

R0053680.001

Îles-de-la-Madeleine Airport

Terminal building upgrade – Lot1

ADDENDUM N°02



Issued for Addendum n°02
2016-07-06

This document shall be read with and forms an integral part of the Contract Documents. It modifies and clarifies the drawings and the specifications of the above mentioned project. The modifications described herein come into force immediately.

DRAWINGS

1. A1 Architecture

1. A036 – Site plan

- 1.Modification to the location and access of the site for mobilization of the contractor.
- 2.Eliminate notes 9 and 11.
- 3.Add note 15: « contractor will mark out the zone reserved for his parking. »
- 4.Allow a set back of at least 1500mm between the temporary fence (note 13) and the site trailers (note 6).

2. A037 – Temporary layout plan

- 1.Add the following door numbers: 002T; 006T; 013T see plan for location and coordinate with hardware indicated in the doors hardware section included.
- 2.Modify note 11 as indicated in the included revised plan

Modification to drawings

N/A

2. E1 Electrical

1. See Addendum Pageau Morel no.1 – Electrical for modifications to Specifications.

3. C1 Civil

1. See Addendum Civil C-01 for modifications to Specifications.

SPECIFICATIONS

1. Section 01 11 00 – General information on work.

1. Remove **article 10.0.3**
2. Include article **11.0** as follow:

11.0 Restricted area

- .1 Part of the work of this present contract will take place in a restricted area of the airport. Refer to section 01 35 27 for all airport security and safety requirements
- 3.Replace **article 12.0.3** as follow :
The Contractor will organize the Work to ensure the users' activities, when occupying some part of the Work completed, are not disturbed by vibrations, noise, odours, dust, congestion, equipment, materials, waste and service shutdowns. In that eventuality the Departmental Representative may require the interruption of work at any moment
- 4.Include **article 12.0.8** as follow :

- .8 Works are done in an operational facility (occupant's use of premises during work). During sensitive activities (e.g. control Tower operations), minimize the noise level in order not to disrupted the users' activities.

2. Section 01 14 00 – Work restrictions.1. Replace **article 2.0.4** as follow:

Contractor will provide additional exterior containers for storage necessary to the execution of the work, as well as two supplementary storage containers assigned to the Departmental representative. These containers will be located within the site enclosure, according to the terms of this contract and the contractor will assume the cost.

2. Replace **article 2.0.17** as follow:

Contractor vehicles access to the (air side) of the premises is allowed with security escort only. Vehicles will have to be equipped with orange rotating (warning) lights. Contractor will have to yield to the security escort demands at once. Submit all demand for security escort services to the airport authorities at least 24 hours in advance.

3. Include **article 2.0.19** as follow:

Maintain at all time a 2 ways access route in front of the facility, one way being reserved for emergency vehicles. Never obstruct the 2 gate access to the restricted areas.

4. Include **article 2.0.20** as follow:

Workers vehicles parking is allowed only in the dedicated parking area at the east side of the parking lot, in front of the contractor's site enclosure

5. Include **article 2.0.21** as follow:

Parking is not allowed in front of the site trailers located next to Gate 2

6. Replace **paragraph 5.0** as follow:

Note – revisions made to this paragraph are indicated in the margin for easy reading

5.0 Work Schedule restrictions

.1 Provide Work Schedule (Construction Progress Schedule) (W.S.) as prescribed in **Section 01 32 16. 07**. The Work Schedule will have to take account of the different zones and constraints as described below as well as the flight schedules of airline companies.

.2 Zone 1 – Washrooms Zone:

- .1** Users type: travelers, employees.
- .2** Work will be done at all time
- .3** Temporaries exterior washrooms will have to be operational before construction work begins in existing washrooms.
- Rev.2 **.4** Provide a temporary opening at the corner of grid 1,A to install a temporary door for site work access, controlled by key. Rebuild at opening with new composition following the work. Provide a site fence in front of the door as indicated in the plan.
- Rev.2 **.5** Provide a covered passageway to access temporary washroom through existing exterior wall
- .6** Temporary exterior wall opening should not prevent operations in zone 4A – Arrivals/baggage claim
- .7** Provide a temporary partition between the baggage claim area and the access to the temporary washrooms.
- .8** Provide a temporary water fountain before removing the existing one

- .9 Take account of all the mechanical and electrical constraints to be coordinated with the Departmental representative.
 - .10 Protect existing works, equipment and furniture during new work
 - .11 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services**.
- .3 Zone 2 – Entrance City side:
- .1 Users type: travelers, employees.
 - .2 Work will be done at night
 - .3 Maintain corridors, as means of egress, accessible and free of all obstructions at all time. The contractor will maintain at least 2 means of egress at all times
 - .4 Provide a secured covered passage way during work
 - .5 Provide a temporary protection for the floor depression during work to replace the foot grille
 - .6 Install temporary protection on the west side of the entrance only when performing work at this location
 - .7 Assure continuous access to the fire alarm panel
 - .8 Coordinate with Terminal authorities for opening and closure of terminal
 - .9 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services**
- .4 Zone 3 – Mechanical and Electrical rooms:
- .1 Users type: employees.
 - .2 Work will be done at all time
 - .3 Possible temporary storage: of material, waste, construction and demolition waste before transferring them to the exterior waste container
 - .4 Maintain basic mechanical and electrical services at all times (equipment / baggage claim services / heating / telephone / data / alarm / communication, etc. – non exhaustive list). To be coordinated with the Departmental Representative.
 - .5 Coordinate with the Terminal Authorities access to the IT systems, alarm and communications
 - .6 Contractor will have to coordinate work to have the minimal impact on the terminal activities between the disconnection of the existing mechanical system and the connection of the new mechanical system.
 - .7 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services**
- .5 Zones 4 – Waiting area:
- .1 Général :
 - .1 Available Zones 4a, 4b, 4c, 4d
 - .2 Certain ~~minor~~ works could be done between flights departures and arrivals, keeping in mind the constraints and according to very stringent work plannings issued by the contractor at each work shift, to be approved by the Departemental Representative. Plan should demonstrate among other things :
 - .1 Always allow two (2) means of egress at all times
 - .2 Maintain an access corridor from zones 4a, 4b, to the services counters according to flight schedule. These corridors could be visual separations by curtains.
 - .3 Provide updated traffic sign for passengers

Rev.2

- Rev.2
- .3 The contractor will provide a security agent services with work health and security accreditation, assigned to zone 4, with the purpose of managing the activities of the public during work period done when flights schedule. The contractor will provide a work plan to be approved by the Departmental Representative, for each week preceding any work in these zones.
 - .4 Contractor will make arrangement to move temporarily, furniture and equipment to two (2) trailers dedicated to the departmental representative, and located within the site enclosure on the east side of the parking lot, and their relocation back to the facility following the work. Moving and trailer cost will be covered by the contractor.
 - .5 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services**
- .2 Zone 4A - 002 Baggage claim area / arrival.
- .1 Users type: travelers, employees.
 - .2 Work will be done at night
 - .3 Access to emergency exit stair 010 must be maintain at all time.
 - .4 Contractor must make sure that required operations for the baggage entry is secure and possible at all time from the exterior of the building all the way to the baggage claim area.
 - .5 This zone must be separated from the access zone to the temporary washrooms
 - .6 Move and protect all furniture as required before any work is done, or transfer those furniture to the dedicated temporary exterior trailer. Trailer to be provided by the contractor. See plan A36
 - .7 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services.**
 - .8 Maintain corridors, as means of egress, accessible and free of all obstructions at all time.
- .3 Zone 4B – 002 Main waiting area / departure.
- .1 Users type: travelers, employees.
 - .2 Work will be done at night
 - .3 Maintain corridors, as means of egress, accessible and free of all obstructions at all time. Minimum of 2 means of egress at all times
 - .4 Move temporarily the existing vending machines close to the temporary washrooms
 - .5 Provide temporary electrical outlet for the vending machines
 - .6 Move and protect all furniture as required before any work is done, or transfer those furniture to the dedicated temporary exterior trailer. Trailer to be provided by the contractor. See plan A36
 - .7 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services.**
- .4 Zone 4C – 013 waiting area
- .1 Users type: travellers, employees.
 - .2 Work will be done at night
 - .3 Maintain the means of egress, accessible and free of all obstructions at all time

- Rev.2
- .4 Install an emergency exit door on the secured side, as close as possible to grid 2, with all necessary hardware, panic barre, secure restricted area entry /exit with key code number
 - .5 Install a clean temporary partition, built with plywood on the exterior side and gypsum on the interior side (north side), to separate zone 4C from the construction site. The partition must be secured, painted on users' side, and furnished at its top with metal frame and security wired glass panels. The temporary partition must be the least inconvenient for the operations of the terminal.
 - .6 Maintain a secured transit area for the passengers, as they arrive and when they proceed to the searching area, at all time.
 - .7 Maintain access to the work area always on the secured side, with a security escort, without hindering the operations of the terminal.
 - .8 Move and protect all furniture as required before any work is done, or transfer those furniture to the dedicated temporary exterior trailer. Trailer to be provided by the contractor. See plan A36
 - .9 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services.**
- .5 Zone 4D – Exit corridor 020
- .1 Users type: employees.
 - .2 Work will be done at night
 - .3 Maintain this corridor, as means of egress, accessible and free of all obstructions at all time. Minimum of 2 means of egress at all times
 - .4 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services.**
- .6 Zone 5 - Flight arrival entrance.
- .1 Users type: travellers, agents.
 - .2 Work will be done at all time (following the installation of the temporary entrance)
 - .3 Access to zone 5 from the restricted area will be transferred to the temporary door built on the north elevation between grid 2 and 3. (zone 4C). Locate temporary entrance as close as possible to grid 2, to have the least impact on the operations of CTSA.
 - .4 Maintain emergency exit doors accessible and free of all obstructions at all time. Minimum of 2 means of egress at all time
 - .5 Maintain access to emergency exit stair 010 for NAV-Canada users at all times
 - .6 Install a new temporary door to access stair 010
 - Rev.2 .7 Temporarily relocate existing controls, punch key lock, camera and other hardware from door 010 to temporary door - (must be reinstalled on door 010 after work is completed)
 - .8 Move the existing vending machines close to temporary washrooms
 - .9 Provide temporary electrical outlet for the vending machines
 - .10 Move and protect all furniture as required before any work is done, or transfer that furniture to the dedicated temporary exterior trailer. Trailer to be provided by the contractor and located. See plan A36
 - .11 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services.**

- Rev.2 .7 Zone 6 - CATSA – sterile zone (including 017 et 015)
- .1 Users type: travelers.
 - .2 Work will be done following the last searched departure flight (15:00), up until 4:00 the next day. The contractor must relinquish this zone to the Terminal authorities by or before 4:00.
 - .3 The sterile zones are zones with specific requirements for security and cleanliness. Zone 6 is a Restricted Area. Work in this zone will always be with security escort. See **section 01 35 27**
 - .4 Install a clean temporary partition, built with plywood on both side (north side), to separate zone 6 from the construction site. The partition must be secured, painted on user side, and furnished at its top with metal frame and security glass panels. The location and construction of the temporary partition must be the least inconvenient for the operations of the terminal, and allow access to emergency exits at all times.
 - Rev.2 .5 Move and protect security equipment – Baggage and persons' scanners - according to the directives of the Departmental representative.
 - .1 Protections must be with plywood and polyethylene, dust proof and able to prevent damage to the equipment during work.
 - .2 Security equipment will be returned operational and ready to be used by the Terminal authorities as required by their appointed schedule, after each shift.
 - .6 Work done under slab for mechanical purposes must be done without any hindrance to the operations of the Terminal or the security of the users.
 - .7 State of the zone after each work completion phase:
 - .1 Remove all tools, scaffolds, tool box and equipment, and all metal pieces.
 - .2 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services**.
 - .3 The contractor will submit the zone to an inspection and apply all necessary corrective measures following the inspection
- Rev.2 .8 Zone 7 – Boarding area – sterile zone.
- .1 Users type: travelers, agents.
 - .2 Work will be done following the last searched departure flight (15:00), up until 4:00 the next day. The contractor must relinquish this zone to the Terminal authorities by or before 4:00.
 - .3 The sterile zones are zones with specific requirements for security and cleanliness. Zone 7 is a Restricted Area. See **section 01 35 27**
 - .4 Install a clean temporary partition, built with plywood on both side (north side), to separate zone 7 from the construction site. The partition must be secured, painted on user side, and furnished at its top with metal frame and security glass panels. The location and construction of the temporary partition must be the least inconvenient for the operations of the terminal, and allow access to emergency exits at all times
 - .5 Maintain one door panel of door 016 as an emergency exit to the restricted area and keep the second panel locked and install a secured temporary partition in front of it.
 - .6 Provide a temporary air conditioning unit, see **Mechanical**.
 - .7 Move and protect all furniture as required before any work is done, or transfer those furniture to the dedicated temporary exterior trailer. (chairs, vending machines). Trailer to be provided by the contractor. See plan A36
 - .8 State of the zone after each work completion phase
 - .1 Remove all tools, scaffolds, tool box and equipment, and all metal pieces.

- .2 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services.**
 - .3 The contractor will submit the zone to an inspection and apply all necessary corrective measures following the inspection
- .9 Zone 8 - Airlines service counters.
- .1 8A - Air Canada
 - .1 Users type: employees.
 - Rev.2 .2 Air Canada Baggage Area is considered a sterile zone between 8:00 and 15:00. Access is not allowed during this period. Contractor will have access to this zone between 15:00 and 21:00 and between 23:00 and 4:00.
 - .3 Plan and organize work in close collaboration with the Operator and the Terminal Authorities
 - .4 Protect all equipment from any damages. Computers, communication equipment, work surfaces. Assure that all equipment be operational following each work shift.
 - .5 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services.**
 - .2 8B - PASCAN
 - .1 Users type: employees.
 - .2 Work will be done at night
 - .3 Plan and organize work in close collaboration with the Operator and the Terminal Authorities
 - Rev.2 .4 Protect all furniture as required before any work is done, or transfer this furniture to the dedicated temporary exterior trailer. Validate with the Departmental Representative, other wise, move the furniture to a room next door or to the exterior temporary trailer, according to the directives. Trailer to be provided by the contractor. See A36.
 - .5 Protect all equipment from any damages. Computers, communication equipment, work surfaces. Assure that all equipment be operational following each work shift. If required, temporarily transfer users to the temporary trailer.
 - .6 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services.**
 - .3 8C - Free space
 - .1 Users type: employees.
 - .2 Word will be done at all time
 - .3 Provide 2 working telephone lines; internet connection; temporary electrical outlets in order to be able to temporarily relocate in this zone.
 - .4 Note: this zone could serve as a buffer for temporary transfers of other zones with higher restrictions during work.
- .10 Zone 9 - Car rental service counters.
- .1 9A - Leblanc Location Auto
 - .1 Users type: employees.

