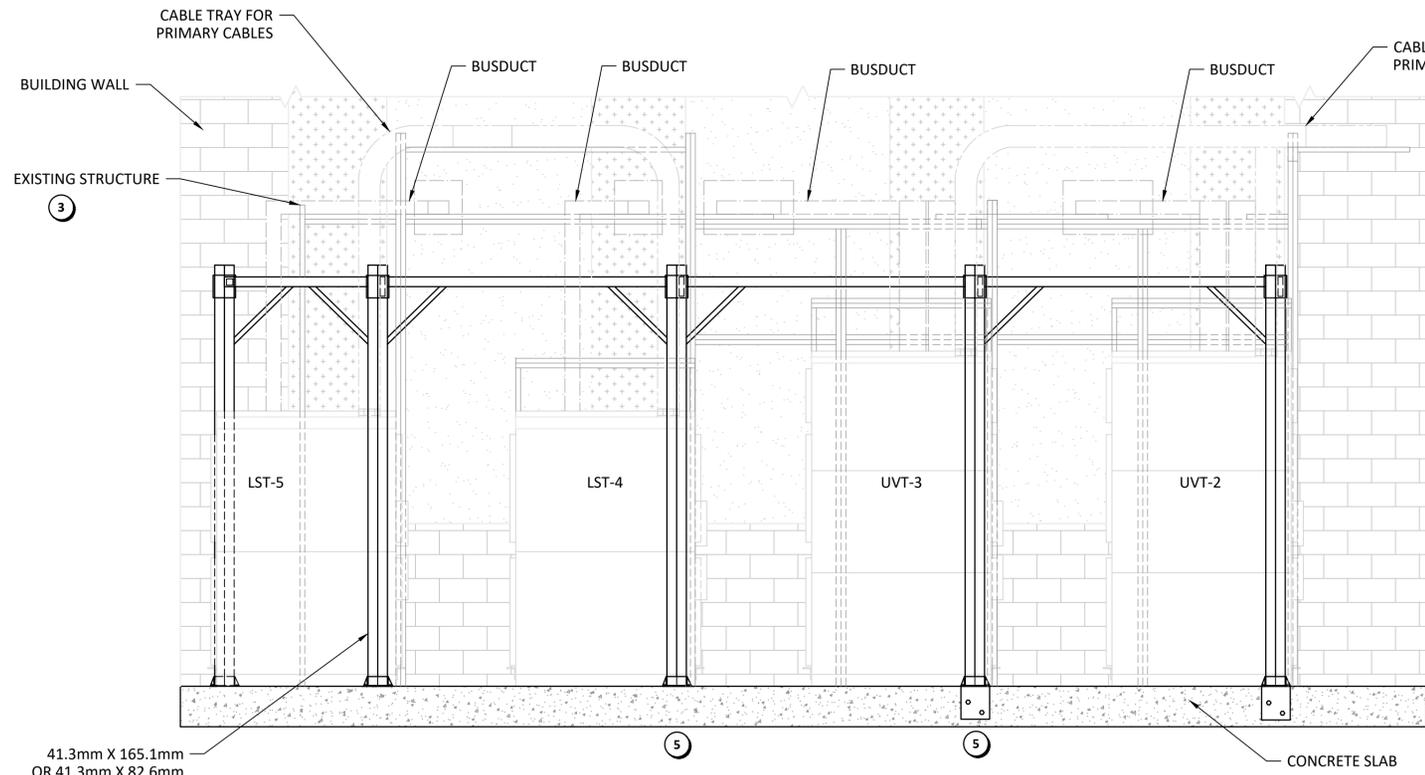
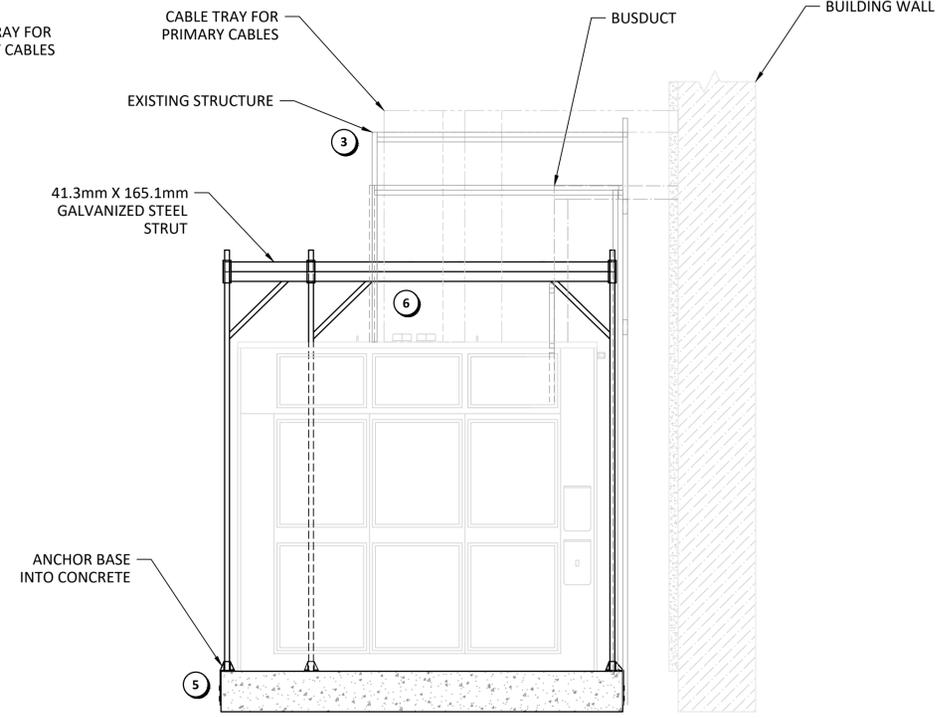


