

BILL OF MATERIALS FOR 32-ASSEMBLY HI-STAR 100 PWR MPC.(BM-1477)

(E.I.D. 2850)

REF. DWG. 1392 & 1393.

SHEET 2 OF 2

REV. NO.	PREP. BY & DATE	CHECKED BY & DATE	PROJ. MANAGER & DATE	QA. MANAGER & DATE
10	J.A. 4-11-2000 INCORPORATED ECO 5014-6, ECO-1021-7 & 8	<i>B.G.</i> 9/13/00	<i>Ben Luther</i> 9/13/00	<i>S.S.</i> 9/13/00
ITEM NO.	QTY.	MATERIAL	DESCRIPTION	NOMENCLATURE
17	---	---	DELETED	---
18	AS REQD	ALLOY "X" SEE NOTE 1.	AS REQUIRED	BASKET SUPPORT
19	2	ALLOY "X" SEE NOTE 1.	PLATE 3/8" THK. X 3 7/8" OD.	PORT COVER PLATE
20	32	A-193-B8 OR SIMILAR	3/4"-10UNC X 1 3/8" LG. HEX. BOLT FULL THRD.	UPPER FUEL SPACER BOLT
21	AS REQD	ALLOY "X" SEE NOTE 1.	3/4" X 2" X THICKNESS AS REQUIRED.	LIFT LUG SHIM
22	---	---	DELETED	---
23	4	A-193-B8 OR SIMILAR	1 3/4"-5UNC X 2 3/4" LG SOCKET SET SCREW	LID LIFT HOLE PLUG
24	32	ALLOY "X" SEE NOTE 1.	3"-SCH 80 PIPE LGTH AS REQD.	UPPER FUEL SPACER PIPE
25	1 SET	ALLOY "X" SEE NOTE 1.	LENGTH, WIDTH AND THICKNESS AS REQ'D.	LID SHIM
26	1	S/S	COUPLING	COUPLING
27	AS REQD	ALLOY "X" SEE NOTE 1.	3/4" X 5" DIAMETER	UPPER FUEL SPACER END PLATE
28	1	ALLOY "X" SEE NOTE 1.	BAR 3 3/4" OD. X 5.5" LG.	VENT SHIELD BLOCK
29	4	ALLOY "X" SEE NOTE 1.	BAR 3/4" OD. X 1/2" LG.	VENT SHIELD BLOCK SPACER
30	1	ALLOY "X" SEE NOTE 1.	2"-SCH 10 PIPE X 173 1/2" APPROX. LG	DRAIN LINE
31	4	S/S	SOCKET SET SCREW 1/4-20 1/4" LG	COVER PLATE PLUG
32	32	ALLOY "X" SEE NOTE 1.	PLATE 3/8" THK X 4" OD.	UPPER FUEL SPACER END PLATE
33	32	S/S SEE NOTE 5	6" OD. X 1/4" WALL TUBE LGTH AS REQD.	LOWER FUEL SPACER COLUMN
34	AS REQD.	ALUM. 1100	1/8" THK. ALUM. SHEET AS REQD X 176 1/2" LG (153" LG APP. AT DRAIN PIPE LOCATION) WITH S/S SPRINGS.	HEAT CONDUCTION ELEMENTS
35	2	ALUMINUM	0.065" THK X 1.484 OD, .250 HOLE	SEAL WASHER
36	2	S/S	1/4" DIA X 3/8" LG	SEAL WASHER BOLT
37	2	ALLOY "X" SEE NOTE 1.	1/8" THK	DRAIN LINE
38	---	-----	DELETED	-----

NOTES: (FOR SHEET 1 & 2)

1. ALLOY X IS ANY OF THE FOLLOWING ACCEPTABLE STAINLESS STEEL ALLOYS: ASME TYPE 316, 316LN, 304, 304LN. THE ALLOY TO BE USED SHALL BE SPECIFIED BY THE LICENSEE.
2. MINIMUM BORAL B-10 LOADING IS 0.0372 g/cm². BORAL TO BE PASSIVATED PRIOR TO INSTALLATION.
3. ALL DIMENSIONS ARE APPROXIMATE DIMENSIONS.
4. ITEMS 8A, 8B, 9A, 9B, 18 AND 34 MAY BE MADE FROM MORE THAN ONE PIECE. THE ENDS OF THE PIECES DO NOT NEED TO BE WELDED TOGETHER BUT THEY MUST BE FLUSH WITH EACH OTHER WHEN INSTALLED.
5. MUST BE TYPE 304, 304LN, 316, OR 316LN TENSILE STRENGTH > 75 ksi, YIELD STRENGTH > 30ksi, AND CHEMICALS PER ASTM A554.



BILL OF MATERIALS FOR 24-ASSEMBLY HI-STAR 100 PWR MPC.(BM-1478)

REF. DWG. 1395 & 1396.

