



No. 4035



0	ISSUED FOR CONSTRUCTION	2017-04-2
Revision	Description	Date
Client		client

**PUBLIC WORK AND
GOVERNMENT SERVICES
CANADA**

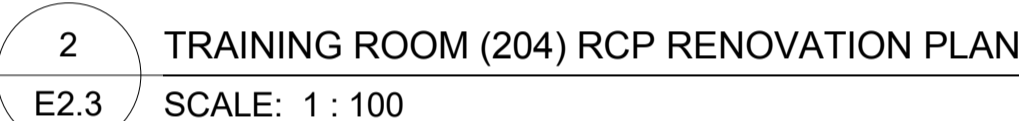
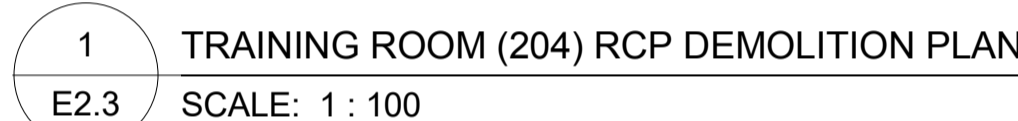
CRA WINNIPEG TAX-CENTRE FIT-UP

WINNIPEG, MANITOBA

Drawing Title	Titre du dessin
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**SECOND FLOOR - TRAINING RM #4
- LIGHTING & POWER PLAN - DEMO
& RENO**

Project no./No. du projet R.078618	Drawing no./No. du dessin E2.3 5 OF 10	Revision no.
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A. COORDINATE ALL WORK REQUIRING SHUT-DOWN OF EXISTING SYSTEMS THAT COULD AFFECT EXISTING TENANTS WITH THE BUILDING OWNER AT A TIME AND MANNER SUITABLE TO THEM. THE CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES AND LIGHTING CONTROL SYSTEMS IN RENOVATION AREAS. PROVIDE NEW LIGHTING SYSTEMS INCLUDING 347V CIRCUITS FOR NEW LIGHTING FIXTURES WITHIN THE SPACE. PROVIDE TYPEWRITTEN PANEL DIRECTORIES INDICATING UPDATED CIRCUITING. TURN ALL LIGHTING COMPONENTS OVER TO BUILDING OWNER.

C. PROVIDE NEW 610MM X1200MM (2'X4') VOLUMETRIC RECESSED LED TRIGGER, 347V, 4000LM, 82CRI, 3500K, LIGHT FIXTURE SHALL BE COMPATIBLE WITH DIGITALLY ADDRESSABLE LIGHTING CONTROL SYSTEM. PROVIDE NEW LIGHTING FIXTURES TO ALLOW ACoustic BARRIER INSTALLATION. CIRCUITING INDICATED IS REPRESENTATIONAL ONLY.

E. PROVIDE NEW DIGITALLY ADDRESSABLE LIGHTING CONTROL SYSTEM COMPLETE WITH DIMMERS, OCCUPANCY SENSORS, SCHEDULING, AND NETWORK RELAY. PROVIDE NETWORK RELAY PACKS & NETWORK BRIDGE AS REQUIRED. PROVIDE LIGHTING CONTROL GATEWAY & CONTROL IN COMMISSIONAIRS OFFICE (INDICATED IN SITE PLAN) FOR COMPLETE CONTROL OF ALL NEW LIGHTING SYSTEM. REMAINING EXISTING LIGHTING SHALL BE LEFT IN PLACE.

F. COMMUNICATIONS OUTLETS SHOWN FOR COORDINATION ONLY. ALL DATA RACKS, CABLING AND TERMINATION BY SSC (NIC). ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PATHWAY AND RACEWAY REQUIRED TO SUPPORT THE COMMUNICATIONS SYSTEM.

G. CONTRACTOR SHALL REMOVE ALL EXISTING ABANDONED WIRING IN CEILING SPACE BACK TO SOURCE. SECURE ALL EXISTING UN-SUPPORTED WIRING, CONDUIT AND JUNCTION BOXES TO MEET MINIMUM CODE REQUIREMENTS.

H. DEMOLISH EXISTING LOW VOLTAGE RAIL LIGHTING CONTROL IN THE RENOVATION AREA. TURN ALL COMPONENTS OVER TO BUILDING OWNER.

