

FROM CONTRACTOR: Cardinal Contr. Co.
 TO: Lockwood Greene, Engrs.
 PROJECT TITLE AND LOCATION: NAVAL REGIONAL MED. CTR., Camp Lejeune, N.C.

CONTRACTOR USE ONLY
 *List only one specification division per form.
 List only one of the following categories on each transmittal form, and indicate which is being submitted

Contractor Approved OICC Approval Deviation/Substitution For OICC Approval

ITEM NO.	PROJ. SPEC. SECT. & PARA. and/or PROJ. DWG. NO.	ITEM IDENTIFICATION (Type, size, model no., Mfg. name, dwg. or brochure number)	NO. OF COPIES	ACTION CODES	REVIEWER'S INITIALS	DATE
555-D 556-D 556-1B		SECO Conveyor Drawings for Clarification - #1, dated 10/28/80; #2, dated 2/4/81	7	RSC	AN	4-13
" "		Somat Pulper data sheets and Dwg. E-2249, dated 10/8/79.	7	AD	AN	4/13
" "		Blakeslee Dishwasher data sheets & Dwg. 3-5033952-1-D	7	MSAO	DW	

CONTRACTOR'S COMMENTS

COPY OF TRANSMITTAL AND SUBMITTALS TO ROICC: 3-27-81
 CONTRACTOR REPRESENTATIVE (Signature): Wm. J. Haymaker

DATE RECEIVED BY REVIEWER: FROM (Reviewer)

Submittals are returned with action indicated. Approval of an item does not include approval of any deviation from the contract requirements unless the contractor calls attention to and supports the deviation.
 Submittals are forwarded to LANTDIV with A-E recommendations indicated in REVIEWER USE ONLY Section and in comments below on ONE COPY of the transmittal form.

REVIEWER'S COMMENTS



COPIES TO: ROICC (2), LANTDIV (1), A-E (1)
 DATE: SIGNATURE:

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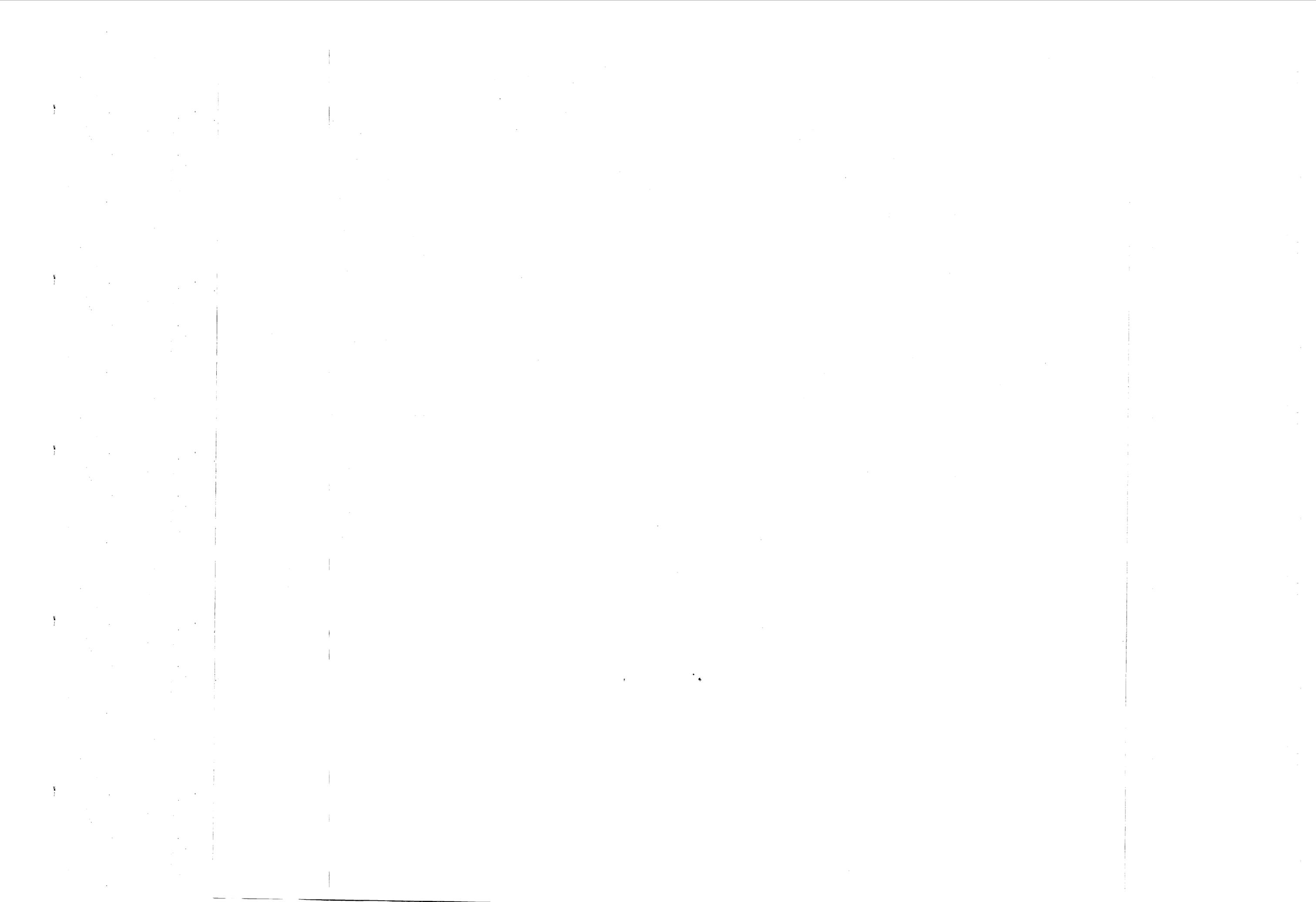
REVIEWER'S COMMENTS: SEE SUBMITTAL FOR COMMENTS



COPIES TO: ROICC (2), LANTDIV (1), A-E (1)
 DATE: 4/1/81 SIGNATURE: [Signature]

789

REMARK
 PLEASE RECEIVED



Pulper Motor shall be 5 HP direct drive, with encapsulated windings and sealed bearings. The shaft shall be martensitic stainless steel with seal for positive protection against leakage. Hydra-Extractor Motor to be 1.5 HP TEFC motor mounted to a 20:1 gear reducer.

Pulper Tank shall be 23" diameter welded fabrication; polished austenitic stainless steel (Au.SS) shell with 1/2" thick Au.SS slurry chamber, slurry discharge, fresh and return water connections. Slurry chamber to contain internal junk box for collection of non-pulpable items. Hydra-Extractor Shell to be rigid Au.SS weldment with supporting frame, pump and motor mount, removable, polished Au.SS access cover and discharge chute. Head assembly shall be rigid Au.SS weldment bolted to shell.

Pulping/Shearing Mechanism shall be impeller surrounded by sizing ring as follows:

Impeller shall consist of 9-1/4" diameter, 3/4" (1-3/4" at center hub) thick Au.SS plate, with two pods welded at periphery, each containing a rotatable, replaceable tool steel cutter blade hardened to 62 Rc. Impeller shall have pumping vanes, and tungsten carbide chips applied to its surface.

Sizing Ring shall consist of Au.SS top and bottom ring flanges, 4 Au.SS perforated segments, and 4 four-sided, replaceable and rotatable tool steel cutters hardened to 56 Rc, each having 4 usable cutting edges.

Water Extracting Mechanism shall consist of 6" diameter Au.SS screw with nylon brush edge, Au.SS plug cutter, machined shaft and keyway for drive sprocket, and matching 6" diameter reinforced Au.SS screen. The screw shall be supported in the head by a combination radial and thrust bearing.

Valve Package consisting of all valves required for proper operation, including valves for fresh water line, return line and drain line, shall be provided by pulper manufacturer for field installation by others.

Electrical Control Panel shall be U.L. approved and include all necessary electrical components prewired to a terminal strip. All start-stop push button stations and selector switches required shall be supplied for field installation by others. Electrical characteristics shall be: ___ volts, 3 phase, 60 hertz. Automatic water level controller shall be provided.

789

Accessories required for each under-dish-table pulper to be selected from the following:

- | | | |
|--|--|--|
| <input type="checkbox"/> Feed Trough Flange | <input type="checkbox"/> Lid | <input type="checkbox"/> Chemical Additive Pump |
| <input type="checkbox"/> Silver Saver Assembly | <input type="checkbox"/> Hood | <input type="checkbox"/> Automatic Rinse System |
| | <input type="checkbox"/> "Mail" Feed Chute | <input type="checkbox"/> Recirculating Pump for returning water to tray/trough |

Accessories required for each free standing, high tank pulper to be selected from the following:

- | | |
|--|---|
| <input type="checkbox"/> Stainless Steel Dry Feed Tray | <input type="checkbox"/> Chemical Additive Pump |
| <input type="checkbox"/> Stainless Steel Water Flushed Feed Tray | <input type="checkbox"/> Automatic Rinse System |
| <input type="checkbox"/> Feed Trough Flange | <input type="checkbox"/> 2 HP Recirculating Pump for returning water to tray/trough |

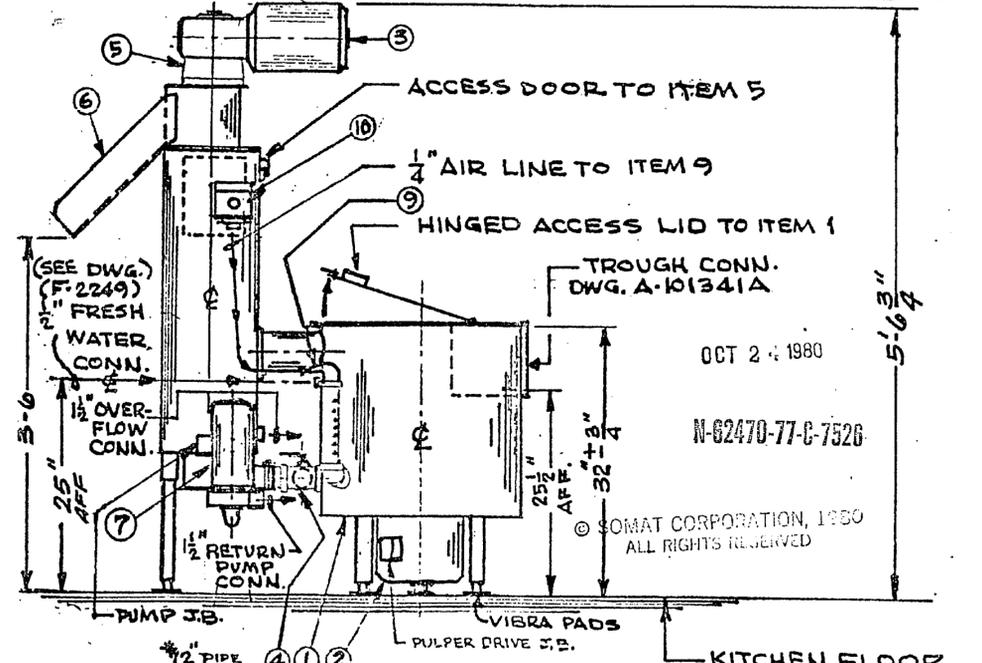
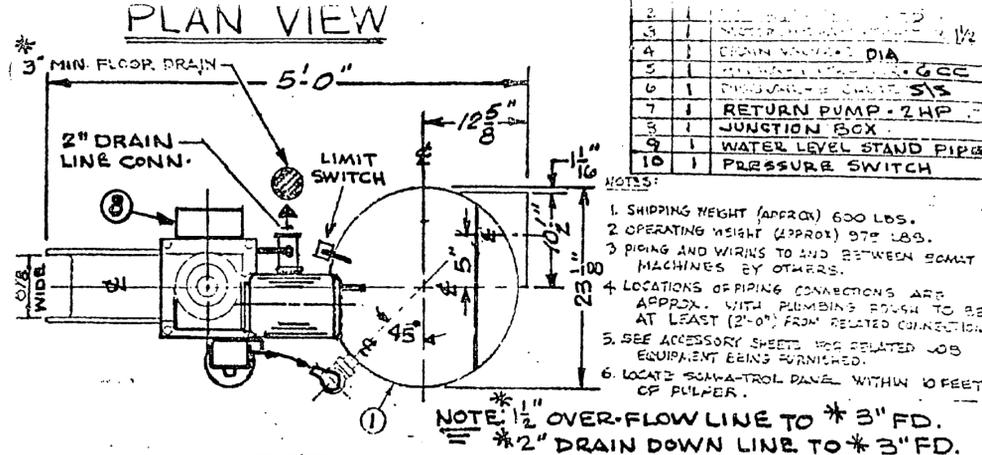
All exterior surfaces, except where polished stainless steel, to be prime coated with OTEXP60A-1 and two finish coats of Sherwin Williams Blue Enamel No. F68LQ12.