SHEET 1 OF 2

REV.NO.	PREP. BY & DATE	CHECKED BY & DATE	PROJ. MANAGER & DATE	QA. MANAGER & DATE
10	S.GEE 11-3-99 REVISED AS INDICATED	<i>Burdette</i> 11/22/99	<i>Neil</i> B.G.P. 11/23/99	<i>M. Lee</i> M.S. 11/22/99
ITEM NO.	QTY.	MATERIAL	DESCRIPTION	NOMENCLATURE
1A	2	ALLOY "X" SEE NOTE 1.	PLATE 5/16" THK X 63.20" REF W. X 176 1/2" LG	BASKET CELL PLATE
1B	1		PLATE 5/16" THK X 60.57" REF W. X 176 1/2" LG.	BASKET CELL PLATE
1C	2		PLATE 5/16" THK X 43.42" REF W. X 176 1/2" LG.	BASKET CELL PLATE
1D	1		PLATE 5/16" THK X 20.402" REF W. X 176 1/2" LG.	BASKET CELL PLATE
1E	1		PLATE 5/16" THK X 7.7175" REF W. X 176 1/2" LG.	BASKET CELL PLATE
1F	22		PLATE 5/16" THK X 10.4625" REF W. X 176 1/2" LG.	BASKET CELL PLATE
1G	1		PLATE 5/16" THK X 9.7445" REF W. X 176 1/2" LG.	BASKET CELL PLATE
1H	2		PLATE 5/16" THK X 9.03" REF W. X 176 1/2" LG.	BASKET CELL PLATE
2	24	▽	PIPE 3"-SCH 80 LGTH AS REQD.	UPPER FUEL SPACER PIPE
2A (23)	34(12)	BORAL	.075" THK. X 7.5" W. (6 1/4") X 155" LG. PER DET. DWG. 1395. SEE NOTE 2.	NEUTRON ABSORBER
4A (4B)	34(12)	ALLOY "X" SEE NOTE 1.	.06" THK. SHEATHING PER DET. DWG. 1395.	SHEATHING
5A	4		PLATE 5/16" THK X 3" W. X 176 1/2" LG.	BASKET CELL PLATE
5B	4		PLATE 5/16" THK X 3 3/4" APPROX. W. X 176 1/2" LG.	BASKET CELL PLATE
5C	4		PLATE 1.5" APP. THK. X 3" W. X 168" LG.	BASKET SUPPORT
5D	4		2 1/2" W X 168" LG	BASKET SUPPORT
5E	4		2" WIDE X 168" LG. THICKNESS AS REQD.	BASKET SUPPORT
5F	-		DELETED	---
5G	4		1 1/4" W X 1" THK X 168" LG.	BASKET SUPPORT DRIM
5H	---		DELETED	----
6	1		1/2" THK X 68 3/8" O.D. X 187 5/8" LG. CYLINDER.	SHELL
7	1		BASEPLATE 2 1/2" THK X 68 3/8" O.D.	BASEPLATE
8A	22		9/32" THK. ANGLE X 176 1/2" LG. FROM PLATE PER DET. DWG. 1395.	BASKET CELL ANGLE
8B	2		9/32" THK. CHANNEL X 176 1/2" LG. FROM PLATE PER DET. DWG. 1395.	BASKET CELL CHANNEL
9A	1		5/16" THK. X 10" W. APP. X 168" LG. PER DET.	BASKET SUPPORT
9B	2		5/16" THK. X 7 1/2" APP. W. X 168" LG. PER DET.	BASKET SUPPORT
9C	1		5/16" THK. X 5" APP. W. X 168" LG. PER DET.	BASKET SUPPORT
9D	AS REQD		AS REQUIRED	BASKET SUPPORT
9E	----		DELETED	---
9F	---		DELETED	---
9G	---		DELETED	---
9H	---		DELETED	---
10	4	▽	PLATE 3/4" THK. X 3 1/2" WIDE X 6 3/4" LG.	LIFT LEG



BILL OF MATERIALS FOR 24-ASSEMBLY HI-STAR 100 PWR MPC.(BM-1478)

EID #3098

REF. DWG. 1395 & 1396.

SHEET 2 OF 2

REV. NO.	PREP. BY & DATE	CHECKED BY & DATE	PROJ. MANAGER & DATE	QA. MANAGER & DATE
13	J.A. 4-11-00 EID 1021-7 & 8 EID 1022-3	<i>NOSE</i> B.G. 4/14/00	<i>Ben Smith</i> 4/14/00	<i>M.P. Papp</i> 4/14/00
ITEM NO.	QTY.	MATERIAL	DESCRIPTION	NOMENCLATURE
11	4	ALLOY "X" SEE NOTE 1.	PLATE 3/4" THK. X 4" WIDE X 3" LG.	LIFT LUG BASEPLATE
12	1	ALLOY "X" SEE NOTE 1.	BAR 3.75" OD. X 5 7/8" LG.	DRAIN SHIELD BLOCK
13A	2	304 S/S	BAR 2 11/16" OD X 6.75" LG, DIMENSIONS AS SHOWN ON DWG 1396 SH 4	VENT AND DRAIN TUBE
13B	2	304 S/S	BAR 2 1/4 OD X 2 1/4 LG, DIMENSIONS AS SHOWN ON DWG 1396 SH 4	VENT AND DRAIN TUBE CAP
14	1	ALLOY "X" SEE NOTE 1.	9 1/2" THK. X 67 1/4" O.D.	MPC LID
15	1	▽	RING 3/8" THK. X 53 1/4" ID. X 67 5/8" O.D.	MPC CLOSURE RING
16	1	S/S	2-1/2" SCH. 10 PIPE, 158" LG WITH FUNNEL	DRAIN GUIDE TUBE
17	—	—	DELETED	—
18	AS REQ'D	ALLOY "X" SEE NOTE 1.	AS REQUIRED	BASKET SUPPORT
19	2	ALLOY "X" SEE NOTE 1.	PLATE 3/8" THK. X 3 7/8" OD.	PORT COVER PLATE
20	24	A-193-B8 OR SIMILAR	3/4"-10UNC X 1 1/4" LG. HEX BOLT WITH FULL THRD.	UPPER FUEL SPACER BOLT
21	AS REQ'D	ALLOY "X" SEE NOTE 1.	3/4" X 2" X THICKNESS AS REQUIRED	LIFT LUG SHIM
22	—	—	DELETED	—
23	4	A-193-B8 OR SIMILAR	1 3/4"-5UNC X 2 3/4" LG SOCKET SET SCREW	LID LIFT HOLE PLUG
24	24	ALLOY "X" SEE NOTE 1.	PLATE 3/8" THK X 4" OD.	UPPER FUEL SPACER END PLATE
25	1 SET	ALLOY "X" SEE NOTE 1.	LENGTH, WIDTH AND THICKNESS OF SHIMS AS REQUIRED.	LID SHIM
26	1	S/S	COUPLING	COUPLING
27	AS REQ'D	ALLOY "X" SEE NOTE 1.	3/4" X 5" DIAM.	UPPER FUEL SPACER END PLATE
28	1	ALLOY "X" SEE NOTE 1.	BAR 3.75" OD. X 5.5" LG.	VENT QUICK DISCONN. CPLG.
29	4	ALLOY "X" SEE NOTE 1.	BAR 3/4" OD. X 1/2" LG.	VENT SHIELD BLOCK SPACER
30	1	ALLOY "X" SEE NOTE 1.	2"-SCH 10 PIPE X 173 1/2" APPROX. LG.	DRAIN LINE
31	4	S/S	SOCKET SET SCREW 1/4-20 1/4" LG	COVER PLATE PLUG
32	24	S/S SEE NOTE 5	6" SQ. TUBING X 1/4" WALL LENGTH AS REQ'D.	LOWER FUEL SPACER COLUMN
33A	24	ALLOY "X" SEE NOTE 1.	PLATE 3/8" THK X 8.5" SQ.	LOWER FUEL SPACER END PLATE
33B	24	—	PLATE 3/8" THK X 8.5" SQ.	LOWER FUEL SPACER END PLATE
34	—	—	DELETED	—
35	AS REQ'D.	ALUM. ALLOY 1100 & S/S	1/8" THICK X 176 1/2" LG. ALUM. SHEET (153" LG (APP.) AT DRAIN PIPE LOCATION) WITH S/S SPRINGS	HEAT CONDUCTION ELEMENTS
36	2	ALUMINUM	0.065" THK 1.494 OD, 0.250" HOLE	SEAL WASHER
37	2	S/S	1/4" DIA X 3/8" LG	SEAL WASHER BOLT
38	2	ALLOY "X" SEE NOTE 1.	1/8" X 10 1/2" X 9 1/2" SHEET	DRAIN LINE
39	—	—	DELETED	—

