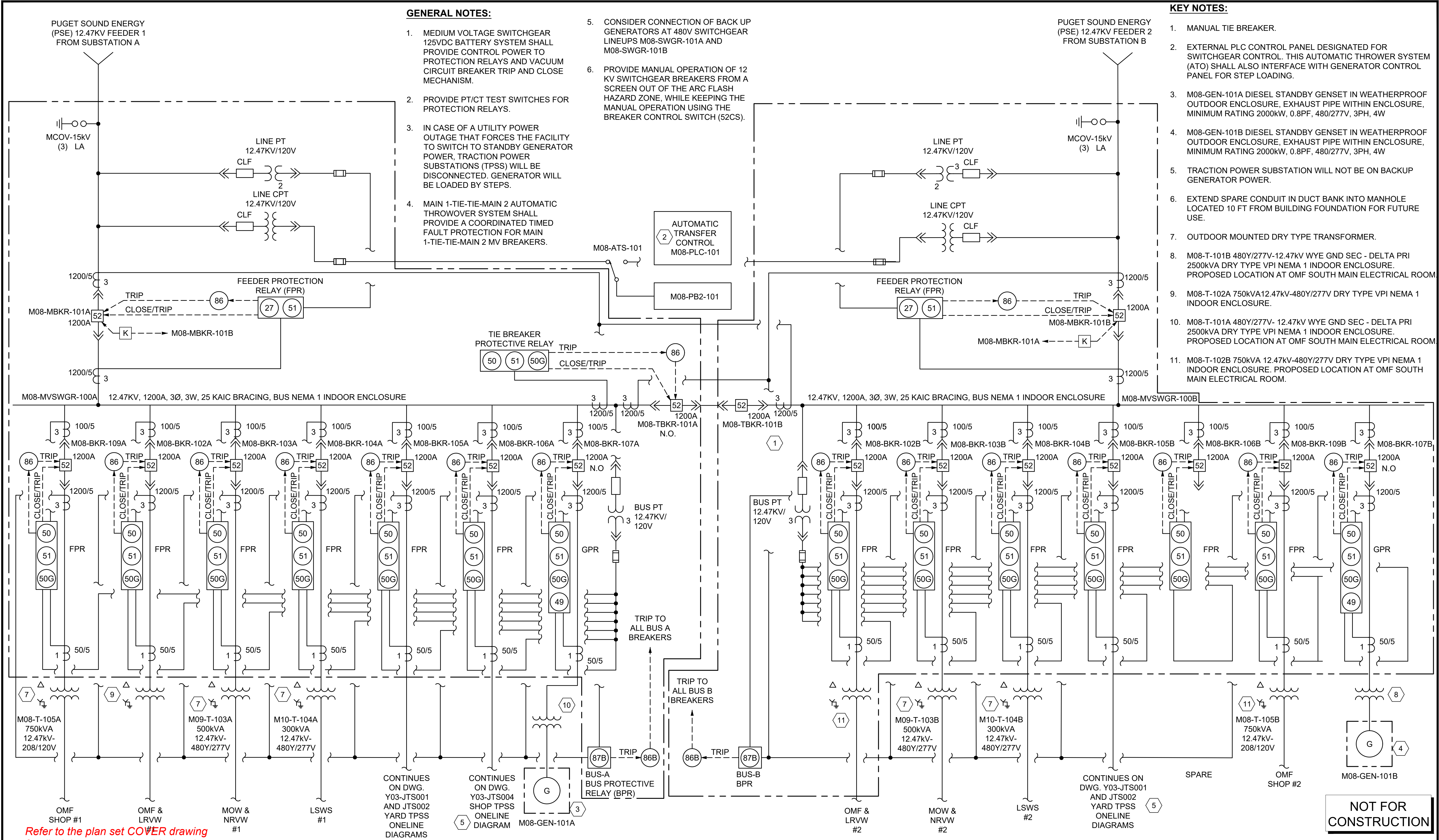
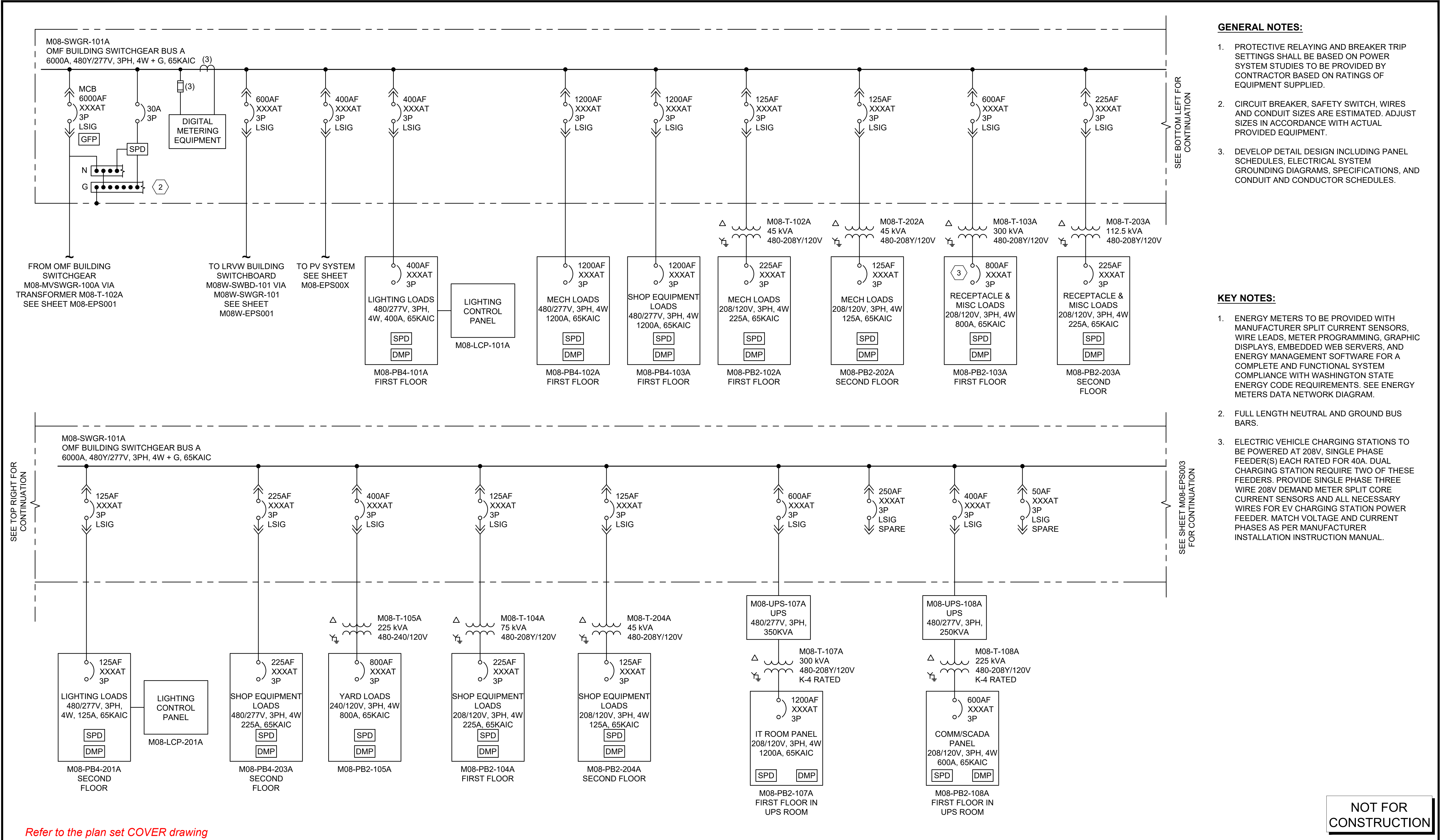


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for disclaimers regarding this drawing.

5										AHJ:										PACKAGE #																																			
REFERENCE CONCEPT DRAWINGS										DESIGNED BY: I. RINCON										SCALE: NTS										DRAWING No.: M08-EPS001																									
										DRAWN BY: S. NISHIMURA																																													
										CHECKED BY: D. GOTT																																													
										APPROVED BY: P. LOPEZ-HILFIKER																																													
										P. LOPEZ-HILFIKER																																													
No.	DATE	DSN	CHK	APP	REVISION																															SOUND TRANSIT PRELIMINARY ENGINEERING PLANS OPERATIONS & MAINTENANCE FACILITY SOUTH ELECTRICAL 12.47KV ONLINE DIAGRAM										FACILITY ID: M08									
																														SHEET No.: REV:																									
																														0																									



Refer to the plan set COVER drawing
for disclaimers regarding this drawing.

REFERENCE CONCEPT DRAWINGS						DESIGNED BY:		AHJ:		PACKAGE #		DRAWING No.:	
						I. RINCON						M08-EPS002	
						DRAWN BY:						FACILITY ID:	
						S. NISHIMURA						M08	
						CHECKED BY:						SHEET No.:	
						D. GOTT						REV:	
						APPROVED BY:						0	
						P. LOPEZ-HILFIKER							
No.	DATE	DSN	CHK	APP	REVISION								

02/14/24 | 10:16 AM | SNISHIMURA
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Refer to the plan set COVER drawing
for disclaimers regarding this drawing.

