1 ADDENDUM #2

ALL CLAUSES SET FORTH IN THE BIDDING DOCUMENTS, CONTRACT DOCUMENTS AND GENERAL REQUIREMENTS OF THE ORIGINAL CONTRACT DOCUMENTS SHALL APPLY TO AND GOVERN THIS WORK. THE ADDENDUM REFERS TO CHANGES AND ADDITIONS TO THE ORIGINAL CONTRACT DOCUMENTS AND IS TO BE READ IN CONJUNCTION WITH THE SAME. ALL OTHER PARTS OF THE ORIGINAL CONTRACT DOCUMENTS ARE TO BE CONSIDERED AS APPLYING TO THE WORK OF THIS CONTRACT WITH THE EXCEPTIONS AND CHANGES AS NOTED BELOW.

1.1 SPECIFICATIONS

.1 Reference Section 00 01 20 - List of Schedules:
- .1 Reference Paragraph 1.1.1:
  - .1 Delete Material / Finish Schedule as originally issued and replace with revised Material / Finish Schedule, dated November 13, 2026.

.2 Reference Section 00 21 13 Instructions to Bidders:
- .1 Reference Paragraph 1.9: Delete.
- .2 Reference Paragraph 1.10: Delete.

.3 Reference Section 01 10 00 Summary:
- .1 Reference Paragraph 1.1.3.3:
  - .1 Replace all existing wording with the following:
    "The Owner will have the demo roof work and new roof work completed under the current Garland Construction Inc / Flynn contract. The contractor is not to carry a roofing bid. Coordination will be required during construction with the owner's roofing project."

.4 Reference Section 08 14 16 Flush Wood Doors:
- .1 Reference Paragraph 2.1.5.1: Delete.
- .2 Reference Paragraph 2.1.12.1: Delete the following text: [OR]
- .3 Reference Paragraph 2.1.12.2: Delete and replace with the following text: "Lambton Doors".
- .4 Reference Paragraph 2.1.13: Delete.
- .5 Reference Paragraph 2.2.5.1: Delete.
- .6 Add Paragraph 2.2.12.2: Lambton Doors.

.5 Reference Section 08 41 13 Aluminum-Framed Entrance and Storefronts:
- .1 Delete entire section.

.6 Reference Section 08 51 13 Aluminum Windows:
- .1 Reference Paragraph 2.2.5: Replace all existing wording with the following: "Colour: Same colour inside and outside. Refer to material / finish schedule for colour."
- .2 Add paragraph 2.2.2.2: Anotec, Series 80, 127 mm frame depth.
- .3 Add paragraph 2.2.2.3: Windspec, 875 Series, 133 mm frame depth.

.7 Reference Section 08 71 00 Door Hardware:
- .1 Delete the entire section and replace with Section 08 71 00 - Door Hardware, dated November 7, 2026, 23 pages.

.8 Reference Section 09 21 16 Gypsum Board Assemblies:
- .1 Reference Paragraph 2.2.7: Delete.
- .2 Reference Paragraph 2.2.20: Delete.
- .3 Reference Paragraph 2.2.26.2: Delete.
- .4 Reference Paragraph 2.2.26.3: Delete.
- .5 Reference Paragraph 2.2.26.5: Delete.

.9 Reference Section 09 22 16 Non-Structural Metal Framing:
- .1 Reference Paragraph 2.1.7: Replace all existing wording with the following: "Wall Reinforcement metal or wood blocking: 14 ga. X 610 mm wide galvanized metal sheet reinforcement to ASTM A924 or ¾" plywood at locations including, but not limited to the following:".

.10 Reference Section 09 51 00 Acoustical Ceilings:
- .1 Reference Paragraph 3.4.41: Delete.

1.2 DRAWINGS

.1 Reference Drawing A001 - Context Plan, Project Info, General Notes, Legend and Typical Mounting Heights:
- .1 Reference General Notes:
  - .1 Add note 15. All project signage will be provided by the owner.
- .2 Reference Window Type Notes:
  - .1 Add note 5. All pressed steel window frames in fire separations are to have 45 min rated frames.

.2 Reference Drawing A002 - Door & Frame Schedule and Window Schedule:
- .1 Reference the Window Types:
  - .1 Delete and replace with ASK002 dated November 13, 2026
- .2 Reference the DOOR & FRAME SCHEDULE:
  - .1 Delete and replace with ASK003 dated November 13, 2026

.3 Reference Drawing A140 - Floor Finish Plans:
- .1 Reference the Room Finish Schedule, General Sheet Notes and Floor Finishes Legend:
  - .1 Delete and replace with ASK004 dated November 13, 2026.

.4 Reference Drawing M401 - Fire Protection Plans:
- .1 Reference Detail 1 - Level 2 - Typical - Fire Protection:
  - .1 Reference 311 Shipping/Receiving Area:
    - .1 Reference sketch 2/MSK005 for sprinkler revisions.
- .2 Reference Detail 5 - Main Floor - Fire Protection:
  - .1 Reference 314-329 Future Development space:
    - .1 Reference sketch 1/MSK005 for adjusted layout to suit new wall. Provide new sprinkler heads where layout is revised.
  - .2 Reference drawing note "EXISTING SPRINKLER HEADS TO BE RELOCATED AND REINSTATED WHEN ABLE; TYPICAL":
    - .1 Remove note in its entirety.
- .3 Reference General Fire Protection Notes:
  - .1 Reference Note 15:
    - .1 Remove note and replace with "Existing sprinkler heads affected by revised layout to be replaced with new head in location indicated."

END OF SECTION

Holland College GreenBuild Trade Centre
Coles Associates Ltd. – 261102
Material / Finish Schedule
Date / Issue: Nov 13, 2026 / Addendum #2
Revision: R1 (Note: Items underlined have been revised)
Notes: Refer to the end of this schedule.

TAG	TYPE	MANUFACTURER / SUPPLIER (Standard of acceptance)	DESCRIPTION / FINISH / TEXTURE	COLOUR	LOCATION	COMMENTS
Acoustic Ceilings						
ACT-1	Ceiling Tile	Armstrong	Product: Fine Fissured Texture: Medium Square Lay-In Size: 610 x 1220 x 16 mm, Item 1729 NRC 0.55, CAC 33 Fire Performance: Class A	White	~~110 Virtual Firing Range~~ Refer to RCP	
n/a	Suspension System	Armstrong	Prelude XL 24mm / 15/16"	White	Use with all ACT	
Aluminum						
AL-1	Aluminum	See Spec		~~Gray~~ Clear Anodized	Exterior Windows ~~/ Storefronts~~	
Concrete Sealer						
CO-1	~~Poured in place~~ Sealer	~~See Spec~~ Sikagard 218 Natural Look	Matte clear finish	~~with clear sealer~~	As scheduled	
Corner Guards						
CG-1	Stainless Steel	See Spec		Stainless Steel		Install on all new and existing outside wall corners, within the renovated scope. GWB corners only.
Grout						
G-1	Grout	MAPEI	Ultracolor Plus FA Consultant to select grout widths	Select from standard range colour may vary for different tile types	All Grout	
Glazing						
GL-1	~~Tempered Laminated Glass~~ Tempered Glass		6mm thick Smooth	Clear	~~Provide in interior windows~~ As scheduled	
GL-2	Ceramic Safety Glass	FireLite	5mm thick Smooth	Clear / Wireless	~~Provide at all interior windows located in 1 hr fire-rated walls~~ As scheduled	Glazing, frame, stops, gaskets, and sealants to be a listed 45 min fire-rated assembly.
GL-3	Insulated Glazing	See Spec	Triple Glazed Smooth	~~Light Gray~~ Clear	~~All exterior glazing~~ As scheduled	
Pre-Finished Metal						
MT-1	~~Insulated Metal Panel~~ Pre-finished Metal	~~See Spec~~ ~~VicWest~~	Smooth 7/8" corrugated	~~Mushroom~~ Stone Grey	Exterior siding	
Paint						
P-1	Paint	Benjamin Moore	Confirm sheen with consultant	Chantilly Lace 2121-70	Primary paint & as scheduled	
P-2	Paint	Benjamin Moore	Confirm sheen with consultant	Wickham Gray HC-171	Door frames and doors	
P-3	Paint	Benjamin Moore	Confirm sheen with consultant	~~Chantilly Lace 2121-70~~ New London Burgundy AF-300	~~Ceilings~~ As scheduled	
P-4	Paint	Benjamin Moore	Confirm sheen with consultant	Black HC-190	As scheduled	

AD010

Holland College GreenBuild Trade Centre
Coles Associates Ltd. – 261102
Material / Finish Schedule
Date / Issue: Nov 13, 2026 / Addendum #2
Revision: R1 (Note: Items underlined have been revised)
Notes: Refer to the end of this schedule.

