

3 EXISTING R/A & EXHAUST DUCTWORK IN LOCKER ROOM AREA, TO REMAIN IN SERVICE, NOT SHOWN ENTRELY, NIC

4 NEW REHEAT COIL, APPROX. DIMS 1000mm WIDE x 525mm HIGH, AT APROXX. SAME LOCATION; SE-CONNECT PRING TO NEW REHEAT COIL, C/W NEW 3-WAY TEMPERATURE CONTROL VALVE. PROMDE NEW DUCT TEMPATORS TO SUIT 5 RE-CONNECT EXISTING DUCT BRANCHES TO NEW DUCTWORK

6 EXISTING DUCTWORK, AIR TERMINALS, BALANCING DAMPERS TO REMAIN IN SERVICE, WHERE NOTED,

(8) EXISTING REHEAT COIL TO REMAIN IN SERVICE; INSTALL NEW 3-WAY TEMPERATURE CONTROL VALVE

 $\stackrel{10}{\frown}$  NEW FUME HOOD S. STEEL EXHAUST DUCT, THRU CEILING SPACE TO EXISTING OPENING TO BE RE-USED. PROVIDE BALANCING DAMPER (TBD)

DIFFUSER/GRILLE SCHEDULE

350/600X600/SCDA/3/3C/B12

300X300/80/3/3C/B12

(11) EXISTING ROOF OPENING & ROOF CURB TO BE RE-USED FOR NEW FUME HOOD DUCT.

 $\left\langle \mathbf{7} \right\rangle$  1 HOUR FIRE RATED WALL; PROVIDE FIRE DAMPER TO MATCH WALL RATING.

 $\left\langle 9 \right\rangle$  NEW LAB FUME HOOD.

TAG MANUFACTURER

E.H. PRICE

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2) NEW AIR SUPPLY DUCTWORK, FROM NEW AIR HANDLING UNIT THRU OUT CEILING SPACE, AS SHOWN; DUCT INSULATED; PROMDE BASE ELBOW DRIP PAN, SOLDERED WATERTIGHT

COMMENTS

SCREAN SCREAM SCREAM NEW YAW BOX, VAV-1, 2 POSITIONS, 50% & 100%, C/W DISCHARGE SILENCER BOX; SUPPORT AR VALVE FROM ROOF JOISTS

FUME HOOD EXHAUST STACK, MIN. 3000mm HEIGHT, C/W EXIT VELOCITY CONE; STACK CONSTRUCTED WITH PS SS CHIMNEY PIPE & FITTINGS; SEE MECHANICAL DETAIL (15) NEW RETURN AIR GRILLES, RG-1, FINAL LOCATION TO BE CO-ORDINATED WITH CEILING LAYOUT 16 NEW 600x600 RETURN GRILLE, RG-1; CONNECTED TO EXISTING DUCTS.

5) NEW AIR HANDIUNG UNIT, AHU-1 (M621-F42) AT SAME LOCATION AS THE REMOVED UNIT; LOCATE UNIT IN SUCH OF MANNER THAT NEW SUPPLY AND RETURN OPENNES ARE APPROX. AT SAME LOCATIONS AS PREVIOUS UNIT OPENNES, REMOVER AGO FOREWING AS REQUIRED TO SUIT; ROOF CURB, 450mm HIGH TO SUIT NEW UNIT; ROOF CURB DETAIL BY ARCHITECTURAL.

6 NEW CONDENSING UNIT, CU-1 (M621-CU1); PROVIDE NEW ROOF RECYCLED RUBBER PAD; SEE ARCHITECTURAL FOR DETAILS, FINAL LOCATION TO BE CO-ORDINATED WITH STRUCTURAL

 $\left\langle \overline{7} \right\rangle$  provide New GUY WIRES, TYP.x4, ANCHORED TO EXISTING ROOF ANCHORS.

8 FIELD RUN REFRIGERATION LINES BETWEEN CU-1 & AHU-1 DX COIL; SUPPORT LINE ON ROOF SIFFPERS

NO. REVISIONS

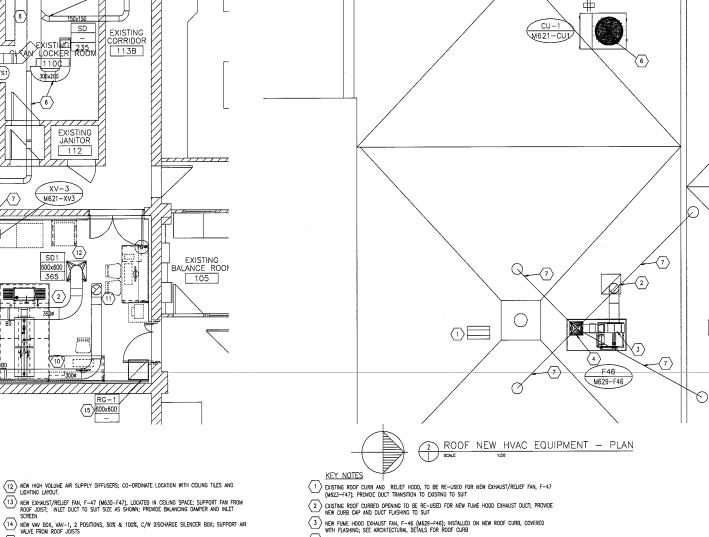
ALLIANCEEngineering Services Inc.

