LCBO

STORE #686
19 Beechwood Ave.
Ottawa, Ontario
K1M 1M2
RFT# 2020-008

GENERAL NOTES:

1. CONTRACTOR AND ALL SUB-TRADES SHALL VERIFY ALL SITE DIMENSIONS, ALL DRAWINGS, DETAILS AND SPECIFICATIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT IN WRITING FOR APPROVAL BEFORE PROCEEDING WITH THE WORK.

2. CONTRACTOR AND SUB-CONTRACTORS, BEFORE PROCEEDING WITH WORK, MUST SUBMIT ALL NECESSARY SAMPLES FOR APPROVAL OF QUALITY AND FINISH TO THE LCBO PROJECT COORDINATOR.

3. CONTRACTOR MUST COMPLY WITH THE CONTRACT DOCUMENTS, PERFORMANCE REQUIREMENTS, APPLICABLE CODES AND REGULATIONS.

4. ALL CONSTRUCTION SHALL REFERENCE ARCHITECT'S AND ENGINEER'S DRAWINGS.

5. G.C TO CONTACT & CARRY ET GROUP TO SUPPLY & INSTALL SOUND EQUIPMENT:
ET GROUP
524 FRONT ST W. TORONTO, ON
CONTACT: ANN LOUGH
TEL: 647-477-1688
EMAIL: SOUNDSIDEAL@SYMPATICO.CA

EQUIPMENT TO INCLUDE THE FOLLOWING:
(GC TO ENSURE ALL VISIBLE SOUND EQUIP. IS BLACK)

- MOUSETRAP SPEAKERS EMT501
- TOA 712 MIXER/AMPLIFIER
- TOA BG 2035 MIXER/AMPLIFIER
- TOA CS 154 PAGING HORN
- JBL SERIES PENDANT SPEAKERS
- MULTI-CONDUCTOR - 2 CONDUCTORS 2 18 AWG
- 22-2C STR BC LSPVC FOIL SHD LSPVC
- SUPPORTS AND CONNECTORS
- ET JB1 AMPLIFIER/INTERFACE
- VOLUME ATTENUATOR
- BELKIN MASTERCUBE SINGLE OUTLET SURGE PROTECTOR
- CEILING SPEAKER - JBL CONTROL 24C MICRO
- CEILING SPEAKER - JBL 24 CT PLUS
- SPEAKER WIRING
- PAGING TIE-INS WITH PHONE SYSTEM AS NEEDED
- INCLUDE SCISSOR LIFT AND ALL INSTALLATION
- SPEAKER QUANTITIES TO SUIT STORE LAYOUT

GENERAL NOTES:

LCBO VENDOR WILL SUPPLY AND INSTALL THE FOLLOWING SIGNAGE. ELECTRICAL CONNECTIONS BY GC. COORDINATION OF VENDOR'S INSTALLATION BY GC.

- SIGN CONTRACTOR TO APPLY FOR AND PAY FOR ALL REQUIRED PERMITS.

A. INTERIOR SIGNS:
- OPEN & COLD BEER SIGNS.
- CREST SIGNS
- PIN-ON LETTERS
- LINTEL LETTERS
- BEER STYLE MURAL GRAPHICS

B. EXTERIOR SIGNS:
- BLADE SIGNS
- ILLUMINATED BOX SIGNS
- ILLUMINATED CHANNEL LETTER SIGNS
- TEMPORARY BANNERS
- OPENING PACKAGE
- FLAG SIGNS
- VINYL GRAPHICS

OWNER / TENANT

LIQUOR CONTROL BOARD OF ONTARIO
55 Lakeshore Blvd. East, 2nd Floor
Toronto, Ontario M5E 1A4

Contact:
James Lau
Tel.: 416-864-6389
e-mail: james.lau@lcbo.com

LANDLORD

MINTO PROPERTIES
200-180 Kent St.
Ottawa, Ontario, Canada
K1P 0B6
Contact:
Richard Tremblay
Tel.:613.786.3016
e-mail: rtremblay@minto.com

ARCHITECT

IBI GROUP ARCHITECTS
7th Floor - 55 St. Clair Avenue West
Toronto, Ontario M4V 2Y7

Contact:
Laurie Gennings
Tel.: 416-596-1930 Ext. 61111
Fax: 416-596-0644
e-mail: laurie.gennings@ibigroup.com

CONSULTANTS

INTERIOR DESIGN
FIORINO DESIGN
136 Dupont Street
Toronto, ON Canada
M5R 1V2

Contact:
Tel.: 416-929-7140
Fax: 416-929-4298

STRUCTURAL
WSP
600 Cochrane Drive
Markham, Ontario L3R 5K3

Contact:
Tina Jin
Tel.: 905-475-8727
Fax: 905-475-5994
e-mail: JinT@mmm.ca

MECHANICAL & ELECTRICAL
WSP
600 Cochrane Drive
Markham, Ontario L3R 5K3

Contact(s):
Mech: Marcus Lee
Tel.: 289-789-3302
e-mail: Marcus.Lee@wsp.com

Elec: Mahesh Paul
Tel: 289-789-3207
e-mail: Mahesh.Paul@wsp.com

REFRIGERATION CONSULTANT
NEELANDS GROUP LTD
4131 Palladium Way,
Burlington, Ontario L7M 0V9

Contact:
Scott Corbett/Jennifer Gordon
Tel.: 416.798.9705
905.516.8132
e-mail: scott@neelands.com/
jennifer.gordon@neelands.com
www.neelands.com

BUILDING AUTOMATION SYSTEM
STANDARD MECHANICAL SYSTEMS LIMITED
3055 Universal Drive
Mississauga, Ontario L4X 2E2

Contact:
Bill Keates / Jacqueline Randell
Tel.: 416-578-5298
e-mail:bill@standardmechanical.com
jacqueline@standardmechanical.com

LIGHTING CONSULTANT
ENERGY NETWORK SERVICES INC.
2-125 West Beaver Creek Road
Richmond Hill, Ontario, L4B 1C6
Contact:
John Zaim
Tel.: 905-763-2946 ext. 229
e-mail: LCBO@ENSINC.ca
jzaim@ensinc.ca

COMMISSIONING CONSULTANT
EnergyDM
74 Romance Drive, Richimond Hill, ON, L4S 2R8
Contact:
Daryoush Marandi
Tel.: 647-234-6646
e-mail: daryoush@energydm.ca

DRAWING NUMBER		DRAWINGS ISSUED FOR: May 7, 2019 30% DRAWING REVIEW	June 26, 2019 60% DRAWING REVIEW	July 15, 2019 90% DRAWING REVIEW	September 5, 2019 100% DRAWING REVIEW	December 09, 2019 ISSUED FOR BUILDING PERMIT	January 20, 2020 RE-ISSUED FOR BUILDING PERMIT	August 14, 2020 RE-ISSUED FOR BUILDING PERMIT	August 27, 2020 ISSUED FOR TENDER
	ARCHITECTURAL DRAWINGS								
A0.00	COVER SHEET, DRAWING LIST AND OBC MATRIX	⊗	⊗	⊗	⊗	⊗		⊗	⊗
A1.00	SITE PLAN		⊗	⊗	⊗	⊗			⊗
A1.01	PARTITION PLAN	⊗	⊗	⊗	⊗	⊗		⊗	⊗
A1.02	FIXTURE PLAN	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
A1.03	REFLECTED CEILING PLAN	⊗	⊗	⊗	⊗	⊗		⊗	⊗
A1.04	DIRECTIONAL LIGHTING PLAN	⊗	⊗	⊗	⊗	⊗		⊗	⊗
A1.05	FLOOR FINISHES PLAN	⊗	⊗	⊗	⊗	⊗		⊗	⊗
A1.06	FIXTURE & MILLWORK ITEMIZATION PLAN	⊗	⊗	⊗	⊗	⊗		⊗	⊗
A1.07	FIXTURE & MILLWORK ITEMIZATION LEGEND	⊗	⊗	⊗	⊗	⊗		⊗	⊗
A1.08	BASE BUILDING SERVICES COORDINATION PLAN	⊗	⊗	⊗	⊗	⊗		⊗	⊗
A2.00	EXTERIOR ELEVATION	⊗	⊗	⊗	⊗	⊗			⊗
A2.01	INTERIOR ELEVATIONS	⊗	⊗	⊗	⊗	⊗			⊗
A2.02	INTERIOR ELEVATIONS	⊗	⊗	⊗	⊗	⊗			⊗
A2.03	SERVICE AREAS: ENLARGED PLANS & INTERIOR ELEVATIONS	⊗	⊗	⊗	⊗	⊗		⊗	⊗
A3.00	MISCELLANEOUS DETAILS		⊗	⊗	⊗	⊗			⊗
A4.00	SUPPLEMENTAL FINISH SCHEDULE	⊗	⊗	⊗	⊗	⊗			⊗
A4.01	ROOM FINISHES SCHEDULE, DOOR SCHEDULE, DOOR FRAMES AND SCREEN TYPES		⊗	⊗	⊗	⊗			⊗
	STRUCTURAL DRAWINGS								
S0	GENERAL NOTES AND ABBREVIATIONS		⊗	⊗	⊗	⊗		⊗	⊗
S1	IMPACT DOOR AND CONDENSER UNIT FRAMING		⊗	⊗	⊗	⊗		⊗	⊗
S2	SECTIONS AND DETAILS		⊗	⊗	⊗	⊗		⊗	⊗
	MECHANICAL DRAWINGS								
M-1	MECHANICAL SPECIFICATION, DRAWING LIST, LEGEND & SCHEDULES	⊗	⊗	⊗	⊗	⊗		⊗	⊗
M-2	MECHANICAL DETAILS	⊗	⊗	⊗	⊗	⊗		⊗	⊗
M-3	HVAC LAYOUT	⊗	⊗	⊗	⊗	⊗		⊗	⊗
M-4	PLUMBING AND FIRE PROTECTION LAYOUT	⊗	⊗	⊗	⊗	⊗		⊗	⊗
M-5	FIRE PROTECTION LAYOUT	⊗	⊗	⊗	⊗	⊗		⊗	⊗
M-6	SEQUENCE OF OPERATIONS			⊗	⊗	⊗		⊗	⊗
M-7	BASE BUILDING HHYDRONIC SCHEMATICS			⊗	⊗	⊗		⊗	⊗
	ELECTRICAL DRAWINGS								
E-1	ELECTRICAL LEGEND OF SYMBOLS AND LUMINARIES SCHEDULES	⊗	⊗	⊗	⊗	⊗		⊗	⊗
E-2	SINGLE LINE DIAGRAM AND PANEL SCHEDULES	⊗	⊗	⊗	⊗	⊗		⊗	⊗
E-3	ELECTRICAL LIGHTING LAYOUT	⊗	⊗	⊗	⊗	⊗		⊗	⊗
E-4	ELECTRICAL POWER LAYOUT	⊗	⊗	⊗	⊗	⊗		⊗	⊗
E-5	ELECTRICAL ROOF LAYOUT	⊗	⊗	⊗	⊗	⊗		⊗	⊗
E-6	ELECTRICAL DETAILS	⊗	⊗	⊗	⊗	⊗		⊗	⊗
E-7	ELECTRICAL DETAILS	⊗	⊗	⊗	⊗	⊗		⊗	⊗
E-8	ELECTRICAL DETAILS	⊗	⊗	⊗	⊗	⊗		⊗	⊗
E-9	ELECTRICAL DETAILS	⊗	⊗	⊗	⊗	⊗		⊗	⊗
E-10	ELECTRICAL DETAILS	⊗	⊗	⊗	⊗	⊗		⊗	⊗
	BUILDING AUTOMATION SYSTEM DRAWINGS								
EM-01	NOVAR BAS SYSTEM WIRING DIAGRAM, VAV DIAGRAM				⊗	⊗		⊗	⊗
EM-02	SCOPE OF WORK - SEQUENCE OF OPERATIONS				⊗	⊗		⊗	⊗
EM-03	NOVAR BAS POINT LIST				⊗	⊗		⊗	⊗
EM-04	HEAT PUMP UCM, LCD DIAGRAM, POWERLINK				⊗	⊗		⊗	⊗
EM-05	NOVAR BAS POINT LIST				⊗	⊗		⊗	⊗

LANDLORD'S OBC CODE MATRIX:

ONTARIO BUILDING CODE MATRIX 2012			PART 3	PART 9
1	PROJECT DESCRIPTION	New Demising Partition and Vestibule Construction ☐ NEW ☐ ADDITION ☒ ALTERATION ☐ CHANGE OF USE ☒ PART 3 ☐ PART 9 ☐ PART 11	1.1.2 [A]	1.1.2 [A] 9.10.1.3
2	MAJOR OCCUPANCY(S)	Major Occupancy C, Minor Occupancy Group E	3.1.2.1	9.10.2
3	AREA (m^2)	BUILDING AREA: EXISTING= 1843 m2 NEW=0 TOTAL= 1843 m2 GROSS AREA: EXISTING= 14,744 m2 NEW=0 TOTAL= 14,744 m2	1.4.1.2 [A]	1.4.1.2 [A]
4	NUMBER OF STOREYS	ABOVE GRADE: 8 BELOW GRADE: 2	1.4.1.2 [A] 3.2.1.1	1.4.1.2 [A] 9.10.4
5	NUMBER OF STREETS/ ACCESS ROUTES	3	3.2.2.10 3.2.5	9.10.20
6	BLDG CLASSIFICATION	Group C , Any Height, Any Area, Sprinklered 3.2.2.42	3.2.2.20-83	9.10.2
7	SPRINKLER SYSTEM	☒ ENTIRE BLDG ☐ SELECTED COMPARTMENTS ☐ BASEMENT ☐ SELECTED FLOOR AREAS ☐ NOT REQUIRED ☐ IN LIEU OF ROOF RATING	3.2.2.20-83 3.2.1.5 3.2.2.17 3.2.5.13	9.10.8.2 Index
8	STANDPIPE	☒ YES ☐ NO	3.2.9	n/a
9	FIRE ALARM	☒ YES ☐ NO	3.2.4	9.10.18
10	WATER SERVICE/ SUPPLY IS ADEQUATE	☒ YES ☐ NO	3.2.5.7	n/a
11	HIGH BUILDING	☒ YES ☐ NO	3.2.6	n/a
12	CONSTRUCTION TYPE	PERMITTED CONSTR. ☐ COMBUSTIBLE ☒ NON-COMBUSTIBLE ☐ BOTH ACTUAL CONSTR. ☐ COMBUSTIBLE ☒ NON-COMBUSTIBLE ☐ BOTH	3.2.2.20-83	9.10.6
13	MEZZANINE(S) AREA (m^2)	N/A	3.2.1.1.[3]-[8]	9.10.4.1
14	OCCUPANT LOAD	BASED ON: ☒ m^2 /PERSON ☒ DESIGN OF BUILDING Ground OCCUPANCY: Group E LOAD: 250 2nd - 7th OCCUPANCY: Group C LOAD: 463 OCCUPANCY: LOAD: OCCUPANCY: LOAD:	3.1.17	9.9.1.3
15	BARRIER-FREE DESIGN	☒ YES ☐ NO (EXPLAIN)	3.8	9.5.2
16	HAZARDOUS SUBSTANCES	☐ YES ☒ NO	3.3.1.2. 3.3.6	9.10.1.3 [4]

ADDITIONAL CODE REQUIREMENTS/CALCULATIONS (FOR LCBO FIT-UP ONLY)

Name of Project:
LCBO Store #686
Location:
19 Beechwood Avenue
Ottawa, Ontario
K1M 1M2

SUITE SPACE:(LCBO)	Areas (SQ.M.)	(SQ.FT.)	Occupant Load (SQFT. Per Person) Table 3.1.17.1
MERCANTILE: 521.9m^2/3.7m^2 per person (Inclues: Sales Area + Office +Vestibule + Coldroom)	521.9	5,618.7	141 Persons
WAREHOUSE/BACK-OF-HOUSE: 186.1m^2/28m^2 per person	186.1	2003.12	7 Persons
STAFF SERVICES: 40.69m^2/46m^2 per person (Inclues: Jan. Rm + Staff Rm + W/Rms)	40.69	437.95	1 Persons
Cumulative Area:	748.8	8,059.77	149

NOTE: SEISMIC RESTRAINT: (THIS STORE IS LOCATED WITHIN A SEIMIC ZONE):

- G.C TO SUBMIT P.ENG STAMPED DRAWINGS WITH RESPECT TO SEISMIC RESTRAINTS FOR:
  - -SUSPENDED CEILINGS AND OTHER ATTACHMENTS TO CEILINGS WITH INDEPENDENT VERTICAL SUPPORT.
  - -FIXTURES.
- ALSO REFER TO SPECIFICATIONS AND STRUCTURAL, MECHANICAL, ELECTRICAL AND COLDROOM DRAWINGS FOR ADDITIONAL SEISMIC REQUIREMENTS
- LCBO EQUIPMENT VENDOR TO SUBMIT P.ENG STAMPED DRAWINGS WITH RESPECT TO SEISMIC RESTRAINTS FOR WAREHOUSE PALLET RACKING.

IBI

IBI GROUP
7th Floor - 55 St. Clair Avenue West
Toronto ON M4V 2Y7 Canada
tel 416 596 1930 fax 416 596 0644
ibigroup.com

LCBO STORE #686
19 Beechwood Ave.
Ottawa, ON
K1M 1M2

FIORINO DESIGN INC.
136 Dupont Street
Toronto, Ontario
M5R 1V2
Tel: 416-929-7140
Fax: 416-929-4298

Context Plan



General Notes

1. ALL DIMENSIONS IN IMPERIAL.
2. VERIFY ALL DIMENSIONS.
3. DO NOT SCALE DRAWINGS.
4. CHECK DRAWINGS AGAINST SPECIFICATIONS.
5. USE THE LATEST REVISED DRAWINGS ONLY.
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7. DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT, AND MUST BE RETURNED UPON COMPLETION OF WORK.
8. TO VIEW A LIST OF BIDDERS FOR THIS PROJECT, PLEASE GO TO: WWW.BIDDINGO.COM/LCBO

Rev.	Date	Description	Initial
7	2020-08-25	Issued for Tender	LG
6	2020-08-14	Re-Issued for Permit	LG
5	2019-12-09	Issued for Permit	LG
4	2019-09-05	Issued for 100% Design Review	LG
3	2019-07-15	Issued for 90% Design Review	LG
2	2019-06-26	Issued for 60% Design Review	LG
1	2019-05-07	Issued for 30% Design Review	LG

Tender
Issued for:

2020-08-25
Issue Date

120707	N.T.S.	LG	VG
Project No.	Scale	Drawn by	Checked by

LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project

Cover Sheet, Drawing List and OBC Matrix

Drawing Title

A0.00

Sheet No.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF IBI GROUP AND MUST BE RETURNED UPON COMPLETION OF WORK. THEY MAY NOT BE USED OR REPRODUCED WITHOUT PERMISSION.

GENERAL NOTES:

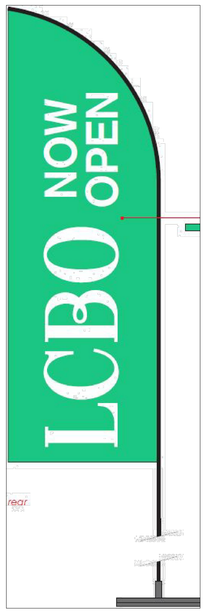
1. THIS SITE PLAN, AS PREPARED BY LANDLORD'S CONSULTANT, IS PROVIDED FOR REFERENCE ONLY.
2. LCBO SIGN CONTRACTOR TO INSTALL TWO (2) FLAG SIGNS INDICATED BY " X ". CONFIRM ALL LOCATIONS WITH LCBO COORDINATOR PRIOR TO INSTALLATION. REFER TO DWG 2/A1.00 FOR DETAILS.

TEMPORARY FLAG SIGNS:

- ALL EXTERIOR FLAG SIGNS TO BE SUPPLIED BY LCBO SIGN CONTRACTOR.
- LOCATION OF FLAG SIGNS TO BE COORDINATED WITH LCBO PROJECT COORDINATOR.
- SIGNAGE CONTRACTOR TO REVIEW AND CONFIRM ZONING BYLAWS FOR TEMPORARY SIGNS WITH THE MUNICIPALITY TO ENSURE TEMPORARY SIGNS ARE APPROVED BY THE CITY/MUNICIPALITY.
- SIGN CONTRACTOR TO APPLY FOR AND PAY FOR ALL REQUIRED PERMITS.
- COORDINATE DESIGN AND REQUIRED PRINT WITH MANUFACTURER.
- INSTALL TEMPORARY FLAG SIGNS AS RECOMMENDED BY GRAPHICS MANUFACTURER.
- ON THE MORNING OF THE STORE OPENING (CONFIRM DATE WITH PROJECT COORDINATOR), SIGN CONTRACTOR TO RETURN TO SITE TO INSTALL "NOW OPEN" FLAG SIGNS BEFORE 8:00AM.
- SIGN CONTRACTOR TO SUBMIT PRODUCT DATA AND MSDS INFORMATION SHEETS FOR LCBO REVIEW AND APPROVAL.

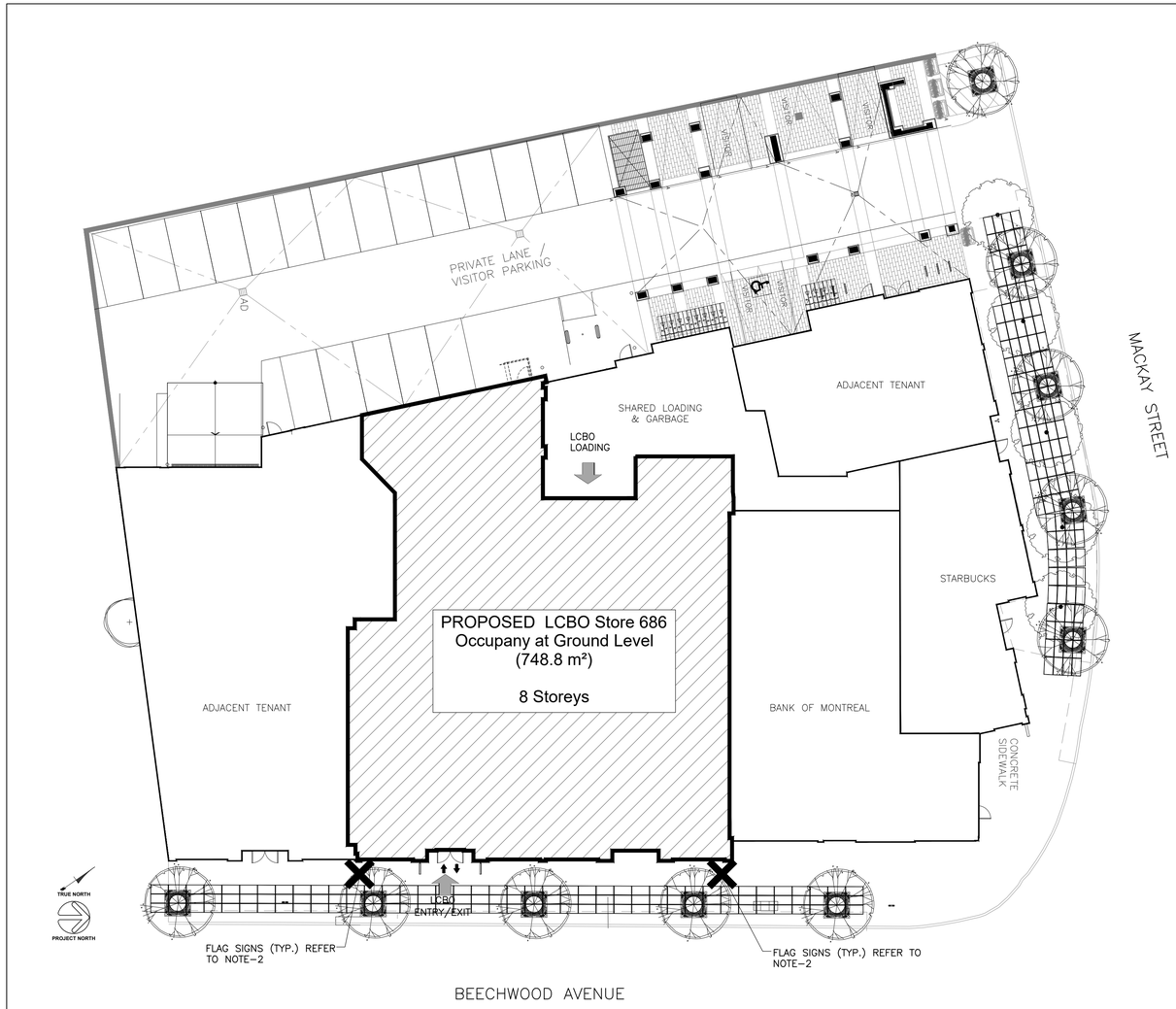


Rubber Weight:



Double Sided Flag Sign:
Front/Rear View:

Flag Sign Details
Scale: N.T.S
2
A1.00



Site Plan
Scale: 1/16"=1'-0"
1
1.00

IBI

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LCBO
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TRUE NORTH
PROJECT N

Rev.	Date	Description	Initial
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1	2019-05-07	Issued for 30% Design Review	LG

Issued for: Tender
Issue Date: 2020-08-25

Project No.	Scale	Drawn by	Checked by
120707	AS NOTED	LG	VG

LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project: Site Plan

Drawing Title

Sheet No. A1.00

AU 2020

PARTITION TYPES:

TYPE	DIAGRAM	DESCRIPTION	THICKNESS
		EXISTING BASE-BUILDING WALL / N.I.C. AREAS	BY L.L
P1		– 1/2" GYPSUM BOARD TO 6" ABOVE T-BAR CEILING – 3/4" PLYWOOD BACKING AS REQUIRED – SOUND ATTENUATION INSULATION – 3 5/8" STEEL STUDS TO U/S OF EX. SLAB – 1/2" GYPSUM BOARD TO 6" ABOVE T-BAR (IN T-BAR LOCATIONS) – 1/2" GYPSUM BOARD TO U/S OF EX. SLAB (IN WAREHOUSE & RETAIL)	4 5/8"
P1a		– 1/2" GYPSUM TO U/S OF EX. SLAB. – 3 5/8" STEEL STUDS TO U/S OF EX. SLAB. – 3/4" PLYWOOD BACKING AS REQUIRED – 1/2" GYPSUM TO U/S OF EX. SLAB.	4 5/8"
P2		– 3 5/8" STEEL STUDS TO U/S OF EX. SLAB. – 3/4" PLYWOOD BACKING AS REQUIRED – 1/2" GYPSUM BOARD TO 6" ABOVE T-BAR CEILING – 5/8" CEMENT BOARD TO 6" ABOVE CEILING (FOR JANITOR ROOM)	4 1/8"
P2a		– 3 5/8" STEEL STUDS TO U/S OF EX. SLAB. – 3/4" PLYWOOD BACKING AS REQUIRED. – 1/2" GYPSUM BOARD TO U/S OF EX. SLAB.	4 1/8"
P3		– 1/2" GYPSUM BOARD TO 6" ABOVE T-BAR (IN UNISEX WASHROOM) – 3/4" PLYWOOD BACKING AS REQUIRED. – 6" STEEL STUDS TO U/S OF EX. SLAB. – SOUND ATTENUATION INSULATION	6 1/2"
P3a		– 1/2" GYPSUM BOARD TO 6" ABOVE T-BAR (IN STAFF ROOM) – 3 5/8" STEEL STUDS TO U/S OF EX. SLAB. – 3/4" PLYWOOD BACKING AS REQUIRED – 5/8" CEMENT BOARD TO 6" ABOVE CEILING WITHIN JANITOR ROOM	4 3/4"
P3b		– 1/2" GYPSUM TO U/S OF EX. SLAB. – 3 5/8" STEEL STUDS TO U/S OF EX. SLAB. – 3/4" PLYWOOD BACKING AS REQUIRED – 5/8" CEMENT BOARD TO 6" ABOVE CEILING WITHIN JANITOR ROOM.	4 3/4"
P4		– 1/2" GYPSUM BOARD TO U/S OF EX. SLAB. – 6" STEEL STUDS TO U/S OF EX. SLAB. – SOUND ATTENUATION INSULATION – 3/4" PLYWOOD BLOCKING AS REQUIRED – 1/2" GYPSUM BOARD TO U/S OF OF EX. SLAB.	7"
P5		– DRAMEX 10F 1.5" OR AMICO ASM 1.5-9F EXPANDED METAL SECURITY MESH TO U/S OF EX. WINDOW SILL – 3 5/8" STEEL STUDS TO U/S OF EX. WINDOW SILL. – MINERAL FIBRE BATT INSULATION – 3/4" PLYWOOD BACKING AS REQUIRED – 6mil VAPOUR BARRIER TO FORM TIGHT SEAL – 1/2" DRYWALL TO U/S OF EX. WINDOW SILL.	4 1/8"
P6		– 1 5/8" STEEL STUDS TO U/S OF EX. SLAB. – 3/4" PLYWOOD BACKING AS REQUIRED – 1/2" GYPSUM BOARD TO U/S OF EX. SLAB.	2 1/8"

NOTE:

ALL NEW WALL / CEILING CONSTRUCTION TO REQUIRE P.ENG STAMPED SHOP DRAWING SUBMITTALS BY GC AND SHOULD BE INCLUSIVE OF ALL REQUIRED HEADERS / BULKHEADS ABOVE DOORS & OPENINGS IN THESE PARTITIONS. THE GC'S ENGINEER SHALL DESIGN ALL PARTITIONS TO BE SELF-SUPPORTING AND IMPOSE NO LOADS ON THE EXISTING ROOF STRUCTURE AND BE IN ACCORDANCE WITH REGIONAL SEISMIC REQUIREMENTS. GC'S ENGINEER TO REVIEW COMPLETED INSTALLATIONS AND PROVIDE STAMPED LETTER OF CONFORMANCE TO BE INCLUDED IN CLOSEOUT DOCUMENTS. (TYPICAL)

– INDICATES NEW WALL CONSTRUCTION BY LCBO GC.

GENERAL NOTES:

1. ALL WALLS TO EXTEND TO U/S OF EXISTING SLAB UNLESS NOTED OTHERWISE AND SEALED AT TOP.
2. ALL GYPSUM / CEMENT BOARD SURFACES TO BE TAPED, PLASTERED, SANDED, PRIMED & PAINTED.
3. ALL STEEL ANGLES, CHANNELS, HANGERS NOT SHOWN ON STRUCTURAL DWGS. SHALL BE PROVIDED BY MISCELLANEOUS METAL CONTRACTOR UNLESS NOTED OTHERWISE.
4. ALL CONCRETE FLOORS WITH DRAINS TO HAVE CONCRETE SLOPED TO DRAIN.
5. GC TO CO-ORDINATE WITH MECH. AND ELECT. CONTRACTORS FOR LOCATIONS AND SIZES OF ALL WALLS FLOORS & ROOF OPENINGS, EQUIPMENT ETC. AS WELL AS RECESSES AND CHASES IN WALLS AND FLOORS. GC'S STRUCTURAL ENGINEER IS RESPONSIBLE FOR DESIGN OF ANY LARGE OPENINGS REQUIRED TO ACCOMMODATE HVAC / MECHANICAL ITEMS. GC TO REVIEW AND COORDINATE.
6. PROVIDE INSULATING STRIP TO U/S OF ALL INTERIOR STUD PARTITIONS AS PER SPECIFICATIONS (TYP.)
7. SEAL AROUND ALL MECH. PENETRATIONS IN SERVICE AREAS WITH FIRE STOP MATERIAL WHERE REQUIRED.
8. PROVIDE DEEP LEG TOP TRACK TO ALLOW FOR VERTICAL EXPANSIONS OF WALLS & ROOF STRUCTURE.
9. PROVIDE BLOCKING WHERE NECESSARY INCLUDING BUT NOT LIMITED TO MILLWORK SHOWN ON THE FIXTURE PLAN (UPPER CABINETS, COMMUNICATION BOX, SUSPENDED SHELVES, MONITORS, WASHROOM ACCESSORIES ETC.).
9. A) GC TO PROVIDE DRAWING(S) LOCATING ANY ADDITIONAL CORING REQUIRED AND OBTAIN APPROVAL FROM LANDLORD BEFORE CARRYING OUT ANY ADDITIONAL CORING WORK.

   B) ANY ADDITIONAL / UNFORESEEN SCANNING & CORING REQUIRED TO FULFILL THE REQUIREMENT OF THE CONTRACT DOCUMENTS SHALL BE INCLUDED IN THE ORIGINAL TENDERED PRICE. IT IS THE GC'S RESPONSIBILITY TO REVIEW THE EXISTING SITE CONDITIONS AND ALLOW FOR ANY ADDITIONAL CORING / SCANNING REQUIRED.

LEGEND:

▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪ HEAVY DASHED LINES ALONG INTERIOR PERIMETER OF WAREHOUSE DENOTES 1/2" THICK PROTECTIVE PLYWOOD.

- PLYWOOD TO BE INSTALLED IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS. LOWER GRADES PLYWOOD WILL NOT BE ACCEPTED (TYPICAL).
- G.C TO SITE VERIFY AND CONFIRM WALL CONSTRUCTION; WHETHER STEEL STUD FRAMING WITH GYPSUM BOARD CLADDING, CONCRETE INTERIOR WALL OR BLOCK MASONRY INTERIOR WALL.
- 4'-0" HIGH PLYWOOD WHERE SHOWN ON THIS PLAN SHALL ONLY BE APPLIED/INSTALLED ONTO STEEL STUD WITH GYPSUM BOARD CLADDING INTERIOR WALLS.
- G.C SHALL CREDIT THE LCBO FOR MATERIAL WHICH IS NOT REQUIRED FOR EXIST WALLS/COLUMNS CONSTRUCTED OF CONCRETE OR CONCRETE BLOCK MASONRY.

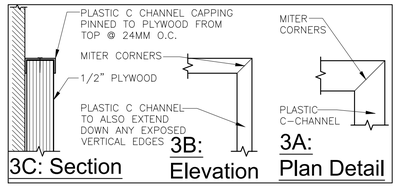
A. ALL PROTECTIVE PLYWOOD IN WAREHOUSE TO BE 1/2" THICK x 4'-0" HIGH, GOOD ONE SIDE & PAINTED (UNLESS OTHERWISE NOTED). SEE DETAIL-2 THIS PAGE.

B. PROVIDE 8'-0" HIGH PROTECTIVE PLYWOOD WHERE INDICATED ON PLAN. GOOD ONE SIDE & PAINTED (UNLESS OTHERWISE NOTED). SEE DETAIL-2 THIS PAGE.

C. PROVIDE 15" x 9" PLYWOOD SHELF NEAR BELL DEMARCATION POINT.

D. PROVIDE FIRE RESISTANT 3/4" PLYWOOD PANELS (GOOD ONE SIDE) TO WALLS BEHIND ELECTRICAL PANELS TO 8'-0" A.F.F AS REQUIRED.

NOTE:
1. SEAL AROUND ALL MECH. AND ELECT. PENETRATIONS IN JANITOR ROOM WITH FIRE STOP MATERIAL WHERE REQUIRED TO MAINTAIN CONTINUOUS 0-HR FIRE SEPARATION.

