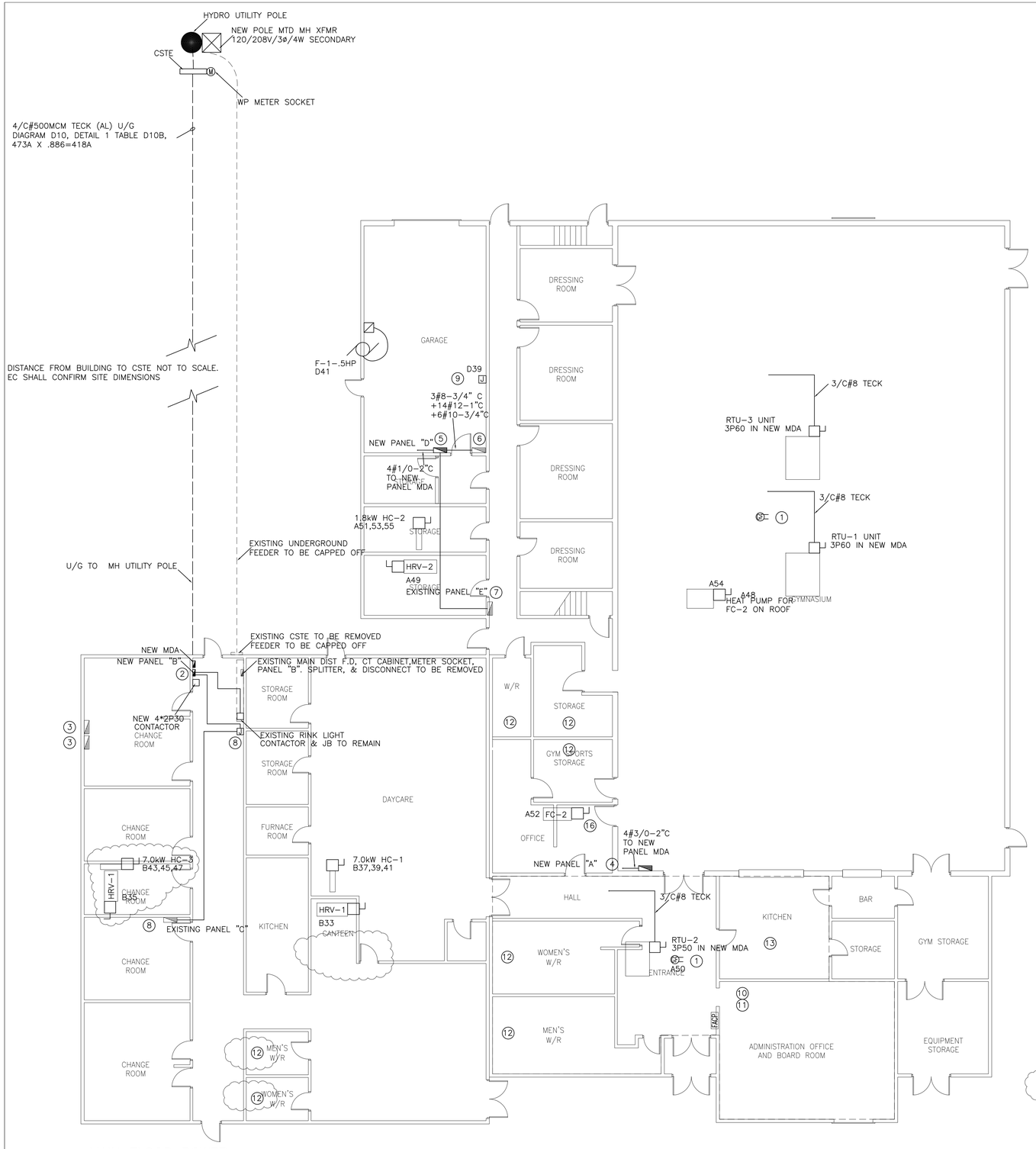
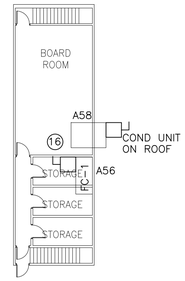
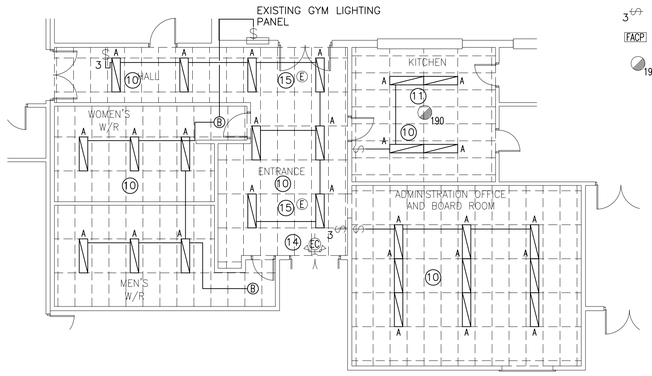


