

ARCHITECTURAL ADDENDUM #2

APRIL 24, 2024

Page 1 of 11

REVISIONS:

1. On Drawing A2-2, within Demolition Keying:
Key F-1 should read:
EXISTING VINYL TILE FLOORING TO BE REMOVED (INCLUDING ALL BASEBOARD);
COORDINATE WITH HAZARDOUS MATERIALS REPORT & ASSOCIATED SPECIFICATIONS;
MAKE GOOD ALL REMAINING SURFACES TO RECEIVE NEW FLOORING.
2. On Drawing A2-2, within Demolition Keying:
Key C-1 should read:
EXISTING ACOUSTIC CEILING TILES AND ASSOCIATED SUPPORT SYSTEM TO BE FULLY
REMOVED; COORDINATE WITH HAZARDOUS MATERIALS REPORT & ASSOCIATED
SPECIFICATIONS
3. On Drawing A2-2, within Demolition Keying:
Add Key Z-3 with description:
EXISTING EXTERIOR PLASTER FINISHED SOFFIT AND ALL SOFFIT SUPPORTING
STRUCTURE TO BE REMOVED; COORDINATE WITH HAZARDOUS MATERIALS REPORT &
ASSOCIATED SPECIFICATIONS
4. On Drawing A2-2, Demolition Plan
Add note to the Demolition Plan, in Room 101. In reference to Key F-1 on the east half of the
room (part of the proposed "MAIN ENTRANCE/LOBBY" Room 1.01)
Note to read:
THE ORIGINAL TERRAZZO SUB-FLOOR BELOW THIS REMOVED FLOORING IS TO BE
CLEANED AND PREPARED FOR REFINISHING OF THE TERRAZZO
5. On Drawing A2-2, Demolition Plan
Add Z-3 demolition Key and title at the covered outdoor area outside 1.01 Main Entry/Lobby.
6. On Drawing A6-1, Flooring Plan
Add note to the Flooring Plan, in Lobby 1.01. in area of removed flooring and wall:
Note to read:
CLEAN & POLISH EXISTING TERRAZZO FLOORING AT REMOVED FLOORING & WALL TO
MATCH EXISTING TO REMAIN.
7. On Drawing SC-1, Schedules
Door Types – Door type #2: Change glazing width from 9" wide to 6" wide.
8. On Drawing SC-1, Schedules
Add a general note to the door schedule, reading:
PROVIDE A 75 MIL (MIN.) PAINTABLE RUBBERIZED COATING TO THE BOTTOM 12" OF ALL
EXTERIOR DOORS AND FRAMES (AT GROUND FLOOR LEVEL), ON ALL SURFACES,
INCLUDING HIDDEN INTERNAL FRAME SURFACES PRIOR TO PAINTING

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APRIL 24, 2024

Page 2 of 11

REVISED DRAWINGS (FOR REVISIONS ABOVE):

ARCHITECTURAL DRAWINGS AS LISTED:

- A2-2 Localized Demo & Floor Plans
- A6-1 Localized Reflected Ceiling & Flooring Plans
- SC-1 Schedules

REVISED ARCHITECTURAL SPECIFICATION:

Replace Specification 08100 STEEL DOORS, FRAMES & GLAZING SCREENS
With the attached 08100[R1] STEEL DOORS, FRAMES & GLAZING SCREENS

THESE DRAWINGS ARE NOT TO BE SCALED

ALL DRAWINGS, THE DESIGN, AND THE DETAILS THEREON REMAIN THE PROPERTY OF THE ARCHITECT AND ARE NOT TO BE ALTERED, RE-USED, OR REPRODUCED WITHOUT THE ARCHITECT'S EXPRESS WRITTEN CONSENT.

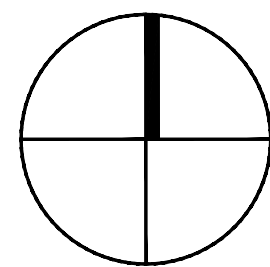
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ALL DRAWINGS, DETAILS & SPECIFICATIONS REPRESENTED IN THE DRAWINGS ARE TO BE USED FOR CONSTRUCTION ONLY WHEN ISSUED BY THE ARCHITECT AND NOTED ACCORDINGLY IN THE 'ISSUE/REVISIONS' BOX HEREON.

ISSUED FOR PRICING 16/05/2023

ISSUED FOR PERMIT 15/04/2024

ISSUED FOR TENDER 17/04/2024



PROJECT:

Alterations to:
**ST. THERESE
CATHOLIC
ELEMENTARY
SCHOOL**

530 Killaly St. East,
Port Colborne ON

for the
**NIAGARA
CATHOLIC
DISTRICT
SCHOOL
BOARD**

SEAL:



CEILING FEATURES:

Architectural Items:

- 8'-0"** FINISHED CEILING HEIGHT (TO UNDERSIDE) ABOVE FINISHED FLOOR
- ETR** EXISTING CEILING FINISHES (& RELATED MECH. & ELECTR. ITEMS AS APPLICABLE) TO REMAIN
- EXP** EXPOSED OVERHEAD STRUCTURE, w/ DECK & ALL RELATED HVAC ITEMS
- #** ROOM IDENTIFICATION NUMBER

S.A.T. #1 (STANDARD LAY-IN TILE)
TILES: 24" X 48" SUSPENDED ACOUSTIC TILES PER SPECIFICATIONS

PMS PREFINISHED METAL SOFFIT

PREFINISHED METAL SOFFIT TO BE 12" WIDE AGWAY STRATUS HIDDEN FASTENER COMMERCIAL V-GROOVE SIDING/SOFFIT IN 24 GA. STOCK C/M STANDARD PERFORATED VENTING ON EVERY THIRD STRIP (AT 30" O.C.) PRODUCT TO BE SUPPLIED WITH CONCEALED FASTENERS, EXTERIOR GRADE METAL FURRING STRIPS, COLOUR-MATCHING ACCESSORY TRIMS & FLASHINGS ETC. ALL AS REQUIRED FOR A COMPLETE INSTALLATION. COLOUR TO BE 0018-24H1 ROASTED ASH WOODGRAIN

Electrical Items:

- A** RECESSED 24" X 48" LED LUMINAIRE AS PER ELECTRICAL
- B** RECESSED 12" X 48" LED LUMINAIRE AS PER ELECTRICAL
- C** RECESSED LED POT LIGHT LUMINAIRE AS PER ELECTRICAL
- D** RECESSED 6 FOOT LONG LED STRIP LIGHT LUMINAIRE AS PER ELECTRICAL
- E** SURFACE MOUNTED 6 FOOT LONG LED STRIP LIGHT LUMINAIRE AS PER ELECTRICAL
- F** RECESSED 6 FOOT LONG LED STRIP LIGHT LUMINAIRE AS PER ELECTRICAL
- G** EXTERIOR WALL SCONCE LUMINAIRE AS PER ELECTRICAL
- H** EXTERIOR SOFFIT LUMINAIRE AS PER ELECTRICAL

Mechanical Items:

- Supply Air Diffuser:** AS PER MECHANICAL
- Return Air Grille:** AS PER MECHANICAL
- Exhaust Fan:** AS PER MECHANICAL

STEEL FRAMING COMPONENTS AS PER STRUCTURAL DRAWINGS

REFLECTED CEILING PLAN (LOCALIZED)

SCALE: 1/4" = 1'-0"

NEW FLOORING FINISHES:

RESILIENT FLOORING KEYING:

Designation	Product Specification
QT	QUARTZ TILE 24X24" ALTRIO QUARTZ TILE AS PER SPECIFICATIONS

EXISTING FLOORING REPAIRS:

Designation	Product Specification
TZ	TERRAZZO: LOCALIZED TERRAZZO FLOOR & COVE BASE INFILL TO MATCH ADJACENT EXISTING TERRAZZO (TO REMAIN)

WALL BASE:

Designation	Product Specification
RB	RUBBER BASE: 4" HIGH JOHNSONITE RUBBER BASE AS PER SPECIFICATIONS

ABBREVIATIONS:

EX. EXISTING
QT. QUARTZ TILE
RB. RUBBER BASE
TZ. TERRAZZO

GENERAL FLOORING NOTES:

- ALL FLOORING MATERIALS AND RELATED WALL TILES TO BE INSTALLED IN FULL ACCORDANCE WITH SPECIFICATIONS AND RELATED ARCHITECTURAL DETAILS.
- TRANSITION STRIPS ARE TO BE SUPPLIED AND INSTALLED AT ALL TRANSITIONS BETWEEN DISSIMILAR FLOOR FINISHES AS PER SPECIFICATIONS.
- TILE EDGING STRIPS ARE TO BE USED AT ALL TILE EDGES AS NOTED IN SPECIFICATIONS.
- ALL FLOORING MATERIALS ARE TO BE INSTALLED ONLY ONCE ALL SUBFLOOR CONDITIONS ENSURING PROPER INSTALLATION ARE MET (INCLUDING CONCRETE MOISTURE CONTENT, LEVELING AND PATCHING OF IRREGULARITIES AND JOINTS, ETC.). ANY FLOORING MATERIALS EXHIBITING IMPROPER ADHESION, SIGNS OF TELEGRAPHING, CALENDARING OR IRREGULARITIES THROUGH THE FINISHED SUBFLOOR, ETC., MAY BE DEEMED UNSUITABLE, REQUIRING RECTIFICATION TO THE ARCHITECT'S STANDARDS AT NO ADDITIONAL EXPENSE.

FLOORING PLAN (LOCALIZED)

SCALE: 1/4" = 1'-0"



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DRAWING TITLE:

**Localized
Reflected Ceiling
& Flooring Plans**

SCALE:

AS NOTED

DRAWN:

A. Passariello

DATE:

April 2024

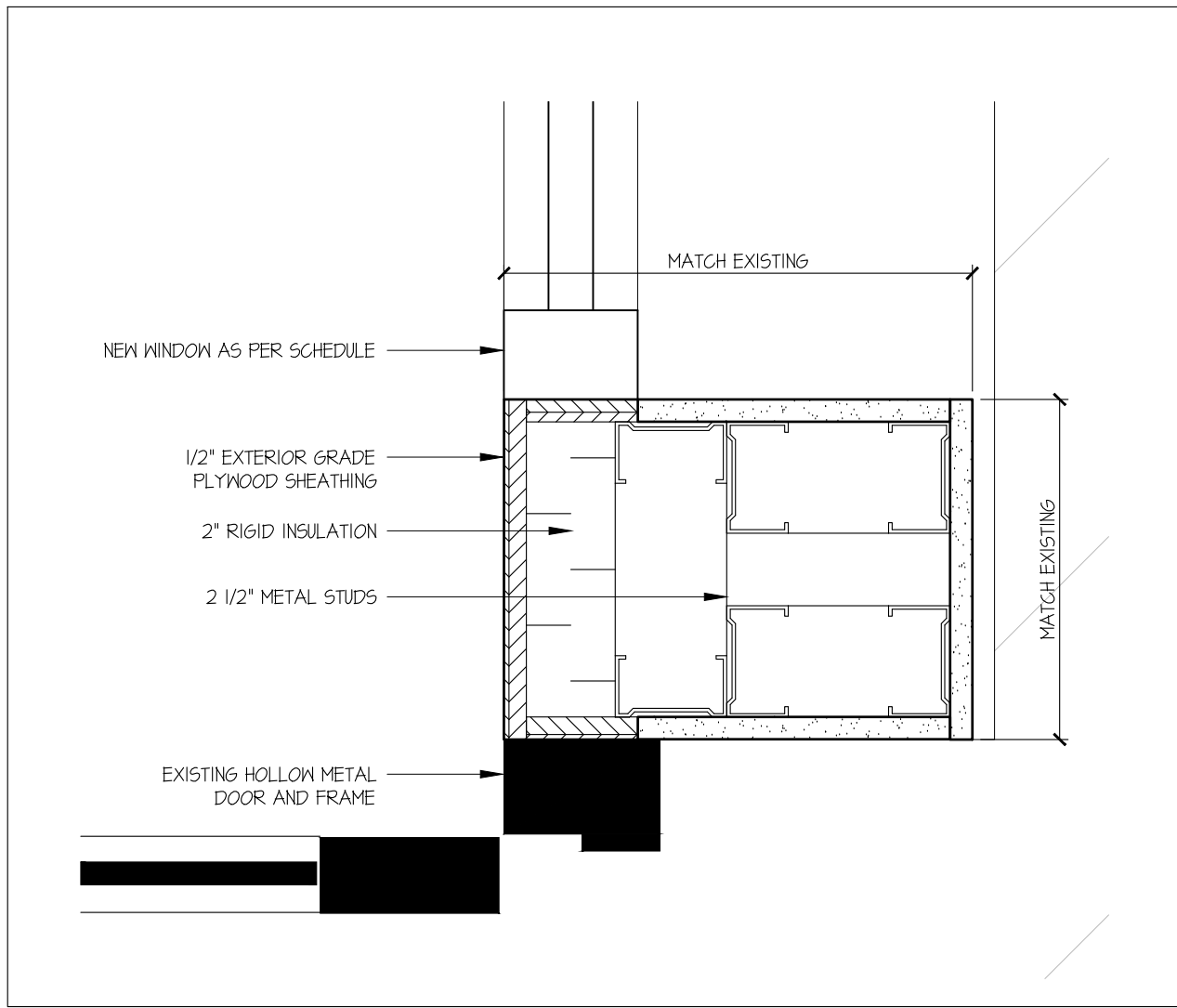
PROJECT #:

2316

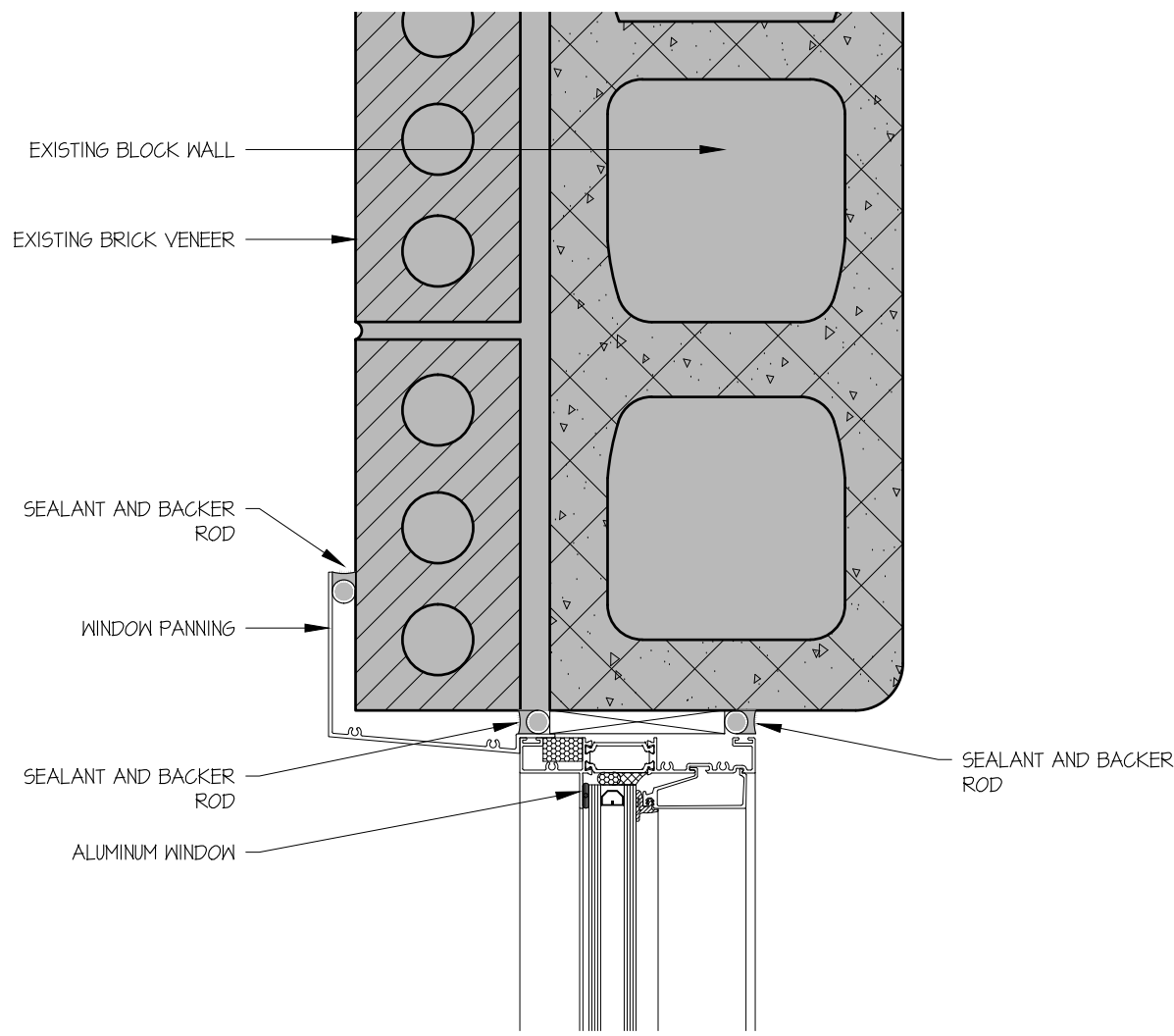
DRAWING #:

A6-1

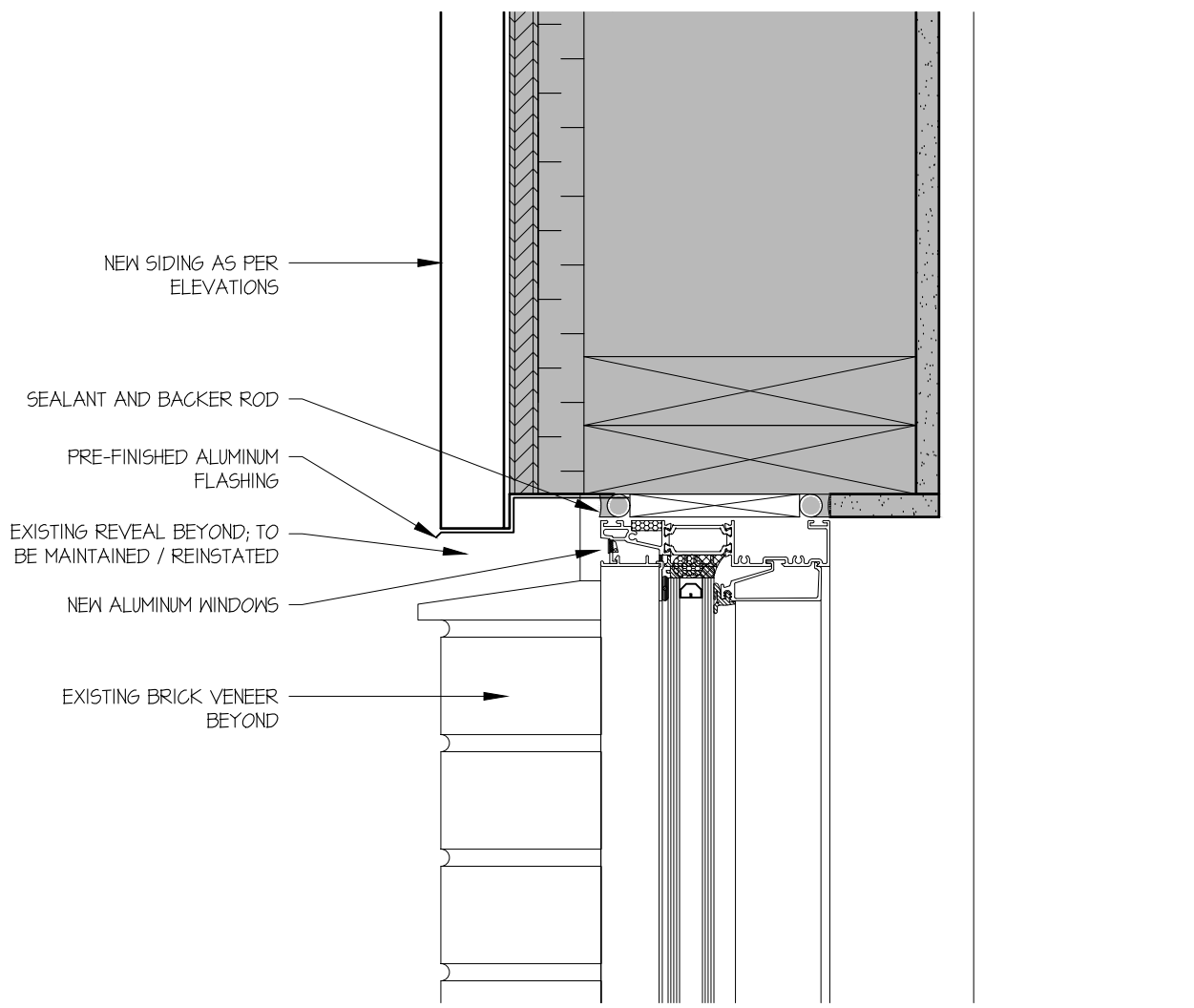
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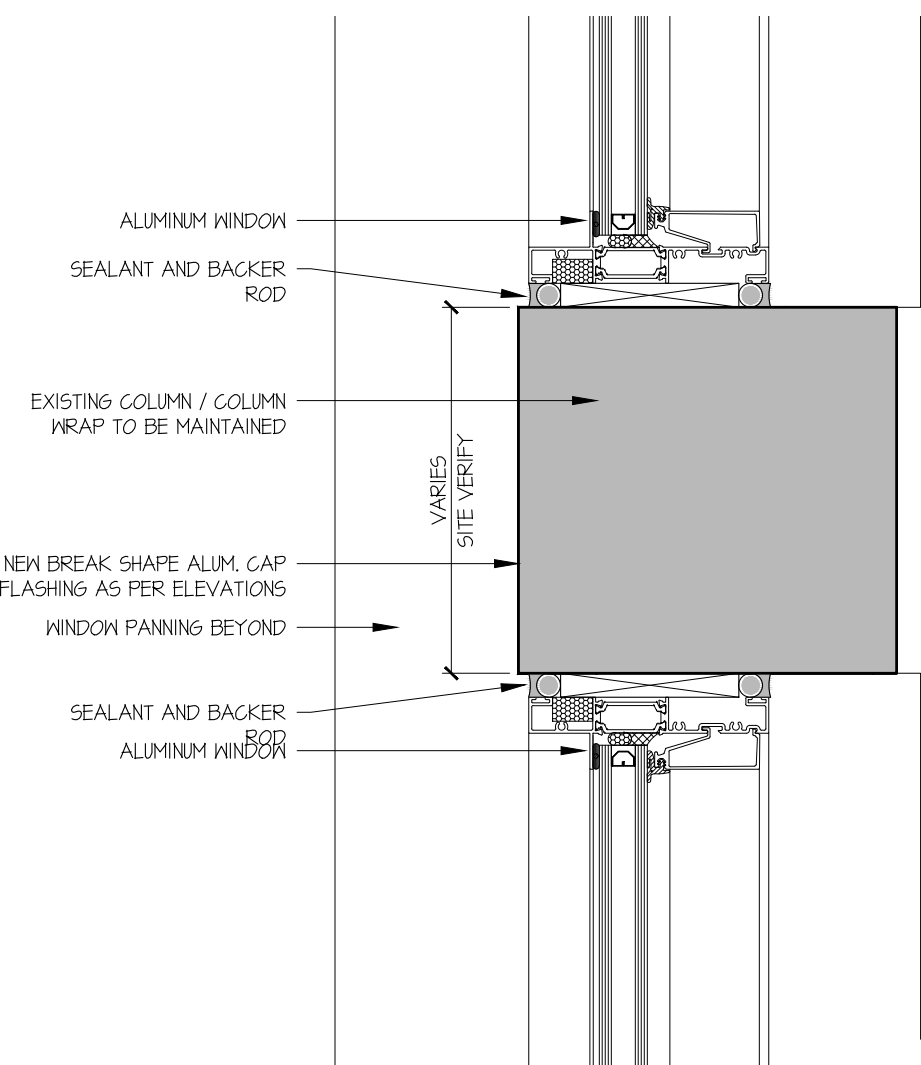
DETAIL: COLUMN WRAP
SCALE: 3" = 1'-0"



