

4/C#500MCM TECK (AL) U/G  
DIAGRAM D10, DETAIL 1 TABLE D10B,  
473A X .886=418A

DISTANCE FROM BUILDING TO CSTE NOT TO SCALE.  
EC SHALL CONFIRM SITE DIMENSIONS

U/G TO MH UTILITY POLE

NEW MDA

NEW PANEL "B"

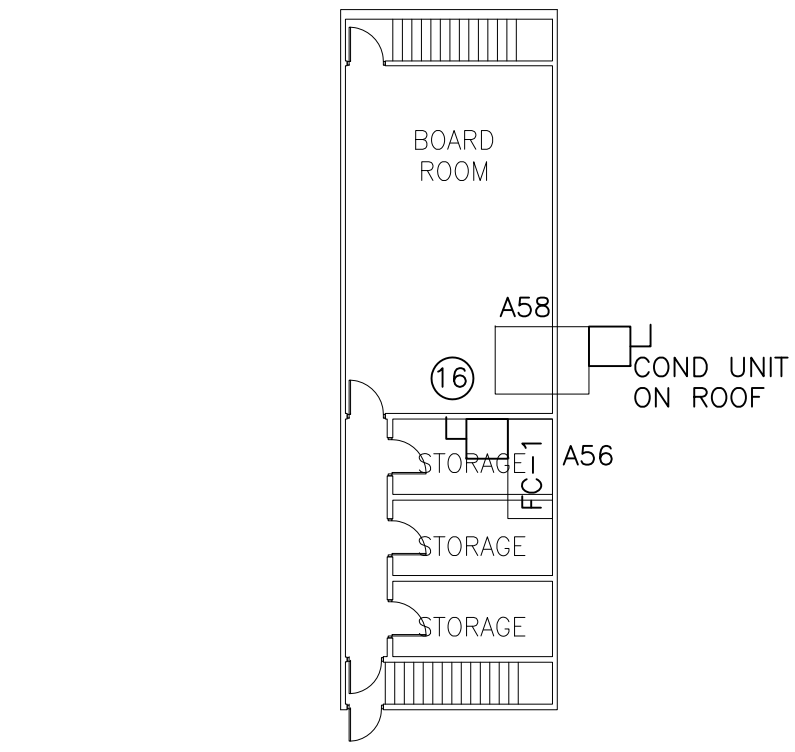
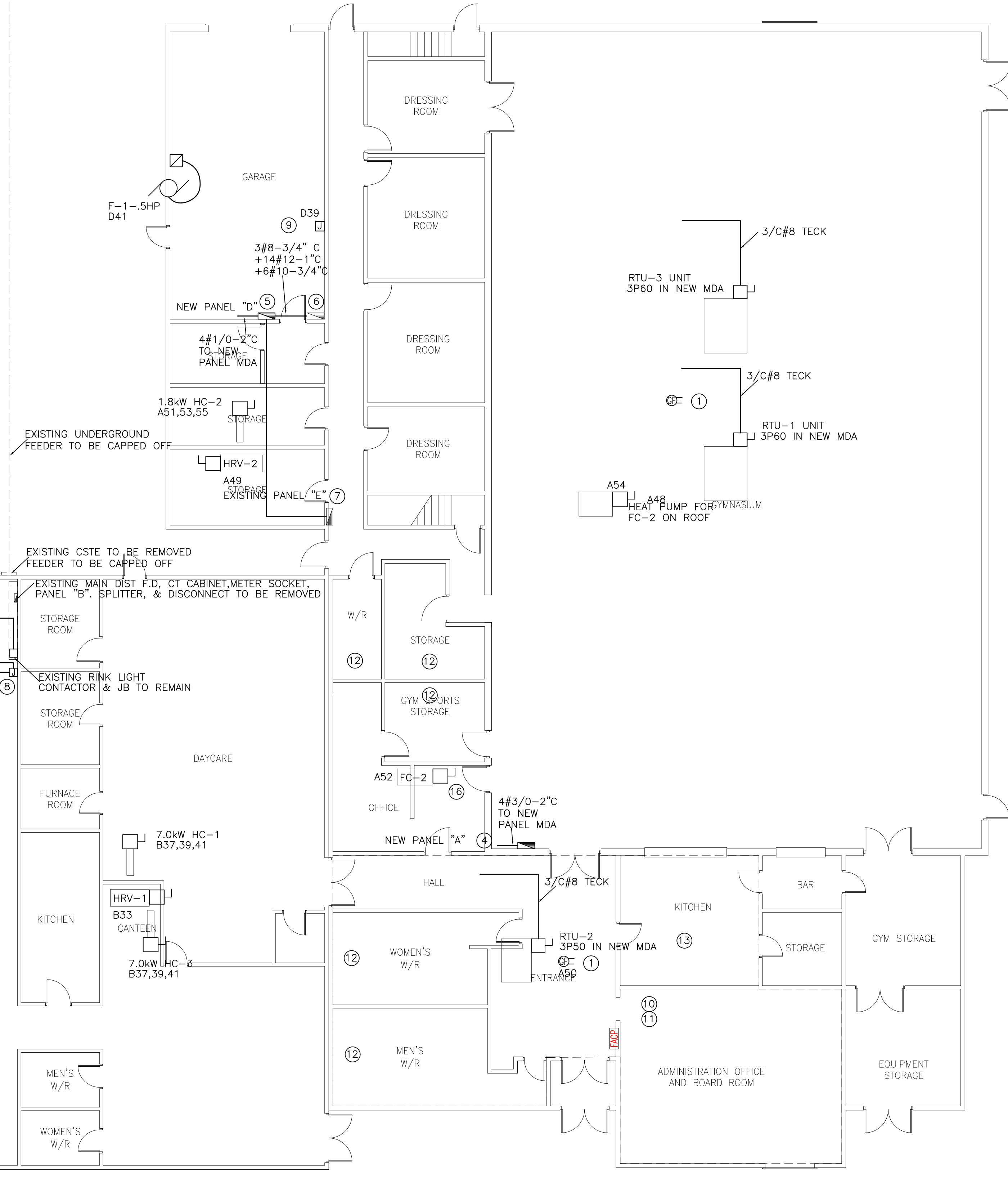
CHANGE ROOM

