



MCW Consultants Ltd.

Site Instruction

Date: November 28, 2017

Queen's Quay Terminal
207 Queen's Quay West, Suite 615
Toronto, Ontario M5J 1A7

Phone (416) 598-2920
Fax (416) 598-5394
www.mcw.com

Project Name: AQUAVISTA - Bayside

Client: TRIDEL Corporation

To: TRIDEL Corporation

Attention: Chadi Loza

Fax number: -

Project 8489D

No.:

SI No.: E 034

Page No.: 1 of 1+ 1 attached

Office: Toronto

From: Farhana

Lina/Sunanda Perera

Distribution: Vince Mirarchi –TRIDEL
Chadi Loza - TRIDEL
Christina Lee -KIRKOR
Al Medeiros –MCW
Michael Hunter-MCW
Mark Furtado-MCW
Sarfraz H. Jaffrey-MCW

Provide itemized labour, equipment and material costs for Work listed below. Do not proceed with any of the listed Work prior to issuance of signed Change Order.

Title: Revision – PV System

Specification:

Spec	Issued	Items
		N/A

Electrical:

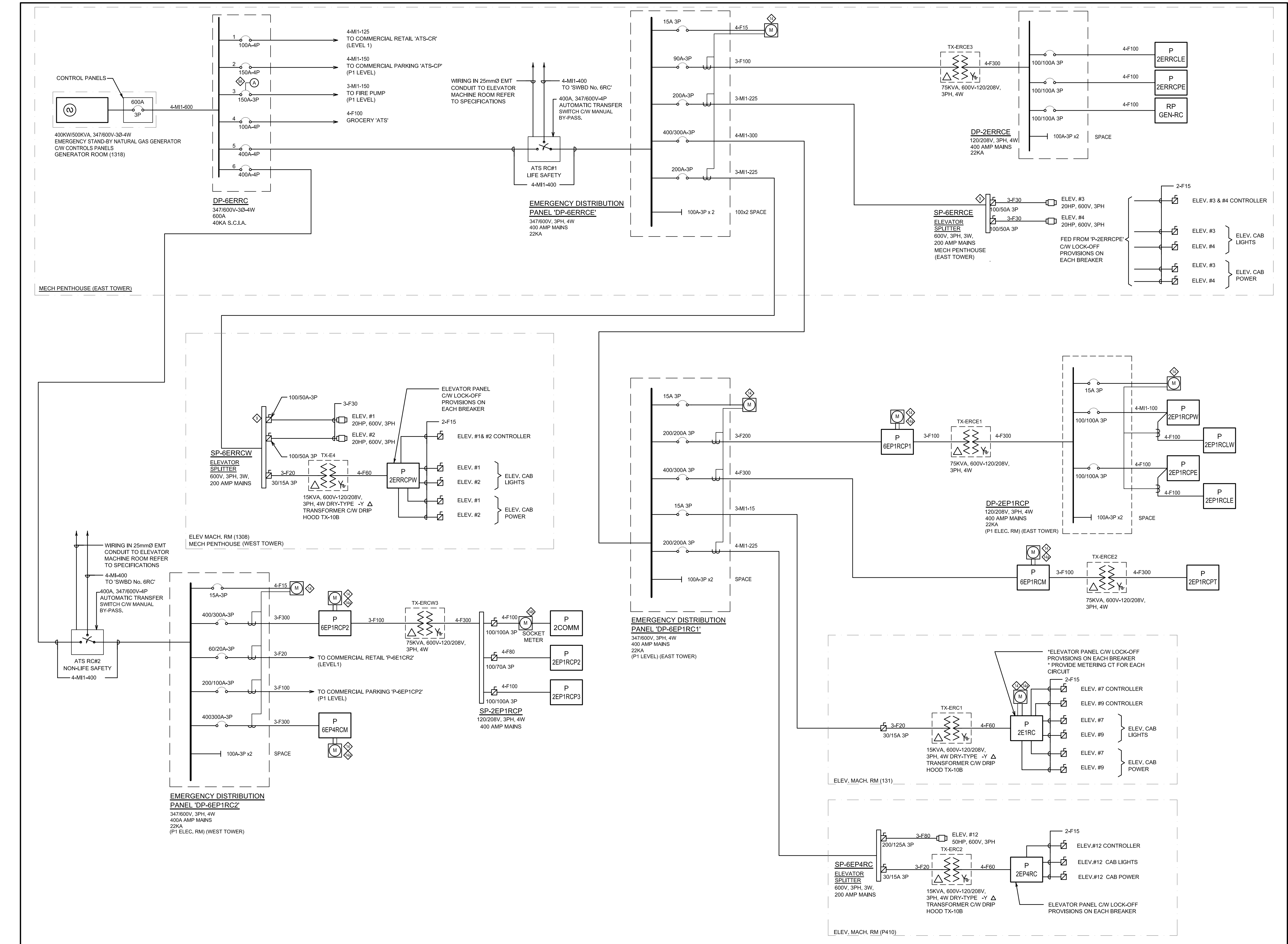
Drawing No.	Drawing Issued	Items
E3-01-RC	Yes	Add 50A, 3P breaker on panel DP-6RRCE and 60A, 3P utility isolation disconnect for the PV Inverter connection as shown on the drawing.

