



Pêches et Océans
Canada

Fisheries and Oceans
Canada

PROJECT SPECIFICATIONS

Paramount Building 25 -

Supply and Install Pallet Racking

Fisheries and Oceans Canada

Small Craft Harbours – Pacific Region

January 2024

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Section 00 01 15 – DRAWINGS LIST

Architectural Set

DRAWINGS	TITLE
A0.00	COVER SHEET, DRAWING LIST, GENERAL NOTES, ASSEMBLIES, SCHEDULES, & ABBREVIATIONS
A1.01	SITE PLAN
A2.01	MAIN FLOOR PLAN
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A4.01	NORTH AND WEST ELEVATIONS
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END OF SECTION

Section 01 11 00 – SUMMARY OF WORK

Part 1 General

1.1 Definitions

- .1 **Contractor:** The party accepted by the Owner with whom a formal contract is entered to complete the work of this project.
- .2 **Departmental Representative/Engineer:** Employee(s) that represents the Owner who act as the Engineer and Project Authority for the project.
- .3 **Harbour Authority:** Steveston Harbour Authority who manages the day to day operation and maintenance of the Steveston Harbour.
- .4 **Owner:** Small Craft Harbours Program of the Department of Fisheries and Oceans, 200-401 Burrard Street Vancouver B.C. V6C 3S4.

1.2 Background

- .1 Small Craft Harbours (SCH) requires fully assembled engineered adjustable steel pallet rack for a new building, Building 25, in Steveston Paramount Site (12740 Trites Road, Richmond, BC.).
- .2 The engineered steel pallet rack anchored into reinforced concrete slab shall hold up to 1000 loaded pallets with 10 loaded pallets per bay over 6 aisles as per the Architectural Drawing.

1.3 Contract work

- .1 Contractor shall provide all supervision, labour, materials, supplies, tools, equipment, transportation, quality control, health and safety practices, environmental protection, and all other necessary services for the proper and complete execution of the work.
- .2 The work consists but not limited to the engineering, supply, deliver, off-load and complete installation of pallet racking and shelving system as per Architectural Drawings and below Pallet Racking Requirements.
- .3 The completed racking installation must laid out as detailed in the Architectural drawings.
- .4 All Pallet racking and shelving systems offered must comply with Canadian Standards Association (CSA) codes pertaining to steel.

1.4 Timeframe

- .1 The foundation and the building is currently being constructed by Others. Estimate timeline for the site to be ready for this contract work is June/July 2024.
- .2 Complete installation is required by October 31st, 2024. Completion date will be pushed accordingly to any delays caused by Others.



1.5 Engineering Requirements

- .1 Engineering
 - .1 Stamped sealed shop or structural drawings by Professional Engineer accredited Engineer Geoscientist British Columbia.
 - .2 Schedule C-B submittal required
- .2 Loading
 - .1 Max unit load 650 lbs
 - .2 Max level load 1,300 lbs
 - .3 Max load per bay 5,200 lbs
- .3 Design Criteria
 - .1 All structural work designed to be in accordance to the latest National Building Code and CSA A344.2-05 STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORAGE RACKS.
 - .2 Geotechnical Criteria: Site Class E provided structures with a fundamental period of vibration equal or less than 0.5 seconds.

1.6 Pallet Racks Requirement

- .1 General
 - .1 All material supply shall be new and good condition.
 - .2 Type: Single selective adjustable pallet racking.
- .2 Frame Requirement
 - .1 192" frame height; pallet load is expected to be loaded on the top shelf
 - .2 48" deep
 - .3 Adjustable level with approximate 2" increments
 - .4 Corrosion resistant (indoor use)
- .3 Racking Layout
 - .1 Total of 6 aisles. Each aisle has 9 bays of pallet rack on each side except for one aisle that has 5 bays of pallet rack on each side.
 - .2 Each aisle must be keep at 12.5 ft clearance as per the Architectural Drawing.
 - .3 Maintain egress clearance as per the Architectural Drawing.
- .4 Horizontal Beam
 - .1 Beam length 9'
 - .2 Each bay must be labelled maximum capacity for the shelf
 - .3 Box beam type
 - .4 4 levels per bay (8 beams per bay)
 - .5 All beams shall be profiled with minimum 14 gauge steel.
- .5 Baseplate and anchoring hardware as required
- .6 Accessories
 - .1 Row spacers at every two levels, 9" long for back to back pallet racks
 - .2 Water fall Wire Decking carry with required flared channel support for all levels.