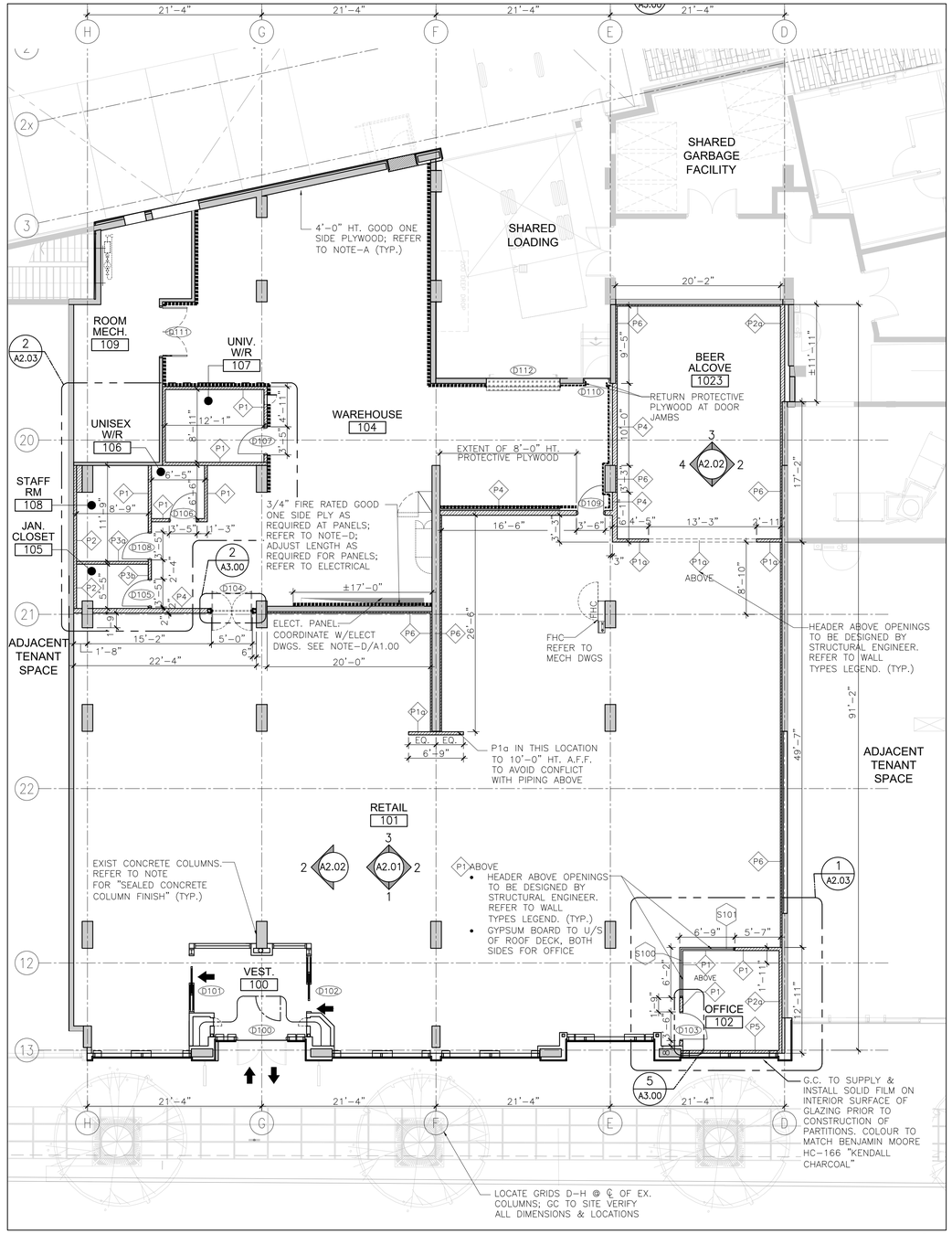


Plywood Wall Protection Details

Scale: 6"=1'-0" (2 / A1.01)

SEALED CONCRETE COLUMN FINISH:

EXPOSED CONCRETE COLUMNS IN RETAIL AND OTHER AREAS AS NOTED.
REMOVE/GRIND ALL CONCRETE RIDGES, FINS, BULGES OR CONCRETE SLURRY AND FILL VOIDS LARGER THAN 1" DIA AND AREAS WITH EXTENSIVE HONEYCOMBING WITH A CEMENT MORTAR CONTAINING AN APPROVED LATEX BONDING AGENT. AFTER MORTAR STIFFENS, WIPE THE WHOLE SURFACE CLEAN SUCH THAT NO MATERIAL REMAINS ON THE SURFACE, EXCEPT THAT WITHIN THE VOIDS. AFTER THE APPLIED MORTAR HAS DRIED/CURED APPLY TWO (2) COATS OF SATIN CLEAR URETHANE. PROVIDE SAMPLE/MOCK-UP/PRODUCT DATA FOR REVIEW BY CONSULTANT/LCBO PRIOR TO PROCEEDING.



Partition Plan

Scale: 1/8"=1'-0" (1 / 1.01)

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Project No.	Scale	Drawn by	Checked by

LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project
Partition Plan

Drawing Title

A1.01
Sheet No.

PLOT DATE: 2020-08-25 11:40:03 PM

GENERAL NOTES AND LEGEND:

1. WAINSCOTING TO BE INSTALLED ON ALL VERTICAL GWB SURFACES IN VESTIBULE AND SHALL EXTEND BELOW WINDOW SILLS WHERE APPLICABLE. SEE F802 (TYP.).

2. STAINLESS SECURITY GATE SYSTEM, 1 ARM, BY BOLDUC SOLUTION.
   SUPPLIED AND INSTALLED BY G.C.
   –MODEL #BMS–5M42–45 (SINGLE SWING ARM ONLY)
   –DIM: 42"D x 45"W
   – FINISH: MATTE BLACK POWDER COAT FINISH
   ENSURE OPTIONS ARE INCLUDED: EMERGENCY BUTTON, PROTECTIVE RUBBER PADS, HANDICAP ACCESSIBILITY BUTTON,
   AND WRONG WAY DETECTION SYSTEM.
   PROVIDE 2 ADDITIONAL FREESTANDING ST.STEEL POSTS AS SHOWN
   CONTACT: ETIENNE AUDET (TEL: 1–418–427–3248, 1–888–478–3248, EMAIL: eaudet@bolducolution.com)

3. ST.STEEL RAILINGS (CART CORRAL/MAGNETIC GATE ON MILLWORK) COMPLETE W/ANCHOR LEG AND DECORATIVE CAP.
   –BY BOLDUC SOLUTIONS
   –DIM: CUSTOMIZED TO STORE. SHOP.
   –FINISH: MATTE BLACK POWDER COAT FINISH
   –DRAWING TO BE PROVIDED FOR APPROVAL.
   –SUPPLIED AND INSTALLED BY G.C.

4. LOCKABLE STEEL CAGE. CAGE BY "FOLDING GUARD L&P GUARDING, LLP" OR APPROVED ALTERNATE. COORDINATE CAGE SIZE REQUIRED WITH CAGE VENDORS. 8'–0" HIGH BLUE RACKING FOR RECORD STORAGE ON TOP C/W ROLLING STAIRCASE FOR ACCESS TO THE 8'–0" BLUE RACKING.
   BOLTED TO FLOOR. CAGE: 7'–0" HIGH, 8 GA. GALVANIZED WELDED STEEL GRID WITH 1½" X 3" OPENINGS.
   DOOR: INDUSTRIAL–GRADE C/W PADLOCK HASP AND PADLOCK WITH MEDECO CORE.

5. "BILINGUAL LANGUAGE" "OPEN" AND "COLD BEER" SIGNS SUPPLIED & INSTALLED BY LCBO SIGNAGE CONTRACTOR. SIGNS TO BE SUSPENDED FROM WINDOW SYSTEM. (REFER TO ELECT). GC TO COORDINATE INSTALLATION. REFER TO EXTERIOR ELEVATIONS.

6. PATRON WASHROOM BILINGUAL VISUAL SIGN BY LCBO SIGNAGE VENDOR: LETTERS TO BE BLACK LETTERING AT LEAST 1"(25mm)"HIGH WITH A 5mm STROKE ON SILVER LAMACOID LABEL: SIGN TO READ AS FOLLOWS: "PLEASE CONTACT A STAFF MEMBER IF A WASHROOM IS NEEDED. VEILLEZ VOUS ADDRESSER A UN EMPLOYE VOUS DESIREZ UTILIZER LES TIOLETTES." SIGN TO BE INSTALLED AT 5'–0" A.F.F.; SUPPLIED & INSTALLED BY LCBO SIGNAGE VENDOR. GC TO COORDINATE INSTALLATION. LOCATION TO BE DETERMINED ON SITE BY LCBO COORDINATOR.

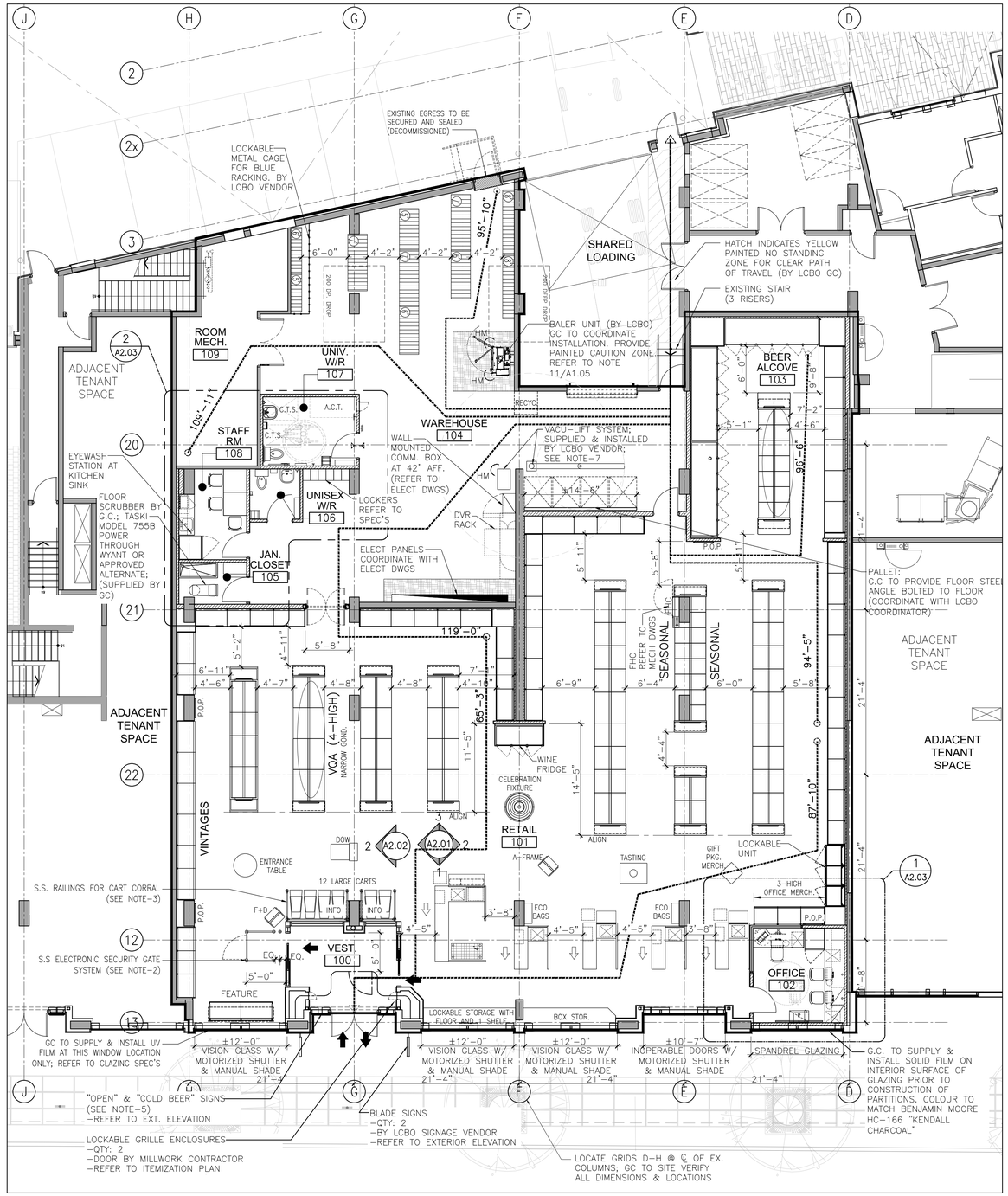
7. GC TO PROVIDE IN CONTRACT FOR SCANNING OF EXISTING SLAB TO AVOID EXISTING IN–SLAB UTILITIES AND STRUCTURES WHEN DRILLING AND MOUNTING VACU–LIFT SYSTEM. EXACT LOCATION TO BE ADJUSTED AS REQUIRED AND TO BE COORDINATED WITH LCBO VENDOR AND LCBO COORDINATOR. REFER TO ELECTRICAL DRAWINGS FOR REQUIRED ELECTRICAL PROVISIONS.

MILLWORK/SIGNAGE/REFRIGERATION/METAL SHELVING/ WAREHOUSE RACKING NOTES:

A. ALL MILLWORK, LIFT TABLE, METAL SHELVING, SIGNAGE, REFRIGERATION, RACKING AND PAINTED WIRE MESH STEEL CAGE IN STEEL FRAMING SUPPLIED AND DELIVERED BY LCBO. FIT–UP G.C TO COORDINATE INSTALLATION WITH RESPECTIVE VENDORS.

HM HALF MOON PROTECTOR, SUPPLIED BY LCBO VENDOR, INSTALLED BY GC.

G.C TO COORDINATE WITH STORE MANAGER AT STORE TURNOVER DATE AND INSTALL THE FOLLOWING ITEMS PROVIDED BY LCBO, SECURED TO WALL:
– UP TO FOUR(4) CORK BOARDS/WHITE BOARDS.
– LIFT TABLE HANDLE.
– FIRSTAID KIT.
GC TO INSTALL AT FINAL LOCATIONS AS VERIFIED BY STORE MANAGER.



Fixture Plan
Scale: 1/8"=1'-0"

1 / 1.02

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Context Plan



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PROJECT N

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LCBO Store No. 686
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Interior Fit-up

Project

Fixture Plan

Drawing Title

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STANDARD NOTES:

A. SPECIFICATIONS FOR ALL ALTERNATES MUST BE APPROVED PRIOR TO TENDER CLOSING.

B. ALL LAMP SPECIFICATIONS MUST USE ONE OF THE FOUR APPROVED MANUFACTURERS; GENERAL ELECTRIC, OSRAM SYLVANIA, PHILIPS LIGHTING, STANDARD PRODUCTS

C. ALL BALLAST SPECIFICATIONS MUST USE ONE OF THE FOUR APPROVED MANUFACTURERS; ADVANCE, OSRAM SYLVANIA, UNIVERSAL MAGNETECK, VENTURE.

D. MECHANICAL AND ELECTRICAL WORK TO COMPLY WITH THE REQUIREMENTS OF THE BUILDING LANDLORD AND AUTHORITIES HAVING JURISDICTION.

E. REFER TO ARCHITECTURAL DRAWINGS(RCP) FOR LOCATION OF CEILING FIXTURES AND REFER TO ENGINEERING DRAWINGS FOR SPECIFICATIONS.

F. G.C TO CROSS REFERENCE BETWEEN ARCHITECT'S RCP, ELECTRICAL DRAWINGS, ENGINEER'S MECHANICAL DRAWINGS AND SITE CONDITIONS. REPORT DISCREPANCIES TO THE PRIME CONSULTANT AND LCBO COORDINATOR FOR CLARIFICATION.

G. ELECTRICAL ENGINEER'S DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL R.C.P. AND LIGHTING LEGEND.

H. ELECTRICAL ENGINEER TO ENSURE ALL TRACK CIRCUITING IS IN ACCORDANCE WITH SECTION 9.1.4 (c) OF ASHRAE 90.1 2010

I. G.C TO PROVIDE OPENINGS IN DRYWALL CEILINGS TO ACCOMMODATE SPRINKLERS, EXIT LIGHTS, ACCESS PANELS, RECESSED DOWN LIGHTS, AIR DIFFUSERS WHERE APPLICABLE. G.C TO REFER TO REFLECTED CEILING PLAN AND ENGINEERING DRAWINGS AND SPECIFICATIONS.

J. G.C. TO VERIFY & COORDINATE LOCATION OF ALL DUCTS/HVAC UNITS AS PER MECHANICAL DRAWINGS IN CONJUNCTION WITH LAYOUT OF RCP

K. CEILING HEIGHTS TO BE REFERENCED FROM ARCHITECTURAL DRAWINGS. G.C TO CONFIRM CEILING HEIGHT & CONDITIONS AND NOTIFY DESIGNER OF ANY DISCREPANCIES.

L. **ENERGY NETWORK SERVICES** (ENS) TO CONFIRM QUANTITIES ON LIGHTING LEGEND WITH REFLECTIVE CEILING PLAN. ANY INCONSISTENCIES OR DISCREPANCIES TO BE REPORTED TO THE LCBO DURING TENDER PERIOD.

M. ALL LIGHT FIXTURES, BALLAST, LAMPS, ETC. TO BE SUPPLIED BY **LCBO (ENS)** AND INSTALLED BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
CONTACT JOHN ZAIM, jzaim@ensinc.ca,
PH.: 905-763-2946 ext. 229.

N. **ENS** TO SUPPLY ALL FLUORESCENT LIGHT FIXTURES IN PERIMETER METAL SIGNBAND/CANOPIES. G.C TO COORDINATE AND INSTALL, ELECTRICAL CONNECTIONS BY G.C ELECTRICAL. REFER TO REFLECTED CEILING PLAN FOR QUANTITIES.

O. CONTRACTOR TO VERIFY & COORDINATE WITH **ENS** FOR DELIVERY OF ALL INTERIOR LIGHT FIXTURES, BALLAST, AND LAMPS AS PER THE LIGHTING LEGEND. **ENS** WILL INCLUDE A LIGHTING AUDIT AND ORDERING ORIENTATION FOR ALL STAFF, THE COSTS ASSOCIATED WITH THE AFOREMENTIONED SHALL BE PART OF THE CONTRACTOR'S PRICE.

P. QUANTITIES OF LIGHTING TO BE CONFIRMED BY **ENS** AND G..C.

Q. G.C. TO ENSURE ALL WIREMANAGEMENT IS KEPT NEAT, TIDY, AND SECURE WITHIN A WIRE-TROUGH SECURED TO THE UNDERSIDE OF THE SLAB WHERE POSSIBLE.

R. ALL BALLASTS TO HAVE LOW BALLAST FACTOR OF 0.77/0.78

S. L5/L6/L7/L8 FIXTURES TO ALIGN AS NOTED IN DRAWING. MANUFACTURER TO ENSURE FABRICATION AS PER DRAWING WHILST USING THE LEAST VARIATION IN COMPONENT LENGTHS.

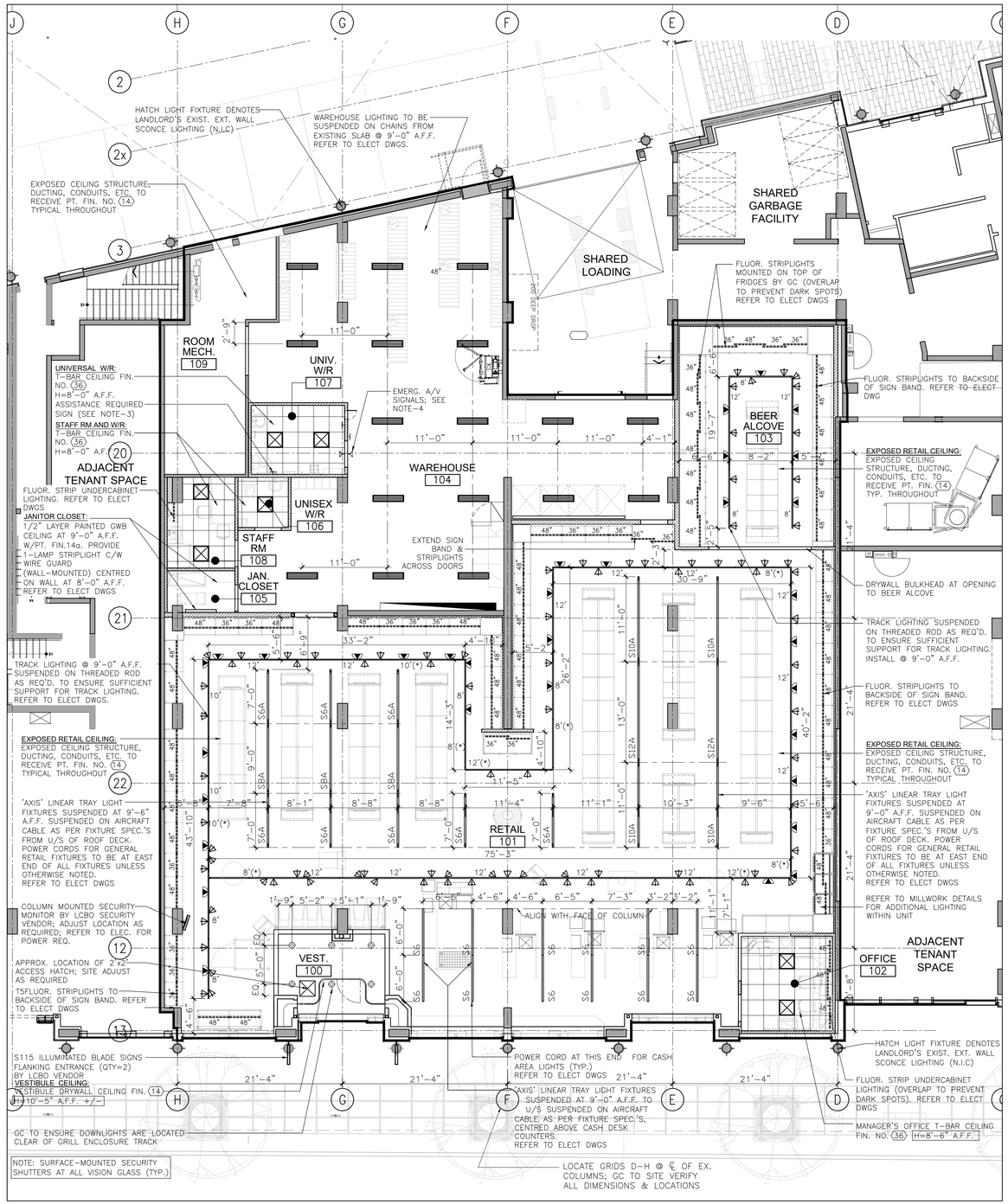
T. (*) DENOTES REQUIRED LENGTH OF LIGHT TRACK TO BE CUT TO SUIT REQUIRED LENGTH (SITE VERIFY)

NOTE:

ALL LED LIGHT FIXTURES REQUIRE 2 WEEKS FOR SHOP DRAWINGS AND 6-8 WEEKS MIN. FOR DELIVERY. G.C. IS RESPONSIBLE TO ORDER LIGHT FIXTURES TO ENSURE THEY ARRIVE ON SITE WHEN REQUIRED.

REFLECTED CEILING NOTES:

1. ALL UNISTRUT & THREADED RODS TO BE SECURED TO U/S OF EXISTING SLAB, SITE VERIFY BY LOCATION. PAINT FIN. (14) . G.C. TO SUPPLY AND INSTALL ALL UNISTRUT COMPONENTS WHERE REQUIRED TO SUSPEND LIGHT FIXTURES/SIGNAGE. REFER TO ARCHITECTURAL DRAWINGS.
2. **EXPOSED RETAIL AREA CEILINGS FINISH:**
ALL EXIST. AND NEW EXPOSED CEILING STRUCTURE (U/S OF SLAB, MECH DUCTING, PLUMBING, PIPING, ALL BASE BLDG. SERVICES, ALL UNISTRUTS, CONDUITS, ETC.) TO RECEIVE PT. FIN. NO. 14 THROUGHOUT (TYP.).
3. EMERGENCY ASSISTANCE SIGN (ADJACENT TO ASSISTANCE REQUIRED PULL SIGNAL) BY G.C: LETTERS TO BE BLACK LETTERING AT LEAST 1"(25mm)"HIGH WITH A 5mm STROKE ON SILVER LAMACOID LABEL: SIGN TO READ AS FOLLOWS: "IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE." SIGN TO BE MOUNTED ABOVE EMERGENCY PUSH BUTTON MAX. 32" A.F.F.(REFER TO ELECT DWGS).
4. EMERGENCY VISUAL/AUDIBLE SIGNALS BY G.C: EMERGENCY VISUAL SIGNAL INSTALLED AT H=7'-6" A.F.F AT UNIVERSAL WASHROOM. LOCATED ABOVE DOOR, ONE EACH SIDE. (REFER TO ELECT DWGS)



Reflected Ceiling Plan

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

1 / A1.03

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Context Plan



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LCBO Store No. 686
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Interior Fit-up

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Reflected Ceiling Plan

Drawing Title

A1.03

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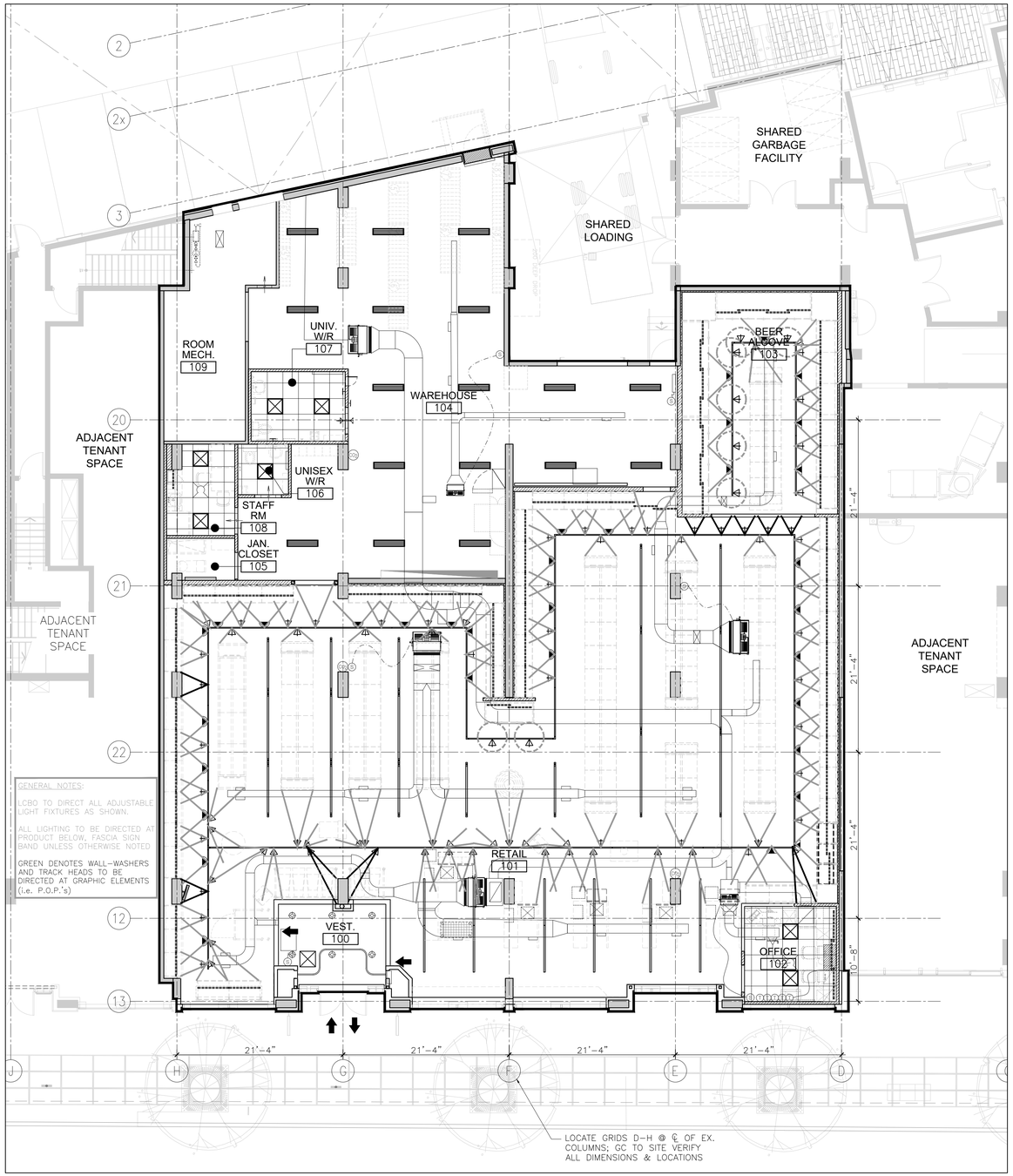
THIS DRAWING IS FOR REFERENCE ONLY.
ALL TRACK FIXTURE ADJUSTMENTS BY LCBO.

STANDARD NOTES:

1. REFER TO RCP FOR ALL LIGHTING LAYOUT & CEILING FINISHES
2. REFER TO FIXTURE PLAN & ITEMIZATION PLAN FOR FIXTURE TYPES / DETAILS

SYMBOL	DESCRIPTION
	TYPE 'L3' TO ILLUMINATE FIXTURES FROM SIGNBAND TO FINISHED FLOOR
	TYPE 'L3' DIRECTED DOWNWARD AS DOWN LIGHT
	TYPE 'L4' TO ILLUMINATE FIXTURES FROM SIGNBAND TO FINISHED FLOOR
	TYPE 'L4' DIRECTED DOWNWARD AS DOWN LIGHT

SYMBOL	QTY	NOTE:
	83	G.C. IS RESPONSIBLE FOR VERIFYING THE QUANTITIES BASED ON THE PLAN AND SHOULD NOT RELY ON THE NUMBERS NOTED IN THIS CHART.
	28	



GENERAL NOTES:

LCBO TO DIRECT ALL ADJUSTABLE LIGHT FIXTURES AS SHOWN.

ALL LIGHTING TO BE DIRECTED AT PRODUCT BELOW, FASCIA SIGN BAND UNLESS OTHERWISE NOTED

GREEN DENOTES WALL-WASHERS AND TRACK HEADS TO BE DIRECTED AT GRAPHIC ELEMENTS (i.e. P.O.P.'s)

Directional Lighting Plan 1 / 1.04
Scale: 1/8"=1'-0"

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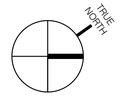
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2	2019-06-26	Issued for 60% Design Review	LG
1	2019-05-07	Issued for 30% Design Review	LG

Issued for: Tender
Issue Date: 2020-08-25
Project No.: 120707 | Scale: 1/8" = 1'-0" | Drawn by: LG | Checked by: VG

LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project: Directional Lighting Plan

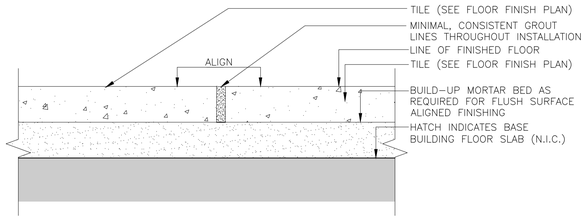
Drawing Title

Sheet No. A1.04

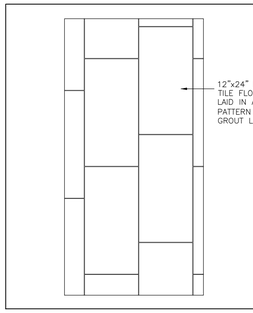
PLOT DATE: 2020-08-25 3:36:36 PM

GENERAL NOTES:

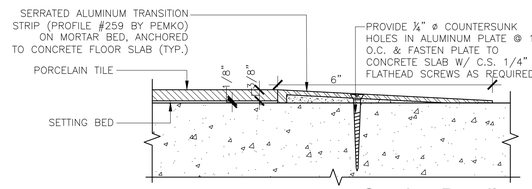
1. REFER TO SUPPLEMENTAL FINISHES SCHEDULE A4.00 FOR ALL MATERIAL SPECIFICATIONS AND SUPPLIER CONTACT INFORMATION.
2. GC TO ENSURE ALL EXISTING CONCRETE FLOORS ARE LEVEL. WHERE CONC SLAB IS NOT EVEN/LEVEL, G.C TO PROVIDE ADDITIONAL MORTAR BED TO LEVEL OUT FLOOR PRIOR TO TILE SUBTRADE'S WORK WHERE REQUIRED. ALL FINISHED TILED FLOOR AREAS TO BE EVEN AND LEVEL.
3. PROVIDE SELF-LEVELING COMPOUND TO BRING EXIST FLOOR SLAB TO FLATNESS LEVEL REQUIRED TO ACHIEVE LEVEL TILE FLOOR. (REFER TO SPECIFICATION SECTION 09-30-00 & 03-54-16).
4. ALL FLOOR TILE JOINTS (MAX. 1/8" THICK) TO ALIGN WITH GENERAL RETAIL AREA FLOOR TILE JOINTS.
5. ALL WALL BASE TO RECEIVE ALUMINUM TILE TRIM. REFER TO WALL BASE DETAIL, THIS PAGE.
6. FLOORING SUBTRADE TO 'DOUBLE-BUTTER' (APPLY ONE LAYER OF MORTAR TO TILE AND AN ADDITIONAL LAYER OF MORTAR TO SLAB) ALL STRENGTH OF FLOOR TILE.
7. REFER TO SPECIFICATIONS FOR A LIST OF PREFERRED FLOORING INSTALLERS.
13. GC TO PROVIDE 4" H. x 12" TILE WALL BASE (CUT FROM FIN. NO. 42) TO ALL EXPOSED PERIMETER WALLS AND COLUMNS AS PER INTERIOR ELEVATIONS FOR RETAIL AREAS AND OFFICE AREA.
14. NO WALL BASE IN JANITOR ROOM, PROVIDE CONT. ANTIBACTERIAL SEALANT AT BASE OF CEMENT BOARD AND FIN. FLOOR.
15. THE EXISTING FLOOR SLAB WILL BE FLAT TO FF50 AND FL50, 72 HOURS AFTER POUR, PROVIDE ANY SELF-LEVELING REQUIRED TO INSTALL TILES TO MEET SPECIFIED FLATNESS TOLERANCES.
16. PROVIDE ON-SITE PAINTED CAUTION ZONES (SOLID PAINTED AREA) WHERE INDICATED ON DWGS. PAINT SHALL BE ARMOURSEAL 8100 BY SHERWIN WILLIAMS (COLOUR: SAFETY YELLOW. FINISH: SATIN). CLEAN, DULL AND LET DRY AREAS TO BE PAINTED PRIOR TO COATING. TEST FOR POROSITY BEFORE PAINTING – MIST WATER ON SURFACE. WATER MUST PENETRATE, NO WATER BEADING SHOULD BE EVIDENT.
ALSO REFER TO SPECIFICATIONS SECTION 09 91 00.1.
17. G.C. TO ENSURE THAT ANY TILED FLOOR AREAS WITH FLOOR DRAINS HAVE A MINIMUM OF 2% SLOPE TO DRAIN. G.C. MUST VERIFY THE EXISTING FLOOR FLATNESS AND ACCOMMODATE DURING THE TILE INSTALLATION. G.C. TO DEMONSTRATE CORRECT SLOPE AND DRAINAGE WITH LCBO COORDINATOR AFTER TILE WORK IS COMPLETE.



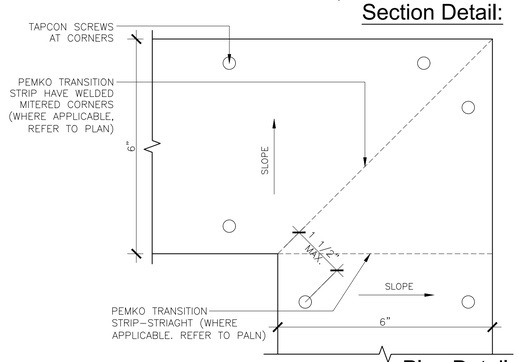
Section Detail: Tile to Tile Transition — 5 / A1.05
Scale: 1'=1'-0"



Typical Floor Tile Pattern 30/70 — 4 / A1.05
Scale: 3/4"=1'-0"



Section Detail:

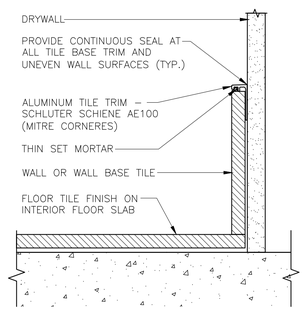


Plan Detail:

TRANSITION STRIP NOTES:

A. GC TO SUBMIT SHOP DRAWINGS AND SAMPLES FOR LCBO APPROVAL PRIOR TO INSTALLATION. ENSURE SURFACE TREATMENT PROVIDES HIGH SLIP COEFFICIENT.
B. GC TO ENSURE STABILITY OF TRANSITION FIXATION METHOD TO WITHSTAND WEIGHT OF WAREHOUSE EQUIPMENT.
C. GC TO ENSURE STEEL GAUGE WILL NOT BEND UNDER MAXIMUM LOADING REQUIREMENTS.

