ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT TO CENTERLINE UNO
	FIRE ALARM SYSTEM	
L	FLASHING LIGHT	80"
L	CHIME/FLASHING LIGHT COMBINATION	80"
F	MANUAL PULL STATION	46"
SD	SMOKE DETECTOR	CEILING
DSD	DUCT-SMOKE DETECTOR (DAMPER) OR (EXHAUST)	
HD	AUTOMATIC HEAT DETECTOR (RATE OF RISE TYPE)	
SDR	SYSTEM CONNECTED SMOKE DETECTOR FOR FIREMAN'S RECALL	CEILING
FSD	FIRE SMOKE DAMPER	
DH	SMOKE DOOR HOLDER	6'-0"
TS	TAMPER SWITCH	
FS	FLOW SWITCH	CEILING
L	FLASHING LIGHT/HORN SIGNAL STATION	80"
L	FLASHING LIGHT SPEAKER SIGNAL STATION	80"
FACP	CONTROL PANEL	
FAA	REMOTE ANNUNCIATOR	
DC	DOOR CONTACTOR	
	MISCELLANEOUS	
RGA	REMOTE GENERATOR ANNUNCIATOR	
CR	CARD READER	
EDS	ELECTRIC DOOR STRIKE	
MDL	MAGNETIC DOOR STRIKE	
RMD	REQUEST TO EXIT MOTION DETECTOR	
RPB	REQUEST TO EXIT PUSH DETECTOR	
	DATA DUPLEX	18"
	ABOVE COUNTER DATA DUPLEX	46"
	WIRELESS ACCESS POINT	CEILING
	TELEPHONE OUTLET	18"
	TELEPHONE DATA OUTLET	18"
PE	PHOTOCELL	
AV	AUDIO/VISUAL CONNECTION	
TV	TV	
EPO	EMERGENCY POWER OFF SWITCH	
KP	KEYPAD	
EC_M	TWO-WAY VOICE COMMUNICATION MASTER STATION	
EC_R	TWO-WAY VOICE COMMUNICATION REMOTE STATION	
	ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR	
AFG	ABOVE FINISHED GRADE	
ABV	MOUNT ABOVE COUNTER	
ABC	ABOVE CEILING	
CLG	CEILING	
EWC	ELECTRIC WATER COOLER	
EM	EMERGENCY	
EX	EXISTING	
RW	ROOM WIZARD	
FBO	FURNISHED BY OTHERS, INSTALLED BY ELECTRICAL CONTRACTOR	
GND	GROUND	
R	RELOCATED	
UON	UNLESS OTHERWISE NOTED	
WH	WATER HEATER	
WP	WEATHER PROOF, NEMA 3R	

SYMBOL	DESCRIPTION	MOUNTING HEIGHT TO CENTERLINE UON
	CONDUIT CONCEALED IN WALL OR CEILING.	
	CONDUIT CONCEALED IN FLOOR	
	CONDUIT EXPOSED ON WALL OR CEILING.	
	HOMERUN CONDUIT	
	CONDUIT TURNING UP	
	CONDUIT TURNING DOWN	
	SURFACE MOUNTED LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
	SURFACE MOUNTED FIXTURE ON EMERGENCY BRANCH CIRCUIT	
	RECESSED LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
	RECESSED LIGHT FIXTURE ON EMERGENCY BRANCH CIRCUIT	
	SURFACE MOUNTED WALL LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
	SURFACE MOUNTED WALL LIGHT FIXTURE ON EMERGENCY BRANCH CIRCUIT	
	RECESSED WALL LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
	RECESSED MOUNTED WALL LIGHT FIXTURE ON EMERGENCY BRANCH CIRCUIT	
	SURFACE/SUSPENDED MOUNTED LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
	SURFACE/SUSPENDED MOUNTED LIGHT FIXTURE ON EMERGENCY BRANCH CIRCUIT	
	RECESSED LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
	RECESSED LIGHT FIXTURE ON EMERGENCY BRANCH CIRCUIT	
	EXIT LIGHT, CEILING MOUNTED	
	EXIT LIGHT, WALL MOUNTED	
	TWO HEAD BATTERY POWERED EMERGENCY EGRESS LIGHT	
EBP	REMOTE EMERGENCY BATTERY PACK	
"5"	LIGHTING FIXTURE TYPE DESIGNATION-SEE LIGHTING FIXTURE SCHEDULE	
	AREA OR STREET LIGHT FIXTURE	
	AREA OR STREET LIGHT FIXTURE	
	DISCONNECT SWITCH, NON-FUSIBLE	
	DISCONNECT SWITCH, FUSIBLE	
3R	DISCONNECT SWITCH, NON-FUSIBLE RT DENOTES NEMA-3R	
3R	DISCONNECT SWITCH, FUSIBLE RT DENOTES NEMA-3R	
	MOTOR CONNECTION WITH APPROXIMATE HORSE-POWER SHOWN	
SV	SOLENOID VALVE	
PS	PRESSURE SWITCH	
R	RELAY	
T	TRANSFORMER	
J	JUNCTION BOX - NOT WALL MOUNTED	
J	JUNCTION BOX - WALL MOUNTED	
PB	PUSH BUTTON	
HH	HAND HOLE	
MH	MAN HOLE	
	ENCLOSED CIRCUIT BREAKER	
PP	POWER POLE	
M/OC	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR	
S	SINGLE POLE SWITCH-(WHITE)	46"
S_2	TWO POLE SWITCH-(WHITE)	46"
S_3	THREE-WAY SWITCH-(WHITE)	46"
S_4	FOUR WAY SWITCH-(WHITE)	46"
S_D	SINGLE POLE DIMMER SWITCH	46"
S_M/S_{OC}	WALL MOUNTED OCCUPANCY SENSOR SWITCH (WHITE)	46"
S_{3D}	THREE-WAY DIMMER SWITCH	46"
S_T	THERMAL MOTOR SWITCH-(FBE)	46"
S_{TWP}	THERMAL MOTOR SWITCH, WEATHERPROOF-(FBE)	46"
S_{TP}	THERMAL MOTOR SWITCH, WITH PILOT LIGHT (FBE)	46"
S_V	LOW VOLTAGE SWITCH	
PP	POWER PACK	
ELC	EMERGENCY LIGHTING CONTROLLER - FUNCTIONAL DEVICES ESRB	
S_{WP}	SINGLE POLE SWITCH, WEATHERPROOF	46"
	20A 120V. DUPLEX RECEPTACLE	18"
	20A 120V. DUPLEX RECEPTACLE ABOVE COUNTER	AS SPECIFIED
E	20A 120V. DUPLEX RECEPTACLE ABOVE COUNTER ON EMERGENCY BRANCH CIRCUIT (RED)	AS SPECIFIED
TV	20A 120V. DUPLEX RECEPTACLE FOR TV POWER	AS NOTED
	✳ 6" TO CENTERLINE BELOW FINISH CEILING	✳
	20A 120V. QUADRAPLEX RECEPTACLE	18"
	SINGLE RECEPTACLE, AMPERAGE, VOLTAGE, NEMA CONFIGURATION AS REQUIRED BY EQUIP. SUPPLIER OR AS NOTED	18"
	20A 120V. QUADRAPLEX RECEPTACLE ABOVE COUNTER	AS SPECIFIED
E	20A 120V. QUADRAPLEX RECEPTACLE ABOVE COUNTER ON EMERGENCY BRANCH CIRCUIT	AS SPECIFIED
GFI	20A GROUND FAULT TYPE RECEPTACLE	AS SPECIFIED
GFWP	20A GROUND FAULT RECEPTACLE WEATHERPROOF	AS SPECIFIED
	TWO GANG FLOOR BOX WITH ONE DUPLEX RECEPTACLE AND ONE DATA OUTLET	FLOOR BOX
	TWO GANG FLOOR BOX WITH ONE QUAD 20A RECEPTACLE AND ONE DATA OUTLET	FLOOR BOX
	TWO GANG FLOOR BOX WITH ONE HARD CONNECTION 20A RECEPTACLE, & ONE DATA OUTLET	FLOOR BOX
	THREE GANG FLOOR BOX WITH TWO DUPLEX 20A RECEPTACLES, & ONE TELEPHONE OUTLET	FLOOR BOX
AV	THREE GANG FLOOR BOX WITH ONE QUAD 20A RECEPTACLE AND ONE DATA OUTLET AND ONE AV CONNECTION	
AV	THREE GANG FLOOR BOX WITH ONE DUPLEX 20A RECEPTACLE AND ONE DATA OUTLET AND ONE AV CONNECTION	
AV	THREE GANG FLOOR BOX WITH ONE HARDWARE CONNECTION AND ONE DATA OUTLET AND ONE AV CONNECTION	
BPI	WALL MOUNTED FURNITURE BASE POWER FEED	
PDM	POWER DISTRIBUTION MODULE	
AFM	ACCESS FLOOR MODULE	
SR	20A DUPLEX RECEPTACLE AND SINGLE POLE SWITCH UNDER COMMON PLATE	
USB	20A 120V. DUPLEX USB TYPE	18"
IG	20A DUPLEX RECEPTACLE, ISOLATED GROUNDING,	18"
IG	20A DUPLEX RECEPTACLE, ISOLATED GROUNDING, INSTALL ABOVE COUNTER	46"
IG	20A QUADRAPLEX RECEPTACLE, ISOLATED GROUNDING	18"
WP	20A WEATHERPROOF DUPLEX RECEPTACLE	
	120V DUPLEX RECEPTACLE, CEILING MOUNTED	CEILING
	FLOOR BOX WITH (1) SINGLE RECEPTACLE - AMPERAGE, VOLTAGE, NEMA CONFIGURATION AS REQUIRED BY EQUIP. SUPPLIER OR AS NOTED	FLOOR BOX
	FLOOR BOX WITH (1) DUPLEX RECEPTACLE	FLOOR BOX
	FLOOR BOX WITH (1) QUADRUPLEX RECEPTACLE	FLOOR BOX
	WIREMOLD #3000 WITH HUBBELL 5352 DUPLEX 20A RECEPTACLES 24" ON CENTER	46"
	PLUGMOLD #2000 WITH 20A DUPLEX RECEPTACLES 24" ON CENTER	46"
	PUSHPAD FOR AUTOMATIC DOORS (F.B.O.)	
	20A DUPLEX RECEPTACLE, SWITCHED	

SYMBOLS GENERAL NOTES:

A. ALL MOUNTING HEIGHTS GIVEN IN THE LEGEND, SCHEDULES, PLANS, AND DRAWING NOTES ARE TO THE CENTERLINE OF THE DEVICE, UNLESS OTHERWISE NOTED.

B. INSTALL ALL SWITCHES AT A CENTERLINE HEIGHT OF 46" A.F.F. UNLESS OTHERWISE NOTED. WHERE SWITCHES OR RECEPTACLES ARE MOUNTED ABOVE CASEWORK OR MILLWORK, LOCATE AT A HEIGHT OF 3'-8" MAX. ABOVE FINISH FLOOR OR 3" ABOVE BACKSPLASH TO CENTERLINE.

C. SEE ARCHITECTURAL MOUNTING HEIGHTS.

D. ADDITIONAL SYMBOLS MAY BE SHOWN OR DENOTED ON OTHER SHEETS.

E. ALL SYMBOLS, NOTES, AND ABBREVIATIONS SHOWN ON THE LEGEND ARE NOT NECESSARILY USED IN THIS SET OF CONTRACT DOCUMENTS.

F. NUMERICAL SUBSCRIPT ADJACENT TO DEVICE FIXTURE, EQUIPMENT OR JUNCTION BOX SYMBOL ON THE DRAWINGS DENOTES THE PANELBOARD CIRCUIT NUMBER TO WHICH DEVICE, FIXTURE, EQUIPMENT OR WIRING IN JUNCTION BOX IS CONNECTED.

Lighting Fixture Schedule

TYPE COMMENTS	MANUFACTURER	MODEL #	LAMP	WATTAGE	DESCRIPTION
'B1'	H.E. WILLIAMS	BP-22-LS-8CS-DIM-UNV_40W_4000K_	LED	42 W	SUSPENDED 2X2 LIGHT FIXTURE
'C1'	H.E. WILLIAMS	AT2-24-L40-840-D-(L35)-DIM1-UNV	LED	34.2 W	2'X4' RECESSED TROFFER
'C2'	H.E. WILLIAMS	AT2-24-L55-840-D-(L52)-DIM-UNV	LED	48 W	2'X4' RECESSED TROFFER
'C3'	H.E. WILLIAMS	AT2-24-L70-4000-D-DIM-UNV	LED	64 W	2'X4' RECESSED TROFFER
'D1'	H.E. WILLIAMS	6DR-TL-L30-4000-DIM-UNV-RW-OF-CS	LED	24 W	RECESSED DOWNLIGHT
'D2'	H.E. WILLIAMS	6DR-TL-L30-4000-DIM-UNV-RM-OF-WH-WET/CC	LED	26.9 W	WET-RATED RECESSED DOWNLIGHT
'E1'	H.E. WILLIAMS	75L-4-L50-840-AF12125-DIM-UNV	LED	43 W	4' SURFACE MOUNTED STRIP LIGHT
'E2'	H.E. WILLIAMS	75W-4-L50-830-DIM-UNV	LED	33.0 W	75W WIDE LENS LED STRIP LUMINAIRE
'E3'	H.E. WILLIAMS	75L-4-L38-840-AF12125-DIM-UNV	LED	33.0 W	75W WIDE LENS LED STRIP LUMINAIRE
'E4'	H.E. WILLIAMS	75W-4-L100-835-HE-DIM-UNV	LED	57 W	SUSPENDED 75W WIDE LENS LED STRIP LUMINAIRE
'HB1'	H.E. WILLIAMS	GH-2-L120-840-FA-(L90)-DIM-UNV	LED	91 W	LED HIGH BAY 2'X2'
'HB4'	H.E. WILLIAMS	GH-4-L300-840-FA-DIM-UNV	LED	216 W	LED HIGH BAY 2'X4'
'HB5'	H.E. WILLIAMS	GH-4-L240-840-FA-(L230)-DIM-UNV	LED	169 W	LED HIGH BAY 2'X4'
'HB6'	H.E. WILLIAMS	GH-2-L180-4000-FA-(L150)-DIM-UNV	LED	102 W	LED HIGH BAY 2'X2'
'HB7'	H.E. WILLIAMS	GH-4-L240-840-FA-(L200)-DIM-UNV	LED	144 W	LED HIGH BAY 2'X4'
'SP1'	SIGNIFY CANADA LTD	OPF-L-A25-750-T4W-480	LED	311 W	SINGLE HEAD LIGHT WITH 30' POLE ON CONCRETE BASE
'SP2'	SIGNIFY CANADA LTD	OPF-L-A25-750-T4W-480	LED	622 W	DUAL HEAD LIGHT WITH 30' POLE ON CONCRETE BASE
'SP3'	SIGNIFY CANADA LTD	OPF-L-A25-750-BLC-480	LED	311 W	SINGLE HEAD LIGHT WITH 30' POLE ON CONCRETE BASE WITH SHEILD
'WP1'	H.E. WILLIAMS	WP1-L44-850	LED	48 W	EXTERIOR WALL PACK LIGHT
'WP2'	GARDCO	GWM-A14-750-T3M	LED	74 W	EXTERIOR WALL PACK
'WP3'	GARDCO	WP150-SCT-G1-10-BZ	LED	140 W	EXTERIOR WALL PACK LIGHT FOR CHILLER YARD
'X1'	H.E. WILLIAMS	EXIT-R-EM-WHT-D	LED	2 W	SINGLE FACE EXIT SIGN
'X2'	H.E. WILLIAMS	EXIT-R-EM-WHT-D	LED	2 W	DOUBLE FACE EXIT SIGN

LIGHTING GENERAL NOTES:

A. UNLESS OTHERWISE NOTED, 277V, 20A/1P BREAKERS SHALL UTILIZE #12 AWG CONDUCTORS. EXCEPTION: WHERE BRANCH CIRCUIT IS IN EXCESS OF 225 LINEAR FEET, CONDUCTORS SHALL BE #10 AWG. EQUIPMENT GROUNDING CONDUCTOR SHALL MATCH PHASE CONDUCTOR FOR 20A/1P CIRCUITS.

B. UNLESS OTHERWISE NOTED, 120V, 20A/1P BREAKERS SHALL UTILIZE #12 AWG CONDUCTORS. EXCEPTION: WHERE BRANCH CIRCUIT IS IN EXCESS OF 125 LINEAR FEET, CONDUCTORS SHALL BE #10 AWG. EQUIPMENT GROUNDING CONDUCTOR SHALL MATCH PHASE CONDUCTOR FOR 20A/1P CIRCUITS.

C. COORDINATE EXACT LOCATIONS OF LIGHTING FIXTURES IN MECHANICAL ROOMS WITH MECHANICAL DUCTWORK AND EQUIPMENT PRIOR TO ROUGH-IN.

D. MAINTAIN A MINIMUM SEPARATION OF 24" BETWEEN CENTERLINE OF ALL LIGHT SWITCHES SET INTO OPPOSITE SIDES OF ALL SOUND ISOLATION WALLS. WHERE ABOVE NOTED CONDITION OCCURS AND REQUIRES A CONDUIT CONNECTION BETWEEN BOXES, UTILIZE FLEXIBLE TYPE CONDUIT.

E. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS DRAWINGS FOR EXACT LOCATION AND ORIENTATION OF SWITCHES.

F. CIRCUIT ALL EXIT SIGNS AND EMERGENCY BALLAST AHEAD OF SWITCHING.

POWER GENERAL NOTES:

A. UNLESS OTHERWISE NOTED, 120V, 20A/1P BREAKERS SHALL UTILIZE #12 AWG CONDUCTORS. EXCEPTION: WHERE BRANCH CIRCUIT IS IN EXCESS OF 125 LINEAR FEET, CONDUCTORS SHALL BE #10 AWG. EQUIPMENT GROUNDING CONDUCTOR SHALL MATCH PHASE CONDUCTOR FOR 20A/1P CIRCUITS.

B. BRANCH CIRCUIT CONDUCTORS SIZED TO PREVENT VOLTAGE DROP MAY BE REDUCED IN SIZE AS LOAD SUPPLIED BY REMAINING CIRCUIT DECREASES. VOLTAGE DROP SHALL NOT EXCEED THREE PERCENT AT THE FARTHEST BRANCH CIRCUITS.

C. MAINTAIN A MINIMUM SEPARATION OF 12" BETWEEN CENTERLINE OF ALL RECEPTACLES SET INTO OPPOSITE SIDES OF ALL SOUND ISOLATION WALLS. WHERE ABOVE NOTED CONDITION OCCURS AND REQUIRES A CONDUIT CONNECTION BETWEEN BOXES, UTILIZE FLEXIBLE TYPE CONDUIT.

D. DEVICES INDICATED ON THIS DRAWINGS ARE DIAGRAMMATICAL ONLY. CONTRACTOR SHALL REFER TO ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF OUTLETS, DEVICES, ETC. PRIOR TO ROUGH-IN.

E. REFERENCE MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF DUCT SMOKE DETECTORS, FIRE/SMOKE DAMPERS AND SMOKE CONTROL DAMPERS.

F. CONTRACTOR TO UPDATE PANEL DIRECTORY UPON COMPLETION. NEW AND REUSED CIRCUITS ARE TO BE DISTINGUISHED FROM EXISTING AND NOT RE-USED CIRCUITS BY THE USE OF A BOLD TYPE FONT.

G. EXTEND RELOCATED MECHANICAL EQUIPMENT CONNECTIONS AS REQUIRED. COORDINATE WITH MECHANICAL CONTRACTOR.

GENERAL SITE NOTES:

A. THE EXISTING UTILITY LOCATIONS ARE SHOWN FOR GENERAL INFORMATION ONLY AND ARE NOT GUARANTEED TO BE EITHER ACCURATE OF ALL INCLUSIVE. PRIOR TO EXCAVATION IN ANY AREA, OBTAIN THE AID OF ALL UTILITY OWNERS TO IDENTIFY AND LOCATE THEIR RESPECTIVE FACILITIES. ANY UTILITY DAMAGE CAUSE BY THE CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED AT NO EXPENSE TO THE OWNER.

B. EXISTING UTILITIES, WHICH ARE NOT SHOWN, THAT ARE DISCOVERED DURING EXCAVATION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR PROPER COORDINATION. REMOVE, REWORK AND/OR REROUTE THE EXISTING UTILITIES, AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

C. CONTRACTOR TO PAY ALL COSTS AND FEES (CAPACITY, TAP, INSPECTION, ETC.) ASSOCIATED WITH UTILITY SERVICES.

FIRE ALARM NOTES:

A. FIRE ALARM SYSTEM SHALL BE ADA COMPLIANT. PROVIDE DEVICES TO MATCH NEW SYSTEM AND WIRE PER FIRE ALARM VENDOR'S REQUIREMENTS. CONTRACTOR SHALL INCLUDE IN BID PRICE ALL FEES REQUIRED BY FIRE ALARM VENDOR FOR PROGRAMMING THE NEW SYSTEM AND NEW HARDWARE FOR THE ADDITIONS SHOWN AND ALL OTHER WORK REQUIRED BY VENDOR. CONTACT AND COORDINATE FEES WITH VENDOR PRIOR TO BID.

B. CONTRACTOR SHALL MEET WITH THE VENDOR ON SITE PRIOR TO THE START OF ANY CONSTRUCTION TO VERIFY AND DOCUMENT SYSTEM FUNCTION AND STATUS. CONTRACTOR TO MAKE ARRANGEMENTS WITH FIRE ALARM CONTRACTOR FOR PROPER DISCONNECTION OF SYSTEMS AFFECTED BY CONSTRUCTION. CONTRACTOR SHALL NOT DISCONNECT ANY SYSTEM WITHOUT FIRE ALARM CONTRACTOR PRESENT.

C. PROVIDE ALL NECESSARY HARDWARE AND SOFTWARE, 24 HOUR BATTERY BACKUP, ETC. AS REQUIRED FOR THE INTENDED INSTALLATION.

D. ALL NEW FIRE ALARM SYSTEM MODIFICATIONS AND INSTALLATIONS SHALL BE PROVIDED OR SUPERVISED BY FIRE ALARM VENDOR. THE ELECTRICAL CONTRACTORS BID PRICE SHALL INCLUDE ALL FEES, DEVICES, WIRE, CONDUIT, LABOR, MATERIAL, AND EQUIPMENT TO PROVIDE THE INTENDED INSTALLATION AS INDICATED ON THE DRAWINGS AND THESE NOTES.

E. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND FIRE ALARM INSTALLER TO CONFIRM ALL WIRING CONDITIONS IN REGARDS TO THE NEW FIRE ALARM SYSTEM AS RELATED TO THIS PROJECT PRIOR TO BIDDING THE PROJECT.

F. THE FIRE ALARM SUPPLIER SHALL PROVIDE A COMPLETE SET OF INSTALLATION DRAWINGS TO THE CONTRACTOR. THESE DRAWINGS SHALL BE INCLUSIVE OF FLOOR PLANS, RISER DIAGRAMS, DEVICE CONNECTIONS, ETC.

G. REFER TO THE FLOOR PLANS FOR THE EXACT NUMBER AND TYPE OF DEVICES REQUIRED. ANY CONDUIT AND WIRE ROUTING SHOWN ON THE DRAWINGS SHALL BE MODIFIED, CHANGED, ADDED OR DELETED AS NECESSARY.

H. THE CONTRACTOR SHALL PROVIDE ALL FIRE ALARM SYSTEM WIRING AS RECOMMENDED AND DIRECTED BY THE SYSTEM SUPPLIER OR MANUFACTURER AND IN ACCORDANCE WITH ALL CODES AND STANDARDS. ALL FIRE ALARM SYSTEM WIRING SHALL BE INSTALLED IN CONDUIT OR SHALL BE PLENUM-RATED.

I. FIRE ALARM INSTALLER SHALL PROVIDE COMPLETE RECORD DRAWINGS OF THE NEW AND EXISTING FIRE ALARM SYSTEM INSTALLATION WITHIN THE AREA SHOWN ON THE PLANS AND HEADED EQUIPMENT. THE RECORD DRAWINGS SHALL REFLECT ALL DEVICES LOCATIONS AND WIRE/CONDUIT RUNS AS WELL AS FIRE ALARM PANEL AND ANNUNCIATOR MODIFICATIONS.

J. ALL FIRE ALARM SYSTEM SMOKE DETECTORS, HEATERS, OTHER DEVICES, ETC. SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE UL LISTING REQUIREMENTS OF THE DEVICES.

K. GIVEN THE INITIATION OF ANY PULL STATION, SMOKE OR HEAT DETECTOR A SIGNAL SHALL BE SENT TO THE FACP AND THE HORN AND STROBE DEVICES SHALL BE INITIATED TO SIGNAL A BUILDING EVACUATION IN ACCORDANCE WITH LOCAL REQUIREMENTS.

L. THE FIRE ALARM INSTALLER SHALL TEST ALL STROBE, HORN, AND WIRING THAT WILL BE AFFECTED BY THIS PROJECT PRIOR TO BEGINNING ANY WORK. ANY PROBLEMS SHALL BE MADE KNOWN TO THE OWNER. AFTER THIS PROJECT IS COMPLETE THE FIRE ALARM INSTALLER SHALL TEST ALL STROBE, SPEAKER CIRCUITS, WIRING, AND ALL PROGRAMMING AFFECTED BY THIS PROJECT.

M. THE FIRE ALARM SUPPLIER SHALL PROVIDE ALL NECESSARY BATTERY CALCULATIONS. PROVIDE ADDITIONAL BATTERY CAPACITY AS REQUIRED TO SUPPORT DEVICES SHOWN.

FIRE ALARM/SYSTEMS GENERAL NOTES:

A. DEVICES INDICATED ON THIS DRAWINGS ARE DIAGRAMMATICAL ONLY. CONTRACTOR SHALL REFER TO ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF OUTLETS, FIRE ALARM DEVICES, ETC. PRIOR TO ROUGH-IN.

B. COMMUNICATIONS/SYSTEMS CONDUITS 2" DIAMETER AND LARGER SHALL HAVE A BEND RADIUS OF NO LESS THAN 10 TIMES THE CONDUIT DIAMETER.

C. REFERENCE PLUMBING DRAWINGS FOR EXACT LOCATIONS OF PRE-ACTION SPRINKLER ZONES AND QUANTITIES OF TAMPER AND FLOW SWITCHES.

D. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL FSD AND DSD LOCATIONS WITH MECHANICAL PLANS. LOCATIONS SHOWN ON THIS PLAN ARE FOR DIAGRAMMATICAL PURPOSES AND MAY NOT REPRESENT ALL LOCATIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CIRCUITRY TO ALL FSD'S. FSD'S SHALL BE CONNECTED TO THE LIFE SAFETY BRANCH PANELS. NO MORE THAN FOURTEEN FSD'S PER 20A/1P CIRCUIT.

E. REFERENCE MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF DUCT SMOKE DETECTORS, FIRE/SMOKE DAMPERS AND SMOKE CONTROL DAMPERS.

F. ELECTRICAL CONTRACTOR SHALL INSTALL AN EMERGENCY RESPONDER RADIO COVERAGE SYSTEM IN THE BUILDING TO PROVIDE ADEQUATE RADIO COVERAGE THROUOUT THE FACILITY. THE SYSTEM SHALL BE TESTED UPON FINAL BUILDOUT WITH THE FIRE MARSHALL PRESENT TO CONFIRM ADEQUATE RADIO COVERAGE INSIDE THE FACILITY.

Salas O'Brien
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PROFESSIONAL SEAL

This item has been electronically signed and sealed by Charles W. Farnham, P.E. using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. 2026.09.21

CHARLES W. FARNHAM LICENSE No 53653 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Charles W. Farnham

NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

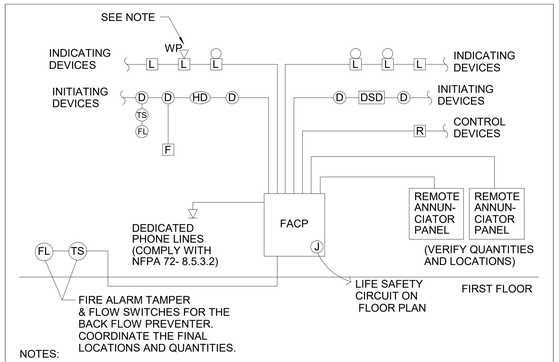
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SHEET TITLE

LEGEND AND GENERAL NOTES SHEET

SHEET NUMBER
BLDG1-EJ001



NOTES:

1. PROVIDE BUILDING MAP AT THE FACP LOCATIONS AND ANNUNCIATOR THAT INDICATES ZONES AND DEVICES.
2. PROVIDE WEATHERPROOF DEVICES WHERE SHOWN OR AS REQUIRED BASED ON THE LOCATION OF THE DEVICE.
3. RECORD AND SHOP DRAWINGS SHALL INDICATE EXACT ROUTING AND LOCATIONS OF ALL DEVICES, CONDUITS (TYPES AND SIZES), CONDUCTORS (TYPES AND SIZES) AND ALL PERTINENT INSTALLATION INFORMATION.
4. USE FINAL ACTUAL ROOMS NAMES AND NUMBERS BASED IN THE INSTALLATION OF SIGNAGEAND NOT THE ARCHITECTURAL ROOM NAMES WHEN PROGRAMMING THE FINAL SYSTEM.

FIRE ALARM RISER DIAGRAM
(TYPICAL INSTALLATION REPRESENTED)

FIRE ALARM RISER DIAGRAM

No Scale

9

	SYSTEM INPUTS	CONTROL UNIT ANNUNCIATION											NOTIFICATION									FIRE SAFETY CONTROL													
	SYSTEM OUTPUTS	ACTUATE COMMON ALARM (SINGAL) INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE COMMON TROUBLE SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICTOR	ACTUATE APPROPRIATE LOCATION INDICTOR	ACTUATE ALL AUDIBLE EVACUATION SIGNALS	ACTUATE ALL VISIBLE EVACUATION SIGNALS	DISPLAY CHANGE OF STATUS	TRANSMIT ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	RELEASE MAGNETICALLY HELD SMOKE DOORS	UNLOCK SECURITY DOORS	RELEASE ELEVATOR DOORS	ELEVATOR SHUNT TRIP	ALL FLOOR ELEVATOR RECALL	ELEVATOR FLOOR RECALL	ELEVATOR SHUTDOWN	FAN SHUTDOWN	FAN RESTART/PURGE	DAMPER SHUT DOWN	REMOTE TROUBLE DISPLAY	ACTIVE STATUS							
	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	Z							
1	SMOKE SENSOR/DETECTOR	●	●					●			●	●	●				●	●							●	●	●		1						
2	MANUAL PULL STATION	●	●					●			●	●	●														●		2						
3	HEAT SENSOR/DETECTOR	●	●					●			●	●	●														●		3						
4	DUCT SENSOR/DETECTOR AHU1			●	●			●				●		●											●		●		4						
5	DUCT SENSOR/DAMPER			●	●			●				●		●												●	●		5						
6	WATERFLOW SWITCH	●	●					●		●	●	●	●			●	●										●		6						
7	TAMPER SWITCH			●	●			●				●		●													●		7						
8	GENERATOR RUNNING			●	●			●				●		●													●		8						
9	GENERATOR FAULT					●	●	●				●				●											●		9						
10	FIRE ALARM AC POWER FAILURE					●	●					●				●		●		●							●		10						
11	FIRE ALARM SYSTEM LOW BATTERY					●	●					●				●											●		11						
12	OPEN CIRCUIT OR GROUND FAULT					●	●					●				●											●		12						
13	CLASS B NOTIFICATION CIRCUIT (NAC) - SHORT					●	●					●				●											●		13						
14																													14						
		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	Z							

FIRE ALARM SEQUENCE OF OPERATION

No Scale

1

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BUILDING 1

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AUBURNDALE, FL 33823

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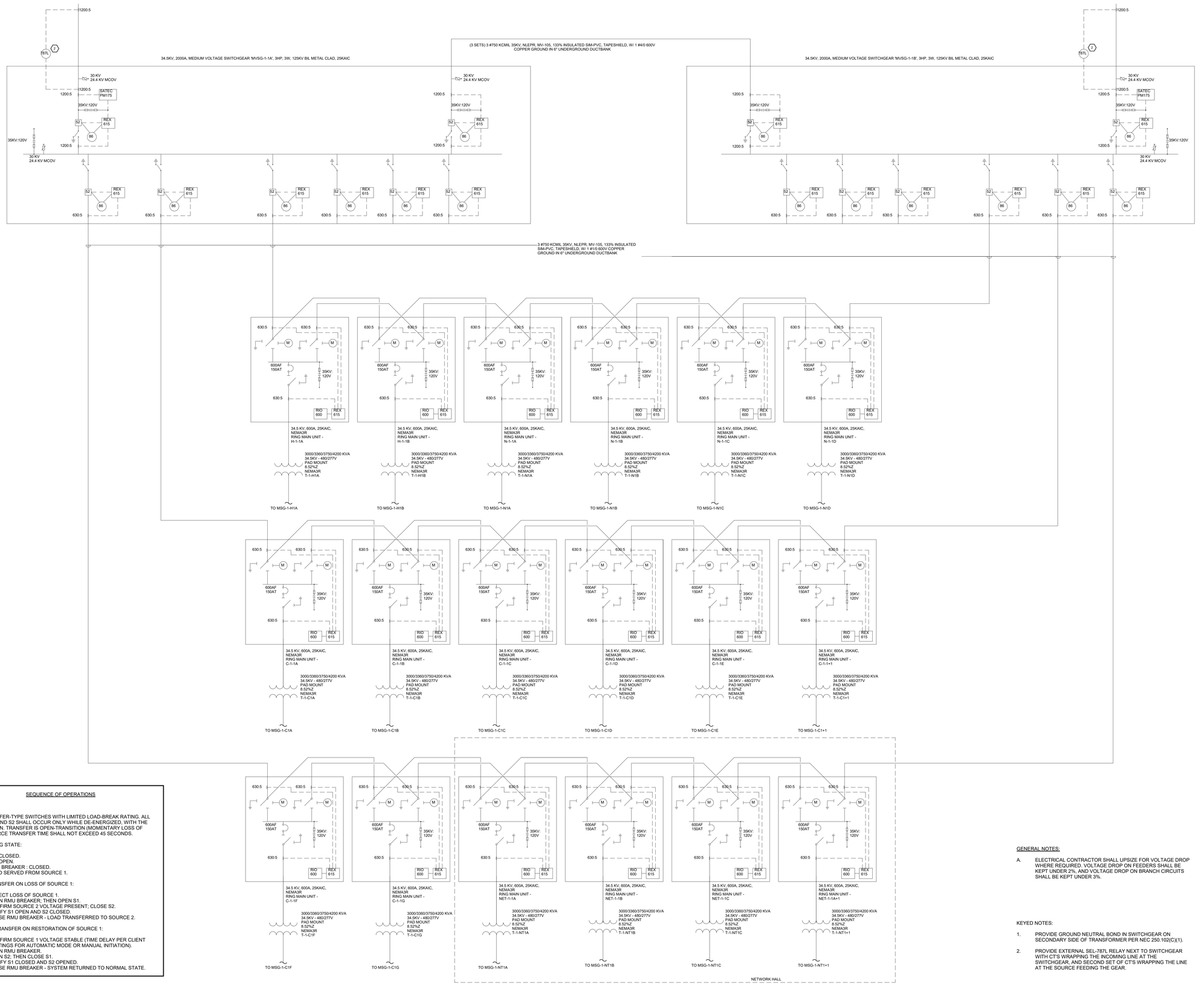
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SHEET TITLE

FIRE ALARM RISER DIAGRAM

SHEET NUMBER

BLDG1-EJ002



SEQUENCE OF OPERATIONS

GENERAL:

S1 AND S2 ARE PUFFER-TYPE SWITCHES WITH LIMITED LOAD-BREAK RATING. ALL SWITCHING OF S1 AND S2 SHALL OCCUR ONLY WHILE DE-ENERGIZED, WITH THE RMU BREAKER OPEN. TRANSFER IS OPEN-TRANSITION (MOMENTARY LOSS OF LOAD). TOTAL SOURCE TRANSFER TIME SHALL NOT EXCEED 45 SECONDS.

NORMAL OPERATING STATE:

- S1 : CLOSED.
- S2 : OPEN.
- RMU BREAKER : CLOSED.
- LOAD SERVED FROM SOURCE 1.

SEQUENCE 1 - TRANSFER ON LOSS OF SOURCE 1:

1. DETECT LOSS OF SOURCE 1.
2. OPEN RMU BREAKER; THEN OPEN S1.
3. CONFIRM SOURCE 2 VOLTAGE PRESENT; CLOSE S2.
4. VERIFY S1 OPEN AND S2 CLOSED.
5. CLOSE RMU BREAKER - LOAD TRANSFERRED TO SOURCE 2.

SEQUENCE 2 - RETRANSFER ON RESTORATION OF SOURCE 1:

1. CONFIRM SOURCE 1 VOLTAGE STABLE (TIME DELAY PER CLIENT SETTINGS FOR AUTOMATIC MODE OR MANUAL INITIATION).
2. OPEN RMU BREAKER.
3. CONFIRM S2; THEN CLOSE S1.
4. VERIFY S1 CLOSED AND S2 OPENED.
5. CLOSE RMU BREAKER - SYSTEM RETURNED TO NORMAL STATE.

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).
2. PROVIDE EXTERNAL SEL-787L RELAY NEXT TO SWITCHGEAR WITH CT'S WRAPPING THE INCOMING LINE AT THE SWITCHGEAR, AND SECOND SET OF CT'S WRAPPING THE LINE AT THE SOURCE FEEDING THE GEAR.

1 MV ONE-LINE DIAGRAM - MVSG-1-1A & MVSG-1-1B
SCALE: 1/8" = 1'-0"

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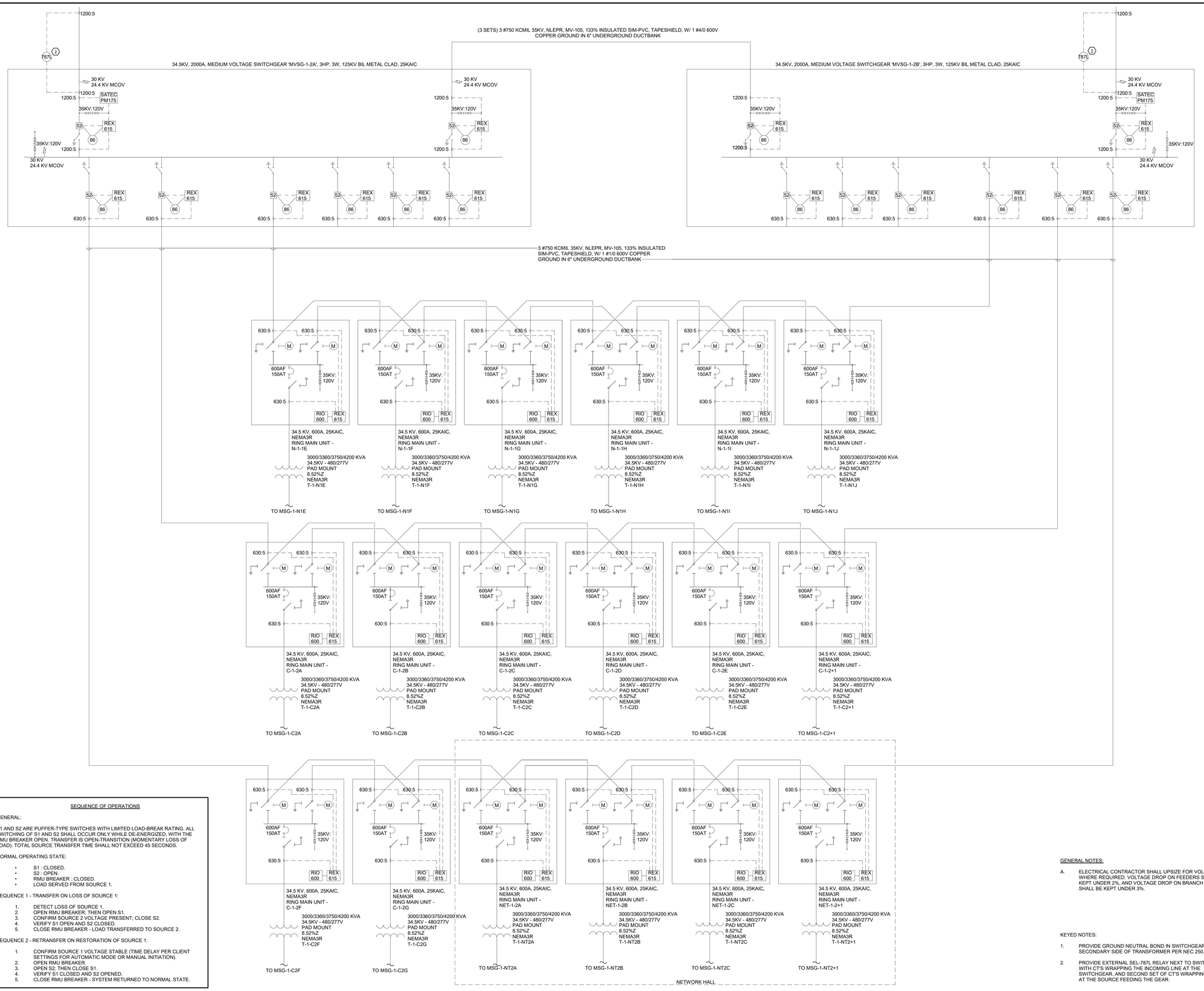
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SHEET TITLE

MV ONE-LINE DIAGRAM - MVSG-1-1A & MVSG-1-1B

SHEET NUMBER
BLDG1-EJ601



SEQUENCE OF OPERATIONS

GENERAL:

S1 AND S2 ARE PUFFER-TYPE SWITCHES WITH LIMITED LOAD-BREAK RATING. ALL SWITCHING OF S1 AND S2 SHALL OCCUR ONLY WHILE DE-ENERGIZED, WITH THE RMU BREAKER OPEN. TRANSFER IS OPEN-TRANSITION (MOMENTARY LOSS OF LOAD). TOTAL SOURCE TRANSFER TIME SHALL NOT EXCEED 45 SECONDS.

NORMAL OPERATING STATE:

- S1 : CLOSED.
- S2 : OPEN.
- RMU BREAKER : CLOSED.
- LOAD SERVED FROM SOURCE 1.

SEQUENCE 1 - TRANSFER ON LOSS OF SOURCE 1:

1. DETECT LOSS OF SOURCE 1.
2. OPEN RMU BREAKER; THEN OPEN S1.
3. CONFIRM SOURCE 2 VOLTAGE PRESENT; CLOSE S2.
4. VERIFY S1 OPEN AND S2 CLOSED.
5. CLOSE RMU BREAKER - LOAD TRANSFERRED TO SOURCE 2.

SEQUENCE 2 - RETRANSFER ON RESTORATION OF SOURCE 1:

1. CONFIRM SOURCE 1 VOLTAGE STABLE (TIME DELAY PER CLIENT SETTINGS FOR AUTOMATIC MODE OR MANUAL INITIATION).
2. OPEN RMU BREAKER.
3. OPEN S2; THEN CLOSE S1.
4. VERIFY S1 CLOSED AND S2 OPENED.
5. CLOSE RMU BREAKER - SYSTEM RETURNED TO NORMAL STATE.

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).
2. PROVIDE EXTERNAL SEL-787L RELAY NEXT TO SWITCHGEAR WITH CT'S WRAPPING THE INCOMING LINE AT THE SWITCHGEAR, AND SECOND SET OF CT'S WRAPPING THE LINE AT THE SOURCE FEEDING THE GEAR.

