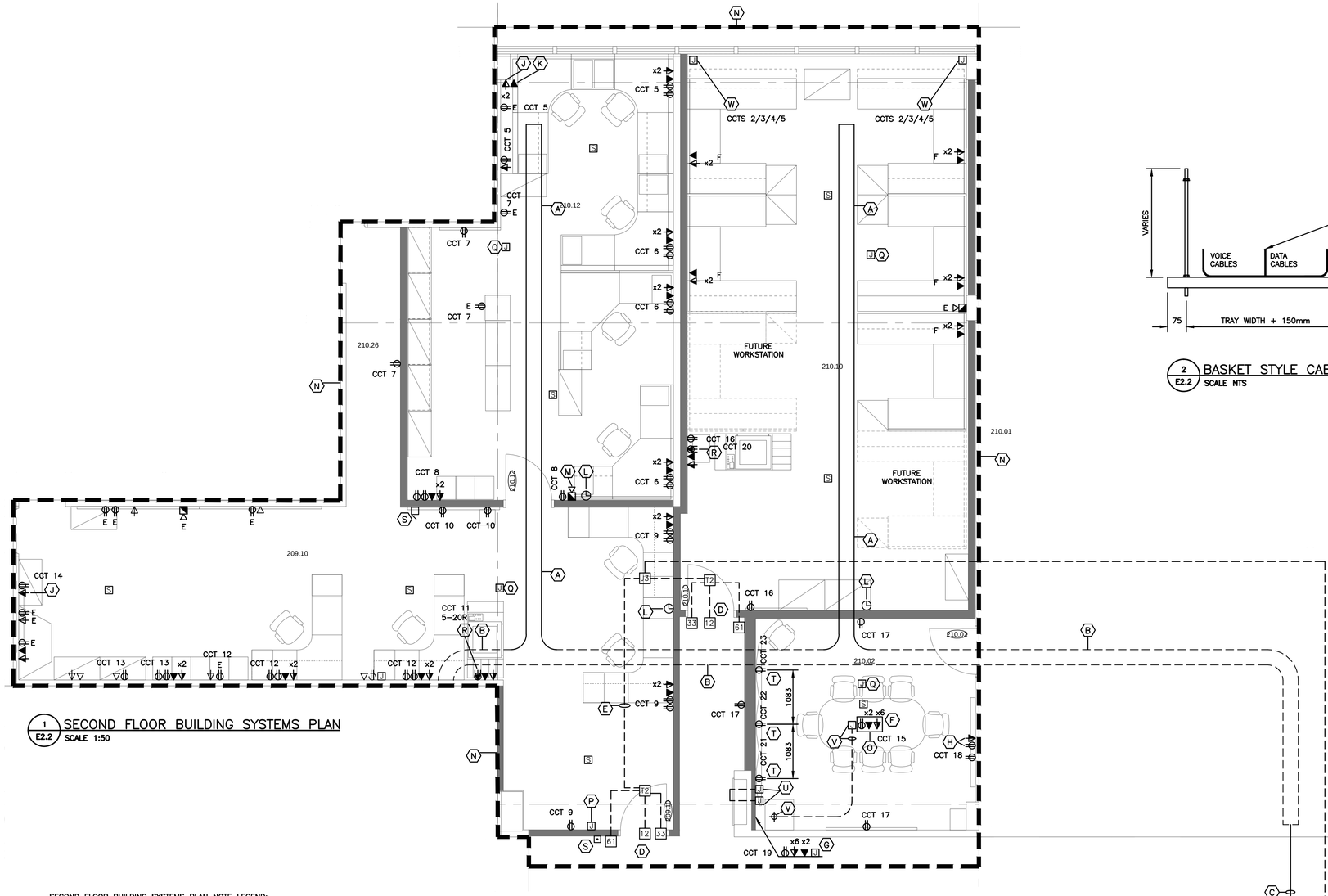
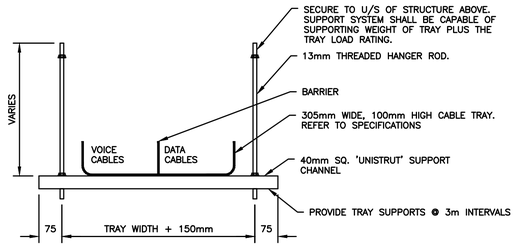


1 E2.2 SECOND FLOOR BUILDING SYSTEMS PLAN
SCALE 1:50



2 E2.2 BASKET STYLE CABLE TRAY SUSPENSION DETAIL
SCALE NTS

SECOND FLOOR BUILDING SYSTEMS PLAN NOTE LEGEND:

(A) INSTALL NEW CABLE TRAY IN CEILING SPACE PRIOR TO NEW T-BAR CEILING BEING INSTALLED. REFER TO SPECIFICATIONS. CONNECT TO EXISTING CABLE TRAY USING T STYLE CONNECTORS. REFER TO DETAIL 2/E2.2.

