

ADDENDUM NO. 03

Project No.: 2160.00

Contract: General

Date: 20-August-2024

This document includes 14 pages and was emailed on 20-August-2024.

To: All Bidders

Project: Arthur Area Community Centre Renovation

Location: 158 Domville St.
Arthur, Ontario NOG 1A0

Owner: Township of Wellington-North

Address: 7490 Sideroad 7 W, PO Box 125
Kenilworth, Ontario, NOG 2E0

Consultant: JPM Architecture Inc.
51 Kingston Street,
Goderich, Ontario N7A 3K3

PART 1 - INTENT

- 1.1 This Addendum is issued to provide modifications and clarifications during bidding.
- 1.2 Except as otherwise specified herein, and as shown on accompanying Drawings, work required by this Addendum shall be in accordance with Drawings dated 17-July-2024.
- 1.3 Bidders are required to take these Addendum items into account when preparing their Bid.
- 1.4 The following is a list of questions, and corresponding answers/comments, received from Bidders. Release of Bidder's questions and corresponding answers/comments is to ensure all parties receive the same information.
 - .1 Q. The Specifications under summary of work relate to demo of the existing grandstand and construction of a new four-story grand stand, please advise to how much of this spec pertains to this scope.
 - A. There is no grandstand work involved in this project.
Drawing A0.2
The first item in Section 00100 - Summary of Work has been revised as follows:
Renovation of approximately 4,260 sf of floor area on the second floor of the Arthur Area Community Centre, including demolition and removal of existing floor and ceiling finishes, removal and disposal of selected doors, windows, shutters, casework, appliances, mechanical and electrical equipment.

- .2 Q. Is the existing masonry block metric or imperial sizing? If imperial please advise to details on how coursing /toothing to existing.
- A. The block at the storage rooms where block infill is required appears to be metric block. The original block at the windows overlooking the rink is imperial, based on the original drawings. Note there are already several seams at transition points in the block wall construction.
- .3 Q. Please advise on the Cash Allowance Values – References Hardware in spec but no value, Suggesting Interior signage and testing and inspection be included.
- A. Door Hardware Cash Allowance to follow.
Mechanical Testing & inspection: \$5,000. See A0.5 Specifications.
Interior signage by Owner.
- .4 Q. DSS Report Table 1, Assuming would be an Item part of the scope as its recommended in the report, will a cash allowance for unforeseen be added?
- A. Note that Table 1 refers to locations on the first floor not included in this scope of work. Locations covered by this scope of work are Rooms 202 and 203. Refer to Table V for bulk sample testing results.
If unforeseen hazardous materials are found in the scope of this renovation, the contingency allowance will be used.
- .5 Q. Regarding temp. services; Is water and temp power required to be supplied by the General?
- A. Since the building will be in operation during construction, power and water from the existing building may be used.
- .6 Q. Consider submission of Section 6, Statement Re: Subcontractors, after the 2:00pm closing time, ie 4:00pm that same day. Completion of that document at tender closing can be difficult, particularly with the Mechanical and Electrical subtrades which we typically do not receive until very close to the closing time.
- A. Please submit all parts of the Bid Documents at the same time.
- .7 Q. The cost of the building permit is listed as by owner in one section and by GC in another, I assume it is by the owner?
- A. The cost of the Building Permit is by Owner. The Contractor shall secure all other permits required.
- .8 Q. Building is unsprinklered, correct?
- A. Yes, the building is unsprinklered.

- .9 Q. Are there any roof penetrations, if so, we would need to know the roof type.
- A. New roof penetrations have been eliminated. The new hood fan in the kitchen exhausts out the wall. Refer to Addendum #2.
- .10 Q. Are there any appliance costs to be carried in the tender (Stove, hood, etc.)?
- A. Yes. Refer to Drawings for appliance, fixture and equipment schedules.
- .11 Q. Are the new window frames are to be Hollow Metal or Aluminum? The Window Frame schedule indicates that they are HM and the note on Dwg A1.1 Floor Plan indicates they are to be Aluminum.
- A. Window frames for openings overlooking the rink to be HM as acceptable for Firelite Plus application. Drawing A1.1 has been updated.
- .12 Q. How high above the ceilings do the wood panels extend, that are being removed?
- A. The panels extend to just above the ceiling grid. See photo below of the ceiling area around the existing duct chase:



- .13 Q. Confirm that the owner is aware there will be colour differences between the existing grid that is remaining, and the new grid that will be required to be installed.
- A. Due to the condition of the existing grid, new grid is indicated for all areas in the scope of work. Existing hangers to be retained and reused.

PART 2 - DRAWINGS AND DOCUMENTS

- 2.1 The following attachments accompany and form part of the Addendum.
- Architectural Drawings:
 - A0.2 Specifications
 - A0.3 Specifications
 - A0.4 Specifications

- A0.5 Specifications
- A1.0 Demolition Plan
- A1.1 Floor Plan
- A1.2 Reflected Ceiling Plan
- A1.3 Enlarged Floor Plan
- A3.0 Schedules
- A4.0 Millwork

PART 3 - DETAILS

3.1 Drawing Revisions:

- .1 Drawing A0.2 The first item in Section 00100 - Summary of Work has been revised.
- .2 Drawing A0.3 Section 07217 - Spray-in-place Urethane Foam Insulation has been added.
- .3 Drawing A0.4 Section 07410 - Preformed Metal Cladding has been added.
- .4 Drawing A0.5 Section 09511 - Acoustic Lay-In Ceilings specification updated.
Section 09660 - Resilient Flooring specification revised.
Div 15 Cash Allowance specification added.
- .5 Drawing A1.0 Notes revised to indicate removal of existing T-Bar grid, hangers to be reused.
Existing Handwash sink to be removed.
Images revised to include removal of soffit.
- .6 Drawing A1.1 Shuffleboard courts inlaid in flooring have been added. Note referencing windows overlooking arena updated.
- .7 Drawing A1.2 Soffit removal and replacement detail added.
- .8 Drawing A1.3 Enlarged detail of shuffleboard court flooring. New handwash sink to be located in island.
- .9 Drawing A3.0 Door Schedule and Interior Finish Schedule revised.
- .10 Drawing A4.0 Millwork revised to suit location of new handwash sink.

PART 4 - DISTRIBUTION

- To Bidders
- Owner
- Consultants

DIVISION 1 - GENERAL REQUIREMENTS

Section 00700 – AGREEMENT DEFINITIONS AND GENERAL CONDITIONS

- The Agreement, Definitions and General Conditions contained in the Standard Construction Document for Stipulated Price Contract CCDC No. 2, revised 2020, shall become a part of the Contract and shall apply to all Contractors and Sub-Contractors.

Section 00100 - SUMMARY OF WORK

- Renovation of approximately 4,260 sf of floor area on the second floor of the Arthur Area Community Centre, including demolition and removal of existing floor and ceiling finishes, removal and disposal of selected doors, windows, shutters, casework, appliances, mechanical and electrical equipment.
- Construction and installation of new partition walls, doors, fire rated windows, interior windows, casework, flooring, wall and ceiling finishes, kitchen fixtures and appliances, including mechanical and electrical equipment, and upgraded fire alarm panel, as well as other work incidental thereto.
- Confine Work to the area defined by property lines.
- Commence no work until Contract is signed.
- The Owner will apply and pay for Building Permit.
- Contractor shall procure all other permits, licenses, inspections and certificates necessary for the performance of the Work.
- Perform Work per the Ontario Building Code and any other codes of Provincial or local application.
- Meet or exceed requirements of the Contract Documents.
- Repair, patch and make good all existing conditions disturbed by the Work, to match or better pre-construction conditions.
- Verify locations, dimensions and elevations on site.
- Execute utility locates.

Section 1250 - SUBSTITUTION PROCEDURES

- Substitution Procedures
 - Contractor may propose a Substitution wherever a *Product* or manufacturer is specified by proprietary name(s), unless there is accompanying language indicating that Substitutions will not be considered.
 - Contractor may propose a Substitution wherever a *Product* or manufacturer is specified by proprietary name(s) and accompanied by language such as "or equal", "or approved equal", or other similar words. Do not construe such language as an invitation to unilaterally provide a Substitution without *Consultant's* prior acceptance in writing. Do not order or install any Substitution without a *Supplemental Instruction* or *Change Order*.
 - Provided a proposed Substitution submission includes all of the information specified in this Section under Submission Requirements For Proposed Substitutions, *Consultant* will promptly review and accept or reject the proposed Substitution.
 - Consultant* may accept a Substitution if satisfied that:
 - the proposed substitute *Product* is the same type as, is capable of performing the same functions as, interfaces with adjacent work the same as, and meets or exceeds the standard of quality, performance and, if applicable, appearance and maintenance considerations, of the specified *Product*,
 - the proposed substitute manufacturer has capabilities comparable to the specified manufacturer, and
 - the Substitution provides a benefit to *Owner*.
 - If *Contractor* fails to order a specified *Product* or order a *Product* by a specified manufacturer in adequate time to meet *Contractor's* construction schedule, *Consultant* will not consider that a valid reason to accept a Substitution.
 - If *Consultant* accepts a Substitution and subject to *Owner's* agreement, the change in the *Work* will be documented in the form of either a *Supplemental Instruction* or *Change Order* as specified in Section 01260 - Contract Modification Procedures.
 - If a Substitution is accepted in the form of a *Supplemental Instruction* or *Change Order*, *Contractor* shall not revert to an originally specified *Product* or manufacturer without *Consultant's* prior written acceptance.
- Submission Requirements for Proposed Substitutions
 - Include with each proposed Substitution the following information:
 - Identification of the Substitution, including product name and manufacturer's name, address, telephone numbers, and web site.
 - Reason(s) for proposing the Substitution.
 - A statement verifying that the Substitution will not affect the *Contract Price* and *Contract Time* or, if applicable, the amount and extent of a proposed increase or decrease in *Contract Price* and *Contract Time* on account of the Substitution.
 - A statement verifying that the Substitution will not affect the performance [or warranty] of other parts of the *Work*.
 - Manufacturer's *Product* literature for the Substitution, including material descriptions, compliance with applicable codes and reference standards, performance and test data, compatibility with contiguous materials and systems, and environmental considerations.
 - Product samples as applicable.
 - A summarized comparison of the physical properties and performance characteristics of the specified *Product* and the Substitution, with any significant variations clearly highlighted.
 - Availability of maintenance services and sources of replacement materials and parts for the Substitution, as applicable, including associated costs and time frames.
 - Details of other projects and applications where the Substitution has been used.
 - Identification of any consequential changes in the *Work* to accommodate the Substitution and any consequential effects on the performance of the *Work* as a whole. A later claim for an increase to the *Contract Price* or *Contract Time* for other changes in the *Work* attributable to the Substitution will not be considered.

Section 01300 - SUBMITTALS

- Submit shop drawings, manufacturer product data, samples as specified.
- Submit maintenance material for Operating and Maintenance Manual. Operating and Maintenance Manual shall contain:
 - List of all suppliers and contractors.
 - Instructions for operating, lubricating and repair or equipment installed.
 - Final finish hardware schedule.
 - Maintenance instructions for all finishes.
 - All signed warranties beyond one year general period.

Section 01410 - SITE INSPECTION REPORTS & TESTING

- The Ontario Building Code specifies the general field reviews of the building be carried out during the course of construction. Contractor shall notify the Consultant of the state of construction to facilitate such reviews by the Consultant and their subconsultants.
- Third party inspection and testing reports are to be supplied to Consultant by the Contractor for the following:
 - Soil bearing capacity for all footings.
 - Reinforcing steel placement.
 - Concrete cylinder test reports for all structural concrete footings, foundation walls, slab-on-grade, structural slabs, concrete on steel deck.
 - Backfill and fill compaction.
 - Slab moisture and pH testing.
 - Inspection of structural steel for alignment, bolts and welded connections.
- Moisture and pH Testing of Concrete Slabs.
 - Execute concrete floor slab moisture testing and pH testing of slabs to receive flooring. Tests to be executed by independent testing company as specified in Section 01020. Testing to be paid for from Cash Allowance as specified in Section 01020.
 - Moisture testing shall be done in accordance with ASTM F2170-02 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes. Testing shall also be done per ASTM F1869 Calcium Chloride Test, when the ASTM F2170 indicates that slabs have reached a relative humidity level of 80% or less.
 - Testing shall not take place until minimum 46 days following completion of curing of floor slabs.
 - Ensure that 20"x20" test areas for four (4) F1869 tests are ground clean and left open for 24 hours prior to installation of calcium chloride test kits by testing company.
 - Ensure that test area is at the same temperature and humidity expected during normal use; 65 degree F to 85 degree F and 45% to 55% relative humidity. The area should be enclosed and HVAC unit should be operating.
 - Surface pH testing of concrete slabs shall be done per ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring, and must range between 7 and 9 before flooring can be installed.