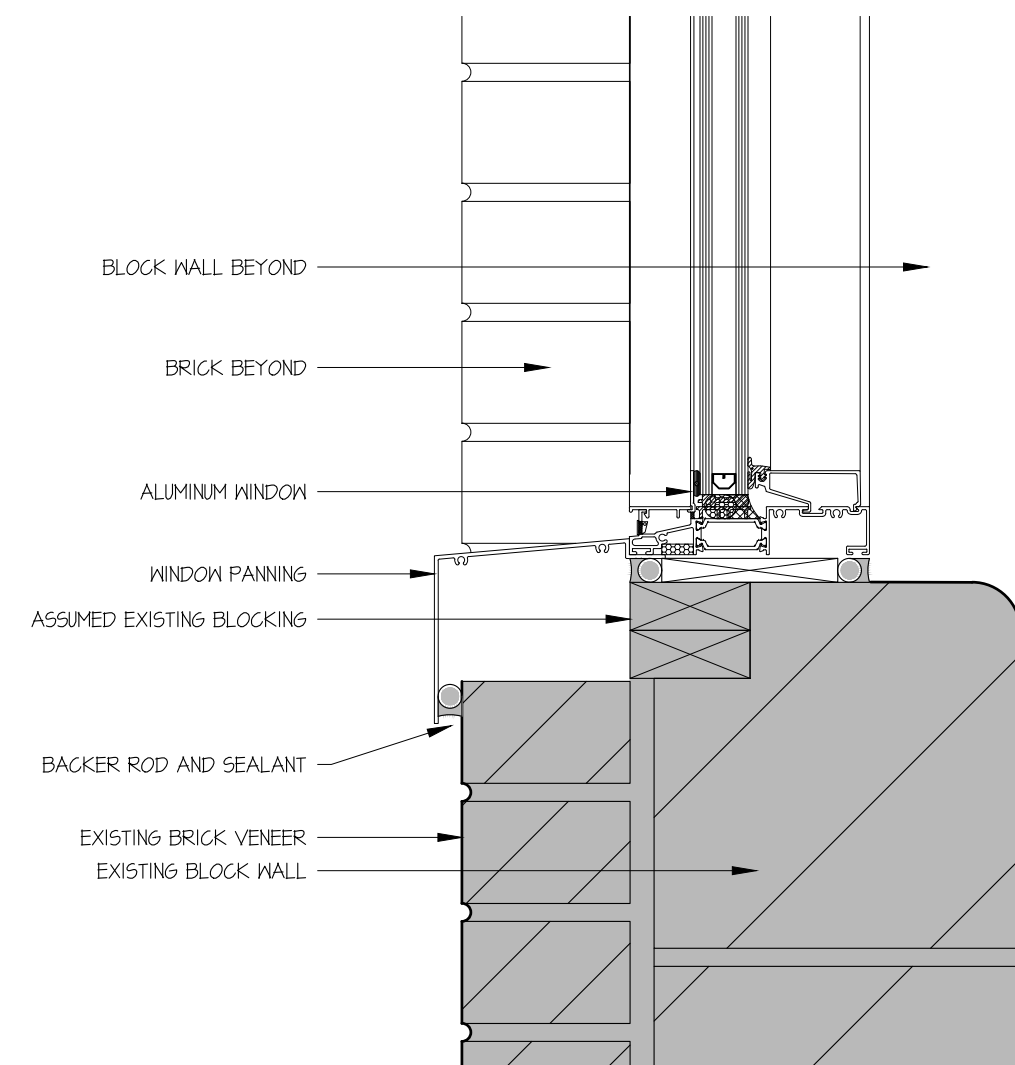
TYP. WINDOW JAMB DETAIL
SCALE: 3" = 1'-0"



TYP. WINDOW HEAD DETAIL
SCALE: 3" = 1'-0"



TYP. WINDOW JAMB DETAIL @ COLUMN WRAP
SCALE: 3" = 1'-0"