TAG	TYPE	MANUFACTURER / SUPPLIER (Standard of acceptance)	DESCRIPTION / FINISH / TEXTURE	COLOUR	LOCATION	COMMENTS
Resilient Base						
RB-1	Resilient Base	Johnsonite	Height: 102mm with toe, vinyl	Medium Grey #28	Refer to room finish schedule	
Tile						
T-1	Porcelain Tile	Centura	Collection: Glocal Size: 305 x 610 mm Pattern: running bond Finish: Matte	Grey, Glocal Ideal Natural	Refer to floor finish plans for all locations	~~Provide 100mm high tile base to match floor tile~~
T-2	Ceramic Tile	Olympia Tile	Collection: Colour & Dimensions Size: 100 x 300 Pattern: Stack bond, horizontal Finish: Matte, glazed ceramic	Warm White	Washroom wall tile	1500 high
~~Transition strips~~						
~~TS-1~~	~~Resilient Transition Strip~~	~~Johnsonite~~	~~Consultant to select colour and profile from standard range~~		~~Resilient flooring to other floor materials~~	
Tile Trim						
TT-1	Tile Trim	See Spec	Consultant to select profile from standard range	Clear anodized aluminum	Tile to GWB locations and tile to other floor materials	
Wood						
~~WD-1~~	~~Wood~~	~~Baillargeon~~	~~Rotary Cut Veneer~~ ~~Factory Finish~~	~~White Birch Clear~~	~~Interior Doors~~	
WD-2	Wood	See Spec	Stained wood veneer panels and trim, smooth vertical grain, satin clear coat	Match to existing entrances	~~Main Entrance (from hallway)~~ As scheduled	Match the materials and finishes of the new entrances to those of the existing entrances.
Wall Covering						
WC-1	Plywood	Dricon	19 mm Fire-Retardant Plywood	Paint White	Refer to room finish schedule	2440mm high, All Walls, 100mm AFF

Notes:
1. Contractor is to confirm that all product names and numbers correspond. If a discrepancy is found, the consultant is to be notified immediately for clarification.
2. The general location of materials is noted for convenience, refer to drawings for all tagged locations.

PART 1 - General

1.1 GENERAL REQUIREMENTS

1. Comply with requirements of Division 1.

2. Furnish and delivery of all finish hardware necessary for all doors. Also hardware as specified herein and as enumerated in “Set Numbers” and as indicated and requested by actual conditions of the building. The hardware shall include the furnishing of all necessary screws, special screws, bolts, special bolts, expansion shields, drop plates and all other devices necessary for the proper installation of the hardware.

3. The Engineer-Architect approval of the schedule will not be construed as certifying that the list is complete. Acceptance of the Hardware Schedule does not relieve the supplier of responsibility of errors or omissions.

4. Hardware should not be ordered unless a corrected copy of the shop drawings is reviewed and returned from the specification writer and bearing the approval of the Engineer-Architect.

5. Aluminum Door hardware is to be ordered immediately after approval of shop drawings and shipped directly to the Aluminum Door supplier.

6. Furnish, deliver and install all finish hardware necessary for all doors, also hardware as specified herein and as enumerated in hardware group indicated by actual conditions at the project site.

7. The electrical hardware shall include the furnishing of plug in connections and final connections of Low voltage wiring at the door opening. Electrical hardware devices to be installed by section 08 71 00 with all final connection with termination above the frame. Electric hardware devices for the proper operation and application of the hardware noted by connection notes in the hardware schedule. Power, conduit, low voltage wire to junction box above the frame. Connection of the card readers, maglocks and high voltage wire by the electrical section Division 28.

8. Division 28 to provide high voltage wiring and conduit to the door opening or power supplies including conduit to hardware locations.

1.2 RELATED SECTIONS

a) 03 10 00 – Concrete Forming and Accessories
b) 06 20 00 – Finish Carpentry
c) 06 40 00 – Architectural Woodwork
d) 07 92 00 – Joint Sealants
e) 08 11 13 – Standard Metal Doors and Frames
f) 08 14 16 – Wood Doors
g) 28 00 00 – Electronic Safety and Security

1.3 REFERENCES

1. American National Standards Institute (ANSI) A117.1 Specification

   a) ANSI/BHMA A156.1-2006, Butts and Hinges.

b) ANSI/BHMA A156.26-2006, Continuous Hinges.

c) ANSI/BHMA A156.13-2005, Mortise Locks and Latches.

d) ANSI/BHMA A156.3-2001, Exit Devices.

e) ANSI/BHMA A156.4-2000, Door Controls (Closers)

f) ANSI/BHMA A156.5-2001, Auxiliary Locks and Associated Products.

g) ANSI/BHMA A156.6-2005, Architectural Door Trim.

h) ANSI/BHMA A156.7-2003, Template Hinge Dimensions.

i) ANSI/BHMA A156.8-2005, Door Controls - Overhead Holders.

j) ANSI/BHMA A156.15-2006, Closer/ Holder Release Device.

k) ANSI/BHMA A156.18-2006, Materials and Finishes.

l) ANSI/BHMA A156.21-2006, American National Standards for Thresholds.

m) ANSI/BHMA A156.22-2005, Door Gasketing and Edge Seal Systems.

Canadian Standards Association (CSA)

n) CAN/CSA-B651-04.Accessible Design for the Built Environment.

2. Canadian Steel Door Manufacturer's Association (CSDMA).

a) Standard Hardware Locations in Accordance with the Canadian Steel Door and Frame Association Guidelines.

b) Recommended locations for Architectural Hardware for Wood Flush Doors.

3. National Fire Protection Agency(NFPA)

a) NBC - National Building Code – Latest Edition

b) NFPA-80 - Standard for Fire Doors and Windows – Latest Edition

c) NFPA101 - Life Safety Code – Latest Edition

d) NFPA-105 - Smoke and Draft Control – Latest Edition

1.4 ABBREVIATIONS

1. The following abbreviations are applicable to this section:

a)	AHC	Architectural Hardware Consultant
b)	ALD ALF	Aluminum Door and Frame
c)	ATMS/STMS	Arm/Strike to Template with Machine Screws
d)	BB or FBB	Ball Bearing Hinges
e)	BC	Back Check
f)	BTB	Back to Back
g)	B3E or B4E	Bevel 3 or 4 sides
h)	C to C, C/L	Centerline to Centerline
i)	CDC	Certified Door Consultant
j)	CMK	Construction Masterkeyed
k)	CSC	Construction Specifications Canada
l)	CSK	Countersunk Screw Holes.
m)	Cyl.	Cylinder of a lock

n)	Deg.	Degree of opening
o)	DEL	Delay Action
p)	DHI	Door and Hardware Institute
q)	DR	Door
r)	FC	Full Cover
s)	FS	Fail Safe
t)	FSE	Fail Secure
u)	FTMS	Full template machine screws
v)	½ TMS	Half template machine screws
w)	GMK	Grand Masterkeyed
x)	KA/KD	Keyed Alike, Keyed Different
y)	HMD/PSF	Hollow Metal Door, Pressed Steel Frame
z)	LH/RH	Left Hand, Right Hand
aa)	LHR/RHR	Left Hand Reverse, Right Hand Reverse
bb)	MK or MKD	Master Keyed
cc)	NBC	National Building Code
dd)	NRP	Non removable pin
ee)	TB/SB	Thru Bolts, Sex Bolts
ff)	TJ	Top Jamb
gg)	ULC	Underwriters Laboratories Canada
hh)	WD	Wood Door

1.5 SUBMITTALS

1. Product Data:

   a) Submit manufacturer's printed product literature, specifications and data sheets in accordance with Section 01 00 01.

2. Samples:

   a) Upon Engineer-Architect request submit samples of door hardware. Identify each sample by label indicating applicable specification paragraph number, brand name and number, finish and hardware package number.

   b) After approval samples will be returned for incorporation in the Work.

3. Hardware List:

   a) Submit detailed hardware list and keying schedule. Hardware Schedule is to be submitted as per DHI vertical format which is in the "Sequence and Format for Hardware Schedules".

   b) Indicate specified hardware including make, model, material, function, size, finish and other pertinent information.

   c) Furnish other Sections with templates required for hardware preparation and installation. Issue templates when requested so as not to cause any delays but not before hardware list has received final review by Engineer-Architect.

   d) Keying Schedule to be in accordance with DHI manual "Keying Systems Names and Nomenclature". Key schedule is not to hold up the processing of the hardware list.

e) Wiring Diagrams will only be supplied after the final approval of the Hardware Schedule. Submit wiring diagrams as requested for proper installation of electrical, electrical-mechanical and electrical-magnetic products.

4. Manufacturer's Instructions: Submit manufacturer's installation instructions.

5. Closeout Submittals: Provide operation and maintenance data for door closers, locksets, door holders, electrified hardware and fire exit hardware for incorporation into Operations and Maintenance Manuals specified in Section 01 00 01.

6. Provide guarantee.

a)	Closers (422, 351)	30 Years
b)	HD Cylindrical (10X)	10 Years
c)	Hinges	1 Years
d)	All other Hardware	1 Years

1.6 QUALITY ASSURANCE

1. Regulatory Requirements: hardware for doors in fire separations and exit doors certified by a Canadian Certification Organization accredited by Standards Council of Canada.

2. Meet requirements of National Building Code of Canada and other applicable regulations.

3. Test Reports: certified test reports showing compliance with specified performance characteristics and physical properties.

4. Certificates: product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.

5. Pre-installation Meetings: conduct pre-installation meeting to verify project requirements, manufacturer's installation instructions and manufacturer's warranty requirements.

6. Upon completion of finish hardware installation, hardware supplier shall inspect work and shall certify in writing that all items and their installation are in accord with requirements of Contract Documents and are functioning properly.