Section 01500 - TEMPORARY FACILITIES

- General Contractor shall provide the following as required for completion of the Work:
 - Temporary electricity.
 - Temporary lighting.
 - Temporary water.
 - Temporary telephone.
 - Temporary fire protection.
 - Temporary first aid.
 - Temporary heating.
 - Temporary sanitary facilities.
 - Temporary site office.

DIVISION 4 - MASONRY

Section 04050 - MASONRY PROCEDURES

General

- Quality Assurance: Comply with the following standards:
 - CSA S304.1 Design of Masonry Structures
 - CSA A371 Masonry Construction for Buildings
 - CSA A179 Mortar and Grout for Unit Masonry
- Submittals: submit shop drawing, product data, samples, etc, for each product under this Division.
- Qualifications:
 - Provide competent trade foreman, well skilled and experienced in the specialized type of work required, for continuous supervision.
 - Provide specialized skilled and competent tradesmen who have had considerable experience in this type of work.
 - Submit, if requested, a detailed list of projects and experience relating to any of the above workers

Designated Substances

- Silica is present in mortar and concrete block. Disturbance of materials containing silica will occur during cutting or grinding of mortar joints. The Contractor undertaking this work is responsible to ensure that workers performing the work are not exposed to airborne silica levels in excess of 0.20 mg/m³. This can be accomplished by:
 - providing workers with suitable respiratory protection and disposable coveralls if airborne levels are in excess of regulated limits;
 - misting work area with water to suppress dust levels and avoiding dry sweeping of dust and debris during clean-up (i.e. use damp mopping or HEPA vacuums;
 - ensuring that adequate temporary ventilation is available inside the work area.
- It should be noted that the use of mechanically powered tools for the work increases the concentration of airborne silica and therefore requires more stringent respiratory protection and controlled work procedures.
- Precautions must be taken, during construction disturbance of silica, to ensure that persons exposed are protected. Constructing physical barriers and using polyethylene drop sheets or enclosures to isolate the work area will control silica levels.
- Comply with "Guideline - Silica on Construction Projects", dated April 2011, as issued by Occupational Health and Safety Branch Ministry of Labour.

Environmental Requirements

- Cold Weather Requirements
 - Protect masonry walls from precipitation so that they are dry in terms of masonry work.
 - Implement cold weather procedures when mean daily air temperatures fall below 4C (40 F). Provide "Protection Period Procedures" and "Requirements During Construction" as specified herein.
 - Masonry temperature shall be not less than 4C (40F).
 - Mortar temperature shall be in the range of 4C (40F) to 20 C (68F). Comply with "Requirements During Construction" chart as specified herein.
 - Provide mortar with 10-16% air entrainment.
 - Utilize maximum/minimum thermometers and relative humidity gauge to ensure conditions are complied with.
 - No frozen materials nor materials containing ice shall be used.
 - Moisture content of the mortar shall be 10-11.5%.
 - Temperature of warmed sand shall be 21 C (70F).
 - Temperature of warmed mortar shall be maintained between 4C (40F) and 49C (120F). There is a danger of flash setting at higher temperatures.
 - Protection Period Procedures: Protection period for mortar before exposure to freezing temperatures shall be 7 days minimum. During the first 3 days the mortar shall be damp cured using damp burlap covered with polyethylene film at masonry temperature above 10C (50F) to ensure some initial strength for the mortar. This shall be followed by four additional days of protection from wind and precipitation with masonry temperature above 0C (32F). Provide water mist curing.
 - Requirements During Construction:

Air Temperature	Requirements During Construction
0C (32F) to 4C (40F)	1. Heat mixing water to minimum 66C (150F) and maximum of 82C (180F).
-4C (25F) to 0C (32F)	1. Heat sand to 21C (70F) and mixing water to minimum 66C (150F) and maximum 82C (180F).
-7C (19F) to 4C (25F)	1. Heat sand to 21C (70F) and mixing water to minimum 66C (150F) and maximum 82C (180F). 2. Provide heat on both sides of walls. 3. Provide windbreaks when wind is in excess of 25 km/hr.
-7C (19F) and below	1. Heat sand to 21C (70F) and mixing water to minimum 66C (150F) and maximum 82C (180F). 2. Provide enclosures and supplementary heat to maintain masonry wall and air temperature above 4C (40F).

- Heating Sand and Water
 - A common method of heating sand is to place a series of culverts beneath the sand pile with a heating source in the pipe. Heat sand slowly to avoid scorching it. Scorched sand will have a reddish tint and should not be used.
 - Electric heating pads for mortar heating are acceptable (9' x 15' or 9' x 7.5' in size). Heat mortar for minimum of 12 hours using this method - eliminates scorching of sand and reduces labour required to tend open fires. Pads should be UL or ULC approved.
 - Alternate method, electric rod heater for water filled drum situated in sand pile - UL approval required. Heats both sand and water. Heating time about 8 to 12 hours and will keep up to 4 tons of sand thawed at sub-zero temperatures.
- Hot Weather Requirements
 - When wall surfaces or ambient temperature reach 25 C, protect new work from rapid drying by providing burlap protection kept misted as necessary to control drying and shrinkage



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Rev No.	DATE	ISSUED FOR TENDER & PERMIT	REMARKS
1	20AUG2024	ADDENDUM #3	
	17JUL2024	ISSUED FOR TENDER & PERMIT	

ISSUED FOR

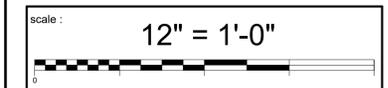
All measurements must be checked on the work by the Contractor.
Do not scale the drawing.
Do not use this drawing for construction until sealed and signed by the Architect.
Signing Architect has exercised responsible control with respect to design activities.



**ARTHUR ARENA
INTERIOR RENOVATIONS**
158 DOMVILLE ST.
ARTHUR, ONTARIO

SPECIFICATIONS

TENDER & PERMIT



detail : a - Detail number
b - Location drawing

drawn : PM check : PM

date : 07/08/24 sheet :

job : 2160.00 **A0.2**

Section 04100 – MORTAR & GROUT FOR MASONRY

General

1. Perform masonry mortar work in accordance with CSA A179 14 except where specified otherwise.
2. All masonry work to conform to requirements specified in Structural Drawings.
3. Submit manufacturer's product data for each component of mortar.
4. Submit duplicate samples of cured mortar for each mortar mix for review of colour and texture.

Products

1. Mortar & Grout: CAN/CSA A179-04 (R2014). Ready mixed mortar for unit masonry, where acceptable, shall conform to ASTM C1142 - 95(2013).
2. Mortar: Type S for load-bearing block; Type N for non-load-bearing block.
3. Do not use bonding agents, antifreeze compounds, chlorides, or admixtures, except colour pigment, unless approved in writing by Consultant.

Execution

1. Mix mortar and grout to CAN/CSA A179 04 (R2014). Mix grout to semifluid consistency.
2. Measure and batch mortar materials either by volume or weight, such that the required proportions can be accurately controlled and maintained. Measurement of sand or other materials exclusively by shovel will not be permitted.
3. Mix mortar with the maximum amount of water consistent with workability to provide maximum tensile bond strength within the capacity of the mortar.
4. Mortar shall be used within 1 ½ hours following mixing if temperature is higher or equal to 25 C (77 F). If temperature is lower than 25 C (77 F), use mortar within 2 ½ hours. Do not use mortar which has begun to set or if more than 2 ½ hours have elapsed since initial mixing. Retemper mortar during 2 ½ hour period, at proper temperature and only as required to restore workability.
5. Mix alternative manufactured bagged mortar in accordance with manufacturer's instructions.

Section 04200 - UNIT MASONRY

General

1. Provide unit masonry as shown on Drawings and specified herein.
2. Quality Assurance: Comply with the following standards:
 1. CSA S304.1 Design of Masonry Structures
 2. CSA A165 Concrete Masonry Units
 3. CSA A371 Masonry Construction for Buildings
 4. CSA A370 Connectors for Masonry
 5. CSA A179 Mortar and Grout for Unit Masonry
3. Submittals: Submit manufacturer's product data for each product furnished under this Division. Submit dimensional drawings of special shapes.
4. Testing: Mortar cube tests shall provide minimum compressive strength of 8.5 MPa. Grout cylinders shall have a minimum compressive strength of 10.0 MPa.

Products

1. Concrete Masonry Units: Furnish metric, autoclaved, lightweight or normal weight, minimum specification u.n.o. (unless noted otherwise) hollow block H/15/A/M and solid block S/15/A/M, of shapes shown.
2. Mortar colour to be approved by Architect.
3. Grout colour to be approved by Architect.
4. Furnish control joint filler, shelf angle supports, mortar mesh and other accessories as shown and noted.
5. Masonry Reinforcing: Furnish metal ties, wire reinforcement, bar type reinforcement, bolts and anchors per CAN3-S304.1. Furnish Blok-Lok or Dur-O-Wall horizontal reinforcing units.

Execution

1. Install masonry and accessories per referenced standards and manufacturer specifications. Install and build in steel lintels, bearing plates, hollow metal door frames and other support devices.
2. Lay-up masonry in running bond u.n.o. stack bond and soldier coursing as shown. Provide concave jointing where mortar is exposed.
3. Clean masonry with water, detergent and brushes as required by Consultant.

DIVISION 6 - WOOD and PLASTICS

Section 06100 - ROUGH CARPENTRY

General

1. Provide rough carpentry as shown.
2. Reference Standards:
 1. NLGA - National Lumber Grades Authority.
 2. CAN/CSA G164 - Hotdip Galvanizing (min. 600mg/m2).
 3. CSA 0121 - Douglas Fir Plywood.
 4. CSA 0141 - Softwood Lumber.
 5. CSA 0151 - Canadian Softwood Plywood.
 6. CSA 086 - Engineering Design in Wood.
3. Design is based on Limit States Design per CSA 086-01.
4. Submit wood treatment data for each type of preservative-treated wood product.

Products

1. Lumber to be SPF No. 1/No. 2 Grade, S4S, surface dry at 19% moisture content u.n.o.
2. Columns to be SPF No. 2 Grade u.n.o.
3. Wood in contact with concrete or exposed to elements to be pressure treated.
4. Pressure treatment according to CSA O80 Series, water borne Alkaline Copper Quaternary (ACQ) or Copper Azole (CA) preservative.
5. Treat cut surfaces with two brush coats of copper naphthenate preservative or liquid Borate as applicable.
6. Nailing shall be per OBC 9.23.3.4 spiral nails and spikes u.n.o., galvanized for exterior work.
7. Bolts, nuts washers, screws, pins appropriate to substrates and galvanized for exterior work.
8. Wood to wood connections, Simpson Strongtie shoes, clip angles and hangers, galvanized u.n.o.
9. Sill gasket of expanded polyethylene of plate width.
10. Plywood: Canadian Softwood Plywood of thicknesses, types and grades shown u.n.o.

Execution

1. Install work plumb, square, level and permanently secured
2. Install blocking, strapping, furring and other like items.
3. Set up and brace door frames for mason.
4. Plywood joints are to be staggered, nail wall sheathing at 150mm (6") o.c. at edges and 300mm (12") o.c. elsewhere, u.n.o. Nails to be 11 gauge (0.12") and 62mm (2 ½") long minimum u.n.o.

Section 06201 - CASEWORK & COUNTERTOPS

General

1. Provide casework, countertops and shelves as shown on Drawings and specified herein.
2. Reference Standards: Do casework, countertops and shelves to Architectural Woodwork Standards of the Architectural Woodwork Manufacturers Association of Canada (AWMAC) and the National Hardwood Lumber Association (NHLA) requirements.
3. Submittals: Submit shop drawings, manufacturer's product data and samples of door, drawer and box construction, finish hardware, plastic laminate, stainless steel, in finish selected, and countertops.

