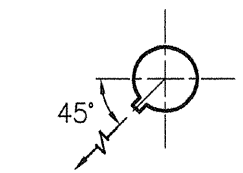


DRAWING NOTES:

- 1 REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL PROP FANS. COORDINATE WITH ALL TRADES PRIOR TO THE INSTALLATION OF EQUIPMENT.
- 2 PROVIDE HEAVY DUTY PROTECTIVE WIRE CAGE AROUND PROP FAN.
- 3 ROOF MOUNTED CONDENSING UNIT TO SERVE FAN COIL UNITS. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
- 4 SUPPLY AIR GRILLES INSTALLED IN WALL AT HIGH LEVEL BLOWING INTO CLOREESTORY. (TYPICAL)
- 5 LOUVER INSTALLED AT HIGH LEVEL IN WALL ABOVE CLOREESTORY ROOF. LOUVER COLOUR AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
- 6 GAS FIRED AHU-1 COMPLETE WITH SPRING TYPE VIBRATION ISOLATION INSTALLED ON 100mm (4") CONCRETE HOUSEKEEPING PAD. PIPE AHU-1'S COOLING COIL CONDENSATE DRAIN PAN TO THE NEAREST SUITABLE FUNNEL FLOOR DRAIN. FOR GAS FIRED AHU-1 PROVIDE CHIMNEY, COMBUSTION AIR, AND VENTILATION AIR DUCTS TO MEET THE REQUIREMENTS OF THE GAS CODE AND THE AUTHORITIES HAVING JURISDICTION. PROVIDE COMBUSTION AIR AND VENTILATION AIR FROM MUSHROOM STYLE INTAKE HOODS LOCATED ON THE ROOF. TERMINATE DUCTS IN MECHANICAL ROOM AS PER GAS CODE AND THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
- 7 1200mm (48")x450mm (18") OUTSIDE AIR INTAKE DUCT, LOCATED BETWEEN THE JOISTS, UP TO MUSHROOM STYLE INTAKE HOOD ON THE ROOF. REFER TO MUSHROOM STYLE HOOD DETAIL. PAINT HOOD COLOUR AS DIRECTED BY CONTRACT ADMINISTRATOR.
- 8 HRV-1 SUSPENDED FROM STRUCTURE AT HIGH LEVEL COMPLETE WITH SPRING TYPE VIBRATION ISOLATION. PROVIDE A SEPARATE BACKDRAFT DAMPER FOR EACH BATHROOM/HANTORS ROOM EXHAUST DUCT AND GENERAL ROOM EXHAUST DUCT AT THE POINT WHERE THEY CONNECT TO THE EXHAUST PLENUM AT HRV-1. PIPE HRV-1'S DRAIN PAN TO THE NEAREST SUITABLE FUNNEL FLOOR DRAIN. LEAVE 1220mm (48") CLEAR ON SERVICE SIDE FOR SERVICING.
- 9 800mm (32") x 400mm (16") ELECTRIC HEATING COIL INSTALLED IN THE OUTSIDE AIR SUPPLY DUCTWORK. REFER TO HRV-1 DETAIL.
- 10 BATHROOM EXHAUST AIR DUCTWORK TO RUN TO EXHAUST AIR PLENUM AT HRV-1. EXHAUST DUCT TO CONNECT TO EXHAUST AIR PLENUM AT HRV-1 WITH A BACKDRAFT DAMPER.
- 11 1200mm (48")x450mm (18") RELIEF AIR DUCT, LOCATED BETWEEN THE JOISTS, UP TO MUSHROOM STYLE RELIEF AIR HOOD ON THE ROOF. REFER TO MUSHROOM STYLE HOOD DETAIL. PAINT HOOD COLOUR AS DIRECTED BY CONTRACT ADMINISTRATOR.
- 12 LOCATE INTAKE OF MAU-1 A MINIMUM OF 3 METERS (10 FT) FROM DISCHARGE OF EF-1.
- 13 600mm (24") x 500mm (20") INTAKE AIR DUCT LOCATED BETWEEN THE JOISTS UP TO MUSHROOM STYLE INTAKE AIR HOOD ON THE ROOF. REFER TO MUSHROOM STYLE HOOD DETAIL. PROVIDE WATER TIGHT DRIP PAN UNDER DUCT OPENINGS. PAINT HOOD COLOUR AS DIRECTED BY CONTRACT ADMINISTRATOR.
- 14 EXHAUST FAN ON ROOF. PROVIDE WATER TIGHT DRIP PAN UNDER DUCT OPENINGS.
- 15 INSTALL GRILLE WITH ITS DISCHARGE BLOWING 45 DEGREES DOWN FROM A HORIZONTAL PLANE. (TYPICAL)
- 16 OPPOSED BLADE MODULATING MOTORIZED DAMPER CONTROLLED BY DDC SYSTEM.
- 17 DX COIL IN SUPPLY DUCTWORK DOWN STREAM OF HRV-1. PROVIDE SMOOTH TRANSITIONS FROM DUCT SIZE TO COIL SIZE. PIPE CONDENSATE DRAIN TO NEAREST SUITABLE DRAIN.