Capacity: 700 lbs. per hour of foodservice waste.

N-62470-77-C-7526

Equipment shall be covered by manufacturer's standard warranty.

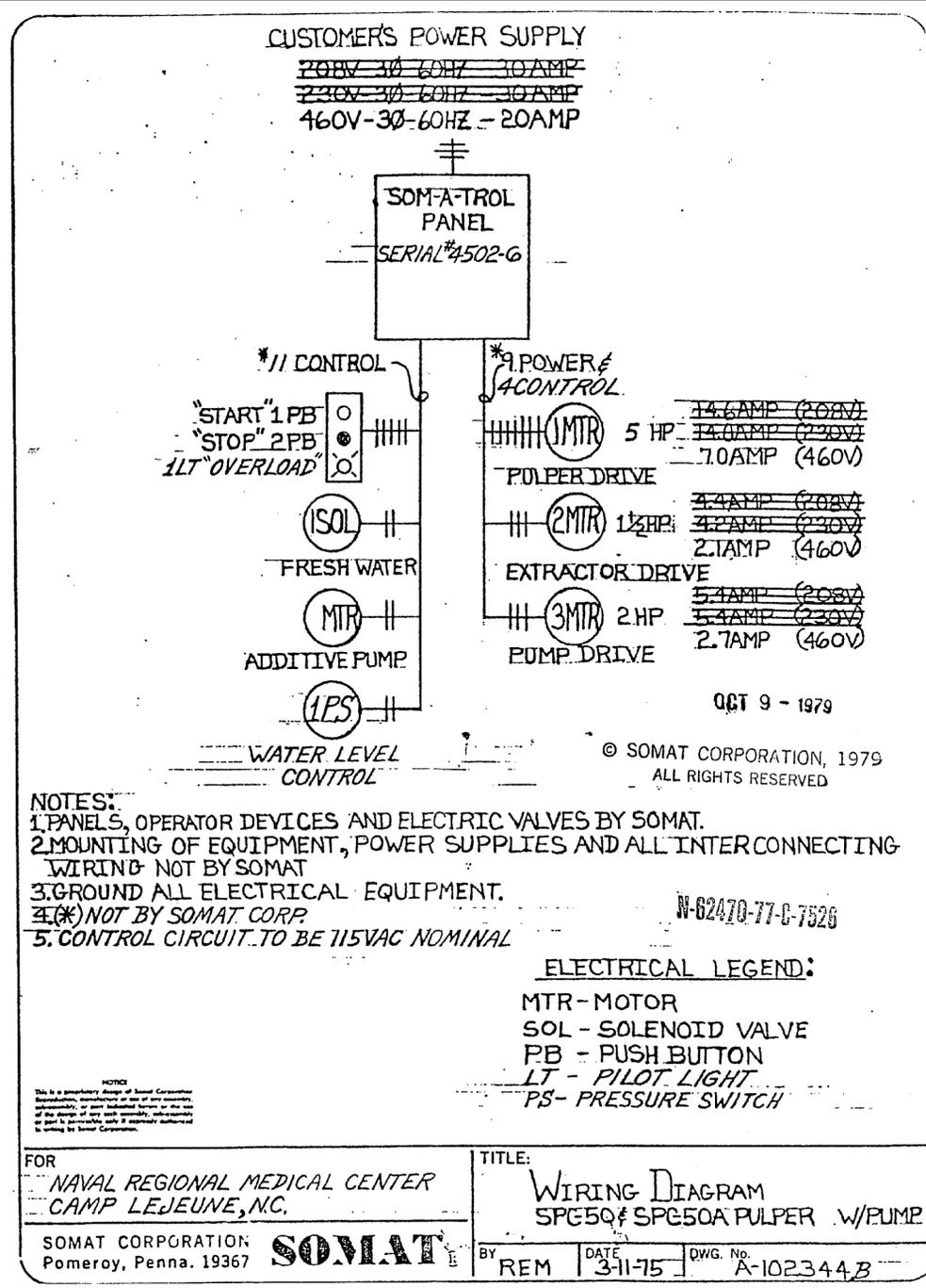
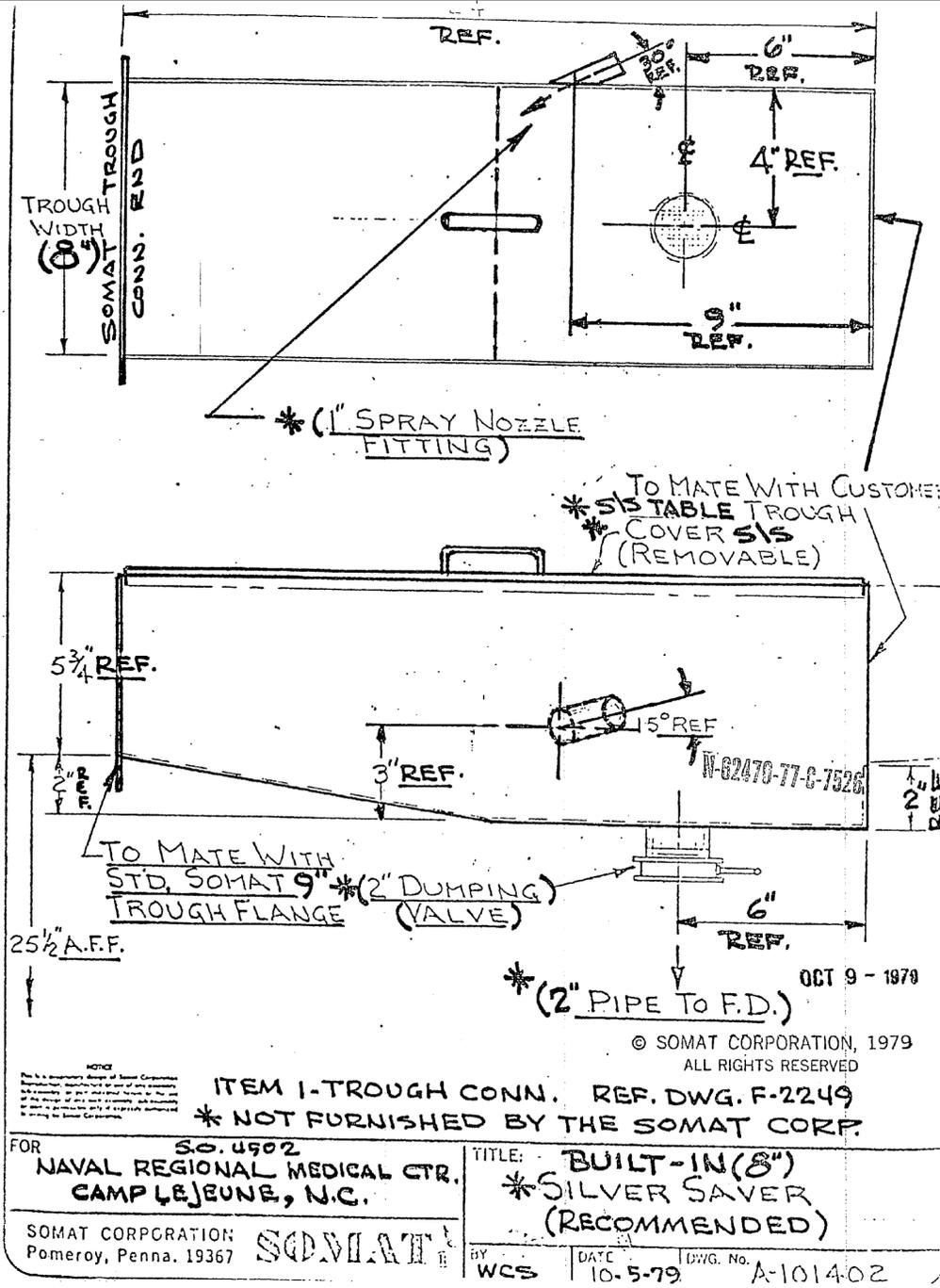
Equipment shall be manufactured by SOMAT CORPORATION, Pomeroy, Pa. 19367.

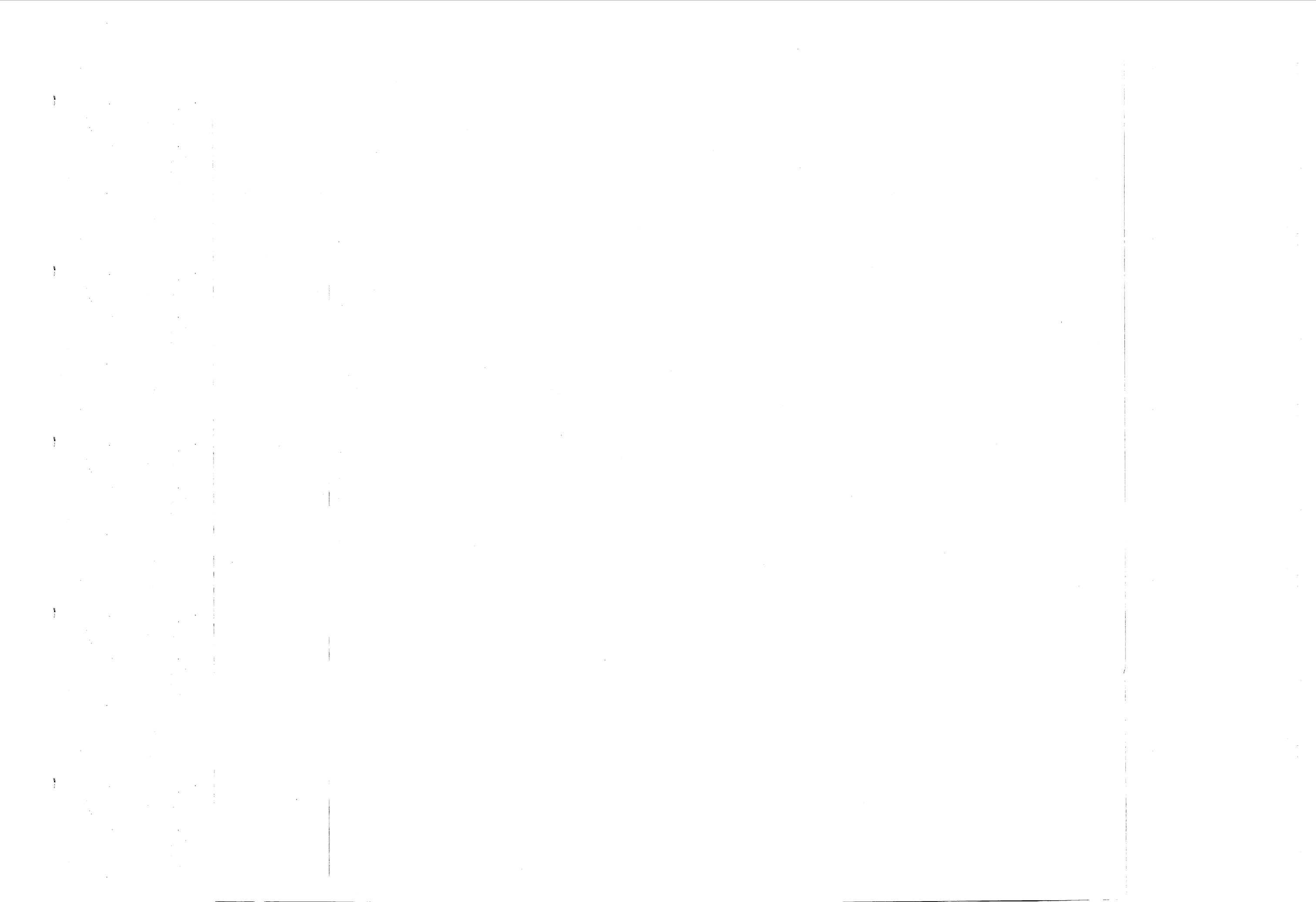


ELEVATION
* NOT FURNISHED BY THE SOMAT CORP.

