RECEPT	
REF	REFRIGERATOR
RL	RELOCATE EXISTING
RM	ROOM
RMC	RIGID METAL CONDUIT
RS	RAPID START
RV	REMOVE EXISTING
SA	SURGE ARRESTOR
SN	SOLID NEUTRAL
SPD	SURGE PROTECTION DEVICE
SS	SAFETY SWITCH
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TMGB	MAIN TELECOM GROUND BAR
TGB	TELECOM GROUND BAR
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TEL	TELEPHONE
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UC	UNDER COUNTER
UH	UNIT HEATER
UL	UNDERWRITERS' LABORATORIES, INC.
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VP	VAPOR PROOF
VAV	VARIABLE AIR VOLUME BOX
VFC	VARIABLE FREQUENCY CONTROLLER
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE, WATTS
WAP	WIRELESS ACCESS POINT
WH	WATER HEATER
WP	WEATHERPROOF
XFMR	TRANSFORMER

VOLTAGE DROP

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING VOLTAGE DROP CONDITIONS OF FINAL CONDUIT / CONDUCTOR ROUTINGS DO NOT EXCEED THE FOLLOWING MAXIMUM VALUES AND UPSIZE CONDUCTORS AND CONDUIT AS REQUIRED:

A. FEEDER CIRCUITS: MAX 3% VOLTAGE DROP (PER NEC ARTICLE 215.2(A) (1) INFORMATIONAL NOTE NO. 2)

B. BRANCH CIRCUITS: MAX 3% VOLTAGE DROP (PER NEC ARTICLE 210.19(A) INFORMATIONAL NOTE NO. 3)

C. COMBINED VOLTAGE DROP ON FEEDER AND BRANCH CIRCUIT TO THE FURTHEST DEVICE OUTLET / UTILIZATION EQUIPMENT SHALL NOT EXCEED 5%

D. EQUIPMENT GROUND CONDUCTORS SHALL BE UPSIZED AS REQUIRED PER NEC ARTICLE 250.122.(B).

WHERE THE CONDUCTOR LENGTH FROM THE PANEL TO THE FIRST OUTLET ON A 120 VOLT CIRCUIT EXCEEDS 50 FEET, THE BRANCH CIRCUIT CONDUCTORS FROM THE PANEL TO THE FIRST OUTLET SHALL NOT BE SMALLER THAN #10 AWG.

WHERE THE CONDUCTOR LENGTH FROM THE PANEL TO THE FIRST OUTLET ON A 277 VOLT CIRCUIT EXCEEDS 125 FEET, THE BRANCH CIRCUIT CONDUCTORS FROM THE PANEL TO THE FIRST OUTLET SHALL NOT BE SMALLER THAN #10 AWG.

SCOPE OF WORK

LOW-VOLTAGE SYSTEMS:
SCOPE OF WORK FOR THIS PROJECT INCLUDES INFRASTRUCTURE ONLY (BACK BOXES, CONDUIT, PULL STRING, ETC) AS INDICATED IN THE DOCUMENTS. ANY REFERENCES TO CABLES, FACEPLATES, CONNECTIONS, ETC. ARE INCLUDED FOR REFERENCE ONLY. REFER TO SPECIAL SYSTEMS VENDOR'S DRAWINGS FOR COORDINATION PURPOSES.

FIRE ALARM: CONTRACTOR SHALL BE RESPONSIBLE TO HAVE A FIRE ALARM CONTRACTOR APPROVED BY THE AUTHORITY HAVING JURISDICTION PROVIDE FIRE ALARM DEVICES AND FIRE ALARM WIRING TO MEET NECESSARY CODE REQUIREMENTS. FIRE ALARM INSTALLER SHALL PREPARE NECESSARY DESIGN DOCUMENTS AND SUBMIT TO THE AUTHORITY HAVING JURISDICTION.

APPLICABLE CODES (FL)

LISTED BELOW ARE THE CURRENT ADOPTED CODES:

NFPA 70 – 2020; NATIONAL ELECTRICAL CODE
NFPA 72 – 2013; NATIONAL FIRE ALARM AND SIGNALING CODE
NFPA 101; NATIONAL LIFE SAFETY CODE – CURRENT EDITION
FBC; FLORIDA BUILDING CODE – CURRENT EDITION
FLORIDA ENERGY CONSERVATION CODE - CURRENT EDITION

ELECTRICAL EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE NEMA, UL AND OTHER ACCEPTABLE 3RD PARTY TESTING AGENCY, IEEE, ANSI AND ICEA STANDARDS.

ANY WORK WHICH DEVIATES FROM SUCH STANDARDS SHALL BE RECTIFIED TO THE SATISFACTION OF THE GOVERNING AUTHORITY. THE REQUIREMENTS OF GOVERNING AUTHORITIES SHALL SUPERSEDE THE DRAWINGS AND SPECIFICATIONS IN ALL CASES. THE ENGINEER SHALL BE NOTIFIED BY WRITTEN CHANGE ORDER BEFORE SUCH WORK IS STARTED. NON-FAMILIARITY WITH GOVERNING RULES AND REGULATIONS SHALL NOT BE CAUSE FOR AN EXTRA CHARGE IN THE EVENT THAT WORK MUST BE REPLACED FOR NONCOMPLIANCE.

SYMBOLS - ELECTRICAL

GENERAL

NOTE: ALL MAY NOT BE USED.

- HOMERUN TO PANELBOARD - NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- (J) (J) JUNCTION BOX, CEILING-MOUNTED AND WALL-MOUNTED RESPECTIVELY, SIZED PER NEC
- (B) DEVICE BOX WITH BLANK FACEPLATE

POWER

- T OR DRY-TYPE DISTRIBUTION TRANSFORMER; FLOOR MTD or TRAPEZE / WALL HUNG AS INDICATED ON PLANS
- 208Y/120V PANELBOARD OR 240V PANELBOARD
- 480Y/277V PANELBOARD
- SERVICE OR EQUIPMENT GROUND
- SPD SURGE PROTECTIVE DEVICE
- DUPLEX RECEPTACLE, 20 AMP, 120V
- DUPLEX RECEPTACLE MOUNTED HIGH, ABOVE COUNTER / BACKSPLASH OR AS INDICATED; SEE "MOUNTING HEIGHTS" THIS SHEET
- QUADRAPLEX RECEPTACLE, 20 AMP, 120V
- QUADRAPLEX RECEPTACLE MOUNTED HIGH, ABOVE COUNTER / BACKSPLASH OR AS INDICATED; SEE "MOUNTING HEIGHTS" THIS SHEET
- DEDICATED SINGLE RECEPTACLE, SUBSCRIPT INDICATES AMPERAGE/NEMA RATING
- $_{C}$ CEILING MOUNTED DUPLEX RECEPTACLE, 20 AMP, 120V
- SWITCHED RECEPTACLE
- $_{D}$ DROP CORD RECEPTACLE - SUBSCRIPT INDICATES AMPERAGE/NEMA RATING; RECEPTACLE TO HANG AT 8'-0" AFF UON
- INDICATES 50% OF POWER OUTLETS IN DEVICE PERMANENTLY LABELED AS "CONTROLLED" AND CONNECT TO LOCAL OCCUPANCY CONTROLS FOR AUTOMATIC SHUT-OFF
- INDICATES 100% OF POWER OUTLETS IN DEVICE PERMANENTLY LABELED AS "CONTROLLED" AND CONNECT TO LOCAL OCCUPANCY CONTROLS FOR AUTOMATIC SHUT-OFF

** TYPICAL SUBSCRIPTS FOR RECEPTACLES:

D	= DEDICATED CIRCUIT	REF	= REFRIGERATOR
EWC	= ELECTRIC WATER COOLER	T	= TVSS
GFI	= GROUND FAULT INTERRUPTER TYPE	TP	= TAMPERPROOF
IG	= ISOLATED GROUND	USB	= DUPLEX WITH (1) USB-A AND (1) USB-C PORT
MW	= MICROWAVE	UC	= UNDERCOUNTER
		WP	= WEATHERPROOF/WEATHER RESISTANT

- TWO-COMPARTMENT RACEWAY FOR POWER AND DATA OUTLETS; BASIS OF DESIGN: LEGRAND 4000 SERIES, ALUMINUM, POWDER-COATED FINISH
- FLUSH MOUNTED FLOOR DEVICE - FLOOR BOX OR POKE-THRU; SUBSCRIPT INDICATES TYPE, **SEE FLOOR DEVICE SCHEDULE FOR REQUIREMENTS**
- P|D FURNITURE SYSTEMS POWER AND DATA FEED - FLUSH MOUNTED FLOORBOX OR POKE-THRU (WIREMOLD #4FFATCA - BASIS OF DESIGN), # OF CIRCUITS AS SHOWN ON PLANS; PROVIDE 3/4"C FOR POWER AND 1-1/2"C FOR DATA

A1 FLUSH MOUNTED FLOOR DEVICE -FLOOR BOX WITH (2) DUPLEX RECEPTACLES AND PROVISIONS FOR DATA/AV; PROVIDE WIREMOLD #RFBA6C30OG WITH (2) #RFBADP, (1) #RFBADEC, (1) #RFBAB. PROVIDE FLUSH STYLE, ROUND COVER IN BLACK FINISH (#6CTCBK), PROVIDE (1) 1-1/4" FOR AV, (1) 3/4" FOR POWER, AND (1) 1-1/4" FOR TELE/DATA. ROUTE AV AND TELE/DATA CONDUIT TO ACCESSIBLE CEILING SPACE. PROVIDE 1-1/4" CONDUIT FROM AV KNOCKOUT TO AV BOX BEHIND TV IN ROOM

A2 FLUSH MOUNTED FLOOR DEVICE -FLOOR BOX WITH (2) DUPLEX RECEPTACLES AND PROVISIONS FOR DATA; PROVIDE WIREMOLD #RFBA6C30OG WITH (2) #RFBADP, (2) #RFBAB. PROVIDE FLUSH STYLE, ROUND COVER IN BLACK FINISH (#6CTCBK), PROVIDE (1) 3/4" FOR POWER AND (1) 1-1/4" FOR TELE/DATA. ROUTE TELE/DATA CONDUIT TO ACCESSIBLE CEILING SPACE

B1 FLUSH MOUNTED POKE-THROUGH WITH (2) DUPLEX RECEPTACLES AND PROVISIONS FOR DATA/AV; PROVIDE WIREMOLD #8ATC2P-BK / 8CT2-BK WITH (1) # 8AC76A, (1)#BB, (1) #6DP. PROVIDE (1) 1-1/4" FOR AV, (1) 3/4" FOR POWER, AND (1) 1-1/4" FOR TELE/DATA. ROUTE AV AND TELE/DATA CONDUIT TO ACCESSIBLE CEILING SPACE. PROVIDE 1-1/4" CONDUIT FROM AV KNOCKOUT TO AV BOX BEHIND TV IN ROOM

B2 FLUSH MOUNTED POKE-THROUGH WITH (2) DUPLEX RECEPTACLES AND PROVISIONS FOR DATA; PROVIDE WIREMOLD #8ATC2P-BK / 8CT2-BK WITH (2) #8B, (1) #6DP. PROVIDE (1) 3/4" FOR POWER AND (1) 1-1/4" FOR TELE/DATA. ROUTE TELE/DATA CONDUIT TO ACCESSIBLE CEILING SPACE

- FURNITURE SYSTEMS POWER FEED, THRU-WALL (OR COLUMN), # OF CIRCUITS AS SHOWN ON PLANS, VERIFY LOCATION AND REQUIREMENTS WITH FURNITURE VENDOR PRIOR TO STARTING WORK
- FURNITURE SYSTEMS DATA FEED, WALL OR COLUMN MOUNTED SINGLE GANG BOX. PROVIDE 1-1/2" CONDUIT ROUTED TO ACCESSIBLE CEILING SPACE, PROVIDE PLASTIC RING AT END OF CONDUIT, PROVIDE PULL STRING, VERIFY LOCATION AND REQUIREMENTS WITH FURNITURE VENDOR PRIOR TO STARTING WORK
- P FURNITURE SYSTEMS POWER/DATA POLE W/ DIVIDER, ROUTE POWER TO JUNCTION BOX ABOVE ACCESSIBLE CEILING. VERIFY EXACT LOCATION AND REQUIREMENTS WITH SYSTEM'S SUPPLIER AND WITH LOW VOLTAGE VENDOR PRIOR TO ROUGH-IN. MAKE FINAL CONNECTIONS AS REQUIRED.
- PP POWER POLE, SUBSCRIPT INDICATES TYPE, SEE PLANS FOR REQUIREMENTS
- MOTOR CONNECTION - HP AS INDICATED
- $_{3}$ MOTOR STARTER OR CONTROLLER. SUBSCRIPT INDICATES NEMA MOTOR SIZE.
- $_{30/3/30/3R}$ FUSED SAFETY SWITCH. SUBSCRIPT, IF USED, INDICATES AMPERAGE RATING / POLES / FUSE / SIZE / NEMA RATING
- $_{30/3/3R}$ NON-FUSED SAFETY SWITCH. SUBSCRIPT IF USED, INDICATES AMPERAGE RATING / POLES / NEMA RATING
- $_{3}$ COMBINATION MOTOR STARTER. FUSE SIZE AS INDICATED ON DRAWINGS. SUBSCRIPT INDICATES NEMA MOTOR SIZE
- $_{30/3}$ CIRCUIT BREAKER MOUNTED IN ENCLOSURE. FLUSH-MOUNTED OR SURFACE-MOUNTED AS NOTED. SUBSCRIPT IF USED, INDICATES TRIP RATING / POLES, AIC RATING AS INDICATED ON DRAWINGS
- $_{T}$ MOTOR RATED, HEAVY DUTY TOGGLE SWITCH
- REMOTE START-STOP PUSHBUTTON STATION
- EPO (POWER KILL SWITCH)

SYMBOLS - ELECTRICAL (CONTINUED)

SYMBOLS - LIGHTING

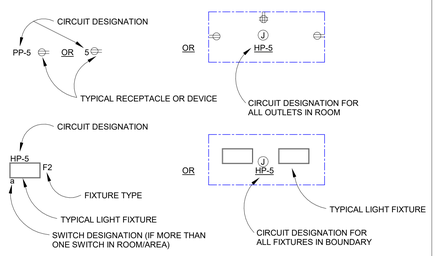
NOTE: ALL MAY NOT BE USED.

- TYPICAL LUMINAIRE (NOT ALL SYMBOLS USED ARE SHOWN)
  - SUBSCRIPT INDICATES FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE)
  - HATCH, FIXTURE TYPE, OR SUBSCRIPT "EM" INDICATES FIXTURE CONNECTED TO GENERATOR SUPPLIED CIRCUIT AS INDICATED ON DRAWINGS
- TRACK LIGHTING, LENGTH AS SHOWN ON DRAWINGS, QUANTITY OF HEADS AS SHOWN ON DRAWINGS
- EMERGENCY BATTERY PACK UNIT
- COMBINATION EXIT/ EMERGENCY BATTERY PACK UNIT
- EXIT SIGN, SINGLE-FACED AND DOUBLE-FACED RESPECTIVELY. SHADED AREA REPRESENTS FACE. PROVIDE WITH ARROWS AS INDICATED
- EXTERIOR POLE MOUNTED LIGHTING FIXTURE, SUBSCRIPT INDICATES TYPE (SEE LIGHTING FIXTURE SCHEDULE)
- EXTERIOR LIGHTING FIXTURE, POST TOP MOUNTED OR BOLLARD, SUBSCRIPT INDICATES TYPE (SEE LIGHTING FIXTURE SCHEDULE)
- OC CEILING MOUNTED OCCUPANCY SENSOR
- DS DAYLIGHT DIMMING SENSOR
- LC LIGHTING CONTROLLER / POWER PACK
- TC 7-DAY, 24HR DIGITAL TIMECLOCK
- WALL MOUNTED OCCUPANCY SENSOR
- $S WALL-MOUNTED SINGLE POLE SWITCH WITH ON/OFF CONTROL
- $_{M}$ WALL-MOUNTED OCCUPANCY SENSOR SWITCH WITH (1) BUTTON, ON/OFF
- $_{M2}$ WALL-MOUNTED OCCUPANCY SENSOR SWITCH WITH DUAL RELAYS FOR INBOARD/OUTBOARD SWITCHING
- $_{MD}$ WALL-MOUNTED OCCUPANCY SENSOR SWITCH WITH RAISE/LOWER DIMMING
- $_{D*}$ DIMMER SWITCH, ALL ON/ALL OFF/RAISE/LOWER, * INDICATES NUMBER OF ZONES
- $_{3a}$ THREE WAY SWITCH (LOWERCASE SUBSCRIPT, IF SHOWN, INDICATES FIXTURE CONTROLLED)
- $_{4a}$ FOUR WAY SWITCH (LOWERCASE SUBSCRIPT, IF SHOWN, INDICATES FIXTURE CONTROLLED)
- $_{K}$ SINGLE POLE SWITCH, KEY OPERATED
- $_{K3}$ THREE WAY SWITCH, KEY OPERATED
- $_{OR}$ OVERRIDE SWITCH (FOR RELAY CONTROLLED LIGHTING)
- $_{PS}$ 5-BUTTON PROGRAMMABLE SWITCH
- $_{DT}$ DIGITAL TIME SWITCH WITH VISUAL AND AUDIBLE TIME-OUT WARNING, MINIMUM 3 SETTINGS

SYMBOLS - ONE LINE DIAGRAM

- TRANSFORMER
- GROUND CONNECTION
- (M) POWER METER, NO. AS INDICATED.
- AF / AT CIRCUIT BREAKER - FRAME/TRIP AMPERE RATING AS INDICATED
- MOTOR, HORSEPOWER AS INDICATED
- AF/AS SWITCH - FRAME/SWITCH AMPERE RATING AS INDICATED
- FUSE , FUSE SIZE AS INDICATED (50A)
- DM DIGITAL METER
- A METERING DEVICES: A-AMMETER, V-VOLTMETER, PF-POWER FACTOR, HZ-FREQUENCY METER
- N L E AUTOMATIC TRANSFER DEVICE
- SPD SURGE PROTECTIVE DEVICE
- GFP GROUND FAULT PROTECTION

LEGEND - TYPICAL CIRCUITING



MOUNTING HEIGHTS

HEIGHTS INDICATED ON PLANS TAKE PRECEDENCE WHERE NOT INDICATED ON PLANS, THE FOLLOWING SHALL BE MET. DISTANCE IS FROM FINISHED FLOOR TO CENTER OF DEVICE, UON

RECEPTACLES:

GENERAL	18"	UNLESS OTHERWISE NOTED
ABVE 36" COUNTER TOPS	44"	MOUNT HORIZONTALLY, UNLESS OTHERWISE NOTED
ABOVE OR ADJACENT TO LAVATORIES	44"	UNLESS OTHERWISE NOTED
BEHIND REFRIGERATORS	52"	UNLESS OTHERWISE NOTED
BEHIND WASHERS/DRYERS	44"	UNLESS OTHERWISE NOTED
LIGHT SWITCHES/OCCUPANCY WALL SWITCHES	44"	

COMMUNICATIONS OUTLETS:

TELE/DATA OUTLETS		SAME AS ADJACENT RECEPTACLE
ABOVE COUNTER TOPS	44"	MOUNT HORIZONTALLY, WHERE NOTED ON PLANS
CABLE TV OUTLETS		SAME AS ADJACENT RECEPTACLE
AUDIO-VISUAL OUTLETS		SAME AS ADJACENT RECEPTACLE

NOTES:

1) FOR ALL DEVICES LOCATED IN CMU WALL, INSTALL BOXES AS FOLLOWS: THE TOP OF THE BOX SHALL MATCH THE TOP OF THE BLOCK COURSING. MOUNT BOXES AT 48" TO TOP FOR SWITCHES AND 16" TO BOTTOM OF BOXES FOR OUTLETS. WHERE OUTLETS ARE SHOWN TO BE MOUNTED HIGH, ADJUST HEIGHT AS REQUIRED TO TOP OF BLOCK COURSING.

2) WHERE CARD READERS AND LIGHT SWITCHES ARE LOCATED NEXT TO EACH OTHER AT A DOOR, CARD READER SHALL BE MOUNTED NEXT TO DOOR. CONFIRM EXACT HEIGHT AND LOCATION OF CARD READERS WITH ARCHITECT PRIOR TO ROUGH-IN.

3) COMPLY WITH ANSI A117.1 AT ALL LOCATIONS.

ELECTRICAL SHEET INDEX

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E0.0	ELECTRICAL COVERSHEET
E0.1	ELECTRICAL SITE PLAN
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E1.2	POWER PLAN - LEVEL 02 - BUILDING 1
E1.3	POWER PLAN - LEVEL 01 - BUILDING 2
E1.4	POWER PLAN - LEVEL 02 - BUILDING 2
E1.5	POWER PLAN - LEVEL 01 - BUILDING 3
E1.6	POWER PLAN - LEVEL 01 - BUILDING 4
E1.7	POWER PLAN - LEVEL 01 - BUILDING 5
E1.8	POWER PLAN - LEVEL 02 - BUILDING 5
E1.9	POWER PLAN - LEVEL 01 - BUILDING 6
E2.1	LIGHTING PLAN - LEVEL 01 - BUILDING 1
E2.2	LIGHTING PLAN - LEVEL 02 - BUILDING 1
E2.3	LIGHTING PLAN - LEVEL 01 - BUILDING 2
E2.4	LIGHTING PLAN - LEVEL 02 - BUILDING 2
E2.5	LIGHTING PLAN - LEVEL 01 - BUILDING 3
E2.6	LIGHTING PLAN - LEVEL 01 - BUILDING 4
E2.7	LIGHTING PLAN - LEVEL 01 - BUILDING 5
E2.8	LIGHTING PLAN - LEVEL 02 - BUILDING 5
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E3.5	MECHANICAL POWER PLAN - LEVEL 01 - BUILDING 3
E3.6	MECHANICAL POWER PLAN - LEVEL 01 - BUILDING 4
E3.7	MECHANICAL POWER PLAN - LEVEL 01 - BUILDING 5
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E5.3	ELECTRICAL DETAILS
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E8.6	PANELBOARD SCHEDULES - BUILDING 2
E8.7	PANELBOARD SCHEDULES - BUILDING 3
E8.8	PANELBOARD SCHEDULES - BUILDING 3
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E8.10	PANELBOARD SCHEDULES - BUILDING 4
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E8.12	PANELBOARD SCHEDULES - BUILDING 5
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FIRE ALARM SHEET INDEX

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FA1.4	FIRE ALARM PLAN - LEVEL 2 - BUILDING 2
FA1.5	FIRE ALARM PLAN - LEVEL 1 - BUILDING 3
FA1.6	FIRE ALARM PLAN - LEVEL 1 - BUILDING 4
FA1.7	FIRE ALARM PLAN - LEVEL 1 - BUILDING 5
FA1.8	FIRE ALARM PLAN - LEVEL 2 - BUILDING 5
FA1.9	FIRE ALARM PLAN - LEVEL 1 - BUILDING 6
FA5.0	FIRE ALARM DETAILS

TECHNOLOGY SHEET INDEX

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T5.3	TECHNOLOGY DETAILS
T5.4	TECHNOLOGY DETAILS
T6.1	TECHNOLOGY RISER DIAGRAMS

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
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SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

1	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

ELECTRICAL COVERSHEET

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E0.0

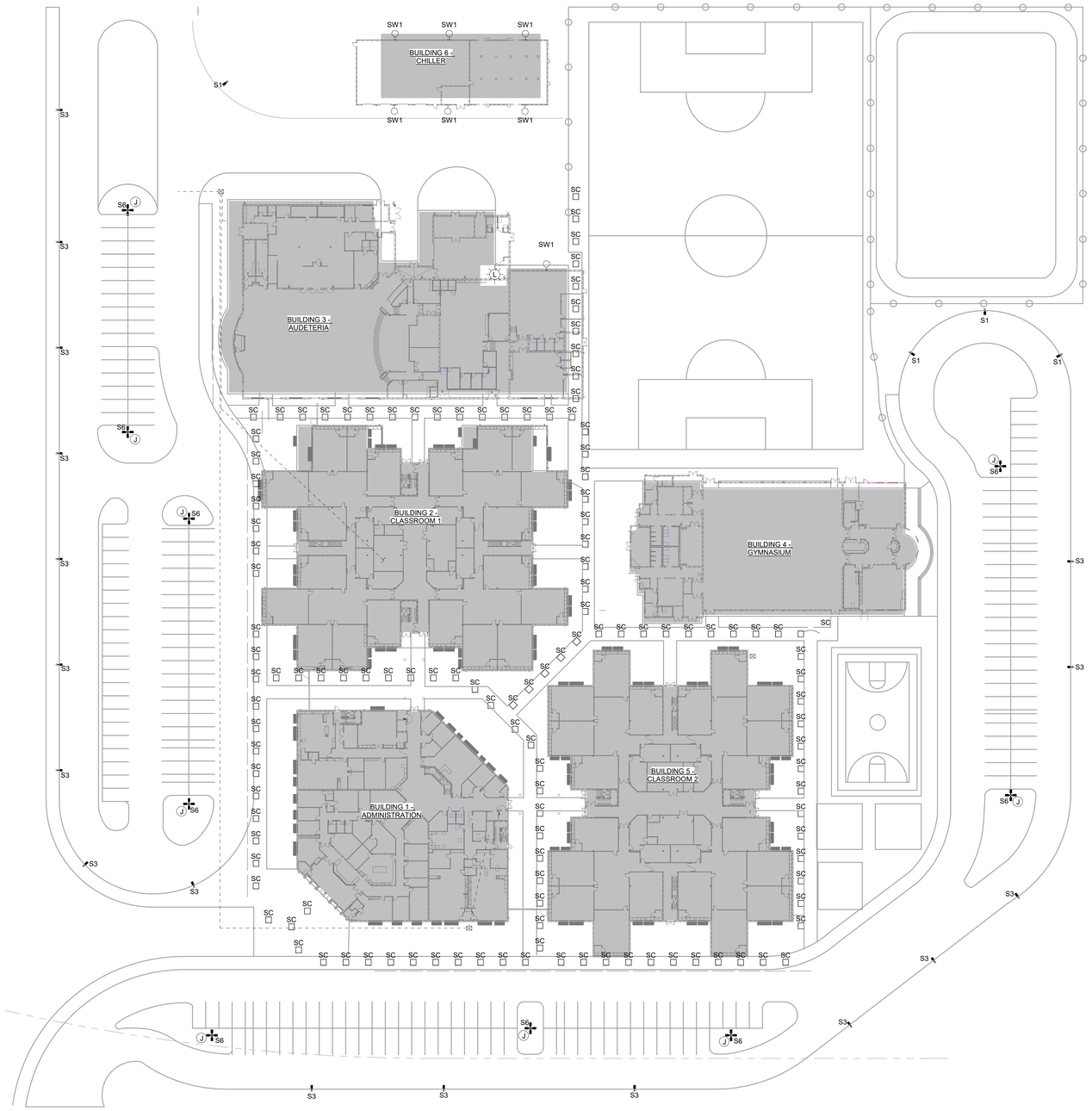
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Autodesk Docs://26K014 - St Lucie PS - Green Zone K-8/26K014 - St Lucie Green Zone_Ev26.rvt

DRAWN BY:Author CHECKED BY:Checker

3"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"



1 E0.1 ELECTRICAL SITE PLAN
1" = 40'-0"

GENERAL NOTES - SITE

A. COORDINATE DEPTH OF TRENCHING AND CONDUITS INSTALLATION WITH EXISTING UTILITY LOCATIONS. INSTALL CONDUITS BELOW WATER PIPING WHERE CROSSINGS OCCUR. CONDUITS NOT TO RISE ABOVE MINIMUM DEPTH OF 18" BELOW GRADE. CONTRACTOR SHALL CONTACT FLORIDA 811 (1-800-432-4770) 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO VERIFY LOCATION OF AND PREVENT DISTURBANCE OF ANY EXISTING UTILITIES IN WORK AREA AND PROVIDE IMMEDIATE TEMPORARY SERVICE TO ANY DAMAGED UTILITIES.

B. CONCRETE ENCASE SERVICE CONDUITS THAT ARE INSTALLED BENEATH ROADS/DRIVEWAYS. CONCRETE ENCASEMENT TO EXTEND A MINIMUM OF 1'-0" BEYOND THE WIDTH OF THE ROAD/DRIVEWAY ON BOTH SIDES.

C. FLORIDA POWER AND LIGHT (FPL) PAD-MOUNTED UTILITY TRANSFORMER: CONTRACTOR TO COORDINATE FINAL LOCATION AND CONNECTIONS WITH UTILITY COMPANY. CONTRACTOR TO PROVIDE 104"x98" LARGE PIT PAD PER LATEST PUBLISHED DUKE ENERGY STANDARDS. PROTECTIVE POLES ARE REQUIRED AROUND THE TRANSFORMER. REFER TO DETAIL ON CIVIL DRAWINGS. COMPLY WITH ALL CLEARANCE REQUIREMENTS AS PER DUKE ENERGY STANDARDS.

D. CONTRACTOR SHALL PROVIDE CONDUIT PATHWAYS AND TRENCHING FOR PRIMARY AND SECONDARY CONDUCTORS. ALL WORK SHALL BE IN ACCORDANCE WITH UTILITY STANDARDS AND REQUIREMENTS.

E. COMMUNICATIONS UTILITY CONNECTION: PROVIDE (3) 4" CONDUITS WITH NYLON PULL STRINGS FROM MAIN TTB TO PULLBOX 5' OUTSIDE OF BUILDING. PROVIDE PROTECTIVE RINGS AT CONDUIT AND STUB-UP INTO DEMARC ROOM. CONTINUE CONDUIT RUN TO UTILITY MANHOLE AT PUBLIC STREET BY UTILITY COMPANY. MAKE CONNECTIONS PER UTILITY COMPANY REQUIREMENTS. COORDINATE FINAL LOCATION, INSTALL, AND ROUTING WITH CIVIL PLANS AND TELECOM UTILITY REQUIREMENTS, PRIOR TO STARTING WORK.

F. E.C. SHALL COORDINATE WITH ALL TRADES AND UTILITY COMPANY PRIOR TO STARTING WORK.

G. ALL CONDUITS ON SITE UNDERGROUND SHALL BE MINIMUM 1".

H. ALL SITE BRANCH CIRCUITS SHALL BE ROUTED IN JOINT TRENCH WITH SITE LIGHTING WHEN POSSIBLE.

I. ALL JUNCTION BOXES AND OUTLETS SHALL BE WEATHER-RESISTANT. ALL EXTERIOR OUTLETS SHALL BE GFCI PROTECTED.

J. THE DESIGN INTENT IS FOR ALL EXTERNAL LIGHTING TO BE LOCATED ON AND BE DIRECTED ON TO THE PROPERTY ONLY. CONTRACTOR'S INSTALLATION SHALL ENSURE NO LIGHT TRESPESS PAST PROPERTY LINES. ALL EXTERIOR LIGHTING SHALL BE IN ACCORDANCE WITH LOCAL ZONING ORDINANCE REQUIREMENTS.

FENCE GROUNDING NOTES

A. SEE SHEET C100 FOR FENCE LOCATIONS AND STYLES.

B. GROUND FENCES EVERY 100'. SEE DETAILS FOR GROUNDING ON SHEET E0.3.

KEYED NOTES

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
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SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE
1		

FOR BID: DD/MM/YYYY

DRAWING TITLE:

ELECTRICAL SITE PLAN

COMMISSION NUMBER:

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RSX2 LED
Area Luminaire

Catalog Number
Notes
Type

Specifications

EPA (ft²@0°): 0.69 ft² (0.06 m²)
Length: 29.3" (74.4 cm) (SPA mount)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body, 7.2" (18.3 cm) Arm
Weight: (SPA mount) 30.0 lbs (13.6 kg)



Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Design Select options indicated by this color background.

Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

RSX2 LED	40K		MVOLT	
Series	**Performance Package**	**Color Temperature**	**Distribution**	**Voltage**	**Mounting**
RSX2 LED	P1	30K 3000K	R2 Type 2 Wide	MVOLT (120V-277V) [1]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°)
	P2	40K 4000K	R3 Type 3 Wide	HVOLT (347V-480V) [1]	RPA Round pole mounting (3.0" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°)
	P3	50K 5000K	R4 Type 4 Wide		MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) [4]
	P4		R4S Type 4 Short	Low-specific voltage for options as noted)	IS Adjustable slipfitter (fits 2-3/8" OD tenon) [4]
	P5		R5 Type 5 Wide	120 [2] 277 [2]	WBA Wall bracket [3]
	P6		R5S Type 5 Short [3]	208 [2] 347 [2]	WBASC Wall bracket with surface conduit box
			AFR Automotive Front Row	240 [2] 480 [2]	AASP Adjustable tilt arm square pole mounting [4]
			AFRRW Automotive Front Row Right Rotated		AARP Adjustable tilt arm round pole mounting [4]
			AFRLW Automotive Front Row Left Rotated		AAWB Adjustable tilt arm wall bracket [4]
					AAWSC Adjustable tilt arm wall bracket and surface conduit box [4]

Options		Finish	
Shipped Installed		DDBXD	Dark Bronze
HS	House-side shield [5]	DBLXD	Black
PE	Photocontrol, button style [6,7]	DNAXD	Natural Aluminum
PER7	Seven-wire twist-lock receptacle only (no controls) [7, 8, 9]	DWHXD	White
SF	Single fuse (120, 277, 347) [1]	DDBTXD	Textured Dark Bronze
DF	Double fuse (208, 240, 480) [1]	DBLBXD	Textured Black
SPD20KV	20KV surge pack (10KV standard)	DMATXD	Textured Natural Aluminum
FAO	Field adjustable output [10]	DWHGXD	Textured White
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) [11]		
DS	Dual switching [12]		

Shipped Installed
***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**
NLTAIR2 PIRHN nLight AIR generation 2 ,with Networked, Bi-Level motion/ambient sensor [13, 14, 15]
BAA Buy America(n) Act and/or Build America Buy America Qualified
CCE Coastal Construction [16]
*Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone dimming sensor with out-of-box settings or as a wireless networked solution. See factory default settings table. Sensor coverage pattern is affected when luminaire is tilted.

Shipped Separately (requires same field assembly)
EGS External glare shield [1]
EGFV External glare full visor (360° around light aperture) [1]
BS Bird spikes [17]

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	30K (3000K, CRI 70)					40K (4000K, CRI 70)					50K (5000K, CRI 70)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	71W	R2	10,040	2	0	1	139	11,031	2	0	1	155	11,031	2	0	1	155
		R3	10,085	2	0	2	141	10,992	2	0	2	155	10,992	2	0	2	155
		R3S	10,271	2	0	2	143	11,285	2	0	2	157	11,285	2	0	2	157
		R4	10,136	2	0	2	143	11,136	2	0	2	157	11,136	2	0	2	157
		R4S	9,779	2	0	2	138	10,744	2	0	2	151	10,744	2	0	2	151
		R5	10,273	4	0	2	145	11,285	4	0	2	159	11,285	4	0	2	159
		R5S	10,544	3	0	1	149	11,585	3	0	2	163	11,585	3	0	2	163
		AFR	10,626	2	0	1	141	11,896	2	0	1	155	11,896	2	0	1	155
		AFRRW	10,522	3	0	2	140	11,121	3	0	2	154	11,121	3	0	2	154
		AFRLW	10,564	3	0	2	141	11,167	3	0	2	155	11,167	3	0	2	155
P2	111W	R2	15,712	2	0	2	138	17,263	2	0	2	155	17,263	2	0	2	155
		R3	15,657	2	0	3	141	17,202	3	0	3	155	17,202	3	0	3	155
		R3S	16,075	2	0	3	141	17,663	2	0	3	155	17,663	2	0	3	155
		R4	15,862	2	0	3	143	17,427	2	0	3	157	17,427	2	0	3	157
		R4S	15,304	2	0	2	138	16,815	2	0	2	151	16,815	2	0	2	151
		R5	16,675	4	0	2	145	17,663	5	0	3	159	17,663	5	0	3	159
		R5S	16,502	4	0	2	149	18,130	4	0	2	163	18,130	4	0	2	163
		AFR	15,691	2	0	2	141	17,240	2	0	2	155	17,240	2	0	2	155
		AFRRW	15,841	3	0	3	139	17,404	4	0	3	155	17,404	4	0	3	155
		AFRLW	15,907	3	0	3	139	17,477	4	0	3	153	17,477	4	0	3	153
P3	147W	R2	19,855	3	0	3	132	21,814	3	0	3	145	21,814	3	0	3	145
		R3	19,785	3	0	3	135	21,737	3	0	4	148	21,737	3	0	4	148
		R3S	20,312	3	0	3	135	22,317	3	0	3	149	22,317	3	0	3	149
		R4	20,044	3	0	3	136	22,022	3	0	4	150	22,022	3	0	4	150
		R4S	19,339	3	0	3	132	21,247	3	0	3	145	21,247	3	0	3	145
		R5	20,113	5	0	3	138	22,117	5	0	3	152	22,117	5	0	3	152
		R5S	20,852	4	0	2	142	22,918	4	0	2	156	22,918	4	0	2	156
		AFR	19,828	3	0	2	135	21,785	3	0	2	148	21,785	3	0	2	148
		AFRRW	20,017	4	0	3	133	21,992	4	0	3	147	21,992	4	0	3	147
		AFRLW	20,101	4	0	3	134	22,084	4	0	3	147	22,084	4	0	3	147
P4	187W	R2	22,836	3	0	2	126	25,090	3	0	2	172	25,090	3	0	2	172
		R3	22,756	3	0	4	122	25,002	3	0	4	134	25,002	3	0	4	134
		R3S	23,363	3	0	3	125	25,668	3	0	3	137	25,668	3	0	3	137
		R4	23,054	3	0	4	123	25,329	3	0	4	135	25,329	3	0	4	135
		R4S	22,241	3	0	3	120	25,059	3	0	3	134	25,059	3	0	3	134
		R5	23,163	5	0	3	125	25,669	5	0	4	137	25,669	5	0	4	137
		R5S	23,983	4	0	2	128	26,700	4	0	2	143	26,700	4	0	2	143
		AFR	22,806	3	0	2	122	25,056	3	0	2	134	25,056	3	0	2	134
		AFRRW	23,030	4	0	3	123	25,305	4	0	3	135	25,305	4	0	3	135
		AFRLW	23,120	4	0	3	122	25,401	4	0	3	134	25,401	4	0	3	134
P5	216W	R2	26,447	3	0	3	123	29,223	3	0	3	135	29,223	3	0	3	135
		R3	26,047	3	0	4	121	28,620	3	0	4	133	28,620	3	0	4	133
		R3S	26,798	3	0	4	124	29,447	3	0	4	136	29,447	3	0	4	136
		R4	26,442	3	0	4	123	29,094	3	0	4	135	29,094	3	0	4	135
		R4S	25,582	3	0	3	120	28,274	3	0	3	133	28,274	3	0	3	133
		R5	26,744	4	0	4	127	29,583	5	0	4	140	29,583	5	0	4	140
		R5S	27,454	4	0	2	131	30,163	4	0	2	144	30,163	4	0	2	144
		AFR	26,106	3	0	2	124	28,662	3	0	2	137	28,662	3	0	2	137
		AFRRW	26,354	4	0	3	123	28,955	5	0	3	136	28,955	5	0	3	136
		AFRLW	26,463	4	0	3	124	29,077	5	0	3	136	29,077	5	0	3	136
P6	244W	R2	27,446	3	0	2	112	30,374	3	0	2	123	30,374	3	0	2	123
		R3	27,249	3	0	4	111	30,267	3	0	4	124	30,267	3	0	4	124
		R3S	28,283	3	0	3	115	31,075	3	0	4	126	31,075	3	0	4	126
		R4	27,909	3	0	4	114	30,663	3	0	4	126	30,663	3	0	4	126
		R4S	26,928	3	0	3	110	29,585	3	0	3	121	29,585	3	0	3	121
		R5	28,284	5	0	4	116	31,075	5	0	4	127	31,075	5	0	4	127
		R5S	29,015	4	0	2	119	31,990	5	0	3	131	31,990	5	0	3	131
		AFR	27,608	3	0	2	113	30,332	5	0	3	124	30,332	5	0	3	124
		AFRRW	27,872	4	0	3	113	30,622	5	0	3	124	30,622	5	0	3	124
		AFRLW	27,989	4	0	3	113	30,751	5	0	3	125	30,751	5	0	3	125

Ordering Information

Accessories
Ordered and shipped separately.

RSX2HS	RSX2 House-side shield (includes 2 shields)
RSX2EGS (FINISH) U	External glare shield (specify finish)
RSX2HSAFBK (FINISH) U	RSX2 House-side shields for AFR-styled optics (includes 2 shields)
RSX2EGFV (FINISH) U	External glare full visor (specify finish)
RSXRFA (FINISH) U	RSX External round pole adapter plate (specify finish)
RSXRPA (FINISH) U	RSX RPA wall bracket (specify finish) *
RSXSCB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 CUL U	Photocell - CUL twist-lock (120-277V) *
DLL347F 1.5 CUL U	Photocell - CUL twist-lock (347V) *
DSHORT SBK U	Photocell - CUL button type (480V) *
DSHORT SBK U	Shorting cap *

NOTES
1. Any Type 5 distribution, is not available with WBA.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3. HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4. MVOLT driver not available with P1. XVOLT driver operates on any line voltage from 120V-480V (50/60 Hz). HVOLT not available with fusing (SF or DF) and not available with P1.
5. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6. Maximum tilt is 90° above horizontal.
7. It may be ordered as an accessory.
8. Requires MVOLT or 347V.
9. Not available with P1. Photocontrols cannot be combined including PE, DMG, PER7, FAO, DS and NLTAIR2 PIRHN. (Exception: PE and PER7 can be combined; also PE and DMG can be combined.)
10. Compatible with standard twist-lock photocells for dusk to dawn operation. Not compatible with 0-10V dimming, nLight AIR or wireless signals. Wire 480hv 5-wired to dimming leads on driver. Wired NEMA 7 capped inside luminaire. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories, Shorting Cap included.
11. For units with option PER7, the mounting must be restricted to +/- 45° tilt in any direction (see page 3 for tilt diagrams).
12. Dual switching (comes standard on P5). DS provides 50/50 fixture operation via (2) different sets of leads wiring (2) drivers. DS only available with packages P5 and P6.
13. Requires MVOLT or 347V.
14. Requires MVOLT or HVOLT.
15. Must be ordered with NLTAIR2. For additional information on PIRHN see page 9.
16. CCE option not available with WBA, WBASC, AASP, AARP, AAWBC, EGS, EGFV and BS.
17. Must be ordered with fixture for factory pre-drilling.
18. Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields


House Side Shield


External Glare Shield


External 360 Full Visor

Pole/Mounting Informatioin

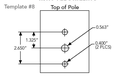
Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

HANDHOLE ORIENTATION



RSX POLE DRILLING

Template #8 Top of Pole



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	60 Degree	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	RPA, AARP	AS3-S 190	AS3-S 280	AS3-S 290	AS3-S 320	AS3-S 390	AS3-S 490
2-7/8"	RPA, AARP	AS725-190	AS725-280	AS725-290	AS725-320	AS725-390	AS725-490
4"	RPA, AARP	AS735-190	AS735-280	AS735-290	AS735-320	AS735-390	AS735-490

Drill/Side Location by Configuration Type

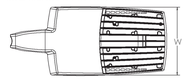
Drilling Template	Mounting Option	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side B, C & S
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX2 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	Tilt									
SPA - Square Pole Adapter	0°	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
RPA - Round Pole Adapter		0.74	1.27	1.37	1.9	1.71	2.49	1.42	2.16	2.84
MA - Mast Arm Adapter		0.61	1.14	1.11	1.64	1.45	2.23	1.29	1.9	2.58
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
	10°	0.53	1.06	1.05	1.58	1.37	2.08	1.06	1.59	2.12
	20°	0.52	1.02	1.03	1.52	1.33	2.02	1.03	1.55	2.07
	30°	0.64	1.15	1.18	1.63	1.45	2.21	1.27	1.91	2.54
	40°	0.81	1.21	1.35	1.74	1.65	2.39	1.62	2.43	3.23
	45°	0.91	1.25	1.5	1.81	1.75	2.48	1.82	2.73	3.64
	50°	1.34	1.83	2.17	2.61	2.56	3.62	2.68	4.02	5.36
	60°	2.2	2.97	3.57	4.24	4.17	5.89	4.41	6.61	8.82
	70°	2.86	4.15	4.7	5.89	5.71	8.21	5.71	8.57	11.42
	80°	3.4	5.15	5.67	7.34	7.09	10.21	6.79	10.19	13.59
	90°	3.85	5.96	6.55	8.58	8.31	11.88	7.70	11.56	15.41

RSX2 with Round Pole Adapter (RPA)

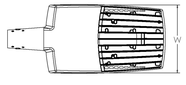


Length: 30.3" (77.0 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.3 cm) Arm

Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.



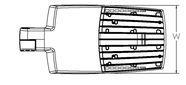
RSX2 with Mast Arm Adapter (MA)



7/16" locking thru bolt/nut provided

Length: 30.6" (77.7 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
3.5" (8.9 cm) Arm

RSX2 with Adjustable Slipfitter (IS)



7/8" KO - fits 1/2" NPT water- tight fitting

Length: 28.3" (71.9 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.6" (19.3 cm) Arm

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Dimensions & Weights

Luminaire Weight by Mounting Type

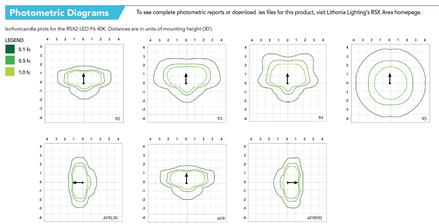
Mounting Configuration	Total Luminaire Weight
SPA	30 lbs
RPA	32 lbs
MA	30 lbs
WBA	33 lbs
WBASC	36 lbs
IS	33 lbs
AASP	33 lbs
AARP	33 lbs
AAWB	36 lbs
AAWSC	39 lbs

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepage.

Isofootcandle plots for the RSX2 LED P6 40K. Distances are in units of mounting height (30').

LEGEND
0.5 fc
1.0 fc



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

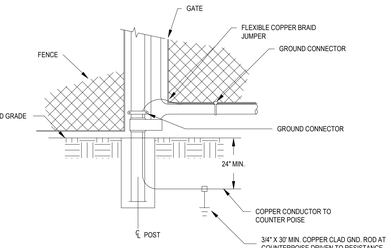
		Current (A)				
Performance Package	System Watts (W)	120V	208V	240V	277V	347V	480V
P1	71W	0.59	0.34	0.30	0.26	0.20	0.15
P2	111W	0.93	0.53	0.46	0.40	0.32	0.23
P3	147W	1.23	0.70	0.61	0.53	0.42	0.31
P4	187W	1.55	0.90	0.78	0.68	0.53	0.38
P5	219W	1.75	1.01	0.87	0.76	0.60	0.44
P6	244W	2.03	1.17	1.01	0.88	0.70	0.51

Projected LED Lumen Maintenance

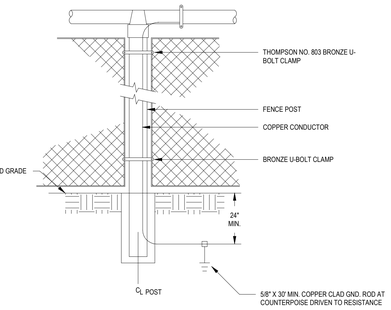
Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

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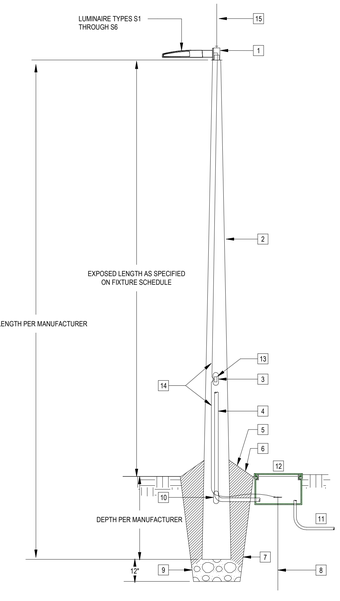


1 E0.3 TYP. FENCE MAIN GATE GROUNDING DETAIL
NOT TO SCALE



NOTE:
FENCE TO BE GROUNDED AT CENTERS NOTED ON DRAWING.

2 E0.3 TYP. FENCE POST GROUNDING DETAIL
NOT TO SCALE



3 E0.3 DIRECT BURIAL CONCRETE POLE INSTALLATION
NOT TO SCALE

CONCRETE POLE NOTES [X]:

1. 2-3/8" TENON (VERIFY) WITH PROVISION FOR WIRING, COORDINATE WITH POLE AND LUMINAIRE MANUFACTURER.
2. SQUARE TAPERED CONCRETE POLE; RISK CATEGORY II.
3. WIRING HANDHOLE - MINIMUM 3" x 5" WITH ALUMINUM COVER AND STAINLESS STEEL SCREWS.
4. TERMINATE CONDUIT INTERNALLY ADJACENT TO HANDHOLE.
5. SLOPE TO SURRONDING FINISHED GRADE.
6. COMPACTED BACKFEILD EQUAL TO EXISTING SURROUNDING AREA.
7. CONTRACTOR SHALL AUGER HOLE AT POLE LOCATION AS NOT TO DISTURB THE SURROUNDING EARTH. AUGER HOLE TO POLE MANUFACTURER RECOMMENDED DEPTH. FILL IN HOLE WITH EARTH AND COMPACT.
8. 5/8" x 10" COPPERWELD GROUND ROD AND #6 BARE CU. TO FIXTURE AND SURGE SUPPRESSER.
9. 12" COARSE GRAVEL SETTING BED AT BOTTOM OF AUGERED HOLE.
10. MINIMUM 3" x 5" CONDUIT ENTRANCE.
11. CONDUIT AND WIRE FROM/TO NEXT FIXTURE OR HOMERUN TO PANELBOARD.
12. HANDHOLE/PULLBOX, REQUIRED AT EACH POLE WITH GROUND ROD WITHIN.
13. PROVIDE SURGE SUPPRESSER IN EACH POLE HANDHOLE; PHASE TO GRD.; JOSLYN "SHA" SERIES WITH INDICATOR. COORDINATE VOLTAGE. ALSO PROVIDE FUSING.
14. #6 BARE CU. TO FIXTURE AND SURGE SUPPRESSOR.
15. LIGHTNING TERMINAL W/ #6 CU BRAIDED DOWNLEAD IN 3/4" IMC. CONNECT TO GROUND ROD.

GENERAL POLE NOTES:

1. PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR ALL EXTERIOR POLE MOUNTED FIXTURES WITH SIGNATURE AND SEAL OF A REGISTERED PROFESSIONAL ENGINEER VERIFYING THAT THE FOUNDATION AND POLE/FIXTURE ASSEMBLY MEETS OR EXCEEDS FLORIDA BUILDING CODE AND ANSI A58.1. THE EXTERIOR POLE MOUNTED LIGHT FIXTURE ASSEMBLIES SHALL BE CAPABLE OF WITHSTANDING WINDLOADS IN ACCORDANCE WITH ASCE 7-16. DESIGN WIND VELOCITY RATING SHALL MEET OR EXCEED THAT SHOWN ON STRUCTURAL PLANS.
2. EXPOSED CONDUIT AND J-BOXES ARE NOT ACCEPTABLE.
3. ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE.

CODE REVIEW:

CERTIFICATE:

spiezle

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
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JOHN F. WRIGHT AR103431
STEVE LEONE AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

#	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

SITE LIGHTING DETAILS AND CUTSHEETS

COMMISSION NUMBER:
26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E0.3

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"



1 E1.1 POWER PLAN - LEVEL 1 - BUILDING 1
1/8" = 1'-0"

GENERAL NOTES

A. ALL RECEPTACLES AND TELEPHONE/DATA OUTLETS SHALL BE FLUSH-MOUNTED. ALL CONDUIT AND RACEWAY SHALL BE CONCEALED, UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.

B. CONTRACTOR TO VERIFY ALL TELE/DATA LOCATIONS WITH OWNER, PRIOR TO ROUGH-IN.

C. **ALL 15- AND 20- AMPERE, 125- AND 250-VOLT NONLOCKING-TYPE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES, COMPLY WITH NEC 406.12.**

D. ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND ALL THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS LOCATED IN KITCHEN, SERVERY AREAS, AND AREAS WITH A SINK AND PERMANENT PROVISIONS FOR EITHER FOOD PREPARATION OR COOKING SHALL BE GFCI PROTECTED. WHERE RECEPTACLES ARE NOT ACCESSIBLE, PROVIDE PROTECTION THROUGH GFCI TYPE CIRCUIT BREAKER IN PANEL.

E. PROVIDE ACOUSTICAL PUTTY PADS FOR ALL OUTLETS. PROVIDE FIRE-RATED PUTTY PADS WHERE REQUIRED. DO NOT LOCATE OUTLETS IN SAME WALL CAVITY WHERE EVER POSSIBLE.

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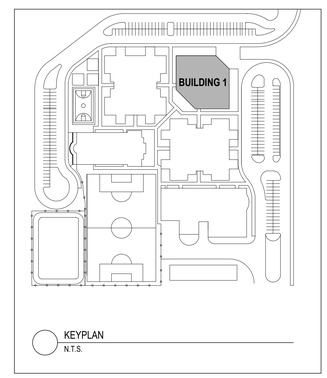
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H. COORDINATE ANY CORE-DRILLING AND SAW-CUTTING OF SLABS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO STARTING WORK.

(##) KEYED NOTES

01 PROJECTOR: VERIFY EXACT LOCATION WITH TENANT AND INSTALLER PRIOR TO ROUGH-IN.

02 PROVIDE GFCI TYPE CB TO SERVE LOAD.



KEYPLAN
N.T.S.

CODE REVIEW:

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JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

POWER PLAN - LEVEL 01 - BUILDING 1

COMMISSION NUMBER:

26K014

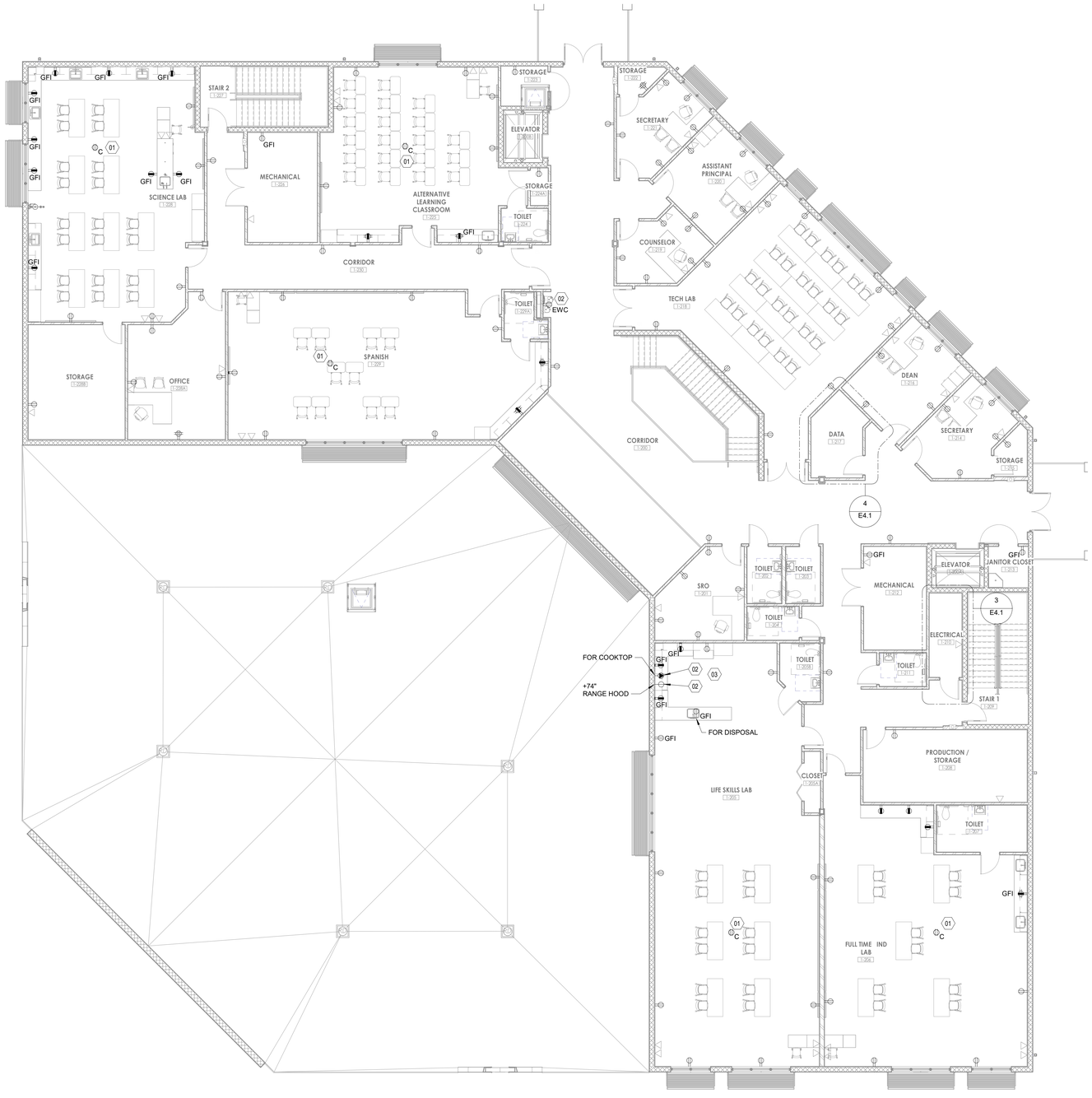
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E1.1

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1 POWER PLAN - LEVEL 2 - BUILDING 1
E1.2 1/8" = 1'-0"

GENERAL NOTES

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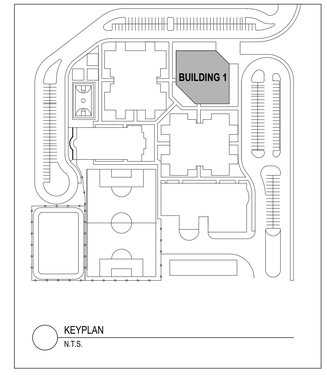
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01 PROJECTOR: VERIFY EXACT LOCATION WITH TENANT AND INSTALLER PRIOR TO ROUGH-IN

02 PROVIDE GFCI TYPE CB TO SERVE LOAD.

03 MOUNT OUTLETS HORIZONTALLY, WHERE LOCATED ABOUT A COUNTER TOP IN THIS ROOM.



KEYPLAN
N.T.S.

