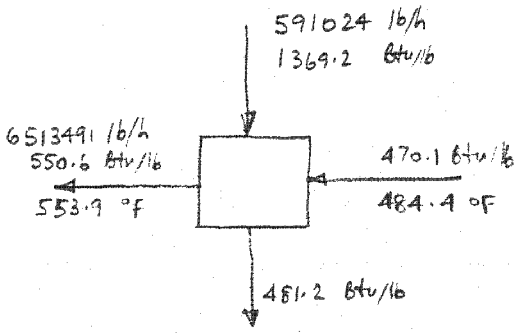
INTERMOUNTAIN

HEATER 8 DUTY

(A) OEM @ 5% overpressure 481 MB 784

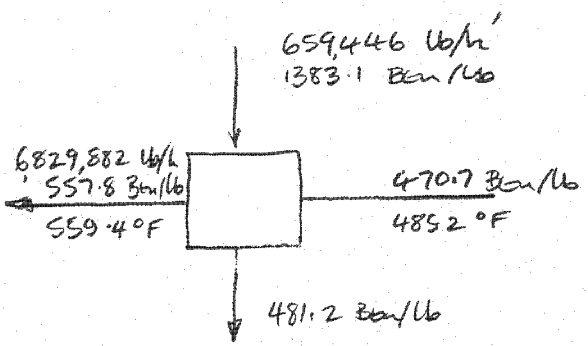


FEED: $\Delta T = (553.9 - 484.4) = \underline{69.5\,°F}$

Heat transfered $= 591024\,(1369.2 - 481.2)$
$= \underline{524829312 \text{ Btu/h}}$

Ext^n steam vol. flow $= \underline{370655 \text{ ft}^3/\text{h}}$

(B) UNIT 1 BMCR TEST 1998 (ALSTOM CALC)

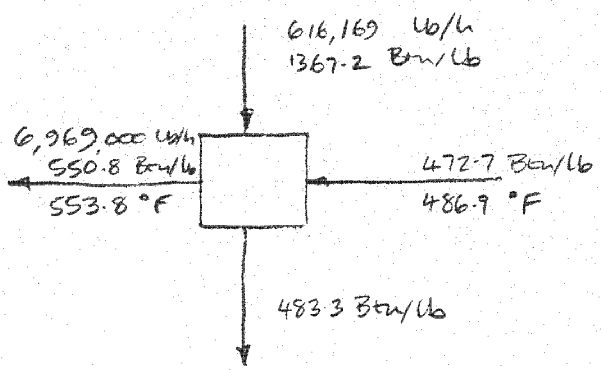


FEED: $\Delta T = (559.4 - 485.2) = \underline{74.2\,°F}$

Heat transfered $= 659,446\,(1383.1 - 481.2)$
$= 594,754,347$ Btu/h

Ext^n steam vol. flow $= \underline{397949 \text{ ft}^3/\text{h}}$

(C) NP UPGRADE PROPOSAL — PRELIMINARY



FEED: $\Delta T = (553.8 - 486.9) = \underline{66.9\,°F}$

Heat transfered $= 616,169\,(1367.2 - 483.3)$
$= 544,631,779$ Btu/h

Ext^n steam vol. flow $= \underline{378007 \text{ ft}^3/\text{h}}$.