1.7 PRODUCT DELIVERY, HANDLING & STORAGE

1. Packing, Shipping, Handling and Unloading:

a) Deliver, store, handle and protect materials in accordance with Section 01 00 01.

b) Package each item of hardware including fastenings, separately or in like groups of hardware, with necessary screws, keys, instructions and installation templates.

c) All items of hardware should be itemized and tagged as per the approved Finish Hardware Schedule.

d) Hardware for Aluminum Doors to be shipped directly to the Aluminum Door supplier. Hardware for Aluminum Doors will be ordered immediately after approval of shop drawings. Delays in ordering the Aluminum Door hardware will not be accepted.

e) Shortages will not delay installation.

f) Items damaged in shipment will be replaced properly with proper material.

g) All Hardware shall be handled in a manner to avoid damage, marking and scratching.

h) Hardware is to be inventoried on site and confirmed by the Contractor and Hardware Supplier.

2. Storage and Protection:

a) Store hardware in locked, clean and dry area.

1.8 WASTE DISPOSAL AND MANAGEMENT

1. Separate and recycle waste materials in accordance with Section 01 00 01.

2. Collect and separate metal, plastic, paper packing and corrugated cardboard and deposit in appropriate on site recycling bins.

3. Dispose of corrugated cardboard, plastic packaging material in appropriate on-site bin for recycling in accordance with site waste management program.

1.9 MAINTENANCE

1. Provide maintenance materials in accordance with Section 01 00 01.

2. Provide three sets of maintenance tools for closers, locks and exit devices as well as a complete set of installation instructions.

3. After the building is occupied, arrange for an appointment with the owner to instruct them of proper use, service, adjusting and maintenance of the hardware furnished in this section.

4. Extra Material if required.

1.10 INSPECTION

1. The hardware supplier shall arrange at least four visits to the job site.

a) Visit project at time of delivery of hardware and inspect the personnel who will be looking after the installation and issuing of hardware at the job site. Delivered hardware to be received, sorted and itemized at the jobsite with contractor.

b) Second visit will be required for key meeting with the owner/representative at a location at their request.

c) Third visit will take place when about sixty percent of hardware is installed.

d) Check all hardware on site and correct any errors or shortages. Co-ordinate with contractor to determine proper time for visit.

e) Fourth visit shall take place just prior to building turnover. All hardware shall be checked for proper installation and adjustment. Any errors shall be corrected and adjustments made. Check the key system and furnish a report along with maintenance manuals detailing any errors found.

f) Cost of this service will be included as part of this Section and is not covered by any allowance amount.

PART 2 - Products

2.1 HARDWARE ITEMS

1. Only locksets and latchsets listed are acceptable for use on this project.

2. Use one manufacturer's products only for all similar items.

3. Manufacturer's Listed:

a) Hinges

(1) McKinney – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.

b) Continuous Hinges

(1) Pemko – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.

c) Locks

(1) Sargent – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.

d) Exit Devices

(1) Sargent – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.

e) Closers

(1) Sargent – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.

f) Overhead Stops

(1) Rixson – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.

g) Flatware

(1) Rockwood Manufacturing – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.

h) Floor/Wall Stops

(1) Rockwood Manufacturing – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.

i) Weatherstrip/Thresholds

(1) Pemko – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.

2.2 DOOR HARDWARE

1. All fasteners to come complete with the hardware as described. Hardware supplier must be Advised immediately if required fasteners are not enclosed with hardware.

2. Hardware must be installed with fasteners supplied by the manufacturer.

3. Hinges Butts and hinges: to ANSI/BMHA A156.1, as listed in Hardware Schedule.

a) Non removable pins (NRP) for all exterior and out swinging secure doors.

b) Exterior hinges and hinges in wet areas of stainless steel, brass or bronze.

c) Interior hinges of plated steel, unless otherwise noted.

d) Size and quantity to be as the manufacturers hinge selection guide.

e) Unless otherwise scheduled, supply (1) hinge for every 762mm of door height.

f) The width of hinges shall be sufficient to clear all trim.

g) All hinges to be five-knuckle design and ball bearing.

h) All electric hinges to be supplied with Electrolynx QC plug in connectors as specified.

i) Finish to Dull Chrome 26D.

j) Standard of Acceptance:

(1)	Specified	Acceptable Alternates	
(2)	McKinney	Hager	Stanley
(3)	TA2714	BB1279	FBB179
(4)	TA3786	BB1168	FBB168

4. Continuous Geared Hinges: to ANSI/BMHA A156.26.

a) Provide continuous hinges of the type and style noted in the Hardware legend.

b) To be non-handed and completely reversible.

c) Material: Extruded tempered aluminium.

d) Material Standard: 6063-T6 Alloy.

e) Configuration: Three interlocking extrusions in pinless assembly, installed to full height of door.

f) Type: Full Mortise: 45mm for extra heavy duty weights.

g) Length: Full height less 25mm.

h) Strength: Heavy Duty – 27 bearings each leaf for 2108mm, minimum door weight 245 kg.

i) Mortise Fasteners: TEK, #12 x ¾” inch, FHUC, Philips head screws.

j) Size to suite door height complete with installation aids and fasteners to suit door an frame conditions.

k) All electric hinges to be supplied with Electrolynx QC plug in connectors as specified.

l) Finish to Anodized Aluminum US28.

m) Standard of Acceptance:

(1)	Specified	Acceptable Alternates
(2)	Pemko	McKinney Hager (Roton)
(3)	CFM83SLFHD	MCK-12HD 780-112HD

5. Tubular Locksets, Grade 1 (Extra-Heavy Duty): ANSI/BHMA A156.2 Series 4000, Grade 1 certified.

a) Locksets to withstand 3000 inch pounds of torque applied to the locked lever without gaining access.

b) Locksets to fit a standard 2 1/8” bore without the use of through-bolts.

c) Lever handles to be made of solid material with no plastic fillers.

d) Latchbolt head to be one-piece stainless steel construction encased within the lock body.

e) Extended cycle test: Locks to have been cycle tested in ordinance with ANSI/BHMA A156.2 requirements to 20 million cycles

f) Furnish with standard 2 3/4” backset and 1/2" throw latchbolt (3/4" at rated paired openings).

g) Standard of Acceptance:

(1)	Specified	Acceptable Alternates
(2)	Sargent	Corbin
(3)	10x Line	CLX3100

6. Door controls (closers): to ANSI/BMHA A156.4 as listed in Hardware Schedule.

a) Modern type, surface applied.

b) All closers for both interior and exterior doors shall be the product of one manufacturer and be matched in style.

c) Surface closers shall be adjustable to provide sizes 1 through 6 and comply with ADA.

d) Full rack and pinion construction.

e) Closing speed, latching speed and backcheck shall be controlled by key operated valves.

f) Captivated valves.

g) Delayed action feature shall be available and controlled by a separate valve.

h) Delayed action shall be available in addition to, not in lieu of, backcheck.

i) The one piece closer body shall be of die cast aluminum alloy with 14% silicon minimum content. An increase of 15% in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (Standard Arm).

j) All arms shall be finely finished with heavy duty forged steel main arm.

k) Two mounting positions of the closer shall meet all requirements. Standard mountings shall provide 120° door opening and alternate mounting 180° door opening.

l) All closers shall be suitable for standard, top jamb, parallel arm and track type applications when provided with proper brackets and arms.

m) Closer covers shall be of high impact plastic material of flame retardant grade.

n) Secured by machine screws.

o) Spring power shall be continuously adjustable over the full range of closer sizes and allow for reduced opening force for the physically handicapped. Hydraulic regulation shall be tamper proof, non-critical valves. Closers shall have separate adjustment for latch speed, general speed and backcheck.

p) All closer to have a forged steel main arm and forged forearm for parallel arm closers.

q) Finish to Aluminum 689.

r) Standard of acceptance:

(1) Specified Acceptable Alternates:

(2)	Sargent	Norton	Corbin
(3)	351	7500	DC3000
(4)	422	2800ST	DC5000

7. Architectural door trim: to ANSI/BHMA A156.6, as listed in Hardware Schedule, finished to stainless steel 32D.

a) Door protection plates: kickplates type, 1.3 mm thick stainless steel, 203mm high, unbevelled edges, width less 40mm push side, width less 25mm on pull side for single doors. Width less 25mm for pairs. Finished to stainless steel 630.

(1) Standard of acceptance:

(a)	Specified	Acceptable Alternates	
(b)	Rockwood	Gallery	Standard Metal
(c)	K1050	GSH80A	K10A

b) Push plates: 1.3 mm thick stainless steel, size 89mm x 381mm, finished to stainless steel 630.

(1) Standard of acceptance:

(a)	Specified	Acceptable Alternates	
(b)	Rockwood	Gallery	Standard Metal
(c)	70RC	GSH84A	K14A

c) Door Pulls: 19mm round pull, 228.6mm center to center pulls, with 76mm x 305mm protection plate, mount type 1, finished to stainless steel 630.

(1) Standard of acceptance:

(a)	Specified	Acceptable Alternates	
(b)	Rockwood	Gallery	Standard Metal
(c)	111 x 73CL	GSH4610-2	K14 x 2409-1(RC)

d) Door Pulls: 32mm Round Offset Pull, mount type 1, 1220mm center to center, mounting to be with a security bolt (#4B) for single application and (#5) for back to back, finished to stainless steel 630.

(1) Standard of acceptance: Standard Metal D-352 x Mnt.

