

PART 1 - GENERAL

1.1 WORK COVERED BY CONTRACT DOCUMENTS .1 Work of this Contract comprises the design, supply and installation of a new 4 Post Vehicle Hoist, located at St. Anthony Airport, St. Anthony, NL. Work also includes the dismantle and removal of the existing 4 Post Vehicle Hoist.

1.2 CONTRACT METHOD .1 Construct Work under stipulated price contract.

1.3 WORK SEQUENCE

.1 Construct Work in stages to accommodate Owner's continued use of premises during construction.

.2 Co-ordinate Progress Schedule and co-ordinate with Owner Occupancy during construction.

.3 Maintain fire access/control.

1.4 CONTRACTOR USE OF PREMISES

.1 Limit use of premises for Work, for storage,

.2 Remove or alter existing work to prevent injury or damage to portions of existing work which remain.

.3 Repair or replace portions of existing work which have been altered during construction operations to match existing or adjoining work, as directed by Departmental Representative.

.4 At completion of operations condition of existing work: equal to or better than that which existed before new work started.

1.5 OWNER OCCUPANCY

.1 Co-operate with Owner in scheduling operations to minimize conflict and to facilitate Owner usage.

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| <u>1.6 PARTIAL OWNER
OCCUPANCY</u> | .1 | Schedule and substantially complete designated portions of Work for Owner's occupancy prior to Substantial Performance of entire Work. |
| <u>1.7 ALTERATIONS,
ADDITIONS OR
REPAIRS TO EXISTING
BUILDING</u> | .1 | Execute work with least possible interference or disturbance to building operations, occupants, public and normal use of premises. Arrange with Departmental Representative to facilitate execution of work. |
| <u>1.8 EXISTING
SERVICES</u> | .1 | Where Work involves breaking into or connecting to existing services, give Departmental Representative 48 hours notice for necessary interruption of mechanical or electrical service throughout course of work. |
| | .2 | Establish location and extent of service lines in area of work before starting Work. Notify Department Representative of findings. |
| | .3 | Submit schedule to and obtain approval from Departmental Representative for any shut-down or closure of active service or facility including power and communications services. Adhere to approved schedule and provide notice to affected parties. |
| | .4 | Where unknown services are encountered, immediately advise Departmental Representative and confirm findings in writing. |
| | .5 | Protect, relocate or maintain existing active services. When inactive services are encountered, cap off in manner approved by authorities having jurisdiction. |
| | .6 | Record locations of maintained, re-routed and abandoned service lines. |
| | .7 | Construct barriers in accordance with Section 01 56 00 - Temporary Barriers and Enclosures. |
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- 1.9 DOCUMENTS
REQUIRED
- .1 Maintain at job site, one copy each document
as follows:
- .1 Contract Drawings.
 - .2 Specifications.
 - .3 Addenda.
 - .4 Reviewed Shop Drawings.
 - .5 List of Outstanding Shop Drawings.
 - .6 Change Orders.
 - .7 Other Modifications to Contract.
 - .8 Field Test Reports.
 - .9 Copy of Approved Work Schedule.
 - .10 Health and Safety Plan and Other Safety
Related Documents.
 - .11 Other documents as specified.

PART 2 - PRODUCTS

- 2.1 NOT USED
- .1 Not used.

PART 3 - EXECUTION

- 3.1 NOT USED
- .1 Not used.

PART 1 - GENERAL

<u>1.1 RELATED SECTIONS</u>	.1	SECTION 01 14 00 - Work Restrictions.
<u>1.2 ACCESS AND EGRESS</u>	.1	Design, construct and maintain temporary "access to" and "egress from" work areas, including stairs, runways, ramps or ladders, independent of finished surfaces and in accordance with relevant municipal, provincial and other regulations.
<u>1.3 USE OF SITE AND FACILITIES</u>	.1	Execute work with least possible interference or disturbance to normal use of premises. Make arrangements with Departmental Representative to facilitate work as stated.
	.2	Maintain existing services to building and provide for personnel and vehicle access.
	.3	Where security is reduced by work provide temporary means to maintain security.
	.4	Departmental Representative will assign sanitary facilities for use by Contractor's personnel. Keep facilities clean.
	.5	Closures: protect work temporarily until permanent enclosures are completed.
<u>1.4 ALTERATIONS, ADDITIONS OR REPAIRS TO EXISTING BUILDING</u>	.1	Execute work with least possible interference or disturbance to building operations occupants, and normal use of premises. Arrange with Departmental Representative to facilitate execution of work.
<u>1.5 EXISTING SERVICES</u>	.1	Notify, Departmental Representative and utility companies of intended interruption of services and obtain required permission.
	.2	Where Work involves breaking into or connecting to existing services, give Departmental Representative 48 hours of notice for necessary interruption of mechanical or electrical service throughout course of work.

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| <u>1.5 EXISTING
SERVICES
(Cont'd)</u> | .2 | (Cont'd)
Keep duration of interruptions minimum. Carry out interruptions after normal working hours of occupants, preferably on weekends. |
| | .3 | Provide for personnel and vehicular traffic. |
| | .4 | Construct barriers in accordance with Section 01 56 00 - Temporary Barriers and Enclosures. |

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| <u>1.6 SPECIAL
REQUIREMENTS</u> | .1 | Ensure that Contractor personnel employed on site become familiar with and obey regulations including safety, fire, traffic and security regulations. |
| | .2 | Keep within limits of work and avenues of ingress and egress. |

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| <u>1.7 SECURITY
CLEARANCES</u> | .1 | Personnel employed on this project will be subject to security check. Obtain clearance, as instructed, for each individual who will require to enter premises. |
| | .2 | Personnel will be checked daily at start of work shift and provided with pass which must be worn at all times. Pass must be returned at end of work shift and personnel checked out. |

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| <u>1.8 BUILDING
SMOKING ENVIRONMENT</u> | .1 | Comply with smoking restrictions. Smoking is not allowed. |
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PART 2 - PRODUCTS

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| <u>2.1 NOT USED</u> | .1 | Not Used. |
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PART 3 - EXECUTION

