



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
PWGSC/TPSGC Acquisitions Bid
Receiving/Réception des Soumissions
126 Prince William Street/
126, rue Prince William
Saint John
New Brunswick
E2L 2B6
Bid Fax: (506) 636-4376

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Public Works Government Services Canada-Bid
Receiving / Réception des soumissions
126 Prince William Street/
126, rue Prince William
Saint John
New Bruns
E2L 2B6

Title - Sujet Amphitheater Replacement	
Solicitation No. - N° de l'invitation EC015-190461/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client EC015-190461	Date 2018-07-13
GETS Reference No. - N° de référence de SEAG PW-\$PWB-101-4325	
File No. - N° de dossier PWB-8-41017 (101)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-07-24	Time Zone Fuseau horaire Atlantic Daylight Saving Time ADT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Lomax (PWB), Sandra	Buyer Id - Id de l'acheteur pwb101
Telephone No. - N° de téléphone (506) 639-8503 ()	FAX No. - N° de FAX (506) 636-4376
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Cette modification de l'invitation numéro 1 est soumise et comprend la modification numéro 1 suivante.

La modification qui suit apportée aux documents de soumission entre en vigueur dès maintenant. L'addenda fera partie des documents de contrat.

Toutes autres conditions ne changent pas

PROLONGATION

Veillez prendre avis que la date limite de réception des soumissions dû le 17 juillet 2018 est reportée à **14h00 le 24 juillet 2018**

SPECIFICATIONS

1. Ref. Section 08 71 00
 1. Replace entirely original specification section and replace with the appended section 08 71 00 Door Hardware.

PART 1 - GENERAL

1.1 WORK INCLUDED

- .1 Furnish, deliver and install finish hardware.
- .2 It is intended that the following list of hardware will cover finish hardware to complete the project. Bring to the Architect's attention any omissions, discrepancies that will affect work in this section during the bidding period.

1.2 RELATED SECTIONS

- .1 General Requirements Division 1
- .2 Section 08 10 00 - Metal Doors and Frames
- .3 Division 26 - Electrical
- .4 Division 28 Electronic Safety and Security

1.3 PRODUCTS SUPPLIED BUT NOT INSTALLED IN THIS SECTION

- .1 Power supplies, compressor/control boxes, junction boxes installed by Division 26.

1.4 REFERENCES

- .1 Door and Hardware Institute - Recommended locations for Architectural Hardware for Standard Steel Doors and Frames

1.5 SUBMITTALS

- .1 Submit Hardware Schedule in accordance with Section 01 33 00 - Submittal Procedures or as noted below.
 - .2 Submit an electronic copy of Finish Hardware Schedule for approval. Schedule shall be written in accordance with DHI Sequence and Format for vertical hardware schedule publication. Schedule shall reference item and door number to hardware set specified. Door index to be included referencing the door number to scheduled item number.
 - .3 Provide template drawings as requested.
 - .4 Door and Hardware Institute - Recommended locations for Architectural Hardware for Flush Wood Doors
-

- .5 NFPA 80-Standard for Fire Doors and Windows, 1999 Edition
- .6 Door and Hardware Institute - Sequence Format for Hardware Schedule
- .7 Door and Hardware Institute - Key Systems and Nomenclature
- .8 Door and Hardware Institute - Abbreviations and Symbols used in Architectural Door and Hardware Schedules and Specifications
- .9 Door and Hardware Institute - Installation Guide for Doors and Hardware

1.6 SUBMITTALS

- .1 Updated Finish Hardware Schedule: Submit submittals in accordance with Section 01 30 00 Submittal Procedures. Prepare detailed hardware schedules in Door and Hardware (DHI) vertical format as detailed in Reference 1.4.4.
 - .2 Product Data: Submit in a three ring binder six (6) copies of product data sheets with the finish hardware schedule showing items of hardware to be used on the project.
 - .3 Samples: When requested in writing, provide (to the Consultants Site Office) one sample of each hardware item complete with fasteners, within thirty (30) calendar days of award of a purchase order. Samples to be clearly labeled with their hardware schedule designation and manufacturers' name and model number. Samples will be incorporated into the work.
 - .4 Templates: Submit templates within to related trades when requested.
 - .5 Keying Schedule: After a keying meeting between representatives of the Owner, Architect and hardware supplier furnish a keying schedule listing the levels of keying as well as an explanation of the key system's function, the key symbols used and the door numbers controlled. Utilize "Door and Hardware Institute - Key Systems and Nomenclature" as a guideline for nomenclature, definitions, and approach for selecting the optimal keying system. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion. Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
-