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY:
I. RINCON

DRAWN BY:
S. NISHIMURA

CHECKED BY:
D. GOTT

APPROVED BY:
P. LOPEZ-HILFIKER

AHJ:

PRELIMINARY

ISABEL C. RINCON
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER

HR

SUBMITTED BY:
PABLO LOPEZ-HILFIKER

DATE:
2/27/2024

REVIEWED BY:

DATE:

PACKAGE #

SCALE:
NTS

FILENAME:
OMFS-M08-EPS002

CONTRACT No.:
AE-0030-17

DATE:

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

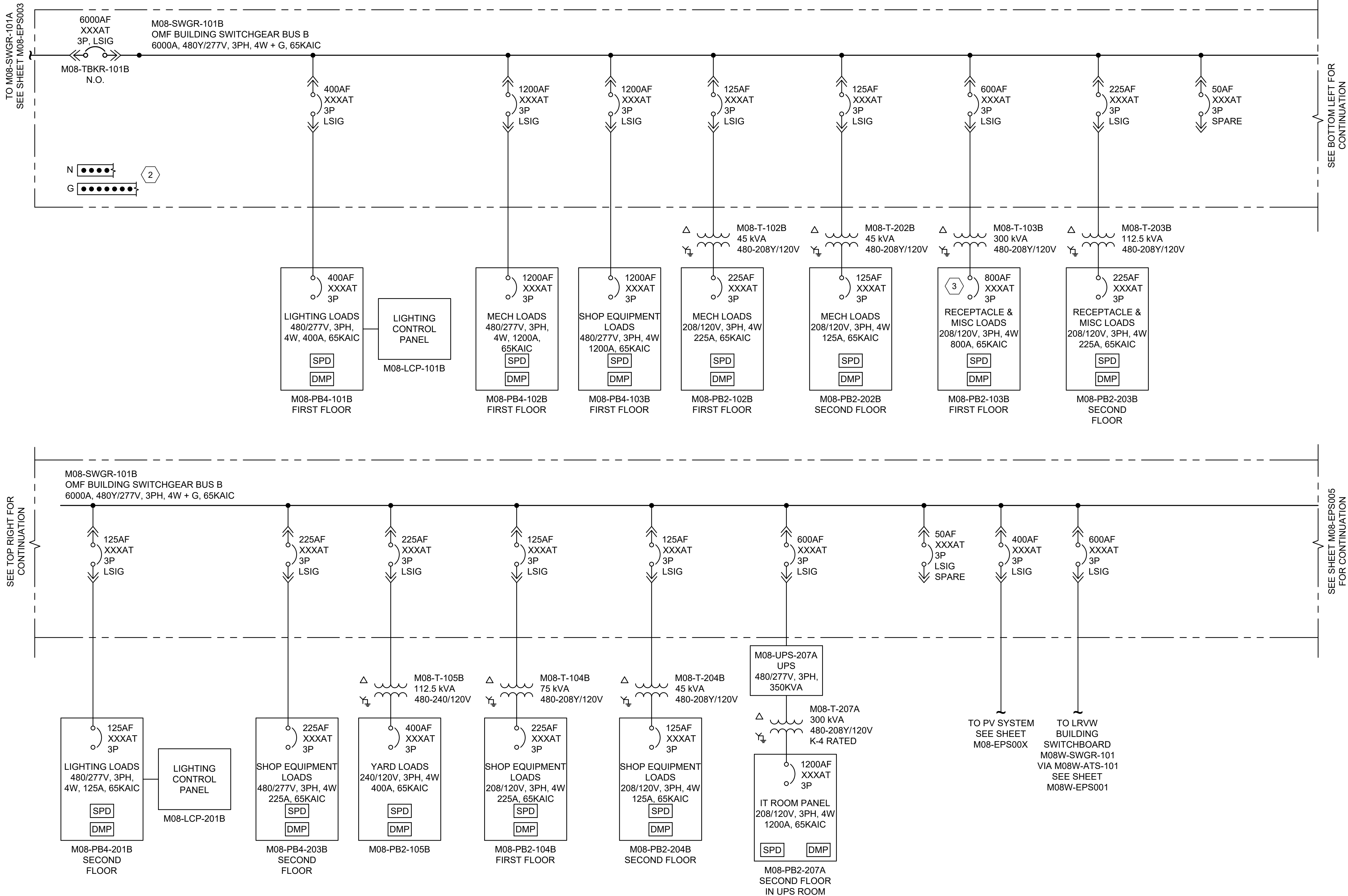
ELECTRICAL
OPERATIONS & MAINTENANCE FACILITY SOUTH BUILDING
SINGLE LINE DIAGRAM 1

DRAWING No.:
M08-EPS002

FACILITY ID:
M08

SHEET No.:
REV:
0

02/14/24 | 10:17 AM | SNISHIMURA
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- GENERAL NOTES:**
- PROTECTIVE RELAYING AND BREAKER TRIP SETTINGS SHALL BE BASED ON POWER SYSTEM STUDIES TO BE PROVIDED BY CONTRACTOR BASED ON RATINGS OF EQUIPMENT SUPPLIED.
 - CIRCUIT BREAKER, SAFETY SWITCH, WIRES AND CONDUIT SIZES ARE ESTIMATED. ADJUST SIZES IN ACCORDANCE WITH ACTUAL PROVIDED EQUIPMENT.
 - DEVELOP DETAIL DESIGN INCLUDING PANEL SCHEDULES, ELECTRICAL SYSTEM GROUNDING DIAGRAMS, SPECIFICATIONS, AND CONDUIT AND CONDUCTOR SCHEDULES.
 - MAIN 1-TIE-MAIN 2 AUTOMATIC THROWOVER SYSTEM SHALL PROVIDE A COORDINATED TIMED FAULT PROTECTION FOR ALL MAIN-TIE-TIE-BREAKERS.

- KEY NOTES:**
- ENERGY METERS TO BE PROVIDED WITH MANUFACTURER SPLIT CURRENT SENSORS, WIRE LEADS, METER PROGRAMMING, GRAPHIC DISPLAYS, EMBEDDED WEB SERVERS, AND ENERGY MANAGEMENT SOFTWARE FOR A COMPLETE AND FUNCTIONAL SYSTEM COMPLIANCE WITH WASHINGTON STATE ENERGY CODE REQUIREMENTS. SEE ENERGY METERS DATA NETWORK DIAGRAM.
 - FULL LENGTH NEUTRAL AND GROUND BUS BARS.
 - ELECTRIC VEHICLE CHARGING STATIONS TO BE POWERED AT 208V, SINGLE PHASE FEEDER(S) EACH RATED FOR 40A. DUAL CHARGING STATION REQUIRE TWO OF THESE WIRES. PROVIDE SINGLE PHASE THREE WIRE 208V DEMAND METER SPLIT CORE CURRENT SENSORS AND ALL NECESSARY WIRES FOR EV CHARGING STATION POWER FEEDER. MATCH VOLTAGE AND CURRENT PHASES AS PER MANUFACTURER INSTALLATION INSTRUCTION MANUAL.

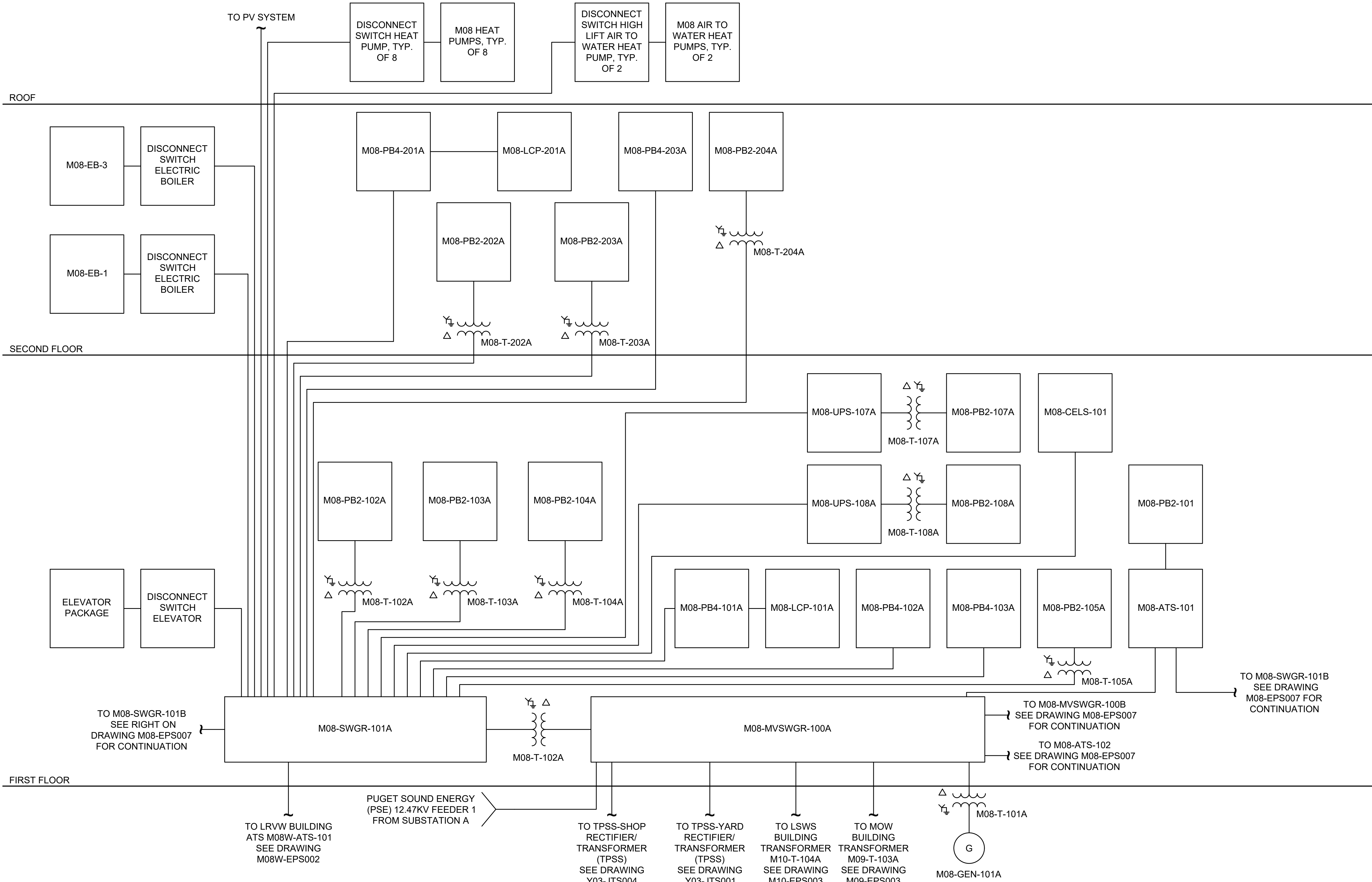
Refer to the plan set COVER drawing for disclaimers regarding this drawing.