CR NAVAL REGIONAL MED. CTR. CAMP LEJUNE, N.C. S.O. 4502	TITLE: SOMAT SPC-50AS INSTALLATION DRAWING ITEM 1
SOMAT CORPORATION Pomeroy, Penna. 19367	REF. DWG. F-2249
BY: WCS	DATE: 10-4-79
	DWG. No. A-101403







SOMAT AND HOBART WASTE PULPING SYSTEMS -
COMPARITIVE ANALYSIS OF
DESIGN, CONSTRUCTION, AND ACCESSORY FEATURES

NAVAL REGIONAL MEDICAL CENTER
CAMP LEJEUNE, NORTH CAROLINA

HOBART ECOLO-LINE
MODEL ELS-1224

PULPER MOTOR

5 horsepower direct drive. Heavy duty open drip-proof type with 1-1/2" diameter stainless steel shaft NEMA Design B. Flange mounted to underside of tank.

WATERPRESS MOTOR

2 horsepower. Heavy duty totally enclosed fan cooled. NEMA Design B. C-face flange, mounted to gear reducer.

CONTROLS

Pre-wired electrical control panel and water level pressure switch in NEMA 12 enclosures, field mounted. Magnetic type with nominal 115 volt, circuit controls having main circuit breaker interlocked with panel door handle; low voltage and three leg thermal overload protection. Water-tight START/STOP push buttons for both motors mounted in enclosure. (Continued on next page)

SOMAT MODEL SPC-50AS

PULPER MOTOR

Motor will be 5 HP, 3 ϕ , 60 cycle direct drive with encapsulated windings and sealed bearings mounted by means of a radial flange. It will be heavy duty open drip-proof type with 1-1/4" diameter stainless steel shaft (Type 416 with special heat treating to Rc 25/31 -115,000 psi), NEMA Design B, shaft shall have zero end play. Flange mounted to underside of tank.

HYDRA-EXTRACTOR MOTOR

1-1/2 horsepower. Heavy duty totally enclosed fan cooled, NEMA Design B, C-face flange, mounted to gear reducer.

N-62470-77-C-7526

CONTROLS

Pre-wired electrical control panel and water level pressure switch in NEMA 12 enclosures, field mounted. Magnetic type with nominal 115 volt circuit controls having main circuit breaker interlocked with panel door handle; low voltage and three leg thermal overload protection. Electrical interlocks are provided to keep the equipment from operating. (Continued on next page)

CONTROLS (Continued)

Electrical interlocks are provided to keep the equipment from operating, or to shut down the equipment if the hinged discharge chute on the water-press, and/or the hinged lid on the pulper tank is raised.

PULPER TANK

24" diameter, welded fabrication, stainless steel polished finish. Includes slurry chamber (1/4" thick), slurry discharge. Return water connection and fresh water connection. Tank bottom contains a labyrinth and water flushed mechanical seal for motor protection. Fresh water assembly is prepped and mounted on pulper tank and includes: solenoid valves, backflow preventer with strainer.

PULPING DISC

11-1/4" diameter stainless steel mounted to motor drive shaft, includes formed carbide teeth (Rc A-88 hardness) random mounted, Delta shearing cutters, hardened steel to provide horizontal shearing action, mounted on pulping disc.

CONTROLS (Continued)

or to shut down the equipment if the hinged discharge chute on the water-press, and/or the hinged lid on the pulper tank is raised.

START/STOP push button will be water-tight (NEMA 4 Type) and supplied as a remote style for mounting along trough for ease of operator use.

PULPER TANK

23" diameter, welded fabrication, stainless steel (heavy gauge Type 304), polished finish. Includes slurry chamber (1/2" thick), slurry discharge. Return water connection and fresh water connection. Tank bottom contains a labyrinth and water flushed mechanical seal for motor protection. Fresh water assembly is prepped and mounted on pulper tank and includes: solenoid valve, backflow preventer with strainer, throttling valve, shock arrestor, and shut-off valve.

To insure stability and freedom from distortion, the pulper base and slurry chamber are stress relieved before machining of motor mounting pads, sizing ring mounting surfaces, mechanical sea cavity and labyrinth ring.

N-62470-77-C-7526

PULPING DISC

9-1/4" diameter stainless steel mounted to motor drive shaft, includes formed carbide teeth (Rc A-88 hardness) mounted in a predetermined pattern to aid in the pulping process.

The impeller shall be machined stainless steel plate (measuring 3/4" to 1-3/4" thick at center hub) with center drive shaft adapter and shall include two steel pods welded to the periphery. Pods shall incorporate machined slots for mounting cutting blades (tool steel hardened to a Rc C-56) and the impeller shall be equipped with pumping vanes.

PARTICLE SIZING RING

Stainless steel, match to pulping disc. Stationary shearing cutters, hardened steel, attached to sizing ring for horizontal shearing action.

DRAIN VALVE

1-1/2" NPT full port valve attached to pulper tank for draining and cleaning.

TRASH BOX

Attached at base of pulper tank for external removal of nonpulpable items.

WATER PRESS

Stainless steel dewatering press assembly includes: A housing, 6" diameter gear-driven helical screw mounted within a cylindrical screen, overflow connection, access door and a discharge housing with hinged chute factory adjustable 90° either direction.

PARTICLE SIZING RING

Consists of four individual, replaceable stainless steel sizing ring segments, stainless steel top and bottom rings plus four stationary cutters (four sided, rotatable and individually replaceable) which are tool steel and hardened to Rc C-56.

DRAIN VALVE

2" NPT full port valve attached to pulper tank for draining and cleaning.

TRASH BOX

Separate internal compartment accessible for cleanout from the inside of the pulper (at one time SOMAT provided an external junk box but due to excessive wear of gasket material and improper replacement by operator causing water leakage and downtime, we discontinued this design.

HYDRA-EXTRACTOR N-62470-77-C-7526

The Hydra-Extractor shall be of heavy welded stainless steel construction and shall be compatible with normal sanitary cleaning procedures, with clear access for cleaning underneath. The shell design shall be such that a generous clearance for cleaning of the screen surface is provided. All components shall be replaceable and interchangeable on location with standard hand tools.

The unit shall consist of:

1. Shell - The shell shall be a rigid stainless steel weldment with supporting frame, pump, and motor mount, and removable Type 304 stainless steel polished access lid and stainless steel discharge chute.
2. Head - The head assembly shall be a rigid machined stainless steel weldment bolted to the shell.

WATER PRESS

STAINLESS STEEL H:

Stainless steel 1/4 plate hinged to fi

LEGS

Tubular stainless flanged feet. Ad; either direction. tion pads supplied

ELECTRICAL

208 volt, 3 phase,

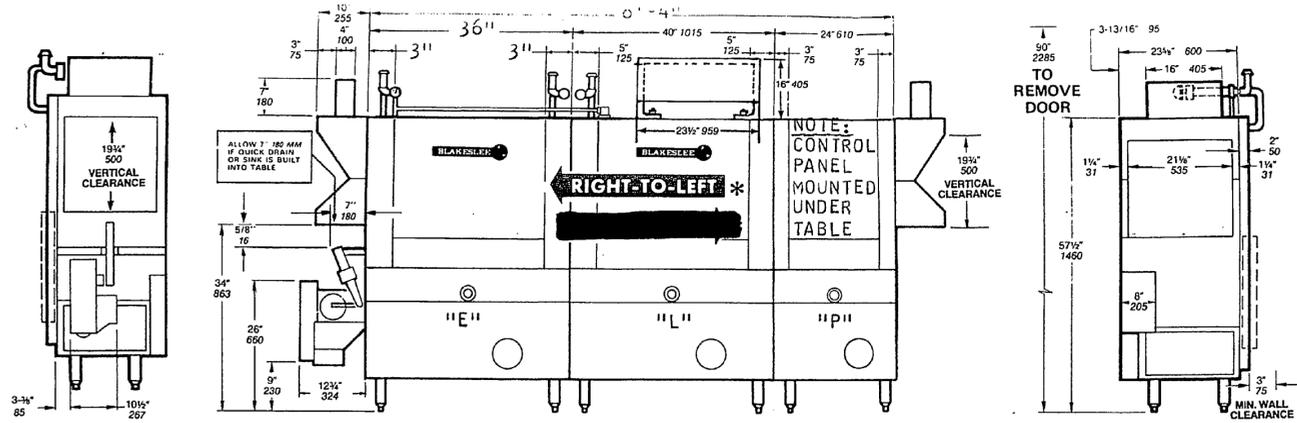
RETURN PUMP

Feed trough flush water) pump with 1 convey waste into



BLAKESLEE

Specify



IMPORTANT NOTE:
Before making final drawings, verify all plumbing and electrical connections, location of control box, and conveyor drive.

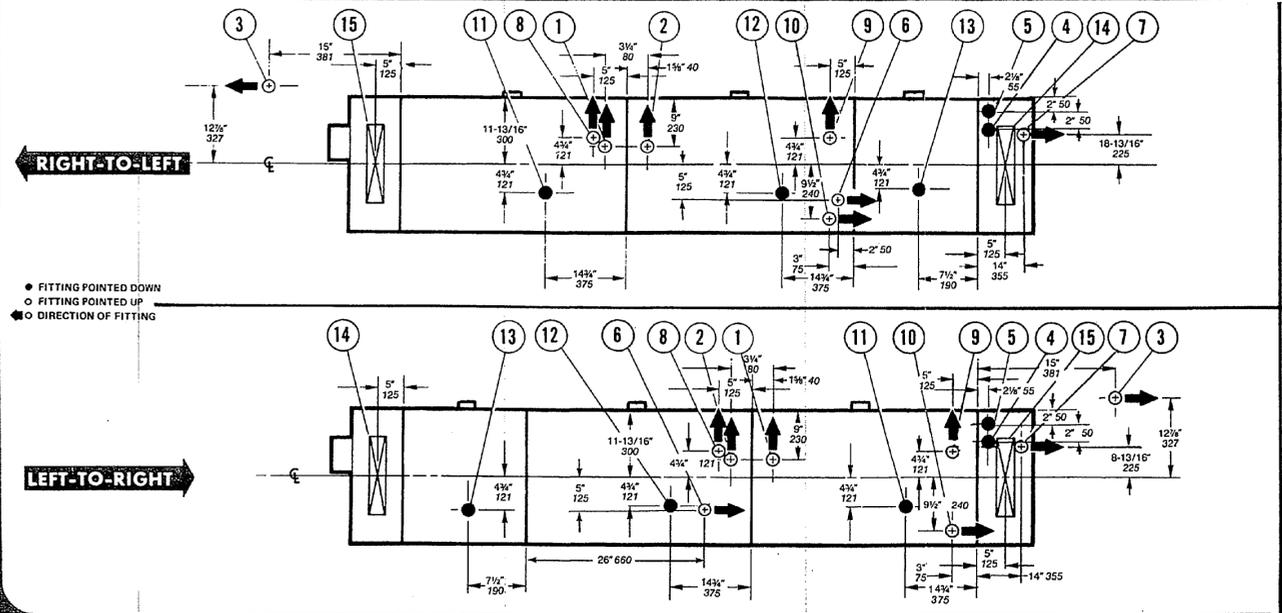
Approx. Shipping Weights
Domestic crated 1470 lbs. 665 kg
Export crated 1971 lbs. 895 kg
Export boxed 2368 lbs. 915 kg
Export cube 210.0 cu. ft. 6.12 m³
U.L. 1467" W 35" H 117"

BLAKESLEE
MODEL PLE
Two-Tank
with Pre-wash
RACK-TYPE
DISHWASHERS



* NOTE: OUTSIDE DIMENSIONS OF DISHWASHER SHOWN ARE SAME FOR R TO L and L TO R WITH EXCEPTION TO SERVICE CONNECTIONS.

