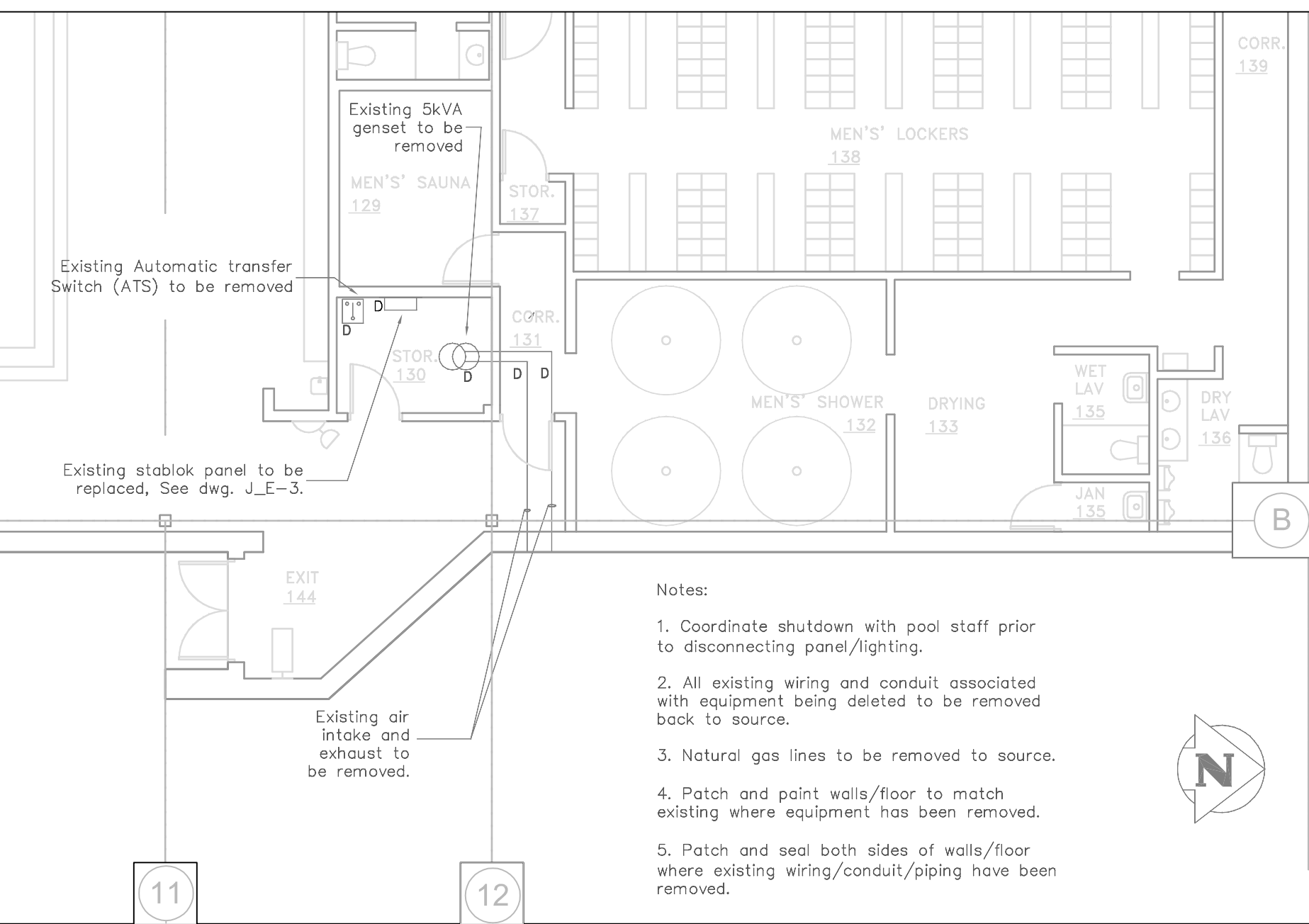
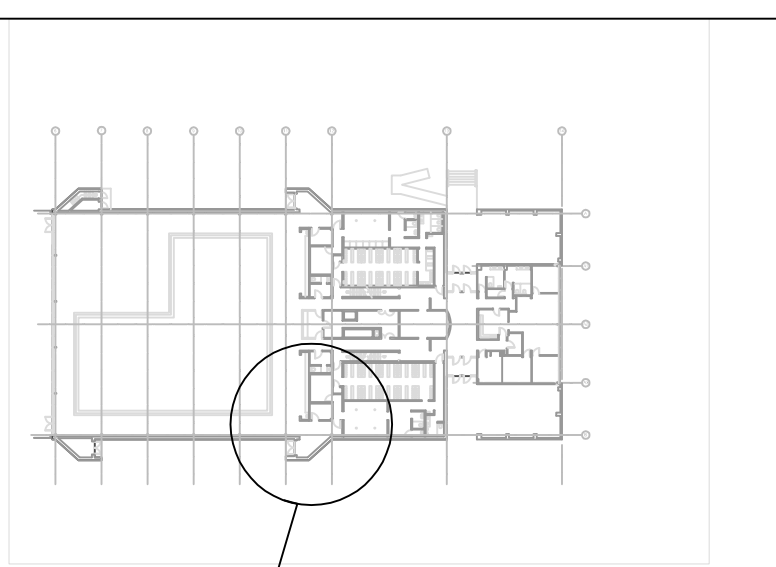