1 MV ONE-LINE DIAGRAM - MVSG-1-2A & MVSG-1-2B

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

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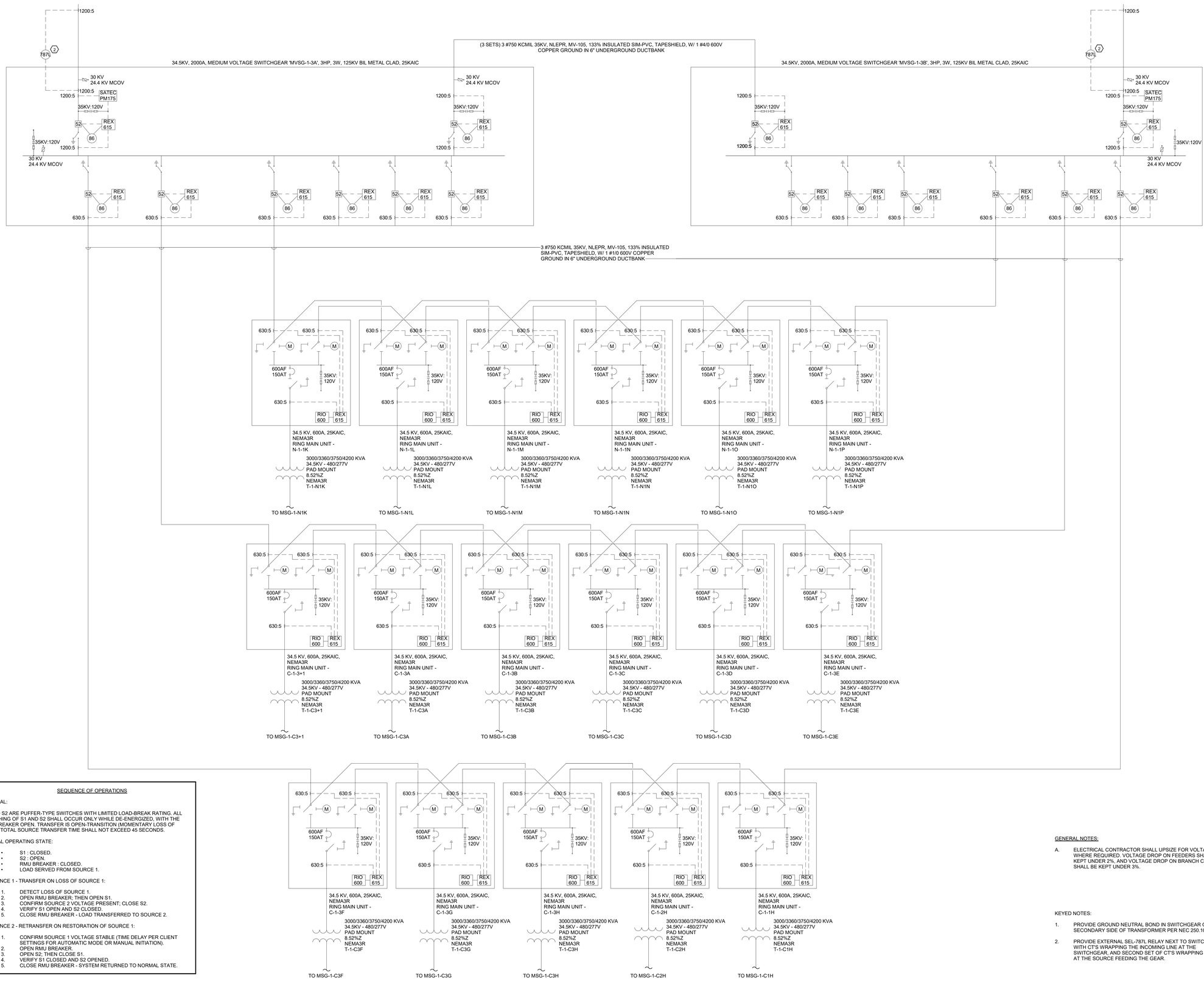
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SHEET TITLE

MV ONE-LINE DIAGRAM - MVSG-1-2A & MVSG-1-2B

SHEET NUMBER

BLDG1-EJ602



SEQUENCE OF OPERATIONS

GENERAL:

S1 AND S2 ARE PUFFER-TYPE SWITCHES WITH LIMITED LOAD-BREAK RATING. ALL SWITCHING OF S1 AND S2 SHALL OCCUR ONLY WHILE DE-ENERGIZED, WITH THE RMU BREAKER OPEN. TRANSFER IS OPEN-TRANSITION (MOMENTARY LOSS OF LOAD). TOTAL SOURCE TRANSFER TIME SHALL NOT EXCEED 45 SECONDS.

NORMAL OPERATING STATE:

- S1 : CLOSED.
- S2 : OPEN.
- RMU BREAKER : CLOSED.
- LOAD SERVED FROM SOURCE 1.

SEQUENCE 1 - TRANSFER ON LOSS OF SOURCE 1:

1. DETECT LOSS OF SOURCE 1.
2. OPEN RMU BREAKER, THEN OPEN S1.
3. CONFIRM SOURCE 2 VOLTAGE PRESENT; CLOSE S2.
4. VERIFY S1 OPEN AND S2 CLOSED.
5. CLOSE RMU BREAKER - LOAD TRANSFERRED TO SOURCE 2.

SEQUENCE 2 - RETRANSFER ON RESTORATION OF SOURCE 1:

1. CONFIRM SOURCE 1 VOLTAGE STABLE (TIME DELAY PER CLIENT SETTINGS FOR AUTOMATIC MODE OR MANUAL INITIATION).
2. OPEN RMU BREAKER.
3. OPEN S2; THEN CLOSE S1.
4. VERIFY S1 CLOSED AND S2 OPENED.
5. CLOSE RMU BREAKER - SYSTEM RETURNED TO NORMAL STATE.

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).
2. PROVIDE EXTERNAL SEL-787L RELAY NEXT TO SWITCHGEAR WITH CT'S WRAPPING THE INCOMING LINE AT THE SWITCHGEAR, AND SECOND SET OF CT'S WRAPPING THE LINE AT THE SOURCE FEEDING THE GEAR.

1 MV ONE-LINE DIAGRAM - MVSG-1-3A & MVSG-1-3B
SCALE: 1/8" = 1'-0"

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SHEET TITLE

MV ONE-LINE DIAGRAM - MVSG-1-3A & MVSG-1-3B

SHEET NUMBER
BLDG1-EJ603

(TYPICAL OF NETWORK HALLS 1 AND 2, THE 'X' IN NAMING CONVENTION IS EITHER A 1 OR 2)



1 NETWORK HALL - ONE LINE DIAGRAM
SCALE: 1" = 1'-0"

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).
2. 2.15 × OD SPACING BETWEEN BUNDLES = APPROX. 2.37" (BASED ON 600 KCMIL AL CONDUCTOR OD).

CABLE TRAY FILL USING SINGLE CONDUCTOR (1/C) TYPE CONDUCTOR

CABLE TRAY NOTES

A. EACH BUNDLE CONSISTS OF (3) 600KCMIL AL PHASE CONDUCTORS, (1) 600KCMIL AL NEUTRAL, AND (1) 350KCMIL CU GROUND.

B. CONDUCTOR AMPACITY IS BASED ON NEC TABLE 310.15(B)(17) FOR CONDUCTORS IN FREE AIR PER NEC 392.80(A)(2) FOR SINGLE CONDUCTORS IN VENTILATED CABLE TRAY.

C. DERATING OF SINGLE CONDUCTORS INSTALLED IN CABLE TRAY IS NOT REQUIRED WHERE BUNDLES ARE INSTALLED WITH A MINIMUM SPACING OF 2.15 TIMES THE OUTER DIAMETER (OD) OF THE LARGEST CONDUCTOR IN THE TRAY, PER NEC 392.80(A)(2)(D). CONTRACTOR SHALL MAINTAIN THIS SPACING THROUGHOUT THE ENTIRE LENGTH OF THE TRAY SYSTEM TO AVOID AMPACITY DERATING.

D. CABLE TRAY STACKING AND BUNDLE CONFIGURATION IS CRITICAL FOR AMPACITY. DEVIATION FROM THIS CONFIGURATION SHALL REQUIRE ENGINEER APPROVAL AND AMPACITY REVIEW.

E. CABLES SHALL BE INSTALLED IN DESIGNATED BUNDLE CONFIGURATION AS SHOWN IN DETAIL, WITH CONDUCTORS TOUCHING BUT NOT OVERLAPPING.

F. PROVIDE CABLE CLEATS/RESTRAINTS FOR SINGLE CONDUCTORS IN CABLE TRAY NOT EXCEEDING 6 FEET OR AS REQUIRED FOR SHORT-CIRCUIT RESTRAINT IN ACCORDANCE WITH NEC 392.

G. CLEATS SHALL BE SIZED USING THE PROJECT FAULT STUDY PEAK MOMENTARY CURRENT AT THE TRAY LOCATION AND THE ACTUAL CABLE OUTER DIAMETER. CALCULATED ELECTRODYNAMIC FORCE PER INTERVAL SHALL NOT EXCEED THE CERTIFIED SHORT-CIRCUIT MECHANICAL CAPACITY OF THE SELECTED CLEAT/RESTRAINT SYSTEM.

H. CABLE LAYOUT SHOWN IS REPRESENTATIVE. FINAL FIELD ROUTING SHALL MAINTAIN SPACING AND STACKING AS SHOWN.

I. PROVIDE CLEATING/SHORT-CIRCUIT BRACING CALCULATION IF CONTRACTOR INSTALLS SINGLE CONDUCTORS (1/C) IN PARALLEL. CALCULATION IS NOT REQUIRED IF MULTI-CONDUCTOR CABLES (MC, TC, TC-ER, TRAY-RATED, ETC.) ARE INSTALLED IN CABLE TRAY.

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SHEET TITLE

CRITICAL ONE-LINE DIAGRAM - NETWORK HALL

SHEET NUMBER
BLDG1-EJ610

(TYPICAL OF DATA HALLS 1, 2 AND 3 THE 'X' IN NAMING CONVENTION IS EITHER A 1 OR 2)

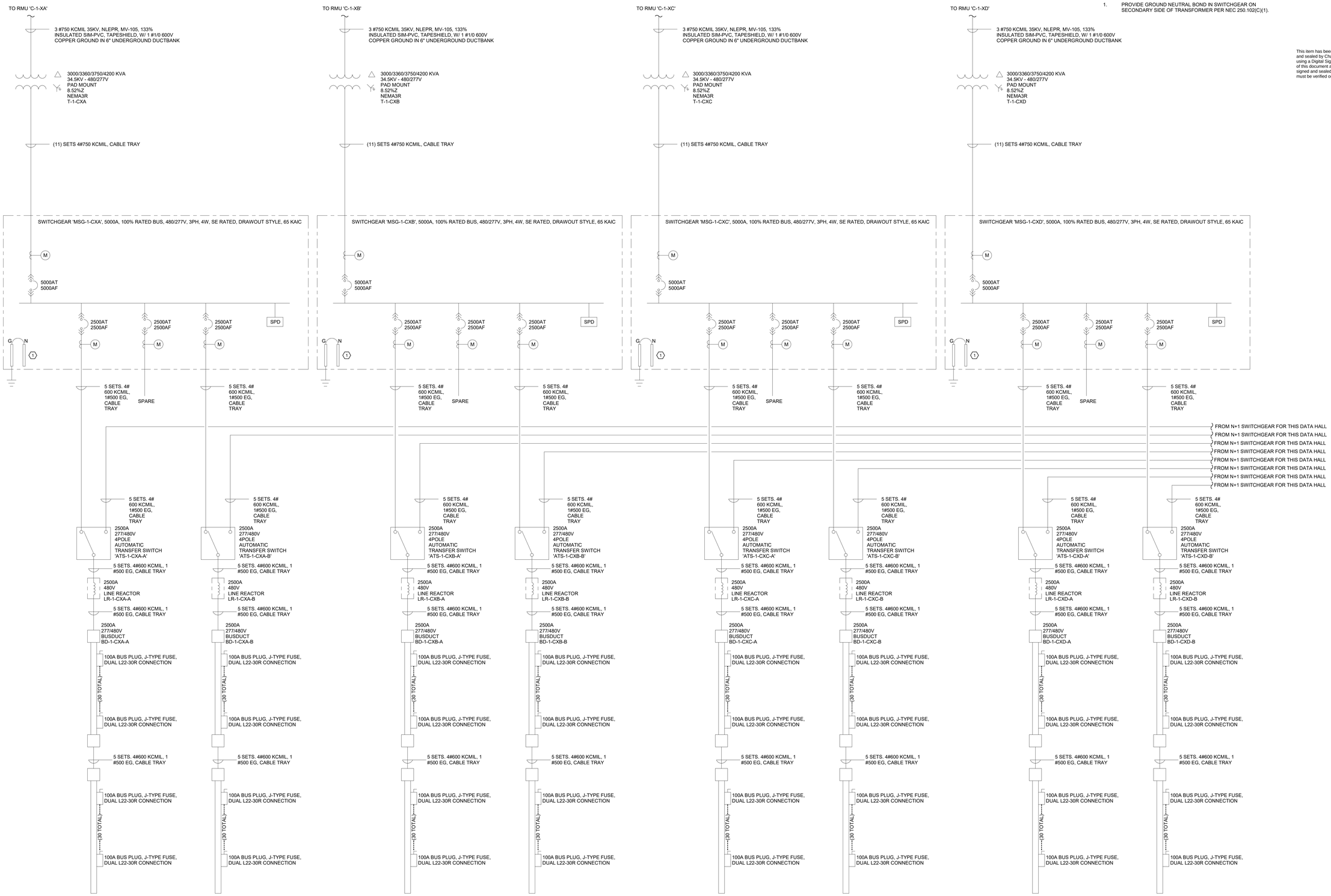
GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

B. REFER TO CABLE TRAY FILL USING SINGLE CONDUCTOR DETAIL ON SHEET EJ610 FOR CABLE ROUTING IN CABLE TRAY.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).



1 DATA HALL - ONE LINE DIAGRAM (A - D)

SCALE: 1" = 1'-0"

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SHEET TITLE

CRITICAL ONE-LINE DIAGRAM - DATA HALLS

SHEET NUMBER

BLDG1-EJ611

(TYPICAL OF DATA HALLS 1, 2 AND 3 THE 'X' IN NAMING CONVENTION IS EITHER A 1 OR 2)

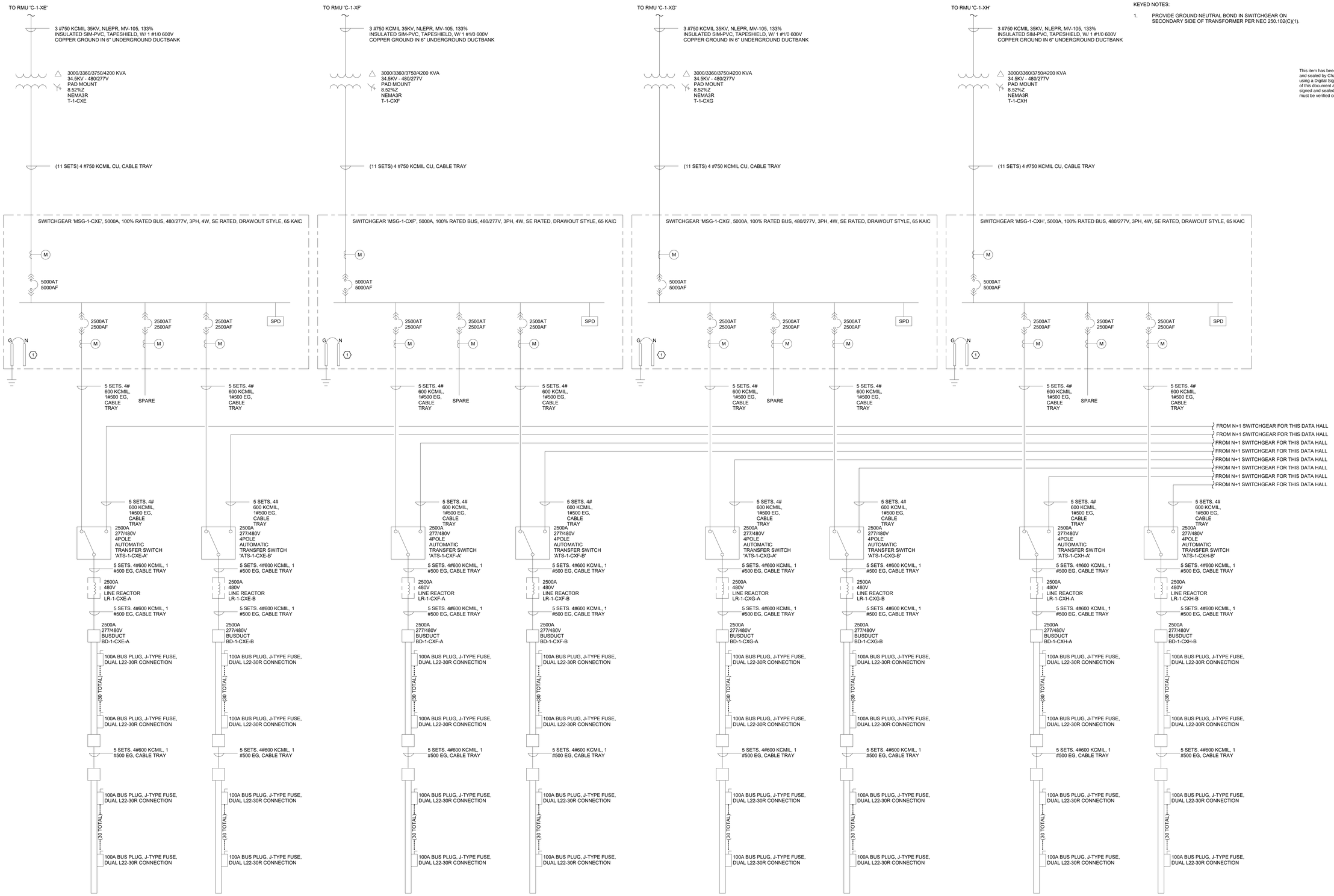
GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

B. REFER TO CABLE TRAY FILL USING SINGLE CONDUCTOR DETAIL ON SHEET EJ610 FOR CABLE ROUTING IN CABLE TRAY.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).



1 DATA HALL - ONE LINE DIAGRAM (E - H)
SCALE: 1" = 1'-0"

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SHEET TITLE

CRITICAL ONE-LINE DIAGRAM - DATA HALLS

SHEET NUMBER
BLDG1-EJ612

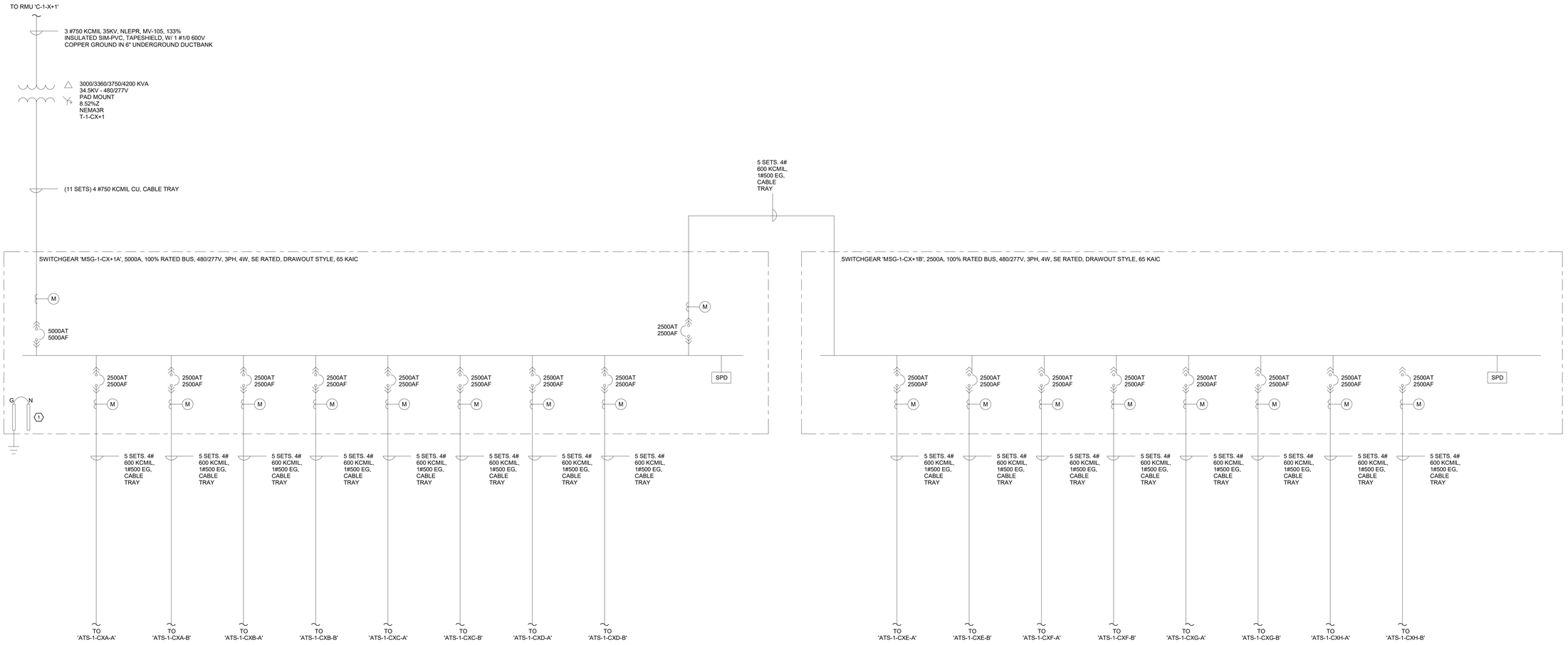
GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

B. REFER TO CABLE TRAY FILL USING SINGLE CONDUCTOR DETAIL ON SHEET EJ610 FOR CABLE ROUTING IN CABLE TRAY.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).



1 DATA HALL - ONE LINE DIAGRAM (N+1)

SCALE: 1" = 1'-0"

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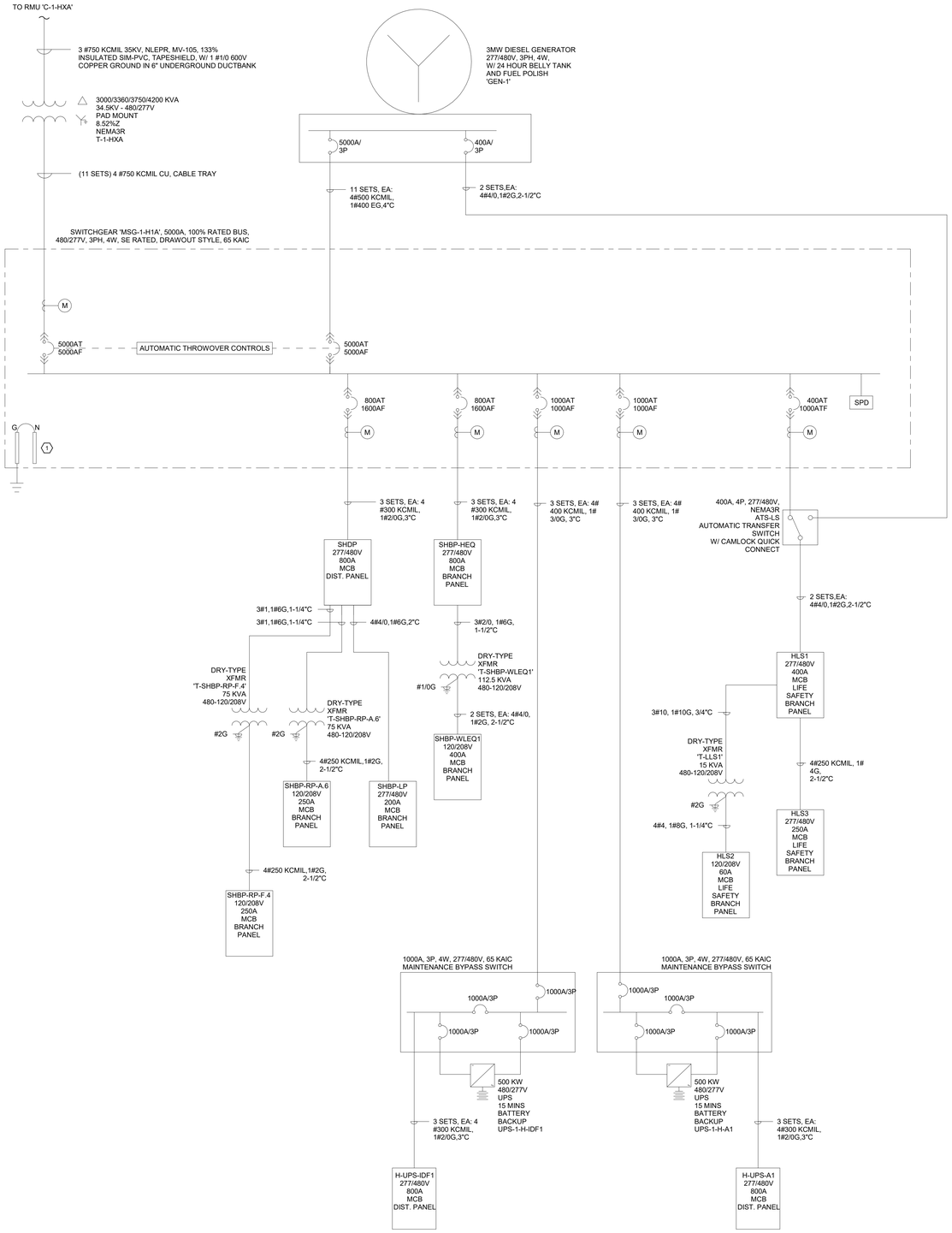
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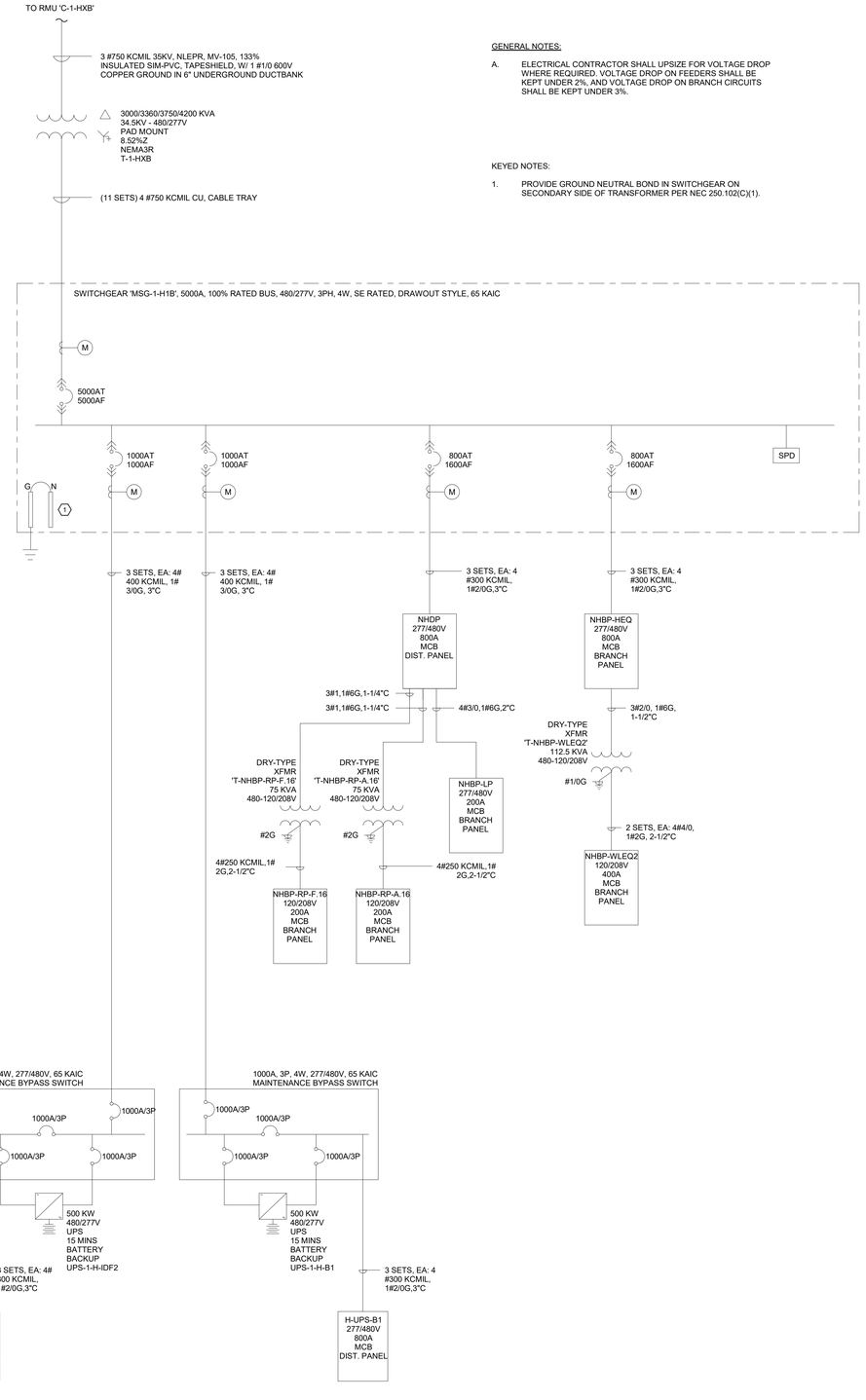
SHEET TITLE

CRITICAL ONE-LINE DIAGRAM - DATA HALLS

SHEET NUMBER

BLDG1-EJ613





GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).

1 HOUSE POWER - ONE LINE DIAGRAM

SCALE: 1" = 1'-0"

Salas O'Brien

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2950 Kraft Drive
Nashville, TN 37204

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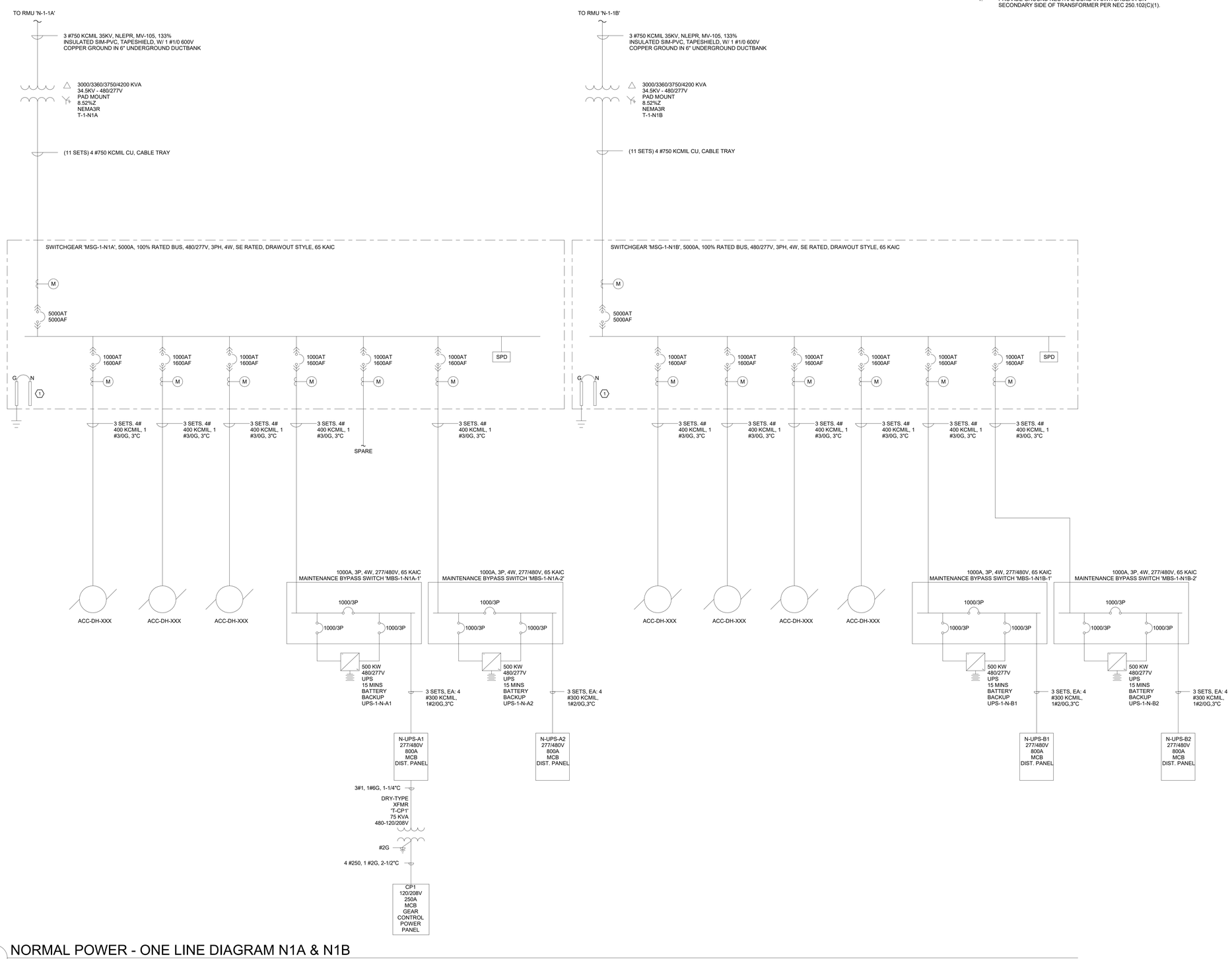
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SHEET TITLE

HOUSE POWER
ONE-LINE DIAGRAM

SHEET NUMBER
BLDG1-EJ620



1 NORMAL POWER - ONE LINE DIAGRAM N1A & N1B

SCALE: 1" = 1'-0"

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).

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SHEET TITLE

NORMAL POWER
ONE-LINE DIAGRAM

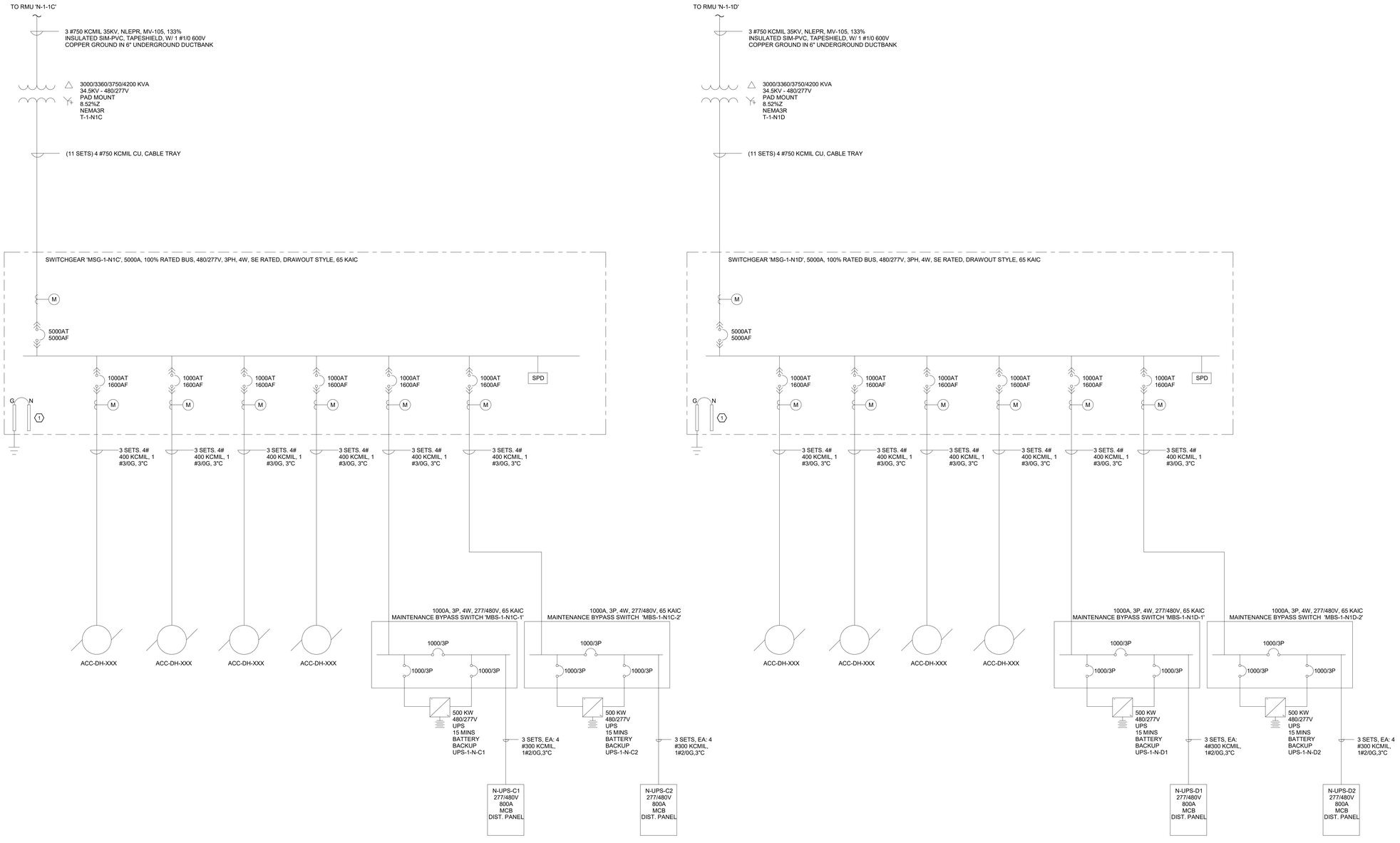
SHEET NUMBER
BLDG1-EJ630

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).



1 NORMAL POWER - ONE LINE DIAGRAM N1C & N1D

SCALE: 1" = 1'-0"

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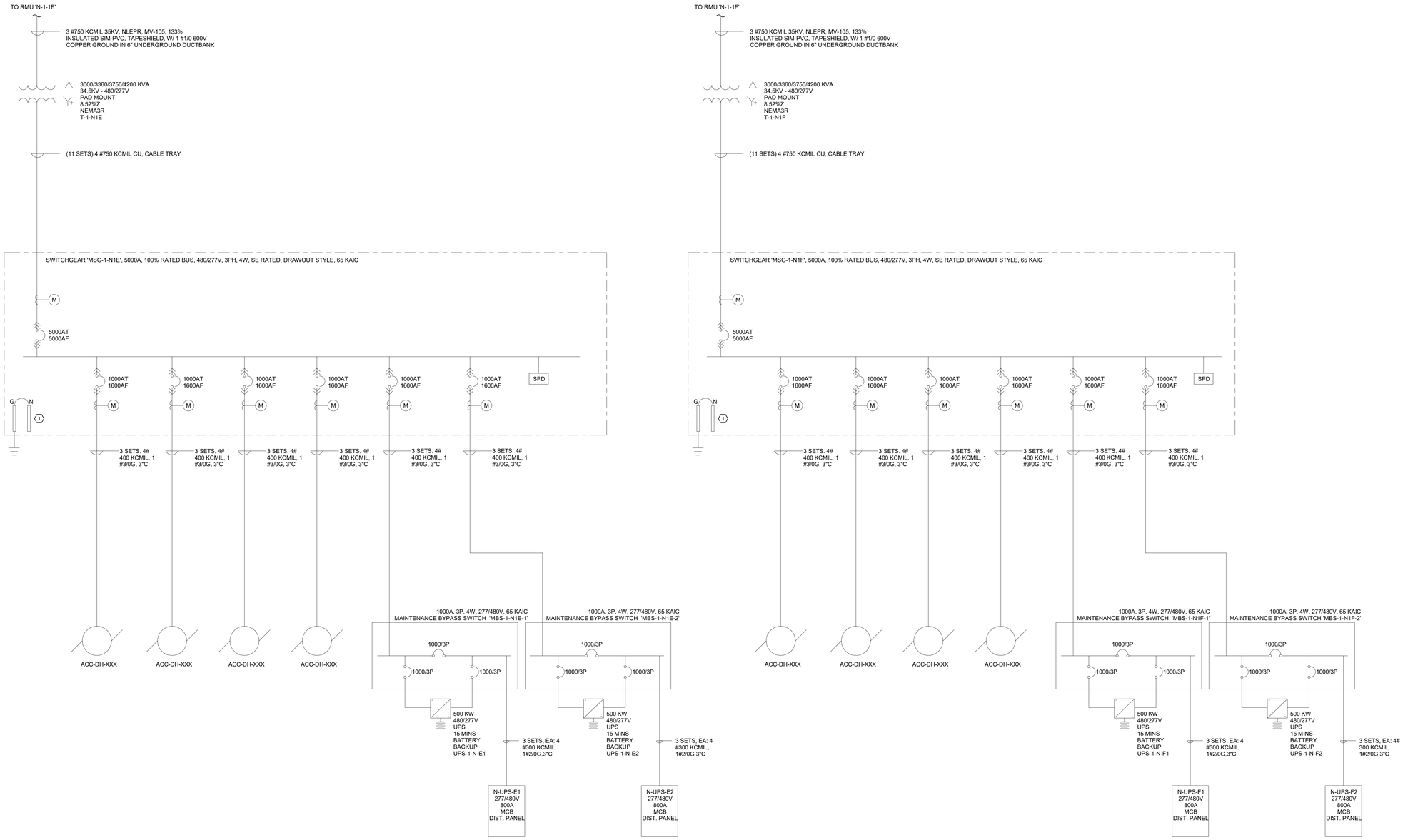
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SHEET TITLE

NORMAL POWER
ONE-LINE DIAGRAM

SHEET NUMBER

BLDG1-EJ631



1 NORMAL POWER - ONE LINE DIAGRAM N1E & N1F

SCALE: 1" = 1'-0"

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).