- .2 Work will be done at night
 - .3 Contractor will be able to use the free space 8C to temporarily relocate users and equipment from zone 9A.
 - .4 Plan and organize work in close collaboration with the Operator and the Terminal Authorities
 - .5 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services.**
- .2 9B - Hertz Location Auto
- .1 Users type: employees.
 - .2 Work will be done at night
 - .3 Contractor will be able to use the free space 8C to temporarily relocate users and equipment from zone 9B.
 - .4 Plan and organize work in close collaboration with the Operator and the Terminal Authorities
 - .5 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services.**
- .11 Zone 10 – Bureau
- .1 Users type: employee.
 - .2 Work will be done at all time
 - .3 Temporarily relocate personnel and furniture in the temporary exterior trailer, on the east side of the terminal. Trailer to be provided by the contractor. See plan A36
 - .4 Carry out an exhaustive cleaning of the zone, satisfactory to the Departmental representative. See **section 01 74 11 assigned cleaning services.**
- Rev.2 .12 Zone 11 – Exterior work
- .1 Général :
 - .1 Present a traffic flow and signalling management plan for deliveries, temporary installation layout (enclosures), excavation work on city side and work in zone 11C, south elevation. This plan must be submitted to the Departmental Representative for approval.
 - .2 Contractor will have to manage all waste and materials stored outside to avoid production of FOD (Foreign Object Debris) on the airport site. Contractor will submit at once, upon all Departmental Representative, operator, security escort or any other airport personnel's instructions, as soon as anyone of those referred to notice a potential risk to the airport's operations, caused by foreign debris. See **section 01 35 27.**
 - .3 All deliveries must be done between 19 :00 et 4 :00. Suspend all delivery activities for night flights. Coordinate with the Departmental representative.
 - .4 Items important to consider :
 - .1 Maintain 2 ways access route at all time dedicated for the airport transits
 - .2 Locate waste container and chute on site, without hinderance to the airport users' activities. Coordinate exact location with the Departmental Representative
 - .3 Take all necessary precautions to accommodate access to the facility by users when doing excavation and trench work (steel plate, circulation, traffic and access signs)

- .4 Coordinate location of the Project identification site sign with the Departmental Representative.
 - .5 Temporary transfer site trailer for the users.
 - .5 For temporary relocation of airport terminal personnel
 - .6 For temporary relocation of equipments/services as required during work.
 - .7 Moving services are provided through the allocation included in division 01
- Rev.2
- .2 11 - A North Elevation:
 - .1 Zone 11-A is a Restricted Area. Work in this zone will always be with security escort. See **section 01 35 27**
 - .2 No interaction (entry/exit of workers, material, equipment) of any nature will be allowed at flight arrival/departure or transit of passengers on apron. All traffic on apron must be coordinated in advance and done with security escort.
 - .3 Due to constraints to Achieve complete, uninterrupted moisture and air/vapour tightness, work done on the north elevation and on the roof must be completed by October 31, 2016
 - .4 Jersey: Install jerseys according civil plan; with inclined top and debris netting. Make sure not to create any obstructions.
 - .5 Jerseys will be returned to the Departmental Representative at the end of the work
 - .6 Coordinate all traffic of personnel and materials according to flights schedule in order not to hinder the airports' operations.
 - .7 For all activities of the contractor taking place on the restricted area, the security escort will be absolutely necessary
- Rev.2
- .3 11 - B East Elevation:
 - .1 Zone 11-B is a Restricted Area. Work in this zone will always be with security escort. See **section 01 35 27**
 - .2 Install a work fence according to indication on site plan
 - .3 For all activities of the contractor taking place on the restricted area, the security escort will be absolutely necessary
 - .4 During activities related to departure flights, the Departmental Representative could require the contractor to cease all activities around the baggage transfer area for security purposes and to avoid any disruption to the operator's activities.
 - .5 Contractor will make sure not to hinder or obstruct the main access routes along gate 2
 - .6 Coordinate the location of transfer site trailer according to plan A36
 - .4 11 - C South Elevation:
 - .1 As much as possible, contractor will limit his activities within the limits of the work site
 - .2 No continuous storage will be allowed within the limits of the work site. Only temporary storage in transit will be acceptable.
 - .3 No parking on the access route to the drop zone nor the area of drop zone will be allowed, at all time. This access route and drop zone must be free at all time.

- .4 All delivery requiring the access through this side of the terminal must be closely coordinated with the Departmental representative
- .5 Coordinate the location of transfer site trailer and the Departmental Representative trailer according to plan A36
- .5 11 - D West Elevation:
 - .1 Zone 11-D is a Restricted Area. Work in this zone will always be with security escort. See **section 01 35 27**
 - Rev.2 .2 Remove existing site fence for about 3000mm and fold it back to butt against the temporary washroom wall to restrict access to secured area as well as allowing access to the parking lot from the temporary washroom. Restore the fence back to existing position following the work. See plan A037
 - .3 Provide all necessary work to disconnect and inject and seal existing main sprinkler entrance. See Mechanical
 - .4 For all activities of the contractor taking place on the restricted area, the security escort will be absolutely necessary
 - .5 Contractor will make sure not to block the baggage entrance at anytime.
 - .6 The temporary opening to the exterior wall will have to be secured at all time, until the temporary sealed covered passage-way is built.
 - .7 All deliveries must be coordinate by the contractor according to the traffic flow management plan issued to the Departmental Representative, and according to the flights schedule restrictions, as indicated in the specifications.
- Rev.2 .6 11 - E Restricted Area/Apron
 - .1 Zone 11-E is a Restricted Area. Work in this zone will always be with security escort. See **section 01 35 27**
 - .2 All deliveries must be coordinate by the contractor according to the traffic flow management plan issued to the Departmental Representative, and according to the flights schedule restrictions, as indicated in the specifications.
 - .3 No continuous storage will be allowed within the limits of the work site. Only temporary storage in transit will be acceptable.
- Rev.2 .7 11-F Parking on city side
 - .1 Parking for workers is allowed only in the designated area alongside the site enclosure on the east side
 - .2 No parking on the main access route will be allowed, at all time. This access route must be free at all time.
- .13 Take into account the following restrictions:
 - .1 Normal Occupancy hours
 - .8 From Monday to Friday
 - .1 6h15, Departure, not searched**
 - .2 7h00, Departure searched* (from 02 May to 31 October)
 - .3 10h45 / 11h15, Arrival / Departure, not searched
 - .4 13h01 / 13h25, Arrival / Departure searched (from 01 July to 05 September)
 - .5 13h48 / 14h10, Arrival / Departure searched (from 02 May to 31 October)

- Last searched departure flight during week days
- .6 16h30 / 17h45, Arrival / Departure, not searched
- .7 22h, Arrival
- .8 22h33, Arrival (from 01 May to 31 October)
- .9 Saturday
 - .1 7h00, Departure searched (from 02 May to 31 October)
 - .2 10h00, Departure, not searched
 - .3 13h01 / 13h25, Arrival / Departure searched (from 01 July to 05 September)
 - .4 13h48 / 14h10, Arrival / Departure searched (from 02 May to 31 October)
 - .5 22h, Arrival
 - .6 22h33, Arrival / Departure searched (from 01 May to 31 October)
- .10 Sunday
 - .1 7h00, Departure searched (from 02 May to 31 October)
 - .2 13h01 / 13h25, Arrival / Departure searched (from 01 July to 05 September)
 - .3 13h48 / 14h10, Arrival / Departure searched (from 02 May to 31 October)
 - .4 19h, Arrival
 - .5 22h33, Arrival (from 01 May to 31 October)

*Searched flight: Departure flights in need of access to the CATSA (zone 6) and boarding area (zone 7)

**no searched flight: Departure flights not needing access to the CATSA (zone 6) and boarding area (zone 7)

Rev.2 Note: Arrival are allways via zone 5 and/or zone 4C, as soon as the temporary door is operational

Rev.2 .2 The increased traffic period is from the 1st of July to the 5th of September.

3. Section 01 20 00 – Project meetings.

1. Replace Section number 01 20 00 in the header by **Section number 01 21 00**

4. Section 01 31 19 – Project meetings.

1. Replace **article 1.0.4** as follow:

.4 Contractor to provide physical space and make arrangements for meetings on site. See **Section 01 52 00**

2. Replace **article 2.0.4.8** as follow:

.8 Site security in accordance with **Section 01 35 29.06**.

5. Section 01 33 00 – Submittal procedures.

1. Replace pages 11, 12 and 13 of the section by those included in this addenda (Submittal procedures) – 3 pages

6. Section 01 35 27 – Airport in use.1. Replace **article 1.4.3** as follow:

Provide, as needed, temporary signage to insure de safe movement of passengers and workers, as well as the protection of the Contractor's workers

2. Replace **article 1.5.1** as follow:

Comply with safety and security operational requirements and any other applicable requirements during Work and alongside runway, taxiway and apron in restricted area, including, but not limited to

3. Remove **article 1.5.1.1**4. Replace **article 1.9.1** as follow:

- .1 Escort services will be appointed by the Airport Authority necessary to the execution of the work. These services will be paid by the contractor.

5. Replace **article 1.9.2** as follow:

Access of Contractor's vehicles and equipment to site will be limited to secured entrances. These access points will require in all time the presence of security escort during Work periods, that will be provided by Contractor

6. Replace **article 1.9.4** as follow:

- .4 Personnel related to Work must be escorted when they perform works in the air side area, and in all restricted area.

7. Replace **article 1.9.5** as follow:

- .5 Contractor and his employees must obey promptly and at once to security personnel instructions and directives.

8. Replace 48hours with 12hours in **article 1.9.6**9. Replace **article 1.11.2** as follow:

- .2 To avoid damage to aircraft, install around the site secured perimeter, fences with debris nets. For roofing works the guardrails shall have debris nets installed. For the security of the users, the installations and the aircrafts, the management of foreign debris must be done continuously, therefore, a review in real time will be done to insure the integrity of nets and also verify the presence of objects on the runway side. See regulation « Règlement sur la circulation aux aéroports » - http://lois-laws.justice.gc.ca/fra/reglements/C.R.C.,_ch._886/.

10. Include **articles 1.12** as follow :**1.12 LIFTING LOADS WITH CRANE**

- .1 Contractor must prepare a hoisting plan and submit it to the Departmental representative for all lifting operations done with a crane or a boom truck at least 21 days before these lifting operations begin.
- .2 Contractor must plan the hoisting operations in a way as to avoid that the loads pass over the occupied zones on the site. When there is no alternative, the hoisting plan must absolutely be

signed and sealed by an engineer and must guarantee the security of the occupants in that zone; the plan must also be approved by the Departmental representative. The Departmental representative can, if he deems necessary, require that the work be done at night or on weekends, or request that the equipment be lowered.

- .3 The entire lifting area shall be marked off to prevent the entry of non-authorized persons
- .4 This work must be done outside of flight (arrival/departure) period. A light markup will have to be provided.

7. Section 01 35 29.06 – Health and safety requirements.

- 1. Remove **article 1.11.1.4**
- 2. Remove **article 1.11.1.7**
- 3. Replace **article 1.22** as follow:

1.22 LOCKOUT-TAGOUT

- .1 For all work on electrically or otherwise energized equipment, the Contractor shall draw up and implement a general lockout-tagout procedure and submit it to the Departmental representative.
- .2 Supervisors and all workers concerned by work requiring lockout-tagout must have received training on lockout-tagout procedures by a recognized organization; Contractor shall submit training certificates to the Departmental representative.
- .3 Before starting the lockout-tagout procedure of a piece of equipment on an occupied site, Contractor must coordinate his work with the Departmental representative if the interruption of the power sources can have an impact on the operations of the site or on its occupants.
- .4 Contractor must designate a qualified person as responsible for the lockout-tagout and must make sure that that person prepares a lockout-tagout data sheet for each piece of equipment involved. The lockout-tagout data sheet must be submitted to the Contractor representative at least **48 hours** before the beginning of the work. He will sign the document to approve the lockout-tagout data sheet and a copy will be kept during all the work period and available for consultation by the Departmental representative. The data sheets for lockout-tagout must contain at least the following information:
 - .1 description of work to carry out;
 - .2 identification, description and location of the circuit and/or equipment to lockout-tagout;
 - .3 identification of energy sources that feeds the equipment;
 - .4 identification of each cutout point;
 - .5 sequence of lockout-tagout and the release of residual energy as well as the sequence of unlocking;
 - .6 list of material needed for the lockout-tagout;
 - .7 method of verification of zero energy implementation;
 - .8 name and signature of the person who prepared the data sheet.
- .5 At the time of lockout-tagout, the person responsible must date the data sheet and ensure that each worker involved in the work on the circuit to lockout-tagout puts his name on the data sheet and signs it.

4. Replace **article 1.23** as follow:

1.23 ELECTRICAL WORK

- .1 Contractor shall ensure that all electrical work is executed by qualified employees in accordance with the provincial regulation respecting vocational training and qualification.
- .2 Contractor shall respect all requirements of standard CSA Z462 *Workplace Electrical Safety Standard*.
- .3 No repairs or alterations shall be carried out on any live equipment except where complete disconnection of the equipment is not feasible.
- .4 Contractor shall respect all requirements prescribed in paragraph “LOCKOUT-TAGOUT” in this section.
- .5 Contractor shall advise in writing the Departmental representative of all the work that cannot be done with de-energized equipment. Contractor shall demonstrate to the Departmental representative that it is impossible to do the work with de-energized equipment and provide, in writing, a secure procedure that he intends on using for an energized electrical work (indicate working procedures, arc flash hazard analysis, protective perimeter, protective equipment, etc.) before the beginning of the work, excluding for the exceptions indicated in standard CSA Z462 Workplace electrical safety.
- .6 The energized electrical work procedure must contain at least the following elements:
 - description of the circuit and equipment and its location;
 - justification for having to do the work in an energized condition;
 - description of safe work practices to apply;
 - results of the shock hazard analysis;
 - limit of the protective perimeter against electric shocks;
 - results of the arc flash hazard analysis;
 - description of the arc flash protection boundary;
 - description of the personal protective equipment required;
 - description of the means to limit access to unqualified persons;
 - proof that an information session has been carried out;
 - approval signature of the energized electrical work (by the contractor’s representative).
- .7 If for the operational requirements of the occupants of the site the Departmental representative requires that the Contractor performs work in an energized condition, the Contractor shall provide a secure procedure that he intends on using for an energized electrical work (indicate working procedures, arc flash hazard analysis, protective perimeter, protective equipment, etc.) and have it signed by the contractor’s representative before the beginning of the work.

5. Replace 5 days for 21 days in **article 1.34.1**

6. Include **article 1.34.9** as follow:

This work must be done outside of flight (arrival/departure) period. A light markup will have to be provided

7. Replace **article 1.35.2** as follow:

- .2 Before the beginning of each shift of work and for each sector, the Contractor must emit a “Hot Work Permit”.

8. Section 01 41 00 – Regulatory requirements.

1. Replace **article 1.0.3** as follow:

.3 Satisfy also the requirements of the National Energy Code of Canada for Buildings (NECB). Provide conformity attestations required.

9. Section 01 51 00 – Temporary utilities.

1. Replace **article 1.0.6.3.4** as follow:

Maintain temperatures of minimum 20°C in areas where construction is in progress

10. Section 01 52 00 – Construction facilities.

1. Replace **article 3.0.2** as follow:

Workers Parking will only be allowed along side the site enclosure dedicated to the contractor on the east side. A light markup will have to be provided to clearly identify parking spaces reserved for the contractor according to plan A036, and provide snow removal

2. Include **article 3.0.5** as follow:

Contractor will be responsible to clean all exterior surfaces

3. Include **article 4.0.1.11** as follow:

Contractor must include in his price work of leveling, groundwork, bases and services, as well as partial dismantling of existing fence and construction of new temporary barb wired fence (2100mm high + 300mm barb wire). Fence will have to be installed with a 1500mm set back from the trailers according to the directives of the departmental representative. Following the work, the fence is to be reinstalled as existing.

4. Include **article 4.0.1.12** as follow:

Contractor must include in his price work of leveling, groundwork, bases and services, as well as partial dismantling of existing fence and construction of new temporary barb wired fence (2100mm high + 300mm barb wire). Fence will have to be installed with a 1500mm set back from the trailers according to the directives of the departmental representative. Following the work, the fence is to be reinstalled as existing.

5. Replace **article 4.0.3** as follow:

.3 Transfer site trailer for the users

- .1 Provide two (2) site trailers

.1 One trailer on wheels 3000 mm x 8000mm divided into two equal spaces, without furniture and with an exterior door for each space.

- .2 One trailer on wheels 3000mm x 4000mm, without furniture

- .2 Provide required systems to maintain 22oC inside temperature year round.

.3 Finish inside walls and ceiling with hardboard paint in selected colours. Finish floor as required.

.4 Install electrical lighting system to provide min 750 lx, using surface mounted, shielded commercial fixtures with 10% upward light component.

- .5 Provide electrical outlets at max. 4000 mm.

.6 Provide outlets for phones and electronic mail machine. Pay for the services and make them available to the Departmental Representative.

- .7 Maintain space in clean condition; clean daily.

- .8 Provide a clearly marked and fully stocked first-aid kit in a readily available location.

.9 Provide one water fountains with 5 gallon (18L) water supply at all time.

6. Replace **article 5.0.1** as follow:

Provide a sanitary unit, fully equipped with clean water and waste water tanks including:

- .1 One toilet and 2 urinals and two sinks and mirrors for men.
- .2 Two toilets and two sinks and mirrors for women.
- .3 A service room with tanks and janitor tank.

7. Replace **article 5.0.3** as follow:

Provide full services for supply and waste waters management, autonomous tank, drainage pump, electrical supply, for the proper functioning of these installations. Coordinate with Mechanical and Electrical

8. Replace **article 5.0.6.2** as follow:

The access will have an emergency exit door. (see doors and frame schedule)

9. Include **articles 8.0.1.3; 8.0.1.4; 8.0.1.5; 8.0.1.6** as follow :

- .3 Contractor must prepare a hoisting plan and submit it to the Departmental representative for all lifting operations done with a crane or a boom truck at least 21 days before these lifting operations begin.
- .4 Contractor must plan the hoisting operations in a way as to avoid that the loads pass over the occupied zones on the site. When there is no alternative, the hoisting plan must absolutely be signed and sealed by an engineer and must guarantee the security of the occupants in that zone; the plan must also be approved by the Departmental representative. The Departmental representative can, if he deems necessary, require that the work be done at night or on weekends, or request that the equipment be lowered.
- .5 The entire lifting area shall be marked off to prevent the entry of non-authorized persons
- .6 This work must be done outside of flight (arrival/departure) period. A light markup will have to be provided.