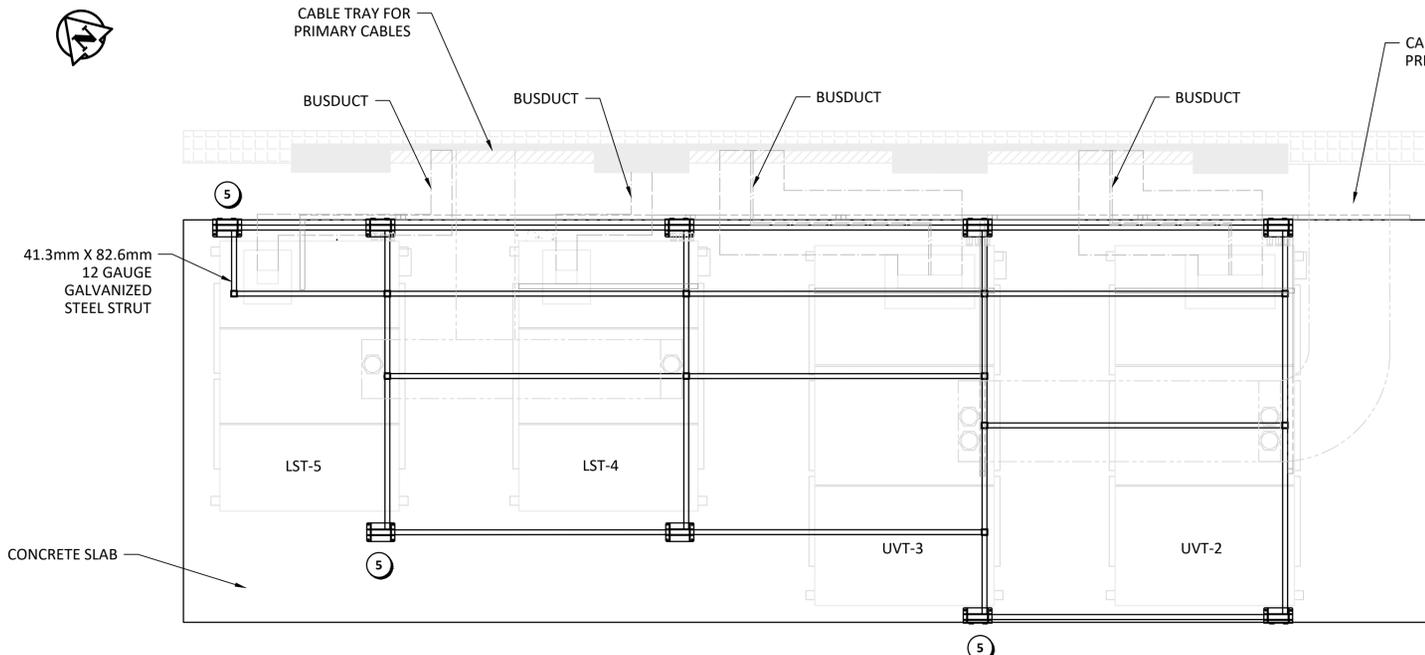
A1 SIZE - 594mm x 841mm



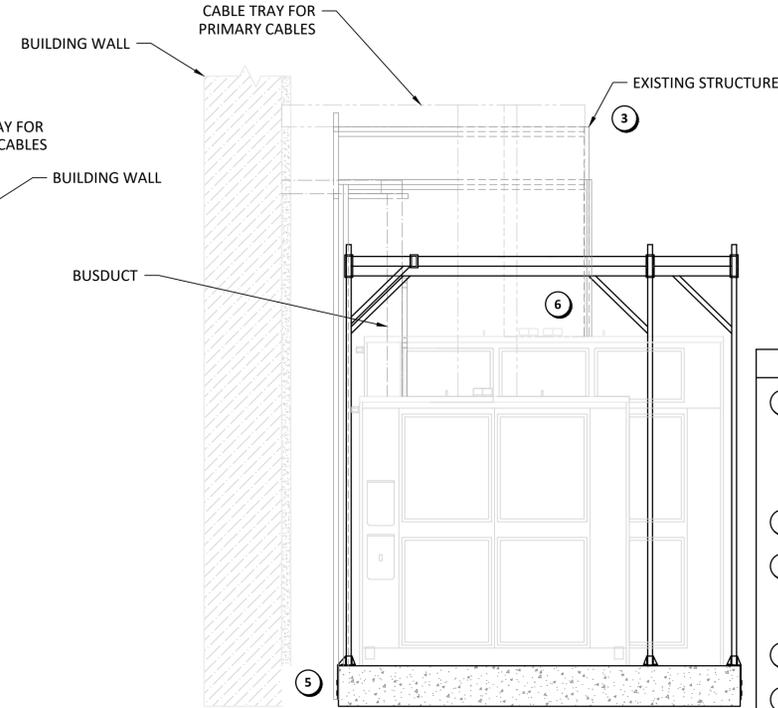
FRONT VIEW
SCALE 1:30



RIGHT SIDE VIEW
SCALE 1:30



TOP VIEW
SCALE 1:30



LEFT SIDE VIEW
SCALE 1:30

CONSTRUCTION NOTES:

1. PROVIDE A COMPREHENSIVE SUPPORT STRUCTURE FOR THE CABLE TRAY AND BUSDUCTS NEAR THE TRANSFORMERS. THE ARRANGEMENT SHOWN IS BASED UPON UNISTRUT 5000 (41.3MM X 82.6MM) AND 5001 (41.3MM X 165.1MM) 12 GAUGE GALVANIZED STEEL CHANNELS. THE ARRANGEMENT SHOWN IS AN INDICATIVE GENERAL ARRANGEMENT ONLY AND THE CONTRACTOR IS RESPONSIBLE FOR THE FINAL DESIGN AND CONSTRUCTION BASED UPON THE ACTUAL SITE LOADS. PERFORM A SITE INSPECTION TO IDENTIFY SITE LOADS.
2. PROVIDE SHOP DRAWINGS OF THE DESIGNED SUPPORT STRUCTURE ARRANGEMENT, SEALED BY A PROFESSIONAL ENGINEER.
3. AN EXISTING SUPPORT STRUCTURE IS PRESENT ON THE NORTH SIDE OF THE TRANSFORMERS. THE EXISTING STRUCTURE MAY BE REUTILIZED INTO THE DESIGN PROVIDED THAT THE PROFESSIONAL ENGINEER TAKES RESPONSIBILITY FOR THE COMPLETE DESIGN AND ALL EXISTING STRUCTURE CONNECTED TO THE TRANSFORMERS IS REMOVED.
