

Tuesday, August 13, 2024

PUBLIC WORKS ADDITION & RENOVATION
CONTRACT NO. ENG2024-11191

Addendum No. 2

The following addendum is to be read in conjunction with, and form an integral part of the tender and contract documents. Acknowledgement of receiving the addendum will be made on line in the appropriate area.

It is the responsibility of the Prime Contractor to ensure all parties submitting bids are aware of this addendum and its contents.

Question #1

Referencing detailed site plan from civil drawings: please confirm if the red dotted line is silt fence as per legend.

Answer #1

The red dotted line on drawing sheet P1 is the fire route. The red dotted line on drawing sheet ESC (Erosion & Sediment Control Plan) represents the silt fence. The fire route will be corrected in the IFC set.

Question#2

We could not find a RCP Demo Plan, can you confirm if there are any existing lights that need to be removed within the existing area?

Answer#2

Refer to drawing sheet ED.2 and key demolition note 1. All electrical equipment, lights, receptacles and devices, within indicated washrooms are to be removed to allow for demolition. Coordinate with appropriate sub-trades. Circuits to be determined on site'.

Question#3

We are running a 1" pipe from an existing IT room to the new one, please confirm how far away they are from one another/

Answer#3

Refer to question 13, and attached drawing sheets A1.3 showing the location of the new server room on the ground floor and drawing sheet D1.2 showing the location of the existing IT server room on the first floor.

Question#4

Could you please supply the specs for the 1-1/2” siding on the vestibule Wall G.

Answer#4

[Refer to attached specification 07465](#)

Question#5

We could not find a specified Window System for this project, please advise if there is one or if we can just price as per the drawing details?

Answer#5

[There is no specification for the window system, price as per the drawing details.](#)

Question#6

The drawings do not state a type of ceiling tile to be used in this project, please provide some clarification on this.

Answer#6

[See attached spec section 09510 Suspended Acoustic Ceilings](#)

Question#7

On drawing P2.1 there is a detail of a new concrete curb, can you identify the locations of the new curb clearly on the plan.

Answer#7

[Refer to drawing sheet P1, the section of new curb is east of the new retaining wall and is labelled on that sheet.](#)

Question#8

Referencing A1.2: There few wall tags are missing. Please mark them on the plan.

Answer#8

[Delete wall type J, this will be corrected on the IFC drawings. Wall type K is at column D.1/3.1 wall around RWL.](#)

Question#9

Referencing A1.1: Please help to find wall type L on the plan A1.2.

Answer#9

[Wall L is on A1.4 Window In-fill at ex. sitting area.](#)

Question#10

Please confirm the material for the washroom countertops (Washroom 113 and 114).

Answer#10

[See attached drawing sheet A5.1 section R](#)

Question#11

The DSS provided does not provide locations for asbestos-containing materials. Could we please get an updated DSS so that we can quantify the materials needing abatement?

Answer#11

No abatement is anticipated in the proposed work area.

Question#12

Is owner looking after updating the fire alarm and security or is that be in the General contractors price? If its part or General Contractor's scope can you list contact information for the person you deal with at Damar and Tapley Fire.

Answer#12

The owner is responsible for updating the fire alarm and security.

Question#13

answer #10 in addenda #1 notes This location can be confirmed at the bid meeting and location issued with Addenda #2 is there an addenda #2 issued? We do not see this on Bids and Tenders

Answer#13

The question was "Where is the Server or IDF room where the cables will start from?"

Refer to attached drawing sheets A1.3 showing the location of the new server room on the ground floor and drawing sheet D1.2 showing the location of the existing IT server room on the first floor.

Question#14

Please provide a specification for the floor finishes.

Answer#14

Refer to attached specification sections 09650 – Resilient Flooring and 09306 Floor Tile.

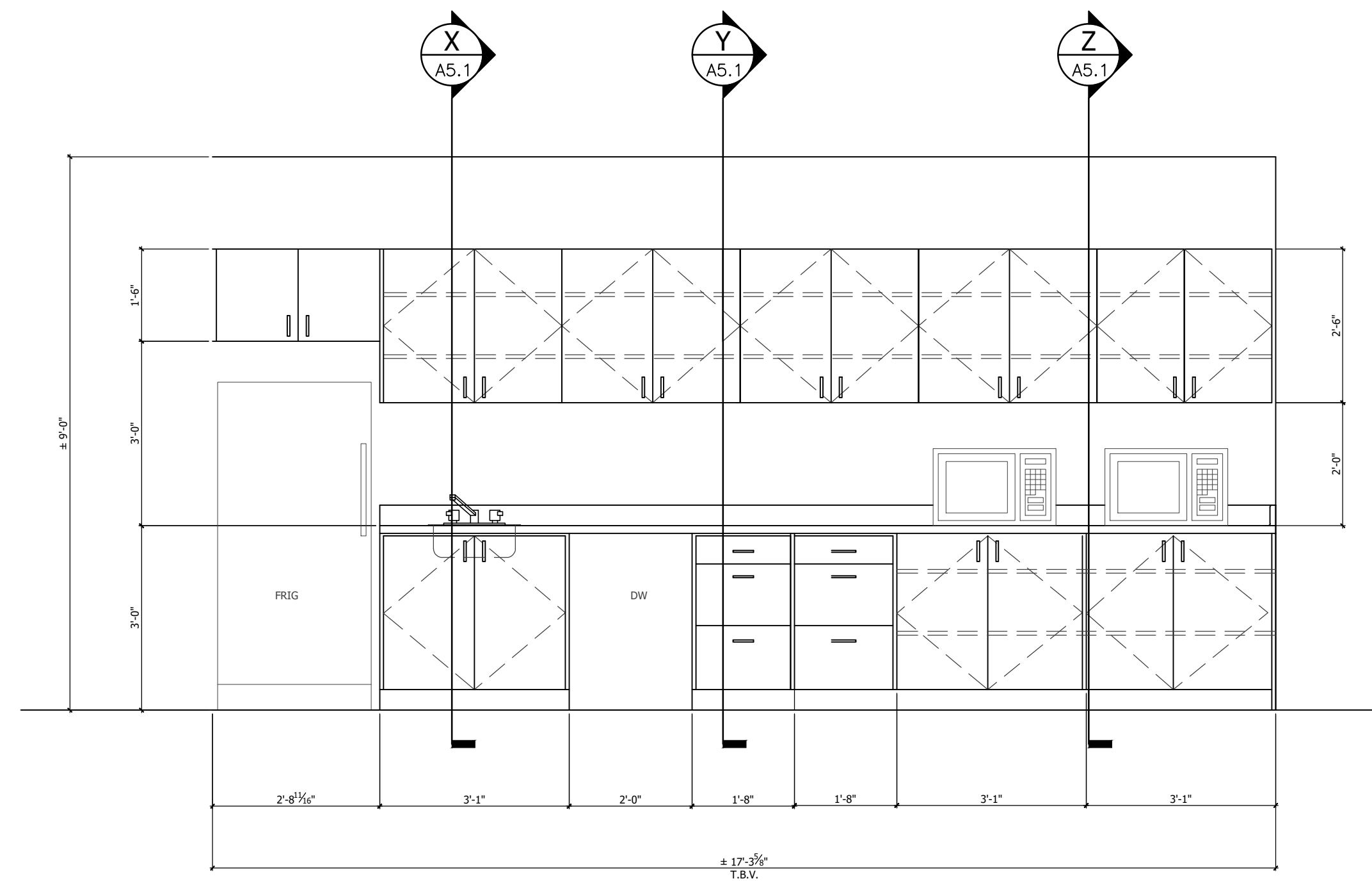
Attachments:

21367MAIN17-A5.1-Millwork Details
21367MAIN16_D1.2-First Floor Demolition Plan
21367MAIN16_A1.3-Ground Floor Proposed Furniture Plan
21367MAIN17 CODE MATRIX UPDATED
07465 - Preformed Metal Siding Specifications
09306 - Floor Tile Specifications
09510 - Suspended Acoustic Ceilings specifications
09650 - Resilient Flooring Specifications
21367MainM5_Sprinkler Layout

