

HEAT RECOVERY VENTILATOR SCHEDULE	
TAG	HRV-1
SERVICE	AHU-1
MANUFACTURER	NU-AIR
MODEL	NU0820HRV
SUPPLY FAN	
L/S	861
CFM	1,825
EXTERNAL SP	
Pa	250
Inches WG	1.0
FILTER	MERV8
MOTOR	
kW	1.1
(HP)	1.5
RPM	1,750
EXHAUST FAN	
L/S	489
CFM	1,036
EXTERNAL SP	
Pa	250
Inches WG	1.0
FILTER	MERV8
MOTOR	
kW	0.4
(HP)	0.5
RPM	1,750
HEAT RECOVERY CORE	POLYPROPYLENE HRV
	22 GA. GALVANIZED STEEL CABINET
NOTES: DEFROST-FAN SHUT DOWN	

EXPANSION TANK SCHEDULE								
TAG	MANUFACTURER	MODEL	TOTAL VOLUME (U.S. GAL)	PRECHARGE PRESSURE (PSIG)	MAX. OPERATING PRESSURE (PSI)	MAX. TEMPERATURE (F)	FLUID	Note
ET-1	BERKELEY	PSP50T	50	40	125	120	WATER	18.3 GALLONS DRAWDOWN, COME WITH P-1
ET-2	AMTROL	ST-12-C	4.4	40	150	200	WATER	

PUMP SCHEDULE								
TAG	DESCRIPTION	MFR.	MODEL	SIZE L/s	TOTAL HEAD (m)	PUMP RPM	MOTOR (hp)	NOTES
P-1	WATER BOOSTER PUMP AND TANK PACKAGE	GOULDS	J7S	1.15	28.13		0.75	P-1 COME WITH PRESSURE TANK ET-1 (SEE EXPANTION TANK SCHEDULE) AND PUMP MOUNTING BRACKET.
P-2	HOT WATER RECIRCULATION PUMP	BELL & GOSSETT	NBF-8S/LW	0.19	1.6	2800	0.38 AMPS/39W	P-2 COME WITH B&G AUTOMATIC TIMER
SMP-1	SUMP PUMP PACKAGE	ZOELLER	6292	2.8	9.8		0.5	SIMPLEX PUMP WITH 600MM DIAMETER X 1800MM DEEP SUMP PIT, INTERNAL PIPE, VALVE AND FLOAT CONTROL. 50MM DISCHARGE.
SMP-2	SUMP PUMP PACKAGE	ZOELLER	6292	2.8	9.8		0.5	SIMPLEX PUMP WITH 600MM DIAMETER X 1800MM DEEP SUMP PIT, INTERNAL PIPE, VALVE AND FLOAT CONTROL. 50MM DISCHARGE.
NOTES:								

TERMINAL UNIT SCHEDULE							
TAG	DESCRIPTION	MFG	MODEL	SIZE	DESIGN AIR FLOW RATE		LOCATION
					MAX. L/S	MIN. L/S	
VAV-0-01	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	5	126	63	B08 STORAGE
VAV-0-02	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	5	90	45	B03 MUD ROOM
VAV-0-03	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	5	126	63	B08 STORAGE
VAV-0-04	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	5	120	60	B08 STORAGE
VAV-0-05	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	5	120	60	B08 STORAGE
VAV-1-01	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	5	100	50	107 M LOCKER
VAV-1-02	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	8	280	140	108 LUNCH ROOM
VAV-1-03	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	10	488	244	112 GENERAL OFFICE
VAV-1-04	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	8	328	164	113 GENERAL OFFICE
VAV-1-05	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	6	160	80	125 OPERATION SUPERVISOR
VAV-1-06	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	7	210	105	124 OPERATION FOREMAN
VAV-1-07	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	6	170	85	123 GENERAL OFFICE
VAV-1-08	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	5	100	50	101 F LOCKER
VAV-1-09	SINGLE DUCT TERMINAL UNIT	E H PRICE	SDV	8	320	160	117 MULTI PURPOSE ROOM