NOTES: (FOR SHEET 1 & 2)

1. ALLOY X IS ANY OF THE FOLLOWING ACCEPTABLE STAINLESS STEEL ALLOYS: ASME TYPE 316, 316LN, 304, 304LN. THE ALLOY TO BE USED SHALL BE SPECIFIED BY THE LICENSEE.

2. MINIMUM BERAL 8-10 LOADING IS 0.0267 g/cm². BERAL TO BE PASSIVATED PRIOR TO INSTALLATION.

3. ALL DIMENSIONS ARE APPROXIMATE DIMENSIONS.

4. ITEMS 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

5. MUST BE TYPE 304, 304LN, 316, OR 316LN WITH TENSILE STRENGTH 75ksi, YIELD STRENGTH 30ksi, AND CHEMICALS PER ASTM A554.



BILL OF MATERIALS FOR 68-ASSEMBLY HI-STAR 100 BWR MPC. (BM-1479)

E.I.D. #3099

SHEET 1 OF 2

REF. DWGS. 1401 & 1402.

REV. NO.	PREP. BY & DATE	CHECKED BY DATE	PROJ. MANAGER & DATE	QA. MANAGER & DATE
12	J.A. 4-11-00 ECO 1021-4	<i>RL</i> B.G. 4/14/00	<i>Ben Luth</i> 9/14/00	<i>G. S. ...</i> 4/14/00
ITEM NO.	QTY.	MATERIAL	DESCRIPTION	NOMENCLATURE
1A	3	ALLOY "X" SEE NOTE 1.	PLATE 1/4" THK. X 65.65"W. X 176" LG PER DET. DWG. 1401.	BASKET CELL PLATE
1B	4		PLATE 1/4" THK. X 52.67"W. X 176" LG PER DET. DWG. 1401.	BASKET CELL PLATE
1C	2		PLATE 1/4" THK. X 39.69"W. X 176" LG PER DET. DWG. 1401.	BASKET CELL PLATE
1D	2		PLATE 1/4" THK. X 13.73"W. X 176" LG PER DET. DWG. 1401.	BASKET CELL PLATE
1E	78		PLATE 1/4" THK. X 6.24"W. X 176" LG PER DET. DWG. 1401.	BASKET CELL PLATE
2	68	▽	3"- SCH 80 PIPE LGTH AS REQD.	UPPER FUEL SPCCR COLUMN
3A	116	BORAL	.101" THK. X 4 3/4"W. X 156" LG. PER DET. DWG. 1401. SEE NOTE 2.	NEUTRON ABSORBER
4A	116	ALLOY "X" SEE NOTE 1.	.075" THK. SHEATHING PER DET. DWG. 1401.	SHEATHING
5	8		BAR 1" WIDE X 168" LG X THICKNESS AS REQUIRED	BASKET SUPPORT SHIM
6	1		1/2" THK X 68 3/8" O.D. X 187 5/8" LG. CYLINDER.	SHELL
7	1		BASEPLATE 2 1/2" THK X 68 3/8" O.D.	BASEPLATE
8	8		PLATE 5/16" THK. X 10" APPROX. W. X 168 1/2" LG. PER DET. DWG. 1401.	BASKET SUPPORT
9A	4		BAR 1" W. X .8" APPROX. THK. X 168 1/2" LG.	BASKET SUPPORT
9B	---		DELETED	---
9C	8		2 1/2" WIDE X 168 1/2" LG. THICKNESS AS REQD. ROLL TO SHELL I.D.	BASKET SUPPORT
9D	AS REQD		AS REQUIRED	BASKET SUPPORT
10	4		PLATE 3/4" THK. X 3 1/2" WIDE X 8 3/4" LG.	LIFT LUG
11	4		PLATE 3/4" THK. X 2 1/2" WIDE X 4" LG.	LIFT LUG BASEPLATE
12	1	▽	BAR 3.75" O.D. X 5 7/8" LG.	DRAIN SHIELD BLOCK
13A	2	304 S/S	BAR 2 11/16" O.D X 6 3/4" REF LG, DIMENSION ON DWG 1402 SHT 4	VENT AND DRAIN TUBE
13B	2	304 S/S	BAR 2 1/4" O.D X 2 1/4" REF LG, DIMENSION ON DWG 1402 SHT 4	VENT AND DRAIN TUBE CAP
14	1	ALLOY "X" SEE NOTE 1.	10" THK. X 67 1/4" O.D. [MPC-68] 10" THK. X 66 1/4" O.D. [MPC-68F]	MPC LID
15	1	ALLOY "X" SEE NOTE 1.	RING 3/8" THK. X 53 1/4" ID. X 67 5/8" O.D. [MPC-68] RING 3/8" THK. X 53 1/4" ID. X 67 1/8" O.D. [MPC-68F]	MPC CLOSURE RING
16	1	S/S	2-1/2"-SCH 10 PIPE 158" LG WITH FUNNEL	DRAIN GUIDE TUBE

BILL OF MATERIALS FOR 68-ASSEMBLY HI-STAR 100 BWR MPC.(BM-1479) (E.I.D. 3083)

REF. DWGS. 1401 & 1402.