EXISTING PANEL "C"

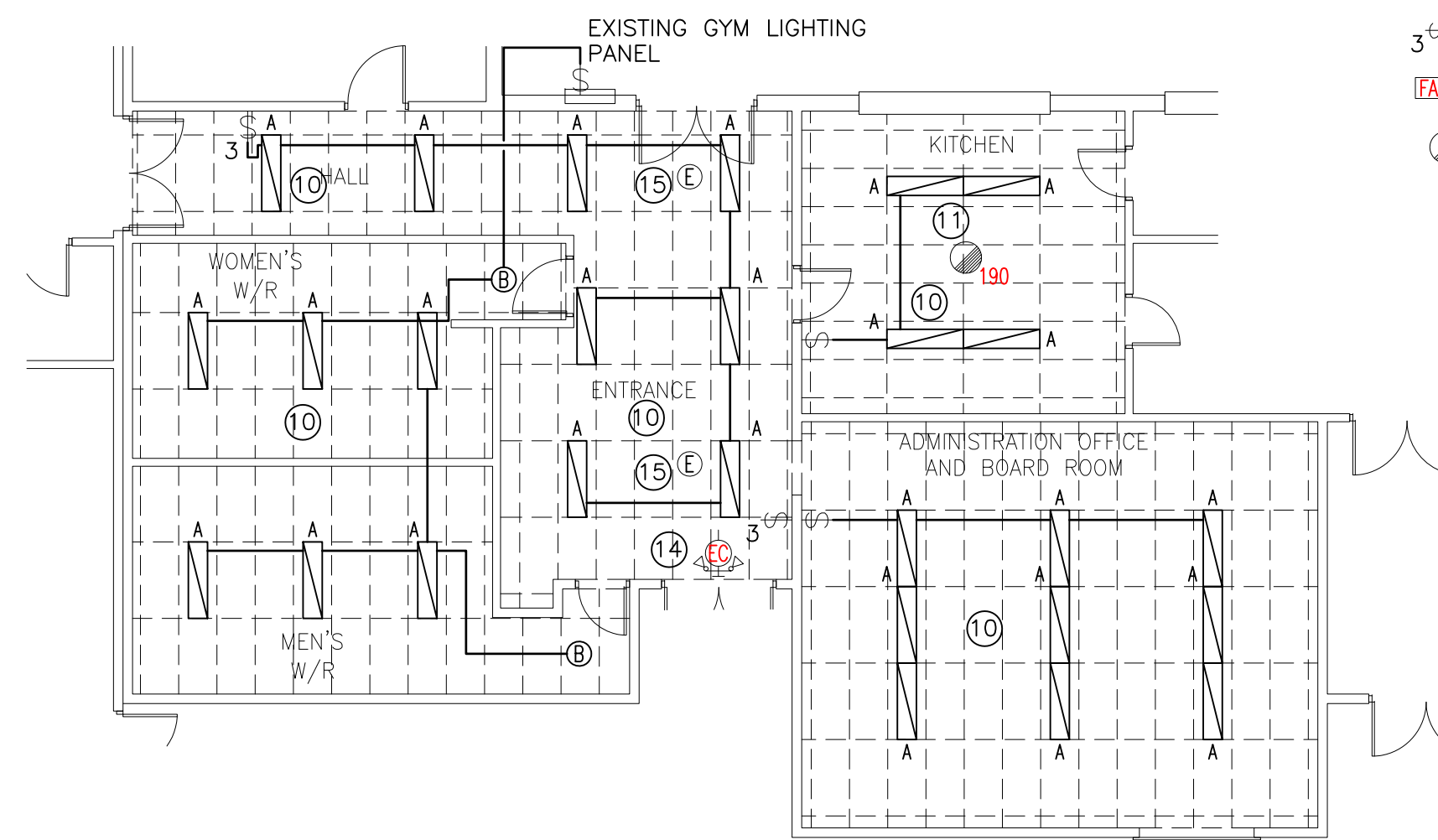
CHANGE ROOM

CHANGE ROOM

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



**B**  
MEZZ ELECTRICAL  
PLAN  
E2.0  
1:200



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

**DRAWINGS NOTES:**

- 1 CCT RTU 1 & RTU 2 SERVICE RECEPTACLES TO A 1P20 CCTS IN PANEL "A".
- 2 NEW PANEL "B" (RE-CIRCUIT ALL EXISTING BREAKERS FROM PANEL BEING REMOVED TO NEW PANELS. EC TO CONFIRM BREAKER COUNTS, AND SPECIFICATIONS PRIOR TO ORDERING/INSTALLING 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. UTILIZE AND RELOCATE CONTACTOR RELAY FOR TIMER ON BREAKERS IN EXISTING PANELS BEING RELOCATED TO NEW PANEL "B".
- 4 NEW PANEL "A". (RE-CIRCUIT ALL EXISTING BREAKERS FROM PANEL BEING REMOVED TO NEW PANELS. EC TO CONFIRM BREAKER COUNTS, AND SPECIFICATIONS PRIOR TO ORDERING/INSTALLING 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 (5 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
- CIRCUIT BREAKER - # OF POLES/AMPERAGE
- FUSED DISC SWITCH - # OF POLES/SIZE/FUSE AMPERAGE
- DENOTES EXISTING ELECTRICAL TO REMAIN
- DENOTES EXISTING ELECTRICAL TO BE REMOVED