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SHEET TITLE

NORMAL POWER
ONE-LINE DIAGRAM

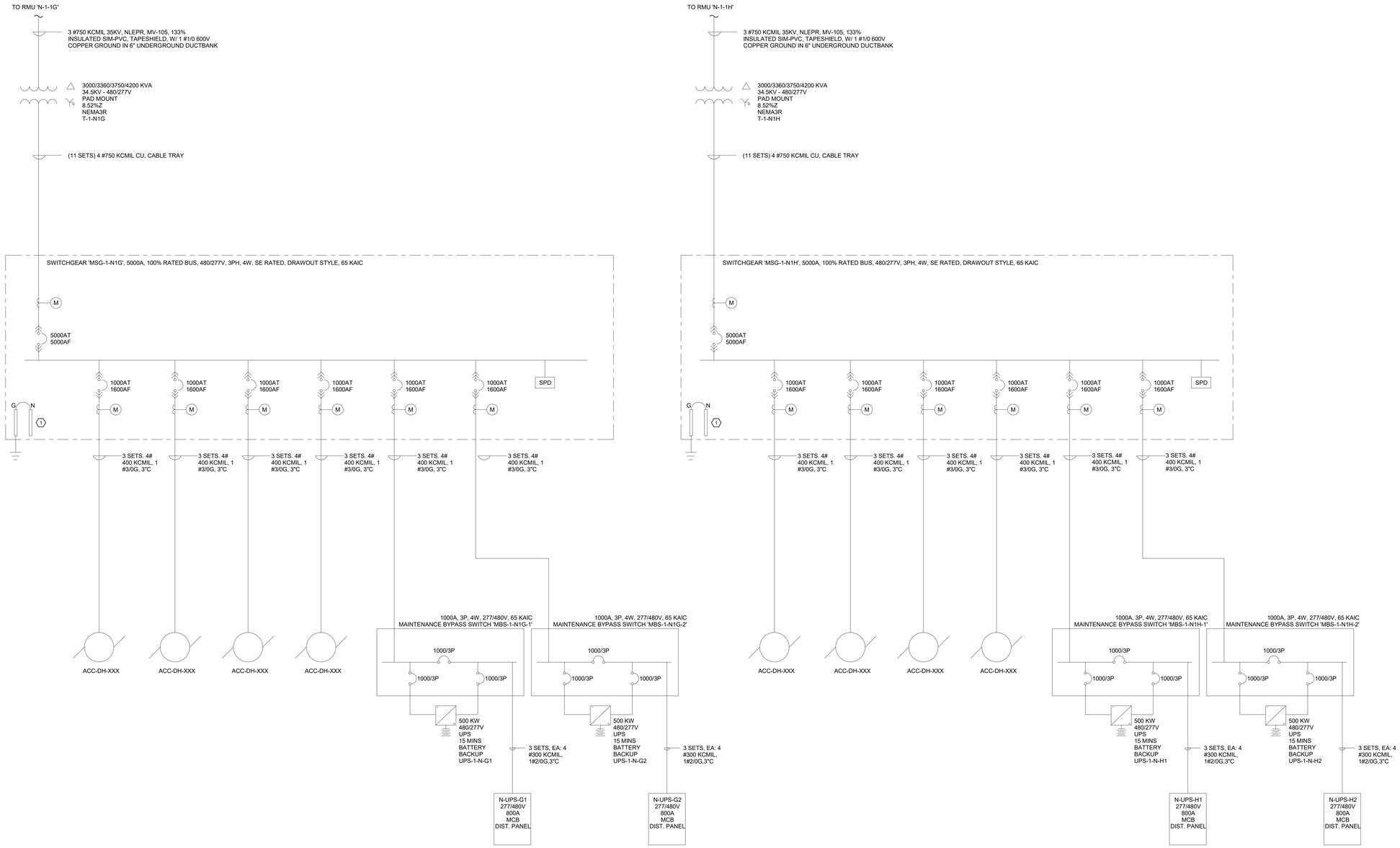
SHEET NUMBER
BLDG1-EJ632

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).



1 NORMAL POWER - ONE LINE DIAGRAM N1G & N1H

SCALE: 1" = 1'-0"

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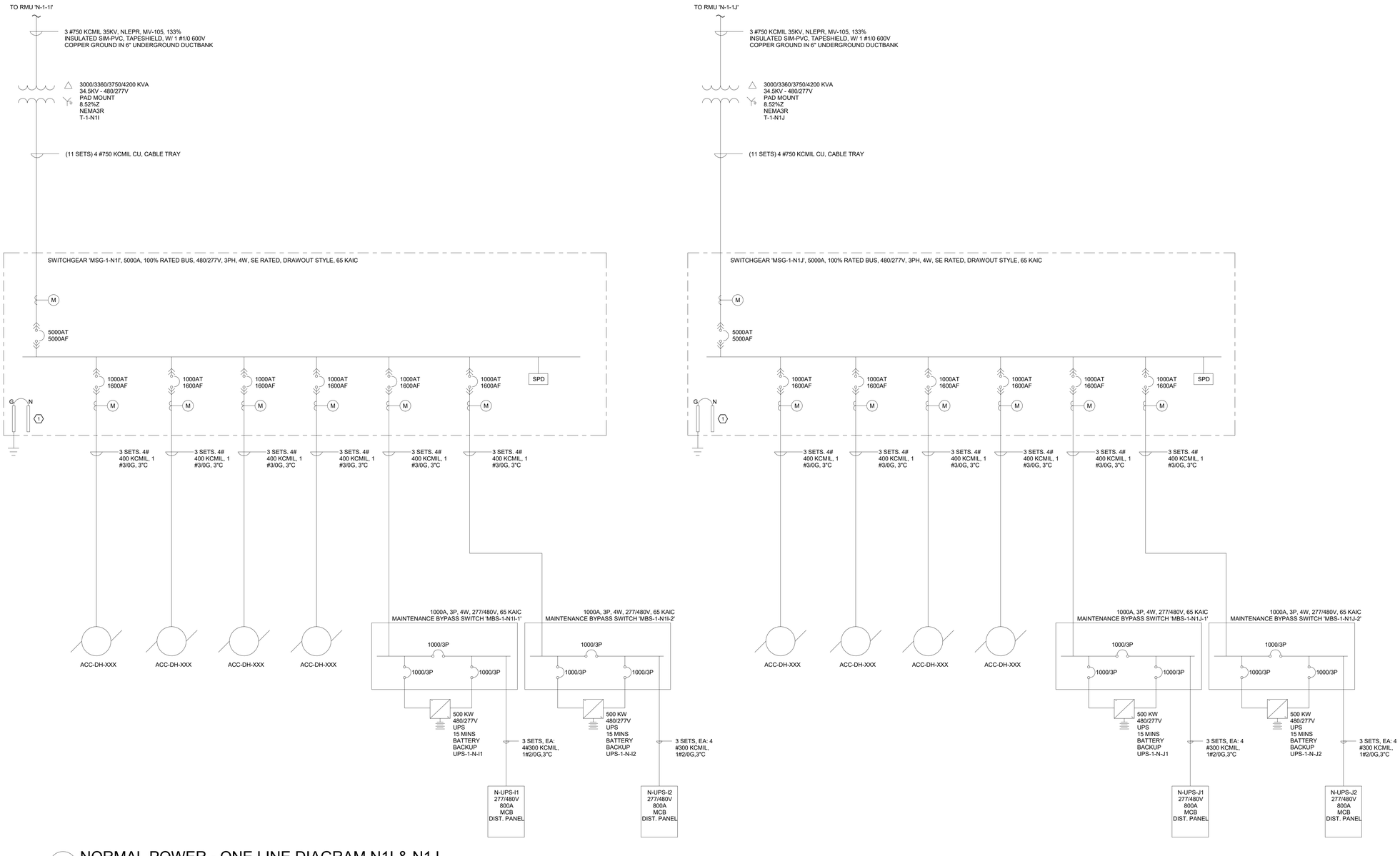
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SHEET TITLE

NORMAL POWER ONE-LINE DIAGRAM

SHEET NUMBER

BLDG1-EJ633



1 NORMAL POWER - ONE LINE DIAGRAM N1I & N1J

SCALE: 1" = 1'-0"

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).

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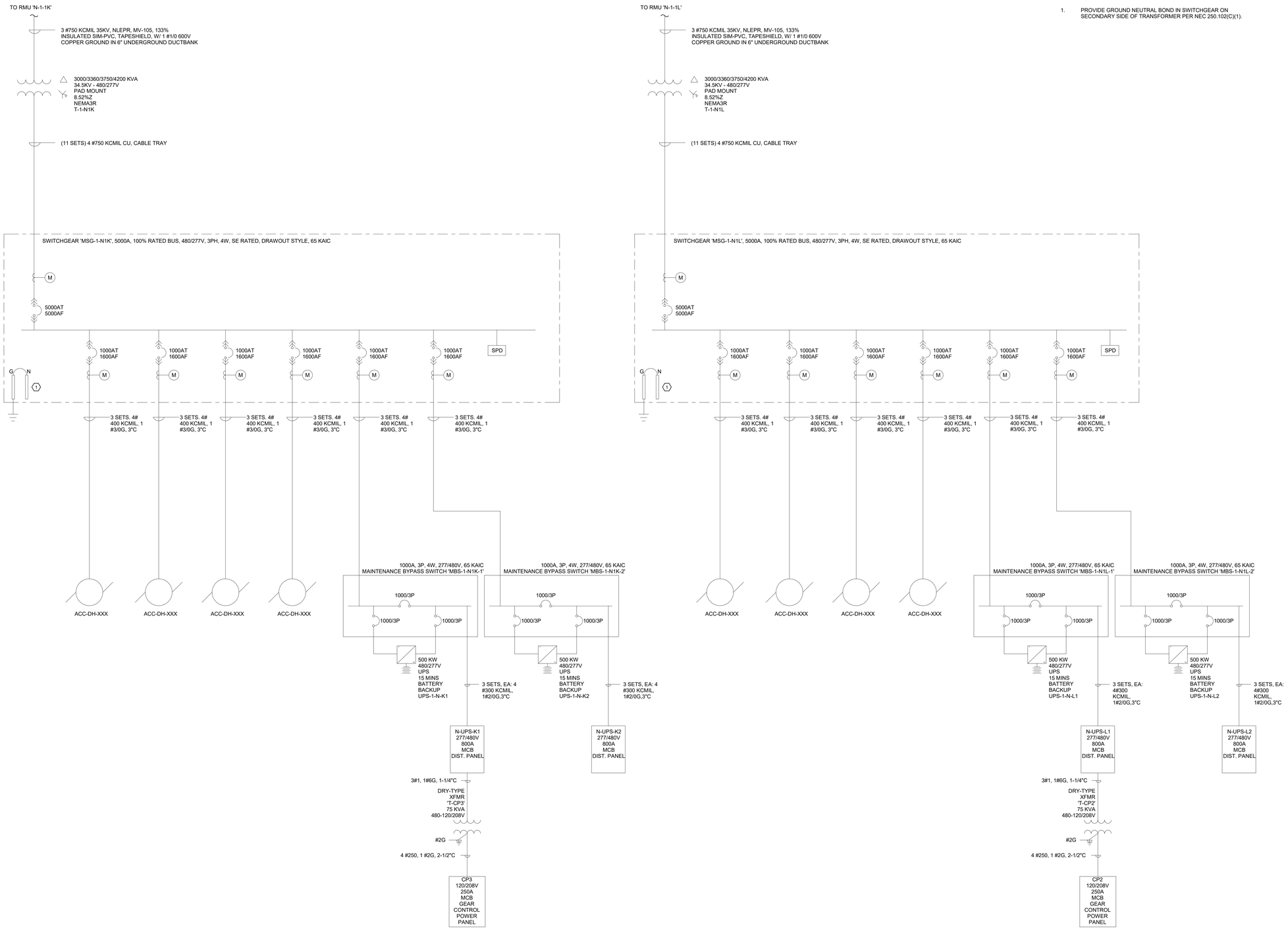
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SHEET TITLE

NORMAL POWER
ONE-LINE DIAGRAM

SHEET NUMBER
BLDG1-EJ634



1 NORMAL POWER - ONE LINE DIAGRAM N1K & N1L

SCALE: 1" = 1'-0"

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).

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SHEET TITLE

NORMAL POWER ONE-LINE DIAGRAM

SHEET NUMBER

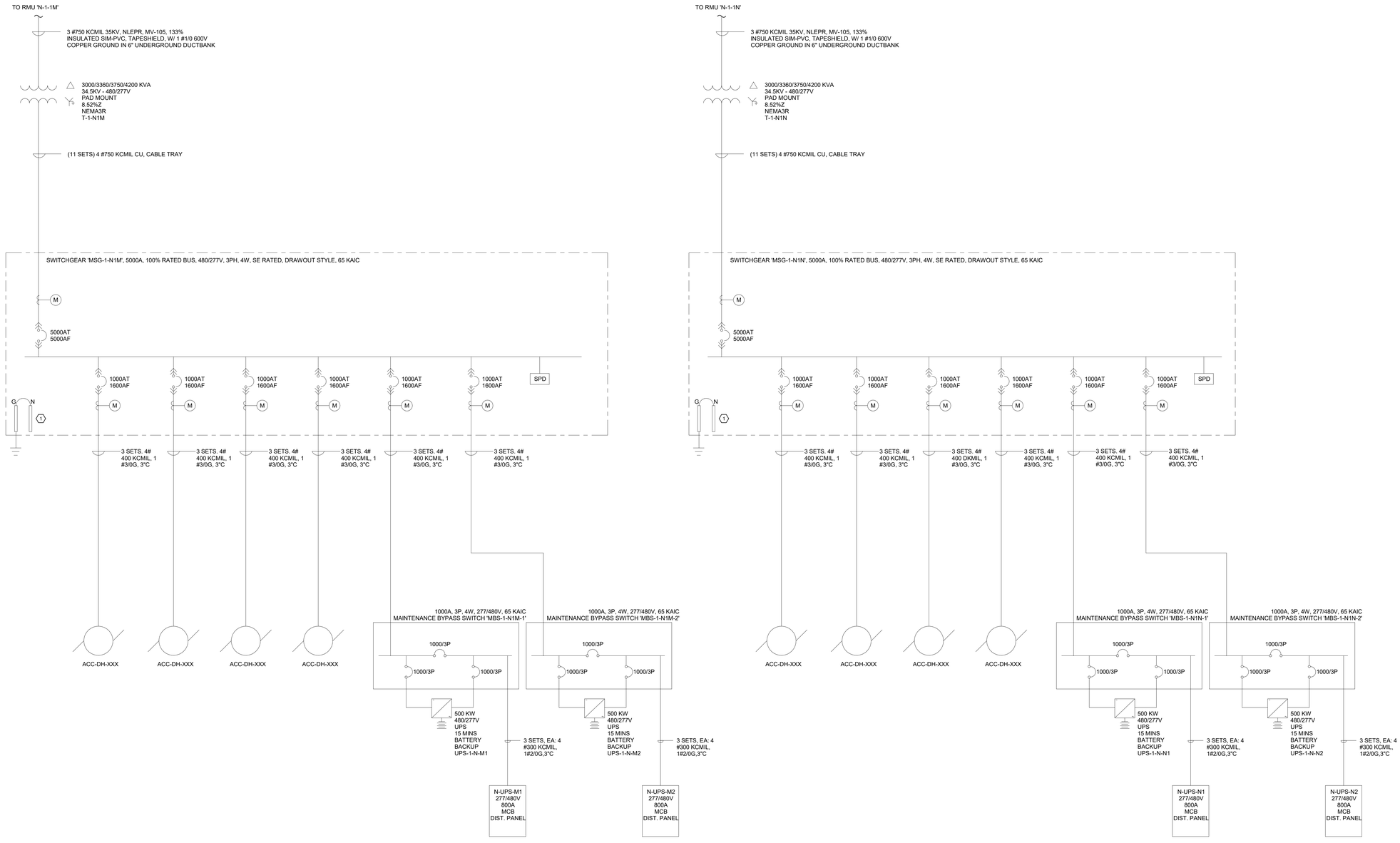
BLDG1-EJ635

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).



1 NORMAL POWER - ONE LINE DIAGRAM N1M & N1N
SCALE: 1" = 1'-0"

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SHEET TITLE

NORMAL POWER
ONE-LINE DIAGRAM

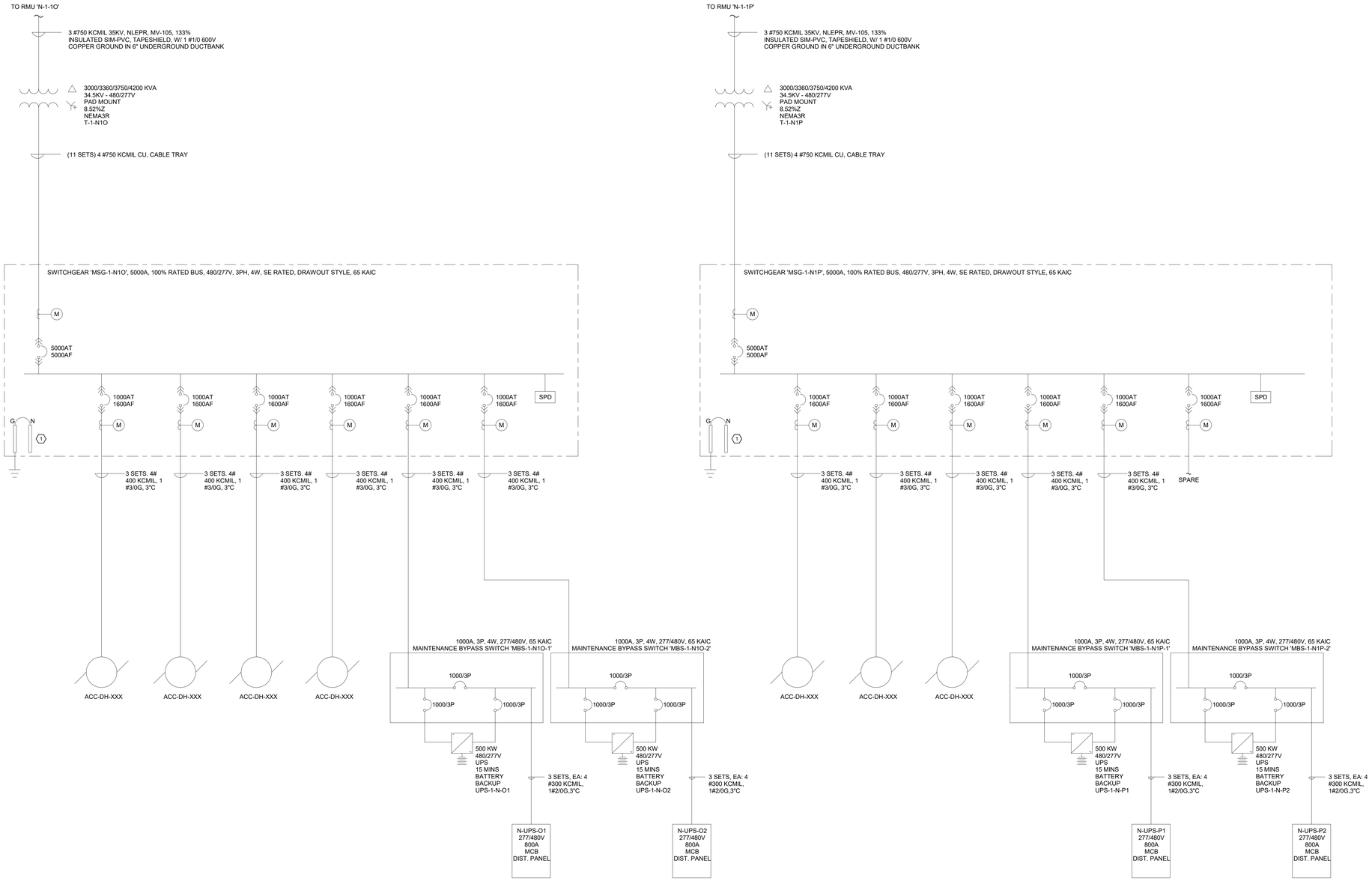
SHEET NUMBER
BLDG1-EJ636

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL UPSIZE FOR VOLTAGE DROP WHERE REQUIRED. VOLTAGE DROP ON FEEDERS SHALL BE KEPT UNDER 2%, AND VOLTAGE DROP ON BRANCH CIRCUITS SHALL BE KEPT UNDER 3%.

KEYED NOTES:

1. PROVIDE GROUND NEUTRAL BOND IN SWITCHGEAR ON SECONDARY SIDE OF TRANSFORMER PER NEC 250.102(C)(1).



1 NORMAL POWER - ONE LINE DIAGRAM N1O & N1P

SCALE: 1" = 1'-0"

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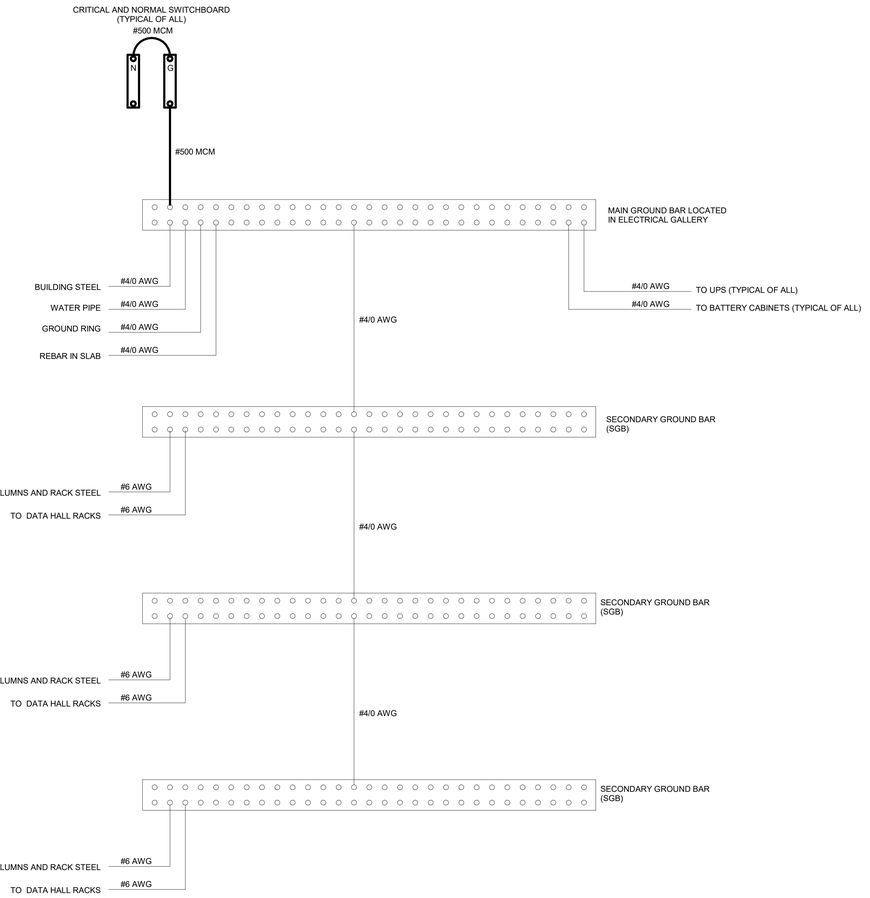
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SHEET TITLE

NORMAL POWER
ONE-LINE DIAGRAM

SHEET NUMBER

BLDG1-EJ637



1 GROUNDING ONE-LINE

SCALE: 12" = 1'-0"

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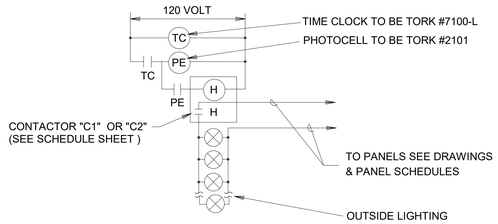
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SHEET TITLE

GROUNDING
ONE-LINE DIAGRAM

SHEET NUMBER

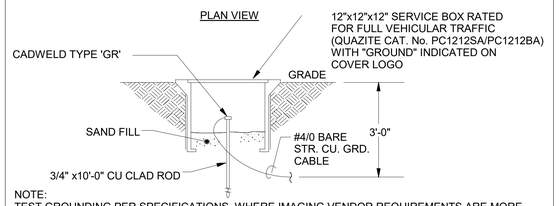
BLDG1-EJ650



OUTSIDE LIGHTING CONTROL

No Scale

9

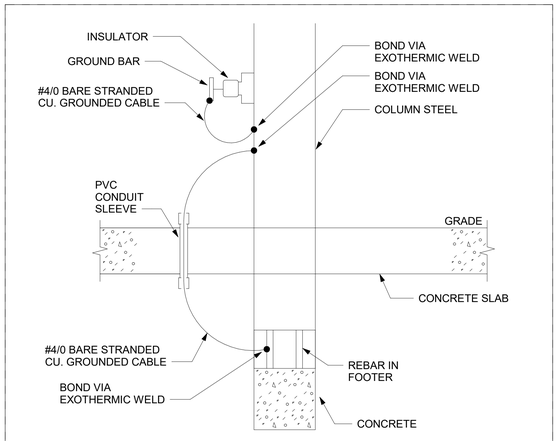


NOTE:
TEST GROUNDING PER SPECIFICATIONS. WHERE IMAGING VENDOR REQUIREMENTS ARE MORE STRINGENT PROVIDE ADDITIONAL RODS OR "XIT" RODS OR EQUAL TO ACHIEVE THE DESIRED RESISTANCE TO GROUND. PROVIDE SIGNAGE TO COMPLY WITH NFPA 70, 700.B (B) REGARDING EMERGENCY SOURCE LOCATION AT OUTDOOR UTILITY YARD.

GROUND ROD WELL DETAIL

No Scale

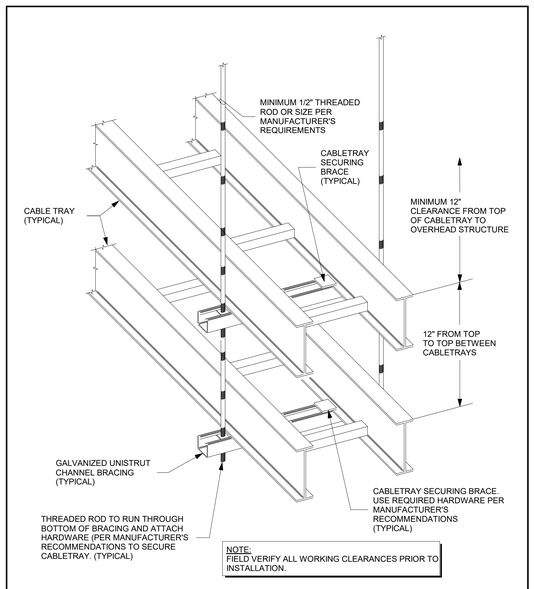
1



REBAR TO STEEL COLUMN DETAIL

No Scale

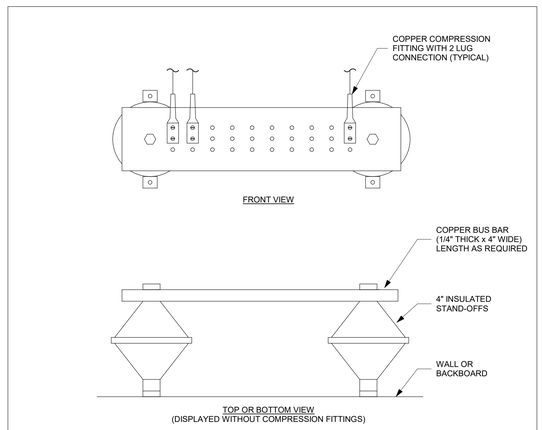
4



NOTE:
FIELD VERIFY ALL WORKING CLEARANCES PRIOR TO INSTALLATION.

TRAPEEZE HUNG STACKED CABLETRAY

NO SCALE

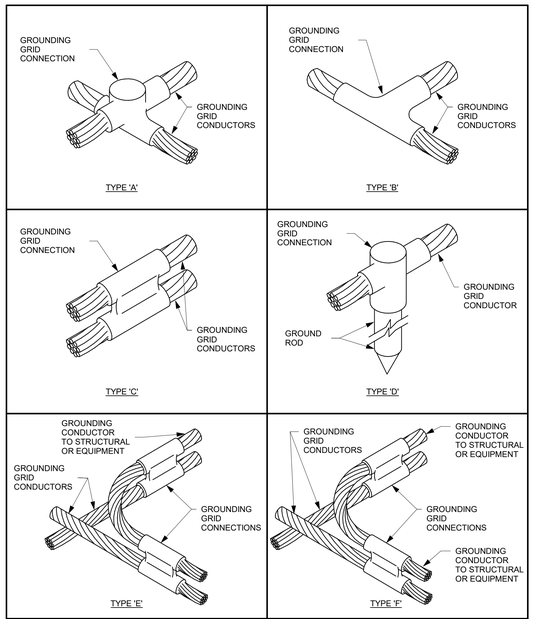


(DISPLAYED WITHOUT COMPRESSION FITTINGS)

GROUND BUS BAR DETAIL

NOT TO SCALE

3



GROUNDING GRID CONNECTIONS DETAIL

NO SCALE

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Nashville, TN 37204

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NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

CHECKED BY CWF
DRAWN BY CAB

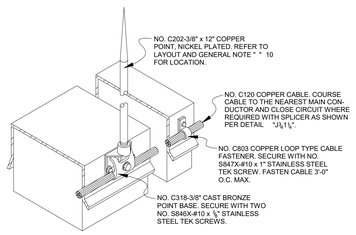
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SHEET TITLE

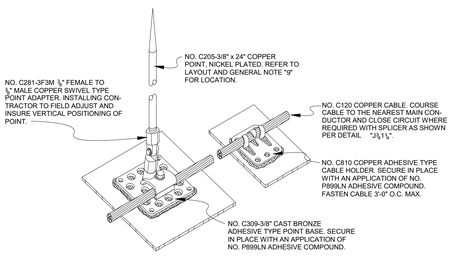
DETAILS

SHEET NUMBER

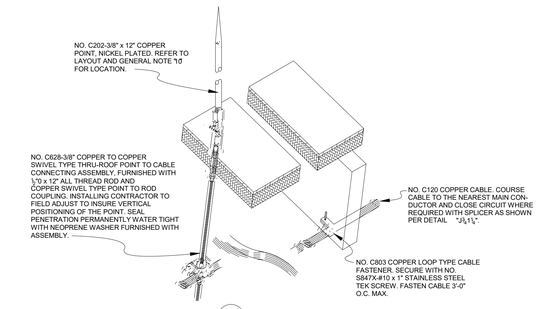
BLDG1-EJ660



A PARAPET AIR TERMINAL
NOT TO SCALE

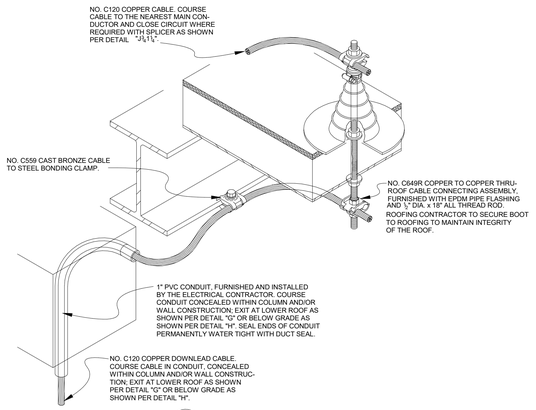


B ADHESIVE AIR TERMINAL
NOT TO SCALE

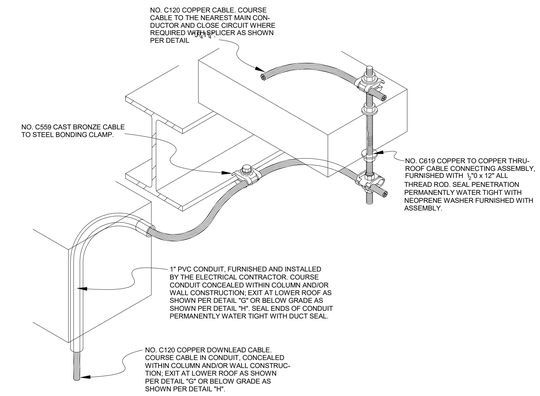


C THRU-ROOF AIR TERMINAL
NOT TO SCALE

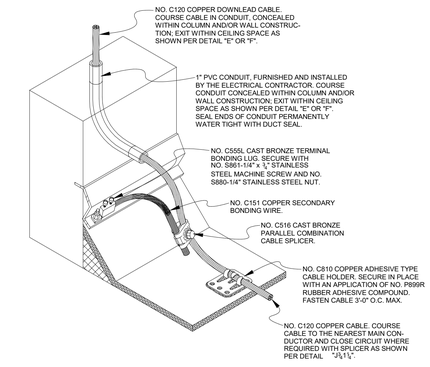
D MID ROOF AIR TERMINAL
NOT TO SCALE



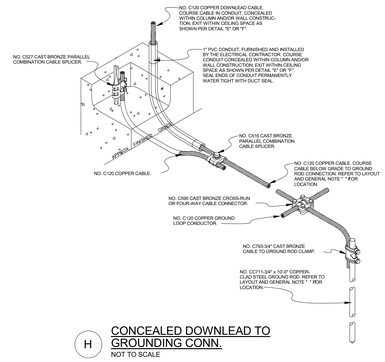
E THRU-ROOF CABLE CONN.
NOT TO SCALE



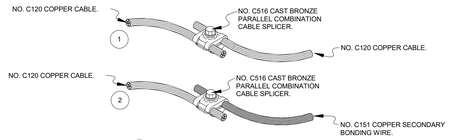
F THRU-ROOF CABLE PENE.
NOT TO SCALE



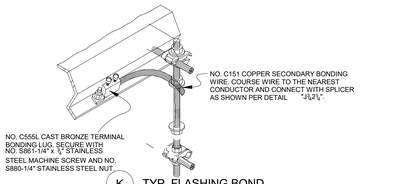
G CONCEALED DOWNLEAD TO LOWER ROOF
NOT TO SCALE



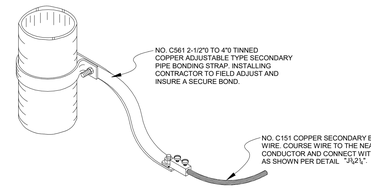
H CONCEALED DOWNLEAD TO GROUNDING CONN.
NOT TO SCALE



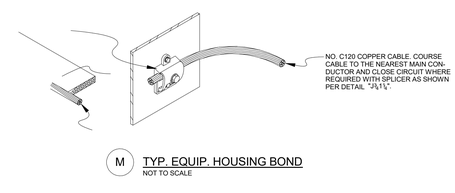
J TYP. CABLE SPLICERS
NOT TO SCALE



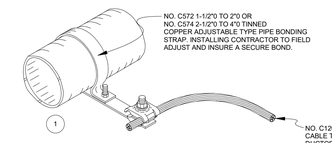
K TYP. FLASHING BOND
NOT TO SCALE



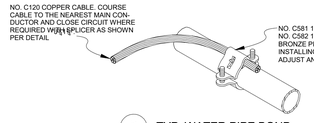
L TYP. SECONDARY ROOF PIPE BOND
NOT TO SCALE



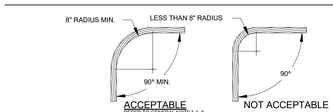
M TYP. EQUIP. HOUSING BOND
NOT TO SCALE



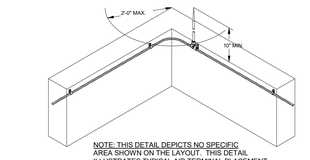
N TYP. PIPE BONDING STRAP
NOT TO SCALE



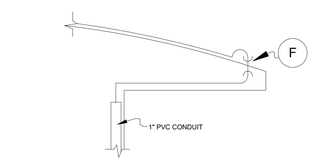
P TYP. WATER PIPE BOND
NOT TO SCALE



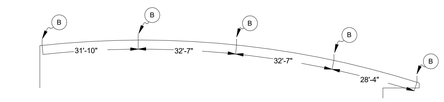
Q TYP. CABLE BEND REQUIREMENTS
NOT TO SCALE



R TYP. AIR TERMINAL PLACEMENT AT OUTSIDE CORNERS
NOT TO SCALE



S THRU-ROOF SCHEMATIC VIEW
NOT TO SCALE



SECTION A-A SCHEMATIC VIEW AIR TERMINAL SPACING
SCALE: 1/8" = 1'-0"

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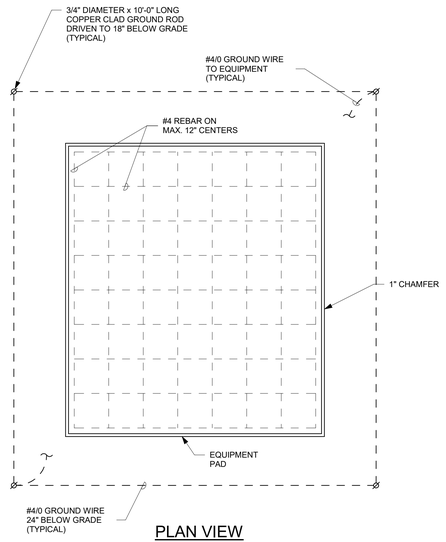
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SHEET TITLE

DETAILS

SHEET NUMBER
BLDG1-EJ661

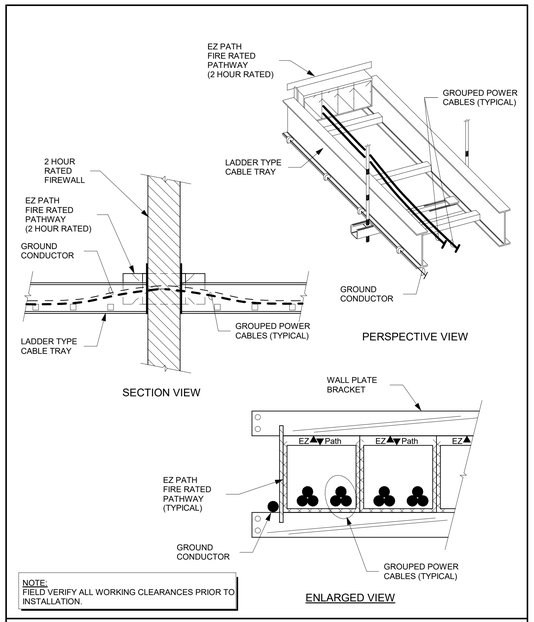


TYPICAL EQUIPMENT GROUNDING COUNTERPOISE DETAIL

NO SCALE

1 Typical Equipment Grounding Counterpoise Detail

SCALE: 12" = 1'-0"

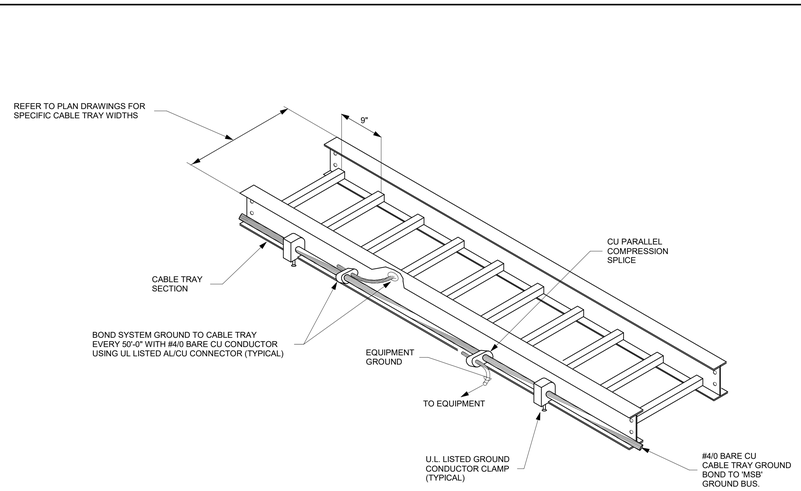


CABLETRAY THROUGH FIRE RATED WALL DETAIL

NO SCALE

2 Cabletray through Fire Rated Wall

SCALE: 12" = 1'-0"



CABLE TRAY WITH GROUND CONNECTIONS DETAIL

NO SCALE

3 Cable Tray w/Ground Detail 2

SCALE: 12" = 1'-0"

Salas O'Brien

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BUILDING 1

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AUBURNDALE, FL 33823

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SHEET TITLE

DETAILS

SHEET NUMBER

BLDG1-EJ662

Branch Panel: HLS1

Location:
Supply From: MSG-1-H1A
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KACI
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Demand Code	TRIP	P	A	B	C	P	TRIP	Demand Code	Circuit Description	CKT
1	T-LLS1	Equip...	20 A	3	740 7052			3	20 A	Lighting	HLS3	2
3	--	--	--	--		1000 3737		--	--	--	--	4
5	--	--	--	--			500 6562	--	--	--	--	6
7	EMERGENCY LIGHTING - STORAGE &...	Lighting	20 A	1	4110 2814			1	20 A	Lighting	NORTH WEST DATA HALL A AREA...	8
9	EMERGENCY LIGHTING - OFFICE	Lighting	20 A	1		2534 3721		1	20 A	Lighting	SOUTH WEST DATA HALL A AREA...	10
11	SOUTH EAST DATA HALL A AREA...	Lighting	20 A	1			3936 3359	1	20 A	Lighting	NORTH EAST DATA HALL A AREA...	12
13	DATA HALL A AREA EMERGENCY LIGHTING	Lighting	20 A	1	2112							14
15	WEST BLDG EXTERIAL EMERGENCY...	Lighting	20 A	1		768						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:			16792 VA	11714 VA	14333 VA					
		Total Amps:			62 A	42 A	53 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	40705 VA	100.00%	40705 VA		
Equipment	2240 VA	100.00%	2240 VA	**Total Conn. Load:**	42838 VA
				Total Est. Demand:	42838 VA
				Total Conn. Current:	52 A
				Total Est. Demand Current:	52 A

Notes:

Branch Panel: HLS2

Location:
Supply From: T-LLS1
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 42 KACI
Mains Type: MCB
Mains Rating: 60 A
MCB Rating: 60 A

Notes:

CKT	Circuit Description	Demand Code	TRIP	P	A	B	C	P	TRIP	Demand Code	Circuit Description	CKT
1	FACP - STAGING 01.E.06	Equip...	20 A	1	240 500			1	20 A	Equip...	FACP - DATA HALL - C	2
3	FACP - DATA HALL - A	Equip...	20 A	1		500 500		1	20 A	Equip...	FACP - NETWORK HALL	4
5	FACP - DATA HALL - B	Equip...	20 A	1			500					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:			740 VA	1000 VA	500 VA					
		Total Amps:			6 A	9 A	4 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	2240 VA	100.00%	2240 VA		
				Total Conn. Load:	2240 VA
				Total Est. Demand:	2240 VA
				Total Conn. Current:	6 A
				Total Est. Demand Current:	6 A

Notes:

Branch Panel: HLS3

Location:
Supply From: HLS1
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KACI
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 250 A

Notes:

CKT	Circuit Description	Demand Code	TRIP	P	A	B	C	P	TRIP	Demand Code	Circuit Description	CKT
1	SOUTH WEST DATA HALL B & C EMERGENC...	Lighting	20 A	1	2126 4446			1	20 A	Lighting	DATA HALL C EMERGENCY LIGHTING	2
3	NORTH WEST DATA HALL C AREA...	Lighting	20 A	1		1879 1858		1	20 A	Lighting	EAST DATA HALL B & C EMERGENCY...	4
5	SOUTH CENTRAL DATA HALL B & C...	Lighting	20 A	1			4186 2376	1	20 A	Lighting	DATA HALL B & C HOT AISLE EMERGENCY...	6
7	EAST BLDG EMERGENCY EXTERIAL...	Lighting	20 A	1	480							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:			7052 VA	3737 VA	6562 VA					
		Total Amps:			27 A	13 A	25 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	17351 VA	100.00%	17351 VA		
				Total Conn. Load:	17351 VA
				Total Est. Demand:	17351 VA
				Total Conn. Current:	21 A
				Total Est. Demand Current:	21 A

Notes:

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ671

DIST. PANEL: N-UPS-A1

Location:
Supply From: MSG-1-N1A
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1NH.PPMP.01	3	400 A	70 A	41430 VA	
2	1NH.PPMP.02	3	400 A	70 A	41430 VA	
3	1NH.PPMP.03	3	400 A	70 A	41430 VA	
4	1NH.CH.01 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
5	1NH.CH.01 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
6	1NH.CH.02 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
7	1NH.CH.01 CONTROLS	3	400 A	20 A	500 VA	
8	1NH.CH.03 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
9	1NH.CH.03 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
10	1NH.CH.03 CONTROLS	3	400 A	20 A	500 VA	
11	1NH.CH.02 CONTROLS	3	400 A	20 A	500 VA	
12	1NH.CH.02 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
13	T-CP1	3	400 A	125 A	35000 VA	
14	1CMDF41.CU.01	3	400 A	20 A	4462 VA	
15	1CMDF41.CU.02	3	400 A	20 A	4462 VA	
16						
17						
18						
19						
20						
				Total Conn. Load:	283248 VA	
				Total Amps:	341 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	248248 VA	80.00%	198599 VA		
Power	35000 VA	80.00%	28000 VA	**Total Conn. Load:**	283248 VA
				Total Est. Demand:	226599 VA
				Total Conn. Current:	341 A
				Total Est. Demand Current:	273 A

Notes:

DIST. PANEL: N-UPS-A2

Location:
Supply From: MSG-1-N1A
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1NH.SPMP.01	3	400 A	125 A	79000 VA	
2	1NH.SPMP.02	3	400 A	125 A	79000 VA	
3	1NH.SPMP.03	3	400 A	125 A	79000 VA	
4	1NH.SPMP.04	3	400 A	125 A	79000 VA	
5	1NH.SPMP.05	3	400 A	125 A	79000 VA	
6	1ADM.DOAS.01	3	400 A	60 A	30116 VA	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	425116 VA	
				Total Amps:	511 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	425116 VA	80.00%	340093 VA		
				Total Conn. Load:	425116 VA
				Total Est. Demand:	340093 VA
				Total Conn. Current:	511 A
				Total Est. Demand Current:	409 A

Notes:

DIST. PANEL: N-UPS-B1

Location:
Supply From: MSG-1-N1B
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1NH.PPMP.04	3	400 A	70 A	41430 VA	
2	1NH.PPMP.05	3	400 A	70 A	41430 VA	
3	1NH.PPMP.06	3	400 A	7 A	41430 VA	
4	1NH.PPMP.07	3	400 A	70 A	41430 VA	
5	1NH.CH.05 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
6	1NH.CH.05 CONTROLS	3	400 A	20 A	500 VA	
7	1NH.CH.06 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
8	1NH.CH.06 CONTROLS	3	400 A	20 A	500 VA	
9	1NH.CH.07 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
10	1NH.CH.07 CONTROLS	3	400 A	20 A	500 VA	
11	1NH.CH.04 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
12	1NH.CH.05 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
13	1NH.CH.06 PUMP CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
14	1NH.CH.07 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	311030 VA	
				Total Amps:	374 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	311030 VA	80.00%	248824 VA		
				Total Conn. Load:	311030 VA
				Total Est. Demand:	248824 VA
				Total Conn. Current:	374 A
				Total Est. Demand Current:	299 A

Notes:

DIST. PANEL: N-UPS-B2

Location:
Supply From: MSG-1-N1B
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1MDF30.CRAC.01	3	400 A	80 A	45828 VA	
2	1MDF30.CRAC.02	3	400 A	80 A	45828 VA	
3	1UPS23.CRAC.01	3	400 A	70 A	41589 VA	
4	1UPS23.CRAC.02	3	400 A	70 A	41589 VA	
5	1MDF32.CRAC.02	3	400 A	80 A	45828 VA	
6	1MDF32.CRAC.01	3	400 A	80 A	45828 VA	
7	1CMDF41.CRAC.01	3	400 A	70 A	34259 VA	
8	1CMDF41.CRAC.02	3	400 A	70 A	36777 VA	
9						
10						
11	1NH-DHA.DOAS.01	3	400 A	90 A	51787 VA	
12	1NH-DHA.DOAS.02	3	400 A	90 A	51787 VA	
13	1EG04-07.DOAS.01	3	400 A	80 A	39039 VA	
14	1EG04-07.DOAS.02	3	400 A	80 A	39039 VA	
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	519178 VA	
				Total Amps:	624 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	519178 VA	80.00%	415342 VA		
				Total Conn. Load:	519178 VA
				Total Est. Demand:	415342 VA
				Total Conn. Current:	624 A
				Total Est. Demand Current:	500 A

Notes:

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salasobrien.com 615.346.3400
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2950 Kraft Drive
Nashville, TN 37204

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NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ672

DIST. PANEL: N-UPS-C1

Location:
Supply From: MSG-1-N1C
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1NH.PPMP.08	3	400 A	70 A	41430 VA	
2	1NH.PPMP.09	3	400 A	70 A	41430 VA	
3	1NH.PPMP.10	3	400 A	70 A	41430 VA	
4	1NH.PPMP.11	3	400 A	70 A	41430 VA	
5	1NH.CH.08 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
6	1NH.CH.08 CONTROLS	3	400 A	20 A	500 VA	
7	1NH.CH.08 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
8	1NH.CH.09 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
9	1NH.CH.09 CONTROLS	3	400 A	20 A	500 VA	
10	1NH.CH.09 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
11	1NH.CH.10 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
12	1NH.CH.10 CONTROLS	3	400 A	20 A	500 VA	
13	1NH.CH.10 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
14	1NH.CH.11 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
15	1NH.CH.11 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
16	1NH.CH.11 CONTROLS	3	400 A	20 A	500 VA	
17						
18						
19						
20						
				Total Conn. Load:	319100 VA	
				Total Amps:	384 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	319100 VA	80.00%	255280 VA		
				Total Conn. Load:	319100 VA
				Total Est. Demand:	255280 VA
				Total Conn. Current:	384 A
				Total Est. Demand Current:	307 A

Notes:

DIST. PANEL: N-UPS-C2

Location:
Supply From: MSG-1-N1C
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1MDF30.CU.01	3	400 A	50 A	27216 VA	
2	1MDF30.CU.02	3	400 A	50 A	27216 VA	
3	1MDF32.CU.01	3	400 A	50 A	27216 VA	
4	1MDF32.CU.02	3	400 A	50 A	27216 VA	
5	1UPS23.CU.01	3	400 A	20 A	8923 VA	
6	1UPS23.CU.02	3	400 A	20 A	8923 VA	
7						
8						
9	1CMDF05.CU.01	3	400 A	20 A	4462 VA	
10	1CMDF05.CU.02	3	400 A	20 A	4462 VA	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	135634 VA	
				Total Amps:	163 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	135634 VA	80.00%	108507 VA		
				Total Conn. Load:	135634 VA
				Total Est. Demand:	108507 VA
				Total Conn. Current:	163 A
				Total Est. Demand Current:	131 A

Notes:

DIST. PANEL: N-UPS-D1

Location:
Supply From: MSG-1-N1D
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1NH.PPMP.12	3	400 A	70 A	41430 VA	
2	1NH.PPMP.13	3	400 A	70 A	41430 VA	
3	1NH.PPMP.14	3	400 A	70 A	41430 VA	
4	1DHA.PPMP.01	3	400 A	70 A	41430 VA	
5	1NH.CH.12 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
6	1NH.CH.12 CONTROLS	3	400 A	20 A	500 VA	
7	1NH.CH.12 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
8	1NH.CH.13 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
9	1NH.CH.13 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
10	1NH.CH.13 CONTROLS	3	400 A	20 A	500 VA	
11	1NH.CH.04 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
12	1NH.CH.04 CONTROLS	3	400 A	20 A	500 VA	
13	1NH.CH.14 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
14	1NH.CH.14 CONTROLS	3	400 A	20 A	500 VA	
15	1NH.CH.14 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
16	1DHA.CH.01 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
17	1DHA.CH.01 CONTROLS	3	400 A	20 A	500 VA	
18	1DHA.CH.01 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
19						
20						
				Total Conn. Load:	327170 VA	
				Total Amps:	394 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	327170 VA	80.00%	261736 VA		
				Total Conn. Load:	327170 VA
				Total Est. Demand:	261736 VA
				Total Conn. Current:	394 A
				Total Est. Demand Current:	315 A

Notes:

DIST. PANEL: N-UPS-D2

Location:
Supply From: MSG-1-N1D
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

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salasobrien.com 615.346.3400
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Nashville, TN 37204

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

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09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ673

DIST. PANEL: N-UPS-E1

Location:
Supply From: MSG-1-N1E
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHA.PPMP.02	3	400 A	70 A	41430 VA	
2	1DHA.PPMP.03	3	400 A	70 A	41430 VA	
3	1DHA.PPMP.04	3	400 A	70 A	41430 VA	
4	1DHA.PPMP.05	3	400 A	70 A	41430 VA	
5	1DHA.CH.02 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
6	1DHA.CH.02 CONTROLS	3	400 A	20 A	500 VA	
7	1DHA.CH.02 PUMP & CONTROLS	3	400 A	50 A	30275 VA	
8	1DHA.CH.03 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
9	1DHA.CH.03 CONTROLS	3	400 A	20 A	500 VA	
10	1DHA.CH.03 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
11	1DHA.CH.04 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
12	1DHA.CH.04 CONTROLS	3	400 A	20 A	500 VA	
13	1DHA.CH.04 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
14	1DHA.CH.05 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
15	1DHA.CH.05 CONTROLS	3	400 A	20 A	500 VA	
16	1DHA.CH.05 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
17						
18						
19						
20						
				Total Conn. Load:	319100 VA	
				Total Amps:	384 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	319100 VA	80.00%	255280 VA		
				Total Conn. Load:	319100 VA
				Total Est. Demand:	255280 VA
				Total Conn. Current:	384 A
				Total Est. Demand Current:	307 A

Notes:

DIST. PANEL: N-UPS-E2

Location:
Supply From: MSG-1-N1E
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

DIST. PANEL: N-UPS-F1

Location:
Supply From: MSG-1-N1F
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHA.PPMP.06	3	400 A	70 A	41430 VA	
2	1DHA.PPMP.07	3	400 A	70 A	41430 VA	
3	1DHA.PPMP.08	3	400 A	70 A	41430 VA	
4	1DHA.PPMP.09	3	400 A	70 A	41430 VA	
5	1DHA.CH.06 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
6	1DHA.CH.06 CONTROLS	3	400 A	20 A	500 VA	
7	1DHA.CH.06 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
8	1DHA.CH.07 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
9	1DHA.CH.07 CONTROLS	3	400 A	20 A	500 VA	
10	1DHA.CH.07 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
11	1DHA.CH.08 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
12	1DHA.CH.08 CONTROLS	3	400 A	20 A	500 VA	
13	1DHA.CH.08 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
14	1DHA.CH.09 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
15	1DHA.CH.09 CONTROLS	3	400 A	20 A	500 VA	
16	1DHA.CH.09 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
17						
18						
19						
20						
				Total Conn. Load:	319100 VA	
				Total Amps:	384 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	319100 VA	80.00%	255280 VA		
				Total Conn. Load:	319100 VA
				Total Est. Demand:	255280 VA
				Total Conn. Current:	384 A
				Total Est. Demand Current:	307 A

Notes:

Switchboard: N-UPS-F2

Location:
Supply From: MSG-1-N1F
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

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Nashville, TN 37204

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AUBURNDALE, FL 33823

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ674

DIST. PANEL: N-UPS-G1

Location:
Supply From: MSG-1-N1G
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHA.PPMP.10	3	400 A	70 A	41430 VA	
2	1DHA.PPMP.11	3	400 A	70 A	41430 VA	
3	1DHA.PPMP.12	3	400 A	70 A	41430 VA	
4	1DHA.PPMP.13	3	400 A	70 A	41430 VA	
5	1DHA.CH.10 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
6	1DHA.CH.10 CONTROLS	3	400 A	20 A	500 VA	
7	1DHA.CH.10 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
8	1DHA.CH.11 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
9	1DHA.CH.11 CONTROLS	3	400 A	20 A	500 VA	
10	1DHA.CH.11 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
11	1DHA.CH.12 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
12	1DHA.CH.12 CONTROLS	3	400 A	20 A	500 VA	
13	1DHA.CH.12 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
14	1DHA.CH.13 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
15	1DHA.CH.13 CONTROLS	3	400 A	20 A	500 VA	
16	1DHA.CH.13 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
17						
18						
19						
20						
				Total Conn. Load:	319100 VA	
				Total Amps:	384 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	319100 VA	80.00%	255280 VA		
				Total Conn. Load:	319100 VA
				Total Est. Demand:	255280 VA
				Total Conn. Current:	384 A
				Total Est. Demand Current:	307 A

Notes:

DIST. PANEL N-UPS-G2

Location:
Supply From: MSG-1-N1G
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

DIST. PANEL: N-UPS-H1

Location:
Supply From: MSG-1-N1H
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHA.PPMP.14	3	400 A	70 A	41430 VA	
2	1DHA.PPMP.15	3	400 A	70 A	41430 VA	
3	1DHA.PPMP.16	3	400 A	70 A	41430 VA	
4	1DHB.PPMP.01	3	400 A	70 A	41430 VA	
5	1DHA.CH.14 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
6	1DHA.CH.14 CONTROLS	3	400 A	20 A	500 VA	
7	1DHA.CH.14 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
8	1DHA.CH.15 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
9	1DHA.CH.15 CONTROLS	3	400 A	20 A	500 VA	
10	1DHA.CH.15 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
11	1DHA.CH.16 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
12	1DHA.CH.16 CONTROLS	3	400 A	20 A	500 VA	
13	1DHA.CH.16 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
14	1DHB.CH.01 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
15	1DHB.CH.01 CONTROLS	3	400 A	20 A	500 VA	
16	1DHB.CH.01 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
17						
18						
19						
20						
				Total Conn. Load:	319100 VA	
				Total Amps:	384 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	319100 VA	80.00%	255280 VA		
				Total Conn. Load:	319100 VA
				Total Est. Demand:	255280 VA
				Total Conn. Current:	384 A
				Total Est. Demand Current:	307 A

Notes:

DIST. PANEL: N-UPS-H2

Location:
Supply From: MSG-1-N1H
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHA.SPMP.01	3	400 A	125 A	79000 VA	
2	1DHA.SPMP.02	3	400 A	125 A	79000 VA	
3	1DHA.SPMP.03	3	400 A	125 A	79000 VA	
4	1DHA.SPMP.04	3	400 A	125 A	79000 VA	
5	1DHA.SPMP.05	3	400 A	125 A	79000 VA	
6	1DHA.SPMP.06	3	400 A	125 A	79000 VA	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	474000 VA	
				Total Amps:	570 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	474000 VA	80.00%	379200 VA		
				Total Conn. Load:	474000 VA
				Total Est. Demand:	379200 VA
				Total Conn. Current:	570 A
				Total Est. Demand Current:	456 A

Notes:

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Nashville, TN 37204

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NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ675

DIST. PANEL: N-UPS-I1

Location:
Supply From: MSG-1-N1I
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHB.PPMP.02	3	400 A	70 A	41430 VA	
2	1DHB.PPMP.03	3	400 A	70 A	41430 VA	
3	1DHB.PPMP.04	3	400 A	70 A	41430 VA	
4	1DHB.PPMP.05	3	400 A	70 A	41430 VA	
5	1DHB.CH.02 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
6	1DHB.CH.02 CONTROLS	3	400 A	20 A	500 VA	
7	1DHB.CH.02 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
8	1DHB.CH.03 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
9	1DHB.CH.03 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
10	1DHB.CH.03 CONTROLS	3	400 A	20 A	500 VA	
11	1DHB.CH.04 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
12	1DHB.CH.04 CONTROLS	3	400 A	20 A	500 VA	
13	1DHB.CH.04 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
14	1DHB.CH.05 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
15	1DHB.CH.05 CONTROLS	3	400 A	20 A	500 VA	
16	1DHB.CH.05 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
17						
18						
19						
20						
				Total Conn. Load:	319100 VA	
				Total Amps:	384 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	319100 VA	80.00%	255280 VA		
				Total Conn. Load:	319100 VA
				Total Est. Demand:	255280 VA
				Total Conn. Current:	384 A
				Total Est. Demand Current:	307 A

Notes:

DIST. PANEL: N-UPS-I2

Location:
Supply From: MSG-1-N1I
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHB.SPMP.01	3	400 A	125 A	79000 VA	
2	1DHB.SPMP.02	3	400 A	125 A	79000 VA	
3	1DHB.SPMP.03	3	400 A	125 A	79000 VA	
4	1DHB.SPMP.04	3	400 A	125 A	79000 VA	
5	1DHB.SPMP.05	3	400 A	125 A	79000 VA	
6	1DHB.SPMP.06	3	400 A	125 A	79000 VA	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	474000 VA	
				Total Amps:	570 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	474000 VA	80.00%	379200 VA		
				Total Conn. Load:	474000 VA
				Total Est. Demand:	379200 VA
				Total Conn. Current:	570 A
				Total Est. Demand Current:	456 A

Notes:

DIST. PANEL: N-UPS-J1

Location:
Supply From: MSG-1-N1J
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHB.PPMP.07	3	400 A	70 A	41430 VA	
2	1DHB.PPMP.06	3	400 A	70 A	41430 VA	
3	1DHB.PPMP.08	3	400 A	70 A	41430 VA	
4	1DHB.PPMP.09	3	400 A	70 A	41430 VA	
5	1DHB.CH.06 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
6	1DHB.CH.06 CONTROLS	3	400 A	20 A	500 VA	
7	1DHB.CH.06 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
8	1DHB.CH.07 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
9	1DHB.CH.07 CONTROLS	3	400 A	20 A	500 VA	
10	1DHB.CH.07 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
11	1DHB.CH.08 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
12	1DHB.CH.08 CONTROLS	3	400 A	20 A	500 VA	
13	1DHB.CH.08 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
14	1DHB.CH.09 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
15	1DHB.CH.09 CONTROLS	3	400 A	20 A	500 VA	
16	1DHB.CH.09 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
17						
18						
19						
20						
				Total Conn. Load:	319100 VA	
				Total Amps:	384 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	319100 VA	80.00%	255280 VA		
				Total Conn. Load:	319100 VA
				Total Est. Demand:	255280 VA
				Total Conn. Current:	384 A
				Total Est. Demand Current:	307 A

Notes:

DIST. PANEL: N-UPS-J2

Location:
Supply From: MSG-1-N1J
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ676

DIST. PANEL: N-UPS-K1

Location:
Supply From: MSG-1-N1K
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHB.PPMP.10	3	400 A	70 A	41430 VA	
2	1DHB.PPMP.11	3	400 A	70 A	41430 VA	
3	1DHB.PPMP.12	3	400 A	70 A	41430 VA	
4	1DHB.PPMP.13	3	400 A	70 A	41430 VA	
5	1DHB.CH.10 CONTROLS	3	400 A	20 A	500 VA	
6	1DHB.CH.10 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
7	1DHB.CH.10 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
8	1DHB.CH.11 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
9	1DHB.CH.11 CONTROLS	3	400 A	20 A	500 VA	
10	1DHB.CH.11 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
11	1DHB.CH.12 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
12	1DHB.CH.12 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
13	1DHB.CH.12 CONTROLS	3	400 A	20 A	500 VA	
14	1DHB.CH.13 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
15	1DHB.CH.13 CONTROLS	3	400 A	20 A	500 VA	
16	1DHB.CH.13 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
17	T-CP3	3	400 A	125 A	8000 VA	
18						
19						
20						
				Total Conn. Load:	327100 VA	
				Total Amps:	393 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	319100 VA	80.00%	255280 VA		
Power	8000 VA	80.00%	6400 VA	**Total Conn. Load:**	327100 VA
				Total Est. Demand:	261680 VA
				Total Conn. Current:	393 A
				Total Est. Demand Current:	315 A

Notes:

DIST. PANEL: N-UPS-K2

Location:
Supply From: MSG-1-N1K
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

DIST. PANEL: N-UPS-L1

Location:
Supply From: MSG-1-N1L
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHB.PPMP.14	3	400 A	70 A	41430 VA	
2	1DHB.PPMP.15	3	400 A	70 A	41430 VA	
3	1DHB.PPMP.16	3	400 A	70 A	41430 VA	
4	1DHC.PPMP.01	3	400 A	70 A	41430 VA	
5	1DHB.CH.14 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
6	1DHB.CH.14 CONTROLS	3	400 A	20 A	500 VA	
7	1DHB.CH.14 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
8	1DHB.CH.15 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
9	1DHB.CH.15 CONTROLS	3	400 A	20 A	500 VA	
10	1DHB.CH.15 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
11	1DHB.CH.16 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
12	1DHB.CH.16 CONTROLS	3	400 A	20 A	500 VA	
13	1DHB.CH.16 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
14	1DHC.CH.01 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
15	1DHC.CH.01 CONTROLS	3	400 A	20 A	500 VA	
16	1DHC.CH.01 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
17	T-CP2	3	400 A	125 A	22500 VA	
18						
19						
20						
				Total Conn. Load:	341600 VA	
				Total Amps:	411 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	319100 VA	80.00%	255280 VA		
Power	22500 VA	80.00%	18000 VA	**Total Conn. Load:**	341600 VA
				Total Est. Demand:	273280 VA
				Total Conn. Current:	411 A
				Total Est. Demand Current:	329 A

Notes:

DIST. PANEL: N-UPS-L2

Location:
Supply From: MSG-1-N1L
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

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Nashville
2950 Kraft Drive
Nashville, TN 37204

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AUBURNDALE, FL 33823

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ677

DIST. PANEL: N-UPS-M1

Location:
Supply From: MSG-1-N1M
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHC.PPMP.02	3	400 A	70 A	41430 VA	
2	1DHC.PPMP.03	3	400 A	70 A	41430 VA	
3	1DHC.PPMP.04	3	400 A	70 A	41430 VA	
4	1DHC.PPMP.05	3	400 A	70 A	41430 VA	
5	1DHC.CH.02 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
6	1DHC.CH.02 CONTROLS	3	400 A	20 A	500 VA	
7	1DHC.CH.02 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
8	1DHC.CH.03 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
9	1DHC.CH.03 CONTROLS	3	400 A	20 A	500 VA	
10	1DHC.CH.03 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
11	1DHC.CH.04 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
12	1DHC.CH.04 CONTROLS	3	400 A	20 A	500 VA	
13	1DHC.CH.04 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
14	1DHC.CH.05 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
15	1DHC.CH.05 CONTROLS	3	400 A	20 A	500 VA	
16	1DHC.CH.05 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
17	1MMR03.CU.01	3	400 A	20 A	4462 VA	
18	1MMR03.CU.02	3	400 A	20 A	4462 VA	
19						
20						
				Total Conn. Load:	328023 VA	
				Total Amps:	395 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	328023 VA	80.00%	262419 VA		
				Total Conn. Load:	328023 VA
				Total Est. Demand:	262419 VA
				Total Conn. Current:	395 A
				Total Est. Demand Current:	316 A

Notes:

DIST. PANEL: N-UPS-M2

Location:
Supply From: MSG-1-N1M
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHC.SPMP.01	3	400 A	125 A	79000 VA	
2	1DHC.SPMP.02	3	400 A	125 A	79000 VA	
3	1DHC.SPMP.03	3	400 A	125 A	79000 VA	
4	1DHC.SPMP.04	3	400 A	125 A	79000 VA	
5	1DHC.SPMP.05	3	400 A	125 A	79000 VA	
6	1DHC.SPMP.06	3	400 A	125 A	79000 VA	
7	1MMR03.CRAC.01	3	400 A	70 A	34259 VA	
8	1MMR03.CRAC.02	3	400 A	70 A	34259 VA	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	542518 VA	
				Total Amps:	653 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	542518 VA	80.00%	434014 VA		
				Total Conn. Load:	542518 VA
				Total Est. Demand:	434014 VA
				Total Conn. Current:	653 A
				Total Est. Demand Current:	522 A

Notes:

DIST. PANEL: N-UPS-N1

Location:
Supply From: MSG-1-N1N
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHC.PPMP.06	3	400 A	70 A	41430 VA	
2	1DHC.PPMP.07	3	400 A	70 A	41430 VA	
3	1DHC.PPMP.08	3	400 A	70 A	41430 VA	
4	1DHC.PPMP.09	3	400 A	70 A	41430 VA	
5	1DHC.CH.06 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
6	1DHC.CH.06 CONTROLS	3	400 A	20 A	500 VA	
7	1DHC.CH.06 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
8	1DHC.CH.07 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
9	1DHC.CH.07 CONTROLS	3	400 A	20 A	500 VA	
10	1DHC.CH.07 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
11	1DHC.CH.08 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
12	1DHC.CH.08 CONTROLS	3	400 A	20 A	500 VA	
13	1DHC.CH.08 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
14	1DHC.CH.09 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
15	1DHC.CH.09 CONTROLS	3	400 A	20 A	500 VA	
16	1DHC.CH.09 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
17	1EG13-14.DOAS.01	3	400 A	80 A	39039 VA	
18						
19						
20						
				Total Conn. Load:	358139 VA	
				Total Amps:	431 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	358139 VA	80.00%	286511 VA		
				Total Conn. Load:	358139 VA
				Total Est. Demand:	286511 VA
				Total Conn. Current:	431 A
				Total Est. Demand Current:	345 A

Notes:

DIST. PANEL: N-UPS-N2

Location:
Supply From: MSG-1-N1N
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1EG13-14.DOAS.02	3	400 A	80 A	39039 VA	
2	1DHB-DHC.DOAS.02	3	400 A	90 A	51787 VA	
3	1DHB-DHC.DOAS.03	3	400 A	90 A	51787 VA	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	142613 VA	
				Total Amps:	172 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	142613 VA	80.00%	114090 VA		
				Total Conn. Load:	142613 VA
				Total Est. Demand:	114090 VA
				Total Conn. Current:	172 A
				Total Est. Demand Current:	137 A

Notes:

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salasobrien.com 615.346.3400
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NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ678

DIST. PANEL: N-UPS-O1

Location:
Supply From: MSG-1-N1O
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHC.PPMP.10	3	400 A	70 A	41430 VA	
2	1DHC.PPMP.11	3	400 A	70 A	41430 VA	
3	1DHC.PPMP.12	3	400 A	70 A	41430 VA	
4	1DHC.PPMP.13	3	400 A	70 A	41430 VA	
5	1DHC.CH.10 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
6	1DHC.CH.10 CONTROLS	3	400 A	20 A	500 VA	
7	1DHC.CH.10 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
8	1DHC.CH.11 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
9	1DHC.CH.11 CONTROLS	3	400 A	20 A	500 VA	
10	1DHC.CH.11 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
11	1DHC.CH.12 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
12	1DHC.CH.12 CONTROLS	3	400 A	20 A	500 VA	
13	1DHC.CH.12 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
14	1DHC.CH.13 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
15	1DHC.CH.13 CONTROLS	3	400 A	20 A	500 VA	
16	1DHC.CH.13 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
17						
18						
19						
20						
				Total Conn. Load:	319100 VA	
				Total Amps:	384 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	319100 VA	80.00%	255280 VA		
				Total Conn. Load:	319100 VA
				Total Est. Demand:	255280 VA
				Total Conn. Current:	384 A
				Total Est. Demand Current:	307 A

Notes:

DIST. PANEL: N-UPS-O2

Location:
Supply From: MSG-1-N1O
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1MG.DOAS.01	3	400 A	80 A	45413 VA	
2	1MG.DOAS.02	3	400 A	80 A	45413 VA	
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	90826 VA	
				Total Amps:	109 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	90826 VA	80.00%	72661 VA		
				Total Conn. Load:	90826 VA
				Total Est. Demand:	72661 VA
				Total Conn. Current:	109 A
				Total Est. Demand Current:	87 A

Notes:

DIST. PANEL: N-UPS-P1

Location:
Supply From: MSG-1-N1P
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	1DHC.PPMP.14	3	400 A	70 A	41430 VA	
2	1DHC.PPMP.15	3	400 A	70 A	41430 VA	
3	1DHC.PPMP.16	3	400 A	70 A	41430 VA	
4	1DHC.CH.14 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
5	1DHC.CH.14 CONTROLS	3	400 A	20 A	500 VA	
6	1DHC.CH.14 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
7	1DHC.CH.15 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
8	1DHC.CH.15 CONTROLS	3	400 A	20 A	500 VA	
9	1DHC.CH.15 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
10	1DHC.CH.16 HEAT TRACE ENCLOSURE	3	400 A	20 A	7570 VA	PROVIDE GFPE BREAKER
11	1DHC.CH.16 CONTROLS	3	400 A	20 A	500 VA	
12	1DHC.CH.16 PUMP & CONTROLS ENCLOSURE	3	400 A	50 A	30275 VA	
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	239325 VA	
				Total Amps:	288 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	239325 VA	80.00%	191460 VA		
				Total Conn. Load:	239325 VA
				Total Est. Demand:	191460 VA
				Total Conn. Current:	288 A
				Total Est. Demand Current:	230 A

Notes:

DIST. PANEL: N-UPS-P2

Location:
Supply From: MSG-1-N1P
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

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salasobrien.com 615.346.3400
Nashville
2950 Kraft Drive
Nashville, TN 37204

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ679

Branch Panel: NHBP-HEQ

Location:
Supply From: MSG-1-H1B
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	1EG13.SWUD.01	110 A	3	2018...	2018...					3	110 A	1EG14.SWUD.01	2
3	--	--	--			2018...	2018...			--	--	--	4
5	--	--	--					2018...	2018...	--	--	--	6
7	1EG13.SWUD.02	110 A	3	2018...	2018...					3	110 A	1EG14.SWUD.02	8
9	--	--	--			2018...	2018...			--	--	--	10
11	--	--	--					2018...	2018...	--	--	--	12
13	1MG39.SWUD.01	110 A	3	2018...	2018...					3	110 A	1MG39.SWUD.02	14
15	--	--	--			2018...	2018...			--	--	--	16
17	--	--	--					2018...	2018...	--	--	--	18
19	1MG39.SWUD.03	110 A	3	2018...	3377...					3	175 A	T-NHBP-WLEQ2	20
21	--	--	--			2018...	3111...			--	--	--	22
23	--	--	--					2018...	2828...	--	--	--	24
25	1DHB.HUM.01	30 A	3	4988...	4988...					3	30 A	1DHB.HUM.02	26
27	--	--	--			4988...	4988...			--	--	--	28
29	--	--	--					4988...	4988...	--	--	--	30
31	1DHC.HUM.01	30 A	3	4988...	4988...					3	30 A	1DHC.HUM.02	32
33	--	--	--			4988...	4988...			--	--	--	34
35	--	--	--					4988...	4988...	--	--	--	36
37	1DHA.HUM.01	30 A	3	4988...	4988...					3	30 A	1DHA.HUM.02	38
39	--	--	--			4988...	4988...			--	--	--	40
41	--	--	--					4988...	4988...	--	--	--	42
			Total Load:	204994 VA		202332 VA		199503 VA					
			Total Amps:	742 A		732 A		720 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	606829 VA	80.00%	485463 VA		
				Total Conn. Load:	606829 VA
				Total Est. Demand:	485463 VA
				Total Conn. Current:	730 A
				Total Est. Demand Current:	584 A

Notes:

Branch Panel: NHBP-LP

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

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	SOUTH WEST DATA HALL B & C AREA...	20 A	1	2836...	3258...					1	20 A	MECHANICAL GALLERY 01.F.25 LIGHTING	2
3	SOUTH WEST DATA HALL B & C AREA...	20 A	1			3887...	3552...			1	20 A	NORTH WEST DATA HALL B & C AREA...	4
5	SOUTH EAST DATA HALL B & C AREA...	20 A	1					3887...	3549...	1	20 A	WEST DATA HALL C LIGHTING	6
7	EAST DATA HALL C LIGHTING	20 A	1	3380...	1244...					2	20 A	SITE LIGHTING - NORTH	8
9	DATA HALL B & C HOT AISLE LIGHTING	20 A	1			3564...	0 VA			--	--	--	10
11	DATA HALL CIRCULATION LIGHTING	20 A	1					3276...	1332...	1	20 A	EXTERIOR WALL PACK - NORTH	12
13	EXTERIOR WALL PACK - NORTH	20 A	1	1480...	2799...					2	20 A	SITE LIGHTING - SOUTH	14
15	SITE LIGHTING - NORTH	20 A	2			1866...	0 VA			--	--	--	16
17	--	--	--					0 VA	2940...	1	20 A	CHILLER YARD EXTERIOR WALL PACK	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:	14849 VA		12789 VA		14984 VA					
			Total Amps:	55 A		46 A		55 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	42595 VA	100.00%	42595 VA		
				Total Conn. Load:	42595 VA
				Total Est. Demand:	42595 VA
				Total Conn. Current:	51 A
				Total Est. Demand Current:	51 A

Notes:

Branch Panel: NHBP-RP-A.16

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

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

A.I.C. Rating: 42 KACI
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE - MECHANICAL GALLERY 01.F....	20 A	1	1440...	1080...					1	20 A	RECEPTACLE - DATA HALL CIRCULATION...	2
3	RECEPTACLE - DATA HALL B 01.F.26	20 A	1			1260...	500 VA			1	20 A	WATER COOLER - DATA HALL CIRCULATION...	4
5	RECEPTACLE - MECHANICAL GALLER Y...	20 A	1					1440...	1260...	1	20 A	RECEPTACLE - DATA HALL C 01.F.27	6
7	RECEPTACLE - DATA HALL CIRCULATION...	20 A	1	1080...	2829...					2	60 A	1GSIDF40.SSOU.02	8
9	1GSIDF40.SSOU.01	60 A	2			2829...	2829...			--	--	--	10
11	--	--	--					2829...	2829...	2	60 A	1GSIDF35.SSOU.01	12
13	1GSIDF35.SSOU.02	60 A	2	2829...	2829...					--	--	--	14
15	--	--	--			2829...							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:	12086 VA		10246 VA		8358 VA					
			Total Amps:	103 A		88 A		70 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	22630 VA	80.00%	18104 VA		
Receptacle	7560 VA	100.00%	7560 VA	**Total Conn. Load:**	30690 VA
Equipment	500 VA	100.00%	500 VA	**Total Est. Demand:**	26164 VA
				Total Conn. Current:	85 A
				Total Est. Demand Current:	73 A

Notes:

Branch Panel: NHBP-RP-F.16

Location:
Supply From: T-NHBP-RP-F.16
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 42 KACI
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Demand Code	TRIP	P	A		B		C		P	TRIP	Demand Code	Circuit Description	CKT
1	RECEPTACLE - ELECTRICAL GALLERY 01.F....	Recept...	20 A	1	1440	500					1	20 A	Equip...	WATER COOLER - DATA HALL CIRCULATIO...	2
3	RECEPTACLE - ELECTRICAL GALLERY 01.F....	Recept...	20 A	1			1440	1440			1	20 A	Recept...	RECEPTACLE - DATA HALL B 01.F.26	4
5	RECEPTACLE - HOUSE ELCTRICAL 01.F.10	Recept...	20 A	1					900	1260	1	20 A	Recept...	RECEPTACLE - DATA HALL CIRCULATION...	6
7	RECEPTACLE - MMR 01.F.01 & FIRE RISER...	Recept...	20 A	1	1440	0					2	20 A	Power	GEN-1	8
9	RECEPTACLE - DATA HALL C 01.F.27	Recept...	20 A	1			1440	0			--	--	--	--	10
11	RECEPTACLE - STORAGE 01.F.17	Recept...	20 A	1					720						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:	3380 VA		4320 VA		2880 VA						
				Total Amps:	29 A		37 A		24 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	0 VA	0.00%	0 VA		
Equipment	500 VA	100.00%	500 VA	**Total Conn. Load:**	10580 VA
Receptacle	10080 VA	99.60%	10040 VA	**Total Est. Demand:**	10540 VA
				Total Conn. Current:	29 A
				Total Est. Demand Current:	29 A

Notes:

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Nashville, TN 37204

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AUBURNDALE, FL 33823

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ680

Branch Panel: SHBP-HEQ

Location:
Supply From: MSG-1-H1A
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	1EG04.SWUD.02	80 A	3	1572...	1572...					3	80 A	1EG04.SWUD.01	2
3	--	--	--			1572...	1572...			--	--	--	4
5	--	--	--					1572...	1572...	--	--	--	6
7	1EG07.SWUD.01	110 A	3	2018...	2018...					3	110 A	1EG07.SWUD.02	8
9	--	--	--			2018...	2018...			--	--	--	10
11	--	--	--					2018...	2018...	--	--	--	12
13	1MG34.SWUD.01	80 A	3	1572...	1572...					3	80 A	1MG34.SWUD.02	14
15	--	--	--			1572...	1572...			--	--	--	16
17	--	--	--					1572...	1572...	--	--	--	18
19	T-SHBP-WLEQ1	175 A	3	1162...	4988...					3	30 A	1NH.HUM.01	20
21	--	--	--			1168...	4988...			--	--	--	22
23	--	--	--					8699...	4988...	--	--	--	24
25	1NH.HUM.02	30 A	3	4988...	1147...					3	60 A	1ADM.SSOU.01	26
27	--	--	--			4988...	1147...			--	--	--	28
29	--	--	--					4988...	1147...	--	--	--	30
31	1ADM.SSOU.02	60 A	3	1147...	2000...					3	20 A	WH-1	32
33	--	--	--			1147...	2000...			--	--	--	34
35	--	--	--					1147...	2000...	--	--	--	36
37	WH-2	20 A	3	2000...	2000...					3	20 A	WH-3	38
39	--	--	--			2000...	2000...			--	--	--	40
41	--	--	--					2000...	2000...	--	--	--	42
		Total Load:		153797 VA		153861 VA		150876 VA					
		Total Amps:		557 A		557 A		545 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	440534 VA	80.00%	352427 VA		
Heating	18000 VA	100.00%	18000 VA	**Total Conn. Load:**	458534 VA
				Total Est. Demand:	370427 VA
				Total Conn. Current:	552 A
				Total Est. Demand Current:	446 A

Notes:

Branch Panel: SHBP-LP

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

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LIGHTING - OFFICE	20 A	1	3647...	3725...					1	20 A	SOUTH WEST DATA HALL A AREA LIGHTING	2
3	LIGHTING - SECURITY & STORAGE AREA	20 A	1			2806...	3286...			1	20 A	SOUTH WEST DATA HALL A AREA LIGHTING	4
5	LIGHTING - LOADING AREA	20 A	1					2320...	2592...	1	20 A	SOUTH EAST DATA HALL A AREA LIGHTING	6
7	SOUTH EAST DATA HALL A AREA LIGHTING	20 A	1	2968...	3999...					1	20 A	NORTH EAST DATA HALL A AREA LIGHTING	8
9	NORTH WEST DATA HALL A AREA LIGHTING	20 A	1			3897...	2310...			1	20 A	NETWORK HALL A HOT AISLE LIGHTING	10
11	NORTH WEST DATA HALL A AREA LIGHTING	20 A	1					3718...	1782...	1	20 A	DATA HALL A HOT AISLE LIGHTING	12
13	SITE LIGHTING - SOUTH	20 A	2	3110...	1628...					1	20 A	EXTERIOR WALL PACK - SOUTH	14
15	--	--	--			0 VA	2380...			1	20 A	CHILLER YARD EXTERIOR WALL PACK	16
17	EXTERIOR WALL PACK - SOUTH	20 A	1					1924...	1600...	1	80 A	WH-5	18
19	WH-6	80 A	1	1600...	1600...					1	80 A	WH-7	20
21	WH-8	80 A	1			1600...							22
23	WH-4	50 A	1					1000...					24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		50526 VA		30294 VA		37915 VA					
		Total Amps:		187 A		109 A		141 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	74000 VA	80.00%	59200 VA		
Lighting	45947 VA	100.00%	45947 VA	**Total Conn. Load:**	118704 VA
				Total Est. Demand:	104013 VA
				Total Conn. Current:	143 A
				Total Est. Demand Current:	125 A

Notes:

Branch Panel: SHBP-RP-A.6

Location:
Supply From: T-SHBP-RP-A.6
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 42 KACI
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 250 A

Notes:

CKT	Circuit Description	Demand Code	TRIP	P	A		B		C		P	TRIP	Demand Code	Circuit Description	CKT
1	SECURITY CONTROL ROOM - TV	Recept...	20 A	1	1180	1440					1	20 A	Recept...	LOBBY / RECEPTION / WC	2
3	LOBBY 01.A.01 / MEETUP 01.B.29 - TV	Equip...	20 A	1			1000	1080			1	20 A	Recept...	POD 01.B.31	4
5	SECURITY BRIEFING RM	Recept...	20 A	1					1260	1180	1	20 A	Recept...	SECURITY CONTROL ROOM - TV	6
7	CMCC	Recept...	20 A	1	1080	1260					1	20 A	Recept...	DMEF / EMERGENCY SUPPLIES	8
9	CMCC - TV	Recept...	20 A	1			1180	1260			1	20 A	Recept...	CMCC	10
11	EE SERVICE DECK	Recept...	20 A	1					1440	1180	1	20 A	Recept...	MEETUP 01.B.29 - TV	12
13	MED CONFERENCE / COPY	Recept...	20 A	1	900	1180					1	20 A	Recept...	MEDIDUM CONFERENCE - TV	14
15	MICROKITCHEN - REFRIGERATOR	Equip...	20 A	1			1200	1200			1	20 A	Equip...	MICROKITCHEN - REFRIGERATOR	16
17	MICROKITCHEN - VENDING MACHINE	Equip...	20 A	1					1200	1200	1	20 A	Equip...	MICROKITCHEN - VENDING MACHINE	18
19	MICROKITCHEN - DISHWASHER	Recept...	20 A	1	1400	1260					1	20 A	Recept...	MICROKITCHEN / LOGISTICS STORAGE	20
21	OPEN OFFICE - WATER COOLER	Equip...	20 A	1			500	720			1	20 A	Recept...	DAY OFFICE / HUDDLE	22
23	DAY OFFICE / HUDDLE - TV	Equip...	20 A	1					1000	1000	1	20 A	Equip...	H COZY - TV	24
25	DAY OFFICE / HUDDLE - TV	Equip...	20 A	1	1000	720					1	20 A	Recept...	OPEN OFFICE / BREAK	26
27	SPOKE	Equip...	20 A	1			2500	2000			1	20 A	Equip...	SPOKE	28
29	SPOKE	Recept...	20 A	1					1080	180	1	20 A	Recept...	SPOKE - EQUIPMENT	30
31	SPOKE - EQUIPMENT	Recept...	20 A	1	180	1080					1	20 A	Recept...	ERAD	32
33	ERAD	Recept...	20 A	1			900	1440			1	20 A	Recept...	MECHANICAL GALLERY	34
35	NETWORK HALL	Recept...	20 A	1					1260	1440	1	20 A	Recept...	DATA HALL CIRCULATION	36
37	DATA HALL A	Recept...	20 A	1	1440	180					1	20 A	Recept...	HELPDESK 01.B.17 / COPY 01.B.16	38
39	SOUTH EXTERIAL W/P OUTLET	Recept...	20 A	1			900	1440			1	20 A	Recept...	DATA HALL CIRCULATION	40
41	LACTATION01.B.12	Recept...	20 A	1					360	1260	1	20 A	Recept...	GS-MDF / M&E SUPPORT	42
		Total Load:			14300 VA		17320 VA		15040 VA						
		Total Amps:			119 A		145 A		126 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	18800 VA	100.00%	18800 VA		
Receptacle	27860 VA	67.95%	18930 VA	**Total Conn. Load:**	46660 VA
				Total Est. Demand:	37730 VA
				Total Conn. Current:	130 A
				Total Est. Demand Current:	105 A

Notes:

Branch Panel: SHBP-RP-F.4

Location:
Supply From: T-SHBP-RP-F.4
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 42 KACI
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 250 A

Notes:

CKT	Circuit Description	Demand Code	TRIP	P	A		B		C		P	TRIP	Demand Code	Circuit Description	CKT
1	STACING 01.E.06 / TUG PARKING 01.E.11	Recept...	20 A	1	1260	1180					1	20 A	Recept...	LOADING 01.E.02 - TV	2
3	STAGING 01.E. 06 OVERHEAD DOOR	Recept...	20 A	1			720	720			1	20 A	Recept...	STAGING 01.E. 06 OVERHEAD DOOR	4
5	LOADING 01.E.02 - TV	Recept...	20 A	1					1180	1440	1	20 A	Recept...	SHIPPING & RECEIVING OFFICE	6
7	SHIPING & RECEIVING / MATRIALS / TUG...	Recept...	20 A	1	1080	1080					1	20 A	Recept...	MAINTENENCE 01.D.01	8
9	EF 01.E.05 / MMR 01.E.09 / MAINTENENCE...	Recept...	20 A	1			1440	1080			1	20 A	Recept...	MAINTENENCE 01.D.01	10
11	MMR 01.E.09	Recept...	20 A	1					1080	500	1	20 A	Equip...	MAINTENENCE 01.D.01	12
13	MAINTENENCE 01.D.01	Equip...	20 A	1	500	500					1	20 A	Equip...	MAINTENENCE 01.D.01	14
15	MAINTENENCE 01.D.01	Equip...	20 A	1			500	500			1	20 A	Equip...	MAINTENENCE 01.D.01	16
17	MAINTENENCE 01.D.01	Equip...	20 A	1					500	500	1	20 A	Equip...	MAINTENENCE 01.D.01	18
19	MAINTENENCE 01.D.01	Equip...	20 A	1	500	1080					1	20 A	Recept...	SITE OPS STORAGE 01.D.04	20
21	FACILITY OPS STORAGE 01.D.02	Recept...	20 A	1			1440	500			1	20 A	Equip...	REFRIGERATOR - MICROKITCHEN & MEETU...	22
23	FACILITY OPS STORAGE 01.D.02	Recept...	20 A	1					1260	900	1	20 A	Recept...	LACTATION	24
25	SITE OPS STORAGE 01.D.04	Recept...	20 A	1	1080	360					1	20 A	Recept...	SECURITY CONTROL ROOM 01.C.02 - TV	26
27	SITE OPS STORAGE 01.D.04	Recept...	20 A	1			900	1200			1	20 A	Equip...	LACTATION - REFRIGERATOR	28
29	SECURITY BREFING RM / CONTROL RM / OPS	Recept...	20 A	1					540	500	1	20 A	Equip...	LACTATION - MICROWAVE	30
31	SPOKE 01.F.29	Recept...	20 A	1	360										32
33															34
35										1180	1	20 A	Recept...	TRAINING 01.B.01 - TV	36
37	TRAINING 01.B.01	Recept...	20 A	1	1440	1440					1	20 A	Recept...	TRAINING 01.B.01	38
39	TRAINING 01.B.01	Recept...	20 A	1			1260	1080			1	20 A	Recept...	FIRE RISER / WORKSPACE / WC / JAN	40
41	EM SUPPLIES / INTERFAITH / QUIET	Recept...	20 A	1					1180	1440	1	20 A	Recept...	DATA HALL CIRCULATION 01.F.42	42
43						1260					1	20 A	Recept...	NETWORK HALL 01.F.24	44
45	ELECTRICAL GALLERY 01.F.42 & MV ROOM...	Recept...	20 A	1			1260	1260			1	20 A	Recept...	ELECTRICAL GALLERY 01.F.07 & MV ROOM...	46
47	UPS 01.F.23 & M&E SUPPORT 01.F.29 & MDF...	Recept...	20 A	1					1260	1440	1	20 A	Recept...	DATA HALL A 01.F.25	48
49	FIRE RISER 01.F.08 & BLDG ELEC 01.F.18 &...	Recept...	20 A	1	1260	1333					3	30 A	Motor	LOADING 01.E.11 - OH DOOR DISCONNECT...	50
51	DATA HALL CIRCULATION 01.F.42 & JAN...	Recept...	20 A	1			1440	1333			--	--	--	--	52
53	NORTH EXTERIAL W/P OUTLET	Recept...	20 A	1					540	1333	--	--	--	--	54
55	WORKSPACE 01.E.08 - VENDING MACHINE	Equip...	20 A	1	1200	900					1	20 A	Recept...	MV ROOM 01.F.05/06	56
57	MAINTAINANCE 01.D.01 - AIR COMPRESSOR	Other	20 A	2			0	900			1	20 A	Recept...	UPS 01.F.24	58
59	--	--	--	--					0	1080	1	20 A	Recept...	WC / JAN / FIRE RISER	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:			17813 VA		17533 VA		17853 VA						
		Total Amps:			149 A		146 A		149 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	4000 VA	100.00%	4000 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	53200 VA
Equipment	11400 VA	100.00%	11400 VA	**Total Est. Demand:**	39300 VA
Receptacle	37800 VA	63.23%	23900 VA	**Total Conn. Current:**	148 A
				Total Est. Demand Current:	109 A

Notes:

Salas O'Brien
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Nashville, TN 37204

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2026.09.21

CHARLES W. FARNHAM LICENSE No 53653 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Charles W. Farnham

NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ681

Switchboard: MSG-1-N1A

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-A1	3	800 A	283248 VA	
2	N-UPS-A2	3	800 A	425116 VA	
3	1NH.CH.01	3	1000 A	688684 VA	
4	1NH.CH.02	3	1000 A	688684 VA	
5	1NH.CH.03	3	1000 A	688684 VA	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				2774416 VA	
				3337 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2739416 VA	80.00%	2191533 VA		
Power	35000 VA	80.00%	28000 VA	**Total Conn. Load:**	2774416 VA
				Total Est. Demand:	2219533 VA
				Total Conn. Current:	3337 A
				Total Est. Demand Current:	2670 A

Notes:

Switchboard: MSG-1-N1B

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-B1	3	800 A	311030 VA	
2	N-UPS-B2	3	800 A	519178 VA	
3	1NH.CH.04	3	1000 A	688684 VA	
4	1NH.CH.05	3	1000 A	688684 VA	
5	1NH.CH.06	3	1000 A	688684 VA	
6	1NH.CH.07	3	1000 A	688684 VA	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				3584944 VA	
				4312 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3584944 VA	80.00%	2867955 VA		
				Total Conn. Load:	3584944 VA
				Total Est. Demand:	2867955 VA
				Total Conn. Current:	4312 A
				Total Est. Demand Current:	3450 A

Notes:

Switchboard: MSG-1-N1C

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-C1	3	800 A	319100 VA	
2	N-UPS-C2	3	800 A	135634 VA	
3	1NH.CH.08	3	1000 A	688684 VA	
4	1NH.CH.09	3	1000 A	688684 VA	
5	1NH.CH.10	3	1000 A	688684 VA	
6	1NH.CH.11	3	1000 A	688684 VA	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				3209470 VA	
				3860 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3209470 VA	80.00%	2567576 VA		
				Total Conn. Load:	3209470 VA
				Total Est. Demand:	2567576 VA
				Total Conn. Current:	3860 A
				Total Est. Demand Current:	3088 A

Notes:

Switchboard: MSG-1-N1D

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-D1	3	800 A	327170 VA	
2	N-UPS-D2	3	800 A	0 VA	
3	1NH.CH.13	3	1000 A	688684 VA	
4	1NH.CH.14	3	1000 A	688684 VA	
5	1DHA.CH.01	3	1000 A	688684 VA	
6	1NH.CH.12	3	1000 A	688684 VA	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				3081906 VA	
				3707 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3081906 VA	80.00%	2465525 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	3081906 VA
				Total Est. Demand:	2465525 VA
				Total Conn. Current:	3707 A
				Total Est. Demand Current:	2966 A

Notes:

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Nashville, TN 37204

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ682

Switchboard: MSG-1-N1E

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	N-UPS-E1	3	400 A	800 A	319100 VA	
2	N-UPS-E2	3	400 A	800 A	0 VA	
3	1DHA.CH.02	3	400 A	1000 A	688684 VA	
4	1DHA.CH.03	3	400 A	1000 A	688684 VA	
5	1DHA.CH.04	3	400 A	1000 A	688684 VA	
6	1DHA.CH.05	3	400 A	1000 A	688684 VA	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	3073836 VA	
				Total Amps:	3697 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3073836 VA	80.00%	2459069 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	3073836 VA
				Total Est. Demand:	2459069 VA
				Total Conn. Current:	3697 A
				Total Est. Demand Current:	2958 A

Notes:

Switchboard: MSG-1-N1F

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-F1	3	800 A	319100 VA	
2	N-UPS-F2	3	800 A	0 VA	
3	1DHA.CH.06	3	1000 A	688684 VA	
4	1DHA.CH.07	3	1000 A	688684 VA	
5	1DHA.CH.08	3	1000 A	688684 VA	
6	1DHA.CH.09	3	1000 A	688684 VA	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				3073836 VA	
				3697 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3073836 VA	80.00%	2459069 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	3073836 VA
				Total Est. Demand:	2459069 VA
				Total Conn. Current:	3697 A
				Total Est. Demand Current:	2958 A

Notes:

Switchboard: MSG-1-N1G

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-G1	3	800 A	319100 VA	
2	N-UPS-G2	3	800 A	0 VA	
3	1DHA.CH.10	3	1000 A	688684 VA	
4	1DHA.CH.11	3	1000 A	688684 VA	
5	1DHA.CH.12	3	1000 A	688684 VA	
6	1DHA.CH.13	3	1000 A	688684 VA	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				3073836 VA	
				3697 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3073836 VA	80.00%	2459069 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	3073836 VA
				Total Est. Demand:	2459069 VA
				Total Conn. Current:	3697 A
				Total Est. Demand Current:	2958 A

Notes:

Switchboard: MSG-1-N1H

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-H1	3	800 A	319100 VA	
2	N-UPS-H2	3	800 A	474000 VA	
3	1DHA.CH.14	3	1000 A	688684 VA	
4	1DHA.CH.15	3	1000 A	688684 VA	
5	1DHA.CH.16	3	1000 A	688684 VA	
6	1DHB.CH.01	3	1000 A	688684 VA	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				3547836 VA	
				4267 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3547836 VA	80.00%	2838269 VA		
				Total Conn. Load:	3547836 VA
				Total Est. Demand:	2838269 VA
				Total Conn. Current:	4267 A
				Total Est. Demand Current:	3414 A

Notes:

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NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ683

Switchboard: MSG-1-N1I

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-I1	3	800 A	319100 VA	
2	N-UPS-I2	3	800 A	474000 VA	
3	1DHB.CH.02	3	1000 A	688684 VA	
4	1DHB.CH.03	3	1000 A	688684 VA	
5	1DHB.CH.04	3	1000 A	688684 VA	
6	1DHB.CH.05	3	1000 A	688684 VA	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				3547836 VA	
				4267 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3547836 VA	80.00%	2838269 VA		
				Total Conn. Load:	3547836 VA
				Total Est. Demand:	2838269 VA
				Total Conn. Current:	4267 A
				Total Est. Demand Current:	3414 A

Notes:

Switchboard: MSG-1-N1J

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-J1	3	800 A	319100 VA	
2	N-UPS-J2	3	800 A	0 VA	
3	1DHB.CH.06	3	1000 A	688684 VA	
4	1DHB.CH.07	3	1000 A	688684 VA	
5	1DHB.CH.08	3	1000 A	688684 VA	
6	1DHB.CH.09	3	1000 A	688684 VA	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				3073836 VA	
				3697 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3073836 VA	80.00%	2459069 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	3073836 VA
				Total Est. Demand:	2459069 VA
				Total Conn. Current:	3697 A
				Total Est. Demand Current:	2958 A

Notes:

Switchboard: MSG-1-N1K

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-K1	3	800 A	327100 VA	
2	N-UPS-K2	3	800 A	0 VA	
3	1DHB.CH.10	3	1000 A	688684 VA	
4	1DHB.CH.11	3	1000 A	688684 VA	
5	1DHB.CH.12	3	1000 A	688684 VA	
6	1DHB.CH.13	3	1000 A	688684 VA	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				3081836 VA	
				3707 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3073836 VA	80.00%	2459069 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	3081836 VA
Power	8000 VA	80.00%	6400 VA	**Total Est. Demand:**	2465469 VA
				Total Conn. Current:	3707 A
				Total Est. Demand Current:	2965 A

Notes:

Switchboard: MSG-1-N1L

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-L1	3	800 A	341600 VA	
2	N-UPS-L2	3	800 A	0 VA	
3	1DHB.CH.14	3	1000 A	688684 VA	
4	1DHB.CH.15	3	1000 A	688684 VA	
5	1DHB.CH.16	3	1000 A	688684 VA	
6	1DHC.CH.01	3	1000 A	688684 VA	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				3096336 VA	
				3724 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3073836 VA	80.00%	2459069 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	3096336 VA
Power	22500 VA	80.00%	18000 VA	**Total Est. Demand:**	2477069 VA
				Total Conn. Current:	3724 A
				Total Est. Demand Current:	2979 A

Notes:

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BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

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09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ684

Switchboard: MSG-1-N1M

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-M1	3	800 A	328023 VA	
2	N-UPS-M2	3	800 A	542518 VA	
3	1DHC.CH.02	3	1000 A	688684 VA	
4	1DHC.CH.03	3	1000 A	688684 VA	
5	1DHC.CH.04	3	1000 A	688684 VA	
6	1DHC.CH.05	3	1000 A	688684 VA	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				3625277 VA	
				4361 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3625277 VA	80.00%	2900222 VA		
				Total Conn. Load:	3625277 VA
				Total Est. Demand:	2900222 VA
				Total Conn. Current:	4361 A
				Total Est. Demand Current:	3488 A

Notes:

Switchboard: MSG-1-N1N

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-N1	3	800 A	358139 VA	
2	N-UPS-N2	3	800 A	142613 VA	
3	1DHC.CH.06	3	1000 A	688684 VA	
4	1DHC.CH.07	3	1000 A	688684 VA	
5	1DHC.CH.08	3	1000 A	688684 VA	
6	1DHC.CH.09	3	1000 A	688684 VA	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				3255488 VA	
				3916 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3255488 VA	80.00%	2604391 VA		
				Total Conn. Load:	3255488 VA
				Total Est. Demand:	2604391 VA
				Total Conn. Current:	3916 A
				Total Est. Demand Current:	3133 A

Notes:

Switchboard: MSG-1-N1O

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-O1	3	800 A	319100 VA	
2	N-UPS-O2	3	800 A	90826 VA	
3	1DHC.CH.10	3	1000 A	688684 VA	
4	1DHC.CH.11	3	1000 A	688684 VA	
5	1DHC.CH.12	3	1000 A	688684 VA	
6	1DHC.CH.13	3	1000 A	688684 VA	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				3164662 VA	
				3806 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3164662 VA	80.00%	2531730 VA		
				Total Conn. Load:	3164662 VA
				Total Est. Demand:	2531730 VA
				Total Conn. Current:	3806 A
				Total Est. Demand Current:	3045 A

Notes:

Switchboard: MSG-1-N1P

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	N-UPS-P1	3	800 A	239325 VA	
2	N-UPS-P2	3	800 A	0 VA	
3	1DHC.CH.14	3	1000 A	688684 VA	
4	1DHC.CH.15	3	1000 A	688684 VA	
5	1DHC.CH.16	3	1000 A	688684 VA	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				2305377 VA	
				2773 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2305377 VA	80.00%	1844302 VA		
Other	0 VA	0.00%	0 VA		
				Total Conn. Load:	2305377 VA
				Total Est. Demand:	1844302 VA
				Total Conn. Current:	2773 A
				Total Est. Demand Current:	2218 A

Notes:

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

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09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ685

Switchboard: MSG-1-NT1A

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	ATS-1-NT1A-A	3	2500 A	0 VA	
2	ATS-1-NT1A-B	3	2500 A	0 VA	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				0 VA	
				0 A	

Legend:

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

Notes:

Switchboard: MSG-1-NT1B

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	ATS-1-NT1B-A	3	2500 A	0 VA	
2	ATS-1-NT1B-B	3	2500 A	0 VA	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				0 VA	
				0 A	

Legend:

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

Notes:

Switchboard: MSG-1-NT1C

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	ATS-1-NT1C-A	3	2500 A	0 VA	
2	ATS-1-NT1C-B	3	2500 A	0 VA	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				0 VA	
				0 A	

Legend:

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

Notes:

Switchboard: MSG-1-NT2C

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	ATS-1-NT2C-A	3	2500 A	0 VA	
2	ATS-1-NT2C-B	3	2500 A	0 VA	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				0 VA	
				0 A	

Legend:

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

Notes:

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salasobrien.com 615.346.3400
Nashville
2950 Kraft Drive
Nashville, TN 37204

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AUBURNDALE, FL 33823

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ686

Switchboard: MSG-1-NT2+1

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-NT2A

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	ATS-1-NT2A-A	3	2500 A	0 VA	
2	ATS-1-NT2A-B	3	2500 A	0 VA	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				0 VA	
				0 A	

Legend:

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

Notes:

Switchboard: MSG-1-NT2B

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	ATS-1-NT2B-A	3	2500 A	0 VA	
2	ATS-1-NT2B-B	3	2500 A	0 VA	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				0 VA	
				0 A	

Legend:

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

Notes:

Switchboard: MVSG-1-1A

Location: | **Volts:** None | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** Not Computed | **Mains Type:** MCB
Mounting: | **Wires:** Not Computed | **Mains Rating:** 2000 A
Enclosure: | **MCB Rating:** 2000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	Not Computed	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	Not Computed
				Total Est. Demand Current:	Not Computed

Notes:

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salasobrien.com 615.346.3400
Nashville
2950 Kraft Drive
Nashville, TN 37204

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NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ687

Switchboard: MSG-1-C1G

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C1+1B

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C1A

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C1B

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ688

Switchboard: MSG-1-C1C

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C1D

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C1E

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C1F

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

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Nashville, TN 37204

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NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ689

Switchboard: MSG-1-C1H

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C2+1B

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C2A

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C2B

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

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BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ690

1 2 3 4

A B C D

Switchboard: MSG-1-C2C

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C2D

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C2E

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C2F

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

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BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

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Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ691

Switchboard: MSG-1-C2G

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C2H

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1						
2						
3						
4						
5						
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11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C3+1A

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C3A

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

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salasobrien.com 615.346.3400
Nashville
2950 Kraft Drive
Nashville, TN 37204

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NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ692

Switchboard: MSG-1-C3B

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C3C

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C3D

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C3E

Location: | **Volts:** 480/277 Wye | **A.I.C. Rating:** 65 KAIC
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: | **Wires:** 4 | **Mains Rating:** 5000 A
Enclosure: | **MCB Rating:** 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

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BUILDING 1

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AUBURNDALE, FL 33823

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ693

Switchboard: MSG-1-C3F

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C3G

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-C3H

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	0 A	

Legend:

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

Notes:

Switchboard: MSG-1-H1A

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	SHDP	3	800 A	218216 VA	
2	HLS1	3	400 A	42838 VA	
3	SHBP-HEQ	3	800 A	458534 VA	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				717723 VA	
				863 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	514534 VA	80.00%	411627 VA		
Lighting	86647 VA	100.00%	86647 VA	**Total Conn. Load:**	717723 VA
Motor	4000 VA	100.00%	4000 VA	**Total Est. Demand:**	587092 VA
Other	0 VA	0.00%	0 VA	**Total Conn. Current:**	863 A
Heating	18000 VA	100.00%	18000 VA	**Total Est. Demand Current:**	706 A
Equipment	32440 VA	100.00%	32440 VA		
Receptacle	65660 VA	57.61%	37830 VA		

Notes:

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810 PACE RD.
AUBURNDALE, FL 33823

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09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ694

Switchboard: MSG-1-H1B

Location:
Supply From:
Mounting:
Enclosure:

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 5000 A
MCB Rating: 5000 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	NHDP	3	800 A	52857 VA	
2	NHBP-HEQ	3	800 A	606829 VA	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				658513 VA	
				792 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	606829 VA	80.00%	485463 VA		
Lighting	42595 VA	100.00%	42595 VA	**Total Conn. Load:**	658513 VA
Power	0 VA	0.00%	0 VA	**Total Est. Demand:**	537130 VA
Transformer	0 VA	0.00%	0 VA	**Total Conn. Current:**	792 A
Equipment	500 VA	100.00%	500 VA	**Total Est. Demand Current:**	646 A
Receptacle	10080 VA	99.60%	10040 VA		

Notes:

Switchboard: MVSG-1-1B

Location:
Supply From:
Mounting:
Enclosure:

Volts: None
Phases: Not Computed
Wires: Not Computed

A.I.C. Rating: 25 KAIC
Mains Type: MCB
Mains Rating: 2000 A
MCB Rating: 2000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	Not Computed	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	Not Computed
				Total Est. Demand Current:	Not Computed

Notes:

Switchboard: MVSG-1-2A

Location:
Supply From:
Mounting:
Enclosure:

Volts: None
Phases: Not Computed
Wires: Not Computed

A.I.C. Rating: 25 KAIC
Mains Type: MCB
Mains Rating: 2000 A
MCB Rating: 2000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	Not Computed	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	Not Computed
				Total Est. Demand Current:	Not Computed

Notes:

Switchboard: MVSG-1-2B

Location:
Supply From:
Mounting:
Enclosure:

Volts: None
Phases: Not Computed
Wires: Not Computed

A.I.C. Rating: 25KAIC
Mains Type: MCB
Mains Rating: 2000 A
MCB Rating: 2000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	Not Computed	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	Not Computed
				Total Est. Demand Current:	Not Computed

Notes:

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Nashville, TN 37204

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BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

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09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ695

Switchboard: MVSG-1-3A

Location:
Supply From:
Mounting:
Enclosure:

Volts: None
Phases: Not Computed
Wires: Not Computed

A.I.C. Rating: 25 KAIC
Mains Type: MCB
Mains Rating: 2000 A
MCB Rating: 2000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	Not Computed	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	Not Computed
				Total Est. Demand Current:	Not Computed

Notes:

Switchboard: MVSG-1-3B

Location:
Supply From:
Mounting:
Enclosure:

Volts: None
Phases: Not Computed
Wires: Not Computed

A.I.C. Rating: 25 KAIC
Mains Type: MCB
Mains Rating: 2000 A
MCB Rating: 2000 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						
19						
20						
				Total Conn. Load:	0 VA	
				Total Amps:	Not Computed	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	Not Computed
				Total Est. Demand Current:	Not Computed

Notes:

Switchboard: NHDP

Location:
Supply From: MSG-1-H1B
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	NHBP-LP	3	400 A	20 A	42595 VA	
2	T-NHBP-RP-F.16	3	400 A	20 A	10580 VA	
3	T-NHBP-RP-A.16	3	400 A	20 A	0 VA	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	52857 VA	
				Total Amps:	64 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	42595 VA	100.00%	42595 VA		
Power	0 VA	0.00%	0 VA	**Total Conn. Load:**	52857 VA
Transformer	0 VA	0.00%	0 VA	**Total Est. Demand:**	52818 VA
Receptacle	10080 VA	99.60%	10040 VA	**Total Conn. Current:**	64 A
Equipment	500 VA	100.00%	500 VA	**Total Est. Demand Current:**	64 A

Notes:

Switchboard: SHDP

Location:
Supply From: MSG-1-H1A
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	SHBP-LP	3	400 A	20 A	118704 VA	
2	T-SHBP-RP-F.3	3	400 A	20 A	53200 VA	
3	T-SHBP-RP-A.3	3	400 A	20 A	46660 VA	
4						
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7						
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12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	218216 VA	
				Total Amps:	262 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	74000 VA	80.00%	59200 VA		
Lighting	45947 VA	100.00%	45947 VA	**Total Conn. Load:**	218216 VA
Motor	4000 VA	100.00%	4000 VA	**Total Est. Demand:**	175687 VA
Other	0 VA	0.00%	0 VA	**Total Conn. Current:**	262 A
Receptacle	65660 VA	57.61%	37830 VA	**Total Est. Demand Current:**	211 A
Equipment	30200 VA	100.00%	30200 VA		

Notes:

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ696

Distribution Panel: H-UPS-A1

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

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

A.I.C. Rating: 65 KACI
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				0 VA	
				0 A	

Legend:

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

Notes:

Distribution Panel: H-UPS-IDF1

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

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

A.I.C. Rating: 65 KACI
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				0 VA	
				0 A	

Legend:

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

Notes:

Salas O'Brien
salasobrien.com 615.346.3400
Nashville
2950 Kraft Drive
Nashville, TN 37204

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NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ697

Branch Panel: NHBP-WLEQ2

Location:
Supply From: T-NHBP-WLEQ2
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 42 KACI
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Demand Code	TRIP	P	A	B	C	P	TRIP	Demand Code	Circuit Description	CKT
1	1BE18.SSOU.01	HVAC	30 A	1	2662	2829		2	60 A	HVAC	1GSID18.SSOU.01	2
3	1GSID18.SSOU.02	HVAC	60 A	2			2829	2829	--	--	--	4
5	--	--	--	--					--	--	--	6
7	1HE10.SSOU.01	HVAC	60 A	2	2829	2829			--	--	--	8
9	--	--	--	--			2829	2829	2	60 A	HVAC	1MV11.SSOU.01	10
11	1HE10.SSOU.02	HVAC	60 A	2					--	--	--	--	12
13	--	--	--	--	2829	2829			2	60 A	HVAC	1MV12.SSOU.01	14
15	1MV11.SSOU.02	HVAC	60 A	2			2829	2829	--	--	--	--	16
17	--	--	--	--					2	60 A	HVAC	1MV12.SSOU.02	18
19	1MV15.SSOU.01	HVAC	60 A	2	2829	2829			--	--	--	--	20
21	--	--	--	--			2829	2829	2	60 A	HVAC	1MV16.SSOU.01	22
23	1MV15.SSOU.02	HVAC	60 A	2					--	--	--	--	24
25	--	--	--	--	2829	2829			2	60 A	HVAC	1EFF01.SSOU.01	26
27	1MV16.SSOU.02	HVAC	60 A	2			2829	2829	--	--	--	--	28
29	--	--	--	--					2	60 A	HVAC	1GSIDF23.SSOU.01	30
31	1GSIDF23.SSOU.02	HVAC	60 A	2	2829	2829			--	--	--	--	32
33	--	--	--	--			2829						34
35													36
37													38
39													40
41													42
			Total Load:		33779 VA		31117 VA				28288 VA		
			Total Amps:		285 A		263 A				236 A		

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	93184 VA	80.00%	74547 VA		
				Total Conn. Load:	93184 VA
				Total Est. Demand:	74547 VA
				Total Conn. Current:	259 A
				Total Est. Demand Current:	207 A

Notes:

Branch Panel: SHBP-WLEQ1

Location:
Supply From: T-SHBP-WLEQ1
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 42 KACI
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Demand Code	TRIP	P	A	B	C	P	TRIP	Demand Code	Circuit Description	CKT
1	1ADM.SSIU.02-05	HVAC	20 A	1	312	2829		2	60 A	HVAC	1MV05.SSOU.01	2
3	1MV05.SSOU.02	HVAC	60 A	2			2829	2829	--	--	--	4
5	--	--	--	--					--	--	--	6
7	1MV06.SSOU.02	HVAC	60 A	2	2829	2829			--	--	--	8
9	--	--	--	--			2829	562	1	20 A	HVAC	1ADM.SSIU.01-01	10
11	1ADM.SSIU.01-04	HVAC	20 A	1					1	20 A	HVAC	1ADM.SSIU.01.07	12
13	1ADM.SSIU.01-06	HVAC	20 A	1	312	416			1	20 A	HVAC	1ADM.SSIU.01-12	14
15	1ADM.SSIU.01-03	HVAC	20 A	1			416	291	1	20 A	HVAC	1ADM.SSIU.01-11	16
17	1ADM.SSIU.01-14	HVAC	20 A	1					1	20 A	HVAC	1ADM.SSIU.02-01	18
19	1ADM.SSIU.01-05	HVAC	20 A	1	312	416			1	20 A	HVAC	1ADM.SSIU.02-05	20
21	1ADM.SSIU.01-08	HVAC	20 A	1			65	416	1	20 A	HVAC	1ADM.SSIU.02-06	22
23	1ADM.SSIU.01-09	HVAC	20 A	1					1	20 A	HVAC	1ADM.SSIU.02-07	24
25	1ADM.SSIU.01-10	HVAC	20 A	1	416	22			1	20 A	HVAC	1ADM.BRCH.02-01	26
27	1ADM.SSIU.02-02	HVAC	20 A	1			416	8	1	20 A	HVAC	1ADM.BRCH.02-02	28
29	1ADM.SSIU.02-03	HVAC	20 A	1					1	20 A	HVAC	1ADM.BRCH.01-01	30
31	1ADM.SSIU.02-04	HVAC	20 A	1	416	512			1	20 A	HVAC	1ADM.SSIU.02-08	32
33	1ADM.SSIU.02-09	HVAC	20 A	1			512	512	1	20 A	HVAC	1ADM.SSIU.02-10	34
35	1ADM.BRCH.01-02	HVAC	20 A	1				8	562	1	20 A	HVAC	1ADM.SSIU.01-02	36
37														38
39														40
41														42
			Total Load:		11620 VA		11684 VA				8699 VA		
			Total Amps:		101 A		101 A				72 A		

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	32003 VA	80.00%	25603 VA		
				Total Conn. Load:	32003 VA
				Total Est. Demand:	25603 VA
				Total Conn. Current:	89 A
				Total Est. Demand Current:	71 A

Notes:

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ698

Branch Panel: CP1

Location:
Supply From: T-CP1
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 22 KAIC
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 250 A

Notes:

CKT	Circuit Description	Demand Code	TRIP	P	A	B	C	P	TRIP	Demand Code	Circuit Description	CKT
1	MVSG-1-1A - CONTROLS POWER	Power	40 A	2	3250	3250		2	40 A	Power	MVSG-1-2A - CONTROL POWER	2
3	--	--	--	--		3250	3250	--	--	--	--	4
5	MVSG-1-1B - CONTROLS POWER	Power	40 A	2	3250		3250	2	40 A	Power	MVSG-1-2B-CONTROLS POWER	6
7	--	--	--	--	3250	3250		--	--	--	--	8
9	NET-1-1A+1 - CONTROLS	Power	20 A	1		500	500	1	20 A	Power	NET-1-1B - CONTROLS	10
11	NET-1-1A - CONTROLS	Power	20 A	1			500	1	20 A	Power	NET-1-1C - CONTROLS	12
13	NET-1-2C - CONTROLS	Power	20 A	1	500	500		1	20 A	Power	NET-1-2+1 - CONTROLS	14
15	NET-1-2B - CONTROLS	Power	20 A	1		500	500	1	20 A	Power	C-1-1+1 - CONTROLS	16
17	NET-1-2A - CONTROLS	Power	20 A	1			500	1	20 A	Power	C-1-1G - CONTROLS	18
19	C-1-1F - CONTROLS	Power	20 A	1	500	500		1	20 A	Power	C-1-1C - CONTROLS	20
21	C-1-1E - CONTROLS	Power	20 A	1		500	500	1	20 A	Power	C-1-1B - CONTROLS	22
23	C-1-1D - CONTROLS	Power	20 A	1			500	1	20 A	Power	C-1-1A - CONTROLS	24
25	C-1-1H - CONTROLS	Power	20 A	1	500	0		1	20 A	--	Spare	26
27	H-1-1A - CONTROLS	Power	20 A	1		500	0	1	20 A	--	Spare	28
29	Spare	--	20 A	1			0	1	20 A	--	Spare	30
31	Spare	--	20 A	1	0	0		1	20 A	--	Spare	32
33	Spare	--	20 A	1		0	0	1	20 A	--	Spare	34
35	Spare	--	20 A	1			0	1	20 A	--	Spare	36
37	Spare	--	20 A	1	0	0		1	20 A	--	Spare	38
39	Spare	--	20 A	1		0	0	1	20 A	--	Spare	40
41	Spare	--	20 A	1			0	1	20 A	--	Spare	42
43	Spare	--	20 A	1	0	0		1	20 A	--	Spare	44
45	Spare	--	20 A	1		0	0	1	20 A	--	Spare	46
47	Spare	--	20 A	1			0	1	20 A	--	Spare	48
49	Spare	--	20 A	1	0	0		1	20 A	--	Spare	50
51	Spare	--	20 A	1		0	0	1	20 A	--	Spare	52
53	Spare	--	20 A	1			0	1	20 A	--	Spare	54
55	Spare	--	20 A	1	0	0		1	20 A	--	Spare	56
57	Spare	--	20 A	1		0	0	1	20 A	--	Spare	58
59	Spare	--	20 A	1			0	1	20 A	--	Spare	60
61	Spare	--	20 A	1	0	0		1	20 A	--	Spare	62
63	Spare	--	20 A	1		0	0	1	20 A	--	Spare	64
65	Spare	--	20 A	1			0	1	20 A	--	Spare	66
67	Spare	--	20 A	1	0	0		1	20 A	--	Spare	68
69	Spare	--	20 A	1		0	0	1	20 A	--	Spare	70
71	Spare	--	20 A	1			0	1	20 A	--	Spare	72
73	Spare	--	20 A	1	0	0		1	20 A	--	Spare	74
75	Spare	--	20 A	1		0	0	1	20 A	--	Spare	76
77	Spare	--	20 A	1			0	1	20 A	--	Spare	78
79	Spare	--	20 A	1	0	0		1	20 A	--	Spare	80
81	Spare	--	20 A	1		0	0	1	20 A	--	Spare	82
83	Spare	--	20 A	1			0	1	20 A	--	Spare	84
		Total Load:			15500 VA	10000 VA	9500 VA					
		Total Amps:			130 A	84 A	79 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	35000 VA	80.00%	28000 VA		
				Total Conn. Load:	35000 VA
				Total Est. Demand:	28000 VA
				Total Conn. Current:	97 A
				Total Est. Demand Current:	78 A

Notes:

Branch Panel: CP2

Location:
Supply From: T-CP2
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 22 KAIC
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 250 A

Notes:

CKT	Circuit Description	Demand Code	TRIP	P	A	B	C	P	TRIP	Demand Code	Circuit Description	CKT
1	MVSG-1-3A-CONTROLS POWER	Power	40 A	2	3250	500		1	20 A	Power	H-1-1B - CONTROLS	2
3	--	--	--	--		3250	500	1	20 A	Power	C-1-2+1 - CONTROLS	4
5	MVSG-1-3B-CONTROL POWER	Power	40 A	2			3250	500	1	20 A	Power	C-1-2G - CONTROLS	6
7	--	--	--	--	3250	500		1	20 A	Power	C-1-2D - CONTROLS	8
9	C-1-2F - CONTROLS	Power	20 A	1		500	500	1	20 A	Power	C-1-2C - CONTROLS	10
11	C-1-2E - CONTROLS	Power	20 A	1			500	500	1	20 A	Power	C-1-2B - CONTROLS	12
13	C-1-2A - CONTROLS	Power	20 A	1	500	500		1	20 A	Power	C-1-3G - CONTROLS	14
15	C-1-2H - CONTROLS	Power	20 A	1		500	500	1	20 A	Power	C-1-3F - CONTROLS	16
17	C-1-3H - CONTROLS	Power	20 A	1			500	500	1	20 A	Power	C-1-3E - CONTROLS	18
19	C-1-3D - CONTROLS	Power	20 A	1	500	500		1	20 A	Power	C-1-3A - CONTROLS	20
21	C-1-3C - CONTROLS	Power	20 A	1			500	500	1	20 A	Power	C-1-3+1 - CONTROLS	22
23	C-1-3B - CONTROLS	Power	20 A	1			500	0	1	20 A	--	Spare	24
25	Spare	--	20 A	1	0	0			1	20 A	--	Spare	26
27	Spare	--	20 A	1			0	0	1	20 A	--	Spare	28
29	Spare	--	20 A	1			0	0	1	20 A	--	Spare	30
31	Spare	--	20 A	1	0	0			1	20 A	--	Spare	32
33	Spare	--	20 A	1			0	0	1	20 A	--	Spare	34
35	Spare	--	20 A	1			0	0	1	20 A	--	Spare	36
37	Spare	--	20 A	1	0	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	Spare	--	20 A	1	0	0			1	20 A	--	Spare	44
45	Spare	--	20 A	1		0	0		1	20 A	--	Spare	46
47	Spare	--	20 A	1			0	0	1	20 A	--	Spare	48
49	Spare	--	20 A	1	0	0			1	20 A	--	Spare	50
51	Spare	--	20 A	1		0	0		1	20 A	--	Spare	52
53	Spare	--	20 A	1			0	0	1	20 A	--	Spare	54
55	Spare	--	20 A	1	0	0			1	20 A	--	Spare	56
57	Spare	--	20 A	1		0	0		1	20 A	--	Spare	58
59	Spare	--	20 A	1			0	0	1	20 A	--	Spare	60
61	Spare	--	20 A	1	0	0			1	20 A	--	Spare	62
63	Spare	--	20 A	1		0	0		1	20 A	--	Spare	64
65	Spare	--	20 A	1			0	0	1	20 A	--	Spare	66
67	Spare	--	20 A	1	0	0			1	20 A	--	Spare	68
69	Spare	--	20 A	1		0	0		1	20 A	--	Spare	70
71	Spare	--	20 A	1			0	0	1	20 A	--	Spare	72
73	Spare	--	20 A	1	0	0			1	20 A	--	Spare	74
75	Spare	--	20 A	1		0	0		1	20 A	--	Spare	76
77	Spare	--	20 A	1			0	0	1	20 A	--	Spare	78
79	Spare	--	20 A	1	0	0			1	20 A	--	Spare	80
81	Spare	--	20 A	1		0	0		1	20 A	--	Spare	82
83	Spare	--	20 A	1			0	0	1	20 A	--	Spare	84
		Total Load:			9500 VA	6750 VA	6250 VA					
		Total Amps:			80 A	57 A	52 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	22500 VA	80.00%	18000 VA		
				Total Conn. Load:	22500 VA
				Total Est. Demand:	18000 VA
				Total Conn. Current:	62 A
				Total Est. Demand Current:	50 A

Notes:

Branch Panel: CP3

Location:
Supply From: T-CP3
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 22 KAIC
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 250 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	N-1-1A - CONTROLS	20 A	1	500 VA	500 VA		1	20 A	N-1-1D - CONTROLS	2
3	N-1-1B - CONTROLS	20 A	1		500 VA	500 VA	1	20 A	N-1-1E - CONTROLS	4
5	N-1-1C - CONTROLS	20 A	1			500 VA	500 VA	1	20 A	N-1-1F - CONTROLS	6
7	N-1-1G - CONTROLS	20 A	1	500 VA	500 VA		1	20 A	N-1-1J - CONTROLS	8
9	N-1-1H - CONTROLS	20 A	1		500 VA	500 VA	1	20 A	N-1-1K - CONTROLS	10
11	N-1-1I - CONTROLS	20 A	1			500 VA	500 VA	1	20 A	N-1-1L - CONTROLS	12
13	N-1-1M - CONTROLS	20 A	1	500 VA	500 VA			1	20 A	N-1-1P - CONTROLS	14
15	N-1-1N - CONTROLS	20 A	1		500 VA	0 VA		1	20 A	Spare	16
17	N-1-1O - CONTROLS	20 A	1			500 VA	0 VA	1	20 A	Spare	18
19	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	20
21	Spare	20 A	1		0 VA	0 VA		1	20 A	Spare	22
23	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	24
25	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	26
27	Spare	20 A	1		0 VA	0 VA		1	20 A	Spare	28
29	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	30
31	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	32
33	Spare	20 A	1		0 VA	0 VA		1	20 A	Spare	34
35	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	36
37	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	38
39	Spare	20 A	1		0 VA	0 VA		1	20 A	Spare	40
41	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	42
		Total Load:		3000 VA	2500 VA	2500 VA					
		Total Amps:		25 A	21 A	21 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	8000 VA	80.00%	6400 VA		
				Total Conn. Load:	8000 VA
				Total Est. Demand:	6400 VA
				Total Conn. Current:	22 A
				Total Est. Demand Current:	18 A

Notes:

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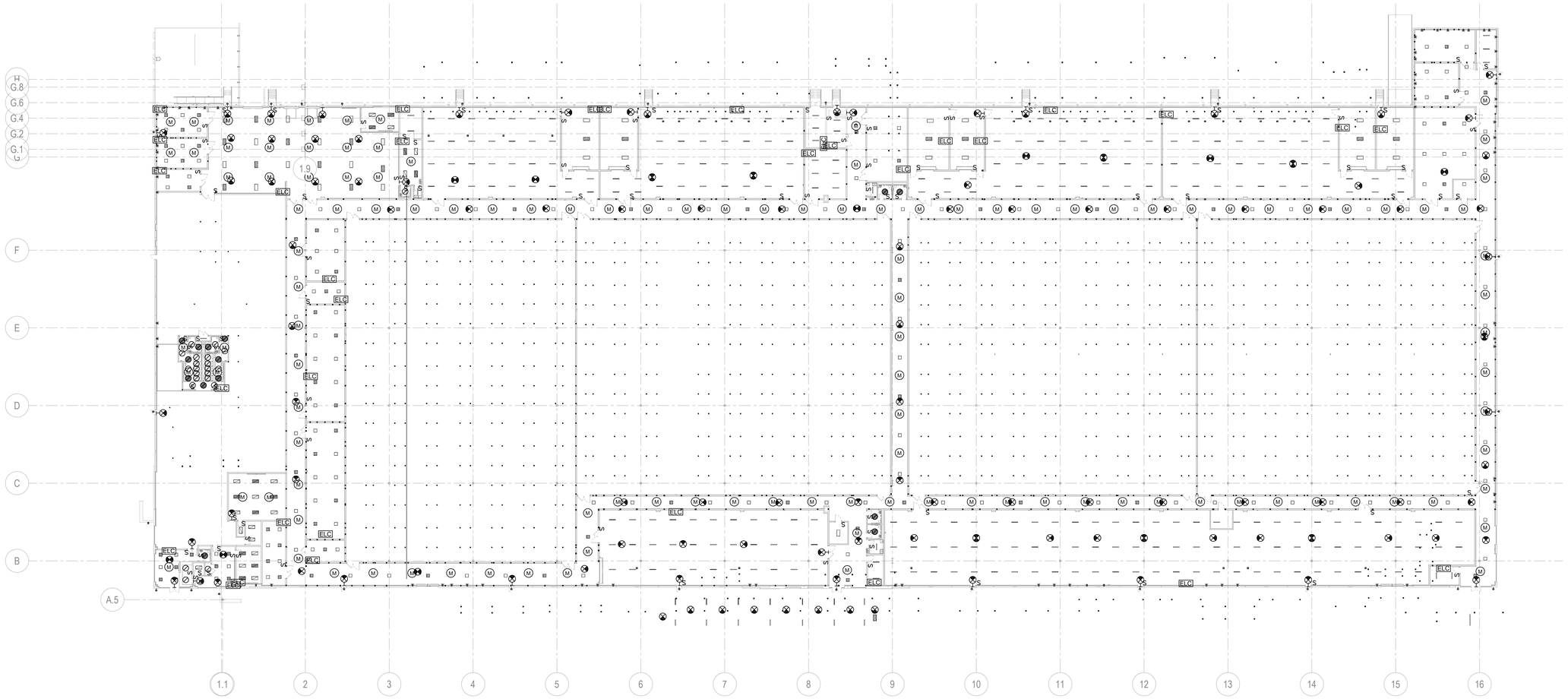
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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER
BLDG1-EJ699



1 LIGHTING OVERALL FLOOR PLAN

SCALE: 1" = 30'-0"

GENERAL LIGHTING NOTES:

A. EXTERIOR LIGHTS SHALL BE CONTROLLED VIA PHOTOCELL WITH A BYPASS SWITCH TO CONTROL CONTACTOR. LOCATE LIGHTINGS CONTACTOR NEXT TO LIGHTING PANEL IN ELECTRICAL ROOM.

B. ALL EXIT SIGNS SHALL BE CONNECTED TO THE NEAREST EMERGENCY CIRCUIT AHEAD OF ALL SWITCH LEGS.

C. ELECTRICAL CONTACTOR SHALL PROVIDE ALL POWERPACKS AND INTERCONNECTION CABLING AS REQUIRED FOR A TURN KEY LIGHTING AND LIGHTING CONTROL PACKAGE.

