| | | Item |
|---|---|---|
| 1) | West BiØ Stg. Tank | 102 B |
| 2) | BiØ Stg. Tank Pump | 101 B |
| 3) | Biphenyl Head Tank | 103 B |
| 4) | Biphenyl Head Tank Pump | 104 B |
| 5) | #1 Chlorinator | 105 B |
| 6) | #1 Chlorinator Pump | 121 B |
| 7) | #1 Chlorinator Heat Exchanger | 210 B |
| 8) | #1 Chlorinator Demister | 110 B |
| 9) | #2 Chlorinator | 106 B |
| 10) | #2 Chlorinator Pump | 122 B |
| 11) | #2 Chlorinator Heat Exchanger | 211 B |
| 12) | #2 Chlorinator Demister | 111 B |
| 13) | #3 Chlorinator | 107 B |
| 14) | #3 Chlorinator Pump | 123 B |
| 15) | #3 Chlorinator Heat Exchanger | 212 B |
| 16) | #3 Chlorinator Demister | 112 B |
| 17) | #4 Chlorinator | 108 B |
| 18) | #4 Chlorinator Pump | 124 B |
| 19) | #4 Chlorinator Heat Exchanger | 213 B |
| 20) | #4 Chlorinator Demister | 113 B |
| 21) | #5 Chlorinator | 109 B |
| 22) | #5 Chlorinator Pump | 125 B |
| 23) | #5 Chlorinator Heat Exchanger | 201 B |
| 24) | #5 Chlorinator Demister | 114 B |
| 25) | #6 Chlorinator | 406 C |
| 26) | #6 Chlorinator Pump | 407 C |
| 27) | #6 Chlorinator Heat Exchanger | 408 C |
| 28) | #6 Chlorinator Demister | 409 C |
| 29) | #7 Chlorinator | 410 C |
| 30) | #7 Chlorinator Pump | 411 C |
| 31) | #7 Chlorinator Heat Exchanger | 412 C |
| 32) | #7 Chlorinator Demister | 413 C |
| 33) | #8 Chlorinator | 414 C |
| 34) | #8 Chlorinator Pump | 415 C |
| 35) | #8 Chlorinator Heat Exchanger | 416 C |
| 36) | #8 Chlorinator Demister | 417 C |
| 37) | #9 Chlorinator | 418 C |
| 38) | #9 Chlorinator Pump | 419 C |
| 39) | #9 Chlorinator Heat Exchanger | 420 C |
| 40) | #9 Chlorinator Demister | 421 C |
| 41) | Chlorine Vaporizer | 116 C |
| 42) | Chlorine Demister | 115 C |
| 43) | Chlorine Demister | 590 C |
| 44) | HCL Stg. Tank | 429 C |
| 45) | HCL Stg. Tank Pump | 431 C |
| 46) | HCL Demister | 430 C |
| 47) | HCl Sample Surge Tank | 435 C |
| 48) | HCL Off Gas Condenser | 427 C |
| 49) | HCL Off Gas Condenser $H_2O$ Pump | 428 C |
| 50) | Intermediate Storage Tank(#1) | 424 C |
| 51) | Intermediate Storage Tank Pump | 425 C |
| 52) | Blow Tank (Continuous) | 422 C |
| 53) | Blow Tank Pump (Continuous) | 423 C |
| 54) | Air Blower | 432 C |
| 55) | Scrubber (Drowning Jet) | 426 C |
| 56) | #3 Still | 502 B |