Products

1. Softwood lumber to CSA 0151-M and National Lumber Grades Authority requirements.
2. Melamine board: Medium density particle board core for interior use, with melamine faces both sides, of thickness shown and colour as selected by Consultant. Furnish PVC banding for exposed edges in colour to match melamine board. Furnish melamine covered hardboard backs as shown.
3. Particleboard (Mat-Formed): minimum 620-670 kg/m3 (38.7-41.8 lbs/cu.ft.) density, and meeting ANSI A208.1-2009, Grade M
4. Hardboard: Tempered hardboard to CGSB 11-GP-3M, Type 2.
5. Backing Sheet: Furnish backing sheet by same manufacturer as facing sheet, match facing sheet thickness, of standard balancing or backing grade.
6. Edge Banding: Provide extruded PVC edge banding at perimeter of interior melamine shelves, 3mm thick, in colour to match melamine and HPL.
7. Nails and staples: to CSA B111, stainless steel.
8. Fabrication: to Flush Overlay design, and AWMAC construction Custom Grade. Exposed surfaces including shelves in units without doors to be hardwood plywood with High Pressure Laminate. Semi-exposed surfaces to be melamine board including cabinet interiors and interior shelves. All shelving to be adjustable using continuous recessed pilasters. Shop assemble work in sizes easily handled and to ensure passage through building openings.
9. Countertop Fabrication: to CAN3-A172, Appendix "A", edge as selected by Consultant, Postform Grade (PF), Type 1, 0.8mm (0.032") thick, mottled colour range, with special scratch resistant finish. Furnish profile plastic laminate end cap closures on open-end counters. Furnish side splash at abutting walls to match countertop. Furnish laminate from same dye lot to ensure adjacent parts of continuous work match in colour. Joints and their location shall be shown on shop drawings.
10. Furnish High Pressure Laminate as indicated: Formica MISSION WHITE 933.
11. Stainless Steel as indicated on Drawings. T304 Stainless Steel with a #4 finish unless otherwise specified.
12. Hardware:
 1. Shelving recessed pilaster strips and clips K&V 255 and 256 colour as selected.
 2. Drawer boxes: Richelieu Metabox 320 Series, 320 Series, 320K for upper standard drawer depth, 320H for lower deeper drawers, white colour, 100 lbs capacity, 3/4 extension slides, rear sockets.
 3. Door hinges: Richelieu self-closing concealed European style.
 4. Pulls: Richelieu BP33206140 Functional Pulls, 4" centres, chrome.
 5. Bumpers: Richelieu No. 2650611 clear polyurethane.

Execution

1. Set and secure materials and components in place, rigid, plumb and square.
2. Provide concealed fastening in exposed surfaces.
3. Fit and adjust operating hardware.

DIVISION 7 - THERMAL & MOISTURE

Section 07270 - FIRESTOPPING

General

1. Provide firestopping as required to maintain fire ratings and fire/smoke separations, and as shown on Drawings.
2. Submittals: Submit manufacturer's product data.
3. Testing: Firestopping systems shall pass CAN4-S115.

Products

1. Dow Corning "Fire-bloc" Firestop System or equal by Double AD or 3M. Furnish the following components as required:
 1. Firestop Sealant #2000 or Fire-bloc 3-50: One part silicone elastomer,
 2. Firestop Foam #2001: Two part silicone elastomer,
 3. Intumescent Wrap Strip: #2002 for pipe penetrations,
 4. Self Levelling Firestop Sealant #2003 or Fire-bloc 3-10 for horizontal floor applications,
 5. Mineral wool insulation by Roxul or Fire-bloc 1 preformed firestopping.

Execution

1. Prepare substrates and install firestopping per manufacturer's tested and passed systems.

Section 07217 - SPRAY-IN-PLACE URETHANE FOAM INSULATION

General

1. Provide spray application of polyurethane foam to provide insulation, air barrier and vapour barrier, at the following locations:
 1. Soffit below Second Floor Kitchen and
 2. as shown on Drawings.
2. Reference Standards:
 1. CAN/ULC - S705.1-98 Standard for Thermal Insulation Spray Applied Rigid Polyurethane Foam, Medium Density, Material Specification.
 2. CAN/ULC - S705.2-98 Standard for Thermal Insulation Spray Applied Rigid Polyurethane Foam, Medium Density, Installer's Responsibilities - Specifications.
 3. Canadian Urethane Foam Contractors Association (CUFCA)" Manual for Installers of Spray Polyurethane Foam Thermal Insulation".
 4. CCMC Evaluation Report 12380-R Insulation material.
 5. CCMC Evaluation Report 12893-R Air barrier material.
 6. CNRC A-3136 Investigation report of Water Vapour Transmission.
3. Submittals:

1. Before commencing work, submit the following in accordance with Section 01340: Results of independent laboratory test reports, product data sheets, physical properties, meeting or exceeding requirements of the standard and specification.
2. Submit a laboratory report of the adhesion compatibility with: flashing, membranes, coatings and substrates.
3. Submit license under CUFCA and certification of applicators under CUFCA/NECA (National Energy Conservation Association) prior to the commencement of work.
4. Submit manufacturer's conformity certification to NBC requirements for the polyurethane foam system.
5. Submit independent laboratory results on vapour permeance properties (ASTM E96 system) for three samples in each composition wall.

Quality Assurance

1. Contractor performing work under this section must be licensed under CUFCA (Canadian Urethane Foam Contractors Association) Quality Assurance Program.
2. Applicators performing work under this section must be trained and certified by CUFCA/NECA (National Energy Conservation Association).

Products

1. Furnish spray applied polyurethane foam insulation system in accordance with CAN/ULC-S705.1 Standard for Thermal Insulation Spray Applied Rigid Polyurethane Foam, Medium Density, Material Specification.
2. Product: "Heatlock Soya HFO", "Polarfoam Soya HFO" or "Boreal Nature Elite, complying with the following physical properties.

Density	ASTM 1622	2.0 lb/m3	32.0 kg/m³	Air Permeance	ASTM E 2178-13 (30.7mm top skin removed)	0.0021 s/m²@75 Pa
Long Term Thermal Resistance (LTR) Design value	CAN/ULC S770-03 CAN/ULC S705.1-01	100 mm / R-25 75 mm / R-19 50 mm / R-12	100 mm / 4.24RSI 75 mm / 3.26RSI 50 mm / 2.03RSI	Fungi Resistance	ASTM C1338	No Fungal Growth
Long Term Thermal Resistance (LTR) Design value	CAN/ULC S770-09 CAN/ULC S705.1-15	100 mm / R-24 75 mm / R-17 50 mm / R-11	100 mm / 4.14RSI 75 mm / 3.00RSI 50 mm / 1.94RSI	VOC	CAN/ULC S774	1 day
Dimensional stability	ASTM D 2126 (% of change in volume at 28 days)	20°C 70°C H.R. ± 97 +/- 3%	-0.1% +0.5% -0.3%	VOC	GREENGUARD Certification	Gold
Water vapour permeance	ASTM E96 (50mm)			Water vapour permeance	ASTM E96 (50mm)	0.23 perm 13 ng/Pa.s.m²
Radon Diffusion Coefficient	ISO/TS 11065-13 (method C: K124/02/95)			Radon Diffusion Coefficient	ISO/TS 11065-13 (method C: K124/02/95)	1.3x 10-10m²/S
Radon Resistance Coefficient 50mm	ISO/TS 11065-13 (method C: K124/02/95)			Radon Resistance Coefficient 50mm	ISO/TS 11065-13 (method C: K124/02/95)	17410 x106/s/m
Building Face Protection	Article 3.2.3.8 NBC 2015			Building Face Protection	Article 3.2.3.8 NBC 2015	UL E244 Assembly UL E265 Assembly
Flame Spread Index	CAN/ULC S102-S127		235			
Compressive strength	ASTM D1621	24.8 lb/in²	171 KPa			
Tensile strength	ASTM D1623	58.16 lb/in²	401 KPa			
Open cells	ASTM D6226		5 %			
Water absorption	ASTM D2842		0.64%			

Primers

1. Furnish primers per manufacturers recommendations and CAN/ULC S705.2 for surfaces conditions.
2. For oily metal surface like Z-Bar, steel deck roof or curtain wall pan, aluminum tube, and PVC, before spraying polyurethane foam apply ADBOND 8388-1 adhesive primer, color: red.

Equipment

1. Furnish equipment as recommended in CAN/ULC S705.2 and approved by foam manufacturer for type of application.

Execution

1. Verify that surfaces and conditions are suitable to accept work specified herein.
2. According to the prescriptions of the standard CAN/ULC S750.2 verify the conditions of surfaces.
 1. Surfaces to be covered with spray foam should be free of an excess of moisture, frost, oil, rust and any other foreign material able to have a negative affect on the adhesion of the product.
 2. Verify the adhesion of membranes and coatings to different substrates are good, taking in account the climatic conditions for the application of membranes, coatings and spray foam.
3. In the case of particular conditions comply with recommendations of the manufacturer.
4. Report, to Consultant in writing, any defects in surfaces or conditions that may adversely affect the performance of products installed under this section, before commencement of work.
5. Ensure that all the work that needs to be performed prior to the application of the spray foam insulation is completed. Including these elements, but without limitation:
 1. Furring, wood blocking, sub-frames, flashings, mechanical fastening;
 2. Coatings, membranes, flashings, mechanical fastening;
 3. Mechanical and electrical works;
 4. Fire-stop
 5. Primer
6. Perform spray-application of polyurethane foam in accordance with CAN/ULC S705.2. Standard for Thermal Insulation Spray Applied Rigid Polyurethane Foam, Medium Density, Installer's Responsibilities.
 1. Ventilate area receiving insulation to maintain safe working conditions.
 2. Ensure the safety of the workers in conformity with local regulations, standards and manufacturers recommendations.



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1	20AUG2024	ADDENDUM #3
	17JUL2024	ISSUED FOR TENDER & PERMIT
Rev No.	DATE	REMARKS
ISSUED FOR		

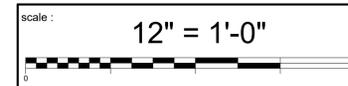
All measurements must be checked on the work by the Contractor.
Do not scale the drawing.
Do not use this drawing for construction until sealed and signed by the Architect.
Signing Architect has exercised responsible control with respect to design activities.



**ARTHUR ARENA
INTERIOR RENOVATIONS**
158 DOMVILLE ST.
ARTHUR, ONTARIO

SPECIFICATIONS

TENDER & PERMIT



detail : a - Detail number
b - Location drawing

drawn : PM check : PM

date : 07/08/24 sheet :

job : 2160.00 **A0.3**

Section 07410 – PREFORMED METAL CLADDING

General

- Provide preformed metal cladding, including but not limited to:
 - Vented Soffit / Ceiling panels
 - Caulking and sealant
- Design Criteria: Design metal ceilings, soffits and fastening to support positive and negative wind loading for site location. Base general design on CAN3-S136-M.
- Submittals: Submit shop drawings, manufacturer product data and samples of siding and trim in colour specified.

Products

- Metal Ceiling / Soffit panels: Agway V-Rib 24 ga. hole vented pre-finished soffits, colour to match existing and be approved by Architect.
- Accessories, trim and flashing to match cladding.
- Sealant per Section 07900.

Execution

- Install soffit and accessories per reviewed shop drawings and manufacturer’s written directions.

DIVISION 8 - DOORS & WINDOWS

Section 08100 - HOLLOW METAL WORK

General

- Provide hollow metal work as shown on Drawings and specified herein, including fire-rated and non-fire rated, insulated and non-insulated assemblies.
- Submittals: Submit shop drawings and manufacturer product data. Do not proceed with fabrication without receipt of approved shop drawings and approved hardware schedule.
- Coordinate with Finish Hardware Supplier to ensure proper preparation of doors and frames.
- Fabricate and install labelled steel fire-rated door and frames to NFPA 80 except where specified otherwise.

Products

- Furnish doors and frames by a member/firm of the Canadian Steel Door and Frame Manufacturers Association (CSDFMA).
- Furnish steel sheet to ASTM A526 with galvanize finish to ASTM A525, W25 (wiped) designation.
- Furnish fire-rated doors and frames of material and construction complying with Underwriters Laboratories of Canada (ULC) or Warnock Hersey (WH) for labelled ratings indicated, with appropriate label attached.
- Furnish 1.2mm hollow metal frames for metal stud and gypsum board partitions and 1.6mm welded hollow metal frames for other door frames.
- Provide hardware reinforcement per CSDFMA requirements.
- Provide frames with appropriate anchors for anchorage to floor and wall substrates per CSDFMA.
- Provide black neoprene double stud bumpers.
- Provide exterior door steel top caps.
- Hollow Metal Work:
 - Furnish Hollow Metal Door Frames as follows:
 - Furnish 16 gauge (1.3mm) welded type, hollow metal frames.
 - Hardware Reinforcement: per CSDFMA requirements.
 - Channel Spreaders: 0.9 mm steel.
 - Steel frame anchors: thickness and design approved by CSDFMA and ULC.
 - Lock, strike, etc., reinforcing: minimum 1.6 mm thick base steel.
 - Hinge Reinforcements: 2.7 mm steel.
 - Each door opening shall be prepared for single stud rubber door silencers, three (3) for single door openings, two (2) for double door openings, except on gasketed frame product.
 - Weld-in-place all frame back boxes provided by Section 08710, for electric hardware. Boxes shall be centred around the electric hardware preparation.
 - Provide frames with weld-in-place steel reinforcement to suit all three closer mounting applications (regular, top jamb and parallel arm application).
 - Fire-rated frame shall be provided for those openings requiring fire protection as determined and scheduled by the Consultant.
 - Provide fill caps, at interior side of exterior hollow metal door frames, for installation of sprayed foam insulation.
 - Furnish Hollow Metal Doors as follows:
 - Furnish flush and embossed type doors, of sizes conforming to details and schedules, with provisions for cutouts for glass and reinforced to receive hardware fastenings.
 - Facings: 1.3mm steel.
 - Honeycomb core.
 - C/W tack-welded side seams.
 - Glazing stops: minimum 1.5mm steel, formed, drilled and countersunk for fastenings.
 - Furnish Hollow Metal Frames as follows:
 - Furnish frames of types as specified herein.
 - For welded frames, cut frame mitres accurately and weld continuously on inside of frame profile.
 - Glazing stops shall be formed steel channel, minimum 16 mm (0.625”) height, accurately fitted, butted at corners and fastened to frame sections with counter-sunk oval head sheet metal screws.
 - Furnish Fire Rated Doors and Frames as follows:
 - Fabricate fire-rated door and frame for opening as indicated on the Door Schedule. Fabricate door and frame for hourly rating noted on Door Schedule in compliance with ULC requirements. Furnish door and frame with appropriate ULC label attached.
 - Locate ULC label on door on hinged edge, midway between top hinge and head of door. Locate ULC label on frame indoor rebate.
 - Mortise, reinforce, drill and lap doors to receive templated hardware and reinforce for hardware, all as per ULC requirements
- Fabrication: Fabricate items per CSDFMA “Canadian Manufacturing Specifications for Steel Door and Frames” and per reviewed shop drawings. Furnish welding per CSA W59 by a firm approved by Canadian Welding Bureau (CWB) to requirements of CSA W47.1.