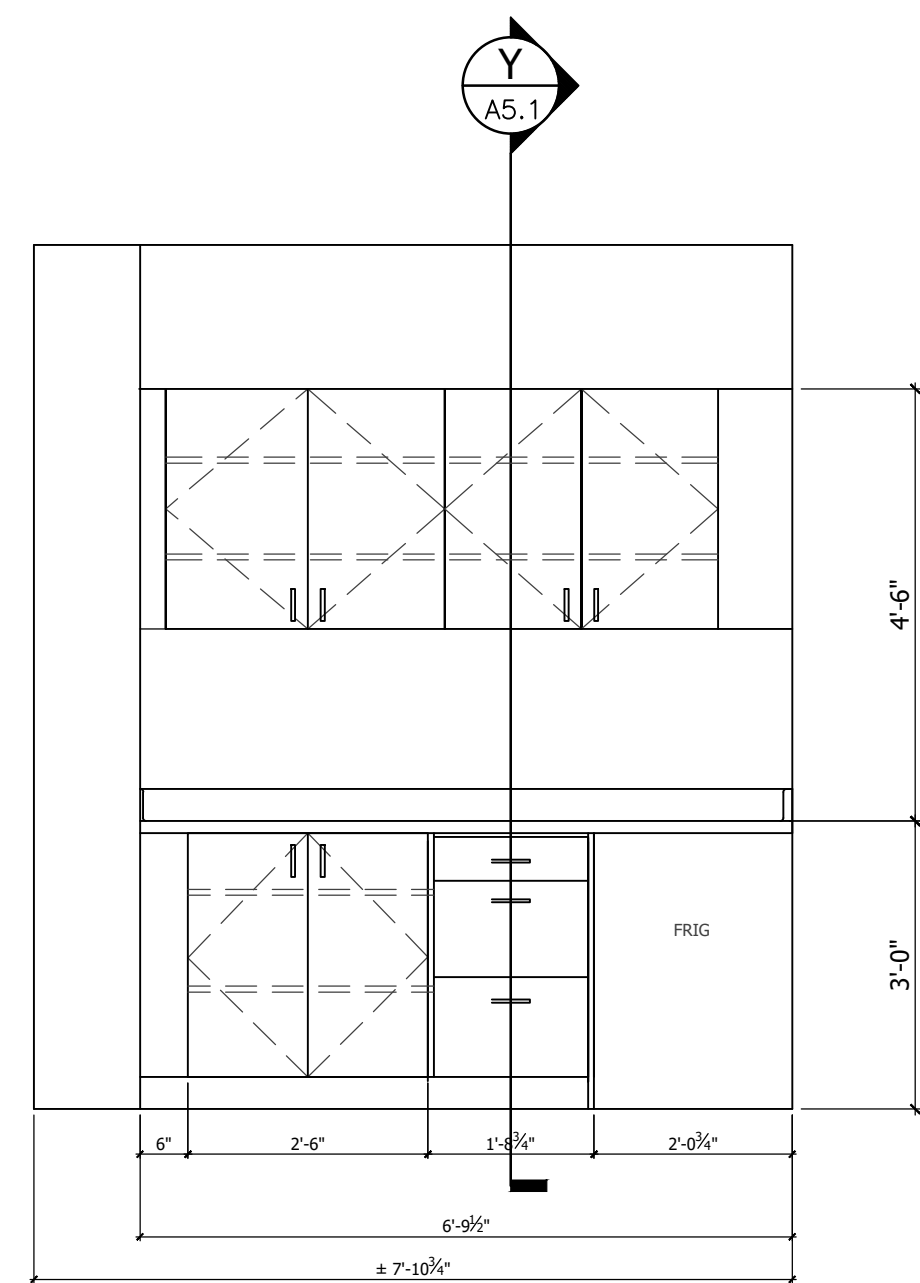
Craig Wallace
Manager of Building & Facilities/CBO

CW/tg/

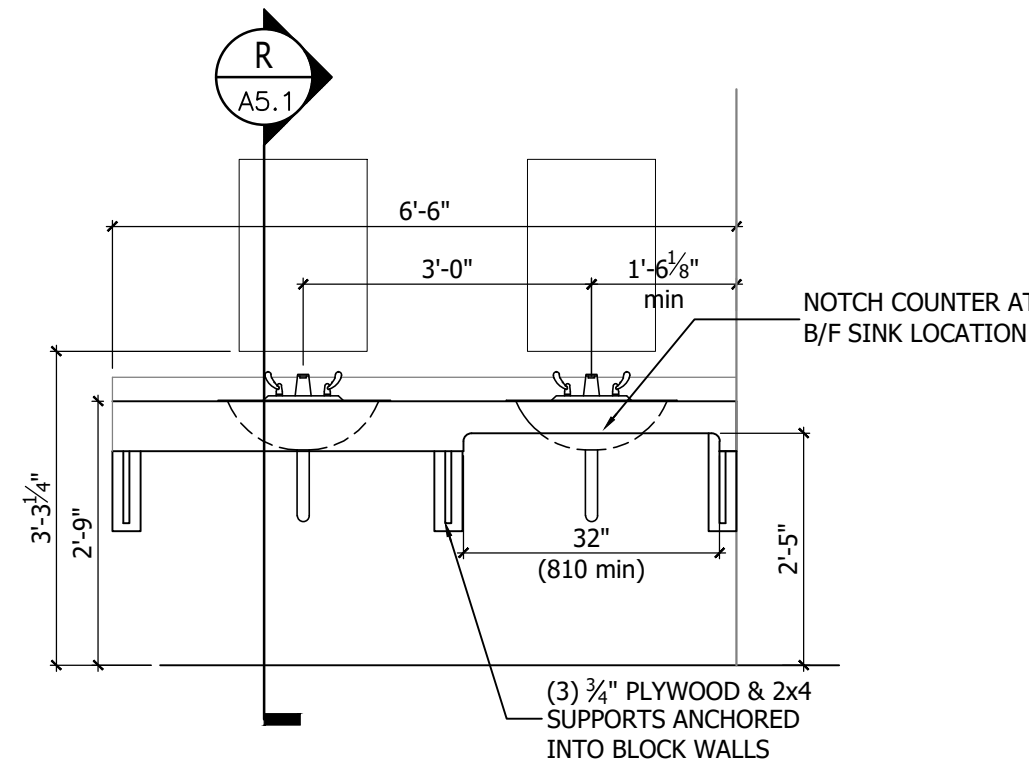
END OF ADDENDUM



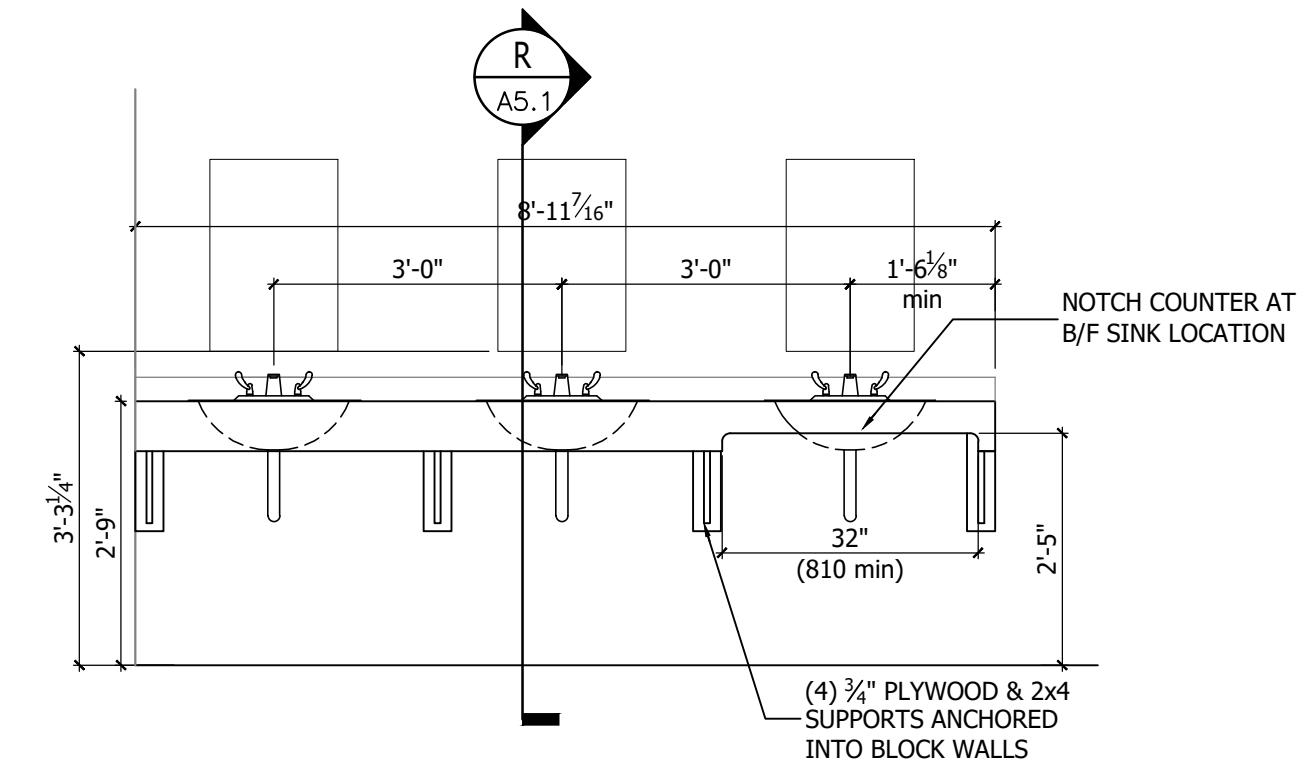
LUNCHROOM ELEVATION
SCALE: 1/2"=1'-0"



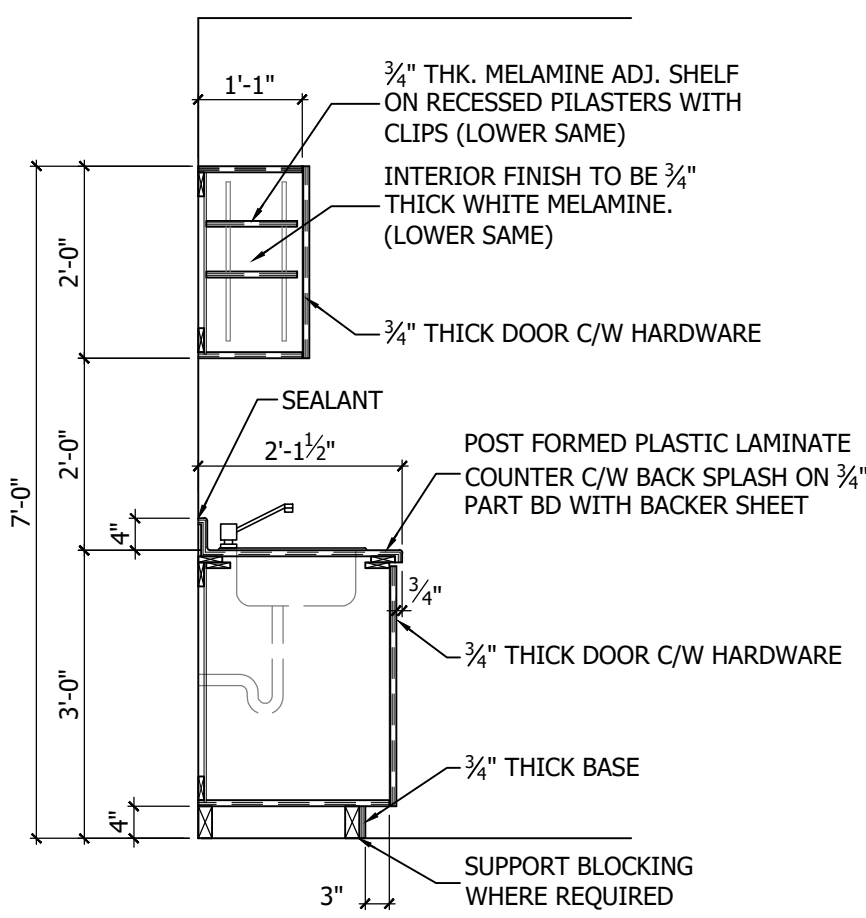
MEETING ROOM ELEVATION
SCALE: 1/2"=1'-0"



