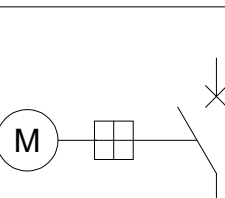
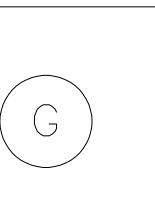
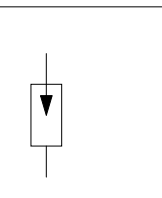
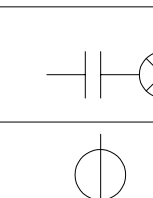
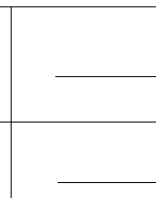
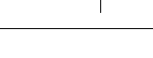
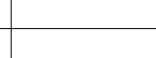
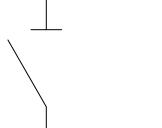
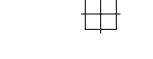
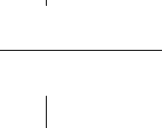
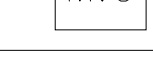
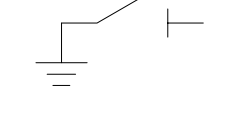
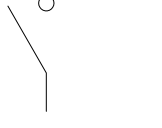
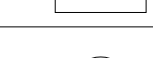
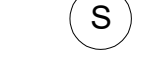
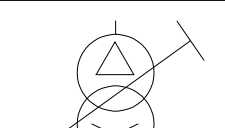
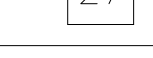


Overall SLD

LEGEND

	CIRCUIT BREAKER, OPERATED BY MOTOR		GENERATOR, GENERAL SYMBOL		LIGHTNING ARRESTER (SURGE ARRESTER)		SIGNAL LAMP WITH CAPACITOR DIVIDER		BATTERY LIMIT
							CURRENT TRANSFORMER		ELECTRICAL INTERLOCK BETWEEN TWO DEVICES
	VACUUM CIRCUIT BREAKER/ MOLDED CASE CIRCUIT BREAKER/ AIR CIRCUIT BREAKER		INDUCTION MOTOR, THREE PHASE SQUIRREL CAGE		DISCONNECTOR (ISOLATOR)		TRIP-FREE MECHANISM		MECHANICAL INTERLOCK BETWEEN TWO DEVICES
							MEASURING CENTER (MULTI-METER)		TERMINATION KIT/CABLE LUG
	EARTHING SWITCH		SYNCHRONOUS MOTOR THREE PHASE		SWITCH DISCONNECTOR (ON-LOAD ISOLATING SWITCH)		PROTECTION RELAY		CABLE
							SELECTOR SWITCH		
	TRANSFORMER WITH TWO WINDINGS (WITH OFF LOAD TAP CHANGER)		BUS DUCT		CAPACITOR		UNDER VOLTAGE RELAY		
							VOLTMETER		
	MEDIUM VOLTAGE VARIABLE SPEED DRIVE WITH INTEGRATED DRY TYPE TRANSFORMER		EARTH (GROUND)		CONNECTED WITH PLUG AND SOCKET (DRAW OUT)		AMPERE METER		
							FUSE		
	N.G.R (NEUTRAL GROUNDING RESISTOR)		SOFT STARTER				WITHDRAWABLE VACUUM CONTACTOR WITH HRC FUSE (with Striker pin)		
									

REFERENCE

REFERENCE. TITLE	REFERENCE. No.
Stockpile Electrical Load List	12002-D-EL-LIT-303-STP-232-Rev.05
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Electrical Load List for Lime and Reagent Area	12002-D-EL-LIT-303-RGT-557-Rev.02
Electrical Design Criteria	12002-D-EL-DCA-303-GNL-001

NOTES

LEGEND

KEYPLAN

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED

Consultant:	EPC Contractor:
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Project:

Title: _____

Document Number:

28C3-D-4IN-SLD-090-0000-00-EL-0049

Document Number:	CLASS	SIZE	SCALE	SHEET NO.	REV.
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12002-D-EL-SLD-303-GNL-049					CLIENT	VENDOR
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303-E03-0000-00-EL-SLD-049-04						
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HOLD