- .6 Wiring Diagrams Co-ordinate with related trades, meet with the owner and security provider and submit a written description of the functional use (mode of operation) of electrical hardware products specified. Include operation for ingress, egress, fire alarm, and after hours use where applicable. Include door and frame elevations showing the location of each item of electrical hardware to be installed, mode of operation including a diagram showing number and size of conductors. Indicate on elevation drawing items provided by related trades, include for back boxes, and 120V power sources. Provide point to point drawings showing terminal connections necessary for a complete installation.
- .7 Operations and Maintenance Data Prior to Substantial Completion, furnish to the owner, two (2) copies of an owner's operation and maintenance manuals in a three ring binder with the following information:
 - .1 Name of hardware distributor, address and contact name
 - .2 Copy of final "as-built" finish hardware schedule
 - .3 Wiring diagrams, elevations, risers, point to point
 - .4 Copy of final keying schedule
 - .5 Copies of floor plans with keying nomenclature assigned to door numbers as per the approved keying schedule
 - .6 Catalogue cut sheets and product specifications for each product
 - .7 Parts list for each product
 - .8 Installation instructions and templates for each product

1.7 QUALITY ASSURANCE

- .1 Alternates Only approved products specified are accepted. Make alternate requests in accordance with Division 1. Include product data and indicate benefit to the project.
- .2 Supplier Qualifications Successful hardware distributor to have a minimum of five (5) years' experience in the door and hardware industry. Distributor to have on staff an Architectural Hardware Consultant (A.H.C.) whose name will be listed on the hardware schedule title page submittal and will be responsible for scheduling, detailing, (see Reference 1.5.4) ordering and co-ordination of the finishing hardware for this project. If so requested by the Architect and or installer this individual will be required to visit the jobsite for any installation problems that may occur.

1.8 DELIVERY, STORAGE AND HANDLING

- .1 Marking and Packaging: Mark cartons with heading number, door number, and key-set symbol where applicable in original packaging provided by the manufacturer. Pack packaged hardware in suitable wrappings and containers to protect it from damage during shipping and storage. Enclose accessories, fastening devices and other loose items with each applicable item of hardware.
- .2 Delivery: Deliver hardware to related trades.
- .3 Storage: Store in a clean, dry room with lockable man door and adequate shelving to permit organization so item numbers are readily visible.

1.9 WARRANTY

- .1 Mortise Hinges - 1 year.
- .2 Locks (ND cylindrical) - 10 years.
- .3 Locks (Mortise) - 3 years.
- .4 Exit Devices - 3 years.
- .5 Door Closers - Mechanical 4040XP series - 30 years.
- .6 Door Closers - Mechanical 1460 series - 30 years.
- .7 Overhead Stops/holders - 1 year.
- .8 Floor/Wall stops - 1 year.

1.10 MAINTENANCE

- .1 Maintenance Service: After the building is occupied arrange an appointment with the maintenance staff from the facility for instruction of proper use, servicing, adjusting and lubrication of hardware furnished. Submit to the consultant a list of attendees and meeting date.
 - .2 Extra Materials: Provide the following items in proper manufacturer's cartons once the job has been completed:
 - .1 5 of each installation tool used for locks/passage/privacy, type of door closers, and exit devices.
-

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- .1 Products listed in the hardware groups are from the manufacturers listed below:
 - .1 Full Mortise Hinges: Manufactured by Ives
 - .2 Locksets, Latchsets/Deadbolts: Manufactured by Schlage
 - .3 Cylinders: Manufactured by Schlage
 - .4 Exit Devices: Manufactured by Schlage Von Duprin
 - .5 Door Closers: Manufactured by LCN
 - .6 Overhead Door Holders/Stops: Manufactured by Glynn Johnson
 - .7 Door Pulls/Flatware: Manufactured by Ives
 - .8 Wall/Floor Stops: Manufactured by Ives
 - .9 Weather/Smoke/Sound Seals: Manufactured by KN Crowder
 - .10 Door Sweeps/Thresholds: Manufactured by KN Crowder