3.1 NOT USED .1 Not Used.

PART 1 - GENERAL

1.1 REFERENCES

- .1 Section 01 35 29 Health and Safety Requirements
- .2 SECTION 01 35 43 Environmental Procedures
- .3 SECTION 01 73 00 Execution
- .4 SECTION 01 79 00 Demonstration and Training

1.2 ADMINISTRATIVE

- .1 Submit to Departmental Representative submittals listed for review. Submit promptly and in orderly sequence to not cause delay in Work. Failure to submit in ample time is not considered sufficient reason for extension of Contract Time and no claim for extension by reason of such default will be allowed.
 - .2 Do not proceed with Work affected by submittal until review is complete.
 - .3 Present shop drawings, product data, samples and mock-ups in SI Metric units.
 - .4 Where items or information is not produced in SI Metric units converted values are acceptable.
 - .5 Review submittals prior to submission to Departmental Representative. This review represents that necessary requirements have been determined and verified, or will be, and that each submittal has been checked and co-ordinated with requirements of Work and Contract Documents. Submittals not stamped, signed, dated and identified as to specific project will be returned without being examined and considered rejected.
 - .6 Notify Departmental Representative, in writing at time of submission, identifying deviations from requirements of Contract Documents stating reasons for deviations.
 - .7 Verify field measurements and affected adjacent Work are co-ordinated.
 - .8 Contractor's responsibility for errors and omissions in submission is not relieved by
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1.2 ADMINISTRATIVE
(Cont'd)

- .8 (Cont'd)
Departmental Representative's review of
submittals.
- .9 Contractor's responsibility for deviations in
submission from requirements of Contract
Documents is not relieved by Departmental
Representative review.
- .10 Keep one reviewed copy of each submission on
site.

1.3 SHOP DRAWINGS
AND PRODUCT DATA

- .1 The term "shop drawings" means drawings,
diagrams, illustrations, schedules,
performance charts, brochures and other data
which are to be provided by Contractor to
illustrate details of a portion of Work.
 - .2 Submit drawings stamped and signed by
professional engineer registered or licensed
in the Province of Newfoundland and Labrador.
 - .3 Indicate materials, methods of construction
and attachment or anchorage, erection
diagrams, connections, explanatory notes and
other information necessary for completion of
Work. Where articles or equipment attach or
connect to other articles or equipment,
indicate that such items have been
co-ordinated, regardless of Section under
which adjacent items will be supplied and
installed. Indicate cross references to design
drawings and specifications.
 - .4 Allow 5 days for Departmental
Representative's review of each submission.
 - .5 Adjustments made on shop drawings by
Departmental Representative are not intended
to change Contract Price. If adjustments
affect value of Work, state such in writing to
Departmental Representative prior to
proceeding with Work.
 - .6 Make changes in shop drawings as Departmental
Representative may require, consistent with
Contract Documents. When resubmitting, notify
Departmental Representative in writing of
revisions other than those requested.
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- 1.2 ADMINISTRATIVE (Cont'd)
- .7 Accompany submissions with transmittal letter, containing:
 - .1 Date.
 - .2 Project title and number.
 - .3 Contractor's name and address.
 - .4 Identification and quantity of each shop drawing, product data and sample.
 - .5 Other pertinent data.
 - .8 Submissions include:
 - .1 Date and revision dates.
 - .2 Project title and number.
 - .3 Name and address of:
 - .1 Subcontractor.
 - .2 Supplier.
 - .3 Manufacturer.
 - .4 Contractor's stamp, signed by Contractor's authorized representative certifying approval of submissions, verification of field measurements and compliance with Contract Documents.
 - .5 Details of appropriate portions of Work as applicable:
 - .1 Fabrication.
 - .2 Layout, showing dimensions, including identified field dimensions, and clearances.
 - .3 Setting or erection details.
 - .4 Capacities.
 - .5 Performance characteristics.
 - .6 Standards.
 - .7 Operating weight.
 - .8 Wiring diagrams.
 - .9 Single line and schematic diagrams.
 - .10 Relationship to adjacent work.
 - .9 After Departmental Representative's review, distribute copies.
 - .10 Submit 3 prints of shop drawings for each requirement requested in specification Sections and as Departmental Representative may reasonably request.
 - .11 Submit 3 copies of product data sheets or brochures for requirements requested in specification Sections and as requested by Departmental Representative where shop drawings will not be prepared due to standardized manufacture of product.
 - .12 Submit 3 copies of test reports for requirements requested in specification
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- 1.2 ADMINISTRATIVE (Cont'd)
- .12 (Cont'd)
Sections and as requested by Departmental Representative.
- .1 Report signed by authorized official of testing laboratory that material, product or system identical to material, product or system to be provided has been tested in accord with specified requirements.
- .2 Testing must have been within 3 years of date of contract award for project.
- .13 Submit 3 copies of certificates for requirements requested in specification Sections and as requested by Departmental Representative.
- .1 Statements printed on manufacturer's letterhead and signed by responsible officials of manufacturer of product, system or material attesting that product, system or material meets specification requirements.
- .2 Certificates must be dated after award of project contract complete with project name.
- .14 Submit 3 copies of manufacturers instructions for requirements requested in specification Sections and as requested by Departmental Representative.
- .1 Pre-printed material describing installation of product, system or material, including special notices and Material Safety Data Sheets concerning impedances, hazards and safety precautions.
- .15 Submit 3 copies of Manufacturer's Field Reports for requirements requested in specification Sections and as requested by Departmental Representative.
- .16 Documentation of the testing and verification actions taken by manufacturer's representative to confirm compliance with manufacturer's standards or instructions.
- .17 Submit 1 copy of Operation and Maintenance Data for requirements requested in specification Sections and as requested by Departmental Representative.
- .18 Delete information not applicable to project.
- .19 Supplement standard information to provide details applicable to project.
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1.2 ADMINISTRATIVE (Cont'd) .20 If upon review by Departmental Representative, no errors or omissions are discovered or if only minor corrections are made, copies will be returned and fabrication and installation of Work may proceed. If shop drawings are rejected, noted copy will be returned and resubmission of corrected shop drawings, through same procedure indicated above, must be performed before fabrication and installation of Work may proceed.

