



SANDWELL SWAN WOOSTER INCORPORATED

2690 Cumberland Parkway, Suite 300
Atlanta, GA 30339

PURCHASING RECEIVING REPORT

JO

CONTRACT NO.
7641

PURCHASE ORDER NO.
M105

ORDER NO. MUST APPEAR ON INVOICES, PACKAGES & SHIPPING PAPERS

ORDER DATE
11-1-88

REQUISITION NO.
7641-PP-006-02

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O

Krofta Engineering Corp.
c/o P. R. Bradley & Associates
P. O. Box 1579
Roswell, Georgia 30077
Attn: M. R. Aebersold

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Stone Container Corporation
125 Depot Street
Uncasville, Connecticut 06382

SELLER TELEPHONE NO. **404-998-1956**

ALL PURCHASES ARE SUBJECT TO THE CONDITIONS IN ATTACHED APPENDIX "A".

VIA See Below	F.O.B. Jobsite-Uncasville, CT	CASH TERMS See Below
SHIPMENT REQUIRED week of February 20, 1989	DELIVERY PROMISED week of March 20, 1989	DRAWINGS REQ'D.: See Below

ITEM	QUANTITY	DESCRIPTION	PRICE																								
<p style="text-align: center;"><u>This Confirms Our Oral Order of 9/27/88</u></p> <p style="text-align: center;"><u>DO NOT DUPLICATE</u></p> <p>Furnish one (1) Supracell Clarifier Type SPC-24, for clarification of 980 GPM of flat box white water and tray water containing (max) 2000 ppm suspended solids for reuse on machine showers. With these specified conditions, discharge flows will be:</p> <p style="margin-left: 40px;">Clarified Water.....900 gpm Sludge (2% consistency)..... 80 gpm</p> <p>Solids removal efficiency in the TSS range 1000-2000 ppm to be 85%.</p> <p>Dissolved Air Flotation System to be in accordance with Specification 15002, Rev. 2, dated July 7, 1988, General Mechanical Equipment MSP-1, Rev. 1, of July 8, 1988, with equipment as described in Krofta order acceptance 8904 dated October 20, 1988. This contract includes, but is not necessarily limited to, the following:</p> <p><u>General Operation Data</u></p> <table><tr><td>Type (inside diameter in feet).....</td><td>24</td></tr><tr><td>Maximum raw inlet flow (gpm).....</td><td>980</td></tr><tr><td>Maximum solids loading (ppm).....</td><td>2000</td></tr><tr><td>Sludge volume (gpm).....</td><td>80 @ 2.0%</td></tr><tr><td>Sludge solids (dry) (tpd).....</td><td>9.0</td></tr><tr><td>Dissolving tube (No. x type).....</td><td>1 x 1500</td></tr><tr><td>Capacity of pressure pump (gpm/180 ft.) (max.).....</td><td>400</td></tr><tr><td>Operating weight (normal in lbs.).....</td><td>55,000</td></tr><tr><td>Clarifier drive motors (No. x HP).....</td><td>2 x 1.0</td></tr><tr><td>Approximate pumping power (IHP/BHP).....</td><td>40/35</td></tr><tr><td>Max. compressed air (SCFM @ 90 psi)(designed based on 80 psi)</td><td>3.0</td></tr><tr><td>Materials of construction (wetted metal).....</td><td>Type 304L S.S.</td></tr></table>				Type (inside diameter in feet).....	24	Maximum raw inlet flow (gpm).....	980	Maximum solids loading (ppm).....	2000	Sludge volume (gpm).....	80 @ 2.0%	Sludge solids (dry) (tpd).....	9.0	Dissolving tube (No. x type).....	1 x 1500	Capacity of pressure pump (gpm/180 ft.) (max.).....	400	Operating weight (normal in lbs.).....	55,000	Clarifier drive motors (No. x HP).....	2 x 1.0	Approximate pumping power (IHP/BHP).....	40/35	Max. compressed air (SCFM @ 90 psi)(designed based on 80 psi)	3.0	Materials of construction (wetted metal).....	Type 304L S.S.
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IMPORTANT: DOCUMENTS REQUIRED

- (1) ACKNOWLEDGMENT
- (2) SHIPPING NOTICE
- (3) COPY OF BILL OF LADING
- (4) PACKING LIST IN DUPLICATE

TO:
SANDWELL SWAN WOOSTER INCORPORATED
2690 CUMBERLAND PARKWAY
SUITE 300
ATLANTA, GEORGIA 30339

- (1) INVOICE IN TRIPLICATE
- (2) PACKING LIST
- (3) BILL OF LADING
- (4) FRT. BILL IF CHARGED ON INV.