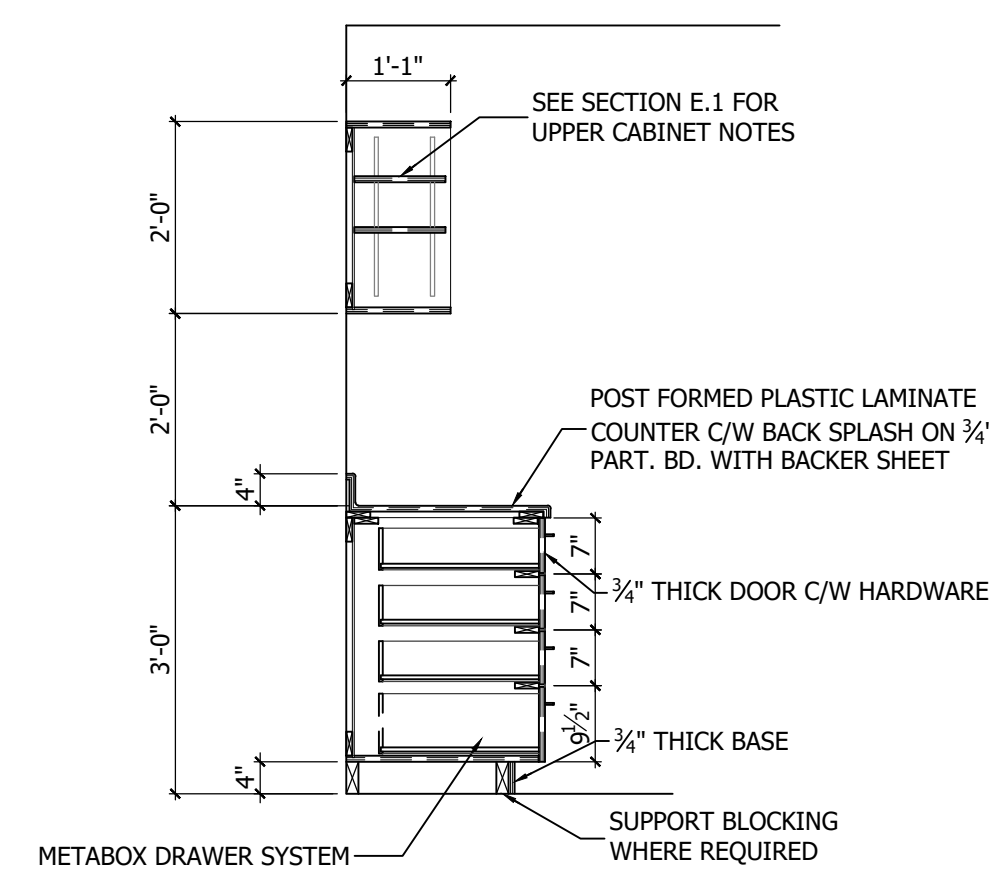
WASHROOM 113 ELEVATION
SCALE: 1/2"=1'-0"



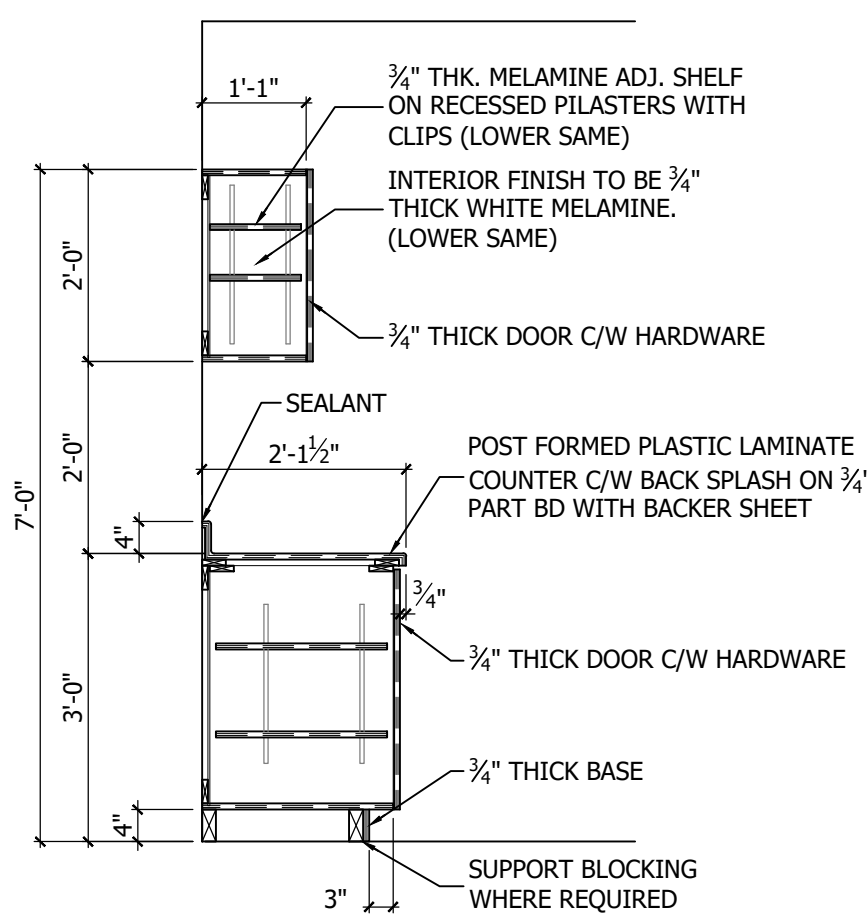
WASHROOM 114 ELEVATION
SCALE: 1/2"=1'-0"



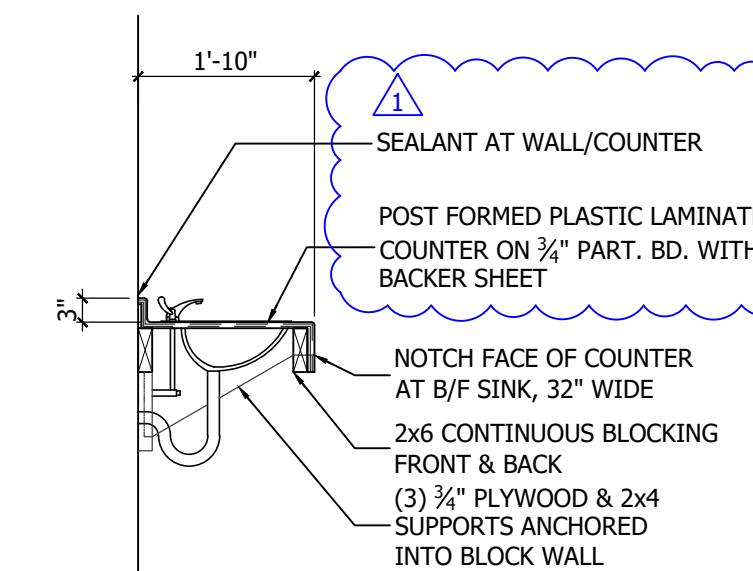
X SECTION
SCALE: 1/2"=1'-0"
DOOR WOOD TYPE, COLOR AND FINISH TO BE SELECTED BY OWNER.
BASE COLOR AND FINISH TO BE SELECTED BY OWNER.
PROVIDE BLOCKING IN WALL FOR UPPER CABINET SUPPORT.



Y SECTION
SCALE: 1/2"=1'-0"
DOOR WOOD TYPE, COLOR AND FINISH TO BE SELECTED BY OWNER.
BASE COLOR AND FINISH TO BE SELECTED BY OWNER.
PROVIDE BLOCKING IN STUD WALL FOR UPPER CABINET SUPPORT.



Z SECTION
SCALE: 1/2"=1'-0"
DOOR WOOD TYPE, COLOR AND FINISH TO BE SELECTED BY OWNER.
BASE COLOR AND FINISH TO BE SELECTED BY OWNER.
PROVIDE BLOCKING IN WALL FOR UPPER CABINET SUPPORT.



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

- GENERAL NOTES:
- MILLWORK TO BE GROUP 2 COLOR, MELAMINE, PARTICLE BOARD, 3 MM PVC EDGES, STANDARD HARDWARE, 110 DEGREE HINGES, D PULL HANDLES.
 - DOOR WOOD TYPE, COLOR AND FINISH TO BE SELECTED BY OWNER. BASE COLOR AND FINISH TO BE SELECTED BY OWNER.
 - PROVIDE BLOCKING IN WALL FOR UPPER CABINET SUPPORT.