11. Section 01 56 00 – Temporary barriers and enclosures.

1. Replace **article 2.0.3** as follow :

.3 Dust-tight screens:

- .1 As indicated on **drawings** or as required, provide temporary dust-tight partitions or closures for dust generating activities on dirty work, properly sealed against noise, dust, contamination, rain, snow for protection of existing or previously finished areas.
- .2 All the dust-proof screens, canvas, tarpaulin, temporary partitions and protections must be fireproof and complies with NFPA 701, NFPA 705 or CAN/ULC norms.
- .3 Place warning signs at different locations. Pay special attention to occupied sectors.
- .4 Maintain and relocate protection until such work is complete.
- .5 Construct these at locations as shown or as per the Departmental Representative's instructions:
 - .1 With 92 mm steel studs at 400 mm c/c, braced as required, having 16 mm fire resistant gypsum panels on both sides.
 - .2 Fully seal, fire resistant and tape joints on the perimeter of all openings from dust through the partition and openings caused for and by mechanical or electrical installation.

- .3 Fill space between studs with full height fire resistant mineral wool acoustical insulation.
- .4 Provide fire resistant steel doors and frames with steel stud partitions.
- .5 Paint partition, frames and doors on user's side
- .6 Use plastic sheets to contain dust from ceiling demolition.
- .6 Use a polypropylene tarpaulin to avoid dust spread resulting from the demolition of ceilings.

2. Replace **article 2.0.4** as follow :

- .4 Safety and other enclosures:
 - .1 As indicated on **drawings** or as required, erect, safety enclosures properly sealed against intrusion and the weather, at door or window openings, at top of technical ducts, or at other openings done on the building envelope.
 - .2 Maintain and move these enclosures as required until the type of work for which they are needed is completed.
 - .3 Cover floor surfaces where the walls have not been erected yet; seal other openings. Provide enclosures in the building where a temporary heating will be needed.
 - .4 The enclosures must resist wind pressures and snow loads, if need be, as calculated.
 - .5 Where indicated on drawings, construct these:
 - .1 With 92 mm steel studs at 300 mm c/c, braced as required, having 19mm plywood on the exterior side and 16 mm gypsum panels on the interior side.
 - .2 Install a vapor barrier in polyethylene 125 microns on the interior side
 - .3 Fully seal and tape joints on the perimeter of all openings from dust through the partition and openings caused for and by mechanical or electrical installation.
 - .4 Fill space between studs with full height mineral wool insulation.
 - .5 Provide insulated steel doors and frames with steel stud partitions.
 - .6 Provide insulated windows steel frames with 8mm wired glass
 - .7 Paint partition, frames and doors on both sides
 - .8 Install a 100mm vinyl base, black, on the users side.

12. Section 01 74 11 – Cleaning.

1. Replace **article 1.0.1.3** as follow:

- .3 Make all the necessary arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris.

2. Include **article 1.0.3.12** as follow:

Manage dust sources, debris and volatiles in continuous. Comply at once to all directives from the site superintendent or the departmental representative. Contractor must give special attention to exterior work to prevent any objects, debris be carried away toward the airplanes or the areas of operations.

3. Replace **article 1.0.4** as follow:

- .4 Assigned cleaning services for spaces that must be relinquished to the Terminal Authorities following each shift:
 - .1 Remove waste materials, debris and food waste daily from the site.
 - .2 Provide sufficient number of containers for collection of waste materials and debris on site. Determine the location of the waste containers in consultation with the

- Departmental Representative. The containers must have a folding cover which must be closed at the end of each day.
- .3 Provide container specifically marked for recycling materials, as per the instruction of the Departmental Representative.
 - .4 Clean interior areas prior to start of finishing work, and maintain areas free of dust and other contaminants during finishing operations.
 - .5 Schedule cleaning operations so that resulting dust, debris and other contaminants will not fall on wet, newly painted surfaces nor contaminate building systems.
 - .6 Vacuum clean the floors regularly. Cleaning with a broom is not acceptable on site.
 - .7 Wash the walls, ceilings, clean light fixtures, doors, moldings, framings, top of frames, switches, heaters, etc...
 - .8 Wash interior and exterior glazing, screens, and framing.
 - .9 Clean all surfaces, and equipment.
 - .10 Clean interior and exterior of cabinets.
 - .11 Clean blinds, doors, louvers, ensuring a general clean-up
 - .12 Move furniture and equipment to clean the floors thoroughly.
 - .13 Following this exhaustive clean-up, there should be no traces of water, or water dripping, no dust nor traces of cleaning agent or cleaning rags.
 - .14 The exhaustive cleaning of this zone must be done to the satisfaction of the Departmental representative.

13. Section 01 74 21 – Construction demolition waste management and disposal.

1. Replace **article 1.0.3.4** as follow:

Contractor will have to submit a waste management plan conformed to the local requirements in place and provide a certificate at the end of the work, attesting the conformity and application of the procedures.

14. Section 05 41 00 – Structural metal stud framing

1. Replace in **article 2.7.1** the section number by the following: **Section 07 46 13**

15. Section 06 10 00 – Rough carpentry

1. Replace in **article 1.5.1.** the section number by the following: **Section 01 33 00**
2. Replace **article 2.8** as follow:

2.8 Type WD.SP.1 – Wood Siding Panels

.5 In Type WD spruce wood boards, grade superior, rough finish as per CSA O141, 900 mm to 4870 mm long, with the majority of the 4200mm to 4870 length on the main façade, 16 thick, 135 mm high (finished dimensions), re-sawn texture, shiplap patterned, V joints with concealed nails. stainless steel nails, smooth back with deep longitudinal channeling, factory finished with 2 coats of monochromatic topcoat applied on all the faces and edges. See installation for finish and treatment of edges cut during construction.

.6 Trims: at joints, corners, and perimeters, in pre-painted aluminum sheet Type AL.PP.4, custom blend color to the Departmental Representative choice. see **drawings**.

.7 Finish: a monochromatic topcoat for exterior applications, tinted, UV and heat resistant, Gloss 60° 12-18 on "leneta" card, volume solids 33-39 ±1%, viscosity: 65 to 75 Krebs units; dry recommended thickness per coat 50 microns. Custom blend color to the Departmental Representative choice.

3. Replace **article 2.11.5** as follow:

Type FAST.4F – Fasteners for Prefinished rigid exterior panels, wood fibre: hidden fasteners, according to manufacturer's recommendations, stainless steel.

4. Replace **article 3.1.7** as follow:

Use stainless steel fasteners for all exterior work and for work in humid areas

5. Replace in Article 3.1.9 and 3.3.8.1.4 the section number by the following: **Section 07 52 00**

6. Replace **article 3.3.7.8** as follow:

Seal joints and parts of panel not covered by paint. Use sealant CLKG.2.

7. Replace **article 3.4.4** as follow:

Apply the fireproofing treatment to the plywood panels in conformity with CSA 080 S standards series

8. Replace **article 3.4.5** as follow:

After treatment dry the material in dryers until the humidity rate does not exceed 19%

13. Section 07 20 00 – Thermal insulation

1. Replace **article 2.3.2** as follow:

Types FAST.11A fasteners

2. Replace **article 2.3.5** as follow:

Sealant: Type CLKG.2/AP – See Section 07 92 00.

3. Replace **article 3.6.1** as follow: Adhere insulation directly to the vapour barrier, with adhesive pads, Type ADH.4B, to hold in place until installation of sub-girts. Install first layer of insulation with staggered joints. Ensure that panels are adjusted and edges are butt-joined.

4. Replace **article 3.7.1** as follow: On foundation walls, fix panels Type L.CONC.BD to the furring over the rigid insulation with mechanical fasteners Type FAST.11A, as per the board manufacturer's instructions as well as the instructions of the acrylic plaster manufacturer.

5. Replace **article 3.7.8** as follow:

Fill expansion and control joints with Type CLKG.2/AP seal.

14. Section 07 46 13 – Preformed metal siding

1. Replace **article 2.1.3** as follow:

.3 Type MFL/PP sheet metal flashing and coping are supply and formed by this Section or the latter by **Section 08 40 00**; installation is specified in **Section 07 52 00**.

2. Replace **article 2.2.1.5** as follow:

.5 Couleur:

- .1 Façade sud – Rouge Brique, au choix du Représentant du ministère
- .2 Façade nord – Blanc, au choix du Représentant du ministère

3. Replace **article 2.3.1** as follow:

.1 Type S.GRT/GV/W - Galvanized steel sub-girt system for walls - Type S.GRT/GV/S – Galvanized steel sub-girt system for soffits:

- .1 In Type ST.PL/GV steel sheet, finish Type GV.F.2, of appropriate thickness according to prescribed loads, minimum 1.2 mm (Ga.18) in general and 1.8 mm (Ga.14) for insulated panels, compliant with ASTM A653/A653M, category A.
- .2 Single, double, triple systems, profiles "Z" or adjustable "L", and "U" profiles, continuous or discontinuous, installed horizontally or vertically, maximum 1220 mm c.c., as indicated.
- .3 Exterior and interior surfaces of each layer of sub-girts isolated with a thermal break consisting of Type JOIN.5A/SA insulating strip, See **below**.

4. Replace **article 2.5.1** as follow:

- .2 Type AL.PP.4/FL – Aluminium flashing and coping, prepainted, AA-5005-H14 alloy and temper,, "stretcher level" prepainted quality, 0.81 mm (0.032" / 20 ga) thick, or as indicated, finish Type PP.F.3A; colour – White, selected by the Consultants.

5. Replace **article 2.5.11** as follow:

See **Section 07 92 00** other sealants.

6. Replace **article 3.2.2** as follow:

Coordinate with **Section 07 52 00** for the proper installation of flashing and copings.

7. Replace **article 3.3.20** as follow:

Caulk junctions with adjoining work, around openings and where required, with a sealant Type CLKG.1, in accordance with **Section 07 92 00**, where required.

15. Section 07 52 00 – Modified bituminous membranes

1. Replace **article 3.1.19** as follow:

Where indicated inject Type INSUL.6/P, to thoroughly fill all cavities

16. Section 08 00 00 – Door and frame schedule / Details

1. Add the door and frame schedule as included in this addendum

17. Section 08 11 00 – Metal doors and frames

1. Include **article 2.4.4** as follow :

- .3 Type ST.PS/S – Pressed steel frames for interior doors, sanitary:

.1 Similar to Type ST.PS, with sanitary bases and stops as indicated on **drawings** and with sanitary boxes for hardware insertion.

18. Section 08 30 00 – Specialty doors

1. Replace section **08 30 00** with the one included.

19. Section 08 40 00 – Curtain wall and glazed aluminum work

1. Replace **article 2.2.2** as follow:

Curtain wall and curtain wall type window frames:

- .1 AL.PP.1A/TR - Frames in prepainted aluminum tubular extrusions, for curtain wall, windows, exterior doors, with high thermal resistance: in AA-6063-T54 alloy and temper aluminum, for vertical and horizontal framing members, with thermal breaks, as indicated; finish Type PP.F.3A, colour silver, as per Departmental Representative choice.

- Acceptable products:

- .1 "6800HP2 by Alumico.
- .2 "G450GEE" by Gamma.
- .3 "2000 Haute performance" by Lessard.
- .4 "7525" by Kawneer.
- .5 "Série 3400 H.P." by A. & D. Prévost Inc.
- .6 Products approved by addenda in accordance with **bidder instructions**

2. Replace **article 2.2.3** as follow:

Windows:

- .1 AL.PP.6A/TR Windows in prepainted aluminum extruded sections, with high thermal resistance: fixed or openable windows; AA-6063-T5 alloy and temper; finish Type PP.F.3A, colour silver, as per Departmental Representative choice, reinforced where indicated or required. Dimensions as indicated, with inserted insulation, thermal breaks and nylon polyamide deflector reinforced with fiberglass, with the appropriate hardness to obtain robust frames.

- Acceptable products:

- .1 "685TH" by Alumico.
- .2 "Isoweb Séries 5500 et 5525" by Kawneer.
- .3 "8500" by Lessard.
- .4 "Séries 1340 " by A. & D. Prévost.

Products approved by addenda in accordance with **bidder instructions**

3. Replace **article 2.2.4** as follow:

Aluminium flashing:

- .1 Type AL.PP.4/FL – Aluminium flashing and coping, prepainted, AA-5005-H14 alloy and temper, "stretcher level" prepainted quality, 0.81 mm (0.032" / 20 ga) thick, or as indicated, finish Type PP.F.3A; colour – White, selected by the Consultants.

4. Replace **article 2.3.1** as follow:

Type AL.PP.8.1 – Aluminum interior swinging glazed doors, prepainted:

- .1 Doors: strongly built, glazed swinging doors with wide stiles, min. 45 mm thick, aluminum extrusions, with minimum wall thickness of 3.2 mm and mechanically-joined, reinforced corners.
- .2 Rails: 152 mm at the top, 210 mm in the centre, 166 mm or 305 mm at the base.
- .3 Glazing: Type GL.3T (See **Section 08 80 50**).
- .4 Glazing stops: square, with wall thickness of 1.3 mm.
- .5 Frames: Type AL.PP.2A
- .6 Finish: Type PP.F.3A; colour silver, as per the Departmental Representatives'.
- Acceptable products:

Alumico.

- .1 Similar to "5000" modified with "125" glazing stops and "V-1064" trim by
- .2 "500" by Kawneer.
- .3 "2700" by A. & D. Prévost Inc.
- .4 Products approved by addenda in accordance with **bidder instructions**

5. Replace **article 2.3.2** as follow:

Type AL.PP.8.1/IN – Aluminum exterior swinging glazed doors, prepainted, insulated:

- .1 Doors: heavy duty insulated glazed swing doors, min. 51 mm thick, aluminum extrusions with minimum wall thickness of 3.2 mm, with thermal break and mechanically-joined, reinforced corners.
- .2 Rails: 152 mm at the top, 210 mm in the centre, 166 mm or 305 mm at the base.
- .3 Glazing: Type GL.12A.
- .4 Glazing stops: interlocking snap-in type for dry glazing.
- .5 Frames: Type AL.PP.2A/IN
- .6 Finish: Type PP.F.3A; colour silver, as per the Departmental Representatives'.

- Acceptable products:
 - .1 Similar to "5020" modified with "125» glazing stops and "V-1064" trim by Alumico
 - .2 "560" Insulclad" by Kawneer.
 - .3 "2750" by A. & D. Prévost Inc.
 - .4 Products approved by addenda in accordance with **bidder instructions**.

6. Replace **article 2.3.3** as follow:

Door and vision panel frames:

- .1 Type AL.PP.2A – Frames in aluminum, prepainted tubular extrusions for interior doors and vision panels, Type AL.PP.2A/IN – Frames in aluminum, prepainted tubular extrusions for exterior doors and vision panels: AA-6063-T54 alloy and temper, 44.5 mm or 51 mm wide, with thermal break for exterior frames, dimensions as indicated; finish Type PP.F.3A; colour silver as per the Departmental Representative’.
 - Acceptable products:
 - .1 Type AL.PP.2A:
 - .1 "Serie 4500" by Alumico.
 - .2 "Trifab VG451" with single glazing adapter "451-029" or "Trifab VG450" by Kawneer.
 - .3 "Series 65" by A. & D. Prévost.
 - .4 Products approved by addenda in accordance with **bidder instructions**
 - .2 Type AL.PP.2A/IS:
 - .1 "Serie 600" by Alumico.
 - .2 "Trifab 451T" by Kawneer.
 - .3 "Série 40, #585" by A. & D. Prévost.
 - .4 Products approved by addenda in accordance with **bidder instructions**
- .2 Glazing position adjusted to be in the same plane as the door glazing

20. Section 08 71 00 – Doors Hardware

- 1. Add section 08 71 00 as included in this addendum.

21. Section 09 67 00 – Special flooring

- 1. Add **section 09 67 00** as include in this addendum.

