



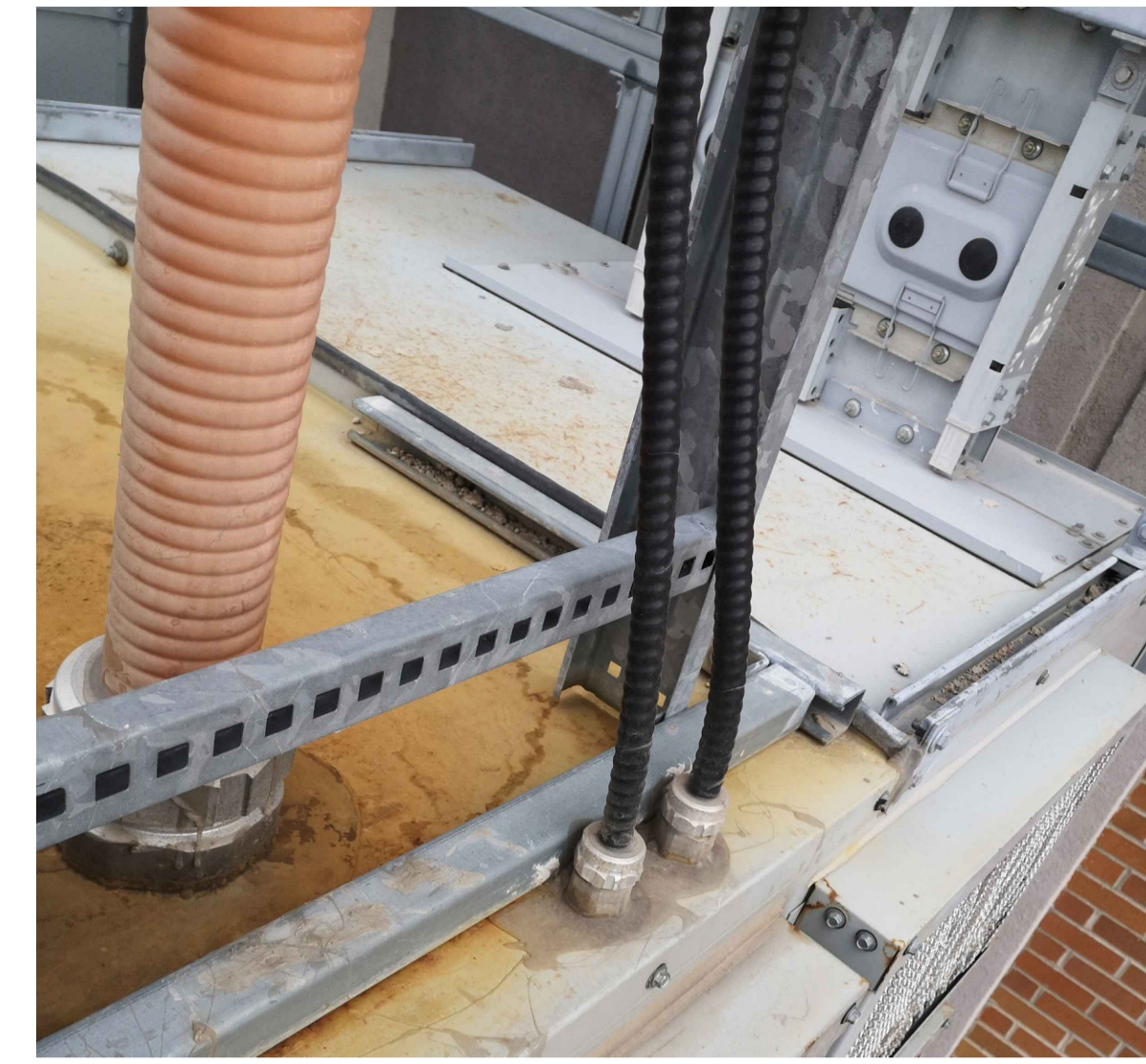
LST-4 EXISTING ROOF

① ② ③



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

① ② ③



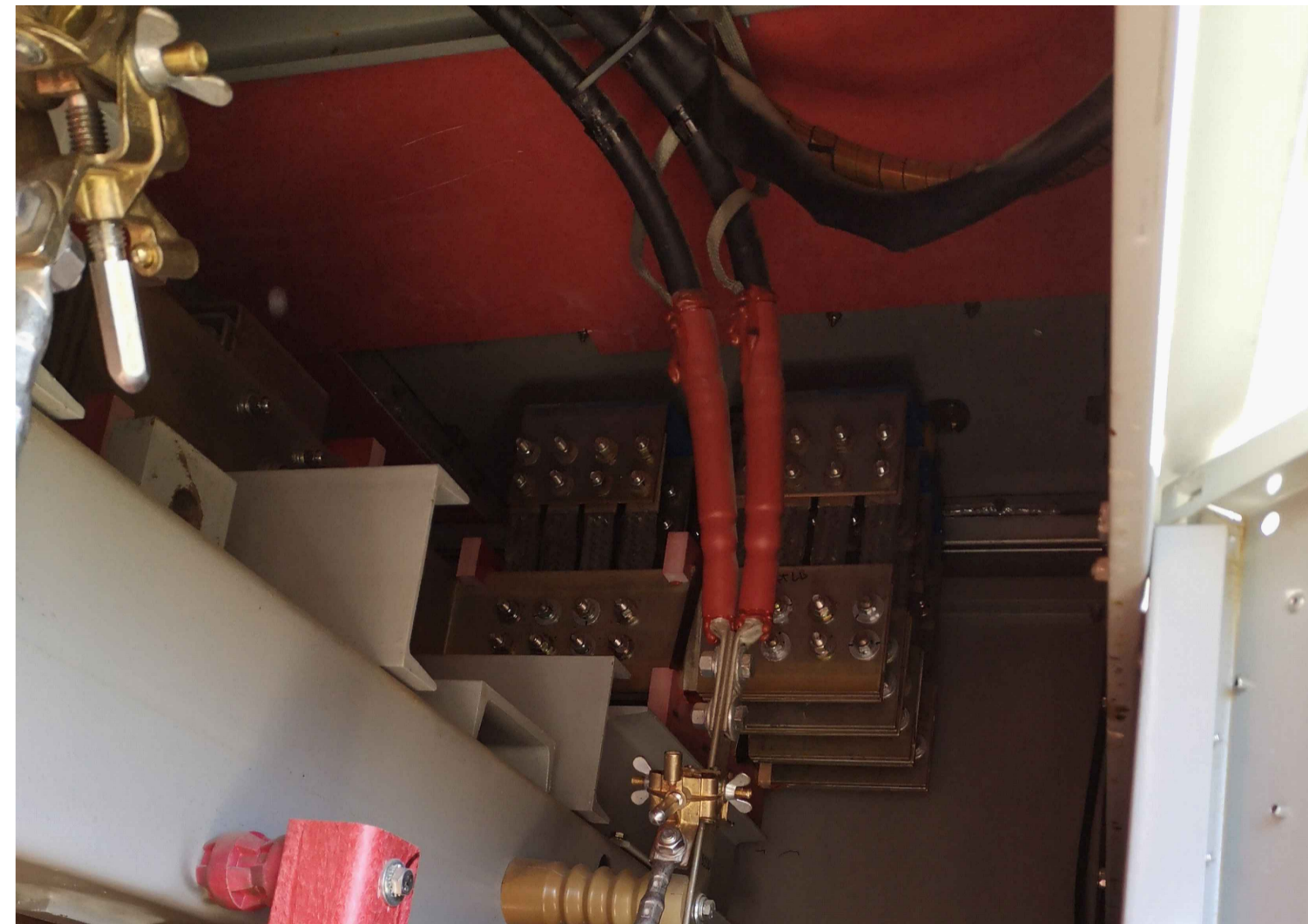
UVT-2 EXISTING ROOF

① ② ③



UVT-2 PRIMARY CABLE

④ ⑤ ⑥ ⑧



UVT-2 BUSDUCT CONNECTION

④ ⑤ ⑦



LST-4 SECONDARY BUSDUCT CONNECTION

④ ⑤ ⑦

CONSTRUCTION NOTES:

- | | |
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| <p>① REMOVE AND REPLACE ALL ROOF PANELS REGARDLESS OF EXISTING CONDITION.</p> <p>② REMOVE AND RE-INSTALL ALL CABLES TO ALLOW FOR THE TRANSFORMER ROOF REPLACEMENT. RE-ENTRY OF ALL AUXILIARY CABLES TO BE FROM THE BACK SIDE OF THE TRANSFORMER ADJACENT TO THE BUILDING.</p> <p>③ REMOVE ALL CABLE TRAY AND BUSDUCT SUPPORT CHANNELS AND REPLACE WITH SUPPORTS INDEPENDENT OF THE TRANSFORMER ENCLOSURE.</p> <p>④ CAREFULLY DISCONNECT AND REMOVE THE PRIMARY CABLES (AND OTHER CABLES) TO ALLOW FOR THE ROOF REPLACEMENT.