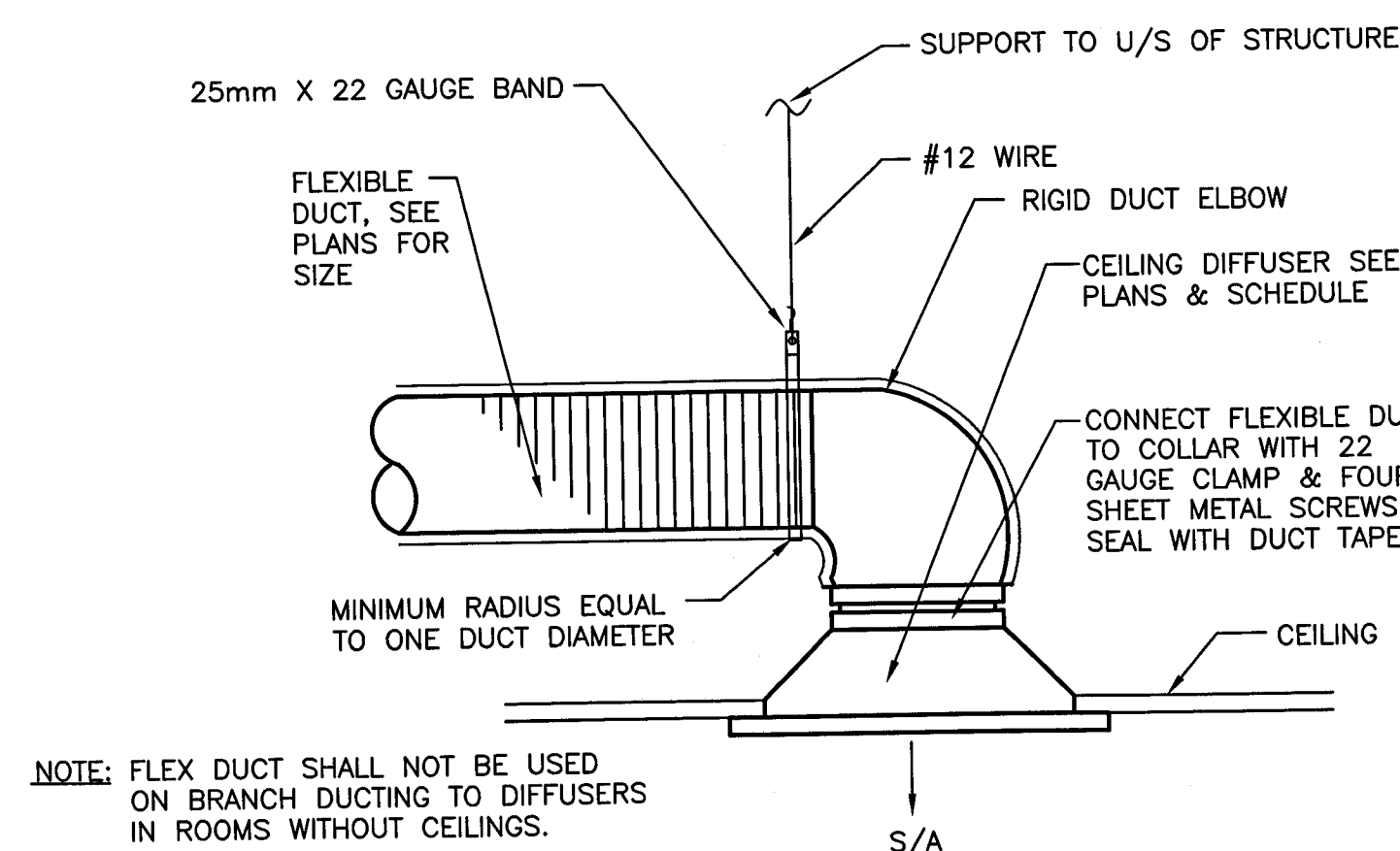
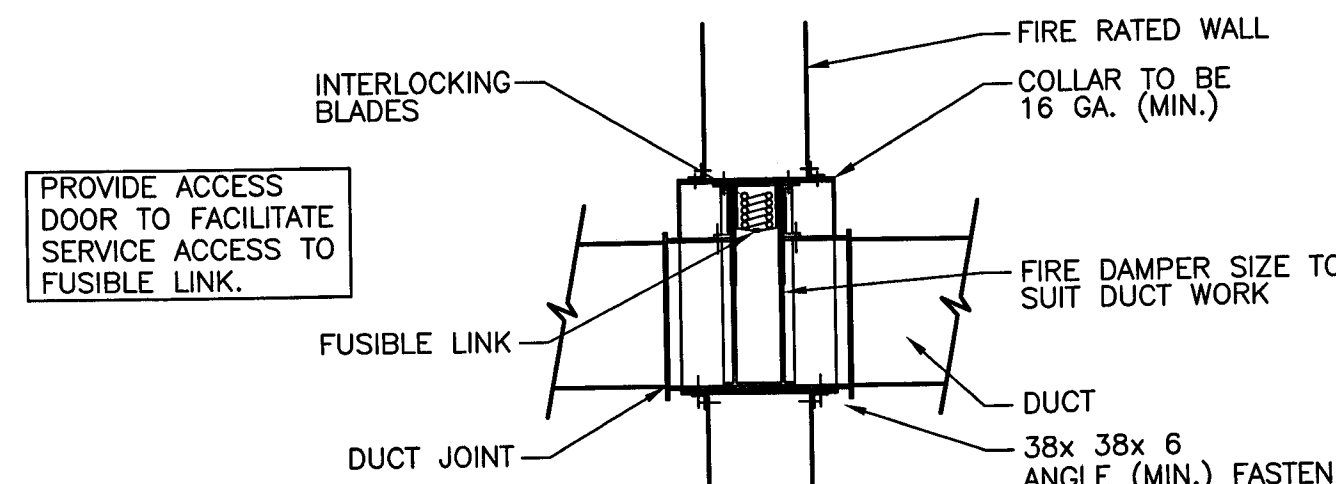