Addendum issued previously: Addendum No.1 issued 06-27-2016

LEGEND ABBREVIATIONS:**GENERAL**

EX	Existing
n/a	not applicable
—	

FRAMES

AL.AN.2A/IN	framed in aluminium, anodized tubular extrusions for exterior doors, insulated
AL.AN.2A	framed in aluminium, anodized tubular extrusions for interior doors
AL.AN.2C	framed in aluminium, anodized tubular extrusions for interior doors
ST.PS	pressed steel frames for interior doors
ST.PS/IN	pressed steel frames for exterior doors, insulated
ST.PS/FR	pressed steel frames for fire-rated interior doors
ST.PS/S	pressed steel frames for interior doors, sanitary
—	
—	

GLAZING, FILMS AND LOUVER

GL.3T	laminated tempered glass, clear
GL.4	georgian wired polished glass
GL.6A/FR20-90	glass-ceramic glazing, fire resistant
GL.12	sealed double-glazed security vision units
GL/EX	existing glazing
FILM.1	special effects film
LOUV/TR	transfer louvers, see mechanical

THRESHOLD

NAT.ST.1	natural stone slabs
—	
Presence threshold indicated by note in door shedule	

DOORS

AL.PP.8.1	interior swinging glazed doors, in prepainted aluminium
AL.PP.8.1/IN	exterior swinging glazed doors, in prepainted aluminium
WD.PB/P.1	plywood faced particleboard doors
HM	hollow metal interior doors
HM/IN	hollow metal exterior doors, insulated
HM/RF	hollow metal interior doors, fire-rated
HM/RMV/IN	hollow metal exterior removable panels, insulated
SDR.2/IN	insulated aluminium sectional overhead door, manual
SDR.17A/MT/SW/O	single sliding aluminium door, motorized, with swinging action and fixed sidelite

COATINGS / PAINT

AN.F.1A	anodized finish, clear
PP.F.3A	prepainted fluoropolymer coating finish, for aluminium or steel surfaces
PT.9L	acrylic urethane paint, 0 voc, interior/exterior
—	
—	
—	
—	

R0053680.001

Îles-de-la-Madeleine Airport

Terminal building upgrade - Lot 1

Section 08 00 00

LEGEND OF DOOR AND FRAME SCHEDULE

Page 2 de 2

LEGEND NOTES:

GENERALS NOTES

A	SEE CORRESPONDING ELEVATIONS AND DETAILS FOR FRAME DETAILS AND TYPES, AS SHOWN ON DOORS AND FRAMES SCHEDULE. SEE ALSO APPLICABLE TYPICAL DETAILS
B	HARDWARE GROUPS, SEE SPECIFICATIONS SECTION 08 70 00
C	FOR SECURITY AND ELECTRICITY REQUIERMENTS RELATED TO DOORS AND FRAMES , REFER TO HARDWARE GROUPS. COORDONNATE WITH DIVISION 16 - ELCTRICITY

SPECIAL NOTES

1	NEW THERMAL BRIDGE
2	GARAGE DOOR WITH A MAN DOOR
3	<u>NAT.ST.1</u> - Natural stone slabs

R0053680.001

Îles-de-la-Madeleine Airport

Terminal building upgrade - Lot 1

Section 08 00 00

DOOR AND FRAME SCHEDULE

Page 1 de 2

NO.	DOOR										FRAME										FIRE		HARDWARE GROUP	NOTES	REV.
	TYPE	DIMENSIONS			MATERIALS	FINISH	TYPE			DETAIL No.	TYPE	DIMENSIONS		MATERIALS	FINISH	TYPE		DETAIL No.	(MIN)						
		ELEV.	THICK	WIDHT			HEIGHT	GLAZING	FILM			LOUVER	ELEV.			THICK	HEIGHT			GLAZING	FILM				
TEMPORARY DOORS																									
002T	A1	45	915	2135	HM	PT.9L	n/a	n/a	—	1 à 4/A-8201	A1	1015	2185	ST.PS	PT.9L	n/a	n/a	11/A-8205		J06		2			
006T	A1	45	915	2135	HM	PT.9L	n/a	n/a	—	1 à 4/A-8201	A1	1015	2185	ST.PS	PT.9L	n/a	n/a	11/A-8205		D04		2			
013T	A1	45	1220	2135	HM	PT.9L	n/a	n/a	—	1 à 4/A-8201	A1	1320	2185	ST.PS	PT.9L	n/a	n/a	11/A-8205		J06		2			
GROUND FLOOR LEVEL																									
001	B1	45	915+915	2440	AL.PP.8.1/IN	PP.F.3A	GL.12	n/a	—	—	—	-	—	AL.AN.2A/IN	PP.F.3A	n/a	n/a	3/A066 8/A068		J01					
002A	B1	45	915+915	2440	AL.PP.8.1	PP.F.3A	GL.3T	n/a	—	—	—	—	—	AL.AN.2A	PP.F.3A	n/a	n/a	3/A066 8/A068		E01					
004	A2	45	915	2135	WD.PB/P.1	PT.9L	n/a	n/a	LOUV/TR	—	A2	1015	2185	ST.PS/S	PT.9L	n/a	n/a	5, 6/A-8202 11/A-8205		F01	3				
006	A2	45	915	2135	WD.PB/P.1	PT.9L	n/a	n/a	LOUV/TR	—	A2	1015	2185	ST.PS/S	PT.9L	n/a	n/a	5, 6/A-8202 11/A-8205		F01	3				
009	EX	—	—	—	EX	PT.9L	n/a	n/a	—	—	EX	—	—	EX	PT.9L	n/a	n/a	—		—					
010	EX	—	—	—	EX	PT.9L	n/a	n/a	—	—	EX	—	—	EX	PT.9L	n/a	n/a	—		—					
010A	EX	—	—	—	EX	PT.9L	n/a	n/a	—	—	EX	—	—	EX	PT.9L	n/a	n/a	—		—					
012A	B5	45	915+915	2135	AL.PP.8.1/IN	PP.F.3A	GL.12	n/a	—	—	—	—	—	AL.AN.2A/IN	PP.F.3A	n/a	n/a	3/A066 8/A068		E02					
012B	B1	45	915+915	2440	AL.PP.8.1	PP.F.3A	GL.3T	n/a	—	—	—	—	—	AL.AN.2A	PP.F.3A	n/a	n/a	3/A066 8/A068		J02					
015	EX	—	—	—	EX	PT.9L	GL/EX	n/a	—	—	EX	—	—	EX	PT.9L	n/a	n/a	—		—					
015A	B2	50	2090	2135	SDR.17A/MT/SW/O	AN.F.1A	GL.3T	FILM.1	—	—	—	—	—	AL.AN.2C	AN.F.1A	n/a	n/a	5/A068		J03					
016A	B5	45	915+915	2135	AL.PP.8.1	PP.F.3A	GL.3T	n/a	—	—	—	—	—	AL.AN.2A	PP.F.3A	n/a	n/a	3/A066 8/A068		J02					
016B	B5	45	915+915	2135	AL.PP.8.1/IN	PP.F.3A	GL.12	n/a	—	—	—	—	—	AL.AN.2A/IN	PP.F.3A	n/a	n/a	3/A066 8/A068		E02					
017	A1	45	915	2135	WD.PB/P.1	PT.9L	n/a	n/a	—	—	A1	1015	2185	ST.PS	PT.9L	n/a	n/a	11/A-8205		A01					
020A	A3	45	915	2135	AL.PP.8.1	PT.9L	GL.3T	n/a	—	—	—	—	—	AL.AN.2A	PP.F.3A	n/a	n/a	SIM. 3/A066 SIM. 8/A068		J07		2			
020B	A4	45	915	2135	HM/IN	PT.9L	GL.4	n/a	—	1 à 4/A-8201 10/A-8204	A4	1015	2185	ST.PS/IN	PT.9L	n/a	n/a	4/A067 2/A068		J05					
021	A4	45	810	2135	HM/RF	PT.9L	GL.4	n/a	—	1 à 4/A-8201	A4	910	2185	ST.PS/FR	PT.9L	n/a	n/a	11/A-8205	45	J08		2			
022	A4	45	810	2135	HM/RF	PT.9L	GL.4	n/a	—	1 à 4/A-8201	A4	910	2185	ST.PS/FR	PT.9L	n/a	n/a	11/A-8205	45	J08		2			
023A	A4	45	864	2135	HM/RF	PT.9L	GL.4	n/a	—	1 à 4/A-8201	A4	964	2185	ST.PS/FR	PT.9L	n/a	n/a	11/A-8205	45	J08		2			
023B	EX	—	—	—	EX	PT.9L	n/a	n/a	—	—	EX	—	—	EX	PT.9L	n/a	n/a	—		—					
023C	EX	—	—	—	EX	PT.9L	n/a	n/a	—	—	EX	—	—	EX	PT.9L	n/a	n/a	—		—					
024A	EX	—	—	—	EX	PT.9L	n/a	n/a	—	—	EX	—	—	EX	PT.9L	n/a	n/a	—	45	—					

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Îles-de-la-Madeleine Airport

Terminal building upgrade - Lot 1

Section 08 00 00

DOOR AND FRAME SCHEDULE

Page 2 de 2

NO.	DOOR										FRAME								FIRE RES. (MIN)	HARDWARE GROUP	NOTES	REV.
	TYPE	DIMENSIONS			MATERIALS	FINISH	TYPE			DETAIL No.	TYPE	DIMENSIONS		MATERIALS	FINISH	TYPE		DETAIL No.				
		ELEV.	THICK	WIDHT			HEIGHT	GLAZING	FILM			LOUVER	ELEV.			THICK	HEIGHT					
024B	A4	45	915	2135	HM/IN	PT.9L	GL.4	n/a	—	1 à 4/A-8201 10/A-8204	A4	1015	2185	ST.PS/IN	PT.9L	n/a	n/a	4/A067 2/A068		D01		
024C	EX	—	—	—	EX	PT.9L	n/a	n/a	—	—	EX	—	—	EX	PT.9L	n/a	n/a	—		—	1	
025	EX	—	—	—	EX	PT.9L	n/a	n/a	—	—	EX	—	—	EX	PT.9L	n/a	n/a	—		—		
027A	EX	—	—	—	EX	PT.9L	n/a	n/a	—	—	EX	—	—	EX	PT.9L	n/a	n/a	—		—		
027B	EX	—	—	—	EX	PT.9L	n/a	n/a	—	—	EX	—	—	EX	PT.9L	n/a	n/a	—	45	—		
028	C1	51	2490	2490	SDR.2/IN	AN.F.1A	GL.12	n/a	—	6/A066 5/A068	—	—	—	—		n/a	n/a	6/A066 5/A068		D02	2	
030A	EX	—	—	—	EX	PT.9L	n/a	n/a	—	—	EX	—	—	EX	PT.9L	n/a	n/a	—		—		
031A	A4	45	915	2135	HM/RF	PT.9L	GL.6A/FR20-90	n/a	—	1 à 4/A-8201	A4	1015	2185	ST.PS/FR	PT.9L	n/a	n/a	11/A-8205	45	A02		
031B	C1	45	2490	2490	SDR.2/IN	AN.F.1A	GL.12	n/a	—	8/A067 9/A067	—					n/a	n/a	8/A067 9/A067		D02	2	
032A	A1	45	915	2135	WD.PB/P.1	PT.9L	n/a	n/a	—	—	A1	1015	2185	ST.PS	PT.9L	n/a	n/a	11/A-8205		D03		
032B	A1	45	915	2135	HM/IN	PT.9L	GL.4	n/a	—	1 à 4/A-8201 10/A-8204	A1	1015	2185	ST.PS/IN	PT.9L	n/a	n/a	4/A067 2/A068		D04		
033	A1	45	915	2135	WD.PB/P.1	PT.9L	n/a	n/a	—	—	A1	1015	2185	ST.PS	PT.9L	n/a	n/a	11/A-8205		D05		
034	A1	45	915	2135	WD.PB/P.1	PT.9L	n/a	n/a	LOUV/TR	—	A1	1015	2185	ST.PS	PT.9L	n/a	n/a	11/A-8205		A03		
035	A1	45	915	2135	WD.PB/P.1	PT.9L	n/a	n/a	LOUV/TR	—	A1	1015	2185	ST.PS	PT.9L	n/a	n/a	11/A-8205		C01		
036A	A5	45	915	2135	HM/RF	PT.9L	n/a	n/a	—	1 à 4/A-8201	A5	1015	2185	ST.PS/FR	PT.9L	n/a	n/a	11/A-8205	45	D06		
036B	B3	45	915+915	2135	HM/IN HM/RMV/IN	PT.9L	n/a	n/a	—	1 à 4/A-8201	B3	1930	2185	ST.PS/IN	PT.9L	n/a	n/a	4/A067 2/A068 12/A-8205		D07		1
037A	A1	45	915	2135	HM/RF	PT.9L	n/a	n/a	—	1 à 4/A-8201	A1	1015	2185	ST.PS/FR	PT.9L	n/a	n/a	11/A-8205	45	A04		
037B	B4	45	760+760	2135	HM/IN HM/RMV/IN	PT.9L	n/a	n/a	—	1 à 4/A-8201	B4	1620	2185	ST.PS/IN	PT.9L	n/a	n/a	4/A067 2/A068 12/A-8205		D08		1
038	B3	45	760+760	2135	HM	PT.9L	n/a	n/a	—	1à 4/A-8201	B3	1620	2185	ST.PS	PT.9L	n/a	n/a	11/A-8205	45	D09		

1.0 GENERAL

1.1 Conditions

- .1 Division 01 – General Requirements shall be read in conjunction with and shall govern this Section.

1.2 References

- .1 Comply with all standards mentioned in this specification, unless more stringent requirements are given herein.
- .2 See **Section 01 41 00** for legend of standards.
- .3 American National Standards Institute (ANSI)
 - .1 ANSI/BHMA A156.1-2013, Butts and Hinges
 - .2 ANSI/BHMA A156.2-2011, Bored and preassembled locks and latches
 - .3 ANSI/BHMA A156.3-2014 Exit Devices
 - .4 ANSI/BHMA A156.4-2013 Door Controls - Closers
 - .5 ANSI/BHMA A156.5-2014, Cylinders input devices locks
 - .6 ANSI/BHMA A156.6-2015, Architectural Door Trim
 - .7 ANSI/BHMA A156.8-2015, Door controls - Overhead Stops and Holders
 - .8 ANSI/BHMA A156.10-2011, Power Operated Pedestrian Doors
 - .9 ANSI/BHMA A156.13-2012 Mortise Locks & Latches
 - .10 ANSI/BHMA A156.14-2013 Sliding and Folding Door Hardware
 - .11 ANSI/BHMA A156.15-2015, Closer Holder, Electromagnetic and Electromechanical
 - .12 ANSI/BHMA A156.16-2013, Auxiliary Hardware
 - .13 ANSI/BHMA A156.17-2014, Self Closing Hinges and Pivots
 - .14 ANSI/BHMA A156.18-2012, Materials and Finishes
 - .15 ANSI/BHMA A156.19-2013, Power Assist And Low Energy Power Operated Doors
 - .16 ANSI/BHMA A156.21-2014, Thresholds
 - .17 ANSI/BHMA A156.22-2012, Door Gasketing and Edge Seal Systems
 - .18 ANSI/BHMA A156.23-2010, Electromagnetic Locks
 - .19 ANSI/BHMA A156.24-2012, Delayed Egress Locking Systems
 - .20 ANSI/BHMA A156.26-2012, Continuous Hinges
 - .21 ANSI/BHMA A156.31-2013, Electric Strikes and Frame Mounted Actuators
 - .22 ANSI/BHMA A156.36-2010, Auxiliary Locks
- .4 ULC-Underwriters' Laboratories of Canada (ULC)
 - .1 CAN/ULC-S533-15, Standard for Egress Door Securing and Releasing Devices
- .5 Canadian Standards Association (CSA)
 - .1 CSA B651-12 - Accessible Design for the Built Environment.
- .6 Canadian Steel Door Manufacturers Association (CSDFMA)
 - .1 Recommended Dimensional Standards for Commercial Steel Doors and Frames

1.3 Acceptable materials or products:

- .1 Wherever a trade name is indicated, see Instructions to Bidders to request approval of replacement products.

1.4 Submittals

- .1 Submit the documents and elements as per **Section 01 33 00** and the following requirements:
 - .1 Shop drawings (S.D.):
 - .1 Submit complete list of hardware items, identified by types as indicated below.
 - .2 Submit also complete hardware schedule listing each door, including hardware group numbers.
 - .3 Indicate proposed hardware, including make, model, material, function, finish, installation height and position, wiring diagrams (if applicable), other relevant information.
 - .4 Submit list of keys for approval.
 - .2 Technical data sheets (T.D.): together with the data sheets supply also templates to the door and frame manufacturers in time to allow for preparation of doors and frames.
 - .3 Operating and maintenance data (O.D.): provide a 4-hour training session to the maintenance staff of the Owner; session shall include operating procedures, the cleaning of the hardware, and how to perform preventative maintenance.
 - .4 Samples (P.S.): once reviewed and approved, the samples may be incorporated into the project at the end, when other items are installed.
 - .5 Extra materials, special tools and spare parts (E.M.): supply two sets of special tools for specified hardware, as applicable.
 - .6 Proof of purchase: after receiving shop drawing approval, provide the proof of the product purchases from each manufacturer.