</p> <p>⑤ RE-INSTALL THE PRIMARY CABLES (AND OTHER CABLES) AND REPLACE ALL THE CABLE GLANDS.</p> | <p>⑥ REPAIR DAMAGED CONDUCTORS. UTILIZE COMPONENTS FROM CSA APPROVED MEDIUM VOLTAGE SPLICE KIT TO IMPLEMENT THE REPAIR.</p> <p>⑦ DISCONNECT AND RECONNECT THE SECONDARY BUSDUCT CONNECTIONS AS REQUIRED FOR THE ROOF REPLACEMENT.</p> <p>⑧ INSTALL NEW INSULATION ON THE INTERIOR OF THE TRANSFORMER ROOF TO PREVENT CONDENSATION ON THE TRANSFORMERS. PROVIDE A MINIMUM R-VALUE OF R-5 AND MECHANICALLY ATTACH TO THE ROOF INTERIOR VIA FASTENERS. UTILIZE FIBREBOARD (AS PER EXISTING) OR OTHER MEANS ACCEPTABLE TO THE CONTRACT ADMINISTRATOR TO ENSURE THAT ANY INSULATION DOES NOT FALL ONTO THE TRANSFORMER.</p> |
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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 (152-2023)	2023-02-28	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: 2023-02-28
CONSULTANT NO.: 100048-001	

ENGINEER'S SEAL

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