TO:
SEE SHIPPING AND INVOICING
INSTRUCTIONS ATTACHED IF
NOT SPECIFIED IN BODY OF ORDER

SHOW ORDER NO. ON ALL PAPERS

PLEASE ACKNOWLEDGE WITHIN 10 DAYS
SANDWELL SWAN WOOSTER INCORPORATED
(Buyer)



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CLARIFIER DESCRIPTION

Tank fitting to be modified to allow for piping clearance of 24 inches from floor to SUPRACELL support bottom.

The SPC 24 Clarifier shall be prefabricated and tested for mechanical operation before disassembly and shipment in pieces. The parts to be assembled on-site without welding. The main flotation tank will be made in five (5) sections. The bottom of the tank is reinforced with steel ribbing sufficient to support the tank on legs or cross member with approximately 8 to 9 foot spans. Support ridge on Clarifier to be modified with fittings to allow owner installation of a walkway from the outside edge to near the center for maintenance.

Included with the Clarifier are the Reliance VS variable speed drive motors (DC type 110 volt, 1 phase with control box and converter for 115 or 230 volt, single phase AC supply), rotary electrical contact and mechanically operated level control weir built into the center of the Clarifier. The pressure release mechanism in the SUPRACELL inlet manifold controls the flotation bubble formation, eliminating the external pressure valve.

AIR ABSORPTION SYSTEM

One (1) Dissolving Tube, Type 1500 to be provided for 400 gpm flow. Recycled clarified water will be used for air dissolving at a rate of approximately 40% of the raw incoming flow.

Accessories included for this system are two (2) 4½ inch pressure gauges with isolation diaphragm, three (3) air meters with needle valves and three (3) check valves.

MATERIALS OF CONSTRUCTION

All normal wetted parts of Clarified and Dissolving Tube will be Type 304L stainless steel.

Non-wetted metal parts, such as outside tank rim, flanges, tank supports will be of mild steel, sandblast cleaned to SSPC SP-6; zinc primer 3.0 mils DFT Porter coating 308 or equivalent; finish high build epoxy semigloss Porter MCR-43 Color 5145W Basic Green or equivalent, 6 mils. Wiper blades of neoprene, miscellaneous bearings of UHMWPE. Air fittings of brass.

PERFORMANCE GUARANTEE

The SPC 24 SUPRACELL CLARIFIER will clarify 900 gpm of white water output, removing 85% of the total suspended solids, provided the above flow and

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solids loading are not exceeded, the unit is installed and operated according to Krofta instructions and adequate chemical flocculants are used.

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MATERIAL IDENTIFICATION

Mark and Tag:	DAF Skimmer:	<u>50-42-1384 Skimmer</u>
	DAF Tank:	<u>50-90-1384 Tank</u>
	One Motor:	<u>50-60-1384 Motor #1; M-432</u>
	One Motor:	<u>50-60-2384 Motor #2; M-433</u>
	One Reducer:	<u>50-80-1384 Reducer #1</u>
	One Reducer:	<u>50-80-2384 Reducer #2</u>
	Spare Motor:	<u>Spare M-434</u>
	Spare Reducer:	<u>Spare for 50-80-1384 and 2384</u>

DRAWING AND O&M MANUAL SUBMITTAL REQUIREMENTS

Drawings for approval and loads:	10/21/88
Certified Drawings:	11/18/88
Operating and Maintenance Manuals:	1/20/89

TERMS AND CONDITIONS

Terms and Conditions shall be per attached Appendix "A", Form SSW-16-1 and Field Service Terms and Conditions, Appendix "FS", Form SSW-17-A.

Warranty shall be for one (1) year from acceptable operation, but not to exceed October 1, 1990.

FIELD SERVICE

Before starting any field work covered by this order, you are to furnish a certificate showing your coverage of Public Liability, Property Damage, and Workmen's Compensation Insurance. Minimum coverage limits to be in accordance with "Insurance Requirements for Field Services" SSW-40-1-A. Please send the certificate to our Atlanta, Georgia office to the attention of the Purchasing Department.

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