METRIC DIMENSIONS IN MILLIMETERS ARE SHOWN IN ITALICS Scale 1/2" = 1" 1:24

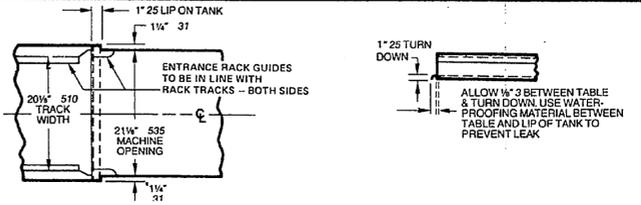


PLUMBING AND ELECTRICAL CONNECTIONS				
NO.	SERVICE CONNECTION	FITTING	FUNCTION	DIM FROM FLOOR
1	140°F, 60°C H.W.	1/2" 13	TANK FILL	63" 1600
2	140°F, 60°C H.W.	1/2" 13	TANK FILL	63" 1600
3	180°F, 82°C H.W.	3/4" 19	FINAL RINSE	62" 1575
4	ELECTRIC	3/4" 19	TANK HEAT	16" 405
5	ELECTRIC	3/4" 19	TANK HEAT	16" 405
6	ELECTRIC	3/4" 19	CONTROL PANEL	62" 1575
7	STEAM	1 1/2" 38	TANK HEAT	12 1/2" 315
8	CONDENSATE	1/2" 13	TANK (STEAM COIL)	12 1/2" 315
9	CONDENSATE	1/2" 13	TANK (STEAM COIL)	12 1/2" 315
10	CONDENSATE	3/4" 19	TANK HEAT	8 1/2" 215
11	DRAIN	2" 50	TANK	5 1/2" 135
12	DRAIN	2" 50	TANK	5 1/2" 135
13	DRAIN	2" 50	TANK	5 1/2" 135
14	HOOD VENT	—	LOAD END	64 1/2" 1640
15	HOOD VENT	—	UNLOAD END	64 1/2" 1640

CONNECTION NO.	POWER REQUIREMENTS (AMP.)				EXHAUST (CU. FT./MIN.)	
	SINGLE PHASE	THREE PHASE		LOAD END	OPTIONAL AND EXTRA	
NO. 115V	208V	220/240	208V	220/240	440/480	LOAD END 200 5.66 cu.ft./min.
4	—	96	91	56	52	26 UNLOAD END 400 11.33 cu.ft./min.
5	—	96	91	56	52	26 CONV. SPEED MAX. RACKS/HR.
6	—	28	24	16	14	7 8.5 ft./min. 2.6M/min. STANDARD 306
7	Tank Heat 20PSI 135 kPa 140 lbs. 63.5 kg Conda/H (4.2 BHP)				10.8 ft./min. 3.2M/min. 388	OPTIONAL AND EXTRA
10	TANK HEAT MAX. BTU/HR. 180,000				DRAIN FLOW 30 GPM 114 Liters/Min	

WATER AND STEAM WORKING PRESSURE 20 P.S.I. 1.5 P.S.I. 136 kPa 134 kPa

DETERGENT POWER BOX ON TOP OF DISHWASHER, SAME VOLTAGE AS PUMPS. Standard on Blakeslee machines for easier and better installation of detergent dispensing equipment.

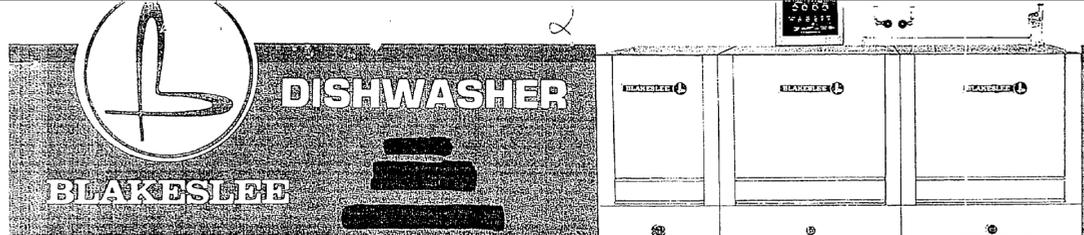


GENERAL NOTES

- VERY IMPORTANT. Roughing-in drawings show standard plumbing connections. If machines is to be supplied with inter-connected plumbing (optional extra) for one connection only to tank fills, drains, etc., then request spec. dwg. W-3-16033.
- Steam and electric boosters optional extra—for boosting temperature of final rinse) furnished on floor stand with interconnected plumbing and electric wiring furnished for one connection only to machine. Booster is furnished for installation on floor, 30" 760 mm from final rinse or discharge end of dishwasher. (Due to heavy

weight of booster, machine mounting not recommended.) Electric thermostats in steam and electric boosters wired to electric control panel on Dishwasher, however electric heating elements in electric booster should be wired to power line first through the electric control panel). See literature on Boosters.

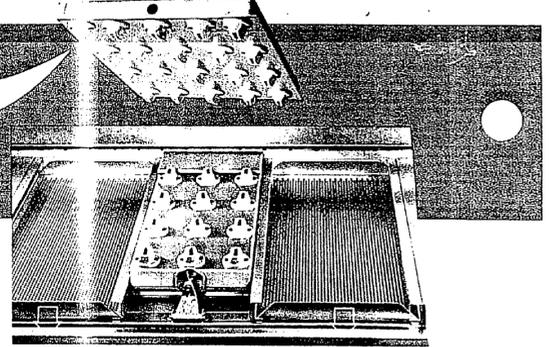
- Recommended minimum wall clearance at back of machine—3" 75 mm.
- All vertical dimensions from floor line subject to 3/4" 20 mm increase or decrease due to adjustable feet.



MODEL PLE 100" Two Tank
With Pre-Wash

Illustration shows removable front panel enclosing pump and motor - optional extra

SEE DWG. NO. 3-S033952-1-D
FOR DETAILS.



SUGGESTED BRIEF SPECIFICATIONS

Dishwasher shall be Blakeslee Model PLE with 1/2 H.P. pre-wash pump motor, 1 1/2 H.P. wash and rinse pump motors and 1/2 H.P. conveyor motor. Shall be heated by steam. Dishwasher shall operate from left to right (or right to left—specify direction of operation desired). Electrical components shall be for operation on 480 volt, 60 cycle, 3 phase current.

Machine shall be equipped with—(Check and specify any extra equipment desired.)

25 dish racks and 25 combination racks End hoods S. S. removable front panel

C2 steam booster

(All the variations and options are listed in detail in the "long specifications" and need not be repeated here.)

LONG SPECIFICATIONS

DESIGN: Dishwasher shall be a two tank conveyor type with a 24" 610 mm long, pre-wash with removable curtains at entrance and exit ends and between pre-wash, wash and rinse sections. Dishwasher shall have a tank bottom 17" 430 mm above floor to permit easy and thorough cleaning of inside of tank through large inspection and cleanout doors. Design of Dishwasher shall be modular so that an additional tank or tanks can be added should future demands necessitate a larger machine or moving the machine to a different location or changing the machine from a rack conveyor model to a Flight Type or Flight-A-Round type of operation.

DIMENSIONS: Dishwasher shall be 104" 2642 mm long and 23-5/8" 600 mm wide and 57 1/2" 460 mm high.

CONSTRUCTION: Tank and hood shall be constructed of stainless steel with welded steel base and adjustable legs.

PUMPS: Pumps shall be self-draining, packless seal type with removable cleanout plate for complete access to interior. Pre-wash pump, wash and rinse pumps shall have a capacity of 95 gallons 720 l, 190 gallons 720 l, and 190 gallons 720 l per minute respectively.

MOTORS: Pre-wash pump motor shall be 1/2 H.P. and wash and rinse pump motors shall be 1 1/2 H.P. each. All motors shall be standard NEMA frames and U.L. approved.

ELECTRIC CONTROL PANEL: Each motor shall have a separate U.L. approved magnetic starter with overload and low voltage protection, all interwired to a machine mounted control panel for just one common electrical connection to the machine.

CONVEYOR: Conveyor shall operate at a speed of 8.5 Ft./min. 2.6 M/min. Conveyor tracks, pawl bar, pawls shall all be stainless steel and easily removed for cleaning. Conveyor drive shall be designed to withstand any possible "jam" without damage to conveyor mechanism.

PRE-WASH, WASH AND RINSE: Pre-wash tank, wash and rinse tanks shall have a capacity of 15.3 gallons 58 l, 23.6 gallons 89 l and 23.6 gallons 89 l respectively. Pre-wash, wash and rinse waters shall be pumped over the dishes at a rate of 95 gallons 360 l, 190 gallons 720 l and 190 gallons 720 l per minute respectively. Washand rinse water shall be sprayed onto the dishes through upper and lower spray boxes with large unrestricted fixed directional spray nozzles. The upper wash and rinse spray boxes shall have 20 nozzles, each with a 1-1/8" 28mm x 1/4" 6mm opening. Lower stainless steel wash and rinse spray boxes shall each have 12 nozzles with a 1-1/8" 28 mm x 1/4" 6 mm spray opening. Spray boxes shall be easily removable for periodic cleaning. Pre-wash, and wash trays with 3/32" 2.4 mm perforations to prevent passage of insoluble matter washed from dishes to prevent clogging of the 1-1/8" 28 mm x 1/4" 6 mm openings in spray nozzles.

FINAL RINSE: Final rinse shall be sprayed evenly across the conveyor from nozzles above and below at a rate of 4.8 gallons 18 l per minute at 20 p.s.i. 138 kPa in conformance with National Sanitation

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Foundation standards. Final rinse shall be automatically turned on and off by means of racks tripping a lever operated microswitch and hot water solenoid valve with a vacuum breaker and line strainer to comply with all existing plumbing codes, and shall bear the American Society of Sanitary Engineering Plumbing Testing Laboratory seal of approval.

WATER LEVEL INDICATORS: Indicator on front of machine with a tempered glass face so that operator can observe the level of water when filling the tank, and the condition of water during the washing period.

TANK HEATING: (Choice of steam, gas or electric heat. Specify 1, 1(a), 2 or 3 as shown below, whichever is desired.) 1. Tank shall be heated by steam injectors with electrically operated steam thermostats with line strainers and low water cutoffs mounted in the electric control panel and interwired. 1(a). Tanks shall be heated by stainless steel steam coils with electric thermostats and line strainers mounted in the electric control panel and interwired. 2. Tanks shall be heated by electric heating elements (20 k.w. in wash and 20 k.w. in rinse) with thermostats with low water cutoffs for operation on ___volt, ___cycle, ___phase (specify voltage required.) (When electric heat is specified, electric heating elements are wired direct to the power line rather than through the electric control panel. The electrical contractor should furnish and install a disconnect switch in the line ahead of the dishwasher at time of installation.) 3. Tanks shall be heated by gas burners with necessary safety devices including gas flues, safety pilots, gas governors, and safety gas cocks and electrically operated thermostats with low water cutoffs mounted in the electric control panel and interwired.