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Client:

Consultant:	EPC Contractor:					
Project:						
Title: OVERALL SLD						
Document Number: 28C3-D-4IN-SLD-090-0000-00-EL-0049						
Document Number: 12002-D-EL-SLD-303-GNL-049	CLASS	SIZE	SCALE	SHEET NO.	REV.	
Library code: 303-E03-0000-00-EL-SLD-049-04	FA	A0	--	3 OF 11	CLIENT	VENDOR
					04	00

GRINDING PHASE III

SWITCHGEAR RATED VOLTAGE: 40.5KV

GRINDING PHASE III - 33 KV SWITCHGEAR
SWITCHGEAR No.: 3-32-0200-001
S.L.D Doc No.: 12002-D-EL-SLD-303-GRD-302

33KV±5%, 50HZ, 2000A, 31.5kA (3sec), 3Ph+E, BUS A

33KV±5%, 50HZ, 2000A, 31.5kA (3sec), 3Ph+E, BUS B

FEED FORM GIS 230/33 KV SUBSTATION

FEED FORM GIS 230/33 KV SUBSTATION

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REFERENCE

REFERENCE. TITLE		REFERENCE. No.	
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6- IN ORDER TO IMPROVE THE RELIABILITY OF POWER SUPPLY TO THE 6.6 KV ELECTRICAL LOADS OF THE GRINDING AREA IN EACH PHASE (3 & 4), FOUR 33/6.9 KV POWER TRANSFORMERS HAVE BEEN CONSIDERED, ONE OF WHICH WILL OPERATE AS A STANDBY UNIT.

7-THE MV VFDS FOR THE MILL MOTORS ARE 36-PULSE CONFIGURATION. MOREOVER, THE MV VFDS FOR CYCLONE FEED PUMPS ARE MINIMUM 12-PULSE CONFIGURATION. MOREOVER, ALL VFD TRANSFORMERS (MULTI-PULSE PHASE SHIFT TRANSFORMERS) ARE DRY-TYPE AND INTEGRATED WITHIN THE VFD PANELS.

LEGEND

KEYPLAN

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED
Client:						
Consultant:			EPC Contractor:			
Project:						
Title:						
OVERALL SLD						
Document Number: 28C3-D-4IN-SLD-090-0000-00-EL-0049						
Document Number: 12002-D-EL-SLD-303-GNL-049		CLASS	SIZE	SCALE	SHEET NO.	REV.
Library code: 303-E03-0000-00-EL-SLD-049-04		FA	A0	--	4 OF 11	CLIENT VENDOR 04 00

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Project:

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OVERALL SLD

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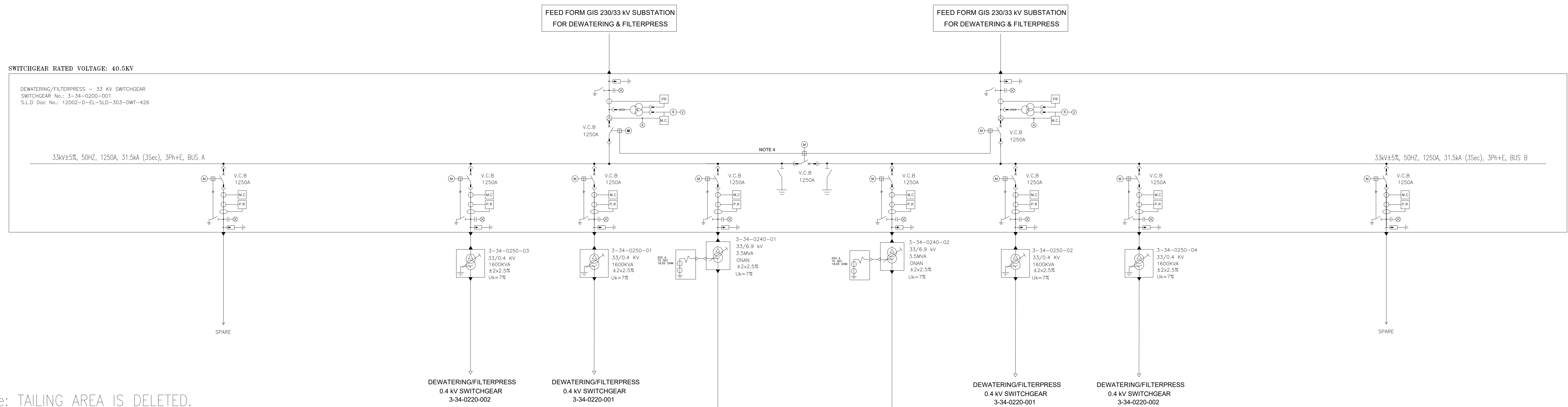