- .3 Bolted bullnose deflector 12” heigh for every post
- .7 Corrosion Resistance
 - .1 All hardware (bolts, nuts, washers) shall be hot dipped galvanized.
 - .2 All other steel that makes up the pallet rack shall have powder coated finish.
- 1.7 Work Exclusion**
 - .1 Concrete slab
 - .2 Building supply and install.
 - .3 Chain link fence
 - .4 Analysis of fire protection requirements
 - .5 Building permit
- Part 2 Product**
 - 2.1 Not Used**
- Part 3 Execution**
 - 3.1 Not Used**

END OF SECTION



Section 01 13 00 – GENERAL INSTRUCTIONS

Part 1 General

1.1 Notification

- .1 The Contractor shall provide the Departmental Representative minimum 2 week written notice prior to mobilization to site.

1.2 Hours Of Work

- .1 Normal work hours are between 0700 hrs to 1700 hrs Monday through Friday not including statutory holidays.
- .2 Contractor may request to work outside the above-mentioned normal work hours. Submit written request to Departmental Representative to work outside of the normal work hours a minimum of forty (48) hours in advance.

1.3 Work Schedule

- .1 The Contractor shall work whatever shifts while abiding to the noise-by-law required in order to ensure the work meets regulatory windows and is completed by the completion date of the contract.
- .2 The Contractor must provide construction schedule showing anticipating progress stages and final completion of the Work. Update schedule as needed and forward to Departmental Representative.

1.4 Measurement and Payment

- .1 Before submitting first progress claim, submit breakdown of Contract price in detail aggregating contract price. After approval by Departmental Representative, cost breakdown will be used as basis of progress payment.
- .2 Cost breakdown details shall show at least the following:
 - .1 Engineering Requirements
 - .2 Fabricate, supply and delivery of the steel pallet racks
 - .3 Installation onsite
- .3 Payment will be based on contracted goods, services and deliverables received.

1.5 Health And Safety

- .1 Specified in Section 01 35 29.06

1.6 Environmental Procedures

- .1 Specified in Section 01 35 43

1.7 Regulatory Requirement



- .1 The Contractor must, at his own expense, procure all permits, certificates and licenses required by law for the execution of work under this contract.
- .2 The Contractor shall comply with all Federal, Provincial or Municipal laws, ordinances or rules and regulations relating to the performance of his work and in force during the duration of this contract.
- .3 The Contractor is required to give all required notices, comply with all local, municipal, provincial, and federal laws, ordinances, codes, by-laws, rules and regulations relating to the work.
- .4 All work to be done in accordance with Work Safe BC regulations.
- .5 The Contractor shall comply with Federal and Provincial laws, orders and regulations concerning the control and abatement of water and air pollution.

1.8 Execution Requirements

- .1 The Contractor's representative on site shall be completely familiar with the method of work to be employed. Such personnel shall remain on site for the duration of the work.
- .2 The Contractor shall protect all finished work from injury, defacement, unauthorized entry, or trespass until such time as the work described in the contract documents is substantially complete.
- .3 The site shall be left in a safe condition at the completion of each work day.

1.9 Inspection

- .1 Allow Departmental Representative access to the Work. If part of the Work is in preparation at locations other than Place of Work, allow access to such Work whenever it is in progress.
- .2 Departmental Representative will order part of Work to be examined if Work is suspected to be not in accordance with Contract Documents.

1.10 Site Access

- .1 General site access shall be coordinated with the Owner.
- .2 The Contractor shall maintain routes of travel, with the Owner being the sole judge as to what may be deemed reasonable.

1.11 Construction Area

- .1 The Contractor shall not enter on nor occupy with men, tools, equipment or material, any ground outside the property of the Harbour Authority without the written consent of the party owning such ground.

1.12 Protection Of Existing Structures

- .1 Existing structures, adjacent marine facilities, roads, services, piping or equipment within the work area which are not to be replaced shall be properly protected from any injury or damage, direct or indirect.



- .2 Any damage that is caused as a result of the operations of the Contractor shall be repaired and made good at the Contractor's expense to the satisfaction of the Engineer.

1.13 Temporary Services

- .1 Contractor shall make his own arrangements for supply of water and electricity onsite.
- .2 The Contractor shall supply for his own use; sanitary, first aid, and all other temporary services and facilities required for the work.

1.14 Record Drawings

- .1 The Contractor shall mark up one set of plans with any changes or amendments implemented during the Contract. These plans shall be submitted to the Departmental Representative before the Final Certificate of completion is issued.

Part 2 Products

2.1 Not Used

Part 3 Execution

3.1 Not Used

END OF SECTION



Section 01 35 29.06 – HEALTH & SAFETY REQUIREMENTS

Part 1 General

1.1 Description

- .1 Health and safety considerations are required to ensure that the Contractor shows and exercise due diligence towards health and safety on construction sites.