2.2 MATERIALS

- .1 Screws and Fasteners: Screws and fasteners to be matching finish to their product and to be manufacturer's standard. Door closers, door holders and exit devices installed on fire rated wood doors and hollow metal doors to be attached with fasteners to meet code requirements.
 - .2 Materials-Acceptable Manufacturers (Note: Supply products in a given category from the same manufacturer):
 - .1 Mortise Hinges: Provide five knuckle bearing hinges with NRP option on reverse bevel doors with locking hardware. Hinge width to accommodate door closer projection, door trim and allow for 180-degree swing. Doors up to 2286mm in height, supply 3 hinges, doors greater than 2286mm in height add one hinge for every additional 760mm of door height. Doors 915mm wide and less furnish 114 mm high hinges, doors greater than 915mm wide furnish 127mm high hinges, heavy weight or standard weight as specified. Supply ferrous (steel), stainless steel material for all interior and/or fire-rated doors and stainless steel for exterior doors.
 - .1 As Specified: Ives Hinges, 5BB1, McKinney TA2714, Stanley FBB179
 - .2 Locksets/Deadlocks/Privacy Sets:
 - .1 Cylindrical: Extra heavy duty residential, commercial, institutional and industrial applications. Latch bolts to be steel with minimum ½" throw deadlocking on keyed and exterior functions. =" throw anti-friction latchbolt on pairs of fire doors. Provide manufacturer's standard wrought box strike for each latch or lock, with curved lip extended to protect frame. Locks and latchsets tested to exceed 8,000,000 cycles. Provide molex connections for electrified functions as a standard. Lock
-

case to be steel, incorporate one piece spring cage and spindle. Precision solid brass 6-pin cylinder with nickel silver keys available in Schlage keyways. Levers to be solid with no plastic inserts.

.1 Acceptable Products: Schlage "ND" series, Best 9K series, Sargent 11 Series

.2 Mortise: Grade 1 Operational, Grade 1 Security, mortise lock for commercial and institutional buildings. Manufacture lock cases from fully wrapped, heavy 12 gage steel with a protected leading edge and screw configuration that limits access to operating parts. Lock components to be manufactured of zinc dichromate plated steel. Latch bolts to have a standard 2 =" backset with a full =" throw. Latchbolts to be non-handed, field reversible without opening the lock case. Latchbolts to be 2 piece anti-friction, manufactured from stainless steel. Solid latchbolts and/or plastic anti-friction devices are not acceptable. Deadbolts to be 1 =" total length have standard 1" throw with a minimum =" internal engagement when fully retracted. Deadbolts to be constructed of stainless steel, incorporating a security roller pin with a minimum Rc60 rating for surface hardness. Lever assembly (external) to be one piece design attached by threaded bushing. Lever assembly (internal) to be attached by screw less shank. Lever attachments by common tools (allen nuts and/or set screws) are not acceptable. Thru bolt lever assemblies through the door for positive interlock. Levers to have independent rotation in both directions. Lever operation to be freewheeling (clutch) when in the locked mode. Spring cages are to be incorporated into the lever assemblies. Hub blocking plate to be solid, cast stainless steel. Manufacturers utilizing open hub designs are not acceptable. Spindles to be independent, designed to "break away" at a maximum of 75psi torque. Mounting tabs are to be automatic self-adjusting, vertically and horizontally for door bevel and strike alignment. Cylinders to be secured by a cast stainless steel, dual retainer. Manufacturers utilizing screws and/or stamped retainers are not acceptable.

.1 Supply as Specified: Schlage "L" series, Best 45H series, Dormakaba ML 2000series

.3 Exit Devices/Device Trims/Mullions:

.1 Heavy Duty: Exit device to be cUL listed for panic hardware and fire exit hardware. Supply panic hardware and fire exit devices featuring coil compression springs on device mechanism subassemblies and dead latching mechanisms for active latch bolts. Supply exit devices with smooth mechanism case and "the quiet one" fluid dampener to eliminate noise associated with exit device operations. Non-handed device with touchpad assemblies with no exposed fasteners and cast end caps, reinforced aluminum with stainless steel touchpad and raised edge to minimize pinching. Roller strikes to be standard on rim

and surface vertical rod devices, mortise exit devices (626) complete with strikes that match the same finish as the device. Doors greater than 950mm wide supply long bar exit devices, doors greater than 2134mm high supply extension rods for surface vertical rod series.

