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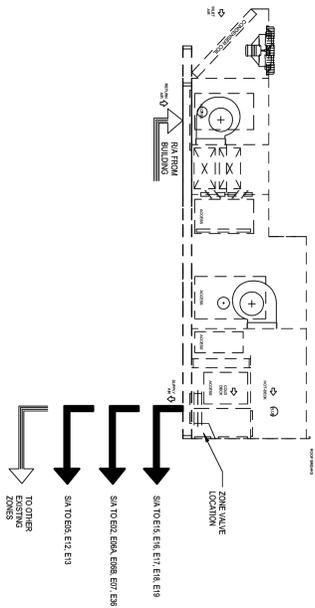
NO.	DESCRIPTION	DATE
6	ISSUED FOR TENDER	2019/07/25
5	ISSUED FOR TENDER	2019/04/23
4	ISSUED FOR 99% CD	2019/02/28
3	50% RE-SUBMISSION	2019/02/28
2	ISSUED FOR 50% CD	2018/01/09
1	ISSUED FOR DESIGN DEVELOPMENT	2017/11/23

**CORRECTIONAL SERVICES**  
**CANADA**

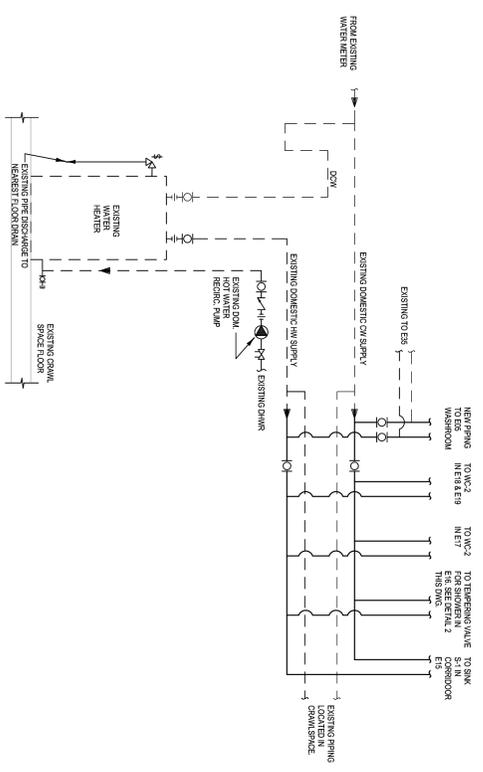
**CHURCHILL UNIT**  
**REDEVELOPMENT**

**CHURCHILL UNIT**  
**DETAILS AND SCHEMATICS**

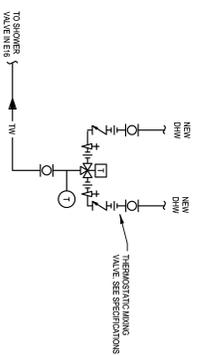
Project No./No. du projet	Project No./No. du projet	Project No./No. du projet
R.082215.001	<b>M8-1</b>	<b>5</b>



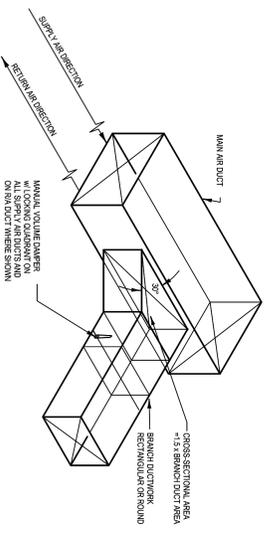
**3** RTU SCHEMATIC  
 N.T.S.



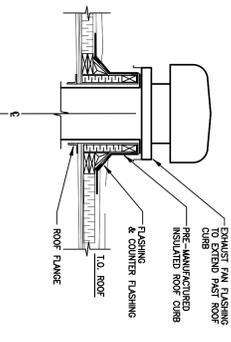
**1** DOMESTIC WATER DISTRIBUTION SCHEMATIC  
 N.T.S.



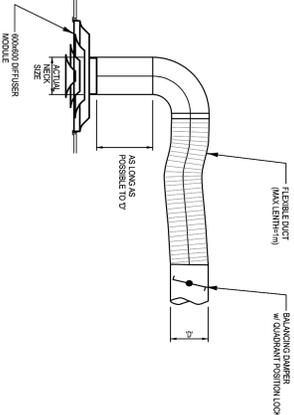
**2** THERMOSTATIC MIXING VALVE DETAIL  
 N.T.S.



**5** S/A OR R/A DUCT CONNECTION DETAIL  
 N.T.S.



**6** EXHAUST FAN CURB DETAIL  
 N.T.S.



**4** SUPPLY AIR DIFFUSER INSTALLATION  
 N.T.S.

TYPE	DESCRIPTION
A	ADJUSTABLE SQUARE FACE STEEL 3/8" O.D. ROUND NECK DIFFUSER WITH ADJUSTABLE AIRFLOW PATTERN W/ LATHE FACE FOR HEAVY INSULATION. MAIN PANEL: 24" X 24" PANEL, BRITISH WHITE FINISH.
B	ADJUSTABLE SQUARE FACE STEEL 3/8" O.D. ROUND NECK DIFFUSER WITH ADJUSTABLE AIRFLOW PATTERN W/ LATHE FACE FOR HEAVY INSULATION. MAIN PANEL: 24" X 24" PANEL, BRITISH WHITE FINISH. SPACING AT 15" ON O.B.D. 24" X 24" PANEL, WHITE POWDER COAT FINISH. DIFFUSER SHALL MEET ASTM F2602 (S) PHYSICAL ASSAULT TEST REQUIREMENTS.
C	ALUMINUM EDGE GRATE FACE 17 1/2" X 17 1/2" REINFORCING REBAR GRILLE FOR SURFACE MOUNT INSTALLATION. BRITISH WHITE IN COLOR.
D	RISK RESISTANT FERROCEMENT ALUMINUM SECURITY RETURN GRILLE. 31" X 31" HOT ROLLED STEEL WITH 3/16" DIA HOLES SPACED ON 7/8" CENTERS STAGGERED 90 DEGREES. 2" WALL SLEEVE OF 31" X 31" HOT ROLLED STEEL W/ REINFORCING FRAME. 2" X 2" X 24" PANEL, WHITE POWDER COAT FINISH. GRILLE SHALL MEET ASTM F2602 (S) PHYSICAL ASSAULT TEST REQUIREMENTS.

**GRILLES, DIFFUSERS & LOUVRES**

UNIT NO.	LOCATION	SERVICE	FLOOR RATE	E.S.P.	ELECTRICAL	CONTROLS
EH-1	ROOF	EXHAUST	60	15	30VXW300P	TO RUN CONTINUOUSLY

**FAN SCHEDULE**

CONFIRM EXISTING UNIT/MAINTENANCE SCHEDULE WITH OWNER. PROVIDE LABEL MATCHING OWNER/MAINTENANCE CONVENTION.  
 ROOF MOUNTED EXHAUST FAN ON W/ ROOF CURB. GENERAL CONTRACTOR TO PROVIDE AND INSTALL FLASHING TO ENSURE ROOF PENETRATION IS WEATHER TIGHT. INSTALL SECURITY BARS AT PENETRATION.