N

CODE REVIEW:

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spiezle

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SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

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DRAWING TITLE:

POWER PLAN - LEVEL 02 - BUILDING 1

COMMISSION NUMBER:
26K014

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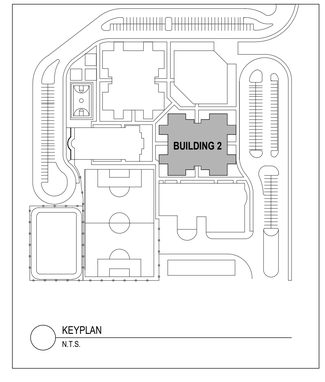
E1.2

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3"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

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KEYPLAN
N.T.S.

1 E1.3 POWER PLAN - LEVEL 1 - BUILDING 2
1/8" = 1'-0"

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POWER PLAN - LEVEL 01 - BUILDING 2

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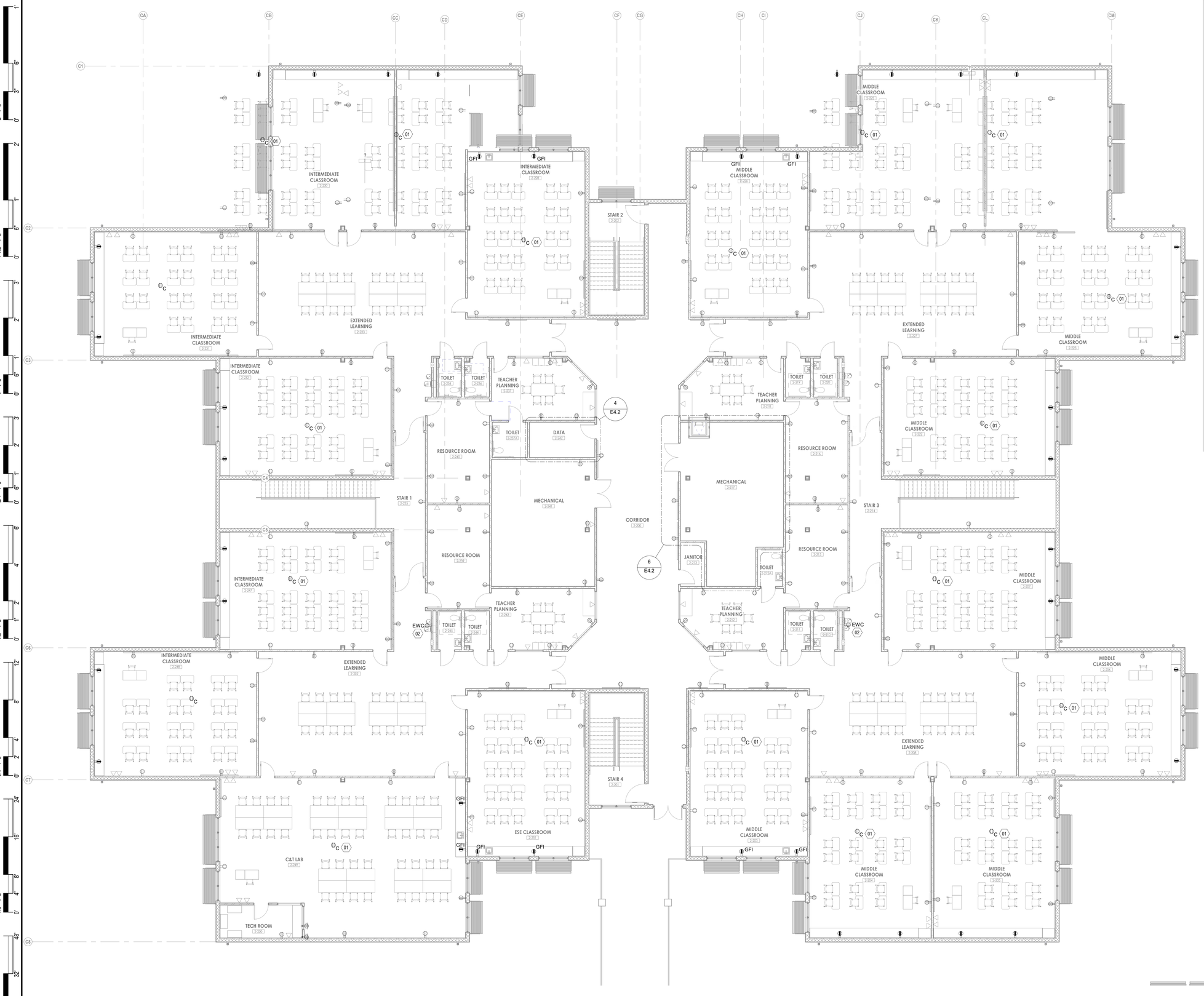
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E1.3

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1 POWER PLAN - LEVEL 2 - BUILDING 2
E1.4 1/8" = 1'-0"

GENERAL NOTES

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02 PROVIDE GFCI TYPE CB TO SERVE LOAD.

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DRAWING TITLE:

POWER PLAN - LEVEL 02 - BUILDING 2

COMMISSION NUMBER:

26K014

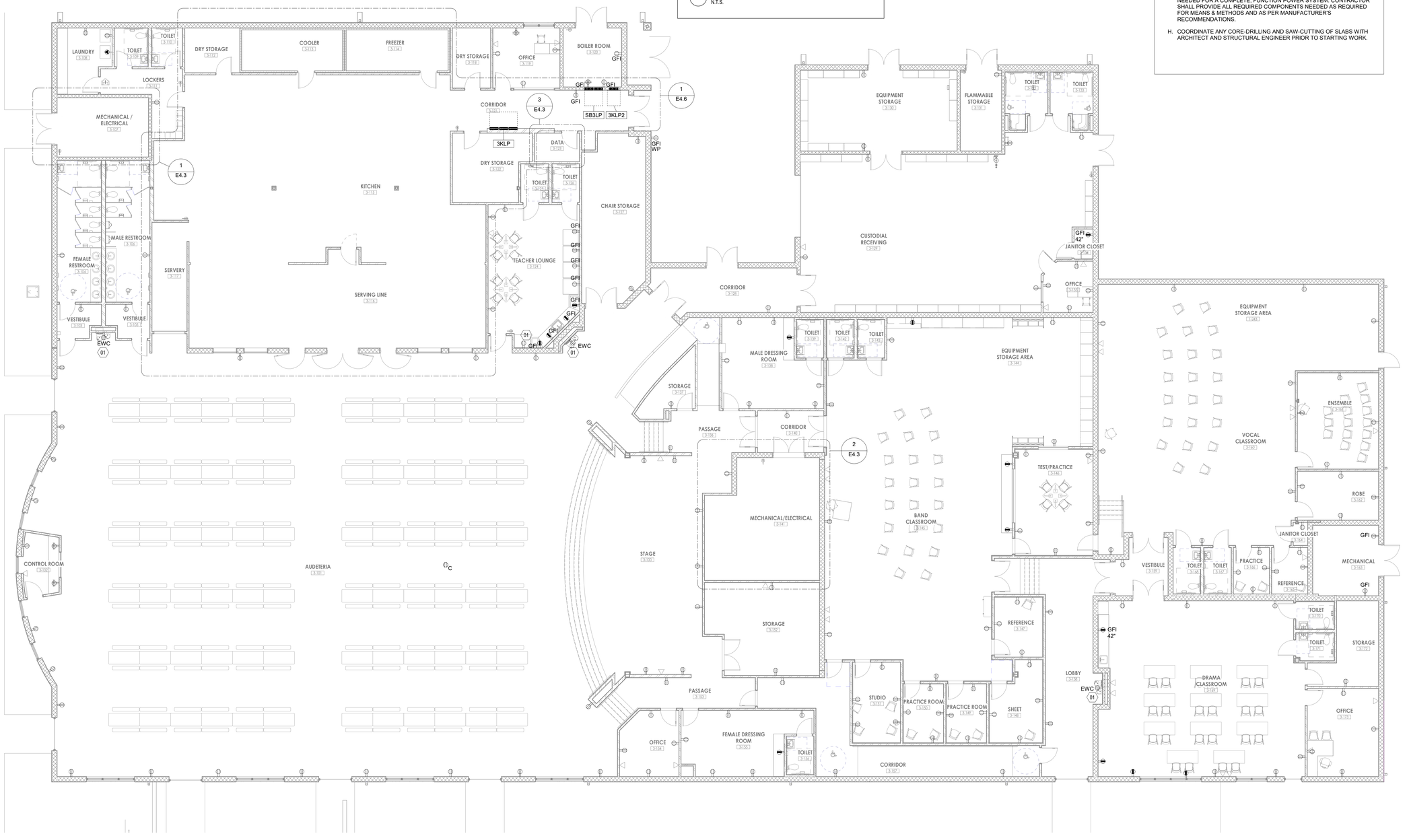
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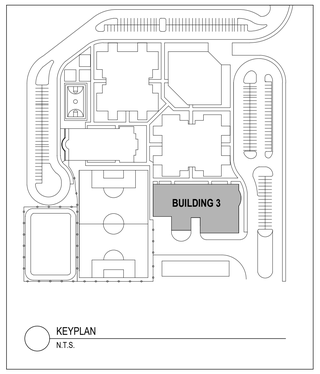
E1.4

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1 E1.5 POWER PLAN - LEVEL 1 - BUILDING 3
1/8" = 1'-0"



KEYPLAN
N.T.S.

KEYED NOTES

01 PROVIDE GFCI TYPE CB TO SERVE LOAD.

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C. **ALL 15- AND 20- AMPERE, 125- AND 250-VOLT NONLOCKING-TYPE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. COMPLY WITH NEC 406.12.**

D. ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND ALL THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS LOCATED IN KITCHEN, SERVERY AREAS, AND AREAS WITH A SINK AND PERMANENT PROVISIONS FOR EITHER FOOD PREPARATION OR COOKING SHALL BE GFCI PROTECTED. WHERE RECEPTACLES ARE NOT ACCESSIBLE, PROVIDE PROTECTION THROUGH GFCI TYPE CIRCUIT BREAKER IN PANEL.

E. PROVIDE ACOUSTICAL PUTTY PADS FOR ALL OUTLETS. PROVIDE FIRE-RATED PUTTY PADS WHERE REQUIRED. DO NOT LOCATE OUTLETS IN SAME WALL CAVITY WHERE EVER POSSIBLE.

F. DO NOT SCALE PLANS, LOCATE OUTLETS CENTERED AND SYMMETRICALLY ALONG WALLS WHERE EVER PRACTICAL.

G. THESE DRAWINGS MAY NOT SHOW EVERY BOX, CONDUIT, DEVICE NEEDED FOR A COMPLETE, FUNCTION POWER SYSTEM. CONTRACTOR SHALL PROVIDE ALL REQUIRED COMPONENTS NEEDED AS REQUIRED FOR MEANS & METHODS AND AS PER MANUFACTURER'S RECOMMENDATIONS.

H. COORDINATE ANY CORE-DRILLING AND SAW-CUTTING OF SLABS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO STARTING WORK.

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
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SIGNATURE:

ANTHONY DONADIO	AR0013456
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JOHN F. WRIGHT	AR101341
STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

POWER PLAN - LEVEL 01 - BUILDING 3

COMMISSION NUMBER:

26K014

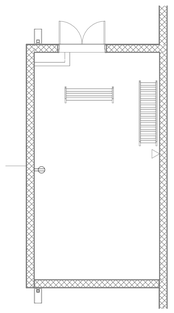
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DRAWING NUMBER:

E1.5

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2 E1.6 POWER PLAN - LEVEL 2 - BUILDING 4
1/8" = 1'-0"

KEYED NOTES

01 PROVIDE GFCI TYPE CB TO SERVE LOAD.

GENERAL NOTES

A. ALL RECEPTACLES AND TELEPHONE/DATA OUTLETS SHALL BE FLUSH-MOUNTED. ALL CONDUIT AND RACEWAY SHALL BE CONCEALED, UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.

B. CONTRACTOR TO VERIFY ALL TELE/DATA LOCATIONS WITH OWNER, PRIOR TO ROUGH-IN.

C. **ALL 15- AND 20- AMPERE, 125- AND 250-VOLT NONLOCKING-TYPE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. COMPLY WITH NEC 406.12.**

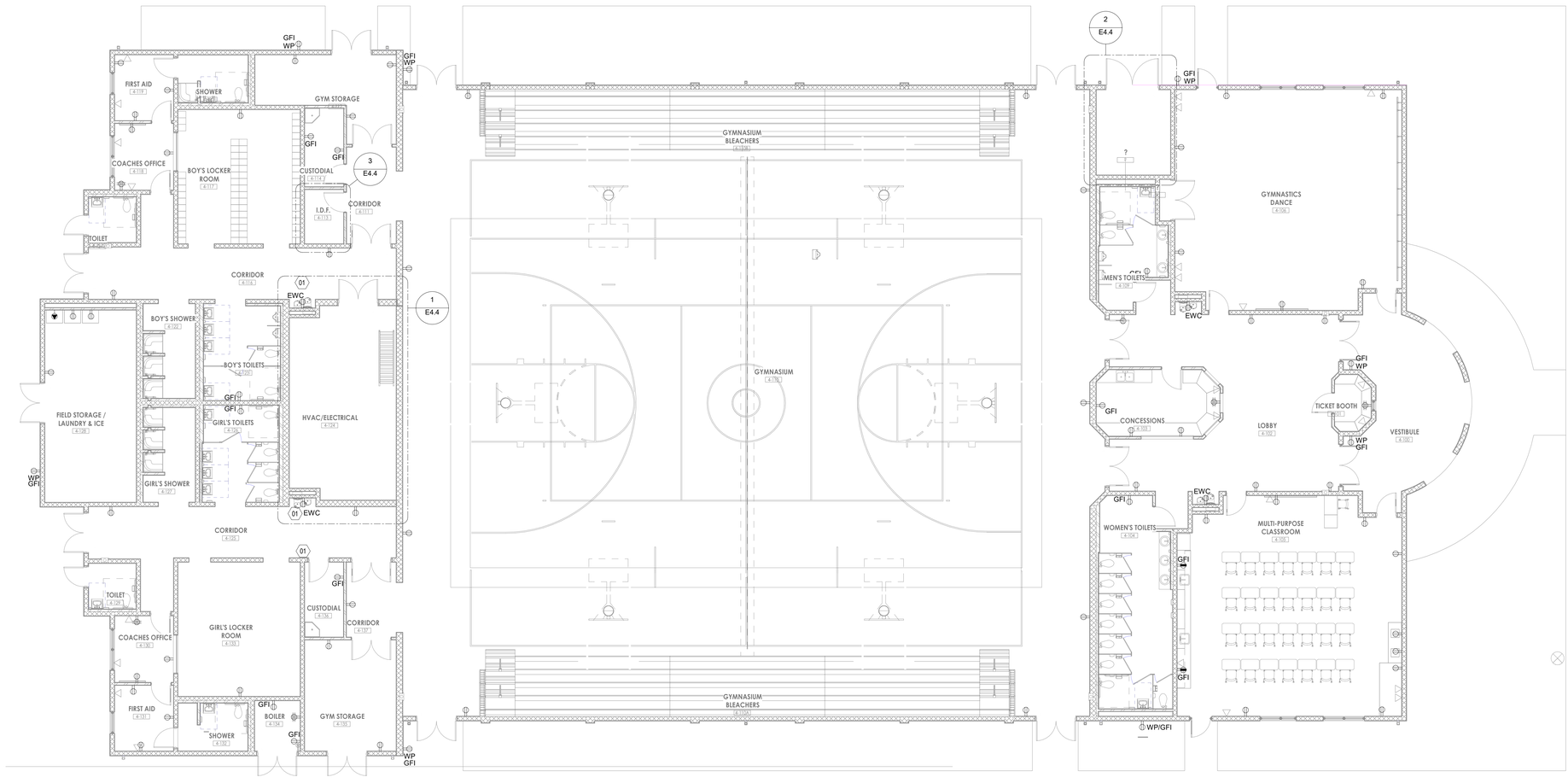
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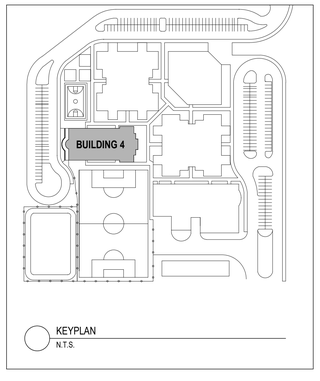
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KEYPLAN
N.T.S.

1 E1.6 POWER PLAN - LEVEL 1 - BUILDING 4
1/8" = 1'-0"

N

CODE REVIEW:

CERTIFICATE:

spiezle

SPIEZLE ARCHITECTURAL GROUP INC.
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VERO BEACH, FL. 32960
PHONE: 866.974.7666

SIGNATURE:

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JOHN F. WRIGHT	AR101341
STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

POWER PLAN - LEVEL 01 - BUILDING 4

COMMISSION NUMBER:
26K014

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DRAWING NUMBER:

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DRAWN BY:Author CHECKED BY:Checker

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H. COORDINATE ANY CORE-DRILLING AND SAW-CUTTING OF SLABS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO STARTING WORK.

(##) KEYED NOTES

01 PROJECTOR: VERIFY EXACT LOCATION WITH TENANT AND INSTALLER PRIOR TO ROUGH-IN

02 PROVIDE GFCI TYPE CB TO SERVE LOAD.



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SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

#	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

POWER PLAN - LEVEL 01 - BUILDING 5

COMMISSION NUMBER:

26K014

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DRAWING NUMBER:

E1.7

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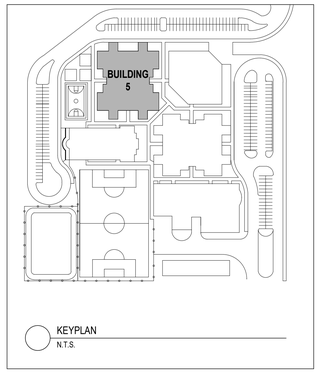
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02 PROVIDE GFCI TYPE CB TO SERVE LOAD.



KEYPLAN
N.T.S.

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SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

#	REVISION NAME	DATE

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DRAWING TITLE:

POWER PLAN - LEVEL 02 - BUILDING 5

COMMISSION NUMBER:

26K014

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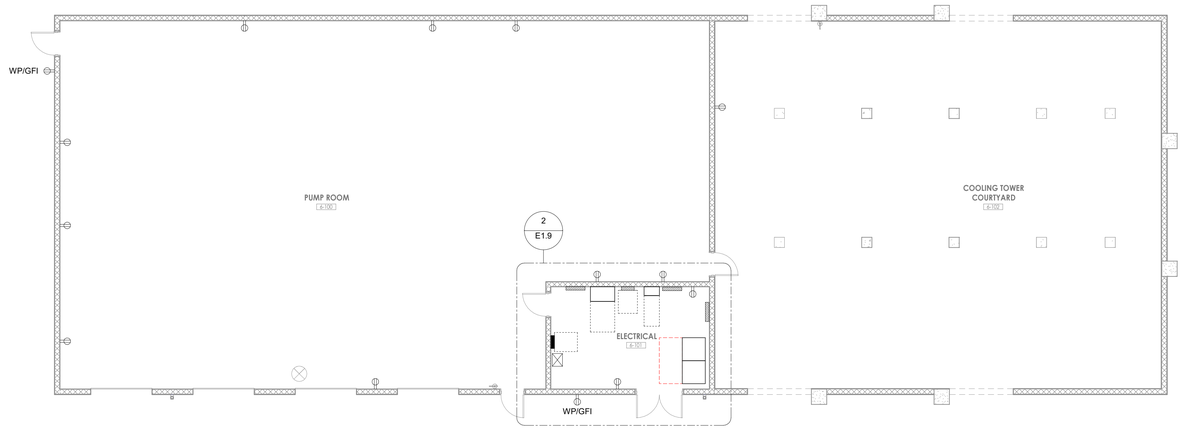
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E1.8

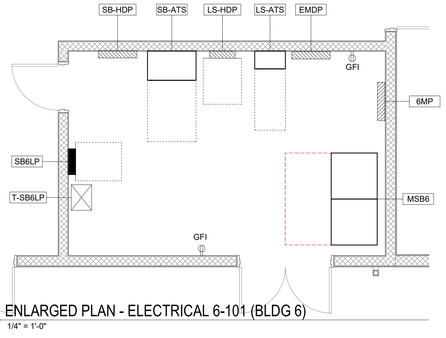
THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

3/32"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

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1 E1.9 POWER PLAN - LEVEL 1 - BUILDING 6
1/8" = 1'-0"



2 E1.9 ENLARGED PLAN - ELECTRICAL 6-101 (BLDG 6)
1/4" = 1'-0"

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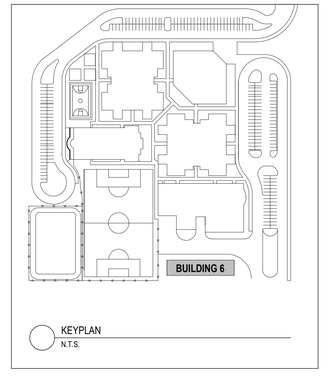
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⟨##⟩ KEYED NOTES



KEYPLAN
N.T.S.

N

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
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SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

⟨#⟩	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

POWER PLAN - LEVEL 01 - BUILDING 6

COMMISSION NUMBER:

26K014

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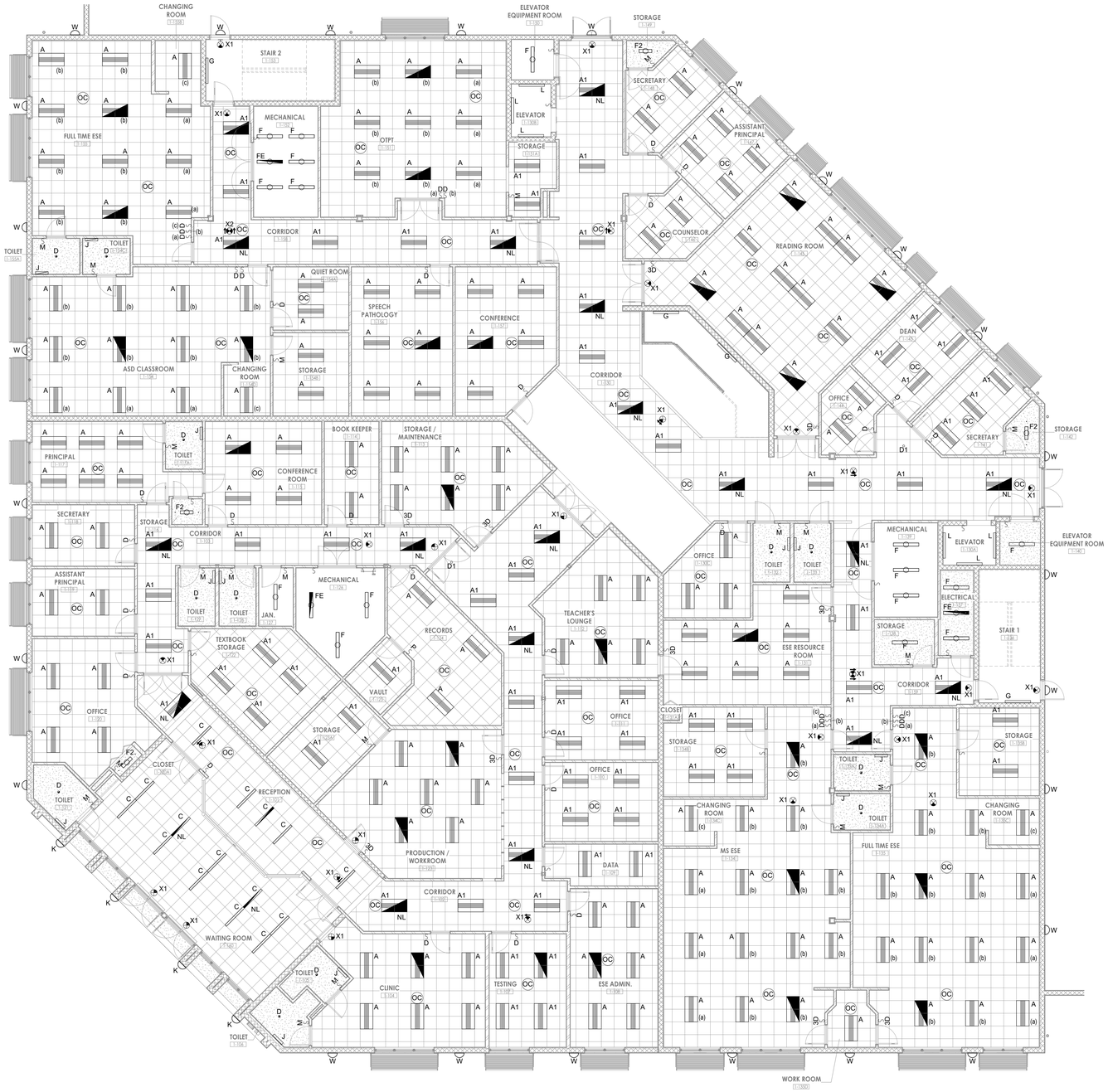
DRAWING NUMBER:

E1.9

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3"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

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1 E2.1 LIGHTING PLAN - LEVEL 1 - BUILDING 1
1/8" = 1'-0"

GENERAL NOTES

A. LIGHTING INSTALLATIONS SHALL MEET THE REQUIREMENTS OF NEC ARTICLES 410 AND 700.

B. COORDINATE ALL CONSTRUCTION WITH OTHER TRADES. COORDINATE AND ADJUST LIGHTING FIXTURES IN OPEN CEILING ROOMS AND ABOVE CEILINGS WITH ACTUAL INSTALLATION OF PIPING, DUCTWORK, SPECIAL EQUIPMENT, STRUCTURAL COMPONENTS, ETC. COORDINATE PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS IN CEILINGS. DO NOT DIMENSION OFF THESE PLANS.

C. DO NOT LOCATE SWITCHES BEHIND DOOR SWINGS, TV SCREENS, OR ANY WALLS WITH BRANDING OR SPECIAL WALL COVERINGS. CONTRACTOR SHALL COORDINATE IN THE FIELD AND WITH ARCHITECTURAL DRAWINGS.

D. ALL EXIT SIGNS AND NIGHT LIGHTS ('NL'), WHERE APPLICABLE, SHALL BE ON UNSWITCHED "HOT" LEG SERVING THE AREA, CONNECTED AHEAD OF SWITCH SERVING AREA/ROOM.

E. ALL EMERGENCY FIXTURES (GENERATOR FED) SHALL OPERATE THE SAME AS NORMAL LIGHTING IN AREA. PROVIDE A GENERATOR TRANSFER DEVICE OR ADDITIONAL RELAYS AS REQUIRED. UPON LOSS OF POWER, THE FIXTURE WILL AUTOMATICALLY TURN ON TO MEET IBC 1008.2 FOR AVERAGE LIGHTING LEVELS ALONG PATH OF EGRESS. ALL CIRCUITS SERVING EMERGENCY LIGHTING SHALL BE IDENTIFIED AT THE PANEL PER NEC.

F. ALL EXIT SIGNS SHALL BE INSTALLED AS PER NFPA. WALL MOUNTED EXIT SIGNS SHALL BE MOUNTED SO THAT THE BOTTOM EDGE OF THE SIGN IS 2" CLEAR OF THE DOOR LINTEL OR FINISHED DOOR TRIM. WHERE WALL MOUNTING AFFECTS FIRE RATING OF THE AREA (SUCH AS STAIR ENCLOSURES), EXIT SIGN SHALL BE CEILING MOUNTED. THE BOTTOM OF THE SIGN MUST BE OUT OF THE EGRESS PATH OR ABOVE THE MINIMUM HEADROOM HEIGHT.

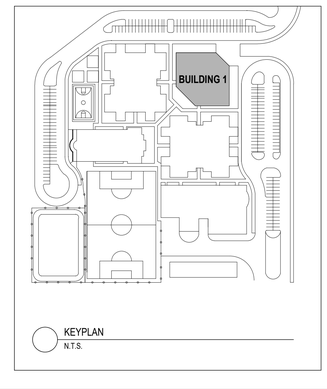
G. CONTRACTOR SHALL COORDINATE NUMBER AND LOCATION OF OCCUPANCY/VACANCY SENSORS AS PER MANUFACTURER RECOMMENDATIONS TO ASSURE COVERAGE IN ALL OCCUPIABLE AREAS OF ROOMS COVERED. CONTRACTOR SHALL COORDINATE FINAL LOCATIONS WITH ACTUAL INSTALLATION OF OTHER CEILING DEVICES (INCLUDING DIFFUSERS). LOCATE TO ENSURE ADEQUATE FUNCTIONALITY AND OPERATION.

KEYED NOTES

LIGHTING CONTROL NOTES

PROVIDE THE FOLLOWING CONTROLS FOR COMPLIANCE WITH LOCAL ENERGY CODES. PROVIDE AS SHOWN ON PLANS.

OCCUPANCY/VACANCY SENSOR(S):
- PROVIDE WALL AND/OR CEILING OCC SENSORS FOR PROPER COVERAGE
- PROVIDE POWER PACKS, AS REQUIRED.
- OVERRIDE SWITCHES AS SHOWN ON PLANS – PROVIDE DIMMING CAPABILITY UON



KEYPLAN
N.T.S.

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SEAL:

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SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

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	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

LIGHTING PLAN - LEVEL 01 - BUILDING 1

COMMISSION NUMBER:

26K014

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DRAWING NUMBER:

E2.1

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3/4"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

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1 E2.2 LIGHTING PLAN - LEVEL 2 - BUILDLING 1
1/8" = 1'-0"

GENERAL NOTES

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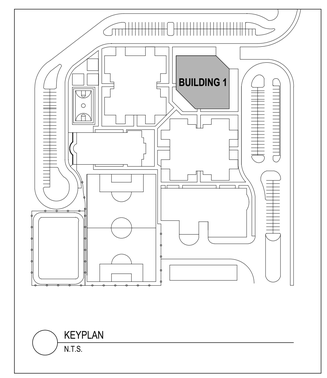
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KEYED NOTES

LIGHTING CONTROL NOTES

PROVIDE THE FOLLOWING CONTROLS FOR COMPLIANCE WITH LOCAL ENERGY CODES. PROVIDE AS SHOWN ON PLANS.

OCCUPANCY/VACANCY SENSOR(S):
- PROVIDE WALL AND/OR CEILING OCC SENSORS FOR PROPER COVERAGE.
- PROVIDE POWER PACKS, AS REQUIRED
- OVERRIDE SWITCHES AS SHOWN ON PLANS – PROVIDE DIMMING CAPABILITY UON



KEYPLAN
N.T.S.

N

CODE REVIEW:

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spiezle

SPIEZLE ARCHITECTURAL GROUP INC.
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JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

LIGHTING PLAN - LEVEL 02 - BUILDING 1

COMMISSION NUMBER:

26K014

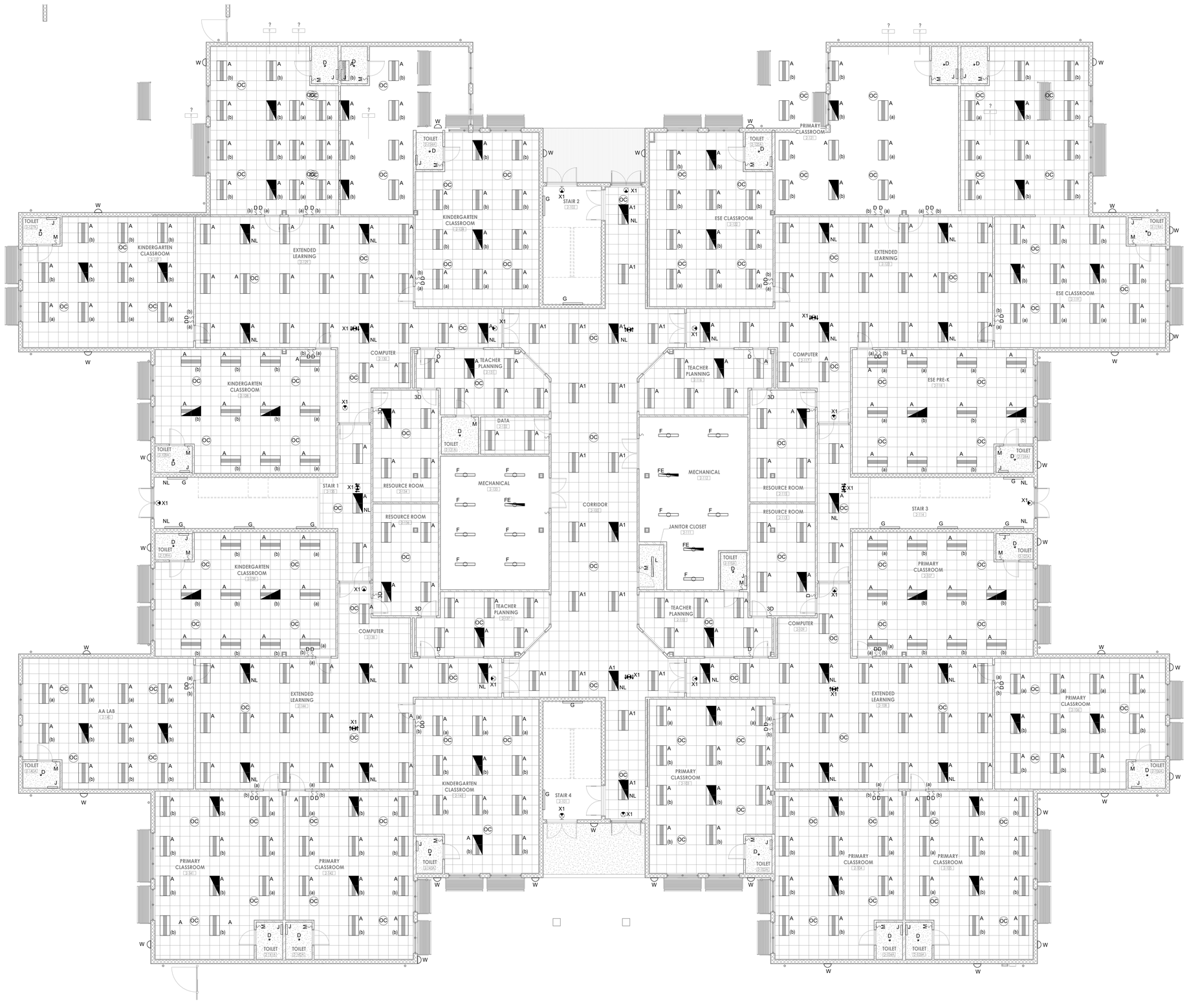
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E2.2

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1 E2.3 LIGHTING PLAN - LEVEL 1 - BUILDING 2
1/8" = 1'-0"

GENERAL NOTES

A. LIGHTING INSTALLATIONS SHALL MEET THE REQUIREMENTS OF NEC ARTICLES 410 AND 700.

B. COORDINATE ALL CONSTRUCTION WITH OTHER TRADES. COORDINATE AND ADJUST LIGHTING FIXTURES IN OPEN CEILING ROOMS AND ABOVE CEILINGS WITH ACTUAL INSTALLATION OF PIPING, DUCTWORK, SPECIAL EQUIPMENT, STRUCTURAL COMPONENTS, ETC. COORDINATE PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS IN CEILINGS. DO NOT DIMENSION OFF THESE PLANS.

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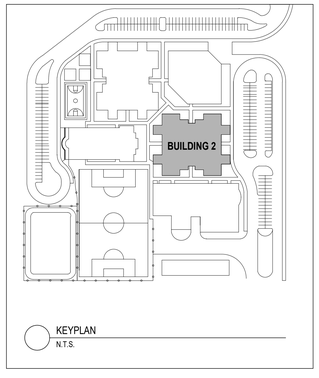
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FOR BID: DD/MM/YYYY

DRAWING TITLE:

LIGHTING PLAN - LEVEL 01 - BUILDING 2

COMMISSION NUMBER:

26K014

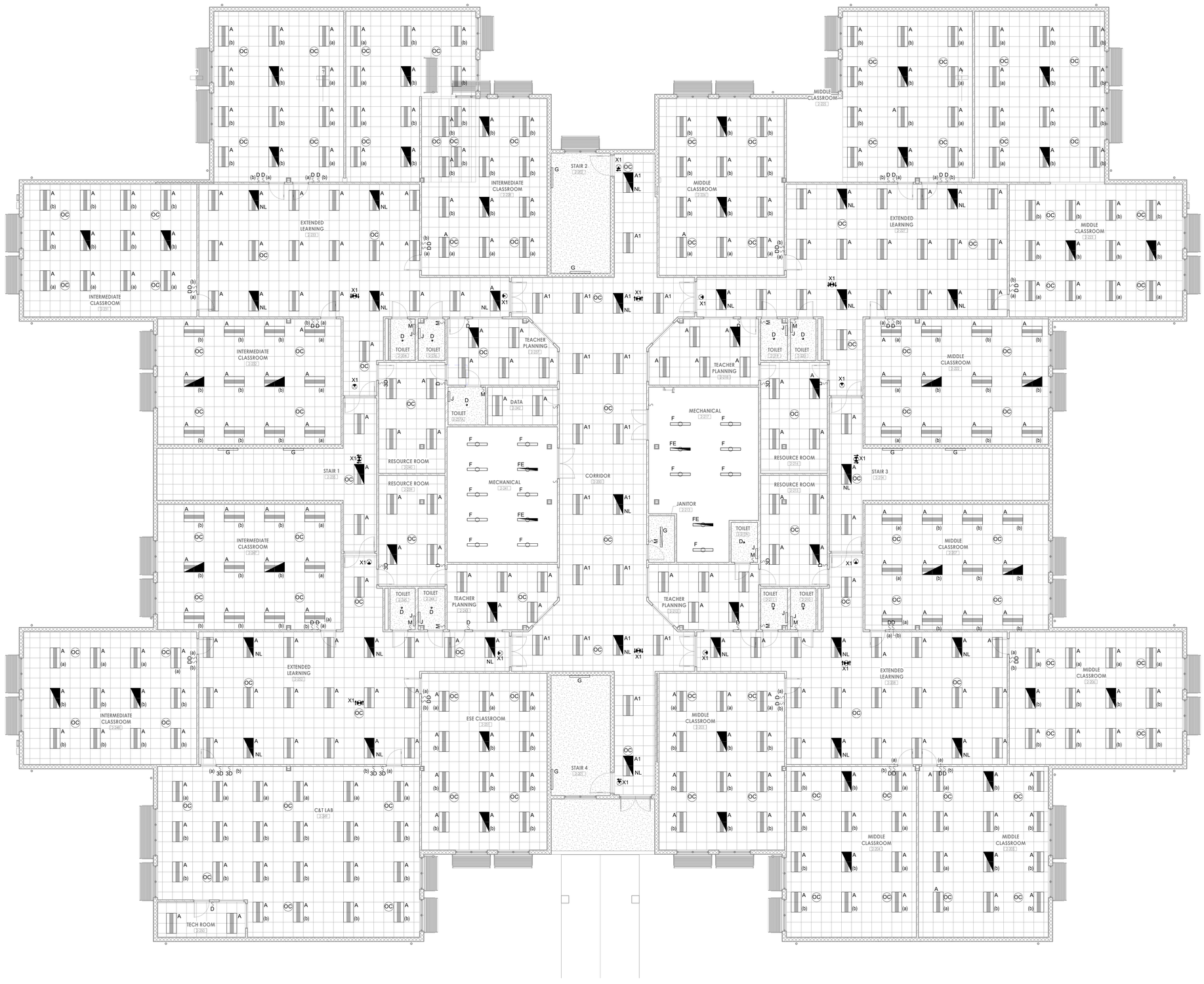
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DRAWING NUMBER:

E2.3

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1 LIGHTING PLAN - LEVEL 2 - BUILDLING 2
E2.4 1/8" = 1'-0"

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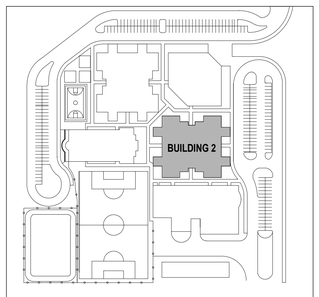
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4/10/2026

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FOR

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9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

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FOR BID: DD/MM/YYYY

DRAWING TITLE:

LIGHTING PLAN - LEVEL 02 - BUILDING 2

COMMISSION NUMBER:
26K014

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DRAWING NUMBER:

E2.4

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1 LIGHTING PLAN - LEVEL 1 - BUILDING 3
E2.5 1/8" = 1'-0"

GENERAL NOTES

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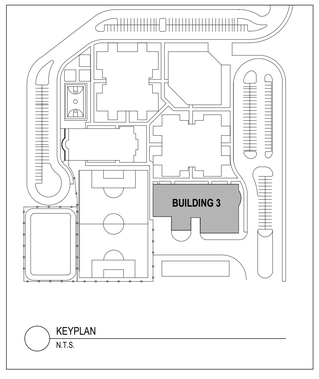
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SCHEMATIC DESIGN
4/10/2026

PROJECT:

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FOR

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9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

LIGHTING PLAN - LEVEL 01 - BUILDING 3

COMMISSION NUMBER:

26K014

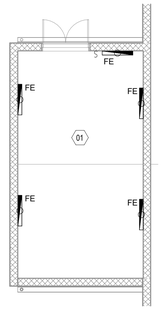
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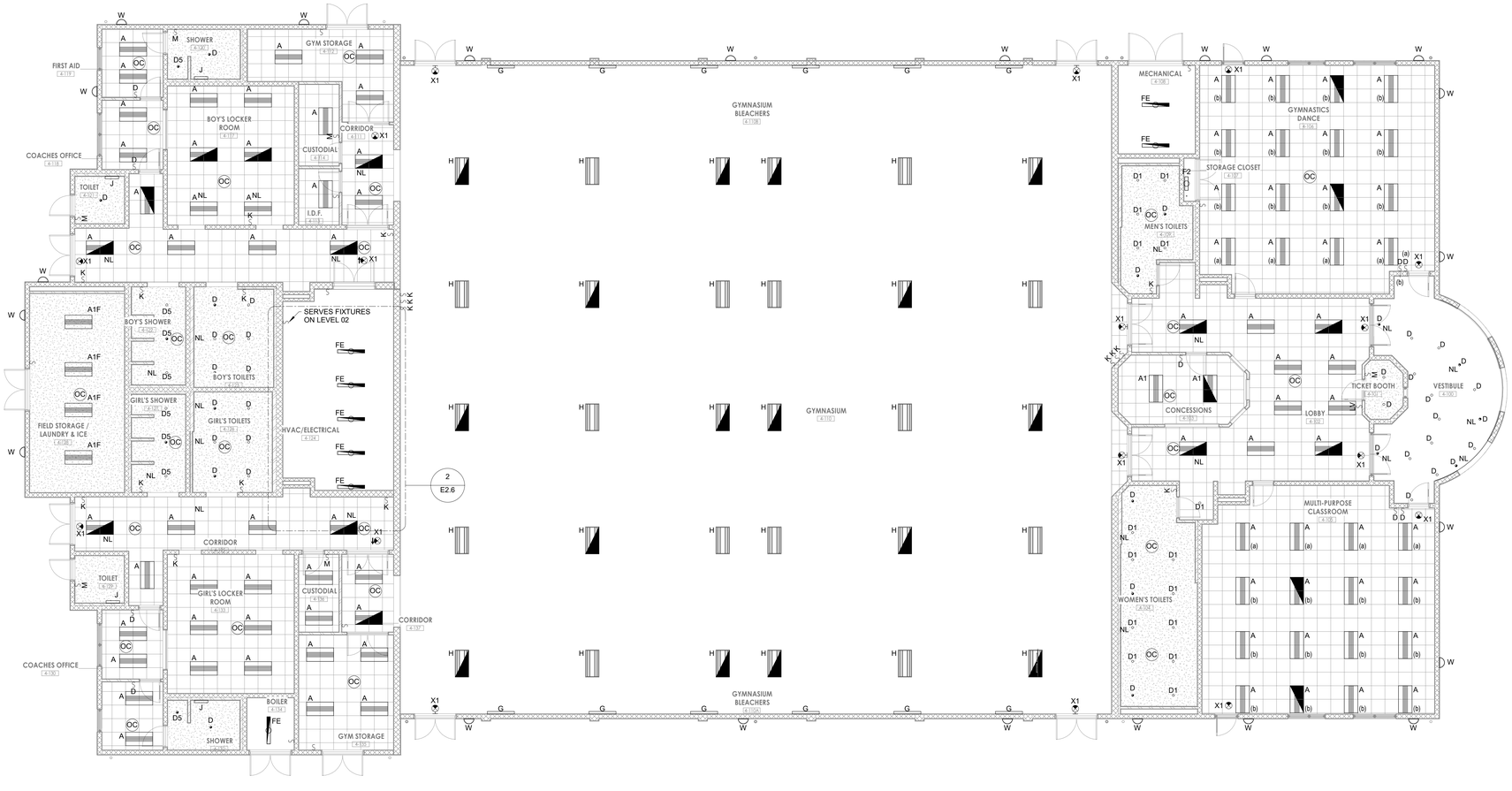
E2.5

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2 E2.6 LIGHTING PLAN - LEVEL 2 - BUILDING 4
1/8" = 1'-0"



1 E2.6 LIGHTING PLAN - LEVEL 1 - BUILDING 4
1/8" = 1'-0"

GENERAL NOTES

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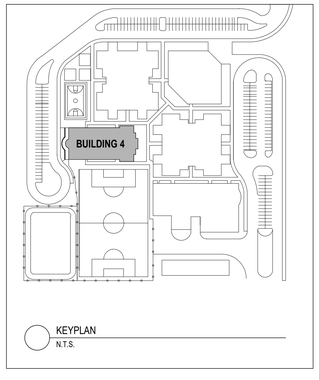
KEYED NOTES

01 LIGHT FIXTURES IN THIS ROOM ARE CONTROLLED FROM SWITCH LOCATED IN MECHANICAL ROOM BELOW.

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LIGHTING PLAN - LEVEL 01 - BUILDING 4

COMMISSION NUMBER:

26K014

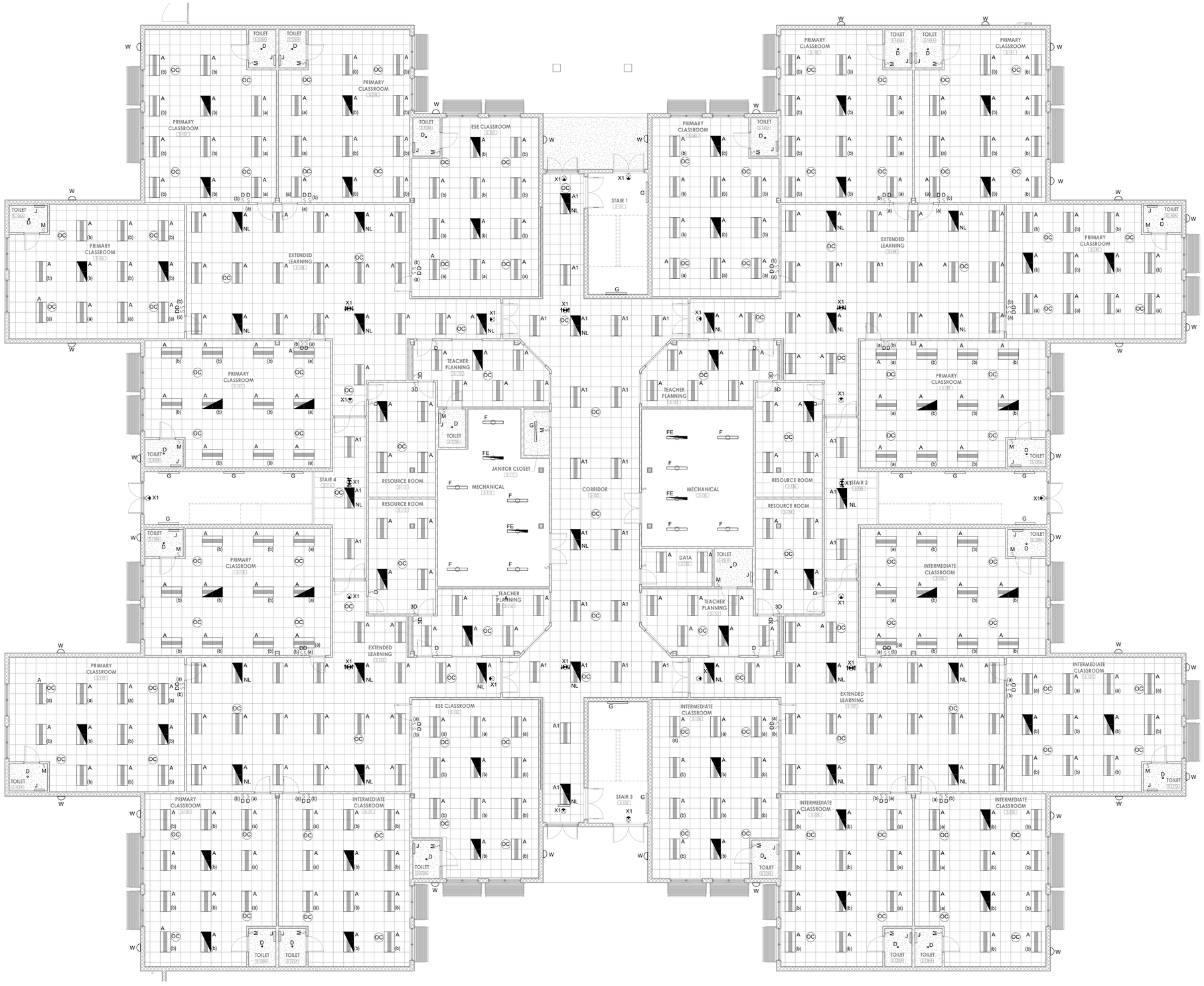
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E2.6

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1 LIGHTING PLAN - LEVEL 1 - BUILDING 5
E2.7 1/8" = 1'-0"

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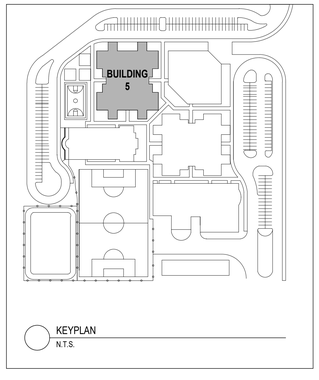
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4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

#	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

LIGHTING PLAN - LEVEL 01 - BUILDING 5

COMMISSION NUMBER:

26K014

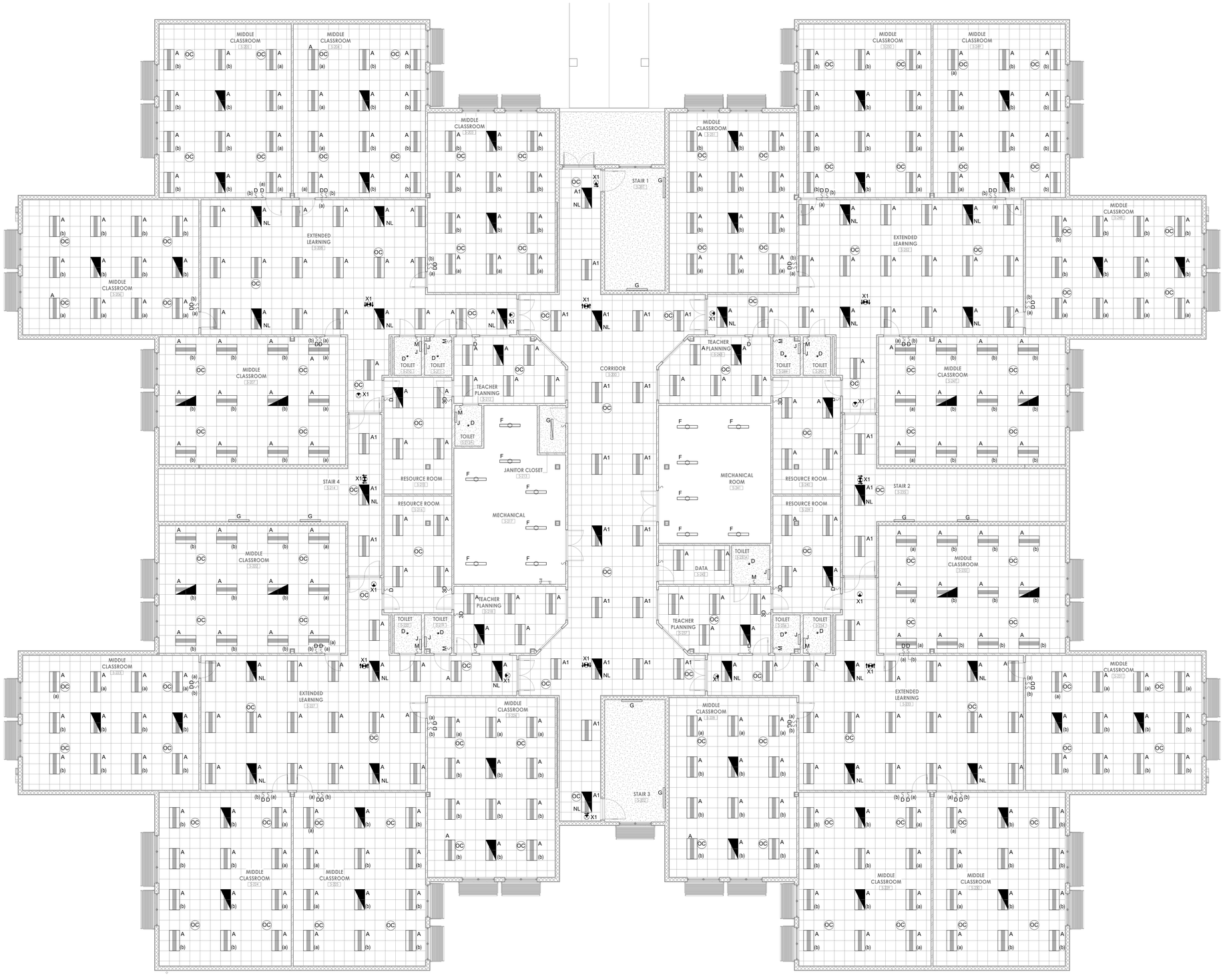
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E2.7

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1 LIGHTING PLAN - LEVEL 2 - BUILDLING 5
E2.8
1/8" = 1'-0"

GENERAL NOTES

A. LIGHTING INSTALLATIONS SHALL MEET THE REQUIREMENTS OF NEC ARTICLES 410 AND 700.

B. COORDINATE ALL CONSTRUCTION WITH OTHER TRADES. COORDINATE AND ADJUST LIGHTING FIXTURES IN OPEN CEILING ROOMS AND ABOVE CEILINGS WITH ACTUAL INSTALLATION OF PIPING, DUCTWORK, SPECIAL EQUIPMENT, STRUCTURAL COMPONENTS, ETC. COORDINATE PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS IN CEILINGS. DO NOT DIMENSION OFF THESE PLANS.

C. DO NOT LOCATE SWITCHES BEHIND DOOR SWINGS, TV SCREENS, OR ANY WALLS WITH BRANDING OR SPECIAL WALL COVERINGS. CONTRACTOR SHALL COORDINATE IN THE FIELD AND WITH ARCHITECTURAL DRAWINGS.

D. ALL EXIT SIGNS AND NIGHT LIGHTS ('NL'), WHERE APPLICABLE, SHALL BE ON UNSWITCHED "HOT" LEG SERVING THE AREA, CONNECTED AHEAD OF SWITCH SERVING AREA/ROOM.

E. ALL EMERGENCY FIXTURES (GENERATOR FED) SHALL OPERATE THE SAME AS NORMAL LIGHTING IN AREA. PROVIDE A GENERATOR TRANSFER DEVICE OR ADDITIONAL RELAYS AS REQUIRED. UPON LOSS OF POWER, THE FIXTURE WILL AUTOMATICALLY TURN ON TO MEET IBC 1008.2 FOR AVERAGE LIGHTING LEVELS ALONG PATH OF EGRESS. ALL CIRCUITS SERVING EMERGENCY LIGHTING SHALL BE IDENTIFIED AT THE PANEL PER NEC.

F. ALL EXIT SIGNS SHALL BE INSTALLED AS PER NFPA. WALL MOUNTED EXIT SIGNS SHALL BE MOUNTED SO THAT THE BOTTOM EDGE OF THE SIGN IS 2" CLEAR OF THE DOOR LINTEL OR FINISHED DOOR TRIM. WHERE WALL MOUNTING AFFECTS FIRE RATING OF THE AREA (SUCH AS STAIR ENCLOSURES), EXIT SIGN SHALL BE CEILING MOUNTED. THE BOTTOM OF THE SIGN MUST BE OUT OF THE EGRESS PATH OR ABOVE THE MINIMUM HEADROOM HEIGHT.