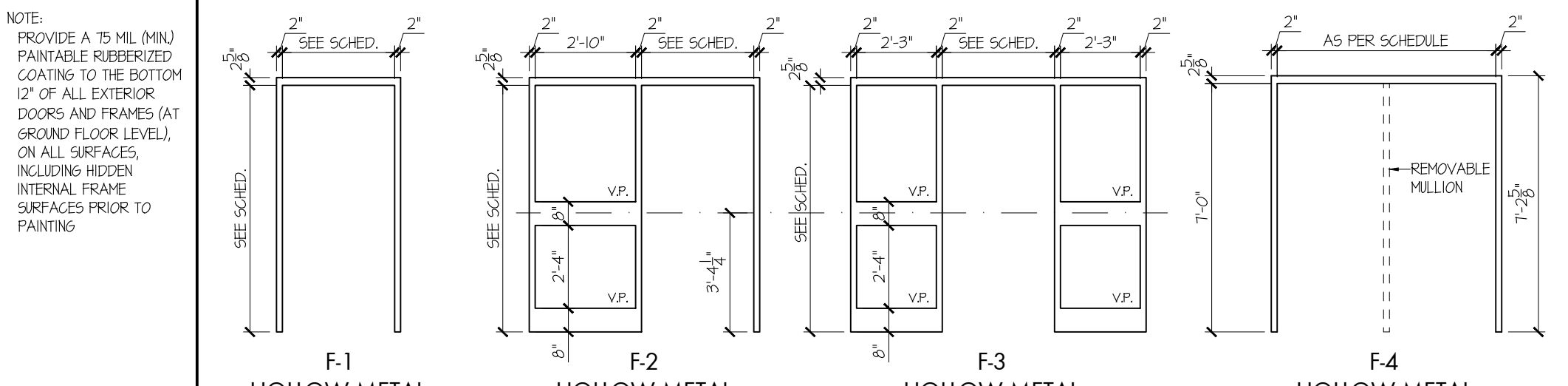
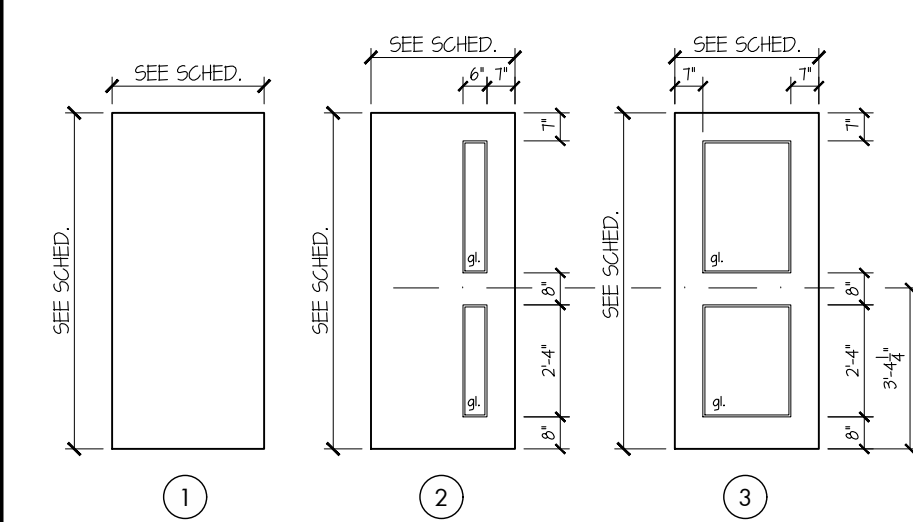


TYP. WINDOW SILL DETAIL
SCALE: 3" = 1'-0"

DOOR SCHEDULE

ID #	LOCATION	DOOR					FRAME					RATING	GLAZING	LEGEND
							H.M. - HOLLOW METAL / PRESSED STEEL H.M.I. - INSULATED HOLLOW METAL / PRESSED STEEL					FR.gl. - FIRE RATED GLASS (SINGLE PANE) gl. - GLASS (SINGLE PANE) V.P. - VISION PANE (INSULATED)	NOTE A - CONCEALED CONTINUOUS STEEL REINFORCEMENT @ INTERIOR OF DOOR FRAME HEAD (FOR CLOSERS, OPERATORS ETC.) NOTE B - CONCEALED CONTINUOUS STEEL REINFORCEMENT @ INTERIOR OF DOOR JAMBS (FOR HEAVY DUTY ANCHORING @ EXTERIOR DOORS) NOTE C - ADD EXTRA HINGE (4TH), 3 STANDARD PLUS 4TH HINGE PLACED 3" BELOW TOP HINGE REFER TO HARDWARE SCHEDULE	
NO.	FROM	TO	SIZE	MATERIAL	ELEV.	FINISH	MATERIAL	JAMB	ELEV.	FINISH	DEPTH	FIRE RATING	INSERTS	REMARKS
D1	EXT.	I,01	(2) 42" X 84"	H.M.I.	3	PAINT	H.M.I.	C	F-4	PAINT	5 3/4"	--	gl.	PREPARED FOR CARD READER ACCESS; PROVIDE BARRIER-FREE OPERATOR, TO BE MODEL #1100, SUPPLIED AND INSTALLED BY HORTON AUTOMATICS; NOTES A, B, C.
D2	EXT.	I,01	42" X 84"	H.M.I.	3	PAINT	H.M.I.	C	F-1	PAINT	5 3/4"	--	gl.	NOTES A, B, C
D101-1	I,01	I,01	36" X 84"	H.M.	3	PAINT	H.M.	A	F-3	PAINT	5 3/4"	--	gl.	PREPARED FOR CARD READER ACCESS; PROVIDE BARRIER-FREE OPERATOR, TO BE MODEL #1100, SUPPLIED AND INSTALLED BY HORTON AUTOMATICS; NOTE A
D101-2	I,02	I,01	36" X 84"	H.M.	2	PAINT	H.M.	C	F-1	PAINT	8 3/4"	--	gl.	PREPARED FOR CARD READER ACCESS; PROVIDE BARRIER-FREE OPERATOR, TO BE MODEL #1100, SUPPLIED AND INSTALLED BY HORTON AUTOMATICS; NOTE A
D101A	I,01	I,01A	36" X 84"	H.M.	1	PAINT	H.M.	A	F-2	PAINT	5 3/4"	--	--	NOTE A
D101B	I,03	I,03A	32" X 84"	EXISTING H.M.	1	PAINT	EXISTING H.M.	--	F-1	PAINT	--	--	--	EXISTING DOOR AND FRAME TO PAINTED
D102	I,01	I,02	36" X 84"	H.M.	2	PAINT	H.M.	A	F-1	PAINT	6 3/4"	--	gl.	--
D103	I,02	I,01	36" X 84"	H.M.	2	PAINT	H.M.	C	F-1	PAINT	8 3/4"	--	gl.	PREPARED FOR CARD READER ACCESS NOTE A
D103A	I,03	I,03A	32" X 84"	EXISTING H.M.	1	PAINT	EXISTING H.M.	--	F-1	PAINT	--	--	--	EXISTING DOOR AND FRAME TO PAINTED
D103B	I,01	I,03	36" X 84"	H.M.	2	PAINT	H.M.	B	F-1	PAINT	8 3/4"	--	gl.	--

