

D SIZE 22" x 34" (558.8mm x 863.6mm)

ELECTRICAL ITEM LIST

METRIC

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

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| <p>1. SELECTOR SWITCH (SSW-1U) 4-POSITION, 14-CONTACT BLOCKS RATED 600V, 10AMP.A.C.CONTINUOUSLY, HANDLE OPERATOR WITH 60x60mm FRONT PLATE.
FOR CONTACT SWITCHING ARRANGEMENT AND SWITCHING DEGREE POSITION REFER TO SELECTOR SWITCH CONTACT DIAGRAM.
SELECTOR SWITCH HANDLE: SCHNEIDER #9003KBD1C
SELECTOR SWITCH CONTACT BLOCK: SCHNEIDER #9003K200026US</p> | <p>2. PUSHBUTTON STATION: PUSHBUTTON, MOMENTARY CONTACT, NORMALLY OPEN, AND NORMALLY CLOSED INDUSTRIAL OIL-TIGHT, LOW PROFILE FLUSH HEAD, BLACK COLOR, MOUNTED IN SINGLE GANG DIE CAST SURFACE MOUNTED BOX OR ON MCC FRONT.

ALLEN-BRADLEY 800T-1TD</p> | <p>24. POWER RECEPTACLE ASSEMBLY: PANEL MOUNTED POWER RECEPTACLE W/ ANGLE ADAPTER COVER & THREADED COVER 600V, 325A, NON-CIRCUIT BREAKING, FEMALE CONTACTS 3PH, 1GRD AND 4 - 120VDC CONTROL CONTACTS
POWER CONTACTS: 1-3 - 350MCM TELCOFLEX, 36" LONG
1 - 1/0 DLO CABLE FOR GRD, 48" LONG
CONTROL CONTACTS: 5-8 - 4S/C #12AWG XLPO, 118" LONG

CLEMMENTS NATIONAL #CN-GTPC-17-V118-V01</p> | <p>35. MOLDED CASE SWITCH, 600V, 400A, 3P
CABLE LUGS AS SHOWN ON DRAWING

CUTLER-HAMMER SWITCH #HKD3400W
CUTLER-HAMMER AUX. CONTACT #A2X3LTK
CUTLER-HAMMER LINE TERMINAL COVERS #TS33LN
CUTLER-HAMMER LOAD TERMINAL COVERS #TS33LD</p> |
| <p>2. SELECTOR SWITCH (SSW-1R AND SSW-1L) 4-POSITION, 6-CONTACT BLOCKS, RATED 600V, 10AMP.A.C.CONTINUOUSLY, KEY OPERATOR.
FOR CONTACT SWITCHING ARRANGEMENT AND SWITCHING DEGREE POSITION REFER TO SELECTOR SWITCH CONTACT DIAGRAM.

SCHNEIDER #XBCD10612S11</p> | <p>13. SELECTOR SWITCH (1L-SW1 AND 1R-SW1)
2 POSITION, SPRING RETURN FROM RIGHT,
1 NORMALLY OPEN, 1 NORMALLY CLOSED CONTACT

ALLEN-BRADLEY 800T-H5A</p> | <p>25. ENERGY MANAGEMENT CONTROL RECEPTACLE
PANEL MOUNTED POWER RECEPTACLE
W/ ANGLE ADAPTER COVER & THREADED COVER
600V, 30A, NON-CIRCUIT BREAKING
INSERT PATTERN WITH 7 #12 FEMALE CONTACTS
S/C #14AWG, XLPO
WIRES 1 & 4 TO BE CONNECTED TO TERMINALS
WIRES 2, 5 & 6 ARE PROVIDED BUT NOT CONNECTED TO TERMINALS

CLEMMENTS NATIONAL #CN-CP-011</p> | <p>36. MOLDED CASE BREAKER, 600V, 15AMP., 2P, 200000AMP.
SYMMETRICAL L.C. RATING AT 600V, C/W TWO
AUXILIARY SWITCHES.

CUTLER-HAMMER TYPE 'TRI-PAC', 'FB'</p> |
| <p>3. PUSHBUTTON MOMENTARY CONTACT, NORMALLY OPEN,
INDUSTRIAL OIL-TIGHT, FLUSH HEAD, CAP COLOR GREEN.

ALLEN-BRADLEY 800T-A1D1</p> | <p>14. SELECTOR SWITCH (L-SW2 AND R-SW2)
2 POSITION, MAINTAINED
1 NORMALLY OPEN, 1 NORMALLY CLOSED CONTACT

ALLEN-BRADLEY 800T-H2B</p> | <p>26. HEAVY DUTY TOGGLE SWITCH 250V D.C. 20AMP
DOUBLE POLE.
COOPER #AH1891-C</p> | <p>37. CONTACTOR, MAGNETIC, 600V, 3P, FVNR, EEMAC SIZE 6
(540AMP. CONTINUOUS RATING), C/W 120V A.C., 60Hz OPERATING
COIL. TWO N.O. & TWO N.C. AUXILIARY COIL CONTACTS

CUTLER-HAMMER NEMA CLASS, FREEDOM</p> |
| <p>4. PUSHBUTTON MOMENTARY CONTACT, NORMALLY OPEN, AND NORMALLY
CLOSED INDUSTRIAL OIL-TIGHT, FLUSH HEAD, CAP COLOR RED.