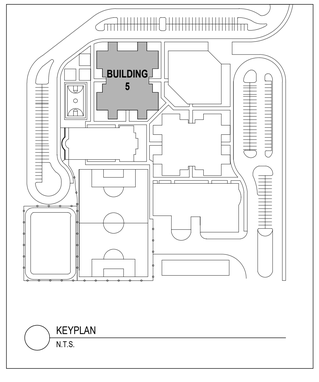
G. CONTRACTOR SHALL COORDINATE NUMBER AND LOCATION OF OCCUPANCY/VACANCY SENSORS AS PER MANUFACTURER RECOMMENDATIONS TO ASSURE COVERAGE IN ALL OCCUPIABLE AREAS OF ROOMS COVERED. CONTRACTOR SHALL COORDINATE FINAL LOCATIONS WITH ACTUAL INSTALLATION OF OTHER CEILING DEVICES (INCLUDING DIFFUSERS). LOCATE TO ENSURE ADEQUATE FUNCTIONALITY AND OPERATION.

KEYED NOTES

LIGHTING CONTROL NOTES

PROVIDE THE FOLLOWING CONTROLS FOR COMPLIANCE WITH LOCAL ENERGY CODES. PROVIDE AS SHOWN ON PLANS.

OCCUPANCY/VACANCY SENSOR(S):
- PROVIDE WALL AND/OR CEILING OCC SENSORS FOR PROPER COVERAGE
- PROVIDE POWER PACKS, AS REQUIRED
- OVERRIDE SWITCHES AS SHOWN ON PLANS – PROVIDE DIMMING CAPABILITY UON



KEYPLAN
N.T.S.

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
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PHONE: 866.974.7666

SIGNATURE:

ANTHONY DONADIO	AR0013456
STEVEN D. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

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FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

#	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

LIGHTING PLAN - LEVEL 02 - BUILDING 5

COMMISSION NUMBER:

26K014

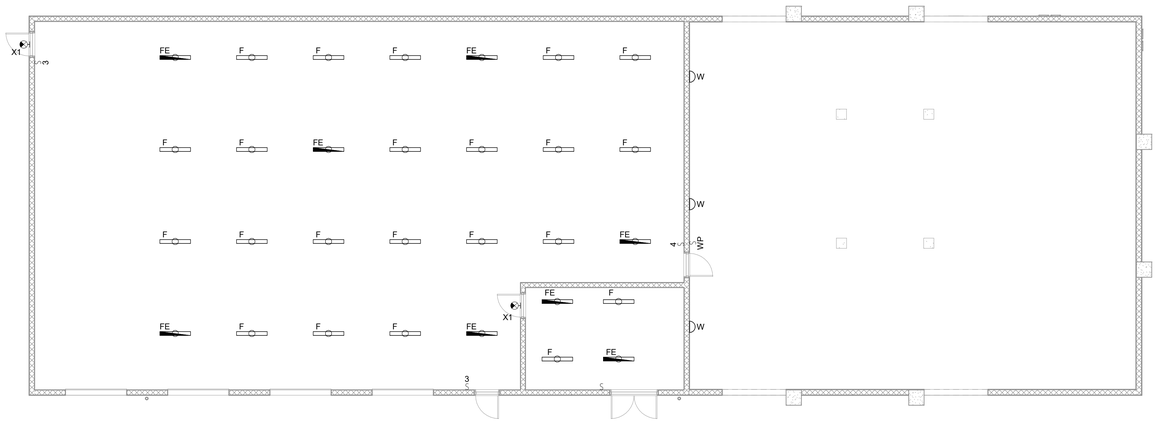
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DRAWING NUMBER:

E2.8

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1 E2.9 LIGHTING PLAN - LEVEL 1 - BUILDING 6
1/8" = 1'-0"

GENERAL NOTES

A. LIGHTING INSTALLATIONS SHALL MEET THE REQUIREMENTS OF NEC ARTICLES 410 AND 700.

B. COORDINATE ALL CONSTRUCTION WITH OTHER TRADES. COORDINATE AND ADJUST LIGHTING FIXTURES IN OPEN CEILING ROOMS AND ABOVE CEILINGS WITH ACTUAL INSTALLATION OF PIPING, DUCTWORK, SPECIAL EQUIPMENT, STRUCTURAL COMPONENTS, ETC. COORDINATE PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS IN CEILINGS. DO NOT DIMENSION OFF THESE PLANS.

C. DO NOT LOCATE SWITCHES BEHIND DOOR SWINGS, TV SCREENS, OR ANY WALLS WITH BRANDING OR SPECIAL WALL COVERINGS. CONTRACTOR SHALL COORDINATE IN THE FIELD AND WITH ARCHITECTURAL DRAWINGS.

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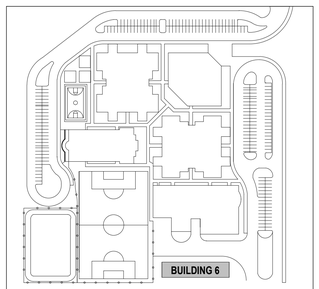
G. CONTRACTOR SHALL COORDINATE NUMBER AND LOCATION OF OCCUPANCY/VACANCY SENSORS AS PER MANUFACTURER RECOMMENDATIONS TO ASSURE COVERAGE IN ALL OCCUPIABLE AREAS OF ROOMS COVERED. CONTRACTOR SHALL COORDINATE FINAL LOCATIONS WITH ACTUAL INSTALLATION OF OTHER CEILING DEVICES (INCLUDING DIFFUSERS). LOCATE TO ENSURE ADEQUATE FUNCTIONALITY AND OPERATION.

KEYED NOTES

LIGHTING CONTROL NOTES

PROVIDE THE FOLLOWING CONTROLS FOR COMPLIANCE WITH LOCAL ENERGY CODES. PROVIDE AS SHOWN ON PLANS.

OCCUPANCY/VACANCY SENSOR(S):
- PROVIDE WALL AND/OR CEILING OCC SENSORS FOR PROPER COVERAGE
- PROVIDE POWER PACKS, AS REQUIRED
- OVERRIDE SWITCHES AS SHOWN ON PLANS – PROVIDE DIMMING CAPABILITY UON



KEYPLAN
N.T.S.

N

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CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

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FOR

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FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

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DRAWING TITLE:

LIGHTING PLAN - LEVEL 01 - BUILDING 6

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E2.9

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3"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

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1 MECH POWER - LEVEL 1 - BUILDING 1
E3.1 1/8" = 1'-0"

GENERAL NOTES

A. COORDINATE ALL REQUIRED CONDUIT AND BOXES WITH MECHANICAL AND PLUMBING CONTRACTORS, INCLUDING LOW-VOLTAGE PATHWAYS AND CONTROLS CONDUIT. CONCEAL ALL INFRASTRUCTURE TO FURTHEST EXTENT POSSIBLE.

B. PROVIDE 120V EMERGENCY POWER TO ALL FIRE/SMOKE DAMPERS. VERIFY QUANTITY AND LOCATION OF ALL DAMPERS WITH MECHANICAL DRAWINGS. REFER TO FIRE ALARM DRAWINGS FOR ADDITIONAL REQUIREMENTS.

C. ALL POWER AND CONTROL CONDUIT ROUTED TO EXTERIOR ON-GRADE MECHANICAL EQUIPMENT SHALL BE ROUTED UNDERGROUND UNLESS OTHERWISE NOTED. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

D. ALL POWER AND CONTROL CONDUIT ROUTED TO ROOF MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT AND GENERAL CONTRACTOR TO LIMIT THE NUMBER OF ROOF PENETRATIONS. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

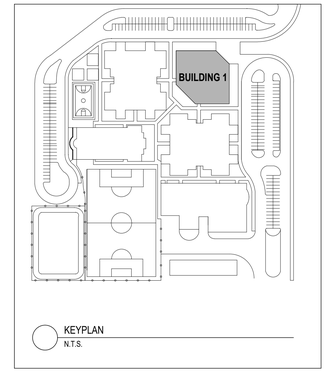
E. A GFI, SERVICE RECEPTACLE MUST BE PROVIDED FOR ALL SERVICEABLE EQUIPMENT PER NEC. TOTAL DISTANCE FROM EQUIPMENT TO OUTLET SHALL NOT EXCEED 25'. LOCATE OUTLET AT EQUIPMENT'S ELEVATION IN OPEN CEILINGS OR 6" BELOW CEILING PLANE.

(##) KEYED NOTES

01 PROVIDE POWER RECEPTACLE TO SERVE RECIRCULATION PUMP AND MIXING VALVE ASSEMBLY. COORDINATE ROUGH IN LOCATION WITH PLUMBING INSTALLER.

02 PROVIDE CORD AND PLUG CONNECTION TO TRAP PRIMER. LOCATE RECEPTACLE WITHIN 3' OF EQUIPMENT.

03 PROVIDE POWER RECEPTACLE BELOW CEILING FOR PLUG IN POWER SUPPLY TO SERVE POWERED WATER CONDITIONER.



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REVISIONS:

#	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

MECHANICAL POWER PLAN - LEVEL 01 - BUILDING 1

COMMISSION NUMBER:

26K014

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DRAWING NUMBER:

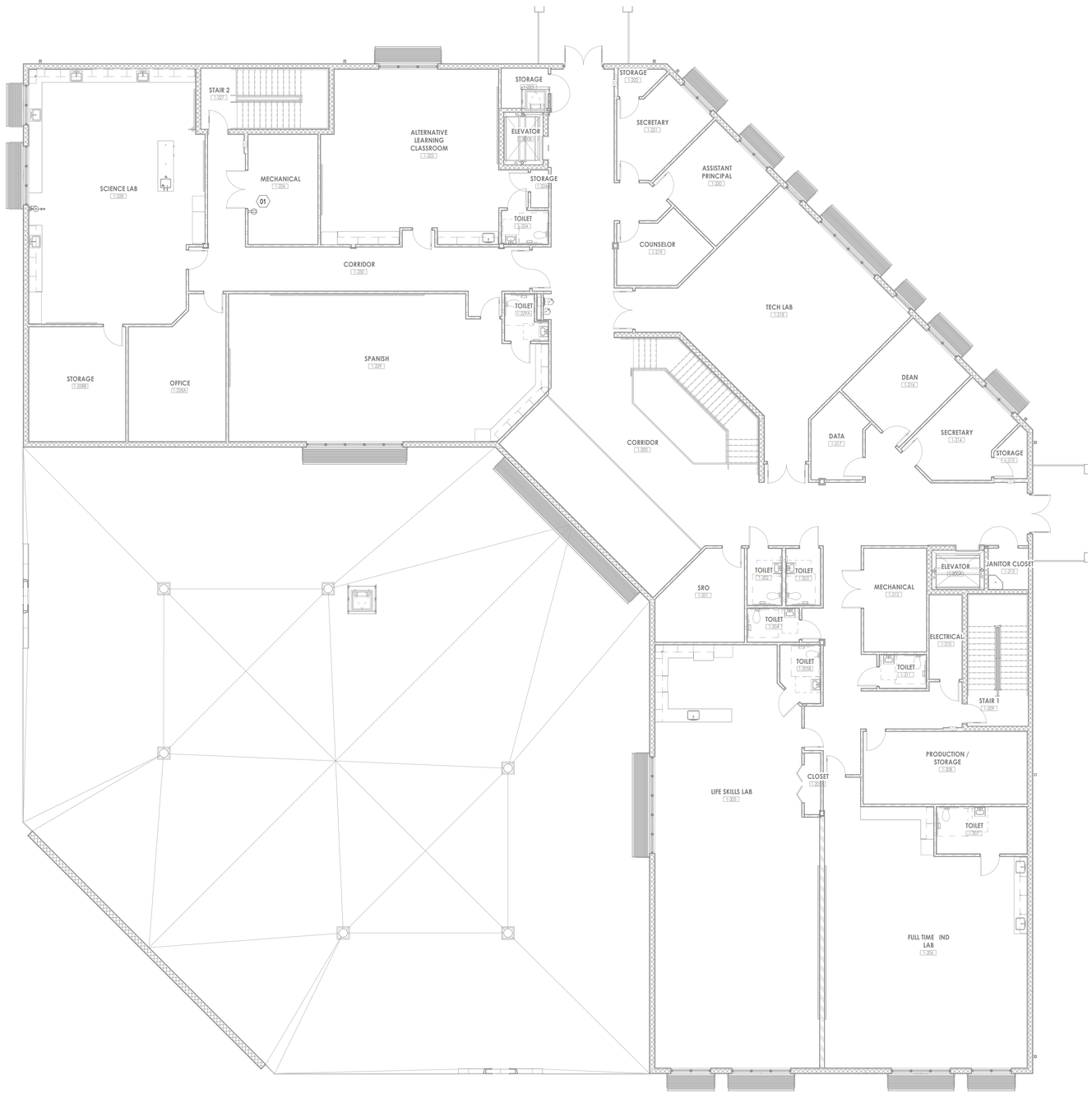
E3.1

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DRAWN BY:Author CHECKED BY:Checker



1 MECH POWER - LEVEL 2 - BUILDING 1
E3.2 1/8" = 1'-0"

GENERAL NOTES

A. COORDINATE ALL REQUIRED CONDUIT AND BOXES WITH MECHANICAL AND PLUMBING CONTRACTORS, INCLUDING LOW-VOLTAGE PATHWAYS AND CONTROLS CONDUIT. CONCEAL ALL INFRASTRUCTURE TO FURTHEST EXTENT POSSIBLE.

B. PROVIDE 120V EMERGENCY POWER TO ALL FIRE/SMOKE DAMPERS. VERIFY QUANTITY AND LOCATION OF ALL DAMPERS WITH MECHANICAL DRAWINGS. REFER TO FIRE ALARM DRAWINGS FOR ADDITIONAL REQUIREMENTS.

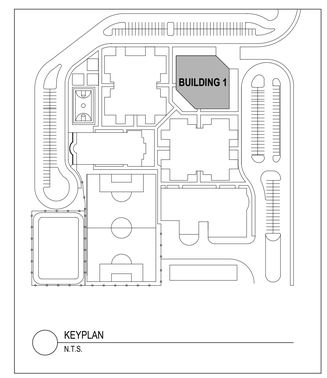
C. ALL POWER AND CONTROL CONDUIT ROUTED TO EXTERIOR ON-GRADE MECHANICAL EQUIPMENT SHALL BE ROUTED UNDERGROUND UNLESS OTHERWISE NOTED. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

D. ALL POWER AND CONTROL CONDUIT ROUTED TO ROOF MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT AND GENERAL CONTRACTOR TO LIMIT THE NUMBER OF ROOF PENETRATIONS. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

E. A GFI, SERVICE RECEPTACLE MUST BE PROVIDED FOR ALL SERVICEABLE EQUIPMENT PER NEC. TOTAL DISTANCE FROM EQUIPMENT TO OUTLET SHALL NOT EXCEED 25'. LOCATE OUTLET AT EQUIPMENT'S ELEVATION IN OPEN CEILINGS OR 6" BELOW CEILING PLANE.

(##) KEYED NOTES

01 PROVIDE CORD AND PLUG CONNECTION TO TRAP PRIMER. LOCATE RECEPTACLE WITHIN 3' OF EQUIPMENT.



KEYPLAN
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FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

MECHANICAL POWER PLAN - LEVEL 02 - BUILDING 1

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E3.2

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3"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

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GENERAL NOTES

A. COORDINATE ALL REQUIRED CONDUIT AND BOXES WITH MECHANICAL AND PLUMBING CONTRACTORS, INCLUDING LOW-VOLTAGE PATHWAYS AND CONTROLS CONDUIT. CONCEAL ALL INFRASTRUCTURE TO FURTHEST EXTENT POSSIBLE.

B. PROVIDE 120V EMERGENCY POWER TO ALL FIRE/SMOKE DAMPERS. VERIFY QUANTITY AND LOCATION OF ALL DAMPERS WITH MECHANICAL DRAWINGS. REFER TO FIRE ALARM DRAWINGS FOR ADDITIONAL REQUIREMENTS.

C. ALL POWER AND CONTROL CONDUIT ROUTED TO EXTERIOR ON-GRADE MECHANICAL EQUIPMENT SHALL BE ROUTED UNDERGROUND UNLESS OTHERWISE NOTED. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

D. ALL POWER AND CONTROL CONDUIT ROUTED TO ROOF MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT AND GENERAL CONTRACTOR TO LIMIT THE NUMBER OF ROOF PENETRATIONS. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

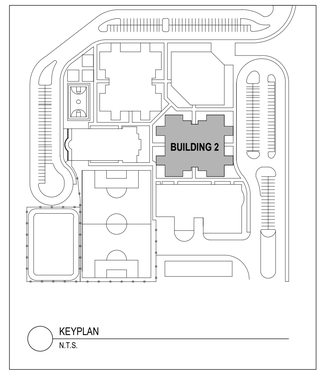
E. A GFI, SERVICE RECEPTACLE MUST BE PROVIDED FOR ALL SERVICEABLE EQUIPMENT PER NEC. TOTAL DISTANCE FROM EQUIPMENT TO OUTLET SHALL NOT EXCEED 25'. LOCATE OUTLET AT EQUIPMENT'S ELEVATION IN OPEN CEILINGS OR 6" BELOW CEILING PLANE.

KEYED NOTES

01 PROVIDE CORD AND PLUG CONNECTION TO TRAP PRIMER. LOCATE RECEPTACLE WITHIN 3' OF EQUIPMENT.



1 MECH POWER - LEVEL 1 - BUILDING 2
E3.3 1/8" = 1'-0"



KEYPLAN
N.T.S.

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SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

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FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

MECHANICAL POWER PLAN - LEVEL 01 - BUILDING 2

COMMISSION NUMBER:

26K014

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DRAWING NUMBER:

E3.3

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GENERAL NOTES

A. COORDINATE ALL REQUIRED CONDUIT AND BOXES WITH MECHANICAL AND PLUMBING CONTRACTORS, INCLUDING LOW-VOLTAGE PATHWAYS AND CONTROLS CONDUIT. CONCEAL ALL INFRASTRUCTURE TO FURTHEST EXTENT POSSIBLE.

B. PROVIDE 120V EMERGENCY POWER TO ALL FIRE/SMOKE DAMPERS. VERIFY QUANTITY AND LOCATION OF ALL DAMPERS WITH MECHANICAL DRAWINGS. REFER TO FIRE ALARM DRAWINGS FOR ADDITIONAL REQUIREMENTS.

C. ALL POWER AND CONTROL CONDUIT ROUTED TO EXTERIOR ON-GRADE MECHANICAL EQUIPMENT SHALL BE ROUTED UNDERGROUND UNLESS OTHERWISE NOTED. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

D. ALL POWER AND CONTROL CONDUIT ROUTED TO ROOF MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT AND GENERAL CONTRACTOR TO LIMIT THE NUMBER OF ROOF PENETRATIONS. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

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KEYED NOTES

01 PROVIDE CORD AND PLUG CONNECTION TO TRAP PRIMER. LOCATE RECEPTACLE WITHIN 3' OF EQUIPMENT.



KEYPLAN
N.T.S.

1 E3.4 MECH POWER - LEVEL 2 - BUILDING 2
1/8" = 1'-0"

CODE REVIEW:

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DRAWING TITLE:

MECHANICAL POWER PLAN - LEVEL 02 - BUILDING 2

COMMISSION NUMBER:

26K014

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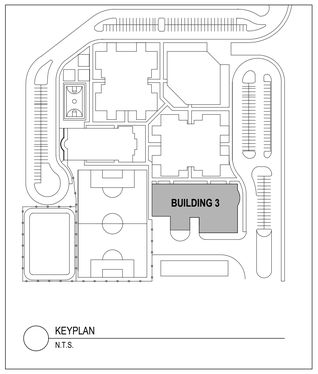
E3.4

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DRAWN BY:Author CHECKED BY:Checker



KEYPLAN
N.T.S.

GENERAL NOTES

A. COORDINATE ALL REQUIRED CONDUIT AND BOXES WITH MECHANICAL AND PLUMBING CONTRACTORS, INCLUDING LOW-VOLTAGE PATHWAYS AND CONTROLS CONDUIT. CONCEAL ALL INFRASTRUCTURE TO FURTHEST EXTENT POSSIBLE.

B. PROVIDE 120V EMERGENCY POWER TO ALL FIRE/SMOKE DAMPERS. VERIFY QUANTITY AND LOCATION OF ALL DAMPERS WITH MECHANICAL DRAWINGS. REFER TO FIRE ALARM DRAWINGS FOR ADDITIONAL REQUIREMENTS.

C. ALL POWER AND CONTROL CONDUIT ROUTED TO EXTERIOR ON-GRADE MECHANICAL EQUIPMENT SHALL BE ROUTED UNDERGROUND UNLESS OTHERWISE NOTED. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

D. ALL POWER AND CONTROL CONDUIT ROUTED TO ROOF MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT AND GENERAL CONTRACTOR TO LIMIT THE NUMBER OF ROOF PENETRATIONS. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

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KEYED NOTES

(##)



1 E3.5 MECH POWER - LEVEL 1 - BUILDING 3
1/8" = 1'-0"

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	REVISION NAME	DATE
1		

FOR BID: DD/MM/YYYY

DRAWING TITLE:

MECHANICAL POWER PLAN - LEVEL 01 - BUILDING 3

COMMISSION NUMBER:

26K014

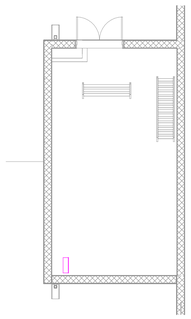
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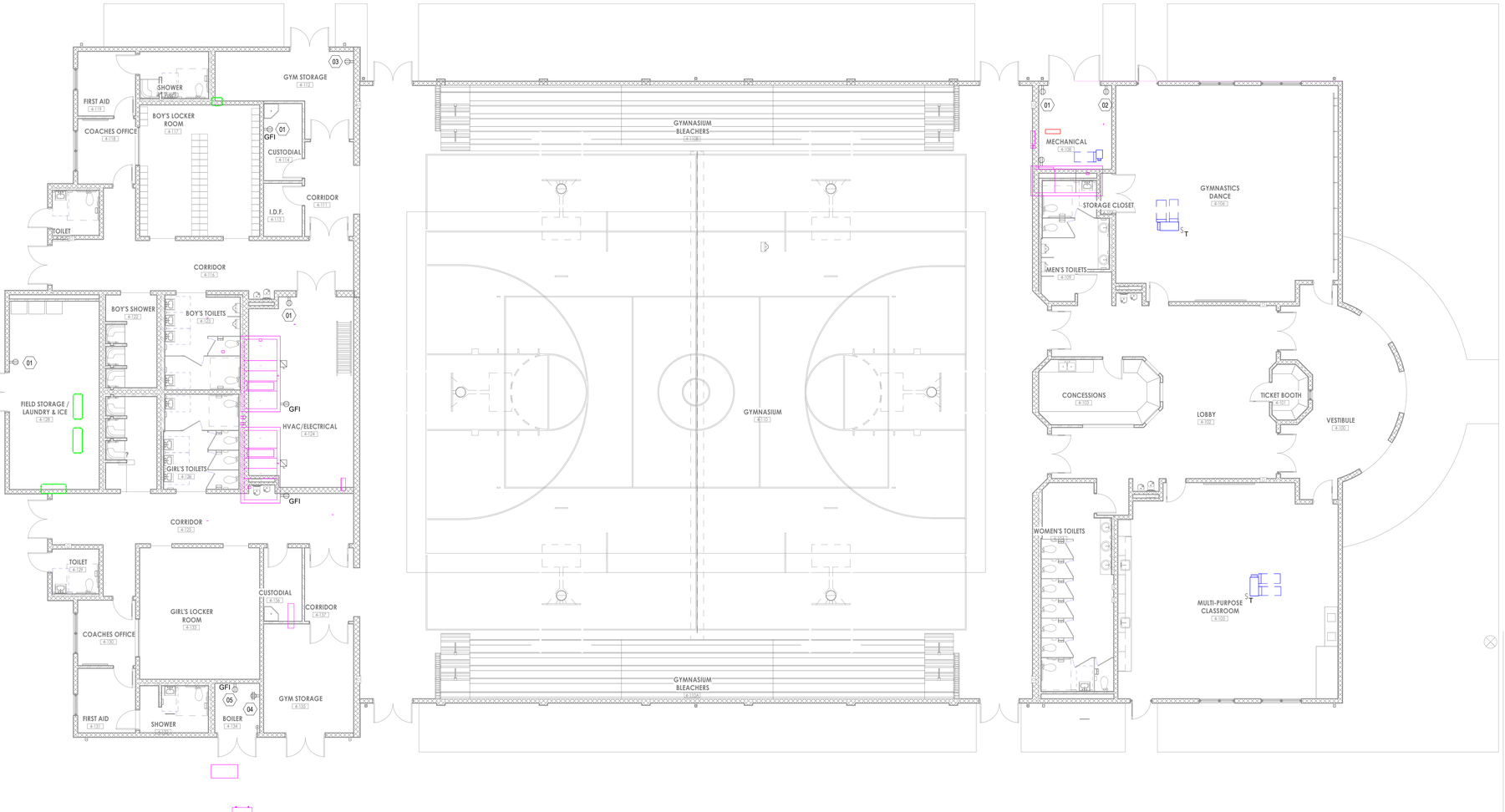
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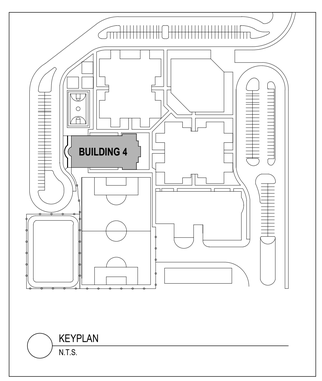
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2 E3.6 MECH POWER - LEVEL 2 - BUILDING 4
1/8" = 1'-0"



1 E3.6 MECH POWER - LEVEL 1 - BUILDING 4
1/8" = 1'-0"



KEYPLAN
N.T.S.

GENERAL NOTES

A. COORDINATE ALL REQUIRED CONDUIT AND BOXES WITH MECHANICAL AND PLUMBING CONTRACTORS, INCLUDING LOW-VOLTAGE PATHWAYS AND CONTROLS CONDUIT. CONCEAL ALL INFRASTRUCTURE TO FURTHEST EXTENT POSSIBLE.

B. PROVIDE 120V EMERGENCY POWER TO ALL FIRE/SMOKE DAMPERS. VERIFY QUANTITY AND LOCATION OF ALL DAMPERS WITH MECHANICAL DRAWINGS. REFER TO FIRE ALARM DRAWINGS FOR ADDITIONAL REQUIREMENTS.

C. ALL POWER AND CONTROL CONDUIT ROUTED TO EXTERIOR ON-GRADE MECHANICAL EQUIPMENT SHALL BE ROUTED UNDERGROUND UNLESS OTHERWISE NOTED. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

D. ALL POWER AND CONTROL CONDUIT ROUTED TO ROOF MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT AND GENERAL CONTRACTOR TO LIMIT THE NUMBER OF ROOF PENETRATIONS. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

E. A GFI, SERVICE RECEPTACLE MUST BE PROVIDED FOR ALL SERVICEABLE EQUIPMENT PER NEC. TOTAL DISTANCE FROM EQUIPMENT TO OUTLET SHALL NOT EXCEED 25'. LOCATE OUTLET AT EQUIPMENT'S ELEVATION IN OPEN CEILINGS OR 6" BELOW CEILING PLANE.

(##) KEYED NOTES

01 PROVIDE CORD AND PLUG CONNECTION TO TRAP PRIMER. VERIFY LOCATION AND MOUNTING HEIGHT WITH PLUMBING CONTRACTOR BEFORE INSTALLATION. LOCATE RECEPTACLE WITHIN 3' OF EQUIPMENT.

02 PROVIDE POWER RECEPTACLE FOR PLUG IN POWER SUPPLY TO SERVE POWERED WATER CONDITIONER.

03 PROVIDE POWER RECEPTACLE ABOVE CEILING FOR PLUG IN POWER SUPPLY TO SERVE POWERED WATER CONDITIONER. VERIFY LOCATION AND MOUNTING HEIGHT IN THE FIELD WITH PLUMBING CONTRACTOR BEFORE INSTALLATION. LOCATE RECEPTACLE WITHIN 3' OF EQUIPMENT.

04 PROVIDE POWER RECEPTACLE TO SERVE POWERED WATER CONDITIONER, RECIRCULATION PUMP AND MIXING VALVE ASSEMBLY. COORDINATE ROUGH IN LOCATION WITH PLUMBING INSTALLER.

05 PROVIDE POWER FOR GAS WATER HEATER CONTROLS AND GAS DETECTION SYSTEM CONTROL PANEL. PROVIDE CONDUIT PATHWAY TO DETECTION DEVICE AND EMERGENCY SHUTOFF BUTTON LOCATED OUTSIDE OF ROOM. COORDINATE WIRING REQUIREMENTS WITH PLUMBING INSTALLER.

CODE REVIEW:

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SPIEZLE ARCHITECTURAL GROUP INC.
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PHONE: 866.974.7666

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JOHN F. WRIGHT	AR101341
STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

MECHANICAL POWER PLAN - LEVEL 01 - BUILDING 4

COMMISSION NUMBER:
26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:
E3.6

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Autodesk Docs://26K014 - St Lucie PS - Green Zone K-8/26K014 - St Lucie Green Zone_Ev26.rvt

DRAWN BY:Author CHECKED BY:Checker

GENERAL NOTES

A. COORDINATE ALL REQUIRED CONDUIT AND BOXES WITH MECHANICAL AND PLUMBING CONTRACTORS, INCLUDING LOW-VOLTAGE PATHWAYS AND CONTROLS CONDUIT. CONCEAL ALL INFRASTRUCTURE TO FURTHEST EXTENT POSSIBLE.

B. PROVIDE 120V EMERGENCY POWER TO ALL FIRE/SMOKE DAMPERS. VERIFY QUANTITY AND LOCATION OF ALL DAMPERS WITH MECHANICAL DRAWINGS. REFER TO FIRE ALARM DRAWINGS FOR ADDITIONAL REQUIREMENTS.

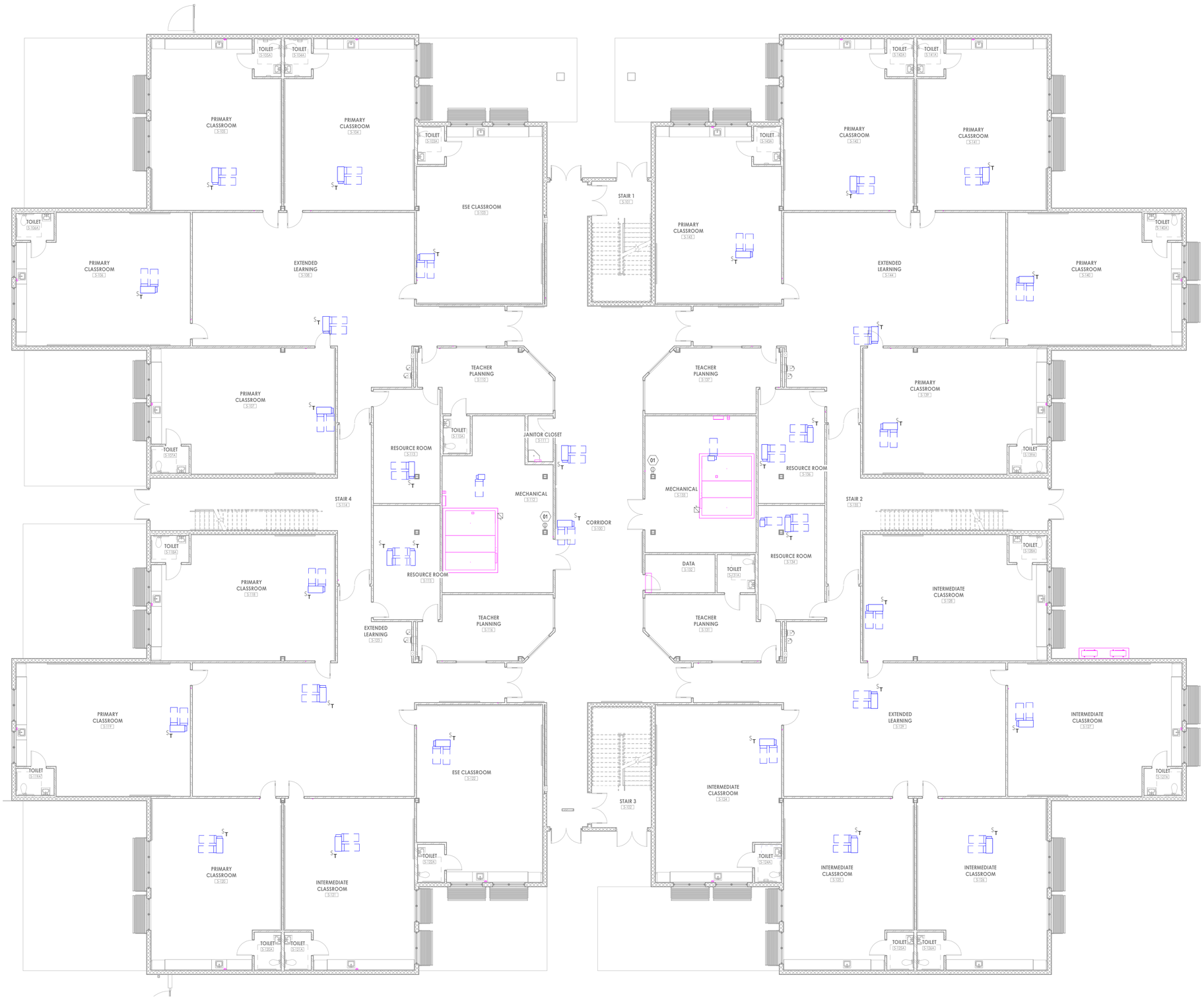
C. ALL POWER AND CONTROL CONDUIT ROUTED TO EXTERIOR ON-GRADE MECHANICAL EQUIPMENT SHALL BE ROUTED UNDERGROUND UNLESS OTHERWISE NOTED. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

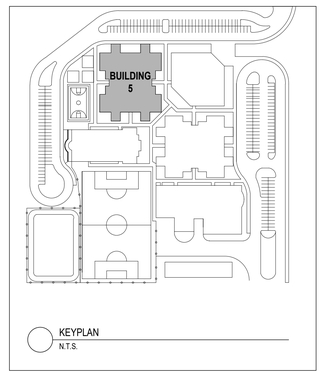
D. ALL POWER AND CONTROL CONDUIT ROUTED TO ROOF MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT AND GENERAL CONTRACTOR TO LIMIT THE NUMBER OF ROOF PENETRATIONS. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

E. A GFI, SERVICE RECEPTACLE MUST BE PROVIDED FOR ALL SERVICEABLE EQUIPMENT PER NEC. TOTAL DISTANCE FROM EQUIPMENT TO OUTLET SHALL NOT EXCEED 25'. LOCATE OUTLET AT EQUIPMENT'S ELEVATION IN OPEN CEILINGS OR 6" BELOW CEILING PLANE.

KEYED NOTES

01 PROVIDE CORD AND PLUG CONNECTION TO TRAP PRIMER. LOCATE RECEPTACLE WITHIN 3' OF EQUIPMENT.





KEYPLAN
N.T.S.

CODE REVIEW:

CERTIFICATE:

spiezle

SPIEZLE ARCHITECTURAL GROUP INC.
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JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

#	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

MECHANICAL POWER PLAN - LEVEL 01 - BUILDING 5

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E3.7

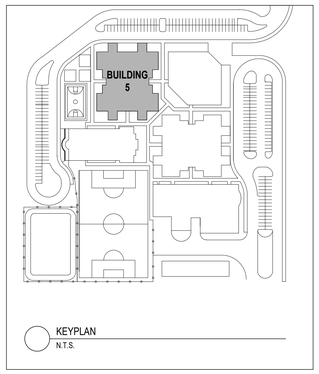
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3"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

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1 MECH POWER - LEVEL 2 - BUILDING 5
E3.8 1/8" = 1'-0"



KEYPLAN
N.T.S.

GENERAL NOTES

A. COORDINATE ALL REQUIRED CONDUIT AND BOXES WITH MECHANICAL AND PLUMBING CONTRACTORS, INCLUDING LOW-VOLTAGE PATHWAYS AND CONTROLS CONDUIT. CONCEAL ALL INFRASTRUCTURE TO FURTHEST EXTENT POSSIBLE.

B. PROVIDE 120V EMERGENCY POWER TO ALL FIRE/SMOKE DAMPERS. VERIFY QUANTITY AND LOCATION OF ALL DAMPERS WITH MECHANICAL DRAWINGS. REFER TO FIRE ALARM DRAWINGS FOR ADDITIONAL REQUIREMENTS.

C. ALL POWER AND CONTROL CONDUIT ROUTED TO EXTERIOR ON-GRADE MECHANICAL EQUIPMENT SHALL BE ROUTED UNDERGROUND UNLESS OTHERWISE NOTED. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

D. ALL POWER AND CONTROL CONDUIT ROUTED TO ROOF MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT AND GENERAL CONTRACTOR TO LIMIT THE NUMBER OF ROOF PENETRATIONS. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

E. A GFI, SERVICE RECEPTACLE MUST BE PROVIDED FOR ALL SERVICEABLE EQUIPMENT PER NEC. TOTAL DISTANCE FROM EQUIPMENT TO OUTLET SHALL NOT EXCEED 25'. LOCATE OUTLET AT EQUIPMENT'S ELEVATION IN OPEN CEILINGS OR 6" BELOW CEILING PLANE.

KEYED NOTES

01 PROVIDE CORD AND PLUG CONNECTION TO TRAP PRIMER. LOCATE RECEPTACLE WITHIN 3' OF EQUIPMENT.

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STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

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FOR

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9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

MECHANICAL POWER PLAN - LEVEL 02 - BUILDING 5

COMMISSION NUMBER:

26K014

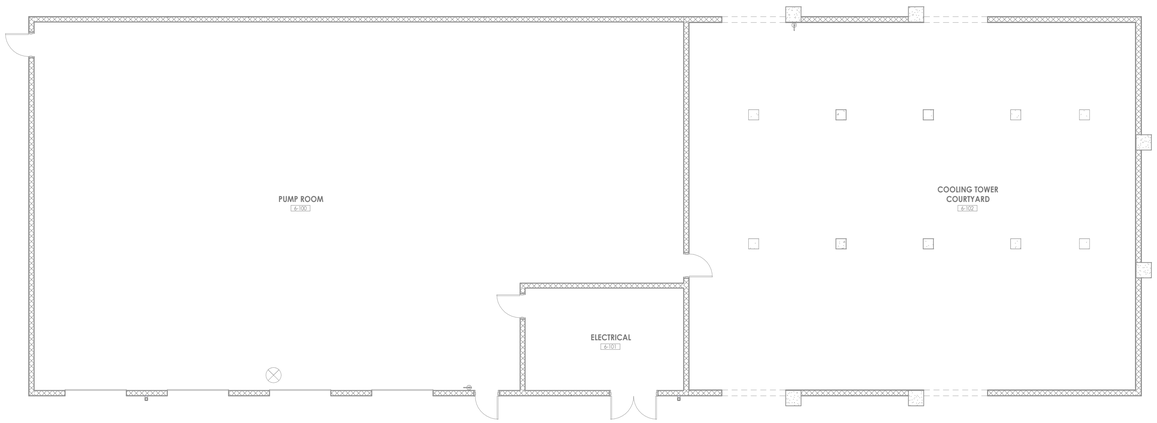
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E3.8

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1 E3.9 MECH POWER - LEVEL 1 - BUILDING 6
1/8" = 1'-0"

GENERAL NOTES

A. COORDINATE ALL REQUIRED CONDUIT AND BOXES WITH MECHANICAL AND PLUMBING CONTRACTORS, INCLUDING LOW-VOLTAGE PATHWAYS AND CONTROLS CONDUIT. CONCEAL ALL INFRASTRUCTURE TO FURTHEST EXTENT POSSIBLE.

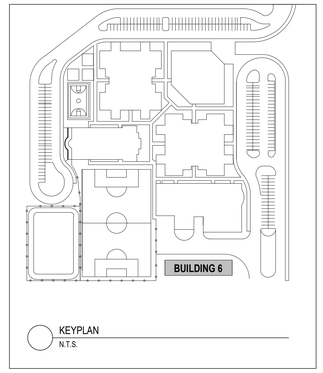
B. PROVIDE 120V EMERGENCY POWER TO ALL FIRE/SMOKE DAMPERS. VERIFY QUANTITY AND LOCATION OF ALL DAMPERS WITH MECHANICAL DRAWINGS. REFER TO FIRE ALARM DRAWINGS FOR ADDITIONAL REQUIREMENTS.

C. ALL POWER AND CONTROL CONDUIT ROUTED TO EXTERIOR ON-GRADE MECHANICAL EQUIPMENT SHALL BE ROUTED UNDERGROUND UNLESS OTHERWISE NOTED. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

D. ALL POWER AND CONTROL CONDUIT ROUTED TO ROOF MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT AND GENERAL CONTRACTOR TO LIMIT THE NUMBER OF ROOF PENETRATIONS. COORDINATE STUB-UP LOCATIONS PRIOR TO ROUGH-IN.

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(##) KEYED NOTES



KEYPLAN
N.T.S.

CODE REVIEW:

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STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

MECHANICAL POWER PLAN - LEVEL 01 - BUILDING 6

COMMISSION NUMBER:

26K014

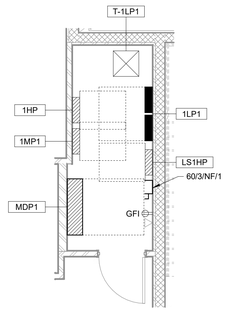
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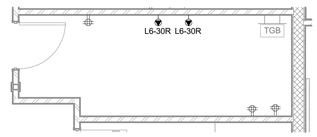
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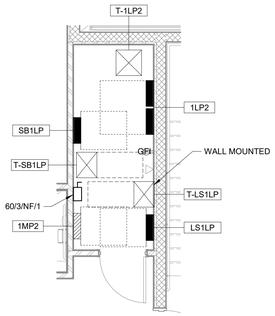
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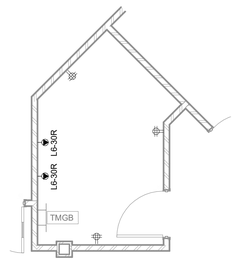
1 E4.1 ENLARGED POWER PLAN - ELEC 1-137 (BLDG 1)
1/4" = 1'-0"



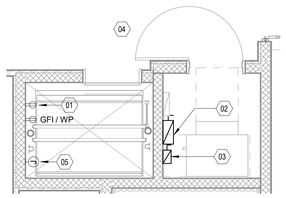
2 E4.1 ENLARGED POWER PLAN - DATA 1-109 (BLDG 1)
1/4" = 1'-0"



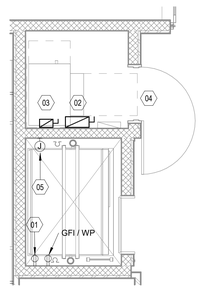
3 E4.1 ENLARGED POWER PLAN - ELEC 1-210 (BLDG 1)
1/4" = 1'-0"



4 E4.1 ENLARGED POWER PLAN - DATA 1-217 (BLDG 1)
1/4" = 1'-0"



5 E4.1 ENLARGED POWER PLAN - ELEVATOR A (BLDG 1)
1/4" = 1'-0"



6 E4.1 ENLARGED POWER PLAN - ELEVATOR B (BLDG 1)
1/4" = 1'-0"

GENERAL NOTES

A. ALL RECEPTACLES AND TELEPHONE/DATA OUTLETS SHALL BE FLUSH-MOUNTED. ALL CONDUIT AND RACEWAY SHALL BE CONCEALED, UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.

B. CONTRACTOR TO VERIFY ALL TELE/DATA LOCATIONS WITH OWNER, PRIOR TO ROUGH-IN.

C. **ALL 15- AND 20- AMPERE, 125- AND 250-VOLT NONLOCKING-TYPE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES, COMPLY WITH NEC 406.12.**

D. ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND ALL THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS LOCATED IN KITCHEN, SERVERY AREAS, AND AREAS WITH A SINK AND PERMANENT PROVISIONS FOR EITHER FOOD PREPARATION OR COOKING SHALL BE GFCI PROTECTED. WHERE RECEPTACLES ARE NOT ACCESSIBLE, PROVIDE PROTECTION THROUGH GFCI TYPE CIRCUIT BREAKER IN PANEL.

E. PROVIDE ACOUSTICAL PUTTY PADS FOR ALL OUTLETS. PROVIDE FIRE-RATED PUTTY PADS WHERE REQUIRED. DO NOT LOCATE OUTLETS IN SAME WALL CAVITY WHERE EVER POSSIBLE.

F. DO NOT SCALE PLANS. LOCATE OUTLETS CENTERED AND SYMMETRICALLY ALONG WALLS WHERE EVER PRACTICAL.

G. THESE DRAWINGS MAY NOT SHOW EVERY BOX, CONDUIT, DEVICE NEEDED FOR A COMPLETE, FUNCTION POWER SYSTEM. CONTRACTOR SHALL PROVIDE ALL REQUIRED COMPONENTS NEEDED AS REQUIRED FOR MEANS & METHODS AND AS PER MANUFACTURER'S RECOMMENDATIONS.

H. COORDINATE ANY CORE-DRILLING AND SAW-CUTTING OF SLABS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO STARTING WORK.

KEYED NOTES

01 PROVIDE 20A, 120V CIRCUIT TO SUMP PUMP RECEPTACLE IN ELEVATOR PIT. MOUNT HEAVY DUTY TOGGLE SWITCH IN ELEVATOR MACHINE ROOM. VERIFY SUMP PUMP REQUIREMENTS WITH PLUMBING INSTALLER PRIOR TO ROUGH-IN.

02 PROVIDE A 60AF / 50AT / 3POLE, NEMA 1, MOTOR ELEVATOR DISCONNECT WITH A DUAL ELEMENT TIME DELAY

03 PROVIDE A 30AF / 20AT / 1 POLE, NEMA 1 DISCONNECT FOR ELEVATOR CAB LIGHTING.

04 COORDINATE ALL REQUIREMENTS WITH ELEVATOR MANUFACTURER'S SHOP DRAWINGS.

05 PROVIDE CIRCUIT FOR ELEVATOR CONTROLS. PROVIDE FUSED MOTOR CIRCUIT SWITCH IN PIT CAPABLE OF BEING LOCKED IN THE OPEN POSITION.

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PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

ENLARGED POWER PLANS - BUILDING 1

COMMISSION NUMBER:
26K014

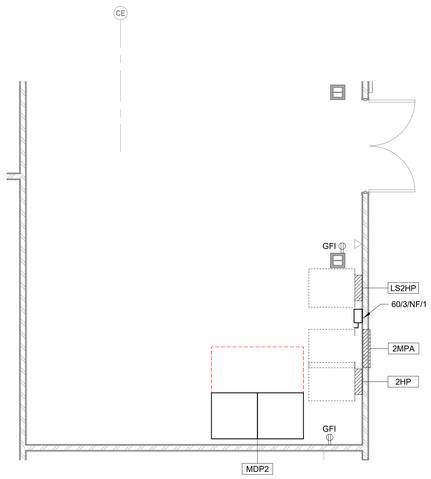
DO NOT SCALE THE DRAWINGS

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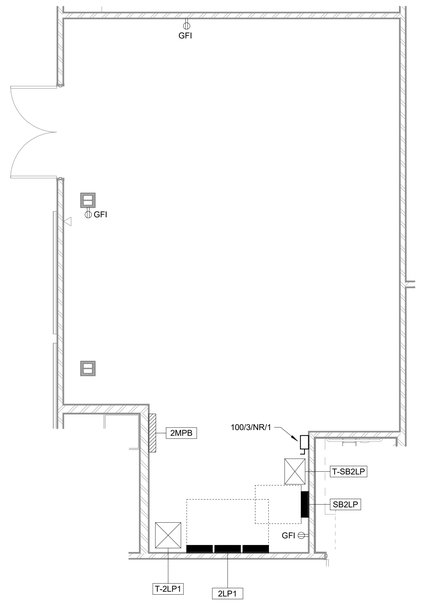
E4.1

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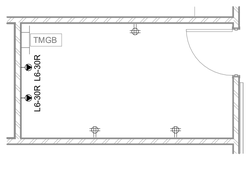
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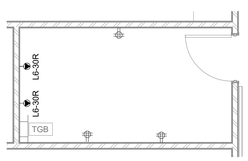
1 E4.2 ENLARGED POWER PLAN - MECHANICAL 2-133 (BLDG 2)
1/4" = 1'-0"



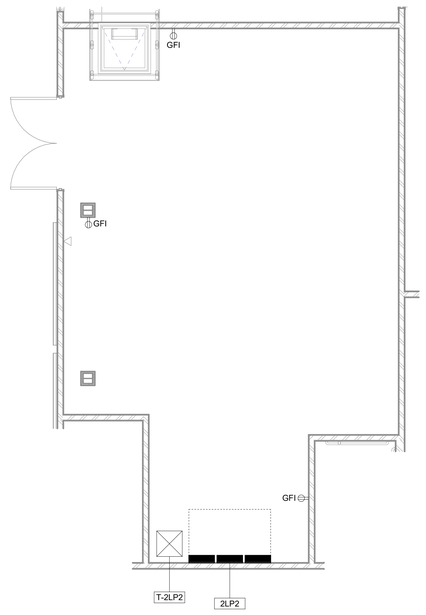
2 E4.2 ENLARGED POWER PLAN - MECHANICAL 2-112 (BLDG 2)
1/4" = 1'-0"



3 E4.2 ENLARGED POWER PLAN - DATA 2-132 (BLDG 2)
1/4" = 1'-0"



4 E4.2 ENLARGED PLAN - DATA 2-242 (BLDG 2)
1/4" = 1'-0"



6 E4.2 ENLARGED POWER PLAN - MECHANICAL 2-217 (BLDG 2)
1/4" = 1'-0"

GENERAL NOTES

A. ALL RECEPTACLES AND TELEPHONE/DATA OUTLETS SHALL BE FLUSH-MOUNTED. ALL CONDUIT AND RACEWAY SHALL BE CONCEALED, UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.

B. CONTRACTOR TO VERIFY ALL TELE/DATA LOCATIONS WITH OWNER, PRIOR TO ROUGH-IN.

C. ALL 15- AND 20- AMPERE, 125- AND 250-VOLT NONLOCKING-TYPE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. COMPLY WITH NEC 406.12.

D. ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND ALL THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS LOCATED IN KITCHEN, SERVERY AREAS, AND AREAS WITH A SINK AND PERMANENT PROVISIONS FOR EITHER FOOD PREPARATION OR COOKING SHALL BE GFCI PROTECTED. WHERE RECEPTACLES ARE NOT ACCESSIBLE, PROVIDE PROTECTION THROUGH GFCI TYPE CIRCUIT BREAKER IN PANEL.

E. PROVIDE ACOUSTICAL PUTTY PADS FOR ALL OUTLETS. PROVIDE FIRE-RATED PUTTY PADS WHERE REQUIRED. DO NOT LOCATE OUTLETS IN SAME WALL CAVITY WHERE EVER POSSIBLE.

F. DO NOT SCALE PLANS, LOCATE OUTLETS CENTERED AND SYMMETRICALLY ALONG WALLS WHERE EVER PRACTICAL.

G. THESE DRAWINGS MAY NOT SHOW EVERY BOX, CONDUIT, DEVICE NEEDED FOR A COMPLETE, FUNCTION POWER SYSTEM. CONTRACTOR SHALL PROVIDE ALL REQUIRED COMPONENTS NEEDED AS REQUIRED FOR MEANS & METHODS AND AS PER MANUFACTURER'S RECOMMENDATIONS.

H. COORDINATE ANY CORE-DRILLING AND SAW-CUTTING OF SLABS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO STARTING WORK.

(##) KEYED NOTES

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

ANTHONY DONADIO	AR0013456
STEVEN G. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

ENLARGED POWER PLANS - BUILDING 2

COMMISSION NUMBER:

26K014

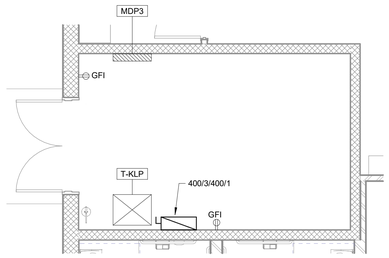
DO NOT SCALE THE DRAWINGS

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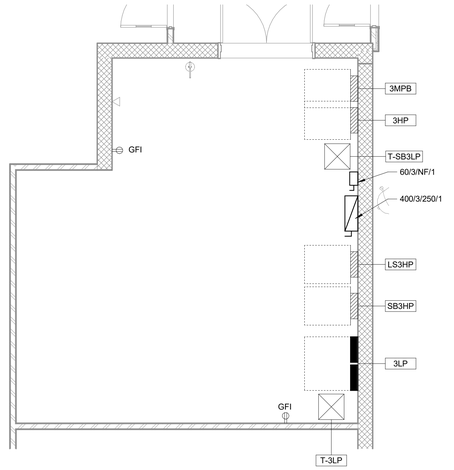
E4.2

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

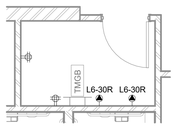
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1 E4.3 ENLARGED POWER PLAN - MECH/ELEC 1-196 (BLDG 3)
1/4" = 1'-0"



2 E4.3 ENLARGED POWER PLAN - MECH/ELEC 1-242 (BLDG 3)
1/4" = 1'-0"



3 E4.3 ENLARGED POWER PLAN - DATA 3-163 (BLDG 3)
1/4" = 1'-0"

GENERAL NOTES

A. ALL RECEPTACLES AND TELEPHONE/DATA OUTLETS SHALL BE FLUSH-MOUNTED. ALL CONDUIT AND RACEWAY SHALL BE CONCEALED, UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.

B. CONTRACTOR TO VERIFY ALL TELE/DATA LOCATIONS WITH OWNER, PRIOR TO ROUGH-IN.

C. **ALL 15- AND 20- AMPERE, 125- AND 250-VOLT NONLOCKING-TYPE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES, COMPLY WITH NEC 406.12.**

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F. DO NOT SCALE PLANS, LOCATE OUTLETS CENTERED AND SYMMETRICALLY ALONG WALLS WHERE EVER PRACTICAL.

G. THESE DRAWINGS MAY NOT SHOW EVERY BOX, CONDUIT, DEVICE NEEDED FOR A COMPLETE, FUNCTION POWER SYSTEM. CONTRACTOR SHALL PROVIDE ALL REQUIRED COMPONENTS NEEDED AS REQUIRED FOR MEANS & METHODS AND AS PER MANUFACTURER'S RECOMMENDATIONS.

H. COORDINATE ANY CORE-DRILLING AND SAW-CUTTING OF SLABS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO STARTING WORK.

(##) KEYED NOTES

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
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VERO BEACH, FL 32960
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STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE
1		

FOR BID: DD/MM/YYYY

DRAWING TITLE:

ENLARGED POWER PLANS - BUILDING 3

COMMISSION NUMBER:
26K014

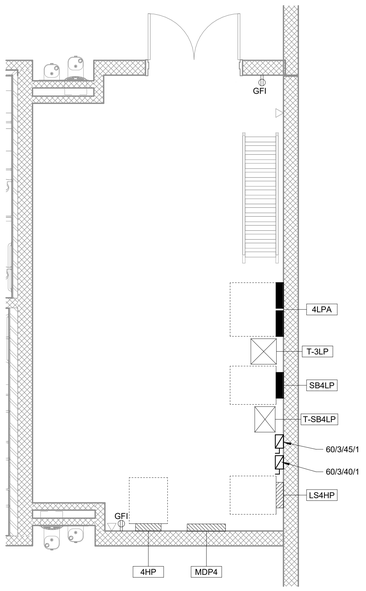
DO NOT SCALE THE DRAWINGS

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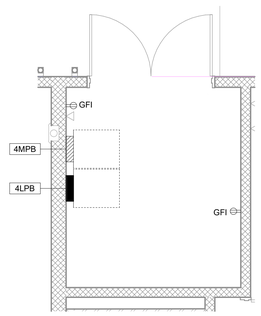
E4.3

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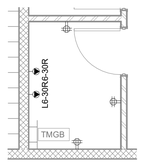
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1 E4.4 ENLARGED POWER PLAN - HVAC/ELEC 3-163 (BLDG 4)
1/4" = 1'-0"



2 E4.4 ENLARGED POWER PLAN - MECHANICAL 3-146 (BLDG 4)
1/4" = 1'-0"



3 E4.4 ENLARGED POWER PLAN - I.D.F. 4-113 (BLDG 4)
1/4" = 1'-0"

GENERAL NOTES

A. ALL RECEPTACLES AND TELEPHONE/DATA OUTLETS SHALL BE FLUSH-MOUNTED. ALL CONDUIT AND RACEWAY SHALL BE CONCEALED, UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.

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H. COORDINATE ANY CORE-DRILLING AND SAW-CUTTING OF SLABS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO STARTING WORK.

