BNB operation parameters and limits H.L. 11-12-20

E:BNBHT3 = 73.8 deg F _____LCW supply temperature; high limit = 100 deg F

E:BNBHT2 = 75.3 deg F _____LCW return temperature

E:BNBHT1 = 74.7 deg F _____RAW supply temperature to horn; high limit = 105 deg F

E:BNBHT4 = 77.4 deg F _____RAW return temperature from horn

E:BNBHP1 =54.25 PSI _____RAW supply pressure (stellar); low limit = 30 PSI

E:BNBHF1 = 19.25 GPM _____ RAW supply flow; low limit = 17 GPM

E:BNBHF2 = 6.2 GPM _____ DI flow

E:BNBHR1 = 2.6 Mohm _____ RAW supply resistivity; low limit = 1.1 Mohm

E:BNBHR2 = 16.5 Mohm _____ DI resistivity

E:MBHRAW = 11.74 inch _____Horn RAW water tank level; low limit = 10 inch

E:MBTAVA = 1037 ft/m _____ Adj target air vel

E:BTH1AV = 1130 ft/m _____ BNB target heat X 1 air vel (air in)

E:BTH2AV = 1644 ft/m _____BNB target heat X 2 air vel (air out)

E:BTBT1 = 24.5 deg C _____target temp. at bend

E:BTBT2 = 23.33 deg C _____target temp.> bend

E:BTJT1 = 24.7 deg C _____target temp. at joint

E:BTJT2 = 24.55 deg C _____target temp.> joint

E:SACFAV = 755.5 ft/m _____ stripline fan air vel

E:SACEAV = 169.0 ft/m _____ stripline East air vel

E:SACWAV = 184.7 ft/m _____stripline West air vel

E:MI12MV = 1172 ft/s _____MI12A Munters dehumidifier air vel

The Safety System Interlock and the Horn PS Permit logic are identical and use the same inputs:

* LCW flow switch
* RAW supply flow
* RAW supply pressure
* RAW supply temperature
* LCW supply temperature
* Surge tank level