SHEET 2 OF 2

REV. NO.	PREP. BY & DATE	CHECKED BY DATE	PROJ. MANAGER & DATE	QA. MANAGER & DATE
15	J.A. 4-11-00 INCORPORATED ECD-1021-3, 7, & 8	<i>NO RECD</i> B.G. 4/13/00	<i>Ben Huth</i> 4/14/00	<i>S S L</i> 4/14/00
ITEM NO.	QTY.	MATERIAL	DESCRIPTION	NOMENCLATURE
17	1	ALLOY "X" SEE NOTE 1.	1" THK X 68 3/8" OD X 11 5/8" LG. CYLINDER (MPC-68F)	SHELL
18	8	ALLOY "X" SEE NOTE 1.	3/8" THK FEMALE SUPPORT SHIM PER DETAIL, DWG. 1401, SHT 4.	BASKET SUPPORT SHIM
19	2	ALLOY "X" SEE NOTE 1.	PLATE 3/8" THK X 3 7/8" OD.	PORT COVER PLATE
20	68	A-193-88 OR SIMILAR	3/4"-10UNC X 1.375"LG. FULL THRD. HEX. BOLT	UPPER FUEL SPACER BOLT
21	AS RECD	ALLOY "X" SEE NOTE 1.	3/4" W X 2" LG X THICKNESS AS REQUIRED	LIFT LEG SHIM
22	---	---	DELETED	---
23	4	A-193-88 OR SIMILAR	1 3/4"-5UNC X 2 3/4" LG. SOCKET SET SCREW.	LIFT HOLE PLUG
24	68	ALLOY "X" SEE NOTE 1.	PLATE 3/8" THK X 4" OD.	UPPER FUEL SPACER END PLATE
25	1 SET	ALLOY "X" SEE NOTE 1	LENGTH, WIDTH, THICKNESS AND QUANTITY AS RECD.	LID SHIM
26	1	S/S	2" FEMALE X 1 1/4" MALE SCH. 40, S/S COUPLING	COUPLING
27			DELETED	
28	1	ALLOY "X" SEE NOTE 1.	BAR 3.75" OD. X 5.5" LG.	VENT SHIELD BLOCK
29	4	ALLOY "X" SEE NOTE 1.	BAR .75"OD X .5"LG.	VENT SHIELD BLOCK SPACER
30	1	ALLOY "X" SEE NOTE 1.	2"-SCH 10 PIPE X 173" APPROX. LG.	DRAIN LINE
31	4	S/S	SOCKET SET SCREW 1/4-20 1/4" LG	COVER PLATE PLUG
32	---	---	DELETED	---
33	68	S/S SEE NOTE 5	4" SQ. TUBE X 1/4" WALL LENGTH AS RECD. (FOR SHORT FUEL ONLY)	LOWER FUEL SPACER COLUMN
34A	68	ALLOY "X" SEE NOTE 1.	3/8" THK. X 5 3/4" SQ. PLATE (FOR SHORT FUEL ONLY)	LOWER FUEL SPACER END PLATE
34B	68	ALLOY "X" SEE NOTE 1.	3/8" THK. X 5 3/4" SQ. PLATE (FOR SHORT FUEL ONLY)	LOWER FUEL SPACER END PLATE
35			DELETED	
36	---	---	DELETED	
37	AS RECD	ALUM. ALLOY 1100	1/8" THK. X 176" LG. ALUM. SHEET. (153" LG APP. AT DRAIN PIPE LOCATION.) W/S/S SPRINGS.	HEAT CONDUCTION ELEMENTS
38	2	ALUMINUM	.065" THK X 1.494 OD, .250 HOLE	SEAL WASHER
39	2	S/S	1/4" DIA X 3/8 LG	SEAL WASHER BOLT
40	2	ALLOY "X" SEE NOTE 1	1/8" THK. 6" X 6" APPROX. SHEET	DRAIN LINE
41	---	---	DELETED	---

NOTES: (FOR SHEET 1 & 2)

1. ALLOY X IS ANY OF THE FOLLOWING ACCEPTABLE STAINLESS STEEL ALLOYS: ASME TYPE 316, 316LN, 304, 304LN.
THE ALLOY TO BE USED SHALL BE SPECIFIED BY THE LICENSEE.
2. FOR MPC-68 AND MPC-68FF, MINIMUM BORAL 8-10 LOADING IS 0.0372 g/cm². FOR MPC-68F, MINIMUM BORAL 8-10 LOADING IS 0.01 g/cm².
BORAL TO BE PASSIVATED PRIOR TO INSTALLATION.
3. ALL DIMENSIONS ARE APPROXIMATE DIMENSIONS.
4. ITEMS 5, 8, 9A, 9B, 9C, 16, 18, 36 AND 37 MAY BE MADE FROM MORE THAN ONE PIECE. THE ENDS OF PIECES DO NOT NEED TO BE WELDED TOGETHER BUT THEY MUST BE FLUSH WITH EACH OTHER WHEN INSTALLED.
5. MUST BE TYPE 304, 304LN, 316, OR 316LN WITH TENSILE STRENGTH>75ksi, YIELD STRENGTH>30ksi, AND CHEMICALS PER ASTM A554.



(BM-2898) BILL OF MATERIALS FOR 24-ASSEMBLY HI-STAR 100 PWR MPC-24E (SHEET 1).

