

| Weld Procedure Index | | | | | | | |
|----------------------|-----|---------|------|----------|------------------------|---|-----------------|
| | | | ASME | Military | NACE | Specification type & grade | EFI Designation |
| WPS | Rev | Process | | | | | |
| WP 100.1 | 3 | SMAW | X | | | WCA, WCB, WCC | 145,149,152 |
| WP 100.1.1 | 1 | SMAW | X | | | WCA, WCB, WCC (minor repairs no PWHT) | 145,149,152 |
| WP 100.2 | 1 | SMAW | | X | | MIL-C-24707/1, WCA, WCB, WCC | 145,149,152 |
| WP 100.2 | 2 | SMAW | | X | | MIL-C-24707/1, WCA, WCB, WCC { Newport News Only} | 145,149,152 |
| WP 100.2 | 3 | SMAW | | X | | MIL-C-24707/1, WCA, WCB, WCC { Newport News Only} | 145,149,152 |
| WP 100.3 | | SMAW | X | | X | WCA, WCB, WCC + CVN ASME Section III | 145,149,152 |
| WP100.4 | | SMAW | PED | | | WCA, WCB, WCC | 145,149,152 |
| WP100.4 fsr | 1 | SMAW | X | | | WCA, WCB, WCC- Section III for F/S Raleigh Spec 01024 | 145,149,152 |
| WP 100T | 1 | GTAW | X | | | WCA, WCB, WCC | 145,149,152 |
| WP100.4.1 | | FCAW | PED | | | WCA, WCB, WCC | 145,149,152 |
| WP 101.1 | 3 | FCAW | X | | | WCA, WCB, WCC, *** ASME only Curtiss-Wright/Target Rock | 145,149,152 |
| WP 101.2 | | FCAW | X | | X | WCA, WCB, WCC + CVN ASME Section III | 145,149,152 |
| WP 101.1.1 | 1 | FCAW | X | | | WCA, WCB, WCC (minor repairs no PWHT) | 145,149,152 |
| WP 101.4 fsr | | FCAW | X | | | WCA, WCB, WCC- Section III for F/S Raleigh Spec 01024 | 247 |
| WP 102 | 2 | SMAW | X | | | WC1 | 336 |
| WP 103.1 | | SMAW | X | | | WC6, Elliott MS244 | 336 |
| WP 103.2 | | FCAW | X | | | WC6, Elliott MS244 | 336 |
| WP 103T1 | 0 | GTAW | | XX | | WC6 | 336 |
| WP 103T2 | 0 | GTAW | X | | | WC6 | 333 |
| WP 104 | 2 | SMAW | X | | | WC9 | 333 |
| WP 104.1 | | FCAW | X | | | WC9 | 333 |
| WP 104FSR | 1 | SMAW | X | | | WC9 Flowserve Raleigh 02424 | 415 |
| WP 105 | 1 | SMAW | X | XX | | 90-60; A487, Gr. 4A | 415 |
| WP 106 | 0 | SMAW | X | X ** | | A487, Gr. 4A ** Newport News only | 415 |
| WP 106.1 | | SMAW | | XX | | A487, Gr. 4A | 415 |
| WP 106T-Mil | 0 | GTAW | | X | | 90-60; A487, Gr. 4A | 415 |
| WP 106T2 | 0 | GTAW | X | | | 90-60; A487, Gr. 4A | 415 |
| WP 107 | 0 | SMAW | X | XX | | 105-85; A487, Gr. 4B ; 8630 | 415 |
| WP 108 | 0 | SMAW | X | | | 80-50 | 338 |
| WP 109 | 0 | SMAW | X | | | C 5 | 545 |
| WP 110 | 0 | SMAW | X | | Also, EN-15614-1 (PED) | C12A ** Must be used for Tyco | 148 |
| WP 111 | 0 | SMAW | X | | | A352 Gr. LCA, LCB,LCC | |

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|-------------|----|------|---|------------------------|---|---|--------------------------|