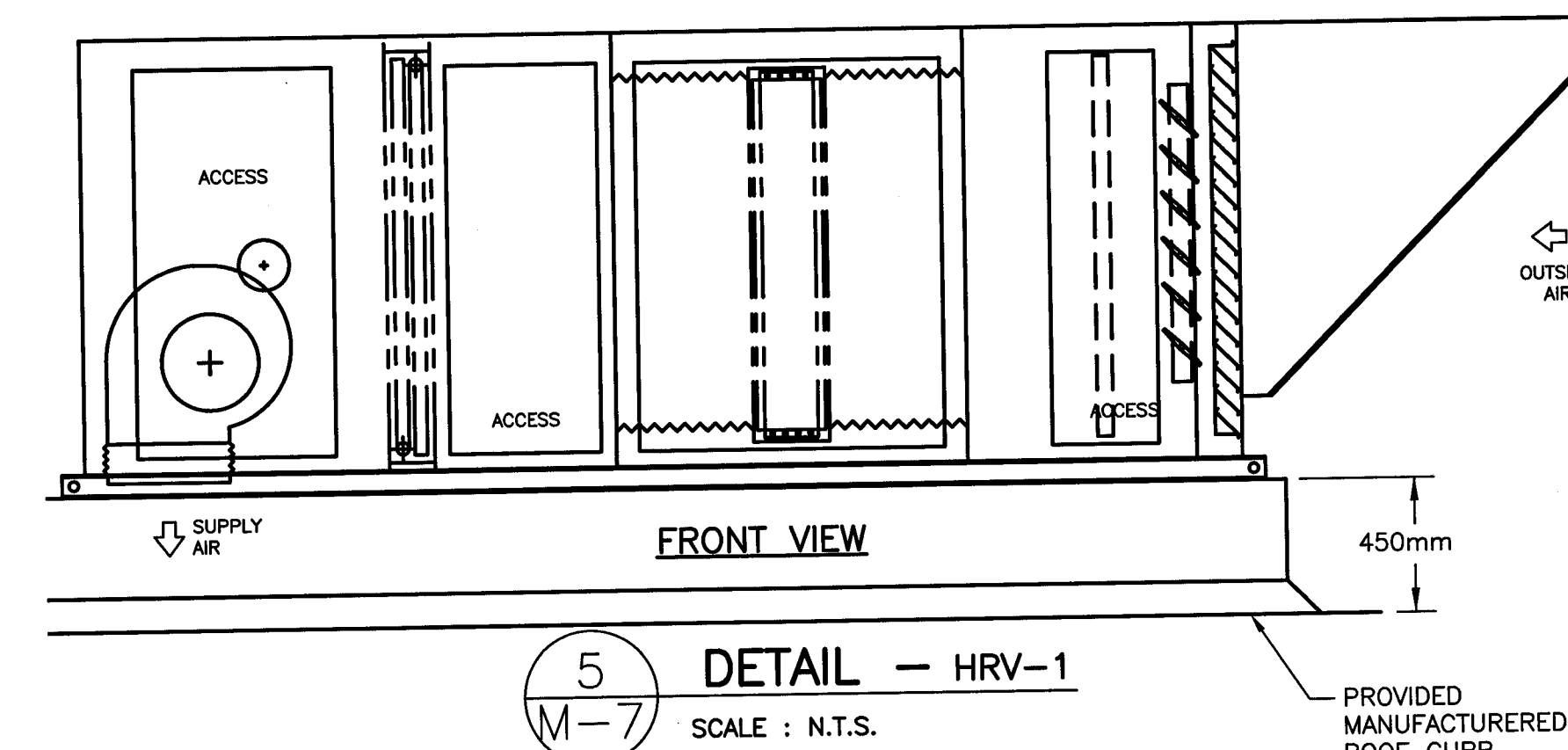
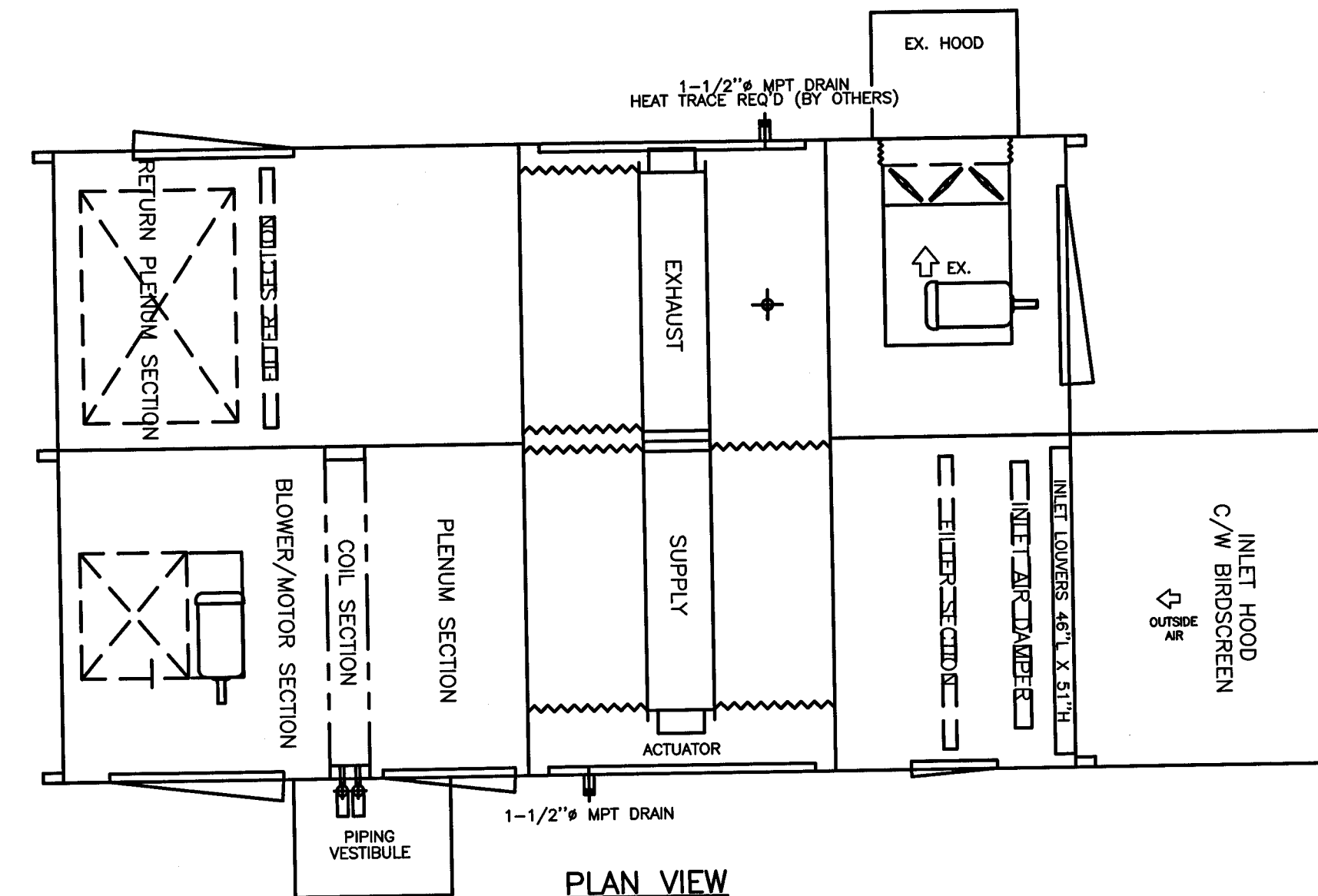
