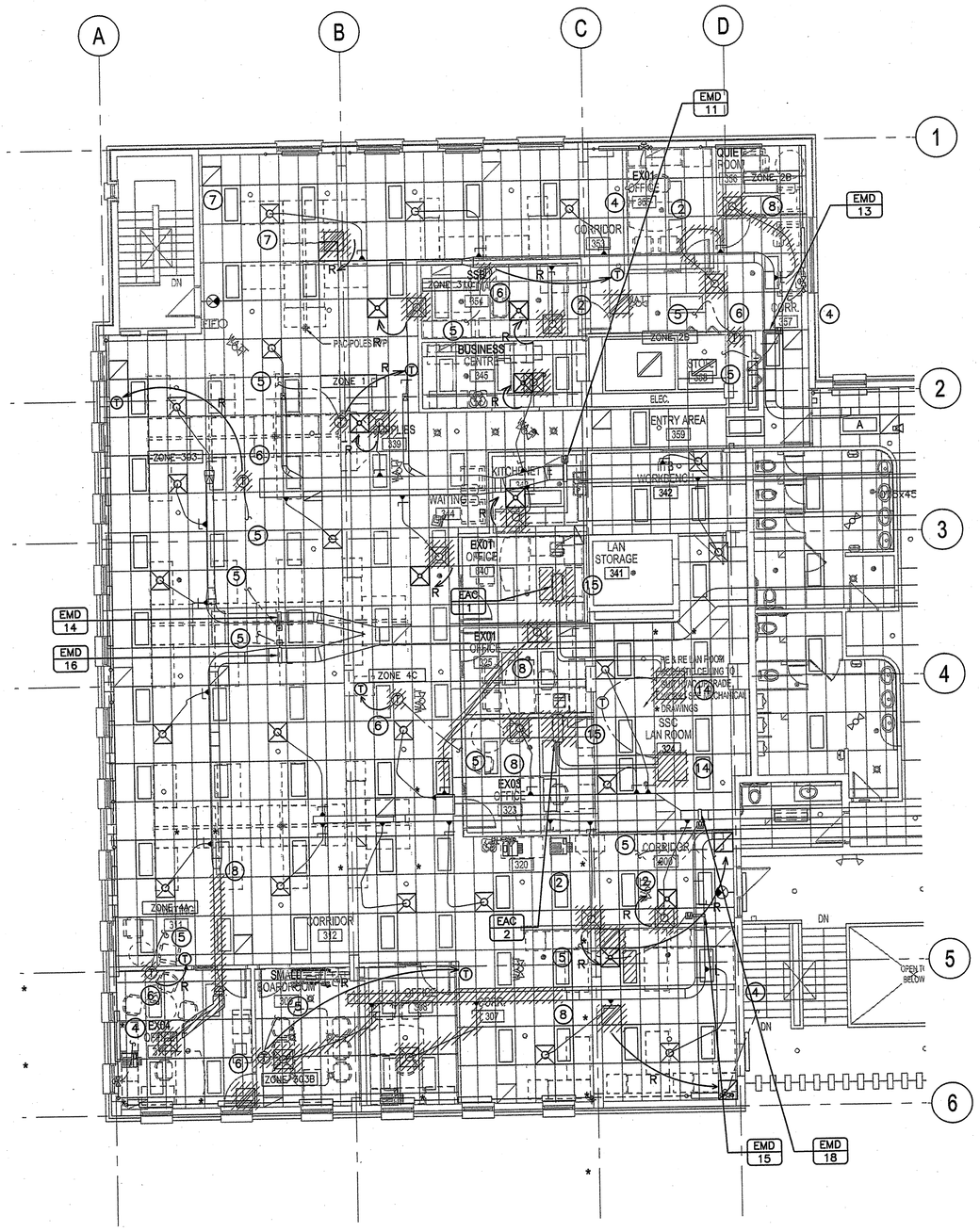
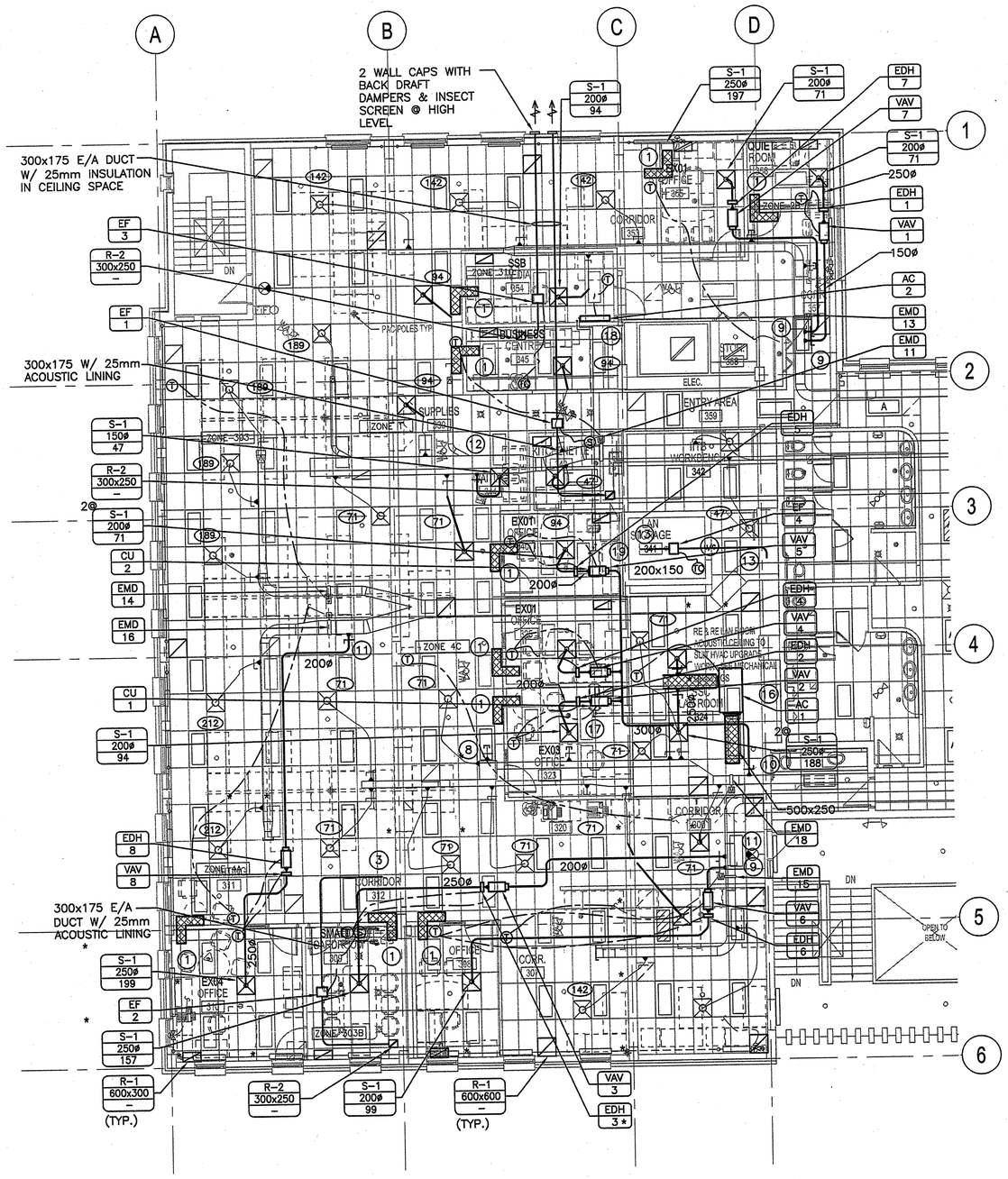