ISSUED FOR		STAMP	NORTH ARROW		
<input type="checkbox"/> PRELIMINARY <input type="checkbox"/> CLIENT REVIEW <input type="checkbox"/> SITE PLAN APPROVAL <input type="checkbox"/> BUILDING PERMIT <input checked="" type="checkbox"/> TENDER <input type="checkbox"/> CONSTRUCTION					
DATE	2024-07-24				
REV.	BY	DESCRIPTION		DATE	
1	PJV	ADD NOTES TO SECTION R		2024-08-15	
DRAWN		CHECKED	PROJECT NUMBER	SHEET SIZE	
AA		JH	21367	24x36	
DATE		SCALE	FILE NAME	DRAWING	
2022-07-12		AS NOTED	21367MAIN17	A5.1	

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CITY OF WOODSTOCK
ENGINEERING BLDG
944 JAMES ST

PROJECT
**ADDITION
AND
RENOVATION**

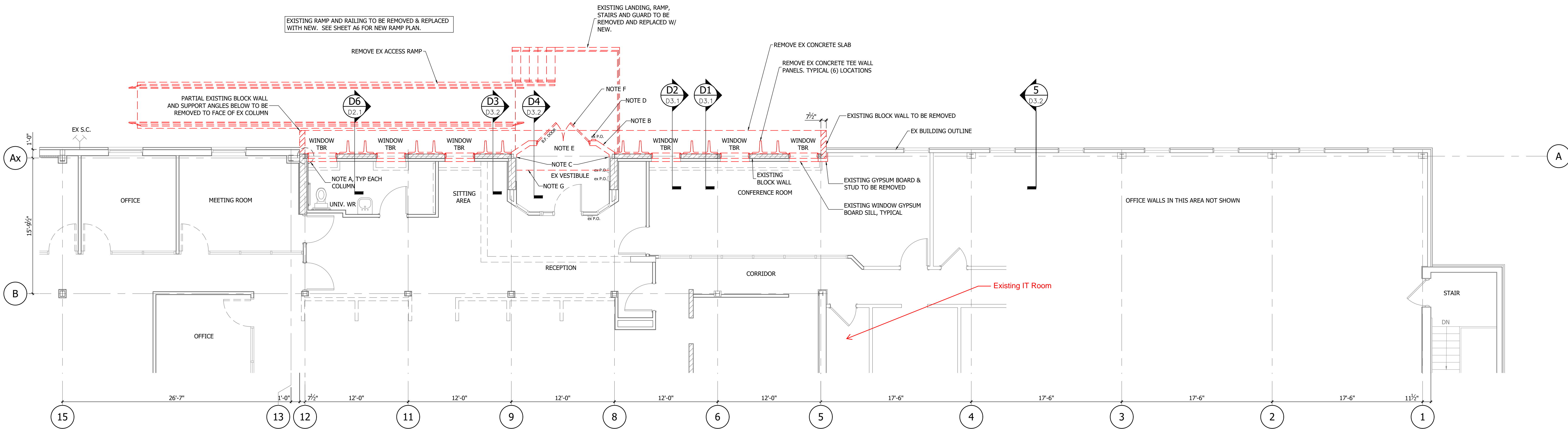
DRAWING
**MILLWORK
DETAILS**



SPH ENGINEERING INC.
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485037 SWEABURG ROAD
WOODSTOCK, ONTARIO
N4S 7V6

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PARTIAL FIRST FLOOR DEMOLITION PLAN
 SCALE: 3/16" = 1'-0"

- ALL DIMENSIONS FOR EXISTING BUILDING ARE TO BE SITE VERIFY
 - PATCH FLOOR SLAB TO MATCH EXISTING AS REQUIRED MAKE GOOD ALL FINISHES.

EXISTING BLOCK WALLS TO BE REMOVED
 EXISTING STUD & GYPSUM BOARD WALLS TO BE REMOVED

- DEMOLITION NOTES:
- A. ALLOW FOR INSPECTION OF CONDITION OF COLUMNS ONCE REMOVAL IS COMPLETE PRIOR TO COVERING (GRID LINES '5' TO '12').
 - B. EXISTING EFIS WALL AND ENTRANCE DOOR TO BE REMOVED. SALVAGE AND RELOCATE EX B.F. DOOR.
 - C. WALL REPAIRS EXPECTED AT THESE AREAS ONCE CONCRETE TEES AND SLAB FLOORING AREAS ARE REMOVED.
 - D. REMOVE & RELOCATE EX POWER DOOR OPERATOR.
 - E. REMOVE AND REPAIR EX FLOOR TILE WHERE WALLS ARE REMOVED. MAKE GOOD ALL FINISHES.
 - F. REMOVE AND SALVAGE EXISTING VESTIBULE DOOR. TO BE REUSED IN NEW VESTIBULE.
 - G. APPROXIMATE LINE OF EXISTING CEILING TILE TRACK. EXISTING CEILING NORTH OF THIS LINE TO BE REMOVED.

ISSUED FOR		STAMP		NORTH ARROW	
<input type="checkbox"/> PRELIMINARY <input type="checkbox"/> CLIENT REVIEW <input type="checkbox"/> SITE PLAN APPROVAL <input type="checkbox"/> BUILDING PERMIT <input checked="" type="checkbox"/> TENDER <input type="checkbox"/> CONSTRUCTION					
DATE 2024-07-24					
REV.	BY	DESCRIPTION		DATE	

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DRAWING
**FIRST FLOOR
 DEMOLITION PLAN**

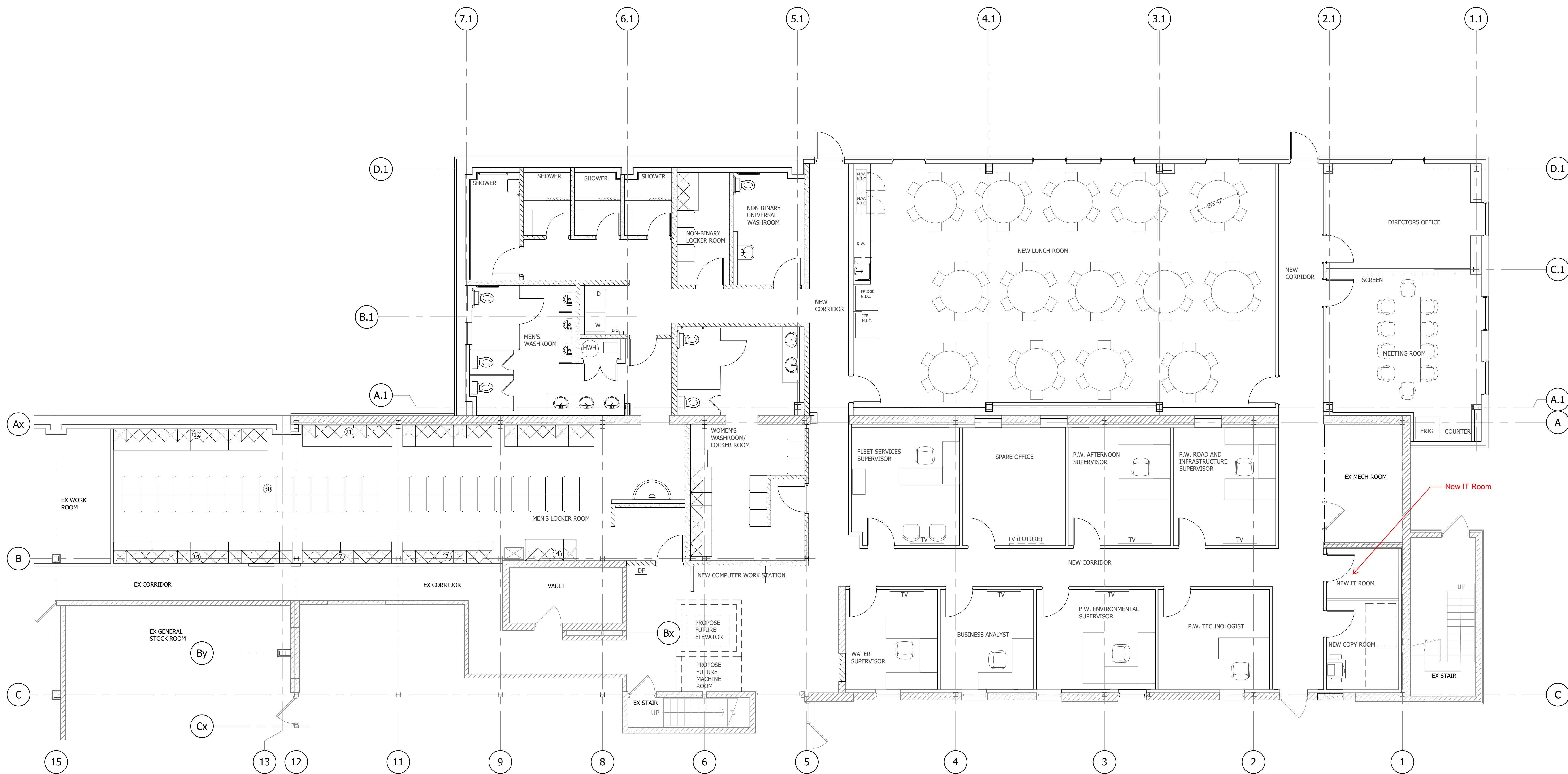


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DRAWN	CHECKED	PROJECT NUMBER	SHEET SIZE
AA	JH	21367	24x36
DATE	SCALE	FILE NAME	DRAWING
2022-07-12	AS NOTED	21367MAIN16	D1.2



GROUND FLOOR PROPOSED FURNITURE FLOOR PLAN
 SCALE: 3/16" = 1'-0"
 FURNITURE N.I.C.