ME Schedule:

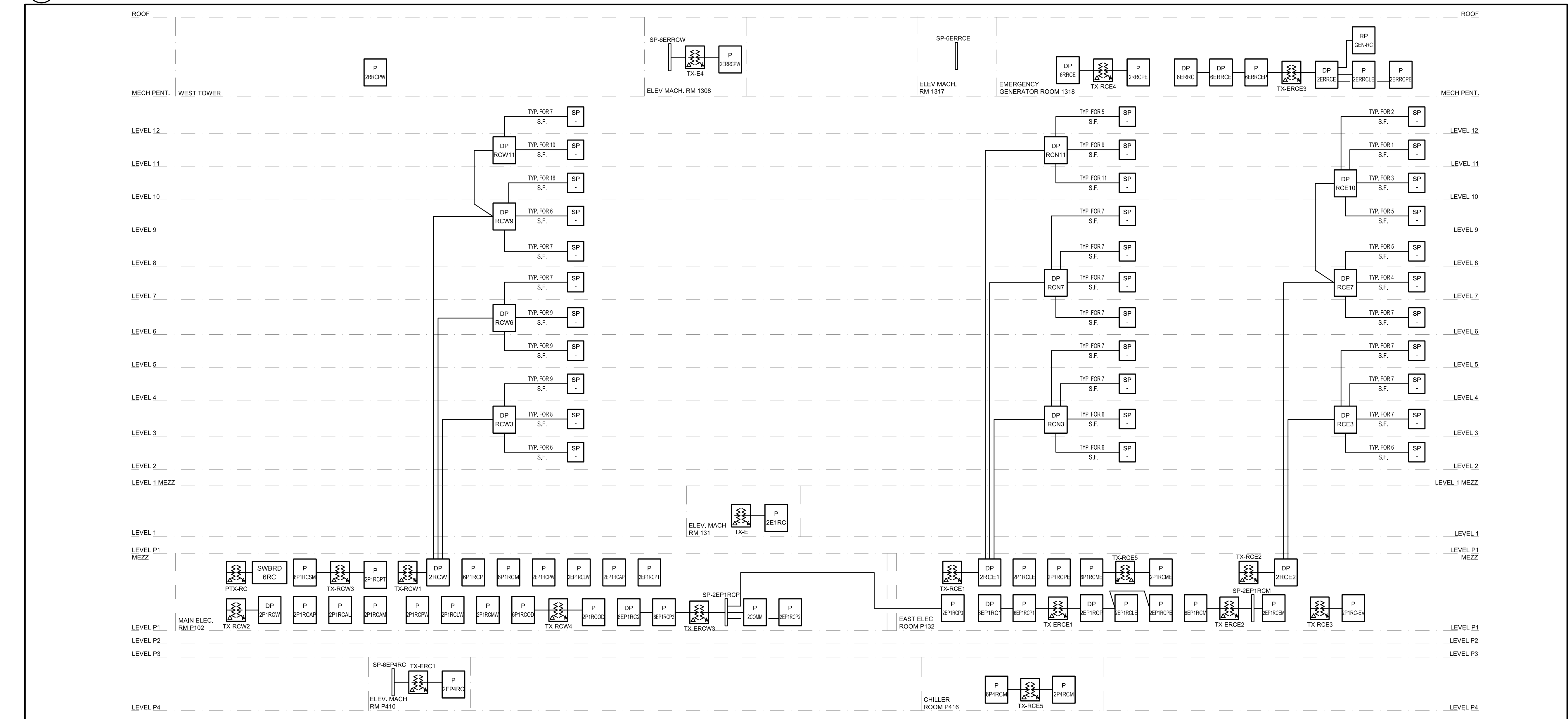
Drawing No.	Drawing Issued	Items
		N/A.