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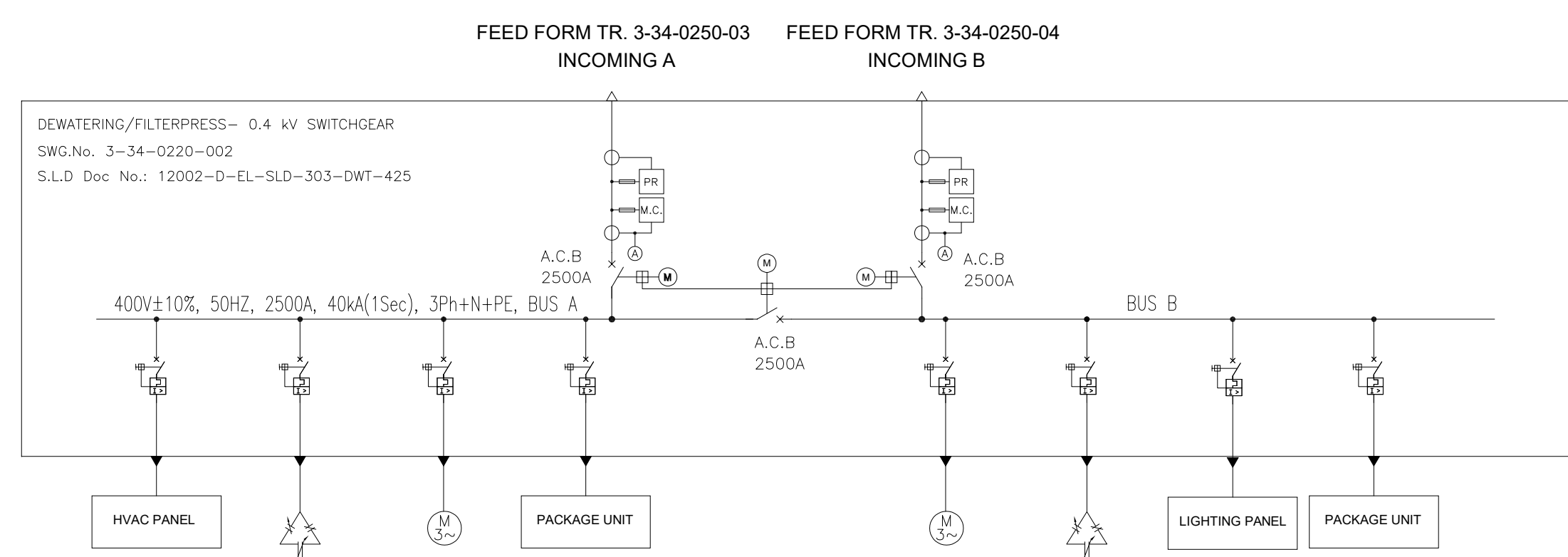
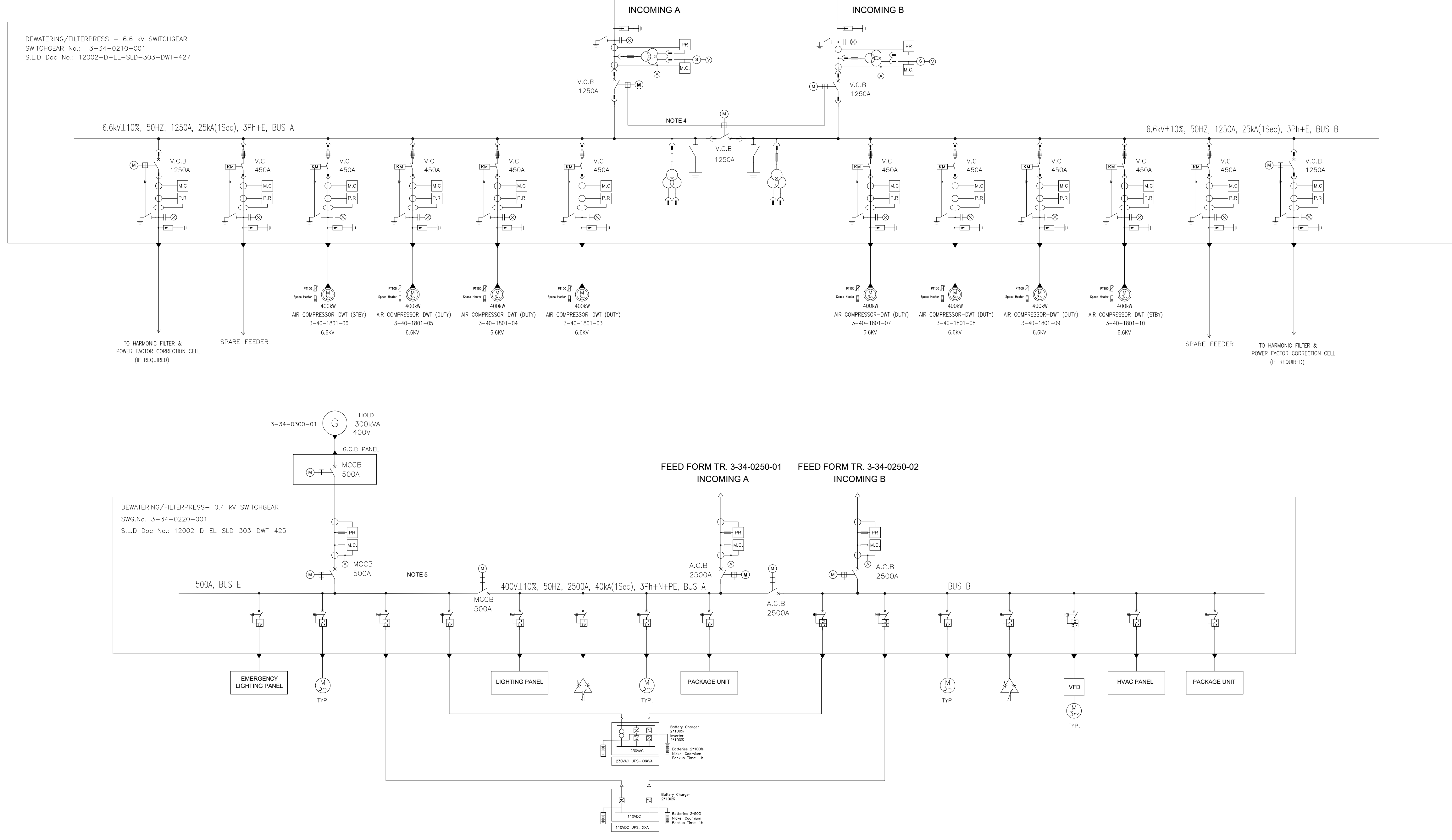
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DEWATERING