A E2.0 MAIN FLOOR POWER & SYSTEMS
1:100



B E2.0 MEZZ ELECTRICAL PLAN
1:200



C E2.0 PART MAIN FLOOR NEW CEILING
1:100

DRAWINGS NOTES:

1. CCT RTU 1 & RTU 2 SERVICE RECEPTACLES TO A 1P20 CCTS IN PANEL "A".
2. NEW PANEL "B" (RECIRCUIT ALL EXISTING BREAKERS FROM PANEL BEING REMOVED TO NEW PANELS. EC TO CONFIRM BREAKER COUNTS, AND SPECIFICATIONS PRIOR TO ORDERING/INSTALLLING ANY MATERIALS)
3. 2 EXISTING PANELS BEING CHANGED TO JUNCTION BOXES. EC TO RUN 2 X 4#10 IN 1" C (X2) AND 6#10 IN 1" C (X2) BACK TO NEW PANEL "B". THE OLD PANELS IN THIS ROOM ARE TO UTILIZED AS JUNCTION BOXES. UTILZE AND RELOCATE CONTACTOR RELAY FOR TIMER ON BREAKERS IN EXISTING PANELS BEING RELOCATED TO NEW PANEL"B".
4. NEW PANEL "A". (RECIRCUIT ALL EXISTING BREAKERS FROM PANEL BEING REMOVED TO NEW PANELS. EC TO CONFIRM BREAKER COUNTS, AND SPECIFICATIONS PRIOR TO ORDERING/INSTALLLING ANY MATERIALS)
5. NEW PANEL "D". 200A/120/208V/3ø/4W 72 CCT PANEL. PROVIDE NEW 4#1/0-2"C FEEDER BACK TO NEW 3P150 BREAKER IN NEW MAIN DISTRIBUTION MDA.
6. EXISTING PANEL TO REMAIN AS JB ONLY. EXTEND EXISTING CIRCUITS TO NEW PANEL D- 3#8-3/4"C + 14#12-1"C + 6#10-3/4"C. CUT OFF AND REMOVE EXISTING FEEDER TO OLD PANEL B.
7. EXISTING PANEL E TO REMAIN AS JB ONLY. EXTEND EXISTING CIRCUITS TO NEW PANEL D- 2x10#12-3/4"C + 12#12-1"C + 9#12-3/4"C. CUT OFF AND REMOVE FEEDER TO OLD PANEL B.
8. PROVIDE JB AT EXISTING MAIN DISTRIBUTION LOCATION & EXTEND FEEDER FROM JB TO NEW 2P70 BREAKER IN MDA.
9. PROVIDE 120-24VAC XFMR FOR NEW CO SENSOR & CONNECT. CONNECT 1-NO CONTACT FROM CO SENSOR BACK TO NEW SUPERVISORY ZONE IN EXISTING FACP. CO ALARM TO PROVIDE SUPERVISORY ALARM ONLY.
10. PROVIDE NEW 1x4 T5 2x28W RECESSED FLUORESCENT LUMINAIRES IN NEW T-BAR CEILING IN OUTLINED AREA. CONNECT TO EXISTING LIGHTING CIRCUITS & SWITCHING.
11. REMOUNT EXISTING FIRE ALARM DETECTORS DEMOUNTED DURING REMOVAL OF EXISTING DRYWALL CEILING. RE-VERIFY DEVICES AS REQUIRED.
12. RECONNECT REPLACED EXHAUST FANS IN WASHROOMS & STORAGE AS INDICATED (7 TOTAL) AND CONNECT TO EXISTING LIGHT SWITCHES IN ROOMS.
13. RECONNECT REPLACED EXHAUST FAN IN KITCHEN AND CONNECT TO EXISTING LIGHT SWITCH IN ROOM.
14. DEMOUNT EXISTING EXIT LIGHT AND REINSTALL IN NEW CEILING.
15. DEMOUNT EXISTING RECESSED EMERGENCY LIGHTING HEADS AND REINSTALL IN NEW CEILING.
16. CONNECT NEW T'STAT (BY DIV. 15) TO EXISTING BASEBOARD HEATERS-REFER TO MECHANICAL DRAWING M-101 FOR EXACT DETAILS