REF. DWG. 2889 TO 2892, 1395 SHT 3 & 1396 SHT 1 TO SHT 5

REV. NO.	PREP. BY & DATE	CHECKED BY & DATE	PROJ. MANAGER & DATE	QA. MANAGER & DATE
1	J.D.A. 8-16-2000 INCORPORATED CHANGES	E. Rosenbaum E. Rosenbaum 8/24/2000	Brian Guterman Brian Guterman 8/24/00	M. H. H. H. 8/24/00
ITEM NO.	QTY.	MATERIAL	DESCRIPTION	NOMENCLATURE
1A	2	ALLOY "X" SEE NOTE 1.	PLATE 5/16" THK. X 64.543" REF W. X 176 1/2" LG	BASKET CELL PLATE
1B	4		PLATE 5/16" THK X 23.165" REF W. X 176 1/2" LG.	BASKET CELL PLATE
1C	2		PLATE 5/16" THK X 45.995" REF W. X 176 1/2" LG.	BASKET CELL PLATE
1D	4		5/16 ANGLE X 10.847 X 10.847 X 176 1/2" LG	BASKET CELL ANGLE
1E	4		PLATE 5/16" THK X 9.5" REF W. X 176 1/2" LG.	BASKET CELL PLATE
1F	16		PLATE 5/16" THK X 10.535" REF W. X 176 1/2" LG.	BASKET CELL PLATE
2	24	▽	PIPE 3"-SCH 80 LGTH AS REQD.	UPPER FUEL SPACER PIPE
3A (3B)	72(24)	BORAL	.101" THK. X 7.5" W. (6 1/4") X 156" LG. PER DET. DWG. 1395 SHT 3. SEE NOTE 2	NEUTRON ABSORBER
4A (4B)	72(24)	ALLOY "X" SEE NOTE 1.	.06" THK. SHEATHING PER DET. DWG. 1395.	SHEATHING
5A	4		PLATE 5/16" THK X 3" W. X 176 1/2" LG.	BASKET CELL PLATE
5B	8		PLATE 2" REF WIDE X 168" LG X THICKNESS AS REQD	BASKET SUPPORT
5C	4		PLATE 3" REF W. X 168" LG. X THICKNESS AS REQD	BASKET SUPPORT
5D	4		PLATE 5/16" THK X 1.472" APPROX W. X 176 1/2" LG.	BASKET CELL PLATE
6	1		1/2" THK X 68 3/8" O.D. X 187 5/8" LG. CYLINDER. (MPC-24; MPC-24E) 1/2" THK X 68 3/8" O.D. X 176" LG. CYLINDER. (MPC-24EF)	SHELL
7	1		BASEPLATE 2 1/2" THK X 68 3/8" O.D.	BASEPLATE
8A	12		5/16" THK. ANGLE X 176 1/2" LG. FROM PLATE PER DET. DWG. 1395 SHT 3	BASKET CELL ANGLE
8B	8		5/16" THK. CHANNEL X 176 1/2" LG. FROM PLATE PER DET. DWG. 1395 SHT 3.	BASKET CELL CHANNEL
8C	4		5/16" THK. ANGLE X 176 1/2" LG. FROM PLATE PER DET. DWG. 1395 SHT 3	BASKET CELL CHANNEL
9	4		PLATE 1.25" APP. THK. X 2" W. X 168" LG.	BASKET SUPPORT
10	4	▽	PLATE 3/4" THK. X 3 1/2" WIDE X 8 3/4" LG.	LIFT LUG

(BM2899) BILL OF MATERIALS FOR 24-ASSEMBLY HI-STAR 100 PWR MPC-24E.(SHEET 2)

REF. DWG. 2889 TO 2892,1395 SHT 3 & 1396 SHT 1 TO SHT 5.

REV.NO.	PREP. BY & DATE	CHECKED BY & DATE	PROJ. MANAGER & DATE	QA. MANAGER & DATE
2	K.L. 6-28-01 INCORPORATED ECO 1022-20	S.P.A. 6-28-01	B.G.U. 6-28-01	VJR/ 736608
ITEM NO.	QTY.	MATERIAL	DESCRIPTION	NOMENCLATURE
11	4	ALLOY *X* SEE NOTE 1.	PLATE 3/4" THK. X 4" WIDE X 3" LG.	LIFT LUG BASEPLATE
12	1	ALLOY *X* SEE NOTE 1.	BAR 3.75" OD. X 5 7/8" LG.	DRAIN SHIELD BLOCK
13A	2	304 S/S	BAR 2 11/16" OD X 6.75" LG, DIMENSIONS AS SHOWN ON DWG 1396 SH 4	VENT AND DRAIN TUBE
13B	2	304 S/S	BAR 2 1/4 OD X 2 1/4 LG, DIMENSIONS AS SHOWN ON DWG 1396 SH 4	VENT AND DRAIN TUBE CAP
14	1	ALLOY *X* SEE NOTE 1.	9 1/2" THK. X 67 1/4" O.D.	MPC LID
15	1	▽	RING 3/8" THK. X 53 1/4" ID. X 67 5/8" O.D.	MPC CLOSURE RING
16	1	S/S	2 1/2" SCH 10S PIPE, 158" LG WITH FUNNEL.	DRAIN GUIDE TUBE
17	1	ALLOY *X* SEE NOTE 1.	1" THK. X 68-3/8 O.D. X 11 5/8" LG. CYLINDER (MPC-24EF)	SHELL
18	AS REQD	ALLOY *X* SEE NOTE 1.	AS REQUIRED	BASKET SUPPORT
19	2	ALLOY *X* SEE NOTE 1.	PLATE 3/8" THK. X 3 7/8" OD.	PORT COVER PLATE
20	AS REQD	A-193-BB OR SIMILAR	3/4"-TOUNC X 1 1/4" LG. HEX BOLT WITH FULL THRD.	UPPER FUEL SPACER BOLT
21	AS REQD	ALLOY *X* SEE NOTE 1.	3/4" X 2" X THICKNESS AS REQUIRED	LIFT LUG SHIM
22	---	---	DELETED	---
23	4	A-193-BB OR SIMILAR	1 3/4"-SUNC X 2 3/4" LG SOCKET SET SCREW	LID LIFT HOLE PLUG
24	AS REQD	ALLOY *X* SEE NOTE 1.	PLATE 3/4" THK X 5" OD.	UPPER FUEL SPACER END PLATE
25	1 SET	ALLOY *X* SEE NOTE 1.	LENGTH, WIDTH AND THICKNESS OF SHIMS AS REQUIRED.	LID SHIM
26	1	S/S	COUPLING	COUPLING
27	AS REQD	ALLOY *X* SEE NOTE 1.	3/4" X 5" DIAM.	UPPER FUEL SPACER END PLATE
28	1	ALLOY *X* SEE NOTE 1.	BAR 3.75" OD. X 5.5" LG.	VENT QUICK DISCONN. CPLG.
29	4	ALLOY *X* SEE NOTE 1.	BAR 3/4" OD. X 1/2" LG.	VENT SHIELD BLOCK SPACER
30	1	ALLOY *X* SEE NOTE 1.	2"-SCH 10 PIPE X 173 1/2" APPROX. LG.	DRAIN LINE
31	--	-----	DELETED	-----
32	AS REQD		6" SQ. TUBING X 1/4" WALL LENGTH AS REQ'D.	LOWER FUEL SPACER COLUMN
33A	AS REQD		PLATE 3/8" THK X 8.5" SQ.	LOWER FUEL SPACER END PLATE
33B	AS REQD	▽	PLATE 3/8" THK X 8.5" SQ.	LOWER FUEL SPACER END PLATE
34	---	-----	DELETED	-----
35	AS REQ'D.	ALUM. ALLOY 1100 & S/S	1/8" THICK X 176 1/2" LG. ALUM. SHEET (153" LG (APP.) AT DRAIN PIPE LOCATION) WITH S/S SPRINGS	HEAT CONDUCTION ELEMENTS
36	2	ALUMINUM	0.065" THK 1.494 OD, 0.250" HOLE	SEAL WASHER
37	2	S/S	1/4" DIA X 3/8" LG	SEAL WASHER BOLT
38	2	ALLOY *X* SEE NOTE 1.	1/8" X 10 1/2" X 9 1/2" SHEET	DRAINLINE
39	8	ALLOY *X* SEE NOTE 1.	1/8" X 4" X 4 1/2" APPROX SHEET	DRAINLINE
40	1	ALLOY *X* SEE NOTE 1.	2.722" SQ APPROX X 176 1/2" LG	CENTER COLUMN

