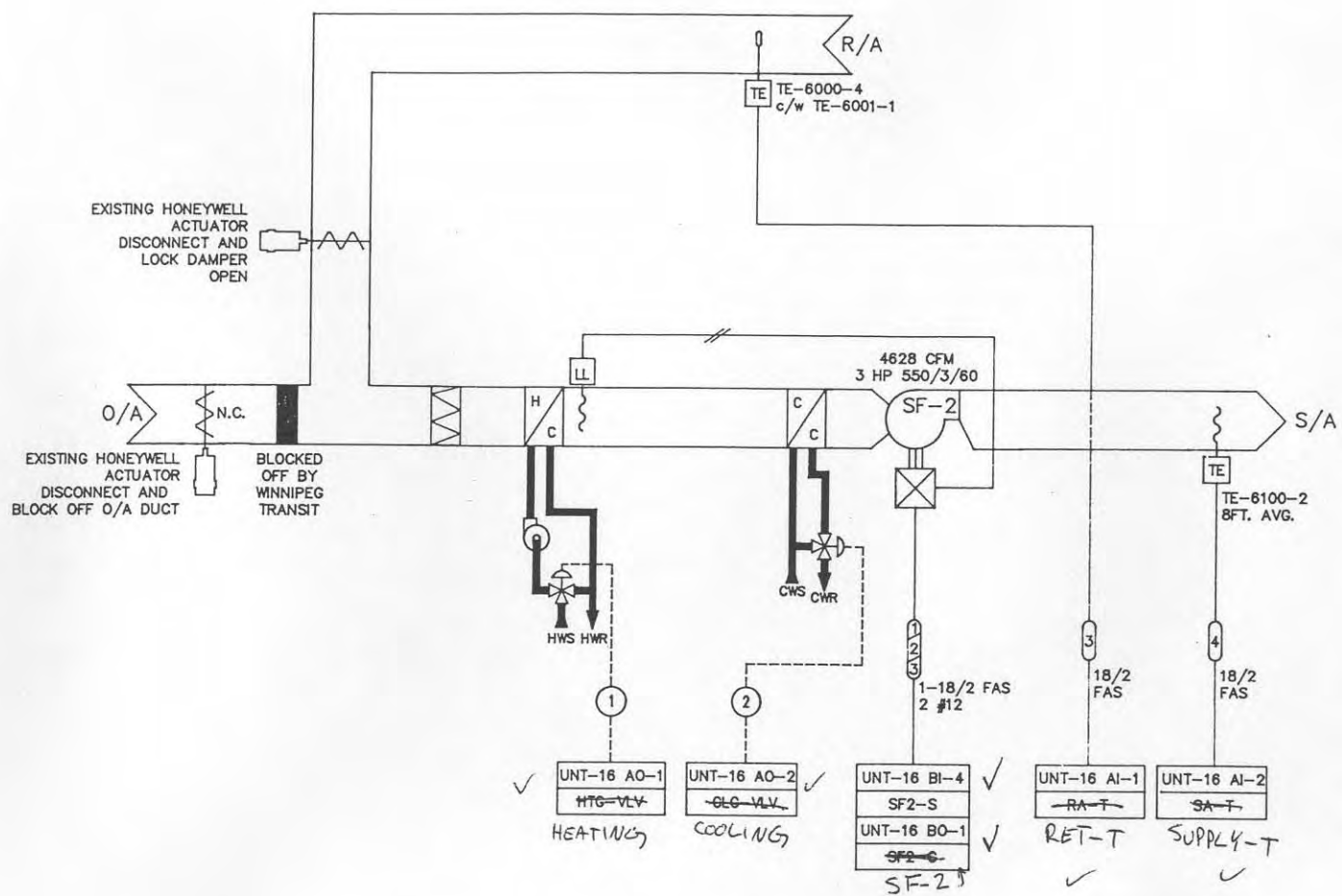


SF-2 VENTILATION SYSTEM



SEQUENCE OF OPERATION:

THE EXISTING MIXED AIR DAMPERS WILL BE DISCONNECTED, THE O/A DAMPER CLOSED AND THE R/A DAMPER OPENED. THE O/A DUCT WILL BE BLOCKED OFF BY WINNIPEG TRANSIT.

SUMMER MODE

IF THE OUTDOOR AIR IS ABOVE 15 DEG. C. AND THE MAIN FLOOR TEMPERATURE IS ABOVE THE MAIN FLOOR SETPOINT FOR SF-1 PLUS 2 DEG. C. THE SYSTEM IS PLACED IN THE SUMMER MODE. THE FAN SYSTEM WILL START AND THE COOLING COIL WILL MODULATE TO PROVIDE A BOOST FOR FAN SF-1.

WINTER MODE

IF THE OUTDOOR AIR IS LESS THAN -5 DEG. C. FAN SF-2 WILL RUN CONTINUOUSLY. THE MAIN PURPOSE OF THIS FAN IS TO PROVIDE VENTILATION TO KEEP THE PERIMETER GLASS CLEAR. SHOULD THE RETURN AIR TEMPERATURE FALL BELOW 18 DEG. C., THE HEATING COIL WILL MODULATE TO PROVIDE A HEATING BOOST FOR FAN SF-1.

(FOR DETAILS ON SF-1 REFER TO DWGS. 1501-37 AND 1501-38)

- 1-18/2 FAS
- 2-#12
- 3-18/2 FAS
- 4-18/2 FAS
- UNT-16 AO-1
~~MTG-VLV~~
HEATING ✓
- UNT-16 AO-2
~~GLO-VLV~~
COOLING ✓
- UNT-16 BI-4
SF2-S ✓
- UNT-16 BO-1
~~SF2-S~~
SF-2 ✓
- UNT-16 AI-1
~~RA-T~~
RET-T ✓
- UNT-16 AI-2
~~SA-T~~
SUPPLY-T ✓

DRAWING TITLE SF-2 VENTILATION SYSTEM		FILE: SF2VENT	
PROJECT WINNIPEG TRANSIT INFRARED AND SF-2 421 OSBORNE STREET WINNIPEG, MANITOBA		CONTRACT NUMBER 92098-5007 DRAWING NUMBER 1501-48	
SALES ENGR	PROJECT MGR	APPL. ENGR	DATE
BH	RC	RC	07/28/92
JOHNSON CONTROLS Systems & Services Division		JOHNSON CONTROLS LTD 600 MORAY STREET WINNIPEG, MANITOBA R3J 3Y9 204-885-8380	
1 AS BUILT		12/03/94	
REVISION-LOCATION		ECN	
APPROVED		DATE BY	