KEYED NOTES

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VERO BEACH, FL. 32960
PHONE: 866.974.7666

SIGNATURE:

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STEVEN G. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

ENLARGED POWER PLANS - BUILDING 4

COMMISSION NUMBER:

26K014

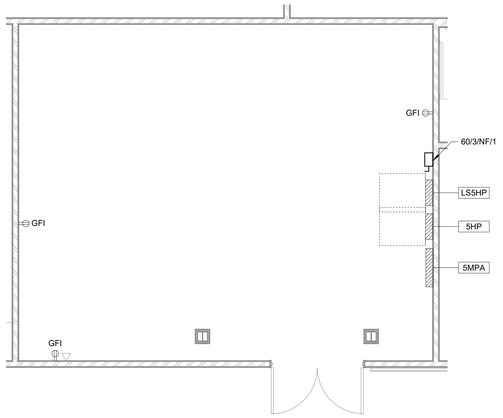
DO NOT SCALE THE DRAWINGS

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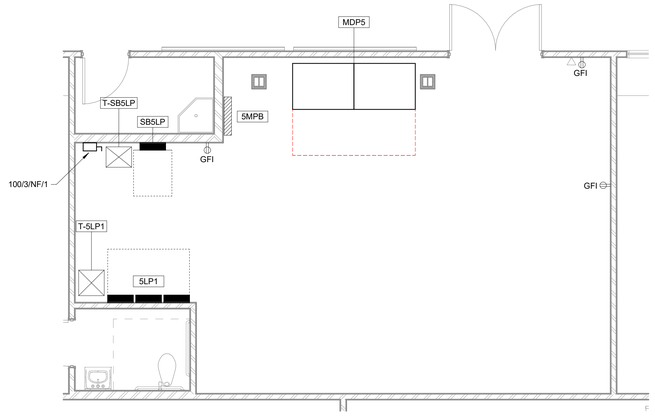
E4.4

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1 E4.5 ENLARGED POWER PLAN - MECHANICAL 5-133 (BLDG 5)
1/4" = 1'-0"



2 E4.5 ENLARGED POWER PLAN - MECHANICAL 5-112 (BLDG 5)
1/4" = 1'-0"

3 E4.5 ENLARGED POWER PLAN - DATA 5-132 (BLDG 5)
1/4" = 1'-0"

4 E4.5 ENLARGED POWER PLAN - MECHANICAL 5-217 (BLDG 5)
1/4" = 1'-0"

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JOHN F. WRIGHT	AR101341
STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE
1		

FOR BID: DD/MM/YYYY

DRAWING TITLE:

ENLARGED POWER PLANS - BUILDING 5

COMMISSION NUMBER:

26K014

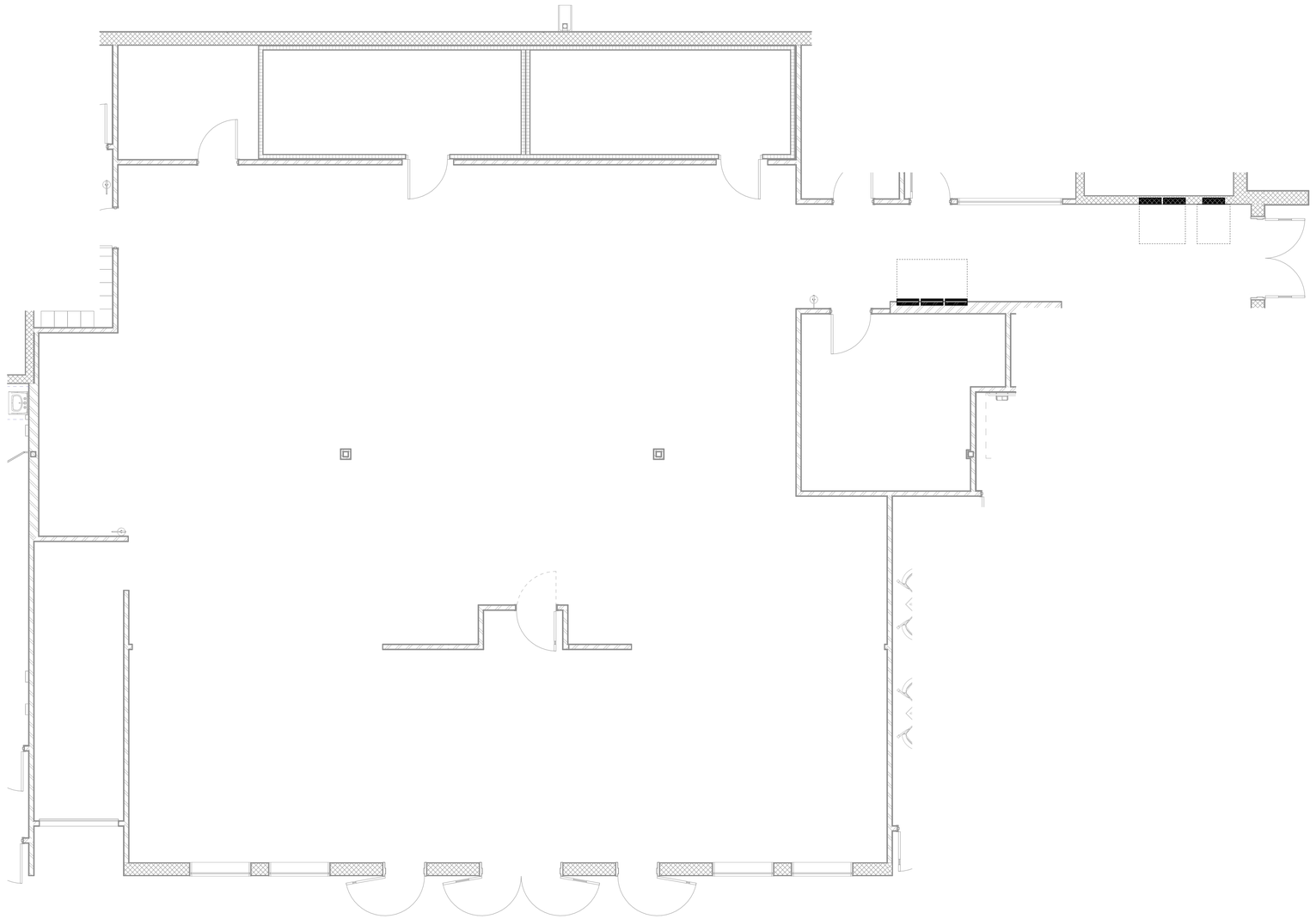
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DRAWING NUMBER:

E4.5

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1 E4.6 ENLARGED POWER PLAN - KITCHEN
1/4" = 1'-0"

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

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SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE
1		

FOR BID: DD/MM/YYYY

DRAWING TITLE:

ENLARGED POWER PLAN - KITCHEN

COMMISSION NUMBER:

26K014

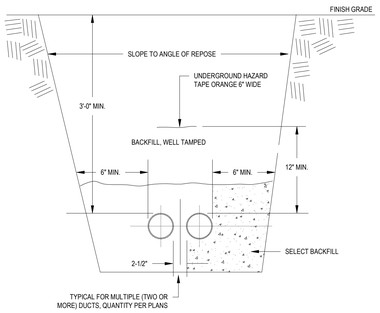
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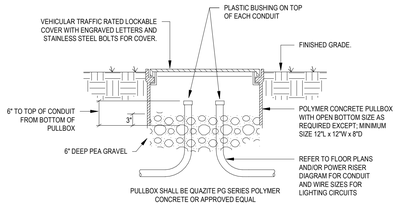
E4.6

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

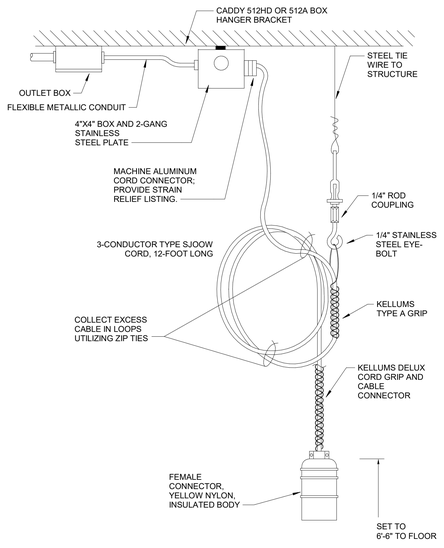
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1 E5.0 **TYPICAL TRENCH DETAIL**
NTS



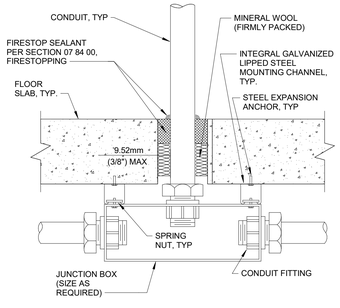
2 E5.0 **HANDHOLE/PULL BOX DETAIL**
NTS



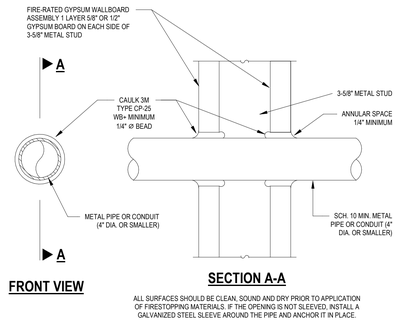
NOTES:

1. ALL RECTRACTABLE CORD REELS AND SO CORDS SHALL BE TYPE SOOW.
2. S.O. CORDS SHALL BE OF THE SAME CONDUCTOR QUANTITY AND GAUGE AS INDICATED FOR THE CIRCUIT.
3. ALL RETRACTABLE CORD REELS AND SO CORDS SHALL BE PROVIDED WITH STRAIN RELIEFS AT BOTH THE ABOVE-CEILING ELECTRICAL CONNECTION AND AT THE FEMALE PLUG END.
4. INSTALLATION OF ALL SO CORDS AND RETRACTABLE CORD REELS SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC ARTICALE 400 "FLEXIBLE CORDS AND CABLES".

3 E5.0 **ELECTRICAL DROP CORD DETAIL**
NOT TO SCALE



4 E5.0 **FLOOR SLAB PENETRATION DETAIL**
NOT TO SCALE



5 E5.0 **ONE HOUR FIREWALL PENETRATION DETAIL**
NOT TO SCALE

CODE REVIEW:

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SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

#	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

ELECTRICAL DETAILS

COMMISSION NUMBER:

26K014

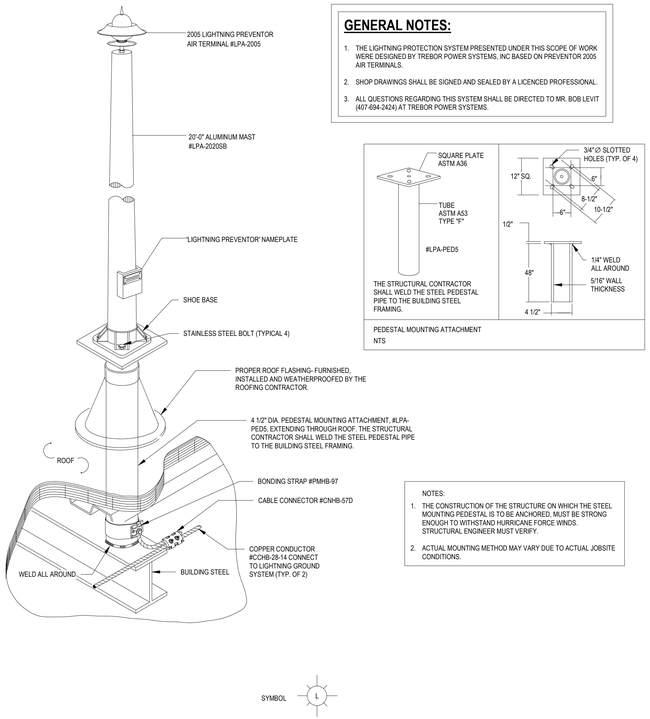
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E5.0

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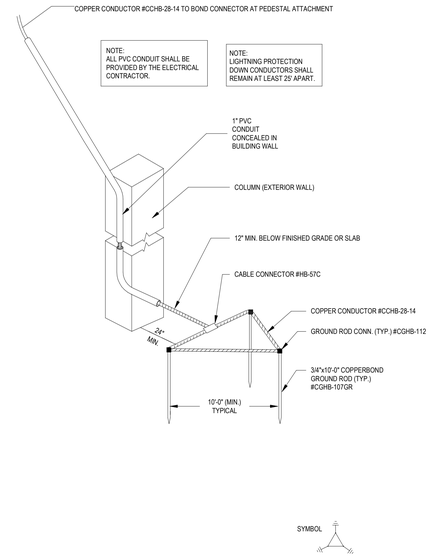
GENERAL NOTES:

1. THE LIGHTNING PROTECTION SYSTEM PRESENTED UNDER THIS SCOPE OF WORK WERE DESIGNED BY TREBOR POWER SYSTEMS, INC BASED ON PREVENTOR 2005 AIR TERMINALS.
2. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A LICENCED PROFESSIONAL.
3. ALL QUESTIONS REGARDING THIS SYSTEM SHALL BE DIRECTED TO MR. BOB LEVIT (407-694-2424) AT TREBOR POWER SYSTEMS.

PEDESTAL MOUNTING ATTACHMENT
NTS

NOTES:
1. THE CONSTRUCTION OF THE STRUCTURE ON WHICH THE STEEL MOUNTING PEDESTAL IS TO BE ANCHORED, MUST BE STRONG ENOUGH TO WITHSTAND HURRICANE FORCE WINDS. STRUCTURAL ENGINEER MUST VERIFY.
2. ACTUAL MOUNTING METHOD MAY VARY DUE TO ACTUAL JOBSITE CONDITIONS.

1 E5.1 LIGHTING MAST AT STEEL FRAMING DETAIL
NOT TO SCALE



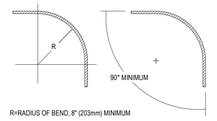
NOTES:

1. PROVIDE BONDING CONNECTION #CMHB-97 TO WATERLINE (FIRE & DOMESTIC) AND CONNECT COPPER CABLE #CCHB-28-14 TO NEAREST DOWN CONDUCTOR, GROUND ROD OR STRUCTURAL STEEL FRAMEWORK.
2. PROVIDE BONDING CONNECTION #PPHB-54D TO STRUCTURAL STEEL OR REBAR AT EACH DOWN CONDUCTOR, AND CONNECT COPPER CABLE #CCHB-28-14 TO NEAREST DOWN CONDUCTOR OR GROUND ROD.
3. THE LIGHTNING PROTECTION SYSTEM INSTALLING CONTRACTOR SHALL PERFORM A RESISTANCE-TO-GROUND TEST IMMEDIATELY AFTER DRIVING GROUND RODS. THE TEST RESULTS FOR EACH GROUND ROD SHALL BE RECORDED ON THE AS-BUILT DRAWING AND FORWARDED TO THE LIGHTNING PROTECTION EQUIPMENT MANUFACTURER.
4. THE LIGHTNING PROTECTION INSTALLING CONTRACTOR SHALL PROVIDE PHOTOS OF THE INSTALLATION, INCLUDING BUT NOT LIMITED TO; MAST MOUNTING, BONDING CONNECTIONS (WATERLINES & STRUCTURAL STEEL), DOWN CONDUCTORS, GROUND RODS/GRIDS, AND ALL BURIED, CONCEALED OR INACCESSIBLE CONNECTIONS AND COMPONENTS. PHOTOS SHALL BE FORWARDED TO THE LIGHTNING PROTECTION EQUIPMENT MANUFACTURER.

2 E5.1 LIGHTNING PROTECTION GROUNDING DETAIL
NOT TO SCALE

LIGHTNING PROTECTION MATERIALS

L	EARLY STREAMER EMISSION (E.S.E.) AIR TERMINAL WITH 20'-0" ALUMINUM MAST AND PEDESTAL ATTACHMENT TO STEEL	#LPA-2005, #LPA-2020SB, #LPA-PED5
	COPPER LIGHTNING PROTECTION CABLE	#CCHB-28-14
	CABLE FASTENERS (FASTEN CABLE EVERY 3FT. MAX.)	#CFHB-66, 64/80SS
	CABLE CONNECTOR/BONDING STRAP (TO PEDESTAL ATTACHMENT)	#PPHB-97CR
	BONDING PLATE (TO STEEL)	#PPHB-54D
	CABLE CONNECTOR	#CMHB-57D
	WATERLINE CONNECTOR (FIRE & DOMESTIC)	#CMHB-97
	3/4" x 10'-0" COPPERBOND GROUND ROD AND CONNECTOR	#CGHB-107GR, #CGHB-112



R=RADIUS OF BEND, 8" (203mm) MINIMUM

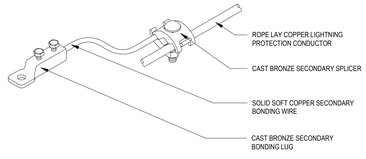
LIGHTNING CABLE SHALL REMAIN IN A HORIZONTAL OR DOWN-WARD PATH AVOIDING "U" & "V" POCKETS (DOWN & UP). NO BEND OF A CONDUCTOR SHALL FORM AN INCLUDED ANGLE OF LESS THAN 90 DEGREES OR HAVE A RADIUS OF BEND LESS THAN 8 INCHES.

3 E5.1 LIGHTNING PROTECTION MATERIALS DETAIL
NOT TO SCALE

LIGHTNING PROTECTION NOTES:

1. LIGHTNING PROTECTION CONDUCTORS SHALL MAINTAIN A HORIZONTAL OR DOWNWARD COURSE, AVOIDING NUMEROUS BENDS AND TURNS. CONDUCTORS SHALL ALSO BE FREE FROM "U" OR "V" (DOWN AND UP) POCKETS.
2. NO BEND OF A CONDUCTOR SHALL FORM AN ANGLE OF LESS THAN 90° NOR SHALL HAVE A RADIUS OF BEND LESS THAN 8 INCHES.
3. ALL ADHESIVE CABLE FASTENERS SHALL BE SECURED TO THE ROOF WITH AN ADHESIVE COMPOUND OR PITCH THAT COMPLIES WITH THE ROOFING BOND REQUIREMENTS PER THE ROOF MANUFACTURER'S GUARANTEE. ADHESIVE COMPOUND SHALL BE FURNISHED BY THE ROOFING CONTRACTOR.
4. ALL PROPER ROOF FLASHINGS SHALL BE FURNISHED, INSTALLED AND WEATHERPROOFED BY THE ROOFING CONTRACTOR PER THE ROOF MANUFACTURER'S GUARANTEE.
5. ALL PVC CONDUIT SHALL BE FURNISHED, INSTALLED, WEATHERPROOFED AND MAINTAINED FREE FROM OBSTRUCTIONS BY THE ELECTRICAL CONTRACTOR.
6. ACTUAL JOB SITE CONDITIONS MAY REQUIRE SLIGHT ALTERATIONS IN MAST, DOWNLEAD AND GROUND ROD LOCATIONS.
7. BARE COPPER MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM OR GALVALUM SURFACES, AND ALUMINUM MATERIALS SHALL NOT BE INSTALLED ON COPPER SURFACES.
8. ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED HORIZONTALLY AND VERTICALLY NOT MORE THAN 3'-0" O.C. MAXIMUM SPACING.
9. BOND STRUCTURAL STEEL OR REBAR TO NEAREST DOWN CONDUCTOR OR GROUND ROD.
10. THE LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED IN A NEAT WORKMANLIKE AND INCONSPICUOUS MANNER.
11. THE STRUCTURAL STEEL FRAMING MAY BE UTILIZED AS THE LIGHTNING PROTECTION DOWN CONDUCTOR PROVIDED THE STEEL WALL THICKNESS IS 3/16" MINIMUM.
12. PRIOR TO GROUND CONNECTION ON ANY STRUCTURAL STEEL FRAMING, REMOVE ALL PAINT, GREASE, RUST, ETC.
13. CONNECTIONS TO GROUND ROD SHALL BE MADE AT A POINT NOT LESS THAN 1'-0" BELOW FINISHED GRADE AND 2'-0" AWAY FROM THE FOUNDATION WALL.
14. BOND WATERLINES (DOMESTIC & FIRE) TO THE NEAREST STRUCTURAL STEEL, DOWN CONDUCTOR OR GROUND ROD.
15. THE BUILDING GROUND LOOP, INCLUDING GROUND RODS AND BONDING TO BASE OF STRUCTURAL STEEL COLUMNS EVERY 60'-0" O.C., MAY BE USED FOR THE E.S.E. LIGHTNING PROTECTION SYSTEM GROUNDING SYSTEM.
16. ALL ADDITIONAL GROUNDING, OTHER THAN THAT SHOWN ON DRAWING, SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
17. A LIGHTNING ARRESTOR, PROTECTOR OR ANTENNA DISCHARGE UNIT SHALL BE INSTALLED ON EACH ELECTRIC AND TELEPHONE SERVICE AND RADIO AND TELEVISION ANTENNA LEAD-IN BY THE ELECTRICAL CONTRACTOR, OR OTHERS, PER NFPA-70.
18. SURGE TRANSIENT PROTECTION OF SERVICES (TVSS) IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR OR THE SUPPLIER OF THE SENSITIVE EQUIPMENT. (I.E. COMPUTERS, COPIERS, TELEPHONE, ETC.)
19. THE LIGHTNING PROTECTION INSTALLING CONTRACTOR SHALL PROVIDE PHOTOS OR VIDEO OF THE INSTALLATION, INCLUDING, BUT NOT LIMITED TO; MAST MOUNTING, BONDING CONNECTIONS (WATERLINE & STRUCTURAL STEEL), DOWN CONDUCTORS, GROUND RODS/GRIDS AND ALL BURIED, CONCEALED OR INACCESSIBLE CONNECTIONS AND COMPONENTS. PHOTOS SHALL BE FORWARDED TO THE LIGHTNING PROTECTION EQUIPMENT MANUFACTURER.
20. A GROUND RESISTANT TEST, USING "FALL OF POTENTIAL" METHOD, SHALL BE PERFORMED IMMEDIATELY AFTER DRIVING GROUND RODS. THE TEST RESULTS AND TEST DATE SHALL BE INCLUDED ON THE FINAL AS-BUILT DRAWING, AND THEN FORWARDED TO THE LIGHTNING PROTECTION EQUIPMENT MANUFACTURER.
21. THE LPA-2005 AIR TERMINAL SHALL EXTEND 20'-0" MIN. ABOVE ALL PROJECTIONS ON THE STRUCTURE IT IS PROTECTING.
22. THE LPA-2005 INSTALLED ON ULTRAMAST AND PED-5 WELDED TO I-BEAM MEETS OREXCEEDS THE CURRENT CATEGORY C FLORIDA BUILDING CODE WIND LOAD REQUIREMENTS FOR COASTAL AREAS.
23. METALLIC MASTS (ANTENNAS, FLAGPOLES, SATELLITE DISHES, METAL STACKS, ETC.) PROJECTING 5'-0" ABOVE THE FINISHED ROOF MUST BE GROUNDED WITH MAIN SIZE CONDUCTOR TO THE E.S.E. SYSTEM DOWN CONDUCTOR.
24. ALL MATERIAL MUST BE MANUFACTURED BY HEARY BROS. LIGHTNING PROTECTION CO., INC. AND/OR ITS DIVISION LIGHTNING PREVENTOR OF AMERICA. IN ORDER TO QUALIFY FOR ANY MANUFACTURER'S GUARANTEES. FURTHER, ALL MATERIAL SHALL BE PAID FOR IN FULL PRIOR TO ISSUANCE OF ANY WARRANTIES/GUARANTEES.

4 E5.1 LIGHTNING PROTECTION NOTES
NOT TO SCALE



5 E5.1 SECONDARY BONDING DETAIL
NOT TO SCALE

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spiezle

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CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

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FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

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DRAWING TITLE:

ELECTRICAL DETAILS

COMMISSION NUMBER:
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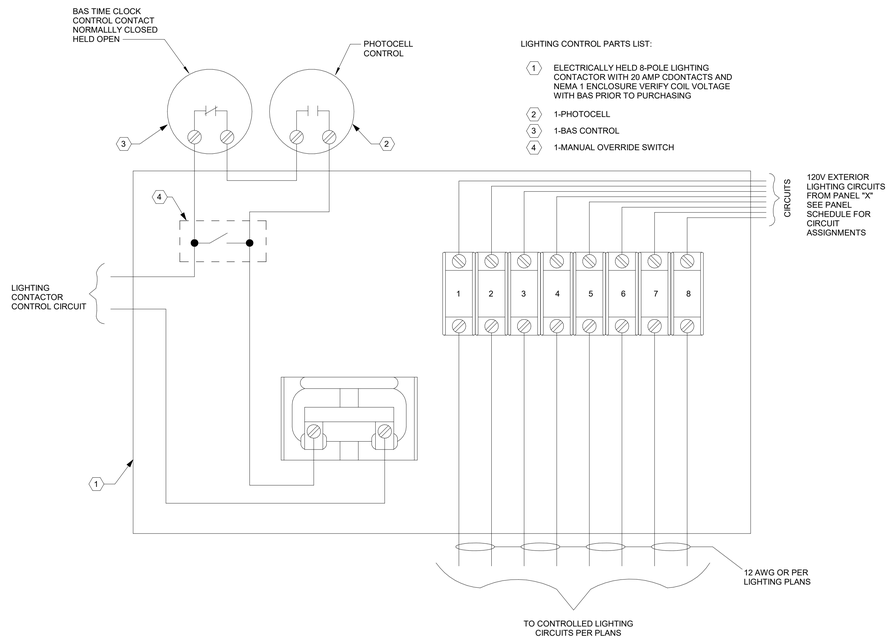
DRAWING NUMBER:

E5.1

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1 E5.2 LOW VOLTAGE SWITCHES
NOT TO SCALE

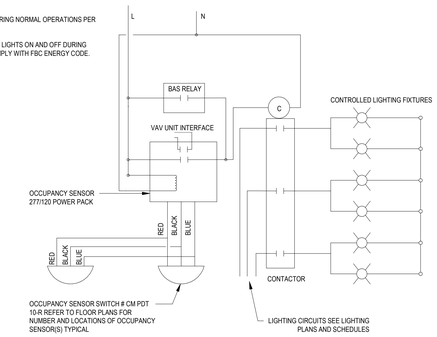


2 E5.2 EXTERIOR LIGHTING CONTACTOR DETAIL
NOT TO SCALE

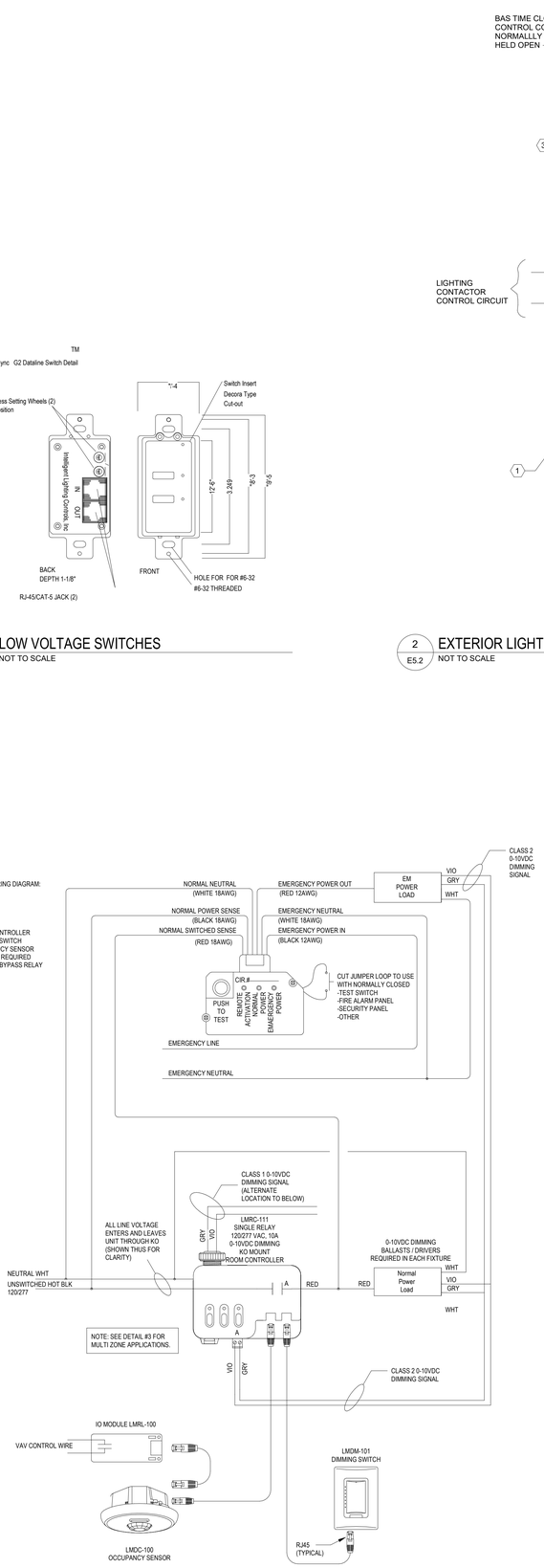
PUBLIC AREA LIGHTING CONTROLS

SEQUENCE OF OPERATION:

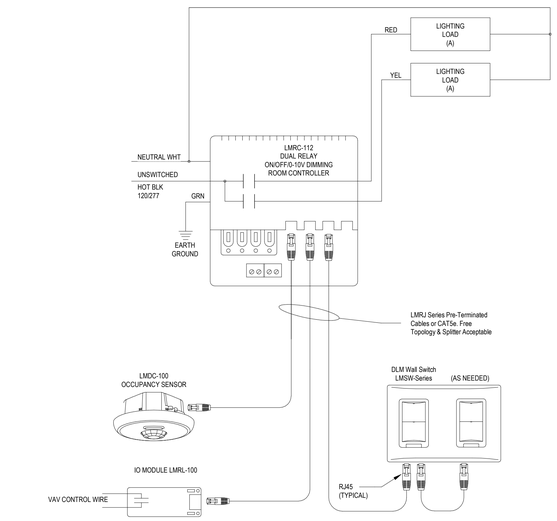
1. THE BAS SHALL TURN ALL LIGHTS ON DURING NORMAL OPERATIONS PER THE OWNER REQUIRED TIME OF USE.
2. THE OCCUPANCY SENSORS SHALL TURN LIGHTS ON AND OFF DURING NON NORMAL OPERATION TIMES TO COMPLY WITH FSC ENERGY CODE.



3 E5.2 TYPICAL "OS" RELAY DIAGRAM PUBLIC AREA
NOT TO SCALE

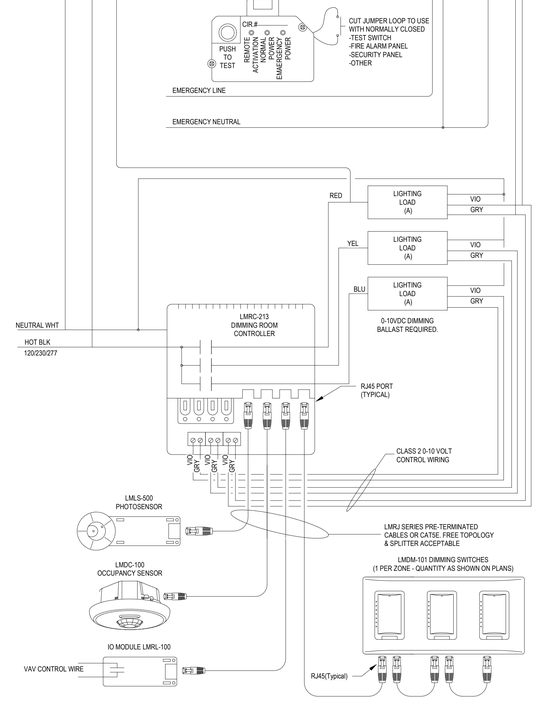


6 E5.2 TYPICAL EM RELAY WITH DIMMING DIAGRAM
NOT TO SCALE



DEVICES ARE PRESET FOR PLUG n' GO™ OPERATION.
ADJUSTMENT IS OPTIONAL.
Sequence of Operation: In this configuration the LMRC-212 defaults to multi-level automatic-on/automatic-off operation. Load (a) on the LMRC-212 turns on automatically, while Load (b) defaults to manual-on control; all relays turn off automatically. Enhanced room controllers support up to 64 loads and 48 devices per DLM local network. For full operational details, adjustments and more features of the product, see the DLM System Installation Guide at www.wattstopper.com

5 E5.2 TYPICAL MULTIZONE SWITCHING DIAGRAM
NOT TO SCALE



DEVICES ARE PRESET FOR PLUG N' GO™ OPERATION.
ADJUSTMENT IS OPTIONAL.
SEQUENCE OF OPERATION: THE LMLS-500 MONITORS THE DAYLIGHT CONTRIBUTION THROUGH A WINDOW OR SKYLIGHT AND WORKS WITH THE ROOM CONTROLLER(S) TO MAINTAIN DESIGN LIGHT LEVELS IN EACH LIGHTING ZONE. WATTSTOPPER'S EXCLUSIVE CONTROL ALGORITHM USES ON/OFF OR DIMMING SETPOINTS AND OTHER CONTROL PARAMETERS TO ESTABLISH THE CORRECT LIGHT LEVELS THROUGHOUT THE DAY REGARDLESS OF CHANGING DAYLIGHT CONTRIBUTION. FOR FULL OPERATIONAL DETAILS, ADJUSTMENTS AND MORE FEATURES OF THE PRODUCT, SEE THE DLM SYSTEM INSTALLATION GUIDE AT WWW.WATTSTOPPER.COM

LMLS-500 MULTI-ZONE OPEN LOOP DIGITAL PHOTOSENSOR

4 E5.2 TYPICAL MULTI-ZONE CLASSROOM SWITCHING
NTS

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ELECTRICAL DETAILS

COMMISSION NUMBER:
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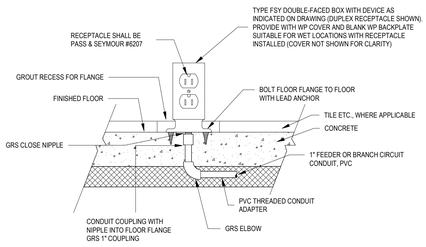
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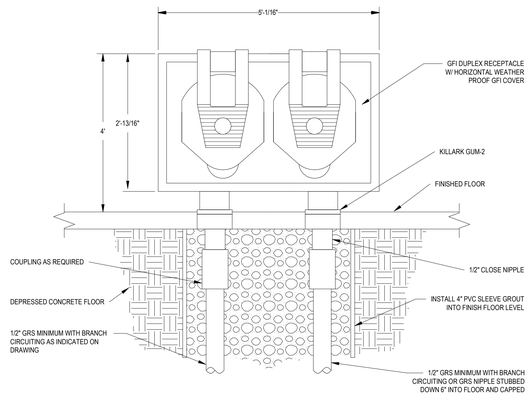
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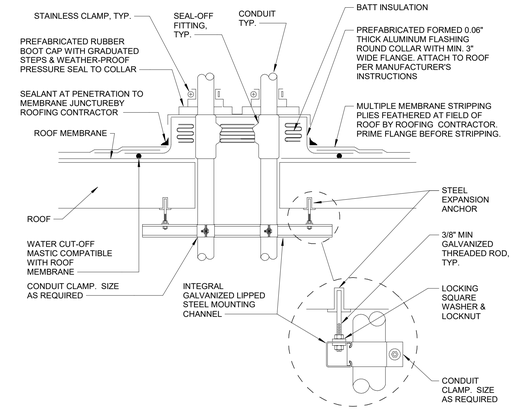




NOTES:

1. BOXES SHALL BE PROVIDED WITHOUT MOUNTING LUGS.
2. ALL BOXES SHALL BE PROVIDED WITH (2) GRS CONDUITS FOR SUPPORT.
3. ALL BOXES SHALL BE MOUNTED HORIZONTALLY WITH A MAXIMUM OVERALL HEIGHT OF 4" ABOVE FINISHED FLOOR
4. FOR ALL EQUIPMENT APPLIANCES NOT PROVIDED WITH CORD AND PLUG BUT INDICATED TO BE SO BY OUTLET SPECIFIED. ELECTRICAL CONTRACTOR SHALL INSTALL REQUIRED DISCONNECTING MEANS WITHIN SIGHT OF APPLIANCE OR CORD AND PLUG AS REQUIRED, BY N.E.C, TO SERVE AS DISCONNECTING MEANS.
5. FOR EQUIPMENT AND APPLIANCES REQUIRING LARGER CONDUIT FEEDS THAN 1" PIPE. INSTALL "FD" BOX WITH REQUIRED OPENINGS FOR (2) PIPE SUPPORTS AS REQUIRED KILLRAK #GUM UNION FITTINGS, NIPPLE, ETC.

3 FLOOR MTD KITCHEN RECEPTACLE DETAIL
E5.3 NOT TO SCALE



GENERAL NOTES:

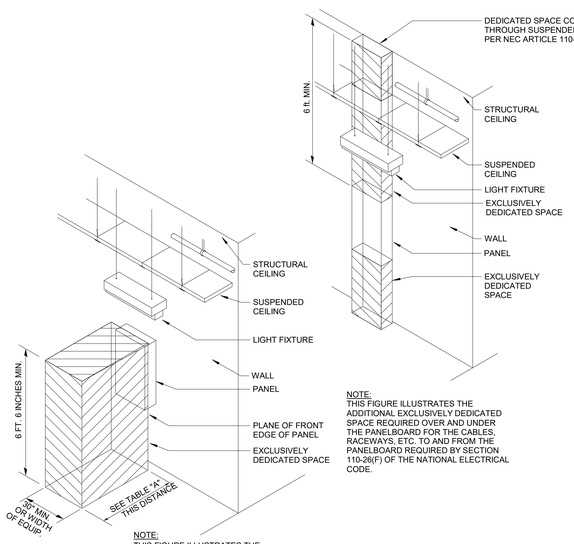
A. MAINTAIN A MINIMUM CLEARANCE OF 305mm (12") ON ALL SIDES OF ROOF PENETRATION FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.

B. FLANGES OF ADJACENT FLASHINGS SHALL NOT BE CUT OR OVERLAPPED.

C. VERIFY ROOF & STRUCTURAL SYSTEM WITH ARCHITECT.

D. COORDINATE FLASHING INSTALLATION WITH ROOFING CONTRACTOR TO ENSURE PROPER METHODS & MATERIALS ARE USED TO MAINTAIN ROOF WARRANTY.

4 CONDUIT ROOF PENETRATION DETAIL
E5.3 NOT TO SCALE



NOTE:
THIS FIGURE ILLUSTRATES THE ADDITIONAL EXCLUSIVELY DEDICATED SPACE REQUIRED OVER AND UNDER THE PANELBOARD FOR THE CABLES, RACEWAYS, ETC. TO AND FROM THE PANELBOARD REQUIRED BY SECTION 110-26(F) OF THE NATIONAL ELECTRICAL CODE.

NOTE:
THIS FIGURE ILLUSTRATES THE WORKING SPACE IN FRONT OF THE PANELBOARD REQUIRED BY SECTION 110-26 OF THE NATIONAL ELECTRICAL CODE.

TABLE 110-26(A) WORKING SPACES			
VOLTAGE TO GROUND, NOMINAL	MINIMUM CLEAR DISTANCE (FEET)		
CONDITION:	1	2	3
0-150	3	3	3
151-600	3	3 1/2	4

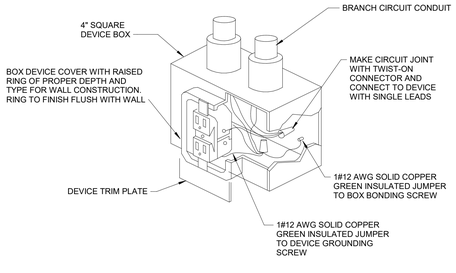
WHERE THE "CONDITIONS" ARE AS FOLLOWS:

1. EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR OTHER INSULATING MATERIALS. INSULATED WIRE OR INSULATED BUSBARS OPERATING AT NOT OVER 300 VOLTS SHALL NOT BE CONSIDERED LIVE PARTS.
2. EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE. CONCRETE, BRICK OR TILE SHALL BE CONSIDERED AS GROUNDED.
3. EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

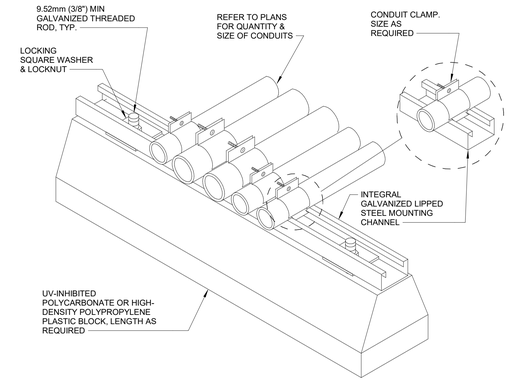
NOTE:

NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL APPURTENANCES SHALL BE PERMITTED TO BE INSTALLED IN OR PASS THROUGH THE DEDICATED SPACES SHOWN ABOVE WITHOUT THE WRITTEN PERMISSION OF THE DESIGN ENGINEER AND THE AUTHORITY HAVING JURISDICTION.

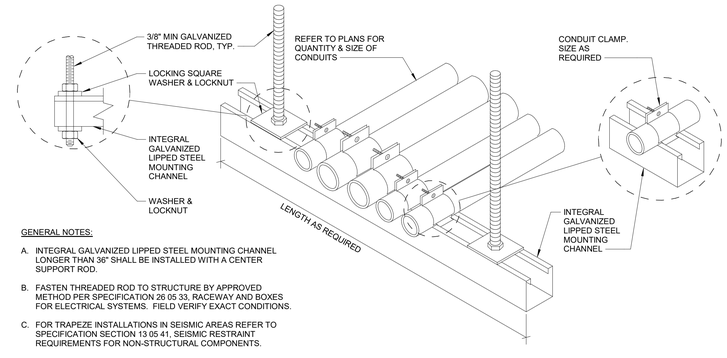
1 ELECTRICAL WORKING CLEARANCES DETAIL
E5.3 NOT TO SCALE



2 RECEPTACLE GROUNDING DETAIL
E5.3 NOT TO SCALE



5 CONDUIT ROOF SUPPORT DETAIL
E5.3 NOT TO SCALE



GENERAL NOTES:

A. INTEGRAL GALVANIZED LIPPED STEEL MOUNTING CHANNEL LONGER THAN 36" SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.

B. FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD PER SPECIFICATION 26 05 33, RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS. FIELD VERIFY EXACT CONDITIONS.

C. FOR TRAPEZE INSTALLATIONS IN SEISMIC AREAS REFER TO SPECIFICATION SECTION 13 05 41, SEISMIC RESTRAINT REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS.

6 CONDUIT TRAPEZE MOUNTING DETAIL
E5.3 NOT TO SCALE

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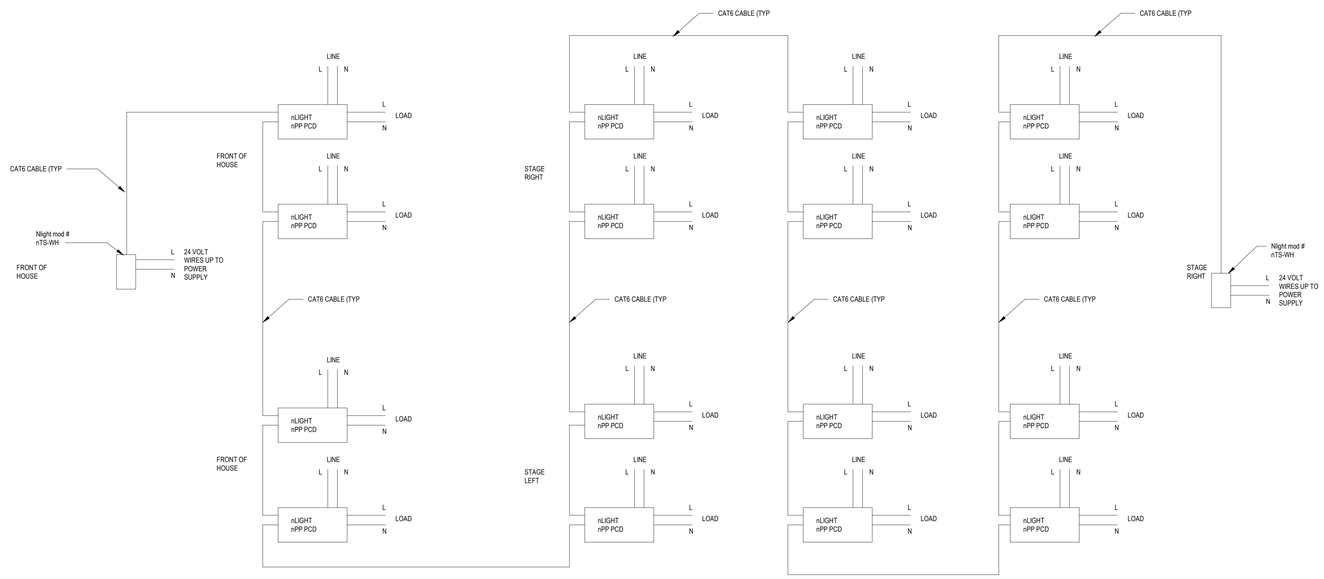
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1 E5.4 CATETERIA STAGE LIGHTING DIMMER RISER

NOT TO SCALE

3"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

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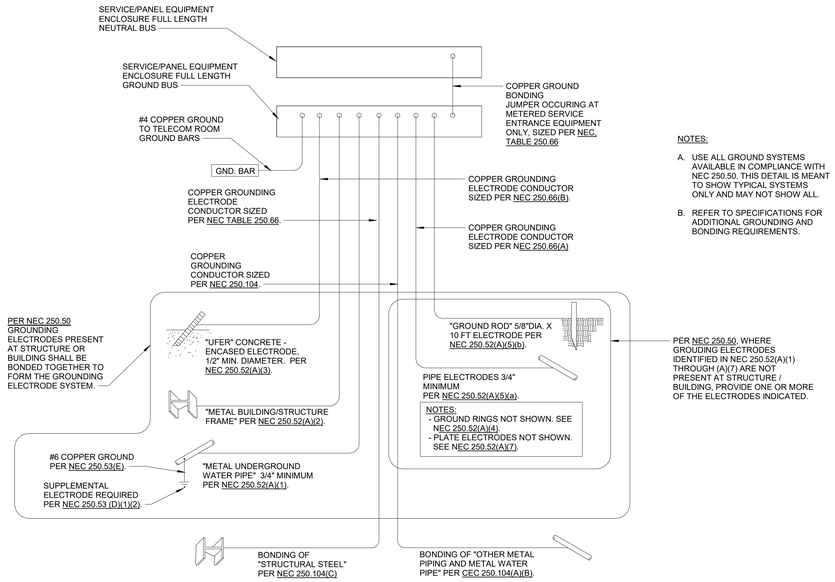
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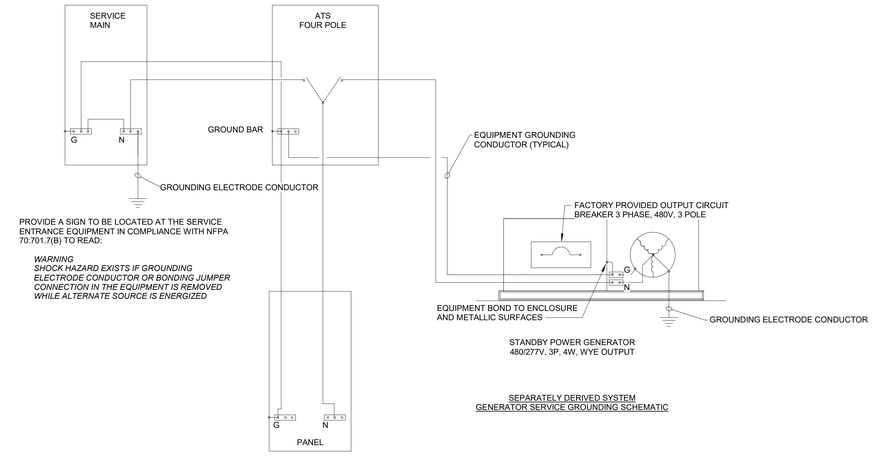


NOTES:

A. USE ALL GROUND SYSTEMS AVAILABLE IN COMPLIANCE WITH NEC 250.50. THIS DETAIL IS MEANT TO SHOW TYPICAL SYSTEMS ONLY AND MAY NOT SHOW ALL.

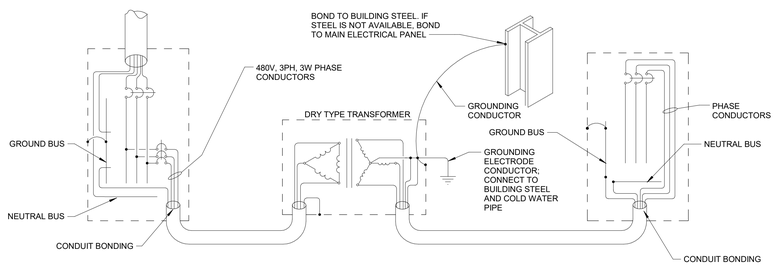
B. REFER TO SPECIFICATIONS FOR ADDITIONAL GROUNDING AND BONDING REQUIREMENTS.

1 E5.5 SYSTEM GROUNDING AND BONDING DETAIL
NOT TO SCALE



SEPARATELY DERIVED SYSTEM
GENERATOR SERVICE GROUNDING SCHEMATIC

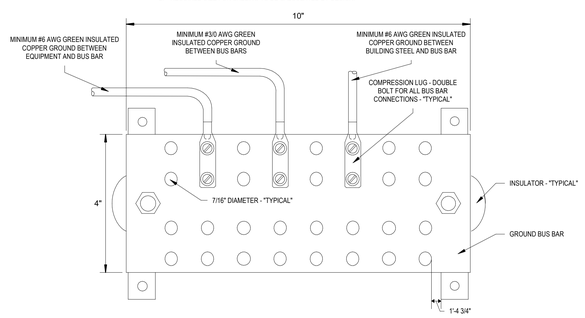
2 E5.5 GENERATOR GROUNDING DETAIL - SEPARATELY DERIVED
NOT TO SCALE



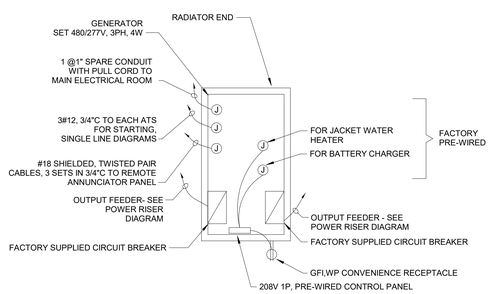
3 E5.5 TRANSFORMER BONDING DETAIL
NOT TO SCALE

NOTES:

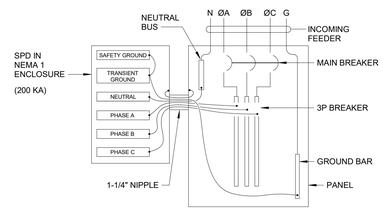
1. ALL CABLING TYPES SHALL HAVE WRITTEN LABELS DENOTING FAR END TERMINATION POINT.
2. REQUIRED SIZE FOR CABLING TO BE CALCULATED BY DESIGN.



4 E5.5 TYPICAL GROUNDING BUS BAR
NOT TO SCALE



5 E5.5 GENERATOR SET DETAIL
NOT TO SCALE



NOTES:

A. ALL WIRING SHALL BE #4 AWG.

B. AVOID SHARP BEND IN WIRES. ALL WIRE LENGTHS SHALL NOT EXCEED 18" (WHERE POSSIBLE)

C. PROVIDE FLUSH MOUNTED ENCLOSURE KIT, WHERE MOUNTED NEXT TO A FLUSH MOUNTED PANEL.

6 E5.5 SURGE PROTECTION DEVICE DETAIL (TYPICAL)
NOT TO SCALE

CODE REVIEW:

CERTIFICATE:

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SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

ELECTRICAL DETAILS

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E5.5

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LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN - MANUFACTURER	BASIS OF DESIGN - MODEL	ALT SPECIFICATION	LAMP	DRIVER	VOLTAGE	LUMENS	COLOR TEMP.	APPARENT LOAD	MOUNTING	NOTES
A	2X4 FLAT PANEL	CURRENT LIGHTING	CBT24-A-LSCS-EDD-4600L-38W		LED		277 V			38 VA	RECESSED	
A1	2X4 FLAT PANEL	CURRENT LIGHTING	CBT24-A-LSCS-EDD-3450L-28W		LED		277 V			28 VA	RECESSED	
A2F	2X4 FLAT PANEL WITH FLANGE KIT	CURRENT LIGHTING	CBT24-A-LSCS-EDD-5800L-48W-FK24		LED		277 V			48 VA	RECESSED	
D	4" RECESSED DOWNLIGHT	ACUITY BRANDS	LDN4-35/15-L04-WR-LSS-TRW-MVOLT-GZ1		LED		277 V			17.5 VA	RECESSED	
W	HALFL ROUND WALL PACK	ACUITY BRANDS	MRW-P4-40K-SR3-MVOLT-FINISH		LED		277 V			64 VA	SURFACE (WALL)	
X1	EXIT SIGN -SINGLE FACE	ACUITY BRANDS	LQM-S-W-3-G-120/277-ELN		LED		277 V			5 VA	CEILING	
BUILDING												
A	2X4 FLAT PANEL	CURRENT LIGHTING	CBT24-A-LSCS-EDD-4600L-38W	NO SUBSTITUTIONS PERMITTED	LED	0-10V	277 V	4600	4000	38 VA	RECESSED	
A1	2X4 FLAT PANEL	CURRENT LIGHTING	CBT24-A-LSCS-EDD-3450L-28W	NO SUBSTITUTIONS PERMITTED	LED	0-10V	277 V	3300	4000	28 VA	RECESSED	
A1F	2X4 FLAT PANEL WITH FLANGE KIT	CURRENT LIGHTING	CBT24-A-LSCS-EDD-3450L-28W-FK24	NO SUBSTITUTIONS PERMITTED	LED	0-10V	277 V	3300	4000	28 VA	RECESSED	
A2	2X4 FLAT PANEL	CURRENT LIGHTING	CBT24-A-LSCS-EDD-5800L-48W	NO SUBSTITUTIONS PERMITTED	LED	0-10V	277 V	5800	4000	48 VA	RECESSED	
A2F	2X4 FLAT PANEL WITH FLANGE KIT	CURRENT LIGHTING	CBT24-A-LSCS-EDD-5800L-48W-FK24	NO SUBSTITUTIONS PERMITTED	LED	0-10V	277 V	5800	4000	48 VA	RECESSED	
AF	2X4 FLAT PANEL WITH FLANGE KIT	CURRENT LIGHTING	CBT24-A-LSCS-EDD-4600L-38W-FK24A	NO SUBSTITUTIONS PERMITTED	LED	0-10V	277 V	4600	4000	38 VA	RECESSED	
C	4IN RECESSED LINEAR	LUMENWERX	VIA4R-D-HLO-FH-SW-80CRI-1000LMF-35K-X-UNV	FINELITE: HP4-R-D-XX-TL-1000-840-F-96LG-277-SC-FC-1%-FE ALW: LPX-4-R-XX-FN-S(XX)-10-35-80-SL-V01	LED	0-10V	277 V	4000	3500	36 VA	RECESSED	
C1	4" RECESSED LINEAR	LUMENWERX	VIA4R-D-HLO-FH-SW-80CRI-1500LMF-35K-4-UNV	FINELITE: HP4-R-D-XX-TL-1000-840-F-96LG-277-SC-FC-1%-FE ALW: LPX-4-R-XX-FN-S(XX)-10-35-80-SL-V01	LED	0-10V	277 V	6000	3500	56 VA	RECESSED	
D	4" RECESSED DOWNLIGHT	ACUITY BRANDS	LDN4-35/15-L04-WR-LSS-TRW-MVOLT-GZ1	<varies>	LED	0-10V	277 V	1500	3500	17.5 VA	RECESSED	
D1	4" RECESSED DOWNLIGHT	ACUITY BRANDS	LDN4-35/10 -L04-WR-LSS-TRW-MVOLT-GZ1	HE WILLIAMS: 4DR-TL-L15-835-DIM1-UNV-OWOF-CS-MWT-N-F1 HALO: HC410D010-DM40525835-41MDW	LED	0-10V	277 V	1000	3500	17.5 VA	RECESSED	
D5	4" RECESSED DOWNLIGHT [SHOWER]	ACUITY BRANDS	EVO4SH-30/10-DFR-SOL-MVOLT-EZ1	HE WILLIAMS: 4DR-TL-L10-830-DIM1-UNV-SMOF-WH-MWT-F1 HALO: HC410D010-DM40525835-41PSMDW	LED	0-10V	277 V	1000	3000	8.8 VA	RECESSED	
F	4' COVERED STRIP	HE WILLIAMS	75R-4-L50/840-UNV	LITHONIA: ZL1D-L48-SMR-5000LM-FST-MVOLT-40K-80CRI-WH METALUX: 4SNX-51SL-LW-UNV-L840-CD1-U	LED	0-10V	277 V	5000	4000	41 VA	SURFACE/SUSPENDED	
F2	2' COVERED STRIP	ACUITY BRANDS	ZL1D-L24-3500LM-FST-MVOLT-40K-80CRI-WH	HE WILLIAMS: 75R-2-L32-840-DIM-UNV METALUX: 2SNX-30SL-LW-UNV-L840-CD1-U	LED	0-10V	277 V	3500	4000	36 VA	SURFACE/SUSPENDED	
FE	4' COVERED STRIP	HE WILLIAMS	75R-4-L50/840-UNV	LITHONIA: ZL1D-L48-SMR-5000LM-FST-MVOLT-40K-80CRI-WH METALUX: 4SNX-51SL-LW-UNV-L840-CD1-U	LED	0-10V	277 V	5000	4000	41 VA	SURFACE/SUSPENDED	
G	4' LED WALL MOUNT WRAP	ACUITY BRANDS	BLWP4-72L-ADP-MVOLT	BEHELLI: BS100LED-J-SA-MO-WT40-120-277 ILP: DSC4-8L-HE-U-40-FFL	LED	0-10V	277 V	7200	4000	46 VA	SURFACE (WALL)	
H	HIGH BAY	ACUITY BRANDS	IBE-L48-30000-ATC-MD-MVOLT-GZ10-40K-80CRI-DWH-WGIBE4	HE WILLIAMS: GH4-L300-840-FA-WG11-F&I-DIM-UNV METALUX: OHBL-30-SE-MFL-UNV-L840-CD-U / OHL-WH-164	LED	0-10V	277 V	30000	4000	125.5 VA	SUSPENDED	
J	2' VANITY LIGHT	ACUITY BRANDS	FMVTSL-24IN-MVOLT-30K-90CRI-BN	SCOTT: S3951-L24-35K-FINISH TERON: KA-L17.0-17W-UNV-BN-MCT	LED	0-10V	277 V	1302	3000	7.3 VA	SURFACE (WALL)	
K	36" DECORATIVE WALL SCONCE	OCL	IN1-010A-36-MW-FINISH-LED2-40K-UNV-DM1	EVERGREEN: GRA-WC-PF-30W-9-A-STB-WET-35K-DIM SPI: AIW10857-L43W-120-277W-4000K-DF-80-PTSTD	LED	0-10V	277 V	3250	4000	60 VA	SURFACE (WALL)	
L	4' ENCLOSED AND GASKETED FIXTURE	LITHONIA	HKL2-036-40-U-HKU2	TBD	LED	0-10V	277 V	4000	4000	46 VA	SURFACE	
S	TRACK HEAD	JUNO	R612-35K-90CRI-PDIM-FL-WH	CONTECH: CTL-9059-F-35K-D-P HALO: L809-25-FL-935-P	LED	0-10V	120 V	1700	3500	37.7 VA	TRACK	
W	HALFL ROUND WALL PACK	ACUITY BRANDS	MRW-P4-40K-SR3-MVOLT-FINISH	VISIONAIRE: PGRS-2-T4-32LC-5-4K-UNV-WM-FINISH COOPER: ISS-PA1-C-740-U-T4FT-FINISH	LED	0-10V	277 V	6500	4000	64 VA	SURFACE (WALL)	
X1	EXIT SIGN -SINGLE FACE	ACUITY BRANDS	LQM-S-W-3-G-120/277-ELN	BEGHELLI: EPX-SA-GREEN COOPER: APX6-GREEN	LED	NON-DIM	277 V	-	-	5 VA	CEILING	
X2	EXIT SIGN - DOUBLE FACE	ACUITY BRANDS	LQM-S-W-3-G-120/277-ELN	BEGHELLI: EPX-SA-GREEN COOPER: APX6-GREEN	LED	NON-DIM	277 V	-	-	5 VA	CEILING	
SITE												
S1	SINGLE HEAD POLE MOUNTED FIXTURE	ACUITY BRANDS	RSX2-LED-P3-40K-R3-MVOLT-IS-FINISH	VISIONAIRE: VLX SERIES MCGRAW EDISON: GALLEON SERIES	LED	0-10V	277 V	15255	4000	150 VA	POLE	FIXTURE HEAD TO BE 25FT A.F.G.
S3	SINGLE HEAD POLE MOUNTED FIXTURE	ACUITY BRANDS	RSX2-LED-P4-40K-R4-MVOLT-IS FINISH	VISIONAIRE: VLX SERIES MCGRAW EDISON: GALLEON SERIES	LED	0-10V	277 V	25328	4000	190 VA	POLE	FIXTURE HEAD TO BE 25FT A.F.G.
S6	FOUR HEAD POLE MOUNTED FIXTURE	ACUITY BRANDS	RSX2-LED-P6-40K-R5-MVOLT-IS FINISH	VISIONAIRE: VLX SERIES MCGRAW EDISON: GALLEON SERIES	LED	0-10V	277 V	31069	4000	250 VA	POLE	FIXTURE HEAD TO BE 25FT A.F.G.
SC	10"X10" WALKWAY CANOPY FIXTURE	ESL VISION	ESL-CP-3060W-5-3050-BZ	NO SUBSTITUTIONS PERMITTED	LED	NON-DIM	277 V	7296	4000	60 VA	SURFACE (WALL)	
SW1	WALL MOUNTED SITE FIXTURE	ACUITY BRANDS	WDGE2-LED-P4-40K-80CRI-TFTM		LED	NON-DIM	277 V	4202	4000	47 VA	SURFACE (WALL)	

LUMINAIRE SCHEDULE NOTES

A. FOR ALL SUSPENDED AND PENDANT FIXTURES IN ACT CEILINGS, PROVIDE MANUFACTURER'S SPACERS FOR TEGULAR GRID MOUNTING AS REQUIRED.