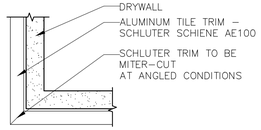
Details: Transition Strip — 3 / A1.05
Scale: 6"=1'-0"



Section Detail:

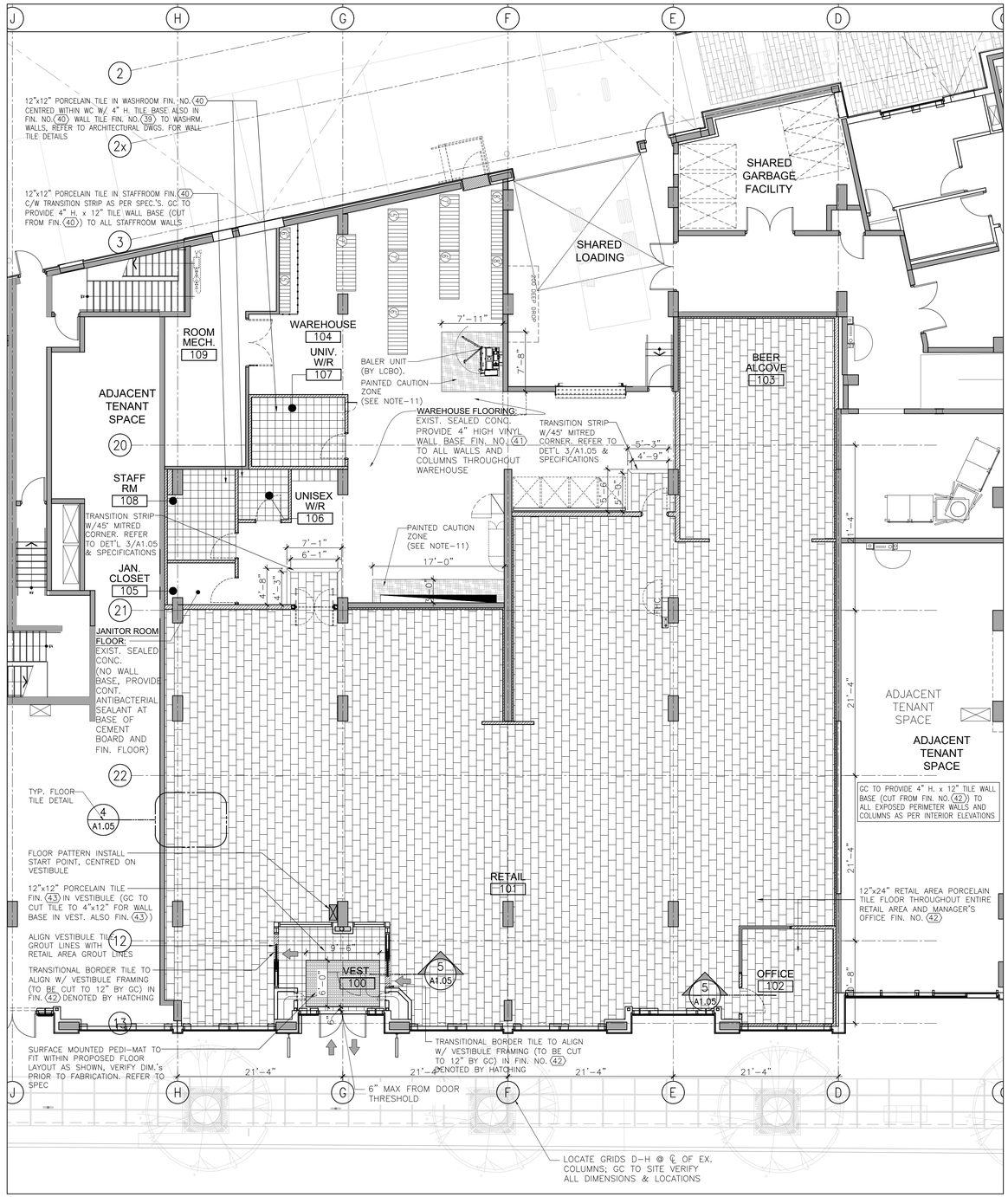
NOTE:

RETURN STAINLESS STEEL/ALUMINUM TILE TRIM AT ALL EXPOSED TILE EDGES. (BEND TRIM TO ACCOMMODATE RETURN.)



Plan Detail:

Trim Details @T/O Tiles, Typ. — 2 / A1.05
Scale: 6"=1'-0"



Floor Finishes Plan — 1 / 1.05
Scale: 1/8"=1'-0"

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FIORINO DESIGN INC.
136 Dupont Street
Toronto, Ontario
M5R 1V2
Tel: 416-929-7140
Fax: 416-929-4298

Context Plan



General Notes

1. ALL DIMENSIONS IN IMPERIAL.
2. VERIFY ALL DIMENSIONS.
3. DO NOT SCALE DRAWINGS.
4. CHECK DRAWINGS AGAINST SPECIFICATIONS.
5. USE THE LATEST REVISED DRAWINGS ONLY.
6. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SCHEDULES, DISCOVERED ERRORS, OR OMISSIONS, TO THE ARCHITECT AND LCBO DURING TENDER PERIOD AND BEFORE PROCEEDING WITH ANY WORK.
7. DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT, AND MUST BE RETURNED UPON COMPLETION OF WORK.
8. TO VIEW A LIST OF BIDDERS FOR THIS PROJECT, PLEASE GO TO: WWW.BIDDINGO.COM/LCBO

TRUE NORTH
PROJECT N

Rev.	Date	Description	Initial
7	2020-08-25	Issued for Tender	LG
6	2020-08-14	Re-Issued for Permit	LG
5	2019-12-09	Issued for Permit	LG
4	2019-09-05	Issued for 100% Design Review	LG
3	2019-07-15	Issued for 90% Design Review	LG
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1	2019-05-07	Issued for 30% Design Review	LG

Tender
Issued for:
2020-08-25
Issue Date

Project No.	Scale	Drawn by	Checked by
120707	1/8" = 1'-0"	LG	VG

LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project
Floor Finishes Plan

Drawing Title
A1.05
Sheet No.

LEGEND:

DENOTES TYPICAL DISPLAY BASKETS (N.I.C.) SUPPLIED BY LCBO

GENERAL NOTES AND LEGEND:

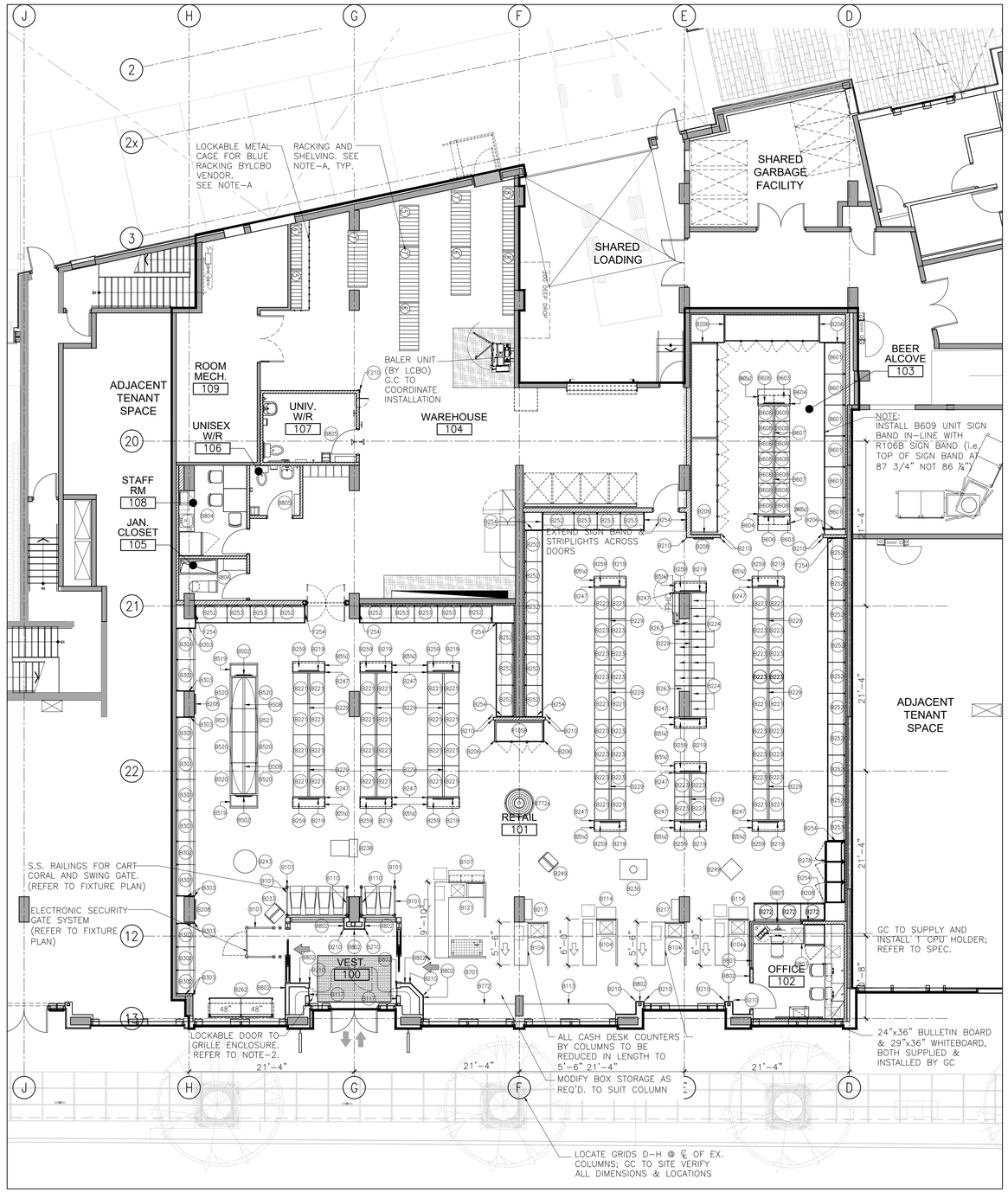
1. REFER TO STANDARD DETAIL'S ISSUANCE #16.
2. DOOR TO GRILLE ENCLOSURE TO BE LOCKABLE W/ PT. FIN. NO. 21A ON CONTINUOUS PIANO HINGE W/ 6" H. STAINLESS STEEL KICK PLATE. PROVIDE (1) CLEAR ANODIZED HANDLE BY HAFELE CAT# 124.02.920. HANDLE TO BE MOUNTED AT 40" A.F.F. LOCK TO BE RECESSED IN METAL KICK PLATE.
3. PROVIDE METAL CORNER GUARDS (AT 4'-0" HIGH) TO ALL OUTSIDE CORNERS IN WAREHOUSE AREA AS SHOWN ON PARTITION PLAN.

MILLWORK/SIGNAGE/REFRIGERATION/METAL SHELVING/WAREHOUSE RACKING NOTES:

A. ALL MILLWORK, LIFT TABLE, METAL SHELVING, SIGNAGE, REFRIGERATION, RACKING AND PAINTED WIRE MESH STEEL CAGE IN STEEL FRAMING SUPPLIED AND DELIVERED BY LCBO. FIT-UP G.C TO COORDINATE INSTALLATION WITH RESPECTIVE VENDORS.

NOTE: SEISMIC RESTRAINT: (THIS STORE IS LOCATED WITHIN A SEIMIC ZONE):

- G.C TO SUBMIT P.ENG STAMPED DRAWINGS WITH RESPECT TO SEISMIC RESTRAINTS FOR:
  - -SUSPENDED CEILINGS AND OTHER ATTACHMENTS TO CEILINGS WITH INDEPENDENT VERTICAL SUPPORT.
  - -FIXTURES.
- ALSO REFER TO SPECIFICATIONS AND STRUCTURALL, MECHANICAL, ELECTRICAL AND COLDROOM DRAWINGS FOR ADDITIONAL SEISMIC REQUIREMENTS
- LCBO EQUIPMENT VENDOR TO SUBMIT P.ENG STAMPED DRAWINGS WITH RESPECT TO SEISMIC RESTRAINTS FOR WAREHOUSE PALLET RACKING.



Itemization Plan

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

1.06

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Context Plan



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TRUE NORTH

PROJECT N

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Issued for: Tender

Issue Date: 2020-08-25

Project No.	Scale	Drawn by	Checked by
120707	1/8" = 1'-0"	LG	VG

LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project: Fixture & Millwork Itemization Plan

Drawing Title

Sheet No. A1.06

PLOT DATE: 8/25/2020 3:47:36 PM

ITEM #	DETAIL TITLE	QTY.	WORK BY:
	B100 CHECK-OUT AREA/VESTIBULE		
B101	CART CORAL	AS REQ'D.	GC
B102	VESTIBULE COAT STORAGE	–	MW
B103	WINDOW SILL DETAIL	AS REQ'D.	MW
B104	CASH/CHECK-OUT DESK W/ GLASS PARTITION & BASKET WELL	3	MW
B104a	CASH/CHECK-OUT DESK W/ BASKET WELL	1	
B106	'U'-SHAPED CASH/CHECK-OUT DESK W/ BASKET WELL	–	MW
B107	MERCHANDISER FOR U-SHAPED CASH DESK	1	MW
B108	RESERVED		
B109	'U'-SHAPED CUSTOMER SERVICE DESK W/ BASKET WELL	–	MW
B110	INFORMATION BOARD	2	MW
B111	DOUBLE-SIDED CORK BOARD	–	MW
B112	FREE-STANDING BOX STORAGE	–	MW
B113	BOX STORAGE	AS REQ'D.	MW
B114	CASH DESK MERCHANDISER – TYPE 2	2	MW
B115-B116	RESERVED		
B117	GRILLE ENCLOSURE POCKET DOOR PANEL DETAIL	2	MW
B119	LIFT DESK FOR TYP. SINGLE CASH DESK B104 – CLIENT TO CONFIRM DETAIL	2	MW
B121	'L'-SHAPED CASH/SAME DAY PICK-UP DESK W/ BASKET WELL & ADJUSTABLE CASH LIFT	1	MW
	B200 GENERAL LIST		
B201	4'-0" PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL & METAL TICKET MOULDINGS	–	SS/GC/MW
B202	3'-0" PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL & METAL TICKET MOULDINGS	–	SS/GC/MW
B203	PERIMETER SHELVING GABLE/FILLER PANEL	–	MW
B204-B205	RESERVED		
B206	REFRIGERATION GABLE/FILLER PANEL	8	MW
B207	2'-0" PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL & METAL TICKET MOULDINGS	–	SS/GC/MW
B208	TYPICAL P.O.P. FRAME DETAILS	4	MW
B209	RESERVED		
B210	2" x 2" x 32" METAL CORNER GUARD	16	MW
B211	U'-SHAPED METAL CORNER (36" HIGH W/ 1 1/4" RETURNS)	–	MW
B212-B213	RESERVED		
B214	PRODUCT RISER (TYPE A)	14	MW
B215	PRODUCT RISER (TYPE B)	7	MW
B216	RESERVED		
B217	WALL MTD. GIFT CARD ECO BAG FIXTURE	2	MW
B218	RESERVED		
B219	REMOVABLE GONDOLA P.O.P FRAME	14	MW
B220	RESERVED		
B221	4'-0" GONDOLA (3 SHELVES) C/W METAL TICKET MOULDINGS	36	SS
B222	RESERVED		
B223	3'-0" GONDOLA (3 SHELVES) C/W METAL TICKET MOULDINGS	28	SS
B224	2'-0" CONVERTIBLE GONDOLA (3 SHELVES) C/W METAL TICKET MOULDINGS	12	SS
B225	2'-0" CONVERTIBLE GONDOLA (4 SHELVES) C/W METAL TICKET MOULDINGS	–	SS
B226	RESERVED		
B227	4'-0" GONDOLA (4 SHELVES) C/W METAL TICKET MOULDINGS	–	GC
B228	3'-0" GONDOLA (4 SHELVES) C/W METAL TICKET MOULDINGS	–	GC
B229	GONDOLA CATEGORY SIGN	14	MW
B230-B231	RESERVED		MW
B232	4-HIGH GONDOLA CATEGORY SIGN	–	MW
B233	FOOD & DRINK STAND	1	MW
B234	'A'-FRAME FIXTURE	1	MW
B235	RESERVED		
B236	PORTABLE TASTING BAR	1	MW
B237	'IMPULSE' FIXTURE	–	MW
B238	'DEAL OF THE WEEK' FIXTURE	1	MW
B239	4'-0" PROMO TABLE	–	MW
B240	3'-3" MARKETPLACE DISPLAY TABLE	–	MW
B241	NESTING TABLES	–	MW
B242	5'-0" NESTING TABLE	–	MW
B243	3'-0" DIA. ENTRANCE TABLE	1	MW
B244	DOUBLE-SIDED GIFT/SPIRITS FIXTURE W/ METAL SHELVES (ILLUMINATED) (7'-6" H.)	–	GC/SS
	RESERVED		
B247	GONDOLA METAL END CAP PANEL (54" HIGH)	14	SS
B248	RESERVED		
B249	GIFT PACKAGING FIXTURE	1	MW
B250	RESERVED		
B251	GONDOLA END METAL DISPLAY SHELVES W/ METAL TICKET MOULDING (TYPE B)	28	SS
B252	4'-0" PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL & METAL TICKET MOULDINGS (7'-10" H.)	23	SS/GC/MW
B253	3'-0" PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL & METAL TICKET MOULDINGS (7'-10" H.)	9	SS/GC/MW
B254	PERIMETER SHELVING GABLE/FILLER PANEL (7'-10" H.)	14	MW
	RESERVED		
B257	2'-0" PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL & METAL TICKET MOULDINGS (7'-10" H.)	–	SS/GC/MW
B258	RESERVED		
B259	METAL PLINTH (16" DEEP)	14	GC
B260	RESERVED		

ITEM #	DETAIL TITLE	QTY.	WORK BY:
	B200 GENERAL LIST (CONT'D.)		
B261	METAL GONDOLA PROMO END	–	GC/MW
B261a	METAL GONDOLA PROMO END W/ ILLUMINATED TRANS. BOX	–	GC
B262	DOUBLE-SIDED GIFT/SPIRITS FIXTURE W/ METAL SHELVES (ILLUMINATED) (7'-10" H.)	–	GC/SS
B263	MILLWORK ENCLOSURES AROUND BASE-BLDG COLUMNS AT GONDOLAS	8	MW
B264-B266	RESERVED		
B267	PERIMETER COLUMN FEATURE (REFER TO PLAN)	1	MW
B268	1-MODULE GENERAL LIST PERIMETER LOCKABLE DISPLAY (7'-6" H.)	–	MW
B269	2-MODULE GENERAL LIST PERIMETER LOCKABLE DISPLAY (7'-6" H.)	–	MW
B270	3-MODULE GENERAL LIST PERIMETER LOCKABLE DISPLAY (7'-6" H.)	–	MW
B271	3-HIGH 48" PERIMETER METAL SHELVING UNIT W/ WOOD TICKET MOULDING	1	SS
B272	3-HIGH 36" PERIMETER METAL SHELVING UNIT W/ WOOD TICKET MOULDING	2	SS
B273	3-HIGH 24" PERIMETER METAL SHELVING UNIT W/ WOOD TICKET MOULDING	–	SS
B274-B275	RESERVED		
B276	1-MODULE GENERAL LIST PERIMETER LOCKABLE DISPLAY (7'-10" H.)	–	MW
B277	2-MODULE GENERAL LIST PERIMETER LOCKABLE DISPLAY (7'-10" H.)	–	MW
B278	3-MODULE GENERAL LIST PERIMETER LOCKABLE DISPLAY (7'-10" H.)	1	MW
B279	METAL GONDOLA END (NARROW) – GENERAL LIST	–	SS
B280	3-HIGH 4'-0" METAL FLOOR GONDOLA (NARROW) – GENERAL LIST	–	SS
B281	3-HIGH 3'-0" METAL FLOOR GONDOLA (NARROW) – GENERAL LIST	–	SS
B282	3-HIGH 2'-0" CONVERTIBLE FLOOR GONDOLA (NARROW) – GENERAL LIST	–	SS
B283	4-HIGH 4'-0" METAL FLOOR GONDOLA (NARROW) – GENERAL LIST	–	SS
B284	4-HIGH 3'-0" METAL FLOOR GONDOLA (NARROW) – GENERAL LIST	–	SS
B285	4-HIGH 2'-0" CONVERTIBLE FLOOR GONDOLA (NARROW) – GENERAL LIST	–	SS
B286	DOUBLE-SIDED GIFTS/SPIRITS FIXTURE W/ FRONT & BACK CANOPY ILLUMINATION	1	GC/SS
B287	DOUBLE-SIDED GIFTS/SPIRITS FIXTURE W/ FRONT CANOPY ILLUMINATION	–	GC/SS
	B300 VINTAGES		
B301	4'-0" VINTAGES PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL	7	SS/GC/MW
B302	3'-0" VINTAGES PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL	4	SS/GC/MW
B303	VINTAGES PERIMETER SHELVING GABLE/FILLER PANEL	9	MW
B304-B305	RESERVED		
B306	VINTAGES CONSULTANT'S DESK	–	MW
B307	VINTAGES THC UNIT	–	GC
B308-B336	RESERVED		
B337	VINTAGES REMOVABLE GONDOLA P.O.P. FRAME	–	MW
B338	VINTAGES METAL PLINTH (16" DEEP)	–	SS
B339	VINTAGES 3-HIGH METAL GONDOLA END CAP PANEL	–	SS
B340	VINTAGES GONDOLA METAL END DISPLAY SHELVES	–	SS
B341	VINTAGES 4'-0" GONDOLA (3 SHELVES)	–	SS
B342	VINTAGES 3'-0" GONDOLA (3 SHELVES)	–	SS
B343	VINTAGES 2'-0" CONVERTIBLE GONDOLA (3 SHELVES)	–	SS
B344	VINTAGES 4'-0" GONDOLA (4 SHELVES)	–	SS
B345	VINTAGES 3'-0" GONDOLA (4 SHELVES)	–	SS
B346	VINTAGES 2'-0" CONVERTIBLE GONDOLA (4 SHELVES)	–	SS
B347	3-HIGH VINTAGES GONDOLA CATEGORY SIGN	–	MW
B348	4-HIGH VINTAGES GONDOLA CATEGORY SIGN	–	MW
B349	METAL GONDOLA END (NARROW) – VINTAGES	–	SS
B350	3-HIGH 4'-0" METAL FLOOR GONDOLA (NARROW) – VINTAGES	–	SS
B351	3-HIGH 3'-0" METAL FLOOR GONDOLA (NARROW) – VINTAGES	–	SS
B352	4-HIGH 4'-0" METAL FLOOR GONDOLA (NARROW) – VINTAGES	–	SS
B353	4-HIGH 3'-0" METAL FLOOR GONDOLA (NARROW) – VINTAGES	–	SS
B354	2'-6" VINTAGES PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL	–	SS/MW
B355	3-HIGH 48" VINTAGES PERIMETER METAL SHELVING UNIT W/ WOOD TICKET MOULDING	–	SS
B356	3-HIGH 36" VINTAGES PERIMETER METAL SHELVING UNIT W/ WOOD TICKET MOULDING	–	SS
B357	3-HIGH 24" VINTAGES PERIMETER METAL SHELVING UNIT W/ WOOD TICKET MOULDING	–	SS
B358	1-MODULE VINTAGES PERIMETER LOCKABLE DISPLAY	–	GC/MW
B359	2-MODULE VINTAGES PERIMETER LOCKABLE DISPLAY	–	GC/MW
B360	3-MODULE VINTAGES PERIMETER LOCKABLE DISPLAY	–	GC/MW
B361	RESERVED		
B362	VINTAGES 4-HIGH METAL GONDOLA END CAP PANEL	–	SS
B363	VINTAGES DOUBLE-SIDED FIXTURE W/ FRONT LED CANOPY ILLUMINATION	–	SS
B364	VINTAGES DOUBLE-SIDED FIXTURE W/ FRONT & BACK LED CANOPY ILLUMINATION	–	SS
	B400 SERIES		

ITEM #	DETAIL TITLE	QTY.	WORK BY:
	B500 VQA		
B501	RESERVED		
B502	VQA REMOVABLE GONDOLA P.O.P. FRAME	2	MW
B503-B505	RESERVED		
B506	VQA GONDOLA SIGNAGE – TYPE A (4-HIGH)	–	MW
B507	RESERVED		
B508	VQA GONDOLA SIGNAGE – TYPE B (4-HIGH)	2	MW
B509-B516	RESERVED		
B517	VQA GONDOLA SIGNAGE – TYPE A (3 HIGH)	–	MW
B518	VQA GONDOLA SIGNAGE – TYPE B (3-HIGH)	–	MW
B519	4-HIGH VQA METAL GONDOLA END	2	SS
B520	4-HIGH 4'-0" METAL FLOOR GONDOLA	6	SS
B521	4-HIGH 3'-0" METAL FLOOR GONDOLA	2	SS
B522	3-HIGH VQA METAL GONDOLA END	–	SS
B523	3-HIGH 4'-0" METAL FLOOR GONDOLA	–	SS
B524	3-HIGH 3'-0" METAL FLOOR GONDOLA	–	SS
	B600 WALK-IN COLDROOM		
B601	4'-0" WALK-IN COLDRM PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL	6	SS/GC
B602	3'-0" WALK-IN COLDRM PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL	–	SS/GC
B603	WALK-IN COLDROOM END PLINTH	2	SS
B604	WALK-IN COLDROOM END CAP PANEL	2	SS
B605	WALK-IN COLDROOM GONDOLA END DISPLAY SHELVES	4	SS
B606	GONDOLA REMOVABLE P.O.P FRAME	2	SS
B606a	WALK-IN COLDROOM GONDOLA W/ ILLUMINATED P.O.P. FRAME	–	SS/GC
B607	WALK-IN COLDROOM GONDOLA CATEGORY SIGN	2	SS
B608	WALK-IN COLDROOM CONVERTIBLE GONDOLA (4 SHELVES) C/W METAL TICKET MOULDINGS	14	SS
B609	2'-0" WALK-IN COLDRM PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL	–	SS/GC
B610	WALK-IN COLDROOM WALL FIXTURE METAL END GABLES	–	SS
B611	WALK-IN COLDROOM PERIMETER SIGN BAND/WALLPAPER CHANNEL	–	SS
B612	WALK-IN COLDROOM DOUBLE-SIDED COOLER SHELVING	–	GC
B613	WALK-IN COLDROOM HALF PALLET DISPLAY	–	SS
B614	WALK-IN COLDROOM DOUBLE-SIDED COOLER SHELVING MILLWORK FASCIA	–	MW
B615	WALK-IN COLDROOM 'CRAFT BEER' CANOPY & SIGN HOLDER	–	SS
	B700 SPECIALTY/PROTOTYPE/ATYPICAL		
B701	3-IN-1 SIT STAND STOOL	1	GC
B702-B721	RESERVED		
B722	'CELEBRATION' FIXTURE W/ LED ILLUMINATION	–	GC/SS
B722a	'CELEBRATION' FIXTURE (NON-ILLUMINATED)	1	SS
B723-B764	RESERVED		
B765	STAFF ROOM DVD SHELF	–	MW
B771	'PICK-UP' COUNTER W/ ADJ. CASH LIFT	–	MW
B772	'PICK-UP' LOW LOCKABLE STORAGE	1	MW
B773	WALL MOUNTED GIFT FIXTURE	–	MW
	B800 OFFICE/SERVICES		
B801	OFFICE GLAZING	AS REQ'D.	MW/GC
B802	TYPICAL OFFICE & WAINSCOTING DETAIL	AS REQ'D.	MW
B803	MANAGER'S OFFICE MILLWORK	AS REQ'D.	MW
B804	STAFF LUNCH ROOM MILLWORK W/ EYE WASH STATION	AS REQ'D.	MW
B805	WASHROOM STORAGE CABINET	2	MW
B806	JANITOR'S ROOM SHELVING UNIT	1	GC
B807-B811	RESERVED		
B812	OFFICE DOOR W/ GLASS INSERT	–	MW/GC
	S100B SIGNAGE/GRAPHICS		
S101B-S102B	RESERVED		
S103B	SUSPENDED PLEXI-GLASS 'SERVICE' SIGN		SV
ES126	SUSPENDED 'VINTAGES' RING SIGNAGE W/ ILLUMINATED CHANNEL LETTERS	1	SV
	R100B REFRIGERATION		
R101B-R103B	RESERVED		
R104B	PERIMETER WINE REFRIGERATION C/W CONTINUOUS P. LAM. FASCIA PANEL & COOLER DOORS (IN GENERAL PURCHASE AREA)	–	GC/MW
R105B	PERIMETER WINE REFRIGERATION C/W CONTINUOUS METAL FASCIA PANEL & COOLER DOORS (WITHIN BEER ALCOVE)	3	GC
R106B	PERIMETER BEER REFRIGERATION C/W CONTINUOUS METAL FASCIA PANEL & COOLER DOORS	6	GC

NOTE:

G.C. IS RESPONSIBLE FOR SUPPLY, INSTALLATION AND CO-ORDINATION OF ALL ITEMS ON THE DETAIL LIST

SS = SHELVING SUPPLIER
GC = GENERAL CONTRACTOR
MW = MILLWORK CONTRACTOR
SV = SIGN VENDOR

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Context Plan



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1	2019-05-07	Issued for 30% Design Review	LG

Issued for: Tender

Issue Date: 2020-08-25

Project No.	Scale	Drawn by	Checked by
120707	N.T.S	LG	VG

LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project

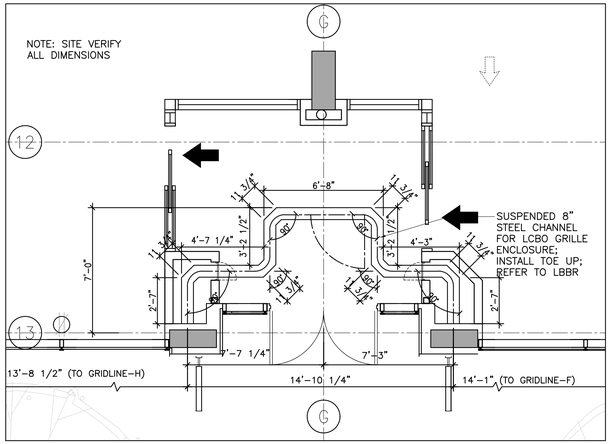
Fixture & Millwork Itemization Legend

Drawing Title

A1.07

Sheet No.

FILE LOCATION:



Security Grille Support Detail

Scale: 1/4"=1'-0" — 6 / A1.08

GENERAL NOTES:

- ALL CONTRACT DOCUMENT DRAWINGS ARE TO BE READ IN CONJUNCTION TOGETHER WITH EACH OTHER. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT FOR CONSULTATION.
- BIDDING GENERAL CONTRACTORS AND SUB TRADES MUST ATTEND MANDATORY SITE MEETING SCHEDULED BY LCBO COORDINATOR FOR Q&A SESSION AT TENDER PHASE.
- ALL WORK, SOURCING, SUPPLY, AND INSTALLATION TO BE NEW AND BY GC UNLESS NOTED OTHERWISE.

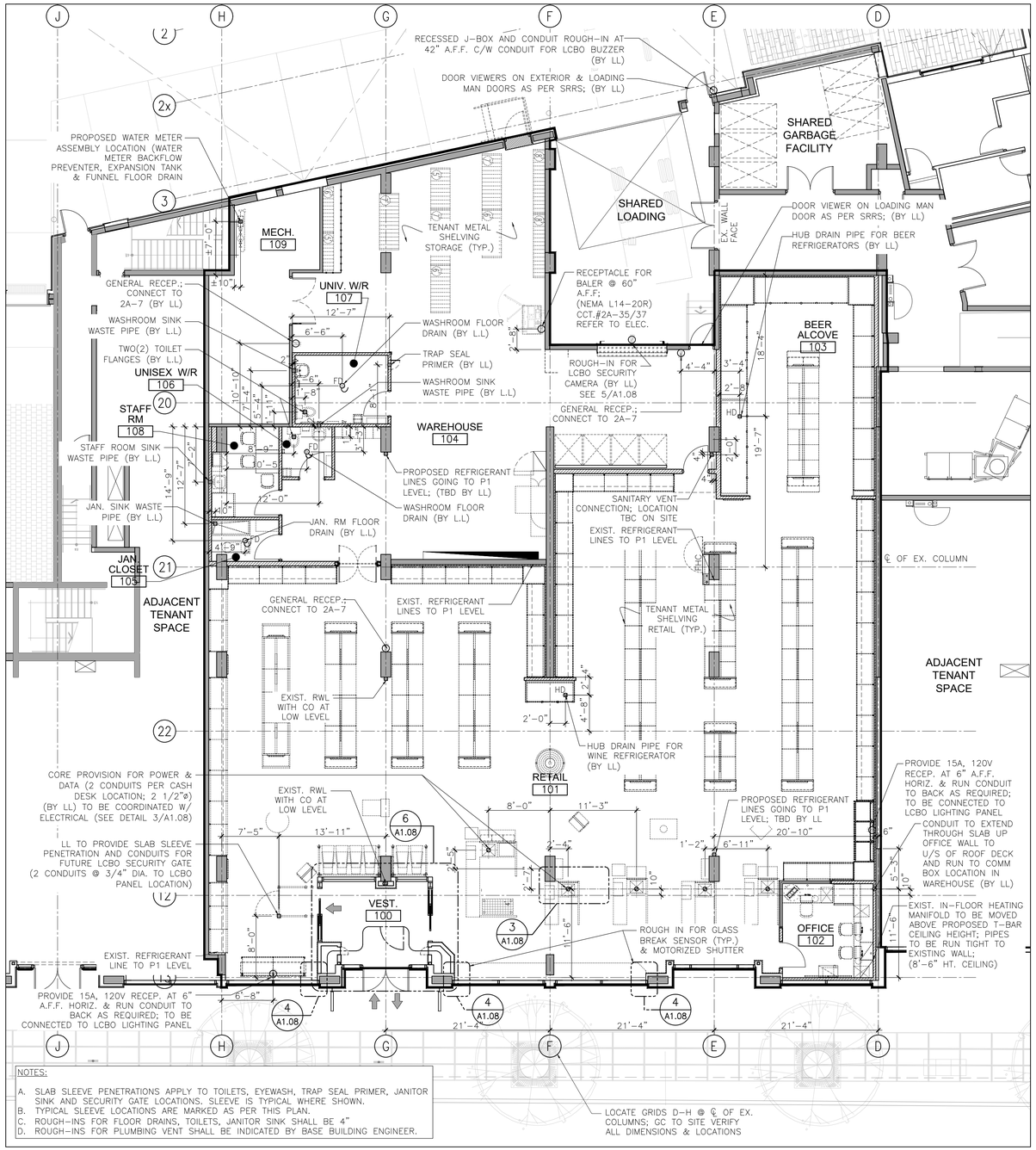
ABBREVIATIONS: FFD:FUNNEL FLOOR DRAIN; FD: FLOOR DRAIN; HB: HUB DRAIN; RL: REFRIGERATION LINE (CORE ONLY)

LEGEND: DENOTES BASE BUILDING WORK.

NOTES:

1. WORK ON THIS SHEET IS BY BASE BUILDING CONTRACTOR (UNLESS NOTED OTHERWISE), AND IS FOR REFERENCE OF THE FIT-OUT GC.
2. WALKER DUCT ROUTE OUTLINE ON THIS DRAWING IS DIAGRAMMATIC, THE LANDLORD G.C SHALL CONFIRM SITE CONDITIONS TO PRIOR TO INSTALLATION.
3. LOCATIONS OF ALL IN-FLOOR SERVICES MUST BE SITE VERIFIED BY THE LCBO PRIOR TO POURING THE FLOOR SLAB.
4. ALL VOIDS TO BE FILLED BY LCBO G.C
5. ALL PIPES SHOWN IN WALLS TO BE CENTERED ON WALL.
7. ANY PIPES, DUCTS, CONDUITS, WIRING PENETRATING THE FIRE STOP ASSEMBLY SHALL BE CAULKED WITH FIRE STOP SEAL
8.
9. GC TO PROVIDE DRAWING(S) LOCATING ANY ADDITIONAL CORING REQUIRED AND OBTAIN APPROVAL FROM LANDLORD BEFORE CARRYING OUT ANY ADDITIONAL CORING WORK. ANY ADDITIONAL / UNFORESEEN SCANNING & CORING REQUIRED TO FULFILL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL BE INCLUDED IN THE ORIGINAL TENDERED PRICE. IT IS THE GC'S RESPONSIBILITY TO REVIEW THE EXISTING SITE CONDITIONS AND ALLOW FOR ANY ADDITIONAL CORING / SCANNING REQUIRED.
10. A. ALL FLOOR DRAINS AND CLEANOUTS IN WASHROOMS OR OTHER TILED AREAS TO BE RAISED 1/2" ABOVE SLAB TO COORDINATE WITH FLOOR TILE INSTALL AND HAVE SQUARE SHAVED COVERS (WASHROOM, STAFF ROOM, RETAIL). SET DRAIN/CLEANOUT TO MID-POINT OF THREADED ADJUSTMENT RANGE TO ALLOW FOR FINE ADJUSTMENT BY FIT-UP TRADE.