1 M101 THIRD FLOOR DEMOLITION PLAN - HVAC

SCALE: 1:100



2 M101 THIRD FLOOR NEW CONSTRUCTION PLAN - HVAC

SCALE: 1:100

GENERAL NOTES:

1. PROVIDE CLEANING FOR THE ALL EXISTING AND NEW DUCTS, HVAC EQUIPMENT ETC., SEE MECHANICAL SPEC. FOR DETAIL.
2. RE-COMMISSION SYSTEM WHERE MECHANICAL EQUIPMENT HAS BEEN RENOVATED.
3. REMOVE ALL REDUNDANT AND ABANDONED CONTROLS WIRING.
4. CONTRACTOR TO PROVIDE SEISMIC RESTRAINT FOR ALL EXISTING AND NEW MECHANICAL SYSTEMS (INCLUDING DUCTS, DIFFUSERS, EQUIPMENT ETC.) IN THE BUILDING. SEE MECHANICAL SPECS FOR DETAIL REQUIREMENT.
5. BRANCH DUCT SIZE SHALL BE THE SAME AS THE NECK SIZE OF EACH CONNECTED DIFFUSER, UNLESS OTHERWISE NOTED.
6. PROVIDE A FIRE DAMPER AT ALL EXISTING AND NEW DUCTS' PENETRATION OF FIRE RATED WALLS, FLOORS.

