HEAT/ENERGY RECOVERY WHEEL SYSTEM SHOW POINT NAME ON

BACS EMCS DESCRIPTION GRAPHIC

ERW OUTSIDE AIR TEMPERATURE X X X

ERW OUTSIDE AIR HUMIDITY (% RH) X X X

ERW OUTSIDE AIR ENTHALPY X X X

ERW SUPPLY AIR TEMPERATURE X X X +/- 4 °F FROM SETPOINT X

ERW SUPPLY AIR TEMPERATURE SETPOINT X X X

ERW SUPPLY AIR HUMIDITY (% RH) X X X

ERW SUPPLY AIR ENTHALPY X X X

ERW RETURN AIR TEMPERATURE X X X

ERW RETURN AIR HUMIDITY (% RH) X X X

ERW RETURN AIR ENTHALPY X X X

ERW EXHAUST AIR TEMPERATURE X X X

ERW STATUS X X X X NO ROTATION WHEN WHEEL COMMANDED ON X

INDEECO ROTATION DETECTOR

ERW MOTOR START/STOP X X INTERLOCK WITH FA SYSTEM IF REQUIRED

ERW SPEED COMMAND X X X

ERW STATUS X X X X FAILURE X VIA CONTACT ON DRIVE

ERW POWER (kW) X X X BACnet MST POINT

ERW SPEED (RPM) X X X BACnet MST POINT

ERW SUPPLY AIR BYPASS DAMPER OPEN/CLOSE X X

ERW EXHAUST AIR BYPASS DAMPER OPEN/CLOSE X X

ERW RECOVERY EFFECTIVENESS X X X

ERW OUTSIDE AIR FILTER DIFFERENTIAL PRESSURE X X X X HIGH LIMIT X MAGNEHELIC INDICATING TRANSMITTER

ERW RETURN FILTER DIFFERENTIAL PRESSURE X X X X HIGH LIMIT X MAGNEHELIC INDICATING TRANSMITTER

HEAT/ENERGY RECOVERY WHEEL CONTROL POINTS

NO SCALE

DESIGN and CONSTRUCTION STANDARD
CORNELL UNIVERSITY

REVIEWS BY: WSJ/DRL REVISED BY: EAK
CELL LIBRARY N/A CELL NAME N/A
DOC PRINT SIZE: 8 1/2" x 11"
DETAIL NO. 3.6.28