Execution

- Frames, finish hardware and doors shall be installed in accordance with Canadian Steel Door Manufacturers Association installation procedures.

Section 08710 - FINISH HARDWARE

General

- Furnish finish hardware for doors as shown on Drawings and specified herein, from cash allowance.
- Hardware supplier shall furnish and deliver to project all items of architectural hardware.
- Hardware supplier shall furnish and install electrical hardware items including, but not limited to, electric exit devices, current transfer devices, integration modules, barrier-free operators and switches, low voltage wire and power supplies and telephone access system. All low voltage terminations shall be completed by the hardware supplier.
- Submittals: Submit five sets of riser and schematic wiring diagrams for electrical hardware systems. Submit samples of each hardware item. Submit templates for use by fabricators and installers. Submit maintenance, operating and installation instructions for maintenance manuals. Submit six copies of finish hardware schedule.
- Quality Assurance: Finish hardware schedule shall be prepared by a Finish Hardware Consultant member in good standing with the Door and Hardware Institute (DHI). Furnish hardware as required by jurisdiction codes. Furnish ULC or WHI listed hardware for fire-rated construction. Furnish ULC and/or CSA listed electrical components.
- Warranty: Provide five (5) year extended warranty for door closers.
- Inspection and supervision: Hardware supplier shall provide a qualified Architectural Hardware Consultant who shall cooperate with installer and clarify locations or installation methods of particular items.

Products

- Furnish Commercial Grade finish hardware made to template and templates together with instructions necessary for door and frame preparation.
- Furnish necessary screws, bolts and other fastening devices to anchor hardware neatly and properly per best practices.
- Materials:
 - Hinges: Stanley or McKinney.
 - Continuous Hinges: Larsen or Markar.
 - Flush Bolts: HB Ives, DCI or Trimco.
 - Current Transfers: Von Duprin or Securitron.
 - Astragals: KCN, NGP or Pemko.
 - Door Stops: CBH or Gallery.
 - Latch Sets and Cylinders: Schlage or Sargent.
 - Exit Devices: Von Duprin or Sargent.
 - Door Closers: LCN or Nortan.
 - Closer/holders: LCN or Nortan.
 - Kick Plates: CBH or Gallery.
 - Overhead Stops: GJ or Sargent.
 - Thresholds: KNC or Pemko.
 - Auto Door Bottoms: KNC or Pemko.
 - Weather Strip: KNC or Pemko.
 - Integration Modules: TAC or Detex.
 - Power Supplies: Securitron or TAC.
 - Telephone Access System: Microm (no substitution).
 - Automatic Entry Door Operators: Horton or Besam.
- Finishes: As selected by Owner.
- Keying: Key cylinders to a new patented factory key system, submit key schedule for Owner approval prior to any key work.
- Supply construction keyed cylinders and construction keys.
- Furnish key cabinet of suitable size and lockable.
- Provide instructions and templates to fabricators and hardware installers.
- Hardware location dimensions per Canadian Metric Guide for Steel Doors and Frames by Canadian Steel Door and Frame Manufacturer’s Association and as required by Code.
- All keys to be hand delivered directly to Owner’s Representative. No permanent keys are to be delivered to job site.

Execution

- Installation to be executed under Section 06200, except as specified.

Section 08800 - GLASS & GLAZING

General

- Provide glass and glazing as shown on Drawings and specified herein.
- Submittals: Submit manufacturer product data for glass and glazing materials. Submit manufacturer warranty against failure of seal in insulating glass units.

Products

- Float glass: to CAN2-12.3-M glazing quality of 6mm thickness.
- Wired glass: to CAN2-12.11-M, wire mesh style Georgian Wired, of 6mm thickness.
- Tempered safety glass: to CAN2-12.1M, Type 1, Class A of 6mm thickness.
- Accessories: Furnish glazing gaskets, glazing tapes, setting and spacer blocks and sealant as required by the Work.
- Insulating glass units performance: U-Value metric 1.5 w/m²C; U-Value Imperial Winter Night-time 0.28, Summer Day-time 0.26; visible light transmittance 64%.

Execution

- Install glass and glazing per FGMA Glazing Manual and IGMA for glazing installation methods. Clean glass per manufacturer directions.

SECTION 088813 – FIRE-RATED GLASS – FIRELITE PLUS

General

- Provide Fire-Rated glazing materials as windows in fire-rated frames as shown on Drawings and specified herein.
- Submittals: Provide manufacturer’s technical data for each glazing material required, including installation and maintenance instructions.
- Provide certificates of compliance from glass and glazing materials manufacturers attesting that glass and glazing materials furnished for project comply with requirements. Separate certification will not be required for glazing materials bearing manufacturer’s permanent label designating type and thickness of glass, provided labels represent a quality control program involving a recognized certification agency or independent testing laboratory acceptable to authority having jurisdiction.
- Submit approx. 8-inch by 10-inch sample for each type of glass indicated.

Products

- Glass:
 - 5/16 inch (8mm) overall.
 - Fire Rating – 45 minutes.
 - Impact resistance to ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)
 - Surface Finish: Standard Grade
- Permanently label each piece of FireLite Plus with the FireLite Plus logo, UL logo and fire rating.
- Fire Rating: Fire rating classified and labeled by ULC for fire rating scheduled at opening locations on drawings, when tested in accordance with ULC Standards CAN4 S-104 and CAN4 S-106.
- Glazing tape, compound, sealants, setting blocks and other accessories to be provided in accordance with manufacturer’s recommendations.

Execution

- Ensure conditions for glazing installation are correct and satisfactory.
- Comply with referenced FGMA standards and instructions of manufacturers of glass, glazing sealants, and glazing compounds.
- Protect glass from edge damage during handling and installation. Inspect glass during installation and discard pieces with edge damage that could affect glass performance.
- Install so that appropriated ULC FireLite Plus markings remain permanently visible.
- Wash glass on both faces not more than four days prior to date schedule for inspections intended to establish date of substantial completion. Wash glass by method recommended by glass manufacturer.



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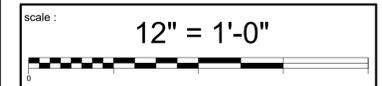
All measurements must be checked on the work by the Contractor.
 Do not scale the drawing.
 Do not use this drawing for construction until sealed and signed by the Architect.
 Signing Architect has exercised responsible control with respect to design activities.



**ARTHUR ARENA
 INTERIOR RENOVATIONS**
 158 DOMVILLE ST.
 ARTHUR, ONTARIO

SPECIFICATIONS

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detail : a - Detail number a
 b - Location drawing b

drawn : PM check : PM

date : 07/08/24 sheet :

job : 2160.00 **A0.4**

DIVISION 9 - FINISHES

Section 09100 - METAL SUPPORT SYSTEMS

General

- 1. Provide metal support systems for ceilings, partitions, facings, bulkheads, soffits, etc. as shown on Drawings and specified herein.
2. Submittals: Submit shop drawings, manufacturer product data, standard details and installation instructions. Shop drawings to be signed and sealed by a qualified Professional Engineer registered in Ontario.
3. References:
1. ASTM C635, Standard Specifications for Metal Suspension Systems.
2. ASTM C636, Recommended Practice for Installation of Metal Suspension Systems.
3. Ceiling & Interior Systems Construction Association (CISCA) - Ceiling Systems Installation Handbook.
4. ASTM C645, Standard Specification for Non-Load Bearing (Axial) Steel Studs, Runners, (Track), and Rigid Furring Channels for Screw Application of Gypsum Board.
5. ASTM C754, Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Product.
6. ASTM E119, Standard Test Methods for Fire Tests of Building Construction and Materials.
7. Underwriters Laboratories Inc. (UL) Fire Resistance Directory.
4. Store and handle products and provide environmental conditions as recommended by manufacturer.

Products

- 1. Suspended ceiling system for gypsum board: Furnish 37mm (1 1/2") cold-rolled steel carrying channels, metal furring channels and hangers.
2. Metal Furring Channels: 22mm (7/8") winged flange type, cold rolled galvanized steel hat channels for screw-on gypsum board.
3. Metal Resilient Channels: 12.7mm (1/2"), cold rolled galvanized steel for screw-on gypsum board.
4. Hangers: 5mm (3/16") diameter pencil rods of galvanized steel to CSA A82.30-M.
5. Tie Wire: minimum No. 18 gauge galvanized wire to CSA A 82.30-A.
6. Hanger Anchors: Appropriate for construction assembly.
7. Interior non-load bearing channel stud framing: to ASTM C645 of sizes as shown, of roll formed electrogalvanized steel, for screw attachment of gypsum board. Knockout service holes at 46mm centers.
8. Floor and ceiling track: to ASTM C645 in widths to suit stud sizes.
9. Screws: per ASTM C754.
10. Concrete anchors: per ASTM C754.

Execution

- 1. Install ceiling suspension system per ASTM C635, ASTM C636, CISCA installation standards, shop drawings and manufacturer installation instructions.
2. Install steel stud partitions, furring channel between studs for attachment of fixtures, electrical boxes, etc. per ASTM C645, shop drawings and manufacturer installation instructions.

Section 09250 - GYPSUM BOARD ASSEMBLIES

General

- 1. Provide gypsum board work including ceilings, partitions, bulkheads, soffits, shaft-wall system, etc. as shown on Drawings and specified herein.
2. Submittals: Submit manufacturer product data, standard details and installation instructions.
3. References:
1. Levels of Gypsum Board Finish by the Association of the Wall and Ceiling Industry (AWCI).
2. CGC, Installation & Finish of Gypsum Panels, document GA216.
3. ASTM C36/C36M, Specification for Gypsum Board Wallboard.
4. ASTM C475/C475M, Specification for Joint Compound and Joint Tape for Finishing Gypsum Board.
5. ASTM C840, Specification for Application and Finishing of Gypsum Board.
6. ASTM C1002-04, Specifications for Steel Self-Piercing Tapping Screws for the Application of Gypsum Board Panel Products.
7. ASTM C1047, Specifications for Accessories for Gypsum Wallboard.
8. CAN/CGSB-51.34-M, Vapour Barrier, Polyethylene Sheet for Use in Building Construction.
9. CSA A82.31M Gypsum Board Application.
10. CGSB 19-GP-14M Sealing Compound, One Component, Butyl-Polysisobutylene Polymer Base, Solvent Curing.
4. Store and handle products and provide environmental condition as recommended by manufacturer.

Products

- 1. Gypsum board: to ASTM C36/C36M regular and Type X of thicknesses shown, 48" wide x maximum practical length.
2. Screws: to ASTM C1002.
3. Laminating compound: "Green Glue" by Green Building Supply, or other approved.
4. Shaft Wall System: CGC "Sheetrock Shaft Wall System" as shown, per ULC certified assembly.
5. Accessories:
1. Joint reinforcement tape and joint compound: to ASTM C475/C475M.
2. Casing beads, corner bead, fill-type: to ASTM C1047, galvanized.
3. Zinc control joint No. 093 by US Gypsum or equal.
4. Acoustic sealant: to CGSB 19-GP-14M.
5. Polyethylene film: to CAN/CGSB-51.34-M.
6. Insulation strip: Rubberized, moisture resistant, 3mm thick.
7. Attic access hatch: Nystrom "IUA Series" fire-rated with gasketing and paint finish.
8. Shaft wall access door: Fire-rated insulated metal as shown.