NOT FOR CONSTRUCTION

for disclaimers regarding this drawing.

REFERENCE CONCEPT DRAWINGS						AHJ:		PACKAGE #				DRAWING No.: M08-EPS004											
						DESIGNED BY: I. RINCON								LINE IS 1" AT FULL SCALE				SCALE: NTS		SOUND TRANSIT PRELIMINARY ENGINEERING PLANS OPERATIONS & MAINTENANCE FACILITY SOUTH		FACILITY ID: M08	
						DRAWN BY: S. NISHIMURA																	
						CHECKED BY: D. GOTT																	
						APPROVED BY: P. LOPEZ-HILFIKER																	
No. DATE DSN CHK APP REVISION						SUBMITTED BY: PABLO LOPEZ-HILFIKER		DATE: 2/27/2024		REVIEWED BY:		DATE:		FILENAME: OMFS-M08-EPS004		CONTRACT No.: AE-0030-17		SHEET No.: 0		REV:			

- GENERAL NOTES:**
- REFER TO DRAWINGS M08-EPS001 TO M08-EPS005 AND M08-EPS008 TO M08-EPS009 OMF SOUTH BUILDING SINGLE LINE DIAGRAMS, FOR EQUIPMENT RATING INFORMATION.



Refer to the plan set COVER drawing
for disclaimers regarding this drawing.

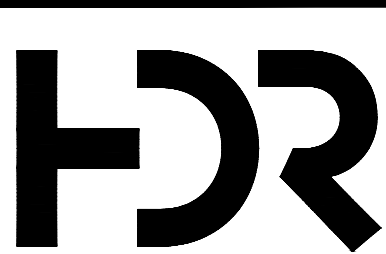
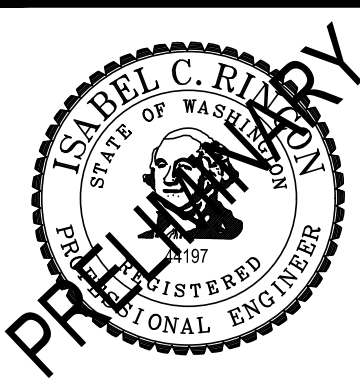
NOT FOR
CONSTRUCTION

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

DESIGNED BY:
I. RINCON
DRAWN BY:
S. NISHIMURA
CHECKED BY:
D. GOTT
APPROVED BY:
P. LOPEZ-HILFIKER



SUBMITTED BY:
PABLO LOPEZ-HILFIKER

DATE:
2/27/2024

REVIEWED BY:



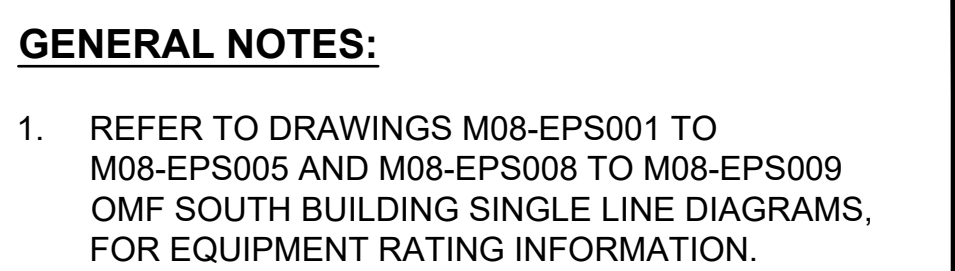
DATE:

SCALE:
NTS
FILENAME:
OMFS-M08-EPS006
CONTRACT No.:
AE-0030-17
DATE:

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

ELECTRICAL
OPERATIONS & MAINTENANCE FACILITY SOUTH BUILDING
POWER RISER DIAGRAM 1

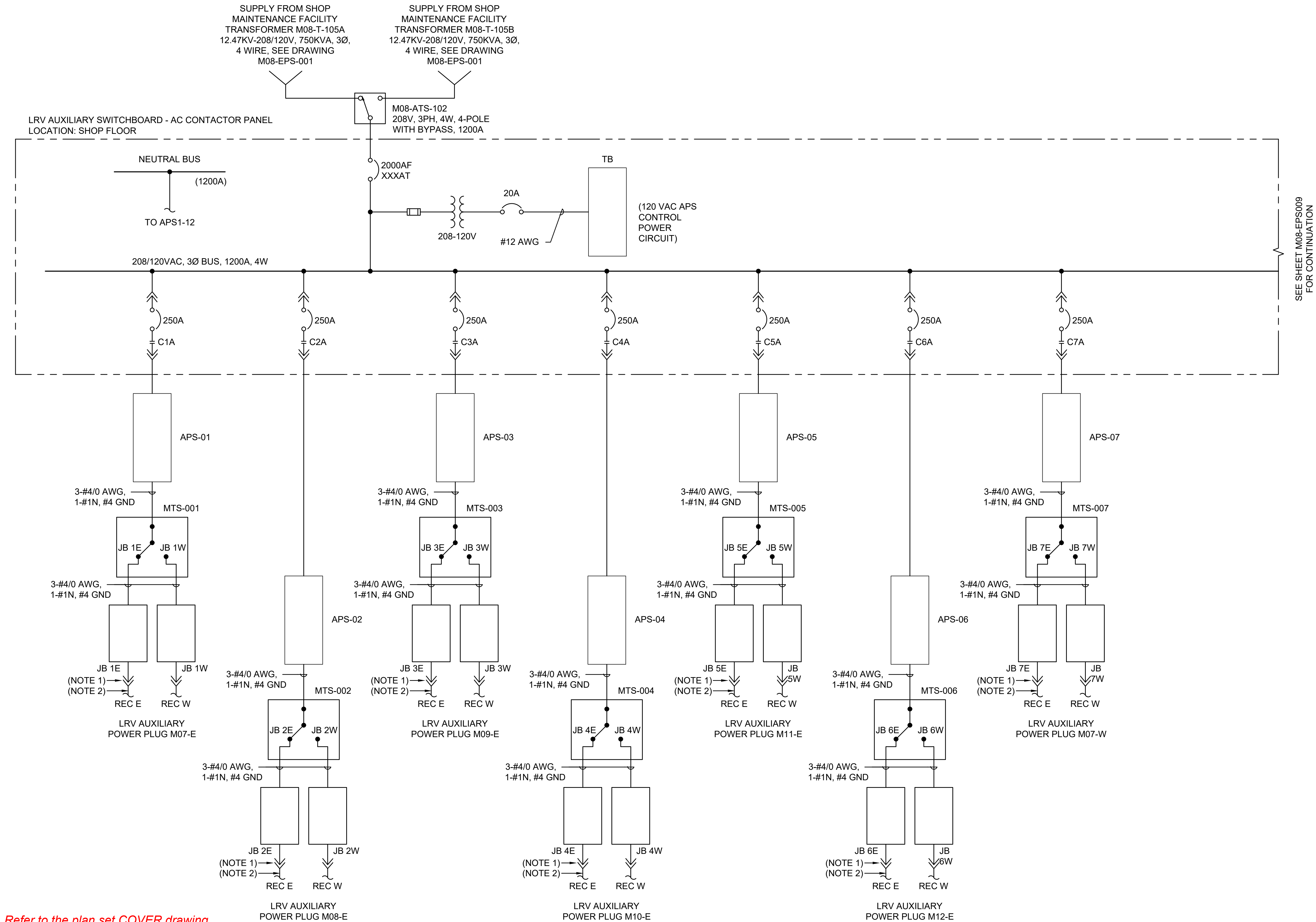
DRAWING No.:
M08-EPS006
FACILITY ID:
M08
SHEET No.: REV:
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*Refer to the plan set COVER drawing
for disclaimers regarding this drawing.*

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02/14/24 | 10:17 AM | SNISHIMURA
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- GENERAL NOTES:**
- SEE SPECIFICATIONS FOR AUXILIARY LIGHT RAIL VEHICLE (LRV) POWER PLUG.
 - SEE SPECIFICATION AND APS CONTROL DIAGRAM & DETAILS FOR INTERLOCK REQUIREMENT.

- KEY NOTES:**
- VEHICLE ATTACHMENT PLUG (STINGER).
 - FLEXIBLE CORD 4-1/0, 1 - #6 & 2 - #12.

