

ALL DIMENSIONS SHOWN ARE IN METRES AND/OR MILLIMETRES UNLESS OTHERWISE NOTED.

MAIN SWITCHGEAR
MAIN FEEDER BREAKER CONTROL SCHEMATIC
120V AC (SUPPLY FROM MAIN SWITCHGEAR BREAKER)

NOTE: EACH BREAKER CONTROL SHOULD BE ON ITS OWN FUSE AND A FUSE FOR THE FEPO CONTROLS.

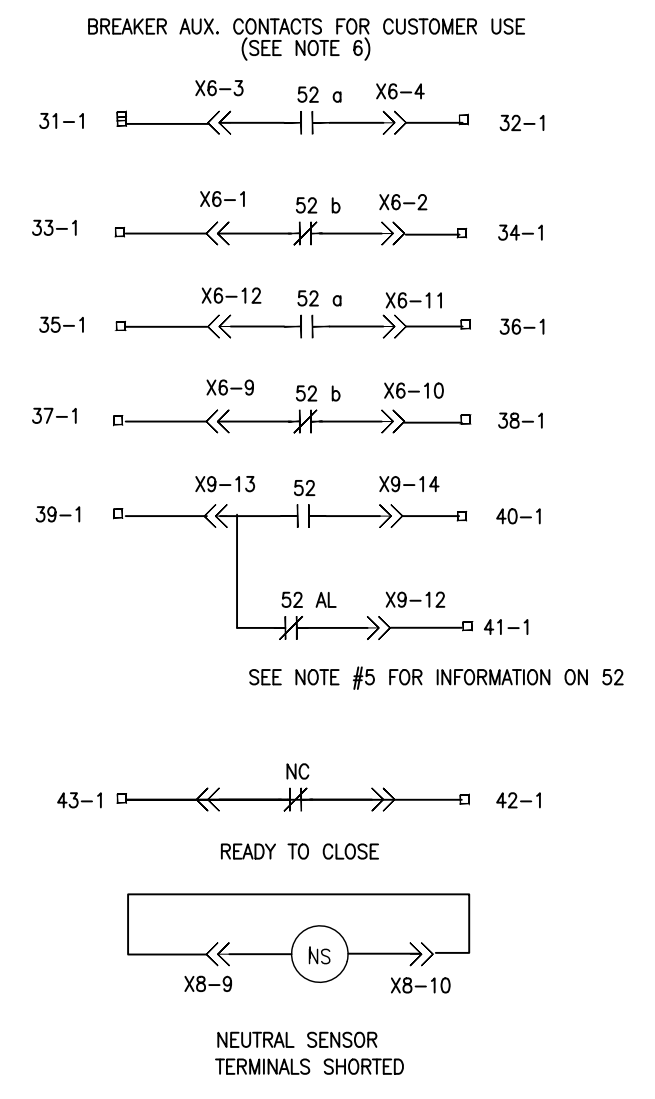
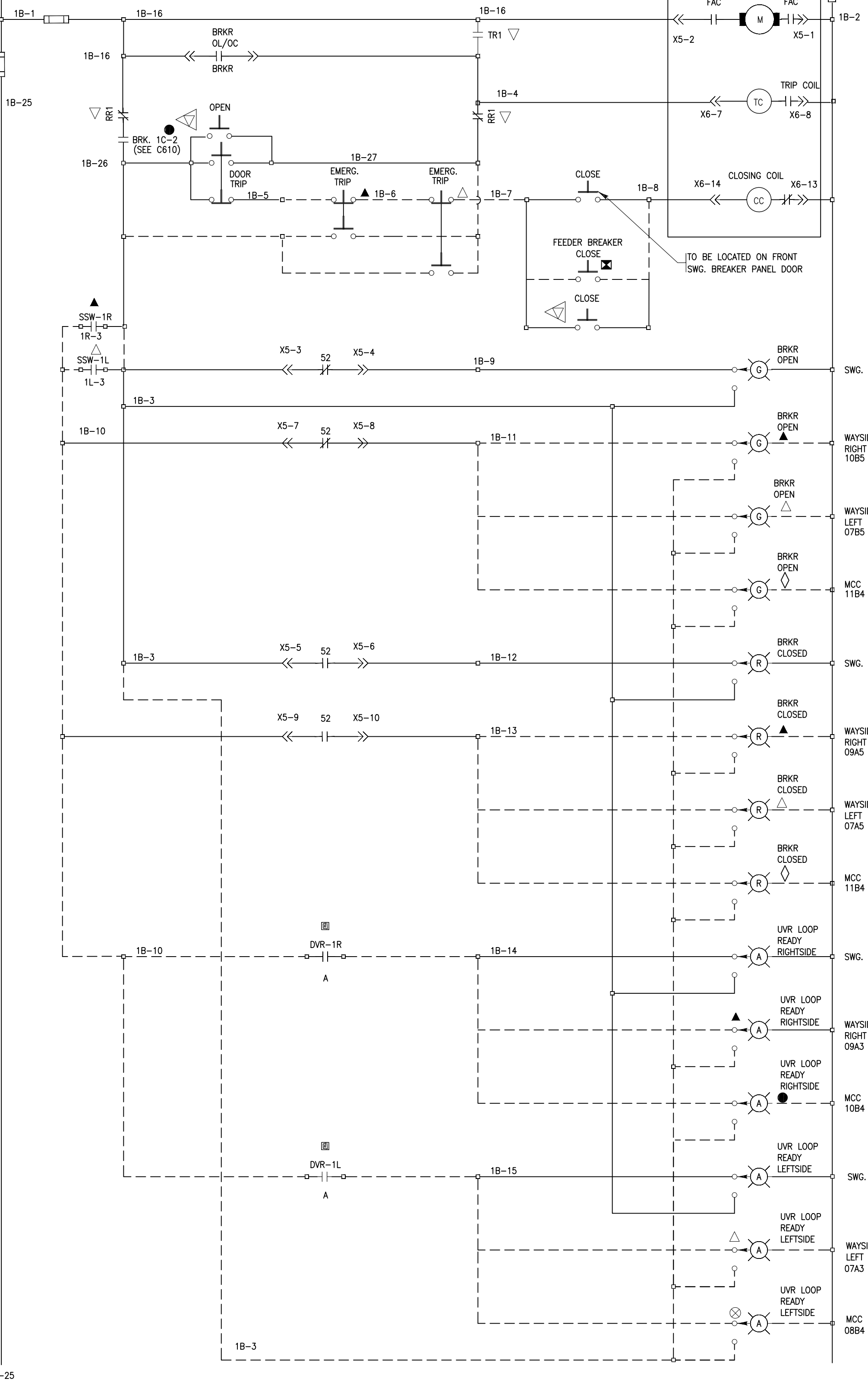
NOTE: THIS DRAWING IS PROVIDED FOR INSTRUCTIONAL DESIGN PURPOSES ONLY BASED ON METROLINK GO TRANSIT DESIGN GUIDELINES AND REQUIREMENTS. THE CONSULTANT SHALL VERIFY FOR LOCAL CODE COMPLIANCE, EXISTING SITE CONDITIONS AND INTER DISCIPLINARY DRAWING COORDINATION. ALL DIMENSIONS AND SPECIFICATIONS SHOULD BE VERIFIED BY CONSULTANT AND/OR CONTRACTOR BEFORE ACTUAL CONSTRUCTION BEGINS.