Execution

- 1. Do application and finishing of gypsum board per CSA A 82.31M, ASTM C840 and manufacturer's specifications.
2. Finish gypsum board to Level 4 finish, except ceilings and bulkheads, per AWCI "Levels of Gypsum Board Finish".
3. Finish gypsum board ceilings and bulkheads to Level 5 per AWCI "Level of Gypsum Board Finish".

Section 09511 - ACOUSTIC LAY-IN CEILINGS

General

- 1. Provide suspended acoustic tile ceiling system as shown on Drawings and specified.
2. Replace ceiling grid; reuse existing hangers as applicable.
3. Design criteria for suspension system: Maximum deflection 1/360th of span to ASTM C635 deflection test.
4. Submittals: Submit manufacturer's product data, duplicate samples of acoustic tile units and 600mm (24") long samples of tee grid.
5. Maintenance Materials: Submit two cartons of acoustic tile units, from same production run as installed units.

Products

- 1. Acoustic Tile:
1. Furnish CertainTeed Architectural Acoustical Ceiling Panel "Symphony m", 2' x 4', square edge, white colour, in new exposed tee grid in areas indicated ACT-1.
2. Furnish CertainTeed Architectural Acoustical Ceiling Panel "Symphony m", 2' x 4', square edge, white colour, in existing exposed tee grid in areas indicated ACT-3.
3. Furnish CertainTeed Architectural Acoustical Ceiling Panel "Symphony m RX", 2' x 4', square edge, white colour, in existing exposed tee grid in areas indicated ACT-2.
2. Suspended System: Donn DX, 24mm (or equivalent by Armstrong) intermediate duty, white, two-directional exposed tee bar grid.
3. Hangar Wire: galvanized soft annealed steel wire, 2.6mm diameter.
4. Hangar Inserts: as appropriate to substrates and structures hung from.
5. Accessories: wall moulding, retainers, clips, splices, etc.

Execution

- 1. Install suspension system to ASTM C636 and per manufacturer's specifications.
2. Install acoustic tile units per manufacturer specifications and as shown on Drawings.

DIVISION 9 - FINISHES

Section 09660 - RESILIENT FLOORING

General

- 1. Provide resilient flooring, base and accessories as shown on Drawings and specified herein.
2. Submittals: Submit manufacturer's product data for each product as specified. Submit duplicate samples of each product specified. Submit manufacturers maintenance data.
3. Environmental Requirements: Provide such per manufacturer specifications.
4. Maintenance Materials: Provide extra flooring materials of each type specified for Owner's maintenance purposes.

Products

- 1. Sheet Vinyl:
1. TYPE SV: Forbo Eternal Safety Sheet flooring 172812 GREY LAVENDER
2. TYPE RT-1: Forbo Marmoleum Modular Tile 19.69"x 9.84" t3053 DOVE BLUE, ashlar pattern.
3. TYPE RT-2: Forbo Marmoleum Modular Tile 19.69"x19.69" i3718 PLUTO.
4. TYPE RT-3: Forbo Marmoleum Solid Walton 3358 PETROL
5. TYPE RT-4: Forbo Marmoleum Solid Walton 3369 TITANIUM
2. Furnish Forbo "T940" adhesive.
3. Resilient Base: 4" high resilient cove profile.
1. Forbo Wall Base: C40 SAND GRANITE
4. Divider Strips: Furnish Schluter transition strips.
5. Sub-Floor Filler and Leveller: as recommended by flooring manufacturer.
6. Moisture Control: Refer to Sections 01400 and 03343.

Execution

- 1. Install products per manufacturer specifications. Clean resilient flooring per manufacturer specifications.

Section 09900 - PAINTING

General

- 1. Provide painting as shown on Drawings and specified herein.
2. Submittals: Submit manufacturer's product data for each paint coating as specified. After selection of colours by Architect or Owner, submit 150mm x 200mm (6" x 8") sample drawdown of each finish colour and sheen for review. Submit two samples of wood stain with clear coat finish.
3. Environmental Requirements: Comply with humidity an ambient temperature requirements as specified by paint manufacturer.

Products

- 1. Qualified Products: only paint materials listed on the CGSB Qualified Products List are acceptable for use on this project. Formulas specified herein are based on Benjamin Moore numbers; equivalent paints by ICI, Glidden, Colour Your World, Sico, Pratt & Lambert or other quality product manufacturer is acceptable.
2. Paint materials for each coating system to be products of a single manufacturer as possible.

Execution

- 1. Preparation of Surfaces: to paint manufacturer's published recommendations.
2. Application: Sand and dust between coats. Finish faces, bottoms, edges, tops and cutouts of doors after fitting. Comply with manufacturer's product data and application specifications.
3. Mechanical and Electrical: Paint exposed conduits, pipes, hangers and other mechanical and electrical equipment exposed in finish painted areas.
4. Exterior Paint Systems:
1. System No. 1E: Galvanized metal:
1. Clean wipe with recommended solvent.
2. One coat latex Fresh Start Primer K046.
3. Two coats acrylic exterior Soft Gloss K543.
2. System No. 2E: Wood and high density polyurethane foam:
1. One coat latex Fresh Start Primer K046.
2. Two coats acrylic exterior Soft Gloss K543.
3. System No. 3E: Wood to receive stain and clear coat:
1. Transparent stain K637.
2. Two coats Arborcoat K636.
5. Interior Paint Systems:
1. System No. 1: Masonry block:
1. One coat latex block filler Super Spec K160.
2. Two coats EcoSpec WB F375 Pearl.
2. System No. 2: Gypsum board walls:
1. One coat latex primer sealer K253.
2. Two coats acrylic latex EcoSpec WB F375 Pearl.
3. System No. 3: Gypsum board ceilings:
1. One coat latex primer sealer K253.
2. Two coats acrylic latex EcoSpec WB F374 Eggshell.
4. System No. 4: Hollow metal doors and frames:
1. Clean wipe with solvent.
2. One coat acrylic primer KP04.
3. Two coats acrylic latex EcoSpec WB F376 Semi Gloss.
5. System No. 5: Ferrous miscellaneous metal:
1. One coat acrylic primer KP04.
2. Two coats acrylic latex EcoSpec WB F376 Semi Gloss.

SECTION 10 - SPECIALTIES

Section 10800 - WASHROOM ACCESSORIES

General

- 1. Provide washroom accessories as shown and specified on drawings.
2. Provide wood backing in wall to support all wall-hung fixtures.

Products

- 1. Universal Washroom Toilet Tissue Dispenser: Frost Surface Mounted Single Toilet Paper Holder, Product Code "1135-S", Single roll unit, Type 304 stainless steel, brushed finish, with concealed mounting. Roller shall hold and dispense all standard core roll tissue up to 5" diameter.
2. "L" Grab Bar: Frost Stainless Steel 1-1/2" Diameter Grab Bars, Product Code "1003-NP30X30", 18 gauge stainless steel, 1-1/2" O.D. (outside diameter), brushed finish with peened grip, provided with 12 gauge stainless steel snap flange with concealed mounting, bead weld to stainless steel tubing.
3. 24" Grab Bar: Frost Stainless Steel 1-1/2" Diameter Grab Bars, Product Code "1003-NP24", 18 gauge stainless steel, 1-1/2" diameter, brushed finish with peened grip, provided with 12 gauge stainless steel snap flange with concealed mounting, bead weld to stainless steel tubing.
4. 36" Grab Bar: Frost Stainless Steel 1-1/2" Diameter Grab Bars, Product Code "1003-NP36", 18 gauge stainless steel, 1-1/2" diameter, brushed finish with Peened grip, provided with 12 gauge stainless steel snap flange with concealed mounting, bead weld to stainless steel tubing.
5. Feminine Napkin Disposal Bin: Frost, Product Code "622" welded, 22 gauge stainless steel, brushed finish, continuous hinged door, etched with "napkin disposal", surface mounted.
6. Wall-Mounted Waste Receptacle: Frost Wall Mounted Waste Receptacle with Galvanized Liner, Product Code "303-3", Body: 22 gauge stainless steel, Type 304 no. 4, brushed finish, Lid: 20 gauge stainless steel, Type 304 no. 4, brushed finish, 33" high.
7. Mirror: Frameless Bevel Mirror, Product Code "6271167", dimensions per drawings.
8. Safety Coat Hook: Frost Steel Safety Coat Hook, Product Code "1150-Black", Body: 18 gauge stainless steel, Type 304, brushed finish, Hook: 18 gauge steel, black powder coat finish.

Execution

- 1. Install in-wall backing and anchors to stud framing prior to installation of gypsum board.
2. Use tamper-proof screws/bolts for fasteners.

Section 10400 - INTERIOR SIGNAGE

General

- 1. Signage to be provided per Building Code Requirements.
2. Room Signage style, wording and numbering to be confirmed with Owner.

Products

- 1. Updated Fire Exit Plan: Signage locations to be confirmed by Authority Having Jurisdiction, size to suit plan graphic.
2. Service / Utility Rooms: 8" x 8" signage.
3. Washrooms: International Male / Female / Accessible signage, include tactile / Braille. Size 8" x 8".

Section 15000 - MECHANIAL

Division 15 Cash Allowance: \$5,000.00

1.

- Provision of air balance for HVAC systems per Mechanical Specification. Only the following NEBB (National Environmental Balancing Bureau) TAB contractors may quote:

- a. Airwaso Canada Inc., London, Ontario, Tel: 519-652-4040
b. Air Adjustments & Balancing Inc., Schomberg, Ontario, Tel: 416-254-3004
c. Air Audit Inc., Cambridge, Ontario, Tel: 519-740-0871
d. Air Velocities Control Ltd., Mississauga, Ontario, Tel: 905-279-4433
e. C. J. Zettler & Associates Ltd., London, Ontario, Tel: 519-652-8880
f. Design Test & Balance, Richmond Hill, Ontario, Tel: 905-886-6513
g. Dynamic Flow Balancing Ltd., Oakville, Ontario, Tel: 905-338-0808
h. Flowset Balancing Ltd., Oakville, Ontario, Tel: 416-410-9793



51 Kingston Street T 519 524 5313
Goderich, ON N7A 3K3
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Table with 3 columns: Rev No., DATE, REMARKS. Row 1: 1, 20AUG2024, ADDENDUM #3. Row 2: 17JUL2024, ISSUED FOR TENDER & PERMIT.

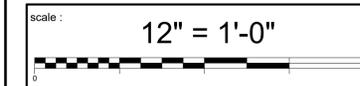
ISSUED FOR
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ARTHUR ARENA
INTERIOR RENOVATIONS
158 DOMVILLE ST.
ARTHUR, ONTARIO

SPECIFICATIONS

TENDER & PERMIT



detail: a - Detail number, b - Location drawing

drawn: PM, check: PM

date: 07/08/24, sheet: A0.5

job: 2160.00



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UNIVERSAL BARRIER-FREE WASHROOM GENERAL NOTES:
THE UNIVERSAL BARRIER-FREE WASHROOM MUST HAVE THE FOLLOWING:

1. A DOOR THAT IS CAPABLE OF BEING LOCKED FROM THE INSIDE AND RELEASED FROM THE OUTSIDE IN CASE OF EMERGENCY THAT HAS A GRASPABLE STOREROOM FUNCTION LATCH-OPERATING MECHANISM LOCATED BETWEEN 2' - 11 3/8" (900mm) AND 3' - 3 3/8" (1000mm) FROM FINISHED FLOOR.
2. DOOR FRAME TO INCORPORATE ELECTRIC STRIKE CONTROLLED BY POWER DOOR OPERATOR CONTROL SYSTEM.
3. A DOOR EQUIPPED WITH A POWER DOOR OPERATOR WITH A SELF-CLOSING DEVICE WHICH INCORPORATES EXTERIOR LIGHTED ACTUATOR BUTTON, INTERIOR LIGHTED ACTUATOR BUTTON, INTERIOR LOCKING BUTTON AND RELATED CONTROLS. OPERATION OF INTERIOR LOCKING BUTTON WILL DISABLE EXTERIOR ACTUATOR, TURN LIGHTED BUTTONS FROM GREEN TO RED. OPERATION OF INTERIOR ACTUATOR WILL RELEASE DOOR STRIKE (UNLOCKING DOOR), TURN LIGHTED BUTTONS RED TO GREEN AND ENGAGE THE OPERATOR. POWER DOOR OPERATOR AND LOCKING DEVICE TO BE INSTALLED BETWEEN 2' - 11 3/8" (900mm) AND 3' - 3 3/8" (1000mm) FROM FINISHED FLOOR.
4. LIGHTING CONTROLLED BY A MOTION SENSOR.
5. AN EMERGENCY CALL SYSTEM THAT CONSISTS OF AUDIBLE AND VISUAL SIGNAL DEVICES INSIDE AND OUTSIDE OF THE WASHROOM THAT ARE ACTIVATED BY A CONTROL DEVICE INSIDE THE WASHROOM. REFER TO 7/A2.0 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