NOTES: (FOR SHEET 1 & 2) THE ALLOY TO BE USED SHALL BE SPECIFIED BY THE LICENSEE.

1. ALLOY X IS ANY OF THE FOLLOWING ACCEPTABLE STAINLESS STEEL ALLOYS: ASME TYPE 316, 316LN, 304, 304LN.

2. MINIMUM BORAL B-10 LOADING IS 0.0372 g/cm². BORAL TO BE PASSIVATED PRIOR TO INSTALLATION.

3. ALL DIMENSIONS ARE APPROXIMATE DIMENSIONS.

4. ITEMS 36, 37, 39, 40, AND 35 MAY BE MADE FROM MORE THAN ONE PIECE. THE ENDS OF PIECES DO NOT NEED TO BE WELDED TOGETHER BUT THEY MUST BE FLUSH WITH EACH OTHER WHEN INSTALLED.



FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

REVISION	
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HOLTEC	ANALYSIS
INTERNATIONAL	CONSULTING
DESCRIPTION	
HI-STAR 100 MPE-32 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1393	REV. 11
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1392 SHT 1 OF 4 (E.I.D. 2840)

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FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

BY: BY:	
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HOLTEC INTERNATIONAL	ANALYSIS CONSULTING
DESCRIPTION	
HI-STAR 100 MPC-32 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1393	REV. 10
PROJECT No. 5014	DRAWING No. 1392 SHT 2 OF 4
P.O. No. N/A	(E.I.D. 2841)

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INTERNATIONAL	CONSULTING
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HI-STAR 100 MPC-32 CONSTRUCTION	
CLIENT	N/A
COMPANION DRAWINGS	REV.
1393	10
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1392 SHT 3 OF 4 (E.I.D. 2842)

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HI-STAR 100 MPC-32 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1393	REV. 9
PROJECT No. 5014	DRAWING No. 1392 SHT 4 OF 4
P.O. No. N/A	(E.I.D. 2843)

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CLIENT N/A	
COMPANION DRAWINGS 1392	REV. 11
PROJECT No. 5014 P.O. No. N/A	DRAWING No. 1393 SHT 1 OF 6 (E.I.D. 2844)

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DESCRIPTION	
HI-STAR 100 MPE-32 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1392	REV. 10
PROJECT No. 5014 P.O. No. N/A	DRAWING No. 1393 SHT 2 OF 6 (E.I.D. 2845)

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INTERNATIONAL	CONSULTING
DESCRIPTION	
HI-STAR 100 MPC-32 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1392	REV. 10
PROJECT No. 5014	DRAWING No. 1393 SHT 3 OF 6
P.O. No. N/A	(E.I.D. 2848)

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COMPANION DRAWINGS 1392	REV. 9
PROJECT No. 5014	DRAWING No. 1393 SHT 4 OF 6 (E.I.D. 2847)
P.O. No. N/A	

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INTERNATIONAL	CONSULTING
DESCRIPTION	
HI-STAR 100 MPC-32 CONSTRUCTION	
CLIENT	N/A
COMPANION DRAWINGS 1392	REV. 8
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1393 SBT 5 OF 6 EID #3095

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DESCRIPTION HI-STAR 100 MPC-32 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1392	REV. 8
PROJECT No. 5014 P.O. No. N/A	DRAWING No. 1393 SHT 8 OF 6 (E.I.D. 2848)

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INTERNATIONAL	CONSULTING
DESCRIPTION	
HI-STAR 100 MPC-24 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1396	REV. 13
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1395 SHT 1 OF 4 (E-I-D. 2853)

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HI-STAR 100 MPC-24 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS	REV.
1396	10
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1395 SHT 2 OF 4

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INTERNATIONAL	CONSULTING
DESCRIPTION	
HI-STAR 100 MPC-24 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1396, 2889 TO 2892	REV. 11
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1395 SHT 3 OF 4 (E.L.D. 2893)

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DESCRIPTION	
HI-STAR 100 MPC-24 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1396	REV. 9
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1395 SHT 4 OF 4

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

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INTERNATIONAL	CONSULTING
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HI-STAR 100 MPC-24 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1395, 2889 TO 2892	REV. 15
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1396 SHT 1 OF 6 (E-I.D. 2894)

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INTERNATIONAL	CONSULTING
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HI-STAR 100 MPC-24 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS	REV.
1395, 2889 TO 2892	13
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1396 SHT 2 OF 6 (E.I.D. 2881)

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HOLTEC	ANALYSIS
INTERNATIONAL	CONSULTING
DESCRIPTION	
HI-STAR 100 MPC-24 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1395, 2889 TO 2892	REV. 12
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1396 SHT 3 OF 6 (E.I.D. 2895)

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DESCRIPTION	
HI-STAR 100 MPC-24 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1395, 2889 TO 2892	REV. 10
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1396 SHT 4 OF 6 (E.I.D. 2896)

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HOLTEC	ANALYSIS
INTERNATIONAL	CONSULTING
DESCRIPTION	
HI-STAR 100 MPC-24 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1395, 2889 TO 2892	REV. 9
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1396 SHT 5 OF 8 (E.I.D. 2897)