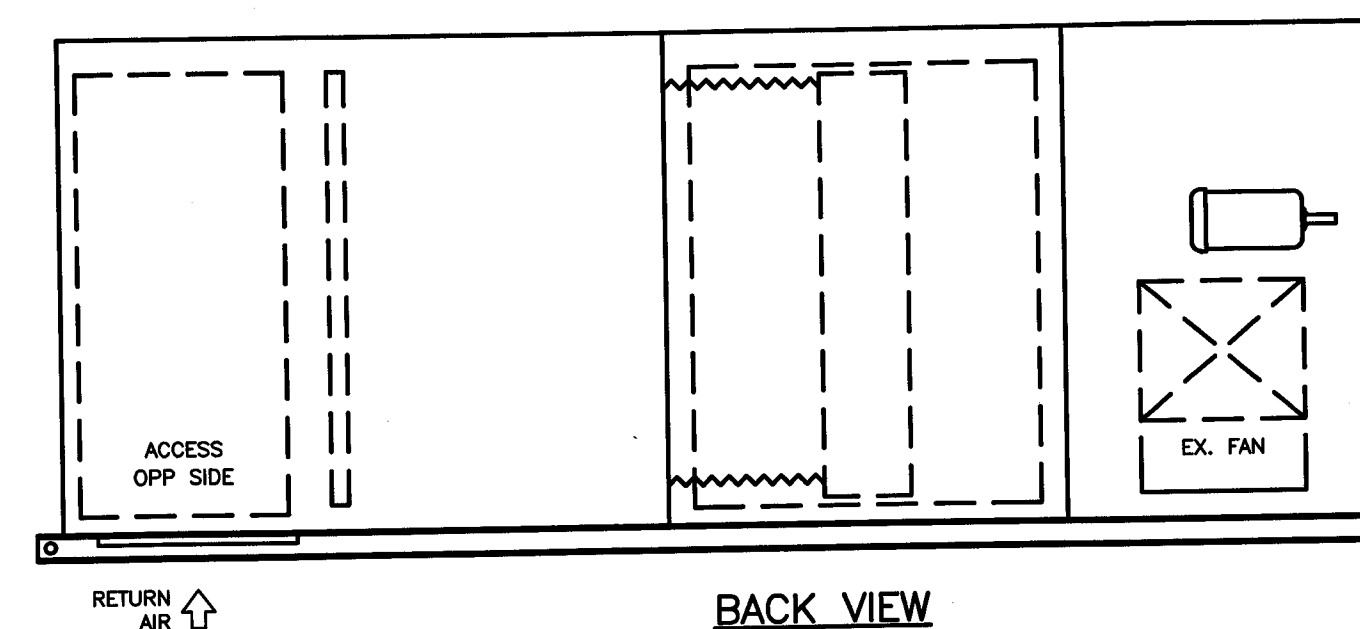
1 DETAIL — TYP. TAKE-OFF BOOT ON SUPPLY TO DIFFUSER  
SCALE : N.T.S.



