

**Commonwealth of Virginia
Department of Agriculture and Consumer Services**

SPECIFICATIONS FOR:

**SEAFOOD PACKING FACILITY & INSPECTIONS
OFFICE, EASTERN SHORE FARMERS' MARKET,
MELFA, VIRGINIA**

BCOM Code 301-17235 & 301-17076

VOLUME ONE

February 24, 2010



**STRIFFLER ENGINEERING ASSOC., P.C.
621 Nevan Rd., Suite 203
Virginia Beach, VA 23451
(757) 422-5088; Fax (757) 422-5043**

**Commonwealth of Virginia
Department of Agriculture and Consumer Services**

SPECIFICATIONS FOR:

**SEAFOOD PACKING FACILITY & INSPECTIONS
OFFICE, EASTERN SHORE FARMERS' MARKET,
MELFA, VIRGINIA**

BCOM Code 301-17235 & 301-17076

VOLUME TWO

February 24, 2010



**STRIFFLER ENGINEERING ASSOC., P.C.
621 Nevan Rd., Suite 203
Virginia Beach, VA 23451
(757) 422-5088; Fax (757) 422-5043**

TABLE OF CONTENTS

	<u>Page Number</u>
INVITATION TO BIDS COVER (DGS-30-248)	1 Page
INVITATION TO BID	1-2
INSTRUCTIONS TO BIDDERS (DGS-30-055)	1-9
PRE-BID QUESTION FORM (DGS-30-272)	1-1
BID FORM (DGS-30-220)	1-5
GENERAL CONDITIONS (DGS-30-054)	1-49
SUPPLEMENTAL GENERAL CONDITIONS	1-3
SPECIAL CONDITIONS	SC1-SC2
INDEX OF DRAWINGS	1-2
CONTRACT BETWEEN OWNER AND CONTRACTOR (DGS-30-064)	1-3
WORKERS' COMPENSATION CERTIFICATE OF COVERAGE	1 Page
STANDARD PERFORMANCE BOND (DGS-30-084)	1-5
STANDARD LABOR AND MATERIAL PAYMENT BOND (DGS-30-088)	1-3
STANDARD BID BOND	1-5
CHANGE ORDER LOG	1 Page
CONTRACT CHANGE ORDER (DGS-30-092)	1-3
CHANGE ORDER JUSTIFICATION (DGS-30-96)	1-3
SCHEDULE OF VALUES AND CERTIFICATE FOR PAYMENT (DGS-30-104)	1-5
AFFIDAVIT OF PAYMENT OF CLAIMS (DGS-30-108)	1 Page
CERTIFICATE OF COMPLETION BY ARCHITECT/ENGINEER OR PROJECT MANAGER (DGS-30-112)	1 Page
ARCHITECT/ENGINEERS CERTIFICATE OF SUBSTANTIAL COMPLETION (DGS-30-116)	1 Page
CERTIFICATE OF COMPLETION BY CONTRACTOR (DGS-30-136)	1 Page
CERTIFICATE OF PARTIAL OR SUBSTANTIAL COMPLETION BY CONTRACTOR (DGS-30-140)	1 Page
OPINION OF CONTRACTOR PERFORMANCE (DGS-30-164)	1-4
EXAMPLE OF SUBMITTAL REGISTER FORM	1 Page

TECHNICAL SPECIFICATIONS

DIVISION 1 – GENERAL REQUIREMENTS

Section 01010	Summary of Work	01010-1 – 01010-2
Section 01026	Unit Prices	01026-1 – 01026-2
Section 01027	Applications for Payment	01027-1 – 01027-4
Section 01040	Project Coordination	01040-1 – 01040-4
Section 01045	Cutting and Patching	01045-1 – 01045-4
Section 01050	Field Engineering	01050-1 – 01050-2
Section 01090	Definitions and Standards	01090-1 – 01090-4
Section 01200	Project Meetings	01200-1 – 01200-4
Section 01300	Submittals	01300-1 – 01300-8
Section 01400	Quality Control Services	01400-1 – 01400-4

VIRGINIA DEPT OF AGRICULTURE AND CONSUMER SERVICES
 EASTERN SHORE SEAFOOD AND OFFICE FACILITIES
 MELFA, VIRGINIA
 BCOM Code 301-17235 & 301-17076