1.5 Qualifications (P.Q.)

- .1 The supplier must be a AHC certified consultant and a member in good standing of DHI, Quebec chapter.
- .2 The installer of electronic hardware must be a firm with at least **5 years** experience with these types of products, have manufacturer's references and a good working knowledge of the products specified; must have a contractor's license, sub-categories 4250 and 4252, issued by La Régie du Bâtiment du Québec; must designate qualified staff to the construction site of recognized competence (CCQ and manufacturer).
- .3 Submit written proof of qualifications.

1.6 Delivery and Storage

- .1 Package each item of hardware including fasteners, separately, according to hardware group, and label each package door by door, according to door number.
- .2 Store finish hardware in locked, clean and dry area.
- .3 Maintain inventory list with hardware schedule.
- .4 Deliver keys directly to Owner, in properly identified envelopes.

1.7 Waste Management and Disposal

- .1 Waste management and disposal to be done as per **Section 01 74 21**.

1.8 Standard Warranties and Extended Warranties (S.W. / E.W.)

- .1 Warrant in writing doors and frames against fabrication and installation defects, in accordance with **Section 01 30 00**, for a determined period, as indicated below, from date of Substantial Performance of the Work:
 - .1 All door closers to carry a **10-year** warranty.
 - .2 All locksets to carry a **10-year** warranty.
 - .3 All exit devices to carry a **3-year** or **5-year** warranty.
 - .4 All electrified products to carry a **2-year** warranty.
 - .5 All other items to carry a **1-year** warranty.

2.0 PRODUCTS

2.1 General

- .1 This Section covers all materials, equipment, tools and labour required for the supply and installation of finish hardware for doors, including all required accessories.
- .2 All hardware for aluminum doors (except the hardware supplied by the door manufacturer) is supplied by this Section but installed by **Section 08 40 00** or **08 30 00**.
- .3 Unless otherwise indicated, all electronic hardware will be supplied and installed by this Section.
- .4 The Hardware groups are also indicated in **Section 08 00 00** – Door and Frames Schedule.
- .5 Cooperate with the Consultants in inspection of hardware installation at the door fabricator's plant, and at installation on site, as well as at provisional acceptance.
- .6 Include checking of existing hardware, when existing frames, doors and hardware are to be modified, and advise the Consultants if it should be necessary to repair or replace the hardware.
- Rev.2 .7 Include an allocation of **3850.00\$** + taxes for the Architect's consultant, who will proceed with the inspection of the hardware items when their installation is completed. (1 visit). If subsequent deficiencies are identified and additional inspections are required, they will be done at an additional cost of **3250.00\$** for each visit.
- .8 See **Electrical** and the **drawings** for related requirements of Electrical and Security work.
- .9 See Electrical for description of materials and installation of the following products: wiring conduits, pull boxes, junction boxes, control boxes and their 120V AC supply from the security control panels and fire alarm panels to the control box or junction box, as well as security and fire alarm panels and pull cords in the conduits.
- .10 This Section includes removal and reinstallation of existing hardware of existing doors which will be relocated.

- .11 If applicable, the card readers, recessed magnetic door contacts, blue emergency pull stations are all supplied by and installed by Electrical or the Owner.

2.2 Coordination

- .1 Closely coordinate with related Sections before supplying hardware.
- .2 Check air pressure differentials to ensure door closers are properly adjusted, and have the required force to operate properly.

2.3 Hardware Items

- .1 Unless otherwise indicated, only hardware items satisfying standards ANSI/BHMA A156 (series) are acceptable for use in this project.
- .2 Use ULC listed hardware for fire doors and exit doors.
- .3 The electronic hardware shall be as per CAN/ULC-S533, and will carry a ULC or WHI Fire label.
- .4 Use only one manufacturer's products for all similar items unless otherwise indicated.
- .5 All hardware to match make of existing unless otherwise indicated.
- .6 Substitutions will not be considered or accepted unless the procedures prescribed in the **Instructions to Bidders** and in **Section 01 60 00** are satisfied.
- .7 All hardware items to include all accessories such as mounting plates, shims, screws, bolts, drop plates, etc. required for installation and operation of hardware.

2.4 Fastenings

- .1 Provide, via the various hardware manufacturers, screws, bolts, expansion shields and other fastening devices required for satisfactory installation and operation of hardware, as per each manufacturer's recommendations.
- .2 Exposed fastening devices to match finish of hardware.
- .3 Stainless steel hardware to be fastened with stainless steel fasteners.
- .4 Where pull is scheduled on one side of door and push plate on other side, supply fastening devices, and install pull in such a manner that it can be secured through door from reverse side. Install push plate to cover fasteners.
- .5 Use fasteners compatible with the materials they penetrate.
- .6 Unless otherwise indicated, use countersunk Phillips head screws for attachment of kickplates, pushplates, etc.

2.5 Keying

- .1 It is the architectural hardware distributor's responsibility to establish the keying schedule as per Owner's requirements.

- .2 This key system will be a visual key system, with keys and cylinders identified as per Owner's requirements.
- .3 All cylinders to be master-keyed on existing master key system as per Owner's requirements, and as per system established of Schlage Everest serie.
- .4 Supply and install temporary cylinders and keys during the construction period.
- .5 Install the permanent cylinders at the end of the construction period, when required by the Owner, before he takes possession.
- .6 Leave construction keyways in place or hand them to the Owner.
- .7 Supply the following:
 - .1 3 keys per lock.
 - .2 10 copies of each master key and sub-master key.
 - .3 Construction keys as required.
 - .4 List of keys
- .8 All permanent keys, including master keys, list of keys, shall be delivered directly from the manufacturer to the Owner, at the time of installation of the permanent cylinders, in clearly identified envelopes. Tag all keys

2.6 Conduits for Electronic Hardware

- .1 By **Electrial**.

3.0 EXECUTION

3.1 Coordination

- .1 Coordinate with **Owner, door and frame manufacturers** as well as **Electrical** for proper installation of hardware and electronic hardware, including the wiring requirements.

3.2 Removal

- .1 Carefully remove existing hardware, identify with numbered tags the door number from which it is removed, and door number to which it is installed.
- .2 Store hardware properly until their reinstallation.

3.3 Installation

- .1 Install hardware in accordance with instructions and recommendations of each manufacturer, good practice, and published recommendations by DHI (Doors and Hardware Institute).
- .2 Install hardware to standard location dimensions in accordance with Recommended Dimensional Standards for Commercial Steel Doors and Frames " prepared by CSDFMA, or according to requirements of DHI ("Recommended Locations for Builder's Hardware") and hardware manufacturer's instructions.

- .3 Where door bumper makes contact with door pulls, mount bumper to strike bottom of pull.
- .4 Keep the construction cylinders of locks for the exterior door locks in place until building is delivered to Owner.
- .5 In LBSG areas or where indicated, or in the case of sanitary doors and frames, apply a sealant Type CLKG.2/BG or Type CLKG.2/MR around surface mounted articles of hardware, as well as exposed screw heads.

3.4 Installation of Electronic Hardware

- .1 Electronic hardware shall be installed by a firm specialized in such work (by this section)
- .2 All wiring, conduits, electrical boxes from the junction box up to the electrical hardware elements, are supplied and installed by **Electrical**.
- .3 Provide and install wiring (number and size according to electrical schematics) starting from control box and junction boxes (supplied and installed by this Section) to the electronic hardware.
- .4 Install all connections required for electronic hardware. Start up items and systems as per the operation and function planned by the Consultant.
- .5 Install conduits and connections at steel door and frame manufacturers plants.
- .6 Install all fittings by means of wire connectors; do not solder or sleeve-fit.
- .7 All conduits shall be installed within walls and partitions, if possible.

3.5 Verification and Adjustments

- .1 Check and adjust every item of finish hardware for each door for optimum, smooth operating condition, safety and for weather-tight closure.
- .2 Check all keys and master keys; replace defective keys and cylinders.
- .3 Check door closers after the final pressurization and balancing of the building are completed by **Mechanical**.
- .4 Make sure start up items and systems are as per the operation and function planned by the Consultant.
- .5 All installed hardware should function smoothly, without abnormal noise and blocking, with the appropriate fastenings and accessories.
- .6 Lubricate moving parts with a product as recommended by the hardware manufacturer.
- .7 Replace all items which may not be adjusted and/or will not function adequately after lubrication, at no cost to the Owner.

3.6 MANUFACTURERS' LEGEND

ARD (Les Agences Réal Demers Inc)
McKinney
Norton Door Controls
Pemko
Rixson
Rockwood
Securitron
Trimco/BBW

3.7 FUNCTIONS OF GROUPS

A	Passage
C	Classroom (Office)
D	Storeroom
E	Entry / Exit
F	Push / Pull
J	Other

3.8 LEGEND OF FINISHES

313	Brown anodized aluminium
613	Architectural bronze on brass/bronze base material
613E	Electrostatic architectural bronze
619	Brushed/satin nickel on brass/bronze base material
626	Brushed/satin chrome on brass/bronze base material
628	Extruded clear anodized aluminium
630	Brushed/satin stainless steel
689	Dull aluminium paint on plastic and /or metal base material
719	Extruded natural aluminium (Non anodised)

3.9 ABBREVIATIONS FOR HARWARE ITEMS

See full descriptions in the harwdare sets

3.10 HARDWARE ITEMS

- .1 Hinges, as per CAN/CGSB-69.18-M90 / ANSI/BHMA A156.1-1988:
See full descriptions in the hardware sets
- .2 Pivot sets, as per CAN/CGSB-69.18-M90 / ANSI/BHMA A156.1-1988:
See full descriptions in the hardware sets
- .3 Flush bolts, as per CAN/CGSB - 69.32 - M90 / ANSI/BHMA A156.16-1989:
See full descriptions in the hardware sets
- .4 Trims:
See full descriptions in the hardware sets
- .5 Locking and latching devices, as per CAN/CGSB - 69.17-M86 / ANSI/BHMA A156.2-1989:
See full descriptions in the hardware sets
- .6 Exit devices, as per CAN/CGSB - 69.19 - M93 / ANSI/BHMA A156.3-1989 :
See full descriptions in the hardware sets
- .7 Cylinders, as per CAN/CGSB - 69.21-M86 / ANSI/BHMA A156.5-1989 :
See full descriptions in the hardware sets
- .8 Electric strike:
See full descriptions in the hardware sets
- .9 Door pulls as per CAN/CGSB-69.22 - M90 / ANSI/BHMA A156.6-1986:
See full descriptions in the hardware sets
- .10 Push plates, as per CAN/CGSB-69.22 - M90 / ANSI/BHMA A156.6-1986:
See full descriptions in the hardware sets
- .11 Coordinators as per CAN/CGSB - 69.19 - M93 / ANSI/BHMA A156.3-1989:
See full descriptions in the hardware sets
- .12 Astragals:
See full descriptions in the hardware sets
- .13 Door closers, as per CAN/CGSB - 69.20 - M90 / ANSI/BHMA A156.4-1992:
See full descriptions in the hardware sets

- .14 Sliding door hardware:
See full descriptions in the hardware sets
- .15 Kick plates, as per CAN/CGSB - 69.22 - M90 / ANSI/BHMA A156.6 - 1986:
See full descriptions in the hardware sets
- .16 Door holders, as per CAN/CGSB – 69.24 – M90 / ANSI/BHMA A156.8-1988:
See full descriptions in the hardware sets
- .17 Bumpers, as per CAN/CGSB- 69.32 - M90 / ANSI/BHMA A156.16 - 1989:
See full descriptions in the hardware sets
- .18 Electro-magnets, as per CAN/CGSB-69.32 - M90 / ANSI/BHMA A156.16-1989:
See full descriptions in the hardware sets
- .19 Magnetic catches / Door contacts:
See full descriptions in the hardware sets
- .20 Saddles (thresholds), as per CAN/CGSB - 69.37-93 / ANSI/BHMA A156.21-1989:
See full descriptions in the hardware sets
- .21 Weatherstripping:
See full descriptions in the hardware sets
- .22 Door bottoms, as per CAN / CGSB - 69.37 - 93 / ANSI/BHMA A 156.2 - 1989:
See full descriptions in the hardware sets
- .23 Electrified hardware and miscellaneous electrified products:
See full descriptions in the hardware sets

3.11 HARDWARE SETS

- Hardware set A01

QTY	DESCRIPTION	FINISH	MANUFACTURER
3	Heavy-duty hinge TA786 114mm x 101mm	646	McKinney
1	Heavy-duty passage function cylindrical lockset PB 5401LN x 694 x 497 x 202	619	Yale Security
1	Heavy-duty adjustable door closer 7500 x 7700P	689	Norton
1	Self adhesive round corners protective plate K1050-6-250mm x 878mm x SA	630	Rockwood
1	Heavy-duty surface mount overhead stop 9-336	630	Rixson

- Hardware set A02

QTY	DESCRIPTION	FINISH	MANUFACTURER
3	Heavy-duty hinge TA786 114mm x 101mm	646	McKinney
1	Heavy-duty passage function cylindrical lockset PB 5401LN x 694 x 497 x 202	619	Yale Security
1	Heavy-duty adjustable door closer 7500 x DA x 7700P	689	Norton
1	Rounded corner armor plate K1050F-6-762mm x 878mm x CSK	630	Rockwood
1	Protective bar SD1260 (Install horizontal under the lockset lever on the push side of the door)	630	Rockwood
1	Oversize wall mount door stop 1277/79	619	Trimco/BBW
1	Silicone base self adhesive air gasket S773BL x 1/915mm (head) + 2/2135mm (jambs)	Black	Pemko
1	Automatic recessed door bottom with silicone inserts 420ASL x 915mm	719	Pemko

- Hardware set A03

QTY	DESCRIPTION	FINISH	MANUFACTURER
3	Heavy-duty hinge TA786 114mm x 101mm	646	McKinney
1	Heavy-duty passage function cylindrical lockset PB 5401LN x 694 x 497 x 202	619	Yale Security
1	Heavy-duty adjustable door closer 7500 x 7700P	689	Norton
1	Self adhesive round corners protective plate K1050-6-250mm x 878mm x SA	630	Rockwood
1	Oversize wall mount door stop 1277/79	619	Trimco/BBW

- Hardware set A04

QTY	DESCRIPTION	FINISH	MANUFACTURER
3	Concealed bearing hinge TA714 114mm x 101mm	646	McKinney
1	Heavy-duty passage function cylindrical lockset PB 5401LN x 694 x 497 x 202	619	Yale Security
1	Heavy-duty adjustable door closer 7500 x 7700P	689	Norton
1	Self adhesive round corners protective plate K1050-6-250mm x 878mm x SA	630	Rockwood
1	Oversize wall mount door stop 1277/79	619	Trimco/BBW
1	Silicone base self adhesive air gasket S773BL x 1/915mm (head) + 2/2135mm (jambs)	Black	Pemko
1	Automatic recessed door bottom with silicone inserts 420ASL x 915mm	719	Pemko

- Hardware set C01

QTY	DESCRIPTION	FINISH	MANUFACTURER
3	Concealed bearing hinge TA74 114mm x 101mm	646	McKinney
1	Classroom function heavy-duty cylindrical lockset PB 5408LN x 694 x 497 x 202 x YMS x L/C	619	Yale Security
1	Insert cylinder 20-747-XP-Everest x EMK x KD	626	Schlage
1	Oversize wall mount door stop 1277/79	619	Trimco/BBW
1	Silicone base self adhesive air gasket S773BL x 1/915mm (head) + 2/2135mm (jambs)	Black	Pemko
1	Automatic recessed door bottom with solid neoprene insert 434APKL x 915mm	719	Pemko

- Hardware set D01

QTY	DESCRIPTION	FINISH	MANUFACTURER
1	Heavy-duty continuous hinge CFMSLF-1100	628	Pemko
1	Storeroom function heavy-duty cylindrical lockset PB 5405LN x 694 x 497 x 202 x YMS x L/C	619	Yale Security
1	Insert cylinder 20-747-XP-Everest x EMK x KD	626	Schlage
1	Heavy-duty and adjustable parallel arm door closer PR7500 x DA x 7700P x SRI (Door closer arm install behind the air gasket at the frame header)	689	Norton
1	Self adhesive rounded corners armor plate K1050-6-762mm x 860mm x SA	630	Rockwood
1	Protective bar SD1260 (Install horizontal under the lockset lever on the push side of the door)	630	Rockwood
1	Heavy-duty oveahead concealed door stop with hold-open mecanism 1-326	630	Rixson
1	Thermal break threshold with stop and gasket 252x3AFG + 184AP x 915mm	719	Pemko
1	Silicone base self adhesive air gasket S773BL x 1/915mm (head) + 2/2135mm (jambs)	Black	Pemko
1	Air gasket with nylon brush insert 35041CNB x 1/915mm (head) + 2/2135mm (jambs)	628	Pemko
1	Door sweep with a solid neoprene insert 368CN x 915mm	628	Pemko
1	Recessed magnetic door contact DPS-M-BK	Black	Securitron
1	Electric wiring diagram section 08 71 00 SCC-DR-04-160503-D01		ARD

Note :

- Electric conduits, junction boxes and pull cords are all supply and install by the **Electricity**.
- All electrified hardware components specified in the hardware set are supply, installs and wire by the present section including all wires between them up to the junction box. The final wiring from this point to the intrusion alarm system will be complete by the **Electricity**.