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

NOT FOR CONSTRUCTION

AHJ:					PACKAGE #																																													
DESIGNED BY: I. RINCON DRAWN BY: S. NISHIMURA CHECKED BY: D. GOTT APPROVED BY: P. LOPEZ-HILFIKER ISABEL C. RINCON REGISTERED PROFESSIONAL ENGINEER STATE OF WASHINGTON 1987 LINE IS 1" AT FULL SCALE SOUNDTRANSIT SCALE: NTS FILENAME: OMFS-M08-EPS008 CONTRACT No.: AE-0030-17 DATE: <tr><td colspan="5">SUBMITTED BY: PABLO LOPEZ-HILFIKER</td><td colspan="5">DRAWING No.: M08-EPS008</td></tr> <tr><td colspan="5">DATE: 2/27/2024</td><td colspan="5">FACILITY ID: M08</td></tr> <tr><td colspan="5">REVIEWED BY:</td><td colspan="5">SHEET No.: REV: 0</td></tr> <tr><td colspan="5"></td><td colspan="5">DATE:</td></tr> <tr><td colspan="5"></td><td colspan="5">ELECTRICAL LRV AUX POWER SUPPLY SINGLE LINE DIAGRAM 1</td></tr>	SUBMITTED BY: PABLO LOPEZ-HILFIKER					DRAWING No.: M08-EPS008					DATE: 2/27/2024					FACILITY ID: M08					REVIEWED BY:					SHEET No.: REV: 0										DATE:										ELECTRICAL LRV AUX POWER SUPPLY SINGLE LINE DIAGRAM 1				
	SUBMITTED BY: PABLO LOPEZ-HILFIKER					DRAWING No.: M08-EPS008																																												
	DATE: 2/27/2024					FACILITY ID: M08																																												
	REVIEWED BY:					SHEET No.: REV: 0																																												
					DATE:																																													
					ELECTRICAL LRV AUX POWER SUPPLY SINGLE LINE DIAGRAM 1																																													

REFERENCE CONCEPT DRAWINGS					
No.	DATE	DSN	CHK	APP	REVISION

SOUND TRANSIT

PRELIMINARY ENGINEERING PLANS

OPERATIONS & MAINTENANCE FACILITY SOUTH

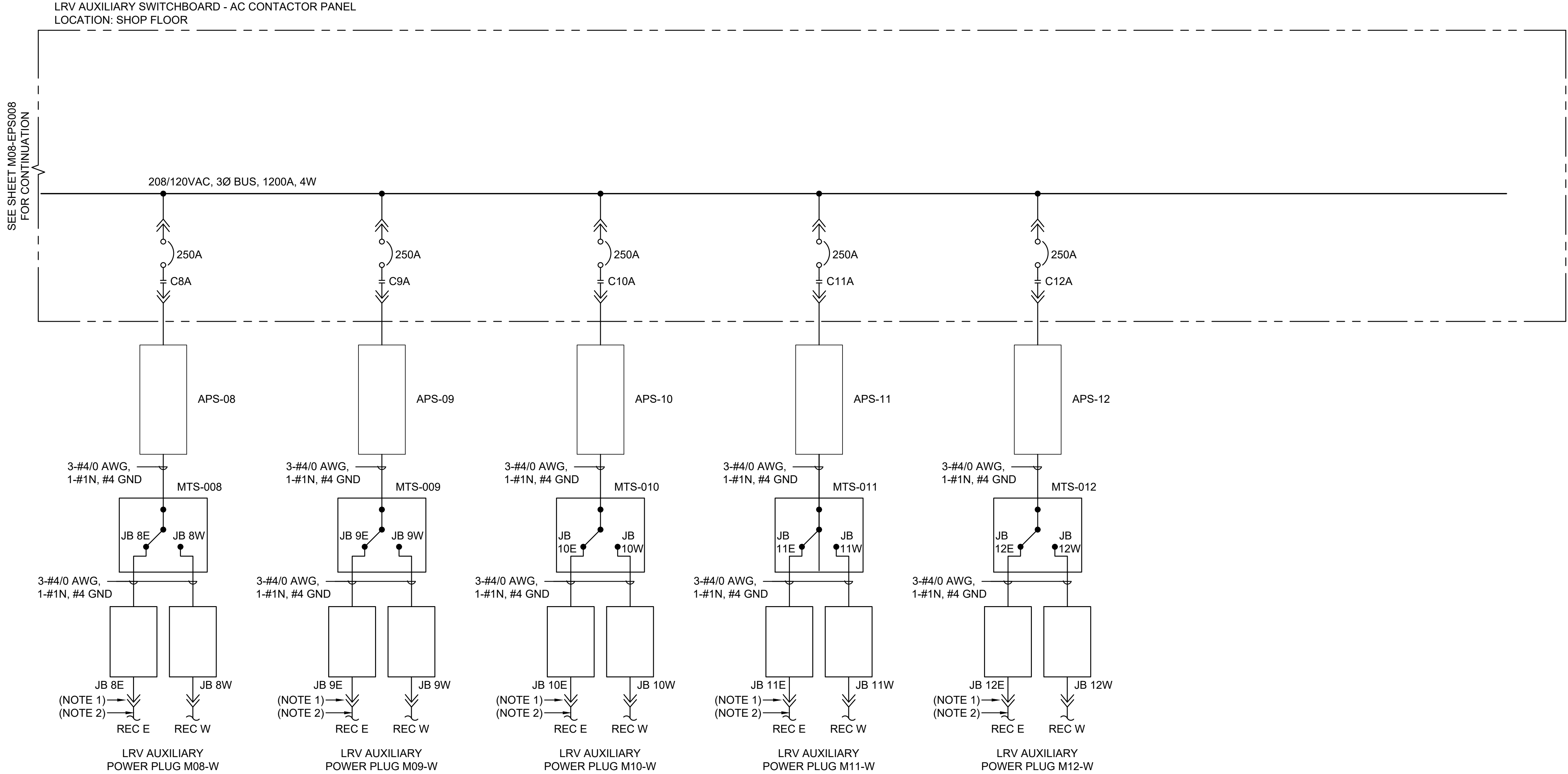
ELECTRICAL

LRV AUX POWER SUPPLY

SINGLE LINE DIAGRAM 1

- GENERAL NOTES:**
- SEE SPECIFICATIONS FOR AUXILIARY LIGHT RAIL VEHICLE (LRV) POWER PLUG.
 - SEE SPECIFICATION AND APS CONTROL DIAGRAM & DETAILS FOR INTERLOCK REQUIREMENT.

- KEY NOTES:**
- VEHICLE ATTACHMENT PLUG (STINGER).
 - FLEXIBLE CORD 4-1/0, 1 - #6 & 2 - #12.



Refer to the plan set COVER drawing for disclaimers regarding this drawing.

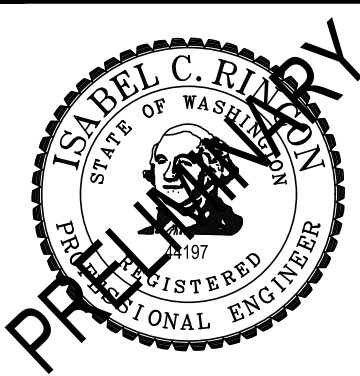
NOT FOR CONSTRUCTION

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

DESIGNED BY:
I. RINCON
DRAWN BY:
S. NISHIMURA
CHECKED BY:
D. GOTT
APPROVED BY:
P. LOPEZ-HILFIKER



SUBMITTED BY:
PABLO LOPEZ-HILFIKER

DATE:
2/27/2024

REVIEWED BY:

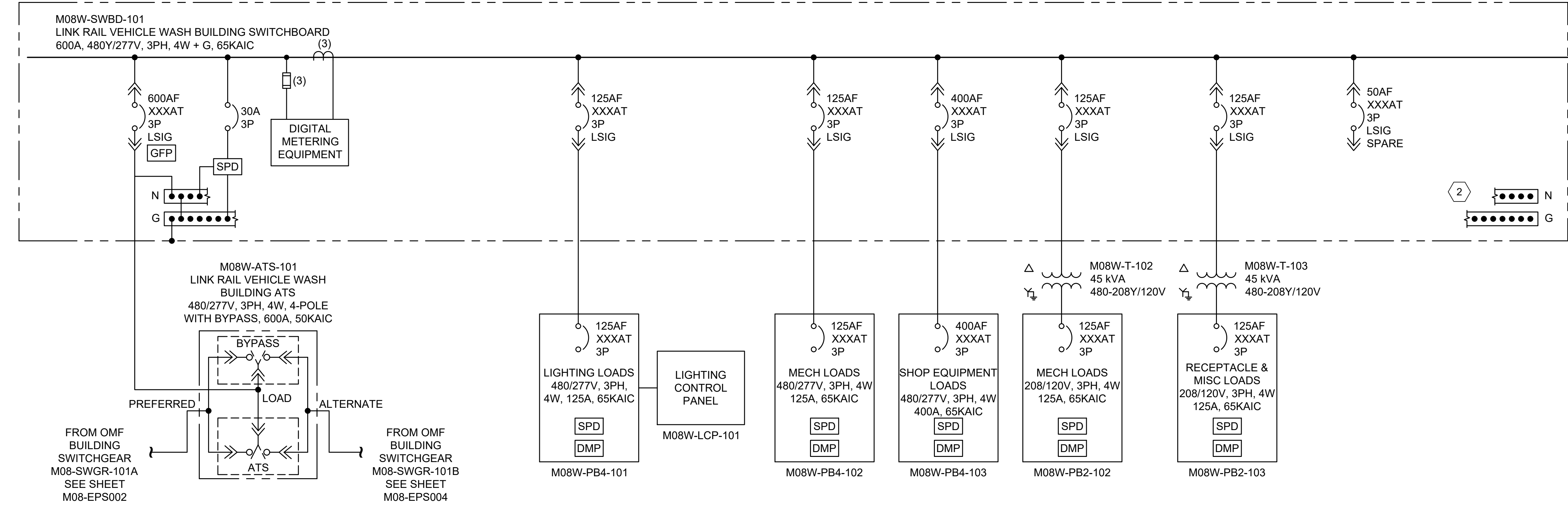


SCALE:
NTS
FILENAME:
OMFS-M08-EPS009
CONTRACT No.:
AE-0030-17
DATE:

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH
ELECTRICAL
LRV AUX POWER SUPPLY
SINGLE LINE DIAGRAM 1

DRAWING No.:
M08-EPS009
FACILITY ID:
M08
SHEET No.:
REV:
0

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GENERAL NOTES:

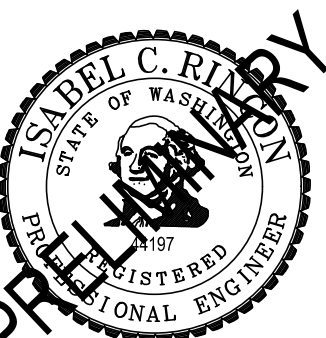
1. PROTECTIVE RELAYING AND BREAKER TRIP SETTINGS SHALL BE BASED ON POWER SYSTEM STUDIES TO BE PROVIDED BY CONTRACTOR BASED ON RATINGS OF EQUIPMENT SUPPLIED.
2. CIRCUIT BREAKER, SAFETY SWITCH, WIRES AND CONDUIT SIZES ARE ESTIMATED. ADJUST SIZES IN ACCORDANCE WITH ACTUAL PROVIDED EQUIPMENT.
3. DEVELOP DETAIL DESIGN INCLUDING PANEL SCHEDULES, ELECTRICAL SYSTEM GROUNDING DIAGRAMS, SPECIFICATIONS, AND CONDUIT AND CONDUCTOR SCHEDULES.