ALLEN-BRADLEY 800T-A6A</p> | <p>15. CONTROL RELAY, 120V DC COIL, C/W FIVE NORMALLY OPEN
AND THREE NORMALLY CLOSED CONTACTS.
(DR-1L, DR-1R)

ALLEN-BRADLEY 700DC-P800Z1</p> | <p>27. DUPLEX RECEPTACLE "CFCI" TYPE 125V, 15AMP
COOPER #XH6F15B C/W COVER ARROW HART #S1966
MOUNTED IN CAST FS BOX.</p> | <p>38. FUSE ASSEMBLY CONSISTING OF:

SEMICONDUCTOR FUSE 700 VOLT, 400 AMPERE
COMPLETE WITH TRIGGER OPERATOR.
FERRAZ #A70 P350-4TAEI
ADD ON SWITCH, SINGLE POLE DOUBLE THROW
WITH SCREW ON TYPE TERMINALS
FERRAZ #A0S-S.</p> |
| <p>5. "EMERGENCY TRIP" PUSHBUTTON GUARD

ALLEN-BRADLEY 800H-N140</p> | <p>16. LATCHING CONTROL RELAY, 120V AC COIL,
FOUR NORMALL OPEN CONTACTS (LR-1R, LR-1L)

ALLEN-BRADLEY 700-PL400-A1</p> | <p>28. FUSE HOLDER, 600V, 15AMP. A.C., 1P. FRONT CONNECTION,
SUITABLE FOR HRC FUSE TYPE 'GRS'.

FUSEHOLDER FERRAZ #RS20H
FUSE FERRAZ #C15N</p> | <p>39. EXTERIOR & INTERIOR LED LIGHT BOX
SMD MANUFACTURING AND DESIGN #LB95X45CW</p> |
| <p>6. PUSHBUTTON MOMENTARY CONTACT, NORMALLY OPEN, AND NORMALLY
CLOSED INDUSTRIAL OIL-TIGHT, FLUSH HEAD, CAP COLOR GREEN.

ALLEN-BRADLEY 800T-A1A</p> | <p>17. LATCHING CONTROL RELAY, 120V DC COIL,
TWO NORMALLY OPEN CONTACTS
ONE REQUIRED PER 120VDC POWER SUPPLY
(GA-L, GA-R)

ALLEN-BRADLEY 700DC-PL200Z1</p> | <p>29. LIGHT SWITCH, 15A, 120V DC,
SINGLE POLE, C/W COVER PLATE.
MOUNTED IN CAST FS BOX.

SCHNEIDER #2510-KS1</p> | <p>40. SPARE</p> |
| <p>7. EMERGENCY STOP PUSHBUTTON
1 NORMALLY OPEN, 1 NORMALLY CLOSED LATE BREAK
INDUSTRIAL OIL-TIGHT.

ALLEN-BRADLEY 800T-FX6A1</p> | <p>18. CONTROL RELAY, 120V DC COIL, C/W TWO
NORMALLY OPEN AND TWO NORMALLY CLOSED CONTACTS.
(DVR-1L, DVR-1R)

ALLEN-BRADLEY 700DC-P400Z1</p> | <p>30. DIRECT CURRENT DUAL TRIP ALARM,
0-5V, SINGLE INPUT, TWO DPDT SWITCHES
TRIP SET ADJUSTABLE 0-100%, LOW/LOW TRIP
FAIL SAFE. CSA APPROVED GENERAL ENCLOSURE
115V/60Hz PRIME POWER.

ROCHESTER INSTRUMENT #ET-1215-VD2-LLF-H1-N1-T2</p> | <p>41. EXTERIOR LED LIGHT STRIP WITHOUT PHOTOCELL
SMD MANUFACTURING AND DESIGN #LS765X1CW</p> |
| <p>8. AC/DC INDICATING LIGHT, 130V PUSH TO TEST LIGHT,
WITH RED LENS, INDUSTRIAL OIL TIGHT

ALLEN-BRADLEY 800T-QH13R</p> | <p>19. OVERVOLTAGE RELAY, ELECTRONIC TYPE
RANGE OF ADJUSTMENT 30 - 300V DC, SET
TO PICK UP AT 150 VOLTS.
(OVI-1L, OVI-1R)

TELEMECHANIQUE #RM4UA33MW</p> | <p>31. 15 OHM, 2 WATT RESISTOR

RELAY SOCKET: OMRON #H3CR-A-AC100-240/DC100-125
RELAY BASE: OMRON #P2CF-11</p> | <p>42. EXTERIOR LED STRIP LIGHT WITH TRANSFORMER

TDG #120-900-0120</p> |
| <p>9. AC/DC INDICATING LIGHT, 130V PUSH TO TEST LIGHT,
WITH AMBER LENS, INDUSTRIAL OIL TIGHT

ALLEN-BRADLEY 800T-QH13A</p> | <p>20. TIMER RELAY, 120V AC/DC SUPPLY VOLTAGE
* AMP CAPACITY VARIES WITH THE NUMBER OF WAYSIDE TRAINS
(FR-1R, TR-1L, TR-1R)

RELAY SOCKET: ALLEN BRADLEY #700-HF33A1
RELAY BASE: ALLEN BRADLEY #700-HN138</p> | <p>32. CONTROL WIRE TERMINALS, 600V A.C., 36AMP., SUITABLE
FOR WIRE SIZE FROM 22 - 10AWG, C/W NECESSARY
HARDWARE, MOUNTING CHANNEL, END BRACKETS AND
JUMPERS AS REQUIRED.