    B. FLOOR DRAIN(S) AND CLEANOUT(S) IN JANITOR ROOM AND WAREHOUSE (ALL AREAS FOR CONCRETE FINISH FLOOR) TO BE SET FLUSH WITH THE T/O CONCRETE SLAB.
11. LANDLORD TO PROVIDE HORIZONTAL AND VERTICAL CONTROL JOINTS ON ALL PERIMETER WALLS WHERE A WALL OR PARTITION RUNS IN AN UNINTERRUPTED STRAIGHT PLANE EXCEEDING 30 LINEAR FEET. VERTICAL JOINTS TO BE BEHIND SECURITY SHUTTER GUIDES AND HORIZONTAL CONTROL JOINTS AT 6" BELOW OWSJ.
12. PROVIDE 3/4" ø CONDUIT FOR FUTURE GLASS BREAK SENSOR WITHIN WALL SHOWN BEYOND WINDOW JAMB, ENTERING/EXITING WALL CAVITY TO AVOID STEEL STRUCTURE HEADER AS REQUIRED, SEAL ALL AIR BARRIER PENETRATIONS, NO BEND IN CONDUIT LESS THAN 135°. PROVIDE 3/4"ø CONDUIT FOR FUTURE LCBO MOTORIZED SECURITY SHUTTER, MOUNT JUNCTION BOX 24" FROM EDGE OF DRYWALL WINDOW OPENING.

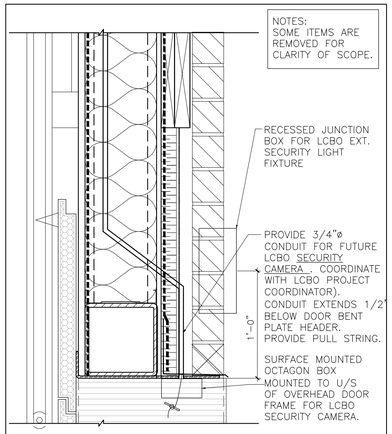


NOTES:

A. SLAB SLEEVE PENETRATIONS APPLY TO TOILETS, EYEWASH, TRAP SEAL PRIMER, JANITOR SINK AND SECURITY GATE LOCATIONS. SLEEVE IS TYPICAL WHERE SHOWN.
B. TYPICAL SLEEVE LOCATIONS ARE MARKED AS PER THIS PLAN.
C. ROUGH-INS FOR FLOOR DRAINS, TOILETS, JANITOR SINK SHALL BE 4"
D. ROUGH-INS FOR PLUMBING VENT SHALL BE INDICATED BY BASE BUILDING ENGINEER.

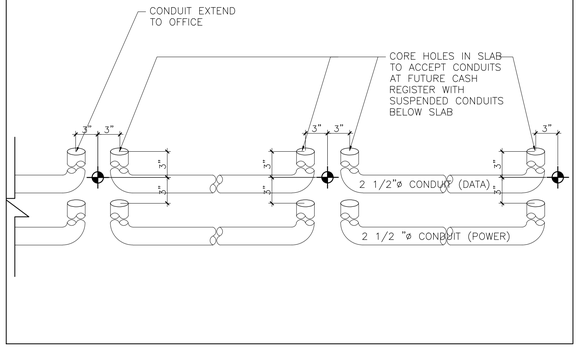
Coordination Plan

Scale: 1/8"=1'-0" — 1 / 1.08



Rough in for Security Camera

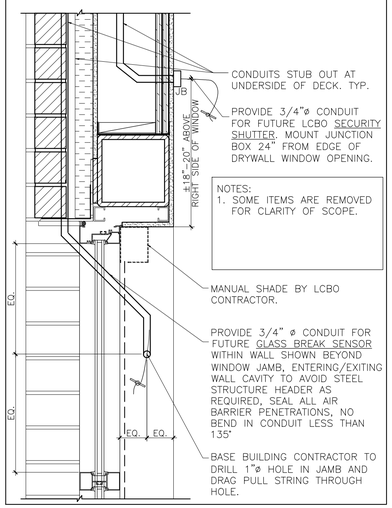
Scale: 1 1/2"=1'-0" — 5 / A1.08



Conduit Penetrations @ Cash Desk

Scale: 1 1/2"=1'-0" — 3 / A1.08

DETAIL REMOVED



Rough in for Glass Break Sensor

Scale: 1 1/2"=1'-0" — 4 / A1.08

DETAIL REMOVED

Section Detail

Scale: 6"=1'-0" — 7 / A1.08

Plan Detail:Conduit for Security Gate

Scale: 3/4"=1'-0" — 2 / A1.08

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TRUE NORTH
PROJECT N

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Tender
Issued for:
2020-08-25
Issue Date

Project No.	Scale	Drawn by	Checked by
120707	AS NOTED	LG	VG

LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project
Base Building Services Coordination Plan

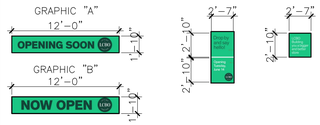
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A1.08

Sheet No.

TEMPORARY VINYL GRAPHIC: OPENING SOON / NOW OPEN:

TEMPORARY ENTRANCE GRAPHIC: DOOR GRAPHIC:

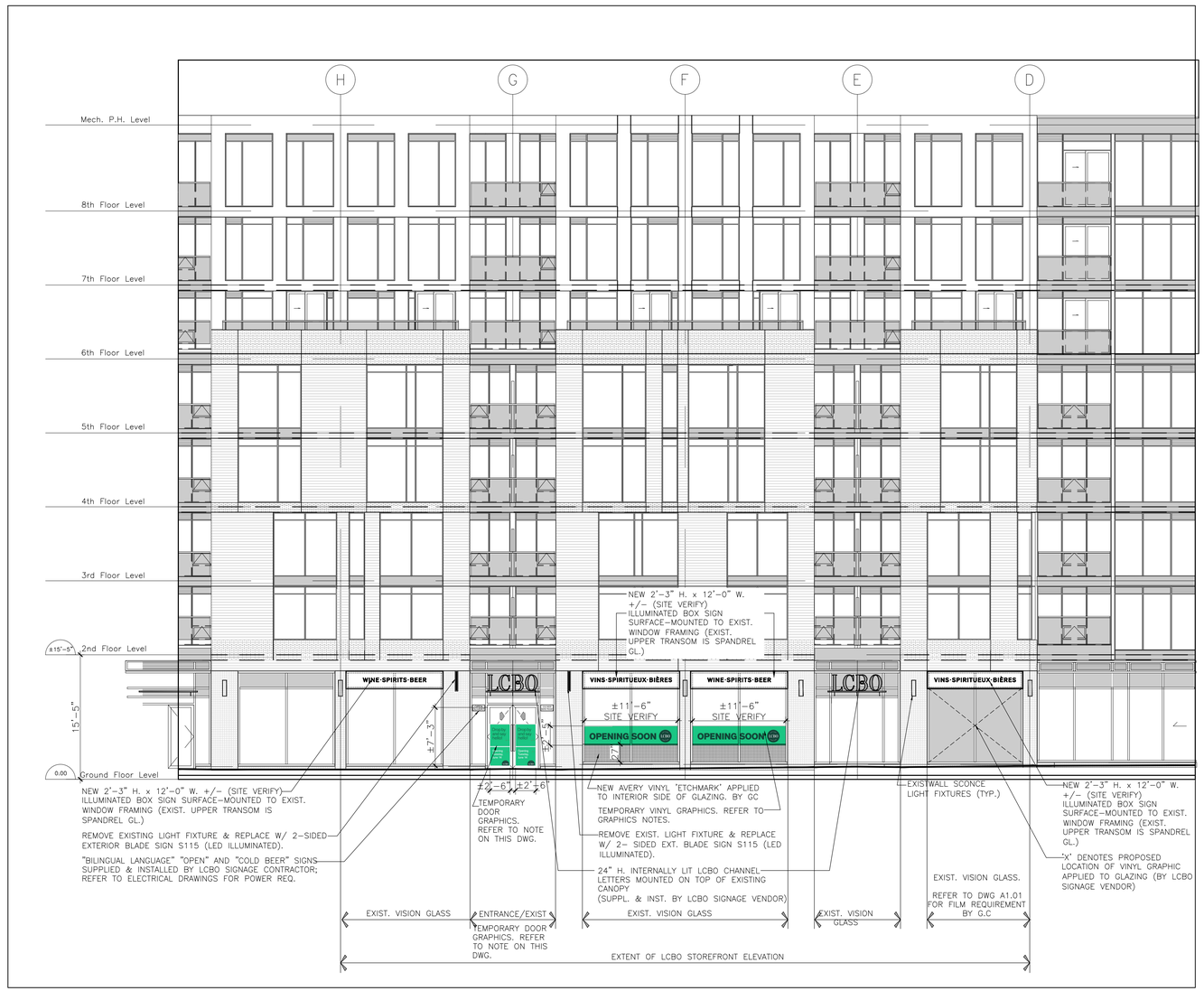


TEMPORARY BANNERS AND DOOR GRAPHICS NOTES:

- ALL EXTERIOR GRAPHICS TO BE SUPPLIED BY LCBO AND INSTALLED BY LCBO SIGN CONTRACTOR.
- SIGNAGE CONTRACTOR TO REVIEW AND CONFIRM ZONING BYLAWS FOR TEMPORARY SIGNS WITH THE MUNICIPALITY.
- SIGN CONTRACTOR TO APPLY AND PAY FOR ALL REQUIRED PERMITS.
- SIGN CONTRACTOR SHALL SUPPLY AND INSTALL "OPENING SOON" BANNER AS SOON AS POSSIBLE.
- PROVIDE AND ERECT SIGNS ONE WEEK PRIOR TO COMMENCING WORK ON SITE.
- ON THE MORNING OF THE STORE OPENING (CONFIRM DATE WITH PROJECT COORDINATOR), SIGN CONTRACTOR TO RETURN TO SITE TO TURN BANNER TO THE "NOW OPEN" SIDE BEFORE 8:00AM.
- SIGN CONTRACTOR TO RETURN 30 DAYS AFTER OPENING TO REMOVE BANNER AND TURN OVER TO STORE MANAGER.
- SIGN CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR LCBO REVIEW AND APPROVAL.
- PROVIDE 2 BANNERS OF EACH SIGN TYPE
- SIGNAGE CONTRACTOR TO CONFIRM THAT EXTERIOR BANNERS PROVIDED BY LCBO ARE APPROVED BY THE CITY/MUNICIPALITY.
- TEMPORARY BANNER SIGNS TO BE ATTACHED AT BRICK MORTAR JOINTS ONLY.
- DATE OF STORE GRAND OPENING VARIES DEPENDING ON STORE.
- AVOID SEAMING WHERE POSSIBLE. REFER TO SPEC.
- PROVIDE GROMMETS AT HOLES FOR BANNER SIGNS. ALL FASTENINGS TO BE CONCEALED OR HAVE COLOUR MATCHED HEADS.
- DOUBLE SIDED BANNERS TO BE INSTALLED/FASTENED TO BRICK MASONRY MORTAR JOINTS. AVOID DRILLING FACADE MATERIAL.
- ALL HOLES IN MORTAL JOINTS TO BE FILLED UPON REMOVAL OF BANNER AND FINISH TO MATCH EXIST. FINISH.
- ROPE/BUNGEE CORDS TO BE USED AS REQUIRED TO REACH NEAREST MORTAR JOINTS WHERE GROMMETS DO NOT LINE UP WITH MORTAR JOINTS FOR BANNER SIGNS.
- VINYL FILM SIGNS TO BE APPLIED TO EXTERIOR FACE OF GLAZING.
- ENSURE VINYL FILM IS MANUFACTURED FOR TEMPORARY INSTALLATION ONLY.
- COORDINATE DESIGN AND REQUIRED PRINTS WITH MANUFACTURER.

GENERAL NOTES:

1. SIGNAGE MANUFACTURER TO CONFIRM ALL FONTS, ARTWORK, MATERIALS, FINISHES AND CONSTRUCTION OF AWNINGS AND CHANNEL LETTERS WITH LCBO CONSTRUCTION COORDINATOR PRIOR TO FABRICATION OF THE ABOVE ITEMS. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL FOR ALL OF THE ABOVE ITEMS PRIOR TO FABRICATION.
2. LCBO SIGNAGE CONTRACTOR SUPPLY AND INSTALL BILINGUAL "OPEN" AND "COLD BEER". SIGNS TO BE SUSPENDED FROM WINDOW SYSTEM. (REFER TO ELECT).
3. NOT USED
4. NOT USED.
5. ILLUMINATED BOX SIGN. SUPPLIED AND INSTALLED BY LCBO SIGNAGE CONTRACTOR. SEE ELEVATIONS FOR DIMENSIONS
6. SOLID FILM AS PER DWG. A1.01 APPLIED TO INNER FACE OF VISION GLASS PRIOR TO WALL CONSTRUCTION WHERE SHOWN ON PLAN. SUPPLIED AND INSTALLED BY G.C. REFER TO SPEC.
7. AVERY VINYL 'ETCHMARK' FILM APPLIED TO VISON GLASS WHERE SHOWN ON ELEVATION. SUPPLIED AND INSTALLED BY G.C. REFER TO SPEC.
8. VINYL GRPAHIC FILM APPLIED TO VISON GLASS WHERE SHOWN ON ELEVATION. SUPPLIED AND INSTALLED BY LCBO SIGNAGE VENDOR.
9. ALL DIMENSIONS TAKEN FROM FINISHED FLOOR LEVEL.



Exterior Elevation
Scale: 1/8"=1'-0"

1
2.00

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120707	1/8" = 1'-0"	LG	VG

LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project

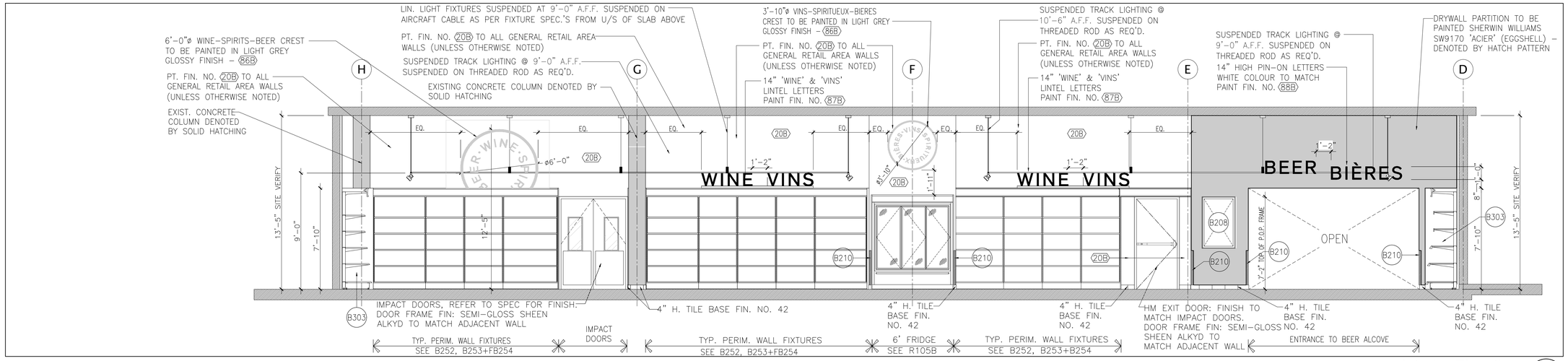
Exterior Elevation

Drawing Title

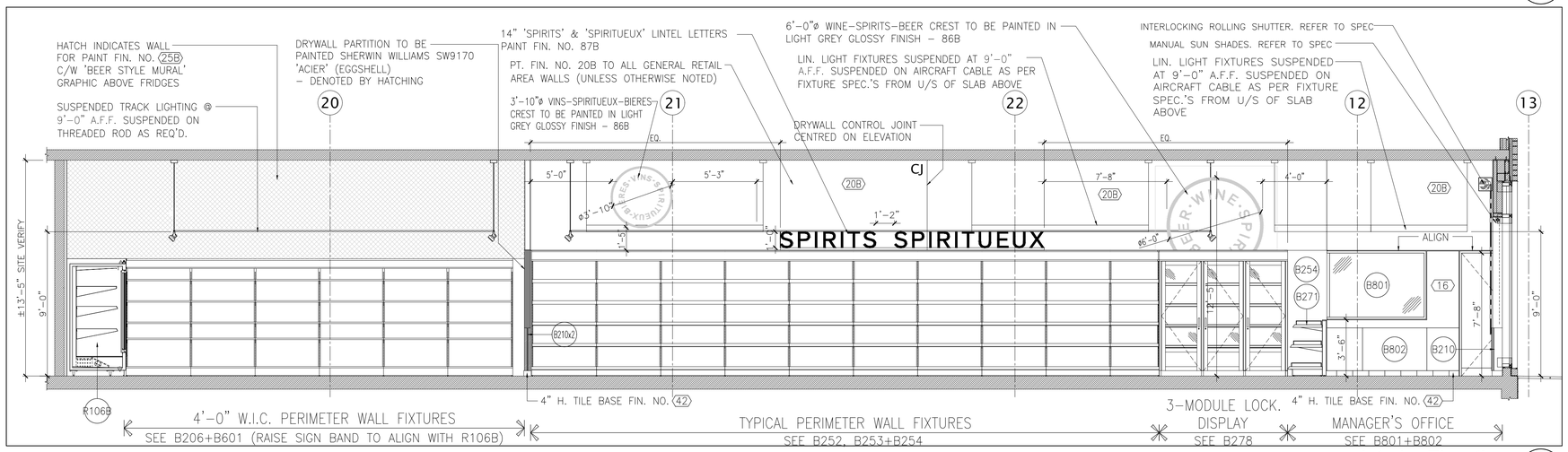
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Sheet No.

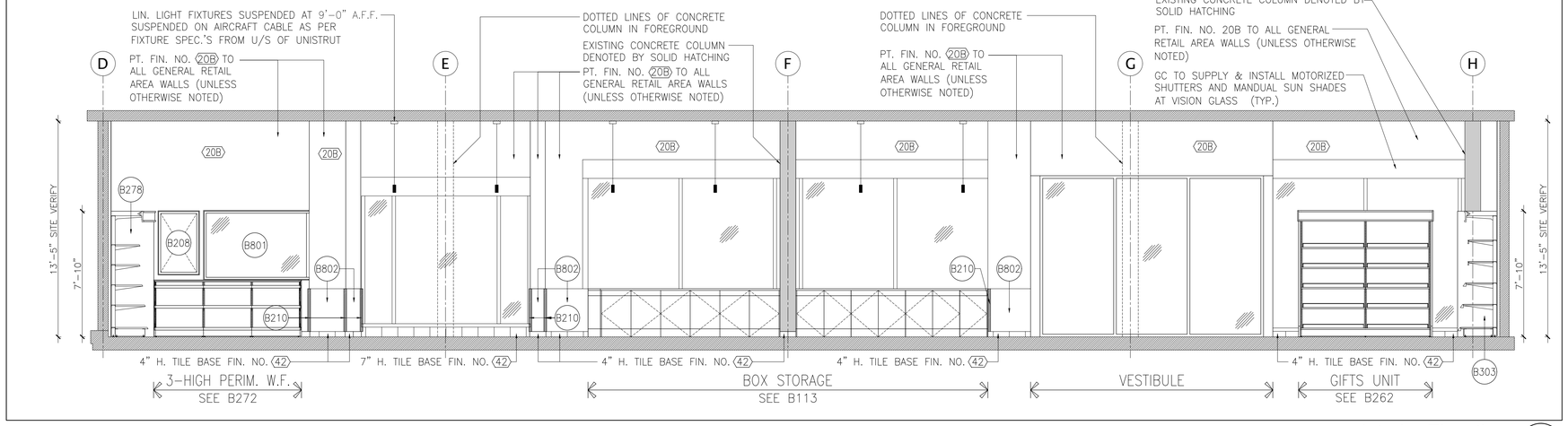
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Interior Elevation 3
Scale: 1/4"=1'-0" — A2.01



Interior Elevation 2
Scale: 1/4"=1'-0" — A2.01



Interior Elevation 1
Scale: 1/4"=1'-0" — A2.01

LEGEND:

- DENOTES BASE BUILDING WORK
- HATCH INDICATES 'BEER STYLE MURAL' GRAPHIC
- HATCH DENOTES GYPSUM BD BULKHEAD BY GC

GENERAL NOTES:

1. PIN-ON SIGNAGE SUPPLIED AND INSTALLED BY LCBO SIGNAGE CONTRACTOR. G.C. TO COORDINATE WITH RESPECTIVE VENDORS. ACTUAL CAPTION TO BE CONFIRMED WITH LCBO PRIOR TO INSTALLATION NOTE: ALL PIN-ON SIGNAGE TO ALIGN
2. RESERVED.
3. REFER TO FINISHES SCHEDULE DWGS A4.00 FOR ALL MATERIAL SPECIFICATIONS.
4. ALL EXPOSED ELEMENTS (ROOF DECK, JOISTS, BEAMS, DUCTING, CONDUIT, PLUMBING, ETC.) TO BE PAINTED TO MATCH FIN. NO. 14 BY G.C.
5. PROVIDE CONTROL JOINTS IN INTERIOR GWB PARTITIONS (RETAIL AND WAREHOUSE). THE DISTANCE BETWEEN CONTROL JOINTS IN WALLS SHALL NOT BE MORE THAN 30'-0". PROVIDE CONTROL JOINTS ON DEMISING WALLS BETWEEN WAREHOUSE AND RETAIL. THE CONTROL JOINS SHALL BE ON BOTH SIDES OF THE DEMISING WALL.
6. G.C. TO VERIFY & COORDINATE LOCATION OF ALL DUCTS/HVAC UNITS AS PER MECHANICAL DRAWINGS IN CONJUNCTION WITH LAYOUT OF RCP.
7. 8" HIGH MDF SIGN BAND ABOVE DAIRY DOORS TYP. ENSURE SIGN BAND ABOVE DAIRY DOORS ALIGNS WITH ADJACENT FIXTURES - CRITICAL (7'-10" HIGH).
8. ALL SUSPENDED LINEAR LIGHT FIXTURES, TRACK LIGHTS, LET'S GET TOGETHER SIGNS (WHERE APPLICABLE) TO BE SECURED TO UNISTRUT. UNISTRUT TO BE SECURED TO UNDERSIDE OF CONCRETE SLAB (HEIGHT TO BE SITE VERIFIED). GC IS RESPONSIBLE FOR ANY UNISTRUT COMPONENTS REQUIRED TO SUSPEND LIGHT FIXTURES & SIGNS AS PER LAYOUT. REFER TO RCP. GC TO PAINT WITH FIN. NO. 14 , THE CEILING (U/S OF SLAB/ DECK, ALL JOISTS, ALL INSULATION, ALL MECHANICAL DUCTWORK, ALL PLUMBING & PIPES, ALL BASE BLDG. SERVICES, ALL UNISTRUT AND THREADED RODS.

SEALED CONCRETE COLUMN FINISH:

EXPOSED CONCRETE COLUMNS IN RETAIL AND OTHER AREAS AS NOTED. (REFER TO DWGS. A1.00 & A1.01).
REMOVE/GRIND ALL CONCRETE RIDGES, FINS, BULGES OR CONCRETE SLURRY AND FILL VOIDS LARGER THAN 1" DIA AND AREAS WITH EXTENSIVE HONEYCOMBING WITH A CEMENT MORTAR CONTAINING AN APPROVED LATEX BONDING AGENT. AFTER MORTAR STIFFENS, WIPE THE WHOLE SURFACE CLEAN SUCH THAT NO MATERIAL REMAINS ON THE SURFACE, EXCEPT THAT WITHIN THE VOIDS.
AFTER THE APPLIED MORTAR HAS DRIED/CURED APPLY TWO (2) COATS OF SATIN CLEAR URETHANE.
PROVIDE SAMPLE/MOCK-UP/PRODUCT DATA FOR REVIEW BY CONSULTANT/LCBO PRIOR TO PROCEEDING.

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Tender
Issued for:

2020-08-25
Issue Date

Project No.	Scale	Drawn by	Checked by
120707	1/8" = 1'-0"	LG	VG

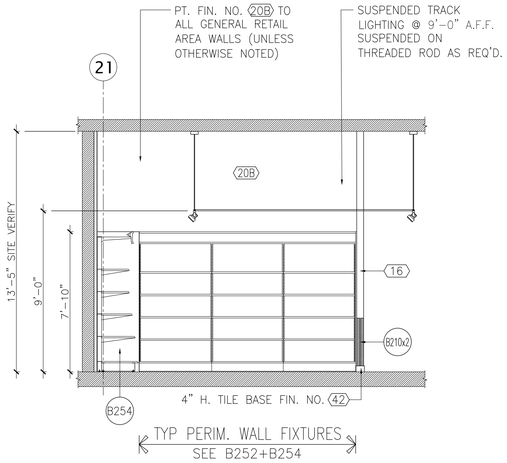
LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project
Interior Elevations

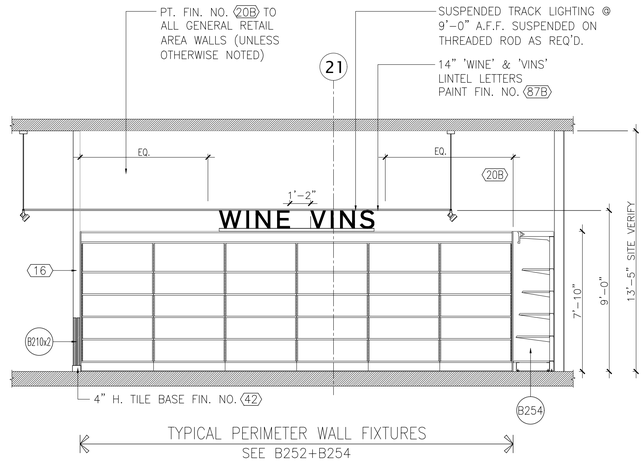
Drawing Title

A2.01
Sheet No.

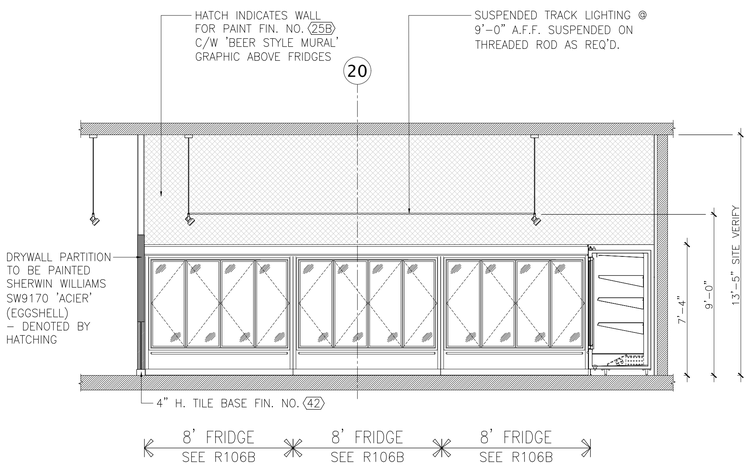
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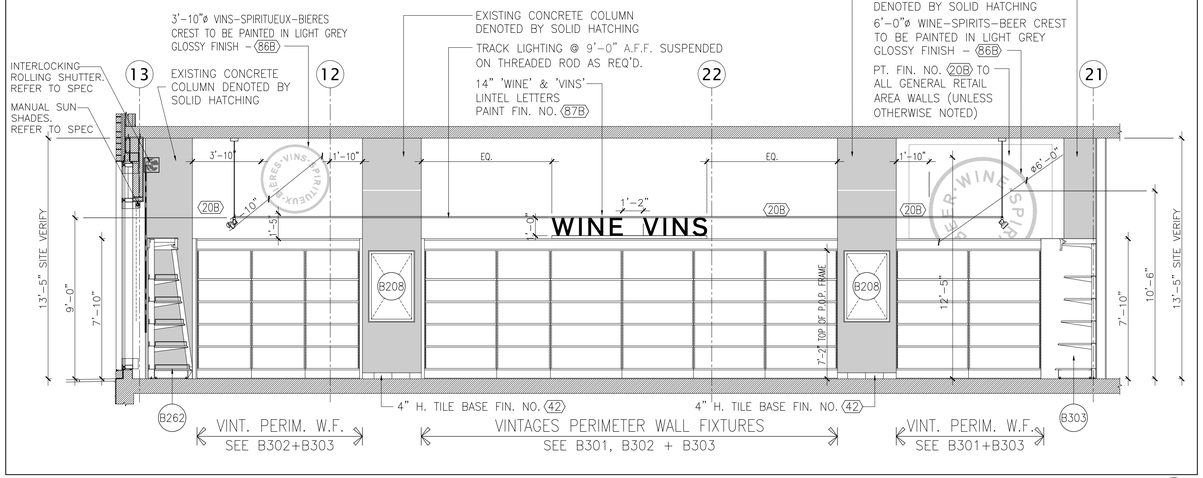
Interior Elevation 3
Scale: 1/4"=1'-0" A2.02



Interior Elevation 2
Scale: 1/4"=1'-0" A2.02



Interior Elevation 4
Scale: 1/4"=1'-0" A2.02



Interior Elevation 1
Scale: 1/4"=1'-0" A2.02

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Context Plan



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LCBO Store No. 686
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Project
Interior Elevations

Drawing Title

A2.02
Sheet No.

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SEISMIC NOTES:

1. PROVIDE SEISMIC RESTRAINT FOR ALL SUSPENDED EQUIPMENT, PIPES, DUCTS, ELECTRICAL CABLE TRAY, LIGHT FIXTURES, ETC.

GENERAL MANAGER'S OFFICE NOTES:

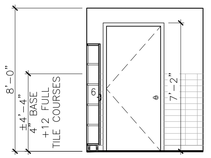
1. REFER TO M&E DRAWINGS FOR LOCATIONS OF THERMOSTATS, SWITCHES, ETC. (TYP.).
   1) THREE (3) CHAIRS, THREE (3) KEYBOARD TRAYS, ONE (1) P.O.S CPU HOLDER. REFER TO DWGS #F803. TWO (2) TYPE 'A' FILE CABINET AND ONE (1) TYPE 'B' CABINET (SEE SPECS)
2. ALL UPPER CABINETS TO BE LOCKABLE. PROVIDE VENTING AT TOP OF ALL CABINETS HOUSING A/V EQUIPMENT. POWER AND DATA TO BE PROVIDED FOR UPPER CABINETS. REFER TO LCBO'S STANDARD DETAILS FOR ALL CABINET AND COUNTER-TOP DETAILING (TYP.)
3. PROVIDE PLYWOOD BLOCKING FOR SUPPORT OF CABINETS AND COMM. BOX AS REQUIRED.

STAFF ROOM NOTES:

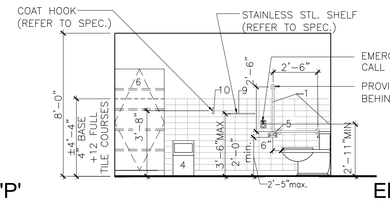
1. CHAIR RAIL TO BE FIXED TO STUDS. FILL HOLES W/ WOOD FILLER.
2. FOR BASE CABINET & CABINET DETAILS, REFER TO LCBO STANDARD DETAILS.
3. FOUR(4) CHAIRS, TWO(2) TABLES. REFER TO DWGS #F803.
4. PROVIDE PLYWOOD BLOCKING FOR SUPPORT OF CABINETS AS REQUIRED.

W/R NOTES:

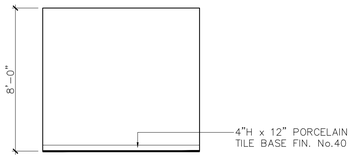
1. COORDINATE LOCATIONS OF WASHROOM ACCESSORIES WITH LCBO PROJECT COORDINATOR. (REFER TO SPECS FOR LIST OF ALL REQUIRED ACCESSORIES).
2. PROVIDE PLYWOOD BLOCKING BEHIND WASHROOM FIXTURES AND ACCESSSORIES AS REQUIRED.



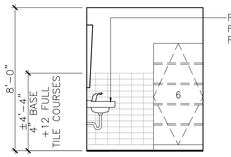
Elevation 'P'



Elevation 'L'

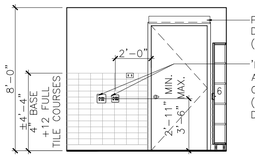


Elevation 'H'



REFER TO TYP. SINK SECTION DETAIL FOR INSTALLATION DIMENSION REQUIREMENTS

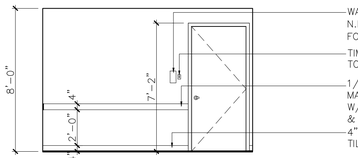
Elevation 'O'



POWER ASSISTED DOOR OPERATOR (SEE 08 71 15)

'PUSH TO LOCK' AND 'PUSH TO OPEN' BUTTONS (REFER TO ELECT. DWGS)

Elevation 'K'



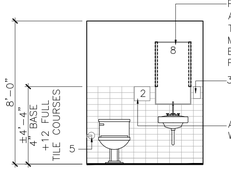
WALL MOUNT TELEPHONE N.I.C (REFER TO ELECT FOR PHONE JACK)

TIMER SWITCH, REFER TO ELECT. DWGS

1/2"x4" SOLID CLEAR MAPLE CHAIR RAIL W/ CHAMFERED TOP & BOTTOM EDGES

4"H x 12" PORCELAIN TILE BASE FIN. No.40

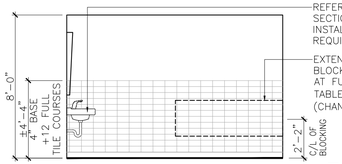
Elevation 'G'



PROVIDE 3/8" THK. MDF FURRING AT BACK OF MIRROR FROM T/O TILE FINISH TO T/O MIRROR TO SET MIRROR FLUSH WITH WALL TILE; EDGE OF MDF FILLER STRIPS TO BE PAINTED TO MATCH ADJACENT WALL

ALIGN TOP OF TOWEL DISPENSER WITH TOP OF WALL TILE

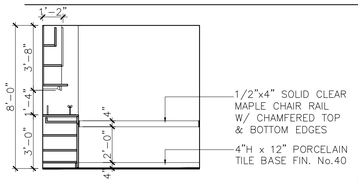
Elevation 'N'



REFER TO TYP. SINK SECTION DETAIL FOR INSTALLATION DIMENSION REQUIREMENTS

EXTENT OF PLYWOOD BLOCKING AT FUTURE CHANGE TABLE 2'-0"x6'-0" (CHANGE TABLE N.I.C)

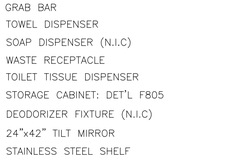
Elevation 'J'



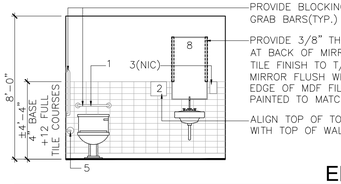
1/2"x4" SOLID CLEAR MAPLE CHAIR RAIL W/ CHAMFERED TOP & BOTTOM EDGES

4"H x 12" PORCELAIN TILE BASE FIN. No.40

Elevation 'F'



Elevation 'M'

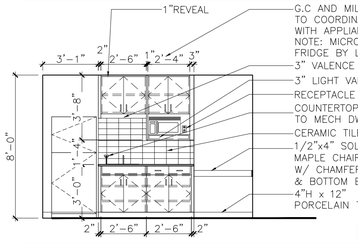


PROVIDE BLOCKING BEHIND GRAB BARS(TYP.)