Rev No.	DATE	REMARKS
1	20AUG2024	ADDENDUM #3
	17JUL2024	ISSUED FOR TENDER & PERMIT

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**ARTHUR ARENA
INTERIOR RENOVATIONS**
158 DOMVILLE ST.
ARTHUR, ONTARIO

FLOOR PLAN

TENDER & PERMIT

scale: **As indicated**

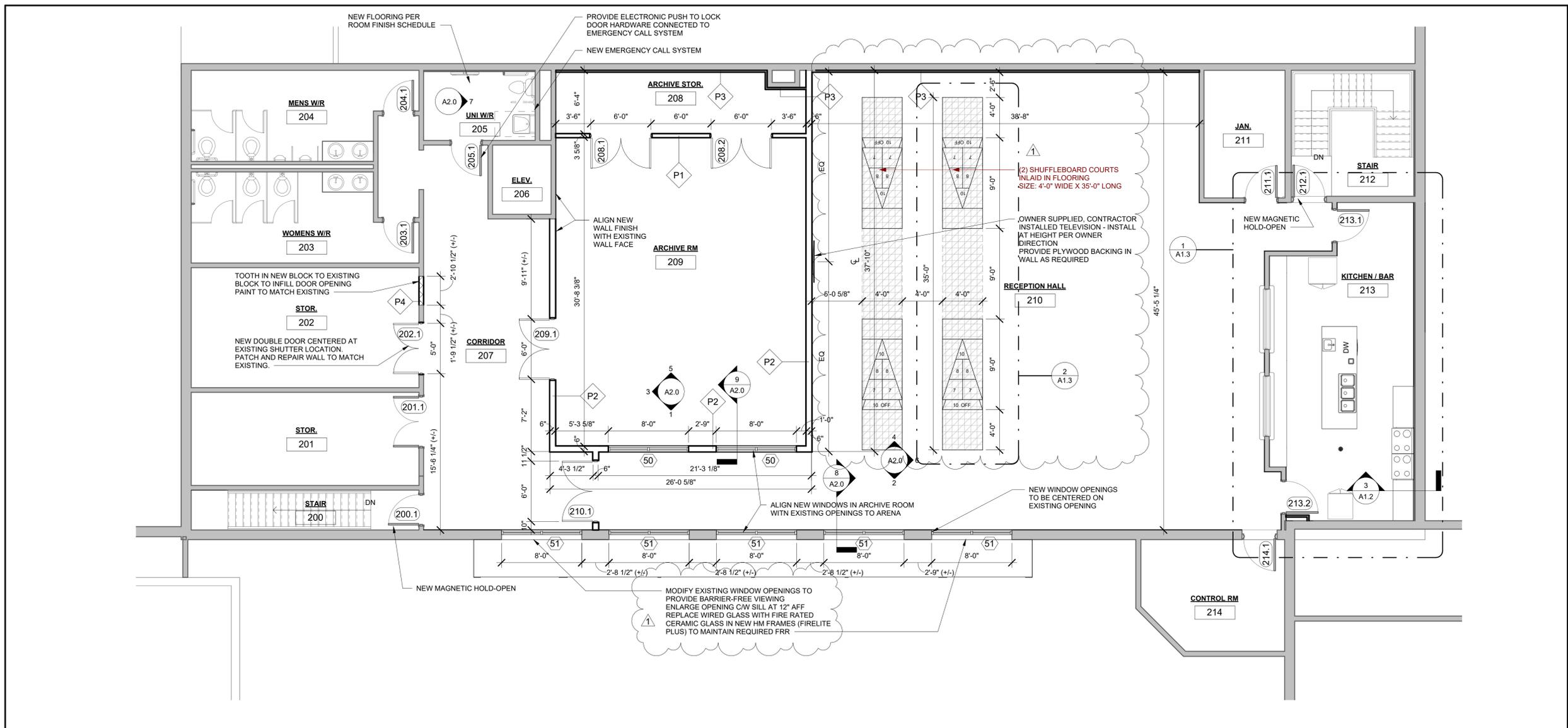
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drawn: NR, check: PM

date: 04/29/24, sheet: A1.1

job: 2160.00

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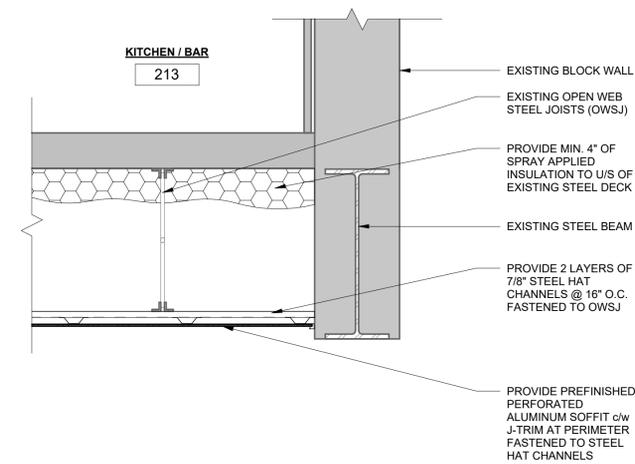


1 SECOND FLOOR PLAN
SCALE: 3/16" = 1'-0"

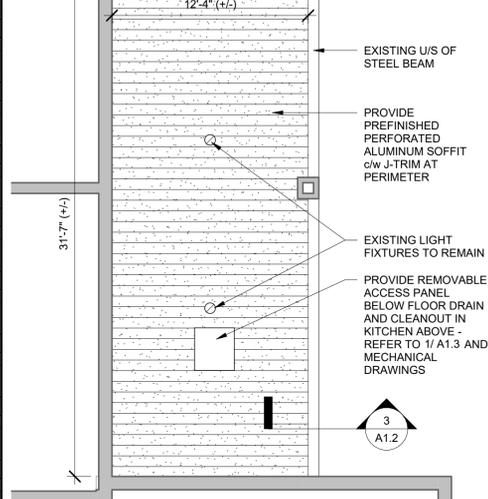
REFLECTED CEILING PLAN (RCP) LEGEND

- 2x4' ACT TILES
- CEILING TYPES:**
- ACT-1: PROVIDE FOR NEW T-BAR GRID STRUCTURE AND NEW CEILING TILES.
 - ACT-2: PROVIDE NEW, WASHABLE CEILING TILES SUITABLE FOR FOOD PREPARATION AREAS. CLEAN EXISTING T-BAR GRID STRUCTURE TO REMAIN.
 - ACT-3: PROVIDE NEW CEILING TILES. CLEAN EXISTING T-BAR GRID STRUCTURE TO REMAIN.
- ☐ LIGHT FIXTURE
- ⊗ ⊗ DIFFUSER
- ▨ RETURN AIR GRILLE
- △ S SPEAKER - EXISTING SPEAKERS TO BE RELOCATED - REFER ALSO TO ELECTRICAL DRAWINGS
- MECHANICAL AND ELECTRICAL COMPONENTS SHOWN FOR COORDINATION IN CEILINGS ONLY - REFER TO MECHANICAL AND ELECTRICAL DRAWINGS

3 SOFFIT SECTION DETAIL
SCALE: 1" = 1'-0"



2 REFLECTED CEILING PLAN OF ENTRANCE BELOW KITCHEN 213
SCALE: 3/16" = 1'-0"



Rev No.	DATE	REMARKS
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	17JUL2024	ISSUED FOR TENDER & PERMIT

ISSUED FOR

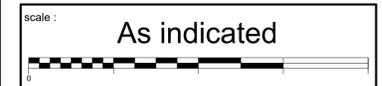
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**ARTHUR ARENA
INTERIOR RENOVATIONS**
158 DOMVILLE ST.
ARTHUR, ONTARIO

**REFLECTED CEILING
PLAN**

TENDER & PERMIT



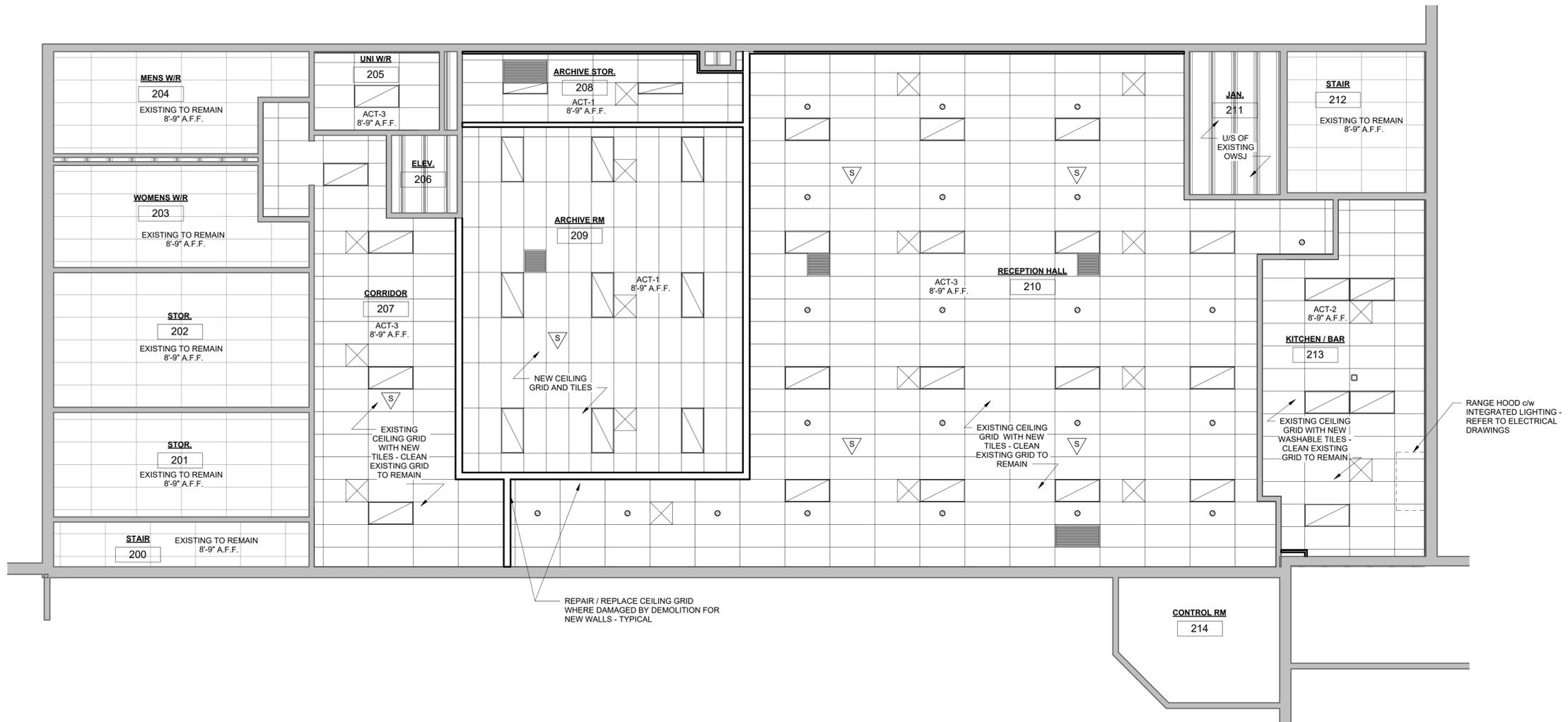
detail : a - Detail number, b - Location drawing

drawn : NR, check : PM

date : 04/30/24, sheet : A1.2

job : 2160.00

1 SECOND FLOOR
SCALE: 3/16" = 1'-0"

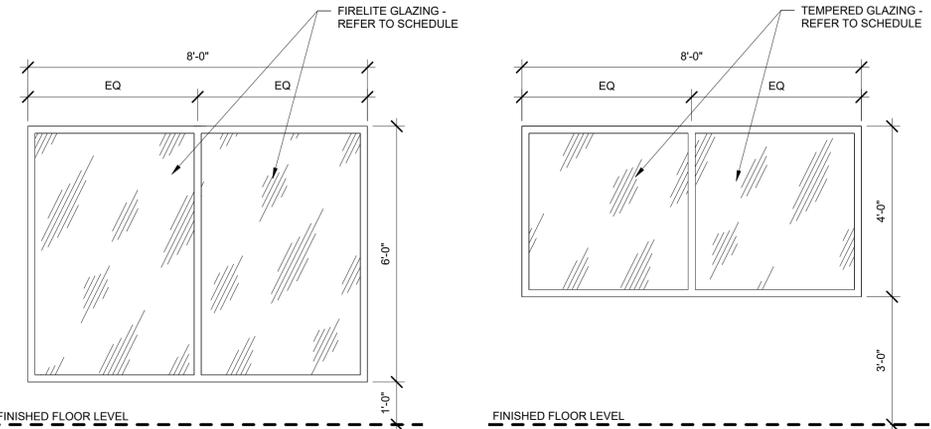


APPLIANCE & FIXTURE SCHEDULE

TAG	TYPE	MANUF	MODEL	FINISH	COMMENTS
1	SINK	FRANKE	LBT6410PCB-1 Triple topmount, 18 ga	STAINLESS	TRIPLE BOWL DROP-IN SINK
2	FAUCET	T & S	B-1123-WH4	CHROME	8" DECK MOUNT WORKBOARD FAUCET, 12" SWING, WRIST PADDLES
3	RANGE	WHIRLPOOL	YWFC315S0JS	STAINLESS	ELECTRIC COIL TOP RANGE (TOTAL QTY = 2)
4	RANGE HOOD	HALTON	EO	STAINLESS	COMMERCIAL RANGE HOOD C/W LIGHTS AND GREASE FILTER
5	DISHWASHER	HOBART	CUH	STAINLESS	UNDERCOUNTER, HIGH TEMPERATURE RINSE
6	HANDWASH SINK	NOVANNI COMMERCIAL	1001	STAINLESS	SINGLE DROP-IN HANDWASH SINK
7	FAUCET	MOEN COMMERCIAL	8701	CHROME	OR EQUIV. REFER TO MECHANICAL

