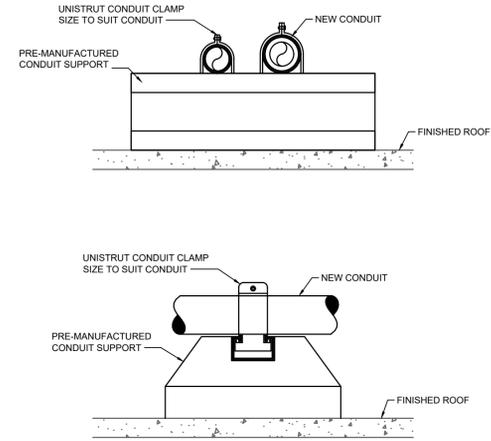
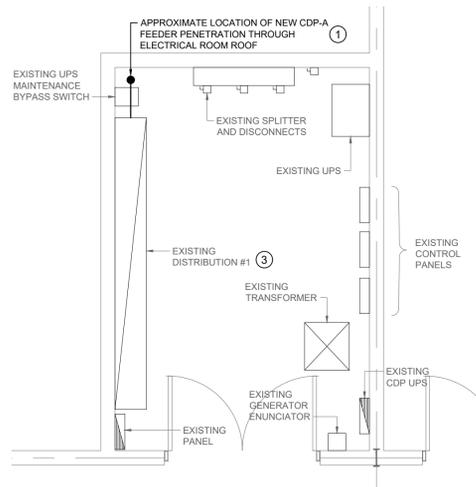


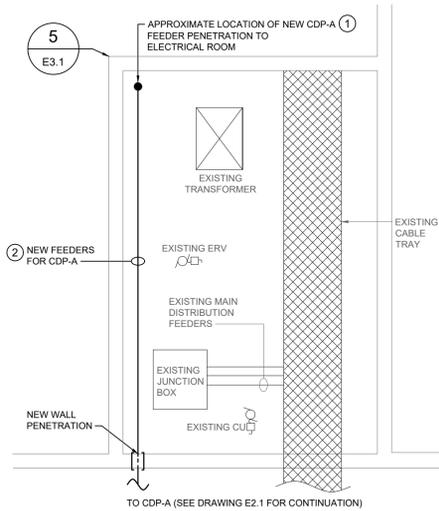
**1** TYPICAL ROOF RECEPTACLE AND DISCONNECT MOUNTING DETAIL  
E3.1 SCALE: NTS



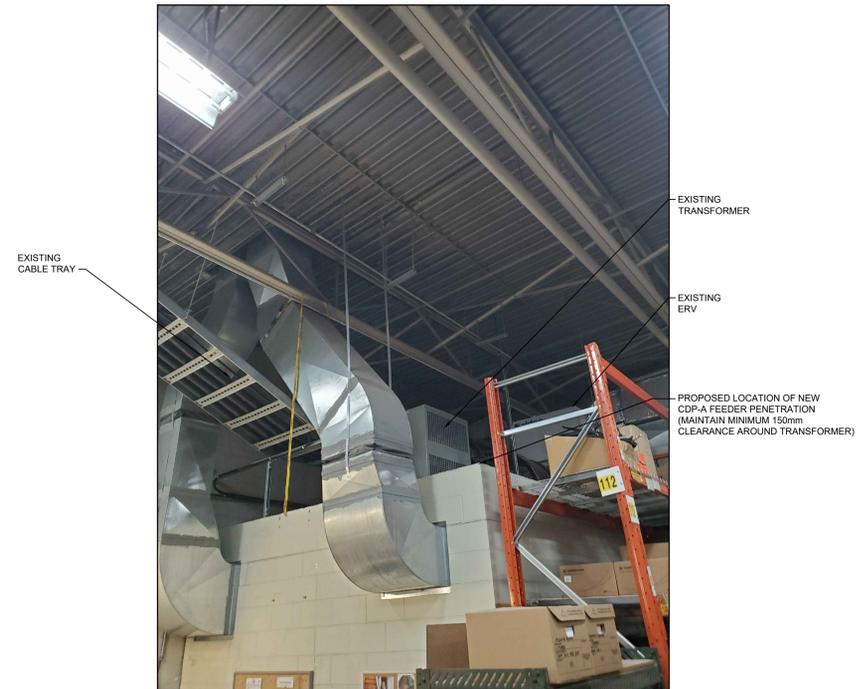
**2** TYPICAL ROOF CONDUIT SUPPORT DETAIL  
E3.1 SCALE: NTS