(a)	Specified	Acceptable Alternates	
(b)	Rockwood	Gallery	Standard Metal
(c)	BF157	GSH1180/2	3018-2

8. Door controls - overhead stop: to ANSI/BMHA A156.8, heavy duty construction, BHMA Grade 1 Certified, heavy duty architectural bronze construction.

a) UL Classified: The 590 and 690 stops are UL 10B and UL 10C classified as miscellaneous fire door accessories.

b) Corrosion resistance: Brass construction provides corrosion resistance in a variety of conditions.

c) Holder Selector: 590 and 690 series holders are equipped with a turn knob to activate and deactivate the hold open function

d) Thru bolts capture channel and end caps.

e) Heavy duty shock spring absorbs load and gradually stops door.

f) Blade shim required for all Aluminum Doors.

g) Sized as per manufacturer's guidelines. Take into account other hardware mounted on doors.

h) Finishes

(1) Exterior to stainless steel, 26D.

(2) Interior to steel sprayed finish, EN.

i) Standard of acceptance:

	Specified	Acceptable Alternates
(1)	Rixson	Sargent
(2)	#1 (Concealed)	690
(3)	#9 (Surface)	590

9. Door Stops and Holders and Auxiliary hardware: to ANSI/BMHA A156.16 designated by letter L and numeral identifiers as listed in Hardware Schedule finished to 26D.

a) Wall stops classification, convex or concave, cast brass or bronze. Fasteners to suite wall conditions.

(1) Standard of acceptance:

	Specified	Acceptable Alternates	
(a)	Rockwood	Gallery	Standard Metal
(b)	406	GSH240B	S121
(c)	409	GSH250B	S123

b) Flush Bolts classification. Meets ANSI/BMHA A156.16. Bolt tip is 13mm Diameter with 19mm throw and bolt backset of 19mm. To be supplied with F68 Dust Proof Strike.

(1) Wood doors

(a) Standard of acceptance: DCI 790.

(2) Metal Doors

(a) Standard of acceptance: Standard Metal F65.

(3) Standard of acceptance:

	Specified	Acceptable Alternates	
(a)	Rockwood	Gallery	Standard Metal
(b)	555	GSH401UL	F65
(c)	570	GSH410/412	F68

(e) 2949

10. Thresholds and Weatherstripping Thresholds: to ANSI/BMHA A156.21.

a) Saddle threshold 152.4 mm wide x full width of door opening, extruded aluminum mill finish, serrated surface, with thermal break of rigid PVC.

b) Panic threshold 93.7 mm wide x full width of door opening, extruded aluminum mill finish, serrated surface, with lip and vinyl door seal insert.

c) Standard of acceptance:

	Specified	Acceptable Alternates
(1)		
(2)	PEMKO	KN Crowder
(3)	253 x 3AFG	CT46

11. Door Gasketing and Edge Seal Systems: to ANSI/BMHA A156.22.

a) Head and Jamb seal:

(1) Extruded aluminum frame and neoprene insert, clear anodized finish.

(2) Surface overhead stops and exit device strikes to mount on top of weatherstrip to provide continuous seal.

(3) Adhesive backed black “Santoprene” to provide smoke, light and sound control. Fire labeled 1 1/2hrs.

(4) Standard of acceptance:

	Specified	Acceptable Alternates	
(a)			
(b)	PEMKO	KN Crowder	Hager
(c)	312CR	W-14S	878S

b) Door bottom seal:

(1) Extruded Aluminum frame and nylon brush sweep, clear anodized finish.

(2) Heavy duty, door seal of extruded aluminum frame and solid closed cell neoprene weather seal, recessed in door bottom, closed ends, automatic retract mechanism when door is open, clear anodized finish.

(3) Standard of acceptance:

	Specified	Acceptable Alternates	
(a)			
(b)	PEMKO	KN Crowder	Hager
(c)	3452CNB	W35-1	770SB
(d)	4131	CT-50	747S

c) Astragal:

(1) Flat overlapping extruded aluminum by door height with pile insert.

(2) Meeting astragal extruded aluminum frame with brush insert by each door by door height, clear anodized finish.

(3) Standard of acceptance:

	Specified	Acceptable Alternates	
(a)			
(b)	PEMKO	KN Crowder	Hager
(c)	357C	W8S	835S

2.3 FASTENINGS

1. Use only fasteners provided by manufacturer. Failure to comply may void warranties and applicable licensed labels.

2. Supply screws, bolts, expansion shields and other fastening devices required for satisfactory installation and operation of hardware.

3. Exposed fastening devices to match finish of hardware.

4. Where pull is scheduled on one side of door and push plate on other side, supply fastening devices, and install so pull can be secured through door from reverse side. Install push plate to cover fasteners.

5. Use fasteners compatible with material through which they pass.

2.4 FINISHES

	Description	Material	BMHA
2.	Exterior Hinges	Stainless Steel Metal, Satin	630
3.	Interior Hinges	Satin Chromium Plated	626
4.	Locks	Stainless Steel Metal, Satin	630
5.	Exit Devices	Satin Chromium Plated	626
6.	Closers	Aluminum Powder Coated	689
7.	Flatware	Stainless Steel Metal, Satin	630
8.	All other items	Satin Chromium Plated	626

2.5 KEYING

1. All locks to be master keyed to the existing BEST master key system. All locks to be master keyed as per the owners instructions.

2. All cylinders to be construction master keyed.

3. All locks and cylinders to be visually keyed.

4. Consult with the Architect/Engineer and the owner and secure written approval of the complete keying layout prior to placing lock order with the factory.

5. Grand master keys and master keys shall be sent directly to the owner by registered mail, return receipt if requested.

6. Supply:

1.	Master keys	5 per group
2.	Construction Master keys	5
3.	Control Keys – Construction Cores	3
4.	Control Keys – Permanent Cores	3

5. Change Keys/Lock 4

PART 3 - Execution

3.1 MANUFACTURER'S INSTRUCTIONS

1. Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

2. Furnish metal door and frame manufacturers with complete instructions and templates for preparation of their work to receive hardware.

3. Furnish manufacturers' instructions for proper installation of each hardware component.

4. Wiring Diagrams: Provide any special information, voltage requirements and wiring diagrams to other trades requiring such information.

3.2 INSTALLATION

1. Install door hardware in accordance with manufacturer's instructions, using special tools and jigs. Fit accurately and apply securely. Ensure that hardware is installed correctly. Issue instructions if required to Sections concerned.

2. Install hardware to standard hardware location dimensions in accordance with Canadian Metric Guide for Steel Doors and Frames (Modular Construction) prepared by Canadian Steel Door Manufacturers' Association.

3. Installation is to be done by a qualified tradesman, if technical assistance is required contact the hardware supplier.

4. Where door stop contacts door pulls, mount stop to strike bottom of pull.

5. Install key control cabinet.

6. Use only manufacturer's supplied fasteners. Failure to comply may void manufacturer's warranties and applicable licensed labels. Use of "quick" type fasteners, unless specifically supplied by manufacturer, is unacceptable.

7. Remove construction cores and locks when directed by Contractor; install permanent cores and check operation of locks.

8. Hardware should not be installed until all finishing is complete.

9. All hardware to be installed level plumb and true.

10. All operating parts to work freely and smoothly.

11. Exterior thresholds to be set in exterior sealants.

12. Install Power Operators as per manufacturer's instructions and by a qualified installer.

13. Access control to be installed by a certified installer.

14. High voltage wiring by Division 28. Low voltage wiring by access control supplier.

3.3 ADJUSTING

1. Adjust door hardware, operators, closures and controls for optimum, smooth operating condition, safety and for weather tight closure.

2. Lubricate hardware, operating equipment and other moving parts.

3. Adjust door hardware to provide tight fit at contact points with frames.

4. All defective or damaged hardware will have to be repaired or replaced at the contractors expense.

3.4 CLEANING

1. Perform cleaning after installation to remove construction and accumulated environmental dirt.

2. Clean hardware with damp rag and approved non-abrasive cleaner, and polish hardware in accordance with manufacture's instructions.

3. Remove protective material from hardware items where present.

4. Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

3.5 DEMONSTRATION

1. Keying System Setup and Cabinet:

   a) Set up key control system with file key tags, duplicate key tags, numerical index, alphabetical index and key change index, label shields, control book and key receipt cards.

   b) Place file keys and duplicate keys in key cabinet on their respective hooks.

   c) Lock key cabinet and turn over key to Owner's Representative.

2. Maintenance Staff Briefing:

   a) Brief maintenance staff regarding:

   b) Proper care, cleaning, and general maintenance of projects complete hardware.

   c) Description, use, handling, and storage of keys.

   d) Use, application and storage of wrenches for door closers, locksets and fire exit hardware.

e) Demonstrate operation, operating components, adjustment features, and lubrication requirements.

3.6 FIELD QUALITY CONTROL

1. An inspection report will be required 6 months after substantial completion by a qualified Architectural Hardware Consultant to note any deficiencies. The inspection should include checking each lock against the key schedule to make sure the correct locks and cylinders are on the proper doors.

3.7 PROTECTION

1. Protection must be given to all products and finishes until such time as the owner accepts the project.

3.8 CERTIFICATION

1. After installation, Hardware Supplier is to have a regular member of the Architectural Hardware Consultants'' (AHC) Association inspect and certify in writing that all items and their installations are in accordance with specified requirements.