STANDARD EQUIPMENT: Shall consist of 6 dish racks and 4 combination racks for cups, bowls, glasses and silver, dial type wash and final rinse thermometers mounted on machine, line strainer on final rinse, vacuum breakers on final rinse and tank fill lines, visual tank water level indicator and machine mounted electric control panel with low water cutoff to prevent pump seal "burn out".

AVAILABLE EXTRA EQUIPMENT: Extra dish racks; extra combination racks; end hoods constructed of stainless steel for exhausting steam, with 4" 100 mm x 16" 405 mm vent openings and adjustable built-in dampers (2 required); stainless steel front panel to enclose pumps and motors, C1 booster - steam operated or 58 k.w. electric booster for boosting temperature of final rinse; automatic tank fill, stainless steel main frame in lieu of standard heavy gauge painted steel; 2 section cleanout inspection doors for installations involving a low ceiling problem; lower pre-wash spray assembly (Top spray only is standard); common drain connection; common steam connection, and common 140°F 60°C water connection. FAST SPEED MACHINE - (in lieu of standard) - 10.8' per minute 3.3 M/min. conveyor speed. 215 g.p.m. 814 L/min. wash and rinse tank pumps, each operated by a 1 1/2 H.P. motor.

STAINLESS STEEL

All interior parts of Blakeslee Dishwashers are constructed of stainless steel or ni-resist, so they are not affected in the least by today's highly alkaline detergents, new chlorinated detergents, or even by the deliming chemicals used for periodic cleaning of the inside of machines to remove accumulated deposits.

SPRAY POWER

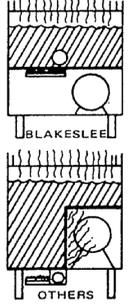
A dishwasher is a tank with a built-in spray system, and the dishwasher is only as good as the spray system. Blakeslee's unique design incorporates the Blakeslee Stainless Steel Spray Boxes with the large unrestricted spray nozzles. See the illustrations at the right—note the wide open nozzles in the upper and lower spray boxes. Each nozzle has a wide-open non-clogging spray opening that measures 1-1/8" 28 mm x 1/4" 6 mm. Spray boxes are easy to remove for periodic cleaning, and after cleaning there is only one way to put them back in the machine—the right way—so that the fixed directional nozzle design gives a full volume wash pattern in the washing area. Each spray box is a one piece—complete assembly—so there is nothing to take apart and there are no parts that can be accidentally lost during the cleaning operation. These spray boxes and nozzles are one of the BIG reasons behind the cleaner dishes and less rejects with a Blakeslee Dishwasher.

SLIDE-OUT SCRAP TRAYS

Perforated stainless steel scrap trays in the Blakeslee Dishwasher have small 3/32" 2.4 mm perforations (even small enough to filter rice from water) that cover the tank area to prevent any food particles getting into the spray system. Very important—the scrap trays slide out—effortlessly through the large cleanout door for cleaning. See the illustration in the Blakeslee Dishwasher accumulated food particles collected in the scrap trays cannot be accidentally dumped into the machine which can and does happen with "lift out" scrap trays.

FULL SIZE TANK BOTTOM

Blakeslee Dishwashers have a full size tank bottom (the same area as the top of the machine). This provides a large gas burner area on which to apply heat on a gas-heated machine. The pump and motor on the Blakeslee machine are mounted below the tank (not in front of the tank, which is like mounting a pump and motor in front of a radiator and not above the gas burners, which is like mounting the pump and motor on a hot griddle). On a Blakeslee machine the heat from the gas burners and the heat radiated from the tank goes up and away, and not into the pump and motor bearings to dry up bearing lubricants. This explains why Blakeslee Dishwashers last longer and perform with less "breakdowns" and costly repairs.



LARGE CLEANOUT DOORS

The large cleanout and inspection doors allow easy cleanout and inspection of the Dishwasher. This makes the 17" 430 mm high off-the-floor Blakeslee tank bottom easy to clean. (Not so on dishwashing machines where the tank bottom goes down to 8 205 mm or 9 inches 230 mm above the floor.)

VISUAL WATER LEVEL INDICATOR

The water level indicator which is a part of the Blakeslee Dishwasher (illustrated at the right) has a tempered glass face that tells the operator when the tank is filled and the condition of the wash water while the machine is being operated.

PLENTY OF WATER

Published official National Sanitation Foundation data on pump capacities confirms the extreme efficiency of BLAKESLEE pumps - 95 gallons 360 l of pre-wash, 190 gallons 720 l of detergent wash and 190 gallons 720 l of recirculated rinse water is pumped over the dishes per minute.

VERSATILE MODULAR DESIGN

Blakeslee Dishwashers are "modular" in their design and this can be very important to any customer. When you buy a Dishwasher, it is going to render service for many years to come and during that time your dishwashing requirements can change. Thanks to the Blakeslee "modular" design, you can add tanks or modules for a bigger and better dishwashing operation and should you ever desire, you can even convert your rack conveyor model into a Flight Type or Flight-A-Round Type of operation by adding modules. The Blakeslee modular design makes all this possible.

MEETS ALL STANDARDS

All Blakeslee Dishwashers are NSF, UL, CSA and ASSE approved showing their complete conformance with these rigid standards.



G. S. BLAKESLEE & CO.
1844 So. Laramie Avenue
Chicago, Illinois 60650

G. S. BLAKESLEE & CO. OF CANADA LTD.
66 Crackford Boulevard
Scarborough, Ontario M1R 3C3

N-67470-77-0-7526

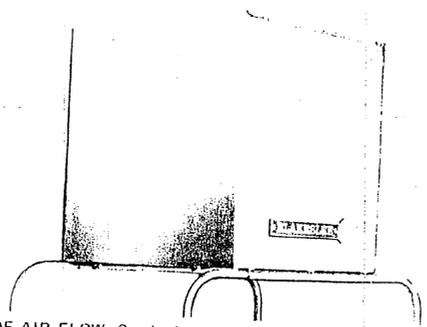
Printed in U.S.A.
11-80-5M-GR

RC 11B

Specify Blakeslee

BLAKESLEE

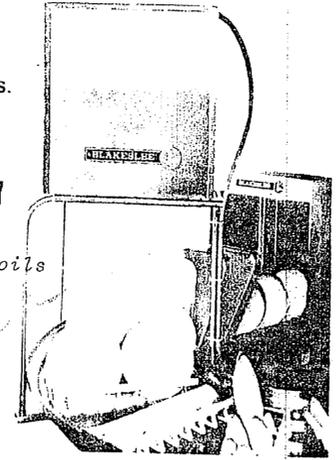
- AIMS AIR DIRECTLY ONTO TRAYS, DISHES, ETC.
- NO VENTING REQUIRED.
- REDUCES WATER SPOTTING.
- ADJUSTABLE HEIGHT PERMITS OPTIMUM USE OF AIR FLOW. Can be lowered to within 1 inch (20mm) of tallest ware to be washed.
- QUIET, EFFICIENT AIR MOVEMENT—Cage-type blower wheel and neoprene motor mounts minimize noise.



MOUNTS TO EITHER FLIGHT-A-ROUND SECTIONS.

FITS STANDARD AND EXTRA-WIDE MACHINES.

CAN BE USED IN TANDEM TO FURTHER IMPROVE DRYING TIME.

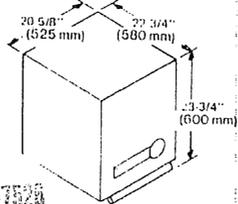


Steam Heated Coils

Hand chamber below...

Capacity.....2000 cfm
(56 m³/min.)
Construction
Housing 16 ga type 394 stainless steel
Brackets 12 ga type 394 stainless steel
Tubing 1/2" (27/32) O.D. pipe schedule 49 stainless steel
Blower Housing Heavy ga steel

Motor*
Direct drive, requires lubrication only once a year
3/4 H.P.
3/4 H.P.



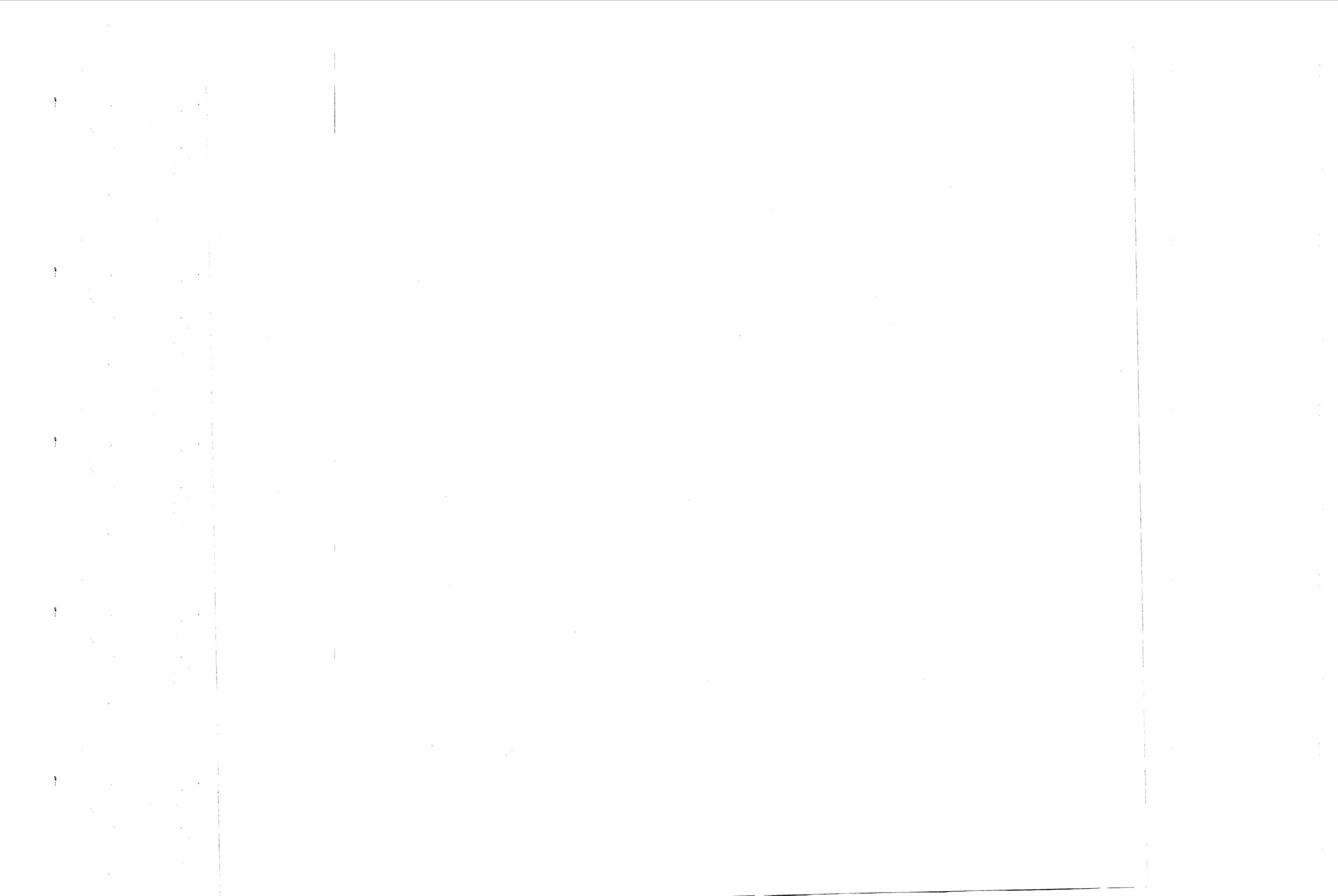
*Can be wired to 208-230V, 1 phase 3 phase and 440-480V, 3 phase dishwasher.

N-02470-77-C-7520

1844 So. Laramie Avenue
Chicago, Illinois 60650

66 Crookford Blvd.
Scarborough, Ontario M1R 3C1

EB1
MADE IN U.S.A.