- DENOTES NEW ELECTRICAL
- MOTOR OUTLET
- DISCONNECT SWITCH-WP
- MANUAL MOTOR PROTECTIVE SWITCH C/W O/L & ON/OFF
- JUNCTION BOX
- 125V 20A GFCI RECEPTACLE-WP
- EXISTING FL WRAP LUMINAIRE TO BE REMOVED
- NEW RECESSED 1x4 FLUORESCENT LUMINAIRE EQUAL TO RLE MODEL# K85-1-228T5-120
- EXISTING INC. POT LIGHT TO BE REMOVED
- NEW LED POT LIGHT EQUAL TO LIGHTOLIER L5RAN/L5R10927/L5RBW C/W 1000 lumen LED
- EXISTING DC EMERGENCY LIGHT TO BE DEMOUNTED & RE-INSTALLED IN NEW T-BAR CEILING
- EXISTING EXIT LIGHT TO BE DEMOUNTED & RE-INSTALLED IN NEW T-BAR CEILING
- EXISTING LIGHT SWITCH TO BE RECONNECTED TO NEW LIGHTS
- EXISTING 3-WAY LIGHT SWITCH TO BE RECONNECTED TO NEW LIGHTS
- EXISTING EDWARDS FACP TO REMAIN
- EXISTING FIXED TEMP HEAT DETECTOR TO BE DEMOUNTED & RE-INSTALLED IN NEW T-BAR CEILING

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REV	DESCRIPTION	DN	APP	REV DATE
2	ISSUED FOR ADDENDUM#1	PY	TJ	SEP 15 2016
1	ISSUED FOR TENDER/CONSTRUCTION	PY	DA	JUN 28 2016
0	ISSUED FOR QS ONLY	PN	TJ	JUN 17 2016

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SEAL 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	2