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Date: Aug. 31/16
PERMIT NUMBER: PP315
Association of Professional Engineers
of Yukon

Revision/	Description	Date/Date
1	RE-ISSUED FOR TENDER	16/08/31
0	ISSUED FOR TENDER	16/04/05

PARKS CANADA AGENCY

WESTERN AND NORTHERN REGION

Project title/Titre du projet
DAWSON CITY
YUKON TERRITORY
PALACE GRAND THEATRE
FOUNDATION / MECHANICAL
/ ELECTRICAL RENOVATION
AND GENERAL UPGRADE

Consultant Signature Only

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Drawing title/Titre du dessin

MECHANICAL SCHEMATICS:
CONTROLS

Project No./No. du
projet
R.068835.001

Sheet/Feuille
M602
14 OF 15

Revision no./
La Révision
no.
1

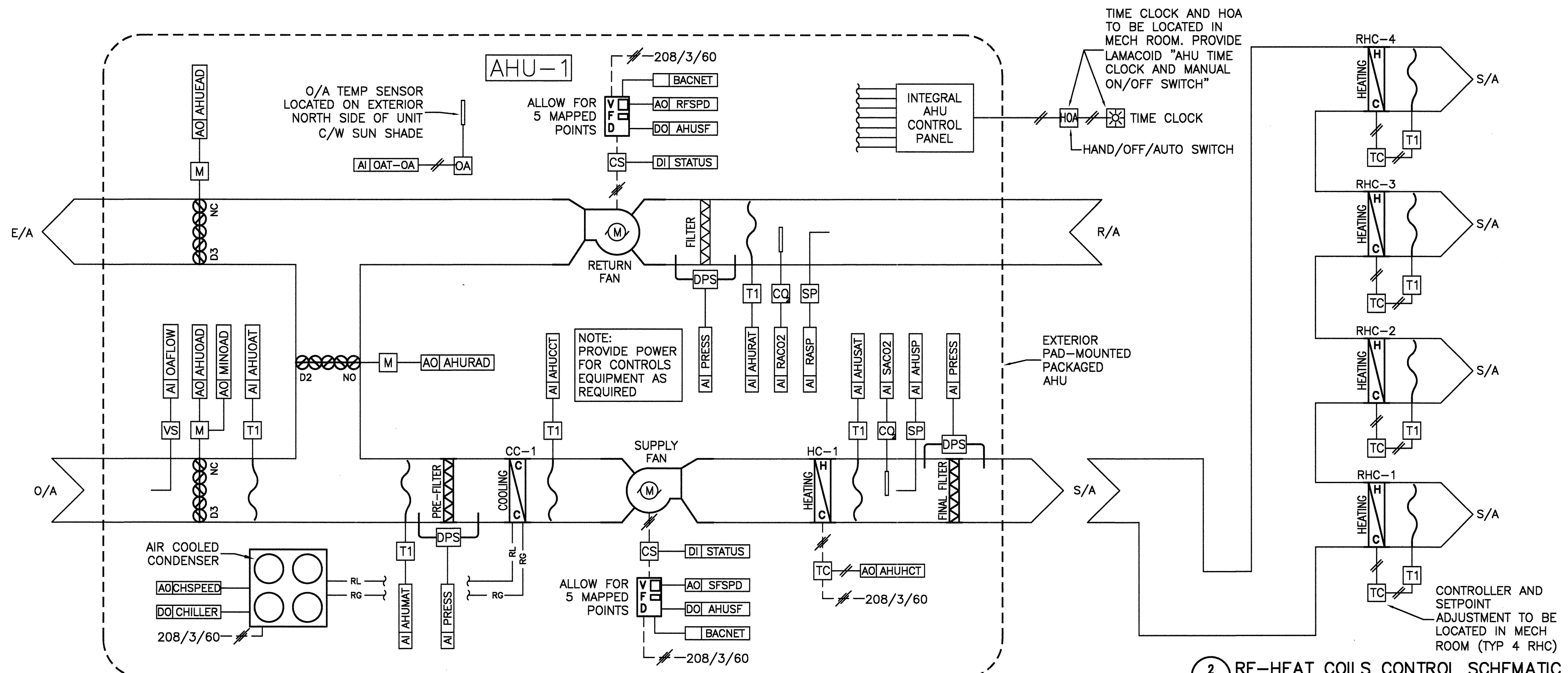
CONTROLS LEGEND

DAMPER	
FILTER	
COIL (HEATING AND/OR COOLING)	
PRESSURE SENSOR	
AIR FLOW SWITCH	
PROBE SENSOR	
AVERAGING SENSOR	
DIFFERENTIAL PRESSURE SENSOR	
DEVICE TAG	
POINT TAG	
MOTOR STARTER	
THERMAL OVERLOAD	
TRANSFORMER	
PUMP	
2-WAY CONTROL VALVE	
3-WAY CONTROL VALVE	
VARIABLE FREQUENCY DRIVE	
THREE WIRE	
TWO WIRE	
LIGHT	
FAN	

CONTROL DEVICES LEGEND

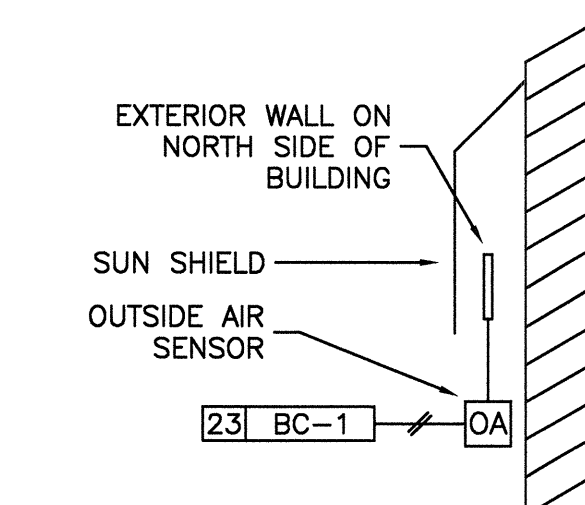
UNIT #	EQUIPMENT
AI	ANALOG INPUT
AO	ANALOG OUTPUT
BDD	BACK DRAFT DAMPER
CO ₂	CARBON DIOXIDE SENSOR
CS	CURRENT SENSOR, SIZED FOR SERVICE