Reason for Issue – Owners Requirement.

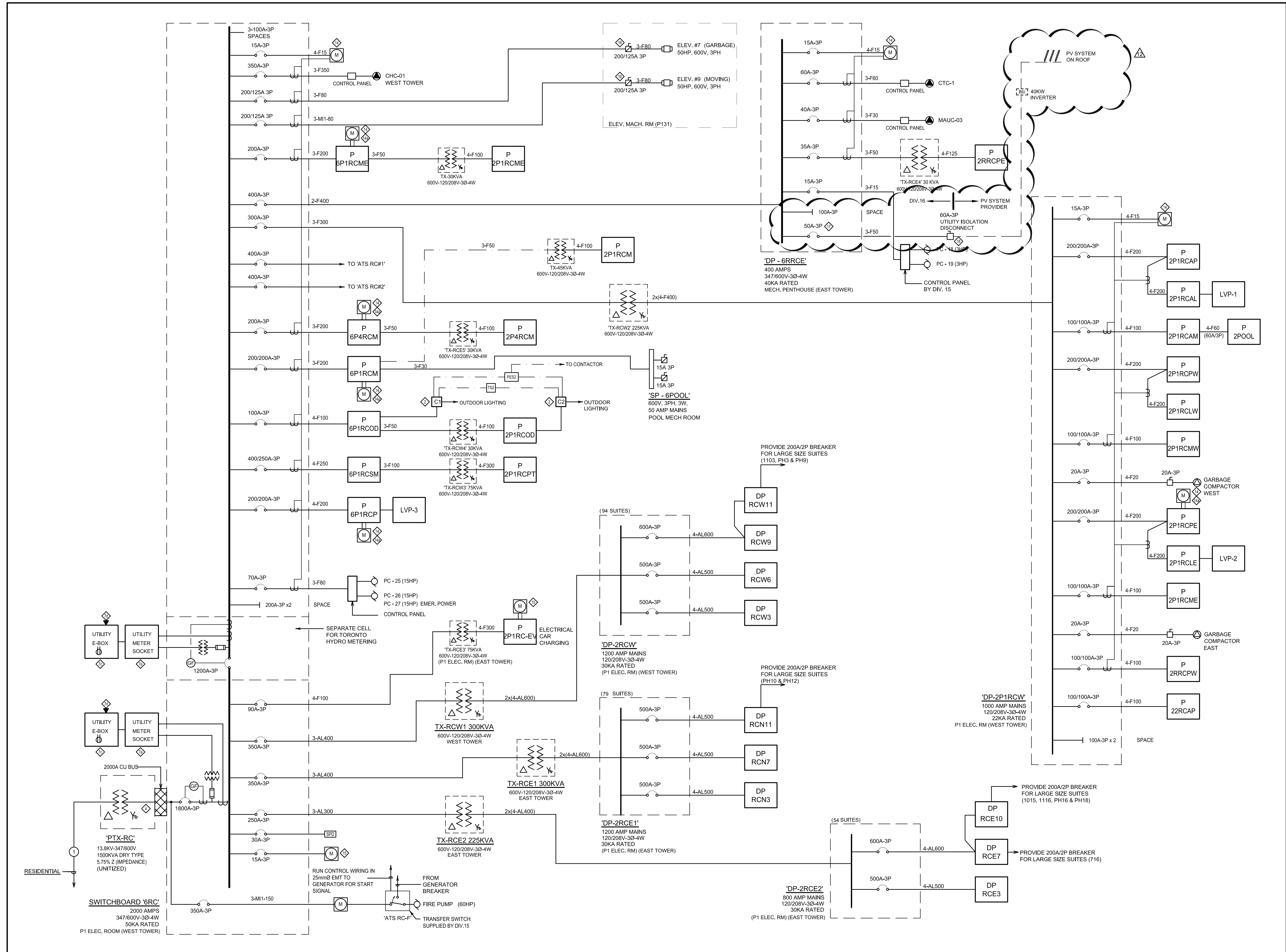
End of SI-E034