- Hardware set D02

QTY	DESCRIPTION	FINISH	MANUFACTURER
1	Storeroom function heavy-duty cylindrical lockset PB 5405LN x 694 x 497 x 202 x YMS x L/C	619	Yale Security
1	Insert cylinder 20-747-XP-Everest x EMK x KD	626	Schlage
1	Protective bar SD1260 (Install horizontal under the lockset lever on the push side of the door)	630	Rockwood

Note :

- Overhead door with a man door, hardware components supply by the door manufacturer and excluded from this section, except for the lockset, cylinder and protective bar specified in the hardware set.

- Hardware set D03

QTY	DESCRIPTION	FINISH	MANUFACTURER
3	Heavy-duty hinge TA786 114mm x 101mm	646	McKinney
1	Storeroom function heavy-duty cylindrical lockset PB 5405LN x 694 x 497 x 202 x L/C	619	Yale Security
1	Insert cylinder 20-747-XP-Everest x EMK x KD	626	Schlage
1	Electric strike with build in monitoring and quick connector 4500C x Fail Secure x LBSM x 2004M x 2005M	630	HES
1	Heavy-duty adjustable door closer 7500 x DA x 7700P	689	Norton
1	Self adhesive round corners protective plate K1050-6-250m x 878mm x SA	630	Rockwood
1	Oversize wall mount door stop 1277/79	619	Trimco/BBW
1	Silicone base self adhesive air gasket S773BL x 1/915mm (head) + 2/2135mm (jambs)	Black	Pemko
1	Recessed magnetic door contact DPS-M-BK	Black	Securitron
1	Electric cable with quick connectors QC-C3000P		McKinney
1	Electric power supply BPS-24-1 + CKL + RB-4-24		Securitron
1	Electric wiring diagram section 08 71 00 SCC-DR-04-160503-D03		ARD

Note :

- Electric conduits, junction boxes, pull cords, card reader and accessories and 120V electric power source are all supply, install and wire by the **Electricity**.
- All electrified hardware components from the hardware set are supply, install and wire by this section including are required wires between them. Where required, the 120V electric power source will be wire by the **Electricity**

- Hardware set D04

QTY	DESCRIPTION	FINISH	MANUFACTURER
1	Heavy-duty continuous hinge CFMSLF-1100	628	Pemko
1	Exit only exit device 8302-83632D x MEC	630	Adams Rite
1	Latch astragal 5000T x D134	619	Trimco/BBW
1	Heavy-duty and adjustable parallel arm door closer PR7500 x DA x 7700P x SRI (Door closer arm install behind the air gasket at the frame header)	689	Norton
1	Self adhesive round corners protective plate K1050-6-250mm x 860mm x SA	630	Rockwood
1	Heavy-duty overhead recessed door stop 1-336	630	Rixson
1	Thermal break threshold with stop and gasket 252x3AFG + 184AP x 915mm	719	Pemko
1	Silicone base self adhesive air gasket S773BL x 1/915mm (head) + 2/2135mm (jambs)	Black	Pemko
1	Air gasket with nylon brush insert 35041CNB x 1/915mm (head) + 2/2135mm (jambs)	628	Pemko
1	Door sweep with a solid neoprene insert 368CN x 915mm	628	Pemko
1	Recessed magnetic door contact DPS-M-BK	Black	Securitron
1	Electric wiring diagram section 08 71 00 SCC-DR-04-160503-D04		ARD
1	Self adhesive warning sign SCC-3292-SUSEEO-FA	Rouge	ARD

Note :

- Electric conduits, junction boxes and pull cords are all supply and install by the **Electricity**.
- All electrified hardware components specified in the hardware set are supply, installs and wire by the present section including all wires between them up to the junction box. The final wiring from this point to the intrusion alarm system will be complete by the **Electricity**.

- Hardware set D05

QTY	DESCRIPTION	FINISH	MANUFACTURER
3	Concealed bearing hinge TA714 114mm x 101mm	646	McKinney
1	Storeroom function heavy-duty cylindrical lockset PB 5405LN x 694 x 497 x 202 x L/C	619	Yale Security
1	Insert cylinder 20-747-XP-Everest x EMK x KD	626	Schlage
1	Heavy-duty adjustable door closer 7500 x DA x 7700P	689	Norton
1	Self adhesive round corners protective plate K1050-6-250m x 878mm x SA	630	Rockwood
1	Oversize wall mount door stop 1277/79	619	Trimco/BBW
1	Silicone base self adhesive air gasket S773BL x 1/915mm (head) + 2/2135mm (jambs)	Black	Pemko

- Hardware set D06

QTY	DESCRIPTION	FINISH	MANUFACTURER
3	Concealed bearing hinge TA714 114mm x 101mm	646	McKinney
1	Storeroom function heavy-duty cylindrical lockset PB 5405LN x 694 x 497 x 202 x L/C	619	Yale Security
1	Insert cylinder 20-747-XP-Everest x EMK x KD	626	Schlage
1	Heavy-duty adjustable door closer 7500 x DA x 7700P	689	Norton
1	Self adhesive round corners protective plate K1050-6-250m x 878mm x SA	630	Rockwood
1	Oversize wall mount door stop 1277/79	619	Trimco/BBW
1	Silicone base self adhesive air gasket S773BL x 1/915mm (head) + 2/2135mm (jambs)	Black	Pemko
1	Automatic recessed door bottom with silicone inserts 420ASL x 915mm	719	Pemko

- Hardware set D07

QTY	DESCRIPTION	FINISH	MANUFACTURER
2	Heavy-duty continuous hinge CFMSLF-1100	628	Pemko
1	Storeroom function heavy-duty cylindrical lockset PB 5405LN x 694 x 497 x 202 x YMS x L/C	619	Yale Security
1	Insert cylinder 20-747-XP-Everest x EMK x KD	626	Schlage
1	Heavy-duty and adjustable parallel arm door closer PR7500 x DA x 7700P x SRI (Door closer arm install behind the air gasket at the frame header)	689	Norton
2	Self adhesive round corners protective plate K1050-6-250mm x 860mm x SA	630	Rockwood
2	Heavy-duty oveahead concealed door stop with hold-open mecanism 1-326	630	Rixson
1	Thermal break threshold with stop and gasket 252x3AFG + 184AP x 1830mm	719	Pemko
1	Silicone base self adhesive air gasket S773BL x 1/1830mm (head) + 2/2135mm (jambs)	Black	Pemko
1	Air gasket with nylon brush insert 35041CNB x 1/1830mm (head) + 2/2135mm (jambs)	628	Pemko
1	Security astragal with build-in top and bottom flush bolts 3443CS x 2135mm	628	Pemko
2	Door sweep with a solid neoprene insert 368CN x 915mm	628	Pemko
2	Recessed magnetic door contact DPS-M-BK	Black	Securitron
1	Electric wiring diagram section 08 71 00 SCC-DR-04-160503-D07		ARD

Note :

- Electric conduits, junction boxes and pull cords are all supply and install by the **Electricity**.
- All electrified hardware components specified in the hardware set are supply, installs and wire by the present section including all wires between them up to the junction box. The final wiring from this point to the intrusion alarm system will be complete by the **Electricity**.

- Hardware set D08

QTY	DESCRIPTION	FINISH	MANUFACTURER
2	Heavy-duty continuous hinge CFMSLF-1100	628	Pemko
1	Storeroom function heavy-duty cylindrical lockset PB 5405LN x 694 x 497 x 202 x YMS x L/C	619	Yale Security
1	Insert cylinder 20-747-XP-Everest x EMK x KD	626	Schlage
1	Heavy-duty and adjustable parallel arm door closer PR7500 x DA x 7700P x SRI (Door closer arm install behind the air gasket at the frame header)	689	Norton
2	Self adhesive round corners protective plate K1050-6-250mm x 705mm x SA	630	Rockwood
2	Heavy-duty oveahead concealed door stop with hold-open mecanism 1-226	630	Rixson
1	Thermal break threshold with stop and gasket 252x3AFG + 184AP x 1520mm	719	Pemko
1	Silicone base self adhesive air gasket S773BL x 1/1520mm (head) + 2/2135mm (jambs)	Black	Pemko
1	Air gasket with nylon brush insert 35041CNB x 1/1520mm (head) + 2/2135mm (jambs)	628	Pemko
1	Security astragal with build-in top and bottom flush bolts 3443CS x 2135mm	628	Pemko
2	Door sweep with a solid neoprene insert 368CN x 760mm	628	Pemko
2	Recessed magnetic door contact DPS-M-BK	Black	Securitron
1	Electric wiring diagram section 08 71 00 SCC-DR-04-160503-D08		ARD

Note :

- Electric conduits, junction boxes and pull cords are all supply and install by the **Electricity**.
- All electrified hardware components specified in the hardware set are supply, installs and wire by the present section including all wires between them up to the junction box. The final wiring from this point to the intrusion alarm system will be complete by the **Electricity**.

- Hardware set D09

QTY	DESCRIPTION	FINISH	MANUFACTURER
6	Concealed bearing hinge et fiche non amovible TA714 114mm x 101mm x NRP	646	McKinney
2	Manual flush bolt 3917-305mm	619	Trimco/BBW
1	Storeroom function heavy-duty cylindrical lockset avec pêne de 19mm PB 5405LN x 480B x 497 x 202 x YMS x L/C	619	Yale Security
1	Insert cylinder 20-747-XP-Everest x EMK x KD	626	Schlage
1	Heavy-duty and adjustable parallel arm door closer et arrêt PR7500 x DA x 7700P x SRI (Door closer arm install behind the air gasket at the frame header)	689	Norton
1	Surface overhead stop 10-236 (Inactive door)	630	Rixson
1	Silicone base self adhesive air gasket S773BL x 1/1520mm (head) + 2/2135mm (jambes)	Black	Pemko
1	«T» astragal with silicone base gasket 355CS x 2134mm	628	Pemko

- Hardware set F01

QTY	DESCRIPTION	FINISH	MANUFACTURER
3	Heavy-duty hinge TA786 114mm x 101mm	646	McKinney
1	Door pull with back plate and push plate set with concealed mounting 1895-4B x D134	630	Trimco/BBW
1	Heavy-duty adjustable door closer 7500 x 7700P	689	Norton
1	Self adhesive round corners protective plate K1050-6-250m x 878mm x SA	630	Rockwood
1	Self adhesive mop plate with rounded corners K1050-6-100m x 890mm x SA	630	Rockwood
1	Oversize wall mount door stop 1277/79	619	Trimco/BBW

- Hardware set E01

QTY	DESCRIPTION	FINISH	MANUFACTURER
2	Heavy-duty continuous hinge DFM95SLF-1100	313	Pemko
2	Dummy push bar 8099-00-36	313	Adams Rite
2	Vertical offset door pull RM3311MP x 2134mm x MTG 15XHD	630-316	Rockwood
1	Heavy-duty door operator and accessories SW200I x S120V x 15A x Double x Push side x Bodyguard x L021B x 3 positions switch mounted on the interior side door frame jamb + 2 / Activation switch at architect choice	313	Besam
2	Heavy-duty overhead concealed door stop 1-336	613E	Rixson

Note :

- Aluminum doors and frame, coordinate all components with their constructions.
- Electric conduits, junction boxes, pull cords and 120V electric power source are all supply, install and wire by the **Electricity**.
- All electrified hardware components from the hardware set are supply, install and wire by this section including are required wires between them. Where required, the 120V electric power source will be wire by the **Electricity**

- Hardware set E02

QTY	DESCRIPTION	FINISH	MANUFACTURER
2	Heavy-duty electrified continuous hinge with accessible quick connectors DFM83SLF-1100 x ACC-12	313	Pemko
1	Concealed vertical rod (top) electrified exit device with build in request to exit switch and latch pull back 8622TSEM2-36 x ELX	313	Adams Rite
1	Concealed vertical rod (top) electrified exit device with build in request to exit switch and latch pull back + Outside trim 8622TSEM2-36 x ELX + 8650	313	Adams Rite
1	Mortise cylinder 26-706-XP-Everest x EMK x KD	613	Schlage
2	Vertical offset door pull RM3311MP x 2134mm x MTG 15XHD	630-316	Rockwood
1	Heavy-duty door operator and accessories SW200I x S120V x 15A x Double x Push side x Bodyguard x L021B x 3 positions switch mounted on the interior side door frame jamb + Interphase + 2 / Activation switch at architect choice	313	Besam
2	Heavy-duty overhead concealed door stop 1-336	613E	Rixson
1	Electric power supply BPS-24-2 + CKL + RB-4-24		Securitron
2	Recessed magnetic door contact DPS-M-BK	Black	Securitron
2	Electric cable with quick connectors QC-C012P		McKinney
2	Electric cable with quick connectors QC-C3000P		McKinney
1	Electric wiring diagram section 08 71 00 SCC-DR-04-160503-E02		ARD

Note :

- Aluminum doors and frame, coordinate all components with their constructions.
- Threshold and gaskets supply by the aluminum doors and frames manufacturer.
- Electric conduits, junction boxes, pull cords, card reader and accessories and 120V electric power source are all supply, install and wire by the **Electricity**.
- All electrified hardware components from the hardware set are supply, install and wire by this section including are required wires between them. Where required, the 120V electric power source will be wire by the **Electricity**

- Hardware set J01

QTY	DESCRIPTION	FINISH	MANUFACTURER
2	Heavy-duty electrified continuous hinge with accessible quick connectors DFM95SLF-1100 x ACC-12	313	Pemko
1	Concealed vertical rod (top) electrified exit device with build in request to exit switch and latch pull back 8622TSEM2-36 x 24VDC x ELX	313	Adams Rite
1	Concealed vertical rod (top) electrified exit device with build in request to exit switch and latch pull back + Outside trim 8622TSEM2-36 x 24VDC x ELX + 8650	313	Adams Rite
1	Mortise cylinder 26-706-XP-Everest x EMK x KD	613	Schlage
2	Vertical offset door pull RM3311MP x 2134mm x MTG 15XHD	630-316	Rockwood
1	Heavy-duty door operator and accessories SW200I x S120V x 15A x Double x Côté à pousser x Bodyguard x L021B x Interphase x 3 positions switch mounted on the interior side door frame jamb + 2 / Activation switch at architect choice	313	Besam
2	Heavy-duty overhead concealed door stop 1-336	613E	Rixson
1	Electric power supply BPS-24-2 + CKL + RB-4-24		Securitron
2	Recessed magnetic door contact DPS-M-BK	Black	Securitron
2	Electric cable with quick connectors QC-C012P		McKinney
2	Electric cable with quick connectors QC-C3000P		McKinney
1	Electric wiring diagram section 08 71 00 SCC-DR-04-160503-J01		ARD

Note :

- Aluminum doors and frame, coordinate all components with their constructions.
- Threshold and gaskets supply by the aluminum doors and frames manufacturer.
- Electric conduits, junction boxes, pull cords, card reader and accessories and 120V electric power source are all supply, install and wire by the **Electricity**.
- All electrified hardware components from the hardware set are supply, install and wire by this section including are required wires between them. Where required, the 120V electric power source will be wire by the **Electricity**

- Hardware set J02

QTY	DESCRIPTION	FINISH	MANUFACTURER
2	Heavy-duty electrified continuous hinge with accessible quick connectors DFMSLF-1100 x ACC-12	313	Pemko
1	Concealed vertical rod (top) electrified exit device with build in request to exit switch and latch pull back 8622TSEM2-36 x 24VDC x ELX	313	Adams Rite
1	Concealed vertical rod (top) electrified exit device with build in request to exit switch and latch pull back + Outside trim 8622TSEM2-36 x 24VDC x ELX + 8650	313	Adams Rite
1	Mortise cylinder 26-706-XP-Everest x EMK x KD	613	Schlage
2	Vertical offset door pull RM3311MP x 2134mm x MTG 15XHD	630-316	Rockwood
1	Heavy-duty door operator and accessories SW200I x S120V x 15A x Double x Côté à pousser x Bodyguard x L021B x Interphase x 3 positions switch mounted on the interior side door frame jamb + 2 / Activation switch at architect choice	313	Besam
2	Heavy-duty overhead concealed door stop 1-336	613E	Rixson
2	Single electromagnetic lock M680BD x 24VDC	313	Securitron
1	Electric power supply with control module BPS-24-2 + CKL + RB-4-24 + XDT-24		Securitron
1	Wall mount Piezo sounder PZ1 x 24VDC	630	Securitron
1	Wall mount key switch MKA2 + MKSA2	630	Securitron
1	Mortise cylinder 26-706-XP-Everest x EMK x KD	630	Schlage
2	Recessed magnetic door contact DPS-M-BK	Black	Securitron
2	Electric cable with quick connectors QC-C012P		McKinney
2	Electric cable with quick connectors QC-C3000P		McKinney
2	Self adhesive warning sign SCC-3292-315FAN-V	313	ARD
1	Electric wiring diagram section 08 71 00 SCC-DR-04-160503-J02		ARD

Note :

- Aluminum doors and frame, coordinate all components with their constructions.
- Electric conduits, junction boxes, pull cords, card readers (2) and accessories, 120V electric power source and contact from the fire alarm panel are all supply, install and wire by the **Electricity**.
- All electrified hardware components from the hardware set are supply, install and wire by this section including are required wires between them. Where required, the 120V electric power source and the signal from the fire alarm panel will be wire by the **Electricity**

- Hardware set J03

QTY	DESCRIPTION	FINISH	MANUFACTURER

Note :

- Motorized sliding door. Door, frame and hardware's excluded from this section.