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

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HOLTEC INTERNATIONAL	ANALYSIS CONSULTING
DESCRIPTION HI-STAR 100 MPC-24 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1395	REV. 8
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1396 SHT 6 OF 6

A

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

BY:		BY:	
REVISION			
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HOLTEC INTERNATIONAL		EQUIPMENT DESIGN ANALYSIS CONSULTING	
DESCRIPTION			
HI-STAR 100 MPC-68 CONSTRUCTION			
CLIENT N/A			
COMPANION DRAWINGS 1402			REV. 15
PROJECT No. 5014		DRAWING No.	
P.O. No. N/A		1401 SHT 1 OF 4 (E.I.D. 2859)	

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FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

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HOLTEC	ANALYSIS
INTERNATIONAL	CONSULTING
DESCRIPTION	
HI-STAR 100 MPC-68 CONSTRUCTION	
CLIENT	N/A
COMPANION DRAWINGS 1402	REV. 9
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1401 SH2 2 OF 4

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FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

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DESCRIPTION	
HI-STAR 100 MPC-68 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1402	REV. 10
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1401 SHT 3 OF 4

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

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HOLTEC INTERNATIONAL	ANALYSIS CONSULTING
DESCRIPTION HI-STAR 100 MPC-68 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1402	REV. 9
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1401 SHT 4 OF 4

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

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HOLTEC	ANALYSIS
INTERNATIONAL	CONSULTING
DESCRIPTION	
HI-STAR 100 MPC-68 CONSTRUCTION	
CLIENT	N/A
COMPANION DRAWINGS 1401	REV. 15
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1402 SHT 1 OF 6 (E.I.D. 3084)

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

BY:		BY:	
REVISION			
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INTERNATIONAL		ANALYSIS	
		CONSULTING	
DESCRIPTION			
HI-STAR 100 MPC-68 CONSTRUCTION			
CLIENT N/A			
COMPANION DRAWINGS			REV.
1401			14
PROJECT No. 5014		DRAWING No.	
P.O. No. N/A		1402 SHT 2 OF 6	
(E.I.D. 2882)			

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

REVISION	
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HOLTEC	ANALYSIS
INTERNATIONAL	CONSULTING
DESCRIPTION	
HI-STAR 100 MPC-68 CONSTRUCTION	
CLIENT	N/A
COMPANION DRAWINGS 1401	REV. 13
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1402 SHT 3 OF 6 (E.F.D. 3085)

A

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

REVISION	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	EQUIPMENT DESIGN
HOLTEC INTERNATIONAL	ANALYSIS CONSULTING
DESCRIPTION	
HI-STAR 100 MPC-68 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS 1401	REV. II
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1402 <small>SHT 4 OF 6 EID #3098</small>

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

REVISION	
<input type="checkbox"/>	EQUIPMENT DESIGN
<input type="checkbox"/>	ANALYSIS
<input type="checkbox"/>	CONSULTING
<input type="checkbox"/>	
<input type="checkbox"/>	
HOLTEC INTERNATIONAL	
DESCRIPTION	
HI-STAR 100 MPC-68 CONSTRUCTION	
CLIENT N/A	
COMPANION DRAWINGS	REV.
1401	10
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1402
	SHT 5 OF 6 EID #3097

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FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

REVISION	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	EQUIPMENT DESIGN
HOLTEC	ANALYSIS
INTERNATIONAL	CONSULTING
DESCRIPTION	
HI-STAR 100 MPC-68 CONSTRUCTION	
CLIENT	N/A
COMPANION DRAWINGS 1401	REV. 10
PROJECT No. 5014	DRAWING No.
P.O. No. N/A	1402 SHY 6 OF 6 (E.I.D. 2860)

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FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

NO. 27-2000	0	FOR APPROVAL	DATE 3-27-2000	<i>CPH</i>	<i>CPH</i>	<i>CPH</i>	<i>CPH</i>
DATE	REV.	DESCRIPTION	PREP. BY:	CHECKED BY:	P. N.	Q. A.	
REVISION							
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				EQUIPMENT DESIGN			
HOLTEC				ANALYSIS			
INTERNATIONAL				CONSULTING			
DESCRIPTION							
HI-STAR 100 MPC-24E CONSTRUCTION (1)							
CLIENT N/A							
COMPANION DRAWINGS 2890 TO 2892, 1395 SHT 3, 1396 SHT 1 TO SHT 5						REV. 0	
PROJECT No. 5014				DRAWING No.			
P.O. No. N/A				2889			

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FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

NO.	DATE	DESCRIPTION	BY:	BY:	DATE	DATE
REVISION						
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				EQUIPMENT DESIGN		
HOLTEC				ANALYSIS		
INTERNATIONAL				CONSULTING		
DESCRIPTION						
HI-STAR 100 MPC-24E CONSTRUCTION (2)						
CLIENT N/A						
COMPANION DRAWINGS						REV.
2889, 2891, 2892, 1395 SHT 3, 1396 SHT 1 TO SHT 5						2
PROJECT No. 5014				DRAWING No.		
P.O. No. N/A				2890		

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FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

NO. 27-2008	0	ISSUED FOR APPROVAL	S. USE 3-27-08	<i>R. Handley</i>	<i>4/11/08</i>
REVISION					
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			EQUIPMENT DESIGN		
HOLTEC			ANALYSIS		
INTERNATIONAL			CONSULTING		
DESCRIPTION					
HI-STAR 100 MPC-24E CONSTRUCTION (3)					
CLIENT N/A					
COMPANION DRAWINGS					REV.
2889, 2890, 2892, 1335 SHT 3, 1336 SHT 1 TO SHT 5					0
PROJECT No. 5014			DRAWING No.		
P.O. No. N/A			2891		

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

NO. 7-200	0	ISSUED FOR APPROVAL	DATE 7-27-2000	BY: [Signature]	DATE 7-27-2000	BY: [Signature]	DATE 7-27-2000	BY: [Signature]
DATE	REV.	DESCRIPTION	PREP. BY:	CHECKED BY:	P.N.	Q. A.		
REVISION								
		EQUIPMENT DESIGN						
		ANALYSIS						
		CONSULTING						
DESCRIPTION								
HI-STAR 100 NPC-24E CONSTRUCTION (4)								
CLIENT N/A								
COMPANION DRAWINGS						REV.		
2889 TO 2891, 1395 SHT 3, 1396 SHT 1 TO SHT 5						0		
PROJECT No. 5014				DRAWING No.				
P.O. No. N/A				2892				