B. FOR ALL SUSPENDED AND PENDANT FIXTURES MOUNTED IN OPEN CEILING AT STRUCTURE ABOVE, PROVIDE SHALLOW, ROUND JUNCTION BOXES FOR LIGHT FIXTURE CANOPIES TO MOUNT TO. MOUNT ALL EXPOSED CONDUIT AS INCONSPICIOUS AS POSSIBLE. ALL CONDUIT TO BE RUN PARALLEL AND PERPINDICULAR TO BUILDING LINES. MINIMIZE LENGTH OF CONDUIT AS MUCH AS POSSIBLE. 1/2" CONDUIT IS ACCEPTABLE BETWEEN FIXTURES. GROUP CONDUITS TOGETHER AS MUCH AS POSSIBLE AND COORDINATE ROUTING WITH OTHER SYSTEMS.

C. DO NOT CUT ADJUSTABLE AIR CRAFT CABLES UNTIL MOUNTING HEIGHTS HAVE BEEN REVIEWED AND APPROVED IN THE FIELD BY A/E DESIGN TEAM.

D. FOR ALL RECESSED DOWNLIGHTS, THE DRIVER SHALL BE ACCESSIBLE FROM BELOW THE CEILING WITHOUT THE USE OF A SCREWDRIVER. INSTALLATION SHALL ALLOW FOR THE DRIVER TO BE REMOVED AND LOWERED BELOW THE CEILING FOR FUTURE REPLACEMENT. CONTRACTOR SHALL PROVIDE LENGTH OF LEADS AS REQUIRED.

E. SUBSTITUTIONS ARE ALLOWED UNLESS NOTED OTHERWISE. SUBMIT ALTERNATES TO A/E DESIGN TEAM FOR REVIEW AND APPROVAL PRIOR TO ORDERING.

F. CONTRACTOR SHALL CONFIRM VOLTAGE REQUIREMENTS OF ALL FIXTURES AND PROVIDE REQUIRED STEP-DOWN TRANSFORMERS TO ACCOMMODATE CIRCUITRY AND CONTROLS REQUIREMENTS.

G. ALL EXTERIOR LIGHT FIXTURES SHALL BE UL DAMP LOCATION LISTED WHERE MOUNTED BELOW OVERHANG OR CANOPY. ALL OTHER EXTERIOR LIGHT FIXTURES SHALL BE WET LOCATION LISTED.

H. FOR EXIT SIGNS, PROVIDE NUMBER OF DIRECTIONAL ARROWS AND NUMBER FACES AS SHOWN ON PLANS.

I. ALL TRACK FIXTURES TO BE COORDINATED BY CONTRACTOR TO INCLUDE ALL PIECES AND PARTS TO SUPPLY A COMPLETE AND WORKING SYSTEM. TRACK TO BE PROVIDED IN LENGTHS PER PLANS.

J. ALL FIXTURES MUST BE 80CRI OR GREATER.

K. SEE ARCHITECTURAL PLANS FOR ALL MOUNTING HEIGHTS. VERIFY FINAL HEIGHTS IN THE FIELD PRIOR TO CUTTING ANY ADJUSTABLE CORDS AND CABLES AND/OR INSTALLING BOXES IN WALLS.

LIGHTING CONTROL SEQUENCE OF OPERATIONS

SPACE TYPE	OCC SENSOR SETPOINT	NORMAL BUSINESS HOURS LIGHTING	
CORRIDORS, LOBBY, GROUP TOILETS	AUTO ON 30 MIN OFF	ON/OFF PER BUILDING AUTOMATION SYSTEM (BAS) AND OCCUPANCY SENSORS; OVERRIDE KEYED SWITCH(ES)	S_K
SMALL OFFICES, OTHER ADMIN AREAS	AUTO ON 15 MIN OFF	FULL RANGE DIMMING, LINE VOLTAGE, ONE ZONE, WITH WALL BOX VACANCY SENSOR	S_{DM}
MEDIUM AND LARGER OFFICES, OTHER ADMIN AREAS	AUTO ON 15 MIN OFF	FULL RANGE DIMMING, LINE VOLTAGE, ONE ZONE; CEILING OCCUPANCY SENSOR(S) - QTY AS SHOWN ON PLANS; WHERE TWO ENTRANCES/EXITS ARE SHOWN, SWITCHES SHALL OPERATE AS THREE-WAY	S_D
CONFERENCE ROOMS	AUTO ON 15 MIN OFF	FULL RANGE DIMMING, LINE VOLTAGE, # OF ZONES AS SHOWN ON PLANS; CEILING OCCUPANCY SENSOR(S) - QTY AS SHOWN ON PLANS; WHERE TWO ENTRANCES/EXITS ARE SHOWN, SWITCHES SHALL OPERATE AS THREE-WAY	S_D
CLASSROOMS	AUTO ON 15 MIN OFF	TWO ZONES WITH RAISE/LOWER DIMMING (LINE VOLTAGE) CEILING MOUNTED OCCUPANCY SENSOR(S) WITH AUXILIARY CONTACT FOR CONNECTION TO BAS	S_D S_D
KITCHEN	-	ON/OFF PER BUILDING AUTOMATION SYSTEM (BAS) AND OCCUPANCY SENSORS WITH AUXILIARY CONTACT	
CAFETERIA, SERVING	-	ON/OFF PER BUILDING AUTOMATION SYSTEM (BAS) AND OCCUPANCY SENSORS WITH AUXILIARY CONTACT	
GYMNASIUM	-	FIXTURES WITH INTEGRAL OCCUPANCY SENSORS AND BAS CONTACT; LOCAL OVERRIDE KEYED SWITCHES	S_K
AUDITORIUM	-	ON/OFF PER BUILDING AUTOMATION SYSTEM (BAS) AND OCCUPANCY SENSORS WITH AUXILIARY CONTACT; LOCAL OVERRIDE DIMMER SWITCHES	S_D
MECHANICAL, ELECTRICAL, JANITOR CLOSETS	N/A	SINGLE ZONE, SINGLE LEVEL VIA A DIGITAL TIME SWITCH WITH VISUAL AND AUDIBLE TIME-OUT WARNING - CAPABILITY OF UP TO 3 HOURS FOR OCCUPANCY	S_{TS}
STORAGE ROOMS, SINGLE TOILETS	AUTO ON 15 MIN OFF	SINGLE ZONE, SINGLE LEVEL VIA A SINGLE POLE WALL BOX OCCUPANCY SENSOR SWITCH	S_M
EXTERIOR	N/A	ON/OFF PER BUILDING AUTOMATION SYSTEM (BAS) VIA LIGHTING CONTACTORS (DEDICATED AND SEPARATE FROM INTERIOR LIGHTING; SEPARATE ZONES FOR EACH FIXTURE TYPE - LOCATION	

NOTES: BUILDING AUTOMATION SYSTEM WILL TURN INTERIOR LIGHTS OFF 10 MINUTES AFTER SECURITY SYSTEM IS "ARMED". BUILDING AUTOMATION SYSTEM WILL TURN INTERIOR LIGHTS ON IMMEDIATELY WHEN SECURITY IS "DISARMED" AND REMAIN ON UNTIL SYSTEM IS "ARMED" AGAIN. BUILDING AUTOMATION SYSTEM WILL TURN INTERIOR LIGHTS ON WHEN SYSTEM IS "ALARMED".

PROVISIONS SHALL BE MADE FOR UNOCCUPIED CONTROL: WHEN THE OVERRIDE BUTTON ON THE SPACE SENSOR IS ACTIVATED, THE LIGHTS SERVING THE AREA WHERE THE BUTTON WAS PRESSED SHALL TURN ON FOR TWO (2) HOURS. WHEN OVERRIDE TIME PERIOD HAS 15 MINUTES REMAINING, THE LIGHTS WILL BLINK 3 TIMES IN 3 SECOND INTERVALS.

PROVIDE NIGHT LIGHTING (24 HOUR OPERATION) FROM SECURITY KEYPAD(S) TO MAIN ENTRANCE ONLY.

LIGHTING CONTROL NOTES

A. REFER TO ALL LTG. PLANS, NOTES, CONTROL DETAILS, SEQUENCE OF OPERATIONS, AND SPECIFICATIONS FOR REQUIREMENTS. **CONTRACTOR SHALL RELAY ALL INFORMATION IN THE SPECIFICATIONS AND DRAWINGS TO THOSE PREPARING PRICING FOR THE PROJECT. THIS INCLUDES LIGHTING CONTROL DETAILS, SEQUENCE OF OPERATIONS, LIGHTING LAYOUTS, AND OTHER RELATED DESIGN DOCUMENTATIONS. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF INCLUDING ALL COMPONENTS REQUIRED FOR A FULLY FUNCTIONING CONTROL SYSTEM. ALSO, FAILURE TO DO SO WILL NOT BE CAUSE FOR CHANGE ORDER REQUEST DURING CONSTRUCTION.**

B. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY EQUIPMENT, DEVICES, WIRING, ETC. TO ENSURE ACTUAL INSTALLATIONS AND PERFORMANCE OF THE SYSTEM MEETS THE DESIGN INTENT. IF ALTERNATIVE MANUFACTURE TO BASIS OF DESIGN IS SUBMITTED, CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS FOR A COMPLETE, FULLY FUNCTIONAL SYSTEM TO MEET DESIGN INTENT.

C. CABLING SHALL BE PRE-TERMINATED, WHITE COLOR, PLENUM-RATED. UTILIZE CABLE TRAY FOR ROUTING OF DIGITAL LIGHTING CONTROL CABLES.

D. PROVIDE NUMBER OF ZONES PER BUILDING SEQUENCE OF OPERATIONS. WHERE SCENE CONTROLS ARE REQUIRED, SCENE SETTINGS SHALL BE CONFIRMED WITH THE OWNER PRIOR TO FINAL PROGRAMMING.

E. POWER PACKS AND ROOM CONTROLLERS SHALL BE MOUNTED ABOVE THE CEILING IN THE ROOM THEY SERVE (OR IN NEAREST ACCESSIBLE CEILING). LOCATE CONSISTENTLY THROUGHOUT THE BUILDING, ABOVE THE DOOR. LOCATIONS SHALL BE APPROVED BY DESIGN TEAM PRIOR TO INSTALL.

F. ALL LIGHT FIXTURES ON EMERGENCY BACK-UP SHALL TURN 'ON' FULL BRIGHTNESS DURING LOSS OF POWER REGARDLESS OF SWITCH POSITION OR LIGHTING CONTROL SYSTEM SETTINGS. PROVIDE UL924 DEVICE AS REQUIRED.

G. PROVIDE OCCUPANCY TYPE (AUTO ON/ AUTO OFF) OR VACANCY TYPE (MANUAL ON/ AUTO OFF) SENSORS AS INDICATED IN THE PROJECT DOCUMENTS. ENSURE THEY ARE SET CONSISTENTLY THROUGHOUT THE BUILDING PRIOR TO OCCUPANCY.

H. LIGHTING CONTROLS SHALL MATCH DIMMING TECHNOLOGY OF FIXTURES. CONTRACTOR SHALL VERIFY PRIOR TO ORDERING.

I. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ENGINEER'S REVIEW PRIOR TO ORDERING. INCLUDE WIRING DETAILS AND PLANS WITH SWITCH TYPES, CABLING, AND ZONES INDICATED.

CODE REVIEW:

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SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

#	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

LIGHTING FIXTURE SCHEDULES

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E6.0

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DRAWN BY:Author CHECKED BY:Checker

3/4"=1'-0" 1 0 2 0 3 0 4 0 5 0 6 0
1/2"=1'-0" 1 0 2 0 3 0 4 0 5 0 6 0
3/4"=1'-0" 1 0 2 0 3 0 4 0 5 0 6 0
1 1/2"=1'-0" 1 0 2 0 3 0
1"=1'-0" 1 0 2 0 3 0
1/2"=1'-0" 1 0 2 0 3 0 4 0 5 0 6 0
1/4"=1'-0" 2 0 4 0 6 0 8 0 10 0 12 0 14 0 16 0 18 0 20 0 22 0 24 0
1/8"=1'-0" 4 0 8 0 12 0 16 0 20 0 24 0 28 0 32 0 36 0 40 0 44 0 48 0
1/16"=1'-0" 8 0 16 0 24 0 32 0 40 0 48 0 56 0 64 0 72 0 80 0 88 0 96 0

MECHANICAL EQUIPMENT SCHEDULE

EQUIPMENT	APPARENT LOAD	FLA	MCA	MOCP	VOLTS	PHASE	DISCONNECT SIZE/TYPE	CONDUCTORS	COMMENTS
	0 kVA	0.0 A	0.0 A	0 A	0 V	1			

FEEDER SCHEDULE C								
5 WIRE + EGC (200% NEUTRAL)								
TAG	MINIMUM CONDUIT		Cu CONDUCTORS PER CONDUIT					
			PHASE		NEUTRAL		EGC	
AMPS	QTY	SIZE	QTY	AWG	QTY	AWG	QTY	AWG
C20	1	3/4	3	12	1	10	1	12
C30	1	3/4	3	10	1	6	1	10
C40	1	1-1/4	3	8	1	4	1	10
C50	1	1-1/4	3	6	1	3	1	10
C70	1	1-1/2	3	4	1	1	1	8
C80	1	1-1/2	3	2	1	2/0	1	8
C100	1	2	3	1	1	3/0	1	8
C125	1	2	3	1/0	1	250	1	6
C150	1	2	3	1/0	2	1/0	1	6
C175	1	2-1/2	3	2/0	2	2/0	1	6
C200	1	2-1/2	3	3/0	2	3/0	1	6
C225	1	3	3	4/0	2	4/0	1	4
C250	1	3-1/2	3	250	2	250	1	4
C300	1	4	3	350	2	350	1	4
C350	1	4	3	500	2	500	1	2
C400	2	3	3	3/0	2	3/0	1	2
C500	2	3-1/2	3	250	2	250	1	1
C600	2	4	3	350	2	350	1	1
C700	2	4	3	500	2	500	1	1/0
C800	3	4	3	350	2	350	1	1
C1000	3	4	3	400	2	400	1	2/0
C1200	4	4	3	350	2	350	1	3/0
C1600	5	4	3	400	2	400	1	4/0

FEEDER SCHEDULE B								
4 WIRE + EGC (100% NEUTRAL)								
TAG	MINIMUM CONDUIT		Cu CONDUCTORS PER CONDUIT					
			PHASE		NEUTRAL		EGC	
AMPS	QTY	SIZE	QTY	AWG	QTY	AWG	QTY	AWG
B20	1	3/4	3	12	1	12	1	12
B30	1	3/4	3	10	1	10	1	10
B40	1	1	3	8	1	8	1	10
B50	1	1-1/4	3	6	1	6	1	10
B70	1	1-1/4	3	4	1	4	1	8
B80	1	1-1/4	3	4	1	4	1	8
B100	1	2	3	1	1	1	1	8
B125	1	2	3	1/0	1	1/0	1	6
B150	1	2	3	1/0	1	1/0	1	6
B175	1	2	3	2/0	1	2/0	1	6
B200	1	2-1/2	3	3/0	1	3/0	1	6
B225	1	2-1/2	3	4/0	1	4/0	1	4
B250	1	3	3	250	1	250	1	4
B300	1	3-1/2	3	350	1	350	1	4
B350	1	4	3	500	1	500	1	2
B400	2	2-1/2	3	3/0	1	3/0	1	3
B400	1	4	3	600	1	600	1	3
B500	2	3	3	250	1	250	1	1
B600	2	3-1/2	3	350	1	350	1	1
B700	2	4	3	500	1	500	1	1/0
B800	3	3-1/2	3	300	1	300	1	1/0
B1000	3	3-1/2	3	400	1	400	1	2/0
B1200	4	3-1/2	3	350	1	350	1	3/0
B1600	5	3-1/2	3	400	1	400	1	4/0

FEEDER SCHEDULE A						
3 WIRE + EGC						
TAG	MINIMUM CONDUIT		Cu CONDUCTORS PER CONDUIT			
			PHASE		EGC	
AMPS	QTY	SIZE	QTY	AWG	QTY	AWG
A20	1	3/4	3	12	1	12
A30	1	3/4	3	10	1	10
A40	1	1	3	8	1	10
A50	1	1	3	6	1	10
A70	1	1-1/4	3	4	1	8
A80	1	1-1/4	3	2	1	8
A100	1	1-1/2	3	1	1	8
A125	1	1-1/2	3	1/0	1	6
A150	1	2	3	1/0	1	6
A175	1	2	3	2/0	1	6
A200	1	2	3	3/0	1	6
A225	1	2-1/2	3	4/0	1	4
A250	1	2-1/2	3	250	1	4
A300	1	3	3	350	1	4
A350	1	3-1/2	3	500	1	2
A400	1	2-1/2	3	3/0	1	2
A500	2	2-1/2	3	250	1	1
A600	2	3	3	350	1	1
A700	2	3-1/2	3	500	1	1/0
A800	3	3	3	300	1	1/0
A1000	3	3	3	400	1	2/0
A1200	3	3	3	350	1	3/0
A1600	3	3	3	400	1	4/0

SPECIAL PURPOSE RECEPTACLE SCHEDULE			
NEMA CONFIG. (NOTE 1)	RECEPTACLE RATING	CIRCUIT BREAKER SIZE	BRANCH CIRCUIT SIZE
L6-15R	15A, 250V, 2P, 3W	15A-2P	2#12, #12G - 3/4"C
L6-20R	20A, 250V, 2P, 3W	20A-2P	2#12, #12G - 3/4"C
L6-30R	30A, 250V, 2P, 3W	30A-2P	2#10, #10G - 3/4"C
L6-50R	50A, 250V, 2P, 3W	50A-2P	2#6, #10G - 3/4"C
L5-15R	15A, 120V, 2P, 3W	15A-1P	2#12, #12G - 3/4"C
L5-20R	20A, 120V, 2P, 3W	20A-1P	2#12, #12G - 3/4"C

NOTES:
1. APPLIES TO BOTH LOCKING AND NON-LOCKING RECEPTACLES (WITH AND WITHOUT "L" PREFIX).
2. DEVICE NEMA CONFIGURATION SHALL BE CONFIRMED PRIOR TO INSTALLATION. MATCH CONFIGURATION OF EQUIPMENT CORD CAP. NOTIFY OWNER'S REPRESENTATIVE OF RATING DISCREPANCY.
3. CONDUCTOR SIZES ARE THE MINIMUM ALLOWED BASED UPON NEC TABLE 310.15(B)(16) WITH NO GREATER THAN THREE CURRENT CARRYING CONDUCTORS PER RACEWAY IN AN AMBIENT NOT TO EXCEED 30 DEGREES CELSIUS.
4. VOLTAGE DROP IS NOT CONSIDERED IN BRANCH CIRCUIT SIZES. ALL BRANCH CIRCUITS WHICH EXCEED 75 FEET SHALL BE INCREASED A MINIMUM OF ONE SIZE TO LIMIT VOLTAGE DROP TO LESS THAN 3%.
5. RACEWAY SIZES SHALL BE INCREASED TO ACCOMODATE DIFFERING INSULATION SYSTEMS AND RACEWAY TYPES TO LIMIT RACEWAY FILL TO LESS THAN 40%.
6. WHERE A NEMA SUBSCRIPT IS NOT SHOWN NEXT TO A RECEPTACLE, PROVIDE 5-20R OR AS REQUIRED BY EQUIPMENT MANUFACTURER.
7. WHERE A SINGLE 5-15R IS PROVIDED WITH DEDICATED CIRCUIT, PROVIDE A 15A RATED BREAKER IN THE PANEL.

BRANCH CIRCUIT SCHEDULE						
2 WIRE + EGC						
OCPD MAX RATING	MINIMUM CONDUIT		Cu CONDUCTORS PER CONDUIT			
			PHASE		EGC	
AMPS	QTY	SIZE	QTY	AWG	QTY	AWG
20	1	3/4	2	12	1	12
30	1	3/4	2	10	1	10
40	1	3/4	2	8	1	10
50	1	3/4	2	6	1	10
70	1	1	2	4	1	8
80	1	1-1/4	2	2	1	8
100	1	1-1/4	2	1	1	8

BRANCH CIRCUIT SCHEDULE						
3 WIRE + EGC						
OCPD MAX RATING	MINIMUM CONDUIT		Cu CONDUCTORS PER CONDUIT			
			PHASE		EGC	
AMPS	QTY	SIZE	QTY	AWG	QTY	AWG
20	1	3/4	3	12	1	12
30	1	3/4	3	10	1	10
40	1	1	3	8	1	10
50	1	1	3	6	1	10
70	1	1-1/4	3	4	1	8
80	1	1-1/4	3	2	1	8
100	1	1-1/2	3	1	1	8

TRANSFORMER SCHEDULE									
KVA Rating	Primary Section 480V Delta				Secondary Section 208Y/120V				GROUND
	FLA	125% FLA	OC Protection	Feeder Size	FLA	125% FLA	OC Protection	Feeder Size	
3	4	5	15 A	3#12, 1#12G IN 1/2"C	8	10	20 A	4#12, 1#12G IN 1/2"C	1#8:1/2"C
6	7	9	15 A	3#12, 1#12G IN 1/2"C	17	21	25 A	4#10, 1#10G IN 1/2"C	1#8:1/2"C
9	11	14	15 A	3#12, 1#12G IN 1/2"C	25	31	35 A	4#8, 1#10G IN 1"C	1#8:1/2"C
15	18	23	25 A	3#10, 1#10G IN 3/4"C	42	52	60 A	4#6, 1#8G IN 1-1/4"C	1#8:1/2"C
30	36	45	45 A	3#8, 1#10G IN 3/4"C	83	104	100 A	4#2, 1#8G IN 1-1/2"C	1#8:1/2"C
45	54	68	70 A	3#4, 1#8G IN 1"C	125	156	150 A	4#1/0, 1#6G IN 2"C	1#6:1/2"C
75	90	113	125 A	3#1/0, 1#6G IN 1-1/2"C	208	260	250 A	4-250KCMIL, 1#2G IN 3"C	1#2:3/4"C
112.5	135	169	175 A	3#2/0, 1#6G IN 2"C	312	390	400 A	4-600KCMIL, 1#1/0G IN 3-1/2"C	1#1/0:3/4"C
150	180	226	225 A	3#4/0, 1#4G IN 2-1/2"C	416	520	500 A	2 SETS OF (4-250KCMIL, 1#1/0G IN 3"C)	1#1/0:1"C
225	271	338	350 A	3-500KCMIL, 1#3G IN 3"C	625	781	800 A	3 SETS OF (4-300KCMIL, 1#2/0G IN 3-1/2"C) OR 2 SETS OF (4-600KCMIL, 1#3/0G IN 4"C)	1#2/0:1-1/4"C
300	361	451	450 A	2 SETS OF (3-4/0, 1#1G IN 2-1/2"C)	833	1041	1000 A	3 SETS OF (4-400KCMIL, 1#3/0G IN 3"C)	1#3/0:1/2"C
500	601	752	800 A	2 SETS OF (3-500KCMIL, 1#1/0G IN 3-1/2"C)	1388	1735	1600 A	5 SETS OF (3-400KCMIL, 1#3/0G IN 3"C)	1#3/0:1/2"C

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SEAL:

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SCHEMATIC DESIGN
4/10/2026

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FOR
ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:
POWER SCHEDULES

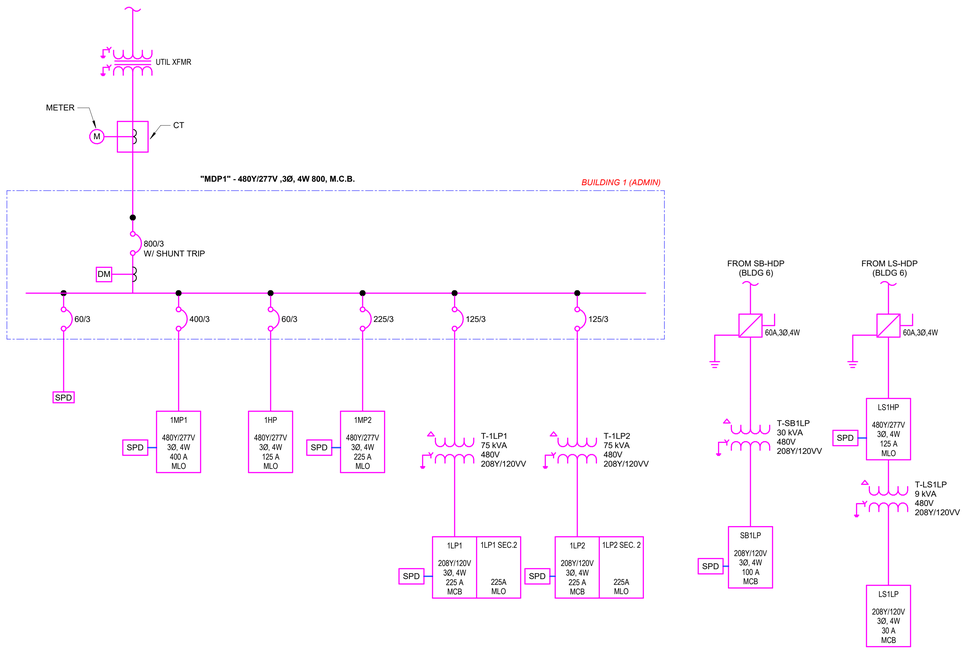
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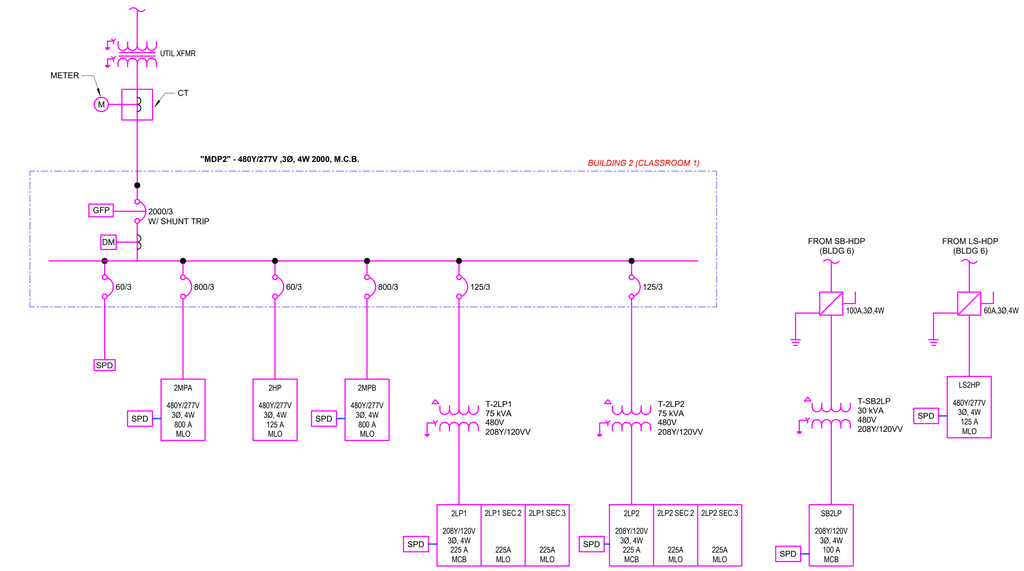
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1 E7.1 BUILDING 1 - SINGLE LINE DIAGRAM
NOT TO SCALE



2 E7.1 BUILDING 2 - SINGLE LINE DIAGRAM
NOT TO SCALE

GENERAL NOTES

A. REFER TO PANEL SCHEDULES FOR FAULT CURRENT INTERRUPTING CAPACITIES.

B. PROVIDE ARC FLASH HAZARD LABELING FOR ALL EQUIPMENT PER NEC 110.16.

C. **PROVIDE ARC FLASH HAZARD LABELING IN ACCORDANCE WITH IEEE 1584 AND NFPA 70E. PROVIDE NFPA 70E ARC FLASH PPE RATINGS ON ALL PANELS. CONTRACTOR SHALL PROVIDE A COMPLETE FAULT CURRENT ANALYSIS, OVERCURRENT/TRIP COORDINATION STUDY, AND ARC FLASH REPORT FOR THE ENTIRE ELECTRICAL DISTRIBUTION SYSTEM BASED UPON THE ACTUAL INSTALLED EQUIPMENT. REPORT SHALL BE PREPARED AND SIGNED BY A PROFESSIONAL ENGINEER. SUBMIT DURING SHOP DRAWING REVIEW FOR REVIEW BY ENGINEER OF RECORD.**

D. PROVIDE ARC FLASH REDUCTION SWITCH FOR BREAKERS 1200A OR LARGER PER NEC 240.87.

E. PROVIDE GROUND FAULT PROTECTION OF EQUIPMENT WHERE DISCONNECTING MEANS IS RATED 1000 AMPERES OR MORE. COMPLY WITH NEC 230.95 AND 210.13.

F. ALL CIRCUITRY MODIFICATIONS MADE IN THE FIELD SHALL BE INDICATED ON THE DEVICE CIRCUIT LABELS, ASSOCIATED JUNCTION BOXES ABOVE CEILING, AND IN UPDATED TYPED PANEL DIRECTORIES.

G. PROVIDE TYPED DIRECTORY AT END OF PROJECT. ALL SPARE BREAKERS SHALL BE LABELED "SPARE" IN THE DIRECTORY AND IN THE "OFF" POSITION. THERE SHALL BE NO HAND WRITTEN MARKS ON THE DIRECTORIES AT PROJECT COMPLETION. ALL PANEL SCHEDULES SHALL MEET NEC 408.4.

H. FIRST DOWNSTREAM OVERCURRENT DEVICES SHOWN ON DRY-TYPE TRANSFORMER SECONDARY FEEDERS SHALL BE LOCATED WITHIN 10 FT. AS MEASURED BY CONDUCTOR LENGTH. THIS INCLUDES MAIN CIRCUIT BREAKERS LOCATED IN PANELBOARDS.

I. PROVIDE AVAILABLE FAULT CURRENT PLAQUES ON SERVICE EQUIPMENT PER NEC 110.24. PLAQUE SHALL BE MELAMINE PLASTIC, ENGRAVED WITH RED BACKGROUND AND 1/2 INCH HIGH WHITE LETTERS. PLAQUE SHALL READ AS FOLLOWS:

MAXIMUM AVAILABLE FAULT CURRENT
X,XXX AIC
CALCULATED XX-XX-2022

J. SWITCHBOARDS, SWITCHGEAR, AND PANELBOARDS SHALL HAVE A SHORT-CIRCUIT CURRENT RATING NOT LESS THAN THE AVAILABLE FAULT CURRENT. THE AVAILABLE FAULT CURRENT AND THE DATE THE CALCULATION WAS PERFORMED SHALL BE FIELD MARKED ON THE ENCLOSURE AT THE POINT OF SUPPLY. COMPLY WITH NEC 110.21(B)(3). **THE ELECTRICAL CONTRACTOR SHALL OBTAIN, FROM THE POWER COMPANY, THE ACTUAL AVAILABLE FAULT CURRENT AT THE POINT OF DELIVERY. THE CONTRACTOR SHALL CONTACT THE ENGINEER WITH THIS VALUE AND THE VERIFIED LENGTH OF CONDUCTORS, AT THAT TIME, THE EOR WILL CONFIRM FAULT CURRENT CALCULATION RESULTS.**

K. BREAKERS RATED 125 AMPS OR LESS MUST BE MARKED FOR USE WITH 60 DEG C, 60/75 DEG C, OR 75 DEG C ONLY WIRE. ALL WIRE SIZES SHOWN ON PLANS ARE ASSUMING RATINGS OF 60/75 DEG C; UNLESS NOTED OTHERWISE. IF 75 DEG C RATED LUGS ARE PROVIDED, CONTRACTOR MUST ADJUST THE WIRE SIZES ACCORDINGLY.

L. CONTRACTOR SHALL COORDINATE SERVICE ENTRANCE EQUIPMENT WORK WITH UTILITY COMPANY AND INSTALL PER UTILITY COMPANY REQUIREMENTS. **[METERING AND PULL SECTION SHALL BE BARRIERED FROM OTHER WORK AND APPROVED BY LOCAL UTILITY COMPANY AND OTHER AUTHORITY HAVING JURISDICTION.]**

M. PER NEC ARTICLE 300 (RACEWAYS EXPOSED TO DIFFERENT TEMPERATURES), FILL ALL RACEWAYS OR SLEEVES THAT PENETRATE THE EXTERIOR OF THE BUILDING WITH AN APPROVED MATERIAL TO PREVENT THE CIRCULATION OF WARM AIR TO A COLDER SECTION OF THE RACEWAY OR SLEEVE.

N. PERFORM THE FOLLOWING TESTS: INFRARED SCANNING, INSULATION RESISTANCE TESTING, HI-POT TESTING. PROVIDE RESULTS TO DESIGN TEAM AND OWNER.

O. PROVIDE PAINTED CLEARANCES (PER NEC REQUIREMENTS) ON THE FLOOR FOR SWITCHBOARDS AND PANELBOARDS, 4" YELLOW HAZARD BORDER.

P. BREAKERS SHALL HAVE ELECTRONIC TRIP UNITS AS FOLLOWS:
1) SWITCHBOARDS:
- 100A OR LARGER: ADJUSTABLE LSI PICK-UP AND LS TIME DELAY SETTINGS

2) PANELBOARDS:
- 400A OR LARGER: ADJUSTABLE LSI PICK-UP AND LS TIME DELAY SETTINGS
- 250A TO 400A: ADJUSTABLE LI PICK-UP AND L TIME DELAY SETTINGS
- 100A TO 250A: ADJUSTABLE INSTANTANEOUS PICK-UP.

3) GROUND FAULT PROTECTION: ALL MAIN CIRCUIT BREAKERS IN SERVICE ENTRANCE EQUIPMENT OR FREE-STANDING STRUCTURES SHALL HAVE ADJUSTABLE GROUND FAULT PICKUP AND TIME DELAY SETTINGS IN ADDITION TO OVERCURRENT TRIP SETTINGS INDICATED ABOVE.

Q. PROVIDE 4", 3000 PSI REINFORCED CONCRETE HOUSEKEEPING PAD FOR ELECTRICAL EQUIPMENT (DRY-TYPE TRANSFORMERS AND MAIN SWITCHBOARD).

(##) KEYED NOTES

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spiezle

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SINGLE LINE DIAGRAMS

COMMISSION NUMBER:
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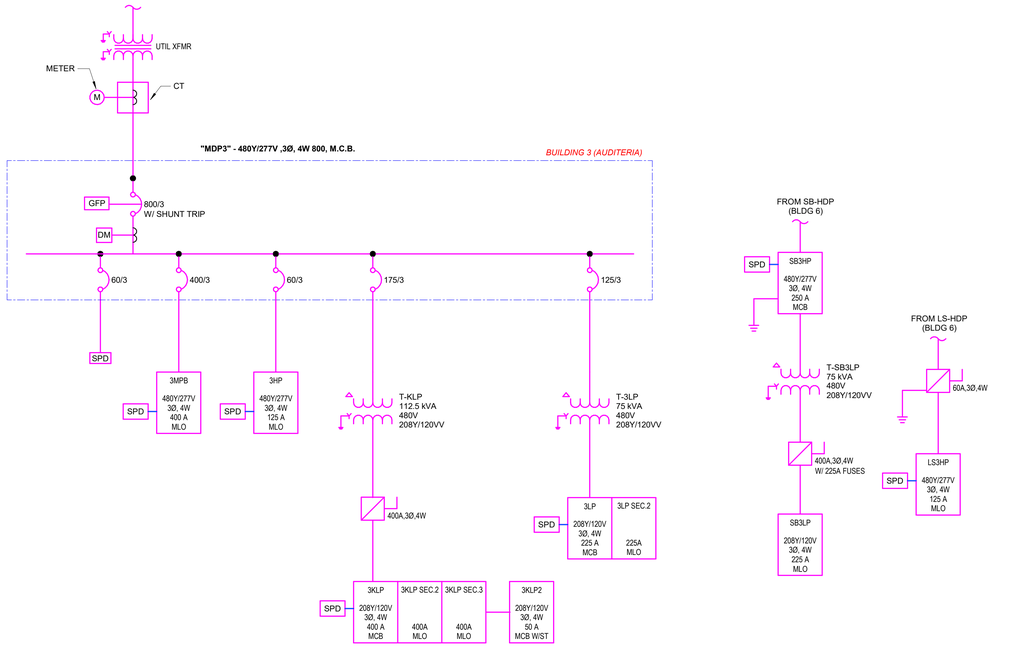
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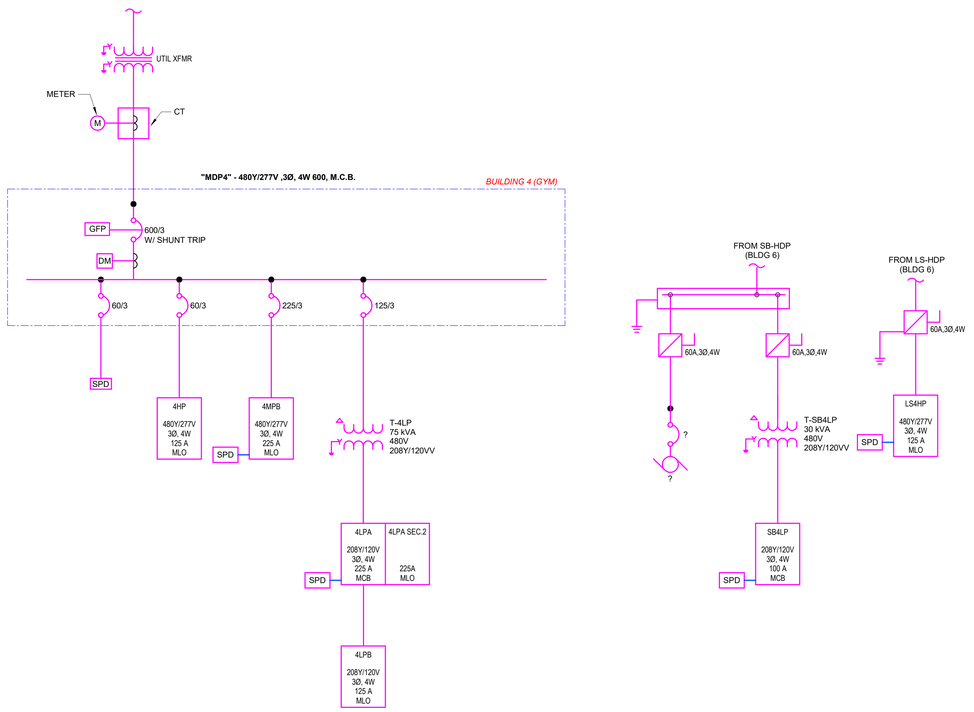
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2 BUILDING 3 - SINGLE LINE DIAGRAM
E7.2 NOT TO SCALE



1 BUILDING 4 - SINGLE LINE DIAGRAM
E7.2 NOT TO SCALE

GENERAL NOTES

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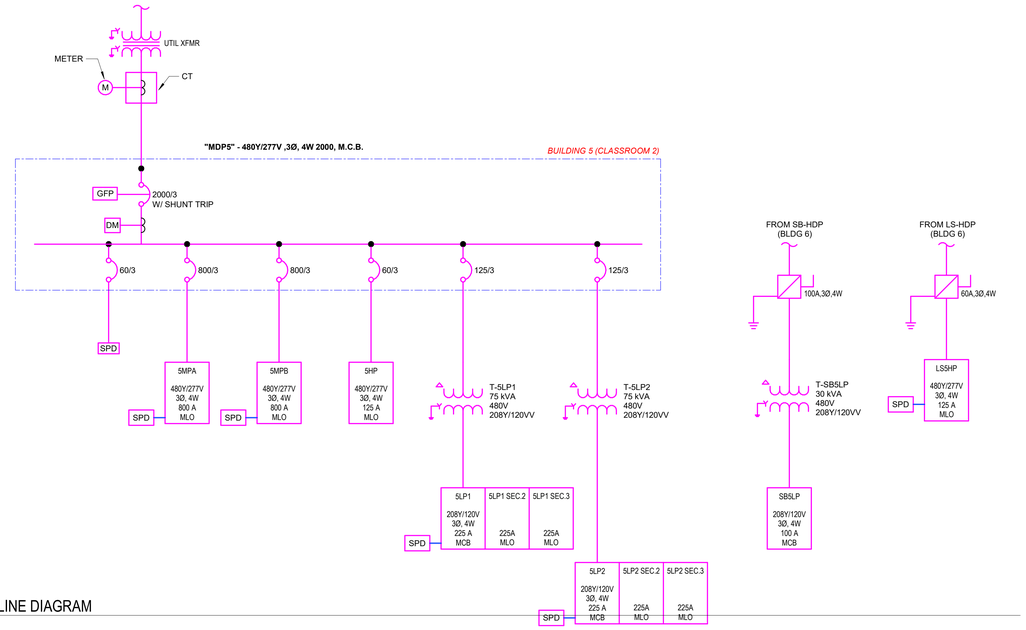
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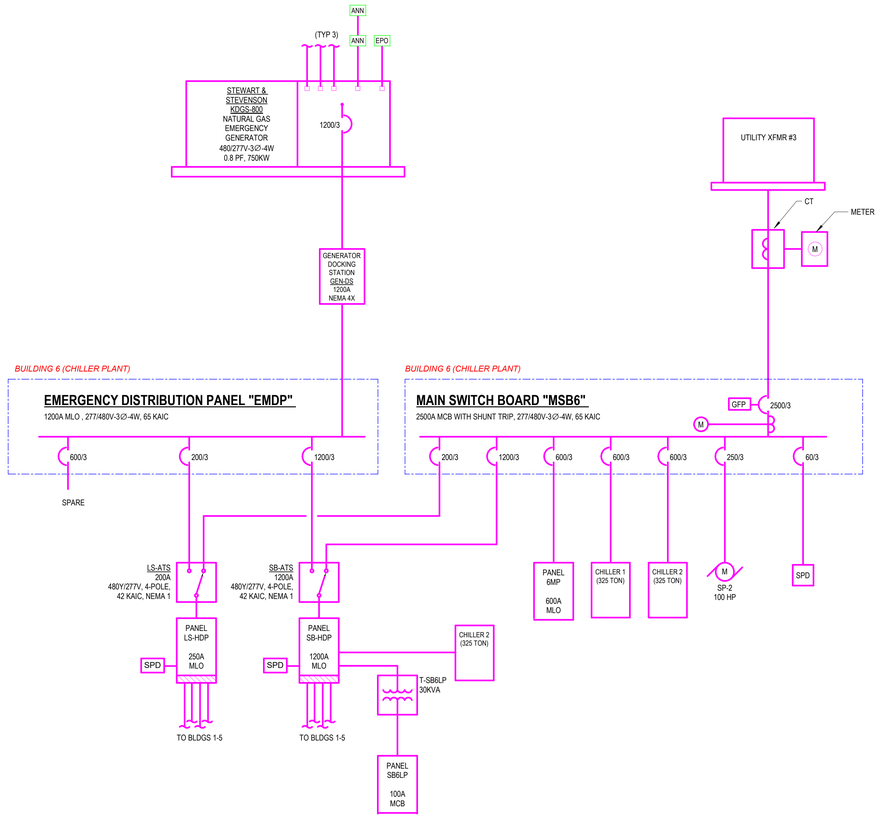
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3 BUILDING 5 - SINGLE LINE DIAGRAM
E7.3 NOT TO SCALE



2 BUILDING 6 - SINGLE LINE DIAGRAM
E7.3 NTS

GENERAL NOTES

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X,XXX AIC
CALCULATED XX-XX-2022

J. SWITCHBOARDS, SWITCHGEAR, AND PANELBOARDS SHALL HAVE A SHORT-CIRCUIT CURRENT RATING NOT LESS THAN THE AVAILABLE FAULT CURRENT. THE AVAILABLE FAULT CURRENT AND THE DATE THE CALCULATION WAS PERFORMED SHALL BE FIELD MARKED ON THE ENCLOSURE AT THE POINT OF SUPPLY. COMPLY WITH NEC 110.21(B)(3). **THE ELECTRICAL CONTRACTOR SHALL OBTAIN, FROM THE POWER COMPANY, THE ACTUAL AVAILABLE FAULT CURRENT AT THE POINT OF DELIVERY. THE CONTRACTOR SHALL CONTACT THE ENGINEER WITH THIS VALUE AND THE VERIFIED LENGTH OF CONDUCTORS, AT THAT TIME, THE EOR WILL CONFIRM FAULT CURRENT CALCULATION RESULTS.**

K. BREAKERS RATED 125 AMPS OR LESS MUST BE MARKED FOR USE WITH 60 DEG C, 60/75 DEG C, OR 75 DEG C ONLY WIRE. ALL WIRE SIZES SHOWN ON PLANS ARE ASSUMING RATINGS OF 60/75 DEG C; UNLESS NOTED OTHERWISE. IF 75 DEG C RATED LUGS ARE PROVIDED, CONTRACTOR MUST ADJUST THE WIRE SIZES ACCORDINGLY.

L. CONTRACTOR SHALL COORDINATE SERVICE ENTRANCE EQUIPMENT WORK WITH UTILITY COMPANY AND INSTALL PER UTILITY COMPANY REQUIREMENTS. **[METERING AND PULL SECTION SHALL BE BARRIERED FROM OTHER WORK AND APPROVED BY LOCAL UTILITY COMPANY AND OTHER AUTHORITY HAVING JURISDICTION.]**

M. PER NEC ARTICLE 300 (RACEWAYS EXPOSED TO DIFFERENT TEMPERATURES), FILL ALL RACEWAYS OR SLEEVES THAT PENETRATE THE EXTERIOR OF THE BUILDING WITH AN APPROVED MATERIAL TO PREVENT THE CIRCULATION OF WARM AIR TO A COLDER SECTION OF THE RACEWAY OR SLEEVE.

N. PERFORM THE FOLLOWING TESTS: INFRARED SCANNING, INSULATION RESISTANCE TESTING, HI-POT TESTING. PROVIDE RESULTS TO DESIGN TEAM AND OWNER.

O. PROVIDE PAINTED CLEARANCES (PER NEC REQUIREMENTS) ON THE FLOOR FOR SWITCHBOARDS AND PANELBOARDS, 4" YELLOW HAZARD BORDER.

P. BREAKERS SHALL HAVE ELECTRONIC TRIP UNITS AS FOLLOWS:
1) SWITCHBOARDS:
- 100A OR LARGER: ADJUSTABLE LSI PICK-UP AND LS TIME DELAY SETTINGS

2) PANELBOARDS:
- 400A OR LARGER: ADJUSTABLE LSI PICK-UP AND LS TIME DELAY SETTINGS
- 250A TO 400A: ADJUSTABLE LI PICK-UP AND L TIME DELAY SETTINGS
- 100A TO 250A: ADJUSTABLE INSTANTANEOUS PICK-UP.

3) GROUND FAULT PROTECTION: ALL MAIN CIRCUIT BREAKERS IN SERVICE ENTRANCE EQUIPMENT OR FREE-STANDING STRUCTURES SHALL HAVE ADJUSTABLE GROUND FAULT PICKUP AND TIME DELAY SETTINGS IN ADDITION TO OVERCURRENT TRIP SETTINGS INDICATED ABOVE.

Q. PROVIDE 4", 3000 PSI REINFORCED CONCRETE HOUSEKEEPING PAD FOR ELECTRICAL EQUIPMENT (DRY-TYPE TRANSFORMERS AND MAIN SWITCHBOARD).

