

**NOTES:**

1. PROVIDE WEATHERPROOF GFI RECEPTACLE MOUNTED ON PEDESTAL SUPPORT AS DETAILED ON THE ARCHITECTURAL DRAWINGS. MINIMUM MOUNTING HEIGHT IS 750mm. COORDINATE EXACT LOCATION ON-SITE.
2. COORDINATE EXACT BIN COOLER, BALER, BIN WASHER AND COMPACTOR REQUIREMENTS WITH MANUFACTURER'S SHOP DRAWINGS.
3. DOOR CONTROLS SUPPLIED WITH DOOR INSTALLED UNDER THIS CONTRACT. DOOR SAFETIES SUPPLIED AND INSTALLED BY DOOR INSTALLER.

0 ISSUED FOR TENDER

revisions date

project project

**SOLID WASTE  
MANAGEMENT  
CENTRE**

Springhill, NS

drawing design

**ELECTRICAL  
POWER, TELECOM  
AND SYSTEMS PLAN**

designed MRM comp

date JUNE 2012

drawn MRM dessin

date JUNE 2012

approved approuvé

date

Tender 2014.08.11

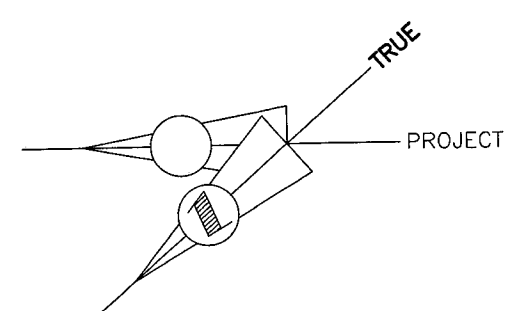
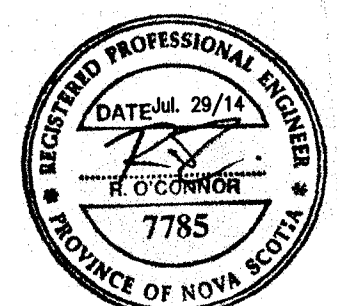
PWSC Project Manager Administrateur de projet TPSC