- Hardware set J05

QTY	DESCRIPTION	FINISH	MANUFACTURER
1	Heavy-duty electrified continuous hinge with accessible quick connectors CFMSLF-1100 x ACC-12	628	Pemko
1	Electrified mortise exit only exit device with build-in request to exit switch 8302M2-8036 x ELX x MEC	630	Adams Rite
1	Latch astragal 5000T x D134	619	Trimco/BBW
1	Heavy-duty and adjustable parallel arm door closer with spring stop arm CPS-7500 x DA x 7700P x SRI (Door closer arm install behind the air gasket at the frame header)	689	Norton
1	Self adhesive round corners protective plate K1050-6-250mm x 860mm x SA	630	Rockwood
1	Thermal break threshold with stop and gasket 252x3AFG + 184AP x 915mm	719	Pemko
1	Silicone base self adhesive air gasket S773BL x 1/915mm (head) + 2/2135mm (jambs)	Black	Pemko
1	Air gasket with nylon brush insert 35041CNB x 1/915mm (head) + 2/2135mm (jambs)	628	Pemko
1	Door sweep with a solid neoprene insert 368CN x 915mm	628	Pemko
1	Single electromagnetic lock M680BD x 24VDC	628	Securitron
1	Electric power supply with control module BPS-24-1 + CKL + RB-4-24 + XDT-24		Securitron
1	Wall mount Piezo sounder PZ1 x 24VDC	630	Securitron
1	Wall mount key switch MKA2 + MKSA2	630	Securitron
1	Mortise cylinder 26-706-XP-Everest x EMK x KD	630	Schlage
1	Recessed magnetic door contact DPS-M-BK	Black	Securitron
1	Electric cable with quick connectors QC-C012P		McKinney
1	Electric cable with quick connectors QC-C3000P		McKinney
1	Self adhesive warning sign SCC-3292-315FAN	Rouge	ARD
1	Electric wiring diagram section 08 71 00 SCC-DR-04-160503-J05		ARD

Note :

- Electric conduits, junction boxes, pull cords, 120V electric power source and contact from the fire alarm panel are all supply, install and wire by the **Electricity**.
- All electrified hardware components from the hardware set are supply, install and wire by this section

including are required wires between them. Where required, the 120V electric power source and the signal from the fire alarm panel will be wire by the **Electricity**

- Hardware set J06

QTY	DESCRIPTION	FINISH	MANUFACTURER
1	Heavy-duty electrified continuous hinge with accessible quick connectors DFM__SLF-1100 x ACC-12	313	Pemko
1	Narrow electrified mortise exit device with build-in request to exit switch, electric latch pull back and outside trim 8424SEM2-382__ x 24VDC x ELX + 8650	313	Adams Rite
1	Mortise cylinder 26-706-XP-Everest x EMK x KD	613	Schlage
1	Vertical offset door pull RM3311MP x 2134mm x MTG 15XHD	630-316	Rockwood
1	Heavy-duty adjustable door closeravec bras en saillis JL7500 x DA x 7700P x SRI x 7786/7787	690	Norton
1	Heavy-duty overhead concealed door stop 1-_36	613E	Rixson
1	Single electromagnetic lock M680BD x 24VDC	313	Securitron
1	Electric power supply with control module BPS-24-2 + CKL + RB-4-24 + XDT-24		Securitron
1	Wall mount Piezo sounder PZ1 x 24VDC	630	Securitron
1	Wall mount key switch MKA2 + MKSA2	630	Securitron
1	Mortise cylinder 26-706-XP-Everest x EMK x KD	630	Schlage
1	Recessed magnetic door contact DPS-M-BK	Black	Securitron
1	Electric cable with quick connectors QC-C012P		McKinney
1	Electric cable with quick connectors QC-C3000P		McKinney
1	Self adhesive warning sign SCC-3292-315FAN-V	313	ARD
1	Electric wiring diagram section 08 71 00 SCC-DR-04-160503-J06		ARD

Note :

- Aluminum door and frame, coordinate all components with their constructions.
- Threshold and gaskets supply by the aluminum doors and frames manufacturer.
- Electric conduits, junction boxes, pull cords, card readers (2) and accessories, 120V electric power source and contact from the fire alarm panel are all supply, install and wire by the **Electricity**.
- All electrified hardware components from the hardware set are supply, install and wire by this section including are required wires between them. Where required, the 120V electric power source and the signal from the fire alarm panel will be wire by the **Electricity**

- Hardware set J07

QTY	DESCRIPTION	FINISH	MANUFACTURER
1	Heavy-duty continuous hinge DFM__SLF-1100	313	Pemko
1	Narrow mortise lockset with pull plate 4900-36-101-313 + 4591-01-313	313	Adams Rite
1	Mortise cylinder 26-706-XP-Everest x EMK x KD	613	Schlage
1	Vertical offset push bar RM3311MP x 1830mm x MTG 15XHD	630-316	Rockwood
1	Electric strike with build in monitoring and quick connector 4500C x Fail Secure x LBSM x 2004M x 2005M	613	HES
1	Heavy-duty adjustable door closer with regular arm and mounting plate 7500 x DA x 7700P + 7786	690	Norton
1	Oversize wall mount door stop 1277/79	613	Trimco/BBW
1	Electric power supply BPS-24-1 + CKL + RB-4-24		Securitron
1	Recessed magnetic door contact DPS-M-BK	Black	Securitron
1	Electric cable with quick connectors QC-C3000P		McKinney
1	Electric wiring diagram section 08 71 00 SCC-DR-04-160503-J07		ARD

Note :

- Aluminum door and frame, coordinate all components with their constructions.
- Electric conduits, junction boxes, pull cords, card reader and accessories, 120V electric power source and contact from the fire alarm panel are all supply, install and wire by the **Electricity**.
- All electrified hardware components from the hardware set are supply, install and wire by this section including are required wires between them. Where required, the 120V electric power source and the signal from the fire alarm panel will be wire by the **Electricity**

- Hardware set J08

QTY	DESCRIPTION	FINISH	MANUFACTURER
3	Heavy-duty hinge TA786 114mm x 101mm	646	McKinney
1	Storeroom function heavy-duty cylindrical lockset PB 5405LN x 694 x 497 x 202 x L/C	619	Yale Security
1	Insert cylinder 20-747-XP-Everest x EMK x KD	626	Schlage
1	Electric strike with build in monitoring and quick connector 4500C x Fail Secure x LBSM x 2004M x 2005M	630	HES
1	Heavy-duty adjustable door closer 7500 x DA x 7700P	689	Norton
1	Self adhesive round corners protective plate K1050-6-250m x 878mm x SA	630	Rockwood
1	Heavy-duty surface mount overhead stop 9-336	630	Rixson
1	Silicone base self adhesive air gasket S773BL x 1/915mm (head) + 2/2135mm (jambs)	Black	Pemko
1	Automatic recessed door bottom with silicone inserts 420ASL x 915mm	719	Pemko
1	Recessed magnetic door contact DPS-M-BK	Black	Securitron
1	Electric cable with quick connectors QC-C3000P		McKinney
1	Electric power supply BPS-24-1 + CKL + RB-4-24		Securitron
1	Electric wiring diagram section 08 71 00 SCC-DR-04-160503-J08		ARD

Note :

- Electric conduits, junction boxes, pull cords, card reader and accessories and 120V electric power source are al supply, install and wire by the **Electricity**.
- All electrified hardware components from the hardware set are supply, install and wire by this section including are required wires between them. Where required, the 120V electric power source will be wire by the **Electricity**

LIST OF HARDWARE SETS AND DOORS

Hardware set	Door(s)
A01	017
A02	031A
A03	034
A04	037A
C01	035
D01	024B
D02	028, 031B
D03	032A
D04	032B, 006T
D05	033
D06	036A
D07	036B
D08	037B
D09	038
E01	002A
E02	012A, 016B
F01	004, 006
J01	001
J02	012B, 016A
J03	015A
J05	020B
J06	002T, 013T
J07	020A
J08	021, 022, 023A

PRE-APPROVED EQUIVALENT PRODUCTS

Specified product	Pre-approved equivalent product(s) ***
<i>Hinges</i>	<i>Hinges</i>
McKinney TA714	- Bommer LB8000 - Hager AB700
McKinney TA786	- Bommer LB8004 - Hager AB750
<i>Locksets</i>	<i>Locksets</i>
Yale Security PB 5400LN	- Corbin/Ruswin CL3100 - Sargent série FW-10
<i>Exit devices</i>	<i>Exit devices</i>
Adams Rite 8300	- Corbin/Ruswin ED5600 - Sargent 80 - Yale Security 6000
Adams Rite 8600	- Corbin/Ruswin ED4800 - Sargent 80 - Yale Security 6220
<i>Door closers</i>	<i>Door closers</i>
Norton 7500	- Corbin/Ruswin DC6000 - Sargent 351
<i>Door operators</i>	<i>Door operators</i>
Besam SW200I	- Hunter HA-8
<i>Protective plates</i>	<i>Protective plates</i>
Rockwood K1050-6	- Trimco/BBW K0050- x RC-1/4''
Rockwood K1050F-6	- Trimco/BBW K0050- x RC-1/4'' x ULc
*** Without limitation and at minimum, the equivalent product listed above must be of the same finish, the same material and included the same functional features and be as durable as the specified product in the hardware sets.	

End of Section

1.0 GENERAL

1.1 Conditions

- .1 Division 01 – General Requirements shall be read in conjunction with and shall govern this Section.

1.2 References

- .1 Comply with all standards mentioned in this specification, unless more stringent requirements are given herein.
- .2 American Society for Testing and Materials (ASTM)
 - .1 ASTM D570-98 (2010) Standard Test Method for Water Absorption of Plastics.
 - .2 ASTM D635-10, Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position.
 - .3 ASTM D638-10, Standard Test Method for Tensile Properties of Plastics.
 - .4 ASTM D695-10 Standard Test Method for Compressive Properties of Rigid Plastics.
 - .5 ASTM D2240- 05 (2010), Standard Test Method for Rubber Property-Durometer Hardness.
 - .6 ASTM D2369-10e1, Standard Test Method for Volatile Content of Coatings.
 - .7 ASTM D2794-93 (2010) Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
 - .8 ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.
 - .9 ASTM D4060-10, Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser.
 - .10 ASTM D4541-09e1, Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers.
 - .11 ASTM F2170-11 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes.
 - .12 ASTM F2659-10, Standard Guide for Preliminary Evaluation of Comparative Moisture Condition of Concrete, Gypsum Cement and Other Floor Slabs and Screeds Using a Non-Destructive Electronic Moisture Meter.
 - .13 ASTM G21-13, Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
- .3 Canadian Standards Association (CSA)
 - .1 CSA A23.1-14/A23.2-14 Concrete Materials and Methods of Concrete Construction / Test Methods and Standard Practices for Concrete.
 - .2 CSA B651-12 - Accessible Design for the Built Environment.
- .4 Green Seal (GS)
 - .1 GS-11, Green Seal Standard for Paints and Coatings
- .5 International Concrete Repair Institute (ICRI)
 - .1 ICRI Guideline No. 310.2R-2013, Selecting and Specifying Concrete Surface Preparation for Sealers, coatings and Polymer Overlays.
- .6 South Air Quality Management District, California State (SCAQMD)
 - .1 SCAQMD Rule 1113-11, Architectural Coatings

- .7 Underwriters Laboratories of Canada (CAN/ULC)
 - .1 CAN/ULC S102-10, Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

1.3 Submittals

- .1 Submit the documents and elements as per **Section 01 33 00**, taking also into consideration the following precisions:
 - .1 Field reports (F.R.):
 - .1 Submit test reports indicating humidity levels of existing and new concrete floors.
 - .2 See also **Field Quality Control** below.
 - .2 Product samples (P.S.): extreme care must be given to provide smooth, even surfaces to minimize visible application marks.

1.4 Acceptable Materials or Products:

- .1 Wherever a trade name is indicated, see Instructions to Bidders to request approval of replacement products.

1.5 Qualifications (P.Q.)

- .1 Finishes to be installed by qualified installers approved by the material manufacturers.
- .2 Submit written proof of qualifications.

1.6 Handling and Storage

- .1 Handle and store materials in such a manner that no damage will be done to materials or work.
- .2 Store materials in weathertight spaces, raise clear off ground so that materials are protected from weather, dampness and deterioration. Do not use materials that have been damaged by exposure to moisture or by any other cause. Temperature of storage area shall be maintained between 16°C and 32°C.
- .3 Store materials packaged, undamaged, in their original wrappings or containers with manufacturer's labels and seals intact.
- .4 Store solvent base products away from excessive heat and open flame and in approved designated area.
- .5 Comply with all health and fire regulations for storage and handling.
- .6 Clean storage areas at the end of the work.

1.7 Job Conditions

- .1 Check the requirements given below and follow the manufacturer's instructions concerning the optimum environmental conditions.
- .2 Maintain surfaces and ambient air temperature between 13°C and 26°C for a minimum of 72 hours before, during and after application. Maintain similar temperature in storage areas. Do not apply finishes if these conditions are not met.

- .3 Provide adequate ventilation during and after application and the drying.
- .4 Maintain ambient relative humidity to the level recommended by the manufacturer, and in any case, never more than 80%.
- .5 Do not permit installation of fixtures and fittings until materials are cured.
- .6 Do not allow smoking, post adequate signs.
- .7 Work under adequate ambient illumination, similar to final lighting conditions.
- .8 Take protective measures for safety during application.

1.8 Waste Treatment

- .1 Waste treatment to be done as per **Section 01 74 21**.

1.9 Extended Warranty (E.W.)

- .1 As for the Work of the present **Section 09 67 00**, The 12 months' is extended for a period of 36 months', against all manufacturing and application defects including cracking, crazing, surface deterioration or any other defects detrimental to the appearance or strength of the substrate or the finishes.

2.0 PRODUCTS

2.1 General

- .1 This Section covers all materials, equipment, tools and labour required for the supply and application of the following special flooring.
- .2 See **Section 09 61 00** for the description of products for floor preparation, and for their application.
- .3 Unless otherwise instructed, certain related products, specified elsewhere as indicated, are to be supplied and installed by this Section, for the work of this Section.
- .4 This Section includes patching and repairing of existing damaged flooring (in work area) and applying the finish and protection coats, on the totality of affected surfaces, unless otherwise indicated – Determine extent with the Departmental representative.
- .5 See **drawings** and **Section 09 00 00 - Finish Schedule** for location, types and colours of special flooring included.
- .6 Materials should come from nationally known manufacturers and conform to or surpass standards mentioned herein.
- .7 Ensure the compatibility of all products coming in contact with each other and of each product with the materials within or applied to its substrate.
- .8 Primers should be as recommended by manufacturers.