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PROJECT
ADDITION AND RENOVATION

DRAWING
GROUND FLOOR PROPOSED FURNITURE PLAN

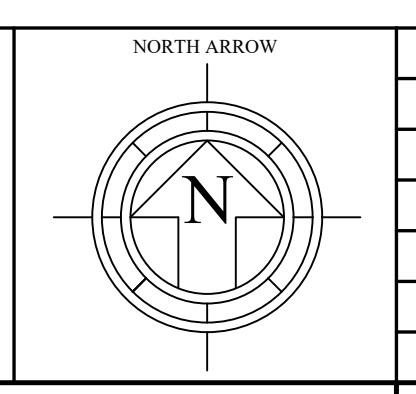


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 DATE 2024-07-24

STAMP



REV.	BY	DESCRIPTION	DATE

DRAWN AA	CHECKED JH	PROJECT NUMBER 21367	SHEET SIZE 24x36
DATE 2022-07-12	SCALE AS NOTED	FILE NAME 21367MAIN16	A1.3

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ONTARIO BUILDING CODE DATA MATRIX PART 3				BUILDING CODE REFERENCE ¹
3.01	PROJECT TYPE	944 JAMES ST, WOODSTOCK, ONTARIO DESCRIPTION: GROUND FLOOR NEW ADDITION		[A] 1.1.2.
3.02	MAJOR OCCUPANCY CLASSIFICATION	OCCUPANCY: F2 D	USE: GARGAGE (EXISTING) OFFICE	3.1.2.1.(1)
3.03	SUPERIMPOSED MAJOR OCCUPANCY	N/A DESCRIPTION:		3.2.2.7.
3.04	BUILDING AREA (m ²)	DESCRIPTION: GROUND FLOOR	EXISTING: 1833m ² NEW: 345m ² TOTAL: 1833m ² 345m ² 2178m ²	[A] 1.4.1.2.
3.05	GROSS AREA (m ²)	DESCRIPTION: GROUND FLOOR FIRST FLOOR	EXISTING: 1756m ² NEW: 339.6m ² TOTAL: 2877m ²	[A] 1.4.1.2.
3.06	MEZZANINE AREA (m ²)	DESCRIPTION:	EXISTING: m ² NEW: m ² TOTAL: m ²	3.2.1.1.
3.07	BUILDING HEIGHT	1 STOREYS ABOVE GRADE STOREYS BELOW GRADE	3.8m ABOVE GRADE (m)	[A] 1.4.1.2. & 3.2.1.1.
3.08	HIGH BUILDING	NO		3.2.6.
3.09	NUMBER OF STREETS / FIREFIGHT ACCESS	FACING 1 STREET(S)		3.2.2.10. & 3.2.5.
3.10	BUILDING CLASSIFICATION (SEE CONSTRUCTION RELATIVE TO OCCUPANCY)	3.2.2.55 GROUP & DIVISION: D 3.2.2.70B GROUP & DIVISION: F2		3.2.2.20. - 3.2.2.83.
3.11	SPRINKLER SYSTEM	NO PROPOSED: YES IN NEW AND RENOVATION AREAS		3.2.1.5. & 3.2.2.17
3.12	STANDPIPE SYSTEM	NO		3.2.9.
3.13	FIRE ALARM SYSTEM	NO PROPOSED:		3.2.4.
3.14	WATER SUPPLY ADEQUATE	YES		
3.15	CONSTRUCTION TYPE	RESTRICTION:	3.2.2.20. - 3.2.2.83. & 3.2.1.4.	
3.16	IMPORTANCE CATEGORY	ACTUAL:	4.1.2.1.(3) & 4.1.2.1.B	
3.17	SEISMIC HAZARD INDEX	(IE Fa Sa (0.2)) = SEISMIC DESIGN REQUIRED FOR TABLE 4.1.8.18 ITEMS 6 TO 21: ((IE Fa Sa (0.2)) ≥ 0.35 OR POST-DISASTER):		4.1.2.1.(3) & 4.1.8.18.(2)
3.18	OCCUPANT LOAD ²	FLOOR LEVEL/AREA	OCCUPANCY TYPE BASED ON LOAD m ² m ²	3.1.17.
3.19	BARRIER-FREE DESIGN	EXPLANATION		3.8.
3.20	HAZARDOUS SUBSTANCE	EXPLANATION		3.3.1.2. & 3.3.1.19.
3.21	TRAVEL DISTANCE	MAXIMUM: 40m	PROVIDED: 32m	3.4.2.5.
3.22	REQUIRED FIRE RESISTANCE RATINGS	HORIZONTAL ASSEMBLY	RATING SUPPORTING ASSEMBLY NON-COMBUSTIBLE IN LIEU OF RATING?	3.2.2.20. - 3.2.2.83. & 3.2.1.4.
3.23	SPATIAL SEPARATION	WALL AREA (m ²)	L.D. (m) L/H OR H/L REQUIRED FRR	3.2.3.
3.24	PLUMBING FIXTURE REQUIREMENTS	RATIO: MALE:FEMALE = 50:50 EXCEPT AS NOTED OTHERWISE		3.7.4.
3.25	ENERGY EFFICIENCY	COMPLIANCE PATH: CLIMATIC ZONE:		

PUBLIC WORKS BUILDING ADDITION
944 JAMES STREET, WOODSTOCK ONTARIO
JOB # 21367

DRAWING LIST	
SHEET #	DEMOLITION DRAWINGS
D1.1	GROUND FLOOR DEMOLITION PLAN
D1.2	FIRST FLOOR DEMOLITION PLAN
D2.1	NORTH DEMOLITION ELEVATION
D3.1	DEMOLITION SECTION
D3.2	DEMOLITION SECTION

DRAWING LIST	
SHEET #	ARCHITECTURAL DRAWINGS
A1.1	SCHEDULES
A1.1a	WINDOW SCHEDULE AND JAMB DETAIL
A1.2	GROUND FLOOR PROPOSED PLAN
A1.3	GROUND FLOOR FURNITURE PLAN
A1.4	FIRST FLOOR PLAN
A1.4a	ROOF DETAILS
A1.5	REFLECTIVE CEILING PLAN
A1.6	ENLARGED PLAN
A1.7	GROUND FLOOR PROPOSED PLAN FINISHES
A2.1	PROPOSED ELEVATIONS
A2.2	PROPOSED ELEVATIONS
A3.1	SECTIONS
A3.2	SECTIONS
A3.3	SECTIONS
A3.4	SECTIONS
A3.5	SECTIONS
A3.6	SECTIONS AND DETAILS
A4.1	ENLARGED WASHROOM PLAN
A5.1	MILLWORK DETAILS
A6.1	PROPOSED ACCESS STAIR & RAMP

DRAWING LIST	
SHEET #	STRUCTURAL DRAWINGS
S1.0	SCHEDULES AND NOTES
S1.0a	DETAILS
S1.1	STRUCTURAL FRAMING PLAN
S1.2	STRUCTURAL FRAMING PLAN
S2.1	PROPOSED ELEVATIONS
S2.2	PROPOSED ELEVATIONS
S3.1	SECTIONS
S3.2	SECTIONS
S3.3	SECTIONS
S3.4	SECTIONS

DRAWING LIST	
SHEET #	FOUNDATION DRAWINGS
G1.1	SCHEDULES AND NOTES
G1.2	DETAILS
G2.1	FOUNDATION PLAN
G3.1	SECTIONS
G3.2	SECTIONS
G3.3	PROPOSED ACCESS STAIR & RAMP

DRAWING LIST	
SHEET #	MECH & ELEC DRAWINGS
M0.1	MECHANICAL SPECIFICATIONS
M0.2	MECH. LEGENDS AND SCHEDULES
MD1	PLUMBING DEMOLITION LAYOUT
MD2	HVAC DEMOLITION LAYOUT
M1	NEW SANITARY LAYOUT
M2	NEW DOMESTIC WATER LAYOUT
M3	NEW HVAC LAYOUT
M3.1	NEW ROOF/VESTIBULE HVAC LAYOUT
M4	NEW STORM PIPING LAYOUT
E0.0	ELECTRICAL SPECIFICATIONS
E0.1	LEGENDS AND SCHEDULES
E0.2	NEW SINGLE LINE AND PANEL SCHEDULE
ED.0	EXISTING PANEL LOCATIONS
ED.1	SINGLE LINE DEMOLITION PLAN
ED.2	G.F. AND VESTIBULE DEMOLITION
E1.0	NEW GROUND FLOOR POWER LAYOUT
E1.1	NEW ROOF POWER & VESTIBULE LIGHTING LAYOUT
E2.0	LIGHTING LAYOUT

¹ - ALL REFERENCES ARE TO DIVISION 9 OF THE OBC, UNLESS PRECEDED BY 1.0 FOR DIVISION 4 OR 1.0 FOR DIVISION 5.
² - IF MULTIPLE OCCUPANT LOADS TO BE USED ON DESIGN THEN A "TYPICAL" LOAD INDICATED BY THE OCCUPANT LOAD SHALL BE POSTED IN A CONSPICUOUS LOCATION.

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DRAWING
TITLE PAGE

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DATE 2024-07-24

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STAMP

NORTH ARROW

1	AA	CODE MATRIX UPDATED	2024-08-13
REV.	BY	DESCRIPTION	DATE
DRAWN	AA	CHECKED	JH
PROJECT NUMBER	21367		SHEET SIZE
			24x36
DATE	2022-07-12	SCALE	AS NOTED
FILE NAME	21367MAIN17		

PART 1 General

1.1 SECTION INCLUDES

- .1 Preformed metal siding system for walls, soffits, and roofing, with liners, related flashings and accessory components.
- .2 Building paper back-up over wood sheathed walls.

1.2 RELATED SECTIONS

- .1 Section 05120: Structural Steel: Structural steel building frame.
- .2 Section 05400 - Cold Formed Metal Framing: Stud wall framing system.
- .3 Section 07213 - Batt Insulation.
- .4 Section 07260 - Vapour Retarders.
- .5 Section 07270 - Air Barriers.
- .6 Section 07430 - Composite Metal Building Panels.
- .7 Section 07620 - Sheet Metal Flashing and Trim.
- .8 Section 07840 - Firestopping.
- .9 Section 08520 - Aluminum Windows.
- .10 Section 13121 - Pre-Engineered Buildings: Building framing system.

1.3 REFERENCES

- .1 ASTM A167 - Stainless and Heat-Resisting Chromium Nickel Steel Plate, Sheet, and Strip.
- .2 ASTM A606 - Steel, Sheet and Strip, High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, with Improved Atmospheric Corrosion Resistance.
- .3 ASTM A653/A653M - Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- .4 ASTM A755/A755M - Steel Sheet, Metallic Coated by the Hot-Dip Process and Prepainted by the Coil-Coating Process For Exterior Exposed Building Products.
- .5 ASTM A792/A792M - Steel Sheet, 55% Aluminum-Zinc Alloy Coated by the Hot-Dip Process.
- .6 ASTM B209/B209M - Aluminum and Aluminum-Alloy Sheet and Plate.
- .7 ASTM C665 - Mineral-Fibre Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.