KEY NOTES:

1. ENERGY METERS TO BE PROVIDED WITH MANUFACTURER SPLIT CURRENT SENSORS, WIRE LEADS, METER PROGRAMMING, GRAPHIC DISPLAYS, EMBEDDED WEB SERVERS, AND ENERGY MANAGEMENT SOFTWARE FOR A COMPLETE AND FUNCTIONAL SYSTEM COMPLIANCE WITH WASHINGTON STATE ENERGY CODE REQUIREMENTS. SEE ENERGY METERS DATA NETWORK DIAGRAM.
2. FULL LENGTH NEUTRAL AND GROUND BUS BARS.

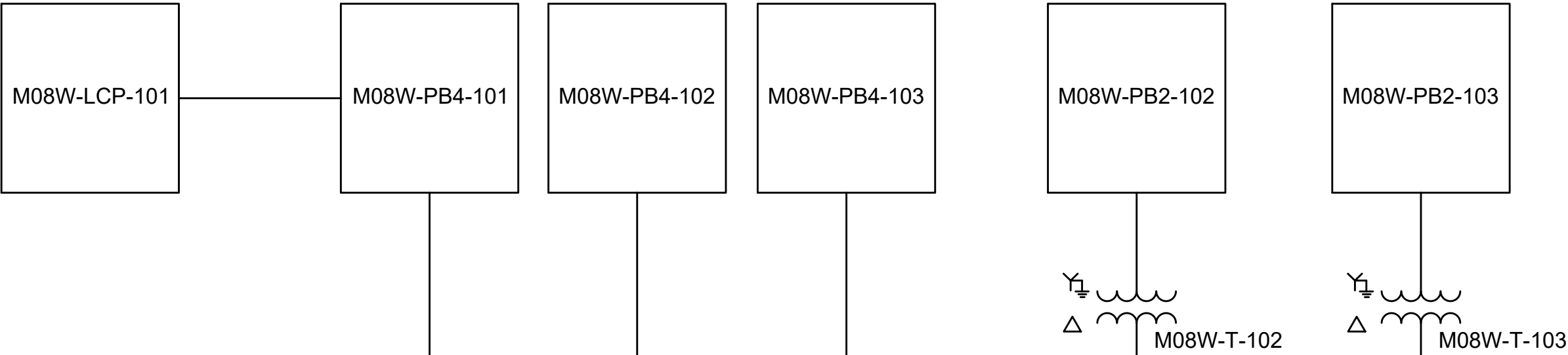
Refer to the plan set COVER drawing
for disclaimers regarding this drawing.

NOT FOR
CONSTRUCTION

AHJ:										PACKAGE #									
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								FILENAME: OMFS-M08W-EPS001								FACILITY ID: M08W			
								CONTRACT No.: AE-0030-17								SHEET No.: REV:			
								DATE:								0			
SUBMITTED BY: PABLO LOPEZ-HILFIKER		DATE: 2/27/2024		REVIEWED BY:		DATE:													

- GENERAL NOTES:
- REFER TO DRAWING M08W-EPS001, LINK RAIL VEHICLE WASH BUILDING, FOR EQUIPMENT RATING INFORMATION.

ROOF



FIRST FLOOR

FROM OMF BUILDING SWITCHBOARD
M08-SWGR-101A. SEE
DRAWING M08-EPS006

FROM OMF BUILDING SWITCHBOARD
M08-SWGR-101B. SEE
DRAWING M08-EPS007

NOT FOR
CONSTRUCTION

Refer to the plan set COVER drawing
for disclaimers regarding this drawing.

AHJ:

PACKAGE #

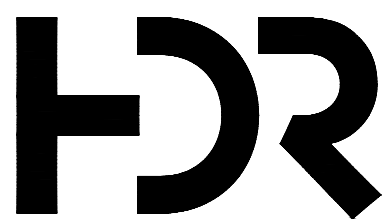
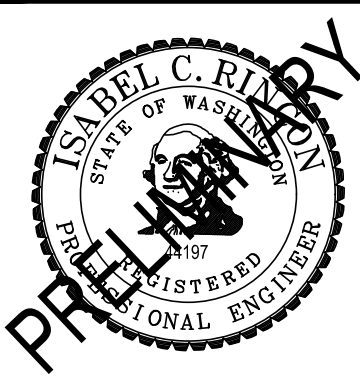
REFERENCE CONCEPT DRAWINGS

DESIGNED BY:
I. RINCON

DRAWN BY:
S. NISHIMURA

CHECKED BY:
D. GOTT

APPROVED BY:
P. LOPEZ-HILFIKER



SUBMITTED BY:
PABLO LOPEZ-HILFIKER

DATE:
2/27/2024

REVIEWED BY:

LINE IS 1" AT
FULL SCALE



DATE:

SCALE:
NTS

FILENAME:
OMFS-M08W-EPS002

CONTRACT No.:
AE-0030-17

DATE:

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

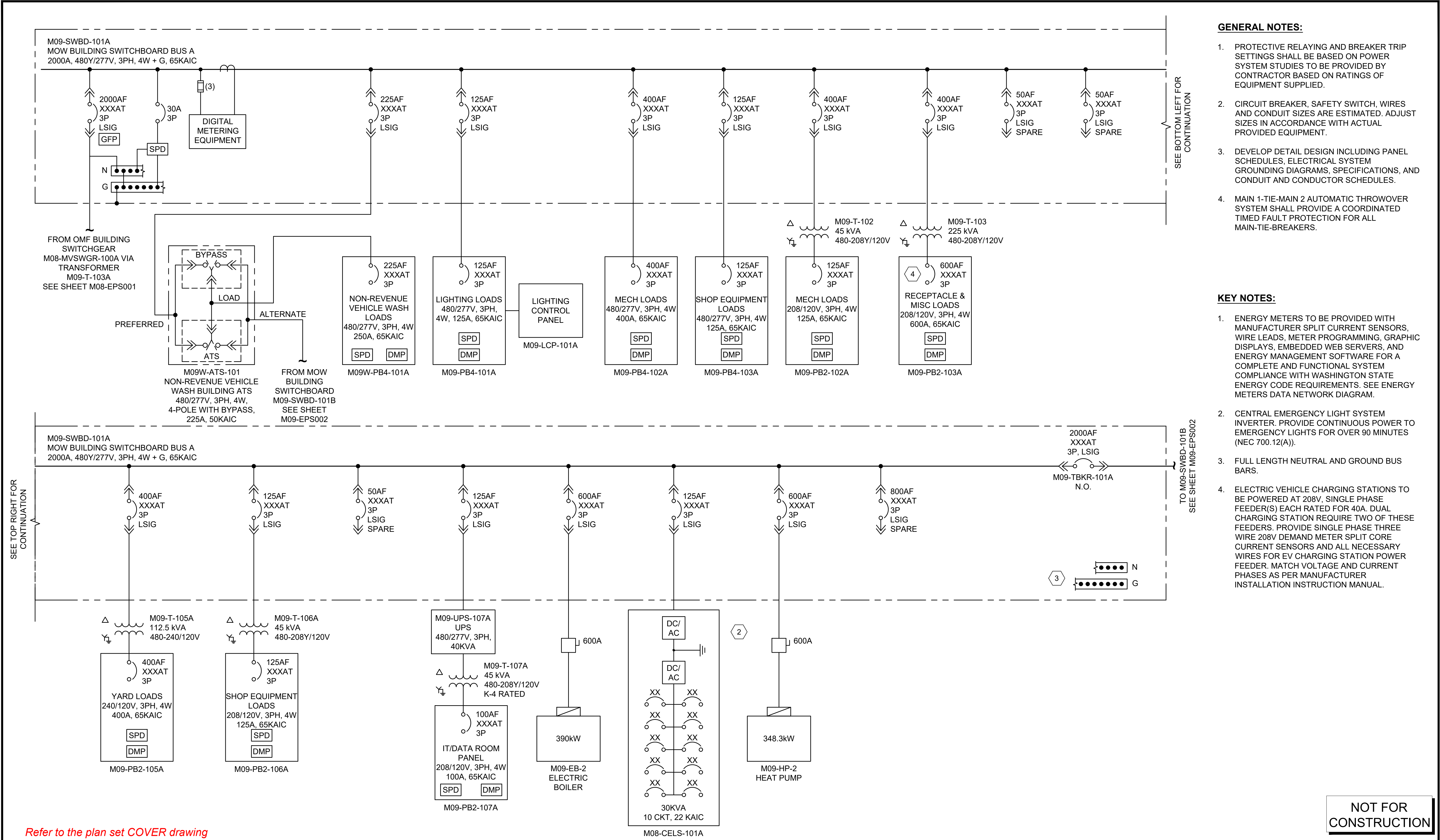
ELECTRICAL
LINK RAIL VEHICLE WASH BUILDING
POWER RISER DIAGRAM

DRAWING No.:
M08W-EPS002

FACILITY ID:
M08W

SHEET No.: REV:
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GENERAL NOTES:

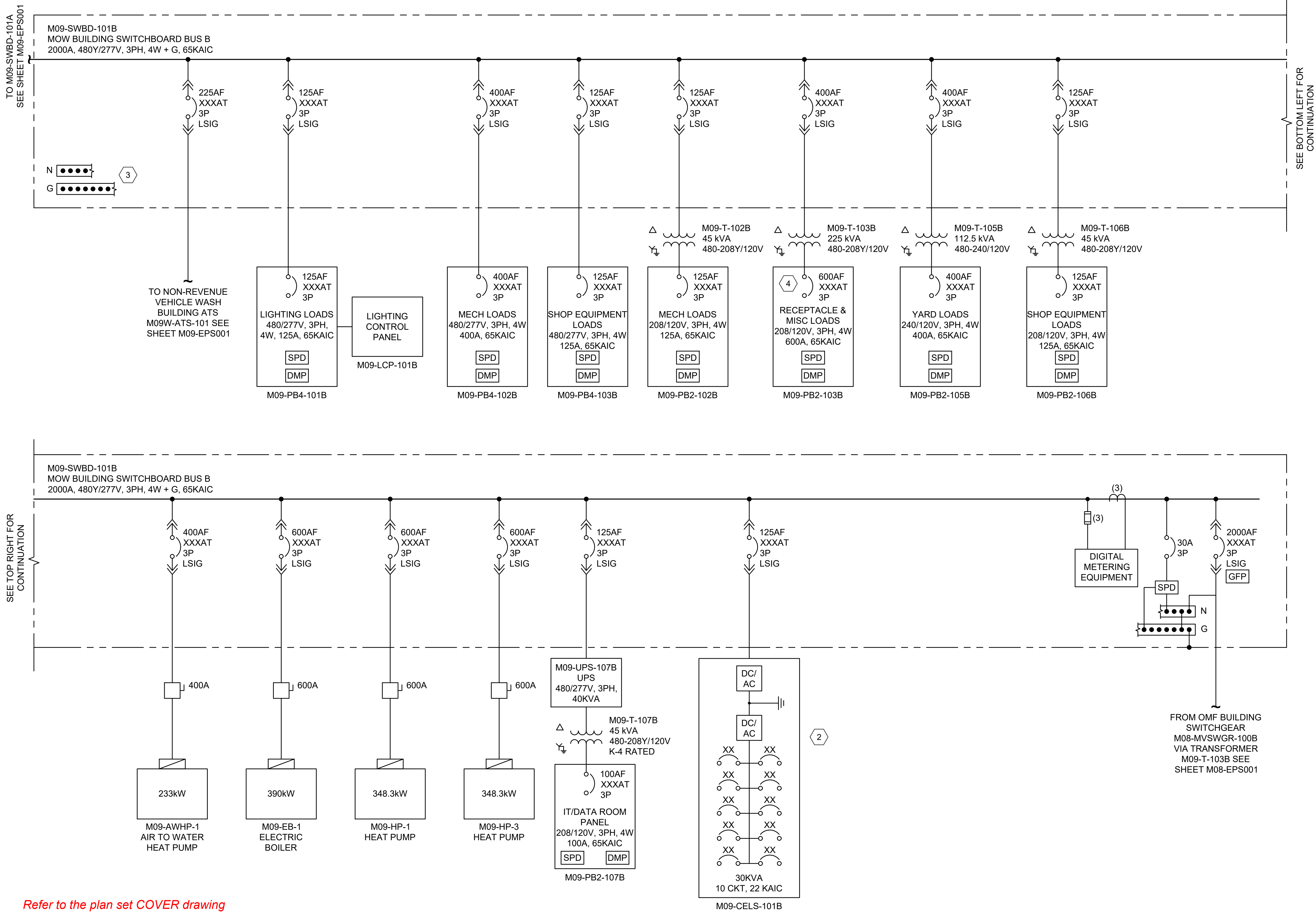
1. PROTECTIVE RELAYING AND BREAKER TRIP SETTINGS SHALL BE BASED ON POWER SYSTEM STUDIES TO BE PROVIDED BY CONTRACTOR BASED ON RATINGS OF EQUIPMENT SUPPLIED.
2. CIRCUIT BREAKER, SAFETY SWITCH, WIRES AND CONDUIT SIZES ARE ESTIMATED. ADJUST SIZES IN ACCORDANCE WITH ACTUAL PROVIDED EQUIPMENT.
3. DEVELOP DETAIL DESIGN INCLUDING PANEL SCHEDULES, ELECTRICAL SYSTEM GROUNDING DIAGRAMS, SPECIFICATIONS, AND CONDUIT AND CONDUCTOR SCHEDULES.
4. MAIN 1-TIE-MAIN 2 AUTOMATIC THROWOVER SYSTEM SHALL PROVIDE A COORDINATED TIMED FAULT PROTECTION FOR ALL MAIN-TIE-BREAKERS.

KEY NOTES:

1. ENERGY METERS TO BE PROVIDED WITH MANUFACTURER SPLIT CURRENT SENSORS, WIRE LEADS, METER PROGRAMMING, GRAPHIC DISPLAYS, EMBEDDED WEB SERVERS, AND ENERGY MANAGEMENT SOFTWARE FOR A COMPLETE AND FUNCTIONAL SYSTEM COMPLIANCE WITH WASHINGTON STATE ENERGY CODE REQUIREMENTS. SEE ENERGY METERS DATA NETWORK DIAGRAM.
2. CENTRAL EMERGENCY LIGHT SYSTEM INVERTER. PROVIDE CONTINUOUS POWER TO EMERGENCY LIGHTS FOR OVER 90 MINUTES (NEC 700.12(A)).
3. FULL LENGTH NEUTRAL AND GROUND BUS BARS.
4. ELECTRIC VEHICLE CHARGING STATIONS TO BE POWERED AT 208V, SINGLE PHASE FEEDER(S) EACH RATED FOR 40A. DUAL CHARGING STATION REQUIRE TWO OF THESE FEEDERS. PROVIDE SINGLE PHASE THREE WIRE 208V DEMAND METER SPLIT CORE CURRENT SENSORS AND ALL NECESSARY WIRES FOR EV CHARGING STATION POWER FEEDER. MATCH VOLTAGE AND CURRENT PHASES AS PER MANUFACTURER INSTALLATION INSTRUCTION MANUAL.

NOT FOR
CONSTRUCTION

AHJ:										PACKAGE #									
						LINE IS 1" AT FULL SCALE		SCALE: NTS		SOUND TRANSIT PRELIMINARY ENGINEERING PLANS OPERATIONS & MAINTENANCE FACILITY SOUTH ELECTRICAL MOW BUILDING SINGLE LINE DIAGRAM 1					DRAWING No.: M09-EPS001				
								FILENAME: OMFS-M09-EPS001							FACILITY ID: M09				
								CONTRACT No.: AE-0030-17							SHEET No.: REV:				
								DATE:							0				
	SUBMITTED BY: PABLO LOPEZ-HILFIKER		DATE: 2/27/2024		REVIEWED BY:		DATE:												



- GENERAL NOTES:**
- PROTECTIVE RELAYING AND BREAKER TRIP SETTINGS SHALL BE BASED ON POWER SYSTEM STUDIES TO BE PROVIDED BY CONTRACTOR BASED ON RATINGS OF EQUIPMENT SUPPLIED.
 - CIRCUIT BREAKER, SAFETY SWITCH, WIRES AND CONDUIT SIZES ARE ESTIMATED. ADJUST SIZES IN ACCORDANCE WITH ACTUAL PROVIDED EQUIPMENT.
 - DEVELOP DETAIL DESIGN INCLUDING PANEL SCHEDULES, ELECTRICAL SYSTEM GROUNDING DIAGRAMS, SPECIFICATIONS, AND CONDUIT AND CONDUCTOR SCHEDULES.

- KEY NOTES:**
- ENERGY METERS TO BE PROVIDED WITH MANUFACTURER SPLIT CURRENT SENSORS, WIRE LEADS, METER PROGRAMMING, GRAPHIC DISPLAYS, EMBEDDED WEB SERVERS, AND ENERGY MANAGEMENT SOFTWARE FOR A COMPLETE AND FUNCTIONAL SYSTEM COMPLIANCE WITH WASHINGTON STATE ENERGY CODE REQUIREMENTS. SEE ENERGY METERS DATA NETWORK DIAGRAM.
 - CENTRAL EMERGENCY LIGHT SYSTEM INVERTER. PROVIDE CONTINUOUS POWER TO EMERGENCY LIGHTS FOR OVER 90 MINUTES (NEC 700.12(A)).
 - FULL LENGTH NEUTRAL AND GROUND BUS BARS.
 - ELECTRIC VEHICLE CHARGING STATIONS TO BE POWERED AT 208V. SINGLE PHASE FEEDER(S) EACH RATED FOR 40A. DUAL CHARGING STATION REQUIRE TWO OF THESE FEEDERS. PROVIDE SINGLE PHASE THREE WIRE 208V DEMAND METER SPLIT CORE CURRENT SENSORS AND ALL NECESSARY WIRES FOR EV CHARGING STATION POWER FEEDER. MATCH VOLTAGE AND CURRENT PHASES AS PER MANUFACTURER INSTALLATION INSTRUCTION MANUAL.