Section 01500	Temporary Facilities	01500-1 – 01500-10
Section 01631	Product Substitution	01631-1 -01631-4
Section 01700	Project Closeout	01700-1 – 01700-6
Section 01740	Warranties and Bonds	01740-1 -01740-4
Section 01815	Commissioning of HVAC	01815-1 – 01815-5

DIVISION 2 – SITE CONSTRUCTION

Section 02230	Site Clearing	02230-1 – 02230-5
Section 02240	Dewatering	02240-1 - 02240-4
Section 02300	Earthwork	02300-1 – 02300-1
Section 02510	Water Distribution	02510-1 -02510-14
Section 02530	Sanitary Sewerage	02530-1- 02530-12
Section 02532	Sewage Pumping Station	02532-1 - 02532-6
Section 02540	Septic Tank System	02540-1 – 02540-6
Section 02630	Storm Drainage	02630-1 – 02630-9
Section 02741	Asphalt Paving	02741-1 – 02741-7
Section 02751	Cement Concrete Pavement	02751-1 -02751-13
Section 02764	Pavement Joint Sealants	02764-1 – 02764-5
Section 02920	Lawns and Grasses	02920-1 – 02920-8

DIVISION 3 – CONCRETE

Section 03300	Cast-In-Place Concrete	03300-1 – 03300-10
---------------	------------------------	--------------------

DIVISION 4 – MASONRY

Section 04200	Unit Masonry	04200-1 – 04200-14
---------------	--------------	--------------------

DIVISION 5 – METALS

Section 05120	Structural Steel	05120-1 – 05120-8
Section 05400	Cold-Formed Steel Framing	05400-1 – 05400-4
Section 05500	Metal Fabrications	05500-1 – 05500-10

DIVISION 6 – WOOD AND PLASTICS

Section 06100	Rough Carpentry	06100-1 – 06100-6
Section 06400	Architectural Woodwork	06400-1 – 06400-8
Section 06410	Custom Wood Cabinets	06410-1 – 06410-6
Section 06415	Countertops	06415-1 – 06415-4
Section 06610	Fiberglass Reinforced Plastic (FRP) Panels	06610-1 – 06610-4

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

Section 07200	Insulation	07200-1 – 07200-4
Section 07214	Foam-In-Place Masonry Wall Insulation	07214-1 – 07214-4
Section 07230	Low Temperature, Underslab Insulation	07230-1 – 07230-4
Section 07412	Manufactured Metal Wall Panels	07412-1 – 07412-4
Section 07470	Cold Storage Panels	07470-1 – 07470-6
Section 07720	Roof Accessories	07720-1 – 07720-4
Section 07840	Firestopping	07840-1 – 07840-4
Section 07900	Joint Sealers	07900-1 – 07900-8

DIVISION 8 – DOORS AND WINDOWS

Section 08110	Steel Doors and Frames	08110-1 – 08110-4
Section 08210	Wood Doors	08210-1 – 08210-6
Section 08320	Metal Clad Cold Storage Doors	08320-1 – 08320-4
Section 08334	Coiling Counter Doors	08334-1 -08334-2
Section 08360	Sectional Overhead Doors	08360-1 – 08360-6
Section 08385	Traffic Doors	08385-1 – 08385-4
Section 08410	Aluminum Entrances and Storefronts	08410-1 – 08410-6
Section 08520	Aluminum Windows	08520-1 – 08520-8
Section 08710	Finish Hardware	08710-1 – 08710-12
Section 08800	Glass and Glazing	08800-1 – 08800-10

DIVISION 9 – FINISHES

Section 09250	Gypsum Drywall	09250-1 – 09250-12
Section 09650	Resilient Flooring	09650-1 – 09650-6
Section 09685	Carpet Tile	09685-1 – 09685-4
Section 09900	Painting	09900-1 – 09900-10

DIVISION 10 – SPECIALTIES

Section 10100	Visual Display Boards	10100-1 – 10100-4
Section 10170	Plastic Toilet Compartments	10170-1 – 10170-4
Section 10200	Louvers and Vents	10200-1 – 10200-6
Section 10523	Fire Extinguishers, Cabinets and Accessories	10523-1 – 10523-4
Section 10800	Toilet and Bath Accessories	10800-1 – 10800-4
Section 10830	Mirror Units	10830-1 – 10830-2