NOTES:
 1. ALL VAV BOXES ARE BASED ON E. H. PRICE PRODUCTS.
 2. DDC CONTROL, 1 METER ATTENUATOR

GRILLE AND DIFFUSER SCHEDULE				
TAG	DESCRIPTION	MFG	MODEL	REMARKS
S-1	SQUARE CONE DIFFUSER	E H PRICE	SCD/3C	T-BAR CEILING MOUNTING, COLOUR B12
S-2	SQUARE CONE DIFFUSER	E H PRICE	SCD/3C	T-BAR CEILING MOUNTING, COLOUR B12 SIZE 12"x12"
S-3	LOUVER FACE SUPPLY	E H PRICE	520/F/L/A	SIZE WALL MOUNTING, SIZE REFER TO DRAWINGS, COLOUR B12
S-4	ROUND CONE DIFFUSER	E H PRICE	RCD	SIZE REFER TO DRAWINGS, COLOUR B12
R-1	EGG CRATE CEILING RETURN	E H PRICE	80	SIZE REFER TO DRAWINGS, COLOUR B12
R-2	LOUVERED RETURN	E H PRICE	530	SIZE REFER TO DRAWINGS, COLOUR B12

FAN SCHEDULE								
TAG	MANUFACTURER	MODEL	TYPE	AIR FLOW CFM	SP IN	MOTOR		NOTES
						HP	BHP	
F-1	GREENHECK	SQ-95-D	IN LINE FAN	420	0.5	0.125	0.09	
F-2	BROAN	QS1	UNDER CABINET HOOD	220				STAINLESS STEEL, TWO SPEED ROCKER 2 HALOGEN BULBS

DOMESTIC WATER HEATERS								
TAG	MFR.	MODEL	CAPACITY				INPUT	
			STORAGE		RECOVERY (100 dT)		KW	
			LITRES	US GAL.	mL/s	US GPH		
DHT-1	AO SMITH	DRE-52-9	189	50	72.6	69	9	
DHT-2	AO SMITH	DRE-52-9	189	50	72.6	69	9	

SPLIT AIR CONDITIONING UNIT SCHEDULE							
TAG	DESCRIPTION	LOCATION	MFG	MODEL	TOTAL AIR FLOW CFM	TOTAL COOLING CAPACITY L/S	TOTAL COOLING CAPACITY MB
AC-1	INDOOR AIR CONDITIONER	ELEC ROOM B-06	MITSUBISHI	PKA-A24KA4	775	366	24
CJ-2	OUTDOOR UNIT	OUTDOOR WALL	MITSUBISHI	PUY-A24NHA4			7

NOTE: R-401A REFRIGERANT, AND THE CONDENSING UNIT SUITABLE FOR -40 DEGREE C OPERATION
 DAIKIN IS APPROVED EQUAL

1	ISSUED FOR ADDENDUM #2	JAW	JUNE 15 2017
0	ISSUED FOR CONSTRUCTION	JAW	MAR 20 2017
No.	REVISION/DESCRIPTION	BY	DATE

ORIGINAL STAMPED BY: X. WU
 DATE: MARCH 20, 2017

DRAWN	JAW	CHECKED	XYW	DESIGNED	XYW	APPROVED	XYW
DATE	2016.08.25	USER APPROVAL					

THE CITY OF WINNIPEG
 PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT
 MUNICIPAL ACCOMMODATIONS DIVISION
 3-65 GARRY STREET, R3C 4K4

PROJECT
 BRADY ROAD LANDFILL
 ADMINISTRATION BUILDING DEVELOPMENT FOR BRADY LANDFILL
 1777 BRADY ROAD

SHEET TITLE
 MECHANICAL SCHEDULES

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2015-037	M8-R1