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| | | Item | |
|---|---|---|---|
| 57) | #3 Still Pump | 503 | B |
| 58) | #3 Still Cyclone Separator | 505 | B |
| 59) | #3 Still Heat Exchanger | 504 | B |
| 60) | #3 Still Condenser | 506 | B |
| 61) | #3 Still Receiver | 508 | B |
| 62) | #3 Still Receiver Pump | 510 | B |
| 63) | #3 Still Catch Pot | 523 | B |
| 64) | #3 Still Jet (South) | 509 | B |
| 65) | #4 Still | 511 | B |
| 66) | #4 Still Pump | 525 | B |
| 67) | #4 Still Cyclone Separator | 512 | B |
| 68) | #4 Still Heat Exchanger | 526 | B |
| 69) | #4 Still Condenser | 513 | B |
| 70) | #4 Still Receiver | 515 | B |
| 71) | #4 Still Receiver Pump | 517 | B |
| 72) | #4 Still Catch Pot | 524 | B |
| 73) | #4 Still Jet (North) | 516 | B |
| 74) | $H_2O$ Circulating Pump for #3 & #4 (Cond.) | 520 | B |
| 75) | #4 Surge Tank | 537 | B |
| 76) | #4 Surge Tank Pump | 538 | B |
| 77) | #2 Absorber (1248) | 539 | A |
| 78) | #3 Absorber (1254) | 540 | A |
| 79) | Polish Filter (For #2 and 3 Abs.) | 541 | A |
| 80) | #4 F.P. Tank (Color Rec.) | 542 | A |
| 81) | #4 F.P. Tank Pump | 544 | |
| 82) | #3 Surge Tank | 530 | B |
| 83) | #3 Surge Tank Pump | 531 | B |
| 84) | #1 Absorber | 532 | B |
| 85) | Polish Filter (For #1 Absorber) | 533 | B |
| 86) | #3 F.P. Tank | 534 | B |
| 87) | #3 F.P. Tank Pump | 536 | B |
| 88) | #9 Stg. | 117 | A |
| 89) | #10 Stg. | 118 | A |
| 90) | #11 Stg. | 119 | A |
| 91) | #12 Stg. | 562 | B |
| 92) | #13 Stg. | 560 | B |
| 93) | #14 Stg. | 558 | A |
| 94) | #15 Stg. | 559 | A |
| 95) | #16 Stg. | 561 | B |
| 96) | Therminol Heater | 585 | B |
| 97) | Therminol Circulation Pump | 587 | B |
| 98) | Therminol Surge Tank | 586 | B |
| 99) | #4 Absorber (1260) | 545 | B |
| 100) | #4 Absorber Polish Filter | 546 | B |
| 101) | #1 Blow Tank | 167 | B |
| 102) | #1 Blow Tank Pump | 129 | B |
| 103) | #2 Blow Tank | 126 | B |
| 104) | #2 Blow Tank Pump | 127 | B |
| 105) | #1 Still | 130 | B |
| 106) | #1 Still Pump | 132 | B |
| 107) | #1 Still Furnaces | 131 | B |
| 108) | #1 Still Condenser | 136 | B |
| 109) | #1 Still Receiver & Pump | 138 & 140 | B |
| 110) | Steam Jet (North) | 203 | B |
| 111) | Steam Jet (Middle) | 204 | B |
| 112) | Steam Jet (South) | 205 | B |
| 113) | #1 Blend Tank | 142 | B |