2. The door hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

3. The supplier is responsible for handing and sizing all products as listed in the door hardware sets. Quantities listed are for each pair of doors, or for each single door.

4. Products listed in the Door Hardware Sets must meet the requirements described in the specification sections noted.

3.9 HARDWARE SCHEDULE

Set: 1.0

Pair 300.1, COMMON AREA, 1930 x 2134 x 45, Wood x Hollow Metal,
Description: Pair Drs. Corridor, WS - Card access, Power Operator

6	Hinge (heavy weight)	T4A3786 127mm x 114mm NRP	US26D	MK
1	Electric Power Transfer	EL-CEPT	630	SU
2	Flush Bolt	555	US26D	RO
1	Dust Proof Strike	570	US26D	RO
1	Mortise Exit Device, Storeroom	72 23 55 56 8904 ETL	US32D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Surface Closer	422 CTB2 (Push Side, Door Mounted) x 63-0853 Angle Bracket	EN	SA
1	Drop Plate	422D	EN	SA

1	Power Operator	SW200i Push Side x Full Header	Std	BM
1	Mounting Pate	Mounting Plate x Full Header	689	BM
1	Backing Plate	Backing Plate x Full Header	689	BM
1	Advanced Logic Relay	CX-33	Std	BM
1	Sensors (Pull Side)	Superscan11	Std	BM
1	Sensors (Push Side)	Superscan 11	Std	BM
2	Column Push Plate Switch 914mm	CM-7536/2	Alum	OT
2	Kick Plate	K1050 203mm x 50mm LDW CSK BEV	US32D	RO
2	Wall Stop	406 (Convex HD)	US32D	RO
1	Door Raceway ElectroLynx Harness	QC-C200(P) Use Pins Where Required		MK
1	Frame Wiring ElectroLynx Harness	QC-C2500(P) Use Pins Where Required		MK
2	Position Switch	DPS-W-BK		SU
1	By Door Hardware	Request to Exit in Electrified Lock/Exit	Std	SA
1	Battery	B-24-5		SU
1	Power Supply	AQD2-8C8R1		SU
1	By Electrical Contractor	Card Reader		00
1	By Electrical Contractor	Controller		00
1	Integration Box with Wiring Diagrams	Thomas HT TA-2909-PIK-ATLHW (Elevations & Point to Point)	Std	SA

Notes:
REQUIRES 120VAC POWER TO POWER OPERATOR LOCATION BY THE ELECTRICAL CONTRACTOR.
REQUIRES 120VAC POWER TO POWER SUPPLY LOCATION BY THE ELECTRICAL CONTRACTOR.
REQUIRES LOW VOLTAGE FROM POWER OPERATOR TO ELECTRIC LATCH RETRACTION LOCATION.
REQUIRES LOW VOLTAGE FROM POWER OPERATOR TO KEY SWITCH LOCATION.
REQUIRES LOW VOLTAGE FROM POWER OPERATOR TO ACTUATOR BUTTON LOCATION.
REQUIRES COMMUNICATION WIRE FROM THE READER TO THE JUNCTION BOX LOCATION.
REQUIRES CONDUIT TO BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
REQUIRES WIRE AND WIRE PULL BY THE ELECTRICAL CONTRACTOR.
REQUIRES WIRE CHASE IN THE DOOR.
LOCATION OF ACTUATOR BUTTONS TO BE DETERMINED.

MODE OF OPERATION:
DOORS ARE TO BE SECURED BY THE ACCESS CONTROL SYSTEM. ACCESS BY AUTHORIZED CARD OR KEY. ENTRY BY AUTHORIZED CARD WILL ACTIVATE THE ELECTRIC LATCH RETRACTION ENABLING THE EXTERIOR ACTUATOR BUTTON. THE ACTIVE DOOR CAN BE MANUALLY PULLED OPEN OR AUTOMATICALLY OPEN BY PRESSING THE EXTERIOR ACTUATOR BUTTON. ACTIVATING THE INTERIOR ACTUATOR BUTTON WILL SIMULTANEOUSLY ACTIVATE THE POWER OPERATOR AND ELECTRIC LATCH RETRACTION. FREE EXIT AT ALL TIMES. REQUEST TO EXIT IN EXIT DEVICE RAIL.

Set: 2.0

Pair 333.2, MAIN HALL, 1930 x 2134 x 45, Wood x Hollow Metal,
Description: Pair Drs. Corridor, OHS - Card access, Power Operator

6	Hinge (heavy weight)	T4A3786 127mm x 114mm NRP	US26D	MK
1	Electric Power Transfer	EL-CEPT	630	SU
2	Flush Bolt	555	US26D	RO
1	Dust Proof Strike	570	US26D	RO
1	Mortise Exit Device, Storeroom	72 23 55 56 8904 ETL	US32D	SA

1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
2	Concealed Overhead Stop	1-x36	630	NO
1	Surface Closer	422 CTB2 (Push Side, Door Mounted) x 63-0853 Angle Bracket	EN	SA
1	Drop Plate	422D	EN	SA
1	Power Operator	SW200i Push Side x Full Header	Std	BM
1	Mounting Pate	Mounting Plate x Full Header	689	BM
1	Backing Plate	Backing Plate x Full Header	689	BM
1	Advanced Logic Relay	CX-33	Std	BM
1	Sensors (Pull Side)	Superscan11	Std	BM
1	Sensors (Push Side)	Superscan 11	Std	BM
2	Column Push Plate Switch 914mm	CM-7536/2	Alum	OT
2	Kick Plate	K1050 203mm x 50mm LDW CSK BEV	US32D	RO
1	Door Raceway ElectroLynx Harness	QC-C200(P) Use Pins Where Required		MK
1	Frame Wiring ElectroLynx Harness	QC-C2500(P) Use Pins Where Required		MK
2	Position Switch	DPS-W-BK		SU
1	By Door Hardware	Request to Exit in Electrified Lock/Exit	Std	SA
1	Battery	B-24-5		SU
1	Power Supply	AQD2-8C8R1		SU
1	By Electrical Contractor	Card Reader		00
1	By Electrical Contractor	Controller		00
1	Integration Box with Wiring Diagrams	Thomas HT TA-2909-PIK-ATLHW (Elevations & Point to Point)	Std	SA

Notes:
REQUIRES 120VAC POWER TO POWER OPERATOR LOCATION BY THE ELECTRICAL CONTRACTOR.
REQUIRES 120VAC POWER TO POWER SUPPLY LOCATION BY THE ELECTRICAL CONTRACTOR.
REQUIRES LOW VOLTAGE FROM POWER OPERATOR TO ELECTRIC LATCH RETRACTION LOCATION.
REQUIRES LOW VOLTAGE FROM POWER OPERATOR TO KEY SWITCH LOCATION.
REQUIRES LOW VOLTAGE FROM POWER OPERATOR TO ACTUATOR BUTTON LOCATION.
REQUIRES COMMUNICATION WIRE FROM THE READER TO THE JUNCTION BOX LOCATION.
REQUIRES CONDUIT TO BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
REQUIRES WIRE AND WIRE PULL BY THE ELECTRICAL CONTRACTOR.
REQUIRES WIRE CHASE IN THE DOOR.
LOCATION OF ACTUATOR BUTTONS TO BE DETERMINED.

MODE OF OPERATION:
DOORS ARE TO BE SECURED BY THE ACCESS CONTROL SYSTEM. ACCESS BY AUTHORIZED CARD OR KEY. ENTRY BY AUTHORIZED CARD WILL ACTIVATE THE ELECTRIC LATCH RETRACTION ENABLING THE EXTERIOR ACTUATOR BUTTON. THE ACTIVE DOOR CAN BE MANUALLY PULLED OPEN OR AUTOMATICALLY OPEN BY PRESSING THE EXTERIOR ACTUATOR BUTTON. ACTIVATING THE INTERIOR ACTUATOR BUTTON WILL SIMULTANEOUSLY ACTIVATE THE POWER OPERATOR AND ELECTRIC LATCH RETRACTION. FREE EXIT AT ALL TIMES. REQUEST TO EXIT IN EXIT DEVICE RAIL.