- .9 Flooring materials to conform to regulatory requirements for surface burning characteristics.
- .10 The physical and chemical properties of each product: according to the technical data sheet of the accepted manufacturer.
- .11 Prepare mixes according to the manufacturer's instructions.
- .12 Colour and texture, to be selected by the Departmental representative from the manufacturer's standard product chart or to match existing, unless otherwise indicated.
- .13 Any name of an acceptable manufacturer, supplier or product model mentioned below is given only as a reference for a minimum level of quality.

2.2 Materials

LEGEND							
Characteristics of Floor or Wall special Finishes	Abbrev.		Surface Preparation of Concrete	Abbrev.		Surface Preparation of Steel	Abbrev.
Epoxy Coating	E		Acid Etching	CSP 1		Chemical Cleaning	SSPC-SP-1
Polyurethane Coating	P		Grinding	CSP 2		Hand Tool Cleaning	SSPC-SP-2
Acrylic coating	A		Light Shotblast	CSP 3		Power Tool Cleaning	SSPC-SP-3
Water Based	WB		Light Scarification	CSP 4		Flame Cleaning of New Steel	SSPC-SP-4
Solvent Based	SB		Medium Shotblast	CSP 5		Whire Metal Blast Cleaning	SSPC-SP-5 (NACE 1)
Zero Volatile Organic Compounds	0 VOC		Medium Scarification	CSP 6		Commercial Grade Blast Cleaning	SSPC-SP-6 (NACE 3)
Low Volatile Organic Compounds	LOW VOC		Heavy Abrasive Blast	CSP 7		Brush-Off Blast Cleaning	SSPC-SP-7 (NACE 4)
Not Porous System	NP		Scabbled	CSP 8		Pickling	SSPC-SP-8
Trowelled System	TR		Heavy Scarification	CSP 9			SSPC-SP-9
Smooth Finish	S					Near White Metal Blast Cleaning	SSPC-SP-10 (NACE 2)
Antiskid Finish	AS					Power Tool Cleaning to Bare Metal	SSPC-SP-11
Orange Peel Finish	OP					High and Ultra-High Pressure Water Jetting	SSPC-SP-12 (NACE 5)
Textured Finish	TX						SSPC-SP-13
Self-Levelling	SL					Industrial Blast Cleaning	SSPC-SP-14 (NACE 8)
Corrosion Resistant	CR					Commercial Grade Power Tool Cleaning	SSPC-SP-15
Thermal Shock Resistant	TC						
Vertical	V						
Conductive	C						
Static Dissipative	SD						
Acid Etching	AE						
Mechanical Preparation	MP						
Approuved by Canadian Food Inspection Agency	CFIA						

Identification	Description	Coats / Integral bases	Acceptable products	Application for:
Polyurethane based coatings for floor finish				
Type SFC.5 – Pigmented aliphatic polyurethane floor coating, smooth finish, Glossy	Two-component smooth aliphatic urethane coating, abrasion and UV resistant, glossy finish with polypropylene antiskid agent.	Primer: - One coat of 50 microns dry film, (125 microns wet film) for metal surfaces Primer : one coat of 250 microns dry film for concrete surfaces	<u>Sika Duochem version:</u> "Sikagard Cor-Pro 470" (primer for metal surfaces) "Sikafloor Duochem 9205" (primer for concrete surfaces) "Sikafloor Duochem 942" "Duochem 6" (antiskid agent)	For abrasion, chemicals and solvents resistant surfaces.
	P / SB / S / MP / CPS-3 And 4	Finish : two coats of 57.5 microns dry film per coat		
		Antiskid agent in the second coat.		
		Primer: - One coat of 50 microns dry film for metal surfaces - One coat of 250 microns dry film for concrete surfaces Finish : two glossy coats of 50-75 microns dry film per coat Antiskid agent in the second coat.	<u>Stonhard version:</u> "Rustbond" (primer for metal surfaces) "Stonkote GS4 Primer" (primer for concrete surfaces) "Stonseal UT7" (2 couches, finition brillante) Fin grit 70 silica sand (antiskid agent)	
			<u>Rust-Oléum version:</u> "9800" System And related products	
			Replacement product approved by addenda in accordance with bidders instructions	

2.3 Accessories

- .1 Type CLKG.8 – Epoxy/polysulphide joint filler: two components, to fill saw-cuts and in concrete slabs and joints in mechanical rooms concrete slabs

- .2 Type TRIM/F.1 – Transition or finishing trims for floors: jointless white alloy zinc angles and other trims, mill finish, having the proper height as recommended by flooring manufacturer. Trims must resist chemicals and cleaning agents.

3.0 EXECUTION

3.1 General

- .1 Do not apply flooring on sealants, unless they are compatible and completely dry.
- .2 Do not cover expansion joints with floor finishes. Treat them as indicated.
- .3 Install Type TRIM/F.1 transition trims where required at unprotected edges, at centerline of doors, at junction of different colours (with flooring of considerable thickness), etc., according to manufacturer's recommendations, and/or as indicated.
- .4 Match finished work to approved samples; obtain uniform thickness, sheen, colour, pattern and texture; and make free from defects detrimental to appearance or performance.
- .5 Obtain the Ministerial representative approval for the texture and the anti-skid properties of the finish
- .6 Flooring installation includes the application to sides and tops of all curbs and housekeeping pads. and other adjacent surfaces, as per indications.
- .7 Separate with a clean cut line existing and new surfaces.
- .8 Install flooring throughout the entire floor areas prior to the installation of built-in furniture.
- .9 See **Section 09 61 00** for the concrete slabs required conditions.

3.2 Coordination

- .1 See **Section 09 61 00**.
- .2 Coordinate with **Division 03** if necessary, to ensure that curing of the new concrete is completed, and that it doesn't contain any sealing or curing agent that might be harmful to the application of the finish products.
- .3 Coordinate with subsequent trades, to ensure that other related work does not commence before finishes are completely cured.
- .4 Coordinate with Sections related to substrates, to ensure they are prepared adequately; if they are factory primed, to ensure they have compatible primers.
- .5 Coordinate with the manufacturers to ensure compatibility of substrate preparation products with finishing products.
- .6 Verify with the Departmental representative the type and slip resistance of the anti slip agent before application.

- .7 Before submitting samples and starting work, hold a coordination meeting with all the Subcontractors and manufacturers involved, in the Consultants' presence, clarify all procedures and establish expected quality of work.
- .8 Schedule work to be completed before installation of fixtures, fittings and application of other finishes for floors, walls and ceilings. Coordinate with applicable installers.

3.3 Examination

- .1 See **Section 09 61 00**.
- .2 Ensure that the new structural substrate has been conceived to prevent any unexpected cracks or caused by deflexion.
- .3 Do adherence test before beginning the work to ensure compatibility between new and existing floorings and coatings. Also, do a test of the cleaning process to ensure sufficient adhesion of new coating.
- .4 S'assurer que le taux d'humidité dans le substrat ne dépasse pas la limite recommandée par les manufacturiers de l'adhésif et du revêtement.
- .5 Ensure substrate and primers are completely cured before applying finishes.
- .6 Ensure variations in substrate do not exceed 3 mm in 3 m ($\frac{1}{8}$ " in 10'-0"). Ensure deviations or deteriorated concrete are corrected prior to start of work.
- .7 Notify any apparent deficiencies to the Departmental representative in writing prior to commencing work.
- .8 Ensure that floor has the required uniform slopes to drains prior to installation of finishes; if not, correct before starting.
- .9 Commencement of work shall imply acceptance of surfaces and conditions.

3.4 Protection Before and During Application

- .1 Prohibit dust generating activities in or near work areas during application and until finishes are fully cured.
- .2 Protect areas where special coatings are installed from dust and other dirt, if any, using temporary partitions or other means.
- .3 Adequately protect adjacent surfaces and equipment from splashing of coatings and other damages caused by the work of this Section. If necessary, remove prefinished elements temporarily during execution. Mask and cover adjacent surfaces, joint sealers and surfaces to receive joint sealers, fixtures, equipment, etc. by suitable means. Remove temporary protection upon completion of work, clean and touch-up adjacent objects to return them to their initial state.
- .4 Prohibit traffic and installation of other work until finishes are completely cured.

3.5 Preparation of Floors

- .1 See **Section 09 61 00**.

3.6 Application – General requirements

- .1 Apply primer and finishing with appropriate clean and functional tools (brush, roller, notched squeegee, sprayer) at the appropriate time after the concrete pouring and according to the manufacturer's instructions and according to indications.
- .2 Apply a 75mm wide and 100 microns dry film thickness or more stretch layer of the product on the substrate cracks.
- .3 Apply successive coats as indicated in the table above. Add more coats if required.
- .4 If required, recoat with a short hair roller after the squeegee application to obtain an anti slip surface according to the manufacturer instructions.
- .5 Allow proper cure time between applications of subsequent layers or coats.
- .6 When using liquid finishes, avoid puddles formation and wipe surplus.
- .7 Always sand and vacuum clean between subsequent coats.
- .8 Obtain thicknesses as indicated.
- .9 Add the antiskid agent according to indications.
- .10 Touch up and refinish deficiencies. If finished work is unsatisfactory to the Departmental representative, redo the entire unaccepted surfaces.

3.7 Field Quality Control (F.R.)

- .1 Make arrangements for qualified representative of the manufacturer to visit site regularly during mock-up execution, surface preparation, application and acceptance. Have representative check products are applied in accordance with their recommendations. Notify the Departmental representative in advance of visits. Prepare and submit reports of observations to the Departmental representative.
- .2 In presence of the Departmental representative and manufacturer's representative, verify flooring thickness with appropriate instruments, and keep record.
- .3 Before starting work, verify humidity levels of the substrates using appropriate control instruments and submit a report according to **Sections 01 33 00** and **01 45 00**, without any additional cost to the Owner.
- .4 See also **Section 09 61 00**.

3.8 Cleaning

- .1 Do cleaning as per **Section 01 74 11**.

- .2 Dispose of debris and unused material off site.
- .3 Leave area clean, in a condition acceptable to the Consultants.

End of Section



Q	3	0	3	Q	6	0	4	A	0	3	6
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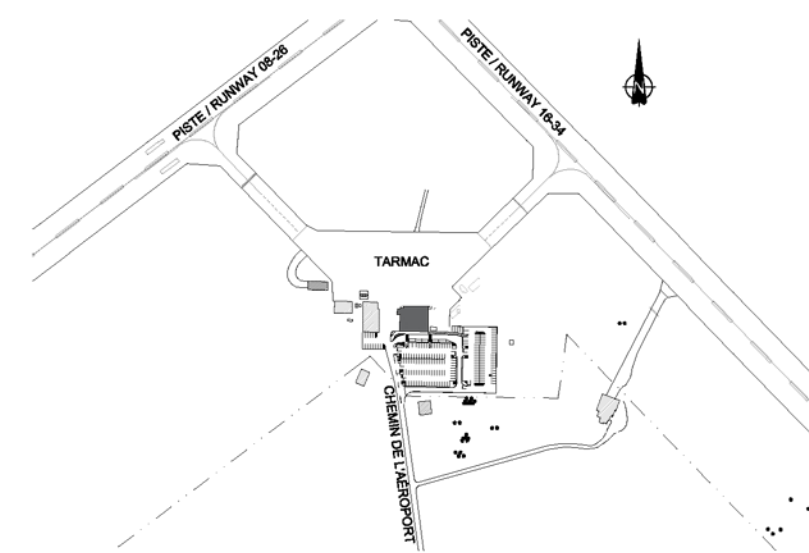
- x — x — CLÔTURE DE CHANTIER AVEC JERSEY, VOIR CIVIL./
CONSTRUCTION SITE FENCE BUILT ON NEW-JERSEY, SEE CIVIL.
- x — x — NOUVELLE CLÔTURE DE CHANTIER, VOIR CIVIL./
NEW SITE FENCE, SEE CIVIL

- 11
- PORTE TEMPORAIRE AVEC CLOISON TEMPORAIRE DE CHANTIER.
HAUTEUR : JUSQU'AU PONTAGE D'ACIER.
BO.C.1 PANNEAU DE CONTREPLAQUE, BON UN CÔTÉ, 16mm
COL.AC.1/GY COLOMBAGE D'ACIER, GALVANISÉ 92mm x
(CAL. 18 = 1.087mm) @ 300mm c/c.
ISOL.12/AC ISOLANT DE FIBRE MINÉRALE EN NATTES
ACOUSTIQUES.
COUPE-VAPEUR EN POLYÉTHYLÈNE DU CÔTÉ INTÉRIEUR
GY.P.3 PANNEAU DE GYPSÈ PARE-VAPEUR, RÉSISTANT À
L'HUMIDITÉ ET À LA MOISSISURE, 16mm.
FOURNIR 6 FÊMETRES DE 1220mm x 650mm @ 1800mm
DU PLANCHER, AVEC CADRE EN ACIER, SCELLER AU
POURTOUR DU CADRE ET VITRAGE DE TYPE BROCHE
"GEORGIAN".
- TEMPORARY DOORS WITH TEMPORARY EXTERIOR SITE PARTITIONS,
HEIGHT: UNDER STEEL DECK
W.D.P.1 WOOD PANEL, PLYWOOD, GOOD ONE SIDE, 19mm.
ST.SD.1/GY STEEL STUD SYSTEM, REGULAR, GALVANIZED 92mm x
(CAL. 18 = 1.087mm) @ 300mm c/c.
INSUL.12/AC MINERAL FIBRE ACOUSTICAL BATT INSULATION.
POLYETHYLENE VAPOUR BARRIER MEMBRANE
GY.P.3 GYPSUM BOARD, HUMIDITY RESISTIVE, 16mm
INSTALL 6 WINDOWS 1220mm x 650mm @ 1800mm IN FLOOR, WITH
STEEL FRAME, SEALED ALL AROUND AND WITH GEORGIAN WIRED
GLASS.
- 12
- DÉMOLIR LE BÂTIMENT EN CIMENT ARMÉ POUR PERMETTRE L'ACCÈS AU
CHANTIER. FOURNIR UN SEUIL MÉTALLIQUE TEMPORAIRE. FOURNIR UNE
FÊMETRE AU POURTOUR DE L'OUVERTURE, PRÊTE À REÇEVOIR LE
CADRE TEMPORAIRE.
- DEMOLISH EXISTING WALL FROM SLAB TO WINDOW SILL, REMOVE
WINDOW, FOR TEMPORARY ENTRANCE. PROVIDE A TEMPORARY METAL
SILL. PROVIDE AN ENCLOSURE AROUND THE OPENING TO RECEIVE THE
TEMPORARY DOOR FRAME.

PLAN D'AMÉNAGEMENT TEMPORAIRE/ TEMPORARY LAYOUT PLAN



PLAN CLÉ / KEY PLAN



LÉGENDE / LEGEND

NON POUR CONSTRUCTION
NOT FOR CONSTRUCTION

3	G.M.	2016/07/06	M.S.	ADDENDA N°02 / ADDENDUM N°02
2	G.M.	2016/06/27	M.S.	ADDENDA N°01 / ADDENDUM N°01
1	G.M.	2016/06/10	M.S.	ÉMIS POUR / ISSUED FOR SOUMISSION
No.	Par By	Date	Approuvé Approved	Révisions Revisions



Échelle IDENTIFIÉE AU DESSINS / ON DRAWING

Site
AÉROPORT DES ÎLES-DE-LA-MADELEINE AIRPORT

Projet MISE AUX NORMES DE L'AÉROGARE - LOT 1
Project TERMINAL BUILDING UPGRADE - LOT 1

Description		PLAN D'AMÉNAGEMENT TEMPORAIRE TEMPORARY LAYOUT PLAN	
Chargé de projet Project supervisor	ANDRÉ LECLERC	Conçu par Designed by	G.M.
Direction cliente Client branch	NHA	Dessiné par Drawn by	T.R.
Gestionnaire Manager	ALEXANDRE FAILLE	Vérifié par Checked by	M.S.
No. projet Project no.	R.053680.001	Date Date	JUIN 2016
Pour fins administratives		For administrative purposes	

ALEXANDRE FAILLE

Gestionnaire de projets - USC MPO/TC

Q	3	0	3	Q	6	0	4	A	0	3	7
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