1.4 CERTIFICATES AND TRANSCRIPTS .1 Immediately after award of Contract, submit Workers' Compensation Board status.
.2 Submit transcription of insurance immediately after award of Contract.

PART 2 - PRODUCTS

2.1 NOT USED .1 Not Used.

PART 3 - EXECUTION

3.1 NOT USED .1 Not Used.

1.1 DEFINITIONS

- .1 COSH: Canada Occupational Health and Safety Regulations made under Part II of the Canada Labour Code.
- .2 Competent Person: means a person who is:
 - .1 Qualified by virtue of personal knowledge, training and experience to perform assigned work in a manner that will ensure the health and safety of persons in the workplace, and;
 - .2 Knowledgeable about the provisions of occupational health and safety statutes and regulations that apply to the Work and;
 - .3 Knowledgeable about potential or actual danger to health or safety associated with the Work.
- .3 Medical Aid Injury: any minor injury for which medical treatment was provided and the cost of which is covered by Workers' Compensation Board of the province in which the injury was incurred.
- .4 PPE: personal protective equipment
- .5 Work Site: where used in this section shall mean areas, located at the premises where Work is undertaken, used by Contractor to perform all of the activities associated with the performance of the Work.

1.2 SUBMITTALS

- .1 Make submittals in accordance with Section 01 33 00.
 - .2 Submit site-specific Health and Safety Plan prior to commencement of Work.
 - .1 Submit within 5 work days of notification of Bid Acceptance. Provide 3 copies.
 - .2 Departmental Representative will review Health and Safety Plan and provide comments.
 - .3 Revise the Plan as appropriate and resubmit within 5 work days after receipt of comments.
 - .4 Departmental Representative's review and comments made of the Plan shall not be construed as an endorsement, approval or implied warranty of any kind by Canada and does not reduce Contractor's overall responsibility for Occupational Health and Safety of the Work.
 - .5 Submit revisions and updates made to the Plan during the course of Work.
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1.2 SUBMITTALS
(Cont'd)

- .3 Submit name of designated Health & Safety Site Representative and support documentation specified in the Safety Plan.
- .4 Submit building permit, compliance certificates and other permits obtained.
- .5 Submit copy of Letter in Good Standing from Provincial Workers Compensation or other department of labour organization.
 - .1 Submit update of Letter of Good Standing whenever expiration date occurs during the period of Work.
- .6 Submit copies of reports or directions issued by Federal, Provincial and Territorial health and safety inspectors.
- .7 Submit copies of incident reports.
- .8 Submit WHMIS MSDS - Material Safety Data Sheets.

1.3 COMPLIANCE
REQUIREMENTS

- .1 Comply with Occupational Health and Safety Act for Province of Newfoundland and Labrador, and Occupational Health & Safety Regulations made pursuant to the Act.
 - .2 Comply with Canada Labour Code - Part II (entitled Occupational Health and Safety) and the Canada Occupational Health and Safety Regulations (COSH) as well as any other regulations made pursuant to the Act.
 - .1 The Canada Labour Code can be viewed at: [www.http://laws.justice.gc.ca/en/L-2/](http://laws.justice.gc.ca/en/L-2/)
 - .2 COSH can be viewed at: [www.http://laws.justice.gc.ca/eng/SOR-86-304/n e .html](http://laws.justice.gc.ca/eng/SOR-86-304/n e .html)
 - .3 A copy may be obtained at: Canadian Government Publishing Public Works & Government Services Canada Ottawa, Ontario, K1A 0S9 Tel: (819) 956-4800 (1-800-635-7943) Publication No. L31-85/2000 E or F)
 - .3 Observe construction safety measures of:
 - .1 Part 8 of National Building Code
 - .2 Municipal by-laws and ordinances.
 - .4 In case of conflict or discrepancy between above specified requirements, the more stringent shall apply.
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1.3 COMPLIANCE
REQUIREMENTS
(Cont'd)

- .5 Maintain Workers Compensation Coverage in good standing for duration of Contract. Provide proof of clearance through submission of Letter in Good Standing.
- .6 Medical Surveillance: Where prescribed by legislation or regulation, obtain and maintain worker medical surveillance documentation.

1.4 RESPONSIBILITY

- .1 Be responsible for health and safety of persons on site, safety of property on site and for protection of persons and environment adjacent to the site to extent that they may be affected by conduct of Work.
- .2 Comply with and enforce compliance by all workers, sub-contractors and other persons granted access to Work Site with safety requirements of Contract Documents, applicable federal, provincial, and local by-laws, regulations, and ordinances, and with site-specific Health and Safety Plan.

1.5 SITE CONTROL
AND ACCESS

- .1 Control the Work and entry points to Work Site. Approve and grant access only to workers and authorized persons. Immediately stop and remove non-authorized persons.
 - .1 Departmental Representative will provide names of those persons authorized by Departmental Representative to enter onto Work Site and will ensure that such authorized persons have the required knowledge and training on Health and Safety pertinent to their reason for being at the site, however, Contractor remains responsible for the health and safety of authorized persons while at the Work Site.
 - .2 Isolate Work Site from other areas of the premises by use of appropriate means.
 - .1 Erect fences, hoarding, barricades and temporary lighting as required to effectively delineate the Work Site, stop non-authorized entry, and to protect pedestrians and vehicular traffic around and adjacent to the Work and create a safe environment.
 - .2 Post signage at entry points and other strategic locations indicating restricted access and conditions for access.
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1.5 SITE CONTROL
AND ACCESS
(Cont'd)

- .2 (Cont'd)
- .3 Use professionally made signs with bilingual message in the 2 official languages or international known graphic symbols.
- .3 Provide safety orientation session to persons granted access to Work Site. Advise of hazards and safety rules to be observed while on site.
- .4 Ensure persons granted site access wear appropriate PPE. Supply PPE to inspection authorities who require access to conduct tests or perform inspections.
- .5 Secure Work Site against entry when inactive or unoccupied and to protect persons against harm.

