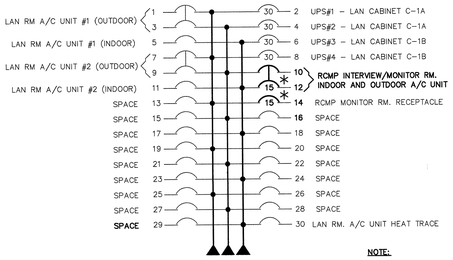
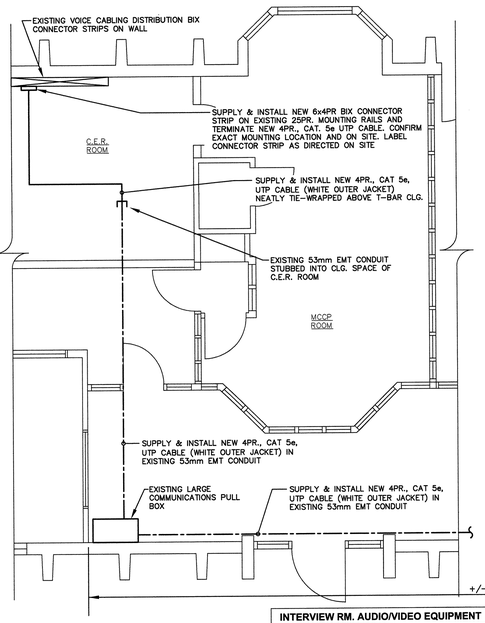


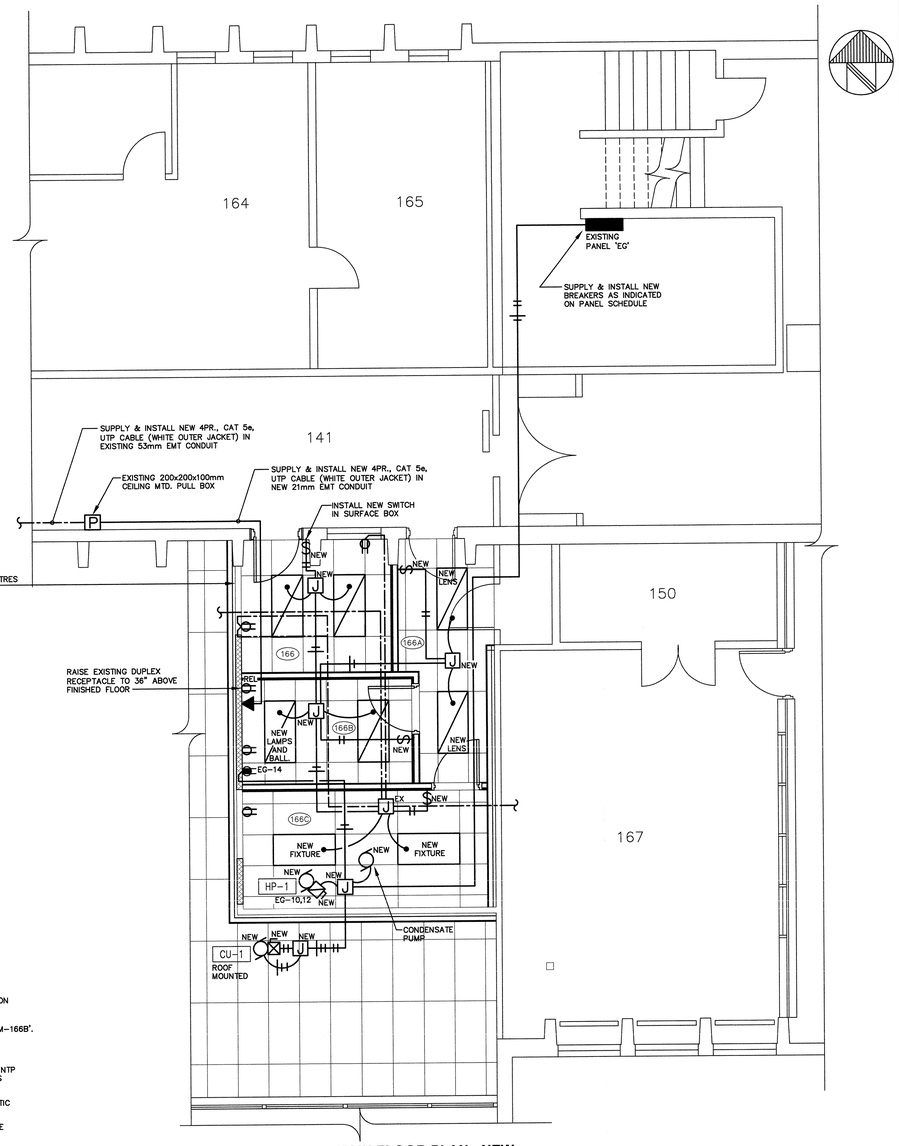
EXISTING PANEL 'EG'
120/208V,3ϕ,4W – 30 CCT.
100A MAINS, SURFACE MTD.