KEYNOTES:

1. 300x250 L-SHAPE TRANSFER DUCT, EACH SIDE TO BE MIN. 900mm LONG W/ 25mm ACOUSTIC LINING @ CEILING SPACE. (TYP.)
2. RELOCATE S/A DIFFUSER TO MATCH NEW ARCH. BACKGROUND W/ ASSOCIATED DUCT, BALANCING DAMPER. (TYP.)
3. 250x175 E/A DUCT TO BE TERMINATED IN CEILING SPACE W/ 25mm ACOUSTIC LINING, WIRE MESH AT THE END.
4. EXISTING TWO-WAY CONTROL VALVE AND ASSOCIATED CONTROL WIRING TO REMAIN.
5. EXISTING CONTROL WIRING CONNECTED TO EXISTING DDC CONTROL PANEL FOR MOTORIZED DAMPERS AND T-STATS TO REMAIN.
6. RELOCATED EXISTING T-STATS TO BE WIRED TO EXISTING MOTORIZED DAMPERS AND DDC CONTROL SYSTEM.
7. EXISTING S/A, R/A DIFFUSERS AND LOUVERS TO REMAIN (TYP.).
8. EXISTING S/A DUCT TO BE DEMOLISHED AND CAPPED OFF IN CEILING SPACE.
9. 150ø S/A DUCT TO BE CONNECTED TO EXISTING DUCT MAIN FOR ROOM 356.
10. 200ø S/A DUCT TO BE CONNECTED TO EXISTING DUCT MAIN FOR ROOM 323,325,340.
11. 200ø S/A DUCT TO BE CONNECTED TO EXISTING DUCT MAIN FOR ROOM 301A, 302A.
12. 150ø S/A DUCT TO BE CONNECTED TO EXISTING DUCT MAIN FOR ROOM 344.
13. 200x150 E/A DUCT TO BE TERMINATED IN CEILING SPACE W/ 25mm ACOUSTIC LINING, WIRE MESH AT THE END.
14. EXISTING SPLIT INDOOR AC UNITS TO BE DEMOLISHED W/ ASSOCIATED REFRIGERANT TUBES, CONDENSING DRAIN, AND CONTROL WIRING.
15. EXISTING SPLIT OUTDOOR CU UNITS TO BE DEMOLISHED W/ ASSOCIATED REFRIGERANT TUBES, CONDENSING DRAIN, AND CONTROL WIRING.
16. INDOOR AC-1 UNIT FOR THE SERVER ROOM ON THIRD FLOOR TO BE INSTALLED IN CEILING SPACE WITH REFRIGERANT TUBES, CONTROL WIRING, 12ømm DOW FOR HUMIDIFIER, AND 18ømm CONDENSATE DRAIN TO BE CONNECTED TO THE NEAREST UP STREAM OF "P" TRAP OF LAV. SEE MANUFACTURES MANUAL FOR DETAIL REQUIREMENTS. EXACT LOCATION TO BE VERIFIED ON SITE.
17. OUTDOOR CU-1 UNIT FOR AC-1 TO BE INSTALLED ON ROOF WITH REFRIGERANT TUBES, CONTROL WIRING, MIN.100mm HIGH HOUSE KEEPING PAD. SEE MANUFACTURES MANUAL FOR DETAIL REQUIREMENTS. EXACT LOCATION TO BE VERIFIED ON SITE.
18. INDOOR AC-2 UNIT FOR THE MEDIA ROOM ON THIRD FLOOR TO BE INSTALLED ON WALL AT HIGH LEVEL WITH REFRIGERANT TUBES, CONTROL WIRING, AND 18ømm CONDENSATE DRAIN TO BE CONNECTED TO THE NEAREST UP STREAM OF "P" TRAP OF LAV. SEE MANUFACTURES MANUAL FOR DETAIL REQUIREMENTS. EXACT LOCATION TO BE VERIFIED ON SITE.
19. OUTDOOR CU-2 UNIT FOR AC-2 TO BE INSTALLED ON ROOF WITH REFRIGERANT TUBES, CONTROL WIRING, MIN.100mm HIGH HOUSE KEEPING PAD. SEE MANUFACTURES MANUAL FOR DETAIL REQUIREMENTS. EXACT LOCATION TO BE VERIFIED ON SITE.

NORTH

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

PWGSC-B1-1000x707

Public Works and Government Services Canada
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Pacific Region
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Consultants:

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA K. ZHENG 23547 ELECTRICAL ENGINEER
JUL 15 2014

Revision/ Revision	Description/Description	Date/Date
4	REVISED & REISSUED FOR TENDER	07/15/14
3	ISSUED FOR PERMIT	06/27/14
2	ISSUED FOR TENDER	06/17/14
1	ISSUED FOR 99% REVIEW	05/23/14

Client/client

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project title/Titre du projet

HARRY STEVENS BUILDING
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125 EAST 10TH AVENUE
VANCOUVER, BC

Consultant Signature Only
-

Designed by/Concept par
KZ

Drawn by/Dessine par
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Tom Dunphy

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Preetipal Paul

Drawing title/Titre du dessin

THIRD FLOOR NEW CONSTRUCTION PLAN - HVAC

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
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