

Job esigner 4807-Hampton Inn Hampton Inn Baldwin State Certification/License Numbe 1515 Meridian S Puyallup, WA Address 3 Job Site/Building System 0.10 gpm/ft<sup>2</sup> 900 ft² (Actual 365 ft²) Most Demanding Sprinkler Data Hose Streams 4.9 K-Factor 25.60 at 27.295 100.00 Number Of Sprinklers Calculated Number Of Nozzles Calculated 256 ft<sup>2</sup> 85.448 107.15 Total Demand 207.15 @ 85.448 +21.162 (19.8%) Supplies **Check Point Gauges** Node Name Flow(gpm) Hose Flow(gpm) Static(psi) Residual(psi) Identifier Pressure(psi) K-Factor(K) Flow(qpm) Water Supply 1950.00 108.000 20.000 **WASHINGTON STATE** CERTIFICATE OF COMPETENCY FIRE PROTECTION SPRINKLER SYSTEMS Michael Paul Moffett 4513-0612-C Level 3 Fire Sprinklers Incorporated FIRESI\*988RJ Signature 08252023\_UPDATED\_Hampton\_FP Water Supply at Node 1 (1950.00, 0.00, 108.000, 20.000) 150 135 120 Static Pressure 108.000 105 207.15 @ 106.610 207.15 with hose streams 90 107.15 @ 85.448 Pressure, 75 60 System demand curve 45 j<del>ililili</del>. ДПП. 30 15 950.00 @ 20.000<sup>-</sup> 0 0.500<sub>750</sub>1000<sub>1250</sub>1500<sub>1750</sub> 2500 2250 Water flow, gpm



Job esigner 4807-Hampton Inn Hampton Inn Baldwin State Certification/License Numbe 1515 Meridian S Puyallup, WA Address 3 Job Site/Building System 0.10 gpm/ft<sup>2</sup> 1500 ft2 (Actual 184 ft2) Most Demanding Sprinkler Data Hose Streams 4.9 K-Factor 12.96 at 7.000 100.00 Coverage Per Sprinkler Number Of Sprinklers Calculated Number Of Nozzles Calculated 225 ft<sup>2</sup> 37.802 52.59 Total Demand +69.408 (64.7%) 152.59 @ 37.802 Supplies **Check Point Gauges** Identifier Node Name Flow(gpm) Hose Flow(gpm) Static(psi) Residual(psi) Pressure(psi) K-Factor(K) Flow(gpm) Water Supply 1950.00 100.00 108.000 20.000 WASHINGTON STATE CERTIFICATE OF COMPETENCY FIRE PROTECTION SPRINKLER SYSTEMS Michael Paul Moffett 4513-0612-C Level 3 Fire Sprinklers Incorporated FIRESI\*988RJ Signature 08252023\_UPDATED\_Hampton\_FP Water Supply at Node 1 (1950.00, 0.00, 108.000, 20.000) 150 135 120 Static Pressure 108.000 105 152.59 @ 107.210 90 SS. Pressure, 75 60 HILLIII. MILLION . 152.59 with hose streams System demand curve 52.59 @ 37.802 15 950.00 @ 20.000<sup>-</sup> 0.500<sub>750</sub>1000<sub>1250</sub>1500<sub>1750</sub> 2000 2500 2250 Water flow, gpm



Job esigner 4807-Hampton Inn Hampton Inn Baldwin State Certification/License Numbe 1515 Meridian S AH.I Puyallup, WA Address 3 Job Site/Building System 0.15 gpm/ft<sup>2</sup> 2100 ft² (Actual 2176 ft²) Most Demanding Sprinkler Data Hose Streams 5.6 K-Factor 19.50 at 12.130 250.00 Number Of Sprinklers Calculated Coverage Per Sprinkler Number Of Nozzles Calculated 130 ft<sup>2</sup> 65.697 349.04 Total Demand +32.390 (33.0%) 599.04 @ 65.697 Supplies **Check Point Gauges** Identifier Node Name Flow(gpm) Hose Flow(gpm) Static(psi) Residual(psi) Pressure(psi) K-Factor(K) Flow(gpm) Water Supply 1950.00 250.00 108.000 20.000 WASHINGTON STATE CERTIFICATE OF COMPETENCY FIRE PROTECTION SPRINKLER SYSTEMS Michael Paul Moffett 4513-0612-C Level 3 Fire Sprinklers Incorporated FIRESI\*988RJ 08252023\_UPDATED\_Hampton\_FP Water Supply at Node 1 (1950.00, 0.00, 108.000, 20.000) 150 135 120 Static Pressure 108.000 105 \_599.04 @ 98.087 90 SSi Pressure, 75 599.04 with hose streams 60 -349.04 @ 65.697 HIIII MILLION . 45 System demand curve 30 15 . 1950.00 @ 20.000⁻ 0 0.500<sub>750</sub>1000<sub>1250</sub>1500<sub>1750</sub> 2000 2500 2250 Water flow, gpm