

**Panama Canal Commission**

**3552.236-83**

Upon completion of the work, all toilet facilities shall be removed by the Contractor.

(End of clause)

**3552.236-81 Drinking Water.**

As prescribed in 3536.570(s), insert the following clause:

DRINKING WATER (JAN 1990)

Unless otherwise noted, the Contractor shall provide suitable drinking water and sanitary dispensing facilities for the Contractor's employees.

(End of clause)

**3552.236-82 Contract Bid Breakdown.**

As prescribed in 3536.570(t), insert the following clause:

CONTRACT BID BREAKDOWN (JAN 1990)

The Contractor shall, within 10 days after receipt of the Notice to Proceed, or on receipt of request, submit for approval a breakdown of its bid in a form to be outlined by the Contracting Officer. Supplementary bid breakdowns of all or part of the bid shall be furnished if requested by the Contracting Officer. Payments to the Contractor shall be based upon the information presented in the approved bid breakdown.

(End of clause)

**3552.236-83 Descriptive Data and Correspondence.**

As prescribed in 3536.570(u), insert the following clause:

DESCRIPTIVE DATA AND CORRESPONDENCE  
(JAN 1990)

(a) All catalogs, operating instructions, descriptive literature, references, specifications, drawings and notes relevant to the equipment furnished under the specifications, and correspondence shall be in the English language. All drawings shall be prepared in accordance with American Standard Drafting Room Practice as approved by the American National Standard Institute (ANSI) standards and in accordance with the following:

(1) All dimensions shall be given in feet and inches.

(2) All weights shall be avoirdupois scales.

(3) All volume measurements shall be in cubic feet, cubic inches or U.S. gallons (231 cu. in./gal).

(4) All heat quantities shall be in British thermal units (Btu's).

(5) All instruments shall read in units of the English system, except gallons shall be U.S. gallons as noted in paragraph (a)(3) of this clause.

(b) When required by the various sections of these specifications or when requested by the Contracting Officer, seven (7) copies (unless otherwise specified) of the following items shall be submitted by the Contractor to the Contracting Officer for approval.

(1) *Material Lists:* Before any materials, fixtures or equipment are purchased, the Contractor shall submit a complete list of materials, fixtures and equipment to be incorporated in the work, together with the names and addresses of the manufacturers and their catalog numbers and trade names. A separate complete list shall be furnished for the equipment called for under each section of the specifications. No consideration will be given to partial lists submitted from time to time.

(2) *Descriptive Data:* In order to establish quality or suitability of materials, fixtures and equipment, the Contractor shall furnish detailed information and descriptive data for the various items. Approval of items will be based on manufacturer's published ratings. Any items which are not in accordance with the specifications will be rejected. The product of any reputable manufacturer regularly engaged in the commercial production of specified equipment will not be excluded on the basis of minor differences, provided all essential requirements of this specification relative to materials, capacity, and performance are met.

(3) *Samples:* (i) The Contractor shall submit all samples within a reasonable time before use to permit inspection and testing. Samples of materials subject to laboratory tests require, generally, a minimum of 20 days for tests after receipt of sample by the Contracting Officer. However, considerably more time may be required depending on the nature of the tests and the ability of the laboratory to take care of current testing requirements.

(ii) Samples of the sizes and numbers required by the Contracting Officer or specified in the contract shall be submitted (except when this requirement is waived by the Contracting Officer) with label on each, giving contract number, specification paragraph, name and materials, trade name, name of manufacturer, place of origin, name and location of building on which to be used, and name of Contractor submitting same.

(iii) Samples shall be so packed as to ensure delivery at destination in good condition and with all transportation charges prepaid by sender.

(iv) Samples of materials not subject to destructive tests, when approved, will be kept on file in the office of the Contracting Officer until the completion of the work, except samples of hardware or other items approved by the Contracting Officer, which may be suitably marked for identification and installed in the work. If the Contractor desires an approved sample for the Contractor's own

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file or for a manufacturer, the Contractor shall submit sufficient additional samples to permit the desired distribution. Samples approved or rejected will be returned to the Contractor only at the Contractor's request and expense.