Salas O'Brien
salasobrien.com 615.346.3400
Nashville
2950 Kraft Drive
Nashville, TN 37204

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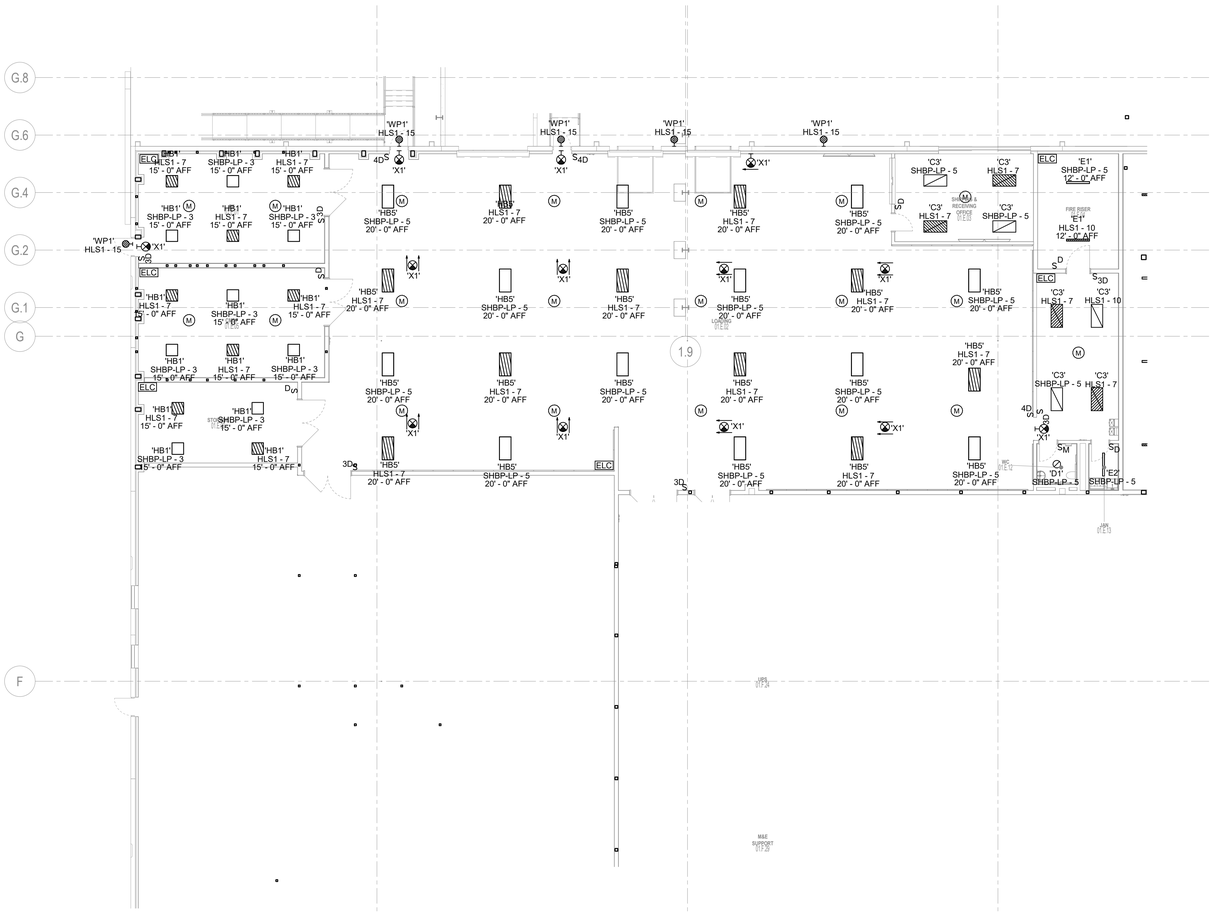
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SHEET TITLE

LIGHTING - FLOOR PLAN - OVERALL

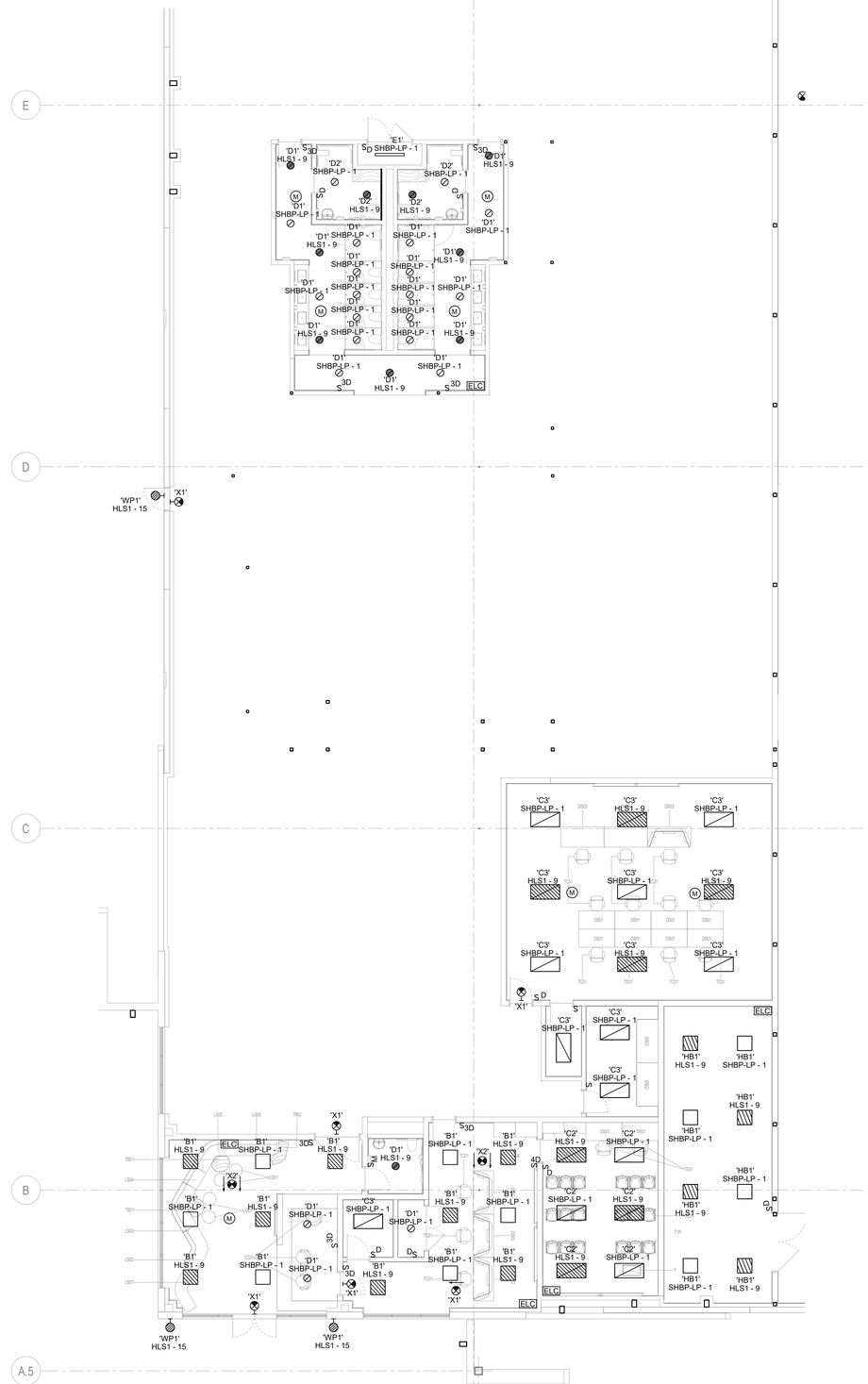
SHEET NUMBER

BLDG1-EL101-A



2 ENLARGED PLAN - STORAGE AREA - LIGHTING

SCALE: 3/32" = 1'-0"



1 ENLARGED PLAN - OFFICE AREA - LIGHTING A

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

GENERAL LIGHTING NOTES:

A. EXTERIOR LIGHTS SHALL BE CONTROLLED VIA PHOTOCELL WITH A BYPASS SWITCH TO CONTROL CONTACTOR. LOCATE LIGHTINGS CONTACTOR NEXT TO LIGHTING PANEL IN ELECTRICAL ROOM.

B. ALL EXIT SIGNS SHALL BE CONNECTED TO THE NEAREST EMERGENCY CIRCUIT AHEAD OF ALL SWITCH LEGS.

C. ELECTRICAL CONTACTOR SHALL PROVIDE ALL POWERPACKS AND INTERCONNECTION CABLING AS REQUIRED FOR A TURN KEY LIGHTING AND LIGHTING CONTROL PACKAGE.

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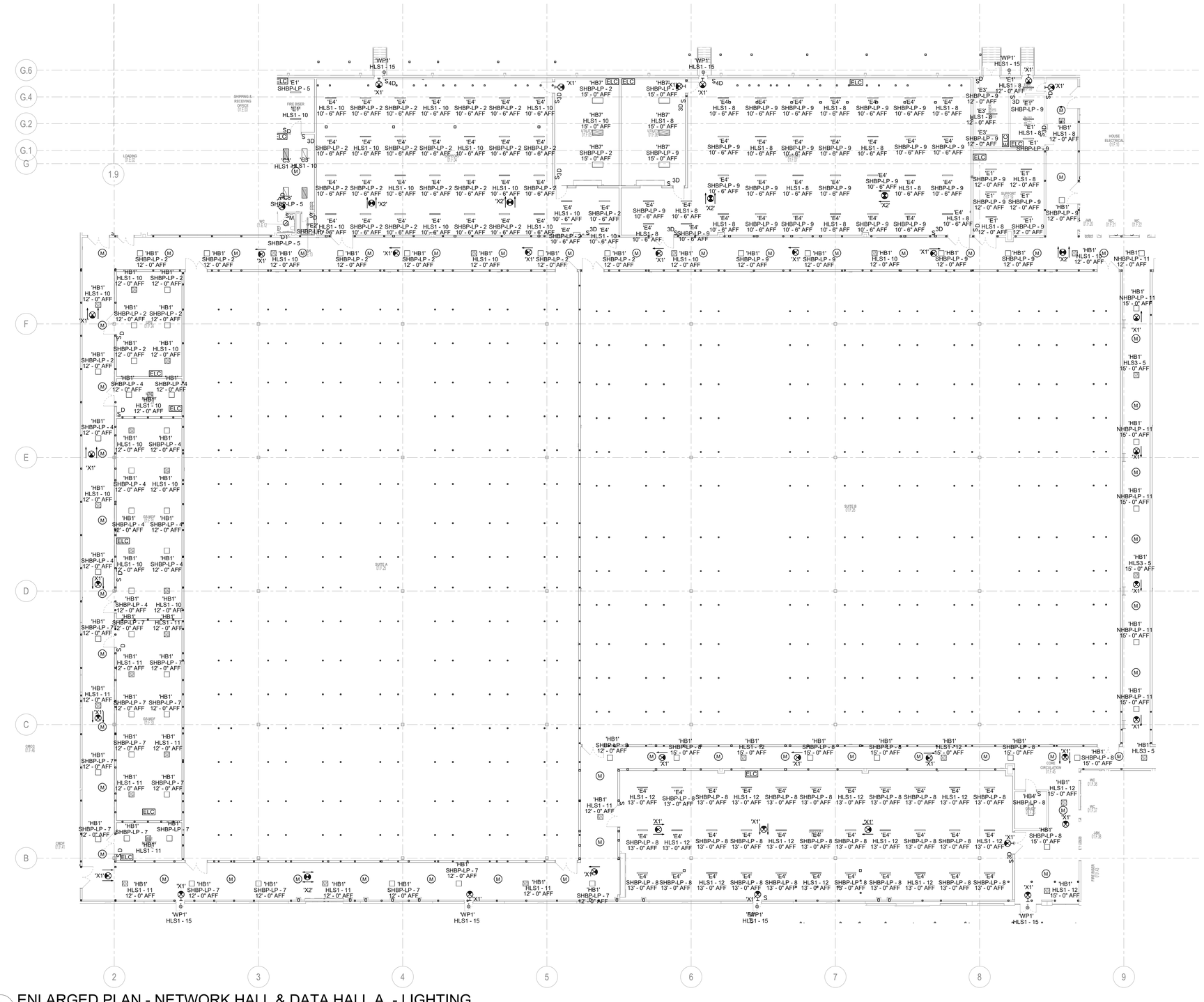
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SHEET TITLE

LIGHTING - ENLARGED FLOOR PLAN - OFFICE & STORAGE AREA

SHEET NUMBER

BLDG1-EL102-A



1 ENLARGED PLAN - NETWORK HALL & DATA HALL A - LIGHTING

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

GENERAL LIGHTING NOTES:

A. EXTERIOR LIGHTS SHALL BE CONTROLLED VIA PHOTOCELL WITH A BYPASS SWITCH TO CONTROL CONTACTOR. LOCATE LIGHTINGS CONTACTOR NEXT TO LIGHTING PANEL IN ELECTRICAL ROOM.

B. ALL EXIT SIGNS SHALL BE CONNECTED TO THE NEAREST EMERGENCY CIRCUIT AHEAD OF ALL SWITCH LEGS.

C. ELECTRICAL CONTACTOR SHALL PROVIDE ALL POWERPACKS AND INTERCONNECTION CABLING AS REQUIRED FOR A TURN KEY LIGHTING AND LIGHTING CONTROL PACKAGE.

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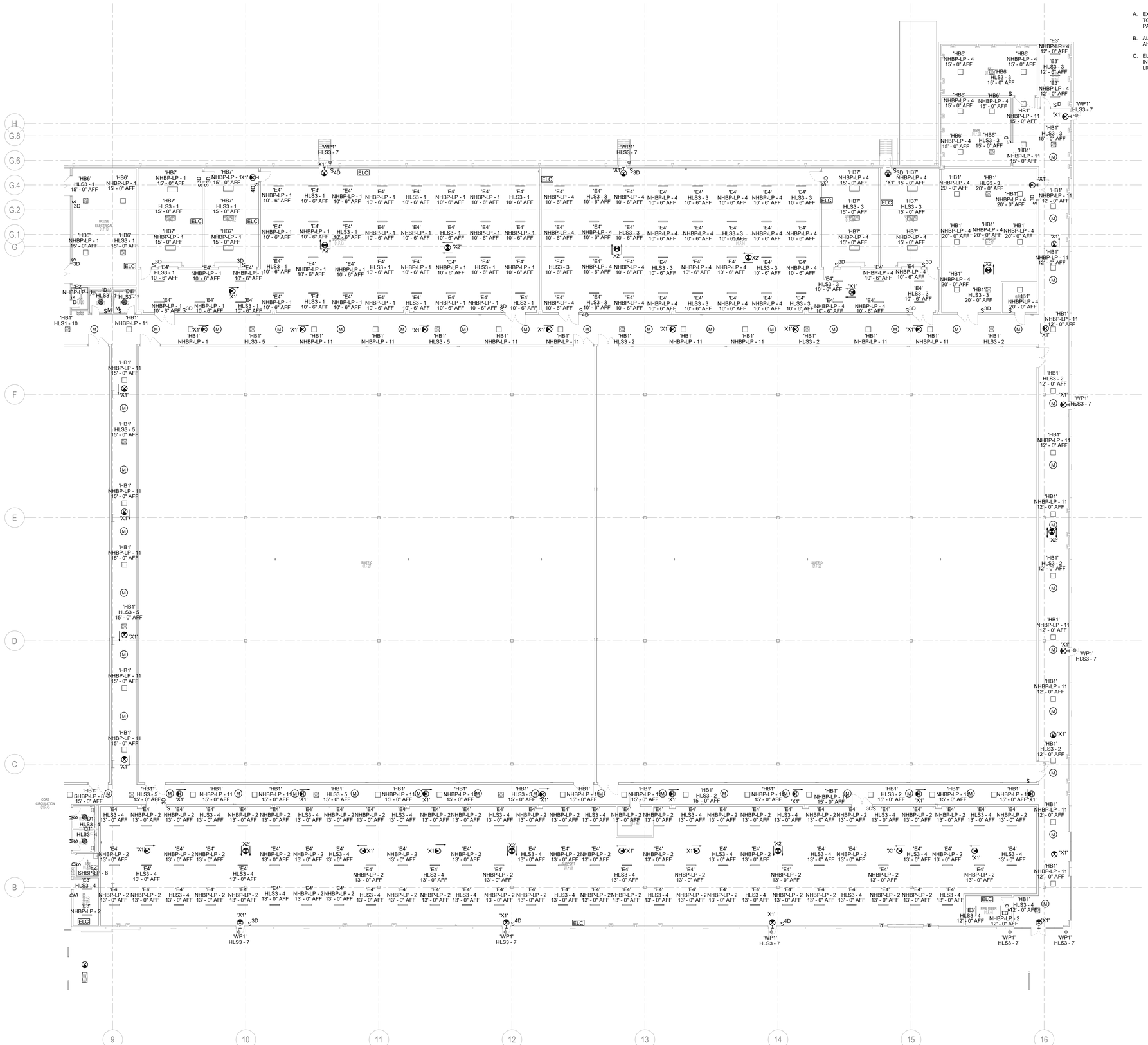
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SHEET TITLE

LIGHTING - ENLARGED FLOOR PLAN - DATA HALL A

SHEET NUMBER

BLDG1-EL103-A



1 ENLARGED PLAN - DATA HALL B & C - LIGHTING
SCALE: 1/16" = 1'-0"

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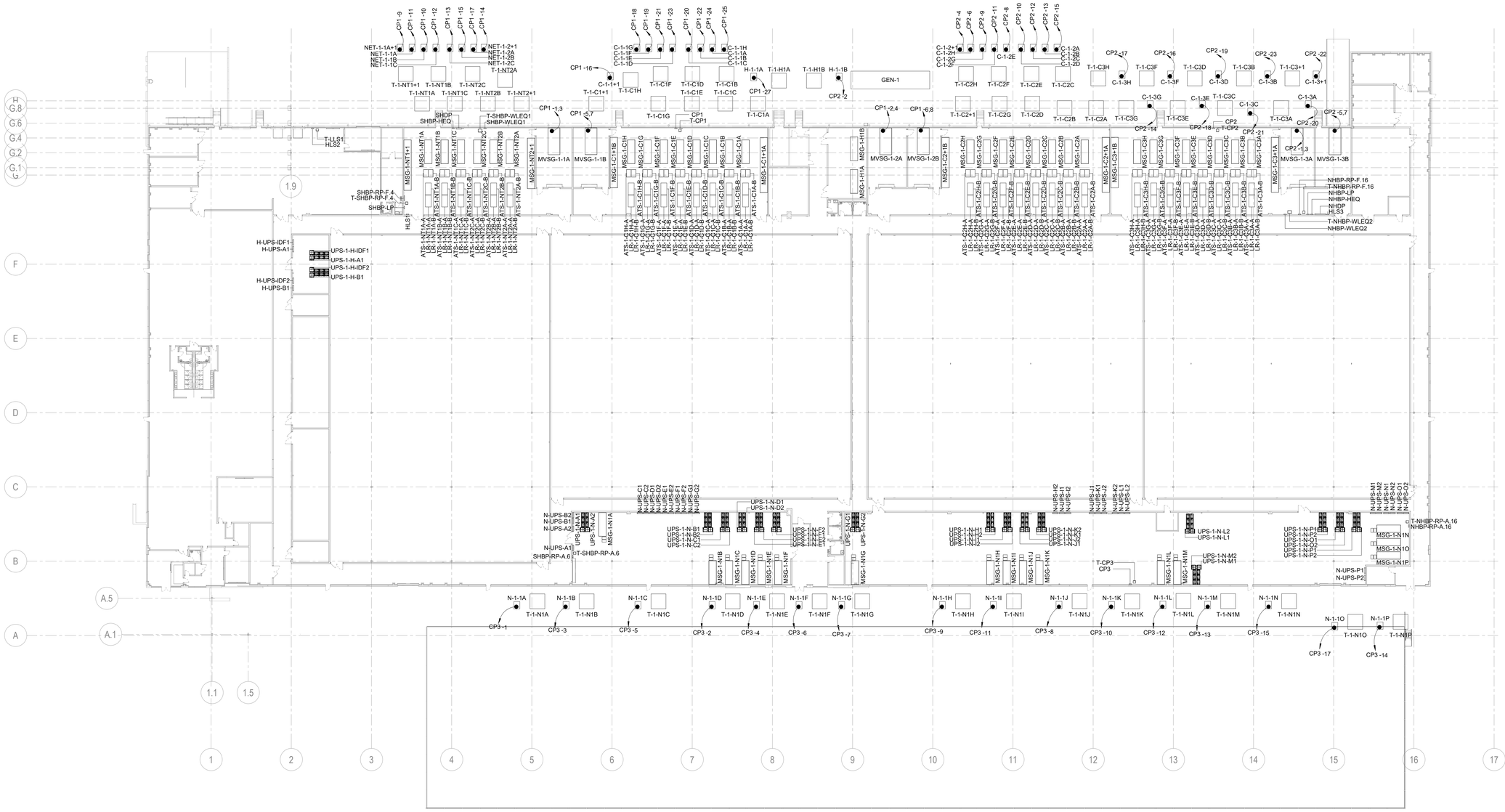
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SHEET TITLE

LIGHTING - ENLARGED FLOOR PLAN - DATA HALL B & C

SHEET NUMBER
BLDG1-EL104-A



1 POWER OVERALL FLOOR PLAN
SCALE: 1" = 30'-0"

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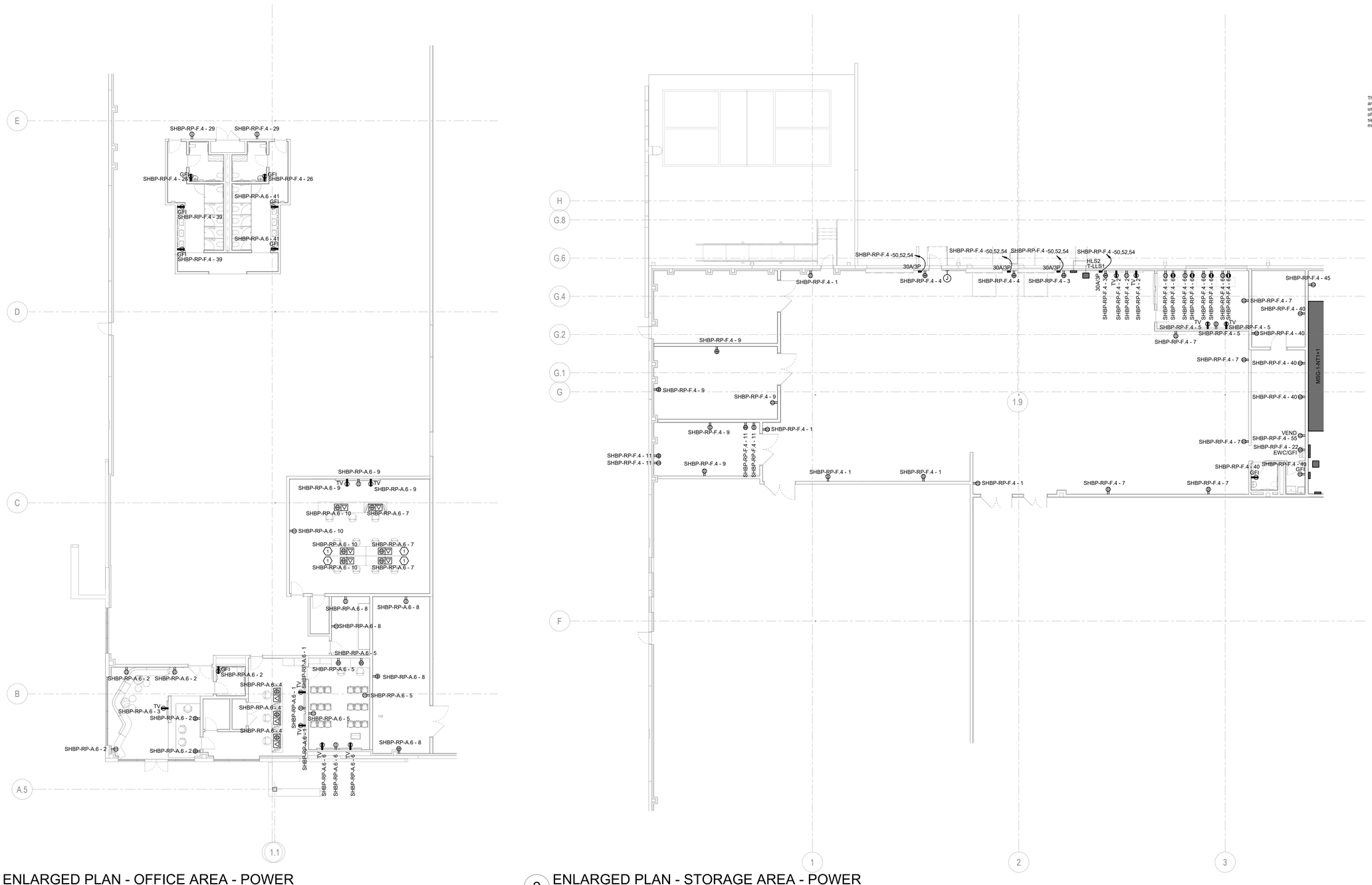
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SHEET TITLE

POWER - FLOOR PLAN - OVERALL

SHEET NUMBER
BLDG1-EP101-A



1 ENLARGED PLAN - OFFICE AREA - POWER

SCALE: 3/32" = 1'-0"

2 ENLARGED PLAN - STORAGE AREA - POWER

SCALE: 3/32" = 1'-0"

KEYED NOTES:

1. PROVIDE FLOORBOX SIMILAR TO HUBBLE S1PFB STYLE FLOORBOX. PROVIDE 1" CONDUIT AND 1-1/2" CONDUIT TO NEAREST WALL AND STUBBED UP TO ABOVE ACCESSIBLE CEILING. PROVIDE SLAB CUT AND PATCH FOR CONDUIT AND FLOORBOX INSTALLATION. PROVIDE COVER PLATE WITH POWER AND DATA. COORDINATE FINAL LAYOUT WITH FFE LAYOUT AND OWNER PRIOR TO SLAB CUTTING AND INSTALLATION.

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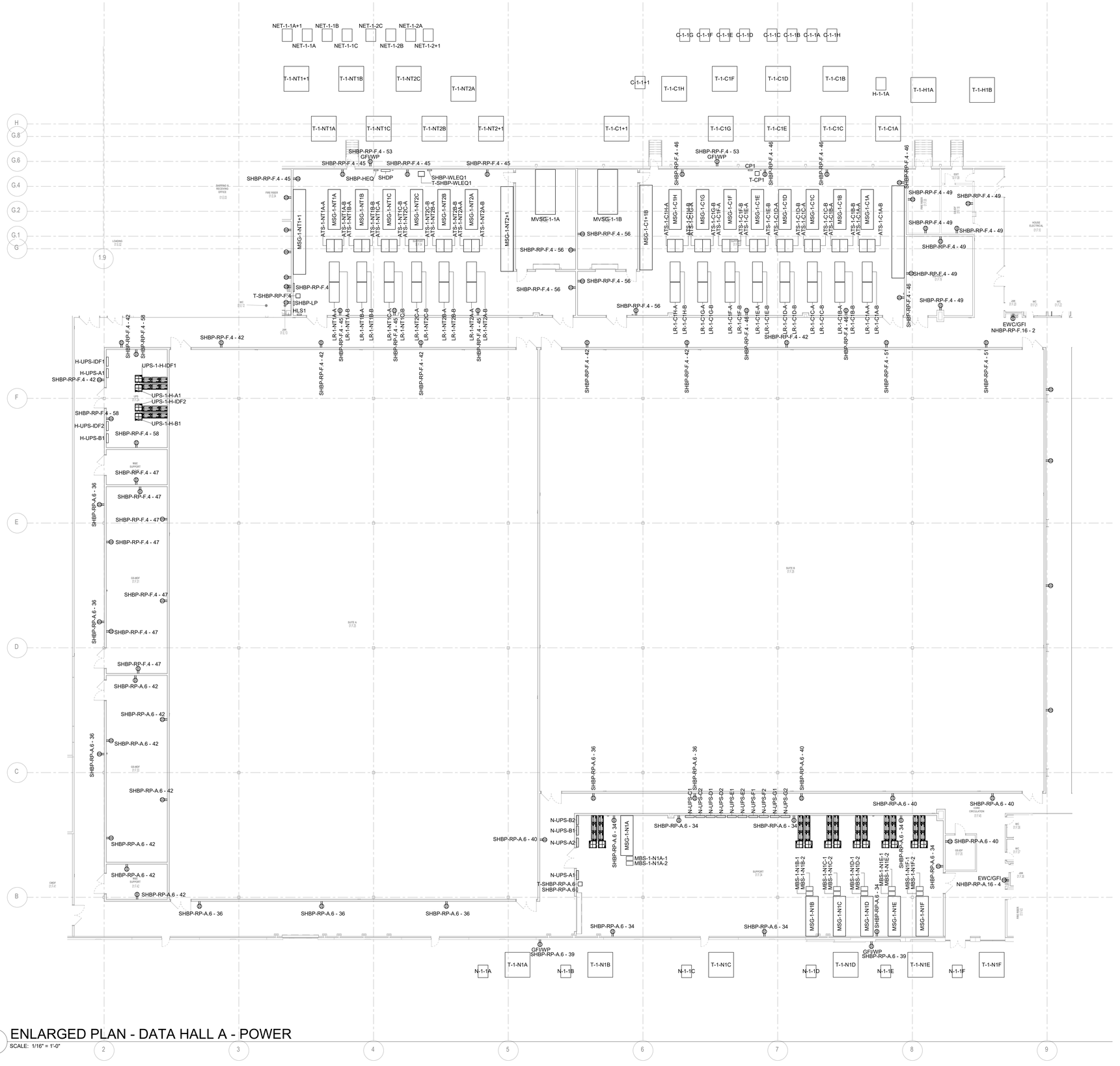
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SHEET TITLE

POWER - ENLARGED FLOOR PLAN - OFFICE & STORAGE AREA

SHEET NUMBER

BLDG1-EP102-A



1 ENLARGED PLAN - DATA HALL A - POWER

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

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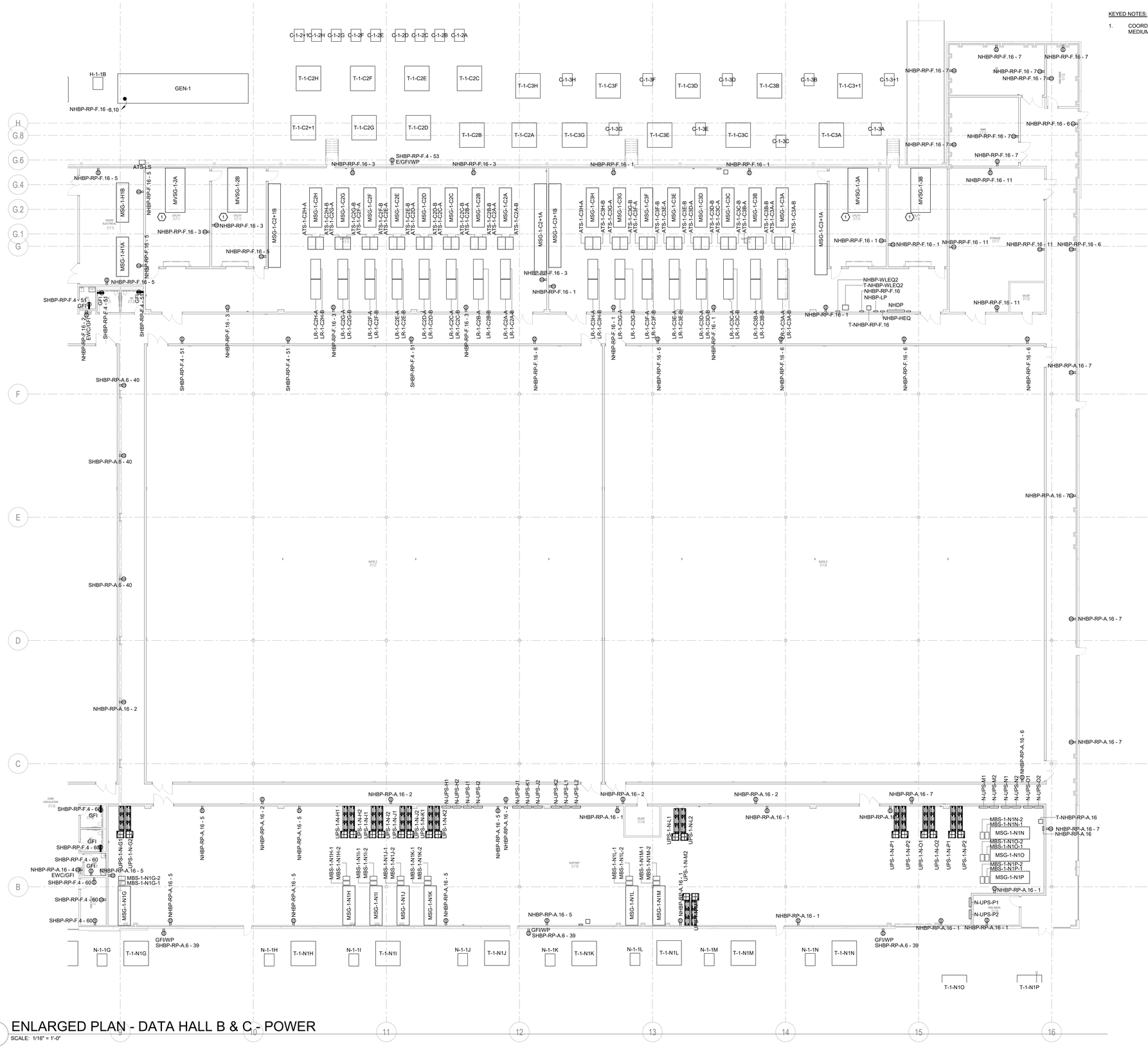
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SHEET TITLE

POWER - ENLARGED FLOOR PLAN - DATA HALL A

SHEET NUMBER

BLDG1-EP103-A



1 ENLARGED PLAN - DATA HALL B & C - POWER
SCALE: 1/16" = 1'-0"

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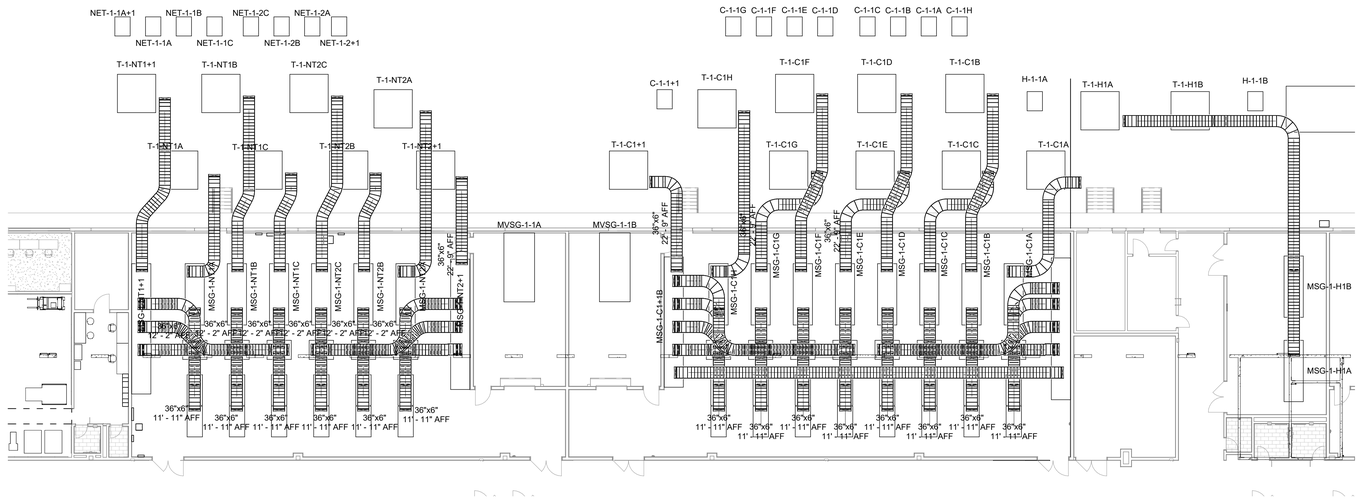
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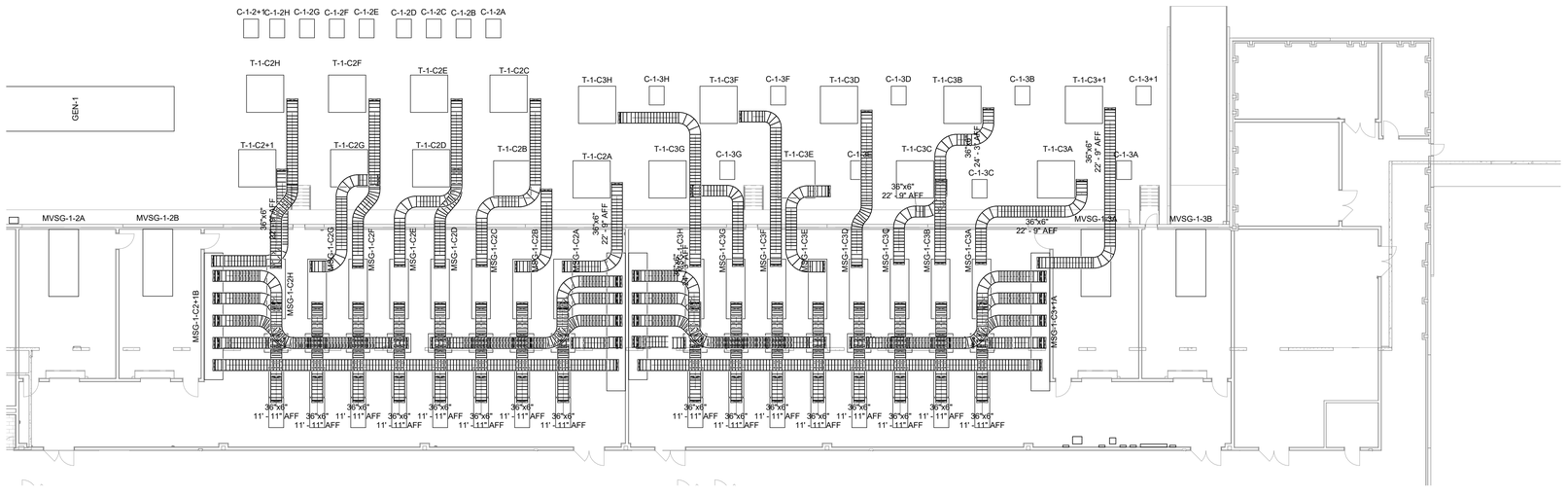
POWER - ENLARGED FLOOR PLAN - DATA HALL B & C

SHEET NUMBER
BLDG1-EP104-A



1 POWER - CABLE TRAY - ELECTRICAL GALLERY N&A

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



2 POWER - CABLE TRAY - ELECTRICAL GALLERY B&C

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

GENERAL NOTES:

A. CABLE TRAY SHALL HAVE CONTINUOUS #4/0 GROUND WIRE ROUTED WITH THE TRAY BONDED ON EACH END.

B. PROVIDE EXPANSION FITTINGS BETWEEN CABLE TRAY SECTIONS THAT CROSS EXPANSION JOINTS IN THE STRUCTURAL SYSTEM PER MANUFACTURER'S RECOMMENDATION. PROVIDE EXPANSION FITTINGS ON BOTH SIDES OF CABLE TRAY WHERE THEY SPAN A GAP IN THE STRUCTURAL SYSTEM.

C. PROVIDE "DANGER-HIGH VOLTAGE-KEEP AWAY" SIGN IN READILY VISIBLE LOCATION ON ALL CABLE TRAYS AT INTERVALS NOT TO EXCEED 10' PER NEC 392.18(H).

D. CABLE TRAY SHALL BE LISTED AND LABELED FOR USE PER NEC 110.3.

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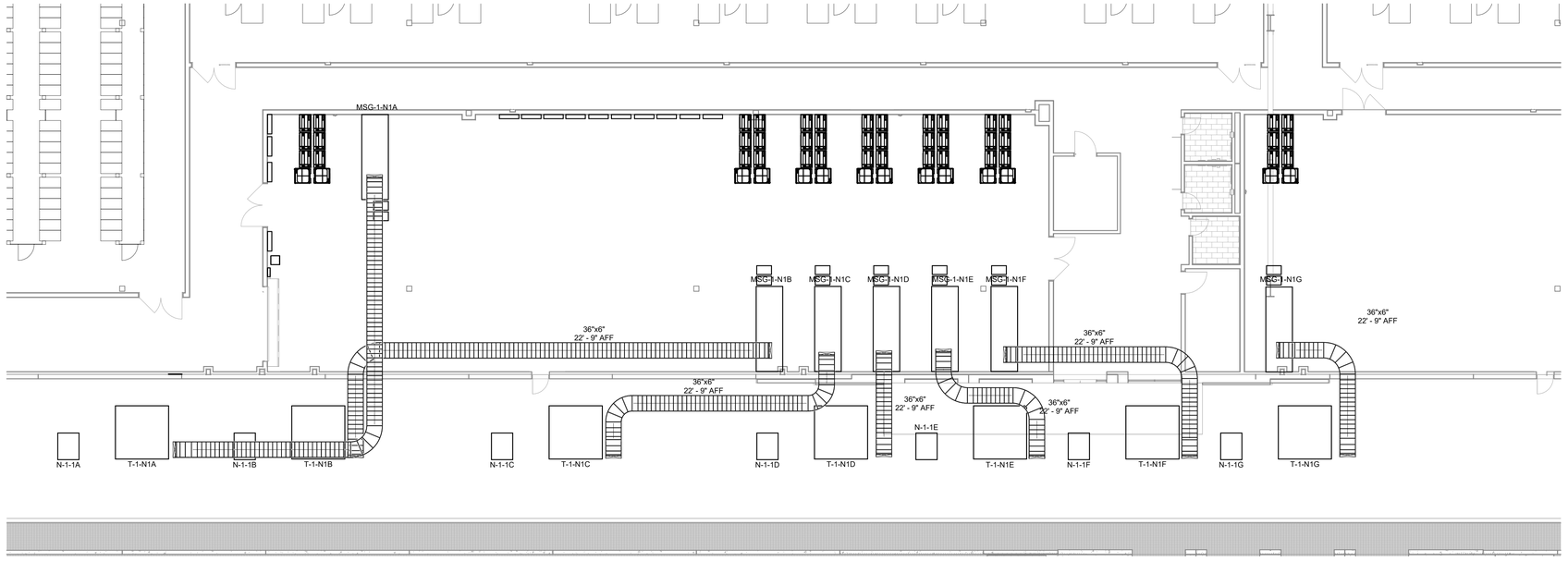
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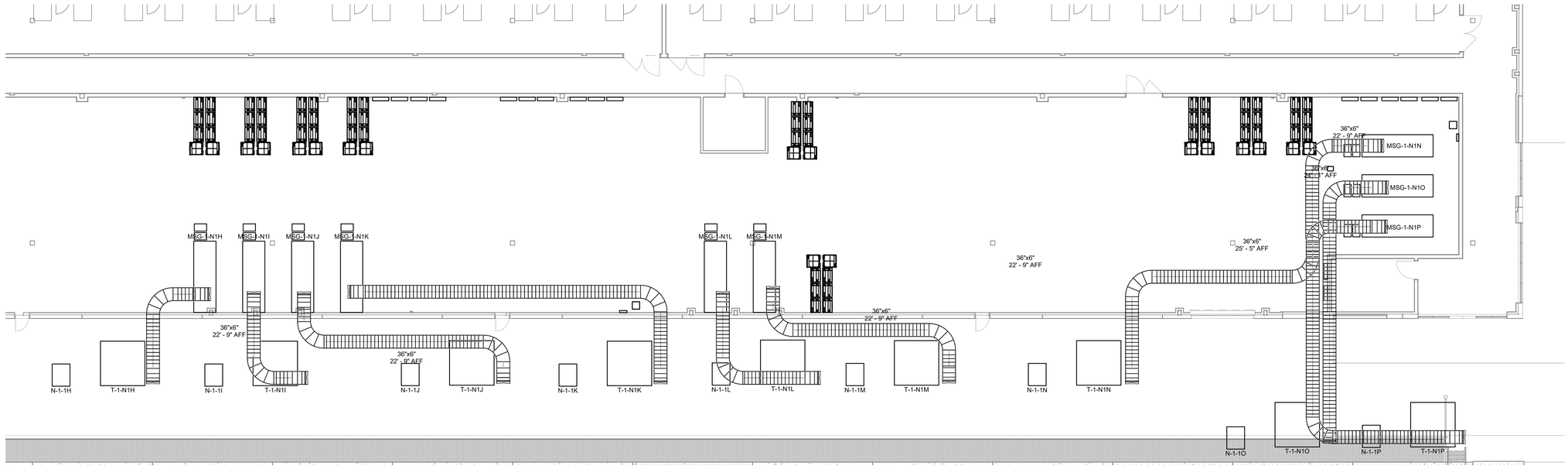
ELECTRICAL - ENLARGED CABLE TRAY - ELECTRICAL GALLERIES

SHEET NUMBER
BLDG1-EP105-A



1 POWER - CABLE TRAY - MECHANICAL GALLERY A&B

SCALE: 3/32" = 1'-0"



2 POWER - CABLE TRAY - MECHANICAL GALLERY A&B

SCALE: 3/32" = 1'-0"

GENERAL NOTES:

A. CABLE TRAY SHALL HAVE CONTINUOUS #4/0 GROUND WIRE ROUTED WITH THE TRAY BONDED ON EACH END.

B. PROVIDE EXPANSION FITTINGS BETWEEN CABLE TRAY SECTIONS THAT CROSS EXPANSION JOINTS IN THE STRUCTURAL SYSTEM PER MANUFACTURER'S RECOMMENDATION. PROVIDE EXPANSION FITTINGS ON BOTH SIDES OF CABLE TRAY WHERE THEY SPAN A GAP IN THE STRUCTURAL SYSTEM.