**3** LARGE SCALE ELECTRICAL ROOM  
E3.1 SCALE: 1/4" = 1'-0"



**4** LARGE SCALE ELECTRICAL ROOM ROOF  
E3.1 SCALE: 1/4" = 1'-0"



**5** EXISTING ELECTRICAL ROOM ELEVATION  
E3.1 SCALE: NTS

**GENERAL NOTES**

- A. CONTRACTOR TO DETERMINE EXACT CABLE ROUTES ON SITE. WHERE POSSIBLE FOLLOW EXISTING CABLE ROUTES THROUGH BUILDING. RE-USE EXISTING OPENINGS AND PENETRATIONS TO ROUTE CABLES. PROVIDE NEW PENETRATIONS WHERE EXISTING CANNOT BE RE-USED. SEAL ALL PENETRATIONS.
- B. DRAWINGS SHOW ONLY A GENERAL SCHEMATIC OF NEW AND SOME EXISTING SYSTEMS. ROUTING CONDUITS AND/OR CABLES AND LOCATIONS SHALL SUIT SITE CONDITIONS AND MAY HAVE TO BE CHANGED TO AVOID CONFLICT WITH EXISTING STRUCTURE AND SERVICES. WHEN A CONFLICT CANNOT BE AVOIDED, THE EXISTING SERVICES SHALL BE MODIFIED AS REQUIRED.
- C. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS WITH FIRE STOP MATERIAL AS REQUIRED TO MAINTAIN ASSEMBLY RATING.

**KEY NOTES**

- 1. NEW CDP-A FEEDERS FROM DISTRIBUTION #1 TO RISE UP TO ROOF OF ELECTRICAL ROOM IN APPROXIMATE LOCATION SHOWN. DETERMINE EXACT ROUTING/PENETRATION LOCATION ON SITE AND ADJUST ACCORDINGLY. DISCONNECT, RELOCATE AND RECONNECT EXISTING CABLES, CONDUIT, EQUIPMENT, ETC. AS REQUIRED TO ROUTE NEW FEEDERS. FIRE STOP/SEAL ALL PENETRATIONS.
- 2. CONTRACTOR TO DETERMINE EXACT FEEDER ROUTE ON SITE. ROUTE FEEDERS ALONG/ ABOVE ROOF OF ELECTRICAL ROOM TO SERVICE AREA. ENSURE CLEARANCES ARE MAINTAINED IN FRONT OF EXISTING TRANSFORMER. PROVIDE ADDITIONAL RACKING, SUPPORTS, ETC. COORDINATE EXACT PENETRATIONS/SLEEVE LOCATIONS ON SITE. UTILIZE NEW CABLE TRAY ON THE SERVICE AREA SIDE OF WALL TO ROUTE CABLES TO CDP-A. FIRE STOP/ SEAL ALL PENETRATIONS.
- 3. PROVIDE NEW 600A-3P-1SI BREAKER C/W DIGITAL METER FOR CDP-A. BREAKER TO MATCH EXISTING IN ALL RESPECTS. TRIP SETTINGS SHALL BE ADJUSTED BASED ON COORDINATION STUDY.

4			
3			
2			
1			
0	ISSUED FOR CONSTRUCTION	AS	07/06/22
NO.	Description	BY	DDMMYY

**ENGINEERS  
GEOSCIENTISTS  
MAINTENANCE**  
Certificate of Authorization  
**SMS Engineering Ltd.**  
No. 166



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770 Bradford Street Winnipeg, Canada (204) 775-0291  
20-349-01



**Winnipeg Transit**

Project Title  
**TRANSIT MAINTENANCE AND REPAIR BUILDING MECHANICAL UPGRADE - WEST HIGH BAY**  
WINNIPEG MANITOBA

Drawing Title  
**ELECTRICAL DETAILS**

Drawn By	WPD	Checked By	CRM	Approved By	AS
Scale	1/16"=1'-0"	Date	JUNE 2022	Project No.	20-349-01
Revision Number	0	Drawing Number	E3.1	Sheet Order	5 OF 6