1.6 PROTECTION

- .1 Give precedence to safety and health of persons and protection of environment over cost and schedule considerations for Work.
- .2 Should unforeseen or peculiar safety related hazard or condition become evident during performance of Work, immediately take measures to rectify situation and prevent damage or harm. Advise Departmental Representative verbally and in writing.

1.7 FILING OF
NOTICE

- .1 File Notice of Project with pertinent provincial health and safety authorities prior to beginning of Work.
 - .1 Departmental Representative will assist in locating address if needed.

1.8 PERMITS

- .1 Post permits, licenses and compliance certificates.
 - .2 Where a particular permit or compliance certificate cannot be obtained, notify Departmental Representative in writing and obtain approval to proceed before carrying out applicable portion of work.
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1.9 HAZARD
ASSESSMENTS

- .1 Perform site specific health and safety hazard assessment of the Work and its site.
- .2 Carryout initial assessment prior to commencement of Work with further assessments as needed during progress of work, [including when new trades and subcontractors arrive on site].
- .3 Record results and address in Health and Safety Plan.
- .4 Keep documentation on site for entire duration of the Work.

1.10 PROJECT/SITE
CONDITIONS

- .1 Following are potential health, environmental and safety hazards at the site for which Work products stored on site:
 - .1 typical oils, and cleaning fluids typical of a maintenance garage.
 - .2 Existing hazardous substances or contaminated building materials:
 - .1 unknown
 - .3 Known latent site and environmental conditions:
 - .1 unknown
 - .4 Facility on-going operations:
 - .1 unknown
- .2 Above items shall not be construed as being complete and inclusive of potential health and safety hazards encountered during Work.
- .3 Include above items in the hazard assessment of the Work.
- .4 MSDS Data sheets of pertinent hazardous and controlled products stored on site can be obtained from Departmental Representative.

1.11 MEETINGS

- .1 Attend pre-construction health and safety meeting, convened and chaired by Departmental Representative, prior to commencement of Work, at time, date and location determined by Departmental Representative. Ensure attendance of:
 - .1 Superintendent of Work
 - .2 Designated Health & Safety Site Representative
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- 1.11 MEETINGS
(Cont'd)
- .1 (Cont'd)
 - .3 Subcontractors
 - .2 Conduct regularly scheduled tool box and safety meetings during the Work in conformance with Occupational Health and Safety regulations.
 - .3 Keep documents on site.
- 1.12 HEALTH AND SAFETY PLAN
- .1 Prior to commencement of Work, develop written Health and Safety Plan specific to the Work. Implement, maintain, and enforce Plan for entire duration of Work and until final demobilization from site.
 - .2 Health and Safety Plan shall include the following components:
 - .1 List of health risks and safety hazards identified by hazard assessment.
 - .2 Control measures used to mitigate risks and hazards identified.
 - .3 On-site Contingency and Emergency Response Plan as specified below.
 - .4 On-site Communication Plan as specified below.
 - .5 Name of Contractor's designated Health & Safety Site Representative and information showing proof of his/her competence and reporting relationship in Contractor's company.
 - .6 Names, competence and reporting relationship of other supervisory personnel used in the Work for occupational health and safety purposes.
 - .3 On-site Contingency and Emergency Response Plan shall include:
 - .1 Operational procedures, evacuation measures and communication process to be implemented in the event of an emergency.
 - .2 Evacuation Plan: site and floor plan layouts showing escape routes, marshalling areas. Details on alarm notification methods, fire drills, location of fire fighting equipment and other related data.
 - .3 Name, duties and responsibilities of persons designated as Emergency Warden(s) and deputies.
 - .4 Emergency Contacts: name and telephone number of officials from:
 - .1 General Contractor and subcontractors.
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1.12 HEALTH AND
SAFETY PLAN
(Cont'd)

- .3 (Cont'd)
- .4 Emergency Contacts:(Cont'd)
 - .2 Pertinent Federal and Provincial Departments and Authorities having jurisdiction.
 - .3 Local emergency resource organizations.
 - .5 Harmonize Plan with Facility's Emergency Response and Evacuation Plan. Departmental Representative will provide pertinent data including name of PWGSC and Facility Management contacts.
- .4 On-site Communication Plan:
 - .1 Procedures for sharing of work related safety information to workers and subcontractors, including emergency and evacuation measures.
 - .2 List of critical work activities to be communicated with Facility Manager which have a risk of endangering health and safety of Facility users.
- .5 Address all activities of the Work including those of subcontractors.
- .6 Review Health and Safety Plan regularly during the Work. Update as conditions warrant to address emerging risks and hazards, such as whenever new trade or subcontractor arrive at Work Site.
- .7 Departmental Representative will respond in writing, where deficiencies or concerns are noted and may request re-submission of the Plan with correction of deficiencies or concerns.
- .8 Post copy of the Plan, and updates, prominently on Work Site.