ELECTRICAL SYMBOL LEGEND

	ELECTRICAL PANEL
3P 60	CIRCUIT BREAKER - # OF POLES/AMPERAGE
3P30 30F	FUSED DISC SWITCH - # OF POLES/SIZE/FUSE AMPERAGE
	DENOTES EXISTING ELECTRICAL TO REMAIN
	DENOTES EXISTING ELECTRICAL TO BE REMOVED
E	DENOTES EXISTING TO REMAIN
N	DENOTES NEW ELECTRICAL
	MOTOR OUTLET
	DISCONNECT SWITCH-WP
	MANUAL MOTOR PROTECTIVE SWITCH C/W O/L & ON/OFF
J	JUNCTION BOX
GFCI	125V 20A GFCI RECEPTACLE-WP
EX	EXISTING FL WRAP LUMINAIRE TO BE REMOVED
A	NEW RECESSED 1x4 FLOURESCENT LUMINAIRE EQUAL TO RLE MODEL# K85-1-228T5-120
X	EXISTING INC. POT LIGHT TO BE REMOVED
B	NEW LED POT LIGHT EQUAL TO LIGHTOLIER L5RAN/L5R10927/ L5RBW C/W 1000 lumen LED
E	EXISTING DC EMERGENCY LIGHT TO BE DEMOUNTED & RE-INSTALLED IN NEW T-BAR CEILING
EC	EXISTING EXIT LIGHT TO BE DEMOUNTED & RE-INSTALLED IN NEW T-BAR CEILING
S	EXISTING LIGHT SWITCH TO BE RECONNECTED TO NEW LIGHTS
3	EXISTING 3-WAY LIGHT SWITCH TO BE RECONNECTED TO NEW LIGHTS
FACP	EXISTING EDWARDS FACP TO REMAIN
190	EXISTING FIXED TEMP HEAT DETECTOR TO BE DEMOUNTED & RE-INSTALLED IN NEW T-BAR CEILING

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REV	DESCRIPTION	DWN	APP	REV DATE
3	ISSUED FOR ADDENDUM#1	PY	TJ	OCT 28 2016
2	ISSUED FOR TENDER	PY	TJ	SEP 15 2016
1	ISSUED FOR TENDER/CONSTRUCTION	PY	DA	JUN 28 2016
ø	ISSUED FOR QS ONLY	PY	TJ	JUN 17 2016

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PERMIT TO PRACTICE

CLIENT
THE CITY OF WINNIPEG
GREENDELL PARK C.C.

PROJECT
HVAC ELECTRICAL UPGRADES

SHEET TITLE
ELECTRICAL POWER & SYSTEMS

DRAWN BY	CHECKED BY	SCALE	SHEET NO
PY	DSA	AS NOTED	E102
DESIGNED BY	JOB NUMBER	DATE	REVISION NO
TJ	18558	JUN 12 2016	3

ARCH D - 609.6 x 914.4 (24" x 36")