PROVIDE 3/8" THK. MDF FURRING AT BACK OF MIRROR FROM T/O TILE FINISH TO T/O MIRROR TO SET MIRROR FLUSH WITH WALL TILE; EDGE OF MDF FILLER STRIPS TO BE PAINTED TO MATCH ADJACENT WALL

ALIGN TOP OF TOWEL DISPENSER WITH TOP OF WALL TILE

Elevation 'I'



G.C AND MILLWORK CONTRACTOR TO COORDINATE THESE DIMENSION WITH APPLIANCE REQUIREMENTS NOTE: MICROWAVE & FRIDGE BY LCBO GC

3" VALENCE ONLY

3" LIGHT VALENCE

RECEPTACLE (REFER TO ELECT DWGS)

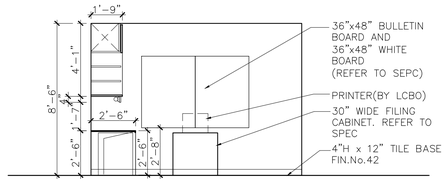
COUNTERTOP MTD. EYEWASH. REFER TO MECH DWGS

CERAMIC TILE FIN. No.43

1/2"x4" SOLID CLEAR MAPLE CHAIR RAIL W/ CHAMFERED TOP & BOTTOM EDGES

4"H x 12" PORCELAIN TILE BASE FIN. No.40

Elevation 'E'



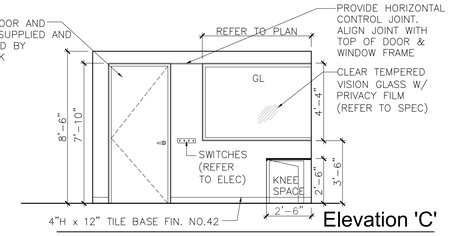
36"x48" BULLETIN BOARD AND 36"x48" WHITE BOARD (REFER TO SEPC)

PRINTER(BY LCBO)

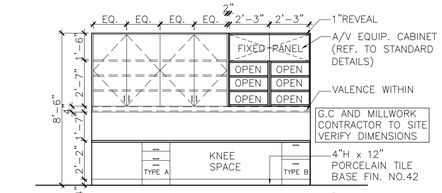
30" WIDE FILING CABINET. REFER TO SPEC

4"H x 12" TILE BASE FIN.No.42

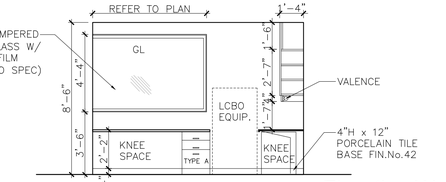
Elevation 'D'



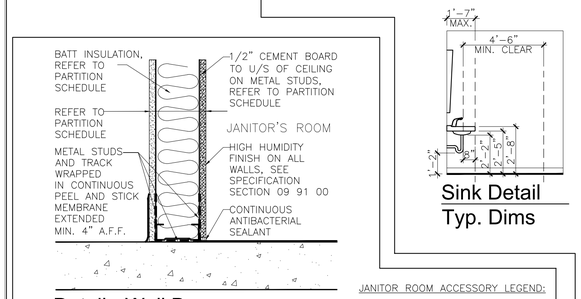
Elevation 'C'



Elevation 'B'

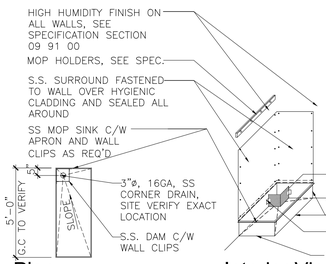


Elevation 'A'



Detail - Wall Base

Sink Detail
Typ. Dims

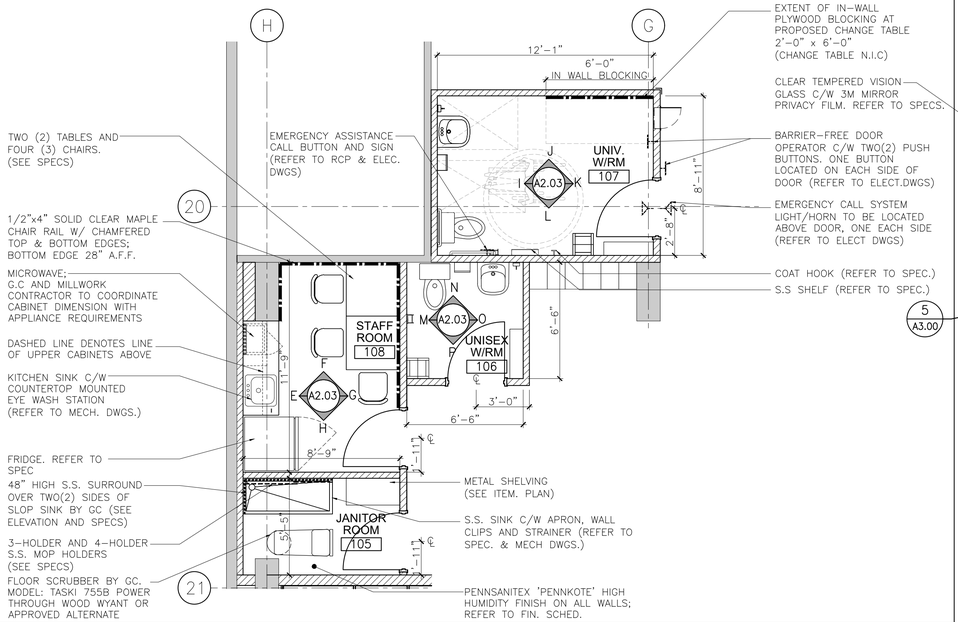


Plan: Interior View:

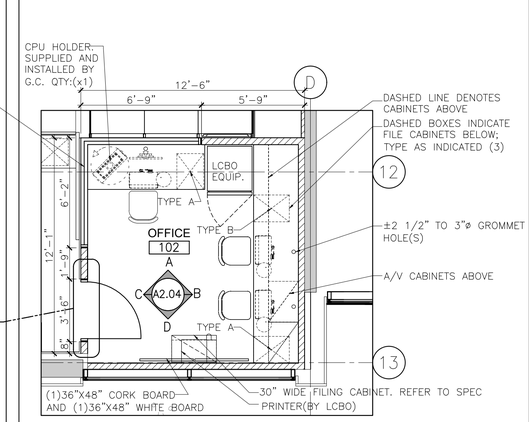
JANITOR ROOM ACCESSORY LEGEND:

1. HIGH-HUMIDITY FINISH ON ALL WALLS. (REFER TO SPEC'S)
2. 48" HT. S.S. SURROUND OVER THREE(3) SIDES OF SLOP SINK BY GC (SEE ELEVATION AND SPEC'S)
3. FLOOR SCRUBBER SUPPLIED BY GC; TASKI 755B THROUGH WOOD WYANT OR APPR. EQ.
4. ONE(1) 3-HOLDER AND ONE(1) 4-HOLDER BY GC (SEE SPEC'S.)
5. S.S. SINK APRON, WALL CLIPS AND STRAINER BY GC (SEE SPEC'S)
6. METAL SHELVING BY GC (SEE SPEC'S)

Janitor Room
Scale:N.T.S
3
A2.03



Enlarged Plans: Staff Room, Janitor Room, Unisex & Universal Washroom
Scale: 1/4"=1'-0"
2
A2.03



MANAGER'S OFFICE NOTES:

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Managers Office - Enlarged Plan & Elevations
Scale: 1/4"=1'-0"
1
A2.03

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PROJECT N

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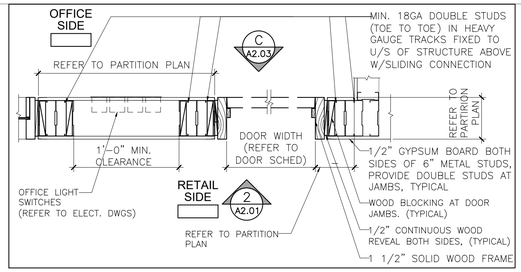
Tender
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Issue Date

120707	AS NOTED	LG	VG
Project No.	Scale	Drawn by	Checked by

LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project
Service Areas:
Enlarged Plans &
Interior Elevations
Drawing Title

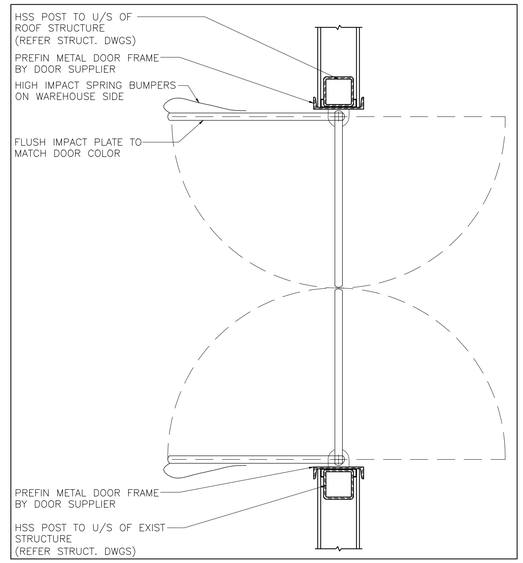
A2.03
Sheet No.



Office Door - Plan Detail

Scale: 1"=1'-0"

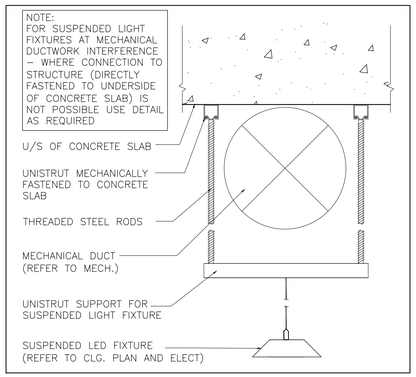
5 A3.00



Warehouse Door - Plan Detail

Scale: 1"=1'-0"

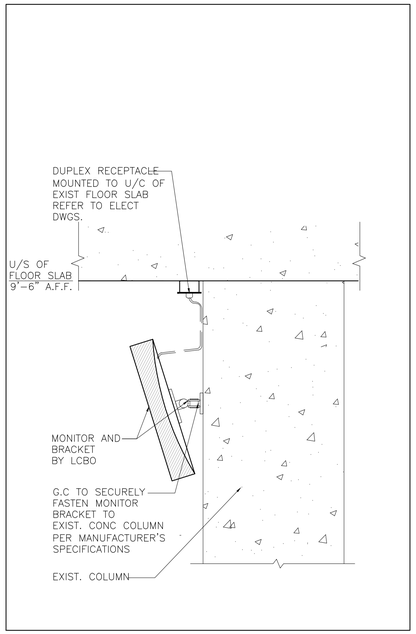
2 A3.00



Unistrut Support

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

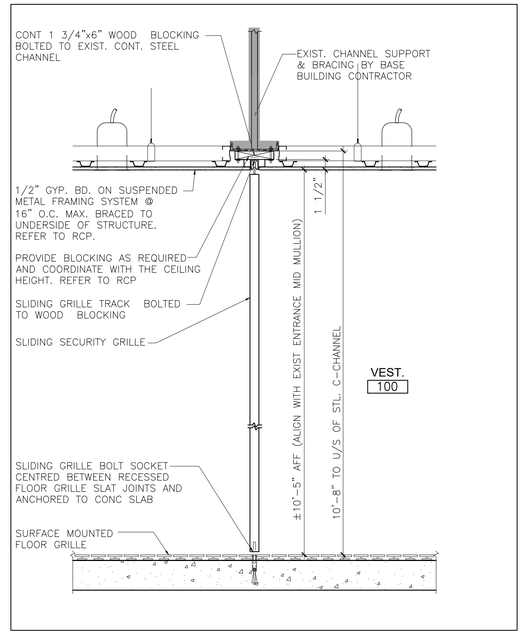
4 A3.00



Wall Mounted Bracket for Security Monitor

Scale: 1 "=1'-0"

3 A3.00



Security Sliding Grille - Section Detail

Scale: 1"=1'-0"

1 A3.00

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Context Plan



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5. USE THE LATEST REVISED DRAWINGS ONLY.
6. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SCHEDULES, DISCOVERED ERRORS, OR OMISSIONS, TO THE ARCHITECT AND LCBO DURING TENDER PERIOD AND BEFORE PROCEEDING WITH ANY WORK.
7. DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT, AND MUST BE RETURNED UPON COMPLETION OF WORK.
8. TO VIEW A LIST OF BIDDERS FOR THIS PROJECT, PLEASE GO TO: WWW.BIDDINGO.COM/LCBO

Rev.	Date	Description	Initial
6	2020-08-25	Issued for Tender	LG
5	2019-12-09	Issued for Permit	LG
4	2019-09-05	Issued for 100% Design Review	LG
3	2019-07-15	Issued for 90% Design Review	LG
2	2019-06-26	Issued for 60% Design Review	LG
1	2019-05-07	Issued for 30% Design Review	LG

Issued for: Tender

Issue Date: 2020-08-25

Project No.	Scale	Drawn by	Checked by
120707	AS NOTED	LG	VG

LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project: Miscellaneous Details

Drawing Title

Sheet No. A3.00

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NOTE: SUPPLEMENTAL FINISHES SCHEDULE TO SUPERCEDE SAMPLE BOARDS

PLASTIC LAMINATE

NO.	MAT'L	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
01	PLASTIC LAMINATE	SMOKEY WHITE	NEVAMAR ARP SURFACE "SMOKEY WHITE" TEXTURED #S7027T	McFADDEN'S 2164 BUCKINGHAM ROAD OAKVILLE, ONT. L6H 6M7 CONTACT: LUCIA NIU TEL: (416) 674-3333		KITCHEN/DEMO, STAFF LUNCHROOM, WASHROOMS, TRAINING ROOM & MANAGER'S OFFICE MILLWORK
02	RESERVED					
02A	PLASTIC LAMINATE	WARM WHITE	NEVAMAR ARP SURFACE "SPA WHITE" #S70-401	McFADDEN'S 2164 BUCKINGHAM ROAD OAKVILLE, ONT. L6H 6M7 CONTACT: LUCIA NIU TEL: (416) 674-3333		GENERAL RETAIL & MILLWORK FIXTURE DETAILING
03	RESERVED					
03A	PLASTIC LAMINATE	LIGHT GREY	FORMICA 'GREYSTONE' #464-58	FORMICA CANADA INC. CONTACT: MARA BANNON-TURVEY TEL: (416) 592-0664		FIXTURE DETAILING
04	PLASTIC LAMINATE	GREY	NEVAMAR ARP SURFACE "FOUNDRY" #S20841	McFADDEN'S 2164 BUCKINGHAM ROAD OAKVILLE, ONT. L6H 6M7 CONTACT: LUCIA NIU TEL: (416) 674-3333		MILLWORK BASES
05	PLASTIC LAMINATE	MAPLE FINISH	WILSONART "FUSION MAPLE" #7909-60	380 COURTNEYPARK DRIVE, E. MISSISSAUGA, ONT L5T 2S4 SHERRIE BECKFORD CELL: 647-222-2384	TO BE WATERFALL & BOOK MATCHED., UNLESS OTHERWISE NOTED. SEE DWGS FOR DIRECTION OF GRAIN	GENERAL RETAIL FIXTURE AND FASCIA DETAILING
06	PLASTIC LAMINATE	GREY	COLOUR: #P--344RM 'MILKSHAKE GREY' FINISH: MATTE	ARBORITE 111 RACE STREET PARIS, ONTARIO N3L 3G9 TEL: (647) 206-8553 CONTACT: LESLEY HEYS		STAFF KITCHEN COUNTER, TRAINING ROOM COUNTER & MANAGER'S OFFICE COUNTER
07	RESERVED					
08	RESERVED					
08 ALTERNATE	MELAMINE/ PLASTIC LAMINATE	CHERRY	TAFILAM (MELAMINE): COLLECTION 2002 COLOUR: ALMOND CHERRY #L457 FINISH: MATTE	TAFISA CANADA 4660 VILLENEUVE STREET LAC-MEGANTIC, QUEBEC G6B 2C3 TEL: 1-866-919-0101		VINTAGES AND 'WHISKY SHOP' MILLWORK
			TAFILAM (HIGH PRESSURE P. LAM.): COLLECTION 2002 COLOUR: ALMOND CHERRY #T457 FINISH: MATTE			
09	RESERVED					
09A	PLASTIC LAMINATE	LIGHT GREY	FORMICA PLATINUM #902--58 (TEXTURED)	FORMICA CANADA INC. CONTACT: MARA BANNON-TURVEY TEL: (416) 592-0664		FIXTURE DETAILING AND TYPICAL WAINSCOTING AT OFFICE, CASH/ CHECK--OUT & VESTIBULE
10	PLASTIC LAMINATE	TAUPE (RIBBED)	ABET LAMINATI #668 (TAUPE) FINISH: MICROLINE	ABET CORP. 50 PAXMAN ROAD TORONTO, ON, M9C 1B7 CONTACT: SEAN GREGORY TEL: (416) 620--6556		MILLWORK FEATURE UNITS IN VINTAGES AREA SPECIFIC TO LCBO STORE #486, #164 & #500
11	RESERVED					
12	RESERVED					
12A	PLASTIC LAMINATE	CHERRY	TAFISA #L458 (c) 'CAPPUCCINO CHERRY' TEXTURE: CRYSTALITE (c)	TAFISA CANADA 4660 VILLENEUVE STREET LAC--MEGANTIC, QUEBEC G6B 2C3 TEL: 1--866--919--0101		MILLWORK -- VINTAGES TASTING BAR

PAINT FINISHES

NO.	MAT'L	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
13	PAINT	WHITE	NORBEC WHITE WHITE #OC 28317	KELLAND'S GROUP LIMITED 4131 PALADIUM WAY, BURLINGTON, ON. CONTACT: SCOTT CORBETT TEL: (416) 798--9705	PROVIDE MATCHING CAULKING COLOUR	WALK--IN COLDROOM PREFABRICATED WALL & CEILING FINISH
14	PAINT	WHITE	PRODUCT: BEN #K625 ACRYLIC INT LATEX COLOUR: #OC--40 'CLOUD WHITE' FINISH: FLAT (CEILINGS)	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, STE 100 CONTACT: GLORIA RINALDI T: (905) 761--4819 C:416--428--6461	LEED INITIATIVE	GENERAL RETAIL WALLS, DRYWALL CEILINGS AND U/S OF (DRYWALL) BULKHEADS, UNDERSIDE OF ROOF DECK, ALL MECHANICAL DUCTWORK, ALL ELECTRICAL CONDUIT, ALL PLUMBING, ALL BASE BLDG. SERVICES, UNISTRUT & THREADED RODS ETC., LUNCHROOM, TRAINING ROOM, WASHROOM WALLS & MANAGER'S OFFICE (EGGSHELL FINISH), WAREHOUSE (SEMI--GLOSS FINISH)
14A	ELASTOMERIC ANTIMICROBIAL COATING	WHITE	TO MATCH PAINT FINISH NO. 14	PENNKOTE LIMITED 516 FINLEY AVE., AJAX, ON L1S 2E3, TEL: (905) 683--6447	SUBMIT SAMPLE FOR APPROVAL	JANITOR ROOM WALLS & CEILING
15	RESERVED					
15A	PAINT	LIGHT GREY	VIC STORE FIXTURES COLOUR #P88	VIC STORE FIXTURES INC. TEL: 1--888--758--0626		WALK--IN COLDROOM FLOOR GONDOLA BACK PANEL
16	RESERVED					
16A	PAINT	WARM WHITE	VIC STORE FIXTURES COLOUR: #P164 #HS212W195	VIC STORE FIXTURES INC. TEL: 1--888--758--0626		WALL & GONDOLA SHELVING & FRIDGE INTERIOR MASONITE PANEL TO MATCH
17	PAINT	DARK GREY	COLOUR: #SW 7026 'GRIFFIN' FINISH: SATIN	SHERWIN WILLIAMS CONTACT: ELLEN DIKLAS C(416)-432-6975 T: (905)-507-0166 EXT 110	LEED INITIATIVE	TYPICAL PERIMETER & GONDOLA METAL SHELVING UNIT KICK BASES AND REFRIGERATED GONDOLA KICK BASE
18	RESERVED					
18A	POWDER--COAT PAINT	MEDIUM GREY	COLOUR: #HS412H432	PROTECH CHEMICALS LTD. 150 KLONDIKE DRIVE NORTH YORK, ON, M9L 1X3 TEL: 1--800--361--9364	CONTRACTOR TO PROVIDE A PAINTED SHELF CANTILEVER FOR APPROVAL	VINTAGES METAL SHELVING COMPONENTS (SHELVES, BRACKETS, POSTS, ETC.)
19	RESERVED					
19B	PAINT	LIGHT GREY	SPEC TBD	SPEC TBD		BCR WALL
20	RESERVED					
20A	PAINT	LIGHT GREY	PRODUCT: BEN #K626 ACRYLIC INT LATEX COLOUR: #OC--24 'WINDS BREATH' FINISH: EGGSHELL	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, STE 100 CONTACT: GLORIA RINALDI T: (905) 761--4819 C:416--428--6461	SUBMIT SAMPLE FOR APPROVAL	GENERAL RETAIL AREA WALLS & BULKHEADS
20B	PAINT	WHITE	PRODUCT: BENJAMIN MOORE ACRYLIC INT LATEX COLOUR#OC--118 'SNOWFALL WHITE', FINISH: SATIN	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ONT, L5N 7G2 TEL: (905) 813--3700		GENERAL RETAIL AREA WALLS & BULKHEADS
21	RESERVED					
21A	ELASTOMERIC ANTIMICROBIAL COATING	LIGHT GREY	TO MATCH PAINT FINISH NO. 20A	PENNKOTE LIMITED 516 FINLEY AVE., AJAX, ON L1S 2E3 TEL: (905) 683--6447	SUBMIT SAMPLE FOR APPROVAL	VESTIBULE WALLS/DOOR TO SLIDING GRILLE ENCLOSURE, VESTIBULE COAT STORAGE IN PEARL FINISH
21B	ELASTOMERIC ANTIMICROBIAL COATING	WHITE	TO MATCH PAINT FINISH NO. 20B	PENNKOTE LIMITED 516 FINLEY AVE., AJAX, ON L1S 2E3 TEL: (905) 683--6447	SUBMIT SAMPLE FOR APPROVAL	VESTIBULE WALLS/DOOR TO SLIDING GRILLE ENCLOSURE, VESTIBULE COAT STORAGE IN PEARL FINISH
22	RESERVED					
22A	PAINT	LIGHT GREY	PRODUCT: AURA INTERIOR LATEX COLOUR: #CSP--155 'SKIPPING STONE' FINISH: EGGSHELL	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, STE 100 CONTACT: GLORIA RINALDI T: (905) 761--4819 C:416--428--6461	SUBMIT SAMPLE FOR APPROVAL	VINTAGES CEILING, CANTILEVERED LIGHT COVE BULKHEAD & ABOVE 'WHISKY SHOP' UNIT

WOOD FINISHES

NO.	MAT'L	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
28	WOOD	MAPLE (HARD)	NATURAL ROTARY CUT MAPLE VENEER AND COORDINATING HARDWOOD WITH NON YELLOWING SATIN SEALER		SAMPLE ON BOARD FOR REFERENCE ONLY. MATCH TO CONTROL SAMPLE SUPPLIED BY LCBO. SUBMIT SAMPLE FOR APPROVAL BY LCBO.	WOODWORK TRIM GENERAL RETAIL AREA VQA FIXTURES
29	RESERVED					
30	WOOD	BEECH	NATURAL BEECH VENEER AND COORDINATING HARDWOOD WITH (1) COAT CLEAR URETHANE NON YELLOWING SEALER & (2) TOPS COATS SATIN LACQUER		SAMPLE ON BOARD FOR REFERENCE ONLY. MATCH TO CONTROL SAMPLE SUPPLIED BY LCBO. SUBMIT SAMPLE FOR APPROVAL BY LCBO.	VINTAGES AND 'WHISKY SHOP' MILLWORK
31	WOOD	ASH	STAINED TO MATCH ARBORITE #P--124CA 'NATURAL MEDIUM' W/ SATIN SEALER		SUBMIT SAMPLE FOR APPROVAL	THC ROOM MILLWORK SPECIFIC TO LCBO STORE #486
32	WOOD	CHERRY	QUARTER CUT CHERRY VENEER W/ NON YELLOWING SATIN SEALER		SAMPLE ON BOARD FOR REFERENCE ONLY. MATCH TO CONTROL SAMPLE SUPPLIED BY LCBO. SUBMIT SAMPLE FOR APPROVAL BY LCBO.	VINTAGES AREA WOOD BAFFLE CEILING

CEILING FINISHES

NO.	MAT'L	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
33	CEILING	WHITE	SUSPENDED T--BAR CEILING BY AQUAROCK #1182--CRF--1, COLOUR: WHITE SIZE: 24" X 24" SQUARE EDGE LAY--IN WITH WHITE #830 ALL ALUMINUM 9/16" EXPOSED T--BAR GRID SYSTEM BY CHICAGO METALLIC PROVIDE 4" HIGH 'INFINITY' PERIMETER METAL TRIM ALONG PERIMETER OF T--BAR CEILING, 'ENGINEERED (STRAIGHT EDGE) SERIES', BY CHICAGO METALLIC C/W REQUIRED CORNER KITS, SPLICE PLATES, GRID CLIPS, ETC. AS REQUIRED	DISTRIBUTOR: CERTAIN TEED CEILINGS CONTACT: NANCY McPHERSON TEL: 905--823--9881 CELL: 647--825--6238 EMAIL: nancy.mcpherson@saint--gobain.com DISTRIBUTOR: ARRUN ACOUSTICS CONTACT: MARK NEWMAN or BRIAN SPURR TEL: 416--798--9200		WALK--IN COLDROOM
34	RESERVED					
35	RESERVED					
36	CEILING TILE	WHITE	CGC INC. 'RADAR' #2110 SQUARE EDGE SIZE: 24" x 24" x 5/8" COLOUR: WHITE	CGC INC. 350 BURNAMTHORPE RD. W, 5th FLOOR MISSISSAUGA, ONT L5B 3J1 T: (905) 803--5600	FOR FIRE--RATED CEILINGS USE CGC 'RADAR' #2115 24" x 24" x 5/8"	GENERAL RETAIL AREA, SERVICE AREAS & MANAGER'S OFFICE
	T--BAR	WHITE	CGC INC. DONN DX 15/16" EXPOSED FACE T--BAR GRID COLOUR: WHITE		FOR FIRE--RATED CEILINGS USE CGC DONN DXL 15/16" T--BAR GRID	GENERAL RETAIL AREA, SERVICE AREAS & MANAGER'S OFFICE
37	RESERVED					
38	CEILING TILE	WHITE	ARMSTRONG MESA FINE TEXTURE BEVELED TEGULAR--#582 COLOUR: WHITE SIZE: 24"x24"x⅝"	ARMSTRONG WORLD INDUSTRIES CANADA 1111 DAVIS DR. #1--254 NEW MARKET, ONT. L3Y 9E5 CONTACT: SARAH WITHEY TEL: (416) 525--0003		GENERAL RETAIL AREA SPECIFIC TO LCBO STORE #486, #528, #164 & #500
	T--BAR	WHITE	ARMSTRONG SUPRAFINE XL 9/16" EXPOSED TEE SYSTEM COLOUR: WHITE			

TILE FINISHES

NO.	MAT'L	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
39	CERAMIC TILE	WHITE	COLOURS & DIMENSIONS COLLECTION COLOUR: ARTIC WHITE MATTE SIZE: 4⅜" x 4⅜" CODE: #GT.CD.ARW 0408MT (INSTALLED IN STACK BOND PATTERN)	OLYMPIA TILE INTERNATIONAL INC. 1000 LAWRENCE AVE. WEST TORONTO, ON, M6A 4A8 JENNIFER MOTA TEL: 416.785.9555 EXT. 314 CELL: 416.662.4412 EMAIL: jmota@olympiatile.com	GROUT: BY FLEXTILE #310 'BRIGHT WHITE' UNSANDED 1/8" MAXIMUM THICKNESS	WASHROOM WALL TILE -- FINISH HEIGHT OF ⅇ39 TO BE FROM 4" A.F.F. TO TOTAL OVERALL HEIGHT OF 42.25" A.F.F. (I.E. 9 FULL WHITE TILES) ALSO STAFF LUNCHROOM BACK SPLASH
40	PORCELAIN TILE	DARK GREY	REGAL COLOUR: DARK GREY MATTE SIZE: 12" x 12" CODE: # NY.RG.DGR.1212.MT	OLYMPIA TILE INTERNATIONAL INC. 1000 LAWRENCE AVE. WEST TORONTO, ON, M6A 4A8 JENNIFER MOTA TEL: 416.785.9555 EXT. 314 CELL: 416.662.4412 EMAIL: jmota@olympiatile.com	GROUT: FLEXTILE #663 (SANDED) 'NORTH SEA GREY' 1/8" MAX. THICKNESS	WASHROOM, STAFF LUNCHRM. & TRAINING ROOM (FLOOR TILE & WALL BASE) --WALL BASE SIZE: 4" HIGH X 12" LONG
41	VINYL BASE	GREY	VINYL WALL BASE COLOUR: #121 CEMENT	JOHNSONITE TEL:(905) 886--8081		WAREHOUSE & RETAIL AREAS (WHEN APPLICABLE)
42	PORCELAIN TILE	GREY	LAB 21 MATTE 12" X 24" PORCELAIN TILE BASE 4" HIGH X 12" COLOUR: 'TOC' (SILVER GREY) FINISH: MATTE CODE: #KMLLB.FOC.1224.MT OR SOHO COLECTION BY MARAZZI 12" x 24" PORCELAIN TILE BASE 4" HIGH X 12" COLOUR: 'SOHO GREY RETT.' FINISH: MATTE TILE ORIENTATION: BRICK PATTERN	OLYMPIA TILE INTERNATIONAL INC. 1000 LAWRENCE AVE. WEST TORONTO, ON, M6A 4A8 JENNIFER MOTA TEL: 416.785.9555 EXT. 314 CELL: 416.662.4412 EMAIL: jmota@olympiatile.com	GROUT: FLEXTILE #663 (SANDED) 'NORTH SEA GREY' 1/8" MAX. THICKNESS	GENERAL RETAIL AREA, MANAGER'S OFFICE, VINTAGES & BCR (FLOOR TILE & WALL BASE) PROVIDE 4" HIGH x 12" LONG TILE BASE (CUT FROM SPECIFIED 12" x 24" TILES) TO ALL PERIMETER WALLS AS PER INTERIOR ELEVATIONS. TILE TO BE INSTALLED IN 30/70 INFINITY PATTERN (DADOES OR STEPS) TRANSITION STRIP SPEC: LAB 21 TEXTURED 12" X 12" PORCELAIN TILE COLOUR: 'TOC' (SILVER GREY) FINISH: TEXTURED
43	PORCELAIN TILE	SILVER GREY	LAB 21 STRUCTURED 12" x 12" PORCELAIN TILE COLOUR: 'TOC' (SILVER GREY) FINISH: STRUCTURED CODE: #KMLLB.FOG.1212.ST	OLYMPIA TILE INTERNATIONAL INC. 1000 LAWRENCE AVE. WEST TORONTO, ON, M6A 4A8 JENNIFER MOTA TEL: 416.785.9555 EXT. 314 CELL: 416.662.4412 EMAIL: jmota@olympiatile.com	GROUT: FLEXTILE #663 (SANDED) 'NORTH SEA GREY' 1/8" MAX. THICKNESS	VESTIBULE (FLOOR TILE & WALL BASE) --WALL BASE SIZE: 4" HIGH X 12" LONG
44	MARMOLEUM	GREY	MARMOLEUM MODULAR BY FORBO COLOUR: 72629 'EXCER' SIZE: 10" x 20" GAUGE: 3/16" (2.5mm)	FORBO FLOORING SYSTEMS 25 POLLARD STREET RICHMOND HILL, ON, L4B 1A8 CONTACT: CHRISTIE WHITE TEL: 416.661.2351 CELL: 416.520.2127 EMAIL: christie.white@forbo.com		GENERAL RETAIL AREA AND MANAGER'S OFFICE. PROVIDE 4" HIGH VINYL WALL BASE FIN. NO. 41 TO ALL PERIMETER WALLS AS PER INTERIOR ELEVATIONS.
45--54	RESERVED					

METAL & MISCELLANEOUS FINISHES

NO.	MAT'L	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
55	METAL	SATIN STAINLESS STEEL			SUBMIT SAMPLE FOR APPROVAL	GENERAL RETAIL AREA FIXTURE DETAILING
56	REFER TO THE DPECIFICATIONS					
57	BULLETIN BOARD	GREY	BULLETIN BOARD #2182	PHOENIX FLOOR & WALL PRODUCTS INC. CONTACT: CHRISTIE WHITE TEL: (416) 661--2251		
58	TRANSLUCENT PANEL	TRANSLUCENT WHITE	1/4" SANDED ACRYLIC PANELS		SUBMIT SAMPLE FOR APPROVAL	"SERVICE", "VINTAGES" AND "LET'S GET TOGETHER" SUSPENDED SIGNS
59	TRANSLUCENT VINYL	DARK GREEN	SCOTCHCAL SERIES 3630 BY 3M CANADA INC. #3630--5670			SIGNAGE INTERIOR BULKHEAD SIGNAGE PT. FINISH BY SHERWIN WILLIAMS (FOR 7749 'LAUREL WOODS'
60	QUARTZ SURFACE	SPECKLED WHITE	CAESARSTONE QUARTZ SURFACE #3141 'WHITE SWANKEY' THICKNESS: 3cm (1 1/4")	CIOT 8899 JANE STREET TORONTO, ON, L4K 2M6 TEL: (416) 998--8060 CONTACT: AMBROSE PRICE		TASTING BAR, IN--LINE CASH DESK -- KICHEN
	QUARTZ SURFACE	SPECKLED WHITE	QUARTZ GALLERY INSERT COLLECTION COLOUR: WHITEHALL PRODUCT CODE: 0120 THICKNESS: 3cm (1 1/4")	CAMBRIA 1 HIGH MEADOW PLACE #3 TORONTO, ON, M9L 0A3 TEL: (416) 748--3333 CONTACT: ANASTASIA RENTZOS EMAIL: anna@quartzgallery.ca		
61	TRANSLUCENT VINYL	WHITE	SCOTCHCAL SERIES 3630 BY 3M CANADA INC. #3735--60			SIGNAGE

EXTERIOR FINISHES -- BRICK OPTION

NO.	MAT'L	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
62	BRICK (FIELD)	YELLOW	COLOUR: SIERRA SANDSTONE SMOOTH SIZE: 90mm H. x 90mm D. x 290mm L. METRIC JUMBO FORMAT MORTAR COLOUR: NATURAL GREY	MERIDIAN BRICK 5155 DUNDAS STREET WEST BURLINGTON ON, L7R 3Y2 CONTACT: TERRY KLINGSPOHN CELL: (416) 801--1638 TEL: (800) 263--6229 EMAIL: terry.klingspohn@meridianbrick.ca		EXTERIOR WALLS
63	BRICK (SOLDIER COURSE)	DARK GREY	PRODUCT: NOBLE ARCHITECTURAL BLOCK COLOUR: CHARCOAL FINISH: BUFF SIZE: 3 5/8" H. x 3 3/8" D. x 11⅝" L. MORTAR COLOUR: NATURAL GREY	MANUFACTURER: PERMACON GROUP DISTRIBUTED BY: PERMACON GROUP MILTON, ON. CONTACT: MARIO NUNES CELL: (416) 578--1903 TEL: (519) 740--6000 EMAIL: mnunes@permacon.ca		EXTERIOR WALLS--SOLDIER COURSE ABOVE AWNINGS & BETWEEN BRICK PIERS
64	CONCRETE BLOCK (BASE)	DARK GREY	PRODUCT: NOBLE ARCHITECTURAL BLOCK COLOUR: CHARCOAL FINISH: BUFF SIZE: 7 5/8" H. x 3 3/8 D. x 23 5/8" L. MORTAR COLOUR: NATURAL GREY OR PRODUCT: CAMBRIDGE SERIES COLOUR: DIAMOND BLACK FINISH: BUFF SMOOTH	MANUFACTURER: PERMACON GROUP DISTRIBUTED BY: PERMACON GROUP MILTON, ON. CONTACT: MARIO NUNES CELL: (416) 578--1903 TEL: (519) 740--6000 EMAIL: mnunes@permacon.ca RICHVALE YORK BLOCK INC. CORMLEY, ON CONTACT: LUCIANO TESEO TEL: 416--213--7444 EXT. 236 ORDER DESK: 416--213--7447 EMAIL: lteseo.richvaleyork@bellnet.ca		CONCRETE BLOCK BASE
65	DOOR & WINDOW FRAMES	CLEAR ANODIZED ALUMINUM	CATEGORY: ALUMILITE CLEAR ANODIZED FINISH COLOUR: #17 CLEAR	MANUFACTURER: KAWNEER CONTACT: SUSIE DAGRACA TEL: (905) 673--5400	EXTERIOR CAULKING PRODUCT: TREMCO COLOUR: ANODIZED ALUM.	EXTERIOR GLAZING
66	SPANDREL GLAZING	GREY	SNG--CSG--30 (OR APPROVED EQUAL) COLOUR: #3--1850 'KENDALL CHARCOAL' (BENJAMIN MOORE #HC--166)	ICD COATINGS TEL: (360) 546--2286	SUBMIT SAMPLE FOR APPROVAL	EXTERIOR SPANDREL GLAZING
67a	ALUMINUM COMPOSITE PANEL	BRIGHT SILVER METALLIC		AS PER THE LBBR		CANOPIES ONLY
67b	PREFINISHED METAL FLASHING	BRIGHT SILVER METALLIC		AS PER THE LBBR		PARAPET & MISC. FLASHINGS
68	POWDERCOAT PAINT	MEDIUM GREY	COLOUR: IRON GLIMMER P3 (FOR EXTERIOR USE) PRODUCT ID: 49/70200 TYPE: POLYESTER FINISH: METALLIC	TIGER DRYLAC CANADA INC. GUELPH, ONTARIO TEL: (519) 766--4781		EXTERIOR DISPLAY BANNER HARDWARE LOCATED ON BRICK PIERS
69	POWDERCOAT PAINT	MEDIUM GREY	MATHEWS PAINT-- MPC 101 #2 MP12734 GARRISON MATTE FINISH --2 COATS	FORWARD SIGNS CONTACT: MARLENE BUSSINEAU EMAIL:marlene.bussineau@forwardsigns.com		EXTERIOR 'LCBO' ILLUMINATED TRIM CAPS
70	RESERVED					