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FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

		EQUIPMENT DESIGN ANALYSIS CONSULTING
DESCRIPTION LUG AND ANCHORING DETAIL FOR HI-STORM 100A		
CLIENT GENERAL		
COMPANION DRAWINGS N/A		
PROJECT No. 5014	DRAWING No. 3187	REV. 1

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

THIS COVER SHEET MUST BE MAINTAINED WITH THE LATEST REVISIONS OF THE DRAWINGS IDENTIFIED HEREIN.			
 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON, NJ 08053	CLIENT	GENERAL	
	DESCRIPTION	HI-STORM 100S ASSEMBLY	
PROJECT NO.	DRAWING NO.	SHEET	TOTAL SHEETS
1024	3669	1	11
P.O. NO.	FILE PATH		
N/A	F:\DRAWINGS\1024\3669\3669		

A

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE DRAWING PACKAGE COVER SHEET WHICH CONTAINS THE APPROPRIATE REVIEWS AND APPROVALS

 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON, NJ 08053	CLIENT	GENERAL		
	DESCRIPTION	HI-STORM 100S ASSEMBLY AND BOM		
COMPANION DRAWINGS 3443	SIZE D	DRAWING NO. 3669	SHEET 2	REV 0
SCALE 1:20		FILE PATH F:\DRAWINGS\110243443R2\3669		

2 1 1 A

**FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED
INFORMATION**

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE DRAWING PACKAGE COVER SHEET WHICH CONTAINS THE APPROPRIATE REVIEWS AND APPROVALS			
 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON, NJ 08053	CLIENT GENERAL		
	DESCRIPTION HI-STORM 100S ASSEMBLY		
COMPANY DRAWINGS 3443	SIZE D	DRAWING NO. 3669	SHEET 3
	SCALE 1:10	FILE PATH F:\DRAWINGS\102-4343R2\3669	REV 0

A

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE DRAWING PACKAGE COVER SHEET WHICH CONTAINS THE APPROPRIATE REVIEWS AND APPROVALS			
 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON, NJ 08053	CLIENT	GENERAL	
	DESCRIPTION	HI-STORM 100S OVERPACK BODY ASSEMBLY SUB-COMPONENT A	
COMPANION DRAWINGS	SIZE D	DRAWING NO. 3669	SHEET NO. 4 0
	SCALE 1:16	FILE PATH F:\DRAWINGS\1024\3669\3669	

2 | 1

A

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE DRAWING PACKAGE COVER SHEET WHICH CONTAINS THE APPROPRIATE REVIEWS AND APPROVALS			
 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON, NJ 08053	CLIENT	GENERAL	
	DESCRIPTION	HI-STORM 100S OVERPACK BODY INNER SHELL PART DETAILS	
COMPANION DRAWINGS	SIZE D	DRAWING NO. 3669	SHEET 5
	SCALE 1:16	FILE PATH	REV 0

A

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE DRAWING PACKAGE COVER SHEET WHICH CONTAINS THE APPROPRIATE REVIEWS AND APPROVALS			
 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON, NJ 08053	CLIENT	GENERAL	
	DESCRIPTION	HI-STORM 100S OVERPACK BODY ASSEMBLY SUB-COMPONENT A	
COMPANION DRAWINGS:	SIZE D	DRAWING NO 3669	SHEET 6
	SCALE 1:16	FILE PATH F:\DRAWINGS\1024544\3R2\3669	REV 0

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE DRAWING PACKAGE COVER SHEET WHICH CONTAINS THE APPROPRIATE REVIEWS AND APPROVALS			
 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON, NJ 08053	CLIENT	GENERAL	
	DESCRIPTION	HI-STORM 100S PEDESTAL ASSEMBLY SUB-COMPONENT B	
COMPANION DRAWINGS	SIZE	DRAWING NO.	SHEET
-	D	3669	7
	SCALE	1:8	REV
			0
		FILE PATH	F:\DRAWINGS\10243443R2\3669

A

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE DRAWING PACKAGE COVER SHEET WHICH CONTAINS THE APPROPRIATE REVIEWS AND APPROVALS			
 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON, NJ 08053	CLIENT	GENERAL	
	DESCRIPTION	HI-STORM 100S LID ASSEMBLY SUB-COMPONENT C	
COMPANION DRAWINGS:	SIZE	DRAWING NO.	SHEET
	D	3669	8
	SCALE	1:16	REV
			0
	FILE PATH	F:\DRAWINGS\1102413413R2\3669	

A

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE DRAWING PACKAGE COVER SHEET WHICH CONTAINS THE APPROPRIATE REVIEWS AND APPROVALS				
 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON, NJ 08053	CLIENT	GENERAL		
	DESCRIPTION	HI-STORM 100S LID STUD AND NUT SUB-COMPONENTS D & E		
COMPANION DRAWINGS:	SIZE	DRAWINGS NO.	SHEET	REV
-	D	3669	9	0
	SCALE	1:2	FILE PATH	F:\DRAWINGS\10245443\2069

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE DRAWING PACKAGE COVER SHEET WHICH CONTAINS THE APPROPRIATE REVIEWS AND APPROVALS			
 HOLTEC INTERNATIONAL HOLTEC CENTER 355 LINCOLN CENTER MARLTON, NJ 08053	D WIT GENERAL		
	DESCRIPTION HI-STORM 100S VENT SCREEN ASSEMBLIES SUB-COMPONENTS F & G		
COMPANION DRAWINGS	SIZE D	DRAWING NO. 3669	SHEET 10
	SCALE 1:2	FILE PATH F:\DRAWINGS\102413443\R2\3669	REV 0

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE DRAWING PACKAGE COVER SHEET WHICH CONTAINS THE APPROPRIATE REVIEWS AND APPROVALS			
 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON, NJ 08053	CLIENT	GENERAL	
	DESCRIPTION	HI-STORM 100S GAMMA SHIELDING CROSS PLATES	
COMPANION DRAWINGS:	SIZE	DRAWING NO.	SHEET / REV
	D	3669	11 / 0
	SCALE	FILE PATH	
	1:2	F:\DRAWINGS\10240443R2\0009	

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