1,000,000cycle testing independently certified by ETL.

.1 Supply as Specified: Von Duprin 98 series, Dorma 9300 series, Precision Apex 2000 series

.4 Door Closers:

.1 Door closers to have the following features:

.1 Fully hydraulic, rack and pinion action with high strength cast iron cylinder piece forged steel pistons.

.2 Include high efficiency, low friction pinion bearings.

.3 Hydraulic fluid of a type requires no seasonal adjustments, ULTRA X TM fluid has constant temperature control from -35 degrees Celsius to +49 degrees Celsius.

.4 Hydraulic regulation controlled by tamper-proof, non-critical screw valves, adjustable with a hex wrench.

.5 Separate adjustments for backcheck, general speed and latch speed.

.6 Door closers with special template (ST-) numbers include required associated product, information sheets and instructions

.7 Size 1 manual door closers to provide less than 5 pounds opening force on a 900mm door leaf.

.8 Door closer with Pressure Relief Valves are not accepted.

.9 Door closer bodies, arms, covers to be powder coated

.10 Closers with powder coat finishes to exceed a minimum 100-hour salt spray test, as described in ANSI A156.18 and ASTM B117.

.11 Closers detailed with plated finishes to include plated covers (or finish plates), arms and visible fasteners.

.2 Medium Duty Mechanical (Interior/Exterior):

.1 Non-sized (1-6) and non-handed cylinder body to have 1 ¼" (32mm) piston diameter with 5/8" (16mm) single heat-treated shaft. Track closer cylinder body non-sized (2-4) or (1-2). Closers to have stamped main arm and forearm (forged steel main arm and forearm EDA and CUSH type arms). Optional arms to be interchangeable within the series of closers, except track arm type closers. Track arm type closers to have single lever arm with low friction track and roller assembly and provisions for an optional bumper to assist backcheck.

.1 Supply as Specified: LCN1460 HD, Corbin DC6000, Yale 5800 series

- .3 Heavy Duty Mechanical (Multiple Applications):
 - .1 Non-sized (1-6) and non-handed cast iron cylinder body to have 1 1/2" piston diameter with 3/4" journal double heat-treated pinion shaft with 5/8" full complement bearings. XP closer hydraulic regulation controlled by tamper-proof, non critical screw valves, abrasion resistant Vitron "O" ring, adjustable with a hex wrench. Closer to have "FAST" Power Adjust speed dial to show spring size power. Track closers non-sized 1-4. Closers to have forged steel main arm and forearm (forged steel main arm and forearm EDA and CUSH type arms). Optional arms to be interchangeable within the series of closers, except track arm type closers. Track arm type closers to have single lever forged arm with low friction track and roller assembly and provisions for an optional bumper to assist backcheck.
 - .1 Supply as Specified: LCN 4040XP series, Sargent 281 series, Corbin DC8000
- .5 Wall Stops:
 - .1 Wall Stops (No Button on Locking Hardware): Wall stops to be constructed of stainless steel base with special retainer cup that makes the rubber stop tamper resistant. Convex design of rubber bumper.
 - .1 Supply as Specified: Ives WS407CVX, CDH Hardware, Rockwood
 - .2 Wall Stops (Projecting Button on Locking Hardware): Wall stops to be constructed of stainless steel base with special retainer cup that makes the rubber stop tamper resistant. Concave rubber bumper to avoid damage to locks with projecting buttons.
 - .1 Supply as Specified: Ives WS407CCV, CDH Hardware, Rockwood
- .6 Weather/Smoke/Sound Seals:
 - .1 Supply as Specified: KN Crowder, Draftseal, Zero
- .7 Thresholds/Weatherstrip/Door Sweeps:
 - .1 Supply as Specified: KN Crowder, Draftseal, Zero

2.3 FINISHES

- .1 Unless otherwise specified, finishes to be brushed chrome (BHMA 626/652).

2.4 KEYING

- .1 CYLINDERS, KEYING SYSTEMS AND KEY CONTROL
 - .1 Meet with the Owner to finalize keying requirements and obtain keying instructions in writing as outlined in Division 1. Locks and cylinders shall be furnished in a new Schlage Interchangeable core masterkey system.

