



LST-4 EXISTING ROOF

① ② ③



UVT-3 (FOREGROUND) AND UVT-2 (BACKGROUND) EXISTING ROOF

① ② ③



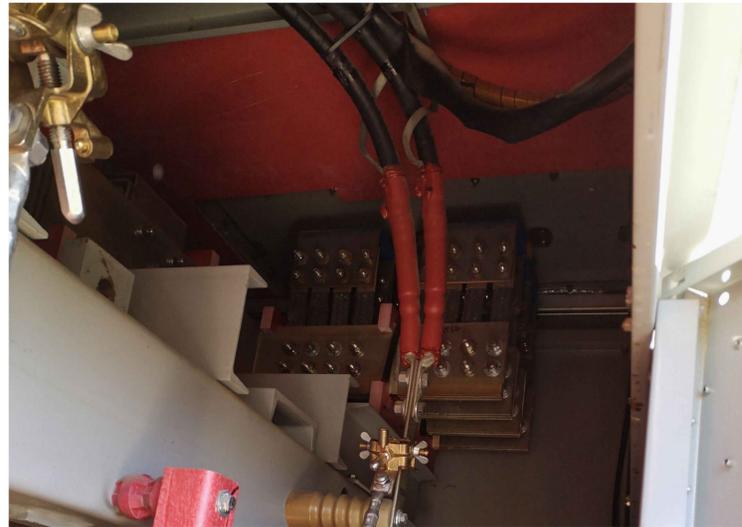
UVT-2 EXISTING ROOF

① ② ③



UVT-2 PRIMARY CABLE

④ ⑤ ⑥



UVT-2 BUSDUCT CONNECTION

④ ⑤ ⑦



LST-4 SECONDARY BUSDUCT CONNECTION

④ ⑤ ⑦

CONSTRUCTION NOTES:

- ① REMOVE AND REPLACE ALL ROOF PANELS REGARDLESS OF EXISTING CONDITION.
- ② REMOVE AND RE-INSTALL ALL CABLES TO ALLOW FOR THE TRANSFORMER ROOF REPLACEMENT. RE-ENTRY OF ALL AUXILIARY CABLES FROM THE BACK SIDE OF THE TRANSFORMER.
- ③ REMOVE ALL CABLE TRAY AND BUSDUCT SUPPORT CHANNELS AND REPLACE WITH SUPPORTS INDEPENDENT OF THE TRANSFORMER ENCLOSURE.
- ④ CAREFULLY DISCONNECT AND REMOVE THE PRIMARY CABLES (AND OTHER CABLES) TO ALLOW FOR THE ROOF REPLACEMENT.
- ⑤ RE-INSTALL THE PRIMARY CABLES (AND OTHER CABLES) AND REPLACE ALL THE CABLE GLANDS.
- ⑥ REPAIR DAMAGED CONDUCTORS. UTILIZE COMPONENTS FROM CSA APPROVED MEDIUM VOLTAGE SPLICE KIT TO IMPLEMENT THE REPAIR.
- ⑦ DISCONNECT AND RECONNECT THE SECONDARY BUSDUCT CONNECTIONS AS REQUIRED FOR THE ROOF REPLACEMENT.

1-0101U-E0018 1-0101U-E0019	EQUIPMENT LAYOUT, UVT-2, AND UVT-3 TRANSFORMERS EQUIPMENT LAYOUT, LST-4, AND LST-5 TRANSFORMERS
DRAWING NUMBER	REFERENCE DRAWINGS

**ENGINEERS
GEOSCIENTISTS
MANITOBA**
 Certificate of Authorization
CENGYS Ltd.
 No. 6983

00	ISSUED FOR CONSTRUCTION (896-2021)	2022-01-06	CJR	CJR	CJR	CJR	CJR
NO.	REVISIONS	DATE	DESIGN	CHECK			

 www.cengys.com	
DESIGNED BY: C. REIMER	CHECKED BY: C. REIMER
DRAWN BY: E. COELHO	APPROVED BY: C. REIMER
SCALE: N.T.S.	ISSUED FOR CONSTRUCTION BY: K. SCHIMKE
DATE: 2021-11-25	DATE: 2022-01-06
CONSULTANT NO.: 100022-011	

ENGINEER'S SEAL

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT			
NORTH END SEWAGE TREATMENT PLANT UV TRANSFORMER REPAIR EXISTING PHOTOGRAPHS			
CITY DRAWING NUMBER 1-0101U-E0021	SHEET 001	REV. 00	SIZE A1