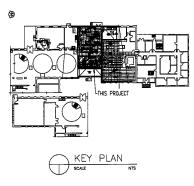
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M621-F42

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## GENERAL NOTES

- PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND CITY INSPECTIONS REQUIREMENTS.
- COORDINATE WORKS WITH OTHER SUB-TRADES. REFER TO SPECIFIC DETAILS FOR CUTTING AND SEALING PENETRATIONS THROUGH OPENINGS & FIRE SEPARATIONS.
- REFER TO TECHNICAL SPECIFICATIONS FOR EQUIPMENT AND MATERIAL SPECIFICATIONS AND INSTALLATION AND CONSTRUCTION REQUIREMENTS.
- CONSTRUCTION REQUIREMENTS.

  INSULATE PLUMBING PIES AND DUCTWORK WHERE INDICATED AND AS SPECIFIED.

  SUPPORT ALL PLUMBING LINES AND DUCTWORK TO MEET CODE REQUIREMENTS & ESTABLISHED INDUSTRY TRADE PRACTICES, (SMACNA, ASHRAE).
- INVESTIGATE SITE PRIOR TO CONSTRUCTION TO CONFIRM ALL DIMENSIONS AND INSTALLATION REQ'S.
- PERFORM ALL CUTTING & PATCHING NECESSARY FOR ANY REQUIRED OPENINGS THRU WALLS, ROOF AND FLOOR. PROVIDE TAB TO ENSURE AIR DISTRIBUTION TO VOLUMES INDICATED.
- NOT ALL EQUIPMENT/PIPING, ETC. IS SHOWN.
- PROVIDE FIRE STOPS AT ALL FIRE RATED WALLS/FLOOR OPENINGS TO MATCH EXISTING RATING
- 11. ALL NEW SUPPLY AND EXHAUST DUCT INSULATED. SEE SPECIFICATIONS FOR DETAILS.

  12. PRIOR TO TESTING AND BALANCING NEW SYSTEM, CONSISTING OF EXISTING AND NEW DUCTWORK, VISUALLY INSPECT AND CLEAN EXISTING DUCTWORK REMAINING IN SERVICE.

## NOTE

THE CITY OF WINNIPGE PERSONNEL REQUIRES THE USE OF EXISTING SHOWER ROOM (110B) AND EXISTING CLEAN LOCKER ROOM (110D) AT THE BEGINNE AND END OF EACH WORK DAY FOR CITY PERSONNEL TO SHOWER AND CHANGE WORK IN ROOMS 110B, 110C, 110D IS RESTRICTED TO BETWEEN BOO AND 15:30 HOURS TO ACCOMMODATE CITY USE OF THE FACILITY. CLEANUP WASTE AND DEBTS AT THE END OF EACH WORK DAY AND LEAST THE CHORD CENTRAL WORK IN ROOMS 100B. 110C, 110D CAN BE PERFORMED IN THE EVENING ORDER, ALTERRATING WORK IN ROOMS 110B, 110C, 110D CAN BE PERFORMED IN THE EVENING OR

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FIELD BOOK #: B.M. ELEV SEAL **APEGI** THE CITY OF WINNIPEG POSTED TO LBIS Winnipeg Manitoba Canada R3B 0P4 t: (204) 942.0681 f: (204) 943.8676 WATER AND WASTE DEPARTMENT Winnipeg Ш Alliance Engineering Services Inc. No.2906 Date: \_ ORTH END WATER POLLUTION CONTROL CENTRE CHECKED DESIGNED LAB RENOVATIONS 2011-08-30 AG BY APPROVED 3 ISSUED FOR FINAL REVIEW 2 ISSUED FOR REVEW 2011-65-00 AG
1 ISSUED FOR REVIEW 2011-65-00 AG
A ISSUED FOR PROJECT COORDINATION 2011-65-66 AG VERTICAL ONSULTANT DRAWING NO. NEW VENTILATION -RELEASED FOR CONSTRUCTION HOR SCALE M2.2 PLANS

DATE