NOTE:
* SUPPLY & INSTALL NEW BREAKER TO MATCH EXISTING AND UPDATE PANEL SCHEDULE ACCORDINGLY

SYMBOL LEGEND

- REMOVE EXISTING LIGHT FIXTURE FROM T–BAR CEILING AND RE–INSTALL IN NEW T–BAR CEILING AS INDICATED
- RE–INSTALL EXISTING LIGHT FIXTURE IN NEW T–BAR CEILING
- NEW LENS — RE–INSTALL EXISTING LIGHT FIXTURE IN NEW T–BAR CEILING AND SUPPLY & INSTALL NEW K–12 LAY–IN LENS TO MATCH EXISTING
- NEW LAMPS AND BALL. — RE–INSTALL EXISTING LIGHT FIXTURE IN NEW T–BAR CEILING AND SUPPLY & INSTALL 2 NEW T8 LAMPS TO MATCH EXISTING AND NEW 120V ELECTRONIC BALLAST
- NEW FIXTURE — SUPPLY & INSTALL NEW LIGHT FIXTURE TO MATCH EXISTING IN NEW T–BAR CEILING. FIXTURE TO BE 24" x 48", C/W LAY–IN K–12 LENS, 2–T8 LAMPS AND 120V ELECTRONIC BALLAST
- REMOVE EXISTING CONDUIT AND WIRING
- EXISTING CONDUIT AND WIRING TO REMAIN
- SUPPLY & INSTALL NEW #12 RW90 IN NEW E.M.T. CONDUIT
- REMOVE EXISTING #12 AC90 CABLE
- SUPPLY & INSTALL NEW #12 AC90 CABLE
- 3 — REMOVE EXISTING 3–WAY SWITCH & ALL ASSOCIATED WIRING
- 4 — REMOVE EXISTING 4–WAY SWITCH & ALL ASSOCIATED WIRING
- T — REMOVE EXISTING EXHAUST FAN TIMER & ALL ASSOCIATED WIRING
- NEW — SUPPLY & INSTALL NEW SPECIFICATION GRADE SPST LIGHT SWITCH C/W PLASTIC COVER PLATE. COLOR TO MATCH EXISTING
- REMOVE EXISITNG DUPLEX RECEPTACLE & ALL ASSOCIATED WIRING
- EXISTING DUPLEX RECEPTACLE TO REMAIN
- SUPPLY & INSTALL NEW SPECIFICATION DUPLEX RECEPTACLE MOUNTED 36" ABOVE FINISHED FLOOR TO CENTRE OF RECEPTACLE C/W PLASTIC COVER PLATE. COLOR TO MATCH EXISTING
- EX — EXISTING JUNCTION BOX TO REMAIN
- NEW — SUPPLY & INSTALL NEW JUNCTION BOX
- REMOVE EXISTING FIXED POINT ALARM PUSHBUTTON AND ALL ASSOCIATED WIRING TO NEAREST JUNCTION BOX ABOVE CEILING
- DISCONNECT EXISTING EXHAUST FAN AND REMOVE ALL ASSOCIATED CONDUIT AND WIRING
- NEW — CONNECT NEW INDOOR UNIT AIR CONDITIONER OR OUTDOOR UNIT CONDENSING UNIT AS INDICATED
- REMOVE EXISTING DISCONNECT SWITCH FOR EXISTING EXHAUST FAN TO BE REMOVED
- NEW — SUPPLY & INSTALL NEW WEATHERPROOF MOTOR DISCONNECT SWITCH. DISCONNECT SWITCH TO BE PAD–LOCKABLE IN "OFF" POSITION
- NEW — SUPPLY & INSTALL NEW MOTOR DISCONNECT SWITCH. DISCONNECT SWITCH TO BE PAD–LOCKABLE IN "OFF" POSITION
- SUPPLY & INSTALL CAT. 5e, RJ45 VOICE JACK ON PLASTIC COVERPLATE IN 100mm SQUARE OUTLET BOX C/W SINGLE DEVICE MUD RING AT 36" ABOVE FINISHED FLOOR