D1	NORMALLY CLOSED, INSULATED, OPPOSED BLADE DAMPER C/W 2 POSITION ACTUATOR, LINKAGE, ETC. WITH POSITION INDICATOR
D2	NORMALLY OPEN, OPPOSED BLADE DAMPER C/W MODULATING ACTUATOR WITH POSITION INDICATOR, LINKAGE, ETC.
D3	NORMALLY CLOSED, INSULATED, OPPOSED BLADE DAMPER C/W MODULATING ACTUATOR WITH POSITION INDICATOR, LINKAGE, ETC.
D4	NORMALLY CLOSED, PARALLEL BLADE DAMPER C/W MODULATING ACTUATOR WITH POSITION INDICATOR, LINKAGE, ETC.
D5	NORMALLY OPEN, PARALLEL BLADE DAMPER C/W MODULATING ACTUATOR WITH POSITION INDICATOR, LINKAGE, ETC.
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
DPS	DIFFERENTIAL PRESSURE SENSOR
ES	END SWITCH
FS	FLOW SWITCH
HOA	HAND-OFF-AUTO
M	MOTORIZED OPERATOR
MS	MOTION SENSOR
OA	OUTSIDE AIR TEMPERATURE SENSOR C/W SHIELD
R	RELAY SIZED FOR SERVICE
SP	STATIC AIR PRESSURE SENSOR
T1	DUCT AIR TEMPERATURE SENSOR
T2	LINE VOLTAGE THERMOSTAT
T5	LINE VOLTAGE THERMOSTAT WITH GUARD, BUILDING LOW TEMPERATURE
T7	AQUASTAT C/W TEMPERATURE WELL
T8	DUCT AIR TEMPERATURE SENSOR, AVERAGING TYPE
TDR	TIME DELAY RELAY
TC	TEMPERATURE CONTROLLER
TT	TEMPERATURE SENSOR C/W TEMPERATURE WELL
TOL	THERMAL OVERLOAD BY ELECTRICAL
TX	TRANSFORMER
VS	AIR FLOW SENSOR
V3	TWO-WAY, 2 POSITION CONTROL VALVE C/W ACTUATOR WITH POSITION INDICATOR
V4	3-WAY MODULATING MIXING VALVE C/W ACTUATOR WITH POSITION INDICATOR