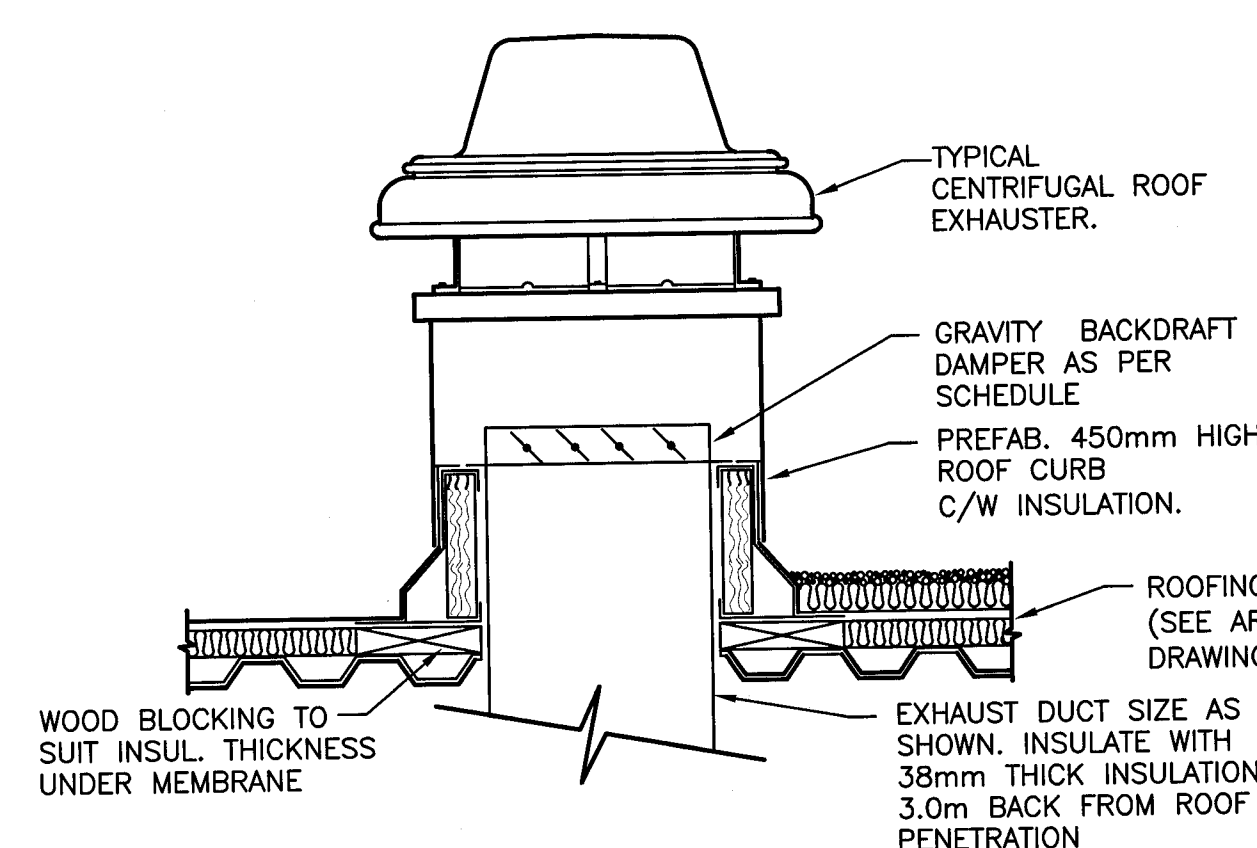
2 DETAIL — TYPICAL DIFFUSER  
SCALE : N.T.S.