KEYED NOTES

CODE REVIEW:

CERTIFICATE:

spiezle

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL. 32960
PHONE: 866.974.7666

SIGNATURE:

ANTHONY DONADIO	AR0013456
STEVEN G. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

#	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

SINGLE LINE DIAGRAMS

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E7.3

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

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DIST. PANEL: MDP1 — New

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A
W/ SHUNT TRIP

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	A	B	C
1	1MP1	3	400 A	0 kVA	0 kVA	0 kVA
2	1HP	3	60 A	0 kVA	0 kVA	0 kVA
3	T-1LP1	3	125 A	0 kVA	0 kVA	0 kVA
4	1MP2	3	250 A	0 kVA	0 kVA	0 kVA
5	T-1LP2	3	125 A	0 kVA	0 kVA	0 kVA
6	SPD	3	60 A	0 kVA	0 kVA	0 kVA
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
				0 kVA	0 kVA	0 kVA
				0 A	0 A	0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: 1MP1 — New

Location:
Supply From: MDP1
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 400 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25					--			1	--	SPACE	--	26
27						--		1	--	SPACE	--	28
29							--	1	--	SPACE	--	30
31					--			1	--	SPACE	--	32
33						--		1	--	SPACE	--	34
35							--	1	--	SPACE	--	36
37					--			1	--	SPACE	--	38
39						--		1	--	SPACE	--	40
41							--	1	--	SPACE	--	42
43					--			1	--	SPACE	--	44
45						--		1	--	SPACE	--	46
47							--	1	--	SPACE	--	48
49				0								50
51					0			3	30 A	SPD	--	52
53							0					54
			Total Load:	0 VA	0 VA	0 VA						
			Total Amps:	0 A	0 A	0 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: 1HP — New

Location:
Supply From: MDP1
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 125 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25					--			1	--	SPACE	--	26
27						--		1	--	SPACE	--	28
29							--	1	--	SPACE	--	30
31					--			1	--	SPACE	--	32
33						--		1	--	SPACE	--	34
35							--	1	--	SPACE	--	36
37					--			1	--	SPACE	--	38
39						--		1	--	SPACE	--	40
41							--	1	--	SPACE	--	42
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: 1MP2 — New

Location:
Supply From: MDP1
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 225 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9						--		1	--	SPACE	--	10
11							--	1	--	SPACE	--	12
13					--			1	--	SPACE	--	14
15						--		1	--	SPACE	--	16
17							--	1	--	SPACE	--	18
19					--			1	--	SPACE	--	20
21						--		1	--	SPACE	--	22
23							--	1	--	SPACE	--	24
25					--			1	--	SPACE	--	26
27						--		1	--	SPACE	--	28
29							--	1	--	SPACE	--	30
31					--			1	--	SPACE	--	32
33						--		1	--	SPACE	--	34
35							--	1	--	SPACE	--	36
37				0								38
39						0		3	30 A	SPD	--	40
41							0					42
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

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STEVEN G. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 1

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.1

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

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Branch Panel: 1LP1 — New

Location:
Supply From: T-1LP1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37					0							38
39						0		3	30 A	SPD	--	40
41							0					42
43												44
45												46
47												48
49												50
51												52
53												54
55												56
57												58
59							--	1	--	SPACE	--	60
61					--			1	--	SPACE	--	62
63						--		1	--	SPACE	--	64
65							--	1	--	SPACE	--	66
67					--			1	--	SPACE	--	68
69						--		1	--	SPACE	--	70
71							--	1	--	SPACE	--	72
73					--			1	--	SPACE	--	74
75						--		1	--	SPACE	--	76
77							--	1	--	SPACE	--	78
79					--			1	--	SPACE	--	80
81						--		1	--	SPACE	--	82
83							--	1	--	SPACE	--	84
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

Branch Panel: 1LP2 — New

Location:
Supply From: T-1LP2
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37					0							38
39						0		3	30 A	SPD	--	40
41							0					42
43					0			1	20 A	SPARE	--	44
45						0		1	20 A	SPARE	--	46
47							0	1	20 A	SPARE	--	48
49					0			1	20 A	SPARE	--	50
51						0		1	20 A	SPARE	--	52
53							0	1	20 A	SPARE	--	54
55					0			1	20 A	SPARE	--	56
57						0		1	20 A	SPARE	--	58
59							0	1	20 A	SPARE	--	60
61					0			1	20 A	SPARE	--	62
63						0		1	20 A	SPARE	--	64
65							0	1	20 A	SPARE	--	66
67					0			1	20 A	SPARE	--	68
69						0		1	20 A	SPARE	--	70
71							0	1	20 A	SPARE	--	72
73					0			1	20 A	SPARE	--	74
75						0		1	20 A	SPARE	--	76
77							0	1	20 A	SPARE	--	78
79					--			1	--	SPACE	--	80
81						--		1	--	SPACE	--	82
83							--	1	--	SPACE	--	84
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

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STEVEN D. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE
1		

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 1

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.2

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

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Branch Panel: LS1HP — New

Location:
Supply From: LS-HDP
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 125 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1					0							2
3						0		3	30 A	SPD	--	4
5	--	SPACE	--	1			-- 0					6
7	--	SPACE	--	1	-- 0			1	20 A	SPARE	--	8
9	--	SPACE	--	1		-- 0		1	20 A	SPARE	--	10
11	--	SPACE	--	1			-- 0	1	20 A	SPARE	--	12
13	--	SPACE	--	1	-- 0			1	20 A	SPARE	--	14
15	--	SPACE	--	1		-- 0		1	20 A	SPARE	--	16
17	--	SPACE	--	1			-- 0	1	20 A	SPARE	--	18
19	--	SPACE	--	1	-- 0			1	20 A	SPARE	--	20
21	--	SPACE	--	1		-- 0		1	20 A	SPARE	--	22
23	--	SPACE	--	1			-- 0	1	20 A	SPARE	--	24
25	--	SPACE	--	1	-- --			1	--	SPACE	--	26
27	--	SPACE	--	1		-- --		1	--	SPACE	--	28
29	--	SPACE	--	1			-- --	1	--	SPACE	--	30
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: LS1LP — New

Location:
Supply From: T-LS1LP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 60 A
MCB Rating: 30 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1					0			1	20 A	SPARE	--	2
3						0		1	20 A	SPARE	--	4
5	--	SPARE	20 A	1			0 0	1	20 A	SPARE	--	6
7	--	SPARE	20 A	1	0 0			1	20 A	SPARE	--	8
9	--	SPARE	20 A	1		0 0		1	20 A	SPARE	--	10
11	--	SPARE	20 A	1			0 0	1	20 A	SPARE	--	12
13	--	SPACE	--	1	-- --			1	--	SPACE	--	14
15	--	SPACE	--	1		-- --		1	--	SPACE	--	16
17	--	SPACE	--	1			-- --	1	--	SPACE	--	18
19	--	SPACE	--	1	-- --			1	--	SPACE	--	20
21	--	SPACE	--	1		-- --		1	--	SPACE	--	22
23	--	SPACE	--	1			-- --	1	--	SPACE	--	24
25	--	SPACE	--	1	-- --			1	--	SPACE	--	26
27	--	SPACE	--	1		-- --		1	--	SPACE	--	28
29	--	SPACE	--	1			-- --	1	--	SPACE	--	30
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

Branch Panel: SB1LP — New

Location:
Supply From: T-SB1LP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1					0							2
3						0		3	30 A	SPD	--	4
5							0					6
7					--			1	--	SPACE	--	8
9						--		1	--	SPACE	--	10
11							--	1	--	SPACE	--	12
13					--			1	--	SPACE	--	14
15						--		1	--	SPACE	--	16
17							--	1	--	SPACE	--	18
19					--			1	--	SPACE	--	20
21						--		1	--	SPACE	--	22
23							--	1	--	SPACE	--	24
25					--			1	--	SPACE	--	26
27						--		1	--	SPACE	--	28
29							--	1	--	SPACE	--	30
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

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JOHN F. WRIGHT AR101341
STEVE LEONE AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 1

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.3

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

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Autodesk Docs://26K014 - St Lucie PS - Green Zone K-8/26K014 - St Lucie Green Zone_Ev26.rvt

DRAWN BY:Author CHECKED BY:Checker

Switchboard: MDP2

New

Location:
Supply From:
Mounting:
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MAIN BREAKER
Mains Rating: 2000 A
MCB Rating: 2000 A
W/ SHUNT TRIP

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	2MPA	3	800 A	800 A	0 kVA	
2	2MPB	3	800 A	800 A	0 kVA	
3	2HP	3	125 A	125 A	0 kVA	
4	T-2LP1	3	400 A	125 A	0 kVA	
5	T-2LP2	3	400 A	125 A	0 kVA	
6	SPARE	3	60 A	60 A	0 kVA	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
				Total Conn. Load:	0 kVA	
				Total Amps:	0 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	0 kVA	0.00%	0 kVA		
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: 2HP

New

Location:
Supply From: MDP2
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 125 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27						0		1	20 A	SPARE	--	28
29							0	1	20 A	SPARE	--	30
31					0			1	20 A	SPARE	--	32
33						0		1	20 A	SPARE	--	34
35							0	1	20 A	SPARE	--	36
37					0			1	20 A	SPARE	--	38
39	--	SPACE	--	1		--	0	1	20 A	SPARE	--	40
41	--	SPACE	--	1			--	0	1	20 A	SPARE	--	42
					Total Load:	0 VA	0 VA	0 VA				
					Total Amps:	0 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: 2MPB

New

Location:
Supply From: MDP2
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 800 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37					0							38
39						0		3	30 A	SPD	--	40
41							0					42
43												44
45												46
47												48
49												50
51												52
53												54
55												56
57												58
59												60
61												62
63												64
65												66
67												68
69												70
71												72
73												74
75												76
77												78
79												80
81												82
83												84
					Total Load:	0 VA	0 VA	0 VA				
					Total Amps:	0 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: 2MPA

New

Location:
Supply From: MDP2
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 800 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37					0							38
39						0		3	30 A	SPD	--	40
41							0					42
43												44
45												46
47												48
49												50
51												52
53												54
55												56
57												58
59												60
61												62
63												64
65												66
67												68
69												70
71												72
73												74
75												76
77												78
79												80
81												82
83												84
					Total Load:	0 VA	0 VA	0 VA				
					Total Amps:	0 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

ANTHONY DONADIO	AR0013456
STEVEN G. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 2

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.4

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

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Autodesk Docs://26K014 - St Lucie PS - Green Zone K-8/26K014 - St Lucie Green Zone_Ev26.rvt

DRAWN BY:Author CHECKED BY:Checker

Branch Panel: 2LP1 — New

Location:
Supply From: T-2LP1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
43												44
45												46
47												48
49												50
51												52
53												54
55												56
57												58
59												60
61												62
63												64
65												66
67												68
69												70
71												72
73												74
75												76
77												78
79												80
81												82
83												84
85												86
87												88
89												90
91												92
93												94
95												96
97												98
99												100
101												102
103												104
105												106
107												108
109												110
111												112
113												114
115												116
117												118
119												120
121												122
123												124
125												126
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

Branch Panel: 2LP2 — New

Location:
Supply From: T-2LP2
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
43												44
45												46
47												48
49												50
51												52
53												54
55												56
57												58
59												60
61												62
63												64
65												66
67												68
69												70
71												72
73												74
75												76
77												78
79												80
81												82
83												84
85												86
87												88
89												90
91												92
93												94
95												96
97												98
99												100
101												102
103												104
105												106
107												108
109												110
111												112
113												114
115												116
117												118
119												120
121												122
123												124
125												126
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

ANTHONY DONADIO	AR0013456
STEVEN G. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 2

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.5

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

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Autodesk Docs://26K014 - St Lucie PS - Green Zone K-8/26K014 - St Lucie Green Zone_Ev26.rvt

DRAWN BY:Author CHECKED BY:Checker

Branch Panel: LS2HP — New

Location:
Supply From: LS-HDP
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 125 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1					0							2
3						0		3	30 A	SPD	--	4
5							0					6
7					0			1	20 A	SPARE	--	8
9						0		1	20 A	SPARE	--	10
11							0	1	20 A	SPARE	--	12
13					0			1	20 A	SPARE	--	14
15						0		1	20 A	SPARE	--	16
17							0	1	20 A	SPARE	--	18
19					0			1	20 A	SPARE	--	20
21	--	SPACE	--	1		--	--	1	--	SPACE	--	22
23	--	SPACE	--	1			--	1	--	SPACE	--	24
25	--	SPACE	--	1	--	--		1	--	SPACE	--	26
27	--	SPACE	--	1		--	--	1	--	SPACE	--	28
29	--	SPACE	--	1			--	1	--	SPACE	--	30
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: SB2LP — New

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1					0							2
3						0		3	30 A	SPD	--	4
5							0					6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:



CODE REVIEW:

CERTIFICATE:

spiezle

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

ANTHONY DONADIO	AR0013456
STEVEN G. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE
1		

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 2

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.6

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Branch Panel: MDP3 — New

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A W/ SHUNT TRIP

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1					0 0							2
3	SP	3MPB	400 A	3		0 0		3	175 A	T-KLP	SP	4
5							0 0					6
7					0 0							8
9	SP	3HP	60 A	3		0 0		3	125 A	T-3LP	SP	10
11							0 0					12
13					0 0							14
15	--	SPD	60 A	3		0 0		3	175 A	SPARE	--	16
17							0 0					18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

Branch Panel: 3HP — New

Location:
Supply From: MDP3
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 125 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1					0							2
3						0		3	30 A	SPD	--	4
5							0					6
7					0			1	20 A	SPARE	--	8
9						0		1	20 A	SPARE	--	10
11							0	1	20 A	SPARE	--	12
13					0			1	20 A	SPARE	--	14
15						0		1	20 A	SPARE	--	16
17							0	1	20 A	SPARE	--	18
19	--	SPACE	--	1	0			1	20 A	SPARE	--	20
21	--	SPACE	--	1		0		1	20 A	SPARE	--	22
23	--	SPACE	--	1			0	1	20 A	SPARE	--	24
25	--	SPACE	--	1	0			1	20 A	SPARE	--	26
27	--	SPACE	--	1		0		1	--	SPACE	--	28
29	--	SPACE	--	1			0	1	--	SPACE	--	30
31	--	SPACE	--	1	0			1	--	SPACE	--	32
33						0		1	--	SPACE	--	34
35							0	1	--	SPACE	--	36
37	--	SPACE	--	1	0			1	--	SPACE	--	38
39	--	SPACE	--	1		0		1	--	SPACE	--	40
41	--	SPACE	--	1			0	1	--	SPACE	--	42
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: 3MPB — New

Location:
Supply From: MDP3
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 400 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13					--			1	--	SPACE	--	14
15						--		1	--	SPACE	--	16
17							--	1	--	SPACE	--	18
19					--			1	--	SPACE	--	20
21						--		1	--	SPACE	--	22
23							--	1	--	SPACE	--	24
25					--			1	--	SPACE	--	26
27						--		1	--	SPACE	--	28
29							--	1	--	SPACE	--	30
31					--			1	--	SPACE	--	32
33						--		1	--	SPACE	--	34
35							--	1	--	SPACE	--	36
37					--			1	--	SPACE	--	38
39						--		1	--	SPACE	--	40
41							--	1	--	SPACE	--	42
43					--			1	--	SPACE	--	44
45						--		1	--	SPACE	--	46
47							--	1	--	SPACE	--	48
49					0							50
51						0		3	30 A	SPD	--	52
53							0					54
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

ANTHONY CONACIO AR0013456
STEVEN G. SIEGEL AR99546
JOHN F. WRIGHT AR101341
STEVE LEONE AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE
1		

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 3

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.7

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Branch Panel: 3LP — New

Location:
Supply From: T-3LP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Load Type	CKT
1					0							2
3						0		3	30 A	SPD	--	4
5							0					6
7												8
9												10
11												12
13												14
15												16
17							0	1	20 A	SPARE	--	18
19					0			1	20 A	SPARE	--	20
21						0		1	20 A	SPARE	--	22
23							0	1	20 A	SPARE	--	24
25					0			1	20 A	SPARE	--	26
27						0		1	20 A	SPARE	--	28
29							0	1	20 A	SPARE	--	30
31					0			1	20 A	SPARE	--	32
33						0		1	20 A	SPARE	--	34
35							0	1	20 A	SPARE	--	36
37					0			1	20 A	SPARE	--	38
39	--	SPARE	20 A	1		0	0	1	20 A	SPARE	--	40
41	--	SPARE	20 A	1			0	0	1	20 A	SPARE	--	42
43												44
45												46
47												48
49					0			1	20 A	SPARE	--	50
51						0		1	20 A	SPARE	--	52
53							0	1	20 A	SPARE	--	54
55					0			1	20 A	SPARE	--	56
57						0		1	20 A	SPARE	--	58
59							0	1	20 A	SPARE	--	60
61					0			1	20 A	SPARE	--	62
63						0		1	20 A	SPARE	--	64
65							0	1	20 A	SPARE	--	66
67					0			1	20 A	SPARE	--	68
69						0		1	20 A	SPARE	--	70
71							0	1	20 A	SPARE	--	72
73					0			1	20 A	SPARE	--	74
75						0		1	20 A	SPARE	--	76
77							0	1	20 A	SPARE	--	78
79					0			1	20 A	SPARE	--	80
81						0		1	20 A	SPARE	--	82
83							0	1	20 A	SPARE	--	84
				Total Load:	0 VA	0 VA	0 VA					
				Total Amps:	0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

Branch Panel: 3KLP — New

Location:
Supply From: T-KLP
Mounting: Flush
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37					0							38
39						0		3	30 A	SPD	--	40
41							0					42
43												44
45												46
47												48
49												50
51												52
53												54
55												56
57												58
59												60
61												62
63												64
65												66
67												68
69												70
71												72
73												74
75												76
77												78
79					0							80
81	SP	3KLP2	50 A	3		0						82
83							0					84
85												86
87						0		1	20 A	SPARE	--	88
89							0	1	20 A	SPARE	--	90
91					0			1	20 A	SPARE	--	92
93						0		1	20 A	SPARE	--	94
95	--	SPARE	20 A	1			0	0	1	20 A	SPARE	--	96
97	--	SPARE	20 A	1	0	0			1	20 A	SPARE	--	98
99	--	SPARE	20 A	1		0	0		1	20 A	SPARE	--	100
101	--	SPARE	20 A	1			0	0	1	20 A	SPARE	--	102
103	--	SPARE	20 A	1	0	--			1	--	SPACE	--	104
105	--	SPARE	20 A	1		0	--		1	--	SPACE	--	106
107	--	SPARE	20 A	1			0	--	1	--	SPACE	--	108
109	--	SPARE	20 A	1	0	--			1	--	SPACE	--	110
111	--	SPARE	20 A	1		0	--		1	--	SPACE	--	112
113	--	SPARE	20 A	1			0	--	1	--	SPACE	--	114
115	--	SPARE	20 A	1	0	--			1	--	SPACE	--	116
117	--	SPARE	20 A	1		0	--		1	--	SPACE	--	118
119	--	SPARE	20 A	1			0	--	1	--	SPACE	--	120
121	--	SPARE	20 A	1	0	--			1	--	SPACE	--	122
123	--	SPARE	20 A	1		0	--		1	--	SPACE	--	124
125	--	SPARE	20 A	1			0	--	1	--	SPACE	--	126
				Total Load:	0 VA	0 VA	0 VA					
				Total Amps:	0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

Branch Panel: 3KLP2 — New

Location:
Supply From: 3KLP
Mounting: Flush
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 50 A
WITH SHUNT TRIP

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1					0			1	20 A	SPARE	--	2
3						0		1	20 A	SPARE	--	4
5							0	1	20 A	SPARE	--	6
7					0			1	20 A	SPARE	--	8
9						0		1	20 A	SPARE	--	10
11							0	1	20 A	SPARE	--	12
13					--			1	--	SPACE	--	14
15	--	SPACE	--	1		--	--	1	--	SPACE	--	16
17	--	SPACE	--	1			--	1	--	SPACE	--	18
19	--	SPACE	--	1	--	--		1	--	SPACE	--	20
21	--	SPACE	--	1		--	--	1	--	SPACE	--	22
23	--	SPACE	--	1			--	1	--	SPACE	--	24
25	--	SPACE	--	1	--	--		1	--	SPACE	--	26
27	--	SPACE	--	1		--	--	1	--	SPACE	--	28
29	--	SPACE	--	1			--	1	--	SPACE	--	30
				Total Load:	0 VA	0 VA	0 VA					
				Total Amps:	0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

ANTHONY CONADIO	AR0013456
STEVEN G. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 3

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.8

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DRAWN BY:Author CHECKED BY:Checker

Branch Panel: SB3HP — New

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1					0	0									2
3	SP	T-SB3LP	125 A	3			0	0			3	30 A	SPD	--	4
5									0	0					6
7															8
9															10
11															12
13															14
15															16
17															18
19															20
21															22
23															24
25															26
27															28
29															30
31															32
33															34
35															36
37															38
39															40
41															42
				Total Load:	0 VA		0 VA		0 VA						
				Total Amps:	0 A		0 A		0 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

Branch Panel: LS3HP — New

Location:
Supply From: LS-HDP
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 125 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1						0									2
3								0			3	30 A	SPD	--	4
5										0					6
7						0					1	20 A	SPARE	--	8
9								0			1	20 A	SPARE	--	10
11	--	SPACE	--	1					--	0	1	20 A	SPARE	--	12
13	--	SPACE	--	1	--	0					1	20 A	SPARE	--	14
15	--	SPACE	--	1			--	0			1	20 A	SPARE	--	16
17	--	SPACE	--	1					--	0	1	20 A	SPARE	--	18
19	--	SPACE	--	1	--	0					1	20 A	SPARE	--	20
21	--	SPACE	--	1			--	--			1	--	SPACE	--	22
23	--	SPACE	--	1					--	--	1	--	SPACE	--	24
25	--	SPACE	--	1	--	--					1	--	SPACE	--	26
27	--	SPACE	--	1			--	--			1	--	SPACE	--	28
29	--	SPACE	--	1					--	--	1	--	SPACE	--	30
			Total Load:		0 VA		0 VA		0 VA						
			Total Amps:		0 A		0 A		0 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: SB3LP — New

Location:
Supply From: T-SB3LP
Mounting: Flush
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 400 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1															2
3															4
5															6
7															8
9															10
11															12
13															14
15															16
17															18
19															20
21															22
23															24
25						0					1	20 A	SPARE	--	26
27								0			1	20 A	SPARE	--	28
29										0	1	20 A	SPARE	--	30
31						0					1	20 A	SPARE	--	32
33								0			1	20 A	SPARE	--	34
35										0	1	20 A	SPARE	--	36
37						0					1	20 A	SPARE	--	38
39	--	SPACE	--	1			--	--			1	--	SPACE	--	40
41	--	SPACE	--	1					--	--	1	--	SPACE	--	42
43	--	SPACE	--	1	--	--					1	--	SPACE	--	44
45	--	SPACE	--	1			--	--			1	--	SPACE	--	46
47	--	SPACE	--	1					--	--	1	--	SPACE	--	48
49	--	SPACE	--	1	--	--					1	--	SPACE	--	50
51	--	SPACE	--	1			--	--			1	--	SPACE	--	52
53	--	SPACE	--	1					--	--	1	--	SPACE	--	54
55	--	SPACE	--	1	--	--					1	--	SPACE	--	56
57	--	SPACE	--	1			--	--			1	--	SPACE	--	58
59	--	SPACE	--	1					--	--	1	--	SPACE	--	60
61	--	SPACE	--	1	--	--					1	--	SPACE	--	62
63	--	SPACE	--	1			--	--			1	--	SPACE	--	64
65	--	SPACE	--	1					--	--	1	--	SPACE	--	66
67	--	SPACE	--	1	--	--					1	--	SPACE	--	68
69	--	SPACE	--	1			--	--			1	--	SPACE	--	70
71	--	SPACE	--	1					--	--	1	--	SPACE	--	72
73	--	SPACE	--	1	--	--					1	--	SPACE	--	74
75	--	SPACE	--	1			--	--			1	--	SPACE	--	76
77	--	SPACE	--	1					--	--	1	--	SPACE	--	78
79	--	SPACE	--	1	--	--					1	--	SPACE	--	80
81	--	SPACE	--	1			--	--			1	--	SPACE	--	82
83	--	SPACE	--	1					--	--	1	--	SPACE	--	84
			Total Load:		0 VA		0 VA		0 VA						
			Total Amps:		0 A		0 A		0 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

ANTHONY DONADIO	AR0013456
STEVEN G. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 3

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.9

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Autodesk Docs://26K014 - St Lucie PS - Green Zone K-8/26K014 - St Lucie Green Zone_Ev26.rvt

DRAWN BY:Author CHECKED BY:Checker

Branch Panel: MDP4 — New

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MCB
Mains Rating: 600 A
MCB Rating: 600 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1					0	0									2
3	SP	T-4LP	125 A	3			0	0			3	250 A	4MPB	SP	4
5									0	0					6
7					0										8
9	SP	4HP	60 A	3			0								10
11									0						12
13															14
15								--			1	--	SPACE	--	16
17										--	1	--	SPACE	--	18
19						--					1	--	SPACE	--	20
21								--			1	--	SPACE	--	22
23										--	1	--	SPACE	--	24
25						--					1	--	SPACE	--	26
27								--			1	--	SPACE	--	28
29										--	1	--	SPACE	--	30
31						--					1	--	SPACE	--	32
33								--			1	--	SPACE	--	34
35										--	1	--	SPACE	--	36
37					0	--					1	--	SPACE	--	38
39	--	SPARE	30 A	3			0	--			1	--	SPACE	--	40
41									0	--	1	--	SPACE	--	42
				Total Load:	0 VA		0 VA		0 VA						
				Total Amps:	0 A		0 A		0 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

Branch Panel: 4MPB — New

Location:
Supply From: MDP4
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1						0									2
3								0			3	30 A	SPD	--	4
5										0					6
7						--					1	--	SPACE	--	8
9								--			1	--	SPACE	--	10
11										--	1	--	SPACE	--	12
13						--					1	--	SPACE	--	14
15								--			1	--	SPACE	--	16
17										--	1	--	SPACE	--	18
19						--					1	--	SPACE	--	20
21								--			1	--	SPACE	--	22
23										--	1	--	SPACE	--	24
25						--					1	--	SPACE	--	26
27								--			1	--	SPACE	--	28
29										--	1	--	SPACE	--	30
31						--					1	--	SPACE	--	32
33								--			1	--	SPACE	--	34
35										--	1	--	SPACE	--	36
37						--					1	--	SPACE	--	38
39								--			1	--	SPACE	--	40
41										--	1	--	SPACE	--	42
				Total Load:	0 VA		0 VA		0 VA						
				Total Amps:	0 A		0 A		0 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

Branch Panel: 4HP — New

Location:
Supply From: MDP4
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 125 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1						0					1	20 A	SPARE	--	2
3								0			1	20 A	SPARE	--	4
5										0	1	20 A	SPARE	--	6
7						0					1	20 A	SPARE	--	8
9								0			1	20 A	SPARE	--	10
11										0	1	20 A	SPARE	--	12
13						0					1	20 A	SPARE	--	14
15								0			1	20 A	SPARE	--	16
17										0	1	20 A	SPARE	--	18
19						0					1	20 A	SPARE	--	20
21								--			1	--	SPACE	--	22
23	--	SPACE	--	1					--	--	1	--	SPACE	--	24
25	--	SPACE	--	1	--	--					1	--	SPACE	--	26
27	--	SPACE	--	1			--	--			1	--	SPACE	--	28
29	--	SPACE	--	1					--	--	1	--	SPACE	--	30
31	--	SPACE	--	1	--	--					1	--	SPACE	--	32
33	--	SPACE	--	1			--	--			1	--	SPACE	--	34
35	--	SPACE	--	1					--	--	1	--	SPACE	--	36
37	--	SPACE	--	1	--	--					1	--	SPACE	--	38
39	--	SPACE	--	1			--	--			1	--	SPACE	--	40
41	--	SPACE	--	1					--	--	1	--	SPACE	--	42
				Total Load:	0 VA		0 VA		0 VA						
				Total Amps:	0 A		0 A		0 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: 4LPB — New

Location:
Supply From: 4LPA
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MLO
Mains Rating: 125 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1						0									2
3								0			3	30 A	SPD	--	4
5										0					6
7						0					1	20 A	SPARE	--	8
9								0			1	20 A	SPARE	--	10
11										0	1	20 A	SPARE	--	12
13						0					1	20 A	SPARE	--	14
15								0			1	20 A	SPARE	--	16
17										0	1	20 A	SPARE	--	18
19						0					1	20 A	SPARE	--	20
21								0			1	20 A	SPARE	--	22
23										0	1	20 A	SPARE	--	24
25						0					1	20 A	SPARE	--	26
27								--			1	--	SPACE	--	28
29										--	1	--	SPACE	--	30
31	--	SPACE	--	1	--	--					1	--	SPACE	--	32
33	--	SPACE	--	1			--	--			1	--	SPACE	--	34
35	--	SPACE	--	1					--	--	1	--	SPACE	--	36
37	--	SPACE	--	1	--	--					1	--	SPACE	--	38
39	--	SPACE	--	1			--	--			1	--	SPACE	--	40
41	--	SPACE	--	1					--	--	1	--	SPACE	--	42
				Total Load:	0 VA		0 VA		0 VA						
				Total Amps:	0 A		0 A		0 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

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JOHN F. WRIGHT	AR101341
STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 4

COMMISSION NUMBER:

26K014

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DRAWING NUMBER:

E8.10

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Autodesk Docs://26K014 - St Lucie PS - Green Zone K-8/26K014 - St Lucie Green Zone_Ev26.rvt

DRAWN BY:Author CHECKED BY:Checker

Branch Panel: 4LPA — New

Location:
Supply From: T-3LP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1					0							2
3						0		3	125 A	3LPB	SP	4
5							0					6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37					0							38
39						0		3	30 A	SPD	--	40
41							0					42
43					0			1	20 A	SPARE	--	44
45						0		1	20 A	SPARE	--	46
47							0	1	20 A	SPARE	--	48
49					0			1	20 A	SPARE	--	50
51						0		1	20 A	SPARE	--	52
53							0	1	20 A	SPARE	--	54
55					0			1	20 A	SPARE	--	56
57						0		1	20 A	SPARE	--	58
59							0	1	20 A	SPARE	--	60
61					--			1	--	SPACE	--	62
63						--		1	--	SPACE	--	64
65							--	1	--	SPACE	--	66
67					--			1	--	SPACE	--	68
69						--		1	--	SPACE	--	70
71							--	1	--	SPACE	--	72
73					--			1	--	SPACE	--	74
75	--	SPACE	--	1		--	--	1	--	SPACE	--	76
77	--	SPACE	--	1			--	1	--	SPACE	--	78
79	--	SPACE	--	1	--	--		1	--	SPACE	--	80
81	--	SPACE	--	1		--	--	1	--	SPACE	--	82
83	--	SPACE	--	1			--	1	--	SPACE	--	84
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

Branch Panel: LS4HP — New

Location:
Supply From: LS-HDP
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 125 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1					0							2
3						0		3	30 A	SPD	--	4
5							0					6
7					0			1	20 A	SPARE	--	8
9						0		1	20 A	SPARE	--	10
11							0	1	20 A	SPARE	--	12
13					0			1	20 A	SPARE	--	14
15						0		1	20 A	SPARE	--	16
17							--	1	--	SPACE	--	18
19					--			1	--	SPACE	--	20
21	--	SPACE	--	1		--	--	1	--	SPACE	--	22
23	--	SPACE	--	1			--	1	--	SPACE	--	24
25	--	SPACE	--	1	--	--		1	--	SPACE	--	26
27	--	SPACE	--	1			--	1	--	SPACE	--	28
29	--	SPACE	--	1				1	--	SPACE	--	30
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: SB4LP — New

Location:
Supply From: T-SB4LP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1					0							2
3						0		3	30 A	SPD	--	4
5							0					6
7					0			1	20 A	SPARE	--	8
9						0		1	20 A	SPARE	--	10
11							0	1	20 A	SPARE	--	12
13					0			1	20 A	SPARE	--	14
15						0		1	20 A	SPARE	--	16
17	--	SPACE	--	1			--	1	--	SPACE	--	18
19	--	SPACE	--	1	--			1	--	SPACE	--	20
21	--	SPACE	--	1		--	--	1	--	SPACE	--	22
23	--	SPACE	--	1			--	1	--	SPACE	--	24
25	--	SPACE	--	1	--	--		1	--	SPACE	--	26
27	--	SPACE	--	1		--	--	1	--	SPACE	--	28
29	--	SPACE	--	1				1	--	SPACE	--	30
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

ANTHONY DONADIO	AR0013456
STEVEN G. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 4

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.11

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Autodesk Docs://26K014 - St Lucie PS - Green Zone K-8/26K014 - St Lucie Green Zone_Ev26.rvt

DRAWN BY:Author CHECKED BY:Checker

Switchboard: MDP5 — New

Location:
Supply From:
Mounting: FLOOR MOUNTED
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MAIN BREAKER
Mains Rating: 2000 A
MCB Rating: 2000 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	5MPA	3	800 A	800 A	0 kVA	
2	5MPB	3	800 A	800 A	0 kVA	
3	5HP	3	100 A	60 A	0 kVA	
4	T-5LP1	3	400 A	125 A	0 kVA	
5	T-5LP2	3	400 A	125 A	0 kVA	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18	SPD	3	60 A	60 A	0 kVA	
				Total Conn. Load:	0 kVA	
				Total Amps:	0 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: 5MPB — New

Location:
Supply From: MDP5
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 800 A
MCB Rating: 400 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19					--			1	--	SPACE		20
21						--		1	--	SPACE		22
23							--	1	--	SPACE		24
25					--			1	--	SPACE		26
27						--		1	--	SPACE		28
29							--	1	--	SPACE		30
31					--			1	--	SPACE		32
33						--		1	--	SPACE		34
35							--	1	--	SPACE		36
37	--	SPACE	--	1	--	0						38
39	--	SPACE	--	1		--	0	3	30 A	SPD	--	40
41	--	SPACE	--	1			--					42
43												44
45												46
47												48
49												50
51												52
53												54
55												56
57												58
59												60
61												62
63												64
65												66
67												68
69												70
71												72
73												74
75												76
77												78
79												80
81												82
83												84
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

Branch Panel: 5MPA — New

Location:
Supply From: MDP5
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 800 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
43					0							44
45						0		3	30 A	SPD	--	46
47							0					48
49												50
51												52
53												54
55												56
57												58
59												60
61												62
63												64
65												66
67												68
69												70
71												72
73												74
75												76
77												78
79												80
81												82
83												84
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: 5HP — New

Location:
Supply From: MDP5
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 125 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27						--		1	--	SPACE	--	28
29							--	1	--	SPACE	--	30
31					--			1	--	SPACE	--	32
33						--		1	--	SPACE	--	34
35	--	SPACE	--	1			--	1	--	SPACE	--	36
37					--			1	--	SPACE	--	38
39						--		1	--	SPACE	--	40
41	--	SPACE	--	1			--	1	--	SPACE	--	42
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

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STEVEN D. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 5

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.12

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Branch Panel: 5LP1 — New

Location:
Supply From: T-5LP1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23							0	1	20 A	SPARE	--	24
25					0			1	20 A	SPARE	--	26
27						0		1	20 A	SPARE	--	28
29							0	1	20 A	SPARE	--	30
31					0			1	20 A	SPARE	--	32
33						0		1	20 A	SPARE	--	34
35							0	1	20 A	SPARE	--	36
37					0			1	20 A	SPARE	--	38
39						0		1	20 A	SPARE	--	40
41							0	1	20 A	SPARE	--	42
43												44
45												46
47												48
49												50
51												52
53												54
55												56
57												58
59												60
61					0			1	20 A	SPARE	--	62
63						0		1	20 A	SPARE	--	64
65							0	1	20 A	SPARE	--	66
67					0			1	20 A	SPARE	--	68
69						0		1	20 A	SPARE	--	70
71							0	1	20 A	SPARE	--	72
73					0			1	20 A	SPARE	--	74
75						0		1	20 A	SPARE	--	76
77							0	1	20 A	SPARE	--	78
79					0			1	20 A	SPARE	--	80
81						0		1	20 A	SPARE	--	82
83							0	1	20 A	SPARE	--	84
85					--			1	--	SPACE	--	86
87						--		1	--	SPACE	--	88
89							--	1	--	SPACE	--	90
91					--			1	--	SPACE	--	92
93						--		1	--	SPACE	--	94
95							--	1	--	SPACE	--	96
97	--	SPACE	--	1	--	--		1	--	SPACE	--	98
99	--	SPACE	--	1		--	--	1	--	SPACE	--	100
101	--	SPACE	--	1			--	1	--	SPACE	--	102
103	--	SPACE	--	1	--	--		1	--	SPACE	--	104
105	--	SPACE	--	1		--	--	1	--	SPACE	--	106
107	--	SPACE	--	1			--	1	--	SPACE	--	108
109	--	SPACE	--	1	--	--		1	--	SPACE	--	110
111	--	SPACE	--	1		--	--	1	--	SPACE	--	112
113	--	SPACE	--	1			--	1	--	SPACE	--	114
115	--	SPACE	--	1	--	--		1	--	SPACE	--	116
117	--	SPACE	--	1		--	--	1	--	SPACE	--	118
119	--	SPACE	--	1			--	1	--	SPACE	--	120
121	--	SPACE	--	1	--	0		3	30 A	SPD	--	122
123	--	SPACE	--	1		--	0					124
125	--	SPACE	--	1			--	0				126
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

Branch Panel: 5LP2 — New

Location:
Supply From: T-5LP2
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23								0	1	20 A	SPARE	--	24
25					0			1	20 A	SPARE	--	26
27						0		1	20 A	SPARE	--	28
29							0	1	20 A	SPARE	--	30
31					0			1	20 A	SPARE	--	32
33						0		1	20 A	SPARE	--	34
35							0	1	20 A	SPARE	--	36
37					0			1	20 A	SPARE	--	38
39						0		1	20 A	SPARE	--	40
41							0	1	20 A	SPARE	--	42
43												44
45												46
47												48
49												50
51												52
53												54
55												56
57												58
59												60
61					0			1	20 A	SPARE	--	62
63						0		1	20 A	SPARE	--	64
65							0	1	20 A	SPARE	--	66
67					0			1	20 A	SPARE	--	68
69						0		1	20 A	SPARE	--	70
71							0	1	20 A	SPARE	--	72
73					0			1	20 A	SPARE	--	74
75						0		1	20 A	SPARE	--	76
77							0	1	20 A	SPARE	--	78
79					0			1	20 A	SPARE	--	80
81						0		1	20 A	SPARE	--	82
83							0	1	20 A	SPARE	--	84
85					--			1	--	SPACE	--	86
87						--		1	--	SPACE	--	88
89							--	1	--	SPACE	--	90
91					--			1	--	SPACE	--	92
93	--	SPACE	--	1		--	--	1	--	SPACE	--	94
95	--	SPACE	--	1			--	1	--	SPACE	--	96
97	--	SPACE	--	1	--	--		1	--	SPACE	--	98
99	--	SPACE	--	1		--	--	1	--	SPACE	--	100
101	--	SPACE	--	1			--	1	--	SPACE	--	102
103	--	SPACE	--	1	--	--		1	--	SPACE	--	104
105	--	SPACE	--	1		--	--	1	--	SPACE	--	106
107	--	SPACE	--	1			--	1	--	SPACE	--	108
109	--	SPACE	--	1	--	--		1	--	SPACE	--	110
111	--	SPACE	--	1		--	--	1	--	SPACE	--	112
113	--	SPACE	--	1			--	1	--	SPACE	--	114
115	--	SPACE	--	1	--	--		1	--	SPACE	--	116
117	--	SPACE	--	1		--	--	1	--	SPACE	--	118
119	--	SPACE	--	1			--	1	--	SPACE	--	120
121	--	SPACE	--	1	--	0		3	30 A	SPD	--	122
123	--	SPACE	--	1		--	0					124
125	--	SPACE	--	1			--	0				126
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

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STEVEN D. SIEGEL AR99546
JOHN F. WRIGHT AR101341
STEVE LEONE AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 5

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.13

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

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Autodesk Docs://26K014 - St Lucie PS - Green Zone K-8/26K014 - St Lucie Green Zone_Ev26.rvt

DRAWN BY:Author CHECKED BY:Checker

Branch Panel: LS5HP — New

Location:
Supply From: LS-HDP
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 125 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1					0							2
3						0		3	30 A	SPD	--	4
5							0					6
7					--			1	--	SPACE	--	8
9						--		1	--	SPACE	--	10
11	--	SPACE	--	1			--	1	--	SPACE	--	12
13	--	SPACE	--	1	--			1	--	SPACE	--	14
15	--	SPACE	--	1		--		1	--	SPACE	--	16
17	--	SPACE	--	1			--	1	--	SPACE	--	18
19	--	SPACE	--	1	--			1	--	SPACE	--	20
21	--	SPACE	--	1		--		1	--	SPACE	--	22
23	--	SPACE	--	1			--	1	--	SPACE	--	24
25	--	SPACE	--	1	--			1	--	SPACE	--	26
27	--	SPACE	--	1		--		1	--	SPACE	--	28
29	--	SPACE	--	1			--	1	--	SPACE	--	30
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:

Branch Panel: SB5LP — New

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 400 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	Load Type	CKT
1												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Keyed Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
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PHONE: 866.974.7666

SIGNATURE:

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STEVEN G. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 5

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.14

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

3"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

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Switchboard: MSB6

New

Location:
Supply From:
Mounting:
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MAIN BREAKER
Mains Rating: 2500 A
MCB Rating: 2500 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

Total Conn. Load: 0 kVA
Total Amps: 0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 kVA
				Total Est. Demand: 0 kVA
				Total Conn. Current: 0 A
				Total Est. Demand Current: 0 A

Notes:

Branch Panel: 6MP

New

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 600 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1															2
3															4
5															6
7															8
9															10
11															12
13															14
15															16
17															18
19															20
21															22
23															24
25															26
27															28
29															30
31															32
33															34
35															36
37															38
39															40
41															42

Total Load: 0 VA | 0 VA | 0 VA
Total Amps: 0 A | 0 A | 0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 kVA
				Total Est. Demand: 0 kVA
				Total Conn. Current: 0 A
				Total Est. Demand Current: 0 A

Notes:

Branch Panel: SB-HDP

New

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 800 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1															2
3															4
5															6
7															8
9															10
11															12
13															14
15															16
17															18
19															20
21															22
23															24
25															26
27															28
29															30
31															32
33															34
35															36
37															38
39															40
41															42

Total Load: 0 VA | 0 VA | 0 VA
Total Amps: 0 A | 0 A | 0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 kVA
				Total Est. Demand: 0 kVA
				Total Conn. Current: 0 A
				Total Est. Demand Current: 0 A

Notes:

Branch Panel: SB6LP

New

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

General Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1															2
3															4
5															6
7															8
9								0			1	20 A	SPARE	--	10
11										0	1	20 A	SPARE	--	12
13						0					1	20 A	SPARE	--	14
15								0			1	20 A	SPARE	--	16
17										0	1	20 A	SPARE	--	18
19	--	SPARE	20 A	1	0	0					1	20 A	SPARE	--	20
21	--	SPARE	20 A	1			0	0			1	20 A	SPARE	--	22
23	--	SPARE	20 A	1					0	0	1	20 A	SPARE	--	24
25	--	SPARE	20 A	1	0	--					1	--	SPACE	--	26
27	--	SPARE	20 A	1			0	--			1	--	SPACE	--	28
29	--	SPARE	20 A	1					0	--	1	--	SPACE	--	30
31	--	SPACE	--	1	--	--					1	--	SPACE	--	32
33	--	SPACE	--	1			--	--			1	--	SPACE	--	34
35	--	SPACE	--	1					--	--	1	--	SPACE	--	36
37	--	SPACE	--	1	--	0					3	30 A	SPD	--	38
39	--	SPACE	--	1			--	0							40
41	--	SPACE	--	1					--	0					42

Total Load: 0 VA | 0 VA | 0 VA
Total Amps: 0 A | 0 A | 0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 kVA
				Total Est. Demand: 0 kVA
				Total Conn. Current: 0 A
				Total Est. Demand Current: 0 A

Keyed Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
SUITE 404
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PHONE: 866.974.7666

SIGNATURE:

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JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 6

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.15

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Autodesk Docs://26K014 - St Lucie PS - Green Zone K-8/26K014 - St Lucie Green Zone_Ev26.rvt

DRAWN BY:Author CHECKED BY:Checker

Branch Panel: LS-HDP — New

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 250 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1					0										2
3	SP	LS5HP	60 A	3			0								4
5									0						6
7					0										8
9	SP	LS4HP	60 A	3			0	0			1	20 A	SPARE	--	10
11									0	0	1	20 A	SPARE	--	12
13					0	0					1	20 A	SPARE	--	14
15	SP	LS3HP	60 A	3			0	0			1	20 A	SPARE	--	16
17									0	0	1	20 A	SPARE	--	18
19					0	0					1	20 A	SPARE	--	20
21	SP	LS2HP	60 A	3			0	--			1	--	SPACE	--	22
23									0	--	1	--	SPACE	--	24
25					0	--					1	--	SPACE	--	26
27	SP	LS1HP	60 A	3			0	--			1	--	SPACE	--	28
29									0	--	1	--	SPACE	--	30
31	--	SPACE	--	1	--	--					1	--	SPACE	--	32
33	--	SPACE	--	1			--	--			1	--	SPACE	--	34
35	--	SPACE	--	1					--	--	1	--	SPACE	--	36
37	--	SPACE	--	1	--	0									38
39	--	SPACE	--	1			--	0			3	30 A	SPD	--	40
41	--	SPACE	--	1					--	0					42
				Total Load:	0 VA		0 VA		0 VA						
				Total Amps:	0 A		0 A		0 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 kVA
				Total Est. Demand: 0 kVA
				Total Conn. Current: 0 A
				Total Est. Demand Current: 0 A

Notes:

Branch Panel: EMDP — New

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 800 A

Notes:

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1															2
3															4
5															6
7															8
9															10
11															12
13															14
15															16
17															18
19															20
21															22
23															24
25															26
27															28
29															30
31															32
33															34
35															36
37															38
39															40
41															42
				Total Load:	0 VA		0 VA		0 VA						
				Total Amps:	0 A		0 A		0 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 kVA
				Total Est. Demand: 0 kVA
				Total Conn. Current: 0 A
				Total Est. Demand Current: 0 A

Notes:

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
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JOHN F. WRIGHT AR101341
STEVE LEONE AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

PANELBOARD SCHEDULES - BUILDING 6

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

E8.16

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

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GENERAL NOTES - FIRE ALARM

A. PROVIDE ALL REQUIRED AND NECESSARY PANELS, BOARDS, APPLIANCES, WIRING, POWER SUPPLIES, PROGRAMMING, TELEPHONE CONNECTIONS, RACEWAY SYSTEMS, BACKBOXES, SUPPORT HARDWARE, INTERFACE WITH EQUIPMENT OF OTHER DIVISIONS AND THIS DIVISION, GROUNDING, INSTALLATION, DC SOURCE (BATTERY) BACKUP, COMMISSIONING, TESTING, SUBMITTALS, ETC., FOR A COMPLETE OPERATING SYSTEM IN COMPLIANCE WITH NFPA 101, 70, 72 AND OTHER RELATED CODES.

B. A CERTIFIED FIRE ALARM SYSTEM REPRESENTATIVE SHALL FURNISH AND INSTALL CABLES, CONTROL MODULES, CONTROLRELAY MODULES, MONITOR MODULES, SIGNALING LINE CIRCUIT MODULES, SYNCHRONIZATION MODULES, AND ALL RELATED AND NECESSARY RE-PROGRAMMING, FUNCTIONAL TESTING, ETC. AS REQUIRED TO ACCOMMODATE THE NEW NOTIFICATION APPLIANCES, INITIATION DEVICES, ETC. FOR A COMPLETE WORKING FIRE ALARM SYSTEM. **FIRE ALARM CONTRACTOR SHALL SPECIALIZE IN FIRE ALARM SYSTEM INSTALLATION, BE FACTORY TRAINED AND CERTIFIED, AND A MINIMUM OF FIVE YEARS DOCUMENTED EXPERIENCE INSTALLING AND MAINTAINING FIRE ALARM SYSTEM FOR SIMILAR INSTALLATIONS.**

C. REFER TO PLANS AND DETAILS FOR QUANTITIES AND LOCATIONS OF DEVICES AND EQUIPMENT. EXACT LOCATIONS AND QUANTITIES OF APPLIANCES, PANELS, ETC. TO BE COORDINATED WITH AE TEAM PRIOR TO ROUGH-IN AND LAYOUT. DO NOT LOCATE DEVICES WHERE FINISHED MILLWORK, TACKBOARDS, MARKERBOARDS, GRAPHIC WALLS, ETC ARE LOCATED.

D. PROVIDE DETAILED SHOP DRAWING SUBMITTAL, INCLUDING BUT NOT LIMITED TO, A LAYOUT PLAN OF ALL APPLIANCES, CABLING, AND EQUIPMENT, INCLUDING POINT TO POINT WIRING DIAGRAM FOR SUBMITTAL TO AND REVIEW AND APPROVAL BY AE TEAM AND OSFM PRIOR TO COMMENCING WORK OR ORDERING MATERIAL.

E. PROVIDE A RECORD DOCUMENTS CABINET WITH BOTH A HARD COPY AND A DIGITAL COPY OF APPROVED DRAWINGS PER NFPA 72.

F. ALL EQUIPMENT, ETC INSTALLED IN OR OPEN TO THE CEILING CAVITY ENVIRONMENTAL AIR PLENUM SHALL BE RATED AND U.L. LISTED FOR SUCH INSTALLATIONS.

G. FIRE ALARM SYSTEM CABLING TYPE, RATING, SIZE AND QUANTITIES, TO BE AS DICTATED BY FIRE ALARM AND FIRE SUPPRESSION SYSTEM'S MANUFACTURERS.

H. QUANTITIES OF NOTIFICATION APPLIANCES, INITIATING DEVICES, ETC., SHALL BE AS DELINEATED ON THE PLANS AND AS REQUIRED BY THE OFFICE OF THE STATE FIRE MARSHAL.

I. QUANTITIES OF POWER SUPPLY UNITS, MODULES, CONTROLLERS, CARDS, RELAYS, ETC., SHALL BE PROVIDED AS DICTATED BY APPLIANCE LOADS.

J. CEILING MOUNTED SMOKE/HEAT DETECTORS SHALL BE A MINIMUM OF 2' AWAY FROM LIGHT FIXTURES AND A MINIMUM OF 3' AWAY FROM AIR DISTRIBUTION DEVICES.

K. CANDELA RATINGS INDICATED ON DRAWINGS ARE THE REQUIRED MINIMUM CANDELA. ALL 15 CANDELA FIRE ALARM STROBES SHALL BE RATED FOR 15/75 CANDELAS.

L. WHERE NEW AND EXISTING VISUAL NOTIFICATION APPLIANCES ARE WITHIN THE SAME FIELD OF VIEW, PROVIDE FLASH SYNCHRONIZATION OF ALL APPLIANCES.

M. AUDIBLE SIGNAL SOUND LEVEL SHALL BE AT LEAST 15dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS MINIMUM, WHICHEVER IS LOUDER, MEASURED FIVE FEET ABOVE THE FLOOR IN THE OCCUPIABLE AREA. AMBIENT SOUND LEVEL IS CONSIDERED AT 60dBA. REQUIREMENT SHALL BE MET WHILE DOOR IS CLOSED. **[CONTRACTOR SHALL PROVIDE, INSTALL, AND INCLUDE IN THEIR PRICE FOR AN ADDITIONAL TEN (10) AUDIBLE NOTIFICATION DEVICES. FIRE ALARM INSTALLER SHALL TEST SOUND LEVELS PRIOR TO FINAL INSPECTION AND INSTALL ADDITIONAL DEVICES AS REQUIRED TO MEET THIS REQUIREMENT.]**

N. ALL WIRING SHALL BE IN 1/2" CONDUIT. **OR FREE AIR CABLE AS ALLOWED BY LOCAL AHJ AND LANDLORD/OWNER. PROVIDE PLENUM RATED CABLE FOR ALL PLENUM RATED SPACES.**

O. ALL FIRE ALARM SYSTEM WORK SHALL BE APPROVED BY LOCAL AHJ PRIOR TO COMMENCING ANY FIRE ALARM WORK.

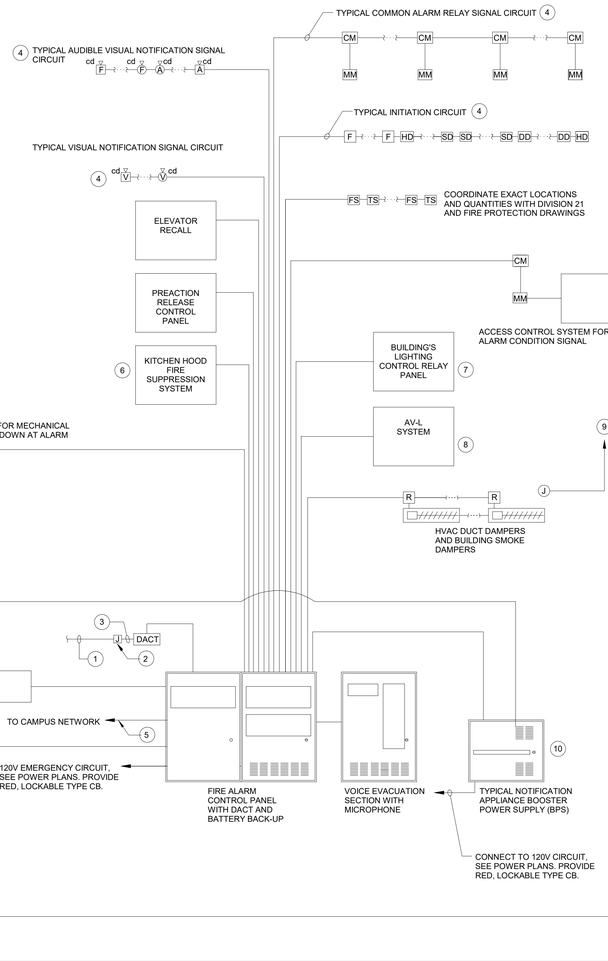
P. ALL FIRE ALARM APPLIANCES SHALL BE **WHITE** FINISH.

SYMBOLS - FIRE ALARM NOTE: ALL MAY NOT BE USED.

F	FIRE ALARM PULL STATION
F cd	COMBINATION AUDIBLE/VISUAL FIRE ALARM NOTIFICATION APPLIANCE (15 CANDELAS UON), WALL MOUNTED DEVICE
F cd	COMBINATION AUDIBLE/VISUAL FIRE ALARM NOTIFICATION APPLIANCE (15 CANDELAS UON), CEILING MOUNTED DEVICE
A	AUDIBLE ONLY NOTIFICATION APPLIANCE, WALL MOUNTED DEVICE
A	AUDIBLE ONLY NOTIFICATION APPLIANCE, CEILING MOUNTED DEVICE
V cd	VISUAL ONLY FIRE ALARM NOTIFICATION APPLIANCE (15 CANDELAS UON), WALL MOUNTED DEVICE
V cd	VISUAL ONLY FIRE ALARM NOTIFICATION APPLIANCE (15 CANDELAS UON), CEILING MOUNTED DEVICE
SD	SMOKE DETECTOR, WALL MOUNTED
SD	SMOKE DETECTOR, CEILING MOUNTED
	EV = ELEVATOR RECALL SMOKE DETECTOR, CEILING MOUNTED DO = DOOR HOLDER FUNCTION TP = TAMPERPROOF, IONIZATION TYPE
DD	DUCT MOUNTED SMOKE DETECTOR WITH REMOTE LED INDICATOR; DUCT DETECTOR FURNISHED & WIRED BY F.A. CONTRACTOR. INSTALLED BY MECHANICAL CONTRACTOR VERIFY QUANTITIES AND LOCATIONS WITH MECHANICAL DRAWINGS
S/CO	COMBINATION TYPE SMOKE/CARBON MONOXIDE ALARM, CEILING MOUNTED
TS	TAMPER SWITCH - FIRE ALARM CONNECTION
FS	FLOW SWITCH - FIRE ALARM CONNECTION
HD	HEAT DETECTOR
CM	CONTROL MODULE
MM	MONITOR MODULE
LI	REMOTE ALARM INDICATOR LIGHT WITH TEST SWITCH FOR DUCT DETECTOR, LOCATE IN NEAREST CORRIDOR OR PUBLIC AREA
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR PANEL
FABP	FIRE ALARM NOTIFICATION APPLIANCE BOOSTER PANEL
R	FIRE ALARM ADDRESSABLE RELAY. COORDINATE CONNECTIONS TO MECHANICAL EQUIPMENT WITH DIVISION 23 CONTRACTOR TO ENSURE PROPER OPERATION OF MECHANICAL EQUIPMENT
DMP	FIRE/SMOKE DAMPER - FIRE ALARM CONNECTION
	DOOR HOLD OPEN DEVICE PROVIDED UNDER GENERAL CONTRACT, PROVIDE 120V AC CONNECTION TO FURNISHED POWER SUPPLY ABOVE ACCESSIBLE CEILING. PROVIDE 3/4"C AND WIRING PER MANUFACTURER REQUIREMENTS BETWEEN POWER SUPPLY AND HOLD OPEN DEVICE(S) AT DOOR
PIV	POST INDICATOR VALVE - FIRE ALARM CONNECTION
	BEAM DETECTOR

ABBREVIATIONS NOTE: ALL MAY NOT BE USED.

A	AMPERES	JB	JUNCTION BOX
A/E	ARCHITECT/ENGINEER	KCMIL	THOUSAND CIRCULAR MILS
AFF	ABOVE FINISHED FLOOR	KW	KILOWATT
AFG	ABOVE FINISHED GRADE	KV	KILO VOLT
AHJ	AUTHORITY HAVING JURISDICTION	KVA	KILO VOLT-AMPERE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTES, INC.	LV	LOW VOLTAGE
		MC	MECHANICAL CONTRACTOR
AWG	AMERICAN WIRE GAUGE	MT	MOUNT
BAS	BUILDING AUTOMATION SYSTEM	MHT	MOUNTING HEIGHT
C	CONDUIT	N	NEUTRAL
CB	CIRCUIT BREAKER	NC	NORMALLY CLOSED
cd	CANDELA RATING	NEC	NATIONAL ELECTRICAL CODE
CKT	CIRCUIT	NIC	NOT IN CONTRACT
CLG	CEILING	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CU	COPPER	NO	NORMALLY OPEN
dBA	DECIBEL LEVEL	NTS	NOT TO SCALE
DC	DIRECT CURRENT	PB	PULLBOX
DWG	DRAWING	PH	PHASE
EC	ELECTRICAL CONTRACTOR	P	POLE
EC	EMPTY CONDUIT	PNL	PANELBOARD
EMT	ELECTRIC METALLIC TUBING	PT	POTENTIAL TRANSFORMER
ETR	EXISTING TO REMAIN	PWR	POWER
EX	EXISTING	R	RACEWAY
F	FUSE	REC	RECEPTACLE
FA	FIRE ALARM	RECEPT	
FAA	FIRE ALARM ANNUNCIATOR PANEL	RL	RELOCATE EXISTING
FAAP	FIRE ALARM ANNUNCIATOR PANEL	RM	ROOM
FABP	FIRE ALARM BOOSTER PANEL	RMC	RIGID METAL CONDUIT
FACP	FIRE ALARM CONTROL PANEL	RV	REMOVE EXISTING
FDAS	FIRE DETECTION ALARM SYSTEM	SA	SURGE ARRESTOR
GC	GENERAL CONTRACTOR	SPD	SURGE PROTECTION DEVICE
GF,GFI	GROUND FAULT CIRCUIT INTERRUPTER	TYP	TYPICAL
GFR	GROUND FAULT RELAY	UL	UNDERWRITERS' LABORATORIES, INC.
G, GND	GROUND	UON	UNLESS OTHERWISE NOTED
HH	HANDHOLE	V	VOLTS
HZ	HERTZ	W	WIRE, WATTS
IG	ISOLATED GROUND	WP	WEATHERPROOF
IMC	INTERMEDIATE METAL CONDUIT		



2 FA0.0 FIRE ALARM RISER DIAGRAM
NOT TO SCALE

FIRE ALARM RISER NOTES

A. THIS IS A GENERAL SERVICE SCHEMATIC WITH TYPICAL BOARD AND DEVICE WIRING RELATIONSHIPS OF A NEW FIRE ALARM AND DETECTION CONTROL SYSTEM TO SERVE THE FACILITY. DEVICES ARE NOT MEANT TO REPRESENT QUANTITIES REQUIRED FOR THE PROJECT.

B. PROVIDE A LISTED CELLULAR DIALER SYSTEM (WITH INTEGRAL 24 HOUR BATTERY BACKUP) THAT COMPLIES WITH 2013 NFPA 72, SECTION 26.6.3 AND PROVIDES FOR A SECOND METHOD OF COMMUNICATION WHERE REQUIRED BY THE AHJ. THE FIRE ALARM CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL NECESSARY COMMUNICATION EQUIPMENT AND PROVIDE 24 HOUR BATTERY BACKUP FOR ALL SUCH EQUIPMENT AS PART OF THE FIRE ALARM SCOPE.

KEYED NOTES

1. PROVIDE 1"C WITH (2) FOUR PAIRS TELEPHONE CABLES FROM JUNCTION BOX TO FIRST FLOOR TELECOM ROOM. PROVIDE 5' OF SLACK CABLE IN JUNCTION BOX.
2. JUNCTION BOX FOR FIRE ALARM CONTROL PANEL TELEPHONE DIALER CONNECTION.
3. CONTRACTOR SHALL PROVIDE 1"C WITH (2) FOUR PAIRS TELEPHONE CABLE FROM JUNCTION BOX TO THE TELEPHONE DIALER.
4. PROVIDE ISOLATION MODULE WHERE SLC CIRCUIT ENTERS AND RETURNS THROUGH THE CABINET. SEE SPECIFICATION SECTION 28 31 11 FOR ADDITIONAL REQUIREMENTS. INSTALL ISOLATION MODULES AFTER EACH 20 INTIATING DEVICES AND CONTROL POINTS ON THE ADDRESSABLE LOOP. FOR LOOPS WITH LESS THAN 20 DEVICES AND CONTROL POINTS, INSTALL AN ISOLATOR AT THE APPROXIMATE MIDDLE OF THE LOOP (IN ADDITION TO THOSE AT THE CABINET).
5. (2)2-1/2"C'S. PROVIDE 6-STRAND MULTI-MODE FIBER IN ONE OF THE CONDUITS FROM CAMPUS FIRE ALARM CONTROL PANEL LOCATED IN ADMIN BUILDING THEN BACK TO THE CARROLL BUILDING. PROVIDE ALL REQUIRED CONNECTIONS AND COMPONENTS TO MAINTAIN NETWORKED SYSTEM.
6. INSTALLATION SHALL COMPLY WITH THE CURRENT EDITION OF NFPA 72 STANDARD FOR THE TYPE OF SYSTEM INSTALLED. SYSTEM SHALL BE INTERCONNECTED WITH THE FIRE ALARM SYSTEM AS A SEPARATE SYSTEM ADDRESS. ALL SOURCES OF HEAT FOR APPLIANCES SERVED BY THE EXTINGUISHING SYSTEM (BOTH ELECTRIC AND/OR GAS) MUST BE TURNED OFF UPON ACTIVATION. SEE KITCHEN VENDOR'S DRAWINGS AND SHEET FA1.1.1 FOR ADDITIONAL REQUIREMENTS.
7. PROVIDE OVERRIDE CONNECTION TO LIGHTING RELAY CONTROL PANEL SO THAT WHEN FIRE ALARM SYSTEM IS IN OPERATION. ALL EMERGENCY ILGHTING IS ON AT 100%.
8. INSTALL PLENUM RATED 5-WIRE CABLE (2-PAIR & GROUND) FROM FIRE ALARM CONTROL PANEL (FACP) TO SPECIAL SYSTEMS' AUDIO-VISUAL-LIGHTING PANEL TO SHUT OFF THE SOUND SYSTEMS WHEN FIRE ALARM SYSTEM IS IN OPERATION. CONTRACTOR SHALL CONFIRM THAT ONE (1) N.O. & (1) N.C. DRY CONTACTS ARE AVAILABLE IN THE FACP FOR SOUND SYSTEMS CONTROL. CONTRACTOR SHALL COORDINATE THE REQUIREMENTS, INSTALLATION, AND CONNECTIONS WITH THE AV-L CONTRACTOR PRIOR TO BEGINNING WORK.
9. PROVIDE 120V POWER FOR OPERATION OF MOTORIZED DAMPERS WHERE AND AS REQUIRED. COORDINATE WITH MECHANICAL DISCIPLINE FOR ALL LOCATIONS, AND ADJUST WORK ACCORDINGLY. COORDINATE WORK WITH OTHER DISCIPLINES IN FIELD.
10. ADDITIONAL POWER SUPPLY UNIT CABINET(S) SHALL BE INSTALLED AS NEEDED. PROVIDE CIRCUITRY FROM NEAREST AVAILABLE 208/120V PANEL. SEE POWER PLANS.



