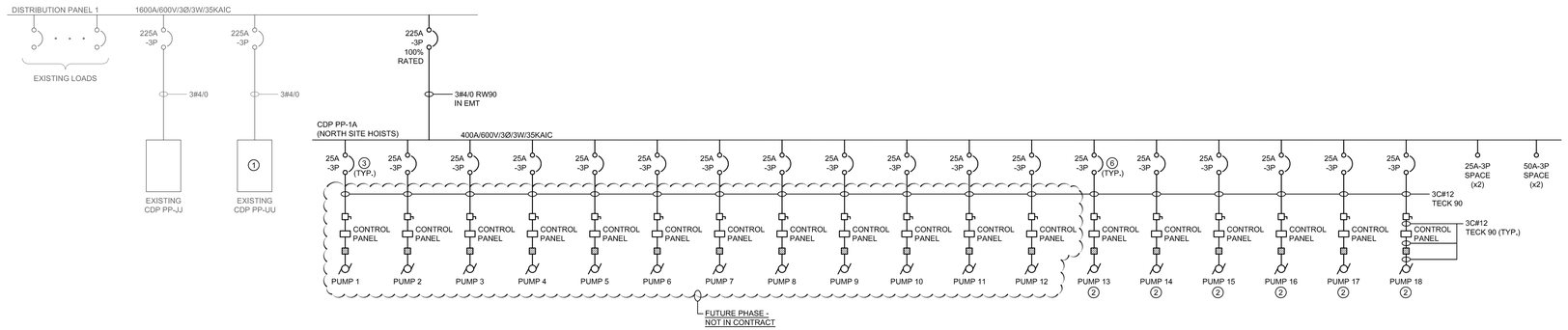
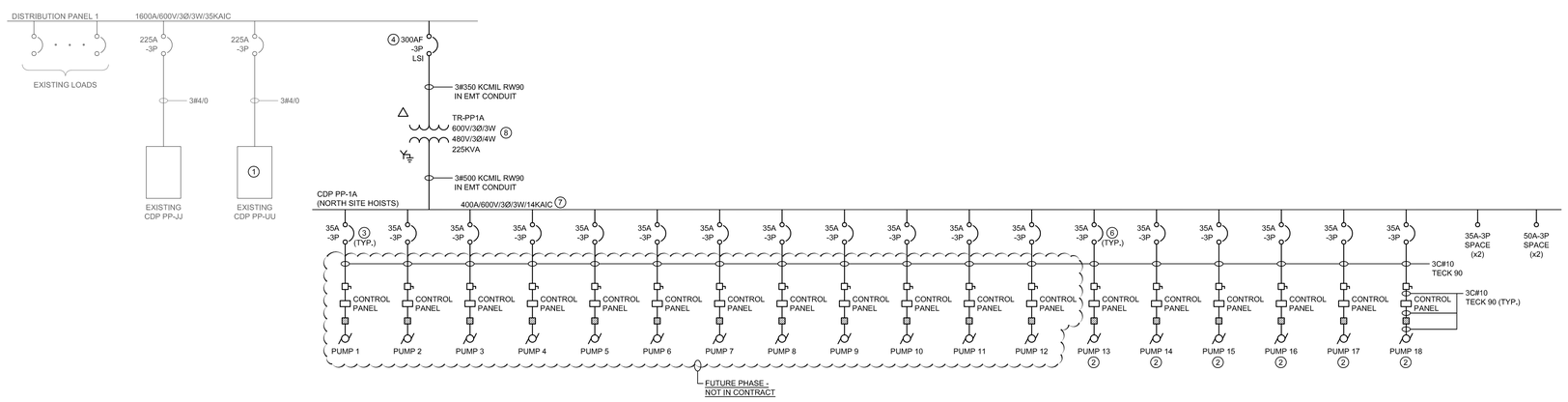


1 E2.0 PARTIAL SINGLE LINE DIAGRAM - OPTION 1 - 600V 5

SCALE: NTS



2 E2.0 PARTIAL SINGLE LINE DIAGRAM - OPTION 2 - 480V 5

SCALE: NTS

GENERAL NOTES

A. PROVIDE BOND CONDUCTOR IN ALL CONDUIT RUNS, EXCEPT WHERE TECK CABLE USED (IN SLAB CONDUIT).

B. THIS BUILDING MAY CONTAIN ASBESTOS. REFER TO FRONT END SPECIFICATIONS FOR FURTHER INFORMATION.

C. ELECTRICAL SUB-CONTRACTOR TO BID ON ONE OF THE OPTIONS BELOW (600V OR 480V), REFER TO KEYNOTE 5.

D. ALL CONDUCTORS TO BE COPPER.

KEY NOTES

1. DISCONNECT EXISTING HYDRAULIC PUMPS FROM CDP PP-UU AS NOTED ON DRAWING E1.0.
2. PROVIDE 'HL' RATED TECK 90 FROM MOTOR STARTER TO PUMP IN PIT. PROVIDE EXPLOSION PROOF CONNECTOR AT PUMP, RATED FOR ZONE 2 HAZARDOUS LOCATION.
3. PROVIDE BREAKERS IN CDP FOR FUTURE PUMPS.
4. TRIP SETTINGS FOR ADJUSTABLE BREAKER TO BE PROVIDED BY CONTRACT ADMINISTRATOR. ELECTRICAL SUB-CONTRACTOR TO PROGRAM BREAKER AND PROVIDE TEST REPORT TO CONTRACT ADMINISTRATOR.
5. 600V OPTION IS PREFERRED. ELECTRICAL SUB-CONTRACTOR TO COORDINATE WITH HOIST SYSTEM MANUFACTURER AND PROVIDE EITHER 600V OR 480V DISTRIBUTION TO SUIT PUMP MOTOR SUPPLIED BY MANUFACTURER.
6. CONFIRM BREAKER SIZE WITH HOIST SYSTEM MANUFACTURER (MAY VARY SLIGHTLY ONCE CUSTOM CONTROL PANEL LOAD IS DETERMINED)
7. FOR OPTION 2 (480V DISTRIBUTION), ALL BREAKERS IN CDP-1A TO BE RATED FOR MINIMUM 14 KAIC AT 480V.
8. PROVIDE NEW TRANSFORMER ADJACENT TO CDP-1A.

The General Contractor shall check & verify all dimensions and report any errors or omissions to the designers.

No.	Date	Issue/Revision	By
1	24/08/19	ISSUED FOR CONSTRUCTION	VEK
0	19/08/19	ISSUED FOR BID	VEK

ENGINEERS GEOSCIENTISTS MANITOBA
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SMS Engineering Ltd.
No. 166

PROVINCE OF MANITOBA V.E. KANE 2019 Aug. 24 Member 30343 REGISTERED PROFESSIONAL ENGINEER

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Project

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HOIST REPLACEMENT
421 OSBORNE STREET
WINNIPEG, MANITOBA

Sheet Title

PARTIAL SINGLE LINE DIAGRAM

File	Date
2018-1170	2019-06-10
Design	**Drawn**
VEK	KAM
Revision	**Sheet No.**
1	E2.0