3 DETAIL — FIRE DAMPER INSTALLATION (TYP.)  
SCALE : N.T.S. INSTALLATION IN FIRE RATED FLOOR SIMILAR



5 DETAIL — HRV-1  
SCALE : N.T.S.



4 DETAIL — ROOF MOUNTED EXHAUST FAN  
SCALE : N.T.S.

#### SPLIT HEAT PUMP OUTDOOR UNIT SCHEDULE

UNIT #	LOCATION	AREA SERVED	MANUFACTURER	MODEL	TOTAL COOLING CAPACITY (kW)	HEATING CAPACITY (kW)	REFRIGERANT TYPE	MIN. CIRCUIT AMPACITY	SERVICE	COMMENTS
HP-OU-1	ROOF MOUNTED	OFFICE	LG	LSU091HSV	2.7	3.2	R410A	8.2	230/1/60	c/w WIND BAFFLE, INVERTER COMPRESSOR, 450mm HIGH ALUMINUM STAND, EER 13.3, SEER 20, OPERATING RANGE OF -40 TO 48°C IN COOLING & -15 TO 24°C IN HEATING.

#### SUPPLY GRILLE & DIFFUSER SCHEDULE

DES.	TYPE	MFRG/ MODEL	SIZE	CAPACITY (l/s)	NECK SIZE	REMARKS
S-1	DRUM LOUVRE	EH PRICE AHCD2 OR APPROVED EQUIVALENT	250x450	AS INDICATED	—	ADJUSTABLE VANES WITH 60° ROTATABLE DRUM (30° OFF CENTER) AND CENTER DIVIDER c/w ALUMINUM SPIRAL DUCT FRAME AND VCSS OPPOSED BLADE DAMPER, ALUMINUM CONSTRUCTION
S-2	SQUARE CEILING	EH PRICE SCD1P OR APPROVED EQUIVALENT	300x300	AS INDICATED	150	SQUARE FACE DIFFUSER IN 600x600 PANEL, 3 CONE, STEEL CONSTRUCTION, WHITE BAKED ENAMEL FINISH, T-BAR LAY-IN.
S-3	DOUBLE DEFLECTION	EH PRICE 520 OR APPROVED EQUIVALENT	200x100	AS INDICATED	—	STEEL CONSTRUCTION, 45° DEFLECTION, 19mm BLADE SPACING FRONT BLADES PARALLEL TO LONG DIMENSION, SURFACE MOUNT BORDER.
S-4	DOUBLE DEFLECTION	EH PRICE 520 OR APPROVED EQUIVALENT	200x150	AS INDICATED	—	STEEL CONSTRUCTION, 45° DEFLECTION, 19mm BLADE SPACING FRONT BLADES PARALLEL TO LONG DIMENSION, SURFACE MOUNT BORDER.
S-5	DOUBLE DEFLECTION	EH PRICE 520 OR APPROVED EQUIVALENT	200x200	AS INDICATED	—	STEEL CONSTRUCTION, 45° DEFLECTION, 19mm BLADE SPACING FRONT BLADES PARALLEL TO LONG DIMENSION, SURFACE MOUNT BORDER.
T-1	DOUBLE DEFLECTION	EH PRICE 520 OR APPROVED EQUIVALENT	200x200	AS INDICATED	—	STEEL CONSTRUCTION, 45° DEFLECTION, 19mm BLADE SPACING FRONT BLADES PARALLEL TO LONG DIMENSION, SURFACE MOUNT BORDER.

#### RETURN & EXHAUST GRILLE SCHEDULE

DES.	TYPE	MFRG/ MODEL	SIZE	CAPACITY (l/s)	NECK SIZE	REMARKS
R-1	EGGCRATE	EH PRICE 80 OR APPROVED EQUIVALENT	300x600	AS INDICATED	—	ALUMINUM BORDER, EXPOSED DUCT BORDER STYLE c/w 12x12x12 CORE, WHITE BAKED ENAMEL FINISH.
R-2	EGGCRATE	EH PRICE 80 OR APPROVED EQUIVALENT	150x150	AS INDICATED	—	ALUMINUM BORDER c/w 12x12x12 CORE, WHITE BAKED ENAMEL FINISH, SURFACE MOUNT, OBD
R-3	LOUVRED	EH PRICE 510Z OR APPROVED EQUIVALENT	200x100	AS INDICATED	—	STEEL CONSTRUCTION, FIXED LOUVERS, 0° DEFLECTION, 19mm BLADE SPACING, FRONT BLADES PARALLEL TO LONG DIMENSION, SURFACE MOUNT BORDER.
R-4	LOUVRED	EH PRICE 510Z OR APPROVED EQUIVALENT	200x150	AS INDICATED	—	STEEL CONSTRUCTION, FIXED LOUVERS, 0° DEFLECTION, 19mm BLADE SPACING, FRONT BLADES PARALLEL TO LONG DIMENSION, SURFACE MOUNT BORDER.
R-5	LOUVRED	EH PRICE 510Z OR APPROVED EQUIVALENT	250x200	AS INDICATED	—	STEEL CONSTRUCTION, FIXED LOUVERS, 0° DEFLECTION, 19mm BLADE SPACING, FRONT BLADES PARALLEL TO LONG DIMENSION, SURFACE MOUNT BORDER.
R-6	EGGCRATE	EH PRICE 80 OR APPROVED EQUIVALENT	600x300	AS INDICATED	—	ALUMINUM BORDER c/w 12x12x12 CORE, WHITE BAKED ENAMEL FINISH, T-BAR LAY-IN