1 FA0.0 FIRE ALARM MOUNTING DETAIL
NOT TO SCALE

CODE REVIEW:

CERTIFICATE:

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VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

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STEVEN G. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

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FIRE ALARM COVERSHEET

COMMISSION NUMBER:

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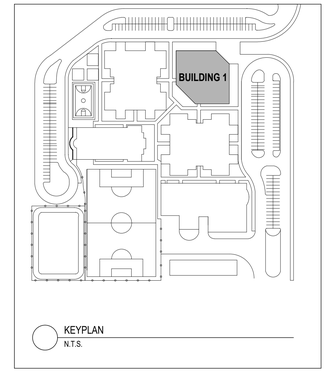
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1 FA1.1 FIRE ALARM - LEVEL 1 - BUILDING 1
1/8" = 1'-0"



KEYPLAN
N.T.S.

GENERAL NOTES

A. ALL NEW DEVICES SHALL BE SEMI-FLUSH MOUNTED WITH CONCEALED CONDUIT AND RACEWAYS WHEREVER POSSIBLE. WHERE INSTALLED ON EXISTING CMU OR ON INACCESSIBLE WALLS, SURFACE MOUNT DEVICE AND SERVE WITH LOW PROFILE RACEWAY TO MATCH SURFACE ATTACHED TO. COORDINATE LOCATIONS AND MOUNTING IN THE FIELD WITH ARCHITECT.

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C. ALL DEVICES MOUNTED IN OPEN CEILING SPACE SHALL BE MOUNTED TO A SHALLOW JUNCTION BOX SUPPORTED BY VERTICAL EMT CONDUIT. ENSURE ALL CONDUIT IS PARALLEL AND PERPINDICULAR TO BUILDING LINES. INSTALL IN NEAT AND WORKMANSHIP LIKE MANNER. MOUNT AT 10'-0" AFF OR OTHERWISE AS INDICATED ON DRAWINGS.

D. ALL CEILINGS ARE LESS THAN 10'-0" AFF, UNLESS NOTED OTHERWISE ON PLANS. CANDELA IS ADJUSTED FOR HIGHER CEILINGS AS REQUIRED.

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FIRE ALARM PLAN - LEVEL 1 - BUILDING 1

COMMISSION NUMBER:

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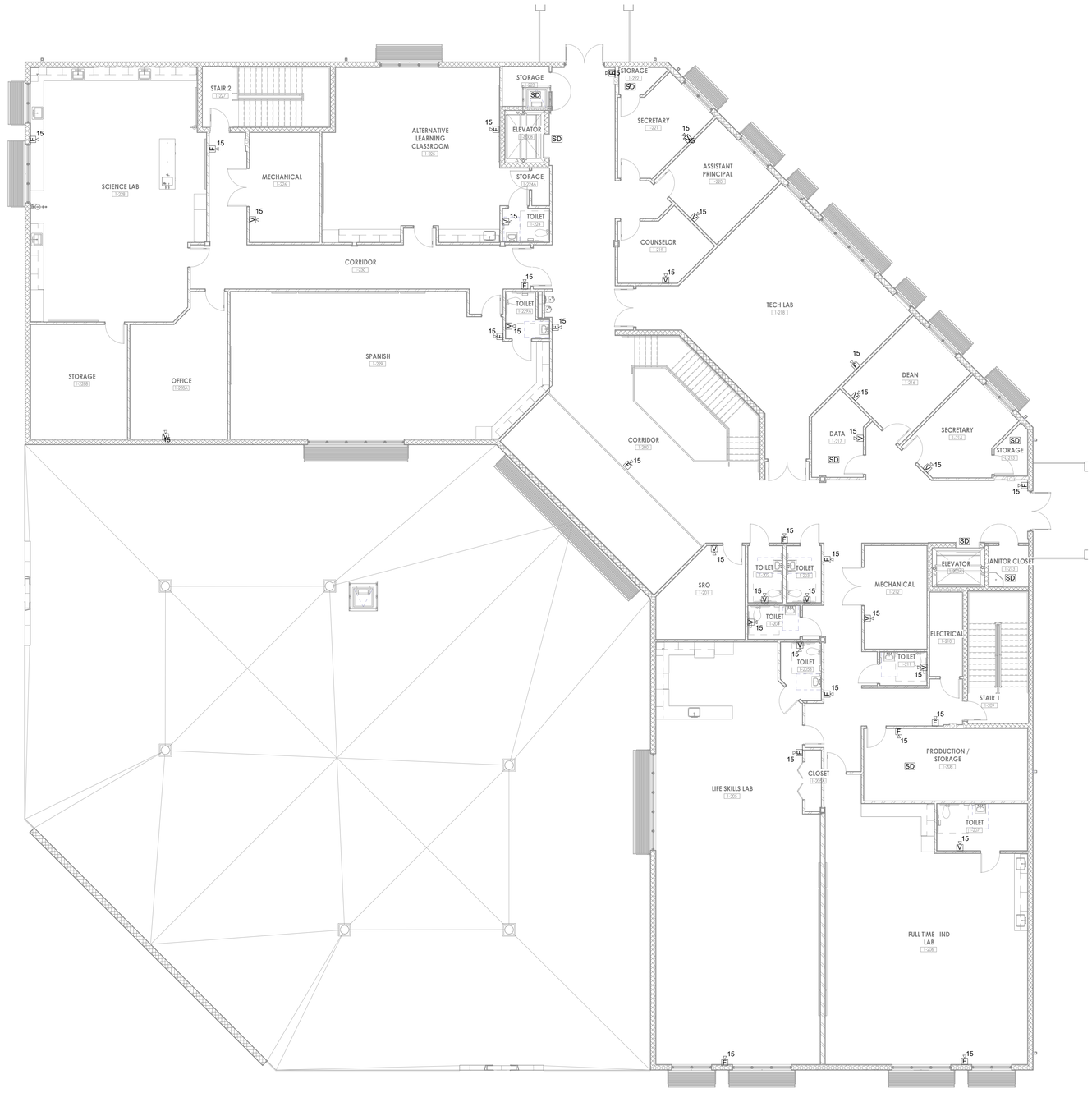
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1 FIRE ALARM - LEVEL 2 - BUILDING 1
FA1.2 1/8" = 1'-0"

GENERAL NOTES

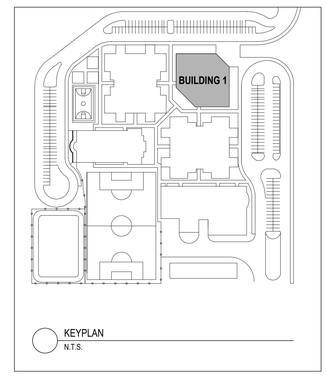
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D. ALL CEILINGS ARE LESS THAN 10'-0" AFF, UNLESS NOTED OTHERWISE ON PLANS. CANDELA IS ADJUSTED FOR HIGHER CEILINGS AS REQUIRED.

(##) KEYED NOTES



KEYPLAN
N.T.S.

N

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4/10/2026

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FIRE ALARM PLAN - LEVEL 2 - BUILDING 1

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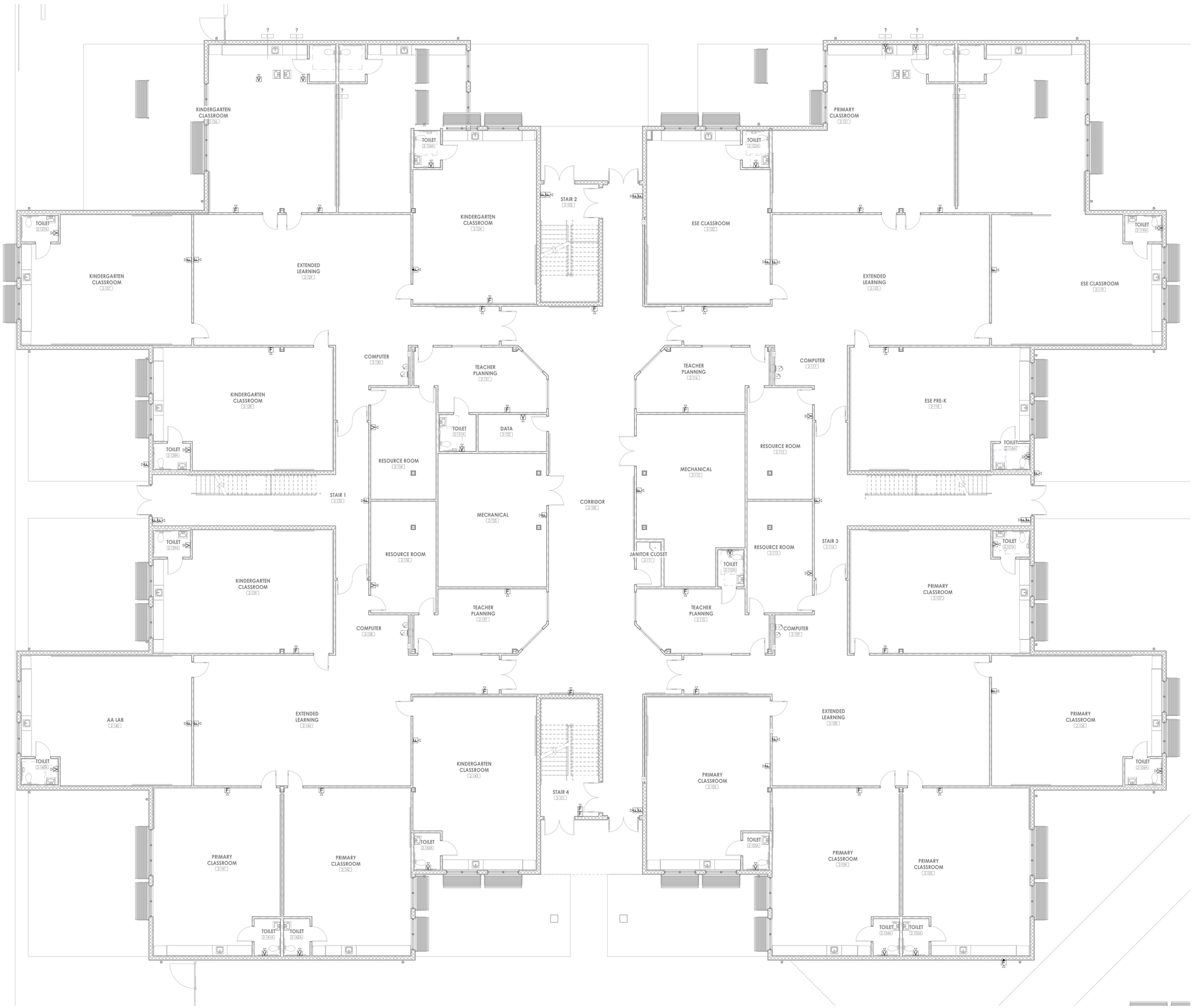
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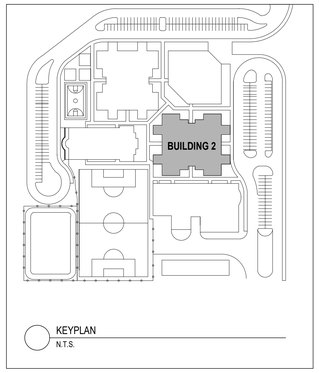
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1 FA1.3 FIRE ALARM - LEVEL 1 - BUILDING 2
1/8" = 1'-0"



KEYPLAN
N.T.S.

GENERAL NOTES

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STEVE LEONE	AR99370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

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FIRE ALARM PLAN - LEVEL 1 - BUILDING 2

COMMISSION NUMBER:

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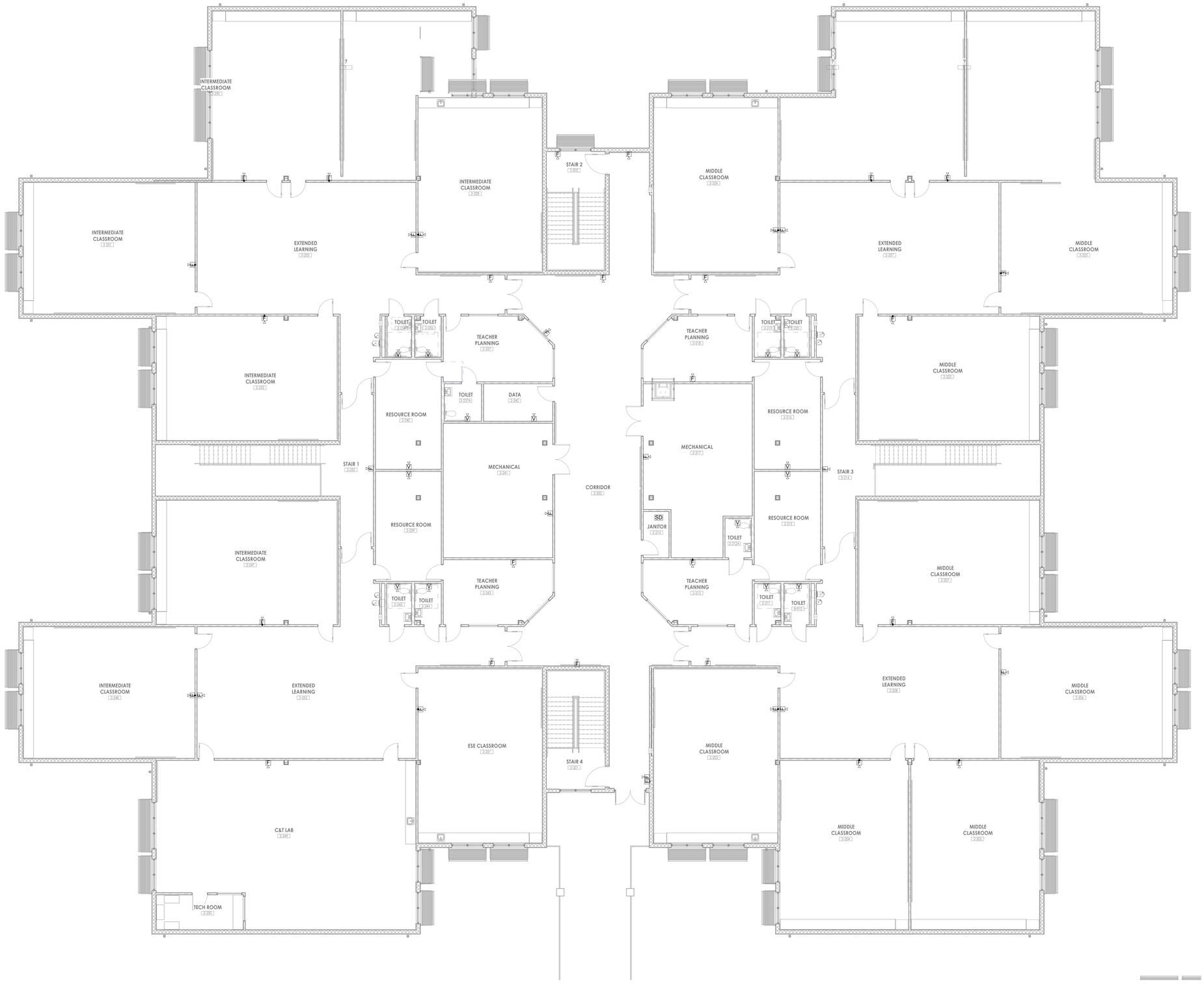
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FA1.3

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1 FIRE ALARM - LEVEL 2 - BUILDING 2
FA1.4 1/8" = 1'-0"



KEYPLAN
N.T.S.

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FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

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FIRE ALARM PLAN - LEVEL 2 - BUILDING 2

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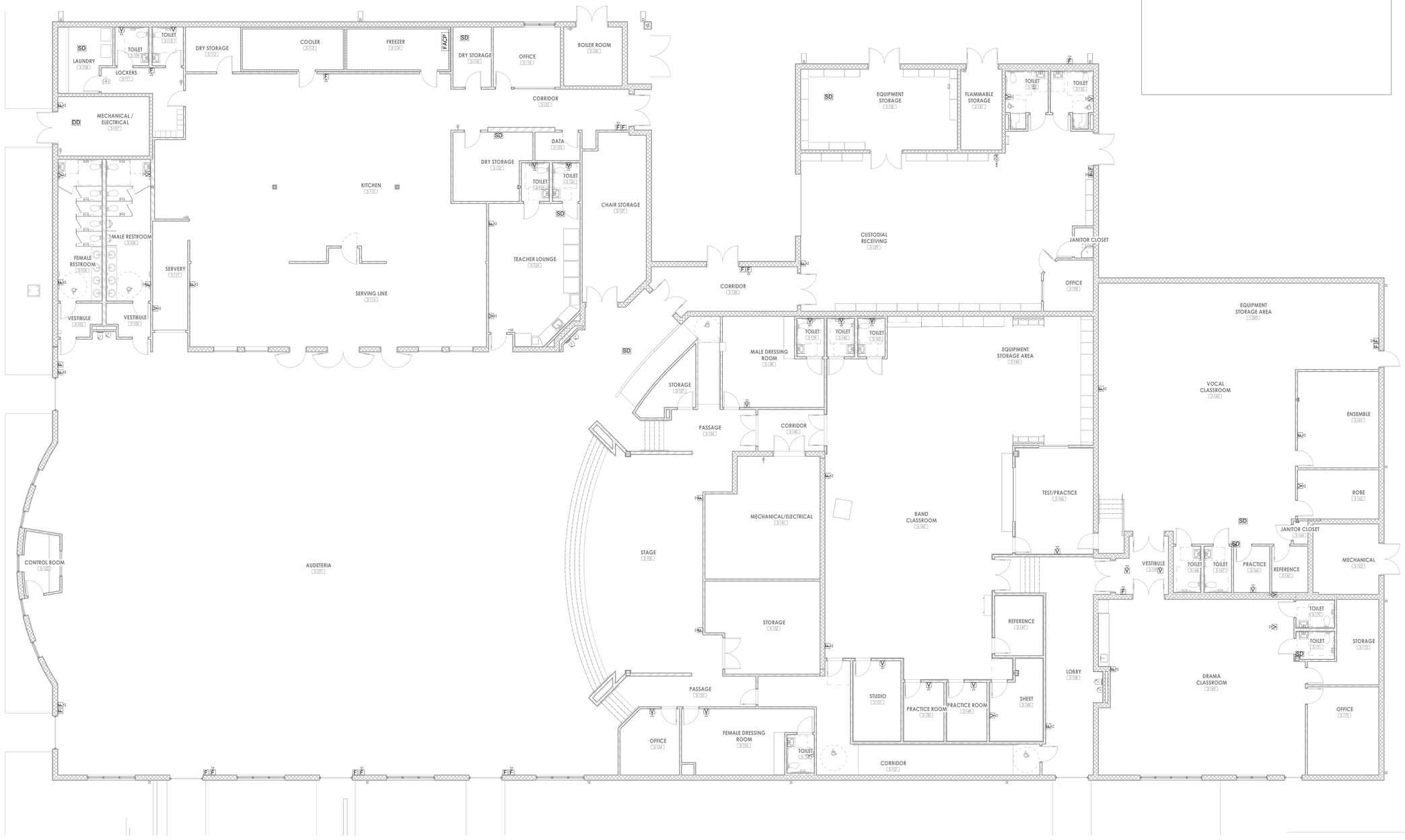
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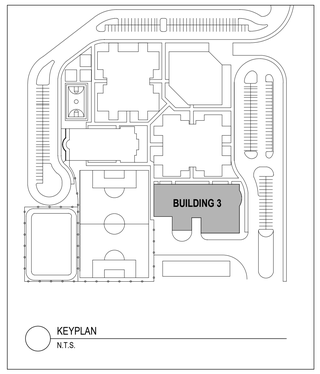
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1 FIRE ALARM - LEVEL 1 - BUILDING 3
FA1.5 1/8" = 1'-0"



KEYPLAN
N.T.S.

GENERAL NOTES

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SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

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ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

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FIRE ALARM PLAN - LEVEL 1 - BUILDING 3

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GENERAL NOTES

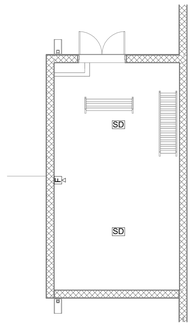
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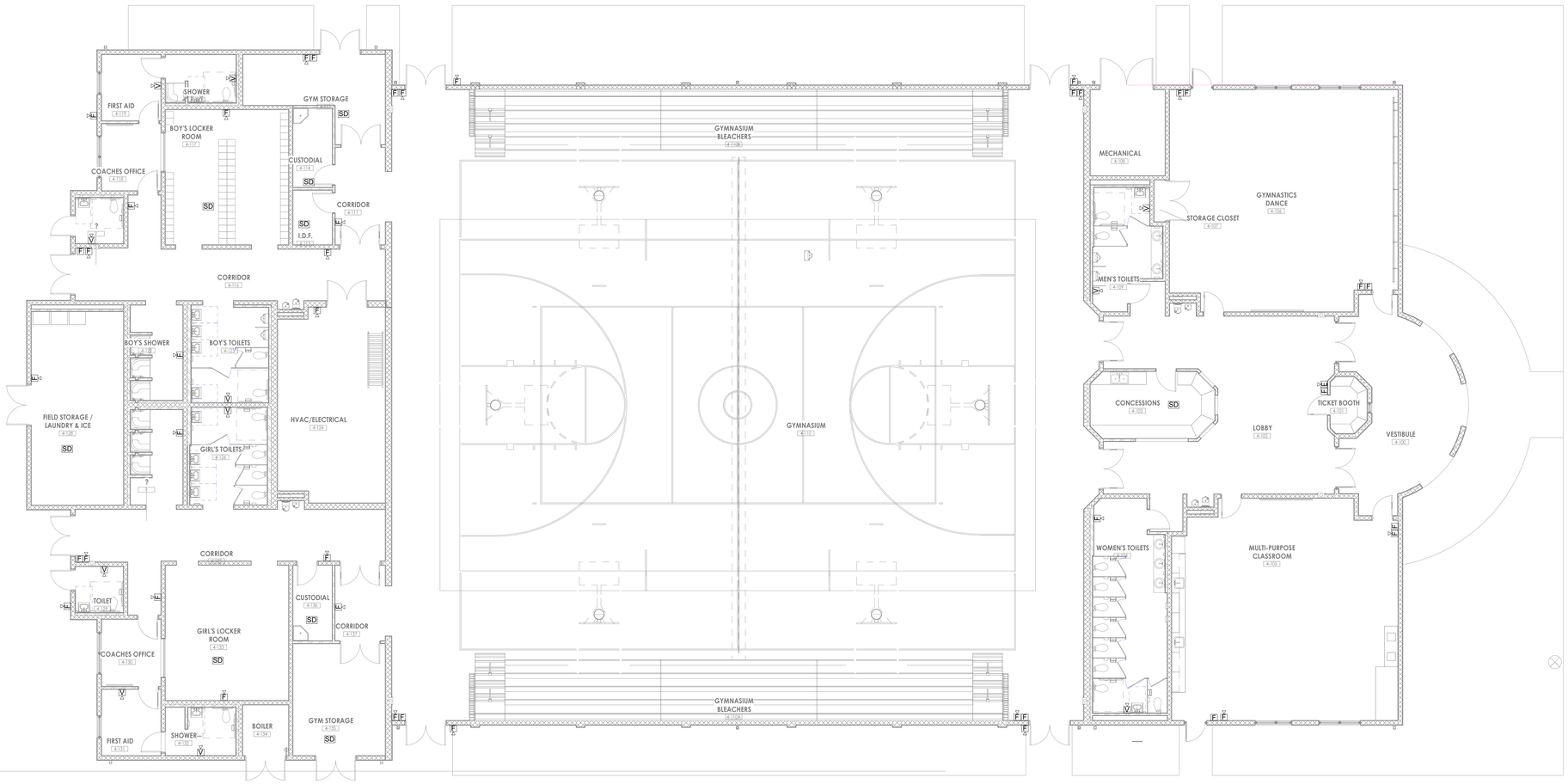
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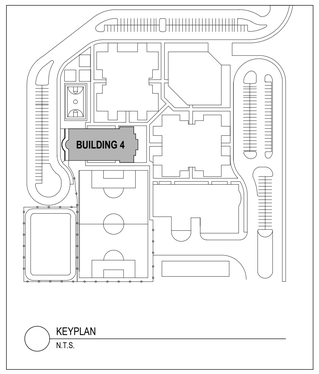
(##) KEYED NOTES



2 FA1.6 FIRE ALARM - LEVEL 2 - BUILDING 4
1/8" = 1'-0"



1 FA1.6 FIRE ALARM - LEVEL 1 - BUILDING 4
1/8" = 1'-0"



KEYPLAN
N.T.S.

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ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

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FIRE ALARM PLAN - LEVEL 1 - BUILDING 4

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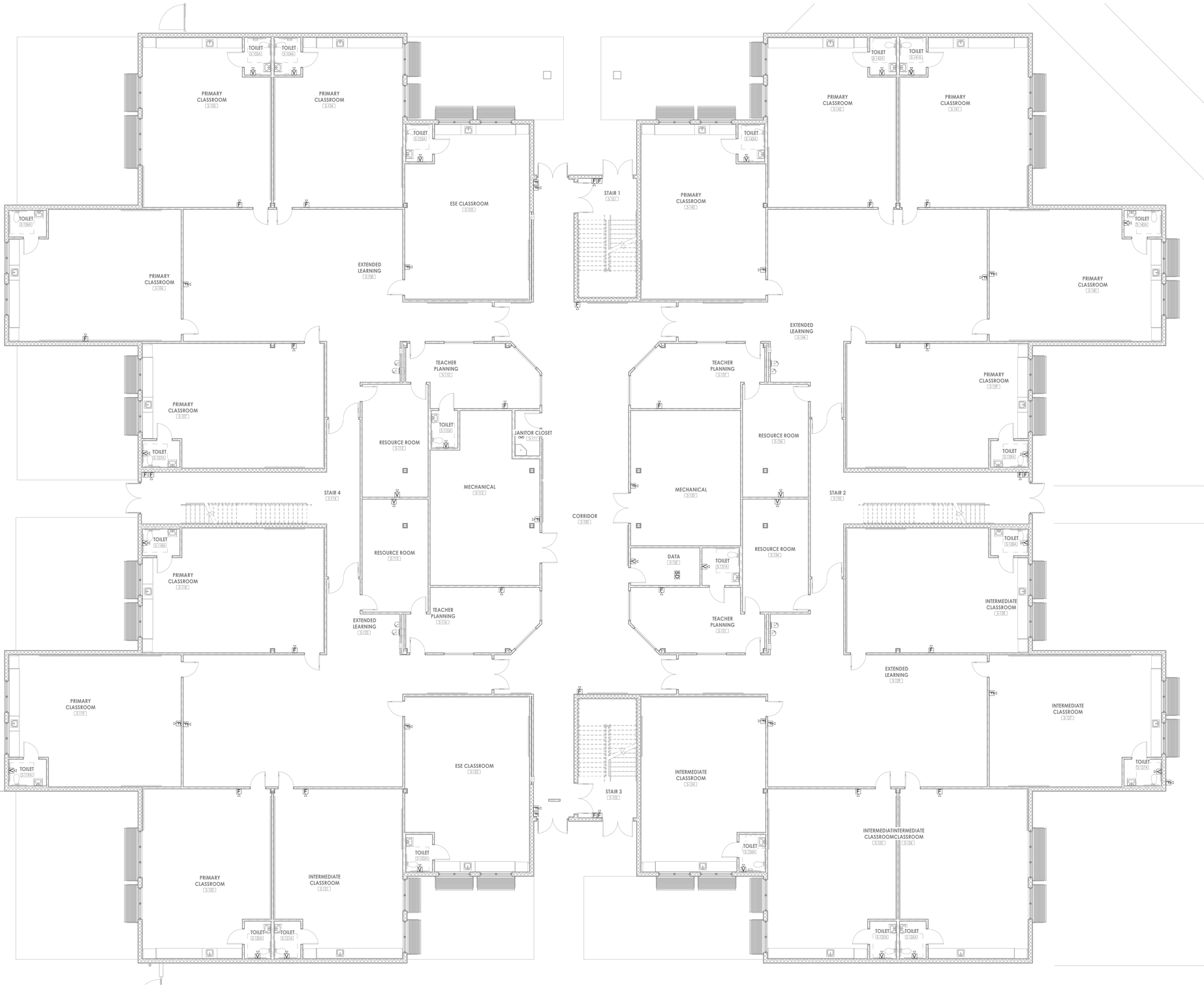
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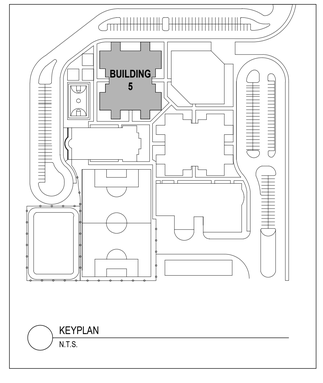
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D. ALL CEILINGS ARE LESS THAN 10'-0" AFF, UNLESS NOTED OTHERWISE ON PLANS. CANDELA IS ADJUSTED FOR HIGHER CEILINGS AS REQUIRED.

KEYED NOTES

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
80 ROYAL PALM POINT
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VERO BEACH, FL 32960
PHONE: 866.974.7666

SIGNATURE:

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STEVEN G. SIEGEL	AR99546
JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

FIRE ALARM PLAN - LEVEL 1 - BUILDING 5

COMMISSION NUMBER:

26K014

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

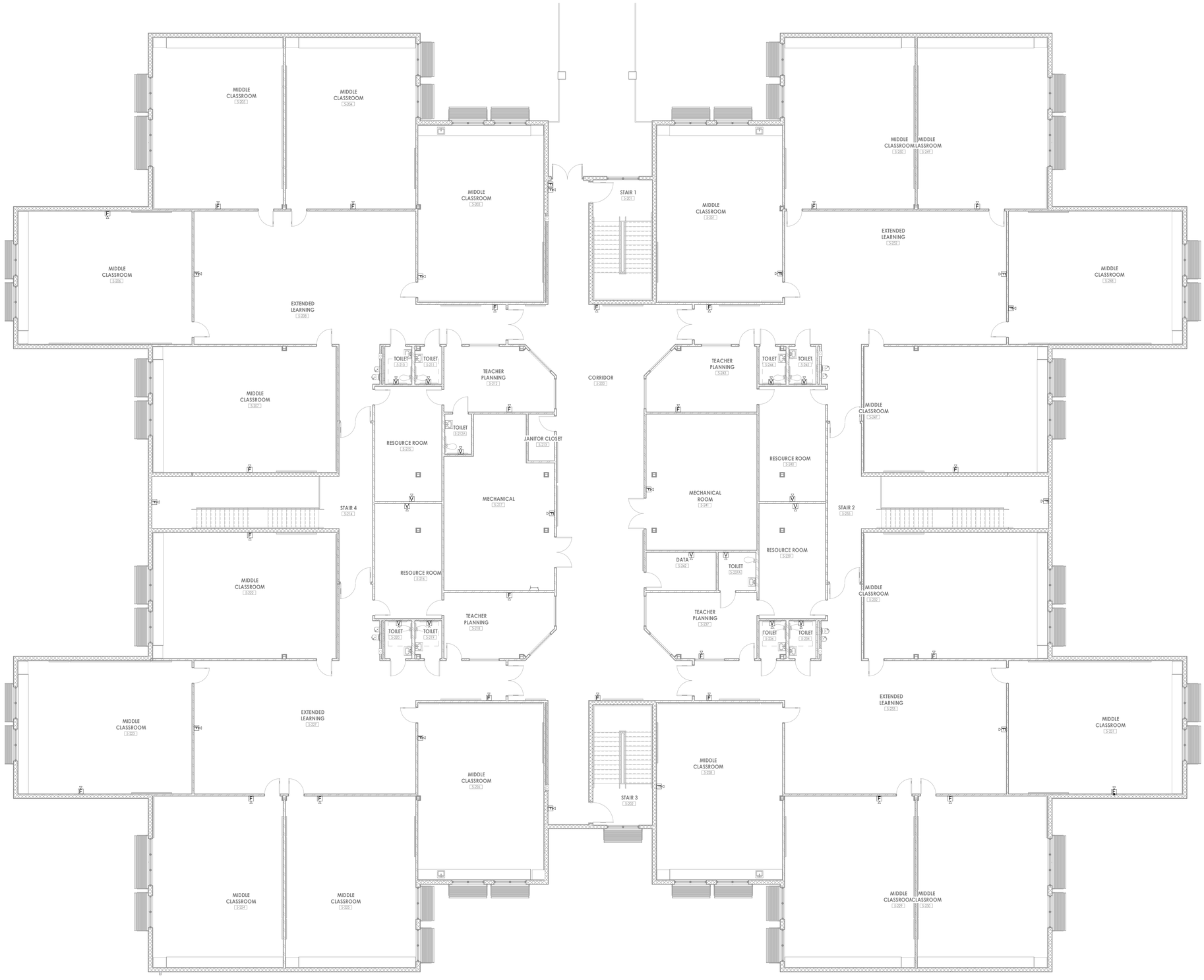
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DRAWN BY:Author CHECKED BY:Checker



GENERAL NOTES

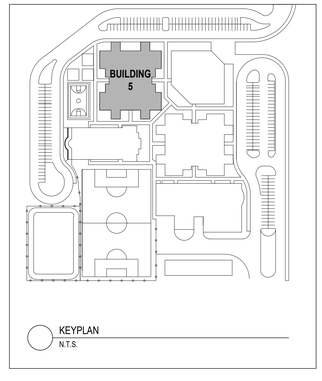
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KEYPLAN
N.T.S.

N

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4/10/2026

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DRAWING TITLE:

FIRE ALARM PLAN - LEVEL 2 - BUILDING 5

COMMISSION NUMBER:
26K014

DO NOT SCALE THE DRAWINGS

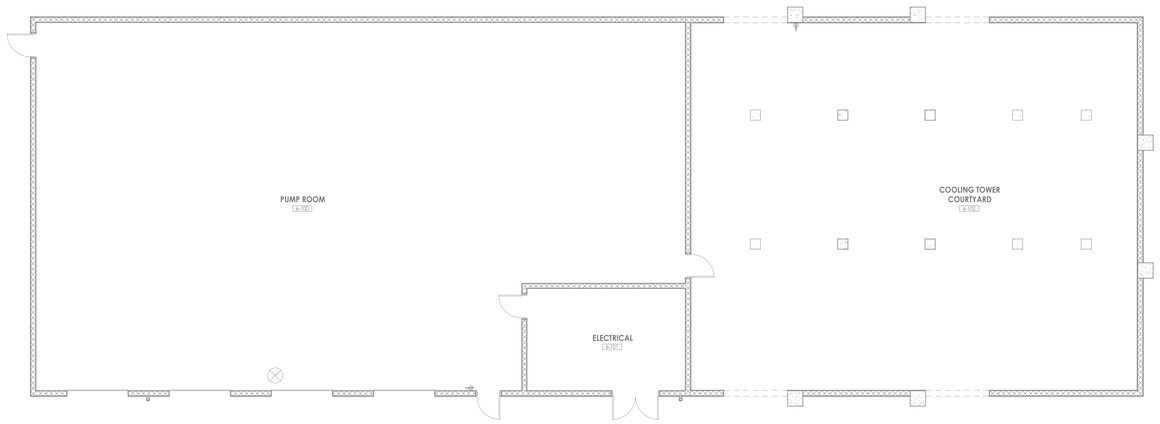
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3"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

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1 FA1.9 FIRE ALARM - LEVEL 1- BUILDING 6
1/8" = 1'-0"

GENERAL NOTES

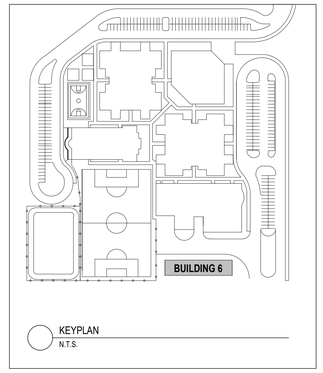
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FIRE ALARM PLAN - LEVEL 1 - BUILDING 6

COMMISSION NUMBER:

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	SYSTEM INPUTS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	
1	FIRE ALARM SYSTEM AC POWER FAILURE					●	●					●															1
2	FIRE ALARM SYSTEM LOW BATTERY					●	●						●														2
3	OPEN CIRCUIT					●	●						●														3
4	GROUND FAULT					●	●						●														4
5	NOTIFICATION APPLIANCE CIRCUIT SHORT					●	●						●														5
6	BUILDING MANUAL PULL STATIONS	●	●					●	●	●	●			●						●							6
7	CORRIDOR SMOKE DETECTORS	●	●					●	●	●	●			●	●				●	●		●	●	●			7
8	AREA SMOKE DETECTORS	●	●					●	●	●	●			●	●				●	●		●	●	●			8
9	HVAC AIR DUCT SMOKE DETECTORS			●	●			●				●									●						9
10	AREA HEAT DETECTORS	●	●					●	●	●	●			●	●				●	●		●	●	●			10
11	HOOD OR ROOM FIRE SUPPRESSION SYSTEM ALARM	●	●					●	●	●	●			●	●				●	●							11
12	SPRINKLER TAMPER SWITCH			●	●			●				●															12
13	SPRINKLER WATER FLOW IN BUILDING	●	●					●	●	●	●			●	●				●	●							13
14	SPRINKLER WATER FLOW IN ELEVATOR EQUIPMENT ROOM OR SHAFT	●	●					●	●	●	●			●	●		●	●	●	●							14
15	ELEVATOR EQUIPMENT ROOM AREA SMOKE DETECTOR	●	●					●	●	●	●			●	●		●		●	●							15
16	ELEVATOR SHAFT AND ELEVATOR EQUIPMENT ROOM HEAT DETECTORS	●	●					●	●	●	●			●	●		●	●	●	●							16
17	ELEVATOR LOBBY SMOKE DETECTORS - UPPER FLOORS	●	●					●	●	●	●			●	●				●	●		●	●	●			17
18	ELEVATOR LOBBY SMOKE DETECTORS - RECALL FLOOR	●	●					●	●	●	●			●		●	●		●	●		●	●	●			18
19	ELEVATOR CONTROLLER POWER SHUNT TRIP STATUS			●	●			●				●															19
20	FIRE PUMP POWER FAILURE/PHASE REVERSAL			●	●			●				●															20
21	FIRE PUMP RUNNING	●	●					●	●	●	●			●	●				●	●							21
22	FIRE PUMP SYSTEM NOT IN AUTOMATIC			●	●			●				●															22
23	LEGALLY REQUIRED GENERATOR SYSTEM LOW FUEL			●	●			●				●															23
24	LEGALLY REQUIRED GENERATOR NOT IN AUTOMATIC			●	●			●				●															24
25	AREA OF REFUGE TWO-WAY COMMUNICATIONS STATUS			●	●			●				●															25
26	--																										26
27	--																										27
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	

ACTUATE COMMON ALARM SIGNAL INDICATOR
ACTUATE AUDIBLE ALARM SIGNAL
ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR
ACTUATE AUDIBLE SUPERVISORY SIGNAL
ACTUATE COMMON TROUBLE SIGNAL INDICATOR
ACTUATE AUDIBLE TROUBLE SIGNAL
ACTUATE ZONE OR DEVICE ADDRESS ALARM INDICATOR
DISPLAY GENERAL EVACUATION SIGNAL
TRANSMIT CHANGE OF STATUS
TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION
TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION
RELEASE MAGNETICALLY HELD DOORS
TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION
RECALL ELEVATOR TO RECALL FLOOR
ACTUATE WARNING TO ALTERNATE RECALL FLOOR
DELAYED REMOVAL OF POWER TO ELEVATOR CABS
CLOSE ALL SMOKE DAMPERS
UNLOCK EXITS AND CONTROL DOORS IN PATH OF EGRESS
SHUT DOWN RESPECTIVE AIR HANDLING EQUIPMENT
ACTUATE FLOOR PRESSURIZATION
ACTUATE STAIRWELL PRESSURIZATION
ACTUATE SMOKE EXHAUST
\
\

FACP ANNUNCIATION | NOTIFICATION | REQUIRED FIRE SAFETY CONTROL

SYSTEM OUTPUTS

FIRE ALARM SYSTEM MATRIX

3"=1'-0"
1 1/2"=1'-0"
1"=1'-0"
3/4"=1'-0"
1/2"=1'-0"
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1/8"=1'-0"
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spiezle

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SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE
1		

FOR BID: DD/MM/YYYY

DRAWING TITLE:

FIRE ALARM DETAILS

COMMISSION NUMBER:

26K014

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DRAWING NUMBER:

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SYMBOLS - ELECTRICAL

COMMUNICATIONS

▶	TELEPHONE OUTLET. PROVIDE SINGLE-GANG BOX 18" AFF UON AND 1"C STUBBED OUT ABOVE ACCESSIBLE CEILING
▶	COMBINATION TELEPHONE/DATA OUTLET. PROVIDE SINGLE-GANG BOX 18" AFF UON AND 1"C STUBBED OUT ABOVE ACCESSIBLE CEILING
●▶	SAME AS ▶ EXCEPT MOUNTED HIGH ABOVE COUNTER / BACKSPLASH, OR HEIGHT INDICATED; SEE "MOUNTING HEIGHTS" THIS SHEET

** TYPICAL FOR ALL COMMUNICATIONS OUTLETS:
TP = TAMPERPROOF
C = CEILING MOUNTED
SUBSCRIPT, IF SHOWN, INDICATES # OF RJ-45 CONNECTIONS

⊢	TELECOM GROUNDING BAR; TGB - TELECOM GROUNDING BAR, TMGB - TELECOM MAIN GROUNDING BAR
AV▷	4" SQUARE BOX WITH SINGLE-GANG OPENING AND PLASTER RING FOR A/V WITH 1-1/2"C. STUBBED OUT ABOVE NEAREST ACCESSIBLE CEILING, OR AS INDICATED ON DRAWINGS. TERMINATE CONDUIT WITH PLASTIC PROTECTIVE RING AND PROVIDE PULL STRING
AV ●▷	SAME AS ▷ EXCEPT MOUNTED HIGH AT HEIGHT INDICATED ON PLANS
ⓓ	SAME AS ▷ EXCEPT MOUNTED AT ASSOCIATED CEILING HEIGHT OF ROOM
(WAP)	WIRELESS ACCESS POINT (WAP), 4" SQUARE BOX WITH A SINGLE-GANG OPENING AND PLASTER RING, COORDINATE FINAL LOCATIONS WITH SYSTEM MANUFACTURER
S	WALL MOUNTED SPEAKER
(S)	CEILING MOUNTED SPEAKER
(S)	CEILING MOUNTED SPEAKER
(IH)	WALL MOUNTED HORN/SPEAKER
(IS)	WALL MOUNTED INTERCOM SPEAKER
(IF)	WALL MOUNTED INTERCOM SPEAKER, FLEXHORN, VANDAL-RESISTANT, WEATHER-RESISTANT, SURFACE MOUNTED
(IV)	WALL MOUNTED VOLUME CONTROL, SURFACE MOUNTED TO WALL AT 46" O.C. AFF
(IS)	WALL MOUNTED CALL SWITCH, SURFACE MOUNTED TO WALL AT 46" O.C. AFF
AMP	WALL MOUNTED AMPLIFIER, SURFACE MOUNTED AT 46" O.C. AFF OR MANUFACTURER RECOMMENDED MOUNTING HEIGHT
DAS	DISTRIBUTED ANTENNA SYSTEM ANTENNA, CEILING MOUNTED (FLUSH)

SYMBOLS - ELECTRICAL (CONTINUED)

SYMBOLS - SECURITY

CR	CARD READER: J-BOX TO BE MOUNTED @ +44" AFF. PROVIDE 4" SQUARE X 2-1/8" DEEP J-BOX WITH SINGLE-GANG MUD RING COVER PLATE AND 3/4"C WITH PULL STRING STUBBED MINIMUM 3" INTO THE CEILING
DC	INTRUSION ALARM DOOR CONTACT: COORDINATE WITH EQUIPMENT SUPPLIER FOR TERMINATION POINT AND ELEVATION. PROVIDE 3/4"C WITH PULL STRING STUBBED 3" INTO THE CEILING
DP	DOOR POSITION SWITCH: COORDINATE WITH EQUIPMENT SUPPLIER TO RECESS MOUNT DEVICE IN TOP FRAME OF DOOR. COORDINATE LOCATION OF DEVICE WITH ALL OTHER DEVICES IN CEILING
MD	INTRUSION ALARM MOTION DETECTOR: COORDINATE WITH EQUIPMENT SUPPLIER TO MOUNT DEVICE IN CEILING. COORDINATE LOCATION OF DEVICE WITH ALL OTHER DEVICES IN CEILING
P	PANIC BUTTON: J-BOX TO BE MOUNTED UNDER DESK. COORDINATE WITH EQUIPMENT SUPPLIER FOR ELEVATION. PROVIDE 4-11/16" SQUARE X 2-1/8" DEEP J-BOX WITH SINGLE-GANG MUD RING COVER PLATE AND 3/4"C WITH PULL STRING STUBBED 3" INTO THE CEILING
KP	INTRUSION ALARM KEYPAD: FOR INTRUSION ALARM KEYPAD - J-BOX TO BE MOUNTED @ +54" AFF. PROVIDE 4-11/16" SQUARE X 2-1/8" DEEP J-BOX WITH SINGLE-GANG MUD RING COVER PLATE AND 3/4"C WITH PULL STRING STUBBED 3" INTO THE CEILING
DR	DOOR RELEASE BUTTON: J-BOX TO BE MOUNTED UNDER DESK. COORDINATE WITH EQUIPMENT SUPPLIER FOR ELEVATION. PROVIDE 4-11/16" SQUARE X 2-1/8" DEEP J-BOX WITH SINGLE-GANG MUD RING COVER PLATE AND 3/4"C WITH PULL STRING STUBBED 3" INTO THE CEILING
◁▭	SECURITY CAMERA: COORDINATE WITH EQUIPMENT SUPPLIER TO MOUNT DEVICE IN CEILING OR IN WALL @ +12' AFF/AFG. COORDINATE LOCATION OF DEVICE WITH ALL OTHER DEVICES IN CEILING. PROVIDE 4-11/16" SQUARE X 2-1/8" DEEP J-BOX WITH SINGLE-GANG MUD RING COVER PLATE AND 3/4"C WITH PULL STRING STUBBED 3" INTO NEAREST ACCESSIBLE CEILING.
PB	PUSH TO EXIT BUTTON: COORDINATE WITH EQUIPMENT SUPPLIER FOR ELEVATION. PROVIDE 4-11/16" SQUARE X 2-1/8" DEEP J-BOX WITH SINGLE-GANG MUD RING COVER PLATE AND 3/4"C WITH PULL STRING STUBBED 3" INTO THE CEILING

3"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

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DRAWING TITLE:

GENERAL NOTES AND SYMBOLS LEGEND - TECHNOLOGY

COMMISSION NUMBER:
26K014

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DRAWING NUMBER:

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3"= 1'-0"

1 1/2"= 1'-0"

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DRAWING TITLE:

SITE PLAN - TECHNOLOGY

COMMISSION NUMBER:

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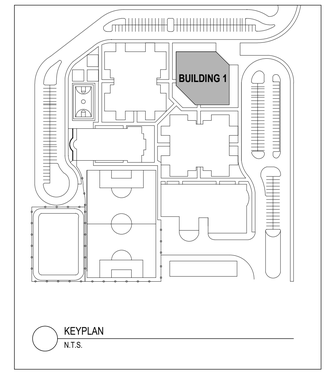
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1 T1.1 TECHNOLOGY PLAN - LEVEL 1 - BUILDING 1
1/8" = 1'-0"



KEYPLAN
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TECHNOLOGY - ADMINISTRATION - BUILDING 1 - TECHNOLOGY

COMMISSION NUMBER:
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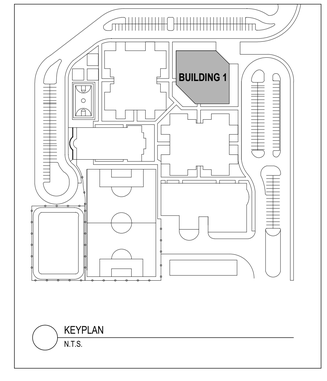
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1 T1.2 TECHNOLOGY PLAN - LEVEL 2 - BUILDING 1
1/8" = 1'-0"



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FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

DRAWING TITLE:

SECOND FLOOR - ADMINISTRATION - BUILDING 1 - TECHNOLOGY

COMMISSION NUMBER:

26K014

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DRAWING NUMBER:

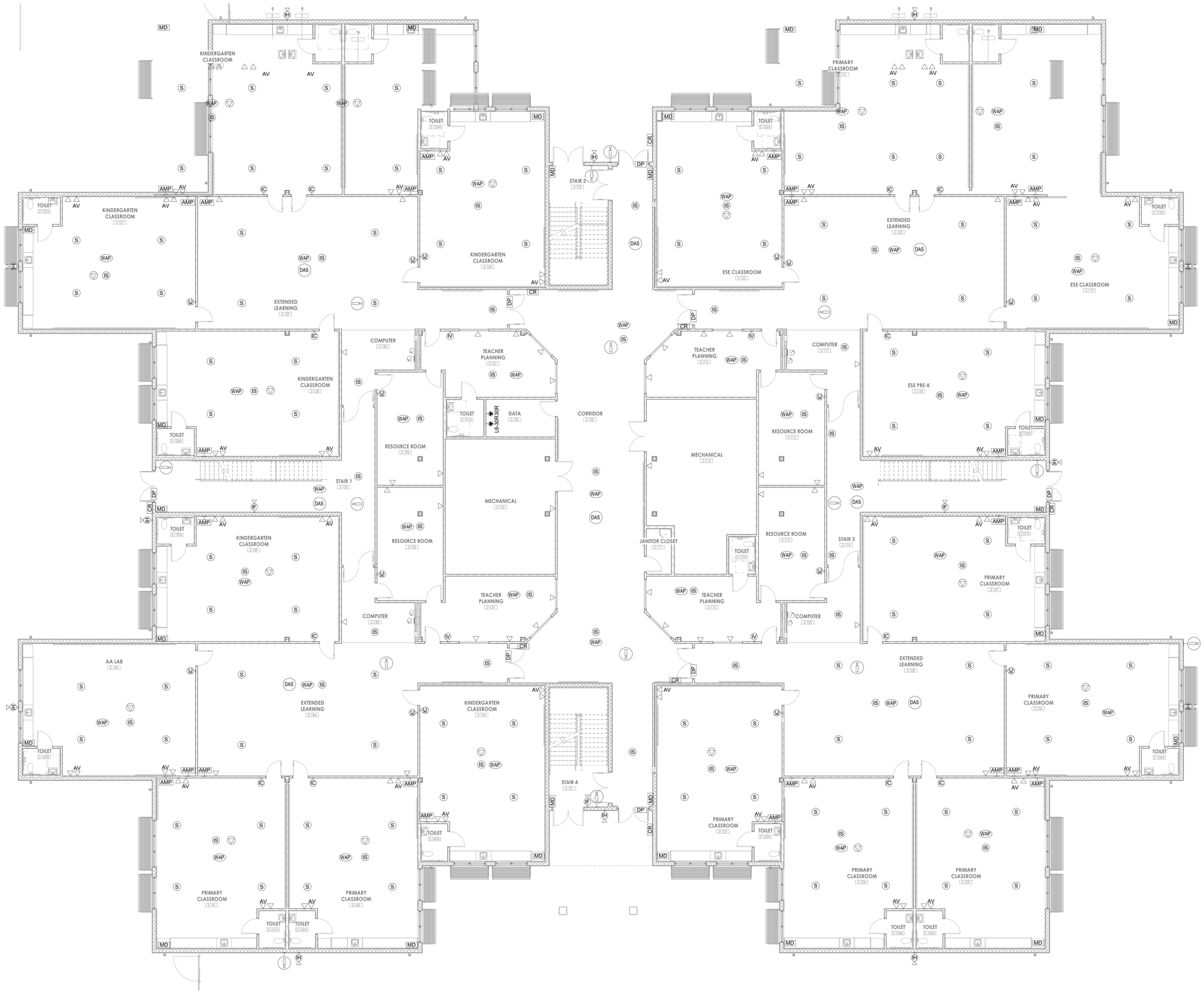
T1.2

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1 TECHNOLOGY PLAN - LEVEL 1 - BUILDING 2
T1.3 1/8" = 1'-0"

KEYPLAN
N.T.S.

