

testing shall be under the authority of the QCFS or can be performed by the QCFS if qualified.

The fabricator shall have a minimum QC staff level of one QCFS and one QCPS or one person qualified to perform both the QCFS and QCPS functions and the required NDT technicians to perform the non-destructive testing functions. The QCFS and QCPS shall be full time employees of the fabricator, except level one and two fabricators may choose to use outside personnel who meet the qualifications for the QCFS and/or QCPS. The use of outside QC personnel does not eliminate the requirements for the QCFS and QCPS being full-time during the project.

The qualifications of the QCFS, the QCPS, NDT personnel or outside agency personnel shall be approved prior to the fabricator being pre-qualified. Each QC specialist, NDT personnel or agency shall provide a resume listing, qualifications and work experience. QC specialists or NDT staff shall not be modified without the approval of OSE.

The QCFS and QCPS shall be responsible for documenting all inspection points (Appendix II) for each main material piece to show conformance with the requirements of this specification and contract documents. The fabricator is responsible for providing supervisory and any additional QC inspection personnel to control the work properly and to assure satisfactory materials and workmanship. The use of production staff or additional QC staff for specific quality control functions does not eliminate the QCFS's and/or QCPS's responsibility for documentation, QC and final acceptance of fabricated components at all required points.

**863.06 Rating System.** OSE shall evaluate the fabricator's level of quality during the fabrication process. This evaluation will include quality assurance reviews of shop drawings, material test reports, QC documentation, and shop QA inspection. The rating forms associated with these evaluations are in the Appendix II. OSE shall perform random and/or specific QA inspections. OSE may choose to waive any or all parts of the QA inspection.

The fabricator may also be evaluated by the District construction personnel concerning quality issues effecting field erection. If field evaluations are performed the results will be incorporated into OSE's final rating.

The Fabricator shall perform QC and provide documentation for each main material member at specified check, hold or witness points per Appendix II check lists.

Check points require QC inspection and documentation by the fabricator before the fabrication process continues.

Hold points require QC inspection and documentation by the fabricator before QA inspection can be performed by OSE. The fabrication process can continue after QA inspection.

Witness points require concurrent QC inspection by the fabricator and QA inspection by OSE to physically witness the welding or nondestructive testing .

The results of OSE and field construction QA evaluations shall be the fabricator's rating. This rating shall be reported to the fabricator and shall effect the future qualification of the fabricator as follows:

**A Rated Fabricators:** Fabricators that perform fabrication resulting in ratings of 90 percent and above, based upon the average of five\*consecutive bid line numbers, within the last 24 months and with no individual rating less than 80 percent will be defined as an A rated fabricator. These fabricators shall have the A rating hold points and random QA inspection performed. The A rating hold point is a final shop inspection, prior to shipping or storage, for levels one thru five and all hold and witness points concerning level six. A single rating below 80 percent, or the average of five\*consecutive ratings dropping below 90 percent, will result in the fabricator's pre-qualification being lowered to a B rating.

**B Rated Fabricators:** Fabricators that perform fabrication with ratings 89 to 80 percent, based upon the average of five\*consecutive bid line numbers, within the last 24 months and with no individual rating less than 70 percent will be defined as a B rated fabricator. These fabricators shall have all B rating hold points and random QA inspection performed. The B rating hold points are: Radiographic film review, Ultrasonic Inspection witnessing, and final shop inspection prior, to shipping or storage, for levels one thru five and all hold and witness points concerning level six. A single rating below 70 percent, or the average of five\* consecutive ratings dropping below 80 percent, will result in the fabricator's pre-qualification being lowered to a C rating.

**C Rated Fabricators:** The C rating is an interim level for fabricators, newly approved, to validate their QC performance and upgrade to the Department's B and/or A rating level. These fabricators shall have all C rating hold points and random QA inspection performed. The C rating hold or witness points are: Radiographic film review, Ultrasonic Inspection witnessing, Magnetic Particle Inspection witnessing, prime painting inspection and final shop inspection prior to shipping or storage for levels one thru five and all hold or witness points concerning level six .

The C rating is not a permanent qualification level for fabricators. Fabricators who fail to achieve an average rating above 79 percent but average between 70 to 79 percent based on five consecutive bid line numbers within the last 24 months, with no individual rating less than 60 percent, will be reduced one level on the pre-qualification list. The reduced level fabricator shall then have three additional consecutive bid line numbers, within the next 12 months to be averaged to achieve a B rating. Fabricators that still do not achieve a B rating will result in removal from the pre-qualified fabricator list. Any time the average of three consecutive ratings drops below 70 percent, the fabricator shall be removed from the Pre-qualified Fabricator List. The fabricator can request pre-qualification, 863.03, 36 months after removal.