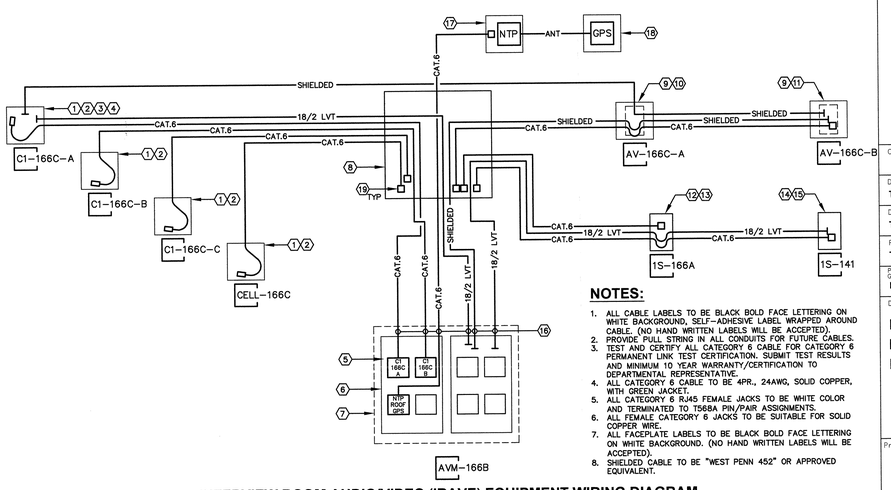
MAIN FLOOR PLAN - NEW
SCALE 1:50

INTERVIEW RM. AUDIO/VIDEO EQUIPMENT	
AVM–166B	AUDIO/VISUAL MONITORING EQUIPMENT
C1–166C–A	CEILING MTD. CCTV CAMERA (ZOOM)
C1–166C–B	CEILING MTD. CCTV CAMERA (WIDE)
C1–166C–C	CEILING MTD. CCTV CAMERA (FUTURE)
CE–L–166C	CEILING MTD. CCTV CAMERA (FUTURE)
AV–166C–A	WALL MOUNTED MICROPHONE
AV–166C–B	WALL MOUNTED MICROPHONE (FUTURE)
1S–166A	CEILING MTD. 12VDC INDICATING LIGHT
1S–141	CEILING MTD. 12VDC INDICATING LIGHT
NTP	NETWORK TIME PROTOCOL SERVER
GPS	GPS ANTENNA C/W 3M LONG ANTENNA CABLE FOR NETWORK TIME PROTOCOL

NOTES
1. EXCEPT FOR THE GPS ANTENNA, ALL EQUIPMENT TO BE SUPPLIED AND INSTALLED BY OTHERS (N.I.C.)
2. INSTALL GPS ANTENNA SUPPLIED BY OTHERS IN 100mm SQUARE WEATHERPROOF RPVC BOX AT TOP OF WALL. CONFIRM EXACT MOUNTING LOCATION ON SITE PRIOR TO ROUGH–IN. RPVC BOX MUST SEE THE SKY.

KEY NOTES:

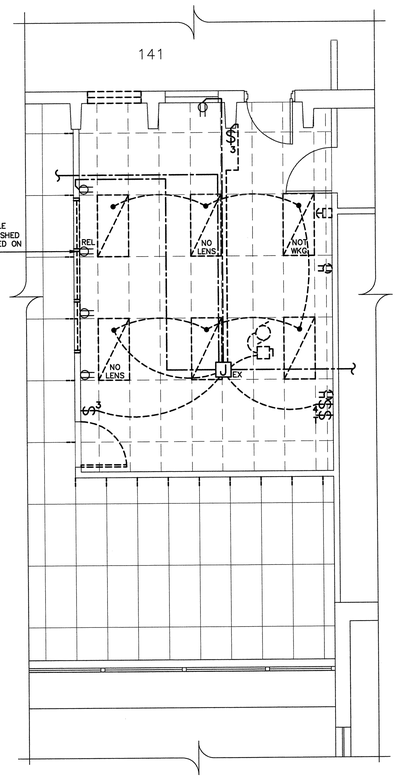
1. SUPPLY & INSTALL 100mm SQUARE PULL BOX WALL MOUNTED ABOVE CEILING.
2. ALLOW 1000mm OF CAT.6 CABLE AND TERMINATE WITH MALE RJ45 JACK. LABEL CABLE INDICATING CAMERA IDENTIFICATION. COIL EXCESS CABLE IN CONSOLIDATION BOX.
3. ALLOW 1000mm OF SHIELDED CABLE. LABEL CABLE "AV–166C–A". COIL EXCESS CABLE IN CONSOLIDATION BOX.
4. ALLOW 1000mm OF 18/2 CABLE. LABEL CABLE 'AVM–166B'. COIL EXCESS CABLE IN CONSOLIDATION BOX.
5. SUPPLY & INSTALL TWO 4–PORT FACEPLATES AND TERMINATE CAT.6 CABLES ON FEMALE RJ45 JACKS. LABEL CABLES AND JACKS INDICATING CAMERA OR NTP IDENTIFICATION AS INDICATED. PROVIDE BLANK CAPS FOR ALL UNUSED PORTS.
6. SUPPLY & INSTALL 2–GANG "DECORA" STYLE PLASTIC COVERPLATE
7. SUPPLY & INSTALL 2–GANG DEEP BOX C/W DOUBLE DEVICE PLASTER RING WALL MOUNTED 36" ABOVE FINISHED FLOOR
8. SUPPLY & INSTALL 200x200x100mm CONSOLIDATION BOX ABOVE T–BAR CEILING
9. SUPPLY & INSTALL 100mm SQUARE OUTLET BOX C/W SINGLE DEVICE MUD RING AND BLANK STAINLESS STEEL COVERPLATE WALL MTD. AT 36" ABOVE FINISHED FLOOR TO CENTRE OF BOX. (BOX TO BE ROUGHED–IN SO THAT MUD RING IS FLUSH WITH ACOUSTIC FABRIC PANELS IF PANELS ARE TO BE INSTALLED ON WALLS)
10. ALLOW 300mm SERVICE LOOP OF EACH CABLE PASSING THROUGH THIS BOX TO THE BOX FOR AV–166C–B. LABEL THE SHIELDED CABLE FROM C1–166C–A "C1–166C–A"
11. ALLOW 300mm OF CAT.6 CABLE AND TERMINATE ON RJ45 FEMALE JACK. ALLOW 1000mm OF EACH SHIELDED CABLE. LABEL THE SHIELDED CABLE FROM C1–166C–A "C1–166C–A", AND THE SHIELDED CABLE AND CAT.6 CABLE FROM AVM–166B "AVM–166B"
12. SUPPLY & INSTALL WALL MOUNTED SINGLE GANG OUTLET BOX CENTRE ABOVE DOOR
13. ALLOW 1000mm OF CAT.6 CABLE FROM AVM–166B. TERMINATE ON RJ45 FEMALE JACK AND LABEL CABLE "AVM–166B". ALLOW 300mm SERVICE LOOP OF THE OTHER CAT.6 CABLE AND THE 18/2 LVT AND LABEL BOTH CABLES "AVM–166B"
14. SUPPLY & INSTALL SINGLE GANG OUTLET BOX FLUSH MOUNTED IN EXISTING DROPPED DRYWALL CEILING. OUTLET BOX TO BE CENTRED ON DOOR AND LOCATED AS CLOSE TO DOOR AS POSSIBLE
15. ALLOW 1000mm OF CAT.6 CABLE AND TERMINATE ON RJ45 JACK. ALLOW 1000mm OF 18/2 LVT CABLE. LABEL BOTH CABLES "AVM–166B"
16. ALLOW 3000mm OF EACH CABLE. COIL EXCESS CABLE IN CONSOLIDATION BOX. LABEL EACH CABLE INDICATING WHICH DEVICE IT IS RELATED TO. (i.e. "C1–166C–A", "AV–166C–A","1S–166A", ETC.)
17. SUPPLY & INSTALL 300X300X150mm METAL BOX C/W PADLOCKABLE, HINGED COVER ABOVE ACCESSIBLE T–BAR CEILING. TERMINATE CAT.6 CABLE WITH RJ45 FEMALE JACK. LABEL CAT.6 CABLE "AVM–166B". ALLOW 1000mm OF CAT. 6 CABLE
18. SUPPLY & INSTALL 100mm SQUARE WEATHERPROOF RPVC BOX AT TOP OF WALL. INSTALL GPS ANTENNA INSIDE BOX AND ANTENNA CABLE IN 21mm EMT CONDUIT TO 'NTP' BOX INSIDE BLDG. (NOTE: ANTENNA CABLE IS 10 METRES LONG). CONFIRM EXACT MTG. LOCATION PRIOR TO ROUGH–IN. RPVC BOX MUST SEE THE SKY.
19. ALLOW 3000mm COIL OF EACH CAT.6 CABLE AND TERMINATE ON RJ45 FEMALE JACK. LABEL EACH CABLE INDICATING WHICH DEVICE IT IS RELATED TO. (i.e. "C1–166C–A", "AV–166C–A","1S–166A", ETC.)



