Plans and Drawings for Navy Service

Service A Control

Master Plans—Navy Service A Controllers

Unless otherwise specified, master plans will be the only type of plans furnished for Service A equipment.

Master Plans will include the following information.

1—Manufacturers' Name and Catalog identification of Apparatus.
2—Navy Specification governing the design of the control.
3—Descriptive, data of controller i.e. enclosure, rating, operation, type, etc.
4—Descriptive data of associated equipment i.e. PB Station, Pressure Switch, etc.
5—Descriptive data of devices, and electrical design data of coils, resistors, etc.
6—Weights of controller and associated apparatus.
7—List of Spare Parts and Tools.
8—List of Material.
9—Connection and Schematic Diagrams.
10—Outline drawing and dimensions of enclosure.
11—Outline drawing and dimensions of panel.
12—Outline drawing and dimensions of accessories.
13—Description of operation.
14—Approved Status.
15—Title block.

Approval—The master plan will be approved by the bureau concerned, and once approval is obtained no further approval by any Naval activity is required for the use of the plan on successive contracts or orders.

Plans after award of contract or order—After award of contract or order for Navy Service A equipment, blue print copies of previously approved *master* plans will be submitted for *confirmation* of the apparatus being furnished. In case the controller is not covered by a previously approved Master Plan, blue print copies of the new plan will be submitted for information. Duplicate prints of the new master plan will be submitted to the bureau concerned for approval, and blue prints of the original plan submitted under the contract or order for information will be followed by prints of the bureau approved plan.

Certification Data. Blue print Copies of Plans Submitted for information or confirmation will be accompanied by a certification data sheet (8" x 10½" blueprint) attached to the master plan. The certification data sheet will contain information as follows.

1—Navy Contract Number or Shipbuilder's order number.
2—Manufacturer's order number.
3—Sub contractor's order Number.
4—Applications:
  a—Auxiliary.
  b—Number of controls per vessel.
  c—Motor H-p Rating.
  d—Full load amps.
  e—Volts.
  f—Overload heater Catalog Number.
5—Number of controllers involved.
6—Number of controllers per vessel.
7—*Number of sets of spares per vessel contract, and total sets.*
8—Number of vessels involved.
9—Vessel numbers or hull numbers.
10—Bureau Master Plan Number.

Ship Plans. Ship Plans are required for Navy A and B service where master plans are not required. A ship plan involves a specific contract and cannot be extended to apply to more than one contract, unless specific approval has been obtained from the Naval Agencies involved.

Prices: Master Plan or Ship Plan will be furnished at $117. net (except where price is otherwise indicated on individual controller price lists). A Master Plan or Ship Plan must be furnished on every order for Service A or B Control equipment unless the contract specifically waives the requirement for such plan. Separate plans are required for all accessories.

Reproductions and Reproducable Copies of Plans

(Master Plans consist of the plan, a certification data sheet and a spare part list which is really a part of the certification data. Ship Plans are complete in themselves).

Reproductions of Master Plans or Ship Plans will be furnished when ordered at the following prices:

Tracing—full size photolithic tracing of ship plan on linen cloth. $14. Net Each

Full size photolithic tracing of controller master plan on linen cloth.....$ 14. net each

Full size photolithic tracing of accessory master plans (pushbutton station, rheostat, etc.) on linen cloth.....$ 14. net each

Van Dyke Negative—(Full size paper Van Dyke Negative) of *various plans mentioned above*.....$ 4. net each

Reproductions of Master Plans or Ship Plans will be furnished when ordered, at the following prices:

Reduced size Planograph copies of various plans mentioned above, $ 25. net for 1st 100 copies or part thereof; $5. net for each additional 100 copies ordered at same time.

Note: Blueprint copies of plans are not supplied in quantities. Master plans are not supplied for Navy Service C and D equipment.

When instruction books are ordered for Navy Service A or B equipment *use same price as given below under Service C and D Control.*

Service C and D Control

Ship Plans Service C & D Equipment

Present Navy Specifications indicate ship type plans are required for Service C & D Equipment. Where such plans are required on any contract or order, price such plans from equivalent Navy Service A controller bulletin.

If Ship Plans are not required in a specific contract or order outline plans will be furnished. Outline plans will consist of manufacturers prints of the type that are regularly made as an essential part of the design and manufacture of the controllers involved. They may consist of data sheets, catalog sheets, *blueprints or other suitable prints, and* all prints are not necessarily the same type or size.

The data contained in outline plans will be as follows:

1—Certification Sheet indicating manufacturers name, catalog number of device, rating, and weight of each controller unit, reference to contract number and vessel numbers, application identifying order numbers, and reference index to drawings.
2—Outline drawings showing dimensions of all controller units and accessories.
3—Wiring diagram.

Plans after award of contract or order. After award of contract or order, outline plans will be furnished upon request for confirmation or approval of the suitability of the equipment being supplied. These plans will constitute the purchasers only record of Service C and D controller apparatus. (Unless ship plans are furnished.)

Note: Outline plans may be supplied for service A, B, C, and D equipment as preliminary plans for information prior to the award of the contract or order. Outline plans are furnished without charge.

Instruction Books—Service C and D Equipment

Instruction books will be supplied when ordered for Service C and D equipment. Instruction books will contain the following information.

1—Certification Data sheet indicating Contract number, vessel numbers, order numbers, controller identification, rating, etc.
2—Maintenance Instruction Sheet.
3—Dimension Drawing of Controller.
4—Dimension Drawing of accessories.
5—Wiring diagram of controller—connection and schematic.
6—Spare parts lists:
7—Repair part publications or drawings.

Preliminary copies of instruction books may be supplied in blueprint form. The final copies will consist of black and white printed sheets.

Price: Instruction books will be supplied at the following prices:

$59.00 net for first 100 copies or part thereof.

$27.00 net for each additional 100 copies.

Reproducible copies of the instruction books will consist of negative Van Dyke copies of all sheets and will be supplied at $10. net each (in addition to base price of $59.00).

Miscellaneous Drawings and Plans.

Cloth Blue Prints $1.00 per sq. ft. net.

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