EXTERIOR FINISHES -- ATYPICAL OPTION

NO.	MAT'L	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
65	DOOR & WINDOW FRAMES	CLEAR ANODIZED ALUMINUM	CATEGORY: ALUMILITE CLEAR ANODIZED FINISH COLOUR: #17 CLEAR	MANUFACTURER: KAWNEER CONTACT: SUSIE DAGRACA TEL: (905) 673--5400	EXTERIOR CAULKING PRODUCT: TREMCO COLOUR: ANODIZED ALUM.	EXTERIOR GLAZING
66	SPANDREL GLAZING	GREY	SNG--CSG--30 (OR APPROVED EQUAL) COLOUR: #3--1850 'KENDALL CHARCOAL' (BENJAMIN MOORE #HC--166)	ICD COATINGS TEL: (360) 546--2286	SUBMIT SAMPLE FOR APPROVAL	EXTERIOR SPANDREL GLAZING
68	POWDERCOAT PAINT	MEDIUM GREY	COLOUR: IRON GLIMMER P3 (FOR EXTERIOR USE) PRODUCT ID: 49/70200 TYPE: POLYESTER FINISH: METALLIC	TIGER DRYLAC CANADA INC. GUELPH, ONTARIO TEL: (519) 766--4781		EXTERIOR DISPLAY BANNER HARDWARE LOCATED ON BRICK PIERS
77	CONCRETE BLOCK	LIGHT GREY	PRODUCT: CAMBRIDGE SERIES COLOUR: ONYX FINISH: SMOOTH MORTAR COLOUR TO MATCH	RICHVALE YORK BLOCK INC. CORMLEY, ON CONTACT: LUCIANO TESEO TEL: 416--213--7444 EXT. 236 ORDER DESK: 416--213--7447 EMAIL: lteseo.richvaleyork@bellnet.ca		CONCRETE BLOCK BASE
80	PREFINISHED SIDING	GREY	HARDIE--PLANK LAP SIDING COLOUR: ARCHITECTURAL BEIGE TEXTURE: SELECT CEDARMILL WIDTH: 6.25" (5" EXPOSURE)	MANUFACTURER: JAMES HARDIE TEL: 1--866--4--HARDIE		EXTERIOR CLADDING (FIELD)
81	PREFINISHED SIDING TRIM BOARDS	CREAM	HARDIE--PLANK LAP SIDING COLOUR: SAIL CLOTH WIDTH: 4.5"	MANUFACTURER: JAMES HARDIE TEL: 1--866--4--HARDIE		EXTERIOR CLADDING (TRIM)
82	RESERVED					
83	PAINT	GREY	COLOUR #HC--95 'SAG HARBOR GRAY' FINISH: ALKYD, LOW LUSTRE	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, STE 100 CONTACT: GLORIA RINALDI T: (905) 761--4819 C:416--428--6461	SUBMIT SAMPLE FOR APPROVAL	WAREHOUSE MAN DOORS (EXTERIOR SIDE ONLY) USED W/ EXTERIOR SIDING ONLY

EXTERIOR FINISHES -- EIFS OPTION

NO.	MAT'L	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
26A	PAINT	GREY	COLOUR: #HC--107 'GETTYSBURG GREY' FINISH: ALKYD, LOW LUSTRE	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, STE 100 CONTACT: GLORIA RINALDI T: (905) 761--4819 C:416--428--6461	SUBMIT SAMPLE FOR APPROVAL	WAREHOUSE MAN DOORS (EXTERIOR SIDE ONLY) USED W/ DRYVIT EXTERIOR #85
64	CONCRETE BLOCK (BASE)	DARK GREY	PRODUCT: NOBLE ARCHITECTURAL BLOCK COLOUR: CHARCOAL FINISH: BUFF SIZE: 7 5/8" H x 3 3/8 D. x 23 5/8" L. MORTAR COLOUR: NATURAL GREY OR PRODUCT: CAMBRIDGE SERIES COLOUR: DIAMOND BLACK FINISH: BUFF SMOOTH	MANUFACTURER: PERMACON GROUP DISTRIBUTED BY: PERMACON GROUP MILTON, ON. CONTACT: MARIO NUNES CELL: (416) 578--1903 TEL: (519) 740--6000 EMAIL: mnunes@permacon.ca RICHVALE YORK BLOCK INC. CORMLEY, ON CONTACT: LUCIANO TESEO TEL: 416--213--7444 EXT. 236 ORDER DESK: 416--213--7447 EMAIL: lteseo.richvaleyork@bellnet.ca		CONCRETE BLOCK BASE
65	DOOR & WINDOW FRAMES	CLEAR ANODIZED ALUMINUM	CATEGORY: ALUMILITE CLEAR ANODIZED FINISH COLOUR: #17 CLEAR	MANUFACTURER: KAWNEER CONTACT: SUSIE DAGRACA TEL: (905) 673--5400	EXTERIOR CAULKING PRODUCT: TREMCO COLOUR: ANODIZED ALUM.	EXTERIOR GLAZING
66	SPANDREL GLAZING	GREY	SNG--CSG--30 (OR APPROVED EQUAL) COLOUR: #3--1850 'KENDALL CHARCOAL' (BENJAMIN MOORE #HC--166)	ICD COATINGS TEL: (360) 546--2286	SUBMIT SAMPLE FOR APPROVAL	EXTERIOR SPANDREL GLAZING
68	POWDERCOAT PAINT	MEDIUM GREY	COLOUR: IRON GLIMMER P3 (FOR EXTERIOR USE) PRODUCT ID: 49/70200 TYPE: POLYESTER FINISH: METALLIC	TIGER DRYLAC CANADA INC. GUELPH, ONTARIO TEL: (519) 766--4781		EXTERIOR DISPLAY BANNER HARDWARE LOCATED ON BRICK PIERS
77	CONCRETE BLOCK BASE	LIGHT GREY	PRODUCT: CAMBRIDGE SERIES COLOUR: ONYX FINISH: SMOOTH MORTAR COLOUR TO MATCH	RICHVALE YORK BLOCK INC. CORMLEY, ON CONTACT: LUCIANO TESEO TEL: 416--213--7444 EXT. 236 ORDER DESK: 416--213--7447 EMAIL: lteseo.richvaleyork@bellnet.ca		CONCRETE BLOCK BASE
78--79	RESERVED					
84	DRYVIT	YELLOW	SANDBLAST DPR #444A LCBO CARAMEL	DRYVIT SYSTEMS CANADA LTD. CONTACT: ANDREAS LUETH TEL: (905) 856--7310 EXT. 29	SUBMIT SAMPLE FOR APPROVAL	EXTERIOR WALLS
85	DRYVIT	GREY	SANDPEBBLE FINE DPR LCBO STERLING	DRYVIT SYSTEMS CANADA LTD. CONTACT: ANDREAS LUETH TEL: (905) 856--7310 EXT. 29	SUBMIT SAMPLE FOR APPROVAL	EXTERIOR WALLS

WAYFINDING FINISHES

NO.	MAT'L	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
86B	PAINT	LIGHT GREY	PRODUCT: BENJAMIN MOORE ACRYLIC INT LATEX COLOUR:TBD COLOUR:TBD FINISH: GLOSSY	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ONT. L5N 7G2 TEL: (905) 813--3700		WAYFINDING CRESTS
87B	PAINT	BLACK	PRODUCT: BENJAMIN MOORE ACRYLIC INT LATEX COLOUR:#2133--10 COLOUR:'ONYX' FINISH: SATIN	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ONT. L5N 7G2 TEL: (905) 813--3700		WAYFINDING SIGNAGE LETTERS
88B	PAINT	WHITE	PRODUCT: BENJAMIN MOORE ACRYLIC INT LATEX COLOUR:OC--118 COLOUR:'SNOWFALL WHITE' FINISH: SATIN	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ONT. L5N 7G2 TEL: (905) 813--3700		WAYFINDING SIGNAGE LETTERS

GENERAL NOTES:

1. THE FINISH SCHEDULE IS A STANDARD DOCUMENT. NOT ALL LISTED FINISHES APPLY TO THIS SPECIFIC PROJECT. CONTRACTOR SHALL REFER TO ALL OTHER SUPPORTING DRAWINGS AND SPECIFICATIONS.
2. CONTRACTOR AND ALL SUB--TRADES SHALL VERIFY ALL SITE DIMENSIONS, ALL DRAWINGS, DETAILS AND SPECIFICATIONS AND REPORT ANY DISCREPANCIES TO LCBO IN WRITING FOR APPROVAL BEFORE PROCEEDING WITH THE WORK.
3. CONTRACTOR AND SUB--CONTRACTORS, BEFORE PROCEEDING WITH WORK, MUST SUBMIT ALL NECESSARY SAMPLES FOR APPROVAL OF QUALITY AND FINISH TO LCBO.
4. CONTRACTOR MUST COMPLY WITH THE CONTRACT DOCUMENTS, PERFORMANCE REQUIREMENTS, APPLICABLE CODES AND REGULATIONS.
5. **EXPOSED RETAIL AREA CEILINGS FINISH:** ALL EXIST. AND NEW EXPOSED CEILING STRUCTURE (U/S OF SLAB, MECH DUCTING, PLUMBING, PIPING, ALL BASE BLDG. SERVICES, ALL UNISTRUTS, CONDUITS, ETC.) TO RECEIVE PT. FIN. NO. 14 THROUGHOUT (TYP.).
6. **WAREHOUSE AREA CEILINGS FINISH:** EXPOSED CEILING STRUCTURE, DUCTING, CONDUITS, ETC. TO RECEIVE PT. FIN. NO. 14 TYPICAL THROUGHOUT.
7. **SEALED CONCRETE FINISH: (EXPOSED VERTICAL CONCRETE IN RETAIL) :** EXPO

SEALED CONCRETE FINISH: (EXPOSED VERTICAL CONCRETE IN RETAIL)

EXPOSED VERTICAL CONCRETE IN RETAIL AND OTHER AREAS AS NOTED.
(REFER TO DWGS. A1.00 & A1.01).
REMOVE/GRIND ALL CONCRETE RIDGES, FINS, BULGES OR CONCRETE SLURRY AND FILL VOIDS LARGER THAN 1" DIA AND AREAS WITH EXTENSIVE HONEYCOMBING WITH A CEMENT MORTAR CONTAINING AN APPROVED LATEX BONDING AGENT. AFTER MORTAR STIFFENS, WIPE THE WHOLE SURFACE CLEAN SUCH THAT NO MATERIAL REMAINS ON THE SURFACE, EXCEPT THAT WITHIN THE VOIDS.
AFTER THE APPLIED MORTAR HAS DRIED/CURED APPLY TWO (2) COATS OF SATIN CLEAR URETHANE.
PROVIDE SAMPLE/MOCK-UP/PRODUCT DATA FOR REVIEW BY CONSULTANT/LCBO PRIOR TO PROCEEDING.

ROOM FINISH SCHEDULE

ROOM No.	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	FLOOR BASE	WALLS MATERIAL	WALLS FINISH	WALLS COLOR	CEILING MATERIAL	CEILING FINISH	CEILING COLOR	REMARKS
100	VESTIBULE	EXIST. CONC.	FIN. No. 43 PORCELAIN FLOOR TILE	FIN. No. 43 PORCELAIN	DRYWALL	PT. FIN. 21B	WHITE	DRYWALL	PT. FIN. 14	WHITE	TRANSITION BORDER TILE FIN. No.42 FROM VESTIBULE TO RETAIL. PROVIDE 4"H x 12" TILE BASE CUT FROM SPECIFIED FLOOR TILE.
101	RETAIL / VINTAGES	EXIST. CONC.	RETAIL & VINTAGES: FIN. No. 42 PORCELAIN FLOOR TILE	FIN. No 42 PORCELAIN FLOOR TILE	DRYWALL	REFER TO INTERIOR ELEVATIONS	REFER TO FINISHES SCHEDULE	EXPOSED	PT. FIN. 14	WHITE	-REFER TO INTERIOR ELEVATIONS FOR FINISHES. -EXPOSED RETAIL CEILING INCLUDING STEEL STRUCT, MECH DUCTS, ELECT WIRES AND PLUMBING LINES TO BE PAINTED PT. FIN. NO.14. -REFER TO INTERIOR ELEVATION FOR CHANGES IN WALL FIN. -FOR COLUMNS AND EXPOSED CONCRETE IN RETAIL AREA, REFER TO NOTE ABOVE THIS TABLE. (SEALED CONCRETE FINISH)
102	OFFICE	EXIST. CONC.	FIN. No. 42 PORCELAIN FLOOR TILE	FIN. No. 42 PORCELAIN BASE	DRYWALL	PT. FIN. 14	WHITE	T-BAR	FIN. 36	WHITE	PROVIDE 4"H x 12" TILE BASE CUT FROM SPECIFIED FLOOR TILE
103	BEER ALCOVE	EXIST. CONC.	FIN. No. 42 PORCELAIN FLOOR TILE	FIN. No. 42 PORCELAIN BASE	DRYWALL	REFER TO INTERIOR ELEVATIONS	REFER TO FINISHES SCHEDULE	EXPOSED	PT. FIN. 14	WHITE	-PROVIDE 4"H x 12" TILE BASE CUT FROM SPECIFIED FLOOR TILE -REFER TO INTERIOR ELEVATIONS FOR PAINT FINISHES, AND CHANGES IN WALL FINISHES. -APPLY ANTI-FUNGAL PAINT ON WALLS IMMEDIATELY BEHIND ALL REFRIGERATION UNITS TO MATCH FIN. 20B (TYP.). -ALL EXPOSED CEILING ELEMENTS (ROOF DECK, TRUSSES, BEAMS, DUCTING, CONDUIT, PLUMBING ETC.,) TO BE PAINTED TO MATCH PT. FIN. 14.
104	WAREHOUSE	EXIST. CONC.	EXIST. CONC. W/HARDENER SEALER	FIN. No.41 VINYL BASE	DRYWALL W/ PLYWOOD PANELS (GOOD ONE SIDE)	PT. FIN.14	WHITE	EXPOSED/ DRYWALL	PT. FIN. 14	WHITE	-SEMI-GLOSS PAINT FIN. ON WAREHOUSE CEILINGS. -EXPOSED WAREHOUSE CEILING INCLUDING STEEL STRUCTURE, MECH. DUCTS, ELECT LINES AND PLUMBING LINES TO BE PAINTED PT. FIN. 14. -REFER TO PARTITION PLAN FOR PLYWOOD REQUIREMENTS. -PROVIDE VINYL BASE No.41. NOTE: IN WAREHOUSE CORRIDORS WHERE WALL BASE IS SUSCEPTIBLE TO WEAR AND TEAR FROM FLOOR PALLETS AND STORED PRODUCTS, DO NOT PROVIDE VINYL WALL BASE
105	JANITOR CLOSET	EXIST. CONC.	EXIST. CONC. W/HARDENER SEALER	-	CEMENT BOARD	PT. FIN.14A	WHITE	DRYWALL	PT. FIN.14A	WHITE	-HIGH HUMIDITY FINISH ON ALL WALLS. SEE SPECS. -PROVIDE CONTINUOUS ANTI-BACTERIAL SEALANT AT ALL WALL BASE AT FLOOR JUNCTION
106	UNISEX W/RM	EXIST. CONC.	FIN. No. 40 PORCELAIN FLOOR TILE	FIN. No. 40 PORCELAIN BASE	DRYWALL	PT. FIN. 14 TILE No. 39	WHITE	T-BAR	FIN. 36	WHITE	EGGSHELL ON WALLS. PROVIDE 4"H x 12" TILE BASE CUT FROM SPECIFIED FLOOR TILE. PROVIDE FIN. No 39. CERAMIC WALL TILE (REFER TO WASHROOM ELEVATIONS)
107	UNIV. W/RM	EXIST. CONC.	FIN. No. 40 PORCELAIN FLOOR TILE	FIN. No. 40 PORCELAIN BASE	DRYWALL	PT. FIN. 14 TILE No. 39	WHITE	T-BAR	FIN. 36	WHITE	EGGSHELL ON WALLS. PROVIDE 4"H x 12" TILE BASE CUT FROM SPECIFIED FLOOR TILE PROVIDE FIN. No 39. CERAMIC WALL TILE (REFER TO WASHROOM ELEVATIONS)
108	STAFF ROOM	EXIST. CONC.	FIN. No. 40 PORCELAIN FLOOR TILE	FIN. No. 40 PORCELAIN BASE	DRYWALL	PT. FIN. 14 TILE No. 39	WHITE	T-BAR	FIN. 36	WHITE	EGGSHELL ON WALLS. PROVIDE 4"H x 12" TILE BASE CUT FROM SPECIFIED FLOOR TILE
109	MECH. ROOM	-	-	-	-	-	-	-	-	-	N.I.C

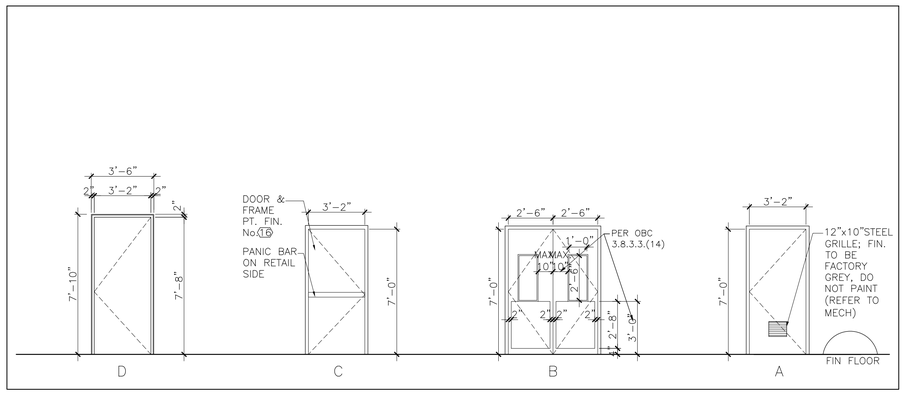
Finish Schedule 2
Scale: N..T.S A4.01

DOOR SCHEDULE GENERAL NOTES:

1. REFER TO SPECIFICATION SECTION 08 70 00 FOR DOOR HARDWARE AND HARDWARE SCHEDULE.
2. ALL LOCKS THAT GAIN ACCESS TO LCBO'S PREMISES FROM THE OUTSIDE WILL BE TYPICAL MEDECO TYPE KEYED ALIKE. G.C TO MARK THIS KEY AS "ENTRANCE"
   THE FOLLOWING LOCATIONS:
   -D100 ENTRANCE DOOR
   -SECURITY GRILLE
   -D101
   -D102
3. ALL LOCKS THAT ARE FOR OPERATIONAL NEEDS WILL BE KEYED ALIKE, HIGH QUALITY TYPE MECHANISM. G.C TO MARK THIS KEY AS "OPERATIONAL ITEMS", I.E:
   -D102 OFFICE DOOR.
   -LOCK FOR UPS.
   -PADLOCKS FOR ROLL-UP RECEIVING DOOR.
   -LOSS PREVENTION CAGE IN WAREHOUSE, ETC. HIGH QUALITY TYPE MECHANISM.
   -RETAIL LOCKABLE FIXTURES.
   -D107 UNIVERSAL WASHROOM.
4. WAREHOUSE DOOR GRILLES SHALL BE FACTORY GREY. FIRE-RATED DOOR GRILLES (WHERE APPLICABLE) SHALL NOT BE PAINTED, SHALL BE FINISHED FACTORY GREY.

ABBREVIATIONS:

HM	-HOLLOW METAL
PT.	-PAINT
ALUM.	-ALUMINUM
VI	-VISION GLASS
GL	-GLASS/GLAZING
PT.	-PAINT
PREFIN.	-PREFINISHED
LAM	-LAMINATED GLASS
TEMP.	-TEMPERED GLASS
CONC.	-CONCRETE
FIN.	-FINISH

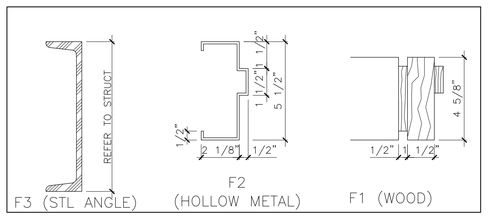


Door Types 5
Scale: N.T.S. A401

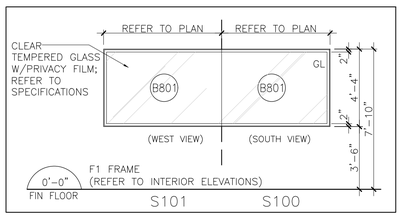
DOOR SCHEDULE

	LOCATION	SIZE W x H x D	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLASS	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FIRE RATING	REMARKS
D100	EXTERIOR TO VESTIBULE	EXIST.	-	-	-	-	-	-	-	-	EXIST. DOOR BY L.L
D101	VESTIBULE TO RETAIL	EXIST.	-	-	-	-	-	-	-	-	EXIST. DOOR BY L.L
D102	RETAIL TO VESTIBULE	EXIST.	-	-	-	-	-	-	-	-	EXIST. DOOR BY L.L
D103	RETAIL TO OFFICE	3'-2" x 7'-8" x 1 3/4"	D	SOLID WOOD W/VENEER	FIN. PL05 REFER TO STD DET'L B803	-	F1	SOLID WOOD	SOLID WOOD FIN WD29 (REFER TO STD DET'L B803)	-	SET CLOSER AT 90 DEGREES. STAINLESS STEEL KICK PLATE ON RETAIL SIDE ONLY (DOOR AND FRAME BY MILLWORK CONTRACTOR)
D104	RETAIL TO WAREHOUSE	2-2'-6" x 7'-0" x 1 3/4"	B	REFER TO SPEC	REFER TO SPEC	-	F3	METAL	PT. FIN. #20B (TO MATCH ADJACENT WALL)	-	IMPACT TRAFFIC DOORS, SEE SPEC SECTION 08 38 19:
D105	JANITOR CLOSET	3'-2" x 7'-0" x 1 3/4"	A	HM	PT FIN. #27	-	F2	HM	PT FIN. #27	0 HR.	SEE MECHANICAL FOR DOOR GRILLE REQUIREMENTS. SEE NOTE-4
D106	UNISEX W/RM	3'-2" x 7'-0" x 1 3/4"	A	HM	PT FIN. #27	-	F2	HM	PT FIN. #27	-	SEE MECHANICAL FOR DOOR GRILLE REQUIREMENTS.
D107	UNIV. W/RM	3'-2" x 7'-0" x 1 3/4"	A	HM	PT FIN. #27	-	F2	HM	PT FIN. #27	-	SEE MECHANICAL FOR DOOR GRILLE REQUIREMENTS. POWER ASSIST SWING DOOR OPERATOR C/W 2 PUSH BUTTONS (SEE SPECS).
D108	WAREHOUSE TO STAFF ROOM	3'-2" x 7'-0" x 1 3/4"	A	HM	PT FIN. #27	-	F2	HM	PT FIN. #27	-	SEE MECHANICAL FOR DOOR GRILLE REQUIREMENTS.
D109	RETAIL TO WAREHOUSE	3'-2" x 7'-0" x 1 3/4"	C	HM	DOOR FINISH TO MATCH IMPACT DOORS FINISH	=	F2	HM	SEMI-GLOSS SHEEN ALKYD TO MATCH ADJACENT WALL FIN. 20B	-	GC TO SUPPLY & INSTALL PANIC BAR (REFER TO SPECIFICATIONS); "EMERGENCY EXIT ONLY" SIGNAGE PROVIDED BY LCBO SIGNAGE VENDOR; SET CLOSER TO 90 DEGREES; NO GRILLE REQUIRED
D110	WAREHOUSE TO LOADING AREA	EXIST.	-	-	PT FIN. #27 (LCBO WAREHOUSE SIDE ONLY)	-	-	-	PT FIN. #27 (LCBO WAREHOUSE SIDE ONLY)	-	EXISTING DOOR BY LANDLORD. HARDWARE BY LCBO G.C (4 POINT LOCK SYSTEM. REFER TO SPEC FOR G.C PROVISIONS. **G.C TO SITE CONFIRM EXIST DOOR HEIGHT PRIOR TO FABRICATION/ORDERING OF 4 POINT LOCK SYSTEM
D111	WAREHOUSE TO MECH.	EXIST.	-	-	PT FIN. #27 (LCBO WAREHOUSE SIDE ONLY)	-	-	-	PT FIN. #27 (LCBO WAREHOUSE SIDE ONLY)	-	EXIST. DOOR BY L.L
D112	WAREHOUSE TO SHARED LOADING	EXIST.	-	-	-	-	-	-	-	-	EXIST. O/H DOOR BY L.L

Door Schedule 1
Scale: N.T.S A4.01



Door Frame Types 4
Scale: N.T.S. A4.01



Screen Types 3
Scale: N.T.S A4.01

IBI

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136 Dupont Street
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M5R 1V2
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Fax: 416-929-4298



General Notes

1. ALL DIMENSIONS IN IMPERIAL.
2. VERIFY ALL DIMENSIONS.
3. DO NOT SCALE DRAWINGS.
4. CHECK DRAWINGS AGAINST SPECIFICATIONS.
5. USE THE LATEST REVISED DRAWINGS ONLY.
6. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SCHEDULES, DISCOVERED ERRORS, OR OMISSIONS, TO THE ARCHITECT AND LCBO DURING TENDER PERIOD AND BEFORE PROCEEDING WITH ANY WORK.
7. DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT, AND MUST BE RETURNED UPON COMPLETION OF WORK.
8. TO VIEW A LIST OF BIDDERS FOR THIS PROJECT, PLEASE GO TO: WWW.BIDDINGO.COM/LCBO

Rev.	Date	Description	Initial
6	2020-08-25	Issued for Tender	LG
5	2019-12-09	Issued for Permit	LG
4	2019-09-05	Issued for 100% Design Review	LG
3	2019-07-15	Issued for 90% Design Review	LG
2	2019-06-26	Issued for 60% Design Review	LG
1	2019-05-07	Issued for 30% Design Review	LG

Tender
Issued for:

2020-08-25
Issue Date

Project No.	Scale	Drawn by	Checked by
120707	1/8" = 1'-0"	LG	VG

LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project

Room Finish Schedule,
Door Schedule,
Door Frames & Screen Types
Drawing Title

A4.01
Sheet No.

GENERAL

1. THIS IS A IMPERIAL PROJECT. UNLESS OTHERWISE NOTED, ALL LENGTHS ARE IN FEET / INCHES.
2. ALL REFERENCED STANDARDS SHALL BE THE CURRENT EDITION OF THE EDITION REFERENCED BY THE APPLICABLE BUILDING CODE IN FORCE AT THE TIME OF BUILDING PERMIT APPLICATION.
3. "WSP–S" REFERS TO WSP CANADA INC STRUCTURAL CONSULTANT.
4. PROVIDE ALL MATERIAL AND LABOUR REQUIRED FOR COMPLETION OF THE WORK.
5. PRIOR TO CONSTRUCTION, REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH DRAWINGS PROVIDED BY ALL OTHER CONSULTANTS, AND WITH EXISTING CONDITIONS.
6. REPORT DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
7. VERIFY EXISTING DIMENSIONS AND CONDITIONS ON SITE PRIOR TO CONSTRUCTION.
8. USE THESE DRAWINGS ONLY FOR THE PURPOSE IDENTIFIED IN THE REVISIONS COLUMN. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION".
9. DO NOT USE INFORMATION ON THESE DRAWINGS FOR ANY OTHER PROJECT OR WORKS.
10. DO NOT SCALE THESE DRAWINGS.
11. ALL SECTIONS, DETAILS, AND STATEMENTS NOTED AS "TYPICAL" APPLY TO LIKE/SIMILAR CONDITIONS IN THE STRUCTURE.
12. SEE ARCHITECTURAL DRAWINGS FOR FIRE RATING AND FIREPROOFING REQUIREMENTS.
13. STRUCTURAL DESIGN ASSUMES NON–LOAD RESTRICTED ULC FIRE RATED ASSEMBLIES, AND APPROPRIATE MATERIALS MUST BE USED.
14. DRAWINGS SHOW COMPLETED STRUCTURE ONLY. THEY DO NOT SHOW TEMPORARY WORKS FOR WHICH THE CONTRACTOR IS RESPONSIBLE AND WHICH MAY BE REQUIRED FOR EXECUTION OF THE PROJECT. THE CONTRACTOR TO ESTABLISH CONSTRUCTION PROCEDURE AND SEQUENCE TO ENSURE SAFETY OF THE WHOLE STRUCTURE AND ALL ITS COMPONENTS DURING ERECTION.
15. MAKE ADEQUATE PROVISIONS FOR ALL LOADS ACTING ON THE STRUCTURE DURING ERECTION. PROVIDE TEMPORARY SHORING AND BRACING TO KEEP THE STRUCTURE PLUMB AND IN TRUE ALIGNMENT DURING CONSTRUCTION.
16. DESIGN OF ALL TEMPORARY WORKS TO BE CARRIED OUT BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED IN THE PLACE WHERE THE PROJECT IS LOCATED.
17. CONSTRUCTION LOADS ON COMPLETED STRUCTURE NOT TO EXCEED DESIGN LOADS INDICATED ON DRAWINGS. FULL DESIGN LOADS MAY ONLY BE APPLIED AFTER THE CONCRETE REACHES ITS DESIGN STRENGTH.

DESIGN CRITERIA

1. STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2012 ONTARIO BUILDING CODE (OBC), SUPPLEMENTED BY THE 2010 NATIONAL BUILDING CODE OF CANADA STRUCTURAL COMMENTARY.
2. ALL REFERENCED STANDARDS SHALL BE THE CURRENT EDITION OF THE EDITION REFERENCED BY THE APPLICABLE BUILDING CODE IN FORCE AT THE TIME OF BUILDING PERMIT APPLICATION.
3. THE VALUES FOR CLIMATIC DATA USED IN THE DETERMINATION OF DESIGN LOADS HAVE BEEN OBTAINED FROM THE 2012 OBC FOR THE SPECIFIC LOCATION OF OTTAWA.
4. BASED ON THE USE AND OCCUPANCY, THE BUILDING IS DESIGNED TO THE REQUIREMENTS OF A NORMAL IMPORTANCE CATEGORY.
5. SELF WEIGHT (SWT) IS DUE TO THE WEIGHT OF THE STRUCTURE ITSELF. IT VARIES WITH THE STRUCTURAL SYSTEM.
6. SUPERIMPOSED DEAD LOADS (SDL) ARE NON–STRUCTURAL DEAD LOADS DUE TO NON–STRUCTURAL TOPPINGS, FINISHES, PARTITIONS, ROOFING MATERIALS, SUSPENDED EQUIPMENT, PAVERS, SOIL, ETC.
7. DEAD LOAD (DL) IS THE SELF WEIGHT OF THE STRUCTURE PLUS THE SUPERIMPOSED DEAD LOAD.
8. UNLESS OTHERWISE NOTED, DESIGN LOADS SHOWN ON DRAWINGS ARE SPECIFIED (UNFACTORED) LOADS, TO BE USED FOR ULS DESIGN. FOR SLS DESIGN, THESE LOADS CAN BE REDUCED BY MULTIPLYING WITH THE RATIO OF APPROPRIATE IMPORTANCE FACTORS Ix(SLS) / Ix(ULS) GIVEN BELOW.
9. IF ONLY ONE VALUE IS GIVEN FOR A POINT LOAD, CONSIDER IT LIVE LOAD.
10. FOR CONNECTION LOADS, "+" SIGN INDICATES TENSION AND "–" SIGN INDICATES COMPRESSION, EXCEPT FOR COLUMN LOADS WHERE "+" SIGN INDICATES COMPRESSION AND "–" SIGN INDICATES TENSION.
11. SEISMIC

Sa (0.2) = 0.630
Sa (0.5) = 0.310
Sa(1.0) = 0.140 Ie = 1.0
Sa(2.0) = 0.048 SITE CLASSIFICATION = A
PGA = 0.320
NON STRUCTURAL ELEMENTS MUST BE CONNECTED TO THE BUILDING FOR A FORCE IN ACCORDANCE WITH 4.1.18 OF THE OBC
Vp=0.3*Fa*Sa(0.2)*Ie*Sp*Wp

SHOP DRAWINGS

1. SUBMIT 4 HARD COPIES OR PDF'S OF SHOP DRAWINGS FOR REVIEW BEFORE START OF WORK. PACKAGES TO BE SUBMITTED ARE NOTED IN THE RELEVANT SECTIONS BELOW.
2. REVIEW OF SHOP DRAWINGS BY WSP–S IS ON A SAMPLING BASIS, FOR GENERAL CONFORMITY WITH STRUCTURAL CONTRACT DOCUMENTS. IT IS NOT A DETAILED CHECK AND MUST NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF HIS RESPONSIBILITY TO MAKE THE WORK ACCURATE AND IN CONFORMITY WITH ALL THE CONTRACT DOCUMENTS, TO REVIEW SHOP DRAWINGS AND TO COORDINATE WORK OF INTERFACING TRADES AND MANUFACTURE OF INTERFACING PRODUCTS.
3. REVIEW OF SHOP DRAWINGS DOES NOT IMPLY ANY CHANGE IN ANY OTHER CONSULTANTS' OR PROFESSIONALS' RESPONSIBILITIES RELATED TO DESIGN OF SPECIFIC ITEMS AS OUTLINED BY THESE DRAWINGS.
4. ALLOW A MINIMUM OF 10 WORKING DAYS FOR REVIEW OF EACH SUBMISSION OF SHOP DRAWINGS IN THE STRUCTURAL CONSULTANT'S OFFICE. ALLOW MORE TIME WHEN LARGE QUANTITIES OF SHOP DRAWINGS ARE SUBMITTED. SUBMIT IN GENERAL CONFORMITY WITH THE SEQUENCE OF CONSTRUCTION INTENDED.
5. AFTER REVIEW, SHOP DRAWINGS WILL BE STAMPED AND RETURNED. DO NOT COMMENCE FABRICATION UNTIL RETURNED SHOP DRAWINGS HAVE BEEN EXAMINED.
6. SHOP DRAWINGS MARKED 'REVIEWED' CAN BE USED FOR FABRICATION.
7. SHOP DRAWINGS MARKED 'REVIEWED AS NOTED' CAN BE USED FOR FABRICATION AFTER THE REVISIONS NOTED ARE IMPLEMENTED.
8. SHOP DRAWINGS MARKED 'REVISE AND RESUBMIT' REQUIRE SUBSTANTIAL REVISIONS AND MUST BE RESUBMITTED FOR ADDITIONAL REVIEW PRIOR TO FABRICATION.
9. SHOP DRAWINGS MARKED "REVIEWED FOR IMPACT ON BASE STRUCTURE ONLY" SHOW WORKS WHICH ARE NOT WITHIN THE SCOPE OF STRUCTURAL CONSULTING SERVICES BUT AFFECT BEHAVIOUR OF THE BASE STRUCTURE. WSP–S CANADA INC. WILL NOT REVIEW THESE WORKS AND ASSUMES THAT THE INDICATED WEIGHTS AND ALL OTHER LOADS IMPOSED ON THE BASE STRUCTURE ARE CORRECTLY IDENTIFIED BY THE DESIGNER / SUPPLIER OF THESE ELEMENTS.
10. DRAWINGS MARKED 'NOT REVIEWED' SHOW WORKS WHICH ARE NOT WITHIN THE SCOPE OF STRUCTURAL CONSULTING SERVICES.

FIELD REVIEW

1. STRUCTURAL CONSULTANT WILL PROVIDE PERIODIC FIELD REVIEW OF A REPRESENTATIVE SAMPLE OF THE STRUCTURAL WORKS DETAILED ON THESE DRAWINGS FOR GENERAL CONFORMANCE WITH CONTRACT DOCUMENTS. THESE REVIEWS DO NOT REPLACE THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT AND MAINTAIN A QUALITY CONTROL PROGRAM, AND DO NOT MAKE WSP–S CANADA INC. A GUARANTOR OF THE CONTRACTOR'S WORK.
2. ASSIST THE CONSULTANTS DOING FIELD REVIEW, AND PROVIDE SAFE ACCESS TO WORK AREAS AS REQUIRED.
3. CHECK THE WORK PRIOR TO FIELD REVIEW TO CONFIRM IT IS COMPLETED AND IN ACCORDANCE WITH CONTRACT DOCUMENTS.
4. NOTIFY THE CONSULTANT 48 HOURS PRIOR TO CONCRETE POURS, BACKFILLING, AND COVERING UP THE STRUCTURE WITH FINISHES.