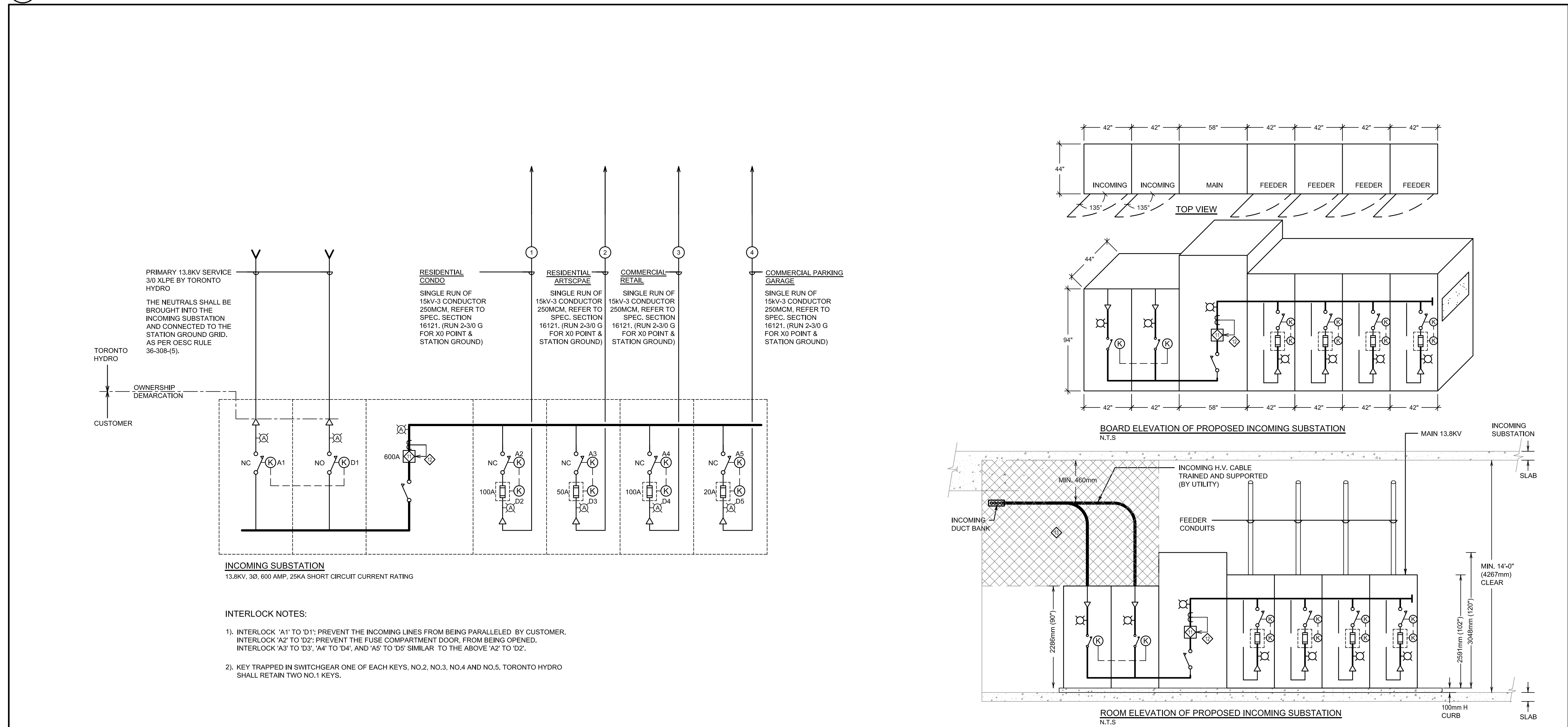
RESIDENTIAL CONDO EMERGENCY POWER DISTRIBUTION SINGLE LINE DIAGRAM
N.T.S.