C. PROVIDE "DANGER-HIGH VOLTAGE-KEEP AWAY" SIGN IN READILY VISIBLE LOCATION ON ALL CABLE TRAYS AT INTERVALS NOT TO EXCEED 10' PER NEC 392.18(H).

D. CABLE TRAY SHALL BE LISTED AND LABELED FOR USE PER NEC 110.3.

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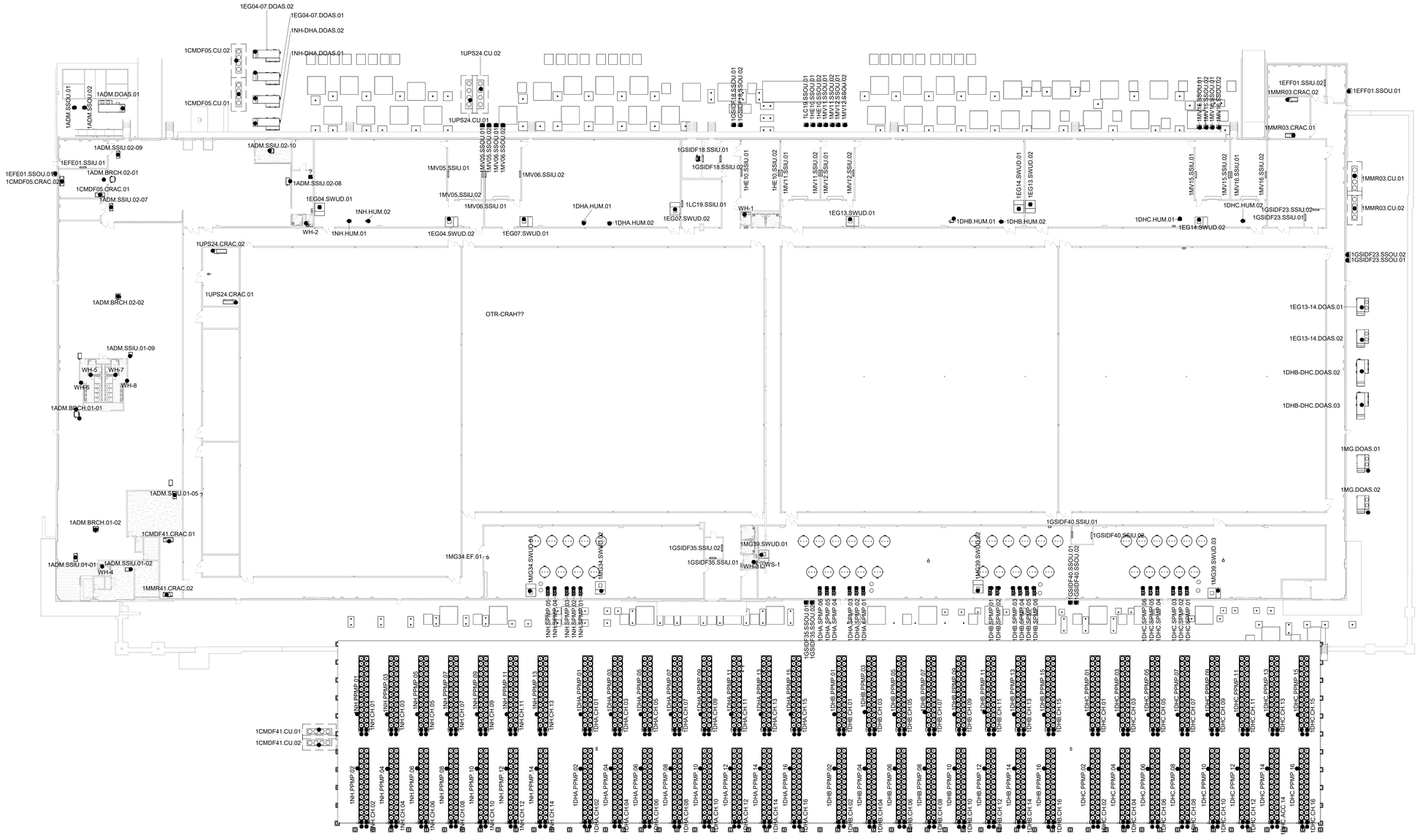
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SHEET TITLE

ELECTRICAL - ENLARGED CABLE TRAY - MECHANICAL GALLERIES

SHEET NUMBER
BLDG1-EP106



1 ELEC/HVAC OVERALL FLOOR PLAN

SCALE: 1" = 30'-0"

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SHEET TITLE

ELEC/HVAC - OVERALL FLOOR PLAN

SHEET NUMBER

BLDG1-EP201-A

Mechanical Equipment Schedule - TENNANT FIT UP

Load Name	Apparent Power	Rating	Number of Poles	Voltage	Panel	Circuit Number	Feeder	Comments
1ADM.BRCH.01-01	22 VA	20 A	1	120 V	SHBP-WLE Q1	30	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.BRCH.01-02	8 VA	20 A	1	120 V	SHBP-WLE Q1	35	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.BRCH.02-01	22 VA	20 A	1	120 V	SHBP-WLE Q1	26	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.BRCH.02-02	8 VA	20 A	1	120 V	SHBP-WLE Q1	28	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.DOAS.01	30116 VA	60 A	3	480 V	N-UPS-A2	6	4#4, 1#8G, 1-1/4"C	PROVIDE 60A/3P/NF/NEMA3R DISCONNECT SWITCH
1ADM.SSIU.01-01	562 VA	20 A	1	120 V	SHBP-WLE Q1	10	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.SSIU.01-02	562 VA	20 A	1	120 V	SHBP-WLE Q1	36	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.SSIU.01-05	312 VA	20 A	1	120 V	SHBP-WLE Q1	19	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.SSIU.01-08	65 VA	20 A	1	120 V	SHBP-WLE Q1	21	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.SSIU.01-09	65 VA	20 A	1	120 V	SHBP-WLE Q1	23	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.SSIU.01-12	416 VA	20 A	1	120 V	SHBP-WLE Q1	14	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.SSIU.01.07	312 VA	20 A	1	120 V	SHBP-WLE Q1	12	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.SSIU.02-05	312 VA	20 A	1	120 V	SHBP-WLE Q1	1	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.SSIU.02-07	512 VA	20 A	1	120 V	SHBP-WLE Q1	24	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.SSIU.02-08	512 VA	20 A	1	120 V	SHBP-WLE Q1	32	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.SSIU.02-09	512 VA	20 A	1	120 V	SHBP-WLE Q1	33	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.SSIU.02-10	512 VA	20 A	1	120 V	SHBP-WLE Q1	34	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1ADM.SSOU.01	34418 VA	60 A	3	480 V	SHBP-HEQ	26,28,30	4#4, 1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1ADM.SSOU.02	34418 VA	60 A	3	480 V	SHBP-HEQ	31,33,35	4#4, 1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1CMDF05.CRAC.01	34259 VA	70 A	3	480 V		<unnamed>		
1CMDF05.CRAC.02	34259 VA	70 A	3	480 V		<unnamed>	4#4, 1#8G, 1-1/4"C	INTEGRAL DISCONNECT PROVIDED BY DIV 23
1CMDF05.CU.01	4462 VA	20 A	3	480 V	N-UPS-C2	9	4#12, 1#12G, 3/4"C	PRIVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1CMDF05.CU.02	4462 VA	20 A	3	480 V	N-UPS-C2	10	4#12, 1#12G, 3/4"C	PRIVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1CMDF41.CRAC.01	34259 VA	70 A	3	480 V	N-UPS-B2	7	4#4, 1#8G, 1-1/4"C	INTEGRAL DISCONNECT PROVIDED BY DIV 23
1CMDF41.CRAC.02	36777 VA	70 A	3	480 V	N-UPS-B2	8	4#4, 1#8G, 1-1/4"C	INTEGRAL DISCONNECT PROVIDED BY DIV 23
1CMDF41.CU.01	4462 VA	20 A	3	480 V	N-UPS-A1	14	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1CMDF41.CU.02	4462 VA	20 A	3	480 V	N-UPS-A1	15	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.01	688684 VA	1000 A	3	480 V	MSG-1-N1 D	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.01 CONTROLS	500 VA	20 A	3	480 V	N-UPS-D1	17	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.01 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-D1	16	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.01 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-D1	18	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.02	688684 VA	1000 A	3	480 V	MSG-1-N1 E	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.02 CONTROLS	500 VA	20 A	3	480 V	N-UPS-E1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.02 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-E1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.02 PUMP & CONTROLS	30275 VA	50 A	3	480 V	N-UPS-E1	7	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.03	688684 VA	1000 A	3	480 V	MSG-1-N1 E	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.03 CONTROLS	500 VA	20 A	3	480 V	N-UPS-E1	9	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.03 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-E1	8	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.03 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-E1	10	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.04	688684 VA	1000 A	3	480 V	MSG-1-N1 E	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.04 CONTROLS	500 VA	20 A	3	480 V	N-UPS-E1	12	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.04 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-E1	11	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.04 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-E1	13	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.05	688684 VA	1000 A	3	480 V	MSG-1-N1 E	6	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.05 CONTROLS	500 VA	20 A	3	480 V	N-UPS-E1	15	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.05 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-E1	14	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.05 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-E1	16	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.06	688684 VA	1000 A	3	480 V	MSG-1-N1 F	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.06 CONTROLS	500 VA	20 A	3	480 V	N-UPS-F1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.06 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-F1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.06 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-F1	7	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.07	688684 VA	1000 A	3	480 V	MSG-1-N1 F	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.07 CONTROLS	500 VA	20 A	3	480 V	N-UPS-F1	9	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.07 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-F1	8	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.07 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-F1	10	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.08	688684 VA	1000 A	3	480 V	MSG-1-N1 F	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.08 CONTROLS	500 VA	20 A	3	480 V	N-UPS-F1	12	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.08 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-F1	11	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.08 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-F1	13	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.09	688684 VA	1000 A	3	480 V	MSG-1-N1 F	6	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.09 CONTROLS	500 VA	20 A	3	480 V	N-UPS-F1	15	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.09 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-F1	14	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.09 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-F1	16	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.10	688684 VA	1000 A	3	480 V	MSG-1-N1 G	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.10 CONTROLS	500 VA	20 A	3	480 V	N-UPS-G1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.10 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-G1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.10 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-G1	7	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.11	688684 VA	1000 A	3	480 V	MSG-1-N1 G	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.11 CONTROLS	500 VA	20 A	3	480 V	N-UPS-G1	9	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.11 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-G1	8	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.11 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-G1	10	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.12	688684 VA	1000 A	3	480 V	MSG-1-N1 G	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.12 CONTROLS	500 VA	20 A	3	480 V	N-UPS-G1	12	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.12 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-G1	11	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.12 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-G1	13	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH

Mechanical Equipment Schedule - TENNANT FIT UP

Load Name	Apparent Power	Rating	Number of Poles	Voltage	Panel	Circuit Number	Feeder	Comments
1DHA.CH.13	688684 VA	1000 A	3	480 V	MSG-1-N1 G	6	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.13 CONTROLS	500 VA	20 A	3	480 V	N-UPS-G1	15	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.13 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-G1	14	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.13 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-G1	16	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.14	688684 VA	1000 A	3	480 V	MSG-1-N1 H	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT
1DHA.CH.14 CONTROLS	500 VA	20 A	3	480 V	N-UPS-H1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SV
1DHA.CH.14 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-H1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SV
1DHA.CH.14 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-H1	7	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT S
1DHA.CH.15	688684 VA	1000 A	3	480 V	MSG-1-N1 H	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT
1DHA.CH.15 CONTROLS	500 VA	20 A	3	480 V	N-UPS-H1	9	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.15 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-H1	8	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.15 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-H1	10	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.16	688684 VA	1000 A	3	480 V	MSG-1-N1 H	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.16 CONTROLS	500 VA	20 A	3	480 V	N-UPS-H1	12	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.16 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-H1	11	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.CH.16 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-H1	13	4#12, 1#12G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHA.HUM.01	14965 VA	30 A	3	480 V	NHBP-HEQ	37,39,41	4#10, 1#10G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1DHA.HUM.02	14965 VA	30 A	3	480 V	NHBP-HEQ	38,40,42	4#10, 1#10G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1DHA.PPMP.01	41430 VA	70 A	3	480 V	N-UPS-D1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.02	41430 VA	70 A	3	480 V	N-UPS-E1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.03	41430 VA	70 A	3	480 V	N-UPS-E1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.04	41430 VA	70 A	3	480 V	N-UPS-E1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.05	41430 VA	70 A	3	480 V	N-UPS-E1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.06	41430 VA	70 A	3	480 V	N-UPS-F1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.07	41430 VA	70 A	3	480 V	N-UPS-F1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.08	41430 VA	70 A	3	480 V	N-UPS-F1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.09	41430 VA	70 A	3	480 V	N-UPS-F1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.10	41430 VA	70 A	3	480 V	N-UPS-G1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.11	41430 VA	70 A	3	480 V	N-UPS-G1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.12	41430 VA	70 A	3	480 V	N-UPS-G1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.13	41430 VA	70 A	3	480 V	N-UPS-G1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.14	41430 VA	70 A	3	480 V	N-UPS-H1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.15	41430 VA	70 A	3	480 V	N-UPS-H1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.PPMP.16	41430 VA	70 A	3	480 V	N-UPS-H1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.SPMP.01	79000 VA	125 A	3	480 V	N-UPS-H2	1	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.SPMP.02	79000 VA	125 A	3	480 V	N-UPS-H2	2	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.SPMP.03	79000 VA	125 A	3	480 V	N-UPS-H2	3	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.SPMP.04	79000 VA	125 A	3	480 V	N-UPS-H2	4	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.SPMP.05	79000 VA	125 A	3	480 V	N-UPS-H2	5	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHA.SPMP.06	79000 VA	125 A	3	480 V	N-UPS-H2	6	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB-DHC.DOAS.02	51787 VA	90 A	3	480 V	N-UPS-N2	2	4#2, 1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB-DHC.DOAS.03	51787 VA	90 A	3	480 V	N-UPS-N2	3	4#2, 1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.01	688684 VA	1000 A	3	480 V	MSG-1-N1 H	6	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.01 CONTROLS	500 VA	20 A	3	480 V	N-UPS-H1	15	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.01 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-H1	14	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.01 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-H1	16	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.02	688684 VA	1000 A	3	480 V	MSG-1-N11	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.02 CONTROLS	500 VA	20 A	3	480 V	N-UPS-I1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.02 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-I1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.02 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-I1	7	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.03	688684 VA	1000 A	3	480 V	MSG-1-N11	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.03 CONTROLS	500 VA	20 A	3	480 V	N-UPS-I1	10	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.03 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-I1	9	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.03 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-I1	8	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.04	688684 VA	1000 A	3	480 V	MSG-1-N11	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.04 CONTROLS	500 VA	20 A	3	480 V	N-UPS-I1	12	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.04 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-I1	11	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.04 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-I1	13	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.05	688684 VA	1000 A	3	480 V	MSG-1-N11	6	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.05 CONTROLS	500 VA	20 A	3	480 V	N-UPS-I1	15	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.05 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-I1	14	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.05 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-I1	16	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.06	688684 VA	1000 A	3	480 V	MSG-1-N1J	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.06 CONTROLS	500 VA	20 A	3	480 V	N-UPS-J1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.06 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-J1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.06 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-J1	7	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.07	688684 VA	1000 A	3	480 V	MSG-1-N1J	4	3 SETS, EA

Mechanical Equipment Schedule - TENNANT FIT UP

Load Name	Apparent Power	Rating	Number of Poles	Voltage	Panel	Circuit Number	Feeder	Comments
1DHB.CH.12 CONTROLS	500 VA	20 A	3	480 V	N-UPS-K1	13	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.12 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-K1	12	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.12 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-K1	11	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.13	688684 VA	1000 A	3	480 V	MSG-1-N1 K	6	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.13 CONTROLS	500 VA	20 A	3	480 V	N-UPS-K1	15	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.13 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-K1	14	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.13 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-K1	16	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.14	688684 VA	1000 A	3	480 V	MSG-1-N1 L	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.14 CONTROLS	500 VA	20 A	3	480 V	N-UPS-L1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.14 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-L1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.14 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-L1	7	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.15	688684 VA	1000 A	3	480 V	MSG-1-N1 L	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.15 CONTROLS	500 VA	20 A	3	480 V	N-UPS-L1	9	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.15 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-L1	8	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.15 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-L1	10	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.16	688684 VA	1000 A	3	480 V	MSG-1-N1 L	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.16 CONTROLS	500 VA	20 A	3	480 V	N-UPS-L1	12	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.16 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-L1	11	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.CH.16 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-L1	13	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHB.HUM.01	14965 VA	30 A	3	480 V	NHBP-HEQ	25,27,29	4#10, 1#10G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1DHB.HUM.02	14965 VA	30 A	3	480 V	NHBP-HEQ	26,28,30	4#10, 1#10G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1DHB.PPMP.01	41430 VA	70 A	3	480 V	N-UPS-H1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.02	41430 VA	70 A	3	480 V	N-UPS-I1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.03	41430 VA	70 A	3	480 V	N-UPS-I1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.04	41430 VA	70 A	3	480 V	N-UPS-I1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.05	41430 VA	70 A	3	480 V	N-UPS-I1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.06	41430 VA	70 A	3	480 V	N-UPS-J1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.07	41430 VA	70 A	3	480 V	N-UPS-J1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.08	41430 VA	70 A	3	480 V	N-UPS-J1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.09	41430 VA	70 A	3	480 V	N-UPS-J1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.10	41430 VA	70 A	3	480 V	N-UPS-K1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.11	41430 VA	70 A	3	480 V	N-UPS-K1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.12	41430 VA	70 A	3	480 V	N-UPS-K1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.13	41430 VA	70 A	3	480 V	N-UPS-K1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.14	41430 VA	70 A	3	480 V	N-UPS-L1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.15	41430 VA	70 A	3	480 V	N-UPS-L1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.PPMP.16	41430 VA	70 A	3	480 V	N-UPS-L1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.SPMP.01	79000 VA	125 A	3	480 V	N-UPS-I2	1	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.SPMP.02	79000 VA	125 A	3	480 V	N-UPS-I2	2	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.SPMP.03	79000 VA	125 A	3	480 V	N-UPS-I2	3	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.SPMP.04	79000 VA	125 A	3	480 V	N-UPS-I2	4	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.SPMP.05	79000 VA	125 A	3	480 V	N-UPS-I2	5	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHB.SPMP.06	79000 VA	125 A	3	480 V	N-UPS-I2	6	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.CH.01	688684 VA	1000 A	3	480 V	MSG-1-N1 L	6	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.01 CONTROLS	500 VA	20 A	3	480 V	N-UPS-L1	15	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.01 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-L1	14	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.01 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-L1	16	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.02	688684 VA	1000 A	3	480 V	MSG-1-N1 M	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.02 CONTROLS	500 VA	20 A	3	480 V	N-UPS-M1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.02 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-M1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.02 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-M1	7	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.03	688684 VA	1000 A	3	480 V	MSG-1-N1 M	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.03 CONTROLS	500 VA	20 A	3	480 V	N-UPS-M1	9	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.03 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-M1	8	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.03 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-M1	10	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.04	688684 VA	1000 A	3	480 V	MSG-1-N1 M	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.04 CONTROLS	500 VA	20 A	3	480 V	N-UPS-M1	12	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.04 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-M1	11	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.04 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-M1	13	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.05	688684 VA	1000 A	3	480 V	MSG-1-N1 M	6	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.05 CONTROLS	500 VA	20 A	3	480 V	N-UPS-M1	15	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.05 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-M1	14	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.05 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-M1	16	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.06	688684 VA	1000 A	3	480 V	MSG-1-N1 N	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.06 CONTROLS	500 VA	20 A	3	480 V	N-UPS-N1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.06 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-N1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.06 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-N1	7	4#12, 1#12G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.07	688684 VA	1000 A	3	480 V	MSG-1-N1 N	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.07 CONTROLS	500 VA	20 A	3	480 V	N-UPS-N1	9	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.07 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-N1	8	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.07 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-N1	10	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.08	688684 VA	1000 A	3	480 V	MSG-1-N1 N	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.08 CONTROLS	500 VA	20 A	3	480 V	N-UPS-N1	12	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.08 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-N1	11	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.08 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-N1	13	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.09	688684 VA	1000 A	3	480 V	MSG-1-N1 N	6	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.09 CONTROLS	500 VA	20 A	3	480 V	N-UPS-N1	15	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.09 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-N1	14	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.09 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-N1	16	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.10	688684 VA	1000 A	3	480 V	MSG-1-N1 O	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.10 CONTROLS	500 VA	20 A	3	480 V	N-UPS-O1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.10 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-O1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.10 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-O1	7	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.11	688684 VA	1000 A	3	480 V	MSG-1-N1 O	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.11 CONTROLS	500 VA	20 A	3	480 V	N-UPS-O1	9	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.11 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-O1	8	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.11 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-O1	10	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH

Mechanical Equipment Schedule - TENNANT FIT UP

Load Name	Apparent Power	Rating	Number of Poles	Voltage	Panel	Circuit Number	Feeder	Comments
1DHC.CH.12	688684 VA	1000 A	3	480 V	MSG-1-N1 O	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.12 CONTROLS	500 VA	20 A	3	480 V	N-UPS-O1	12	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.12 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-O1	11	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.12 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-O1	13	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.13	688684 VA	1000 A	3	480 V	MSG-1-N1 O	6	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT S
1DHC.CH.13 CONTROLS	500 VA	20 A	3	480 V	N-UPS-O1	15	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SW
1DHC.CH.13 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-O1	14	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SW
1DHC.CH.13 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-O1	16	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SW
1DHC.CH.14	688684 VA	1000 A	3	480 V	MSG-1-N1 P	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT S
1DHC.CH.14 CONTROLS	500 VA	20 A	3	480 V	N-UPS-P1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.14 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-P1	4	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.14 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-P1	6	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.15	688684 VA	1000 A	3	480 V	MSG-1-N1 P	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.15 CONTROLS	500 VA	20 A	3	480 V	N-UPS-P1	8	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.15 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-P1	7	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.15 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-P1	9	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.16	688684 VA	1000 A	3	480 V	MSG-1-N1 P	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.16 CONTROLS	500 VA	20 A	3	480 V	N-UPS-P1	11	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.16 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-P1	10	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.CH.16 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-P1	12	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1DHC.HUM.01	14965 VA	30 A	3	480 V	NHBP-HEQ	31,33,35	4#10, 1#10G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1DHC.HUM.02	14965 VA	30 A	3	480 V	NHBP-HEQ	32,34,36	4#10, 1#10G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1DHC.PPMP.01	41430 VA	70 A	3	480 V	N-UPS-L1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.02	41430 VA	70 A	3	480 V	N-UPS-M1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.03	41430 VA	70 A	3	480 V	N-UPS-M1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.04	41430 VA	70 A	3	480 V	N-UPS-M1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.05	41430 VA	70 A	3	480 V	N-UPS-M1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.06	41430 VA	70 A	3	480 V	N-UPS-N1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.07	41430 VA	70 A	3	480 V	N-UPS-N1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.08	41430 VA	70 A	3	480 V	N-UPS-N1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.09	41430 VA	70 A	3	480 V	N-UPS-N1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.10	41430 VA	70 A	3	480 V	N-UPS-O1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.11	41430 VA	70 A	3	480 V	N-UPS-O1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.12	41430 VA	70 A	3	480 V	N-UPS-O1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.13	41430 VA	70 A	3	480 V	N-UPS-O1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.14	41430 VA	70 A	3	480 V	N-UPS-P1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.15	41430 VA	70 A	3	480 V	N-UPS-P1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.PPMP.16	41430 VA	70 A	3	480 V	N-UPS-P1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.SPMP.01	79000 VA	125 A	3	480 V	N-UPS-M2	1	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.SPMP.02	79000 VA	125 A	3	480 V	N-UPS-M2	2	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.SPMP.03	79000 VA	125 A	3	480 V	N-UPS-M2	3	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.SPMP.04	79000 VA	125 A	3	480 V	N-UPS-M2	4	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.SPMP.05	79000 VA	125 A	3	480 V	N-UPS-M2	5	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1DHC.SPMP.06	79000 VA	125 A	3	480 V	N-UPS-M2	6	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1EFF01.SSOU.01	5658 VA	60 A	1	208 V		<unnamed>	3#4, 1#8G, 1"C	PROVIDE 60A/3P/NF/NEMA3R [IDU POWERED FROM ODU]
1EFF01.SSOU.01	5658 VA	60 A	2	208 V	NHBP-WLE Q2	26,28	4#4, 1#8G, 1-1/4"C	PROVIDE 60A/3P/NF/NEMA3R [IDU POWERED FROM ODU]
1EG04-07.DOAS.01	39039 VA	80 A	3	480 V	N-UPS-B2	13	4#3,1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1EG04-07.DOAS.02	39039 VA	80 A	3	480 V	N-UPS-B2	14	4#3,1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1EG04.SWUD.01	47166 VA	80 A	3	480 V	SHBP-HEQ	2,4,6	4#3,1#8G, 1-1/4"C	INTEGRAL DISCONNECT PROVIDED BY DIV 23
1EG04.SWUD.02	47166 VA	80 A	3	480 V	SHBP-HEQ	1,3,5	4#3,1#8G, 1-1/4"C	INTEGRAL DISCONNECT PROVIDED BY DIV 23
1EG07.SWUD.01	60551 VA	110 A	3	480 V	SHBP-HEQ	7,9,11	4#1,1#6G,1-1/2"C	INTEGRAL DISCONNECT PROVIDED BY DIV 23
1EG07.SWUD.02	60551 VA	110 A	3	480 V	SHBP-HEQ	8,10,12	4#1,1#6G,1-1/2"C	INTEGRAL DISCONNECT PROVIDED BY DIV 23
1EG13-14.DOAS.01	39039 VA	80 A	3	480 V	N-UPS-N1	17	4#3,1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1EG13-14.DOAS.02	39039 VA	80 A	3	480 V	N-UPS-N2	1	4#3,1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1EG13.SWUD.01	60551 VA	110 A	3	480 V	NHBP-HEQ	1,3,5	4#1,1#6G,1-1/2"C	INTEGRA

Mechanical Equipment Schedule - TENNANT FIT UP

Load Name	Apparent Power	Rating	Number of Poles	Voltage	Panel	Circuit Number	Feeder	Comments
1MV05.SSOU.02	5658 VA	60 A	2	208 V	SHBP-WLEQ1	3,5	4#4, 1#8G, 1-1/4"C	PROVIDE 60A/3P/NF/NEMA3R [IDU POWERED FROM ODU]
1MV06.SSOU.01	5658 VA	60 A	2	208 V	SHBP-WLEQ1	6,8	4#4, 1#8G, 1-1/4"C	PROVIDE 60A/3P/NF/NEMA3R [IDU POWERED FROM ODU]
1MV06.SSOU.02	5658 VA	60 A	2	208 V	SHBP-WLEQ1	7,9	4#4, 1#8G, 1-1/4"C	PROVIDE 60A/3P/NF/NEMA3R [IDU POWERED FROM ODU]
1MV11.SSOU.01	5658 VA	60 A	2	208 V	NHBP-WLEQ2	10,12	4#4, 1#8G, 1-1/4"C	PROVIDE 60A/3P/NF/NEMA3R [IDU POWERED FROM ODU]
1MV11.SSOU.02	5658 VA	60 A	2	208 V	NHBP-WLEQ2	15,17	4#4, 1#8G, 1-1/4"C	PROVIDE 60A/3P/NF/NEMA3R [IDU POWERED FROM ODU]
1MV12.SSOU.01	5658 VA	60 A	2	208 V	NHBP-WLEQ2	14,16	4#4, 1#8G, 1-1/4"C	PROVIDE 60A/3P/NF/NEMA3R [IDU POWERED FROM ODU]
1MV12.SSOU.02	5658 VA	60 A	2	208 V	NHBP-WLEQ2	18,20	4#4, 1#8G, 1-1/4"C	PROVIDE 60A/3P/NF/NEMA3R [IDU POWERED FROM ODU]
1MV15.SSOU.01	5658 VA	60 A	2	208 V	NHBP-WLEQ2	19,21	4#4, 1#8G, 1-1/4"C	PROVIDE 60A/3P/NF/NEMA3R [IDU POWERED FROM ODU]
1MV15.SSOU.02	5658 VA	60 A	2	208 V	NHBP-WLEQ2	23,25	4#4, 1#8G, 1-1/4"C	PROVIDE 60A/3P/NF/NEMA3R [IDU POWERED FROM ODU]
1MV16.SSOU.01	5658 VA	60 A	2	208 V	NHBP-WLEQ2	22,24	4#4, 1#8G, 1-1/4"C	PROVIDE 60A/3P/NF/NEMA3R [IDU POWERED FROM ODU]
1MV16.SSOU.02	5658 VA	60 A	2	208 V	NHBP-WLEQ2	27,29	4#4, 1#8G, 1-1/4"C	PROVIDE 60A/3P/NF/NEMA3R [IDU POWERED FROM ODU]
1NH-DHA.DOAS.01	51787 VA	90 A	3	480 V	N-UPS-B2	11	4#2, 1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH-DHA.DOAS.02	51787 VA	90 A	3	480 V	N-UPS-B2	12	4#2, 1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.01	688684 VA	1000 A	3	480 V	MSG-1-N1A	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.01 CONTROLS	500 VA	20 A	3	480 V	N-UPS-A1	7	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.01 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-A1	4	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.01 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-A1	5	4#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.02	688684 VA	1000 A	3	480 V	MSG-1-N1A	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.02 CONTROLS	500 VA	20 A	3	480 V	N-UPS-A1	11	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.02 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-A1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.02 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-A1	12	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.03	688684 VA	1000 A	3	480 V	MSG-1-N1A	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.03 CONTROLS	500 VA	20 A	3	480 V	N-UPS-A1	10	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.03 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-A1	8	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.03 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-A1	9	4#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.04	688684 VA	1000 A	3	480 V	MSG-1-N1B	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.04 CONTROLS	500 VA	20 A	3	480 V	N-UPS-D1	12	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.04 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-D1	11	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.04 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-B1	11	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.05	688684 VA	1000 A	3	480 V	MSG-1-N1B	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.05 CONTROLS	500 VA	20 A	3	480 V	N-UPS-B1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.05 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-B1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.05 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-B1	12	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.06	688684 VA	1000 A	3	480 V	MSG-1-N1B	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.06 CONTROLS	500 VA	20 A	3	480 V	N-UPS-B1	8	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.06 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-B1	7	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.06 PUMP CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-B1	13	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.07	688684 VA	1000 A	3	480 V	MSG-1-N1B	6	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.07 CONTROLS	500 VA	20 A	3	480 V	N-UPS-B1	10	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.07 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-B1	9	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.07 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-B1	14	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.08	688684 VA	1000 A	3	480 V	MSG-1-N1C	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.08 CONTROLS	500 VA	20 A	3	480 V	N-UPS-C1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.08 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-C1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.08 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-C1	7	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.09	688684 VA	1000 A	3	480 V	MSG-1-N1C	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH

Mechanical Equipment Schedule - TENNANT FIT UP

Load Name	Apparent Power	Rating	Number of Poles	Voltage	Panel	Circuit Number	Feeder	Comments
1NH.CH.09 CONTROLS	500 VA	20 A	3	480 V	N-UPS-C1	9	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.09 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-C1	8	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.09 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-C1	10	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.10	688684 VA	1000 A	3	480 V	MSG-1-N1C	5	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.10 CONTROLS	500 VA	20 A	3	480 V	N-UPS-C1	12	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWI
1NH.CH.10 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-C1	11	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWI
1NH.CH.10 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-C1	13	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SW
1NH.CH.11	688684 VA	1000 A	3	480 V	MSG-1-N1C	6	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SV
1NH.CH.11 CONTROLS	500 VA	20 A	3	480 V	N-UPS-C1	16	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWI
1NH.CH.11 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-C1	15	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.11 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-C1	14	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.12	688684 VA	1000 A	3	480 V	MSG-1-N1D	6	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.12 CONTROLS	500 VA	20 A	3	480 V	N-UPS-D1	6	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.12 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-D1	5	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.12 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-D1	7	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.13	688684 VA	1000 A	3	480 V	MSG-1-N1D	3	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.13 CONTROLS	500 VA	20 A	3	480 V	N-UPS-D1	10	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.13 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-D1	9	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.13 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-D1	8	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.14	688684 VA	1000 A	3	480 V	MSG-1-N1D	4	3 SETS, EA: 4#400MCM, 1#3/0G, 3"C	PROVIDE 1200A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.14 CONTROLS	500 VA	20 A	3	480 V	N-UPS-D1	14	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.14 HEAT TRACE ENCLOSURE	7570 VA	20 A	3	480 V	N-UPS-D1	13	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.CH.14 PUMP & CONTROLS ENCLOSURE	30275 VA	50 A	3	480 V	N-UPS-D1	15	3#6, 1#10G, 3/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
1NH.HUM.01	14965 VA	30 A	3	480 V	SHBP-HEQ	20,22,24	4#10, 1#10G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1NH.HUM.02	14965 VA	30 A	3	480 V	SHBP-HEQ	25,27,29	4#10, 1#10G, 3/4"C	PROVIDE 30A/3P/NF/NEMA1 DISCONNECT SWITCH
1NH.PPMP.01	41430 VA	70 A	3	480 V	N-UPS-A1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.PPMP.02	41430 VA	70 A	3	480 V	N-UPS-A1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.PPMP.03	41430 VA	70 A	3	480 V	N-UPS-A1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.PPMP.04	41430 VA	70 A	3	480 V	N-UPS-B1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.PPMP.05	41430 VA	70 A	3	480 V	N-UPS-B1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.PPMP.06	41430 VA	7 A	3	480 V	N-UPS-B1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.PPMP.07	41430 VA	70 A	3	480 V	N-UPS-B1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.PPMP.08	41430 VA	70 A	3	480 V	N-UPS-C1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.PPMP.09	41430 VA	70 A	3	480 V	N-UPS-C1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.PPMP.10	41430 VA	70 A	3	480 V	N-UPS-C1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.PPMP.11	41430 VA	70 A	3	480 V	N-UPS-C1	4	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.PPMP.12	41430 VA	70 A	3	480 V	N-UPS-D1	1	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.PPMP.13	41430 VA	70 A	3	480 V	N-UPS-D1	2	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.PPMP.14	41430 VA	70 A	3	480 V	N-UPS-D1	3	4#4, 1#8G, 1-1/4"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.SPMP.01	79000 VA	125 A	3	480 V	N-UPS-A2	1	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.SPMP.02	79000 VA	125 A	3	480 V	N-UPS-A2	2	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.SPMP.03	79000 VA	125 A	3	480 V	N-UPS-A2	3	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.SPMP.04	79000 VA	125 A	3	480 V	N-UPS-A2	4	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1NH.SPMP.05	79000 VA	125 A	3	480 V	N-UPS-A2	5	4#1,1#6G,1-1/2"C	VFD WITH INTEGRAL DISCONNECT PROVIDED BY DIV 23
1UPS23.CRAC.01	41589 VA	70 A	3	480 V	N-UPS-B2	3	4#4, 1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA1 DISCONNECT SWITCH
1UPS23.CRAC.02	41589 VA	70 A	3	480 V	N-UPS-B2	4	4#4, 1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA1 DISCONNECT SWITCH
1UPS23.CU.01	8923 VA	20 A	3	480 V	N-UPS-C2	5	4#12, 1#12G, 3/4"C	PRIVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
1UPS23.CU.02	8923 VA	20 A	3	480 V	N-UPS-C2	6	4#12, 1#12G, 3/4"C	PRIVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
WH-1	6000 VA	20 A	3	480 V	SHBP-HEQ	32,34,36	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
WH-2	6000 VA	20 A	3	480 V	SHBP-HEQ	37,39,41	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
WH-3	6000 VA	20 A	3	480 V	SHBP-HEQ	38,40,42	4#12, 1#12G, 3/4"C	PROVIDE 30A/3P/NF/NEMA3R DISCONNECT SWITCH
WH-4	10000 VA	50 A	1	277 V	SHBP-LP	23	4#6, 1#10G, 3/4"C	PROVIDE 60A/3P/NF/NEMA3R DISCONNECT SWITCH
WH-5	16000 VA	80 A	1	277 V	SHBP-LP	18	4#3,1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
WH-6	16000 VA	80 A	1	277 V	SHBP-LP	19	4#3,1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
WH-7	16000 VA	80 A	1	277 V	SHBP-LP	20	4#3,1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH
WH-8	16000 VA	80 A	1	277 V	SHBP-LP	21	4#3,1#8G, 1-1/4"C	PROVIDE 100A/3P/NF/NEMA3R DISCONNECT SWITCH

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
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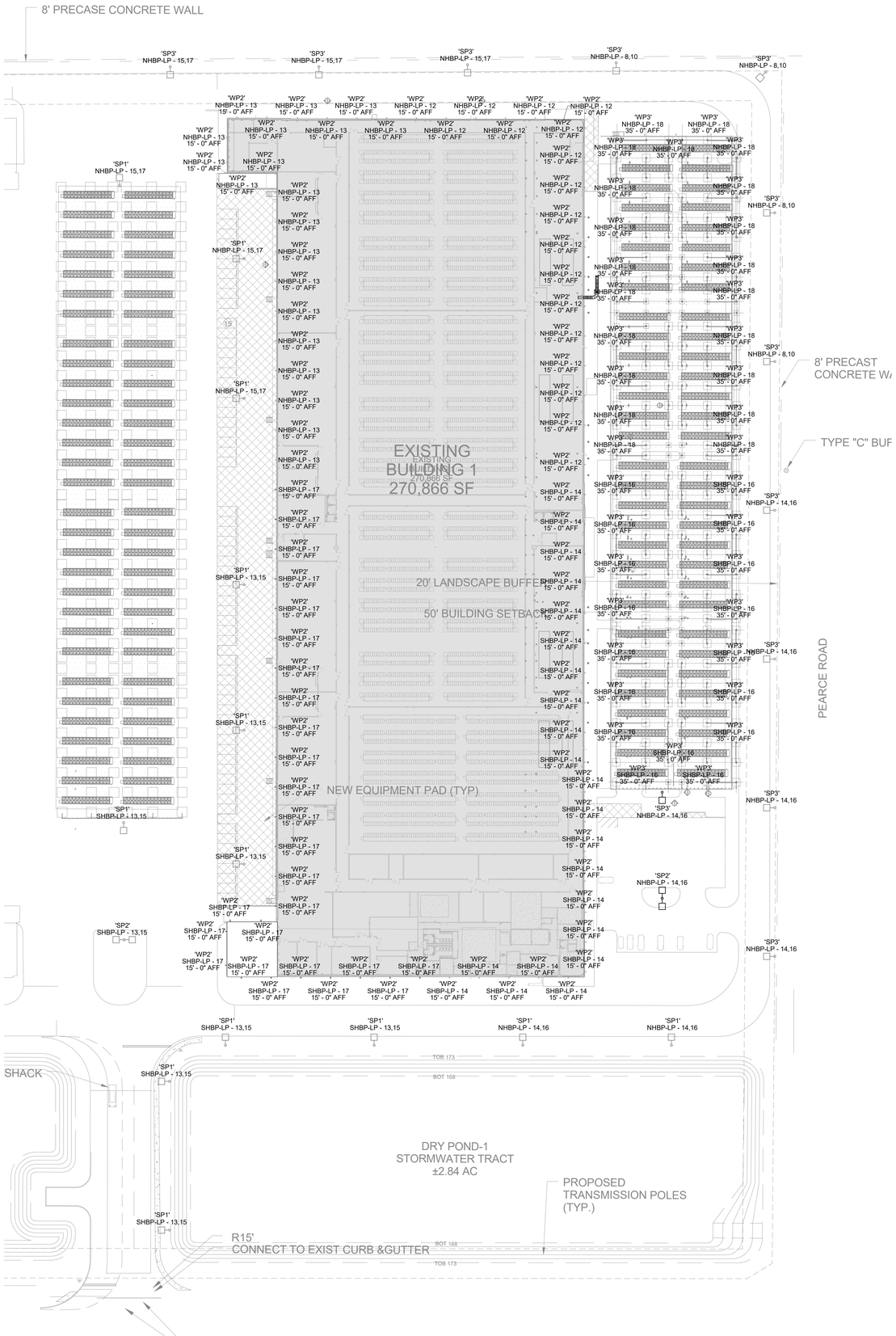
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SHEET TITLE

MECHANICAL EQUIPMENT SCHEDULE

SHEET NUMBER

BLDG1-EP204-A



1 SITE PLAN - LIGHTING
SCALE: 1" = 50'-0"

GENERAL NOTES:

A. ALL LIGHTS SHALL BE CONTROLLED VIA LIGHTING CONTACTOR PANEL LOCATED NEXT TO EACH LIGHITNG PANEL. PROVIDE AN ASTRONOMICAL TIME CLOCK AND PHOTOCELL FOR CONTROL OF ALL EXTERIOR LIGHITING.