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| | | Item | |
|---|---|---|---|
| 114) | #2 Blend Tank | 143 | B |
| 115) | #1 F.P. Tank | 146 | B |
| 116) | #2 F.P. Tank | 147 | B |
| 117) | #2 Still | 133 | B |
| 118) | #2 Still Pump | 168(No.) & 177(So.) | B |
| 119) | #2 Still Furnaces | 134 | B |
| 120) | #2 Still Condenser | 137 | B |
| 121) | #2 Still Receiver | 139 | B |
| 122) | #2 Still Receiver Pump | 141 | B |
| 123) | Blend Tank Pump (Press Pump) | 144 | B |
| 124) | #5 Stg. | 152 | 259 |
| 125) | #5 Stg. Pump | 153 | 259 |
| 126) | #6 Stg. | 162 | 259 |
| 127) | #6 Stg. Pump | 163 | 259 |
| 128) | #7 Stg. | 156 | 259 |
| 129) | #7 Stg. Pump | 157 | 259 |
| 130) | #1 Mix Tank | 159 | 259 |
| 131) | #1 Mix Tank Pump | 160 | 259 |
| 132) | #2 Mix Tank | 164 | 259 |
| 133) | #2 Mix Tank Pump | 165 | 259 |
| 134) | #3 Mix Tank | 154 | 259 |
| 135) | #3 Mix Tank Pump | 155 | 259 |
| 136) | Electric Hoist | 181 | C |
| 137) | #7 Stg. Filter | 183 | B |
| 138) | #2 Mix Press | 166 | 259 |
| 139) | #3 Mix Press | 187 | 259 |
| 140) | E. $H_2O$ Booster Pump (East) | 170 | A |
| 141) | $H_2O$ Booster Pump (Middle) | 171 | B |
| 142) | Cat Mix Tank | 403 | C |
| 143) | Cat Mix Tank Pump | 405 | C |
| 144) | East BiØ Stg. Tank | 401 | C |
| 145) | East BiØ Stg. Tank Pump | 402 | C |
| 146) | TCB Unloading Pump (Tr. 11, Spot 3) | 174 | 259 |
| 147) | Alsop Filter at Tr. 10A, Spot 3 | 180 | B |
| 148) | Blow Brinks Stg. Tank | 436 | C |
| 149) | Blow Brinks Stg. Mist Eliminator | 437 | C |
| 150) | Spare Jet for 3 & 4 Stills | 527 | B |
| | City Water Break Tank | 169 | C |
| | Fume Blower | 189 | C |
| | #4 Mix Tank | 178 | 259 |
| | #4 Mix Tank Sparkler Filter(18") | 173 | 259 |
| | #4 Mix Tank Circ.Pump | 179 | 259 |
| | Sump Pump | 220 | C |
| | West City Water Pump | 434 | C ✓ |
| | Seal Tank(High Line-236) | 176 | C |
| | Transfer Pump for #9 Stg. | 207 | C |
| | Transfer Pump for #10 Stg. | 208 | C |
| | Transfer Pump for #11 Stg. | 209 | C |
| | Transfer Pump for #12 and #13 | 564 | C |
| | Transfer Pump for #14 and #15 | 565 | C |
| | Transfer Pump for #16 | 566 | C |

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## ITEM NUMBERS FOR COLUMN

| | | Item |
|---|---|---|
| 151) | Column | 301 A |
| 152) | Column Condenser | 302 A |
| 153) | Still Pot | 305 A |
| 154) | Still Pot Pump | 306 A |
| 155) | Reboiler Furnace | 307 A |
| 156) | Jet | 308 A |
| 157) | Residue Tank | 312 A |
| 158) | Residue Tank Pump | 313 A |
| 159) | Fuel Oil Storage Tank | 316 A |
| 160) | Fuel Oil Storage Tank Pump | 317 A |
| 161) | Lime Slurry Tank | 320 C |
| 162) | Lime Slurry Tank Pump | 352 C |
| 163) | HCl Scrubber | 323 |
| 164) | Vent Condenser | 324 A |
| 165) | Tempered Water Pump | 325 A |
| 166) | Motor Control Center | 326 A |
| 167) | Light Ends Receiver | 328 A |
| 168) | Light Ends Receiver Pump | 331 A |
| 169) | #2 Intermediate Storage Tank | 329 A |
| 170) | #2 Intermediate Storage Tank Pump | 330 A |
| 171) | #5 Absorber | 348 B |
| 172) | #5 Absorber Feed Pump(#2 and 3 abs.) | 350 A |
| 173) | Flash Tank | 351 A |
| 174) | #17 Storage | 314 B |
| 175) | #18 Storage | 340 A |
| 176) | #19 Storage | 343 A |
| 177) | #17 Storage Filter | 315 B |
| 178) | #18 Storage Filter | 342 A |
| 179) | #19 Storage Filter | 345 A |

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