(B) EXISTING CABLE TRAY IN CEILING SPACE TO REMAIN.

(C) INSTALL 2-53mm CONDUITS FROM EXISTING CABLE TRAY TO LAN ROOM FOR NEW COMMUNICATIONS CABLING. REMOVE ALL EXISTING UNUSED COMMUNICATIONS CABLING FROM RENOVATION AREA IN EXISTING CONDUITS. CORE WALLS AND REMOVE AND REPLACE METAL LINEAR CEILING AS REQUIRED TO INSTALL CONDUITS. COMPLETE CORING AND WORK IN TENANT SPACE BELOW BOARDROOM BETWEEN THE HOURS OF 5:00PM AND 7:00AM OR ON WEEKENDS. SCHEDULE WORK PRIOR TO BEGINNING WITH DEPARTMENTAL REPRESENTATIVE.

(D) INSTALL SECURITY SYSTEM JUNCTION BOXES AND CONDUIT. REFER TO DETAIL 1/E3.3.

(E) SECURITY CONDUIT TO BE SIZED AS REQUIRED TO ACCOMMODATE ALL CABLES. MINIMUM SIZE TO BE 16mm. CONDUIT TO RUN TO SECOND FLOOR LAN ROOM AND THEN DOWN TO X2 CABINET IN ROOM 100.12 BELOW. RUN CONDUIT CONCEALED IN CEILING SPACE.

(F) RUN ONE (1) DATA COMMUNICATIONS DROP FROM THIS LOCATION TO SECOND FLOOR RADIO ROOM. REFER TO DETAIL 4/E3.1.

(G) INSTALL RECESSED PLASTER RING C/W 41mm CONDUIT C/W PULLWIRE TO CEILING SPACE. PROVIDE 41mm GROMETTED STAINLESS STEEL COVER PLATE AT WALL LOCATION.

(H) INSTALL DEVICES ON WALL, 305mm ABOVE T-BAR CEILING.

(J) EXISTING DATA OUTLET LOCATION TO REMAIN. PROVIDE NEW CABLING, JACKS AND COVERPLATE AS PER SPECIFICATIONS.

(K) EXISTING VOICE OUTLET LOCATION TO REMAIN. PROVIDE NEW CABLING, JACKS AND COVERPLATE AS PER SPECIFICATIONS.

(L) SUPPLY AND INSTALL WALL RECESSED, DUKANE SECONDARY DIGITAL CLOCK. CONNECT NEW CLOCK TO EXISTING BUILDING TIME MANAGEMENT HEAD END EQUIPMENT LOCATED AT SECURITY ROOM AT THE BUILDING ENTRANCE ON MAIN FLOOR. CLOCK SHALL BE COMPLETE WITH 50mm, RED LED NUMERALS. DUKANE #24D20A.

(M) SUPPLY NEW FIRE ALARM SYSTEM HORN/STROBE CONNECTED TO EXISTING BUILDING FIRE ALARM SYSTEM. NEW DEVICE TO MATCH EXISTING. REFER TO SPECIFICATIONS.

(N) RENOVATION AREA. REMOVE ALL EXISTING ELECTRICAL DEVICES AND EQUIPMENT WITHIN DASHED AREA, UNLESS NOTED OTHERWISE. REMOVE ALL ABANDONED WIRE, CONDUIT AND COMMUNICATIONS CABLING. PROVIDE NEW DEVICES AND EQUIPMENT AS INDICATED. PROVIDE BLANK STAINLESS STEEL COVERPLATES WHERE ABANDONED DEVICE LOCATIONS ARE NOT COVERED BY NEW WALL FINISHES.

(O) INSTALL DEVICES IN RECESS POKE THROUGH BELOW TABLE. REFER TO SPECIFICATIONS. CONFIRM POKE THROUGH LOCATION ON SITE WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO ROUGH IN. PROVIDE ALL CORING AS REQUIRED TO INSTALL POKE THROUGH. COORDINATE ACCESS TO TENANT SPACE BELOW WORK AREA WITH DEPARTMENTAL REPRESENTATIVE. REMOVE AND REPLACE EXISTING CEILING TILES IN ADJACENT TENANT SPACES AS REQUIRED TO INSTALL NEW CONDUIT, WIRE AND CABLING. COMPLETE WORK IN ADJACENT TENANT SPACE BETWEEN THE HOURS OF 5:00PM AND 7:00AM OR ON WEEKENDS. SCHEDULE WORK PRIOR TO BEGINNING WITH DEPARTMENTAL REPRESENTATIVE.

(P) CONNECT ALL BUILDING PAGING SPEAKERS IN RENOVATION AREA WITH CABLING IN CONDUIT. RUN CABLING IN CONDUIT FROM AREAS SPEAKERS TO THIS LOCATION FOR CONNECTION TO BUILDING PAGING SYSTEM BY DEPARTMENTAL REPRESENTATIVE.

(Q) PROVIDE 120V NORMAL POWER CONNECTION TO MECHANICAL VAV BOX IN CEILING SPACE.

(R) CIRCUIT RECEPTACLE TO A SEPARATE 20A-1P BREAKER IN NEAREST AVAILABLE 120V NORMAL POWER PANEL.

(S) PROVIDE AND INSTALL WIRED, ENTRANCE DOORBELL CHIME KIT C/W TRANSFORMER AND ONE NON-ILLUMINATED PUSH BUTTON AT ENTRANCE TO 209.10. CHIME SHALL BE ONE TWO NOTE CHIME, WHITE IN COLOR. INSTALL TRANSFORMER ADJACENT PANEL IN ELECTRICAL ROOM.

(T) INSTALL RECEPTACLE IN PASS & SEYMOUR TV1WW RECESSED WALL BOX. INSTALL RECEPTACLES AT 1775mm A.F.F.

(U) INSTALL 2 GANG RECESSED PLASTER RING ADJACENT T.V. RECEPTACLE AT 1500mm A.F.F. FROM UPPER 2 GANG RECESSED PLASTER RING, RUN 76mm C/W PULLWIRE TO LOWER RECESSED PLASTER RING LOCATED AT 400mm A.F.F. FOR FUTURE OWNER CABLING.

(V) CORE CONCRETE FLOOR AND INSTALL 1-103mm CONDUIT C/W PULLWIRE FROM FLOOR LOCATION BELOW OWNER SUPPLIED CABINET UP TO LOCATION BELOW OWNER SUPPLIED TABLE IN CENTRE OF ROOM. RUN CONDUIT ON UNDERSIDE OF SECOND FLOOR FLOOR STRUCTURE. INSTALL HILTI 4" FIRESTOP SPEED SLEEVE #CP-653 AT EACH FLOOR PENETRATION. SEAL GAPS AROUND FIRESTOP SLEEVES ON BOTH SIDES OF FLOOR STRUCTURE WITH FIRESTOP SEALANT. CONFIRM CONDUIT PENETRATION LOCATIONS ON SITE WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO CORING. PROVIDE ALL CORING AND FIRESTOPPING AS REQUIRED. COMPLETE CORING AND WORK IN TENANT SPACE BELOW BOARDROOM BETWEEN THE HOURS OF 5:00PM AND 7:00AM OR ON WEEKENDS. SCHEDULE WORK PRIOR TO BEGINNING WITH DEPARTMENTAL REPRESENTATIVE.

(W) PROVIDE POWER AND COMMUNICATIONS CABLING SERVICES TO THE OWNER SUPPLIED SYSTEMS FURNITURE. POWER CONNECTIONS SHALL BE MADE AT THE WALL UTILIZING THE MULTI-CONDUCTOR TECH CABLE SUPPLIED WITH THE SYSTEMS FURNITURE. PROVIDE A 100mm SQUARE, DEEP BOX MOUNTED UP 200mm AFF COMPLETE WITH BLANK COVERPLATE. MAKE CONNECTIONS WITHIN BOX. CONNECTIONS SHALL CONSIST OF 8 WIRES (4C+2N+2G). COMMUNICATIONS CABLING SHALL BE RUN FROM THE WALL. PROVIDE A 150mm SQUARE, DEEP BOX ADJACENT TO POWER CONNECTION COMPLETE WITH A 53mm, GROMMETTED HOLE COVERPLATE AND 53mm CONDUIT TO CEILING SPACE. COMMUNICATIONS CABLING SHALL BE RUN DOWN CONDUIT, THROUGH GROMMETTED HOLE AND INTO BASE FURNITURE WIREWAY AND TERMINATED ON OUTLETS AS INDICATED. REFER TO SECOND FLOOR TYPICAL DATA AND VOICE CABLING SCHEMATICS, DRAWING E3.1.

PWGSC – A1 – 841X594

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

Public Works and Government Services Canada
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REAL PROPERTY SERVICES
Western Region

ASSOCIATION OF PROFESSIONAL ENGINEERS OF SASKATCHEWAN
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DISCIPLINE ELECTRICAL SASK. REG. No. 6938 SIGNATURE

PROFESSIONAL ENGINEER B.C. NOVAK MEMBER 6438 YR. MN. DAY 13 06 26 SASKATCHEWAN

revisions	description	date

Client
R.050172.002 FOR PWGSC

project title
OFFICE RENOVATIONS

REGINA, SASKATCHEWAN

approved by

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PLJ

drawn by
PLJ

PWGSC Project Manager
MJ

PWGSC, Architectural and Engineering Resources Manager
KD

Client
KL

drawing title
SECOND FLOOR BUILDING SYSTEMS PLAN

project no.	sheet	revision no.
R.050172.001	E2.2	