DESCRIPTION OF WORK

- The Contractor will be responsible for coordinating the delivery of materials to Site, unloading the materials at Site, and arranging the storage and insurance of such materials upon arrival.
- New emergency fixtures will be installed in designated areas to improve emergency light levels:
 - Pool&Deck area (140),
 - Men and women washrooms (room 104&105),
 - Basement (crawl space, mechanical room -05, electrical room (06), rooms- 01,03,04).
- Provide and connect UPS with existing power net, as shown on Detail 2, dwg. J_E-1.
- Provide and connect Emergency Panelboard E100 to the UPS as shown on Detail 1, dwg. J_E-1.
- Relocate two GFCI cts from old emergency panel to existing non-emergency panel 600.

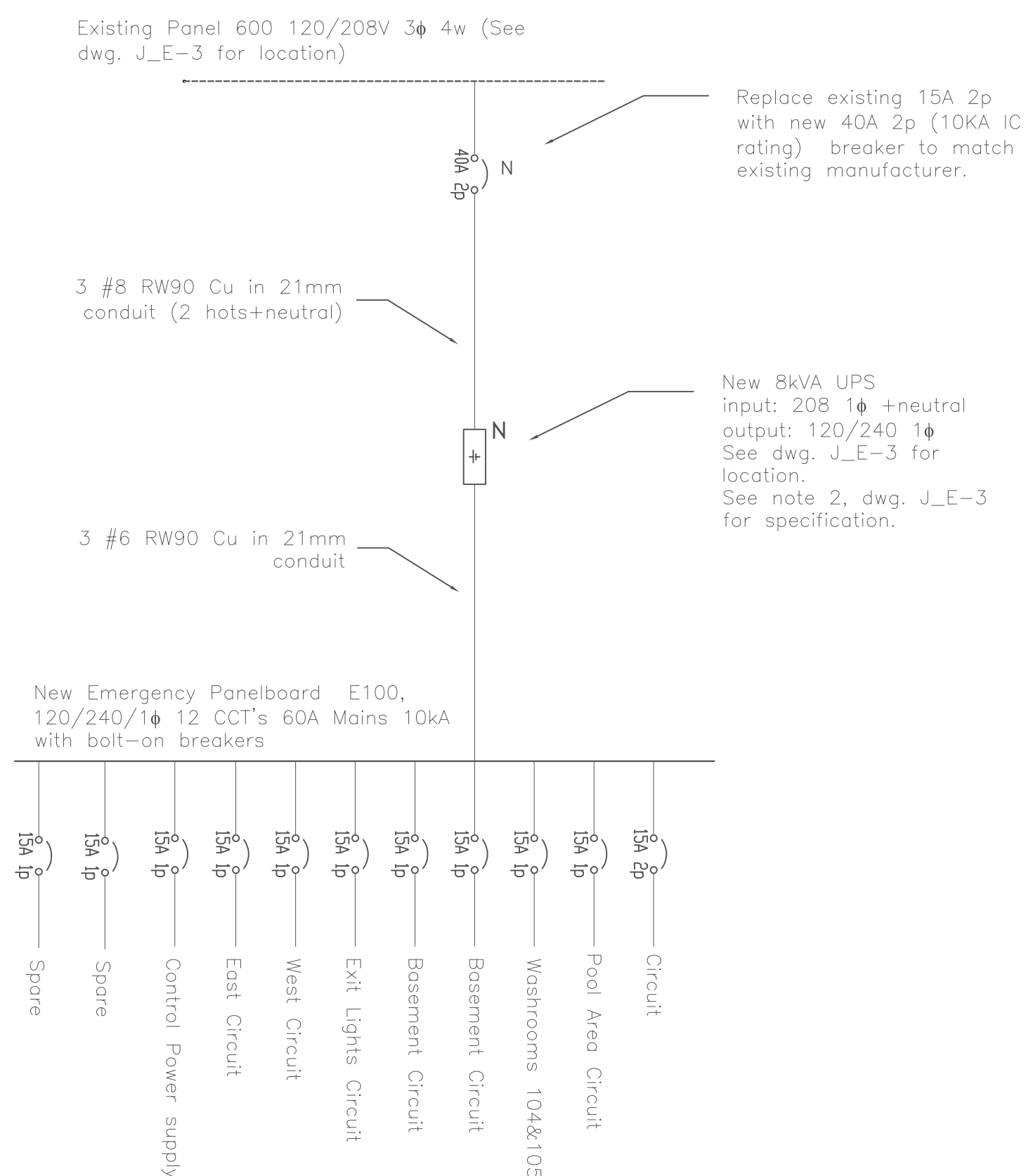
DEMOLITION

- Remove all existing electrical equipment, wiring, fixtures and non electrical systems, in those portions of the existing building which are being made redundant by this Work being carried out.
- All removed equipment designated to be saved by City is to be turned over to City's designated area.
- Patch, paint and repair walls, floors and ceilings in existing areas from which removal of equipment or supporting structure has taken place to match existing.



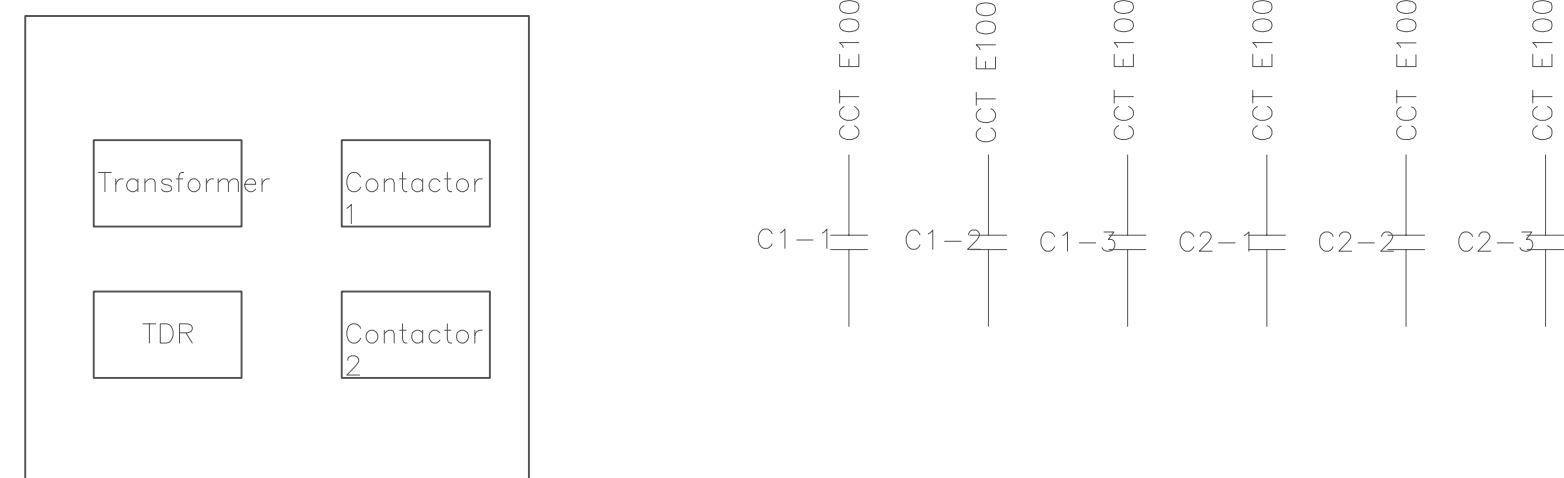
1 Demolition Plan Main Floor
E-1 SCALE: 1:100