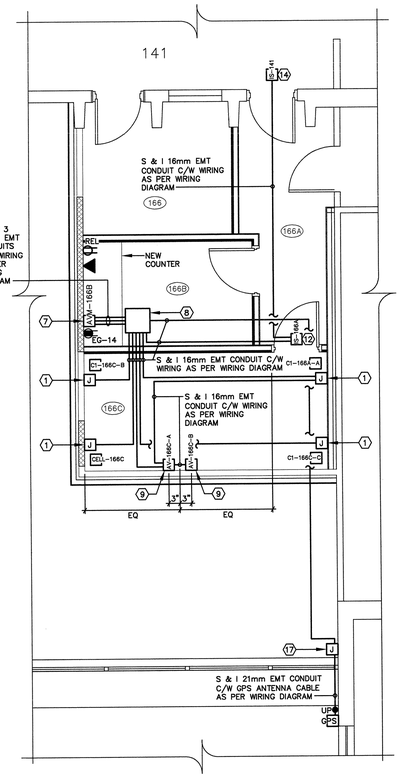
INTERVIEW ROOM AUDIO/VIDEO (IRAVE) EQUIPMENT WIRING DIAGRAM

NOTES:

1. ALL CABLE LABELS TO BE BLACK BOLD FACE LETTERING ON WHITE BACKGROUND, SELF–ADHESIVE LABEL WRAPPED AROUND CABLE. (NO HAND WRITTEN LABELS WILL BE ACCEPTED).
2. PROVIDE PULL STRING IN ALL CONDUITS FOR FUTURE CABLES.
3. TEST AND CERTIFY ALL CATEGORY 6 CABLE FOR CATEGORY 6 PERMANENT LINK TEST CERTIFICATION. SUBMIT TEST RESULTS AND MINIMUM 10 YEAR WARRANTY/CERTIFICATION TO DEPARTMENTAL REPRESENTATIVE.
4. ALL CATEGORY 6 CABLE TO BE 4PR., 24AWG, SOLID COPPER, WITH GREEN JACKET.
5. ALL CATEGORY 6 RJ45 FEMALE JACKS TO BE WHITE COLOR AND TERMINATED TO T568A PIN/PAIR ASSIGNMENTS.
6. ALL FEMALE CATEGORY 6 JACKS TO BE SUITABLE FOR SOLID COPPER WIRE.
7. ALL FACEPLATE LABELS TO BE BLACK BOLD FACE LETTERING ON WHITE BACKGROUND. (NO HAND WRITTEN LABELS WILL BE ACCEPTED).
8. SHIELDED CABLE TO BE "WEST PENN 452" OR APPROVED EQUIVALENT.



MAIN FLOOR PLAN - EXISTING (DEMOLITION)
SCALE 1:50



INTERVIEW ROOM AUDIO/VIDEO EQUIPMENT PLAN
SCALE 1:50

0 10 20 30 40 50 60 70 80 90 100mm

PWGSC – B1 – 1000X707

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région de Pacifique

Revision/ Revision	Description/Description	Date/Date
5		
4	PROGRESS DRAWING	2016.03.29
3	PROGRESS DRAWING	2016.02.16
2	PROGRESS DRAWING	2016.02.05
1	PROGRESS DRAWING	2016.01.26
0	PROGRESS DRAWING	2016.01.12

Client/client

CORRECTIONAL SERVICE CANADA

Project title/Titre du projet

ABBOTSFORD, B.C.
33344 KING ROAD

MATSQUI INSTITUTION UNIT M2C AND M2T1 CONVERT TD TO JC UNIT

Consultant Signature Box Only

Designed by/Concept par
T. JEREB

Drawn by/Dessine par
T. JEREB

PWGSC Project Manager/Administrateur de Projets TPSGC
TONY TANG

PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSGC
PREETIPAL PAUL

Drawing title/Titre du dessin

RCMP INTERVIEW AREA
MAIN FLOOR PLANS
ELECTRICAL

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — G. P. ROBERTSHAW — 18 APR 2016

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.077188.001	E1 OF 1	4

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