EXISTING STRUCTURE

1. EXISTING CONDITIONS ARE ASSUMED. SURVEY THE EXISTING STRUCTURE AFTER REMOVING FINISHES AND REPORT ANY VARIATIONS TO THE STRUCTURAL CONSULTANT BEFORE PROCEEDING WITH THE WORK
2. TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE EXISTING STRUCTURE DURING CONSTRUCTION.
3. SCHEDULE WORK TO MINIMIZE EFFECT ON THE EXISTING BUILDING OPERATION. USE EQUIPMENT AND PROCEDURES TO MINIMIZE NOISE, DUST AND VIBRATIONS. SUBMIT PROPOSED SCHEDULE FOR REVIEW BY THE CONSULTANT AND THE OWNER.
4. ALL DEMOLITION, SHORING, UNDERPINNING AND OTHER TEMPORARY WORKS TO BE DESIGNED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED IN THE PLACE WHERE THE PROJECT IS LOCATED. PREPARE DRAWINGS SIGNED AND SEALED BY THAT ENGINEER SHOWING DEMOLITION PROCEDURE AND SEQUENCE AND ALL THE NECESSARY SHORING.
5. UNDERTAKE CHIPPING, CUTTING, CORING, REPAIRS, PATCHING, AND REMOVAL OF DEBRIS. MAKE CUTS WITH THE PROPER SAWS AND BITS WHEN A CLEAN LINE IS REQUIRED.
6. DO NOT ALTER MATERIAL PROPERTIES OF THE STRUCTURAL STEEL WHICH IS TO REMAIN BY CUTTING AND DEMOLITION PROCEDURE.
7. MAKE GOOD ALL EXISTING WORK DISTURBED BY SHORING OPERATIONS, EXCAVATION AND OTHER CONSTRUCTION PROCEDURES.

STRUCTURAL STEEL

1. CONFORM TO CSA S16 'LIMIT STATES DESIGN OF STEEL STRUCTURES'.
2. FABRICATOR TO BE CERTIFIED BY THE CANADIAN WELDING BUREAU UNDER REQUIREMENTS OF CSA W47.1, DIVISION 1 OR 2, AND/OR CSA W55.3.
3. WELDERS TO BE CWB CERTIFIED. WELDING TO BE IN ACCORDANCE WITH CSA W59.
4. MATERIALS (TO CSA G40.21 UNLESS NOTED OTHERWISE):
   – WIDE FLANGE SECTIONS: GRADE 350W
   – CHANNEL, ANGLES, PLATES, BARS: GRADE 300W
   – HOLLOW STRUCTURAL SECTIONS (HSS): CSA G40.21 350W CLASS "C"
   – BOLTS, NUTS AND WASHERS: ASTM F3125, GRADE A325
   – ANCHOR RODS: GRADE 300W; OR ASTM F1554 GRADE 36
   – SHOP PAINT: CISC/CPMA 1–73A
   – SHOP PRIMER PAINT: CISC/CPMA 2–75
   – WELDING MATERIALS: CSA W48 AND CSA W59
5. SHOP DRAWINGS FOR STRUCTURAL STEEL AND STEEL CONNECTIONS TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR DESIGN, RETAINED BY THE CONTRACTOR AND REGISTERED IN THE PLACE THE PROJECT IS LOCATED. ENGINEER TO CARRY MINIMUM $1,000,000 IN LIABILITY INSURANCE.
6. CONNECT BEAMS FOR THE FORCES SHOWN ON DRAWINGS USING THE CISC 'HANDBOOK OF STEEL CONSTRUCTION'. IF NO FORCE IS INDICATED, CONNECT NON–COMPOSITE BEAMS FOR THE REACTION DUE TO MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE BEAM IN BENDING, AND CONNECT COMPOSITE BEAMS FOR ONE AND A HALF TIMES THE REACTION DUE TO MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE NON COMPOSITE SECTION IN BENDING.
7. WHERE SLOTTED CONNECTIONS ARE SHOWN ON STRUCTURAL DRAWINGS, FINGER TIGHTEN BOLTS TO A SNUG FIT AND BURR THREADS TO PREVENT NUTS FROM WORKING LOOSE.
8. DO NOT SPLICE SECTIONS WITHOUT PRIOR ACCEPTANCE BY THE CONSULTANT AND SUBMISSION OF PERTINENT SHOP DRAWINGS. ACCEPTED SPLICES TO DEVELOP THE FULL MOMENT CAPACITY OF THE SECTION. EACH SPLICE TO BE GIVEN A NON–DESTRUCTIVE TEST BY AN INDEPENDENT INSPECTION COMPANY ACCEPTABLE TO WSP–S. TESTING TO BE AT THE CONTRACTOR'S EXPENSE. EVALUATE RESULTS IN ACCORDANCE WITH CSA W59 AND REPORT TO WSP–S.
9. DO NOT CUT HOLES OR OTHERWISE MODIFY STRUCTURAL MEMBERS ON SITE.
10. PROTECT COMBUSTIBLE MATERIALS AND FINISHES DURING WELDING OPERATIONS.
11. UNLESS OTHERWISE NOTED, CLEAN STEEL TO SSPC SP1 (SOLVENT CLEANING) AND APPLY ONE COAT OF SHOP PAINT.
12. CLEAN STEEL WHICH WILL RECEIVE A FINISHED COAT OF PAINT ON SITE TO SSPC SP7 (BRUSH OFF BLAST CLEANING) AND APPLY SHOP PRIMER.
13. PROVIDE VENT HOLES IN HSS SECTIONS WHERE REQUIRED FOR GALVANIZING PROCESS. MAXIMUM SIZE 16 (5/8") DIAMETER. FILL WITH VENT HOLE PLUGS AFTER GALVANIZING.
14. PROVIDE ALL ERECTION BRACING REQUIRED TO KEEP THE STRUCTURE STABLE AND IN ALIGNMENT DURING CONSTRUCTION.

REJECTED WORK

1. DO NOT DELIVER MATERIALS WHICH ARE KNOWN NOT TO MEET THE REQUIREMENTS OF THE SPECIFICATIONS. IF REJECTED AFTER DELIVERY, REMOVE IMMEDIATELY FROM SITE.

REQUIRED DOCUMENTATION FOR SUBSTANTIAL PERFORMANCE AND FINAL GENERAL CONFORMANCE LETTERS–LCBO

- STRUCTURAL STEEL SHOP DRAWING FOR IMPACT DOOR AND CONDENSER UNIT FRAMING SIGNED AND SEALED BY A PROFESSIONAL ENGINEER.

DRAWING ABBREVIATIONS — TG-ABBR-01

ABUT	ABUTMENT	DW	DRAWING	fd	TENSION DEVELOPMENT LENGTH OF REBAR	SPEC	SPECIFICATIONS
ADD'L	ADDITIONAL	DWL	DOWEL	fdc	COMPRESSION DEVELOPMENT LENGTH OF REBAR	SPF	SPRUCE PINE FIR
AEC	ARCHITECTURALLY EXPOSED CONCRETE	EA	EACH	fdh	TENSION EMBEDMENT LENGTH WITH STANDARD HOOK	SR	STUD RAIL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	ECR	EPOXY COATED REINFORCEMENT	LE	LEFT END	SS	STAINLESS STEEL
AFB	ASPHALT IMPREGNATED FIBERBOARD	EBF	ECCENTRICALLY BRACED FRAME	LG	LONG	ST	STRAIGHT
ALT	ALTERNATE	EE	EACH END	LL	LOWER LEVEL	STD	STANDARD
ARCH	ARCHITECTURAL	EF	EACH FACE	LLH	LONG LEG HORIZONTAL	STE	SHEAR TRANSFER ELEMENTS
A-RDD	ANCHOR ROD	EJ, EXP JT	EXPANSION JOINT	LLV	LONG LEG VERTICAL	STG	STAGGERED
ASPH	ASPHALT	ELECT	ELECTRICAL	LONG	LONGITUDINAL	STIR	STIRRUP
AVG	AVERAGE	EL	ELEVATION	LSH	LONG SIDE HORIZONTAL	STIFF	STIFFENER
B, BOT	BOTTOM	ELEV	ELEVATOR	LP	LOW POINT	STL	STEEL
BOF	BOTTOM OF FOOTING	EMBED	EMBEDMENT	LWT	LIGHT WEIGHT	STR	SEISMIC STRAP
BOP	BOTTOM OF PILE	ENG	ENGINEER	MAX	MAXIMUM	STRUCT	STRUCTURAL
BCE	BOTTOM CHORD EXTENSION	EOD	EDGE OF DECK	MC	MOMENT CONNECTION (⟶⟵)	SWT	SELF WEIGHT
BCP	BORED CONCRETE PILE	EOS	EDGE OF SLAB	MECH	MECHANICAL	SYMM	SYMMETRICAL
BEW	BOTTOM EACH WAY	ES	EACH SIDE	MEZZ	MEZZANINE	t	THICKNESS
BLL	BOTTOM LOWER LAYER	EQ	EQUAL	MF	MOMENT FRAME	TB	TRANSFER BEAM
BP	BASE PLATE	EW	EACH WAY	MIN	MINIMUM	TBB	TOP BASIC BARS
BRG	BEARING	EX, EXIST	EXISTING	MISC	MISCELLANEOUS	T	TOP
BRP	BEARING PLATE	EXT	EXTERIOR	MJ	MOVEMENT JOINT	TDL	TENSION DEVELOPMENT LENGTH
BSMT	BASEMENT	FC	FUTURE COLUMN	ML	MIDDLE LAYER	TEW	TOP EACH WAY
BUL	BOTTOM UPPER LAYER	FD	FLOOR DRAIN	NF	NEAR FACE	T&G	TONGUE AND GROOVE
BUP	BOTTOM OF UNDERPINNING	FF	FAR FACE	NIC	NOT IN CONTRACT	TJ	TIE JOIST
C	CAMBER	FIN	FINISHED	NOM	NOMINAL	TLL	TOP LOWER LAYER
CA	COLUMN ABOVE ONLY (NO COLUMN BELOW)	FL	FLOOR	NTS	NOT TO SCALE	TO	TOP OF
CANT	CANTILEVER	FMC	FULL MOMENT CONNECTION (FOR FULL MOMENT CAPACITY)	O/C	ON CENTER	TOB	TOP OF (GRADE) BEAM
CAT	CATEGORY (FOR AESS)	FND	FOUNDATION	OD	OUTSIDE DIAMETER	TOC	TOP OF CONCRETE
CB	COLUMN BELOW ONLY (NO COLUMN ABOVE)	FTG	FOOTING	OF	OUTSIDE FACE	TOF	TOP OF FOOTING
CCL	COMPRESSION DEVELOPMENT LENGTH	GA	GAUGE	OPP	OPPOSITE	TOS	TOP OF STEEL
CEL	CUT OFF ELEVATION FOR PILES	GALV	GALVANIZED	OWSJ	OPEN WEB STEEL JOIST	TOP	TOP OF PILE
CIP	CAST-IN PLACE	GB	GRADE BEAM	PAF	POWDER ACTUATED FASTENERS	TOW	TOP OF WALL
CJ	CONTROL JOINT	GEN	GENERAL	PL	PLATE	TPC	TOP OF PILE CAP
CLR	CLEAR	GL	GRIDLINE	PROJ	PROJECT, PROJECTION	TRANS	TRANSVERSE
CL	CENTRELINE	GRD	GROUND	PS	PIPE SUPPORT	TSA	TENSION SPLICE "A"
CMU	CONCRETE MASONRY UNITS	h	TOTAL THICKNESS, SLAB THICKNESS AWAY FROM DROP PANEL	PT	POST TENSIONED	TSB	TENSION SPLICE "B"
CNT	STEEL DECK CORE NOMINAL THICKNESS	hd	SLAB OVERALL THICKNESS AT DROP PANEL	PTL	PRESSURE TREATED LUMBER	TUL	TOP UPPER LAYER
COMP	COMPOSITE	H, HORIZ	HORIZONTAL	R	RADIUS	TYP	TYPICAL
COL	COLUMN	I/B	HIGH BEAM	RA	ROOF ANCHOR	U-BAR	"U" SHAPED BAR
CONC	CONCRETE	HC	HOLLOWCORE	RD	ROOF DRAIN	UDB	UNIFORMLY DISTRIBUTED BARS
CONT	CONTINUOUS	HD	HOLD DOWN	RE	RIGHT END	UF	UNDERSIDE OF FOOTING
CONTD	CONTINUED	HDG	HOT DIPPED GALVANIZED	REINF	REINFORCEMENT	UL	UPPER LEVEL
CONST.J.	CONSTRUCTION JOINT	HEF	HORIZONTAL EACH FACE	REM	REMAINDER	ULS	ULTIMATE LIMIT STATE
CP	CONNECTION PLATE	HF	HORIZONTAL INSIDE FACE	REQ'D	REQUIRED	US	UNDERSIDE
CPL	CAP PLATE	HH	HOOK EACH END	REV	REVISION	UN, UNO	UNLESS NOTED OTHERWISE
CS	COMPRESSION LAP SPLICE	HC	HORIZONTAL IN CENTRE	RF	RIGID FRAME	UPT	UPTURNED
COV	CLEAR COVER	HOF	HORIZONTAL OUTSIDE FACE	RL	REFERENCE LINE	V, VERT	VERTICAL, VERTICALS
C/W	COMPLETE WITH, CONNECT WITH	HP	HIGH POINT	RSS	RETAINED SOIL SYSTEM	VB	VERTICAL BRACING
CWS	(SEE TO GENERAL NOTES)	HSC	HORIZONTAL SLOTTED CONNECTION	RTU	ROOF TOP UNIT	VEF	VERTICAL EACH FACE
CLS	(SEE TO GENERAL NOTES)	IBI	INTEGRITY BARS INTERIOR	RET. WALL	RETAINING WALL	VIF	VERTICAL INSIDE FACE
DCA	DRILLED CONCRETE ANCHOR, SEE GENERAL NOTES	IBE	INTEGRITY BARS EXTERIOR	R/W	REINFORCE WITH	VC	VERTICAL IN CENTRE
DEMO	DEMOLITION	IBA	INTEGRITY BARS ADDED	r.w.	REQUIRED WITH	VOF	VERTICAL OUTSIDE FACE
DET	DETAIL	IBB	INTEGRITY BOTTOM BARS (THROUGHOUT)	SDF	STEP DOWN FOOTING (IN DIRECTION OF ARROW)	VSC	VERTICALLY SLOTTED CONNECTION
D.F.R.L	DOUGLAS FIR-LARCH	ID	INSIDE DIAMETER	SEC	SECTION	WB	WALL BELOW
DIA, Ø	DIAMETER	INT	INTERIOR	SIM	SIMILAR	WC	WIND COLUMN
DIV	DIVIDER BEAM	IF	INSIDE FACE	SJ	STEEL JOIST	wo	WITHOUT
DMA	DRILLED MASONRY ANCHOR, SEE GENERAL NOTES	JG	JOIST GIRDER	SL	SLAB, SHELF ANGLE	WP	WORK POINT
DN	DOWN	KB	KNEE BRACING	SLBB	SHORT LEG BACK TO BACK	WSP-S	WSP STRUCTURAL
DNW	DOUBLE NUT AND WASHER	LL	LOW BEAM	SLS	SERVICEABILITY LIMIT STATE	WWF	WELDED WIRE FABRIC
DP	DEEP	L-L	BACK TO BACK ANGLES	SOG	SLAB-ON-GRADE	ZRP	ZINC RICH PAINT

JUNE 2017

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Context Plan



General Notes

1. ALL DIMENSIONS IN IMPERIAL.
2. VERIFY ALL DIMENSIONS.
3. DO NOT SCALE DRAWINGS.
4. CHECK DRAWINGS AGAINST SPECIFICATIONS.
5. USE THE LATEST REVISED DRAWINGS ONLY.
6. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SCHEDULES, DISCOVERED ERRORS, OR OMISSIONS, TO THE ARCHITECT AND LCBO DURING TENDER PERIOD AND BEFORE PROCEEDING WITH ANY WORK.
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PROJECT N

Rev.	Date	Description	Initial
7	Aug 25, 2020	Issued for Tender	WSP
6	Aug 14, 2020	Issued for Permit Re-submission	WSP
5	Dec 2, 2019	Issued for Permit	WSP
4	Nov 20, 2019	Issued for Review	WSP
3	Sept 5, 2019	100% Design Review	WSP
2	July 15, 2019	90% Design Review	WSP
1	June 26, 2019	60% Design Review	WSP

Issued for Tender
Issued for:

August 25, 2020
Issue Date

17M-02500-D1	N.T.S.	BM	TJ
Project No.	Scale	Drawn by	Checked by

LCBO Store No. 686
Ottawa, ON
Interior Fit-up

Project

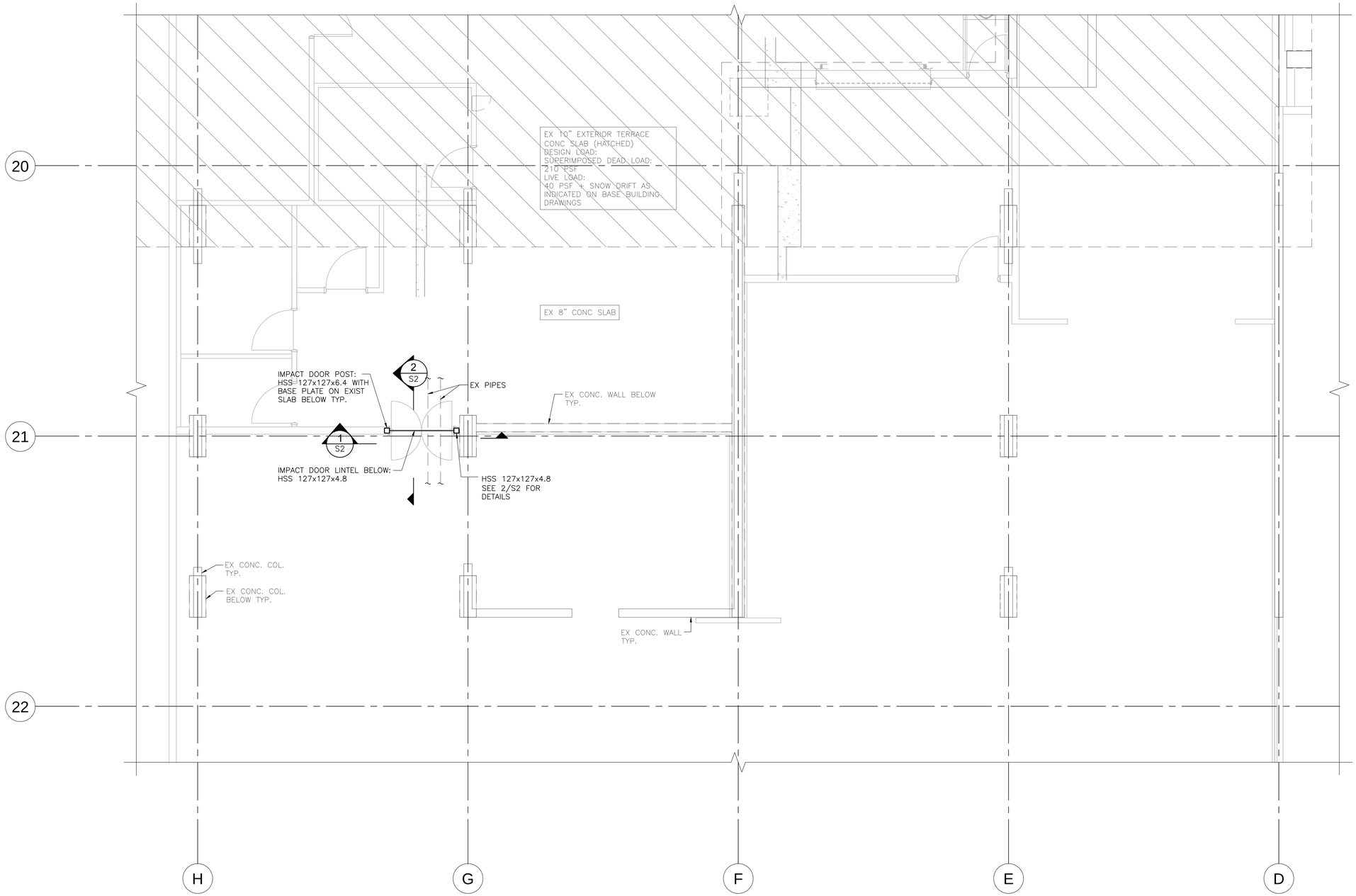
GENERAL NOTES
AND ABBREVIATIONS

Drawing Title

S0

Sheet No.

REVISIONS



PART EXISTING SECOND FLOOR PLAN - IMPACT DOOR AND CONDENSER UNIT FRAMING BELOW

1/4"=1'-0"

1. CONTRACTOR TO SITE VERIFY ALL EXISTING CONDITIONS (EXISTING CONDITIONS ARE ASSUMED), INCLUDING DIMENSIONS. REPORT ANY VARIATIONS TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
2. AS LISTED ON THE BASE BUILDING DRAWINGS, EXISTING DESIGN LOADS (UNFACTORED) FOR SECOND FLOOR ARE, U/S NOTED ON THE PLAN:
   SUPERIMPOSED DEAD LOAD: 21 PSF
   LIVE LOAD: 40 PSF (SUITE)
   100 PSF (CORRIDOR AND STORAGE)
3. DESIGN ALL BEAM CONNECTION FOR THE FACTORED VERTICAL SHEAR FORCE NOTED ON PLAN. WHERE NO FORCE IS INDICATED, DESIGN THE CONNECTION FOR A VERTICAL SHEAR FORCE OF 5 KIPS.
4. REFER TO GENERAL NOTES AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
5. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN HERE.
6. REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND SIZE OF THE NEW IMPACT DOORS.
7. SUBMIT SHOP DRAWINGS FOR STRUCTURAL STEEL CONNECTIONS, SHOP DRAWINGS TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR DESIGN,

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Project No.	Scale	Drawn by	Checked by
17M-02500-D1	1/4"=1'-0"	BM	TJ

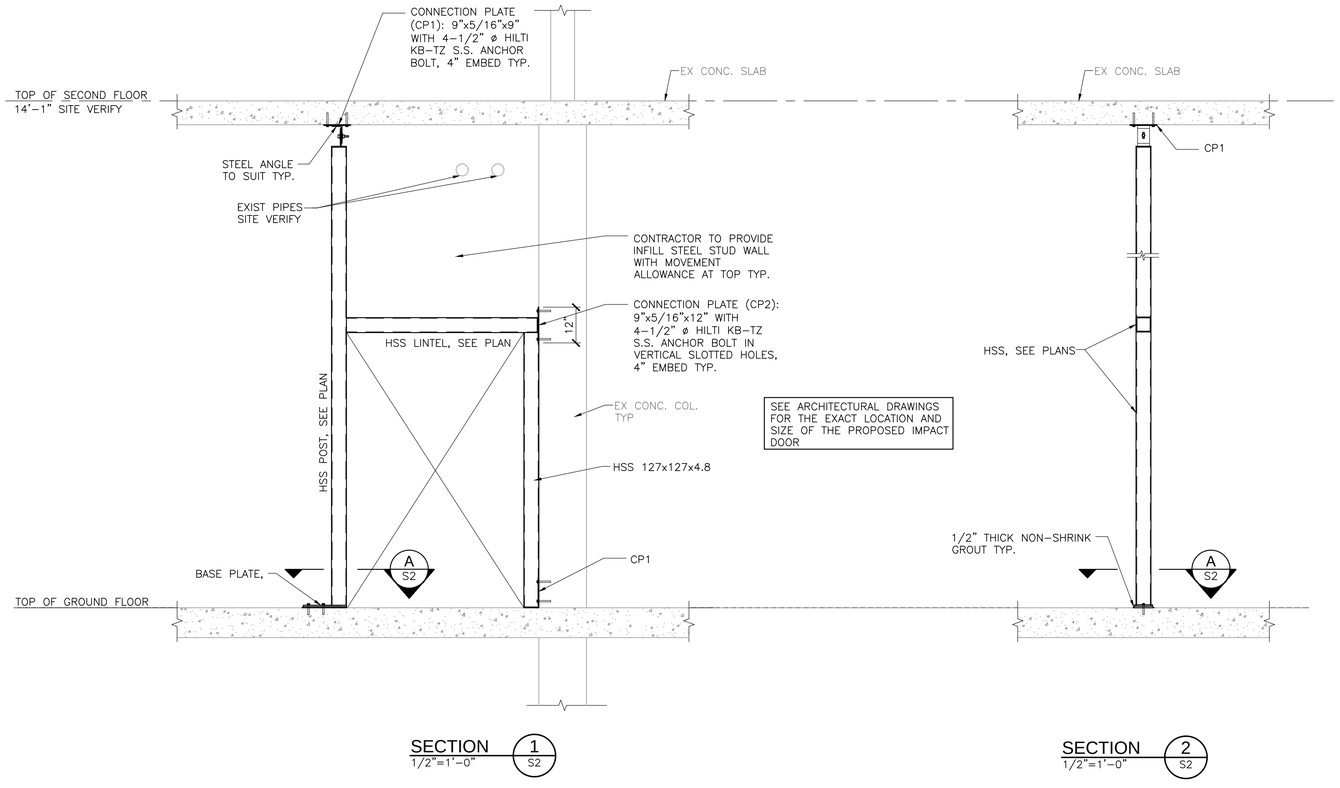
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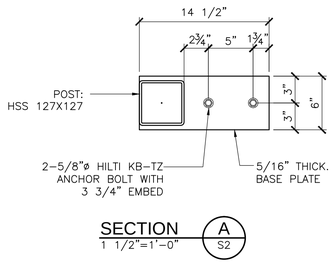
Project: IMPACT DOOR FRAMING

Drawing Title

Sheet No. S1

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SECTION A
1 1/2"=1'-0"
S2

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17M-02500-D1	AS SHOWN	BM	TJ

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Project
SECTIONS AND DETAILS

Drawing Title

S2
Sheet No.

MECHANICAL LEGEND

SYMBOL: EXISTING TO REMAIN	SYMBOL: NEW OR EXISTING IN RELOCATED POSITION	DESCRIPTION
		DUCTWORK
		FLEXIBLE CONNECTION
		SQUARE CONE DIFFUSER
		LINEAR DIFFUSER
		ROUND CONE DIFFUSER
		RETURN AIR GRILLE
		SUPPLY FAN
		ROOF MOUNTED EXHAUST FAN
		UNIT HEATER
		SUPPLY DUCT DOWN
		RETURN/EXHAUST DUCT DOWN
		SUPPLY DUCT UP
		RETURN/EXHAUST DUCT UP
(T)	N (T)	TEMPERATURE SENSOR
T	N T	THERMOSTAT
H	N H	HUMIDISTAT
$	$	VARIABLE SPEED CONTROLLER
CO2	CO2	CO2 SENSOR
		CONTROL WIRING
		DUCT TAKE-OFF (SINGLE LINE)
BD	BD	BALANCING DAMPER
SD	SD	SPLITTER DAMPER
FD	FD	FIRE DAMPER
		ACOUSTICALLY-LINED DUCT (DOUBLE LINE)
		EXTERNALLY INSULATED DUCT
BBH	BBH	BASEBOARD HEATER
FE	FE	FIRE EXTINGUISHER
		SPRINKLER HEAD – PENDANT
		SPRINKLER HEAD – CONCEALED
		SPRINKLER HEAD – SEMI-RECESSED
		UPRIGHT SPRINKLER HEAD
FHC	FHC	FIRE HOSE CABINET
F	F	FIRE PIPING
C	C	CONDENSATE PIPING
SAN	SAN	SANITARY DRAIN BELOW SLAB/FLOOR
STM	STM	STORM DRAIN BELOW SLAB/FLOOR
V	V	VENT PIPING
G	G	GAS PIPING
		DOMESTIC COLD WATER PIPING
		DOMESTIC HOT WATER PIPING
CO	CO	CLEAN OUT (END OF PIPE)
CO	CO	CLEAN OUT (FLOOR)
M	M	WATER METER
		GATE VALVE
		ELBOW TOWARD
		ELBOW AWAY
		CAP OFF
		"P"-TRAP
FD	FD	FLOOR DRAIN WITH "P"-TRAP
FFD	FFD	FUNNEL FLOOR DRAIN WITH "P"-TRAP
RD	RD	ROOF DRAIN
HD	HD	HUB DRAIN
R/A		RETURN AIR SLOT/DUCT
CTE		CONNECT TO EXISTING
DED		OPEN END DUCT W/ WIRE MESH
QUANTITY (2 OR MORE) TYPE – REFER TO SCHEDULE NECK SIZE/GRILLE 2-A-8'-0-225 SIZE AIR FLOW (CFM)		GRILLE OR DIFFUSER TAG
XX		EQUIPMENT TAG

DRAWING LIST

DRG. NO.	TITLE	DRG. NO.	TITLE
M-1	MECHANICAL SPECIFICATION, DRAWING LIST, LEGEND & SCHEDULES	M-5	FIRE PROTECTION LAYOUT
M-2	MECHANICAL DETAILS	M-6	SEQUENCE OF OPERATIONS
M-3	HVAC LAYOUT	M-7	BASE BUILDING HYDRONIC SCHEMATIC
M-4	PLUMBING AND DRAINAGE LAYOUT		

MECHANICAL SPECIFICATIONS

REFER TO THE FOLLOWING MECHANICAL SPECIFICATIONS IN BID SPECIFICATIONS FOR TENDER:

1-DIVISION 20 (BASIC MECHANICAL REQUIREMENTS) - SECTION 20 05 00, 20 07 00, 20 05 15 & 20 05 20
2-DIVISION 21 (FIRE SUPPRESSION) - SECTION 21 22 00 & 21 13 00
3-DIVISION 22 (PLUMBING) - SECTION 22 11 16, 22 11 19, 22 13 16, 22 33 00 & 22 42 00
4-DIVISION 23 (HVAC) - SECTION 23 08 16, 23 23 00, 23 31 00, 23 34 20 & 23 36 00

DOMESTIC WATER HEATER SCHEDULE

UNIT NO.	AREA SERVED	MANUFACTURER	MODEL	RECOVERY RATE (GPH)	ELEMENT WATTAGE (KW)	V/PH/HZ	REMARKS
HWT-1	WASHROOMS, STAFF ROOM, EYE WASH ON GROUND FLOOR AND JANITOR ROOM	AO SMITH	DEL-30-3.0	12 @ 100F TEMPERATURE RISE	3	208/1/60	NON-SIMULATANEOUS ELEMENT

SCHEDULE OF NEW FORCED-FLOW HEATERS

UNIT NO.	AREA SERVED	MANUFACTURER	MODEL	DIMENSIONS (APPROX)	V/PH/HZ	CAPACITY (KW)	REMARKS
FFH-1	MAIN VESTIBULE	DUELLET	DACP8006	32"X23"	600/1/60	8.0	NEW CEILING TYPE, RECESSED FORCED FLOW HEATER C/W REMOTE WALL MOUNTED TEMPERATURE SENSOR, CONTROL RELAY, DISCONNECT, TAMPERPROOF. CONNECT TO BAS BY BAS CONTRACTOR.
FFH-2	RECEIVING	DUELLET	DAC08006	32"X23"	600/1/60	8.0	NEW WALL-TYPE SURFACE MOUNTED FORCED FLOW HEATER C/W REMOTE WALL MOUNTED TEMPERATURE SENSOR, CONTROL RELAY, DISCONNECT, TAMPERPROOF. CONNECT TO BAS BY BAS CONTRACTOR.

SCHEDULE OF BASE BOARD HEATERS

UNIT NO.	AREA SERVED	MANUFACTURER	MODEL	LENGTH	V/PH/HZ	POWER (KW)	REMARKS
BBH-1	MECH ROOM	DUELLET	DFM 1002	47-1/2"	120/1/60	1.0	C/W BUILT-IN THERMOSTAT W/ KNOB, SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. POWER PROVIDED BY ELECTRICAL CONTRACTOR

MINIMUM PLUMBING FIXTURE OUTLET PIPE SIZE

DESCRIPTION	SERVICES				
	DCW	DHW	TEMPERED	WASTE	VENT
WATER CLOSET (FLUSH TANK)	1/2" (13)	–	–	3" (75)	1 1/2" (40)
LAVATORY	1/2" (13)	1/2" (13)	–	1 1/2" (40)	1 1/4" (32)
STAFF ROOM SINK	1/2" (13)	1/2" (13)	–	3" (75)	1 1/2" (40)
EYE WASH	–	–	1/2" (13)	–	–
JANITOR SINK	1/2" (13)	1/2" (13)	–	3" (75)	1 1/2" (40)

SCHEDULE OF DUCT MOUNTED FUSIBLE LINK FIRE DAMPERS

CURTAIN BLADE TYPE, DYNAMIC, GALVANIZED STEEL (UNLESS OTHERWISE SPECIFIED) FUSIBLE LINK DAMPERS, ULC CLASSIFIED TO STANDARD CAN/ULC S112 AND IN ACCORDANCE WITH NFPA 90A REQUIREMENTS, FACTORY TESTED FOR CLOSURE UNDER AIRFLOW, 1 1/2 HOUR OR 3 HOUR RATED AS REQUIRED, AND COMPLETE WITH A CONSTANT FORCE TYPE 301 STAINLESS STEEL CLOSURE SPRING, A BLADE LOCK ASSEMBLY, A STEEL SLEEVE, AND, UNLESS OTHERWISE SPECIFIED, A 74 DC RATED STANDARD FUSIBLE LINK. WHERE FIRE DAMPERS ARE INSTALLED, ENSURE ACCESS OPENINGS ARE INSTALLED AS PER OBC.

FUSIBLE LINK DAMPERS ARE TO BE TYPE "B" OR TYPE "C" (AS REQUIRED) WITH THE FOLDED CURTAIN BLADE OUT OF THE AIR STREAM EXCEPT WHERE DAMPER SIZE OR LOCATION REQUIRES THE USE OF TYPE "A" DAMPERS WITH THE CURTAIN BLADE IN THE AIR STREAM.

ACCEPTABLE MANUFACTURERS ARE:
-RUSKIN MANUFACTURING, NAILOR INDUSTRIES INC., GREENHECK, NCA MANUFACTURING LTD. OR APPROVED ALTERNATE.

SCHEDULE OF EXISTING HEAT PUMP

TAG	AREA SERVED	MANUFACTURER MODEL NO.	WATER FLOW (GPM)	HEATING CAPACITY (BTU/HR)	COOLING CAPACITY (BTU/HR)	AIRFLOW (CFM)	WEIGHT (LBS)	ESP IN.W.C	ELECTRICAL MCA	ELECTRICAL (V/PH/HZ)	REMARKS
HP-1	OFFICE	CLIMATE MASTER TC-012	3.0	14,700	10,000	440	120	0.25	7.3	208/1/60	EXISTING HORIZONTAL CEILING SUSPENDED HEAT PUMP, C/W ACOUSTIC LINING, CONDENSATE PUMP, CONDENSATE PIPE, VIBRATION ISOLATION, DRIP PAN, FILTER. BAS CONTRACTOR TO PROVIDE ALL NEW WALL MOUNTED REMOTE TEMP SENSORS FOR ALL HEAT PUMP UNITS AND CONTROL WIRING. HEAT PUMP SHALL RUN ON TIME-OF-DAY SCHEDULE. OFFICE HEAT PUMP (HP-1) WILL BE CONTROLLED BY THERMOSTAT (HONEYWELL VISION PRO 8000). THERMOSTAT TO BE PROVIDED BY LCBO CONTRACTOR. PROVIDE MERV 8 FILTER, AS SPECIFIED BY MANUFACTURER IN ALL HEAT PUMP UNITS DURING CONSTRUCTION. INSTALL MERV 13 FILTER IN ALL HEAT PUMP UNITS AT THE END OF CONSTRUCTION. PROVIDE ONE EXTRA SET OF FILTERS TO LCBO.
HP-2	RETAIL	CLIMATE MASTER TC-048	12.0	54,600	41,600	1,700	270	0.50	24	208/3/60	
HP-3	WAREHOUSE	CLIMATE MASTER TC-036	9.0	44,300	29,200	1,375	210	0.50	18.2	208/3/60	
HP-4	RETAIL	CLIMATE MASTER TC-048	12.0	54,600	41,600	1,700	270	0.50	24	208/3/60	
HP-5	RETAIL	CLIMATE MASTER TC-048	12.0	54,600	41,600	1,700	270	0.50	24	208/3/60	
HP-6	WAREHOUSE	CLIMATE MASTER TC-036	9.0	44,300	29,200	1,375	210	0.50	18.2	208/3/60	

SCHEDULE OF EXISTING MAKE UP AIR UNIT

SYSTEM	MODEL NO./ MANUFACTURER	COOLING				HEATING						FAN		ELECTRICAL			
		TYPE	CAPACITY (MBH)	E.A.T. DB/WB (°F)	L.A.T. DB/WB (°F)	TYPE	CAPACITY (MBH)	E.A.T. DB/WB (°F)	L.A.T. DB/WB (°F)	E.W.T. (°F)	L.W.T. (°F)	REHEAT CAPACITY (MBH)	AIR CAPACITY (CFM)	E.S.P. (IN.WG)	V/P/H	MOTOR (HP)	M.C.A. (AMP)	VFD
MAU-1	ICE, AH20-HC-DX12-VCC	DX	147	--	--	GLYCOL	215	--	--	--	--	57	2,200	--	575/3/60	--	--	YES

EXISTING MAKE-UP AIR UNIT, C/W DRIP PAN AND FILTER. EXISTING SINGLE TUBE DUCT DISPENSE STEAM HUMIDIFIER ELECTRIC CONDAIR EL-050 SHALL BE DECOMMISSIONED.