Set: 3.0

Pair 333.1, MAIN HALL, 1930 x 2134 x 45, Wood x Hollow Metal,
Description: Pair Drs. Corridor, OHS

6	Hinge (heavy weight)	T4A3786 127mm x 114mm NRP	US26D	MK

2	Flush Bolt	555	US26D	RO
1	Dust Proof Strike	570	US26D	RO
1	Mortise Exit Device, Storeroom	23 72 8904 ETL	US32D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
2	Concealed Overhead Stop	1-x36	630	NO
2	Surface Closer	422 CTB2 (Push Side, Door Mounted) x 63-0853 Angle Bracket	EN	SA
2	Drop Plate	422D	EN	SA
2	Kick Plate	K1050 203mm x 50mm LDW CSK BEV	US32D	RO

Set: 4.0

Pair 300.2, COMMON AREA, 1930 x 2134 x 45, Wood x Hollow Metal, 45 min
Description : Pair Drs. Exit Device, Closer

6	Hinge (heavy weight)	T4A3786 127mm x 114mm	US26D	MK
2	Self Latching Flush Bolt w/Fire Bolt (Wood Door)	2949	US32D	RO
1	Dust Proof Strike	570	US26D	RO
1	Mortise Exit Device, Classroom	72 12 23 8913 ETL	US32D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Coordinator	2600 to Suit	Black	RO
2	Surface Closer	422 CTB2 (Push Side, Door Mounted) x 63-0853 Angle Bracket	BSP	SA
2	Drop Plate	422D	EN	SA
2	Kick Plate	K1050 203mm x 50mm LDW CSK BEV	US32D	RO
2	Wall Stop	406 (Convex HD)	US32D	RO
1	Astragal	357C x Door Height		PE
1	Gasketing	312CR x 3 Sides		PE

Set: 5.0

Pair 300.3, COMMON AREA, 1930 x 2134 x 45, Wood x Hollow Metal, 45 min
Description: Pair Drs. Office Function, Closer

6	Hinge (heavy weight)	T4A3786 127mm x 114mm	US26D	MK
2	Self Latching Flush Bolt w/Fire Bolt (Wood Door)	2949	US32D	RO
1	Dust Proof Strike	570	US26D	RO
1	Entry/Office Lock	72 10XG05 LL	US26D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Coordinator	2600 to Suit	Black	RO
2	Surface Closer	422 CTB2 (Push Side, Door Mounted) x 63-0853 Angle Bracket	BSP	SA
2	Drop Plate	422D	EN	SA
2	Kick Plate	K1050 203mm x 50mm LDW CSK BEV	US32D	RO

2	Wall Stop	409 (Concave HD)	US32D	RO
1	Astragal	357C x Door Height		PE
1	Gasketing	312CR x 3 Sides		PE

Set: 6.0

Pair 308.1, GREENBUILD LAB, 1930 x 2134 x 45, Wood x Hollow Metal,
Description: Pair Drs. Office Function

6	Hinge (heavy weight)	T4A3786 127mm x 114mm NRP	US26D	MK
2	Flush Bolt	555	US26D	RO
1	Dust Proof Strike	570	US26D	RO
1	Entry/Office Lock	72 10XG05 LL	US26D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
2	Wall Stop	409 (Concave HD)	US32D	RO

Set: 7.0

Pair 312.1, STORAGE, 1524 x 2134 x 45, Wood x Hollow Metal,
Description: Unequal Pair Drs. Office Function

6	Hinge, Full Mortise	TA2714-MCK 114mm x 101mm	US26D	MK
2	Flush Bolt	555	US26D	RO
1	Dust Proof Strike	570	US26D	RO
1	Entry/Office Lock	72 10XG05 LL	US26D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Wall Stop	409 (Concave HD)	US32D	RO

Set: 8.0

Single 302.1, OFFICE, 965 x 2134 x 45, Wood x Hollow Metal,
Single 303.1, OFFICE, 965 x 2134 x 45, Wood x Hollow Metal,
Description: Single Dr. Office Function, Gasketing

3	Hinge (heavy weight)	T4A3786 127mm x 114mm	US26D	MK
1	Entry/Office Lock	72 10XG05 LL	US26D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Wall Stop	409 (Concave HD)	US32D	RO
1	Gasketing	312CR x 3 Sides		PE
1	Door Bottom	4131CPKL x Door Width		PE

Set: 9.0

Single 310.1, TOOLS, 914 x 2134 x 45, Wood x Hollow Metal,
Description: Single Dr. Office Function, WS

3	Hinge, Full Mortise	TA2714-MCK 114mm x 101mm	US26D	MK
1	Entry/Office Lock	72 10XG05 LL	US26D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Wall Stop	409 (Concave HD)	US32D	RO

Set: 10.0

Single 301.1, CLASSROOM (VIRTUAL), 965 x 2134 x 45, Wood x Hollow Metal,
Description: Single Dr. Office Function, HW, WS

3	Hinge (heavy weight)	T4A3786 127mm x 114mm	US26D	MK
1	Entry/Office Lock	72 10XG05 LL	US26D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Wall Stop	409 (Concave HD)	US32D	RO

Set: 11.0

Single 306.1, CLASSROOM, 965 x 2134 x 45, Wood x Hollow Metal,
Description: Single Dr. Office Function, HW, OHS

3	Hinge (heavy weight)	T4A3786 127mm x 114mm	US26D	MK
1	Entry/Office Lock	72 10XG05 LL	US26D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Concealed Overhead Holder/Stop	1-x26	630	NO

Set: 12.0

Single 306.2, CLASSROOM, 965 x 2134 x 45, Wood x Hollow Metal, 45 min
Description: Single Dr. Office Function, WS, Closer

3	Hinge (heavy weight)	T4A3786 127mm x 114mm NRP	US26D	MK
1	Entry/Office Lock	72 10XG05 LL	US26D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Surface Closer	422 CTB2 (Push Side, Door Mounted) x 63-0853 Angle Bracket	EN	SA
1	Drop Plate	422D	EN	SA
1	Kick Plate	K1050 203mm x 50mm LDW CSK BEV	US32D	RO
1	Wall Stop	409 (Concave HD)	US32D	RO
1	Gasketing	312CR x 3 Sides		PE

Set: 13.0

Single 304.1, BF WR, 965 x 2134 x 45, Wood x Hollow Metal,
Single 305.1, BF WR, 965 x 2134 x 45, Wood x Hollow Metal,
Description: Single Dr. Washroom Inswing, Power Operator, Camden CX-WC17

3	Hinge (heavy weight)	T4A3786 127mm x 114mm	US26D	MK
1	Storeroom/Closet Lock	72 10XG04 LL	US26D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Electric Strike - Fail Safe	1500C-LM	630	HS
1	SMART Pac Bridge Rectifier	2005M3		HS
1	Mounting Pate	Mounting Plate x Full Header	689	BM
1	Backing Plate	Backing Plate x Full Header	689	BM
1	Power Operator	SW100i	689	BM
1	Wall Stop	406 (Convex HD)	US32D	RO
1	Frame Wiring ElectroLynx Harness	QC-C2500(P) Use Pins Where Required		MK
1	Position Switch	DPS-W-BK		SU
1	Restroom Control Kit (Column Switches)	Camden CX-WC17	Std	OT
1	Power Supply	AQD1-1R		SU
1	Battery	B-24-5		SU
1	Integration Box with Wiring Diagrams	Thomas HT TA-2909-PIK-ATLHW (Elevations & Point to Point)	Std	SA

Notes:
REQUIRES 120VAC POWER TO POWER OPERATOR LOCATION BY ELECTRICAL CONTRACTOR.
REQUIRES 120VAC POWER TO POWER SUPPLY LOCATION BY ELECTRICAL CONTRACTOR.
REQUIRES LOW VOLTAGE FROM POWER OPERATOR TO ELECTRIC STRIKE LOCATION.
REQUIRES LOW VOLTAGE FROM POWER OPERATOR TO ILLUMINATED WALL ACTUATOR LOCATIONS.
REQUIRES LOW VOLTAGE FROM POWER OPERATOR TO WALL ACTUATOR LOCATIONS
REQUIRES CONDUIT TO BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
REQUIRES LOW VOLTAGE AND COMMUNICATION WIRE BY HARDWARE SUPPLIER.
REQUIRES WIRE AND WIRE PULL BY HARDWARE SUPPLIER.

MODE OF OPERATION:
WHEN THE WASHROOM IS UNOCCUPIED THE FAIL-SAFE ELECTRIC STRIKE WILL BE DEACTIVATED AND THE OCCUPIED LIGHT WILL TURN OFF, SIGNALLING THE RESTROOM IS AVAILABLE. ENTRY BY MANUALLY OPENING DOOR OR AUTOMATICALLY BY ACTIVATING THE EXTERIOR ACTUATOR BUTTON. WHEN THE WASHROOM IS OCCUPIED THE PUSH TO LOCK COLUMN SWITCH IS ACTIVATED. ACTIVATING THE PUSH TO LOCK COLUMN SWITCH WILL KEEP THE DOOR LOCKED AND DISABLE THE EXTERIOR PUSH TO OPEN COLUMN SWITCH, AS WELL AS, PROVIDING ANNUNCIATION WITH AN OCCUPIED LIGHT. WHEN EXITING THE WASHROOM, YOU CAN PRESS THE INSIDE PUSH TO OPEN COLUMN SWITCH TO UNLOCK AND OPEN THE DOOR OR YOU CAN USE THE INSIDE LEVER TO OPEN THE DOOR AND BREAK THE DOOR CONTACT CIRCUIT, WHICH WILL ALSO UNLOCK AND RESET THE SYSTEM. THE OCCUPIED LIGHT WILL TURN OFF, SIGNALING THE RESTROOM IS AVAILABLE. FREE EXIT AT ALL TIMES.