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

NOT FOR CONSTRUCTION

REFERENCE CONCEPT DRAWINGS						DESIGNED BY:		AHJ:		PACKAGE #		DRAWING No.:	
						I. RINCON						M09-EPS002	
						DRAWN BY:						FACILITY ID:	
						S. NISHIMURA						M09	
						CHECKED BY:						SHEET No.:	
						D. GOTT						REV:	
						APPROVED BY:						0	
						P. LOPEZ-HILFIKER							
No.	DATE	DSN	CHK	APP	REVISION								

ISABEL C. RINCON

REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY

HR

SUBMITTED BY:

PABLO LOPEZ-HILFIKER

DATE:

2/27/2024

REVIEWED BY:

DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE:

NTS

FILENAME:

OMFS-M09-EPS002

CONTRACT No.:

AE-0030-17

DATE:

SOUND TRANSIT

PRELIMINARY ENGINEERING PLANS

OPERATIONS & MAINTENANCE FACILITY SOUTH

ELECTRICAL

MOW BUILDING

SINGLE LINE DIAGRAM 2

DRAWING No.:

M09-EPS002

FACILITY ID:

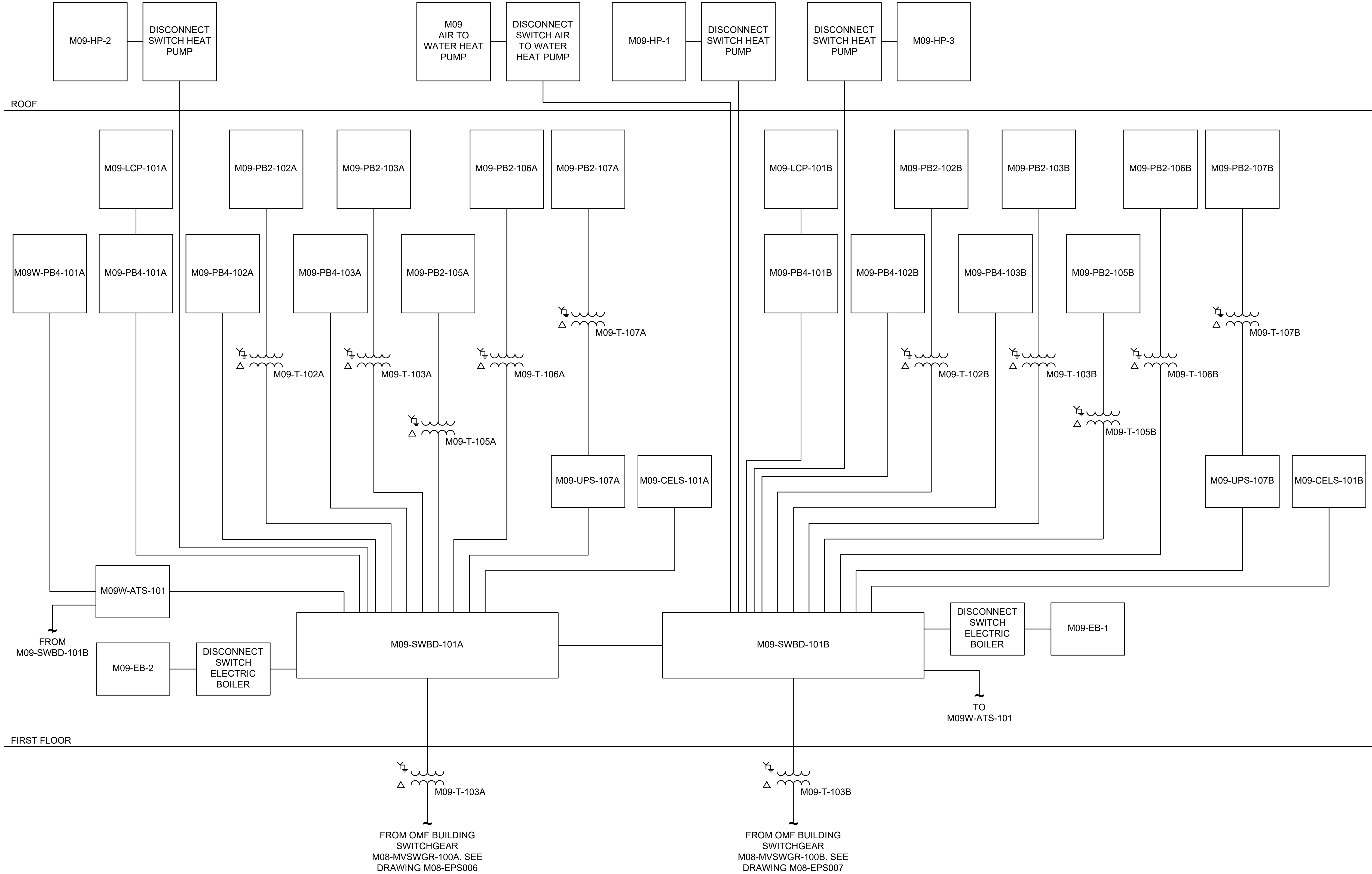
M09

SHEET No.:

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GENERAL NOTES:

1. REFER TO DRAWING M09-EPS001 TO M09-EPS002, MAINTENANCE OF WAY BUILDING, FOR EQUIPMENT RATING INFORMATION.

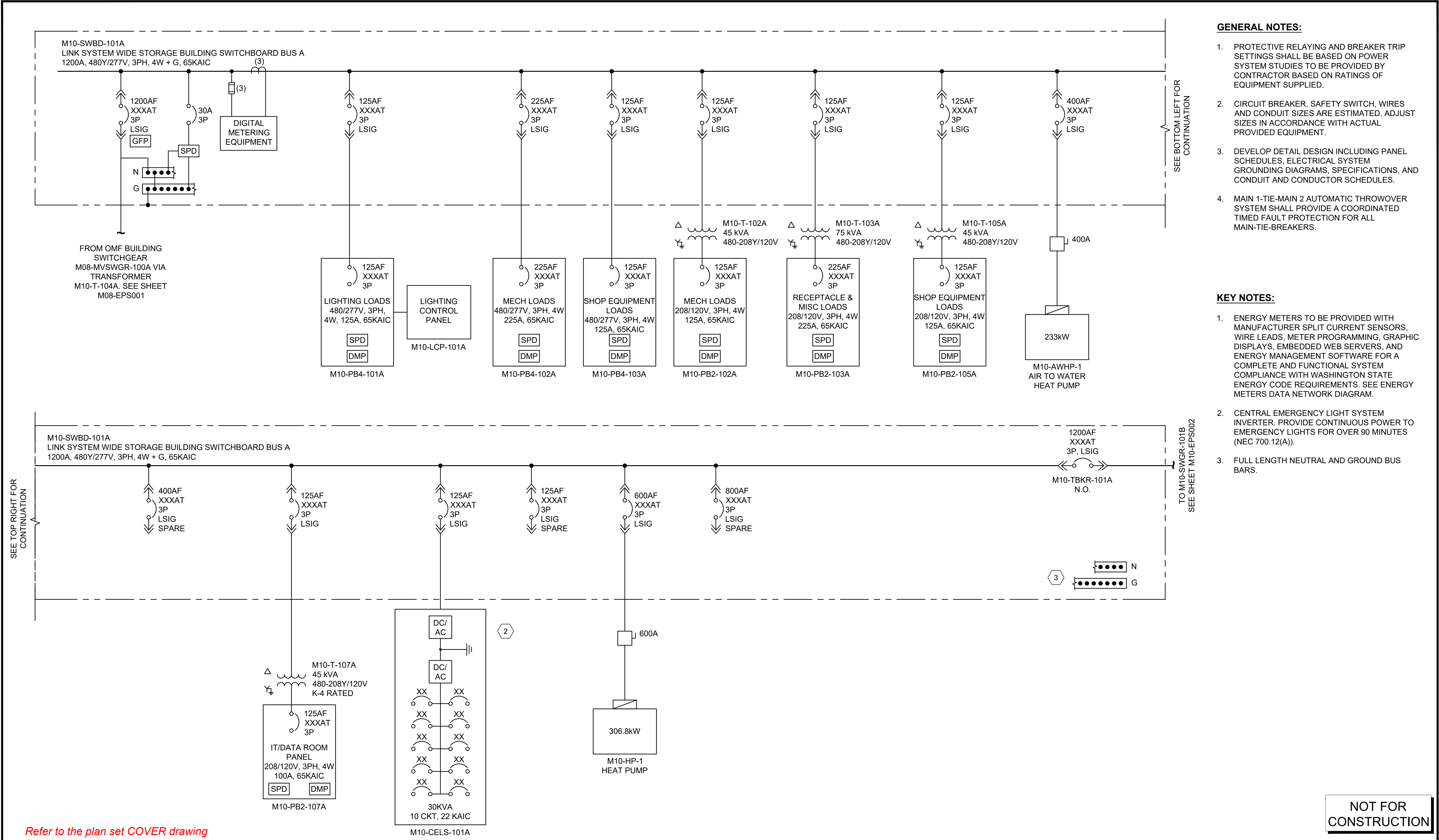


Refer to the plan set COVER drawing for disclaimers regarding this drawing.

NOT FOR CONSTRUCTION

AHJ:					PACKAGE #				
 PRELIMINARY				LINE IS 1" AT FULL SCALE 	SCALE: NTS	SOUND TRANSIT PRELIMINARY ENGINEERING PLANS OPERATIONS & MAINTENANCE FACILITY SOUTH ELECTRICAL MOW BUILDING POWER RISER DIAGRAM			DRAWING No.: M09-EPS003
					FILENAME: OMFS-M09-EPS003				FACILITY ID: M09
					CONTRACT No.: AE-0030-17				SHEET No.: REV:
					DATE:				0
	SUBMITTED BY: PABLO LOPEZ-HILFIKER		DATE: 2/27/2024	REVIEWED BY:	DATE:				

02/14/24 | 10:41 AM | SNISHIMURA
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GENERAL NOTES:

1. PROTECTIVE RELAYING AND BREAKER TRIP SETTINGS SHALL BE BASED ON POWER SYSTEM STUDIES TO BE PROVIDED BY CONTRACTOR BASED ON RATINGS OF EQUIPMENT SUPPLIED.
2. CIRCUIT BREAKER, SAFETY SWITCH, WIRES AND CONDUIT SIZES ARE ESTIMATED. ADJUST SIZES IN ACCORDANCE WITH ACTUAL PROVIDED EQUIPMENT.
3. DEVELOP DETAIL DESIGN INCLUDING PANEL SCHEDULES, ELECTRICAL SYSTEM GROUNDING DIAGRAMS, SPECIFICATIONS, AND CONDUIT AND CONDUCTOR SCHEDULES.
4. MAIN 1-TIE-MAIN 2 AUTOMATIC THROWOVER SYSTEM SHALL PROVIDE A COORDINATED TIMED FAULT PROTECTION FOR ALL MAIN-TIE-BREAKERS.