WINDOW SCHEDULE

No.	FIRE RATING	ELEVATION	WINDOW		GLAZING		FRAME				REMARKS
			STYLE	THICKNESS	TYPE	PANES	WIDTH	HEIGHT	MATERIAL	FINISH	
50	-	B	FIXED	1/4"	TEMP	SINGLE	8'-0"	4'-0"	HM	PTD	
50	-	B	FIXED	1/4"	TEMP	SINGLE	8'-0"	4'-0"	HM	PTD	
51	1 HR	A	FIXED	5/16"	FIRE	SINGLE	8'-0"	6'-0"	HM	PTD	
51	1 HR	A	FIXED	5/16"	FIRE	SINGLE	8'-0"	6'-0"	HM	PTD	
51	1 HR	A	FIXED	5/16"	FIRE	SINGLE	8'-0"	6'-0"	HM	PTD	
51	1 HR	A	FIXED	5/16"	FIRE	SINGLE	8'-0"	6'-0"	HM	PTD	
51	1 HR	A	FIXED	5/16"	FIRE	SINGLE	8'-0"	6'-0"	HM	PTD	

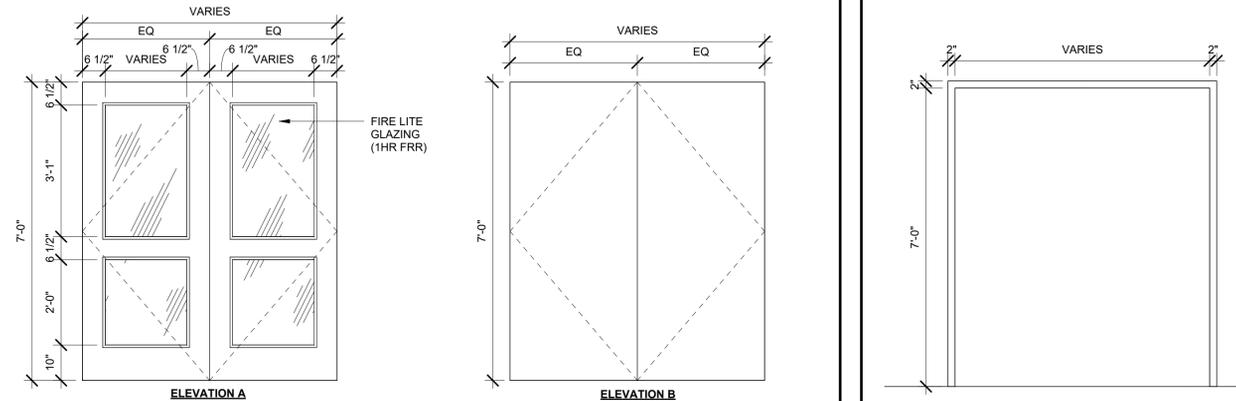


4 WINDOW ELEVATIONS
SCALE: 1/2" = 1'-0"

DOOR SCHEDULE

NO.	DOOR			THICKNESS	FIRE RATING (HR)	HARDWARE										FRAME		REMARKS									
	NEW DOOR	EXISTING DOOR	ELEVATION			GLAZING	ELECTRIC STRIKE	POWER OPERATOR	CLOSER	COORDINATOR	FLUSH BOLT	LOUVRE	LATCH DEVICE	EXIT DEVICE	KICKPLATES	WEATHERSTRIP	SOUND SEALS		SIGNAGE	NEW FRAME	EXISTING FRAME						
200.1	•	EX	EX HM	PTD	1 3/4"	45 MIN														EX	EX	3'-0"	7'-0"	EX HM	PTD		
201.1	•	EX	EX HM	PTD	1 3/4"	45 MIN															EX	EX	5'-0"	7'-0"	EX HM	PTD	
202.1	•	B	HM	PTD	1 3/4"	45 MIN															TYPE 1	No. 1	5'-0"	7'-0"	HM	PTD	
203.1	•	EX	EX HM	PTD	1 3/4"	45 MIN															EX	EX	3'-0"	7'-0"	EX HM	PTD	
204.1	•	EX	EX HM	PTD	1 3/4"	45 MIN															EX	EX	3'-0"	7'-0"	EX HM	PTD	
205.1	•	EX	EX HM	PTD	1 3/4"	45 MIN															EX	EX	3'-0"	7'-0"	EX HM	PTD	NOTE 1
208.1	•	B	HM	PTD	1 3/4"																TYPE 1	No. 1	6'-0"	7'-0"	HM	PTD	
208.2	•	B	HM	PTD	1 3/4"																TYPE 1	No. 1	6'-0"	7'-0"	HM	PTD	
209.1	•	A	HM	PTD	1 3/4"	45 MIN															TYPE 1	No. 1	6'-0"	7'-0"	HM	PTD	
210.1	•	A	HM	PTD	1 3/4"	45 MIN															TYPE 1	No. 1	6'-0"	7'-0"	HM	PTD	
211.1	•	EX	EX HM	PTD	1 3/4"	0 HR															EX	EX	3'-2"	7'-0"	EX HM	PTD	
213.1	•	EX	EX HM	PTD	1 3/4"	45 MIN															EX	EX	3'-2"	7'-0"	EX HM	PTD	NEW LEVER HANDLES, MAINTAIN LOCKSET
213.2	•	EX	EX HM	PTD	1 3/4"																EX	EX	3'-2"	7'-0"	EX HM	PTD	NEW LEVER HANDLES, MAINTAIN LOCKSET
214.1	•	EX	EX HM	PTD	1 3/4"	45 MIN															EX	EX	3'-2"	7'-0"	EX HM	PTD	

NOTE 1: PROVIDE NEW ELECTRONIC PUSH TO LOCK DOOR HARDWARE INTERCONNECTED WITH NEW EMERGENCY CALL SYSTEM - REFER TO ELECTRICAL DRAWINGS



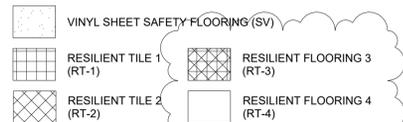
3 DOOR ELEVATIONS
SCALE: 1/2" = 1'-0"

2 FRAME ELEVATION
SCALE: 1/2" = 1'-0"

INTERIOR FINISH SCHEDULE

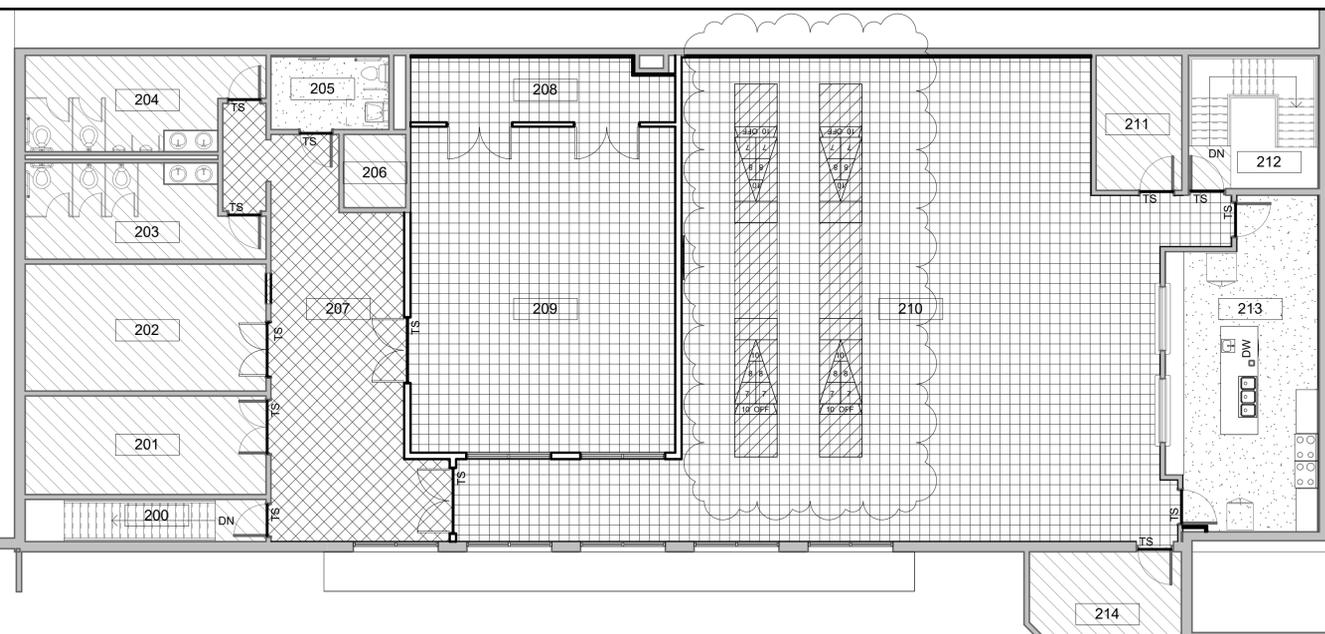
NO.	ROOM NAME	FLOOR	MATERIAL	BASE	WALLS				CEILING				REMARKS	
					NORTH	SOUTH	EAST	WEST	MATERIAL	FINISH	MATERIAL	FINISH		
200	STAIR	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	8'-0"	
201	STOR.	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	8'-0"	
202	STOR.	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	8'-0"	
203	WOMENS W/R	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	8'-0"	
204	MENS W/R	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	8'-0"	
205	UNI W/R	SF	4" COVE	EX GB	EX	EX CMU	EX	EX GB	EX	EX GB	EX	ACT-1	8'-0"	
206	ELEV.	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	8'-0"	
207	CORRIDOR	RT-2	4" RB	GB/ EX CMU	PTD	EX CMU	PTD	EX CMU	PTD	EX CMU	PTD	ACT-1	8'-0"	
208	ARCHIVE STOR.	RT-1	4" RB	GB	PTD	EX CMU	PTD	GB	PTD	ACT-1	8'-0"		PAINTE WHITE W/ EGGSHELL FINISH	
209	ARCHIVE RM	RT-1	4" RB	GB	PTD	GB/ EX CMU	PTD	GB	PTD	ACT-1	8'-0"		PAINTE WHITE W/ EGGSHELL FINISH	
210	RECEPTION HALL	RT-1, RT-3, RT-4	4" RB	EX CMU	PTD	GB/ EX CMU	PTD	GB/ EX CMU	PTD	ACT-1	8'-0"		MAIN FIELD RT-1, SHUFFLEBOARD COURT RT-3 AND RT-4	
211	JAN	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	8'-0"	
212	STAIR	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	8'-0"	
213	KITCHEN / BAR	SF	4" COVE	EX GB	PTD	EX CMU	PTD	EX GB	PTD	EX GB	PTD	ACT-2	8'-0"	
214	CONTROL RM	EX	EX	EX CMU	EX	EX	EX	EX	EX	EX	EX	EX	8'-0"	

FLOOR FINISH LEGEND



NOTE:

HATCHES ARE GRAPHIC REPRESENTATIONS OF THE EXTENT OF FLOORING ONLY AND ARE NOT A PATTERN OR LAYOUT. PATTERN WILL BE SELECTED BY CONSULTANT OR AS SHOWN ON ENLARGED PLANS.