--- WIRING PROVIDED BY
ELECTRICAL CONTRACTOR
--- WIRING PROVIDED BY
CONTROLS CONTRACTOR

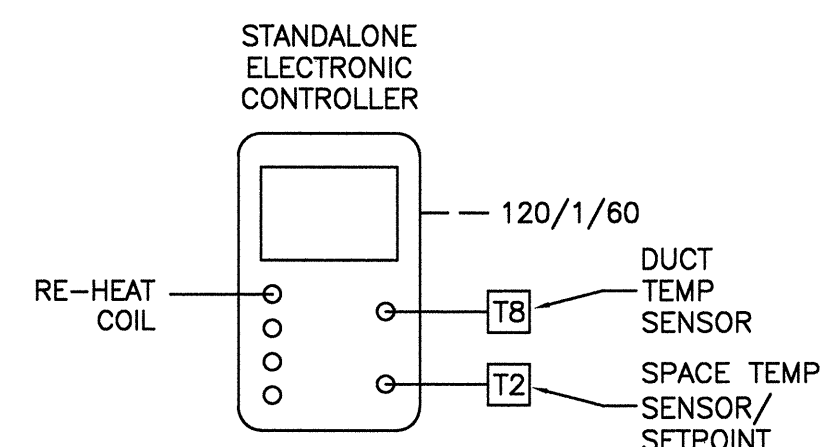


1 AHU-1 CONTROL SCHEMATIC
SCALE: NTS

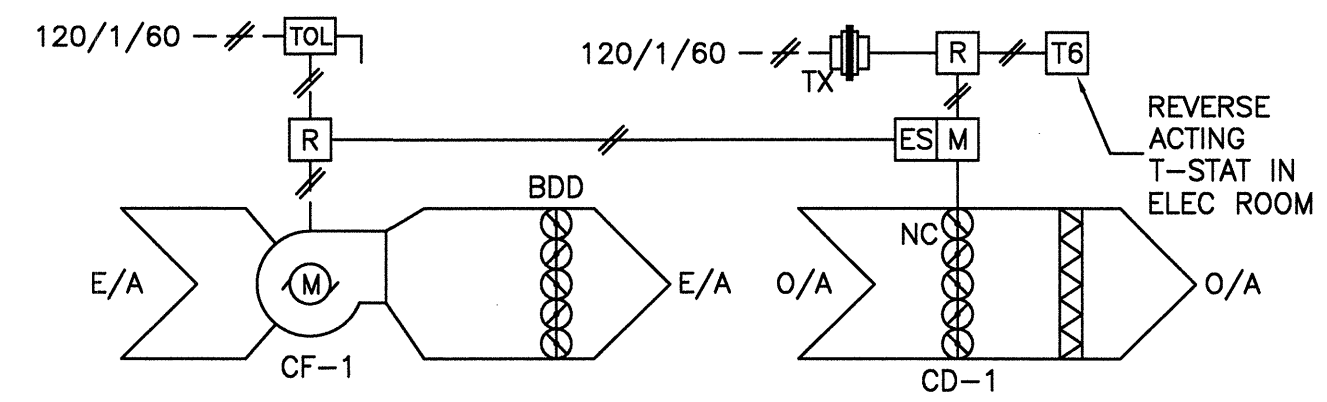
2 RE-HEAT COILS CONTROL SCHEMATIC
SCALE: NTS



