



	<u>GENERAL NOTES:</u>
	1. COORDINATE EXACT LOCATION OF CONDUITS WITH EQUIPMENT SHOP DRAWINGS PRIOR TO CONCRETE POUR.
nm COVER	 TRANSFORMER CLEARANCES SHLL BE IN ACCORDANCE WITH CEC RULE 26-242(2)(b)(i).
D, 4/0	 PERIMETER BURIED GROUND CABLE AND GROUND RODS SHALL BE INSTALLED AS PER DETAILS 1, 2 AND 3.
CABLE	4. ALL GROUND CABLES ARE BARE 4/0 AWG, COPPER, UNLESS
	OTHERWISE INDICATED. 5. ALL EXPOSED GROUND WIRE SHALL BE ROUTED IN CONDUIT FOR
	MECHANICAL PROTECTION. 6. EQUIPMENT DOOR OPENINGS ARE NOT SHOWN FOR CLARITY.
	 ALL 4160 AND 600 VAC POWER CABLING AND CONDUIT IS NOT SHOWN FOR CLARITY. REFER TO OTHER DRAWINGS.
	FOR CLARITE REFER TO OTHER DRAWINGS.
	CONSTRUCTION NOTES:
	1 ALL PERIMETER GROUND CABLES SHALL BE BURIED BELOW FINISHED GRADE. ALL BELOW GRADE CONNECTIONS SHALL BE COMPRESSION OR CADWELDED.
	PROVIDE BOLLARDS (GUARD POSTS) WITH GROUND CONNECTIONS. GROUND CABLE SHALL BE BOLTED ON A WELDED STEEL TAB USING A 2-HOLE NEMA LONG BARREL COMPRESSION LUGS.
	PROVIDE 4/0 AWG BARE COPPER GROUND RUN IN CONDUIT SLEEVE FROM ELECTRICAL EQUIPMENT TO GROUND GRID. PROVIDE TWO (2) SEPARATE GROUNDING CONNECTIONS FOR EACH PIECE OF EQUIPMENT. EQUIPMENT SHALL BE GROUNDED TO TWO (2) DIFFERENT GROUNDING CONDUCTOR RUNS.
ALLER	PROVIDE CONDUIT EMBEDDED IN CONCRETE SLAB FOR PRIMARY CABLE FROM THE 5KV SWITCHGEAR SGR-F70. FUSIBLE DISCONNECT TO TRANSFORMER XFMR-F1. EXACT LOCATIONS SHALL BE DETERMINED FROM THE SHOP DRAWINGS OF THE TRANSFORMER AND 5KV SWITCHGEAR. PROVIDE WATERPROOF SEALING OF CABLES
TORS PRIOR	AFTER INSTALLATION. THE CONDUIT SLEEVES FOR INCOMING AND OUTGOING CABLING SHALL BE EXTENDED 500mm PAST THE EDGE OF THE CONCRETE PAD AND SEALED AROUND THE CABLING.
	6 PROVIDE WARNING SIGNS IN ACCORDANCE WITH CSA 22.1, RULE 36-006.
_1	LEGEND:
. WIN	GUARD POST 120mmø x1500mm FILLED WITH CONCRETE AS PER CITY OF WINNIPEG DRAWING SCD–135 AND COMPLETE WITH YELLOW PLASTIC BOLLARD COVER.
	4/0 AWG BARE STRANDED COPPER GROUND CABLE
	6000mm LONG (19mm Ø) COPPER CLAD GROUND ROD WITH
	GROUND WELL
ION	CABLE COMPRESSION CONNECTION

CKED BY: V. ELIMBAN PROVED BY: D. BECKER JED FOR CONSTRUCTION B. SOLOWAY E: 2024/12/20 CITY DRAWING NUMBER O-0132F-F0003 O01 00 A1	Réalis nnipeg, Manitoba 204-786-8080	ENGINEER'S SEAL	Winnipeg THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT				
CITY_DRAWING_NUMBER SHEET REV. SIZE	V. ELIMBAN PROVED BY: D. BECKER JED FOR CONSTRUCTION B. SOLOWAY		2025 TRANSFORMER REMEDIATION UPGRADES ELECTRICAL & GROUNDING				
	L: 2024/12/20	-			sheet 001	^{rev.}	size A1