LEGEND

- DEVICE LOCATED IN RELAY PANEL
- ▲ DEVICE LOCATED IN WAYSIDE CONTROL PANEL RIGHT SIDE
- △ DEVICE LOCATED IN WAYSIDE CONTROL PANEL LEFT SIDE
- DEVICE LOCATED IN MCC RIGHT SIDE
- ⊗ DEVICE LOCATED IN MCC PANEL LEFT SIDE
- ⊠ DEVICE LOCATED IN WAYSIDE DS PANEL RIGHT SIDE
- ⊡ DEVICE LOCATED IN WAYSIDE DS PANEL LEFT SIDE
- ▼ DEVICE LOCATED ON SUBSTATION EXTERIOR IN FIREMAN'S EMERGENCY POWER OFF BOX
- ▽ DEVICE LOCATED IN FEPO CONTROL PANEL
- ◀ DEVICE LOCATED IN WAYSIDE CONTROL PANEL FIREMANS BOX
- ◁ DEVICE LOCATED IN REMOTE OPERATIONAL PANEL FOR MAIN FEEDER BREAKERS
- ◆ DEVICE LOCATED IN DC SUPPLY CABINET
- ◇ DEVICE LOCATED IN DVR PANEL
- ◆ DEVICE LOCATED IN TRANSFORMER PANEL
- TERMINAL LOCATED IN BREAKER COMPARTMENT
- INDICATE EXTERNAL WIRING

GENERAL NOTES:

1. CONSULTANTS ARE TO REVIEW ALL WIRE SIZING TO TAKE INTO ACCOUNT; DERATING AND 3% MAXIMUM VOLTAGE DROP FACTORS. WIRE SIZES ARE SUGGESTIONS ONLY!
2. COMPONENT CROSS REFERENCES SHOWN AS: XXXY WHERE "XX" REPRESENTS FINAL 2 DIGITS OF REFERENCE DRAWING # AND "YY" REPRESENTS QUADRANT LOCATION ON DWG. I.E. 02C1 = WSP-002 QUAD. C1
3. DEVICES NOT DESIGNATED BY LOCATION SYMBOL BELOW ARE LOCATED IN BREAKER COMPARTMENT.
4. PROVIDE A FEPO CONTROL BUTTON ON EACH WAYSIDE CABINET THAT WILL INTERRUPT POWER GOING TO ALL WAYSIDE CABINETS. THIS CONTROL CIRCUIT WILL SHUNT TRIP ALL 600VAC TRAIN BREAKER PLUS ALL 120VAC AND 120VDC SOURCES FEEDING THE WAYSIDE.
5. CONTACTS LABELED 52 ARE PLACE HOLDERS FOR THE CONTACTS TO BE PROVIDED BY THE MAIN SWITCH BOARD BREAKERS MANUFACTURER AND ARE TO BE PROPERLY IDENTIFIED ON THE AS BUILT DRAWINGS.
6. BREAKER AUX CONTACTS TO BE WIRED BACK TO MCC AND FED TO FEPO PANEL, BREAKER OPEN, BREAKER CLOSE PANELS (FINAL CONNECTION TO BE PART OF AS BUILT).
7. REFER TO ELECTRIFICATION STANDARDS AND SPECIFICATIONS FOR GROUNDING AND BONDING, EM/EMF WITHSTAND REQUIREMENTS, CABLING REQUIREMENTS.



CONTINUED ON EDD-W1-024

CONTINUED ON WSP-024

GO TRANSIT PROJECT NO. XXXXX

AutoCAD drawing: WSP-003.dwg Aug 15/18 12:25pm

REFERENCE DRAWINGS		ISSUE		REVISIONS		DRAWN BY:	DESIGNED BY:
MAR/2008	WSP-003			5	FEB. 2018	UPDATES AND ADDITIONS	
				4	DEC 2013	DISCLAIMER NOTE	
				3	MAR 2013	UPDATES AND ADDITIONS	
				2	JULY 2012	NOMENCLATURE REVISION	
				1	SEPT.2010	GENERAL REVISIONS	
DWG. NO.	TITLE	REV.	DATE	ISSUED FOR	REV.	DATE	

CHECKED BY:	APPROVED BY:	SCALE: N.T.S.	FULL SIZE ONLY
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XXXXXX
WAYSIDE POWER
TYPICAL 600V SWITCHGEAR
MAIN FEEDER BREAKER SCHEMATIC

CONTRACT NO. XXXXXXXXXXXX	DWG. NO. WSP-003	REV. 5	SHEET XX
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