Note: TAILING AREA IS DELETED.



REFERENCE

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Client:

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EPC Contractor:

Project:

Title:

OVERALL SLD

Document Number:

28C3-D-4IN-SLD-090-0000-00-EL-0049

Document Number:

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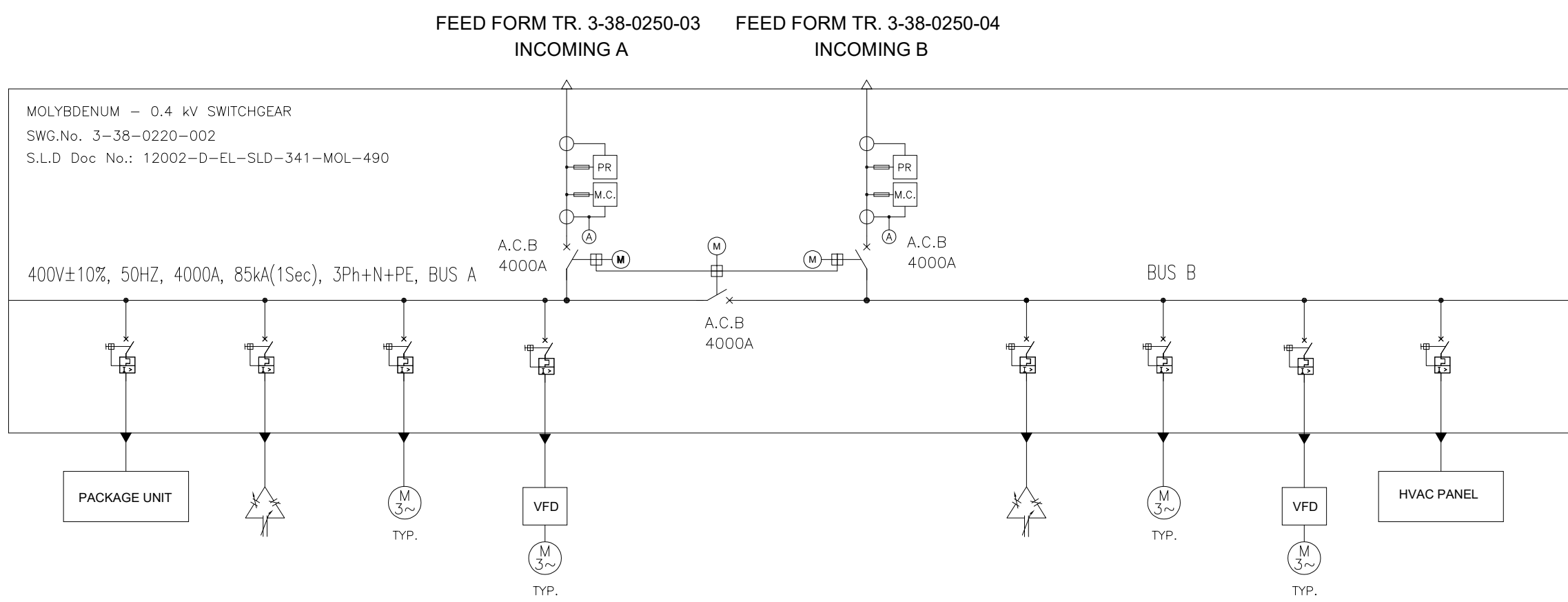
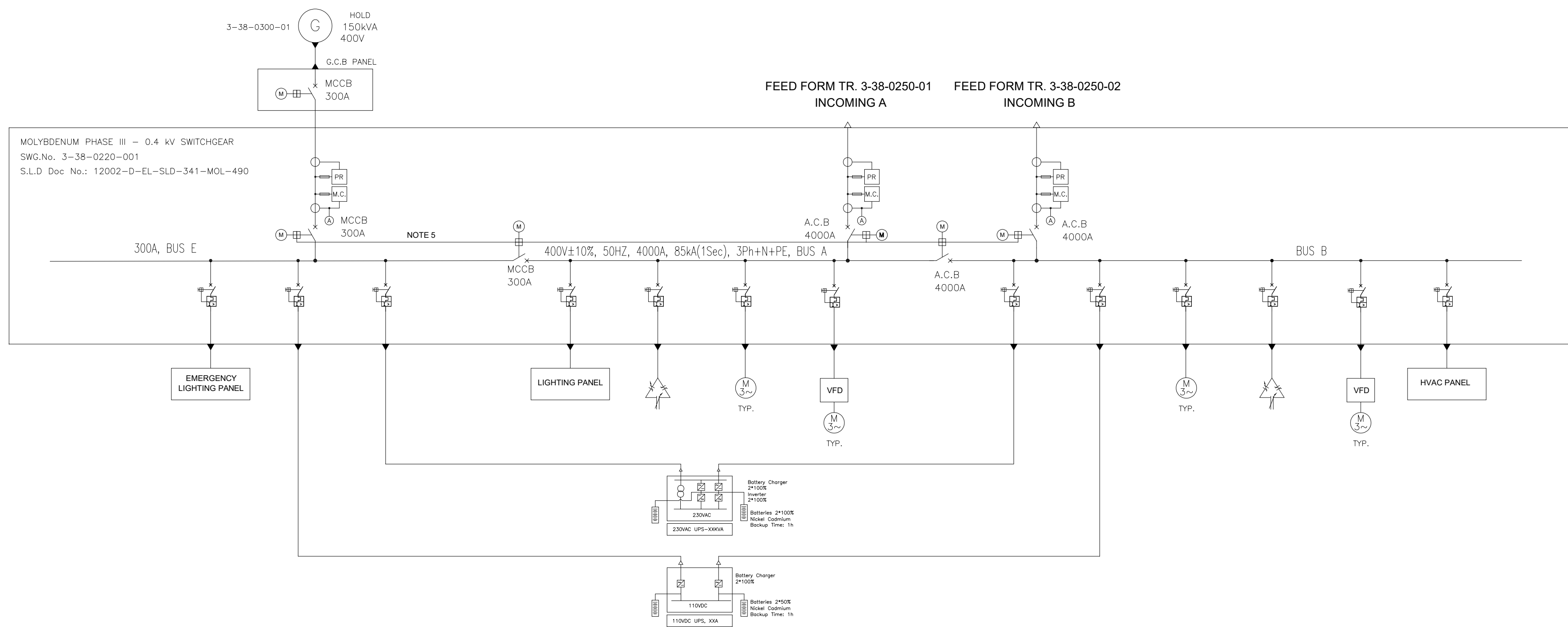
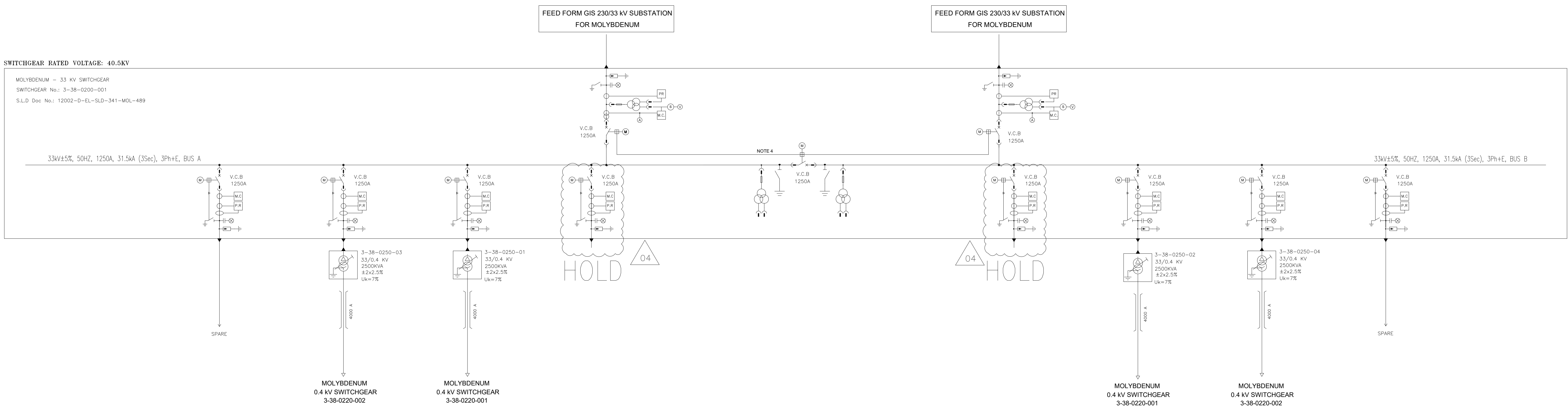
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Library code:	303-E03-0000-00-EL-SLD-049-04	FA	A0	--	11 OF 11
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