Set: 14.0

Single 331.1, MECH. ROOM, 914 x 2134 x 45, Wood x Hollow Metal,
Description: Single Dr. Storeroom, OHS, Closer

3	Hinge, Full Mortise	TA2714-MCK 114mm x 101mm	US26D	MK
1	Storeroom/Closet Lock	72 10XG04 LL	US26D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Concealed Overhead Stop	1-x36	630	NO
1	Door Closer	351 O	EN	SA
1	Kick Plate	K1050 203mm x 50mm LDW CSK BEV	US32D	RO
1	Gasketing	312CR x 3 Sides		PE

Set: 15.0

Single 307.1, STORAGE, 914 x 2134 x 45, Wood x Hollow Metal, 45 min
Description: Single Dr. Storeroom, WS, Closer

3	Hinge (heavy weight)	T4A3786 114mm x 114mm	US26D	MK
1	Storeroom/Closet Lock	72 10XG04 LL	US26D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Door Closer	351 O	EN	SA
1	Kick Plate	K1050 203mm x 50mm LDW CSK BEV	US32D	RO
1	Wall Stop	406 (Convex HD)	US32D	RO
1	Gasketing	312CR x 3 Sides		PE

Set: 16.0

Single 332.1, EXISTING FREEZER, 914 x 2134 x 45, Wood x Hollow Metal,
Description: Single Dr. Storeroom, Gasketing

3	Hinge, Full Mortise	TA2714-MCK 114mm x 101mm	US26D	MK
1	Storeroom/Closet Lock	72 10XG04 LL	US26D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Wall Stop	406 (Convex HD)	US32D	RO
1	Gasketing	312CR x 3 Sides		PE
1	Door Bottom	4131CPKL x Door Width		PE

Set: 17.0

Pair 312.2, STORAGE, 1829 x 2134 x 45, Wood x Hollow Metal,
Description: Pair Drs. Deadbolt, OHS

6	Hinge, Full Mortise	TA2714-MCK 114mm x 101mm	US26D	MK
2	Flush Bolt	555	US26D	RO
1	Dust Proof Strike	570	US26D	RO
1	Mortise Deadlock and Thumbturn	72 4875	US26D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Cylinder Pull	90	US26D	RO
2	Concealed Overhead Holder/Stop	1-x26	630	NO

Set: 18.0

Single 330.1, STORAGE, 965 x 2134 x 45, Hollow Metal x Hollow Metal,
Description: Single Dr. Exterior, Classroom Function

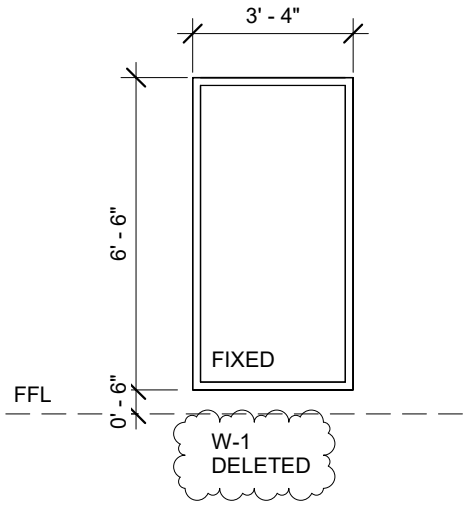
1	Continuous Hinge	CFM x Door Height x SLF-HD1		PE
1	Rim Exit Device, Classroom	72 8813 ETL	US32D	SA
1	Permanent Core	BEST Core x Keyed to Existing	US15	BE
1	Surface Overhead Stop	8-x36	630	NO
1	Surface Closer	351 OZ/OZA to Suit	EN	SA
1	Mounting Plate	351B	EN	SA
1	Kick Plate	K1050 203mm x 50mm LDW CSK BEV	US32D	RO
1	Gasketing	312CR x 3 Sides		PE
1	Sweep	3452CNB x Door Width		PE
1	Threshold	253x3AFG x Door Width		PE
1	Position Switch	DPS-M-BK		SU

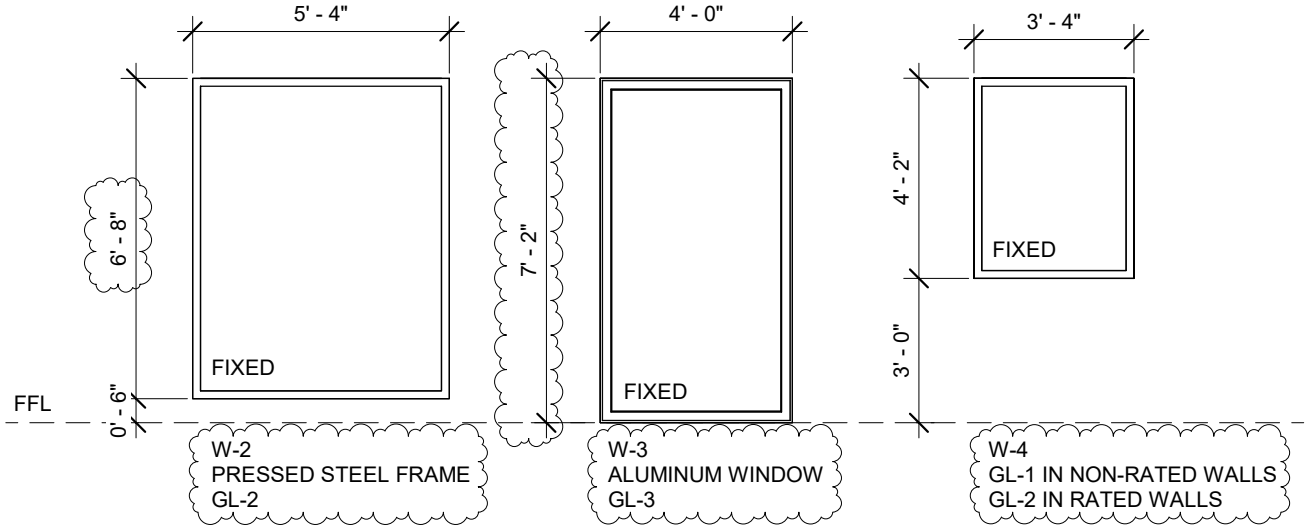
Notes:
DOOR TO BE MANUALLY UNLOCKED DURING THE DAY AND MANUALLY LOCKED AFTER HOURS.

Door Index

Opening Numbers	Heading Numbers	Opening Numbers	Heading Numbers	Opening Numbers	Heading Numbers
300.1	1.0	305.1	13.0	312.2	17.0
300.2	4.0	306.1	11.0	330.1	18.0
300.3	5.0	306.2	12.0	331.1	14.0
301.1	10.0	307.1	15.0	332.1	16.0
302.1	8.0	308.1	6.0	333.1	3.0
303.1	8.0	310.1	9.0	333.2	2.0
304.1	13.0	312.1	7.0		

END OF SECTION





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www.colesassociates.com

Client:
Holland College

Project Title:
Holland College Summerside
Waterfront Campus - GreenBuild
Trade Expansion

Sheet Title:
Window Types

Scale: 1/4" = 1'-0"	Drn By: KAH
Date: 2026-11-13	Chk By: SDM
Project Number: 261102	
Drawing Number: ASK002	

2026-11-13 2:13:11 PM

DOOR & FRAME SCHEDULE

			DOOR							FRAME			
DOOR NO.	ROOM NAME	FIRE RATING (MINUTES)	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	GLAZING	TYPE	MATERIAL	FINISH	GLAZING
300.1	COMMON AREA		6' - 4"	7' - 0"	1 3/4"	D-5	WD	P-2	GL-1	F-2	PS	P-2	
300.2	COMMON AREA	45 min	6' - 4"	7' - 0"	1 3/4"	D-3	WD	P-2	GL-2	F-2	PS	P-2	
300.3	COMMON AREA	45 min	6' - 4"	7' - 0"	1 3/4"	D-3	WD	P-2	GL-2	F-2	PS	P-2	
301.1	CLASSROOM (VIRTUAL)		3' - 2"	7' - 0"	1 3/4"	D-2	WD	P-2	GL-1	F-1	PS	P-2	
302.1	OFFICE		3' - 2"	7' - 0"	1 3/4"	D-1	WD	P-2	GL-1	F-3	PS	P-2	GL-1
303.1	OFFICE		3' - 2"	7' - 0"	1 3/4"	D-1	WD	P-2	GL-1	F-3	PS	P-2	GL-1
304.1	BF WR		3' - 2"	7' - 0"	1 3/4"	D-1	WD	P-2		F-1	PS	P-2	
305.1	BF WR		3' - 2"	7' - 0"	1 3/4"	D-1	WD	P-2		F-1	PS	P-2	
306.1	CLASSROOM		3' - 2"	7' - 0"	1 3/4"	D-2	WD	P-2	GL-1	F-1	PS	P-2	
306.2	CLASSROOM	45 min	3' - 2"	7' - 0"	1 3/4"	D-2	WD	P-2	GL-2	F-1	PS	P-2	
307.1	STORAGE	45 min	3' - 0"	7' - 0"	1 3/4"	D-1	WD	P-2		F-1	PS	P-2	
308.1	GREENBUILD LAB		6' - 4"	7' - 0"	1 3/4"	D-3	WD	P-2	GL-1	F-2	PS	P-2	
310.1	TOOLS		3' - 2"	7' - 0"	1 3/4"	D-1	WD	P-2		F-1	PS	P-2	
312.1	STORAGE	45 min	5' - 0"	7' - 0"	1 3/4"	D-4	WD	P-2		F-2	PS	P-2	
312.2	STORAGE		6' - 0"	7' - 0"	1 3/4"	D-6	WD	P-2		F-1	PS	P-2	
330.1	STORAGE		3' - 2"	7' - 0"	1 3/4"	D-1	HM	P-2		F-1	PS	P-2	
331.1	MECH. ROOM	45 min	3' - 0"	7' - 0"	1 3/4"	D-1	WD	P-2		F-1	PS	P-2	
332.1	EXISTING FREEZER		3' - 0"	7' - 0"	1 3/4"	D-1	WD	P-2		F-1	PS	P-2	
333.1	MAIN HALL		6' - 4"	7' - 0"	1 3/4"	D-5	WD	P-2	GL-1	F-2	PS	P-2	
333.2	MAIN HALL		6' - 4"	7' - 0"	1 3/4"	D-5	WD	P-2	GL-1	F-2	PS	P-2	