.2 Provide temporary construction keying system during construction period. Permanent keys will be furnished to the Owner's Representative prior to occupancy. The Owner or Owner's Security Agent will void the operation of the construction keys.

.3 Permanent cylinders to be keyed by factory, combined in sets or subsets, master keyed or great grand master keyed, as directed by Owner. Permanent keys, keyblanks and cylinders are to be stamped with the keyset symbol for identification. Stamp cylinders with concealed visual keying for added security. These visual key control marks or codes will not include the actual key cuts.

.4 Deliver permanent key blanks and cylinders to Owner's representative from factory by secure courier, return receipt requested. Failure to properly comply with these requirements may be cause to require replacement of cylinders and keys involved as deemed necessary at no additional cost to the Owner.

PART 3 - EXECUTION

3.1 EXAMINATION

- .1 Ensure that doors and frames are prepared and reinforced to receive finish hardware prior to installation.
- .2 Ensure that door frames and finished floor are plumb and level to permit proper engagement and operation of hardware.
- .3 Submit in writing a list of deficiencies determined as part of inspection required in 3.1.1 and 3.1.2 to supervising consultant prior to installation of finished hardware. Correct door frame installation before proceeding with finish hardware installation.

3.2 INSTALLATION

- .1 Install hardware at mounting heights as specified in the manufacturer's templates or specific references in approved hardware schedule or approved elevation drawings.
 - .2 Where mounting height is not otherwise specified, install hardware at mounting heights as indicated in 1.5.1, 1.5.2.
 - .3 Install hardware using only manufacturer supplied and approved fasteners in strict adherence with manufacturers published installation instructions.
-

- .4 Ensure locksets / latchsets / deadlocks are of the correct hand before installation to ensure that the cylinder is in the correct position. Handing is part of installation procedure.
- .5 Ensure that exit devices are of the correct hand and adjust device cam/drive screw for proper outside trim function prior to installation. Handing is part of installation procedure.
- .6 Follow manufactures installation instructions. Adjustment of door closers is inclusive of spring power, closing speed, latching speed and back-check, valve screws to achieve backcheck (4040, 4040XP series) at the time of installation.
- .7 Adjust delayed action door closers to forty (40) second delay for barrier free accessibility and movement of materials. Time period to be approved by Owner.
- .8 Install head seal weatherstrip prior to installation of soffit mounted hardware. Trim, cut and notch thresholds and saddles neatly to minimally fit the profile of the door frame. Install thresholds and saddles in a bed of caulking completely sealing the underside from water and air penetration.
- .9 Counter sink through bolt of door pull under push plate during installation.
- .10 Install blocking material of sufficient type and size in cavities of metal and wood stud walls and partitions. Located concave and convex type door bumpers at the appropriate height to properly contact protruding door trim.
- .11 Outlet back boxes, provisions for power, conduit complete with pull strings for security systems power and control boxes for integrating of security system with fire alarm system and coordination of complete system to be furnished under the Electrical Division for the project. This is currently a DELTA control system and is to remain and be expanded. Installation is done by a certified Delta Control vendor.

3.3 FIELD QUALITY CONTROL

- .1 .1 Verify each door leaf opens closes and latches. Inspect fire rated openings to ensure they are installed in compliance with NFPA 80 requirements. Test access control system and electrified hardware devices for proper operation, owner to sign off on verification of operation. Verify electric door release hardware operates properly upon activation of the fire alarm system.
 - .2 Perform bi-monthly on-site inspections during hardware installation and provide inspection reports listing progress of
-

work, unacceptable work and corrective measures. Repair or replace as directed by the Consultant.

- .3 Before completion of the work but after the hardware has been installed, submit a certificate to the architect stating that final inspection has been made and that hardware has been checked for installation and operation by a technician from the manufacturer and hardware consultant

3.4 ADJUSTING AND CLEANING

- .1 Check and make final adjustments to each operating item of hardware on each door to ensure proper operation and function.
- .2 Adjust doors with self-closing devices or automatic closing devices for operation after the HVAC system is balanced and adjusted. Adjust spring power of non sized door closers to close and latch the door.
- .3 Hardware to be left clean and free of disfigurements.
- .4 Instruct owner personnel in the proper operation, adjustment and maintenance of hardware.
- .5 Check locked doors against approved keying schedule.