#### FAN SCHEDULE

UNIT No.	LOCATION	SERVICE	MFR. MODEL	TYPE	AIRFLOW (L/s)	TOTAL S.P. (Pa)	FAN SPEED (RPM)	BACKDRAFT DAMPER	ELECTRIC MOTOR WATTS	SERVICE	COMMENTS
EF-1	ROOF	ELECTRICAL ROOM EXHAUST	COOK ACE-B	ROOF MOUNT BELT DRIVE	118	75	1725	GRAVITY	187	115/1/60	c/w BACK DRAFT DAMPER, 450mm ROOF CURB, WEATHERPROOF DISCONNECT

#### HRV SCHEDULE

UNIT No.	LOCATION	AREA SERVED	MFRG./ MODEL	SUPPLY AIR CAPACITY (l/s)	EXHAUST AIR CAPACITY (l/s)	EXT. STATIC PRESSURE (Pa)	SUPPLY FAN MOTOR (kW)	EXHAUST FAN MOTOR (kW)	SUPPLY RECOVERY FACTOR (%)	SUPPLY FAN MOTOR DRIVE	EXHAUST FAN MOTOR DRIVE	HEATING COIL		ELECTRICAL SERVICE	COMMENTS
												CAPACITY kW	FLOW l/s		
HRV-1	ROOF	MAIN FLOOR	ENGINEERED AIR LM4/C/O/HRP	1910	1910	SUPPLY 187 EXHAUST 187	5.6	3.7	45.7 *	BELT	BELT	65	1.6	575/3/60	c/w INTEGRATED TILT PACKAGE MODEL TP-120-3F-20, 450 HIGH ROOF CURB, SUPPLY AIRSTREAM ADJACENT TO RETURN AIRSTREAM, BOTTOM SUPPLY AND RETURN CONNECTION. INTERNAL STATIC INCLUDES 0.11 kPa ALLOWANCE FOR MID-LIFE FILTER LOADING. HEATING PERFORMANCE BASED ON 45% PROPYLENE GLYCOL/WATER IN @ 82°C, OUT @ 71°C, MAX W.P.D. = 7.1 kPa, SINGLE POINT POWER CONNECTION, ELECTRICAL THRU THE BASE, WEATHER PROOF DISCONNECT, CONDENSATE DRAIN CONNECTION TO INSIDE

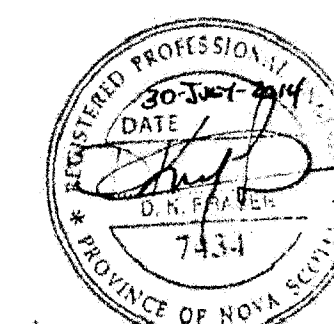
\*NOTE: THE SUPPLY RECOVERY FACTOR SHOULD TAKE INTO ACCOUNT FROST CONTROL STRATEGY

#### SPLIT HEAT PUMP INDOOR UNIT SCHEDULE

UNIT #	LOCATION	ROOM SERVED	MANUFACTURER	MODEL	COMMENTS
HP-IU-1	OFFICE WALL	OFFICE	LG	LSN091HSV	c/w WALL MOUNTED CONTROLLER PRCVSL00W AND CONDENSATE PUMP ASPEN MINI-ORANGE FP2212.

#### RETURN & EXHAUST GRILLE SCHEDULE

DES.	TYPE	MFRG/ MODEL	FACE SIZE	CAPACITY (l/s)	NECK SIZE	REMARKS
DG-1	ALUMINUM DOOR GRILLE	EH PRICE ATG1 OR APPROVED EQUIVALENT	400x150	AS INDICATED	—	SIGHT PROOF, ALUMINUM CONSTRUCTION, DOUBLE FLANGE, BF BORDER, COLOR BY ARCHITECT



0	ISSUED FOR TENDER	
revisions		date
project		project

#### SPRINGHILL SOLID WASTE MANAGEMENT CENTRE SPRINGHILL, NS

drawing GH dessin

#### MECHANICAL VENTILATION DETAILS & SCHEDULES

designed GH conçu

drawn KRG dessiné

date JUNE 2012

approved MDW approuvé

date JUNE 2012

Tender 2014-08-11

PMSC Project Manager Administrateur de projets PMSC

project number

R.043944.002

drawing no. no. du dessin

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