NOTES:

THIS DRAWING MUST BE SCALED.
 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATA, AND LEVELS PRIOR TO COMMENCEMENT OF WORK. ALL ERRORS AND OMISSIONS TO BE REPORTED TO THE CONTRACT ADMINISTRATOR BEFORE PROCEEDING.
 VARIATIONS AND MODIFICATIONS TO WORK SHOWN ON THESE DRAWINGS SHALL NOT BE CARRIED OUT WITHOUT WRITTEN PERMISSION OF THE CONTRACT ADMINISTRATOR.
 THIS DRAWING IS THE EXCLUSIVE PROPERTY OF NUMBER TEN ARCHITECTURAL GROUP AND THE CONTENTS HEREIN ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE CITY OF WINNIPEG.

GENERAL NOTES:

1. ALL INLET DUCTWORK ON FANCOIL UNITS SHALL BE INLET SIZED AND ACOUSTICALLY LINED. ALL SUPPLY AIR DUCTWORK OFF FANCOIL UNIT WILL BE ACOUSTICALLY LINED.
2. ALL FAN COIL UNITS TO BE SUSPENDED FROM STRUCTURE AND BETWEEN O.W.S.'S.
3. ALL DUCTWORK TO RUN AS HIGH AS POSSIBLE. COORDINATE ROUTING WITH PIPING AND ALL TRADES.
4. COORDINATE EXACT LOCATION OF GRILLES AND DIFFUSERS ON SITE WITH ELECTRICAL SUBCONTRACTOR, CONTRACTOR, ARCHITECTURAL REFLECTED CEILING PLAN, LIGHTING LAYOUT, ETC. TO ENSURE THAT THERE ARE NO CONFLICTS DURING INSTALLATION.
5. PROVIDE BALANCE DAMPERS AS SHOWN AND AS REQUIRED TO ALLOW PROPER BALANCING OF SYSTEM. PROVIDE OPPOSED BLADE DAMPERS WITH THE DIFFUSER AND ADJUSTABLE FROM THE DIFFUSE WHEN A DUCT MOUNTED BALANCE DAMPER WOULD NOT BE ACCESSIBLE.
6. SINGLE HATCHED DUCTWORK DENOTES DUCTWORK THAT IS TO BE ACOUSTICALLY LINED.
7. ALL DUCT DIMENSIONS DENOTE INTERNAL "FREE" AREA OF THE DUCT.
8. ALL DUCTWORK PENETRATING THE BUILDING THERMAL ENVELOPE SHALL BE INSULATED FOR A MINIMUM DISTANCE OF 3.0m (10'-0") BACK FROM THE BUILDING PENETRATION WITH 25mm (1") THICK KNAUF FIBERGLAS DUCT WRAP INSULATION COMPLETE WITH FOIL-SKRIM-KRAFT (FSK) COVERING.
9. REFER TO ARCHITECTURAL DRAWING. FIRE DAMPERS SHALL BE PROVIDED IN ALL WALLS DENOTED AS FIRE SEPARATIONS WHETHER SHOWN ON MECHANICAL PLANS OR NOT.
10. COORDINATE THE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT, DUCT OPENINGS AND DUCT LOCATIONS WITH STRUCTURAL.
11. PROVIDE SINGLE THICK NEW TURNING VANES WITH A TRAILING EDGE (AS DETAILED IN THE LATEST SMACNA DUCT DESIGN MANUAL) IN ALL "SQUARE ELBOWS".
12. DIFFUSER & REGISTER TAG.

#	QUANTITY
TYPE	MODEL TYPE
SIZE	NECK SIZE
WAVE	AIR CAPACITY

TOWER PROJECT NO. : 6150

TOWER ENGINEERING GROUP
 208 - 897 CROFTON AVE. WINNIPEG, MB. R3M 0W7
 TEL: (204) 925-1150 FAX: (204) 925-1155
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numberTEN architectural group
 WINNIPEG, MB 204 P42 0781
 VICTORIA, BC 250 360 2104

number 10
 architecture • interior design • graphic design

No.	REVISION/ISSUED/PLOTTED	DATE
1	DESIGN DEVELOPMENT SUBMISSION	31/AUG/07
2	ISSUED FOR 40% REVIEW	28/OCT/07
3	ISSUED FOR 80% REVIEW	07/DEC/07
4	ISSUED FOR 100% REVIEW	11/JAN/08
5	ISSUED FOR TENDER	18/JAN/08

NO.	REVISION/DESCRIPTION	BY	DATE
SEALS			

PROVINCE OF MANITOBA
J. ABIUSI
 REGISTERED PROFESSIONAL ENGINEER
 No. 1918 Expiry: April 30, 2008

APEGM
 Certificate of Authorization
 Tower Engineering Group
 No. 1918 Expiry: April 30, 2008

DRAWN BY LR CHECKED BY LR APPROVED
 DATE 2007.11.12 USER APPROVAL

CITY OF WINNIPEG
 PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT
 CIVIC ACCOMMODATIONS DIVISION
 300 - 65 GARRY ST. R3C 4K4

PROJECT
BRONX PARK COMMUNITY CENTRE
HOME OF GOOD NEIGHBOURS SENIOR CENTRE
 WINNIPEG, MB

SHEET TITLE
MEZZANINE FLOOR PLAN
VENTILATION LAYOUT

SCALE	PROJECT NO.	SHEET NO.
AS SHOWN	PP&D 2006-065	M-3.2

DRAWING SHEET SIZE: ARCH E1 (42" x 30") PLOT 1:1

MEZZANINE FLOOR PLAN - VENTILATION
 M-3.2 SCALE: 1:100