DIVISION 11 – EQUIPMENT

Section 11131	Projection Screens	11131-1 – 11131-4
Section 11160	Loading Dock Equipment	11160-1 – 11160-2

DIVISION 12 –FURNISHINGS

Section 12345	Laboratory Casework and Fixtures	12345-1 – 12345-12
---------------	----------------------------------	--------------------

DIVISION 13 – SPECIAL CONSTRUCTION

Section 13120	Pre-Engineered Buildings	13120-1 – 13120-14
Section 13450	Facility Ground Potable-Water Storage Tanks	13450-1 – 13450-6
Section 13853	Fire Alarm System	13853-1 – 13853-4
Section 13922	Diesel-Drive, Centrifugal Fire Pumps	13922-1 – 13922-9
Section 13928	Pressure-Maintenance Pumps	13928-1 - 13928-4
Section 13929	Controllers for Fire-Pump Drivers	13929-1 –13929-8
Section 13930	Wet-Pipe Fire-Suppression Sprinklers	13930-1 - 13930-18
Section 13935	Dry-Pipe Fire-Suppression Sprinklers	13935-1- 13935-19

DIVISION 15 – MECHANICAL

Section 15010	Basic Mechanical Requirements	15010-1 - 15010-2
Section 15140	Supports and Anchors	15140-1 - 15140-7
Section 15183	Refrigerant Piping	15183-1- 15183-13
Section 15190	Mechanical Identification	15190-1- 15190-4
Section 15245	Vibration Isolation	15245-1-15245-2
Section 15260	Piping Isolation	15260-1 – 15260-5
Section 15290	Ductwork Insulation	15290-1 – 15290-4
Section 15410	Plumbing Piping	15410-1 – 15410-9
Section 15420	Plumbing Equipment	15420-1 – 15420-3
Section 15430	Plumbing Specialties	15430-1 – 15430-3
Section 15440	Plumbing Fixtures	15440-1 – 15440-5
Section 15471	Water Filtration Equipment	15471-1 – 15471-4
Section 15663	Evaporative Condensers	15663-1 – 15663-9
Section 15672	Refrigeration Equipment for Cold Storage	15672-1 – 15672-6
Section 15738	Split-System Air-Conditioning Units	15738-1 – 15738-6
Section 15762	Unit Heaters	15762-1 – 15762-6
Section 15774	Radiant-Heating Electric Cables	15774-1 – 15774-5
Section 15778	Heat Tracing for Plumbing Piping	15778-1 – 15778-4
Section 15870	Power Ventilation	15870-1 – 15870-4
Section 15890	Ductwork	15890-1 - 15890-5
Section 15910	Ductwork Accessories	15910-1 – 15910-4
Section 15940	Air Outlets and Inlets	15940-1 – 15940-4
Section 15976	DDC Controls	15976-1-15976-29
Section 15990	Testing, Adjusting, and Balancing	15990-1 – 15990-8

VIRGINIA DEPT OF AGRICULTURE AND CONSUMER SERVICES
EASTERN SHORE SEAFOOD AND OFFICE FACILITIES
MELFA, VIRGINIA
BCOM Code 301-17235 & 301-17076

DIVISION 16 – ELECTRICAL

Section 16010	Basic Electrical Requirements	16010-1 – 16010-6
Section 16011	Product Requirements	16011-1 – 16011-5
Section 16012	Substitution Procedure	16012-1 – 16012-4
Section 16060	Grounding and Bounding	16060-1 – 16060-7
Section 16073	Hangars and Supports for Electrical Systems	16073-1 – 16073-6
Section 16075	Electrical Identification	16075-1 – 16075-9
Section 16120	Conductors and Cables	16120-1 – 16120-7
Section 16130	Raceways and Boxes	16130-1 – 16130-10
Section 16140	Wiring Devices	16140-1 – 16140-4
Section 16145	Lighting Control Devices	16145-1 – 16145-4
Section 16410	Enclosed Switches and Circuit Breakers	16410-1 – 16410-8
Section 16442	Panel boards	16442-1-16442-10
Section 16511	Interior Lighting	16511-1-16511-11
Section 16521	Exterior Lighting	16521-1 – 16521-8
Section 16714	Communications Equipment Room Fittings	16714-1 – 16714-4
Section 16726	Public Address and Mass Notifications Systems	16726-1-16726-14

APPENDIX A

Report of Geotechnical Exploration