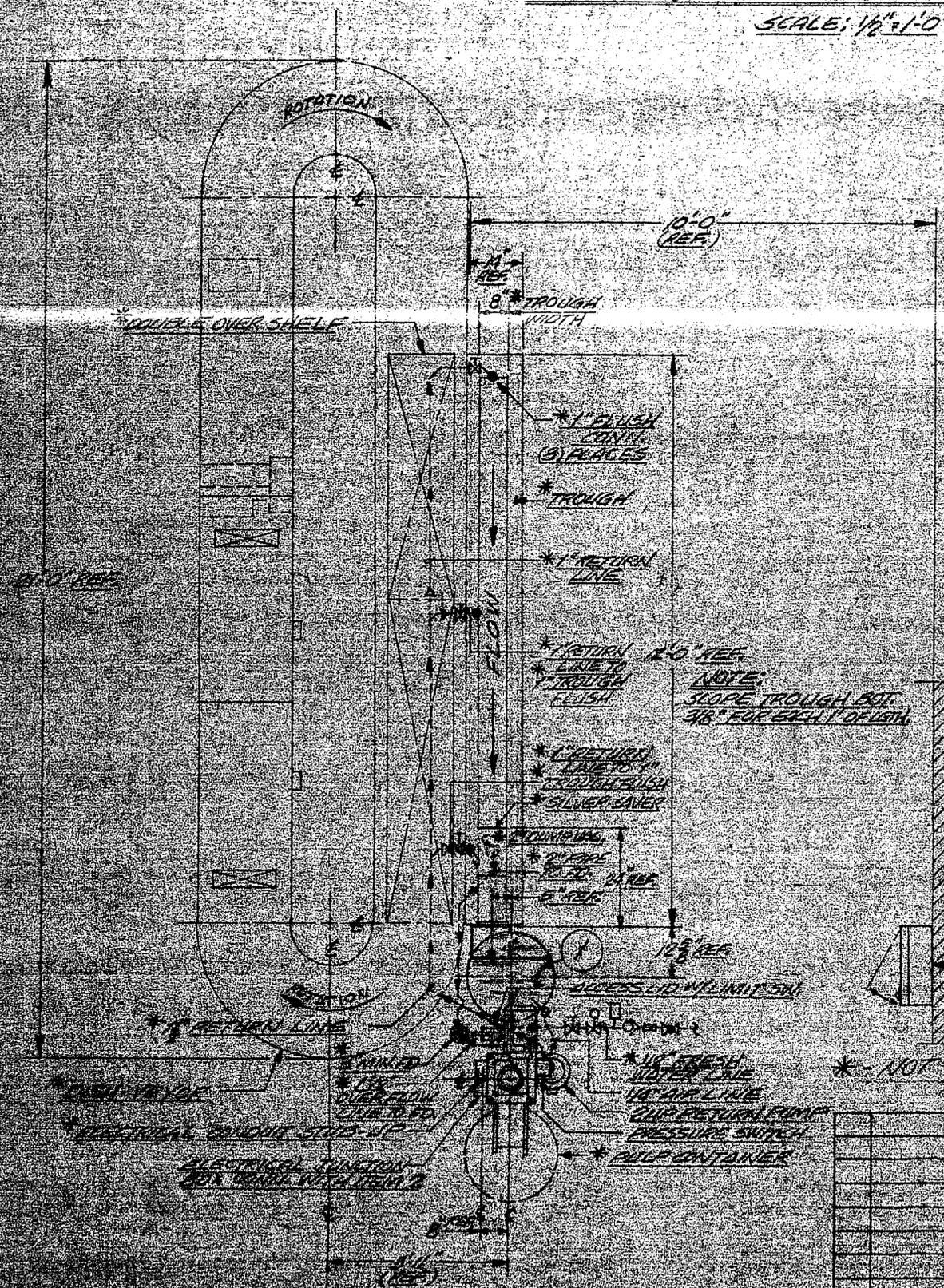
ENERGY EFFICIENT AND ECONOMICALLY OPERATED BLOWER/DRYER TO BE
FACTORY INSTALLED AND ADJUSTED AT JOB SITE TO BE 1/2" ABOVE
TALLEST PIECE OF DISHWARE IN ORDER TO ACHIEVE OPTIMUM STRIPPING
ACTION. BLOWER OPENING TO BE ADJUSTABLE TO VARY VELOCITY OF AIR
TO SUIT SPECIFIC CONDITION.
NO ADDITIONAL MAKE-UP AIR REQUIRED IN DISHROOM. AS UNIT REQUIRES
NO EXHAUST CONNECTION.

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PLAN VIEW OF DISHWASHING RM.
SCALE: 1/2" = 1'-0"



BILL OF MATERIALS

ITEM	QTY.	SER. NO.	EQUIP. DESCRIPTION	MOTORS HP
1	1	4502-1	SOMAT SPC-5045 PULPER WITH HINGED LID ASSY. TROUGH CONN. & FLUSH PUMP	5 1/2
2	1	4502-6	SOM-A-TROL (CS) PANEL	-
EQUIPMENT TOTALS				5 1/2

REFERENCE DWGS.

- SOMAT SPC-5045 PULPER DWG. A-101403
- TROUGH CONN. DETAIL DWG. A-101341A
- * TROUGH SILVER SAVER DWG. A-101402

VALVE REQUIREMENTS

- SOLENOID VALVE - FRESH WATER LINE
- DRAIN VALVE - ITEM 1
- THROTTLING VALVE - FRESH WATER LINE & RETURN TROUGH LINE
- SHUT-OFF VALVE - FRESH WATER LINE
- SHOCK ARRESTER - FRESH WATER LINE
- FLEXIBLE CONNECTOR - FRESH WTR. LINE
- BACKFLOW PREVENTER BUILT-IN STRAINER - FRESH WTR. LINE
- * PIPE REDUCER - RETURN TROUGH LINE

FILE NO. 789
RECEIVED
MAR 30 1981

789

It is hereby certified that the (material) (equipment) shown and marked in this submittal is that proposed to be incorporated into Contract Number _____ is in compliance with the contract drawings and specifications, and can be installed in the allocated spaces, and is (approved for use) (submitted for Government approval).

CARDINAL CONTRACTING CO.
Authorized Reviewer: _____ Date: _____
Signature: CCG/Red: WPH Date: 3-27-81