WEIDMULLER TYPE SAK4 1283.6
ASK1-LD, 2254.6</p> | <p>43. CONTACTOR, 120VAC COIL, 1 NO
CONTACT, ALLEN BRADLEY
#100-C37D10 (CT)</p> |
| <p>10. AC/DC INDICATING LIGHT, 130V PUSH TO TEST LIGHT
WITH GREEN LENS, INDUSTRIAL OIL TIGHT

ALLEN-BRADLEY 800T-QH13G</p> | <p>21. CONTROL RELAY, 120V AC COIL
3 NORMALLY OPEN CONTACTS
(RRx, TRx IN FEPO)

RELAY SOCKET: ALLEN BRADLEY #700-P200A1
RELAY BASE: ALLEN BRADLEY #700-P200A1</p> | <p>33. CONTROL TRANSFORMER, 5KVA, 600-120V/240V, 1PH, 60Hz.

HAMMOND PT TYPE</p> | <p>44. SPARE</p> |
| <p>11. AC/DC INDICATING LIGHT, 130V PUSH TO TEST LIGHT
WITH WHITE LENS, INDUSTRIAL OIL TIGHT

ALLEN-BRADLEY 800T-QH13W</p> | <p>22. CONTROL RELAY, 120V AC COIL
2 NORMALLY OPEN CONTACTS
(RRP, REX IN FEPO)

ALLEN BRADLEY #700-P400A1</p> | <p>34. PUSHBUTTON MOMENTARY CONTACT, NORMALLY OPEN, AND NORMALLY
CLOSED INDUSTRIAL OIL-TIGHT, FLUSH HEAD, CAP COLOR BLACK.

ALLEN-BRADLEY 800T-A2A</p> | <p>45. SPARE</p> |

PLEASE READ

EQUIPMENT, CABLE, AND WIRE PREFIX NUMBERS SHOWN ARE FOR TRAIN No.1 ONLY. PREFIX NUMBERS FOR ADDITIONAL TRAINS ARE TO BE CHANGED TO CORRESPONDING TRAIN NUMBER.

- 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: XYY WHERE "XX" REPRESENTS FINAL 2 DIGITS OF REFERENCE DRAWING # AND "YY" REPRESENTS QUADRANT LOCATION ON DWG. I.E. 02C1 = WSP-002 QUAD. C1
 3. ALL STORAGE ENCLOSURE DOOR LOCKS AND CONTROL PANEL CABINET DOOR LOCKS SHALL HAVE THE SAME LOCKS SUITABLE FOR THE OPERATION WITH ONE MASTER KEY - # LF TELFORD 92304.
 4. ENCLOSURE DOOR HANDLES SHALL HAVE A LOCKING "T" HANDLE

LOEWE & FLETCHER #1617-51-2 TYPE 78
 5. ALL CONTROL SELECTOR SWITCHES SHALL HAVE THE SAME LOCKS SUITABLE FOR THE OPERATION WITH ONE MASTER KEY - # D018.
 6. REFER TO ELECTRIFICATION STANDARDS AND SPECIFICATIONS FOR GROUNDING AND BONDING, EMI/EMF WITHSTAND REQUIREMENTS, CABLING REQUIREMENTS.

NOTE:
THIS DRAWING IS TO BE USED ONLY AS A REFERENCE DRAWING FOR EXISTING INSTALLATIONS AND EXPANSION OF EXISTING EQUIPMENT AS NECESSARY. NOT TO BE USED IN NEW DESIGNS.

NOTE:
THIS DRAWING IS PROVIDED FOR INSTRUCTIONAL DESIGN PURPOSES ONLY BASED ON METROLINX 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.

GO TRANSIT PROJECT NO. XX

	REFERENCE DRAWINGS	ISSUE	REVISIONS	DRAWN BY: XX XX	DESIGNED BY: XX XX			XXXXXX	WAYSIDE POWER	ELECTRICAL ITEM LIST & GENERAL NOTES	
				CHECKED BY: XX XX	APPROVED BY: XX XX						
				SCALE: N.T.S.	FULL SIZE ONLY						
DWG NO.	TITLE	REV.	DATE	ISSUED FOR	REV.	DATE			CONTRACT NO. XX	DWG. NO. WSP-133	REV. 0

Aug 15, 2018, 12:33pm, Login name: orade0669
 Drawing Name: C:\Users\orade0669\Desktop\WSP-133.dwg