I. RELOCATES INDICATED ON DRAWINGS SHALL INCLUDE THE COMPLETE RELOCATION OF THE EXISTING ITEM IDENTIFIED IN ITS CURRENT LOCATION ON THE DEMOLITION DRAWINGS, TO THE NEW LOCATION AS INDICATED ON THE RENOVATION DRAWINGS. INCLUDE ALL LABOUR AND MATERIALS TO REMOVE AND RE-INSTALL/REDEFERRED THE EXISTING CIRCUITRY AS REQUIRED TO ACCOMMODATE THE RELOCATION.

- 1 PROVIDE ONE (1) (120V / 15A) QUADPLEX RECEPTACLE ON DEDICATED CIRCUIT ABOVE CEILING TILES AT THE LOCATION OF CEILING MOUNTED PROJECTOR. WIRE AND CONNECT MOTORIZED SCREEN COMPLETELY WITH SAME CIRCUITING USED FOR QUADPLEX RECEPTACLE. PROJECTOR MOTORIZED SCREEN SHALL BE CONTROLLED BY THE SAME DIMMER SWITCH (NIC). COORDINATE EXACT LOCATION WITH DEPARTMENTAL REPRESENTATIVE ON SITE.
- 2 PROVIDE TWO (2) (120V / 15A) DEDICATED CIRCUIT RECEPTACLE INSTALLED WITH OVERFLOOR RACEWAY BOX. OVERFLOOR RACEWAY BOX SHALL BE CONTROLLED BY THE SAME DIMMER SWITCH (NIC). COORDINATE EXACT LOCATION WITH DEPARTMENTAL REPRESENTATIVE ON SITE.
- 3 PROVIDE TWO (2) 27MM CONDUIT FROM THE WALL AND UP IN THE CEILING SPACE ABOVE T-BAR GRID. CONDUITS SHALL TERMINATE AT THE OVERFLOOR RACEWAY WALL TRANSITION BOX AT THE DOOR AND SHALL BE CONTROLLED BY THE SAME DIMMER SWITCH (NIC). COORDINATE EXACT LOCATION WITH DEPARTMENTAL REPRESENTATIVE ON SITE.
- 4 RELOCATE PA SPEAKER TO SUIT NEW LAYOUT. CONTRACTOR SHALL MODIFY LINEAR METAL CEILING GRID AS REQUIRED.
- 5 COORDINATE LOCATION AND MOUNTING HEIGHT OF RECEPTACLE AND DATA OUTLET FOR WALL MOUNTED MONITOR WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO ROUGHIN.
- 6 PROVIDE NETWORKED SYSTEM WALL DIMMER SWITCH. DIMMER SWITCH SHALL HAVE ON/OFF & RAISE/LOWER DIMMER SWITCHES. DIMMER SWITCH SHALL BE CONTROLLED BY THE SAME ADDRESSABLE LIGHTING CONTROL SYSTEM AND INTEGRATED WITH THE OCCUPANCY SENSOR IN THE ROOM.
- 7 LIGHT FIXTURES SHALL BE PART OF EMERGENCY LIGHTING CIRCUIT. EMERGENCY FIXTURES SHALL BE PART OF DIGITALLY ADDRESSABLE LIGHTING CONTROL SYSTEM AND SHALL BE CONTROLLED BY DIMMER SWITCH AND OCCUPANCY SENSOR IN THE ROOM. FIXTURES SHALL BE MOTORIZED CIRCUITING. MOTORIZED CIRCUITING SHALL BE CONTROLLED BY DIMMER SWITCH. EMERGENCY FIXTURES SHALL FULLY (100%) TURN ON. CIRCUITING INDICATED IS REPRESENTATIONAL ONLY. COORDINATE ON SITE LOCATION OF EMERGENCY 600V PANEL.
- 8 PROVIDE TO SITE PLAN FOR THE ROOM. PROVIDE ELECTRICAL SCHEMATIC FOR THE ROOM.
- 9 PROVIDE NETWORKED SYSTEM DUAL TECH CEILING OCCUPANCY SENSOR. OCCUPANCY SENSOR SHALL BE PART OF DIGITALLY ADDRESSABLE LIGHTING CONTROL SYSTEM. EXTENDED RANGE 360 DEGREES. REAR RJ-45 PORT. LOW VOLTAGE. THE ROOM SHALL HAVE MANUAL MOUNTED TO OPEN HUNG CEILING. CONTRACTOR SHALL PROVIDE THE FOLLOWING:

