





RIGHT SIDE VIEW - EXISTING

SCALE 1:16

							CE www.cer	ENG ngys.com
							DESIGNED BY:	CHECKED BY:
							C. REIMER	C. REI
							DRAWN BY:	APPROVED BY:
	ENGINEERS						S. FUNK / E. COELHO	C. REI
	MANITOBA							ISSUED FOR CONST
Certificate o	f Authorization							BY: K. SCH
							DATE: 2021-08-15	DATE: 2023-0
No. 6983	00	ISSUED FOR CONSTRUCTION (152-2023)	2023-02-28	CJR	CJR	CONSULTANT NO.:		
	NO.	REVISIONS	DATE	DESIGN	СНЕСК	100048	-001	

— 31mm INCREMENT ON SIDE WALL OF SECTIONS 1 AND 2 (1:50 MIN. SLOPE)

ROOF ON SECTION 3 MAY REMAIN CLOSER TO LEVEL TO ACCOMMODATE EXISTING BUSDUCT CONNECTION

	CONSTRUCTION NOTES:										
		TEST THE TRANSFORMER AND CABLES PRIOR TO REMOVING.									
	2	DISCONNECT AND CAREFULLY REMOVE THE 4160V PRIMARY POWER CABLES.									
	3	DISCONNECT THE BUSDUCT AND REMOVE THE TRANSITION SECTION AND OTHER SECTION AS REQUIRED TO REMOVE THE TRANSFORMER ROOF.	AND REMOVE THE TRANSITION SECTION AND OTHER SECTIONS HE TRANSFORMER ROOF.								
	4	REMOVE THE TRANSFORMER ROOF AND COVER THE TRANSFORMER AS REQUIRED TO PREVENT MOISTURE INGRESS WHILE THE ROOF IS REMOVED.									
	5	REPLACE THE EXISTING STEEL WITH A STAINLESS STEEL ROOF THAT HAS A MINIMUM SLO OF 1:50 ON SECTION 1 AND SECTION 2. THE SECTION 3 ROOF SLOPE MAY BE MINIMIZED ALLOW FOR THE BUSDUCT CONNECTION. A POSSIBLE DESIGN CONCEPT IS SHOWN IN D 1. HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE MODIFIED RO AND MODIFICATION OF ALL THE CONNECTIONS, INCLUDING THE BUSDUCT CONNECTION PROVIDE SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION.	L WITH A STAINLESS STEEL ROOF THAT HAS A MINIMUM SLOPE SECTION 2. THE SECTION 3 ROOF SLOPE MAY BE MINIMIZED TO CONNECTION. A POSSIBLE DESIGN CONCEPT IS SHOWN IN DETAIL TOR IS RESPONSIBLE FOR THE DESIGN OF THE MODIFIED ROOF THE CONNECTIONS, INCLUDING THE BUSDUCT CONNECTION. SEALED BY A PROFESSIONAL ENGINEER PRIOR TO								
	5 A	PROVIDE AND ATTACH INSULATION TO THE INTERIOR OF THE ENCLOSURE ROOF. IN ADDITION TO ATTACHING THE INSULATION REUTILIZE OR PROVIDE NEW FIBREBOARD TO PREVENT INSULATION FROM FALLING DOWN. PROVIDE SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION.	C								
	6	RE-INSTALL ALL CABLES AND BUSDUCT, REPLACE ALL THE CABLE GLANDS, AND PROVIDE ASSOCIATED STRUCTURE TO SUPPORT THE CABLES, TAKING CARE NOT TO DAMAGE. RE-ENTRY OF ALL AUXILIARY CABLES TO BE FROM THE RIGHT SIDE OF THE TRANSFORME REPAIR THE 4160V CABLES AS DESCRIBED IN THE SPECIFICATIONS.	THE R.								
	7	REMOVE ALL DOORS AND PANELS THAT ARE READILY REMOVABLE, TAKE OFFSITE TO AN APPROPRIATE SHOP. CLEAN TO BASE METAL UTILIZING SAND BLASTING AND PAINT IN ACCORDANCE WITH THE SPECIFICATIONS.									
	8	REMOVE ALL CORROSION AND LOOSE PAINT TO BASE METAL ON THE ENCLOSURE EXTERI WALLS, AND ALL OTHER PANELS NOT REMOVED. DO NOT UTILIZE SANDBLASTING OR OTH TECHNIQUES WHICH COULD IMPACT THE TRANSFORMER ON THE PANELS . PRIME AND PAINT THE ENTIRE ENCLOSURE EXTERIOR IN ACCORDANCE WITH THE SPECIFICATIONS.									
	9	REMOVE AND CLEAN ALL FILTERS.									
	10	CLEAN THE TRANSFORMER INTERIOR.									
	11	TEST THE TRANSFORMER AND CABLES UPON COMPLETION OF THE REPAIR WORK.	ND CABLES UPON COMPLETION OF THE REPAIR WORK.								
	12	INSTALL A NEW SIGN WITH A RED FACE CONTAINING THE WORDS: "DANGER: 4160 V".									
	13	COORDINATE, PAY FOR, AND RECEIVE AN INSPECTION AND APPROVAL OF THE TRANSFORMER MODIFICATIONS. THE INSPECTION AGENCY SHALL PROVIDE A CSA OR CSA EQUIVALENT CERTIFICATION FOR EACH TRANSFORMER.									
	14	PROVIDE A SEAL TO ENSURE ALL RIB CONNECTIONS ARE WATER-TIGHT.									
	15	IN ADDITION TO ANY MANUFACTURER REQUIREMENTS, PROVIDE A COMPATIBLE LONG-LIFE SEALANT AROUND ALL CABLE GLANDS AND BUS-DUCT CONNECTIONS TO ENSURE A LONG-LIFE WATER-TIGHT SEAL.									
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BY: C. REIME	R	NORTH END SEWAGE TREATMENT PLANT	-								
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OR CONSTRUCT	ΓΙΟΝ	LST-4 AND LST-5 TRANSFORMERS									
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2023-02-2	28	CITY DRAWING NUMBER SHEET REV	/. SIZE								
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