| WP111.1 | 1 | FCAW | X | | | A352 Gr. LCA, LCB,LCC | 148 |
| WP111.2 | 0 | SMAW | X | Also, EN-15614-1 (PED) | | A352 Gr. LCA, LCB,LCC | 148 |
| WP 112 | 0 | SMAW | 0 | | | A352 Gr. LC3 | 251 |
| WP 113 | 0 | SMAW | X | | | ASTM A148 Gr. 120-95 | 415 |
| WP 113.1 | 0 | FCAW | X | | | ASTM A148 Gr. 120-95 | 415 |
| | | | | | | | |
| WP 115 | 0 | SMAW | X | | | ASTM A352 Gr.LC2 | 147 |
| WP116 | 0 | SMAW | X | | | ASTM A757 A1Q & A2Q | 145 |
| WP116-Mil | 0 | SMAW | | X | | ASTM A757 A1Q & A2Q IAW Mil-C24707/1 | 145 |
| WP 200 | 3 | SMAW | X | | | CA15 | 500 |
| WP 200T-Mil | 0 | GTAW | | X | | CA15 | 500 |
| WP200T2 | 0 | GTAW | X | | | CA15 | 500 |
| WP 200.1 | 0 | SMAW | | XX | | CA15 | 500 |
| WP 200.2 | 0 | FCAW | X | | | CA15 | 500 |
| WP 200.3 | | SMAW | X | | | IR 638 | 500 |
| WP 200.3.1 | | FCAW | X | | | IR 638 | 518 |
| WP 201 | 0 | SMAW | X | | | CA40 Annealed | 502 |
| WP 202 | 10 | SMAW | X | | X | CA6NM, CL A | 502 |
| WP 202.1 | | SMAW | | X | | CA6NM, CI A | 502 |
| WP202.2 | | SMAW | X | | | CA6NM CIB : Section III. NC2300 CVN 1 1/2"- 2 1/2" pipe wall @ 35° | 502 |
| WP202.3 | 4 | SMAW | X | | | CA6NM CIA : Section III. NC2300 CVN 5/8 "- 1 1/2" pipe wall @ 35° | 502 |
| WP202.4 | 4 | SMAW | X | | | CA6NM CIA : Section III. NC2300 CVN 1 1/2"- 2 1/2" pipe wall @ 35° | 502 |
| WP202.5 | | GMAW | X | | | CA6NM CIA : Section III. NC2300 CVN 5/8"- 2 1/2" pipe wall @ 35° | 502 |
| WP 202T1 | | GTAW | | XX | | CA6NM | 502 |
| WP 202T2 | 2 | GTAW | X | | | CA6NM CL A | 504 |
| WP 203 | 2 | SMAW | X | | | CB7CU-1; 17-4PH- condition all | 504 |
| WP 203T2 | | GTAW | X | | | CB7CU-1; 17-4PH- condition H1100 | 504 |
| WP 204 | 2 | SMAW | | X | | CB7CU-1; 17-4PH- condition 1100 (approved for condtion 900 Curtiss-Wright) | 502 |
| WP 205 | 4 | FCAW | X | | X | CA6NM, CLA | 502 |
| WP 206 | 1 | SMAW | X | | | CA6NM, CLB | 502 |
| WP 206.1 | 1 | FCAW | X | | | CA6NM, CI B | 502 |
| WP 206T | 0 | GTAW | X | | | CA6NM, CI B | 502 |
| WP 207 | 0 | SMAW | X | | X | CA6NM, CL B | 502 |
| WP 207.1 | 0 | FCAW | X | | X | CA6NM, CL B | 502 |
| WP 300T1 | 0 | GTAW | | XX | | CF8, CF3,CF3M,CF8M, CF8C, CG8M | 530,526,528,532, 540,536 |

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| WP300T2 | 0 | GTAW | X | | | CF8, CF3,CF3M,CF8M, CF8C, CG8M | 530,526,528,532, 540,536 |
| WP 300 | 1 | SMAW | X | | | CF3, CF8, CF3M, CF8M, CG-8M, CG3M | 530,526,528,532, 540,536 |
| WP 301 | 4 | SMAW | X | | | CF8, CF3,CF3M,CF8M, CF8C, CG8M | 530,526,528,532, 540,536 |