4. ALL BUSDUCT, CABLE TRAY, AND CABLES SHALL BE COMPLETELY SUPPORTED BY THE SUPPORT STRUCTURE. DO NOT UTILIZE THE TRANSFORMERS FOR ANY SUPPORT.
5. ANCHOR BASE FOR EACH POST INTO THE CONCRETE SLAB TO SUPPORT THE STRUCTURE. ANCHORS SHALL BE A MINIMUM OF 75mm FROM THE EDGE OF THE CONCRETE.
6. REMOVE ALL CHANNELS AND STRUCTURE CONNECTED TO THE TRANSFORMERS.

NOTES:
1. ALL DIMENSIONS SHOWN ARE APPROXIMATE ONLY AND REQUIRE FIELD CONFIRMATION.

1-0101U-E0017	SITE PLAN, WORK AND PARKING AREAS EQUIPMENT LAYOUT, UVT-2, AND UVT-3 TRANSFORMERS EQUIPMENT LAYOUT, LST-4, AND LST-5 TRANSFORMERS
1-0101U-E0018	
1-0101U-E0019	
DRAWING NUMBER	REFERENCE DRAWINGS

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

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

CENGYS
www.cengys.com

DESIGNED BY: E. COELHO / C. REIMER	CHECKED BY: C. REIMER
DRAWN BY: E. COELHO	APPROVED BY: C. REIMER
SCALE: AS SHOWN	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
INSTALLATION DETAILS
CABLE TRAY AND BUSDUCT SUPPORTS

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0101U-E0020	001	00	A1