1 SECOND FLOOR PLAN - CODE
SCALE: 1/8" = 1'-0"

Rev No.	DATE	ISSUED FOR TENDER & PERMIT	REMARKS
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ARTHUR ARENA
INTERIOR RENOVATIONS
158 DOMVILLE ST.
ARTHUR, ONTARIO

SCHEDULES

TENDER & PERMIT

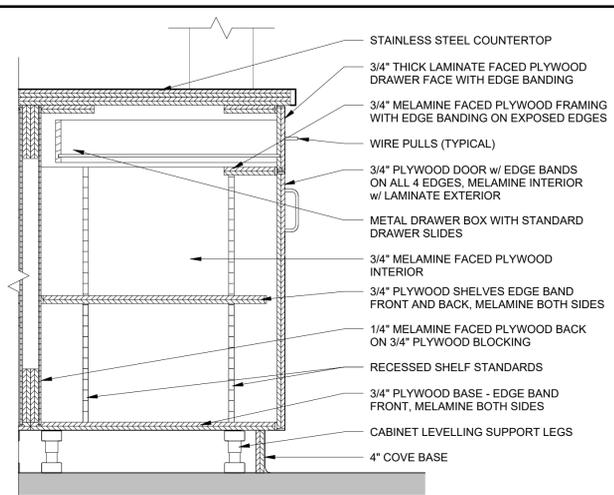
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drawn: NR, check: PM

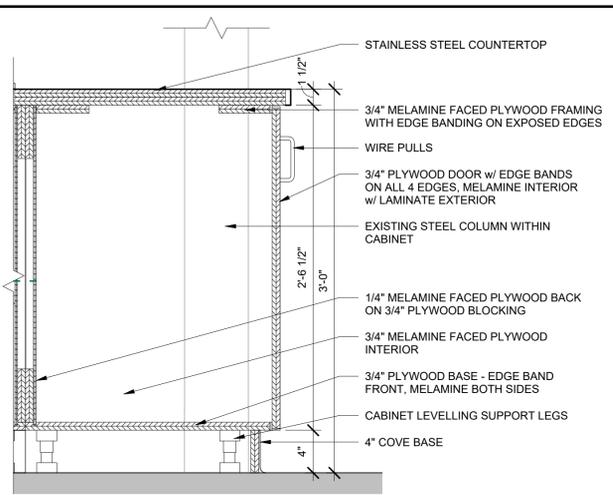
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job: 2160.00



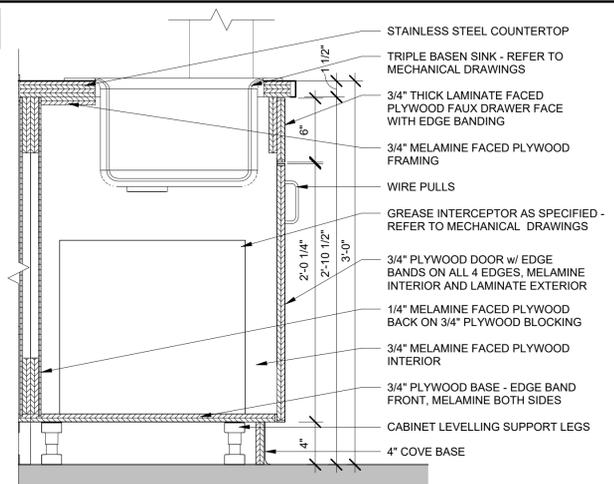
10 KITCHEN MILLWORK SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



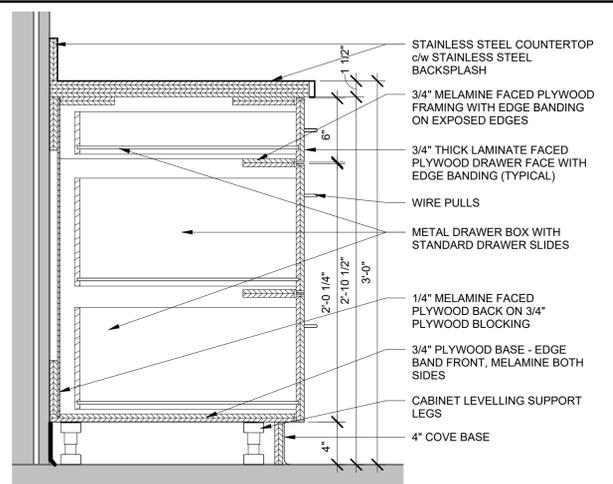
9 KITCHEN MILLWORK SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



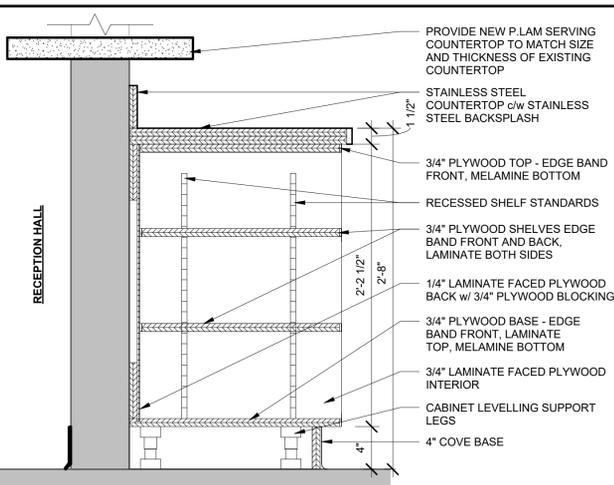
6 KITCHEN MILLWORK SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



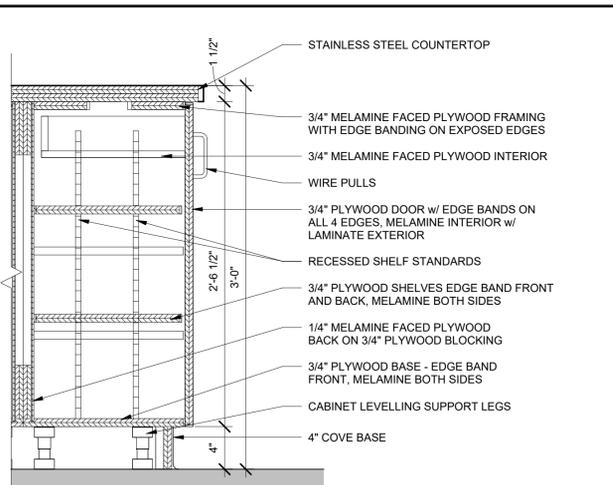
5 KITCHEN MILLWORK SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



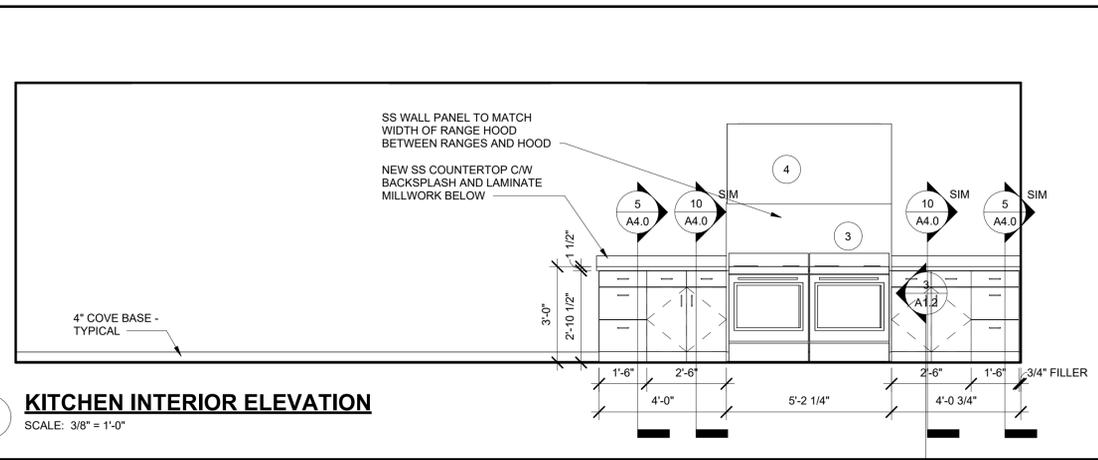
3 KITCHEN MILLWORK SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



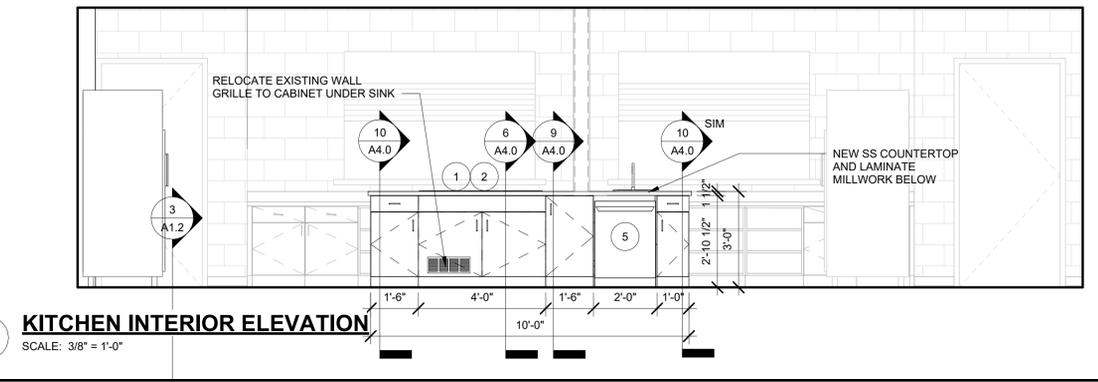
2 KITCHEN MILLWORK SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



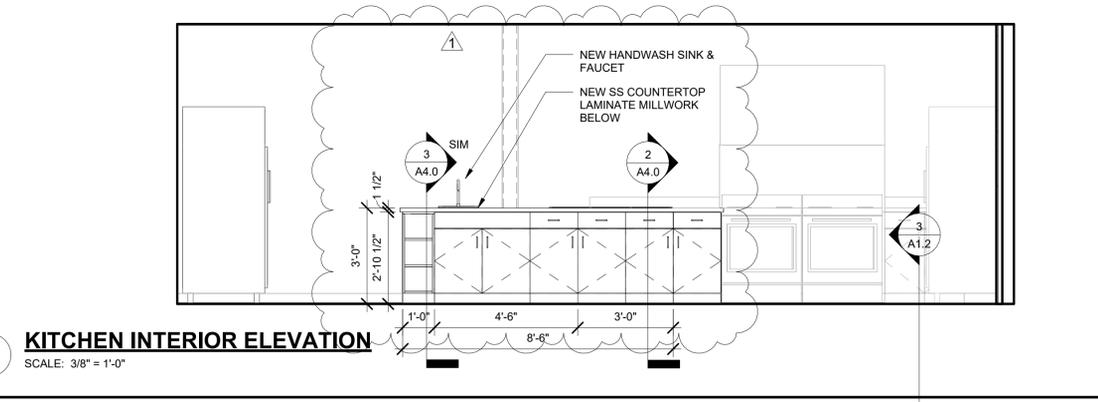
8 KITCHEN INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"



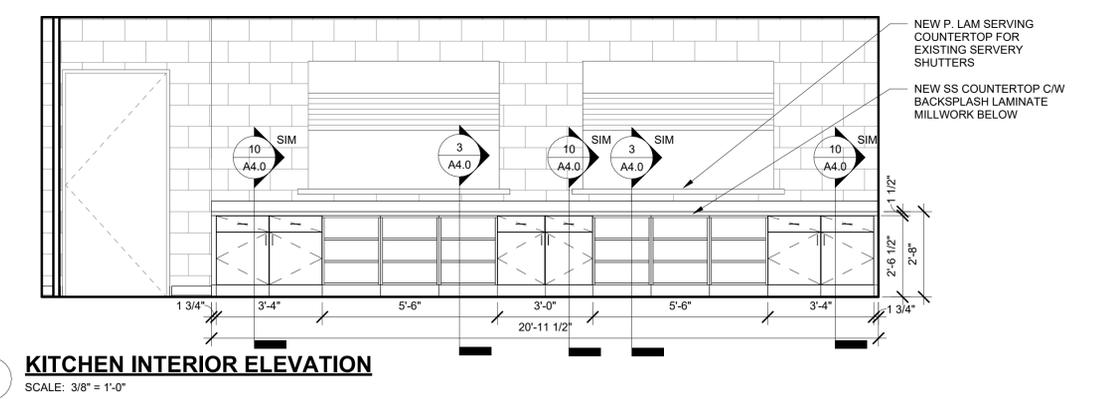
7 KITCHEN INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"



4 KITCHEN INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"



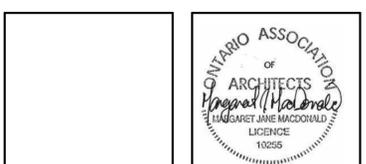
1 KITCHEN INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"

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	17JUL2024	ISSUED FOR TENDER & PERMIT	

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**ARTHUR ARENA
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MILLWORK

TENDER & PERMIT

scale: **As indicated**

detail: a - Detail number, b - Location drawing

drawn: PM/NR, check: PM

date: 04/30/24, sheet: A4.0

job: 2160.00