| WP 301 | 5 * | SMAW | | X | | CF8, CF3,CF3M,CF8M, CF8C (* Must designate any subsequent revisions as 5A,B ,etc for this procedure in NAVWELD . Approved NNS | 530,526,528,532, 540 |
| WP301-Mil | 0 | SMAW | | X | | CF8, CF3,CF3M,CF8M, CF8C .Approved Electric Boat | 530,526,528,532, 540 |
| WP301-Mil PW | 0 | SMAW | | X | | CF8, CF3,CF3M,CF8M, CF8C .Approved Electric Boat | 530,526,528,532, 540 |
| WP 301PW316 fsr | 1 | SMAW | X | | | CF3M, CF8M for Flowserve Raleigh w/ PWHT | 528,532 |
| WP 301.316FSR | 1 | SMAW | X | | | CF3M, CF8M for Flowserve Raleigh | 528,532 |
| WP 301 PW | 0 | SMAW | X | | | CF8, CF3,CF3M,CF8M, CF8C, CG8M w/ PWHT | 530,526,528,532, 540,536 |
| WP 301.1 | 1 | SMAW | | XX | | CF8, CF3,CF3M,CF8M, CF8C, CG8M | 530,526,528,532, 540,536 |
| WP 301.2 PED | 1 | SMAW | X | | PED-EN15614 | CF8, CF3,CF3M,CF8M, CF8C, CG8M | 530,526,528,532, 540,536 |
| WP 302 | 1 | FCAW | X | | X | CF3, CF8, CF3M, CF8M, CF8C, CG8M | 530,526,528,532, 540,536 |
| WP 302 PW | 0 | FCAW | X | | | CF3, CF8, CF3M, CF8M, CF8C, CG8M w/PWHT | 530,526,528,532, 540,536 |
| WP 303 | 2 | SMAW | X | | | CN7M | 524 |
| WP 303.1 | 0 | SMAW | | X | | CN7M, CN7MS | 524 |
| WP 303.2T-PED | 0 | GTAW | X | | PED-EN15614 | CN7M | 524 |
| WP 303.3 PED | 0 | SMAW | X | | PED-EN15614 | CN7M | 524 |
| WP 303.4 PED | 0 | FCAW | X | | PED-EN15614 | CN7M | 524 |
| WP 304T | 0 | GTAW | X | | | CF10SMNN | 910 |
| WP 305 | 0 | SMAW | X | | X | CK3MCuN , 254 SMO | 578, 574 |
| WP 400 | 1 | SMAW | X | X | | M35-1, M30C | 600, 604 |
| WP 400-1 | 0 | GMAW | X | | | M35-1, M30C | 600, 604 |
| WP 400 F.S.C-034 | 0 | SMAW | X | | | Cookeville code M351-034 | 600 |
| WP 400-PED | 0 | SMAW | X | | PED-EN15614 | M 30C ; Comp E (Monel) | 600, 604 |
| WP 400T1 | 0 | GTAW | | X | | M 30C ; Comp E (Monel) | 600, 604 |
| WP 400T-PED | 0 | GTAW | X | | PED-EN15614 | M 30C ; Comp E (Monel) | 600, 604 |
| WP 400T2 | 0 | GTAW | X | | | M 30C ; Comp E (Monel) | 600, 604 |
| WP 401 | 1 | SMAW | X | | | CW2M, CW6M, CW12MW | 654,650, 651 |
| WP 402 | 0 | SMAW | X | | | CY40 | 633 |
| WP 403 | 0 | SMAW | X | | | CZ 100 | 658 |
| WP 403 T | 0 | GTAW | X | | | CZ 100 | 658 |
| WP 404 | 0 | SMAW | X | | | N3M, N7M | 662,656 |
| WP 404T | 0 | GTAW | X | | | N3M, N7M | 662,656 |
| WP405 | 0 | SMAW | X | | | CX2MW | 657 |

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|--------------|---|------|-----|-------------|---|---|-----------|
| WP405T | 1 | GTAW | X | | | CX2MW | 657 |
| WP 406 | 0 | SMAW | X | | | Cu5MCuN (Inconel 825) | 615 |
| WP 407 | 0 | SMAW | X | | | CW6MC | 625 |