1.13 SAFETY
SUPERVISION

- .1 Employ Health & Safety Site Representative responsible for daily supervision of health and safety of the Work.
 - .2 Health & Safety Site Representative may be the Superintendent of the Work or other person designated by Contractor and shall be assigned the responsibility and authority to:
 - .1 Implement, monitor and enforce daily compliance with health and safety requirements of the Work
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- 1.13 SAFETY SUPERVISION (Cont'd)
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- .2 (Cont'd)
- .2 Monitor and enforce Contractor's site-specific Health and Safety Plan.
- .3 Conduct site safety orientation session to persons granted access to Work Site.
- .4 Ensure that persons allowed site access are knowledgeable and trained in health and safety pertinent to their activities at the site or are escorted by a competent person while on the Work Site.
- .5 Stop the Work as deemed necessary for reasons of health and safety.
- .3 Health & Safety Site Representative must:
- .1 Be qualified and competent person in occupational health and safety.
- .2 Have site-related working experience specific to activities of the Work.
- .3 Be on Work Site at all times during execution of the Work.
- .4 All supervisory personnel assigned to the Work shall also be competent persons.
- .5 Inspections:
- .1 Conduct regularly scheduled safety inspections of the Work on a minimum weekly basis. Record deficiencies and remedial action taken.
- .2 Follow-up and ensure corrective measures are taken.
- .6 Cooperate with Facility's Occupational Health and Safety representative should one be designated by Departmental Representative.
- .7 Keep inspection reports and supervision related documentation on site.
- 1.14 TRAINING
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- .1 Use only skilled workers on Work Site who are effectively trained in occupational health and safety procedures and practices pertinent to their assigned task.
- .2 Maintain employee records and evidence of training received. Make data available to Departmental Representative upon request.
- .3 When unforeseen or peculiar safety-related 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
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| <u>1.14 TRAINING
(Cont'd)</u> | .3 | (Cont'd)
jurisdiction and advise Departmental
Representative verbally and in writing. |
| <u>1.15 MINIMUM
SITE SAFETY RULES</u> | .1 | Notwithstanding requirement to abide by
federal and provincial health and safety
regulations; ensure the following minimum
safety rules are obeyed by persons granted
access to Work Site:
.1 Wear appropriate PPE pertinent to the
Work or assigned task; minimum being hard hat,
safety footwear, safety glasses and hearing
protection.
.2 Immediately report unsafe condition at
site, near-miss accident, injury and damage.
.3 Maintain site and storage areas in a
tidy condition free of hazards causing injury.
.4 Obey warning signs and safety tags. |
| | .2 | Brief persons of disciplinary protocols to be
taken for non compliance. |
| <u>1.16 CORRECTION OF
NON-COMPLIANCE</u> | .1 | Immediately address health and safety
non-compliance issues identified by authority
having jurisdiction or by Departmental
Representative. |
| | .2 | Provide Departmental Representative with
written report of action taken to correct
non-compliance of health and safety issues
identified. |
| | .3 | Departmental Representative will stop Work if
non-compliance of health and safety
regulations is not corrected in a timely
manner. |
| <u>1.17 INCIDENT
REPORTING</u> | .1 | Investigate and report the following
incidents to Departmental Representative:
.1 Incidents requiring notification to
Provincial Department of Occupational Safety
and Health, Workers Compensation Board or to
other regulatory Agency.
.2 Medical aid injuries.
.3 Property damage in excess of \$10,000.00,
.4 Interruptions to Facility operations
resulting in an operational lost to a Federal
department in excess of \$5000.00. |
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1.17 INCIDENT REPORTING
(Cont'd) .2 Submit report in writing.

1.18 HAZARDOUS PRODUCTS .1 Comply with requirements of Workplace Hazardous Materials Information System (WHMIS).
 .2 Keep MSDS data sheets for all products delivered to site.
 .1 Post on site.
 .2 Submit copy to Departmental Representative.
 .3 For interior work in an occupied Facility, post additional copy in one or more publically accessible locations.

1.19 BLASTING .1 Blasting or other use of explosives is not permitted on site.

1.20 POWDER ACTUATED DEVICES .1 Use powder actuated fastening devices only after receipt of written permission from Departmental Representative.

1.21 CONFINED SPACES .1 Abide by occupational health and safety regulations regarding work in confined spaces.

1.22 SITE RECORDS .1 Maintain on Work Site copy of safety related documentation and reports stipulated to be produced in compliance with Acts and Regulations of authorities having jurisdiction and of those documents specified herein.
 .2 Upon request, make available to Departmental Representative or authorized Safety Officer for inspection.

1.23 POSTING OF DOCUMENTS .1 Ensure applicable items, articles, notices and orders are posted in conspicuous location on Work Site in accordance with Acts and Regulations of Province having jurisdiction.

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| 1.23 POSTING OF
DOCUMENTS
(Cont'd) | .2 | Post other documents as specified herein,
including: |
| | .1 | Site specific Health and Safety Plan |
| | .2 | WHMIS data sheets |

PART 1 - GENERAL

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| <u>1.1 REFERENCES</u> | .1 | <p>Definitions:</p> <p>.1 Environmental Pollution and Damage: presence of chemical, physical, biological elements or agents which adversely affect human health and welfare; unfavourably alter ecological balances of importance to human life; affect other species of importance to humankind; or degrade environment aesthetically, culturally and/or historically.</p> <p>.2 Environmental Protection: prevention/control of pollution and habitat or environment disruption during construction. Control of environmental pollution and damage requires consideration of land, water, and air; biological and cultural resources; and includes management of visual aesthetics; noise; solid, chemical, gaseous, and liquid waste; radiant energy and radioactive material as well as other pollutants.</p> |
| <u>1.2 ACTION AND INFORMATIONAL SUBMITTALS</u> | .1 | Provide submittals in accordance with Section 01 33 00 - Submittal Procedures. |
| | .2 | <p>Include in Environmental Protection Plan:</p> <p>.1 Spill Control Plan including procedures, instructions, and reports to be used in event of unforeseen spill of regulated substance.</p> <p>.2 Non-Hazardous solid waste disposal plan identifying methods and locations for solid waste disposal including clearing debris.</p> <p>.3 Air pollution control plan detailing provisions to assure that dust, debris, materials, and trash, are contained on project site.</p> <p>.4 Contaminant Prevention Plan identifying potentially hazardous substances to be used on job site; intended actions to prevent introduction of such materials into air, water, or ground; and detailing provisions for compliance with Federal, Provincial, and Municipal laws and regulations for storage and handling of these materials.</p> |
| <u>1.3 POLLUTION CONTROL</u> | .1 | Control emissions from equipment and plant to |
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PART 2 - PRODUCTS

2.1 NOT USED .1 Not Used.

PART 3 - EXECUTION

3.1 CLEANING .1 Clean in accordance with Section 01 74 11 -
Cleaning.

PART 1 - GENERAL

- 1.1 REFERENCES AND CODES
- .1 Perform Work in accordance with National Building Code of Canada (NBC) including amendments up to tender closing date and other codes of provincial or local application provided that in case of conflict or discrepancy, more stringent requirements apply.
 - .2 Meet or exceed requirements of:
 - .1 Contract documents.
 - .2 Specified standards, codes and referenced documents.
- 1.2 HAZARDOUS MATERIAL DISCOVERY
- .1 Asbestos: demolition of spray or trowel-applied asbestos is hazardous to health. Stop work immediately when material resembling spray or trowel-applied asbestos is encountered during demolition work. Notify
 - .2 PCB: Polychlorinated Biphenyl: stop work immediately when material resembling Polychlorinated Biphenyl is encountered during demolition work. Notify Departmental Representative.
 - .3 Mould: stop work immediately when material resembling mould is encountered during demolition work. Notify Departmental Representative.
- 1.3 BUILDING SMOKING ENVIRONMENT
- .1 Comply with smoking restrictions and municipal by-laws.
- 1.4 NATIONAL PARKS ACT
- .1 Perform Work in accordance with National Parks Act when projects are located within
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PART 2 - PRODUCTS