RESIDENTIAL CONDO POWER DISTRIBUTION RISER DIAGRAM
N.T.S.



RESIDENTIAL CONDO NORMAL POWER DISTRIBUTION SINGLE LINE DIAGRAM
N.T.S.



INCOMING SUBSTATION RISER DIAGRAM
N.T.S.

600V 2 HOUR FIRE RATED M CABLE SCHEDULE
AS MANUFACTURED BY PYROTECH

SINGLE CONDUCTOR	TWO CONDUCTORS				THREE CONDUCTORS				FOUR CONDUCTORS			
	MAX BREAKER SIZE	REF	WIRE SIZE	AMP	MAX BREAKER SIZE	REF	WIRE SIZE	AMP	MAX BREAKER SIZE	REF	WIRE SIZE	AMP
15	F35	#12	25	35	F35	#10	35	50	F35	#8	50	75
20	F40	#10	35	50	F40	#8	50	75	F40	#6	75	100
25	F45	#8	50	75	F45	#6	75	100	F45	#4	100	125
30	F50	#6	75	100	F50	#4	100	125	F50	#3	125	150
35	F55	#4	100	125	F55	#3	125	150	F55	#2	150	200
40	F60	#3	125	150	F60	#2	150	200	F60	#1	200	250
45	F65	#2	150	200	F65	#1	200	250	F65	#0	250	300
50	F70	#1	200	250	F70	#0	250	300	F70	#0	300	350
55	F75	#0	250	300	F75	#0	300	350	F75	#0	350	400
60	F80	#0	300	350	F80	#0	350	400	F80	#0	400	450
65	F85	#0	350	400	F85	#0	400	450	F85	#0	450	500
70	F90	#0	400	450	F90	#0	450	500	F90	#0	500	550
75	F95	#0	450	500	F95	#0	500	550	F95	#0	550	600
80	F100	#0	500	550	F100	#0	550	600	F100	#0	600	650
85	F105	#0	550	600	F105	#0	600	650	F105	#0	650	700
90	F110	#0	600	650	F110	#0	650	700	F110	#0	700	750
95	F115	#0	650	700	F115	#0	700	750	F115	#0	750	800
100	F120	#0	700	750	F120	#0	750	800	F120	#0	800	850

NOTE
 * WIRING IS BASED ON 3 CONDUCTORS SUPPLYING CURRENT TO THE
 LOAD-OTHER CONDUCTOR USED AS NEUTRAL OR FOR CONTROL SIGNAL.
 DERATING FACTORS SHALL APPLY IF 4TH CONDUCTOR IS USED AS
 CURRENT CARRYING CONDUCTOR.