* - NOT FURNISHED BY THE SOMAT CORPORATION

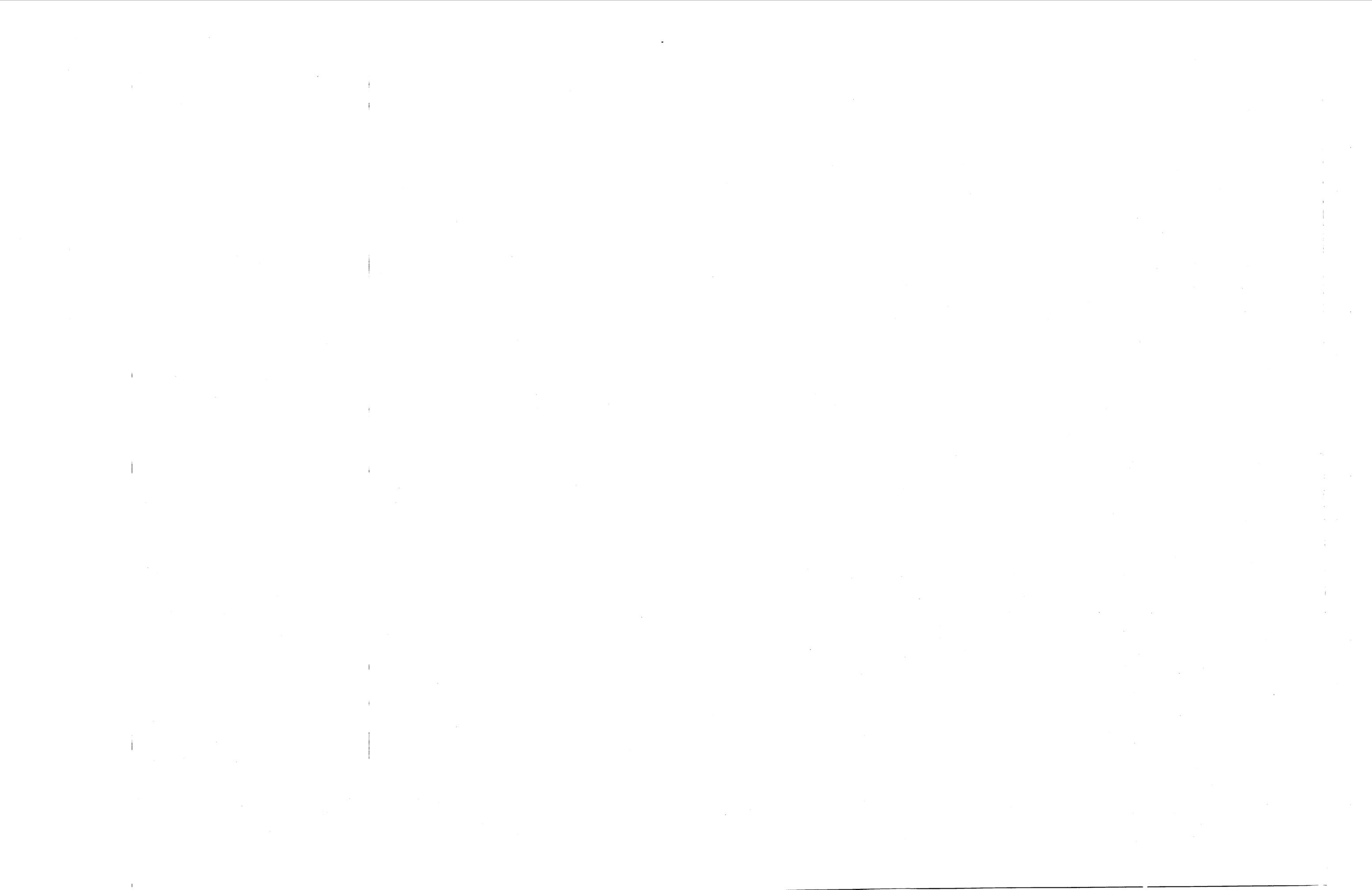
somat WASTE HANDLING SYSTEMS

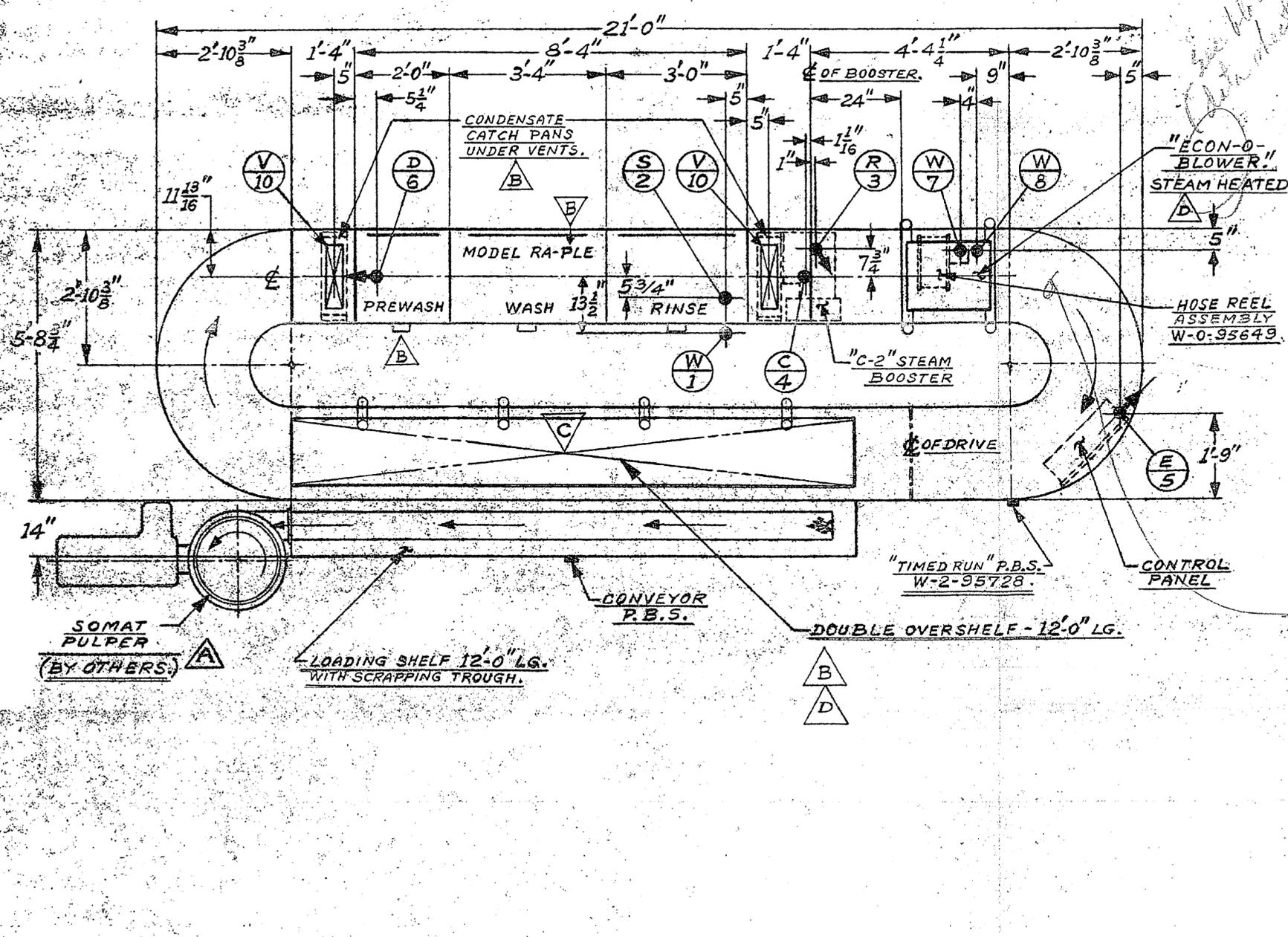
CHESTNUT ST. POMEROY PA. 18367

GENERAL ARRANGEMENT OF SOMAT EQUIPMENT

NOTICE: This is a preliminary drawing of Somat Corporation's equipment. It is not to be used for construction or for any other purpose without the written consent of Somat Corporation. Somat Corporation is not responsible for any errors or omissions in this drawing.

SCALE: _____ DATE: _____





Mk. NO.	SERVICE CONNECTION	FITTING	FUNCTION	DIM. FROM FLOOR
W 1	140° HOT WATER	1"	TANK FILLS & BOOSTER INLET	8"
S 2	STEAM	1 1/2"	TANK HEATS (COILS) "ECON-O-BLOWER" HEAT (COILS) & BOOSTER COMMON INLET.	9 7/8"
R 3	RELIEF VALVE	3/4"	CONNECTS TO WASTE (BY OTHERS)	23"
C 4	CONDENSATE	3/4"	STEAMTRAP & RETURN FROM "ECON-O-BLOWER" STEAM HEAT (COILS) AND STEAM BOOSTER.	18"
E 5	ELECTRIC 7.5 AMPS.	3/4"	CONTROL PANEL 480/60/3	17 1/2"
D 6	DRAIN	2"	MANIFOLD	3"
W 7	COLD WATER	1/2"	HOSE REEL - INLET	24"
W 8	HOT WATER	1/2"	HOSE REEL - INLET	24"
V 9				
V 10	VENTS (2)	4"x16"	EXHAUST 200 CFM LOAD 400 CFM UNLOAD	64 1/2"

FILE NO. Lockwood Greene Engineers, Inc. RECEIVED MAR 30 1981 REF. TO ACK.

provide straight length for clean rack take-off per dwg A19-2

ELEC. CHAR. 480/60/3	
HORSEPOWER DISTRIBUTION:	
1/2 HP.	CONVEYOR
1/2 HP.	PREWASH
1 1/2 HP.	WASH
1 1/2 HP.	RINSE
3/4 HP.	ECON-O-BLOWER

FITTING POINTED-DOWN. DIRECTION OF FITTING.

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND NORFOLK, VIRGINIA 23511
 APPROVED _____
 DISAPPROVED _____
 SUBJECT TO THE REQUIREMENTS OF CONTRACT NO. N62470-77-C-7526
 APPROVAL OF A SUBMITTAL DOES NOT INCLUDE APPROVAL OF ANY DEVIATION FROM THE CONTRACT REQUIREMENTS. THE CONTRACTOR CALLS ATTENTION AND REPORTS THE DEVIATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF DIMENSIONS & WEIGHTS COORDINATION OF TRADES, ETC.
 REVIEWER _____ DATE 4/1/81
 FOR OFFICER IN CHARGE OF CONSTRUCTION

TANKS REQUIRE 60.5 GAL'S. TOTAL FINAL RINSE REQUIRES 1.2 GAL'S. HOT WATER TO PHYSICAL DIMENSIONS & WEIGHTS COORDINATION OF TRADES, ETC.
 TOTAL STEAM REQUIREMENT 280 LBS. COND./HR. AT 20 P.S.I.
 DISHWASHER TO HAVE "AUTOMATIC TANK FILLS" AND "STAINLESS ST'L. MAIN FRAME."

"It is hereby certified that the (material) (equipment) shown and marked in this submittal is that approved/proposed to be incorporated into Contract Number _____, is in compliance with the contract drawings and specifications, and can be installed in the allocated spaces, and is (approved for use) (submitted for Government approval).
 CARDINAL CONTRACTING CO.

Authorized Reviewer _____ Date _____
 Signature CQC Rep *WJH* Date 3-27-81."

DOORS "OUT"

ISSUE	DESCRIPTION	BY	DATE
D	BLOWER STEAM HEAT ADD ONE SUPPORT REMOVED FROM OVERSHELF.	P.A.S.	2-18-81
C	REVISED PER CUSTOMER'S SPECIFICATION.	J.F.K.	11-7-80
B	REVISED PER CUSTOMER'S SPECIFICATION.	J.F.K.	7-31-80
S.O.#	"ECON-O-BLOWER" ADDED.	J.F.K.	3-27-79
A	"PULPER WAS 'C-COLD-LINE'."	P.A.S.	9-21-79

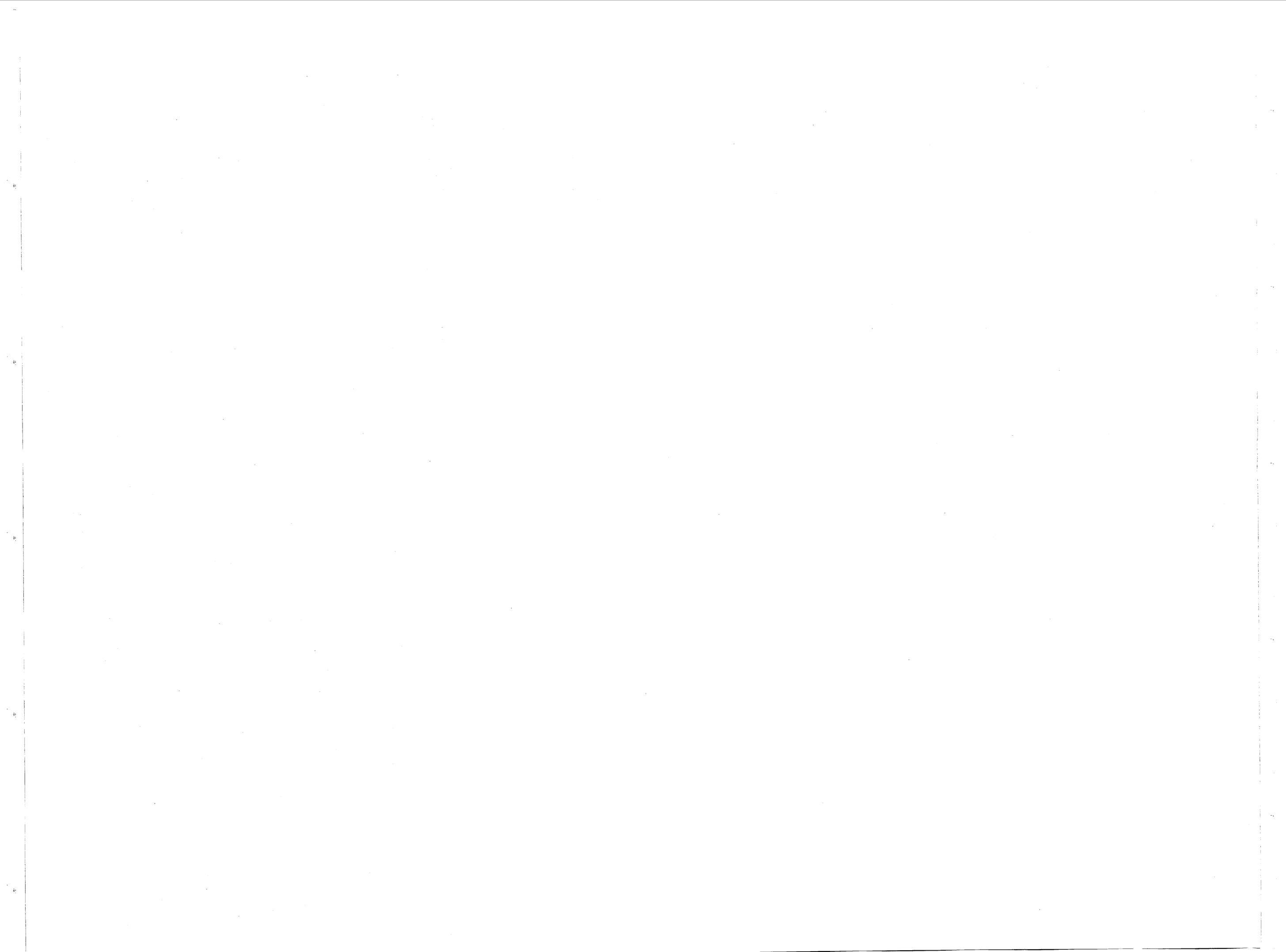
G. S. BLAKESLEE & CO. CICERO, ILLINOIS
 MARINE CORP BASE CAMP LE JEUNE, N.C.
 DR. BY J.F.K. CHK. BY B SCALE 1/2" = 1'-0" DATE 9-14-79
 FIRST MADE FOR 3-790914-1-A MACHINE MODEL RA-PLC JK DWG. NO. 3-S033952-1-D

TOLERANCES UNLESS OTHERWISE NOTED:
 FRACTIONAL ±
 DECIMAL ±

FEB 19 1981

789

N62470-77-C-7526



ATLANTIC DIVISION
 NAVAL FACILITIES ENGINEERING COMMAND
 NORFOLK, VIRGINIA 23511

APPROVED _____
 APPROVED AS NOTED _____
 DISAPPROVED _____

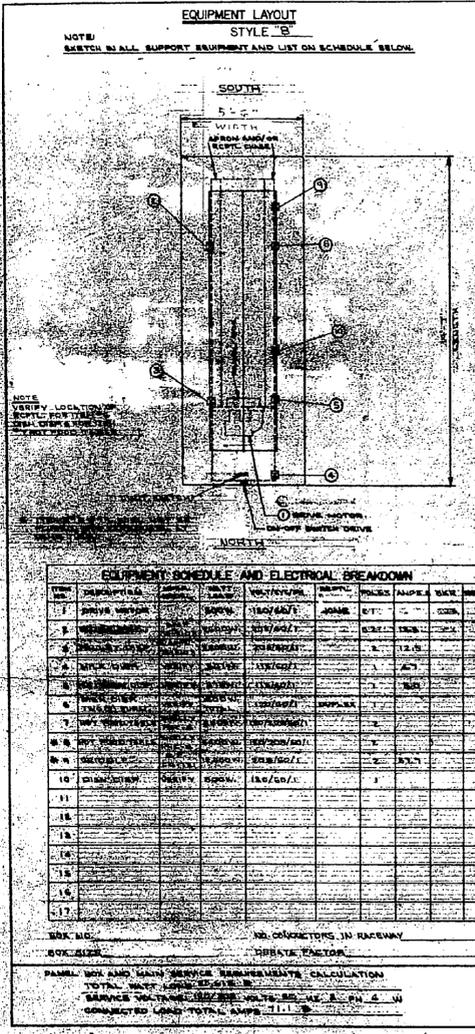
SUBJECT TO THE REQUIREMENTS OF
 CONTRACT NO. NS047007-CV925

APPROVAL OF A SUBMITTAL DOES NOT INCLUDE
 APPROVAL OF ANY PART OF THE CON-
 TRACT REQUIREMENTS. THE CONTRACTOR
 CALLS ATTENTION TO ANY SUPPORTS THE
 DEVIATION. THE CONTRACTOR SHALL BE RE-
 SPONSIBLE FOR THE PROPER PHYSICAL
 DIMENSIONS & WEIGHTS, COORDINATION OF
 TRADES, ETC.