DOOR TYPES



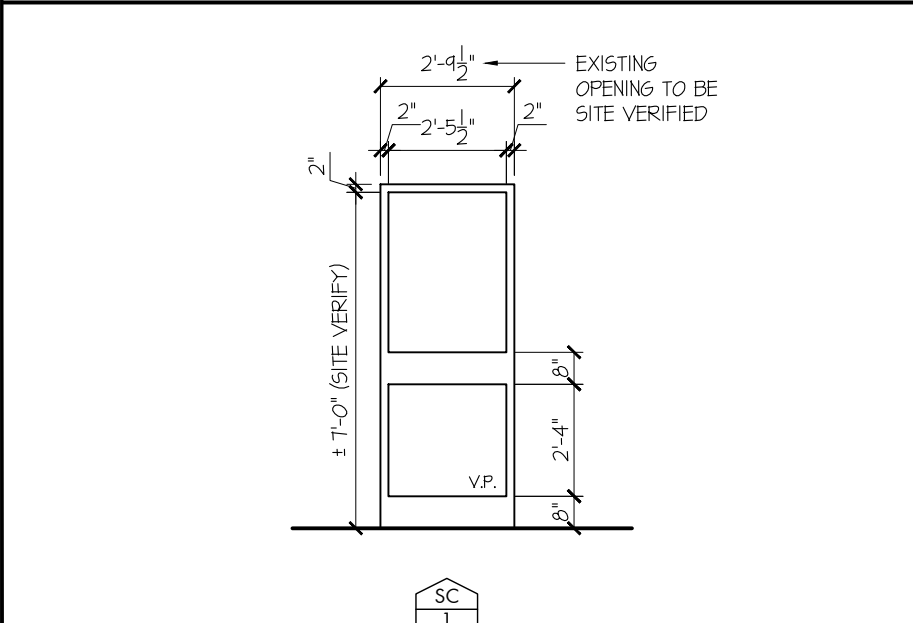
ROOM FINISH SCHEDULE

ROOM		FLOORS			WALLS			CEILING				GENERAL REMARKS	
NO.	NAME	FINISH	BASE	FLOORING NOTES	MATERIAL	FINISH	WALL NOTES	MATERIAL	FINISH	HEIGHT	CEILING NOTES		
I,01	MAIN ENTRANCE / LOBBY	EX. TZ	EX. TZB	FN-1	CMU	PAINT	WN-1, WN-2	EX.	EX.	10'-0"		--	
I,02	CORRIDOR	EX. TZ	EX. TZB	FN-1	CMU	PAINT	WN-1, WN-2	EX.	EX.	10'-0"		--	
I,01	RECEPTION	HVT	RB		CMU	PAINT	WN-1	SAT-1	FF	8'-0"		--	
I,01A	PRINCIPAL OFFICE	HVT	RB		CMU	PAINT	WN-1	SAT-1	FF	8'-0"		--	
I,01B	EXISTING WASHROOM	HVT	RB		EX. CMU	PAINT		SAT-1	FF	8'-0"		--	
I,02	HEALTH	HVT	RB		CMU	PAINT	WN-1	SAT-1	FF	8'-0"		--	
I,03	COPY ROOM	HVT	RB		CMU	PAINT	WN-1	SAT-1	FF	8'-0"		--	
I,03A	EXISTING WASHROOM	HVT	RB		EX. CMU	PAINT		SAT-1	FF	8'-0"		--	
		FLOORING ABBREVIATIONS: RST RUBBER STEP TREAD EX EXISTING TO REMAIN LVT LUXURY VINYL TILE NUMBER PTB PORCELAIN TILE BASE PT PORCELAIN TILE NUMBER RB RUBBER BASE TZ TERRAZZO TZB TERRAZZO BASE FLOORING NOTES (FN): FN-1 LOCALIZED TERRAZZO INFILL AND BASE AS INDICATED ON DRAWINGS			WALL ABBREVIATIONS: CMU CONCRETE MASONRY UNIT (BLOCK WALL) EX EXISTING TO REMAIN FB FIELD BRICK (EXISTING) GNB GYPSUM WALL BOARD LVT LUXURY VINYL TILE WALL FINISH PAINT ALL PAINTED FINISHES TO BE IN THE VARYING PRODUCT FORMULATIONS, SHEENS, ETC., AS OUTLINED IN THE PROJECT SPECIFICATIONS. WALL NOTES (WN): WN-1 NEW AND EXISTING CMU WALLS WN-2 PAINT WALL SEPARATING CORRIDOR/ LOBBY SPACES FROM RENOVATED AREA			CEILING ABBREVIATIONS: EX EXISTING (CEILING FINISHED) TO REMAIN EXP EXPOSED OVERHEAD STRUCTURE, HVAC ITEMS, DECK, & ALL RELATED CEILING MOUNTED FEATURES FF FACTORY FINISH GNB GYPSUM WALL BOARD SAT-# SUSPENDED ACOUSTIC TILE CEILING & GRID SYSTEM (AS PER SPECIFICATIONS) VARIES VARIOUS HEIGHTS AS PER A-6 SERIES DRAWINGS CEILING NOTES (CN): CN-1				GENERAL REMARKS (GR): GR-1	

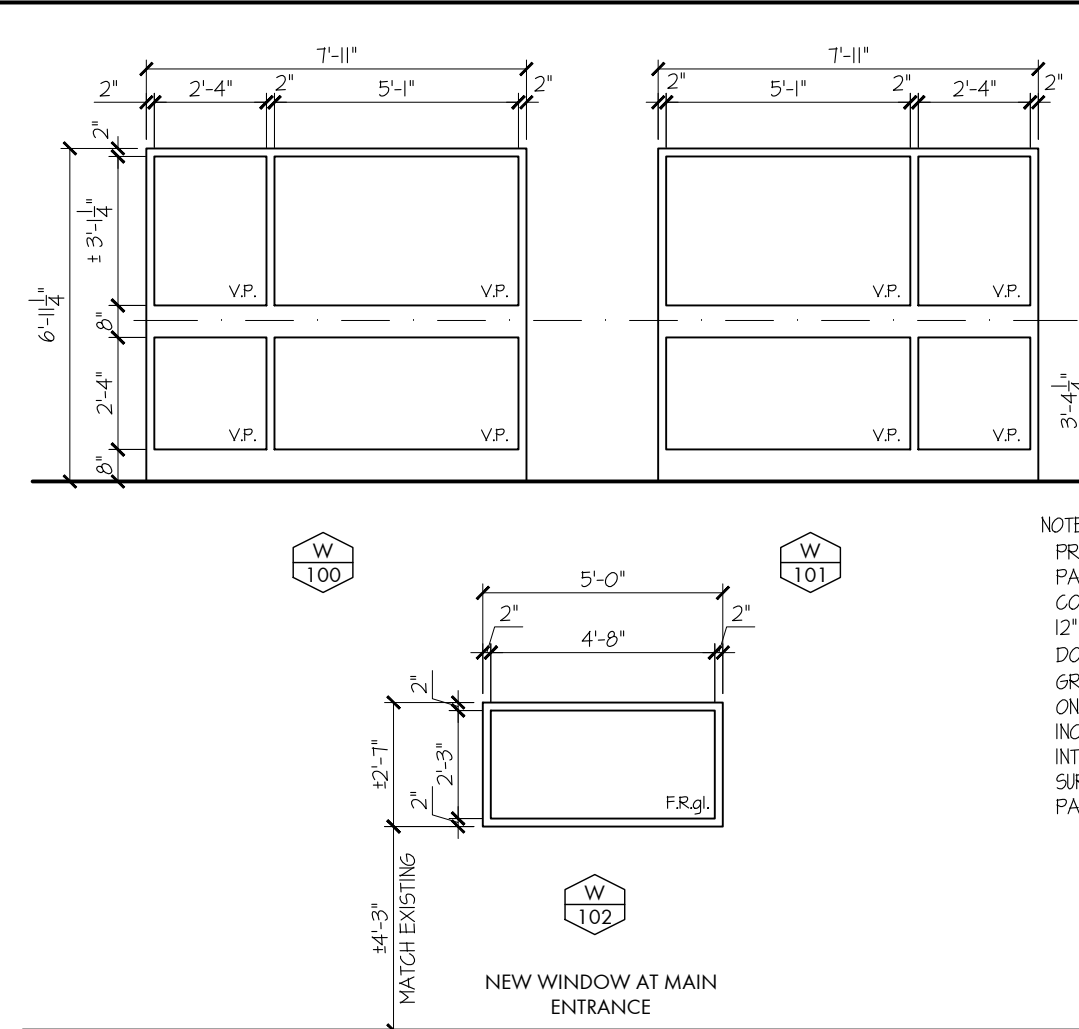
GENERAL NOTES:

- ROOM FINISH SCHEDULE IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS & SPECIFICATIONS TO PROVIDE A COMPLETE UNDERSTANDING OF PROJECT REQUIREMENTS. IN NO WAY IS THE REQUIRED SCOPE OF WORK LIMITED TO OR FULLY COVERED BY THIS ROOM FINISH SCHEDULE.
- ANY ITEMS INSUFFICIENTLY DOCUMENTED HEREIN ARE TO BE REPORTED TO THE ARCHITECT FOR DIRECTION PRIOR TO PROCEEDING WITH ANY RELATED WORK. ANY SUCH WORK COMPLETED ON SITE WITHOUT THE ARCHITECT'S PRIOR DIRECTION MAY REQUIRE SUBSEQUENT RECTIFICATION TO THE ARCHITECT'S SATISFACTION AT HIS SOLE DISCRETION AND AT CONTRACTOR'S EXPENSE.