KEY NOTES:

1. ENERGY METERS TO BE PROVIDED WITH MANUFACTURER SPLIT CURRENT SENSORS, WIRE LEADS, METER PROGRAMMING, GRAPHIC DISPLAYS, EMBEDDED WEB SERVERS, AND ENERGY MANAGEMENT SOFTWARE FOR A COMPLETE AND FUNCTIONAL SYSTEM COMPLIANCE WITH WASHINGTON STATE ENERGY CODE REQUIREMENTS. SEE ENERGY METERS DATA NETWORK DIAGRAM.
2. CENTRAL EMERGENCY LIGHT SYSTEM INVERTER. PROVIDE CONTINUOUS POWER TO EMERGENCY LIGHTS FOR OVER 90 MINUTES (NEC 700.12(A)).
3. FULL LENGTH NEUTRAL AND GROUND BUS BARS.

Refer to the plan set COVER drawing
for disclaimers regarding this drawing.

NOT FOR
CONSTRUCTION

for disclaimers regarding this drawing.

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY:
I. RINCON

DRAWN BY:
S. NISHIMURA

CHECKED BY:
D. GOTT

APPROVED BY:
P. LOPEZ-HILFIKER

AHJ:

STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
1917

PRELIMINARY

ISABEL C. RINCON

REGISTERED PROFESSIONAL ENGINEER
1917

LINE IS 1" AT FULL SCALE

S

SOUNDTRANSIT

SUBMITTED BY:
PABLO LOPEZ-HILFIKER

DATE:
2/27/2024

REVIEWED BY:

DATE:

PACKAGE #

SCALE:
NTS

FILENAME:
OMFS-M10-EPS001

CONTRACT No.:
AE-0030-17

DATE:

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

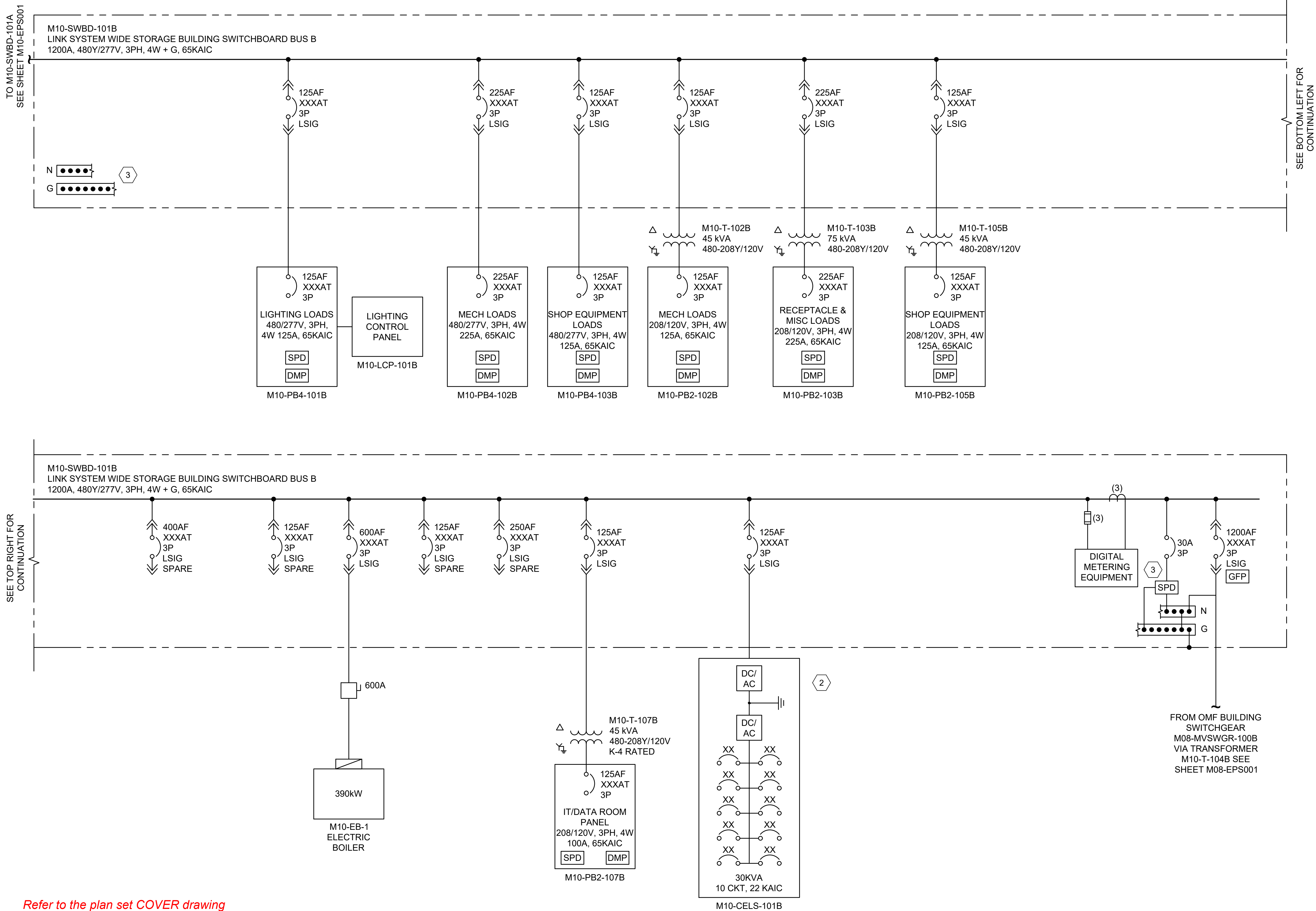
ELECTRICAL
LINK SYSTEM WIDE STORAGE BUILDING
SINGLE LINE DIAGRAM 1

DRAWING No.:
M10-EPS001

FACILITY ID:
M10

SHEET No.:
0

REV:
0



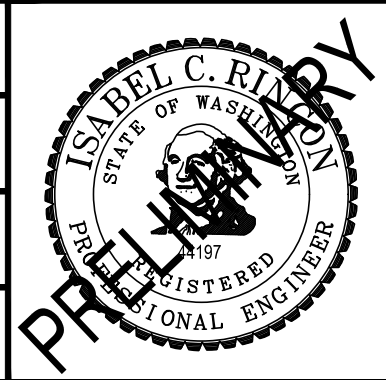
- GENERAL NOTES:**
- BREAKER TRIP SETTINGS SHALL BE BASED ON POWER SYSTEM STUDIES TO BE PROVIDED BY CONTRACTOR BASED ON RATINGS OF EQUIPMENT SUPPLIED.
 - CIRCUIT BREAKER, SAFETY SWITCH, WIRES AND CONDUIT SIZES ARE ESTIMATED. ADJUST SIZES IN ACCORDANCE WITH ACTUAL PROVIDED EQUIPMENT.
 - DEVELOP DETAIL DESIGN INCLUDING PANEL SCHEDULES, ELECTRICAL SYSTEM GROUNDING DIAGRAMS, SPECIFICATIONS, AND CONDUIT AND CONDUCTOR SCHEDULES.

- KEY NOTES:**
- ENERGY METERS TO BE PROVIDED WITH MANUFACTURER SPLIT CURRENT SENSORS, WIRE LEADS, METER PROGRAMMING, GRAPHIC DISPLAYS, EMBEDDED WEB SERVERS, AND ENERGY MANAGEMENT SOFTWARE FOR A COMPLETE AND FUNCTIONAL SYSTEM COMPLIANCE WITH WASHINGTON STATE ENERGY CODE REQUIREMENTS. SEE ENERGY METERS DATA NETWORK DIAGRAM.
 - CENTRAL EMERGENCY LIGHT SYSTEM INVERTER. PROVIDE CONTINUOUS POWER TO EMERGENCY LIGHTS FOR OVER 90 MINUTES (NEC 700.12(A)).
 - FULL LENGTH NEUTRAL AND GROUND BUS BARS.

NOT FOR
CONSTRUCTION

REFERENCE CONCEPT DRAWINGS					
No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY:	I. RINCON
DRAWN BY:	S. NISHIMURA
CHECKED BY:	D. GOTT
APPROVED BY:	P. LOPEZ-HILFIKER



SUBMITTED BY:
PABLO LOPEZ-HILFIKER

DATE:
2/27/2024

REVIEWED BY:

LINE IS 1" AT FULL SCALE

PACKAGE #			DRAWING No.:	
SCALE: NTS			M10-EPS002	
FILENAME: OMFS-M10-EPS002			FACILITY ID: M10	
CONTRACT No.: AE-0030-17			SHEET No.: REV: 0	
DATE:				

SOUND TRANSIT

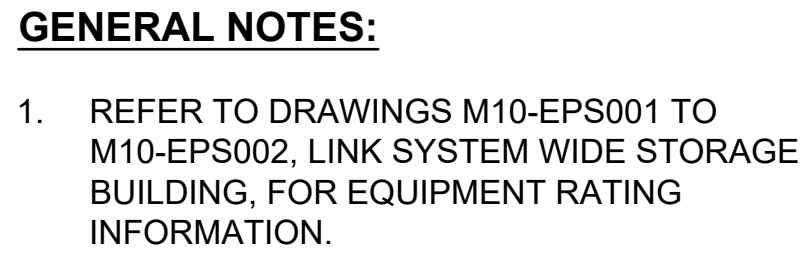
PRELIMINARY ENGINEERING PLANS

OPERATIONS & MAINTENANCE FACILITY SOUTH

ELECTRICAL

LINK SYSTEM WIDE STORAGE BUILDING

SINGLE LINE DIAGRAM 2



*Refer to the plan set COVER drawing
for disclaimers regarding this drawing.*

02/14/24 | 10:41 AM | SNISHIMURA
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