project number no. du projet

**R.043944.002**

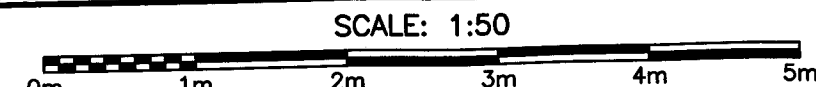
drawing no. no. du dessin

**E2**

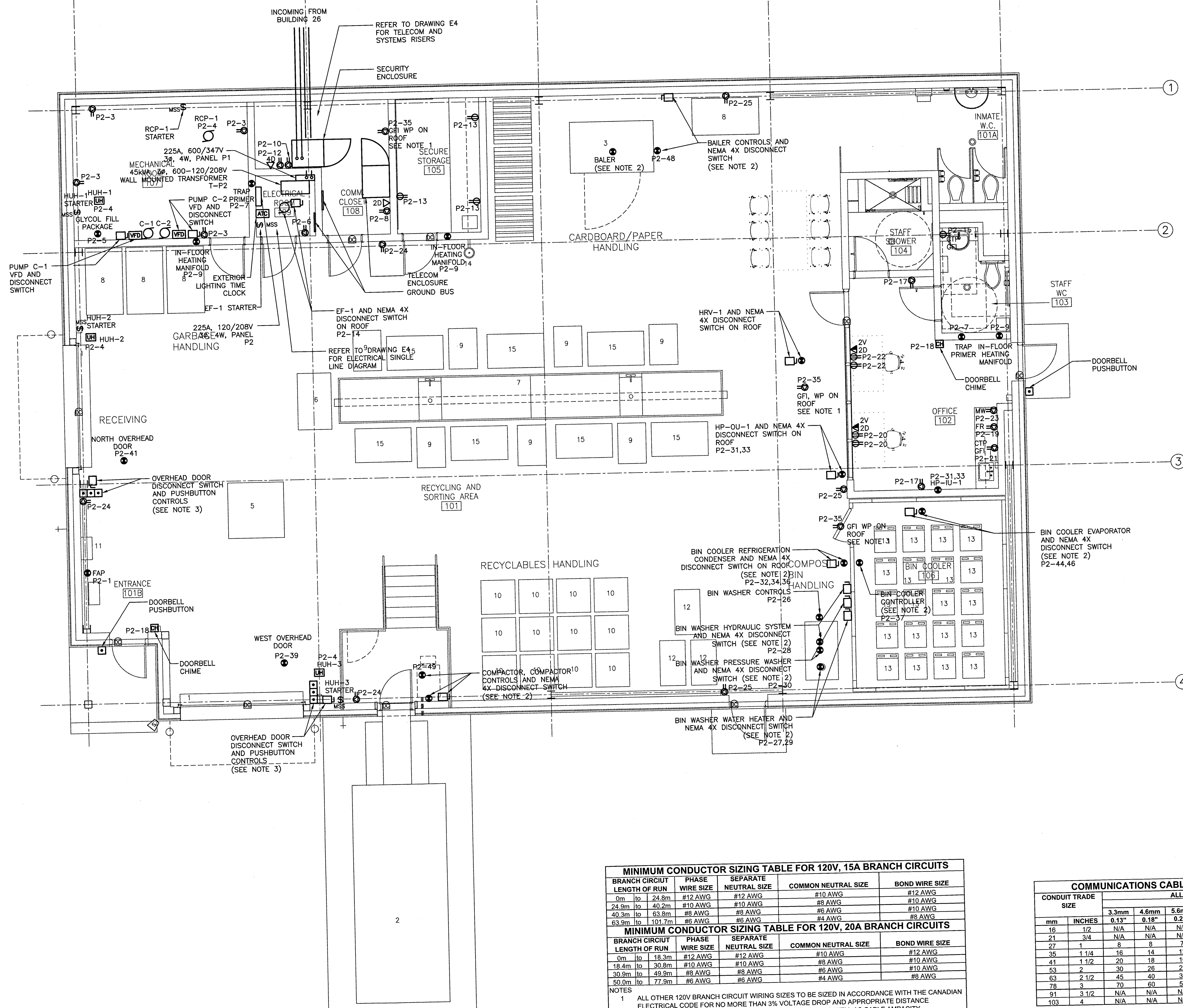


**FLOOR PLAN**

SCALE: 1:50



**1  
E2**



MINIMUM CONDUCTOR SIZING TABLE FOR 120V, 15A BRANCH CIRCUITS					
BRANCH CIRCUIT LENGTH OF RUN	PHASE	SEPARATE WIRE SIZE	SEPARATE NEUTRAL SIZE	COMMON NEUTRAL SIZE	BOND WIRE SIZE
0m to 24.8m	#12 AWG	#12 AWG	#12 AWG	#12 AWG	#12 AWG
24.8m to 40.2m	#10 AWG	#10 AWG	#10 AWG	#10 AWG	#10 AWG
40.2m to 63.9m	#8 AWG	#8 AWG	#8 AWG	#8 AWG	#8 AWG
63.9m to 101.7m	#6 AWG	#6 AWG	#6 AWG	#6 AWG	#6 AWG

MINIMUM CONDUCTOR SIZING TABLE FOR 120V, 20A BRANCH CIRCUITS					
BRANCH CIRCUIT LENGTH OF RUN	PHASE	SEPARATE WIRE SIZE	SEPARATE NEUTRAL SIZE	COMMON NEUTRAL SIZE	BOND WIRE SIZE
0m to 18.3m	#12 AWG	#12 AWG	#12 AWG	#12 AWG	#12 AWG
18.3m to 30.9m	#10 AWG	#10 AWG	#10 AWG	#10 AWG	#10 AWG
30.9m to 49.8m	#8 AWG	#8 AWG	#8 AWG	#8 AWG	#8 AWG
49.8m to 77.9m	#6 AWG	#6 AWG	#6 AWG	#6 AWG	#6 AWG

NOTES  
1. ALL OTHER 120V BRANCH CIRCUIT WIRING SIZES TO BE SIZED IN ACCORDANCE WITH THE CANADIAN ELECTRICAL CODE FOR NO MORE THAN 3% VOLTAGE DROP AND APPROPRIATE DISTANCE CORRECTION FACTORS IN ACCORDANCE WITH TABLE D3 AS WELL AS CABLE AMPACITY CORRECTION FACTORS SPECIFIED IN TABLE 5C.

COMMUNICATIONS CABLE/CONDUIT CAPACITY TABLE									
CONDUIT TRADE SIZE		ALLOWABLE QUANTITY OF CABLES							
		CABLE OUTSIDE DIAMETER							
mm	INCHES	3.3mm	4.6mm	5.6mm	6.1mm	7.4mm	7.9mm	9.4mm	13.5mm
16	1/2	0.13"	0.18"	0.22"	0.24"	0.29"	0.31"	0.37"	0.53"
21	3/4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
27	1	8	8	7	9	3	3	2	1
35	1 1/4	16	14	12	10	6	4	3	1
41	1 1/2	20	18	16	15	7	6	4	2
53	2	30	28	22	20	14	12	7	4
63	2 1/2	45	40	36	30	17	14	12	6
78	3	70	60	50	40	20	20	17	7
91	3 1/2	N/A	N/A	N/A	N/A	N/A	N/A	22	12
103	4	N/A	N/A	N/A	N/A	N/A	N/A	30	14