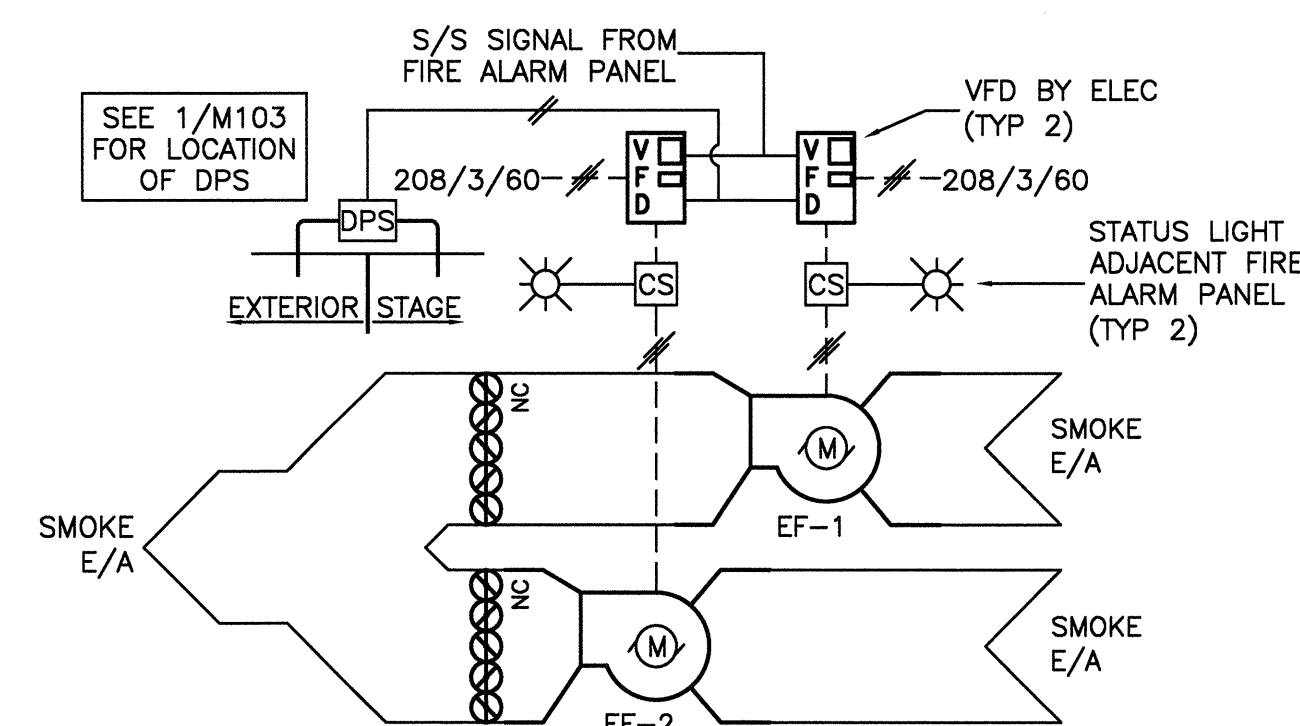
8 OUTDOOR AIR TEMP SENSOR
SCALE: NTS



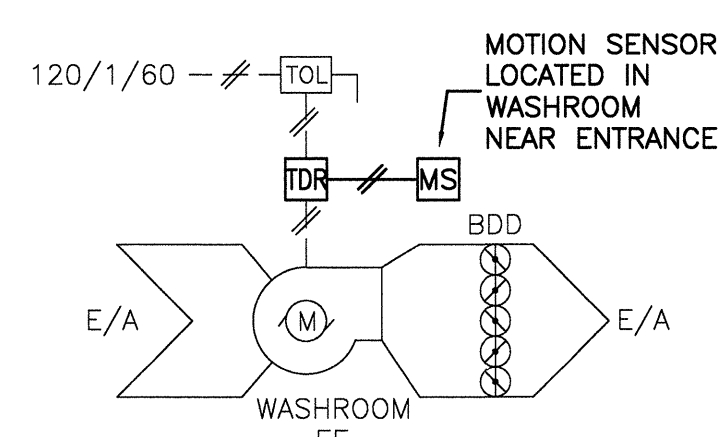
3 RE-HEAT COIL CONTROLLER (TYP 4)
SCALE: NTS



4 MECH/ELEC ROOM COOLING FAN CONTROLS
SCALE: NTS



10 SMOKE EVACUATION EF CONTROLS
SCALE: NTS



10 WASHROOM EF CONTROLS
SCALE: NTS