- .8 ASTM D226 - Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing.

1.4 SYSTEM DESCRIPTION

- .1 System: Preformed and prefinished metal siding system of profile per drawings; site assembled.

1.5 DESIGN REQUIREMENTS

- .1 Components: Design and size components to withstand dead and live loads caused by positive and negative wind pressure acting normal to plane of wall as calculated in accordance with the Ontario Building Code.
- .2 Maximum Allowable Deflection of Panel: 1/180
- .3 Movement: Accommodate movement within system without damage to components or deterioration of seals, movement within system; movement between system and perimeter components when subject to seasonal temperature cycling; dynamic loading and release of loads; deflection of structural support framing.
- .4 Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.
- .5 Products: Provide continuity of thermal barrier at building enclosure elements
- .6 Vapour Retarder: Provide continuity of vapour retarder at building enclosure elements in conjunction with vapour retarders specified in Section 07260.
- .7 Air Seal: Provide continuity of air barrier seal at building enclosure elements in conjunction with air seal materials specified in Section 07270.

1.6 SUBMITTALS FOR REVIEW

- .1 Section 01300: Submission procedures.
- .2 Shop Drawings: Indicate dimensions, layout, joints, construction details, methods of anchorage
- .3 Use the following paragraph for submission of physical samples for selection of finish, colour, texture, etc.
- .4 Samples: Submit two samples illustrating finish colour, sheen, and texture.

1.7 QUALITY ASSURANCE

- .1 Manufacturer: Company specializing in manufacturing the products specified in this section with minimum three years experience.
- .2 Installer: Company specializing in performing the work of this section with minimum 5 years experience.

1.8 DELIVERY, STORAGE, AND PROTECTION

- .1 Section 01600: Transport, handle, store, and protect products.
- .2 Protect panels from accelerated weathering by removing or venting sheet plastic shipping wrap.
- .3 Store prefinished material off ground protected from weather, to prevent twisting, bending, or abrasion, and to provide ventilation. Slope metal sheets to ensure drainage.
- .4 Prevent contact with materials which may cause discolouration or staining.

1.9 COORDINATION

- .1 Section 01300: Coordinate work.
- .2 Coordinate the Work for installation of vapour retarder and air barrier seals.
- .3 Coordinate the Work with installation of windows, louvers, components or materials.

1.10 WARRANTY

- .1 Section 01700: Warranties and bonds.
- .2 Correct defective Work within a five year period after Substantial Completion for degradation of panel finish including colour fading caused by exposure to weather.
- .3 Correct defective Work within a five year period after Substantial Completion for water tightness and integrity of seals.

PART 2 Products

2.1 MANUFACTURERS

- .1 See Drawings.

2.2 EXTERIOR SHEET MATERIALS

- .1 Precoated Galvanized Steel: ASTM A653/A653M,

2.3 ACCESSORIES

- .1 Gaskets: Manufacturer's standard type suitable for use with system, permanently resilient; ultraviolet and ozone resistant; colour as selected.
- .2 Fasteners: Manufacturer's standard type to suit application; stainless steel; fastener cap same colour as exterior panel. Exposed fasteners same finish as panel system.
- .3 Field Touch-up Paint: As recommended by panel manufacturer.
- .4 Bituminous Paint: Asphalt base

2.4 COMPONENTS

- .1 Exterior Sheet: See Drawings
- .2 Liner: See Drawings
- .3 Trim, Closure Pieces, Caps, Flashings, Facias, Infills: Same material, thickness and finish as exterior sheets; brake formed to required profiles.
- .4 Anchors: Stainless steel.

2.5 FABRICATION

- .1 Form sections true to shape, accurate in size, square, and free from distortion or defects.
- .2 Form pieces in longest practicable lengths.
- .3 Form panels for seams. Coordinate style with owner and consultant.
- .4 Panel Profile: See drawings
- .5 Fabricate corners in one continuous piece with minimum 450 mm (18 inch) returns.

PART 3 Execution

3.1 EXAMINATION

- .1 Verify substrate framing to Section 01300.
- .2 Verify that building framing members are ready to receive panel system.

3.2 INSTALLATION

- .1 Install metal siding system on walls and soffits and roofs in accordance with manufacturer's instructions.
- .2 Protect surfaces in contact with cementitious materials and/or dissimilar metals with bituminous paint. Allow to dry prior to installation.
- .3 Fasten siding to structural supports; aligned, level, and plumb.
- .4 Locate joints over supports. Lap panel ends minimum 2 inches
- .5 Provide expansion and control joints where indicated.
- .6 Use concealed fasteners unless otherwise approved by Consultant.
- .7 Seal and place gaskets to prevent weather penetration. Maintain neat appearance.

3.3 TOLERANCES

- .1 Maximum Offset From True Alignment Between Adjacent Members Butting or In Line:
1/16"

- .2 Maximum Variation from Plane or Location Indicated on Drawings: 1/8"

3.4 CLEANING

- .1 Remove site cuttings from finish surfaces.
.2 Clean and wash prefinished surfaces with mild soap and water; rinse with clean water.

3.5 SCHEDULES

- .1 All Other Elevations: Ribbed profile, Red precoated colour, <450 mm> <<18 inch>>
wide panels.

END OF SECTION

PART 1 General

1.1 SECTION INCLUDES

- .1 Porcelain tile floor and base finish

1.2 RELATED SECTIONS

- .1 Section 03355 - Concrete Floor Finishing: Troweling of floor slab for tile application.
- .2 Section 07900 - Joint Sealers: Mildew resistant sealant.

1.3 REFERENCES

- .1 ANSI A108.1 - Installation of Ceramic Tile with Portland Cement Mortar.
- .2 ANSI A108.3 - Quarry Tile and Paver Tile Installed With Portland Cement Mortar.
- .3 ANSI A108.4 - Installation of Ceramic Tile with Organic Adhesives or Water Cleanable Tile Setting Epoxy Adhesive.
- .4 ANSI A108.5 - Installation of Ceramic Tile with Dry-Set Portland Cement Mortar or Latex Portland Cement Mortar.
- .5 ANSI A108.6 - Installation of Ceramic Tile with Chemical Resistant, Water Cleanable Tile Setting and Grouting Epoxy.
- .6 ANSI A108.8 - Installation of Ceramic Tile with Chemical Resistant Furan Mortar and Grout.
- .7 ANSI A108.9 - Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout.
- .8 ANSI A108.10 - Installation of Grout in Tilework.
- .9 ANSI A118.1 - Dry-Set Portland Cement Mortar.
- .10 ANSI A118.3 - Chemical Resistant, Water Cleanable Tile-Setting and Grouting Epoxy and Water Cleanable Tile Setting Epoxy Adhesive.
- .11 ANSI A118.4 - Latex-Portland Cement Mortar.
- .12 ANSI A118.5 - Chemical Resistant Furan Mortars and Grouts for Tile Installation.
- .13 ANSI A118.6 - Ceramic Tile Grouts.
- .14 ANSI A118.8 - Modified Epoxy Emulsion Mortar/Grout.
- .15 ANSI A136.1 - Organic Adhesives for Installation of Ceramic Tile.
- .16 ANSI A137.1 - Standard Specifications for Ceramic Tile.

.17 TCA (Tile Council of America) - Handbook for Ceramic Tile Installation.

.18 TTMAC (Terrazzo, Tile, and Marble Association of Canada) - Manual.

1.4 SUBMITTALS

.1 Section 01300: Submission procedures.

.2 Samples: Provide samples for approval by Owner.

.3 Manufacturer's Certificate: Certify that Products meet or exceed specified requirements.

1.5 MAINTENANCE DATA

.1 Section 01700: Submission procedures.

.2 Maintenance Data: Include recommended cleaning methods, cleaning materials, stain removal methods, and polishes and waxes.

1.6 QUALITY ASSURANCE

.1 Perform Work in accordance with ANSI A137.1.

.2 Conform to TTMAC Manual, TCA Handbook, ANSI A108.1.

1.7 QUALIFICATIONS

.1 Installer: Company specializing in performing the work of this section.

1.8 DELIVERY, STORAGE, AND HANDLING

.1 Section 01600: Deliver, store, protect and handle products to site.

.2 Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.9 ENVIRONMENTAL REQUIREMENTS

.1 Do not install adhesives in an unventilated environment.

1.10 EXTRA MATERIALS

.1 Section 01700: Extra materials.

.2 Provide 2% of total area installed for each product.

PART 2 Products

2.1 TILE MANUFACTURERS

.1 Olympia

.2 Substitutions: Refer to Section 01600.

2.2 PORCELAIN TILE MATERIALS

- .1 Porcelain Floor Tile: ANSI A137.1, conforming to the following:
Floor tile and base to be Olympia tile products, 24"x24" in size or approved equal. Colour to be selected from samples presented by general Contractor.
Provide anti slip tile at washrooms and kitchen areas.
- .2 Porcelain Wall Tile: ANSI A137.1, conforming to the following:
 - .1 Wall tile to be Olympia tile products, 8"x8" in size or approve equal. Colour to be selected from samples presented by general contractor.

2.3 ADHESIVE MATERIALS

- .1 Tile Setting Adhesive: Elastomeric, waterproof, liquid applied.

2.4 MORTAR MATERIALS

- .1 Mortar Materials: ANSI A118.1 Dry Set, ANSI A118.4 Latex Modified, Portland cement, sand, latex additive, and water.

2.5 GROUT MATERIALS

- .1 Grout: ANSI A118.6, tile grout, colour as selected.

2.6 ACCESSORIES

- .1 Membrane: 4 mil thick polyethylene film.
- .2 Top cap for tile base equal to "Jolly" by Schuller
- .3 Reinforcing Mesh: 2 x 2-inch size weave of 16/16 wire size; welded fabric, galvanized.
- .4 Thresholds: Extruded aluminum with integral edge strip, bullnosed edge.

2.7 MORTAR MIX AND GROUT MIX

- .1 Mix and proportion pre-mix setting bed and grout materials in accordance with manufacturer's instructions and TCA Handbook.