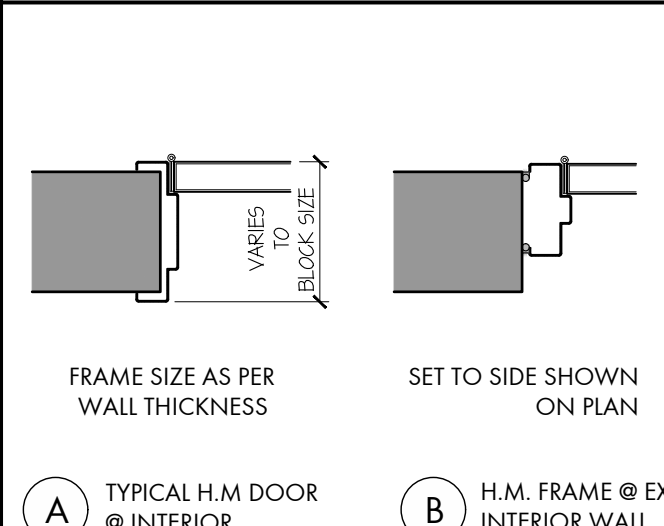
SCREEN SCHEDULE



H.M. WINDOW SCHEDULE



JAMB DETAILS



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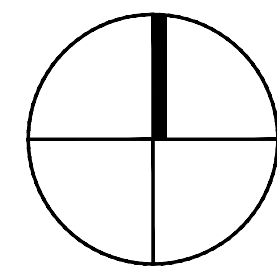
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530 Killyard St. East,
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DRAWING TITLE:

Schedules

SCALE:

AS NOTED

DRAWN:

A. Passariello

DATE:

April 2024

PROJECT #:

2316

DRAWING #:

SC-1

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PART 1 - GENERAL

- | | | | | | | | | | | | | | |
|--------------------------------------|---|--------------------------------------|---------------|---------------------|---------------|--------------------|---------------|-------------|---------------|------------|---------------|-------------|---------------|
| 1.1 General | .1 Division One, General requirements, is part of this Section and shall apply as if repeated here. | | | | | | | | | | | | |
| 1.2 Description of Work | <p>The work shall consist of the following but not limited to:</p> <ul style="list-style-type: none">.1 Fire-rated and non-rated interior steel doors, door frames and glazing screens as indicated on the drawings..2 Prepare frames with continuous bar reinforcement at head of frames for door closures..3 Prepare frames with continuous bar reinforcement at jambs of frames for continuous piano hinges as shown on Door and Frame schedule..4 Prepare frame and doors to receive electrical wiring and control switches for barrier-free door operators supplied by other sections..5 Prepare frames and doors for intrusion alarms..6 Prepare doors as required to receive electrical wiring for door strikes for card access system..7 All steel frames shall be metric sized for metric concrete block coursing unless noted or required otherwise..8 Steel frame sizes and configurations shall be as indicated in the Door and Frame Schedule Drawings. | | | | | | | | | | | | |
| 1.3 Related Work | <table border="0"><tr><td style="padding-right: 20px;">.1 Structural Concrete Block Masonry</td><td>Section 04220</td></tr><tr><td>.2 Finish Carpentry</td><td>Section 06200</td></tr><tr><td>.3 Finish Hardware</td><td>Section 08710</td></tr><tr><td>.4 Sealants</td><td>Section 07900</td></tr><tr><td>.5 Glazing</td><td>Section 08800</td></tr><tr><td>.6 Painting</td><td>Section 09900</td></tr></table> | .1 Structural Concrete Block Masonry | Section 04220 | .2 Finish Carpentry | Section 06200 | .3 Finish Hardware | Section 08710 | .4 Sealants | Section 07900 | .5 Glazing | Section 08800 | .6 Painting | Section 09900 |
| .1 Structural Concrete Block Masonry | Section 04220 | | | | | | | | | | | | |
| .2 Finish Carpentry | Section 06200 | | | | | | | | | | | | |
| .3 Finish Hardware | Section 08710 | | | | | | | | | | | | |
| .4 Sealants | Section 07900 | | | | | | | | | | | | |
| .5 Glazing | Section 08800 | | | | | | | | | | | | |
| .6 Painting | Section 09900 | | | | | | | | | | | | |

- | | | | |
|-----|--|----|---|
| 1.4 | Requirements of Regulatory Agencies | .1 | Fabrication and installation of steel doors and frames is to be in accordance with Canadian Steel Door and Frame Manufacturers' Association, "Canadian Manufacturing Specifications for Steel Doors and Frames", (most current edition) except where specified otherwise. |
| | | .2 | Fabrication and installation of fire rated steel doors and frames is to be in accordance with the requirements of NFPA-80. Rated doors and frames are to carry ULC Labels, permanently anchored; unlabelled units will be rejected. |
| 1.5 | Shop Drawings | .1 | Submit shop drawings in accordance with Section 01340. |
| | | .2 | Indicated each type of door and frame, fire rating, material, core type and thickness, mortices and reinforcements, location of anchors and exposed fasteners, arrangement of hardware, openings, glazing stops and finishes. |
| | | .3 | Include schedule identifying each unit, with door marks and numbers relating to numbering on drawings and in door schedule. |

PART 2 - PRODUCTS

All material notations provided below reflect minimum acceptable standards. For all fire-rated products, suppliers are to provide items fully achieving required/noted fire-resistance ratings. Modify and upgrade material gauges, material composition, fabrication techniques etc. as required to achieve specified ratings (noted on drawings and/or in Door Schedule) in accordance with hollow-metal manufacturer options and offerings.