2.1 NOT USED .1 Not Used.

PART 3 - EXECUTION

3.1 NOT USED .1 Not Used.

PART 1 - GENERAL

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|--|----|---|
| <u>1.1 RELATED
SECTIONS</u> | .1 | SECTION 01 11 00 - Summary of Work. |
| | .2 | SECTION 01 14 00 - Work Restrictions. |
| <u>1.2 REFERENCES</u> | .1 | Public Works Government Services Canada
(PWGSC) Standard Acquisition Clauses and
Conditions (SACC)-ID: R0202D, Title: General
Conditions 'C', In Effect as Of: May 14, 2004. |
| <u>1.3 INSTALLATION
AND REMOVAL</u> | .1 | Provide temporary controls in order to
execute Work expeditiously. |
| | .2 | Remove from site all such work after use. |
| <u>1.4 GUARD RAILS AND
BARRICADES</u> | .1 | Provide secure, rigid guard rails and
barricades around deep excavations, open
shafts, open stair wells, open edges of floors
and roofs. |
| | .2 | Provide as required by governing authorities. |
| <u>1.5 ACCESS TO SITE</u> | .1 | Provide and maintain access roads, sidewalk
crossings, ramps and construction runways as
may be required for access to Work. |
| <u>1.6 PROTECTION FOR
OFF-SITE AND PUBLIC
PROPERTY</u> | .1 | Protect surrounding private and public
property from damage during performance of
Work. |
| | .2 | Be responsible for damage incurred. |
| <u>1.7 PROTECTION OF
BUILDING FINISHES</u> | .1 | Provide protection for finished and partially
finished building finishes and equipment
during performance of Work. |
| | .2 | Provide necessary screens, covers, and
hoardings. |
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1.7 PROTECTION OF BUILDING FINISHES (Cont'd) .3 Confirm with Departmental Representative locations and installation schedule 3 days prior to installation.

.4 Be responsible for damage incurred due to lack of or improper protection.

1.8 WASTE MANAGEMENT AND DISPOSAL .1 Separate waste materials for reuse and recycling.

PART 2 - PRODUCTS

2.1 NOT USED .1 Not Used.

PART 3 - EXECUTION

3.1 NOT USED .1 Not Used.

PART 1 - GENERAL

1.1 REFERENCES

- .1 If there is question as to whether products or systems are in conformance with applicable standards, Departmental Representative reserves right to have such products or systems tested to prove or disprove conformance.
- .2 Cost for such testing will be born by Departmental Representative in event of conformance with Contract Documents or by Design-Builder in event of non-conformance.

1.2 QUALITY

- .1 Products, materials, equipment and articles incorporated in Work shall be new, not damaged or defective, and of best quality for purpose intended. If requested, furnish evidence as to type, source and quality of products provided.
 - .2 Procurement policy is to acquire, in cost effective manner, items containing highest percentage of recycled and recovered materials practicable consistent with maintaining satisfactory levels of competition. Make reasonable efforts to use recycled and recovered materials and in otherwise utilizing recycled and recovered materials in execution of work.
 - .3 Defective products, whenever identified prior to completion of Work, will be rejected, regardless of previous inspections. Inspection does not relieve responsibility, but is precaution against oversight or error. Remove and replace defective products at own expense and be responsible for delays and expenses caused by rejection.
 - .4 Should disputes arise as to quality or fitness of products, decision rests strictly with Departmental Representative based upon requirements of Contract Documents.
 - .5 Unless otherwise indicated in specifications, maintain uniformity of manufacture for any particular or like item throughout building.
 - .6 Permanent labels, trademarks and nameplates on products are not acceptable in prominent
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|---|----|--|
| <u>1.1 REFERENCES
(Cont'd)</u> | .6 | (Cont'd)
locations, except where required for operating instructions, or when located in mechanical or electrical rooms. |
| <u>1.3 STORAGE,
HANDLING AND
PROTECTION</u> | .1 | Handle and store products in manner to prevent damage, adulteration, deterioration and soiling and in accordance with manufacturer's instructions when applicable. |
| | .2 | Store packaged or bundled products in original and undamaged condition with manufacturer's seal and labels intact. Do not remove from packaging or bundling until required in Work. |
| | .3 | Store products subject to damage from weather in weatherproof enclosures. |
| | .4 | Remove and replace damaged products at own expense and to satisfaction of Departmental Representative. |
| | .5 | Touch-up damaged factory finished surfaces to Departmental Representative's satisfaction. Use touch-up materials to match original. Do not paint over name plates. |
| <u>1.4 TRANSPORTATION</u> | .1 | Pay costs of transportation of products required in performance of Work. |
| <u>1.5 MANUFACTURER'S
INSTRUCTIONS</u> | .1 | Unless otherwise indicated in specifications, install or erect products in accordance with manufacturer's instructions. Do not rely on labels or enclosures provided with products. Obtain written instructions directly from manufacturers. |
| | .2 | Notify Departmental Representative in writing, of conflicts between specifications and manufacturer's instructions, so that Departmental Representative will establish course of action. |
| | .3 | Improper installation or erection of products, due to failure in complying with these requirements, authorizes Departmental Representative to require removal and |
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1.5 MANUFACTURER'S INSTRUCTIONS (Cont'd)

.3 (Cont'd)
re-installation at no increase in Contract Price or Contract Time.