1.2 Measurement And Payment

- .1 Health and Safety Requirements are considered incidental to the work and will not be measured separately. No separate payment will be made under this Section.

1.3 References

- .1 Government of Canada:
 - .1 Canada Labour Code – Part II
 - .2 Canada Occupational Health and Safety Regulations.
- .2 National Building Code of Canada (NBC):
 - .1 Part 8, Safety Measures at Construction and Demolition Sites.
- .3 Canada Standards Association (CSA):
 - .1 CSA S269, Falsework for Construction Purposes.
 - .2 CSA S269.2, Access Scaffolding for Construction Purposes.
 - .3 CSA-S350, Code of Practice for Safety in Demolition of Structures.
 - .4 CSA Z462 – Workplace Electrical Safety Standard.
- .4 American National Standards Institute (ANSI):
 - .1 ANSI A10.3, Operations – Safety Requirements for Powder-Actuated Fastening Systems.
- .5 Province of British Columbia:
 - .1 Workers Compensation Act. Part 3 Occupational Health and Safety.
 - .2 Occupational Health and Safety Regulation
- .6 Health Canada/Workplace Hazardous Materials Information System (WHMIS): Material Safety Data Sheets (MSDS).

1.4 Workers Compensation Board Coverage

- .1 Comply fully with the Workers' Compensation Act, regulations and orders made pursuant thereto, and any amendments up to the completion of the work.
- .2 Maintain Workers' Compensation Board coverage during the term of the Contract, until and including the date that the Certificate of Final Completion is issued.



1.5 Compliance With Regulations

- .1 The Owner may terminate the Contract without liability to the Owner where Contractor, in the opinion of the Owner, refuses to comply with a requirement of the Workers' Compensation Act or the Occupational Health and Safety Regulations.
- .2 It is Contractor's responsibility to ensure that all workers are qualified, competent and certified to perform the work as required by the Workers' Compensation Act or the Occupational Health and Safety Regulations.

1.6 Submittals

- .1 Submit site-specific Health and Safety Plan: Within 14 days after date of Notice to Proceed and prior to commencement of Work. Health and Safety Plan must include:
 - .1 Results of site specific safety hazard assessment.
 - .2 Results of safety and health risk or hazard analysis for site tasks and operation found in work plan.
 - .3 Risk Management and Safety Procedure for possible events including but not limited to storm, fire, and fall.
 - .4 WHMIS MSDS - Material Safety Data Sheets if requested.
 - .5 On-site Contingency and Emergency Response Plan: address standard operating procedures to be implemented during emergency situations
- .2 The Departmental Representative review of Contractor's final Health and Safety plan should not be construed as approval and does not reduce the Contractor's overall responsibility for construction Health and Safety.
- .3 Submit copies of incident and accident reports to Department Representative whenever an unforeseen incident and/or accident occurred.

1.7 Responsibility

- .1 Assume responsibility as the Prime (General) Contractor under this Contract.
- .2 Be responsible for health and safety of persons on site, safety of property on site and for protection of persons adjacent to site and environment to extent that they may be affected by conduct of Work.
- .3 Comply with and enforce compliance by employees with safety requirements of contract documents, applicable federal, provincial, territorial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.
- .4 Report all safety and environmental incident to the Department Representative as soon as it happened.

1.8 Regulatory Requirements

- .1 Comply with specified codes, acts, bylaws, standards and regulations to ensure safe operations at the Contractor's Work Site.
- .2 In event of conflict between any provision of the above authorities, the most stringent provision will apply. Should a dispute arise in determining the most stringent



requirement, Departmental Representatives will advise on the course of action to be followed.

1.9 Filing Of Notice

- .1 File Notice of Project with Provincial authorities prior to beginning of Work.
- .2 Provide copies of all notices to Departmental Representative.

1.10 Safety Assessment

- .1 Perform site specific safety hazard assessment related to project.
- .2 Develop written site-specific Health and Safety Plan based on hazard assessment prior to beginning site Work and continue to implement, maintain, and enforce plan until final demobilization from site.
- .3 Schedule and administer Health and Safety meeting prior to commencement of Work.

1.11 Electrical Safety Requirements

- .1 Maintain electrical safety procedures and take necessary precautions to ensure safety of all personnel working under this Contract, as well as safety of other personnel on site.

1.12 Fire Protection

- .1 Do not use fire hydrants, stand pipes and hose systems for any purposes other than firefighting.

1.13 Unforeseen Hazards

- .1 When unforeseen or peculiar safety-related factor, hazard, or condition occur during performance of Work, follow procedures in place for Employee's Right to Refuse Work in accordance with Acts and Regulations of Province having jurisdiction and advise Engineer verbally and in writing.

