



FEEDER TAG LEGEND

#8	MINIMUM CONDUCTOR SIZE: RW90
CU	CU= COPPER & AL= ALUMINUM
3	NO. OF CONDUCTORS
21	CONDUIT SIZE (MM)
E	E = EMT CONDUIT
P	P = PVC CONDUIT
R	R = RIGID STEEL CONDUIT
T	T = TECK CABLE
A	A = ACWU
RA	RA = RA90

GENERAL NOTE:

1. DUE TO THE VOLTAGE REDUCTION FROM 240V TO 208V, THE CONTRACTOR SHALL MAKE ALL PROVISIONS TO UPSIZE THE FEEDERS AND THE BREAKERS (WITH A FACTOR OF 1.15) FOR ALL MOTORS RATED 7.5HP OR GREATER.

- DRAWING NOTES:**
- EXISTING UTILITY TRANSFORMER, FUSED DISCONNECT SWITCH, METERING AND SPLITTER TO BE DISCONNECTED, REMOVED, CLEANED AND TURNED OVER TO OWNER. EXISTING DIP POLE AND UNDERGROUND SECONDARY SERVICE TO BE ABANDONED. ENSURE NEW DISTRIBUTION TO BE FULLY OPERATIONAL PRIOR TO DEMOLITION OF EXISTING DISTRIBUTION. COORDINATE ALL WORKS & SHUTDOWN WITH ELECTRIC UTILITY.
 - ELECTRICAL CONTRACTOR (E.C.) TO COORDINATE ALL REQUIREMENTS WITH ELECTRIC UTILITY FOR SUPPLY AND INSTALLATION OF ELECTRICAL SERVICE. COORDINATE LOCATION OF ELECTRIC UTILITY POLE WITH SUPPLY AUTHORITY. E.C. TO CARRY ALL ELECTRIC UTILITY CONTRIBUTION COSTS.
 - SIZE BREAKER AND FEEDER IN ACCORDANCE TO FINAL NAMEPLATE RATINGS ON EQUIPMENT. PROVIDE WEATHERPROOF DISCONNECT SWITCH NEAR EQUIPMENT AS REQUIRED.
 - NEW AND EXISTING SINGLE PHASE PANELS AND OTHER LOADS TO BE CONNECTED EVENLY TO EACH PHASE TO MAINTAIN A BALANCE LOAD FOR THE NEW 3-PHASE SYSTEM. DUE TO SINGLE PHASE PANEL/EQUIPMENT CONFIGURATION, PHASES ARE NOT BALANCE. MAKE ALL PROVISIONS TO BALANCE PHASES BY CONNECTING PANELS/UNITS USING AB, BC & CA PHASES ON RESPECTIVE PANELS/UNITS/EQUIPMENT.
 - PROVIDE NEW 12x12x6 JB(S) AND CONDUIT (REFER TO EXISTING 1/E-3.0 TO RELOCATE EXISTING CIRCUITS TO NEW PANEL LOCATIONS. DISCONNECT DETAIL FEEDERS AND RELOCATE TO NEW PANEL LOCATIONS.
 - PROVIDE SHORT CIRCUIT STUDY AND ARC FLASH HAZARD STUDY.
 - PROVIDE CABLE IDENTIFICATION WITH PERMANENTLY SECURED LAMACOID LABEL (MIN. SIZE 3" X 5") POSTED ON OR NEAR EACH SERVICE OR OVERCURRENT SUPPLYING EQUIPMENT IN ACCORDANCE WITH T.I.#5 OF WEB AND DETAIL DRAWING 2/E-1. REFER TO T.I.#5 FOR LABEL IDENTIFICATION DETAILS.
 - THE EXISTING POWER SYSTEM SHALL BE REMOVED/DISCONNECTED AFTER THE NEW MAIN DISTRIBUTION INSTALLATION IS IN PLACE.

SINGLE LINE DIAGRAM
NTS

NO.	REVISION	DATE	BY
4	GENERAL REVISION	04/08/08	TT
3	ISSUED FOR BID OPPORTUNITY	03/27/08	TT
2	ISSUED FOR 90% REVIEW	02/07/08	TT
1	ISSUED FOR 75% REVIEW	01/22/08	TT
0	ISSUED FOR 50% REVIEW	12/05/07	TT

THIS DRAWING IS THE EXCLUSIVE PROPERTY OF THE ARCHITECT AND CAN BE REPRODUCED ONLY WITH THE PERMISSION OF THE ARCHITECT IN WHICH CASE THE REPRODUCTION MUST BEAR THE NAME OF THE ARCHITECT.

THIS DRAWING SHALL NOT BE SCALED. FOLLOW GIVEN DIMENSIONS ONLY.

THE CONTRACTOR SHALL SATISFY HIMSELF THAT ALL DIMENSIONS AND INFORMATION SHOWN ARE CORRECT.

PRIOR TO COMMENCEMENT OF WORK REPORT ANY DISCREPANCIES TO THE ARCHITECT.

VARIATIONS AND MODIFICATIONS TO WORK SHOWN WILL NOT BE ALLOWED WITHOUT WRITTEN PERMISSION OF THE ARCHITECT.

CONSULTANT: TOWER PROJECT NO. : 6174

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APEGN
Certificate of Authorization
Tower Engineering Group
No. 1918 Expiry: April 30, 2008

CALNITSKY ASSOCIATES ARCHITECTS

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PROJECT TITLE
NORBERRY-GLENLEE COMMUNITY CENTRE EXPANSION
26 MOLGAT AVENUE
WINNIPEG, MB

SHEET TITLE
ELECTRICAL SINGLE LINE DIAGRAM

DRAWN BY	SCALE	SHEET NUMBER
DR	AS NOTED	E-7.0
CHECKED BY	DATE	
TT	04/08/08	
PROJECT NUMBER	REVISION	
06-017	4	