SYMBOL SCHEDULE	
[Symbol]	Surface Luminaire 1x4
[Symbol]	Surface Luminaire 2x4
[Symbol]	Recessed Luminaire 1x4
[Symbol]	Remote Double Head Fixture
[Symbol]	Remote Single Head Fixture
[Symbol]	UPS
[Symbol]	Panelboard Surface Mount
[Symbol]	Generator
[Symbol]	Junction Box
[Symbol]	Circuit Breaker
[Symbol]	Contactor
[Symbol]	Transformer
[Symbol]	Automatic Transfer Switch
[Symbol]	Existing to Remain
[Symbol]	New
[Symbol]	Deleted

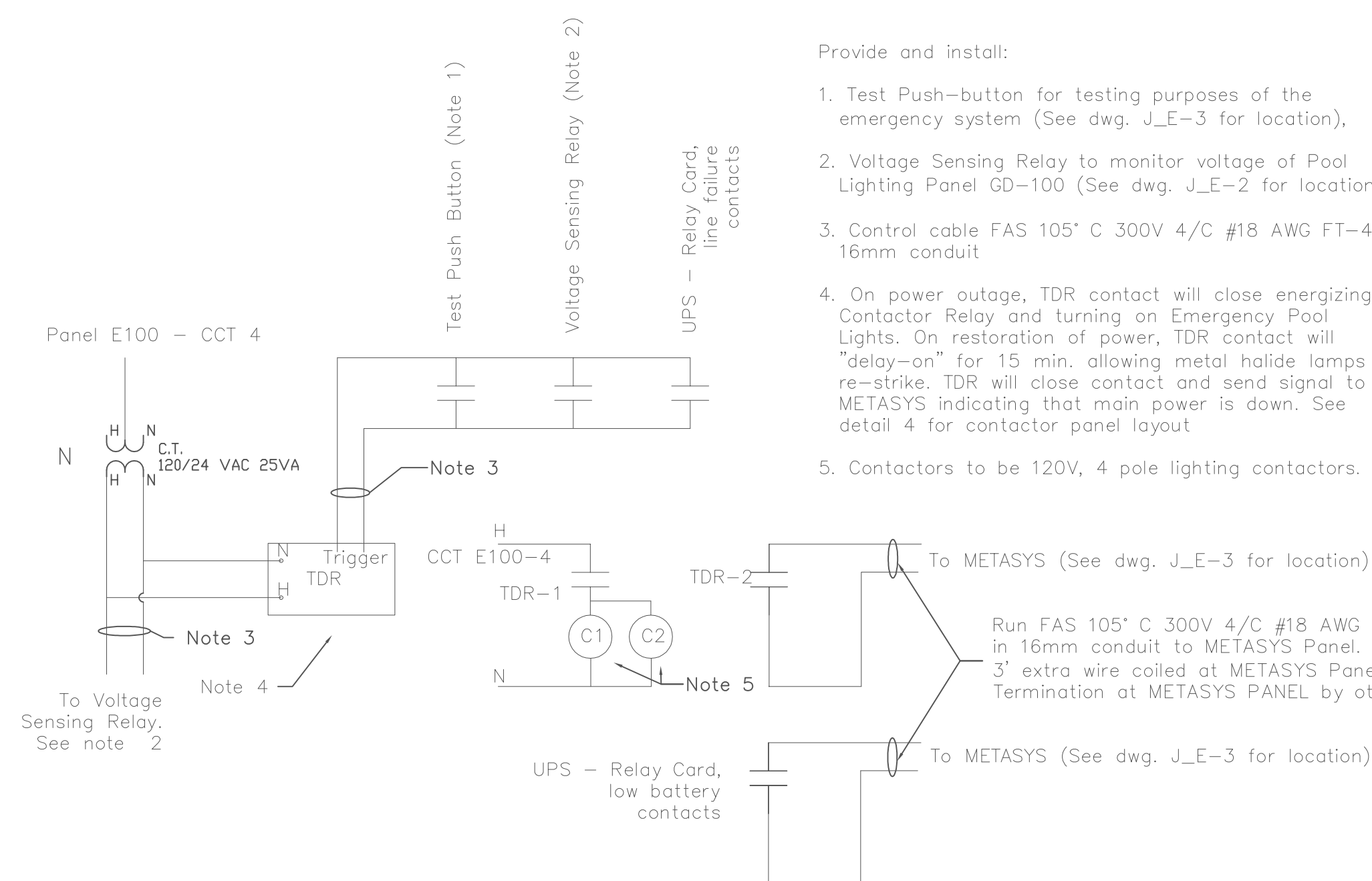


2 Emergency Power System Distribution
E-1 SCALE: N.T.S.

Provide NEMA1 enclosure for contactors, transformer and time delay relay.
Label enclosure: Emergency Power Control Enclosure, fed from panel E100
(See dwg. J_E-3 for enclosure location)



4 Emergency Power Control Enclosure
E-1 SCALE: N.T.S.



- Provide and install:
- Test Push-button for testing purposes of the emergency system (See dwg. J_E-3 for location).
 - Voltage Sensing Relay to monitor voltage of Pool Lighting Panel GD-100 (See dwg. J_E-2 for location).
 - Control cable FAS 105' C 300V 4/C #18 AWG FT-4 in 16mm conduit