PART 3 Execution

3.1 EXAMINATION

- .1 Section 01700: Verify substrate.
- .2 Verify that surfaces are ready to receive work.

3.2 PREPARATION

- .1 Protect surrounding work from damage or disfiguration.
- .2 Vacuum clean surfaces and damp clean.

- .3 Seal substrate surface cracks with filler.
- .4 Apply sealer conditioner to substrate surfaces in accordance with adhesive manufacturer's instructions.

3.3 INSTALLATION - MORTAR BED METHOD

- .1 Install mortar bed, tile, threshold, and grout in accordance with manufacturer's instructions.
- .2 Install cleavage membrane; lap and seal watertight, edges and ends.
- .3 Apply mortar bed over surfaces to appropriate thickness.
- .4 Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
- .5 Place thresholds and edge strips at exposed tile edges.
- .6 Cut and fit tile tight to penetrations through tile. Ensure finish trim will cover cut tile edges. Form corners and bases neatly. Align floor, base and wall joints.
- .7 Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar or excess grout.
- .8 Sound tile after setting. Replace hollow sounding units.
- .9 Keep expansion and control joints free of mortar or grout. Apply sealant to joints.
- .10 Allow tile to set for a minimum of 48 hours prior to grouting.
- .11 Grout tile joints.
- .12 Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.

3.4 CLEANING

- .1 Clean tile and grout surfaces.

3.5 PROTECTION OF FINISHED WORK

- .1 Section 01700: Protect finished Work.
- .2 Do not permit traffic over finished floor surface for 4 days after installation.

3.6 SCHEDULE

- .1 As shown on room finish schedule on drawings.

END OF SECTION

PART 1 General

1.1 SECTION INCLUDES

- .1 Suspended metal grid ceiling system and perimeter trim.
- .2 Acoustic tile, panels and metal pans.
- .3 Supplementary acoustic insulation over system units.

1.2 RELATED SECTIONS

- .1 Section 07213 - Batt Insulation.
- .2 Section 08310 - Access Doors: Access panels.
- .3 Section 15940 - Air Outlets and Inlets: Air diffusion devices in ceiling system.
- .4 Section 16510 - Interior Luminaires: Light fixtures in ceiling system.
- .5 Section 16770 - Public Address and Music System: Speakers in ceiling system.

1.3 REFERENCES

- .1 ASTM C635 - Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
- .2 ASTM C636 - Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels.
- .3 ASTM C665 - Mineral-Fibre Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
- .4 ASTM E580 - Application of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Requiring Moderate Seismic Restraint.
- .5 ASTM E1264 - Classification of Acoustical Ceiling Products.
- .6 CISCA (Ceilings and Interior Systems Contractors Association) - Acoustical Ceilings: Use and Practice.
- .7 UL - Fire Resistance Directory.
- .8 ITS (Intertek Testing Services) - Certification Listings.

1.4 SYSTEM DESCRIPTION

- .1 Suspension System: Rigidly secure acoustic ceiling system including integral mechanical and electrical components with maximum deflection of 1:360.

1.5 SUBMITTALS FOR INFORMATION

- .1 Section 01300: Submission procedures.
- .2 Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention.

1.6 QUALITY ASSURANCE

- .1 Conform to Cisca requirements.
- .2 Grid Manufacturer: Company specializing in manufacturing the Products specified in this section.
- .3 Acoustic Unit Manufacturer: Company specializing in manufacturing the Products specified in this section.

1.7 PROJECT CONDITIONS

- .1 Section 01100: Work scheduling.
- .2 Sequence work to ensure acoustic ceilings are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.
- .3 Install acoustic units after interior wet work is dry.

1.8 EXTRA MATERIALS

- .1 Section 01700: Extra materials.
- .2 Provide five percent of total acoustic unit area of extra tile to Owner.

PART 2 Products

2.1 SUSPENSION SYSTEM MATERIALS

- .1 Non-fire Rated Grid: ASTM C635, intermediate duty; components die cut and interlocking.
- .2 Grid Materials: Commercial quality cold rolled steel with galvanized coating.
- .3 Exposed Grid Surface Width: 15/16 inch with reveal.
- .4 Grid Finish: White.
- .5 Accessories: Stabilizer bars, clips, splices, perimeter moldings and hold down clips required for suspended grid system.
- .6 Support Channels and Hangers: Galvanized steel; size and type to suit application and ceiling system flatness requirement specified.

2.2 ACOUSTIC UNIT MATERIALS

- .1 Acoustic Tile: ASTM E1264, conforming to the following:
 - .1 24"x48" Ceiling Tile:
 - .1 Armstrong Cortega #769 non-directional fissured tile or approved equal.
 - .2 Thickness: ¾" inches.
 - .3 Composition: Mineral
 - .4 Edge: Square.
 - .5 Surface Colour: White.

2.3 ACCESSORIES

- .1 Acoustic Batt Insulation: ASTM C665, glued in place, unfaced; 3 inch thick, size cut to fit acoustic system.
- .2 Acoustic Sealant For Perimeter Moldings: Specified in Section 07900
- .3 Touch-up Paint: Type and colour to match acoustic and grid units.

PART 3 Execution

3.1 EXAMINATION

- .1 Section 01700: Verification of existing conditions before starting work.
- .2 Verify that layout of hangers will not interfere with other work.

3.2 INSTALLATION - LAY-IN GRID SUSPENSION SYSTEM

- .1 Install suspension system in accordance with manufacturer's instructions and as supplemented in this section.
- .2 Install system in accordance with ASTM E580.
- .3 Install system capable of supporting imposed loads to a deflection of 1/360 maximum.
- .4 Locate system on room axis according to reflected plan.
- .5 Install after major above ceiling work is complete. Coordinate the location of hangers with other work.
- .6 Provide hanger clips during steel deck erection. Provide additional hangers and inserts as required.
- .7 Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.

- .8 Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers [and related carrying channels] to span the extra distance.
- .9 Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability. Support fixture loads by supplementary hangers located within 6 inches of each corner; or support components independently.
- .10 Do not eccentrically load system, or produce rotation of runners.
- .11 Perimeter Molding:
 - .1 Install edge moulding at intersection of ceiling and vertical surfaces with continuous gasket.
 - .2 Use longest practical lengths.
 - .3 Mitre corners.
 - .4 Provide at junctions with other interruptions.
- .12 Form expansion joints. Form to accommodate plus or minus 1 inch movement. Maintain visual closure.

3.3 INSTALLATION - ACOUSTIC UNITS

- .1 Install acoustic units in accordance with manufacturer's instructions.
- .2 Fit acoustic units in place, free from damaged edges or other defects detrimental to appearance and function.
- .3 Lay directional patterned units one way with pattern parallel to longest room axis. Fit border trim neatly against abutting surfaces.
- .4 Install units after above ceiling work is complete.
- .5 Install acoustic units level, in uniform plane, and free from twist, warp, and dents.
- .6 Cutting Acoustic Units:
 - .1 Cut to fit irregular grid and perimeter edge trim.
 - .2 Cut square reveal edges to field cut units.
- .7 Where round obstructions occur, provide preformed closures to match perimeter molding.

3.4 ERECTION TOLERANCES

- .1 Section 01400: Tolerances.
- .2 Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.
- .3 Maximum Variation from Plumb of Grid Members Caused by Eccentric Loads: 2 degrees.

END OF SECTION

PART 1 General

1.1 SECTION INCLUDES

- .1 Resilient tile flooring.

1.2 RELATED SECTIONS

- .1 Section 03300-Cast-in-place concrete.

1.3 REFERENCES

- .1 ASTM E84 - Test Method for Surface Burning Characteristics of Building Materials.
- .2 ASTM F1066 - Vinyl Composition Floor Tile.
- .3 ASTM F1861 - Resilient Wall Base.
- .4 FS L-F-1641 - Floor Covering Translucent or Transparent Vinyl Surface with Backing.
- .5 FS L-F-475 - Floor Covering, Vinyl Surface (Tile and Roll), with Backing.
- .6 FS RR-T-650 - Treads, Metallic and Non-metallic, Non-skid.
- .7 FS SS-W-40 - Wall Base: Rubber and Vinyl Plastic.

1.4 SUBMITTALS

- .1 Section 01300: Submission procedures.
- .2 Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns and colours available.
- .3 Samples: Submit samples, 2 x 2 inch in size illustrating colour and pattern for each floor material for owner's selection.
- .4 Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention.

1.5 REGULATORY REQUIREMENTS

- .1 Conform to applicable code for flame/smoke rating requirements.

1.6 DELIVERY, STORAGE, AND HANDLING

- .1 Section 01600: Deliver, store, protect and handle products to site.
- .2 Stack material no more than four (4) feet high, nor in excess of allowable floor loading.

1.7 ENVIRONMENTAL REQUIREMENTS

- .1 Store materials for three days prior to installation in area of installation to achieve temperature stability.
- .2 Maintain ambient temperature required by adhesive manufacturer three days prior to, during, and 24 hours after installation of materials.

1.8 MAINTENANCE DATA

- .1 Section 01700: Submission procedures.
- .2 Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

1.9 EXTRA MATERIALS

- .1 Section 01700: Extra materials.
- .2 Provide two boxes of tiles for each material specified.

PART 2 Products

2.1 MATERIALS - TILE FLOORING

- .1 Vinyl Composition Tile: meeting ASTM F1066:
 - .1 Size: Match existing
 - .2 Thickness: Match existing
 - .3 Design: as selected by owner
 - .4 Manufacturers:
 - .1 Match existing
 - .2 Substitutions: Refer to Section 01600

2.2 MATERIALS - BASE

- .1 Base: ASTM F1861 Type TS vulcanized rubber coved; premoulded corners:
 - .1 Height: 4 inch
 - .2 Thickness: 1/8 inch thick
 - .3 Length: Roll.
 - .1 Substitutions: Refer to Section 01600.
- .2 Base Accessories: Premoulded end stops and external corners of same material, size, and colour as base.