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Client:
Holland College

Project Title:
Holland College Summerside Waterfront
Campus - GreenBuild Trade Expansion

Sheet Title:
Door Schedule

Scale: N.T.S. | Drn By: KAH
Date: 2026-11-13 | Chk By: SDM
Project Number: 261102
Drawing Number: ASK003

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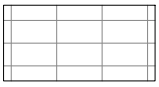
ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	WALLS			
		BASE	NORTH	EAST	SOUTH	WEST
			FIN.	FIN.	FIN.	FIN.
308A	FUTURE MOCK HOUSE	RB-1	P-1	P-1	P-1	P-1
306	CLASSROOM	RB-1	P-1	P-1	P-1	P-1
305	BF WR	T-2	P-1 / T-2	P-1 / T-2	P-1 / T-2	P-1 / T-2
304	BF WR	T-2	P-1 / T-2	P-1 / T-2	P-1 / T-2	P-1 / T-2
302	OFFICE	RB-1	P-1	P-1	P-1	P-1
303	OFFICE	RB-1	P-1	P-1	P-1	P-1
301	CLASSROOM (VIRTUAL)	RB-1	P-1	P-1	P-1	P-1
307	STORAGE	RB-1	P-1	P-1	P-1	P-1
330	STORAGE	RB-1	P-1	P-1	P-1	P-1
309	MOTOR LAB	RB-1	P-1	P-1	P-1	P-1
311	SHIPPING/RECEIVING AREA	RB-1	P-1	P-1	P-1	P-1
310	TOOLS	RB-1	P-1	P-1	P-1	P-1
308	GREENBUILD LAB	RB-1	P-1	P-1	P-1	P-1
300	COMMON AREA	RB-1	P-1	P-1	P-1	P-1
313	ELECTRICAL ROOM	RB-1	P-1	P-1	P-1	P-1
312	STORAGE	RB-1	P-1	P-1	P-1	P-1
314-329	FUTURE DEVELOPMENT	RB-1	P-1	P-1	P-1	P-1
332	EXISTING FREEZER	RB-1	WC-1	WC-1	WC-1	WC-1
331	MECH. ROOM	RB-1	P-1	P-1	P-1	P-1

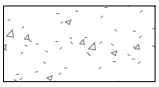
GENERAL SHEET NOTES

- REFER TO MATERIAL/FINISH SCHEDULE FOR INFORMATION ON ALL MATERIAL TAGS

FLOOR FINISHES LEGEND



FLOOR TILE, T-1



SEALED CONCRETE, CO-1

TT-1

TILE TRIM, TT-1

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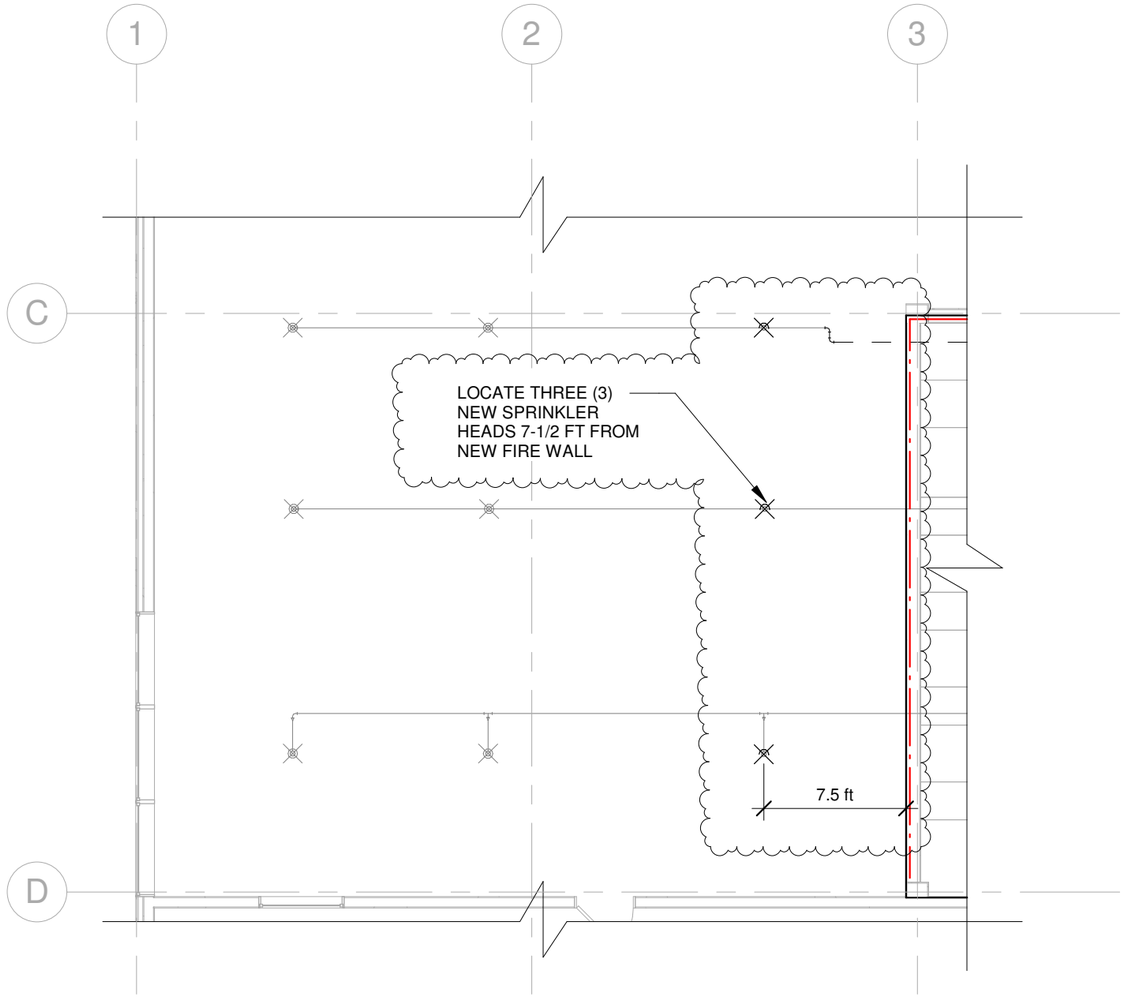
Client:
Holland College

Project Title:
Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion

Sheet Title:
Room Finish Schedule, Notes & Legend

Scale: 1 : 100 | Drn By: KAH
Date: 2026-11-13 | Chk By: SDM
Project Number: 261102
Drawing Number: ASK004

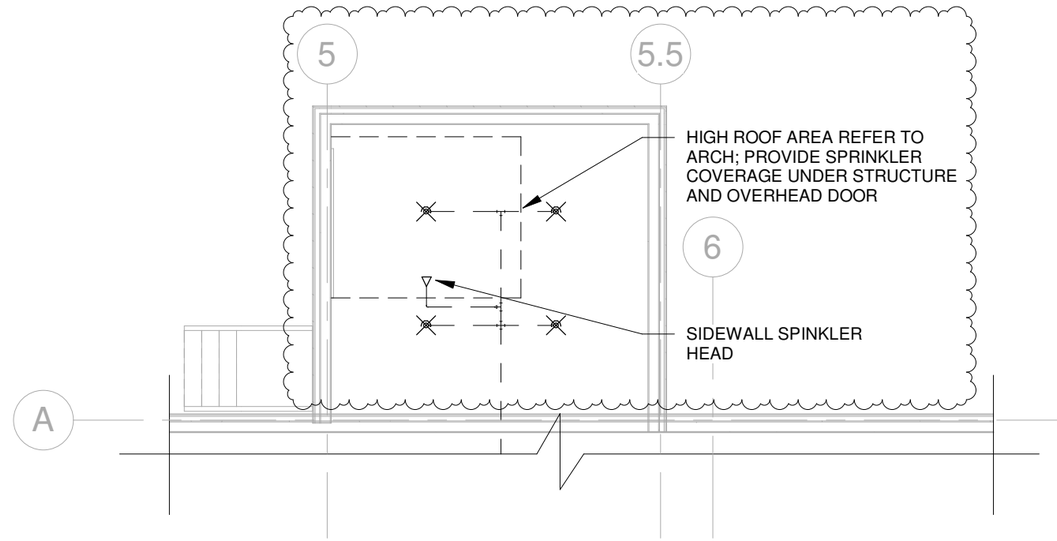
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1 MSK005

MAIN FLOOR - FIRE PROTECTION REVISIONS

1/8" = 1'-0"



2 MSK005

LEVEL 2 - 311 SHIPPING/RECEIVING FIRE PROTECTION

1/8" = 1'-0"

Addendum #2

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Client:
Holland College

Project Title:
Holland College Summerside Waterfront GreenBuild Trade Expansion

Sheet Title:
Fire Protection Revisions

Scale:	Drn By: JRN
Date: 2026-11-13	Chk By: MGC
Project Number: 261102	
Drawing Number: MSK005	