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SPIEZLE ARCHITECTURAL GROUP INC.
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JOHN F. WRIGHT	AR101341
STEVE LEONE	AR98370

SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

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9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

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DRAWING TITLE:

FIRST FLOOR - CLASSROOM 1 - BUILDING 2 - TECHNOLOGY

COMMISSION NUMBER:

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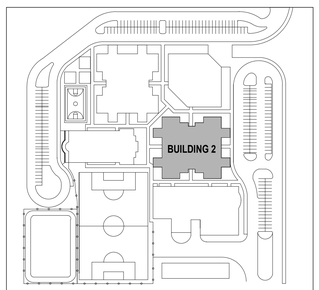
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1 T1.4 TECHNOLOGY PLAN - LEVEL 2 - BUILDING 2
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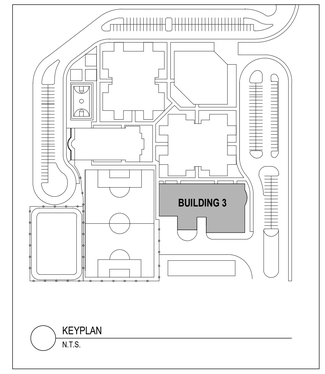
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1 T1.5 TECHNOLOGY PLAN - LEVEL 1 - BUILDING 3
1/8" = 1'-0"

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FIRST FLOOR - AUDITERIA - BUILDING 3 - TECHNOLOGY

COMMISSION NUMBER:

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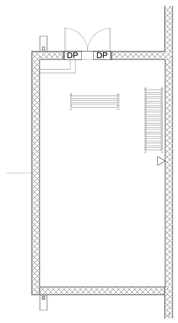
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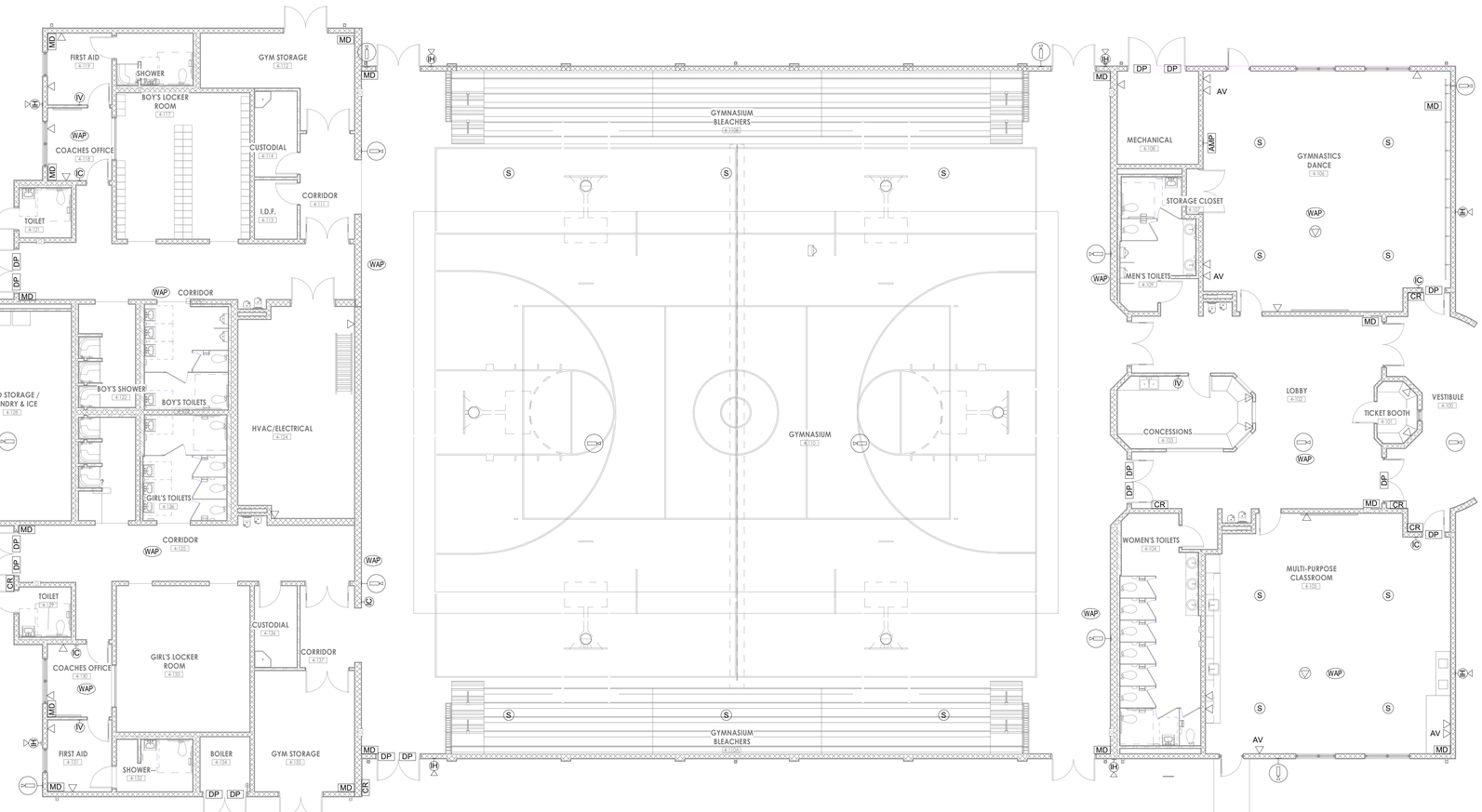
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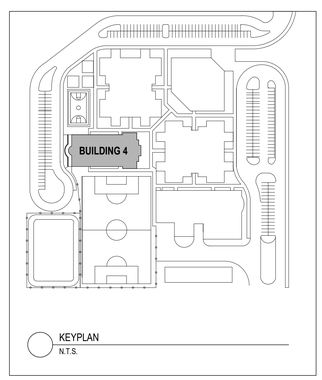
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2 T1.6 TECHNOLOGY PLAN - LEVEL 2 - BUILDING 4
1/8" = 1'-0"



1 T1.6 TECHNOLOGY PLAN - LEVEL 1 - BUILDING 4
1/8" = 1'-0"



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FIRST FLOOR - GYM - BUILDING 4 - TECHNOLOGY

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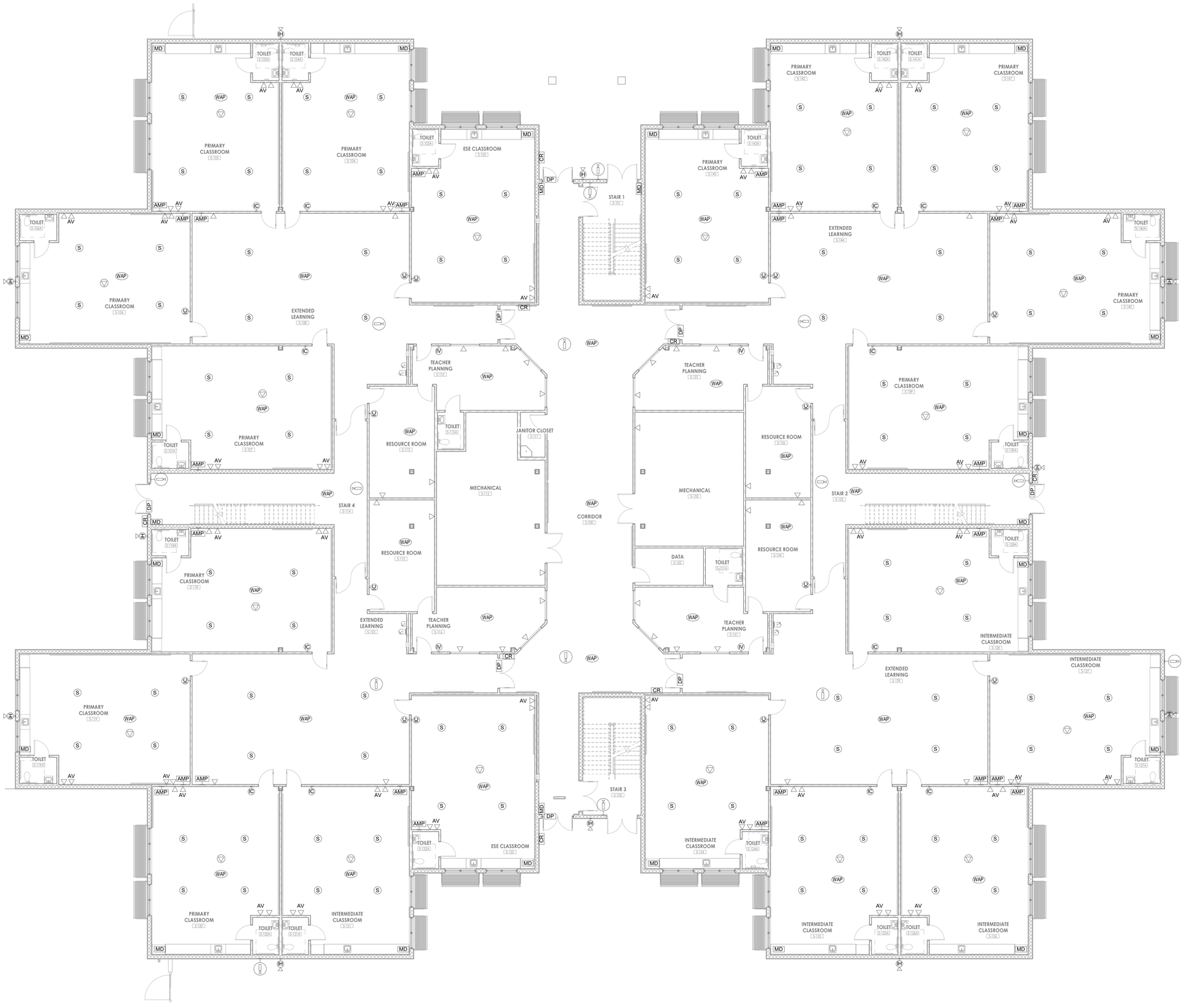
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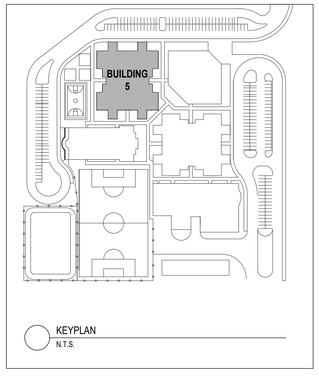
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1 T1.7 TECHNOLOGY PLAN - LEVEL 1 - BUILDING 5
1/8" = 1'-0"



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FIRST FLOOR - CLASSROOM 2 - BUILDING 5 - TECHNOLOGY

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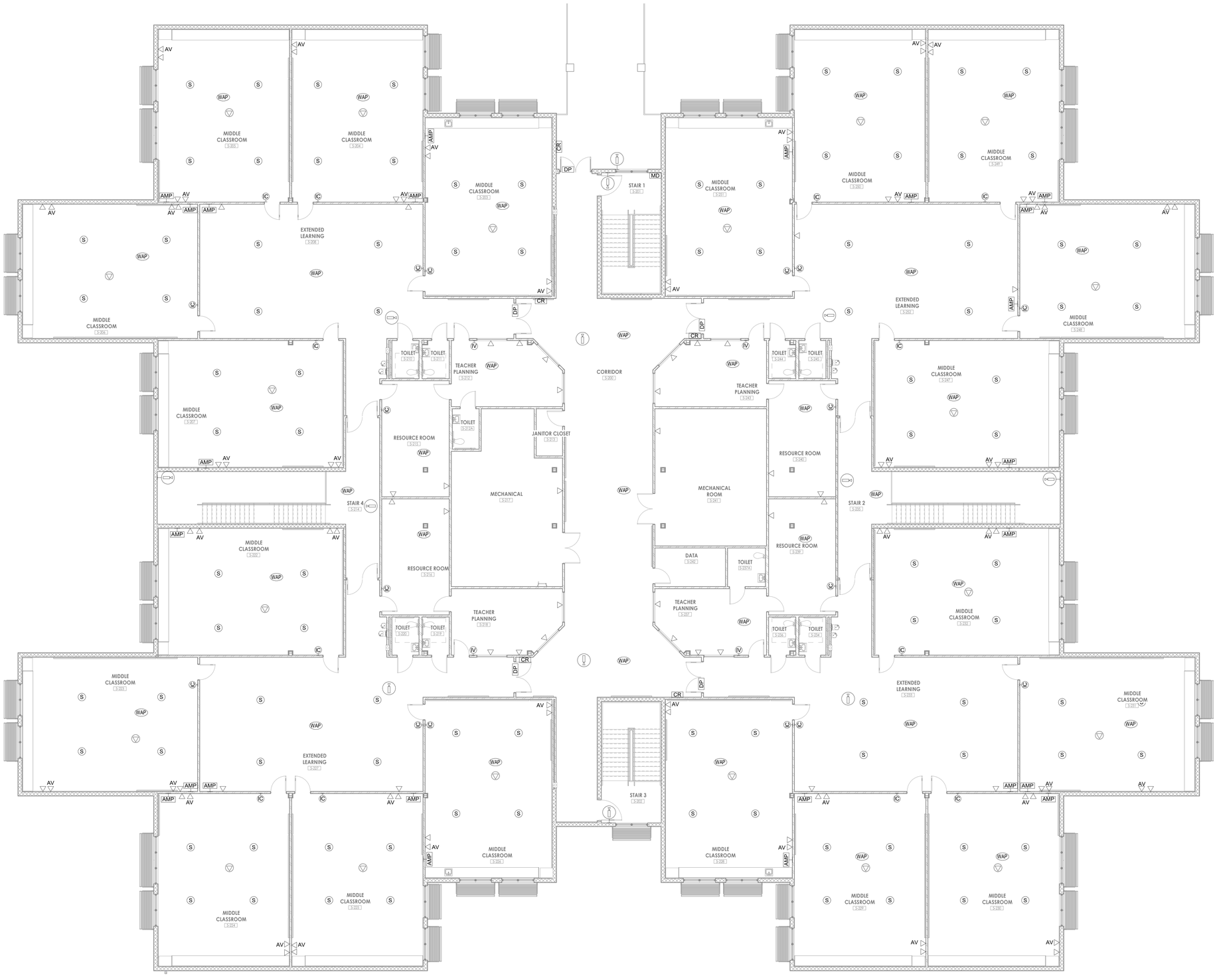
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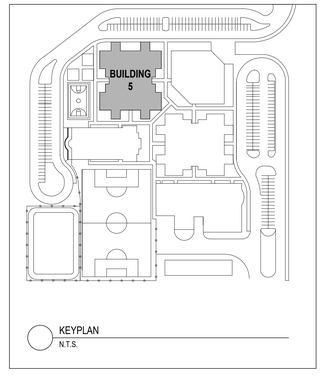
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1 T1.8 TECHNOLOGY PLAN - LEVEL 2 - BUILDING 5
1/8" = 1'-0"



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SECOND FLOOR - CLASSROOM 2 - BUILDING 5 - TECHNOLOGY

COMMISSION NUMBER:

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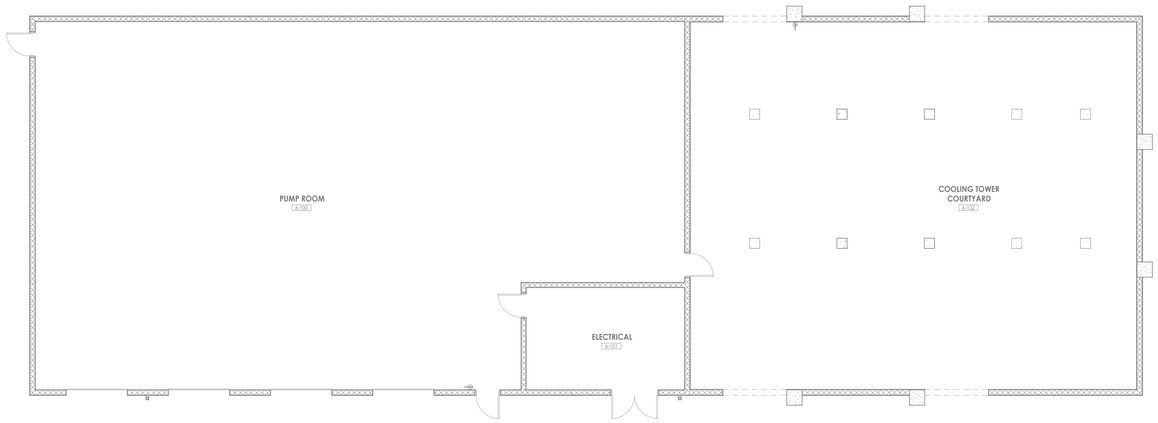
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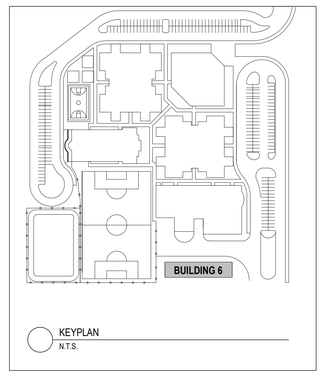
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1 T1.9 TECHNOLOGY PLAN - LEVEL 1 - BUILDING 6
1/8" = 1'-0"



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ST. LUCIE GREEN ZONE K-8 SCHOOL

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ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

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DRAWING TITLE:

FIRST FLOOR - CHILL - BUILDING 6 - TECHNOLOGY

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1"= 1'-0"

3/4"= 1'-0"

1/2"= 1'-0"

1/4"= 1'-0"

1/8"= 1'-0"

1/16"= 1'-0"

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ENLARGED FLOOR PLANS - TECHNOLOGY

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DRAWING TITLE:

AUDIOVISUAL DIAGRAMS AND EQUIPMENT - TECHNOLOGY

COMMISSION NUMBER:

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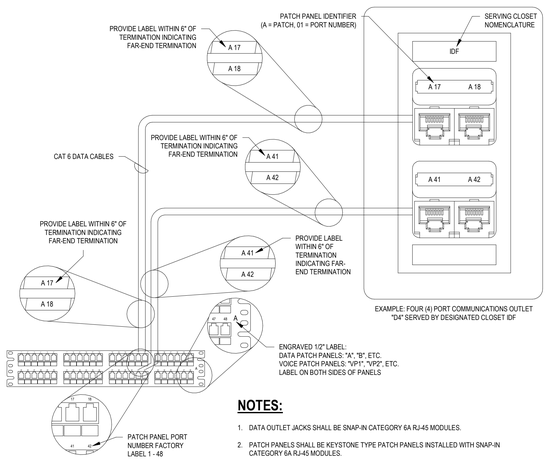
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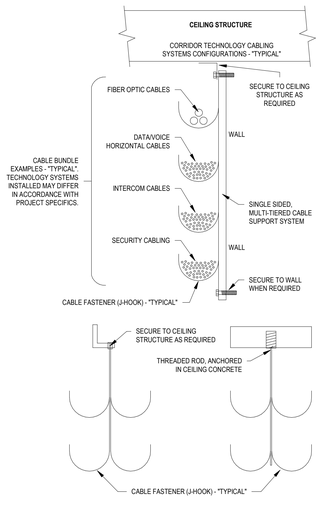
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NOTES:

1. DATA OUTLET JACKS SHALL BE SNAP-IN CATEGORY 6A RJ-45 MODULES.
2. PATCH PANELS SHALL BE KEYSTONE TYPE PATCH PANELS INSTALLED WITH SNAP-IN CATEGORY 6A RJ-45 MODULES.

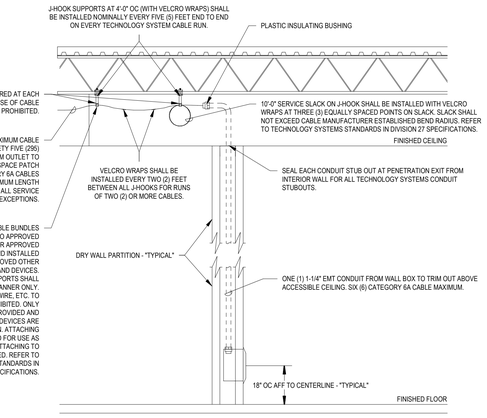
1 TYPICAL OUTLET AND PATCH PANEL WIRING/LABELING
T5.1 NOT TO SCALE



NOTES:

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE AND INSTALL THEIR OWN SEPARATE TRADE SPECIFIC CABLE SUPPORT SYSTEMS FOR ALL INSTALLATIONS. THIS REQUIREMENT IS APPLICABLE FOR MAIN CABLE BUNDLES AS WELL AS INDIVIDUAL STATION AND FIELD DEVICE CABLE RUNS.
2. THE CONTRACTOR SHALL PROVIDE CABLE FASTENERS AND HARDWARE AS SPECIFIED AND REQUIRED BY THE J-HOOK MANUFACTURER AS WELL AS ALL REQUIRED AND APPROVED COMPONENTS.
3. ALL NEWLY INSTALLED J-HOOK SUPPORT SYSTEMS SHALL BE APPROPRIATELY SIZED TO ACCOMMODATE A FORTY (40) PERCENT INCREASE IN GROWTH CAPACITY UPON COMPLETION OF EACH NEW INSTALLATION. DURING NEW CABLING INSTALLATIONS WHERE THE MANUFACTURER'S CABLE FILL RATIO REQUIREMENTS ARE EXCEEDED THE CONTRACTOR SHALL BE REQUIRED TO INSTALL ADDITIONAL J-HOOK FASTENERS TO ACCOMMODATE THE OVERFILL CABLES.
4. FOR NEW CONSTRUCTION CABLE SUPPORT SYSTEMS ALL SUPPORTS FOR BOTH THE MAIN RUNS AND THE STATION AND FIELD DEVICE FEEDS SHALL BE MOUNTED AT THE HIGHEST POINT AVAILABLE ABOVE CEILING. MOUNT AT LEVEL OF BUILDING STEEL, AND IF FEASIBLE, ABOVE ALL OTHER TRADE WIRING, DUCTING, PIPING, CONDUITS, AND ALL MECHANICAL AND ELECTRICAL EQUIPMENT. FOR EXISTING RENOVATION CONSTRUCTION CABLE SUPPORT SYSTEMS LOCATIONS SHALL AS MUCH AS POSSIBLE ROUTINELY COMPLY AS REQUIRED FOR NEW CONSTRUCTION INSTALLATIONS. ALL INSTALLED PATHWAYS SHALL BE INSPECTED AND ALL ISSUES ADDRESSED BY THE CONTRACTOR TO THE SATISFACTION OF THE CONSTRUCTION PROJECT MANAGERS AND OWNER REPRESENTATIVE.
5. IF J-HOOKS CAN NOT BE MOUNTED TO STRUCTURAL METAL/WOOD STUDS OR DRYWALL THEN J-HOOKS MAY ALSO BE INSTALLED USING CONTRACTOR PROVIDED AND INSTALLED CEILING GRID WIRE PAINTED WITH A TWELVE (12) INCH SWATCH OF BLUE PAINT INDICATING THE HANGERS ARE INTENDED ONLY FOR THE INSTALLATION OF CABLE RUNS. ALL GRID HANGERS SHALL BE FASTENED ON CEILING FAR END TO BUILDING STEEL OR TO APPROVED ANCHORS AND AT THE NEAR END OF THE CEILING GRID. IT IS NOT PERMISSIBLE IN ANY CIRCUMSTANCE FOR ANY CONTRACTOR TO USE ANY PRE-EXISTING GRID WIRE, BRACKETS, HANGERS, THREADED ROD OR OTHER MEANS INSTALLED BY OTHER CONTRACTORS.
6. J-HOOK SUPPORT SYSTEMS MAY BE INSTALLED AS DOUBLE SIDED MULTIPLE HOOK HANGER ASSEMBLIES WITH THE FOLLOWING PROVISIONS:
   A. ALL CONTRACTORS SHALL MAINTAIN MANUFACTURER APPROVED MINIMUM CABLE SEPARATION FOR ALL DIFFERING CABLES INSTALLED.
   B. ALL CONTRACTORS SHALL PROVIDE AND INSTALL ADEQUATE AND APPROVED AND SECURELY FASTENED ASSEMBLY BRACKETS.
   C. ALL J-HOOK AND OTHER APPROVED ASSEMBLIES SHALL BE SECURELY FASTENED TO BUILDING STRUCTURE UTILIZING ONLY APPROVED STRUCTURAL SURFACES.
7. ALL CABLE BUNDLES AND ALL CABLE RUNS SHALL BE SECURED AT EACH J-HOOK WITH VELCRO WRAPS AND SHALL BE SECURED BETWEEN EACH J-HOOK WITH VELCRO WRAPS EVERY TWO (2) FEET THE ENTIRE LENGTH OF EACH CABLE BUNDLE AND OR CABLE RUN.
8. ALL CABLE RUNS SHALL BE SECURED AT THE FIELD STATION OR FIELD DEVICE TERMINATING END WITH SPECIFIED LENGTHS OF SERVICE SLACK WHICH SHALL BE NEATLY DRESSED AND BUNDLED WITH VELCRO WRAPS AT THREE (3) EQUAL POINTS ON THE SERVICE SLACK COIL. THE SERVICE SLACK COIL SHALL BE SECURED ON A J-HOOK SUPPORT WITH VELCRO WRAPS.

2 TYPICAL ABOVE CEILING SUPPORT SYSTEM
T5.1 NOT TO SCALE



3 TYPICAL FLUSH MOUNTED OUTLET
T5.1 NOT TO SCALE

NOTES:

1. IN HIGH CEILING AREAS, MOUNT OUTLET FOR WAP AT NO LOWER THAN 10' AFF.
2. IN HARD CEILING AREAS, MOUNT OUTLET FOR WAP FLUSH IN CEILING.

4 TYPICAL WIRELESS ACCESS POINT CEILING MOUNTED
T5.1 NOT TO SCALE

5 TYPICAL FLOOR BOX
T5.1 NOT TO SCALE

NOTES:

1. PROVIDE TWO (2) SURGE SUPPRESSION TYPE DUPLEX RECEPTACLES.
2. PROVIDE DATA & A/V CABLING AND COVER PLATES AS REQUIRED BY SPECIFICATION. FOR DATA AND A/V CABLING PROVIDE TWO (2) 2" CONDUITS WITH PULLSTRING TO ACCESSIBLE CEILING SPACE.
3. PROVIDE WITH WHITE TRIM FLANGE AND COVER.
4. PROVIDE DIVIDER PLATE FOR SEPARATION OF 120V WIRING AND FUTURE COMMUNICATION WIRING.
5. PROVIDE ALL REQUIRED HARDWARE, MODULES, ETC. AS REQUIRED BY MANUFACTURER FOR COMPLETE SYSTEM.

6 TYPICAL WALL BOX
T5.1 NOT TO SCALE

NOTES:

1. REFER TO POWER PLANS FOR CIRCUIT AND ROUTING REQUIREMENTS, ALONGSIDE ANY POWER RECEPTACLES AND THE TYPE OF RECEPTACLE BEING USED.

7 TYPICAL FLAT PANEL DISPLAY - WALL MOUNTED
T5.1 NOT TO SCALE

NOTES:

1. IN HARD CEILING AREAS, MOUNT OUTLET FOR CCTV FLUSH IN CEILING.
2. REFER TO DIVISION 27 AND DIVISION 28 SPECS FOR ANY COMPONENTS NEEDED FOR FULLY WORKING SYSTEM.

8 TYPICAL CCTV CAMERA - INTERIOR - CEILING MOUNTED
T5.1 NOT TO SCALE

NOTES:

1. WALL ELEVATION SHOWN IS FOR REFERENCE ONLY.
2. REFER TO ARCHITECTURAL SHEET WALL ELEVATIONS AND STRUCTURAL DRAWING FOR SPECIFIC CONSTRUCTION REQUIREMENTS.

9 TYPICAL CCTV CAMERA - EXTERIOR - WALL MOUNTED
T5.1 NOT TO SCALE

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80 ROYAL PALM POINT
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SEAL:

CONSULTANTS:

SCHEMATIC DESIGN
4/10/2026

PROJECT:

ST. LUCIE GREEN ZONE K-8 SCHOOL

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: DD/MM/YYYY

REVISIONS:

#	REVISION NAME	DATE

FOR BID: DD/MM/YYYY

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TECHNOLOGY DETAILS

COMMISSION NUMBER:

26K014

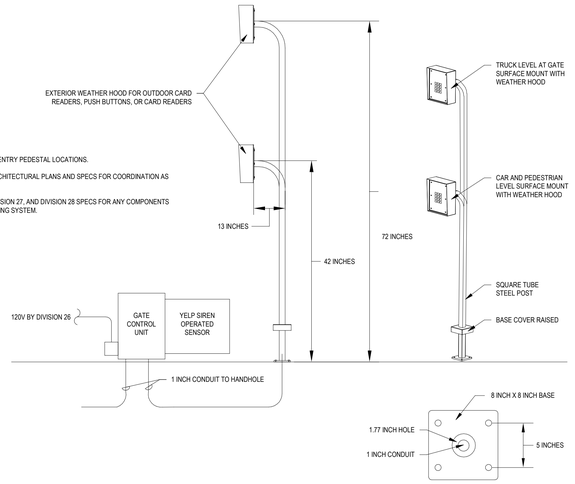
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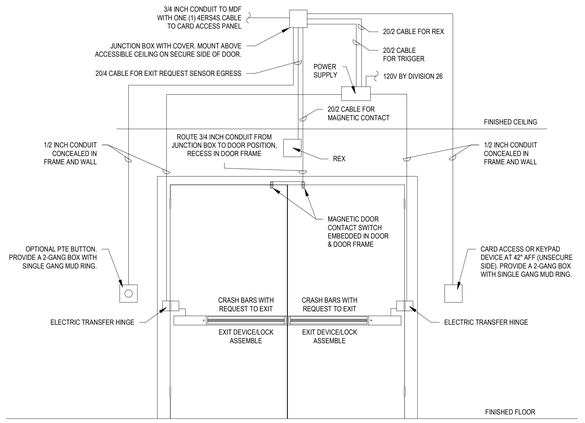
NOTES:

1. REFER TO SITE PLAN FOR ENTRY PEDESTAL LOCATIONS.
2. REFER TO POWER AND ARCHITECTURAL PLANS AND SPECS FOR COORDINATION AS NEEDED.
3. REFER TO DIVISION 26, DIVISION 27, AND DIVISION 28 SPECS FOR ANY COMPONENTS NEEDED FOR FULLY WORKING SYSTEM.

1 T5.2 TYPICAL CARD ACCESS FOR ENTRY PEDESTAL
NOT TO SCALE

NOTES:

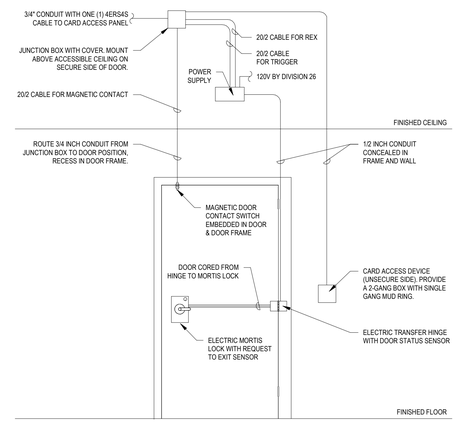
1. REFER TO DIVISION 26, DIVISION 27, AND DIVISION 28 SPECS FOR ANY COMPONENTS NEEDED FOR FULLY WORKING SYSTEM.



2 T5.2 TYPICAL CARD ACCESS FOR DOUBLE DOOR - CRASH BAR
NOT TO SCALE

NOTES:

1. REFER TO DIVISION 26, DIVISION 27, AND DIVISION 28 SPECS FOR ANY COMPONENTS NEEDED FOR FULLY WORKING SYSTEM.



3 T5.2 TYPICAL CARD ACCESS FOR SINGLE DOOR
NOT TO SCALE

KEYNOTES [X]:

1. 22/4 UNSHIELDED CABLE FOR KEYPAD FIELD DEVICE LOCATIONS WITH A TEN (10) FOOT SERVICE SLACK AT EACH CABLE END.
2. 22/2 UNSHIELDED CABLE FOR DOOR CONTACT FIELD DEVICE LOCATIONS WITH A TEN (10) FOOT SERVICE SLACK AT EACH CABLE END.
3. 22/4 UNSHIELDED CABLE FOR MOTION SENSOR FIELD DEVICE LOCATIONS WITH A TEN (10) FOOT SERVICE SLACK AT EACH CABLE END.
4. 18/2 UNSHIELDED CABLE FOR STROBE AND SIREN FIELD DEVICE LOCATIONS WITH A TEN (10) FOOT SERVICE SLACK AT EACH CABLE END.
5. ALL FIELD DEVICE CABLE ENDS SHALL BE PROPERLY LABELED AND TERMINATED WITHIN SIX (6) INCHES OF POINT OF TERMINATION AT EACH DEVICE OR WHERE DEVICE CABLING IS INSTALLED IN A STUB OUT SHALL BE LABELLED WITHIN SIX (6) INCHES OF ENTRANCE INTO STUB OUT AT ALL LOCATIONS.
6. AT THE MAIN INTRUSION DETECTION PANEL (HEAD END) AND AT ALL ZONE EXPANDER PANELS ALL FIELD DEVICE CABLE ENDS SHALL BE PROPERLY LABELED AND TERMINATED AND DRESSED IN EACH PANEL. ALL CABLES SHALL BE INSTALLED AT EACH PANEL THROUGH AN APPROVED COUPLER DEVICE TO THE INTERIOR OF EACH PANEL.
7. THE MAIN INTRUSION DETECTION PANEL (HEAD END) AND ALL ZONE EXPANDER PANELS SHALL BE INSTALLED WITH A PROPERLY LABELED ZONE CARD INDICATING ALL DEVICES CONNECTED. ALL NEW PANEL INSTALLATIONS SHALL BE INSTALLED WITH TWO (2) SPARE PORTS FOR EXPANSION PURPOSES AT COMPLETION OF ALL NEW CONSTRUCTION AND RENOVATION PROJECTS.
8. THE MAIN INTRUSION DETECTION PANEL (HEAD END) AND EACH ZONE EXPANDER PANEL SHALL BE PROPERLY GROUNDED AT THE INTERIOR OF EACH PANEL CONNECTION SHALL BE METAL TO METAL UTILIZING A PROPERLY SIZED GROUND LUG BOLTED (NOT SCREWED) TO THE PANEL CHASSIS WHICH SHALL BE ATTACHED TO A NUMBER SIX (6) STRANDED COPPER, GREEN JACKETED GROUND CABLE HOMERUN INSTALLED FROM THE SPECIFICATIONS FOR GROUND CABLE INSTALLATIONS. THIS SHALL BE ACCOMPLISHED AT COMPLETION OF ALL PROJECT PANEL INSTALLATIONS. EACH GROUND CABLE SHALL BE INSTALLED AT EACH PANEL THROUGH AN APPROVED COUPLER DEVICE TO THE INTERIOR OF EACH PANEL AND EACH CABLE SHALL BE SUPPORTED BY THE CONTRACTOR TO THE PANEL FROM THE GROUNDING BUS BAR BY DIVISION 27.
9. ALL LOW VOLTAGE CABLE SHOULD BE ROUTED TO THE MDF/IDF ROOMS IN A SECURED PATHWAY CABLE TRAY OR CONDUITS.

4 T5.2 TYPICAL INTRUSION DETECTION SYSTEM CONFIG
NOT TO SCALE

NOTES:

1. REFER TO DIVISION 26, DIVISION 27, AND DIVISION 28 SPECS FOR ANY COMPONENTS NEEDED FOR FULLY WORKING SYSTEM.

5 T5.2 TYPICAL CARD ACCESS FOR SINGLE DOOR - CRASH BAR
NOT TO SCALE

NOTES:

1. REFER TO DIVISION 26, DIVISION 27, AND DIVISION 28 SPECS FOR ANY COMPONENTS NEEDED FOR FULLY WORKING SYSTEM.

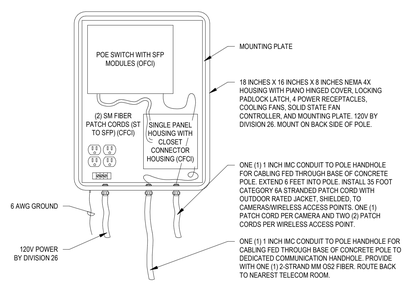
NOTES:

1. REFER TO DIVISION 26, DIVISION 27, AND DIVISION 28 SPECS FOR ANY COMPONENTS NEEDED FOR FULLY WORKING SYSTEM.

6 T5.2 TYPICAL CARD ACCESS FOR SINGLE DOOR - ELECTRIC STRIKE
NOT TO SCALE

NOTES:

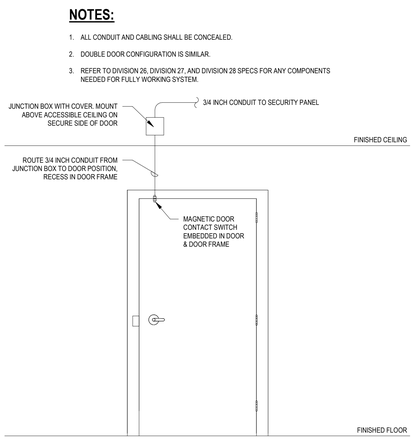
1. REFER TO SITE PLAN FOR POLE CCTV POLE LOCATIONS.
2. REFER TO "TYPICAL CCTV POLE MOUNTING" DETAIL FOR COORDINATION ON MOUNTING PLACEMENT AND HEIGHT.
3. REFER TO POWER, LIGHTING, AND ARCHITECTURAL PLANS AND SPECS FOR COORDINATION AS NEEDED.
4. REFER TO DIVISION 26, DIVISION 27, AND DIVISION 28 SPECS FOR ANY COMPONENTS NEEDED FOR FULLY WORKING SYSTEM.



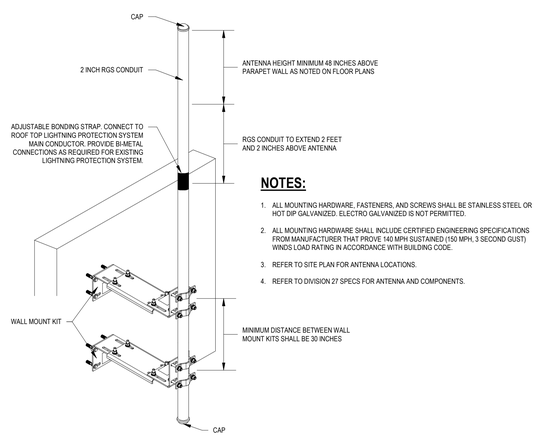
7 T5.2 TYPICAL CCTV TECHNOLOGY CONVERSION HOUSING
NOT TO SCALE

NOTES:

1. ALL CONDUIT AND CABLING SHALL BE CONCEALED.
2. DOUBLE DOOR CONFIGURATION IS SIMILAR.
3. REFER TO DIVISION 26, DIVISION 27, AND DIVISION 28 SPECS FOR ANY COMPONENTS NEEDED FOR FULLY WORKING SYSTEM.



8 T5.2 TYPICAL SECURITY FOR SINGLE DOOR
NOT TO SCALE



NOTES:

1. ALL MOUNTING HARDWARE, FASTENERS, AND SCREWS SHALL BE STAINLESS STEEL OR HOT DIP GALVANIZED. ELECTRO GALVANIZED IS NOT PERMITTED.
2. ALL MOUNTING HARDWARE SHALL INCLUDE CERTIFIED ENGINEERING SPECIFICATIONS FROM MANUFACTURER THAT PROVE 140 MPH SUSTAINED (150 MPH, 3 SECOND GUST) WINDS LOAD RATING IN ACCORDANCE WITH BUILDING CODE.
3. REFER TO SITE PLAN FOR ANTENNA LOCATIONS.
4. REFER TO DIVISION 27 SPECS FOR ANTENNA AND COMPONENTS.

9 T5.2 TYPICAL 400/700-800 MHZ ANTENNA - EXTERIOR - WALL MOUNTED
NOT TO SCALE

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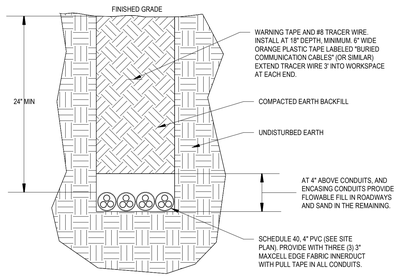
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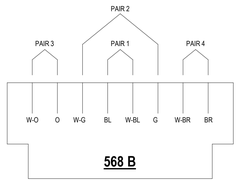
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3 TYPICAL CONDUIT TRENCHING/BORING
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NOTES:

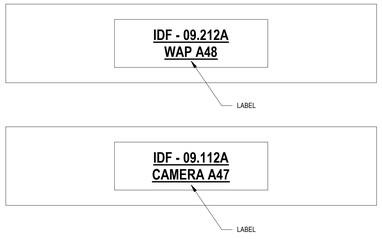
1. RJ45 MODULAR JACK AND PATCH PANEL PORT TERMINATION METHOD 568 "B" ONLY ALL CONFIGURATIONS UNLESS OTHERWISE NOTED.
2. EIGHT (8) - POSITION JACK PIN / PAIR ASSIGNMENTS EIA / TIA - 568B.
3. ALL FOUR (4) PAIR CATEGORY 6A COPPER DATA CABLES SHALL BE TERMINATED IN THIS CONFIGURATION "ONLY".



4 TYPICAL CATEGORY 6A WIRING CONFIGURATION
T5.3 NOT TO SCALE

NOTES:

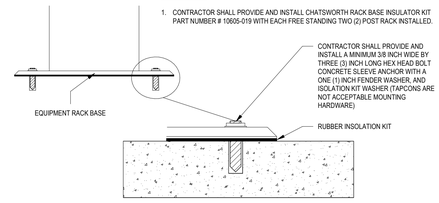
1. INTERIOR CEILING LABEL SPECIFICATIONS FOR WIRELESS ACCESS POINT AND VIDEO SURVEILLANCE CAMERA CATEGORY 6A DATA CABLE AND RJ-45 MODULAR JACK INSTALLATIONS INSTALLED ABOVE CEILING.
2. IDENTIFICATION LABELS TO BE PLACED BELOW FINISHED CEILING ON THE CEILING GRID AT THE EXACT ABOVE CEILING LOCATION OF THESE TERMINATED CATEGORY 6A DATA CABLE AND RJ-45 MODULAR JACK LOCATIONS



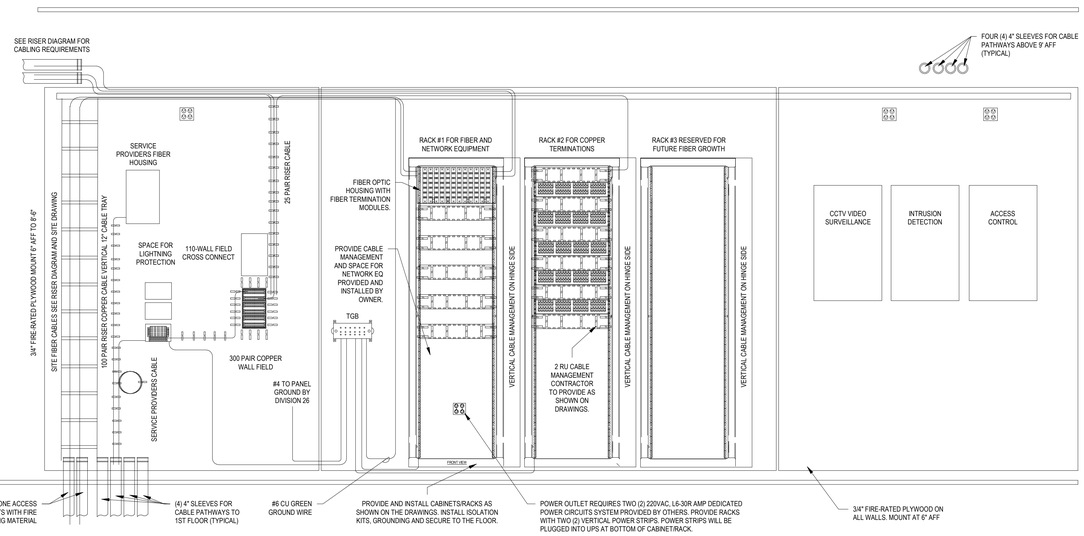
2 TYPICAL ABOVE CEILING LABELS
T5.3 NOT TO SCALE

NOTES:

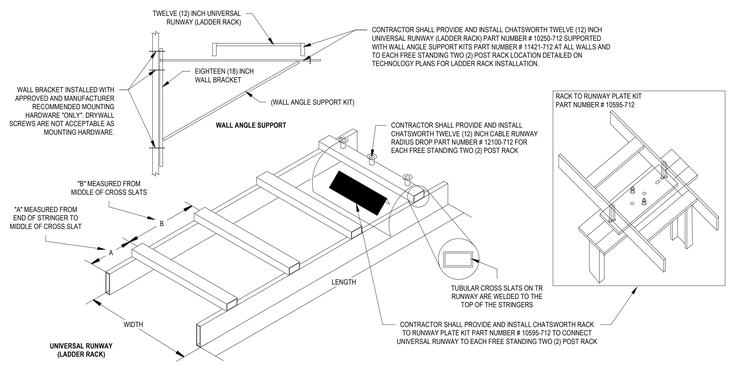
1. CONTRACTOR SHALL PROVIDE AND INSTALL CHATSWORTH RACK BASE INSULATOR KIT PART NUMBER # 10605-019 WITH EACH FREE STANDING TWO (2) POST RACK INSTALLED.



5 TYPICAL TWO POST RACK FLOOR MOUNTING
T5.3 NOT TO SCALE



6 MDF WALL FIELD AND RACK ELEVATIONS DETAIL
T5.3 NOT TO SCALE



7 TYPICAL LADDER RACK
T5.3 NOT TO SCALE

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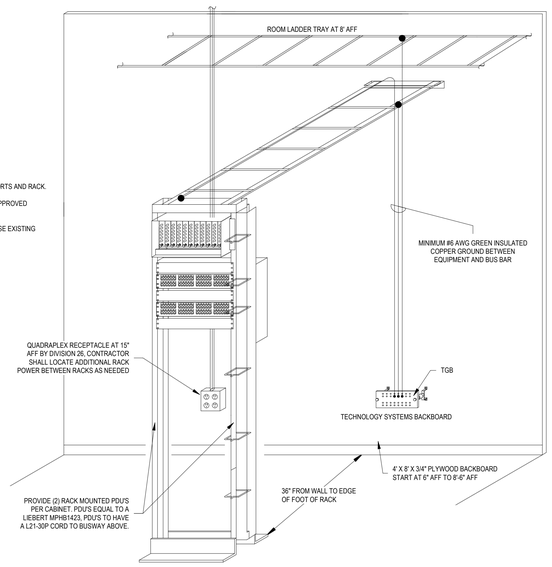
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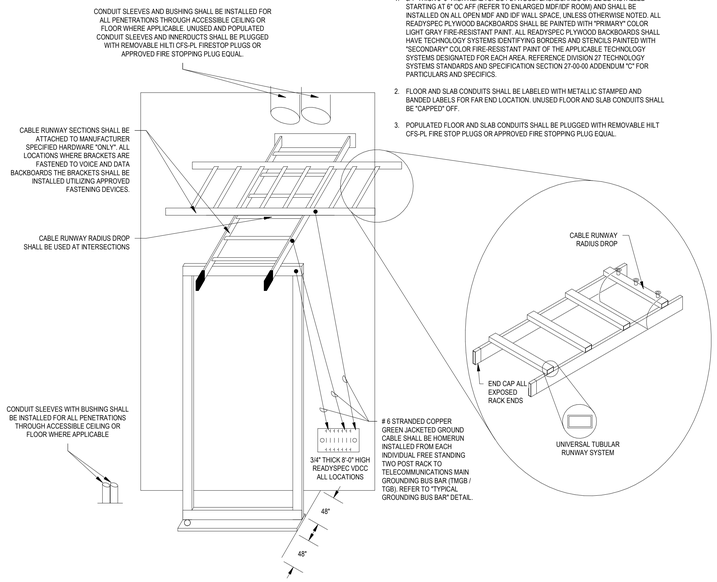
1. TIGHT METAL TO METAL CONTACT BETWEEN TRAY SEGMENTS, SUPPORTS AND RACK.
2. ANCHOR LADDER TRAY WALL BRACKETS WITH TAPCONS OR OTHER APPROVED FASTENERS.
3. DRILL A NEW HOLE IN RACKS FOR ATTACHING GROUND KIT. DO NOT USE EXISTING MOUNTING HOLES.
4. BOLT THROUGH FASTENER.



1 T5.4 TYPICAL TECHNOLOGY TWO POST RACK
NOT TO SCALE

NOTES:

1. 3/4" THICK 8'-0" HIGH READYSPEC PLYWOOD. BACKBOARDS SHALL BE INSTALLED STARTING AT 6" OC AFF (REFER TO ENLARGED MDF/IDF ROOM) AND SHALL BE INSTALLED ON ALL OPEN MDF AND IDF WALL SPACE, UNLESS OTHERWISE NOTED. ALL READYSPEC PLYWOOD BACKBOARDS SHALL BE PAINTED WITH "PRIMARY" COLOR LIGHT GRAY FIRE-RESISTANT PAINT. ALL READYSPEC PLYWOOD BACKBOARDS SHALL HAVE TECHNOLOGY SYSTEMS IDENTIFYING BORDERS AND STENCILS PAINTED WITH "SECONDARY" COLOR FIRE-RESISTANT PAINT OF THE APPLICABLE TECHNOLOGY SYSTEMS DESIGNATED FOR EACH AREA. REFERENCE DIVISION 27 TECHNOLOGY SYSTEMS STANDARDS AND SPECIFICATION SECTION 27-00-00 ADDENDUM "C" FOR PARTICULARS AND SPECIFICS.
2. FLOOR AND SLAB CONDUITS SHALL BE LABELED WITH METALLIC STAMPED AND BANDED LABELS FOR FAR END LOCATION. UNUSED FLOOR AND SLAB CONDUITS SHALL BE "CAPPED" OFF.
3. POPULATED FLOOR AND SLAB CONDUITS SHALL BE PLUGGED WITH REMOVABLE HILT CFS-PL FIRE STOP PLUGS OR APPROVED FIRE STOPPING PLUG EQUAL.



2 T5.4 TYPICAL TWO POST PANEL AND BACKBOARD CONFIGURATION
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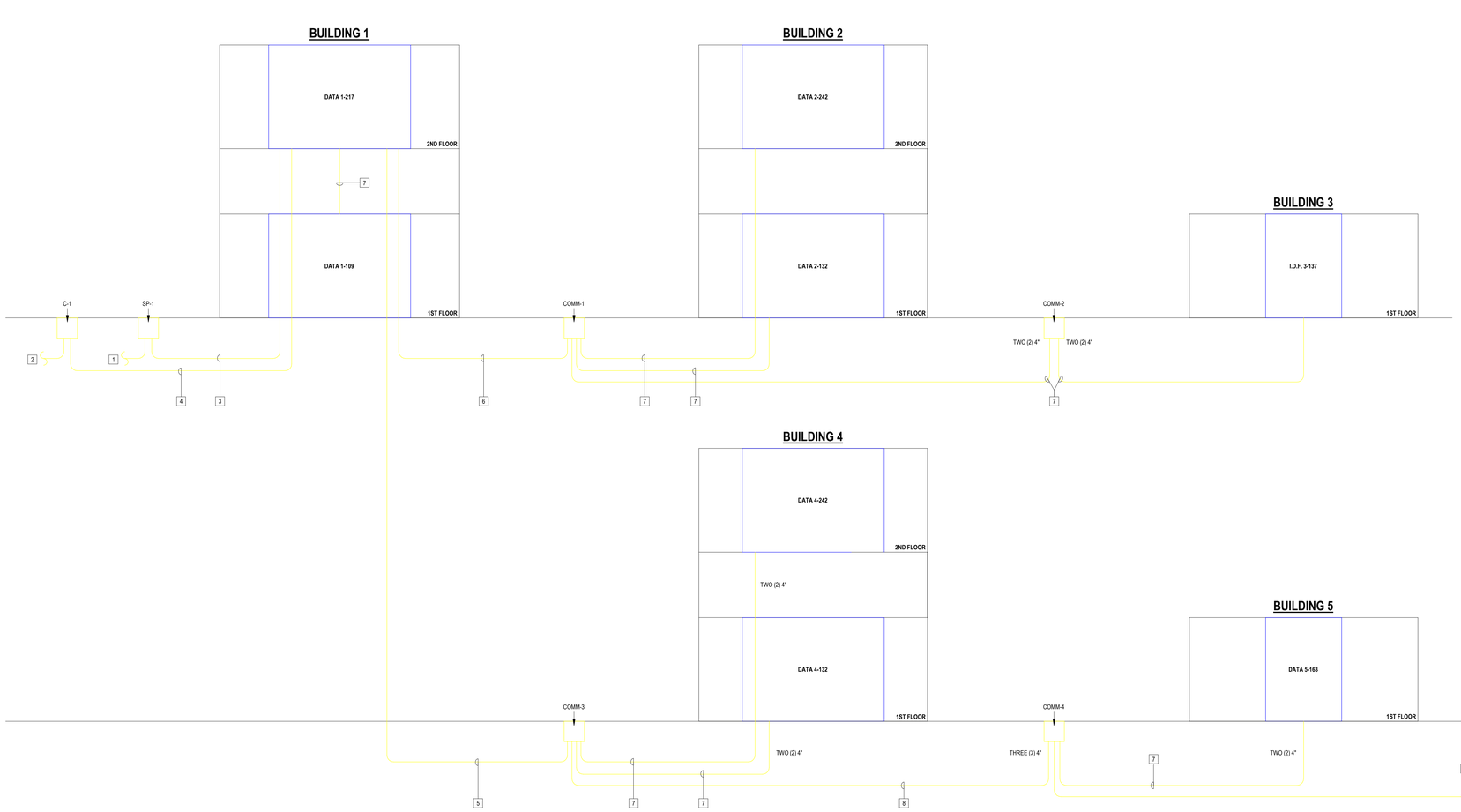
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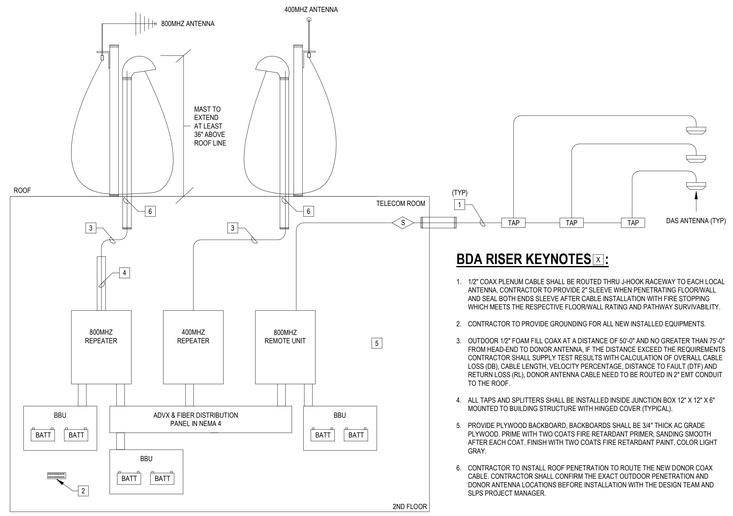
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KEYNOTES [X]:

1. ROUTE ONE (1) 4" SCHEDULE 40 PVC CONDUIT TO EACH SERVICE PROVIDER CONNECTION POINT(S). FIELD VERIFY EXACT LOCATIONS PRIOR TO CONDUIT TRENCHING.
2. ROUTE TWO (2) 4" SCHEDULE 40 PVC CONDUITS TO CITY/COUNTY CONNECTION POINT(S). FIELD VERIFY EXACT LOCATIONS PRIOR TO CONDUIT TRENCHING.
3. THREE (3) 4" SCHEDULE 40 PVC CONDUITS WITH THREE (3) 1" HDPE INNERDUCTS IN EACH CONDUIT CONSISTING OF:
   A. ONE (1) 4" CONDUIT DEDICATED FOR THE INTERNET SERVICE PROVIDER.
   B. ONE (1) 4" CONDUIT DEDICATED FOR THE CATV SERVICE PROVIDER.
   C. ONE (1) 4" CONDUIT SPARE.
4. TWO (2) 4" SCHEDULE 40 PVC CONDUITS WITH THREE (3) 1" HDPE INNERDUCTS IN EACH CONDUIT CONSISTING OF:
   A. ONE (1) 4" CONDUIT DEDICATED FOR THE CITY/COUNTY.
   B. ONE (1) 4" CONDUIT SPARE.
5. THREE (3) 4" SCHEDULE 40 PVC CONDUITS WITH THREE (3) 3" 3-CELL MAXCELL EDGE FABRIC INNERDUCTS IN EACH CONDUIT CONSISTING OF:
   A. ONE (1) 4" CONDUIT WITH FOUR (4) 24-STRAND SM OS2 FIBER.
   B. ONE (1) 4" CONDUIT WITH THREE (3) RG-11 COAX.
   C. ONE (1) 4" CONDUIT SPARE.
6. THREE (3) 4" SCHEDULE 40 PVC CONDUITS WITH THREE (3) 3" 3-CELL MAXCELL EDGE FABRIC INNERDUCTS IN EACH CONDUIT CONSISTING OF:
   A. ONE (1) 4" CONDUIT WITH THREE (3) 24-STRAND SM OS2 FIBER.
   B. ONE (1) 4" CONDUIT WITH THREE (3) RG-11 COAX.
   C. ONE (1) 4" CONDUIT SPARE.
7. TWO (2) 4" SCHEDULE 40 PVC CONDUITS WITH THREE (3) 3" 3-CELL MAXCELL EDGE FABRIC INNERDUCTS IN EACH CONDUIT CONSISTING OF:
   A. ONE (1) 4" CONDUIT WITH ONE (1) 24-STRAND SM OS2 FIBER AND ONE (1) RG-11 COAX.
   B. ONE (1) 4" CONDUIT SPARE.
8. THREE (3) 4" SCHEDULE 40 PVC CONDUITS WITH THREE (3) 3" 3-CELL MAXCELL EDGE FABRIC INNERDUCTS IN EACH CONDUIT CONSISTING OF:
   A. ONE (1) 4" CONDUIT WITH TWO (2) 24-STRAND SM OS2 FIBER.
   B. ONE (1) 4" CONDUIT WITH ONE (1) RG-11 COAX.
   C. ONE (1) 4" CONDUIT SPARE.
9. TWO (2) 4" SCHEDULE 40 PVC CONDUITS WITH THREE (3) 3" 3-CELL MAXCELL EDGE FABRIC INNERDUCTS IN EACH CONDUIT CONSISTING OF:
   A. ONE (1) 4" CONDUIT WITH ONE (1) 24-STRAND SM OS2 FIBER.
   B. ONE (1) 4" CONDUIT SPARE.

1 T6.1 FIBER/CONDUIT RISER DIAGRAM
NOT TO SCALE



BDA RISER KEYNOTES [X]:

1. 1/2" COAX PLENUM CABLE SHALL BE ROUTED THRU J-HOOK RACEWAY TO EACH LOCAL ANTENNA. CONTRACTOR TO PROVIDE 2" SLEEVE WHEN PENETRATING FLOOR/WALL AND SEAL BOTH ENDS SLEEVE AFTER CABLE INSTALLATION WITH FIRE STOPPING WHICH MEETS THE RESPECTIVE FLOOR/WALL RATING AND PATHWAY SURVIVABILITY.
2. CONTRACTOR TO PROVIDE GROUNDING FOR ALL NEW INSTALLED EQUIPMENTS.
3. OUTDOOR 1/2" FOAM FILL COAX AT A DISTANCE OF 50'-0" AND NO GREATER THAN 75'-0" FROM HEAD-END TO DONOR ANTENNA, IF THE DISTANCE EXCEED THE REQUIREMENTS CONTRACTOR SHALL SUPPLY TEST RESULTS WITH CALCULATION OF OVERALL CABLE LOSS (DB), CABLE LENGTH, VELOCITY PERCENTAGE, DISTANCE TO FAULT (DTF) AND RETURN LOSS (RL), DONOR ANTENNA CABLE NEED TO BE ROUTED IN 2" EMT CONDUIT TO THE ROOF.
4. ALL TAPS AND SPLITTERS SHALL BE INSTALLED INSIDE JUNCTION BOX 12" X 12" X 6" MOUNTED TO BUILDING STRUCTURE WITH HINGED COVER (TYPICAL).
5. PROVIDE PLYWOOD BACKBOARD. BACKBOARDS SHALL BE 3/4" THICK AC GRADE PLYWOOD. PRIME WITH TWO COATS FIRE RETARDANT PRIMER. SANDING SMOOTH AFTER EACH COAT. FINISH WITH TWO COATS FIRE RETARDANT PAINT, COLOR LIGHT GRAY.
6. CONTRACTOR TO INSTALL ROOF PENETRATION TO ROUTE THE NEW DONOR COAX CABLE. CONTRACTOR SHALL CONFIRM THE EXACT OUTDOOR PENETRATION AND DONOR ANTENNA LOCATIONS BEFORE INSTALLATION WITH THE DESIGN TEAM AND SLPS PROJECT MANAGER.

2 T6.1 TYPICAL BDA RISER DIAGRAM
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