(v) Samples selected will be tested in accordance with the requirements of the applicable material specifications. If a sample fails to meet specification requirements, the cost of testing shall be at the expense of the Contractor. Failure of samples to pass specified requirements will be sufficient cause for refusal to consider for this work any further samples from the manufacturer whose materials have failed to pass the required tests.

(c) *Submittals*: Each submittal shall be accompanied by the required number of Panama Canal Form 3062, Submittal Data For Approval, fully executed and certified by the Contractor. When possible, a single transmittal shall be used for all work of a section of the specifications, but in no instance shall a transmittal include work of more than one section. Each copy of each item submitted for approval shall also be properly identified as to the subject matter indicated thereon, the item of equipment or material to which it pertains, and the contract number under which it is submitted. Each point of difference between the proposed equipment or material and the specified equipment or material shall be clearly indicated on the submittal. The submittals shall be complete and shall be checked by both the materials or equipment supplier and the Contractor, and shall contain all required and necessary detailed information. Fabrication of the equipment and construction where involved shall not start until the submittals have been approved.

(d) If approved by the Contracting Officer, each copy of the submittal will be identified as having received such approval by being stamped either "Approved" or "Approved as Noted", and one set will be returned to the Contractor. Such approved submittals need not be resubmitted. If, however, the set returned to the Contractor is stamped "Disapproved", such submittal shall be resubmitted as expeditiously as possible. If the Contractor desires to have more than one copy returned for the Contractor's use, the Contractor must increase the number of copies submitted accordingly and must so indicate on the transmittal form.

(e) The approval of submittals by the Contracting Officer shall not be construed as a complete check, but will indicate only that, in general, the materials, equipment, system, arrangement, detailing and method of construction are satisfactory. Approval will not relieve the Contractor of the responsibility for any error or omission which may exist, and the Contractor shall be responsible for the dimensions and design of adequate connections, details, satisfactory construc-

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tion, installation and operation of all work in accordance with the contract provisions. Approval shall be subject to final, in-place inspection of the work.

(End of clause)

**3552.236-84 Instruction Books.**

As prescribed in 3536.570(u), insert the following clause:

**INSTRUCTION BOOKS (JAN 1990)**

The Contractor shall deliver to the Contracting Officer nine (9) copies (unless otherwise specified) of all instruction books as called for under the various sections of the Technical Conditions. The instruction books shall be submitted and approved before work can be started on installation of the equipment to which they pertain. Each copy of the instruction books shall provide legible, complete and clear instructions, descriptions and data for installation, operation, maintenance and repair of the equipment as well as replacement parts lists. Each copy of an instruction book shall be bound in separate durable covers. Method of binding shall be post type or equivalent to permit insertion of replacement pages. Ring or spiral type loose leaf binders are not acceptable. Each copy shall be properly and indelibly identified with the name of the project, the contract number, and the name and location of the equipment to which it pertains.

(End of clause)

**3552.236-85 Record Drawings.**

As prescribed in 3536.570(u), insert the following clause:

**RECORD DRAWINGS (JAN 1990)**

The Contractor shall, during the progress of the work, keep a careful and current record, on a separate set of contract drawings, of all changes and corrections from the layouts shown on the drawings. These drawings shall be available for inspection at all times at the work site indicated by the drawings. If the Contracting Officer determines that the record drawings are seriously out of date, the Contracting Officer may require the Contractor to cease physical work on the portion of the work covered by the drawings until the drawings are brought up to date. Any costs of delays resulting from such actions by the Contracting Officer shall be borne by the Contractor. Upon completion, the Contractor shall revise one set of prints of contract drawings, furnished by the Contracting Officer, showing the work as actually constructed. These drawings shall be delivered to the Contracting Officer within 14 calendar days after receipt of the "Acceptance of Work" letter. All revisions made to