- | | | | |
|-----|-------------------------------|-----|--|
| 2.1 | Manufacturers | .1 | Fleming, Assa Abloy, Macotta, Vision or approved alternate. |
| 2.2 | Materials Steel Frames | .1 | Sheet steel: commercial grade steel W25 wiped zinc finish. |
| | | (a) | Frames: 1.5 mm (16 U.S. std. ga.) base thickness steel. |
| | | (b) | Floor anchors, channel spreaders and wall anchors: minimum 1.5 mm (16 ga.) base thickness steel. |
| | | (c) | Guard boxes: minimum 0.8 mm (22 ga.) base thickness steel. |
| | | (d) | Glazing stops: minimum 1.0 mm base thickness steel, screw fixed tamperproof (19 ga.) |
| | | (e) | Hardware reinforcing: 6 mm (1/4") steel plate. |
| | | .2 | Reinforcing channel: 100 x 40 mm (C4 x 6.25). |
| | | .3 | Door bumpers: black neoprene double stud |
| | | .4 | Primer: to CGSB 1-GP. |
| | | .5 | Anchors: Wire "T" masonry or welded in UL type. |

**2.3 Materials
Steel Doors**

- .1 Exterior Doors:
Sheet Steel: 1.5 (16 ga.) base thickness, commercial grade steel with exterior-application premium zinc finish.
- .2 Interior Doors:
Sheet steel: 1.2 mm (18 ga.) base thickness, commercial grade steel with wiped zinc finish, interior doors.
- .3 Glazing and panel stops: minimum 1 mm (19 ga.) base thickness sheet steel with wiped zinc finish; tamperproof, screw fixed.
- .4 Door Cores & Insulation:
 - a) Interior Hollow Metal Doors:
Honeycomb structural core consisting of kraft paper having 20 mm (3/4") cell size, pressure-laminated to face sheets.
 - b) Exterior Hollow Metal Doors:
Vertically steel-stiffened core with 0.9 mm (20 ga.) steel ribs at 150 mm o.c. and all voids at door interior fully filled with semi-rigid fibrous insulation with minimum density 24 kg/ cu.m (1.5 lb/cu ft).
- .5 Top and bottom channels: 1.5 mm (16 ga.) galv. steel channels.
- .6 Reinforcing: hinges, 5 mm (6ga.): Lock and flush bolt 3 mm (10 ga.); surface hardware 1.5 mm (16 ga.)
- .7 Primer: for touch up to CGSB 1-GP.

**2.4 Fabrication
Frames**

- .1 Form profiles accurately to approved shop drawings, free of kinks, twists and warps.
- .2 Cut mitres and joints accurately and weld continuously on inside of frame profile. Where site welding or splicing is required due to size of unit, location of field joints shall be shown on Shop Drawings and strictly adhered to; avoid field welding where possible.
- .3 Fully-weld all miters and corners with continuous welds throughout. Tack welds will seam filler will not be accepted. Grind welds at joints to a smooth and flat plane, fill with metallic paste filler and sand to uniform smooth finish.
- .4 Prepare frames for Door Hardware throughout. Mortice, reinforce, drill and tap frames to receive templated strikes, butt hinges, continuous piano hinges and/or all related items identified on the Door Hardware Schedule. Note special requirements for customized hinges and/or hinge quantities

therein.

NOTE:

Owner requires that frames NOT be prepped for Security door contacts. Low-voltage and remaining door contact connections will be installed by the Owner's vendor.

Frame manufacturer to supply door frame heads with a concealed continuous interior chase providing a free-and-clear horizontal void for future door-contact wiring via pull-string. This chase may be constructed with steel plate and stiffeners to suit but must provide an uninterrupted horizontal chase along the bottom portion of the door head, ensuring that it is kept clear of surrounding construction materials.

- .5 Weld guard boxes to frame at all strikes, hinges and concealed closers to completely enclose same.
- .6 Install stiffener plates or spreaders between frame trim where required to prevent bending of trim and to maintain alignment when setting and during adjacent construction work.
- .7 Provide 1.5 mm (1/16") clearance at head and jambs, and no more than 9mm (3/8") at floor. Provide clearance for intended finish flooring. Locate top hinges with top 125 mm (5") below door top, bottom hinges with bottom 250 mm (10") from floor, and intermediate hinges equi-distant between top and bottom hinges.
- .8 Provide adjustable "T" anchors or welded in UL type anchors for each jamb at approximately 600 mm (2'-0") centres. Provide floor anchors on frames that terminate at finished floor. Provide jamb extension anchorage on frames that terminate at slab.
- .9 Provide two welded-in channel or angle spreaders per door frame at bottom to ensure frame alignment.
- .10 Reinforce head of frames over 1200 mm (4') in width. Reinforce jambs of frames over 2400 mm (8') in height or where frame heads are unsupported by adjacent material; install reinforcing continuous from floor to structure above.
- .11 Install 3 bumpers on strike jamb for each single door and 2 bumpers at head for pairs of doors.
- .12 Provide glazing stops in all areas requiring glass or panels, as indicated; stops to be on interior side of exterior frames.
- .13 All frames shall be bonderized and receive one coat of baked on rust inhibitive primer.
- .14 Install all glass with isolation and glazing tapes to suit, included any and all related fabrication techniques or

accessories required to achieve specified fire-resistance ratings.

2.5 Fabrication- Doors

- .1 Doors shall be of hollow metal construction reinforced and stiffened with sound deadening kraft honeycomb, or rigid polyurethane insulation cores. Laminate core to both inside faces of the panels.
- .2 Doors shall be flush-faced construction, free of face seams. All joints/seams are to be mechanically-interlocked and finished with full continuous welds.
Localized tack-welds with seam filler will not be accepted.
Exterior Doors:
16 gauge steel face sheets, with seams continuously-welded and ground smooth and flush.
Interior Doors:
18 gauge steel face sheets, with seams continuously-welded and ground smooth and flush.
- .3 Mortice, reinforce, drill and tap doors and reinforcements to receive hardware using templates provided by Finish Hardware supplier. Manufacturer to make allowance for morticed hardware.
- .4 Make provision for glazing as indicated and provide necessary glazing stops. Stops on interior side of exterior doors.
- .5 Doors shall be cleaned and sanded, given a coat of air drying past filler, again sanded to eliminate all unevenness or irregularities and given a baked on coat of rust-inhibitive primer.
- .6 Install all glass in doors with isolation and glazing tapes to suit, included any and all related fabrication techniques or accessories required to achieve specified fire-resistance ratings.

2.6 Fire Rated Doors Door Frames, and Window Frames

- .1 Fabricate fire rated doors and frames in accordance with details and approved Shop Drawings; materials and fabrication shall conform to the requirements of NFPA-80.
- .2 Glazing stops, anchor types and fastening shall conform to NFPA-80. Install all glass with isolation and glazing tapes to suit, included any and all related fabrication techniques or accessories required to achieve specified fire-resistance ratings.
- .3 Attach ULC Labels to doors and frames with permanent fasteners.

PART 3 - EXECUTION

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|-----------------------------------|---|
| 3.1 Frames | <ul style="list-style-type: none">.1 Set frames plumb, square, level and at correct elevation..2 Secure frames and screens to floor construction with two fasteners at each jamb, and set and brace them securely to maintain true alignment until built-in..3 Install temporary horizontal wood spreaders at third points of door opening to maintain frame width. Provide vertical support at centre of head for openings over 1200 mm wide. Remove temporary spreaders after frames are built in..4 Make allowance for deflection to ensure structural loads are not transmitted to frames..5 Install labeled fire rated frames with anchorage as required by NFPA-80..6 Exterior hollow metal door frames are to be grouted in place throughout. |
| 3.2 Doors | <ul style="list-style-type: none">.1 Install hollow metal doors complete with hinges as supplied under the work of Section 08710..2 Install doors only when work has progressed to a stage when no damage will occur to them in place. |
| 3.3 Adjusting and Cleaning | <ul style="list-style-type: none">.1 Hang doors to swing easily and freely on their hinges, to remain stationary in any position and to close tightly and evenly on frames without binding..2 Refinish damaged and defective work before completion of project.
Refinishing of exposed surfaces shall show no discernible variation in appearance. |

END OF SECTION 08100