UPDATED JAN. 2015.

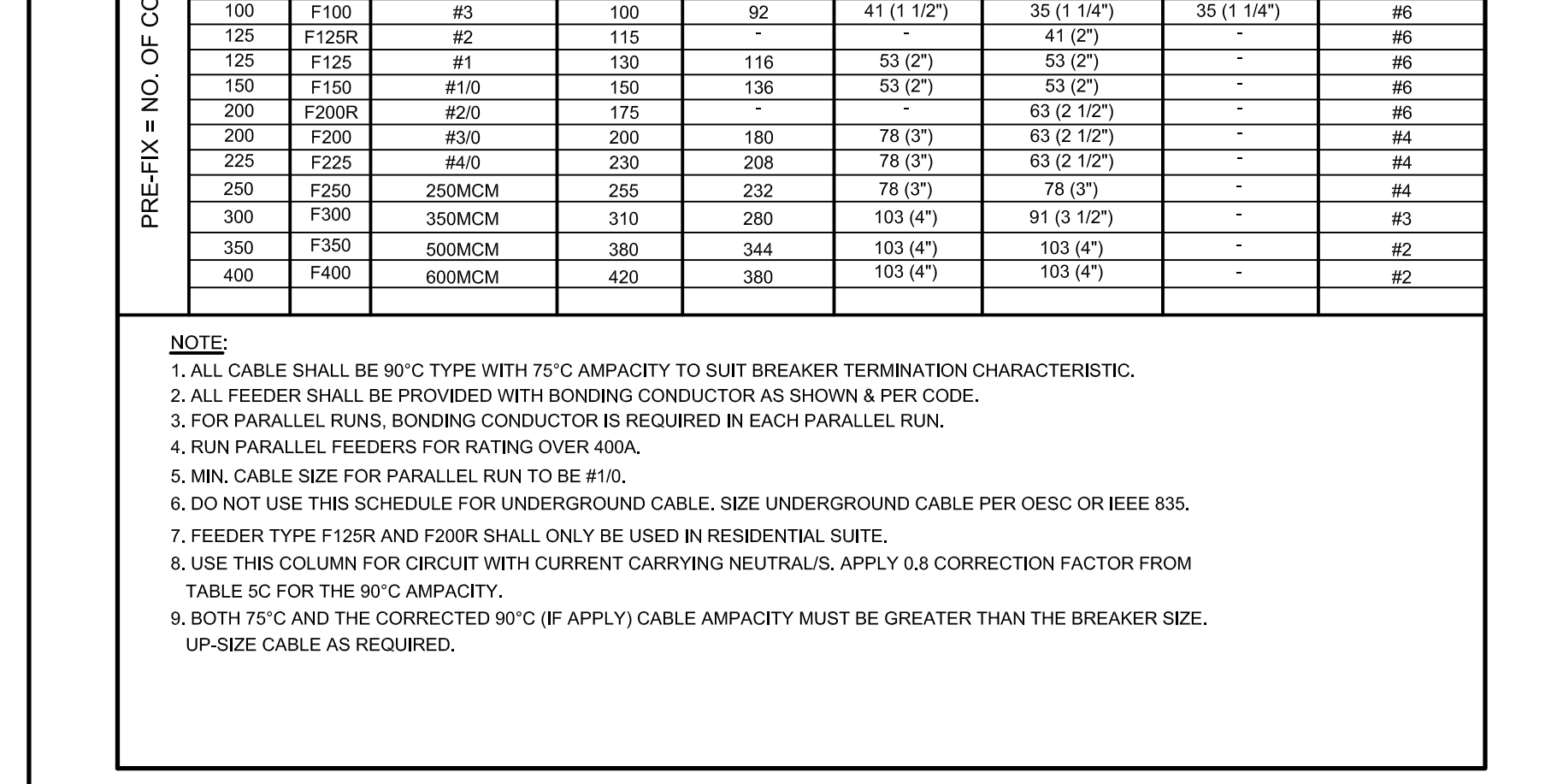
CABLE & CONDUIT SCHEDULE - ALUM
N.T.S.