2.3 ACCESSORIES

- .1 Subfloor Filler: type recommended by adhesive material manufacturer.
- .2 Primers and Adhesives: Waterproof; types recommended by flooring manufacturer.

- .3 Cant Strip: Metal
- .4 Sealer and Wax: Types recommended by flooring manufacturer.

PART 3 Execution

3.1 EXAMINATION

- .1 Concrete slab shall be cured a minimum of 28 days before commencing resilient flooring installation.
- .2 Verify concrete floors are dry to a maximum moisture content of 7 percent, and exhibit negative alkalinity, carbonization, or dusting.
- .3 Verify floor and lower wall surfaces are free of substances that may impair adhesion of new adhesive and finish materials.

3.2 PREPARATION

- .1 Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard surface.
- .2 Prohibit traffic until filler is cured.
- .3 Vacuum clean substrate.
- .4 Apply primer as recommended by manufacturer to surfaces.

3.3 INSTALLATION - TILE FLOORING

- .1 Install in accordance with manufacturer's instructions.
- .2 Mix tile from container to ensure shade variations are consistent when tile is placed.
- .3 Spread only enough adhesive to permit installation of materials before initial set.
- .4 Set flooring in place, press with heavy roller to attain full adhesion.
- .5 Lay flooring with joints and seams parallel to building lines to produce symmetrical tile pattern.
- .6 Terminate flooring at centerline of door openings where adjacent floor finish is dissimilar.
- .7 Install edge strips at unprotected or exposed edges, and where flooring terminates. Secure metal strips after installation of flooring with stainless steel screws.
- .8 Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.
- .9 Install flooring in pan type floor access covers. Maintain floor pattern.
- .10 At movable partitions install flooring under partitions without interrupting floor pattern.

3.4 INSTALLATION - BASE

- .1 Fit joints tight and vertical. Maintain minimum measurement of 18 inches between joints.
- .2 Mitre internal corners. At external corners, use premoulded units. At exposed ends, use premoulded units.
- .3 Install base on solid backing. Bond tight to wall and floor surfaces.
- .4 Scribe and fit to door frames and other interruptions.

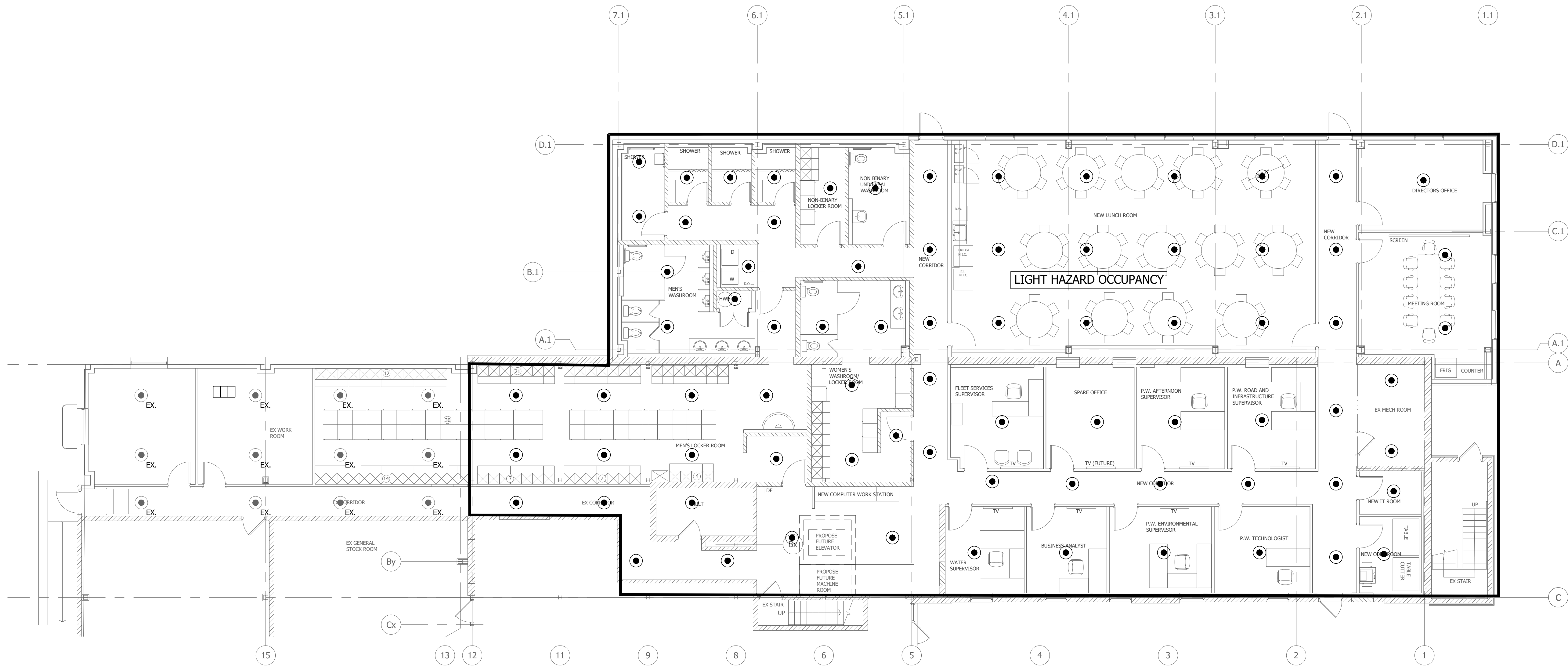
3.5 CLEANING

- .1 Section 01700: Clean Work.
- .2 Remove access adhesive from floor, base, and wall surfaces without damage.
- .3 Clean, seal, and wax floor and base surfaces in accordance with manufacturer's instructions.

3.6 PROTECTION OF FINISHED WORK

- .1 Section 01700: Protect finished Work.
- .2 Prohibit traffic on floor finish for 48 hours after installation.

END OF SECTION



CONCEPTUAL SPRINKLER LAYOUT

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

NOTES:

1. CONTRACTOR TO CONFIRM EXISTING SPRINKLER EQUIPMENT/MAIN LOCATIONS ON SITE.
2. CO-ORDINATE SPRINKLER HEAD LOCATIONS IN EXISTING AREAS WITH EXISTING SITE CONDITIONS.

SPRINKLER LEGEND	
● EX.	EXISTING SPRINKLER HEAD
●	NEW SPRINKLER HEAD

SPRINKLER GENERAL NOTES:

1. SPRINKLER CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR NEW SPRINKLER LAYOUT, HYDRAULIC CALCULATIONS AND PIPING SIZE FOR OWNERS INSURANCE COMPANY APPROVAL.
2. DRAWINGS AND CALCULATIONS ARE TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN ONTARIO AND COMPETENT FOR WORK DESIGNED.
3. PROVIDE CUTTING AND PATCHING FOR WORK AND ARRANGE TO MAKE GOOD ALL FINISHES.
4. SPRINKLER LAYOUT SHOWN IS CONCEPTUAL ONLY.

DESIGN CRITERIA

1. SPRINKLER SYSTEM TO BE HYDRAULICALLY DESIGNED IN ACCORDANCE WITH N.F.P.A. 13 FOR LIGHT HAZARD OCCUPANCY.

DESIGN NOTES

1. SPRINKLER SYSTEM TO BE INSTALLED AS PER N.F.P.A. STANDARD #13 AND ONTARIO BUILDING CODE (OBC) WHEREVER APPLICABLE. CONTRACTOR SHALL INCLUDE FOR OFFSETS IN BRANCH LINES AND MAIN LINE WHERE REQUIRED.
2. ALL MATERIALS TO BE U.L.C. LISTED AND APPROVED BY ALL LOCAL AUTHORITIES.
3. CONTRACTOR TO VISIT SITE TO DETERMINE EXACT LOCATION AND ELEVATION OF EXISTING MAINS.
4. ALL SUPERVISED VALVES, FLOW SWITCHES AND LOW PRESSURE MONITORING SWITCHES TO BE CONNECTED TO EXISTING FIRE ALARM SYSTEM (IF APPLICABLE) OR NEW FIRE ALARM OR NEW FIRE ALARM SYSTEM (IF APPLICABLE) BY ELECTRICAL CONTRACTOR.
5. POWER SUPPLY TO SPRINKLER SYSTEM COMPONENTS, SUCH AS SUPERVISED VALVES AND AIR COMPRESSORS, TO BE PROVIDED BY ELECTRICAL CONTRACTOR AS REQUIRED.
6. PROVIDE FIRE ALARM VERIFICATION BEFORE COMPLETION OF PROJECT IN ACCORDANCE WITH O.B.C. 3.2.4.5. SUBMIT COPY OF TECHNICIANS REPORT AND CERTIFICATE.

ISSUED FOR	STAMP	NORTH ARROW
<input type="checkbox"/> PRELIMINARY <input type="checkbox"/> 90% CLIENT TENDER REVIEW <input type="checkbox"/> SITE PLAN APPROVAL <input type="checkbox"/> BUILDING PERMIT <input checked="" type="checkbox"/> TENDER ADDENDUM <input type="checkbox"/> CONSTRUCTION DATE 2024-08-13		

REV.	BY	DESCRIPTION	DATE

CLIENT
**CITY OF WOODSTOCK
ENGINEERING BLDG
944 JAMES ST**

PROJECT
**ADDITION
AND
RENOVATION**

DRAWING
**CONCEPTUAL
SPRINKLER LAYOUT**



SPH ENGINEERING INC.
REAL WORLD ENGINEERING SOLUTIONS
TEL: 519-539-5700 FAX: 519-539-5775

485037 SWEABURG ROAD
WOODSTOCK, ONTARIO
N4S 7V6

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DRAWN	CHECKED	PROJECT NUMBER	SHEET SIZE
HS	GWG	21367	24x36
DATE	SCALE	FILE NAME	DRAWING
2023-11-15	AS NOTED	21367MainM5	SP1