3.5 PROTECTION

- .1 Protect hardware from damage during construction. Wrap locks, panic hardware, and fire exit hardware, door pull trim with kraft paper or plastic bubble materials to protect finish from damage until date of substantial completion. Remove and reinstall or where necessary, use temporary hardware to maintain finish in new condition and maintain manufacturer's warranty.
-

3.6 HARDWARE GROUPS

Hardware Group No. 01

1	EA	PIVOT SET	7259 SET	630	IVE
2	EA	SURFACE BOLT	SB453 X 12"	652	IVE

Hardware Group No. 02

3	EA	HINGE	5BB1WT 4.5 X 4 NRP	BBLK	IVE
1	EA	PANIC HARDWARE	98-L-17	711	VON
1	EA	RIM CYLINDER	80-329	622	SCH
1	EA	OH STOP	90S	BLK	GLY
1	EA	SURFACE CLOSER	4040XP LONG	693	LCN
1	EA	MTG PLT	4040XP-18G	693	LCN
1	EA	DOOR SWEEP	W-24S x by door width	628	KNC
1	SET	WEATHERSTRIP	W-14 x by door width x (2) door height	628	KNC
1	EA	THRESHOLD	CT-39 x by door width	627	KNC

DOOR CAN BE UNLOCKED DURING BUSINESS HOURS AND THEN LOCKED AFTER HOURS
FREE EGRESS AT ALL TIMES

Hardware Group No. 03

3	EA	HINGE	5BB1 4.5 X 4 NRP	FBLK	IVE
1	EA	STOREROOM LOCK	L9070GD 17A	622	SCH
1	EA	OH STOP	90S	BLK	GLY
1	EA	SURFACE CLOSER	4040XP LONG	693	LCN
1	EA	MTG PLT	4040XP-18G	693	LCN
1	EA	DOOR SWEEP	W-24S x by door width	628	KNC
1	SET	WEATHERSTRIP	W-14 x by door width x (2) door height	628	KNC
1	EA	THRESHOLD	CT-39 x by door width	627	KNC

DOOR CAN BE LOCKED/UNLOCKED ON THE EXTERIOR SIDE OF THE DOOR
FREE EGRESS AT ALL TIMES

Hardware Group No. 04

3	EA	HINGE	5BB1 4.5 X 4	626	IVE
1	EA	PASSAGE SET	ND10S SPA	626	SCH
1	EA	WALL STOP	WS406/407	630	IVE
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW	630	IVE

ALWAYS NEED A KEY TO GET IN
FREE EGRESS

Hardware Group No. 05

3	EA	HINGE	5BB1 4.5 X 4	626	IVE
1	EA	STOREROOM LOCK	ND10S SPA	626	SCH
1	EA	WALL STOP	WS406/407	626	IVE

Hardware Group No. 06

3	EA	HINGE	5BB1HW 5 X 4.5	626	IVE
1	EA	STOREROOM LOCK	ND80GD SPA	626	SCH
1	EA	OH STOP	450S	652	GLY
1	EA	SURFACE CLOSER	1461 RW/PA	689	LCN
1	EA	MOUNTING PLATE	1460-18	689	LCN

Hardware Group No. 07

6	EA	HINGE	5BB1WT 4.5 X 4 NRP	FBLK	IVE
2	EA	MANUAL FLUSH BOLT	FB458	BLK	IVE
1	EA	DUST PROOF STRIKE	DP2	BLK	IVE
1	EA	STOREROOM LOCK	L9050GD 17A	622	SCH
1	EA	OH STOP	90S	BLK	GLY
1	EA	SURFACE CLOSER	4040XP LONG	693	LCN
1	EA	MTG PLT	4040XP-18G	693	LCN
1	EA	DOOR SWEEP	W-24S x by door width	628	KNC
1	EA	ASTRAGAL	W-8SSx door height	627	KNC
1	SET	WEATHERSTRIP	W-14 x by door width x (2) door height	628	KNC
1	EA	THRESHOLD	CT-39 x by door width	627	KNC

DOOR CAN BE LOCKED OR UNLOCKED
 FREE EGRESS AT ALL TIMES

Door #	HWSet #	Door #	HWSet #
100	01	102A	03
101A	01	103	04
101B	01	104	05
101C	01	105	07
102	02	105A	06