1.6 QUALITY OF WORK

.1 Ensure Quality of Work is of highest standard, executed by workers experienced and skilled in respective duties for which they are employed. Immediately notify Departmental Representative if required Work is such as to make it impractical to produce required results.

.2 Do not employ anyone unskilled in their required duties. Departmental Representative reserves right to require dismissal from site, workers deemed incompetent or careless.

.3 Decisions as to standard or fitness of Quality of Work in cases of dispute rest solely with Departmental Representative, whose decision is final.

1.7 CO-ORDINATION

.1 Ensure co-operation of workers in laying out Work. Maintain efficient and continuous supervision.

.2 Be responsible for coordination and placement of openings, sleeves and accessories.

1.8 CONCEALMENT

.1 In finished areas conceal pipes, ducts and wiring in floors, walls and ceilings, except where indicated otherwise.

.2 Before installation inform Departmental Representative if there is interference. Install as directed by Departmental Representative.

1.9 REMEDIAL WORK

.1 Perform remedial work required to repair or replace parts or portions of Work identified as defective or unacceptable. Co-ordinate adjacent affected Work as required.

.2 Perform remedial work by specialists familiar with materials affected. Perform in a manner

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| <u>1.8 CONCEALMENT
(Cont'd)</u> | .2 | (Cont'd)
to neither damage nor put at risk any portion
of Work. |
| <u>1.10 LOCATION OF
FIXTURES</u> | .1 | Inform Departmental Representative of |
| <u>1.11 FASTENINGS -
EQUIPMENT</u> | .1 | Use fastenings of standard commercial sizes
and patterns with material and finish suitable
for service. |
| | .2 | Use heavy hexagon heads, semi-finished unless
otherwise specified. |
| | .3 | Bolts may not project more than one diameter
beyond nuts. |
| | .4 | Use plain type washers on equipment, sheet
metal and soft gasket lock type washers where
vibrations occur. Use resilient washers with
stainless steel. |
| <u>1.12 PROTECTION OF
WORK IN PROGRESS</u> | .1 | Prevent overloading of parts of building. Do
not cut, drill or sleeve load bearing
structural member, unless specifically
indicated without written approval of
Departmental Representative. |
| <u>1.13 EXISTING
UTILITIES</u> | .1 | When breaking into or connecting to existing
services or utilities, execute Work at times
directed by local governing authorities, with
minimum of disturbance to Work, and/or
building occupants. |
| | .2 | Protect, relocate or maintain existing active
services. When services are encountered, cap
off in manner approved by authority having
jurisdiction. Stake and record location of
capped service. |
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PART 2 - PRODUCTS

2.1 NOT USED .1 Not Used.

PART 3 - EXECUTION

3.1 NOT USED .1 Not Used.

PART 1 - GENERAL

- 1.1 SUBMITTALS
- .1 Submittals: in accordance with Section 01 33 00 - Submittal Procedures.
 - .2 Submit written request in advance of cutting or alteration which affects:
 - .1 Structural integrity of elements of project.
 - .2 Integrity of weather-exposed or moisture-resistant elements.
 - .3 Efficiency, maintenance, or safety of operational elements.
 - .4 Visual qualities of sight-exposed elements.
 - .5 Work of Owner or separate contractor.
 - .3 Include in request:
 - .1 Identification of project.
 - .2 Location and description of affected Work.
 - .3 Statement on necessity for cutting or alteration.
 - .4 Description of proposed Work, and products to be used.
 - .5 Alternatives to cutting and patching.
 - .6 Effect on Work of Owner or separate contractor.
 - .7 Written permission of affected separate contractor.
 - .8 Date and time work will be executed.
- 1.2 MATERIALS
- .1 Required for original installation.
 - .2 Change in Materials: Submit request for substitution in accordance with Section 01 33 00 - Submittal Procedures.
- 1.3 PREPARATION
- .1 Inspect existing conditions, including elements subject to damage or movement during cutting and patching.
 - .2 After uncovering, inspect conditions affecting performance of Work.
 - .3 Beginning of cutting or patching means acceptance of existing conditions.
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- 1.3 PREPARATION
(Cont'd)
- .4 Provide supports to assure structural integrity of surroundings; provide devices and methods to protect other portions of project from damage.
 - .5 Provide protection from elements for areas which are to be exposed by uncovering work; maintain excavations free of water.

- 1.4 EXECUTION
- .1 Execute cutting, fitting, and patching including excavation and fill, to complete Work.
 - .2 Fit several parts together, to integrate with other Work.
 - .3 Uncover Work to install ill-timed Work.
 - .4 Remove and replace defective and non-conforming Work.
 - .5 Provide openings in non-structural elements of Work for penetrations of mechanical and electrical Work.
 - .6 Execute Work by methods to avoid damage to other Work, and which will provide proper surfaces to receive patching and finishing.
 - .7 Cut rigid materials using masonry saw or core drill.
 - .8 Restore work with new products in accordance with requirements of Contract Documents.
 - .9 Refinish floor surfaces to match adjacent finishes: Refinish floors 1 metre beyond perimeter of installed Work. Refinish continuous surfaces to nearest intersection.
 - .10 Where possible conceal pipes, ducts and wiring in floor, wall and ceiling construction of finished areas except where indicated otherwise.

- 1.5 WASTE
MANAGEMENT AND
DISPOSAL
- .1 Separate waste materials for recycling.
-

4 Post Hoist Design, EXECUTION
Supply and Install
St. Anthony Airport, NL

Section 01 73 00
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PART 2 - PRODUCTS

2.1 NOT USED .1 Not Used.

PART 3 - EXECUTION

3.1 NOT USED .1 Not Used.

PART 1 - GENERAL

1.1 RELATED

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|-----------------|----|---|
| <u>SECTIONS</u> | .1 | Section 01 35 43 - Environmental Procedures |
| | .2 | Section 01 77 00 - Closeout Procedures |

1.2 REFERENCES

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|--|----|--|
| | .1 | Public Works Government Services Canada (PWGSC) Standard Acquisition Clauses and Conditions (SACC)-ID: R0202D, Title: General Conditions "C", In Effect as Of: May 14, 2004. |
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1.3 PROJECT
CLEANLINESS

- | | | |
|--|----|--|
| | .1 | Maintain Work in tidy condition, free from accumulation of waste products and debris, other than that caused by Owner or other Contractors. |
| | .2 | Remove waste materials from site at daily regularly scheduled times or dispose of as directed by Departmental Representative. Do not burn waste materials on site, unless approved by Departmental Representative. |
| | .3 | Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris. |
| | .4 | Provide on-site containers for collection of waste materials and debris. |
| | .5 | Provide and use marked separate bins for recycling. |
| | .6 | Store volatile waste in covered metal containers, and remove from premises at end of each working day. |
| | .7 | Provide adequate ventilation during use of volatile or noxious substances. Use of building ventilation systems is not permitted for this purpose. |
| | .8 | Use only cleaning materials recommended by manufacturer of surface to be cleaned, and as recommended by cleaning material manufacturer. |
| | .9 | Schedule cleaning operations so that resulting dust, debris and other contaminants |
-

<u>1.3 PROJECT CLEANLINESS (Cont'd)</u>	.9 (Cont'd) will not fall on wet, newly painted surfaces nor contaminate building systems.
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<u>1.4 FINAL CLEANING</u>	.1 When Work is Substantially Performed remove surplus products, tools, construction machinery and equipment not required for performance of remaining Work.
	.2 Remove waste products and debris other than that caused by others, and leave Work clean and suitable for occupancy.
	.3 Prior to final review remove surplus products, tools, construction machinery and equipment.
	.4 Remove waste products and debris other than that caused by Owner or other Contractors.
	.5 Remove waste materials from site at regularly scheduled times or dispose of as directed by Departmental Representative. Do not burn waste materials on site, unless approved by Departmental Representative.
	.6 Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris.
	.7 Clean and polish glass, mirrors, hardware, wall tile, stainless steel, chrome, porcelain enamel, baked enamel, plastic laminate, and mechanical and electrical fixtures. Replace broken, scratched or disfigured glass.
	.8 Inspect finishes, fitments and equipment and ensure specified workmanship and operation.

<u>1.5 WASTE MANAGEMENT AND DISPOSAL</u>	.1 Separate waste materials for recycling.
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PART 2 - PRODUCTS

2.1 NOT USED .1 Not Used.

PART 3 - EXECUTION

3.1 NOT USED .1 Not Used.

PART 1 - GENERAL

1.1 REFERENCES

- .1 Canadian Environmental Protection Act (CEPA)
 - .1 SOR/2008-197, Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations.

1.2 ADMINISTRATIVE REQUIREMENTS

- .1 Acceptance of Work Procedures:
 - conduct inspection of Work, identify deficiencies and defects, and repair as required to conform to Contract Documents.
 - .1 Notify Departmental Representative in writing of satisfactory completion of Contractor's inspection and submit verification that corrections have been made.
 - .2 Request Departmental Representative inspection.
 - .2 Departmental Representative Inspection:
 - .1 Departmental Representative and Contractor to inspect Work and identify defects and deficiencies.
 - .2 Contractor to correct Work as directed.
 - .3 Completion Tasks: submit written certificates in English that tasks have been performed as follows:
 - .1 Work: completed and inspected for compliance with Contract Documents.
 - .2 Defects: corrected and deficiencies completed.
 - .3 Equipment and systems: tested, and fully operational.
 - .4 Certificates required by Fire Commissioner: submitted.
 - .5 Operation of systems: demonstrated to Owner's personnel.
 - .6 Work: complete and ready for final inspection.
 - .4 Final Inspection:
 - .1 When completion tasks are done, request final inspection of Work by Departmental Representative, and Contractor.
 - .2 When Work incomplete according to Departmental Representative, complete outstanding items and request re-inspection.
-

- 1.3 FINAL CLEANING .1 Clean in accordance with Section 01 74 11 -
Cleaning.
.1 Remove surplus materials, excess
materials, rubbish, tools and equipment.
- .2 Waste Management: separate waste materials
for recycling.

PART 2 - PRODUCTS

- 2.1 NOT USED .1 Not Used.

PART 3 - EXECUTION

- 3.1 NOT USED .1 Not Used.

PART 1 - GENERAL

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| <u>1.1 ADMINISTRATIVE
REQUIREMENTS</u> | .1 | Demonstrate operation and maintenance of equipment and systems to Owner's personnel two weeks prior to date of final inspection. |
| | .2 | Owner will: provide list of personnel to receive instructions, and co-ordinate their attendance at agreed-upon times. |
| | .3 | Preparation:
.1 Verify conditions for demonstration and instructions comply with requirements.
.2 Verify designated personnel are present.
.3 Ensure equipment has been inspected and put into operation.
.4 Ensure testing, adjusting, and equipment and systems are fully operational. |
| | .4 | Demonstration and Instructions:
.1 Demonstrate start-up, operation, control, adjustment, trouble-shooting, servicing, and maintenance of each item of equipment at agreed upon times, at the equipment location.
.2 Instruct personnel in phases of operation and maintenance using operation and maintenance manuals as basis of instruction.
.3 Review contents of manual in detail to explain aspects of operation and maintenance.
.4 Prepare and insert additional data in operations and maintenance manuals when needed during instructions. |
| <u>1.2 ACTION AND
INFORMATIONAL
SUBMITTALS</u> | .1 | Provide submittals in accordance with Section 01 33 00 - Submittal Procedures. |
| | .2 | Submit schedule of time and date for demonstration of each item of equipment and each system two weeks prior to designated dates, for Departmental Representative's approval. |
| | .3 | Give time and date of each demonstration, with list of persons present. |
| | .4 | Provide copies of completed operation and maintenance manuals for use in demonstrations and instructions. |
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- 1.3 QUALITY ASSURANCE .1 When specified in individual Sections requiring manufacturer to provide authorized representative to demonstrate operation of equipment and systems:
- .1 Instruct Owner's personnel.
 - .2 Provide written report that demonstration and instructions have been completed.

PART 2 - PRODUCTS

- 2.1 NOT USED .1 Not Used.

PART 3 - EXECUTION

- 3.1 NOT USED .1 Not Used.