1.14 Posting Of Documents

- .1 Ensure applicable items, articles, notices and orders are posted in conspicuous location on site in accordance with Acts and Regulations of Province having jurisdiction, and in consultation with Engineer.

1.15 Correction Of Non-Compliance

- .1 Immediately address health and safety non-compliance issues identified by authority having jurisdiction or by the Engineer.
- .2 Provide the Engineer with written report of action taken to correct non-compliance of health and safety issues identified.
- .3 The Engineer may stop Work if non-compliance of health and safety regulations is not corrected.



- Part 2** **Products**
- 2.1** **NOT USED**

- Part 3** **Execution**
- 3.1** **NOT USED**

END OF SECTION



Section 01 35 43 – ENVIRONMENTAL PROCEDURES

Part 1 General

1.1 Description

- .1 This Section describes environmental procedures that are required for the Contract. Contractor shall be responsible for adhering to these special procedures while completing all work under this Contract.
- .2 Contractor is responsible for environmental protection during all construction activities at all locations it performs work.

1.2 Measurement And Payment

- .1 Environmental Procedures are considered incidental to the work and will not be measured separately. No separate payment will be made under this Section.

1.3 Environmental Responsibility

- .1 Contractor shall demonstrate in the performance of the work that it is environmentally responsible by complying with environmental legislation, regulations, and authorizations.
- .2 Follow all Departmental Representative instructions and policies, practices, and procedures established by Departmental Representative with respect to the environment that are communicated by Departmental Representative to Contractor from time to time.
- .3 Take all reasonable and necessary measures in the performance of the work to avoid causing negative impacts to the environment. Where negative impacts occur, Contractor shall immediately advise Departmental Representative and shall be solely liable to undertake all reasonable and necessary measures to minimize the effect of such negative impacts and restoring the site to pre-impact conditions.
- .4 Maintain key pollution control systems in working condition throughout the project and undertake all works such that there are no unauthorized discharges of liquids or solids to the marine environment.
- .5 Maintain a neat work area free of unnecessary debris, tools, equipment, or materials; dispose of sewage, refuse, and chemical wastes in compliance with the Best Management Practices and applicable federal, provincial, and municipal or local legislation, regulations, or laws; and remove all tools, equipment, supplies, and wastes from the site upon completion of the work.
- .6 Ensure that workers and supervisory staff are knowledgeable with the provisions of the proposed Spill Emergency Response Plan and are adequately trained to implement the measures contained therein.



1.4 Spill Or Release Of Deleterious Substances

- .1 Contractor shall immediately contain and assess the spill, provide appropriate notifications, and take the necessary steps to prevent further discharge. Contractor is responsible for immediate cleanup of the spill and restoration of the area to the satisfaction of Departmental Representative and other regulatory agencies, where involved.
- .2 All workers shall be fully aware of the spill prevention and response procedures including notification of Departmental Representative.
- .3 Departmental Representative shall be immediately informed of all spills that occur at the Work Site.
- .4 Spill kits will be kept at the Work Site at all times.
- .5 Any equipment remaining on site overnight shall have appropriately placed drip pans or other spill/leak containment measures.
- .6 Do not refuel any type of equipment within 100m of a waterbody.
- .7 Maintain equipment in good working condition with no fluid leaks, loose hoses or fittings.
- .8 All heavy construction equipment shall be free of leaks and cleaned prior to construction. The Contractor shall have absorbent pads on site in case of any oil leaks or contaminants entering the water.

1.5 Drainage

- .1 Do not pump water containing suspended materials into waterways, sewer or drainage systems.

1.6 Notification

- .1 The Departmental Representative will notify Contractor of observed noncompliance with Federal, Provincial or Municipal environmental laws or regulations, permits, and other elements of Contractor's Environmental Protection plan.
- .2 The Contractor shall inform the Engineer of proposed corrective action after receipt of such notice, and take such action for approval by the Engineer.
- .3 Departmental Representative will issue stop order of work until satisfactory corrective action has been taken.

1.7 Waste Management And Disposal Requirements

- .1 All replaced items, cut-offs and waste material shall be disposed by Contractor in strict accordance to with provincial, local and municipal regulations and Part 8 of the National Building Code and Canadian Construction Safety Code.
- .2 Do not bury rubbish or any waste material.
- .3 Do not dispose of waste into waterways, storm, or sanitary sewers.



- Part 2** **Products**
- 2.1** **NOT USED**

- Part 3** **Execution**
- 3.1** **NOT USED**

END OF SECTION