REVIEWER *[Signature]* DATE 4/1/81

FOR OFFICER IN CHARGE OF CONSTRUCTION

*As noted in comparative
 analysis submitted, this
 proposal does not substantially
 comply w/ contract
 requirements.*



ELECTRICAL ROUGH-IN LOCATION

ROUGH-IN THIS SUPPLY

ROUGH-IN THIS SUPPLY

ROUGH-IN THIS SUPPLY

ROUGH-IN THIS SUPPLY

ELECTRICAL RECEPTACLE AT FLOOR OF PROPER CAPACITY AND VOLTAGE. INSTALL WITH OUTLET PLUGS SHOW DIRECTION AND IN COMPLIANCE WITH GOVERNMENT CODE REQUIREMENTS.

DROP CORDS FROM CEILING OF PROPER CAPACITY AND VOLTAGE. INSTALL IN COMPLIANCE WITH GOVERNMENT CODE REQUIREMENTS. APPROXIMATELY 6" ABOVE FINISHED FLOOR.

ELECTRICAL SUPPLY DROP FROM CEILING OF PROPER CAPACITY AND VOLTAGE. PROVIDE SLOPE FITTING AT BOTTOM OF DROP WITH HORIZONTAL RUN TO CONVEYOR. INSTALL AFTER UNIT IS SET IN PLACE.

ELECTRICAL SUPPLY DROP FROM CEILING OF PROPER CAPACITY AND VOLTAGE. PROVIDE SLOPE FITTING AT BOTTOM OF DROP WITH HORIZONTAL RUN TO CONVEYOR. INSTALL AFTER UNIT IS SET IN PLACE.

FABRICATION INFORMATION

1. TRANSMISSION STATION
 COUNTERWEIGHT
 QUARTER COUNTERWEIGHT
 UNIT SWITCH IN CHECKER POSITION

2. TRAY RISE
 12" x 18"
 12" x 24"
 12" x 30"
 12" x 36"
 OTHER

3. CONVEYOR MOUNTING
 STATIONARY UNIT LEG RELATED
 PORTABLE UNIT ON CARTERS

4. DIMENSIONS
 LONGER REMOVED
 STAINLESS STEEL TUBULAR
 STAINLESS STEEL STATIONARY BOLT

5. ELECTRIC SUPPLY REQUIREMENTS
 TYPE CONNECTION REQUIRED
 RECEPTACLE AT FLOOR
 DROP CORD FROM CEILING
 SOLID CONNECTION FROM CEILING
 SOLID CONNECTION FROM FLOOR
 NOTE: SEE PLAN ABOVE FOR ROUGH-IN LOCATION.

6. MAIN SERVICE RATINGS AMPERES
 20 AMP
 30 AMP
 40 AMP
 50 AMP
 100 AMP
 200 AMP
 300 AMP
 OTHER

NOTE: SERVICE GREATER THAN 100 AMP WILL REQUIRE STATIONARY CONVEYOR UNIT.

NOTE: ALL SERVICE MUST BE GROUNDED BACK TO PREFER PANEL.

7. FRONT TOP
 STANDARD UNIT DUAL CONTROL (1-2-3)
 UNIT PROVIDE LONGER STAINLESS STEEL CARTRIDGE BUSH
 FULL SIZE FRONT TOP
 FULL SIZE FRONT TOP DUAL CONTROL

8. ENCLOSURE FINISH MATERIAL
 16 GA. STAINLESS STEEL
 0.9" VINYL CHROME

9. SPECIAL OPTIONS
 HEAT LAMP
 4'-0" HEAT LAMP ONLY
 4'-0" HEAT LAMP W/SHIELD
 4'-0" HEAT LAMP W/LIGHTS ONLY
 4'-0" HEAT LAMP W/SHIELD & LIGHTS
 6'-0" HEAT LAMP ONLY
 6'-0" HEAT LAMP W/SHIELD
 6'-0" HEAT LAMP W/LIGHTS ONLY
 6'-0" HEAT LAMP W/SHIELD & LIGHTS
 NOTE: EXERCISE CAUTION WHEN USING HEAT LAMPS ON MODELS WITH COIL PANEL.

10. FLUORESCENT LIGHT
 48" SINGLE ROW
 48" DOUBLE ROW
 60" SINGLE ROW
 60" DOUBLE ROW

11. WATER QUIK DISCONNECT
 FITTING STATIONARY UNIT
 FITTING PORTABLE UNIT

12. CON'T'D.
 SPECIAL LENGTH UNITS
 LONGER UNIT AT _____ O.A. LENGTH
 SHORTER UNIT AT _____ O.A. LENGTH

13. HOLD DOWN UTILITY SHELF
 RIGHT SIDE CHECKER
 LEFT SIDE CHECKER

14. SPECIAL EXTRAS
 HOOK DOWN CONSTRUCTION
 FOOT OPERATED CHECKER SWITCH
 PLUGGABLE ELECT. SOCKET ITEM CONNECTOR
 SPECIAL CASE MOUNTABLE (BASE PLATE)
 REMARKS:

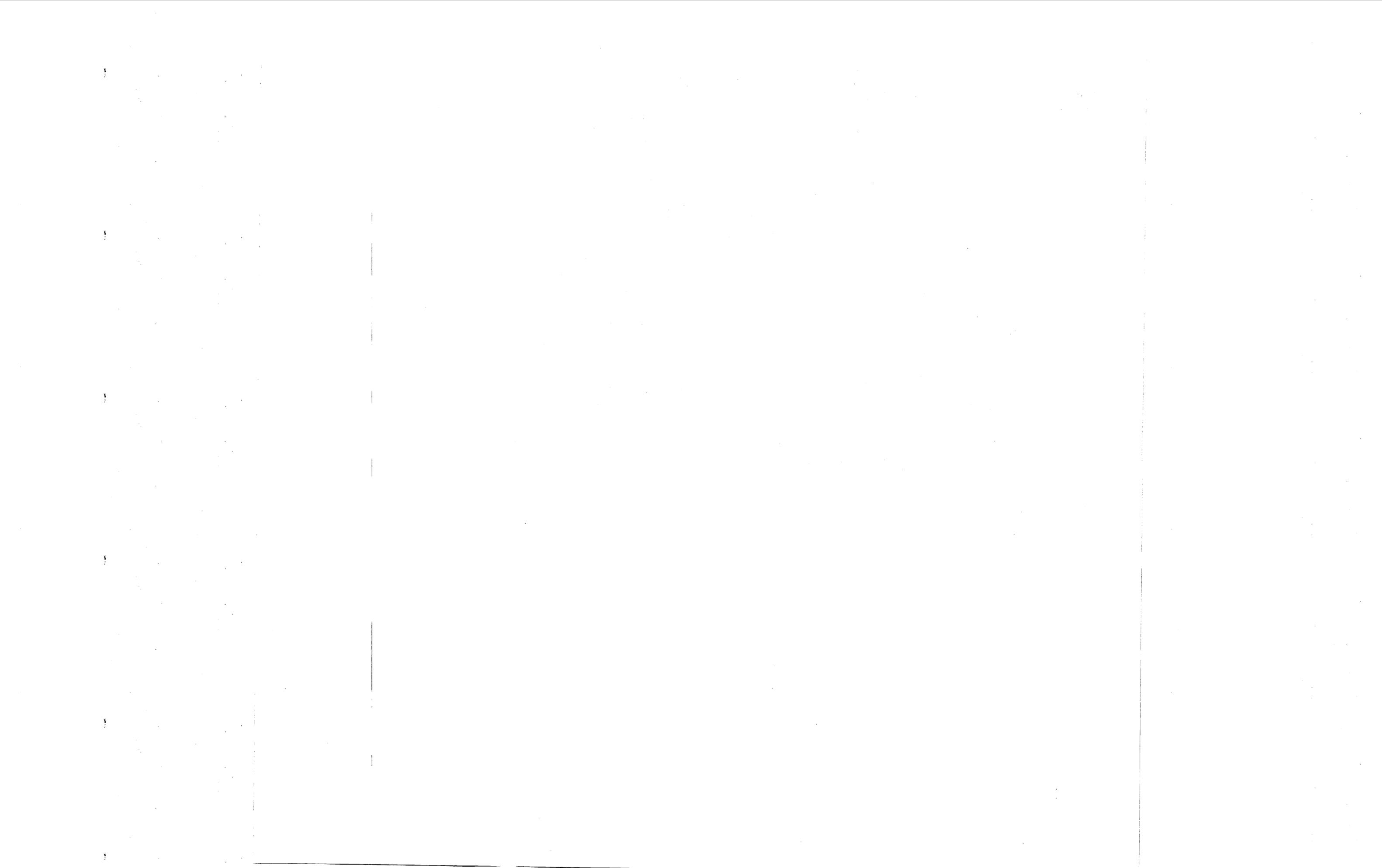
15. BUILDING ENTRY AND FIELD CHECK
 CAN CONVEYOR BE TRANSPORTED TO SPECIFIED LOCATION WITHIN BUILDING?
 BELOW GROUND FLOOR LOCATION
 GROUND FLOOR LOCATION
 FIRST FLOOR LOCATION
 ABOVE FIRST FLOOR LOCATION
 WITH _____" NET SMALLEST DOOR
 WITH _____" NET SMALLEST PASSAGE
 NUMBER OF TURNS IN PASSAGE _____

SPECIAL NOTE: 11-62470-77-0-7820

RECEIVED
MAR 30 1981

GENERAL PRODUCTS
McGraw-Edison Company Division

DATE REVISION
OCT 21 1980



NAVAL AIR STATION
APPROVED
SUBMITTED
SUBJECT TO THE
CONTRACT NO. 12-10-55
APPROVAL OF A
DATE OF
REVISIONS & WEIGHTS COORDINATION OF
REVISIONS
DATE OF
FOR OFFICE IN CHARGE OF CONSTRUCTION



ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NOFOLK, VIRGINIA 23511

APPROVED _____
APPROVED AS NOTED _____
DISAPPROVED _____
SUBJECT TO THE REQUIREMENTS OF
NS247077-C-7525

CONTRACT NO. _____
APPROVAL OF A SUBMITTAL DOES NOT INCLUDE
APPROVAL OF ANY DESIGN BELOW THE CON-
TRACT REQUIREMENTS UNLESS THE CONTRACTOR
CALLS ATTENTION TO ANY DEVIATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF
DEVIATIONS & WEIGHTS. COORDINATION OF
ISSUES, ETC. AS REQUIRED.

REVIEWER: _____ DATE: 4/1/81

IN CHARGE OF CONSTRUCTION

—