MAX BREAKER SIZE	REF	WIRE SIZE	AMP	CORRECTED WIRE SIZE	CONDUIT SIZE	BONDING CONDUCTOR
15	F35	#12	25	35	3/4"	#12
20	F40	#10	35	50	1"	#10
25	F45	#8	50	75	1 1/4"	#8
30	F50	#6	75	100	1 1/2"	#6
35	F55	#4	100	125	2"	#4
40	F60	#3	125	150	2 1/4"	#3
45	F65	#2	150	200	3"	#2
50	F70	#1	200	250	3 1/2"	#1
55	F75	#0	250	300	4"	#0
60	F80	#0	300	350	4 1/2"	#0
65	F85	#0	350	400	5"	#0
70	F90	#0	400	450	5 1/2"	#0
75	F95	#0	450	500	6"	#0
80	F100	#0	500	550	6 1/2"	#0
85	F105	#0	550	600	7"	#0
90	F110	#0	600	650	7 1/2"	#0
95	F115	#0	650	700	8"	#0
100	F120	#0	700	750	8 1/2"	#0

CABLE & CONDUIT SCHEDULE - COPPER
N.T.S.

MAX BREAKER SIZE	REF	WIRE SIZE	AMP	CORRECTED WIRE SIZE	CONDUIT SIZE	BONDING CONDUCTOR
15	F35	#12	25	35	3/4"	#12
20	F40	#10	35	50	1"	#10
25	F45	#8	50	75	1 1/4"	#8
30	F50	#6	75	100	1 1/2"	#6
35	F55	#4	100	125	2"	#4
40	F60	#3	125	150	2 1/4"	#3
45	F65	#2	150	200	3"	#2
50	F70	#1	200	250	3 1/2"	#1
55	F75	#0	250	300	4"	#0
60	F80	#0	300	350	4 1/2"	#0
65	F85	#0	350	400	5"	#0
70	F90	#0	400	450	5 1/2"	#0
75	F95	#0	450	500	6"	#0
80	F100	#0	500	550	6 1/2"	#0
85	F105	#0	550	600	7"	#0
90	F110	#0	600	650	7 1/2"	#0
95	F115	#0	650	700	8"	#0
100	F120	#0	700	750	8 1/2"	#0

FEEDER SCHEDULES AND NOTES
N.T.S.



FEEDER SCHEDULES AND NOTES
N.T.S.

Contractor Must Check And Verify All Dimensions On The Job.
On Not Scale The Drawing.
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This Drawing Is Not To Be Used For Construction Work Signed By The Architect.
Date: 03/09/15

M.C.W. CONSULTANTS LTD.
207 Queen's Quay West, Suite 615, Toronto, ON, M5H 1A7
Tel: 416-593-0333 Fax: 416-593-0334
Toronto Vancouver Calgary Montreal Ottawa Halifax
(English Version: See Page 10)

No.	Revision	Date
1	ISSUED FOR ADD E-001	2017/01/10
2	ISSUED FOR ADD E-002	2017/01/10
3	ISSUED FOR ADD E-003	2017/01/10
4	ISSUED FOR ADD E-004	2017/01/10
5	ISSUED FOR ADD E-005	2017/01/10
6	ISSUED FOR ADD E-006	2017/01/10
7	ISSUED FOR ADD E-007	2017/01/10
8	ISSUED FOR ADD E-008	2017/01/10
9	ISSUED FOR ADD E-009	2017/01/10
10	ISSUED FOR ADD E-010	2017/01/10
11	ISSUED FOR ADD E-011	2017/01/10
12	ISSUED FOR ADD E-012	2017/01/10

FEEDER SCHEDULES AND NOTES
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