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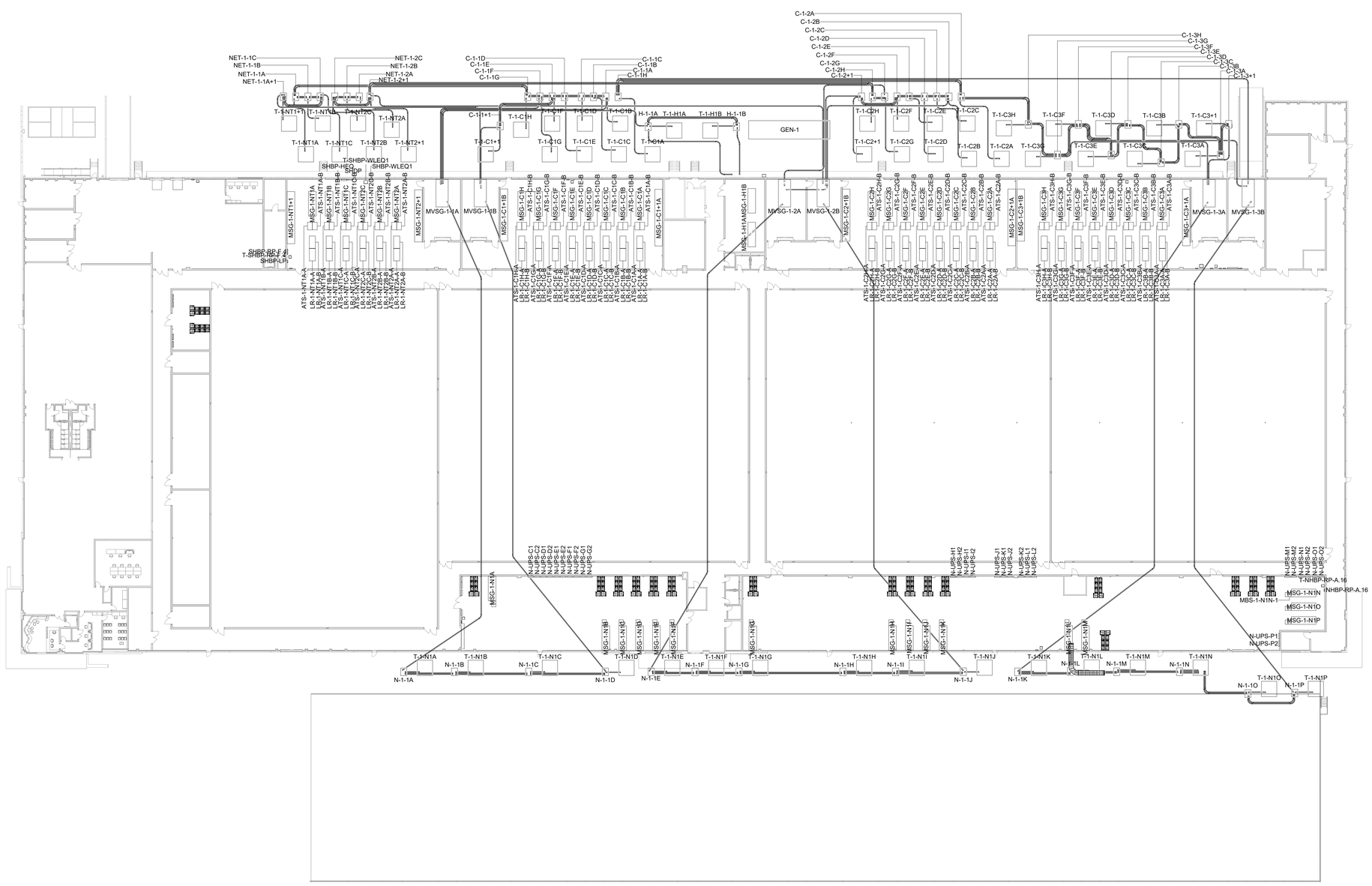
SHEET TITLE

ELECTRICAL - SITE PLAN - LIGHTING

SHEET NUMBER
BLDG1-ES001

KEYED NOTES:

1. MEDIUM VOLTAGE FEED FROM UTILITY SUBSTATION TO BE TERMINATED IN PULL BOX AND ROUTED INTO MEDIUM VOLTAGE SWITCHGEAR VIA UNDERGROUND CONDUIT. COORDINATE WITH UTILITY AND OWNER FOR EXACT LOCATION OF PULL BOX.



1 POWER - UNDERGROUND CONDUIT PLAN

SCALE: 1" = 30'-0"

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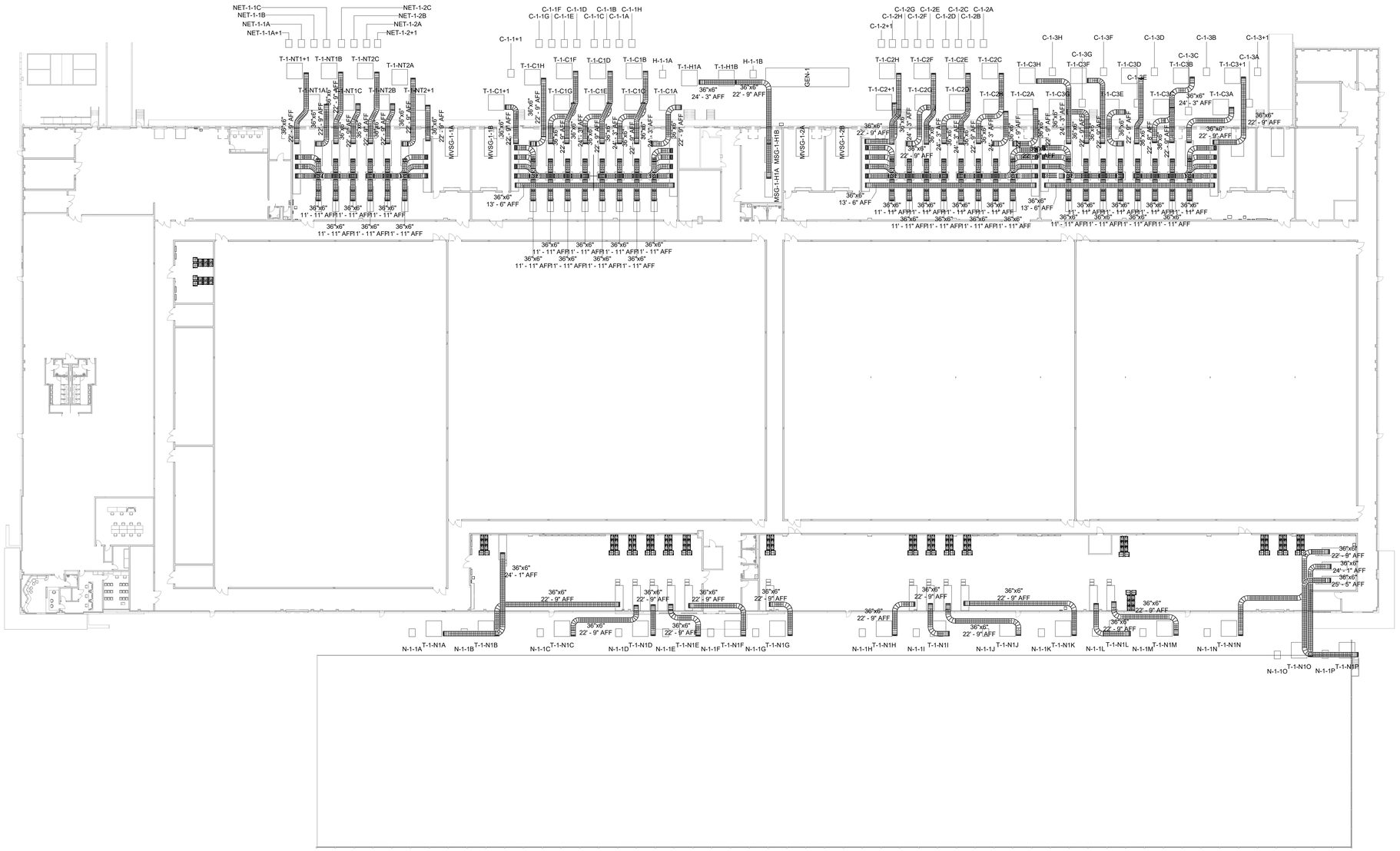
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SHEET TITLE

ELECTRICAL - SITE PLAN - UNDERGROUND CONDUIT

SHEET NUMBER

BLDG1-ES010



1 POWER - CABLE TRAY

SCALE: 1" = 30'-0"

GENERAL NOTES:

A. CABLE TRAY SHALL HAVE CONTINUOUS #4/0 GROUND WIRE ROUTED WITH THE TRAY BONDED ON EACH END.

B. PROVIDE EXPANSION FITTINGS BETWEEN CABLE TRAY SECTIONS THAT CROSS EXPANSION JOINTS IN THE STRUCTURAL SYSTEM PER MANUFACTURER'S RECOMMENDATION. PROVIDE EXPANSION FITTINGS ON BOTH SIDES OF CABLE TRAY WHERE THEY SPAN A GAP IN THE STRUCTURAL SYSTEM.

C. PROVIDE "DANGER-HIGH VOLTAGE-KEEP AWAY" SIGN IN READILY VISIBLE LOCATION ON ALL CABLE TRAYS AT INTERVALS NOT TO EXCEED 10' PER NEC 392.18(H).

D. CABLE TRAY SHALL BE LISTED AND LABELED FOR USE PER NEC 110.3.

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SHEET TITLE

ELECTRICAL - SITE PLAN - CABLE TRAY

SHEET NUMBER

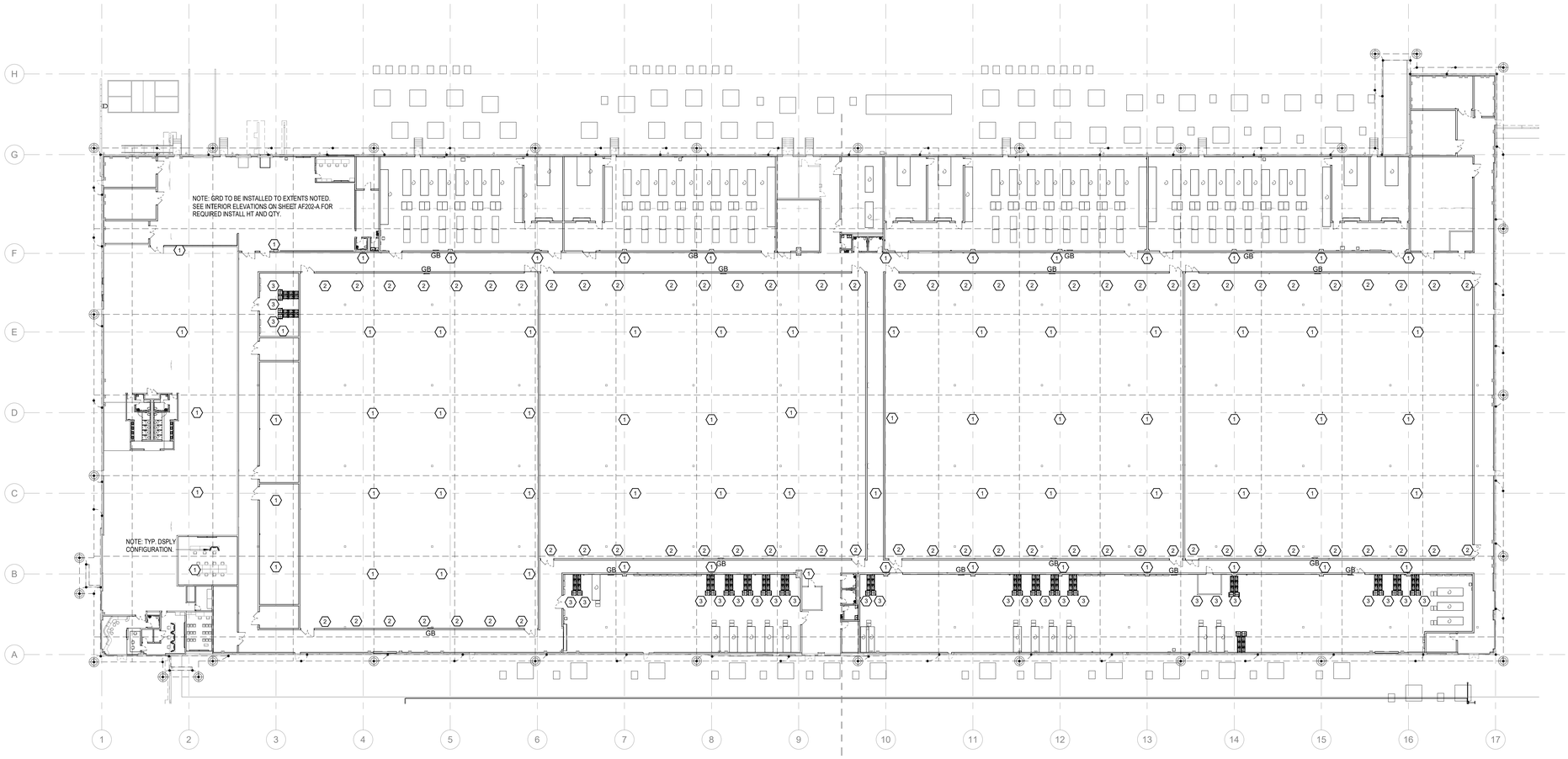
BLDG1-ES011

KEYED NOTES:

1. PROVIDE #6 GROUNDING BOND FROM ALL STEEL COLUMNS IN SPACE BACK TO SECONDARY GROUND BAR (SGB) IN SPACE, WHICHEVER GROUND BAR IS CLOSER IS ACCEPTABLE.
2. PROVIDE #6 GROUNDING BOND FROM RACK ENCLOSURES BACK TO SECONDARY GROUND BAR (SGB) IN SPACE. BOND RACK ENCLOSURE TOGETHER VIA #6 BONDING JUMPER.
3. PROVIDE #6 GROUNDING BOND FROM UPS AND BATTERY ENCLOSURE BACK TO THE MAIN GROUND BAR (MGB) IN THE ELECTRICAL ROOM. BOND ALL SECTIONS OF THE UPS AND BATTERY CABINET TOGETHER WITH #6 BONDING JUMPERS.

GENERAL NOTES:

A. PROVIDE #6 GROUNDING BOND EVERY 50' TO ALL CABLE TRAY ON THE EXTERIOR OF BUILDING.



1 BLDG 1 FLOOR PLAN - GROUNDING
SCALE: 1/32" = 1'-0"

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SHEET TITLE

ELECTRICAL - GROUNDING

SHEET NUMBER
BLDG1-ES014

LIGHTNING PROTECTION LEGEND	
	GROUND TEST WELL
	LIGHTNING PROTECTION AIR TERMINAL
	BONDING CONNECTION
	LIGHTNING PROTECTION CABLING TO BE #4/0
	GROUND ROD TIED TO DOWNLEAD AND GROUND RING
	#4/0 GROUND RING AROUND PERIMETER OF BUILDING
	LIGHTNING PROTECTION DOWN LEAD AND CONNECTION TO GROUND RING VIA #4/0

GENERAL NOTES:

A. THE DESIGN LAYOUT AND INSTALLATION DETAILS SHOWN HEREON SHALL MEET THE REQUIREMENTS OF NFPA 780, LPI 175, AND UNDERWRITERS' LABORATORIES STANDARD 96A FOR MASTER LABELED LIGHTNING PROTECTION SYSTEMS. LIGHTNING PROTECTION SYSTEMS SHALL BE THIRD PARTY CERTIFIED AS COMPLIANT WITH AFI 32-1065 AND NFPA 780. THE ACTUAL MASTER LABEL WILL BE DELIVERED UPON COMPLETION OF INSTALLATION.

B. METAL BODIES OF INDUCTANCE LOCATED ABOUT THE ROOF SUCH AS: METAL FLASHINGS, GRAVEL STOPS, ROOF DRAINS, SOIL PIPE VENTS, INSULATION VENTS, LOUVERS AND DOOR FRAMES SITUATED WITHIN 6'0" OF A LIGHTNING CONDUCTOR OF BONDED METAL BODY SHALL BE INTERCONNECTED TO THE LIGHTNING CONDUCTOR SYSTEM.

C. NO BEND OF A CONDUCTOR SHALL FORM A FINAL INCLUDED ANGLE OF LESS THAN 90 DEGREES NOR SHALL HAVE A RADIUS OF BEND LESS THAN 8".

D. CONDUCTORS SHALL INTERCONNECT ALL AIR TERMINALS AND SHALL FORM A TWO WAY PATH FROM EACH AIR TERMINAL HORIZONTALLY OR DOWNWARD TO CONNECTIONS WITH GROUND TERMINALS.

E. ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED NOT MORE THAN 3'0" MAXIMUM SPACING.

F. CONNECTIONS TO GROUND ROD OR GROUND LOOP CONDUCTOR SHALL BE MADE AT A POINT NOT LESS THAN 1'0" BELOW GRADE AND 2'0" AWAY FROM FOUNDATION WALL.

G. ACTUAL JOBSITE CONDITIONS MAY NECESSITATE SLIGHT ALTERATIONS IN AIR TERMINAL AND GROUND ROD LOCATIONS.

H. AIR TERMINALS SHALL BE PLACED AT ALL UNPROTECTED OUTSIDE CORNERS AND LOCATED INTERMEDIATELY ON 20'0" MAXIMUM SPACING AROUND THE ROOF PERIMETER OR RIDGE AND WITHIN 2'0" OF OUTSIDE EDGE.

I. TELEPHONE AND/OR ELECTRICAL SERVICE ENTRANCE GROUNDS SHALL BE INTERCONNECTED TO ONE LIGHTNING PROTECTION GROUND OR WATER PIPE.

J. BOND ALL METALLIC PIPES INCLUDING WATER, FIRE, GAS, SEWER, STORM, ETC. WHICH ENTER THE STRUCTURE TO THE NEAREST DOWNLEAD, GROUND ROD OR GROUND LOOP. BOND AT BOTTOM AND TOP.

K. BARE COPPER LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM ROOF OR SIDING OR OTHER ALUMINUM SURFACES AND VICE VERSA, ALUMINUM LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON COPPER ROOFING OR COPPER SIDING OR OTHER COPPER SURFACES.

L. THE LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED IN A NEAT AND INCONSPICUOUS MANNER SO THAT ALL COMPONENTS WILL BLEND IN WITH THE APPEARANCE OF THE BUILDING.

M. EACH INDIVIDUAL ITEM OF THE LIGHTNING PROTECTION SYSTEM LAYOUT HAS NOT BEEN DESIGNATED BY A DETAIL TYPE. THE ITEMS LABELED TYPICAL ARE TYPICAL FOR SIMILAR AREAS & CONDITIONS WHICH OCCUR THROUGHOUT THE SYSTEM. ALL MATERIALS ARE TO BE CLASS 1.

N. BOND DOWN CONDUCTORS TO TOP AND BOTTOM OF STRUCTURAL STEEL COLUMNS OR TO REBARS OF CONCRETE COLUMNS WHERE DOWN CONDUCTORS ARE INSTALLED TO COLUMNS.

O. BOND ALL METALLIC SERVICE ENTRANCE CONDUIT AND PIPE TO THE LIGHTNING PROTECTION SYSTEM.

P. BOND NEW SYSTEM TO EXISTING SYSTEM WHERE APPLICABLE AND INDICATED. CONNECT EXISTING MAIN CONDUCTOR TO NEW MAIN CONDUCTORS WHERE INDICATED. WHEN RELOCATING EXISTING AIR TERMINALS OR ADDING NEW WHERE INDICATED, BOND TO EXISTING MAIN CONDUCTORS AS REQUIRED.

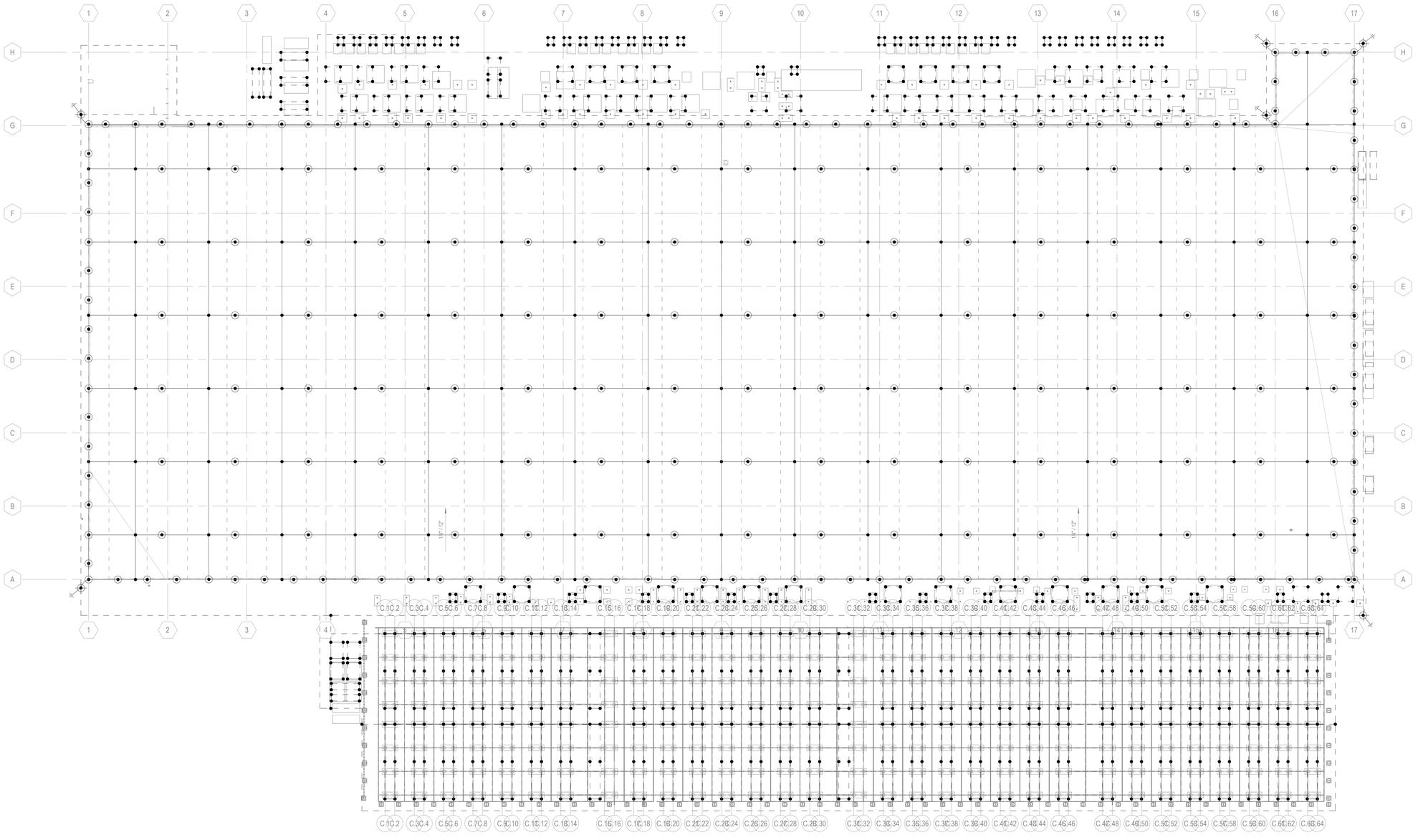
Q. ADHESIVE ATTACHMENT OF LIGHTNING PROTECTION DEVICES SHALL BE BY AN ADHESIVE WHICH FUSES WITH THE ROOF STRUCTURE. ATTACHMENT MUST BE STRUCTURALLY SOUND TO THE POINT WHERE REMOVAL WOULD CAUSE DESTRUCTION OF THE ROOF. COORDINATE ADHESIVE TYPE WITH ROOF MATERIAL TO ENSURE COMPATIBILITY.

R. ALL CATALOG NUMBERS INDICATED ARE THOSE OF A-C LIGHTNING SECURITY, INC.

S. EQUIPMENT BONDING OF ALL METAL DEVICES WITHIN 6'0" OF LIGHTNING PROTECTION MAIN CONDUCTOR MUST BE MADE TO COMPLY WITH NFPA 780.

T. PROVIDE #4/0 GROUND RING AROUND PERIMETER OF BUILDING BURIED A MINIMUM OF 3'0" BELOW GRADE.

U. PROVIDE TEST WELLS AT ALL DOWNLEAD BONDS TO THE GROUND RING.



1 BLDG 1 ROOF PLAN - LIGHTNING PROTECTION

SCALE: 1" = 30'-0"

Salas O'Brien

salasobrien.com 615.346.3400

Nashville
2950 Kraft Drive
Nashville, TN 37204

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2645-00192-00

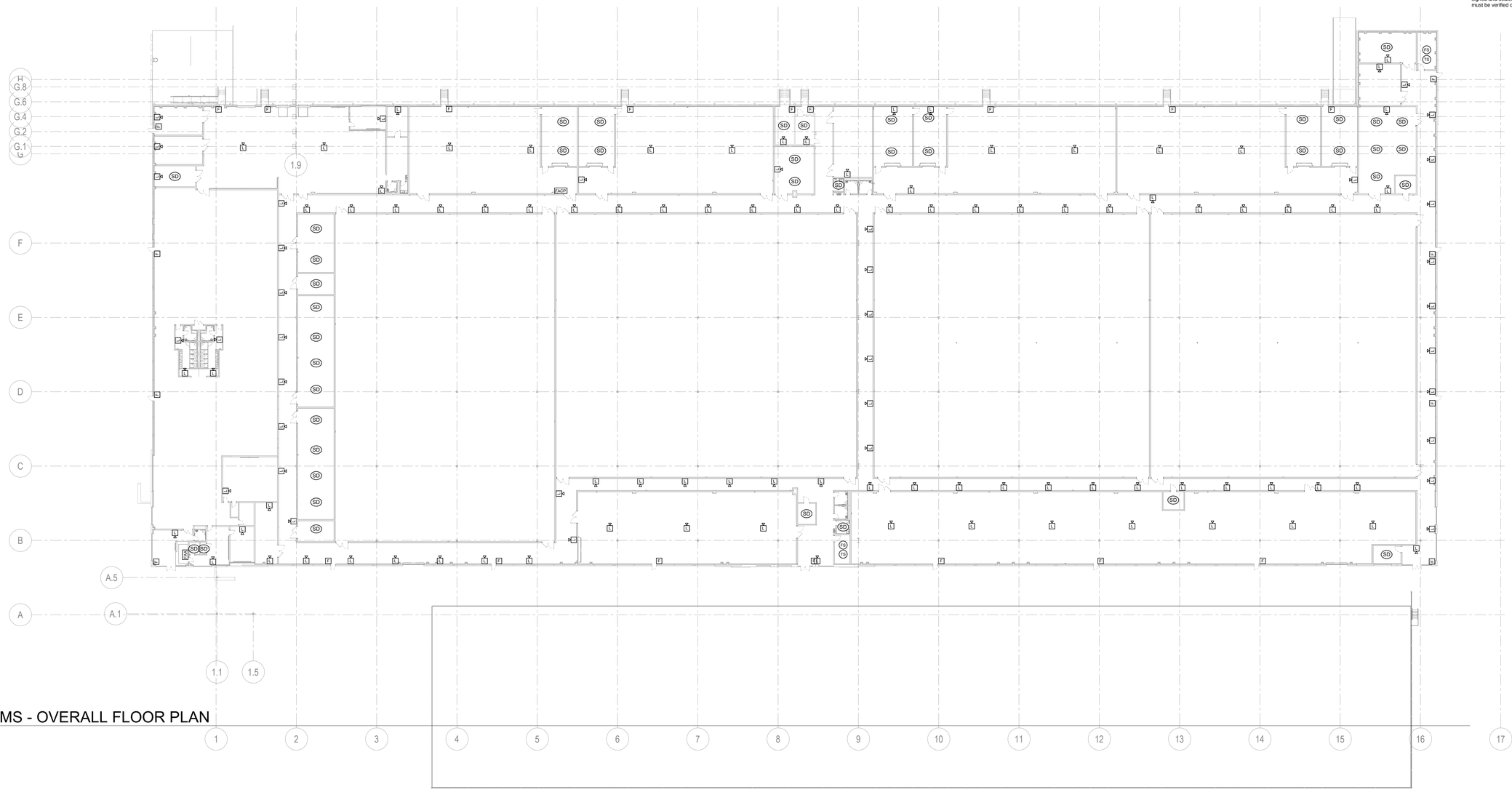
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SHEET TITLE

ELECTRICAL - LIGHTNING PROTECTION

SHEET NUMBER
BLDG1-ES015



1 SYSTEMS - OVERALL FLOOR PLAN
SCALE: 1" = 30'-0"

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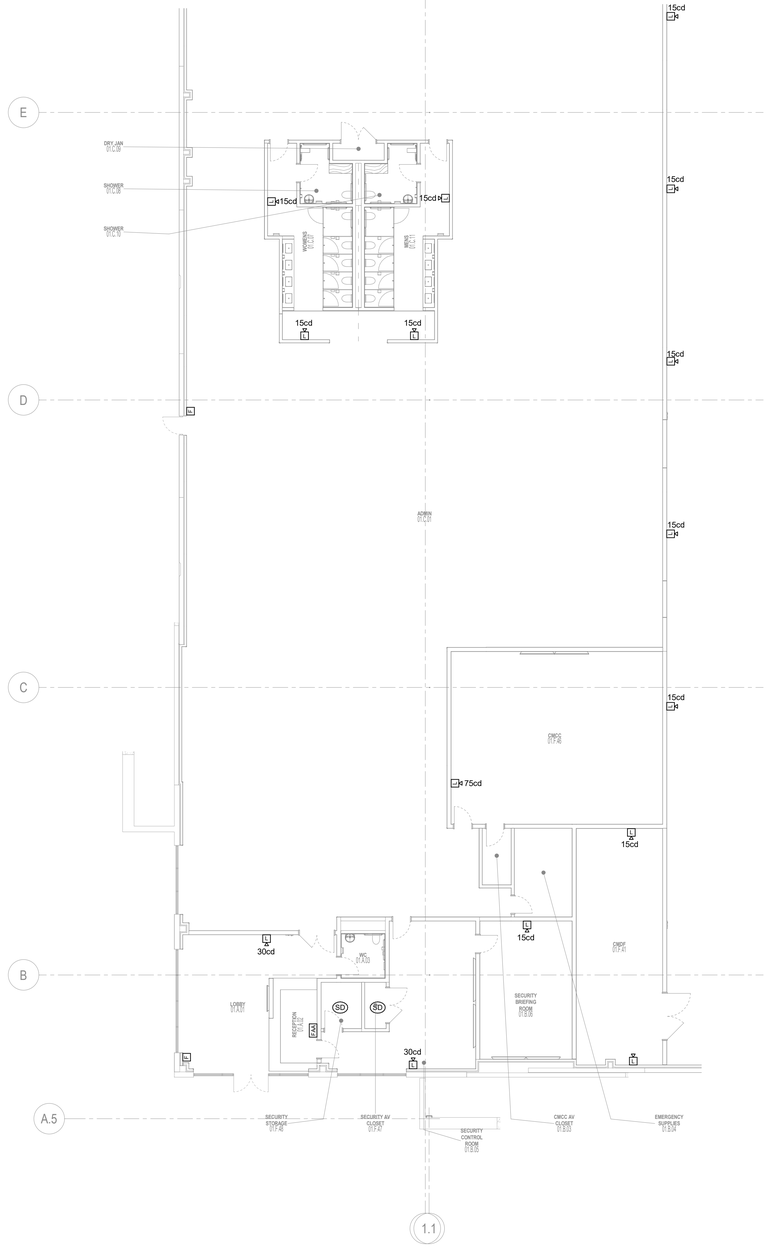
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SHEET TITLE

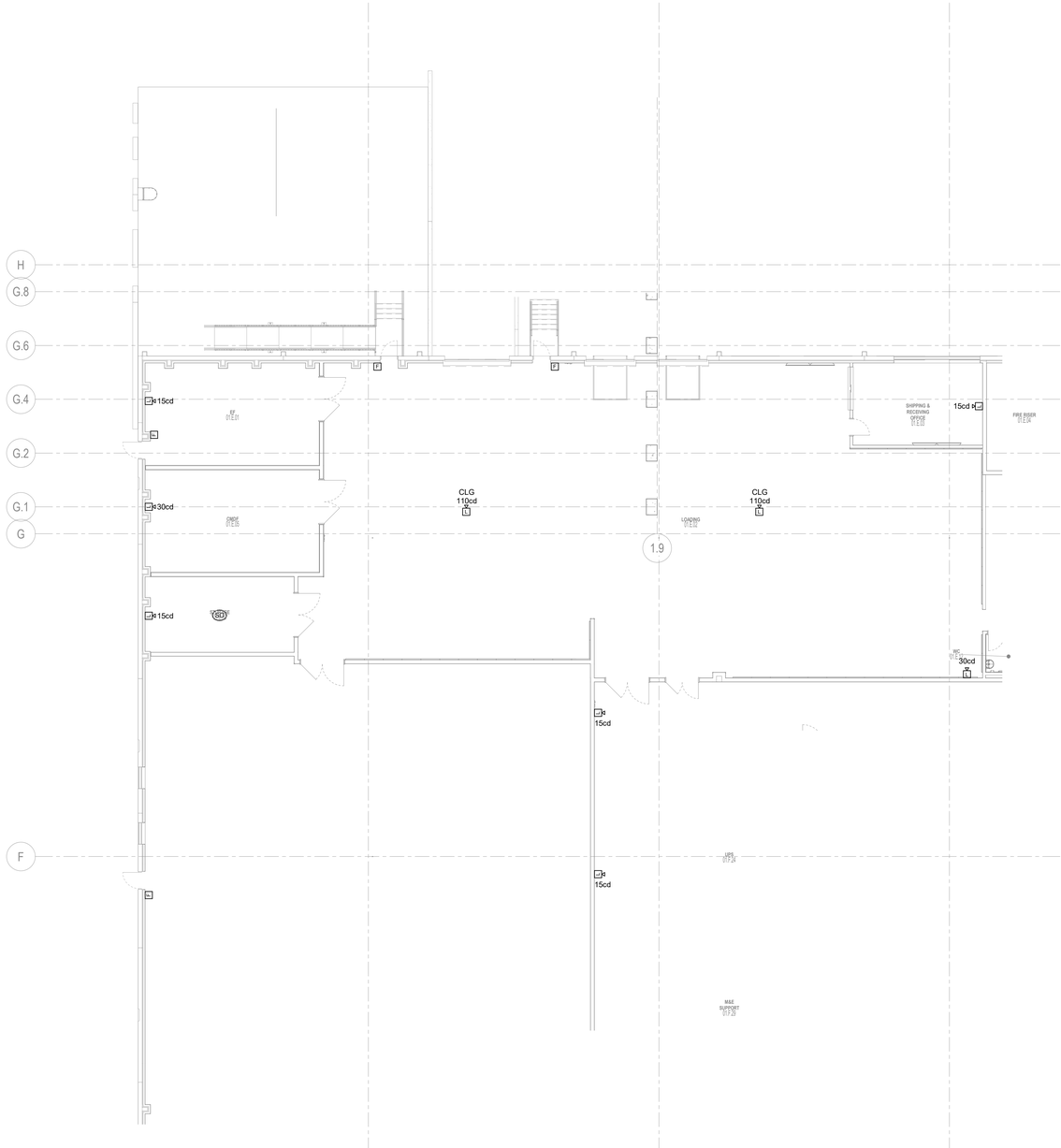
SYSTEMS- OVERALL FLOOR PLAN

SHEET NUMBER
BLDG1-EY101-A



1 ENLARGED PLAN - OFFICE AREA - SYSTEMS

SCALE: 3/32" = 1'-0"



2 ENLARGED PLAN - STORAGE AREA - SYSTEMS

SCALE: 3/32" = 1'-0"

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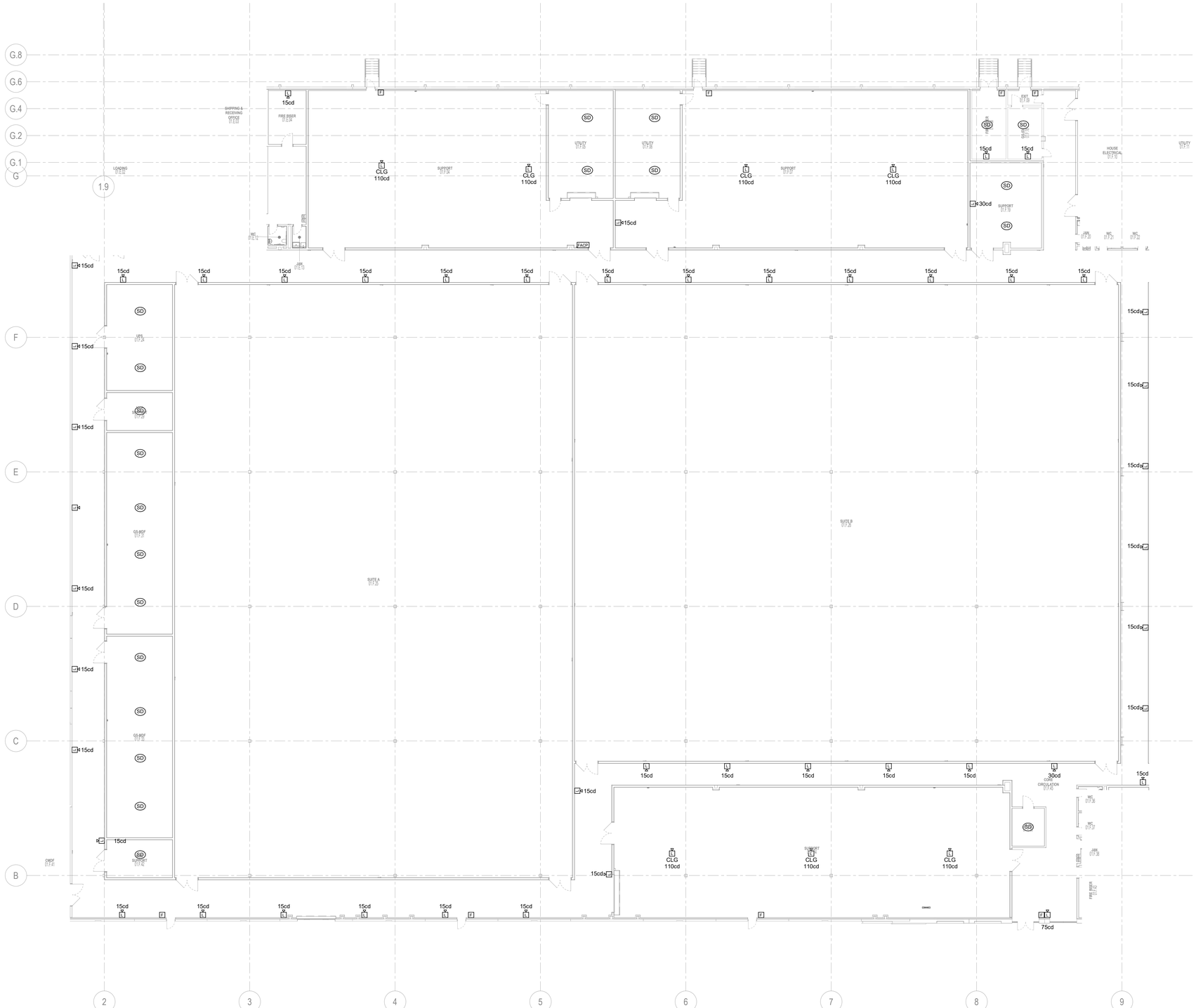
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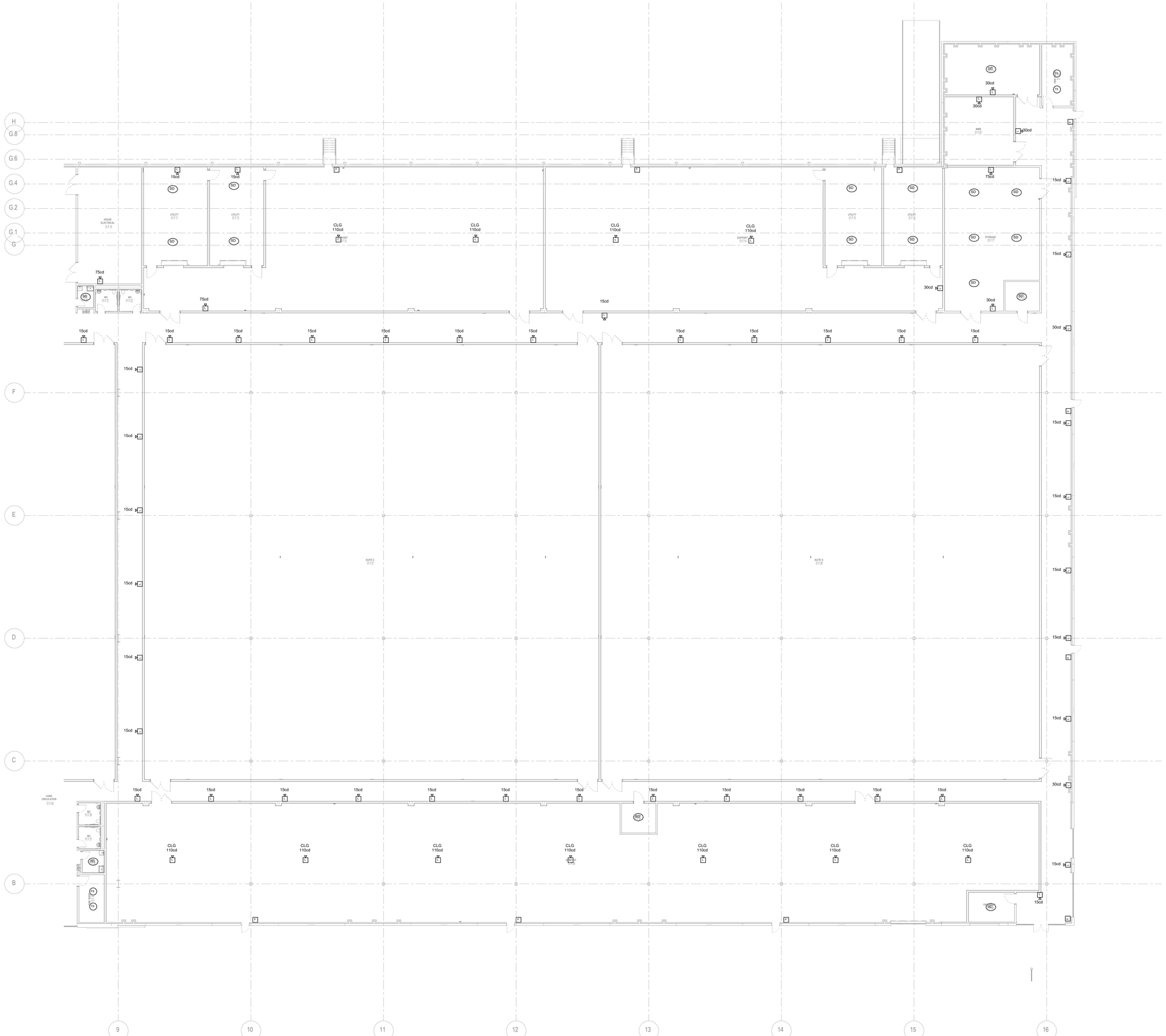
SHEET TITLE

SYSTEMS - ENLARGED FLOOR PLAN - OFFICE & STORAGE AREA

SHEET NUMBER

BLDG1-EY102-A


G.8
G.6
G.4
G.2
G.1
G
F
E
D
C
B
A
1.9
2
3
4
5
6
7
8
9
15cd
30cd
75cd
CLG
110cd
SD
F
F/ACP
SHIPPING & RECEIVING OFFICE
LOADING
FIRE RISER
SUPPORT
UTILITY
HOUSE ELECTRICAL
SUITE A
CIRCULATION
SUPPORT
SUPPORT
SUPPORT



1 ENLARGED PLAN - DATA HALL B & C - SYSTEMS

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

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SHEET TITLE

SYSTEMS - ENLARGED FLOOR PLAN - DATA HALL B & C

SHEET NUMBER
BLDG1-EY104-A