| WP 500 | 1 | SMAW | X | | X | CD4MCu; CD4MCuN; A 890, Gr. 1A & 1B; A995, Gr. 1A & 1B | 512 |
| WP500.1 | 0 | FCAW | X | | X | CD4MCu; CD4MCuN; A 890, Gr. 1A & 1B; A995, Gr. 1A & 1B | 512 |
| WP 500-PED | 0 | SMAW | X | PED-EN15614 | | CD4MCu; CD4MCuN; A 890, Gr. 1A & 1B; A995, Gr. 1A & 1B | 512 |
| WP 500T-PED | 0 | GTAW | X | PED-EN15614 | | CD4MCu; CD4MCuN; A 890, Gr. 1A & 1B; A995, Gr. 1A & 1B | 512 |
| WP 501 | 1 | SMAW | X | | X | CD6MN ; A 890, Gr. 3A ; A995, Gr. 3A | 508 |
| WP 502 | 2 | SMAW | X | | X | CE3MN ; A 890, Gr.5A ; A995, Gr. 5A | 511 |
| WP 502A | | SMAW | X | | X | CE3MN ; A 890, Gr.5A ; A995, Gr. 5A w/ charpy | 511 |
| WP 502A.1 | | FCAW | X | | X | CE3MN ; A 890, Gr.5A ; A995, Gr. 5A w/ charpy | 511 |
| WP 502B | | SMAW | X | | | CE3MN ; A 890, Gr.5A ; A995, Gr. 5A w/ charpy, Shell Oil Upstream Americas, Rev. 02A, Flowserve Taneytown | 511 |
| WP 502C | | FCAW | | | | CE3MN ; A 890, Gr.5A ; A995, Gr. 5A w/ charpy, Shell Oil Upstream Americas, Rev. 02A, Flowserve Taneytown | 511 |
| WP 502T | | GTAW | | | | CE3MN ; A 890, Gr.5A ; A995, Gr. 5A w/ charpy, Shell Oil Upstream Americas, Rev. 02A, Flowserve Taneytown | 511 |
| WP 503 | 1 | SMAW | X | | X | CD3MN; A 890, Gr4A ; A995, Gr.4A | 513 |
| WP504 | | SMAW | X | | X | A890, Gr. 1C; w/ impacts | 537 |
| WP504.1 | | FCAW | X | | X | A890, Gr. 1C; w/ impacts | 537 |
| WP504T | | GTAW | X | | X | A890, Gr. 1C w/ impacts | 537 |
| WP 505 | | SMAW | X | | X | CD3MWCuN ; A 890, Gr.6A ; A995, Gr. 6A | 527 |
| WP505.1 | | FCAW | X | | X | CD3MWCuN ; A 890, Gr.6A ; A995, Gr. 6A | 527 |
| WP505T | | GTAW | X | | X | CD3MWCuN ; A 890, Gr.6A ; A995, Gr. 6A | 527 |
| WP HK | 0 | SMAW | X | | | HK | 558 |
| WP 900 | 0 | SMAW | X | | | Siemens PDS 10315AA/ ASTM A128, Gr.A | 902 |
| WP 900.1 | 0 | FCAW | X | | | ASTM A128, Gr.A (cannot use for Siemens) | 902 |
| WP 958-Mil | 0 | GMAW | | X | | Mil-B-24480, UNS C95800 | 958 |
| WP 958 | 0 | GMAW | X | | | ASTM B148 UNS C95800 | 582 |
| WP 2122 | 0 | SMAW | X | | | Ingersoll-Dresser 2122 X-Cavalloy | 803 --805 |
| WP Grey Iron | 0 | SMAW | X | | | ASTM A48 CL 25-CL 40 | 970 |
| WP Ultimet | 1 | SMAW | X | | | Flowserve Spec. DT510.90TS | 700 |
| WP CuNi | 0 | SMAW | X | | | ASTM B369- C96400, UNS C96400 | 700 |
| WP CuNI-Mil | 0 | SMAW | | X | | Mil-C-20159, ASTM B369- C96400, UNS C96400 | 700 |
| WP CI-D2 | 0 | SMAW | AWS | | | ASTM A439, CI D2C | 826 |

MILITARY marked XX were written and tested to comply with NAVSEA TP248 but testing labs procedures are not recognized by the Navy and are no longer valid.