 - On power outage, TDR contact will close energizing Contactor Relay and turning on Emergency Pool Lights. On restoration of power, TDR contact will "delay-on" for 15 min. allowing metal halide lamps to re-strike. TDR will close contact and send signal to METASYS indicating that main power is down. See detail 4 for contactor panel layout
 - Contactors to be 120V, 4 pole lighting contactors.

3 Emergency Lighting Control
E-1 SCALE: N.T.S.

Emergency Panel E100 120/240/1 ϕ 60A Mains 10kA									
Description	CCT	Par. (W)	Brk. (A)	L1	L2	Brk. (A)	Par. (W)	CCT	Description
Basement Light	1	450	15			15	420	7	Pool Lights
Basement Light	2	550	15			15	40	8	Exit Lights
Lobby washrooms Lights	3	70	15			15	1000	9	Main Floor Eyeballs Light
Control Power Supply	4	30	15			15	1000	10	
Main Floor East Lights	5	350	15			15		11	Spare
Main Floor West Lights	6	350	15			15		12	Spare
				L1	2290			L2	1970

5 Emergency Panelboard Schedule
E-1 SCALE: N.T.S.

Rev.	By:	DATE:
Rev.	By:	DATE:
Rev.	By:	DATE:

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
BUILDING SERVICES DIVISION
100 MAIN STREET, MAIN FLOOR
WPG, MB, R3C 1A4
(204) 986-7266

PROJECT:
Emergency System Upgrade
St. James Centennial Pool, 644 Parkdale

SHEET TITLE:
Demolition & Details

ENG. STAMP	PROJECT NO. 663-2006
	DRAWN BY: VC CHECKED BY: GWA APPROVED BY: GWA
	SCALE: 1:100 DATE: 24 October, 2006 DWG. NO. J_E-1 REV. 0