PROVIDE TWO HUMIDITY SENSORS, ONE HIGH DUCT PRESSURE LIMIT SWITCH, ONE REMOTE DUCT MOUNTED DIFFERENTIAL STATIC PRESSURE SENSOR, ONE DUCT MOUNTED OUTDOOR AIR TEMPERATURE SENSOR AND CONTROL WIRING BY LCBO CONTRACTOR. MAKE UP AIR UNIT SHALL RUN ON TIME-OF-DAY SCHEDULE. AIR-BALANCING AND FIRE ALARM CONNECTION BY LCBO CONTRACTOR. BAS CONNECTIONS BY BAS CONTRACTOR.

PROVIDE MERV 8 FILTER, AS SPECIFIED BY MANUFACTURER IN MAKE UP AIR DURING CONSTRUCTION. INSTALL MERV 13 FILTER IN MAKE UP AIR UNIT AT THE END OF CONSTRUCTION. PROVIDE ONE EXTRA SET OF FILTERS TO LCBO.

SCHEDULE OF GRILLES & DIFFUSERS (E.H. PRICE)

TYPE	DESCRIPTION	MODEL NO.	SIZE	FACTORY FINISH	REMARKS
A	SQUARE SUPPLY AIR DIFFUSER	SCDA-24"x24"	AS SHOWN	TO ARCH. DIRECTION	4 CONE DIFFUSER, (1) DIFFUSER C/W SECTORIZING BAFFLE (QUADRANT BLANK). COLOR: WHITE.
B	SUPPLY AIR GRILLE	520D	AS SHOWN	TO ARCH. DIRECTION	DOUBLE DEFLECTION, C/W STEEL DAMPER. COLOR: WHITE.
C	EGG CRATE FACE RETURN	80F	AS SHOWN	TO ARCH. DIRECTION	ALUMINUM1/2"X1/2" GRID CORE. COLOR: WHITE.
D	EXHAUST AIR GRILLE	530D	AS SHOWN	TO ARCH. DIRECTION	3/4" BLADE SPACING, C/W STEEL DAMPER, T-BAR MOUNTED. COLOR: WHITE.
E	EXHAUST AIR GRILLE	530D	AS SHOWN	TO ARCH. DIRECTION	3/4" BLADE SPACING, C/W STEEL DAMPER, DRY WALL-MOUNTED. COLOR: WHITE.
F	DOOR GRILLE	STG1-BF	AS SHOWN	TO ARCH. DIRECTION	HEAVY DUTY STEEL WITH 1-5/16" FLAT BORDER BOTH SIDES. COLOR: GREY.
G	DOOR GRILLE	1900A	AS SHOWN	TO ARCH. DIRECTION	1-1/2 HOUR FIRE RATED, ADJUSTABLE Z-BLADE LOUVERS. COLOR: GREY.
H	--	--	--	--	--
I	--	--	--	--	--
J	LOUVERED FACE RETURN	530	AS SHOWN	TO ARCH. DIRECTION	3/4" BLADE SPACING, FIXED 45° DEFLECTION, COORDINATE WITH ARCHITECT FOR COLOUR

NOTES: 1. BALANCING DAMPERS TO BE LOCATED WITHIN CEILING SPACE SEPARATE FROM THE GRILLES AND DIFFUSERS FOR VOLUME CONTROL UNLESS OTHERWISE NOTED.
2. IT IS THE CONTRACTORS RESPONSIBILITY TO CONFIRM FINAL COLOURS WITH ARCHITECTURAL DRAWINGS PRIOR TO ORDERING.

SCHEDULE OF FANS

TAG	AREA SERVED	WEIGHT (LBS)	SERVICE	MANUFACT.	FAN TYPE	MODEL	FAN QTY.	CAPACITY (CFM)	ESP (IN/WG)	FAN (RPM)	MOTOR (HP)	POWER SUPPLY (V/PH/Hz)	REMARKS
EF-1	GENERAL AREA	--	EXHAUST	GREENHECK	INLINE	BDF-90	1	1300	0.25"	--	1/3	120/1/60	EXISTING CEILING SUSPENDED BELT DRIVEN EXHAUST FAN C/V VIBRATION ISOLATOR. EXHAUST FAN SHALL BE CONNECTED TO BAS FOR MODULATION AND MONITORING. INTERLOCK MOTORIZED DAMPER WITH EXHAUST FAN. INTERLOCK WITH MAU-1 FOR MODULATION.
EF-2	MECH ROOM	--	EXHAUST	GREENHECK	INLINE	CSP-A290	1	230	0.375"	--	1/10	120/1/60	EXISTING CEILING SUSPENDED EXHAUST FAN C/V WC-8 HOODED WALL CAP, BIRD SCREEN, BACKDRAFT DAMPER AND INTERNAL SPEED CONTROLLER FOR AIR BALANCING. EXHAUST FAN SHALL RUN CONTINUOUSLY (24/7). PROVIDE FAN STATUS AND SPACE TEMPERATURE MONITORING BY BAS CONTRACTOR.
EF-3	WASHROOMS	30	EXHAUST	GREENHECK	INLINE	CSP-A390	1	200	0.75"	1350	1/4	120/1/60	NEW CEILING SUSPENDED EXHAUST FAN C/W LOCAL DISCONNECT, BACKDRAFT DAMPER, VIBRATION ISOLATORS. EXHAUST FAN SHALL RUN ON TIME-OF-DAY SCHEDULE. CONNECT TO BAS BY BAS CONTRACTOR.
EF-4	JANITOR ROOM	24	EXHAUST	GREENHECK	INLINE	CSP-A290	1	100	0.75"	1050	1/10	120/1/60	NEW CEILING SUSPENDED EXHAUST FAN C/W LOCAL DISCONNECT, BACKDRAFT DAMPER, VIBRATION ISOLATORS. EXHAUST FAN SHALL RUN CONTINUOUSLY (24/7).
EF-5	STAFF ROOM	24	EXHAUST	GREENHECK	CEILING	SP-A390	1	150	0.75"	1350	1/4	120/1/60	NEW CEILING MOUNTED EXHAUST FAN C/V EXTERNAL DISCONNECT, ACOUSTICAL INSULATION, BACKDRAFT DAMPER, ALUMINUM WHITE GRILLE, FILTER, CONTROL REPLY AND VIBRATION ISOLATORS. EXHAUST FAN SHALL RUN ON TIME-OF-DAY SCHEDULE. CONNECT TO BAS BY BAS CONTRACTOR.

NOTES: 1. HVAC CONTRACTOR SHALL INSULATE ALL EXHAUST DUCTS WITH 1" THERMAL INSULATION FOR THE LAST 10'-0" BEFORE LEAVING THE BUILDING. INSTALL BACK DRAFT DAMPER AT ROOF.
2. FLEXIBLE DUCT CONNECTIONS SHALL BE PROVIDED ON INTAKE AND DISCHARGE DUCTS AT FAN AND SHALL BE DURO-DYNE OR EQUIVALENT, ULC APPROVED.

PLUMBING FIXTURES

FIXTURE	DESCRIPTION
BARRIER FREE WATER CLOSET	BARRIER FREE WATER CLOSET SHALL BE ZURN #ZS560 "ECOVANTAGE" WHITE VITREOUS CHINA WATER CLOSET COMBINATION WITH ELONGATED LOW CONSUMPTION (6L) BOWL WITH PRESSURE ASSISTED SIPHON JET FLUSHING ACTION. REFER TO SPEC SECTION 22 42 00 FOR FULL SPECIFICATION.
BARRIER FREE LAVATORY	BARRIER FREE LAVATORY SHALL BE AMERICAN STANDARD # 0955.000.0059.20 "MURRO" BASIN WITH SEALED OVERFLOW, 4" CENTERS, 22"X21-1/4"X6-1/2" HIGH, WITH CENTER HOLE, VITREOUS CHINA, WALL HUNG, FOR CARRIER WITH CONCEALED ARMS, REAR OVERFLOW, RECESSED SELF DRAINING FAUCET LEDGE, SEMI-PEDESTAL P-TRAP COVER. FAUCET SHALL BE CHICAGO FAUCETS MARATHEN # 2200 SINGLE LEVER FAUCET, CENTRE HOLE ONLY, CAST BRASS BODY, 2.2 GPM (8.3 LPM) MAX FLOW AERATOR OUTLET, 4-3/4" LONG CAST SPOUT, LEVER HANDLE, ADJUSTABLE VOLUME CONTROL, LAVLER # TMM-1070, POINT OF USE MECHANICAL WATER MIXING VALVE, DRAIN -MCGUIRE # 155AC OPEN GRID DRAIN, SUPPLY -MCGUIRE # H170BVRB, P-TRAP-MCGUIRE # 8872CBSAN, CARRIER JAY R.SMITH # 0700-Z-M-3. REFER TO SPEC. SECTION 224200 FOR FULL SPECIFICATION.
STAFF ROOM SINK	LUNCH ROOM COUNTERSINK SHALL BE FRANKE KINDRED CANADA LTD. # QSL2020/8 " STEEL QUEEN" UNDERCOATED, SINGLE 460MMX410MMX200MM DEEP BOWL COUNTER SINK CONSTRUCTED OF # 20 GAUGE GRADE 18-8 STAINLESS STEEL WITH A MIRROR FINISHED RIM AND SATIN FINISHED BOWL. SUPPLY FITTING: SYMMONS # S-23-LST "SYMMETRIX" 200 MM CENTER SINGLE LEVER HANDLE KITCHEN SINK FAUCET WITH SWING SPOUT WITH AERATOR AND LOMG SUPPLY TUBS. REFER TO SPEC. SECTION 22 42 00 FOR FULL SPECIFICATION.
EYE WASH	EYEWASH SHALL BE GUARDIAN MODEL # G5022 EYEWASH/DRENCH HOSE UNIT C/V TWO PLATED AERATOR HEADS, EACH HEAD HAS A FLIP-TOP DUST COVER, INTERNAL FLOW CONTROL AND FILTER, FORGED BRASS SQUEEZE VALVE WITH STAINLESS STEEL LEVER HANDLE, 8'REINFORCED PVC HOSE WITH 300 PSI MAXIMUM WORKING PRESSURE, NPS 3/8 SUPPLY AND NPS 3/8 STAY-OPEN BALL VALVE. SHALL BE COUNTER MOUNTED, FACING FORWARD C/W HG OPTION (HOSE GUIDE). MIXING VALVE SHALL BE BRADLEY MODEL #S19-2000 PACKAGED WATER BLENDING SYSTEM, MIXING DOMESTIC COLD AND HOT WATER TO MAINTAIN SET OUTLET TEMPERATURE OF 25C-30C. REFER TO SPEC. SECTION 22 42 00 FOR FULL SPECIFICATION.
JANITOR SINK	JANITOR SINK SHALL BE ATLANTIC STAINLESS FABRICATORS LTD. OR APPROVED ALTERNATES, FLOOR MOUNTED SINK, MINIMUM 12 M LONG X 610 MMX254 MM DEEP, CONSTRUCTED OF # 16 GAUGE TYPE 304 STAINLESS STEEL WITH A # 4 FINISH AND COMPLETE WITH A 75 MM DIA CORNER STANDING WASTE WITH 254 MM HIGH PERFORATED REMOVABLE CORNER GUARD WITH CLIPS. SUPPLY FITTING SHALL BE CHICAGO FAUCET MODEL # 305V3BR-XK-HOSE-58 200 MM CENTRESET WALL MOUNT FAUCET ASSEMBLY WITH BRASS LEVER HANDLES, VACUUM BREAKER, INTEGRAL STOPS, AND 1800 MM DF HOSE WITH HANGER. REFER TO SPEC. SECTION 22 42 00 FOR FULL SPECIFICATION.

SCHEDULE OF EXISTING HEAT EXCHANGER

SYSTEM	MODEL NO./ MANUFACTURER	SERVICE	HOT SIDE: SERVICE	HOT SIDE: FLUID	HOT SIDE: FLOW (GPM)	HOT SIDE: E.W.T. (°F)	HOT SIDE: L.W.T. (°F)	HOT SIDE: HEAD (FT)	COLD SIDE: SERVICE	COLD SIDE: FLUID	COLD SIDE: FLOW (GPM)	COLD SIDE: E.W.T. (°F)	COLD SIDE: L.W.T. (°F)	COLD SIDE: HEAD (FT)	REMARKS
HE-1	POLARIS SBA-1G16-56-TL PLATE & FRAME	HEAT PUMP LOOP HEATING	BOILER	WATER	15	170	145	2.3	HEAT PUMP LOOP	50% GLYCOL	18	65	87	3.5	EXISTING HEAT EXCHANGER, HEATING SEASON DESIGN CONDITION
HE-2	POLARIS SBA-1G16-62-TL PLATE & FRAME	MAKEUP AIR HEATING COIL	BOILER	WATER	17	170	145	2.4	HEATING COILS	50% GLYCOL	23	140	160	3.9	EXISTING HEAT EXCHANGER, HEATING SEASON DESIGN CONDITION

SCHEDULE OF VAV BOXES

UNIT NO.	INLET SIZE	MANUFACTURER	MODEL	CFM: MAX	CFM: MIN	POWER	AREA SERVED	REMARKS
VAV-1	4"	EH PRICE	SDV	100	100	120/1/60	OFFICE	PROVIDE NEW VAV BOX C/V INTERNAL INSULATION, VAV CONTROLLER, ACTUATOR, CONTROL ENCLOSURE, HANGERS, VIBRATION ISOLATORS, DISCONNECT. VAV-1, 2, 4, 5, 6 SHALL BE CONNECTED TO BAS BY BAS CONTRACTOR. PROVIDE NEW WALL MOUNTED REMOTE CO2 SENSORS FOR VAV-2, 4, 5, 6.
VAV-2	8"	EH PRICE	SDV	550	330	120/1/60	RETAIL	
VAV-3	--	--	--	--	--	--	--	
VAV-4	8"	EH PRICE	SDV	550	330	120/1/60	RETAIL	
VAV-5	8"	EH PRICE	SDV	550	330	120/1/60	RETAIL	
VAV-6	8"	EH PRICE	SDV	450	270	120/1/60	WAREHOUSE	

SCHEDULE OF EXISTING PUMP

SYSTEM	MODEL NO./ MANUFACTURER	SERVICE	CAPACITY (GPM)	FLUID	HEAD (FT)	RPM	HP	V/P/H	REMARKS
P-1A/B	ARMSTRONG 4380 1.5X1.5X6	HEAT PUMP LOOP CIRC.	88.45	50% GLYCOL	70	3530	5.0	575/3/60	EXISTING PUMP SET, C/V SUCTION GUIDE, TRIPLE DUTY VALVE AND STAND-ALONE LEAD-LAG CONTROLLER W/ BACNET I/O MODULE. BAS CONNECTION BY LCBO CONTRACTOR.
P-2A/B	ARMSTRONG H-64 1.5" IN/OUT	BOILER WATER CIRC.	31.70	WATER	35	1800	0.75	575/3/60	EXISTING IN-LINE PUMP SET, C/V STAND-ALONE LEAD-LAG CONTROLLER W/ BACNET I/O MODULE. BAS CONNECTION BY LCBO CONTRACTOR.
P-3A/B	ARMSTRONG H-64 1.5" IN/OUT	MAKE-UP AIR UNIT HEATING CIRC.	22.67	50% GLYCOL	37	1800	0.75	575/3/60	EXISTING IN-LINE PUMP SET, C/V STAND-ALONE LEAD-LAG CONTROLLER W/ BACNET I/O MODULE. BAS CONNECTION BY LCBO CONTRACTOR.

SCHEDULE OF EXISTING FLUID COOLER

SYSTEM	MODEL NO./ MANUFACTURER	TYPE	FLUID FLOW RATE (GPM)	E.W.T. (°F)	L.W.T. (°F)	AIR CAPACITY (CFM)	E.A.T. DB (°F)	L.A.T. DB (°F)	HEAT REJECTION RATE (MBH)	V/P/H	F.L.A. (AMP)	M.C.A. (AMP)	REMARKS
DC-1	KOOL-AIR WAEW-72-3-8-162 FEVQ-23308	50% GLYCOL	88.45	117	105	45,625	95	103	447	575/3/60	0.96	6.0	EXISTING FLUID COOLER. BAS CONNECTIONS BY BAS CONTRACTOR.

SCHEDULE OF EXISTING BOILER

SYSTEM	MODEL NO./ MANUFACTURER	SERVICE	INPUT (MBH)	OUTPUT (MBH)	VENT	FUEL	GAS CONNECTION	REMARKS
B-1	WEIL-MCLAIN EVERGREEN EVG 299	HEAT PUMP LOOP HEATING	299	243	4"	NATURAL GAS	3/4"	EXISTING WALL-MOUNTED, SEALED-COMBUSTION BOILER. BAS CONNECTIONS BY BAS CONTRACTOR.
B-2	WEIL-MCLAIN EVERGREEN EVG 299	HEAT PUMP LOOP HEATING	299	243	4"	NATURAL GAS	3/4"	EXISTING WALL-MOUNTED, SEALED-COMBUSTION BOILER. BAS CONNECTIONS BY BAS CONTRACTOR.

REQUIRED DOCUMENTATION FOR SUBSTATIAL PERFORMANCE AND FINAL GENERAL CONFORMANCE LETTERS - LCBO:

1. AIR BALANCING REPORT
2. NFPA 13 CONFORMANCE LETTER, SEALED BY CONTRACTOR'S PROFESSIONAL ENGINEER
3. NFPA 14 CONFORMANCE LETTER, SEALED BY CONTRACTOR'S PROFESSIONAL ENGINEER
4. SEISMIC ENGINEERS SIGN-OFF, SEALED BY CONTRACTOR'S PROFESSIONAL ENGINEER

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Context Plan

General Notes

1. ALL DIMENSIONS IN IMPERIAL.
2. VERIFY ALL DIMENSIONS.
3. DO NOT SCALE DRAWINGS.
4. CHECK DRAWINGS AGAINST SPECIFICATIONS.
5. USE THE LATEST REVISED DRAWINGS ONLY.
6. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SCHEDULES, DISCOVERED ERRORS, OR OMISSIONS, TO THE ARCHITECT AND LCBO DURING TENDER PERIOD AND BEFORE PROCEEDING WITH ANY WORK.
7. DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT, AND MUST BE RETURNED UPON COMPLETION OF WORK.
8. TO VIEW A LIST OF BIDDERS FOR THIS PROJECT, PLEASE GO TO: WWW.BIDDINGO.COM/LCBO

Rev.:	Date:	Description:	Initial
10	AUG 25, 2020	ISSUED FOR TENDER	ML
9	AUG 14, 2020	RE-ISSUED FOR PERMIT	ML
8	DEC 04, 2019	ISSUED FOR PERMIT	ML
7	NOV 20, 2019	ISSUED FOR REVIEW	ML
6	SEPT 05, 2019	ISSUED FOR 100% REVIEW	ML
5	JUL 15, 2019	ISSUED FOR 90% REVIEW	ML
4	JUL 10, 2019	ISSUED FOR BAS COORDINATION	ML
3	JUN 26, 2019	ISSUED FOR 60% REVIEW	RD
2	MAY 23, 2019	ISSUED FOR 60% REVIEW	RD
1	MAY 07, 2019	ISSUED FOR COORDINATION	ML

ISSUED FOR TENDER
Issued for:

AUG 25, 2020
Issue Date:

17M-02500-D1	N.T.S.	RD	FL
Project No.:	Scale:	Drawn by:	Checked by:

LCBO Store No. 686
OTTAWA, ON
Interior Fit-up

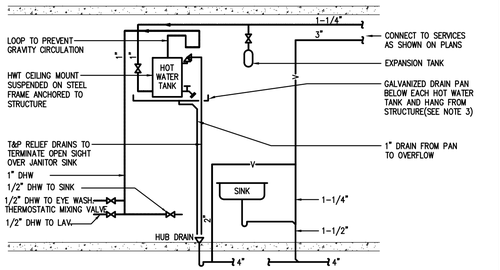
Project:

MECHANICAL SPECIFICATION, DRAWING LIST, LEGEND & SCHEDULES

Drawing Title:

M-1

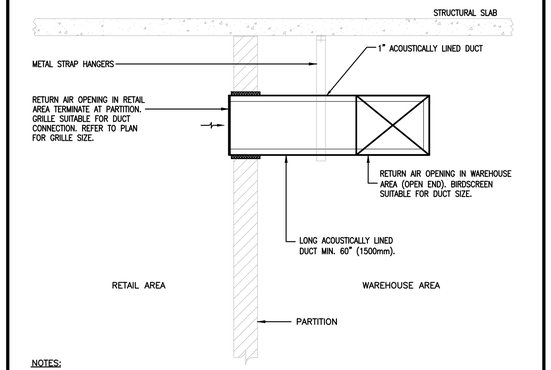
Sheet No.:



NOTES: 1. FOR EXACT LOCATION OF FIXTURES REFER TO ARCHITECTURAL DRAWINGS.
2. 20 GAUGE GALVANIZED STEEL DRIP PAN WITH 1" (25mm) UPTURNED EDGE, BOLTED TO 1"x1"x1/4" ANGLE IRON CROSS-BRACING HUNG BY 3/8"ø THREADED STEEL RODS C/W LOCKING WASHERS AND NUTS AT EACH CORNER, ATTACHED TO STRUCTURE AND SUSPENDED FROM OPEN WEB STEEL JOISTS.
3. REFER TO SECTION 20 05 15 & 20 05 20.

1 M-2 **HOT WATER TANK**
NOT TO SCALE

4 M-2 **NOT USED**
NOT TO SCALE



NOTES:
1. REFER TO PLAN FOR DUCT SIZES AND ELEVATION.

8 M-2 **TRANSFER AIR DUCT**
NOT TO SCALE

11 M-3 **NOT USED**
NOT TO SCALE

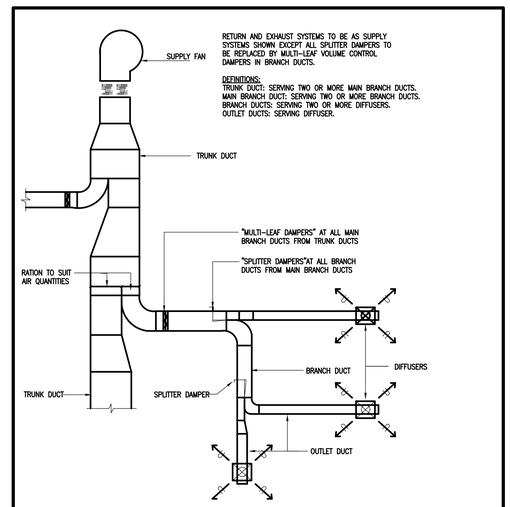
SINGLE TAKE-OFF

SPLIT TAKE-OFF

FULL RADIUS ELBOW (FOR HORIZONTAL)

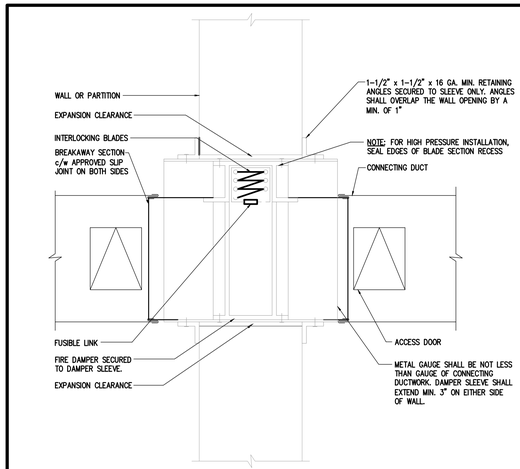
TRANSITION PIECE

2 M-2 **DUCT DETAILS**
NOT TO SCALE



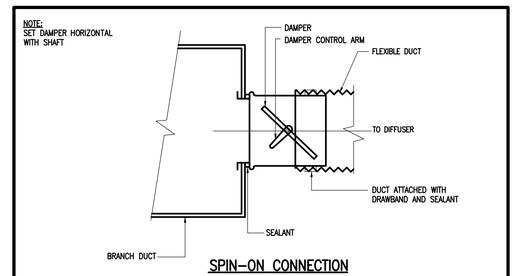
5 M-2 **BALANCING DAMPERS**
NOT TO SCALE

9 M-2 **NOT USED**
NOT TO SCALE



NOTES:
1. HORIZONTAL INSTALLATION SHALL BE SIMILAR, BUT DAMPER SHALL BE c/w S.S. CLOSURE SPRING.
2. SEAL BREAKAWAY SECTIONS AFTER INSTALLATION. FOR HIGH PRESSURE INSTALLATIONS, PROVIDE DUCT TAPE ON JOINTS AFTER SEALING.
3. PROVIDE ACCESS DOORS IN CONNECTING DUCT AS REQUIRED FOR MAINTENANCE.

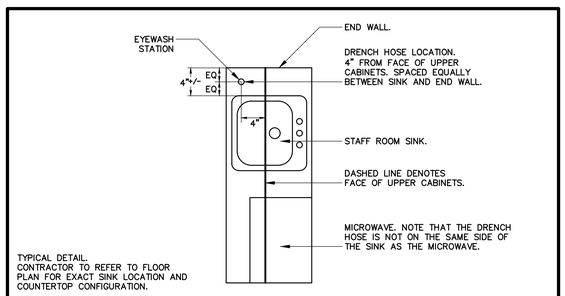
12 M-2 **FIRE DAMPER**
NOT TO SCALE



SPIN-ON CONNECTION

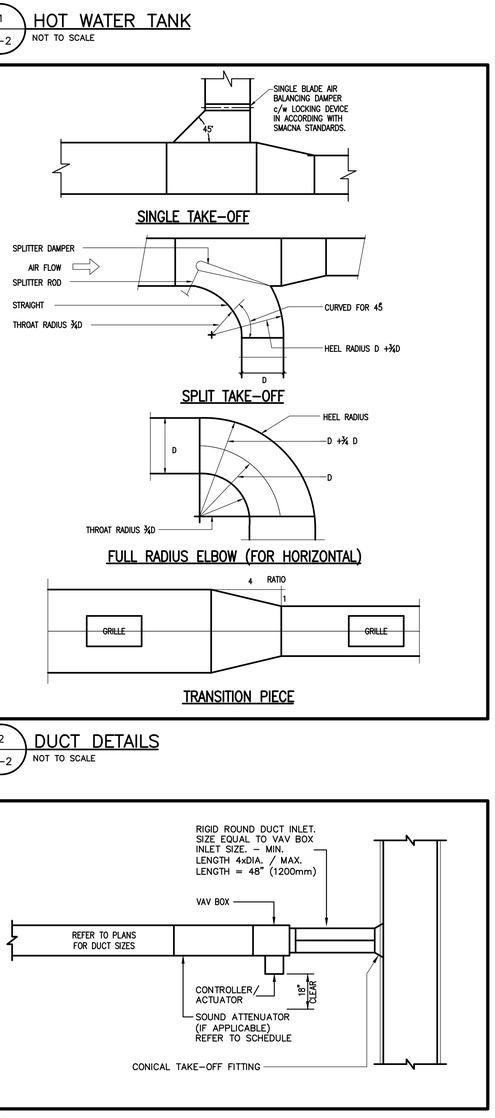
6 M-2 **DUCT CONNECTIONS**
NOT TO SCALE

10 M-2 **NOT USED**
NOT TO SCALE



TYPICAL DETAIL.
CONTRACTOR TO REFER TO FLOOR PLAN FOR EXACT SINK LOCATION AND COUNTERTOP CONFIGURATION.

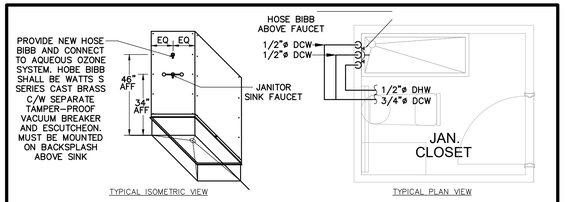
13 M-2 **TYPICAL EYEWASH (DRENCH HOSE) LOCATION DETAIL**
NOT TO SCALE



3 M-2 **VAV BOX**
NOT TO SCALE

7 M-2 **NOT USED**
NOT TO SCALE

10 M-2 **NOT USED**
NOT TO SCALE



TYPICAL DETAIL. CONTRACTOR TO COORDINATE EXACT LOCATION WITH FLOOR PLAN AND JANITOR SINK CONFIGURATION. REFER TO ARCHITECTURAL DRAWING FOR DETAIL AND LAYOUT.

14 M-2 **TYPICAL JANITOR ROOM HOSE BIBB LOCATION DETAIL**
NOT TO SCALE

IBI GROUP
7th Floor - 55 St. Clair Avenue West
Toronto ON M4V 2Y7 Canada
tel 416 596 1930 fax 416 596 0644
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LCBO **STORE #686**
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Markham, ON., L3R 5K3
t: 905-475-8727
f: 905-475-5994
www.wsp.ca

Context Plan

General Notes

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2. VERIFY ALL DIMENSIONS.
3. DO NOT SCALE DRAWINGS.
4. CHECK DRAWINGS AGAINST SPECIFICATIONS.
5. USE THE LATEST REVISED DRAWINGS ONLY.
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3	JUN 26, 2019	ISSUED FOR 60% REVIEW	RD
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1	MAY 07, 2019	ISSUED FOR COORDINATION	ML

ISSUED FOR TENDER
Issued for:

AUG 25, 2020
Issue Date:

Project No.:	Scale:	Drawn by:	Checked by:
17M-02500-D1	N.T.S.	RD	FL

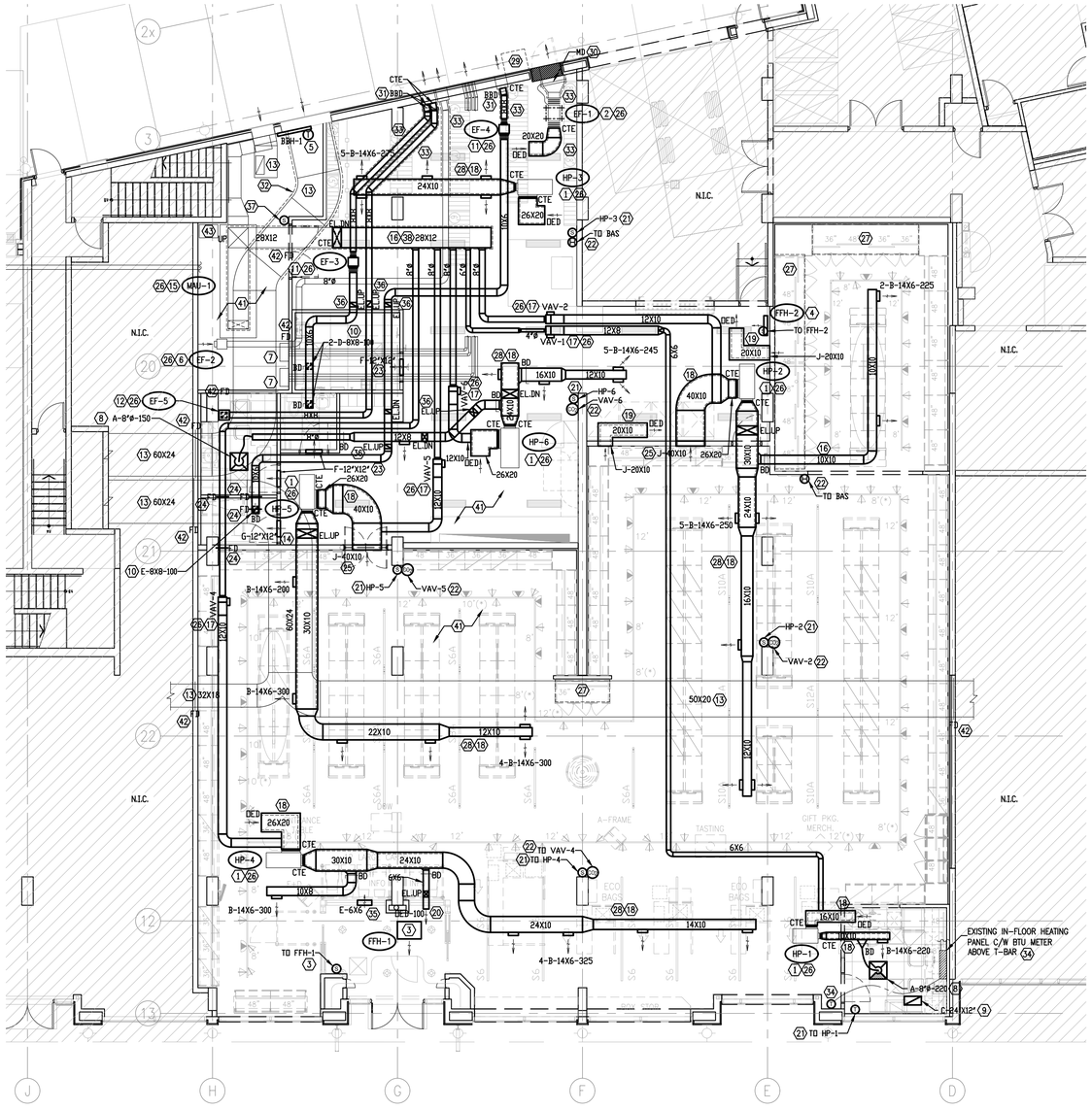
LCBO Store No. 686
OTTAWA, ON
Interior Fit-up

Project:

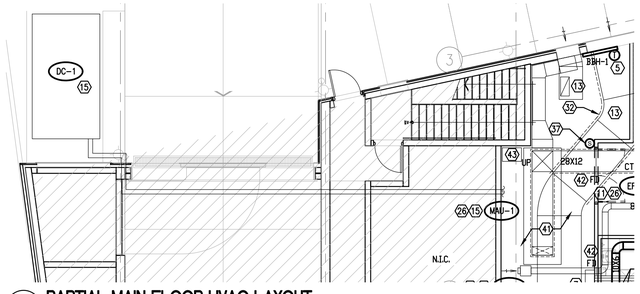
MECHANICAL DETAILS

Drawing Title:

M-2
Sheet No.:



1 M-3 **MAIN FLOOR HVAC LAYOUT**
SCALE: 1/8" = 1'-0"



2 M-3 **PARTIAL MAIN FLOOR HVAC LAYOUT**
SCALE: 1/8" = 1'-0"

GENERAL NOTES :

1. ALL SUPPLY AIR VALUES ARE IN UNITS OF CFM.
2. PRIOR TO COMMENCEMENT OF WORK, ORDERING OF EQUIPMENT AND/OR FABRICATING MATERIALS THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS AND OR INTERFERENCES PRIOR TO COMMENCEMENT OF WORK. PROVIDE INTERFERENCE DRAWINGS.
3. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS TO FACILITATE THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
4. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND MECHANICAL ENGINEER.
5. ALL PENETRATIONS OF FIRE RATED WALLS TO BE FIRE-SEALED.
6. ALL INSTALLATIONS SHALL COMPLY WITH LCBO'S APPROVED SPECIFICATIONS. REFER TO DIVISION 20, 21, 22 AND 23 OF LCBO'S SPECIFICATION.
7. ALL EXISTING AND NEW MECHANICAL EQUIPMENT TO BE LABELED WITH LAMACOID INCLUDING LANDLORD SUPPLIED EQUIPMENT. PROVIDE LAMACOID LABEL FOR FANS, VAV BOXES, MAKE-UP AIR UNIT, HEAT PUMPS, FORCED FLOW HEATERS, THERMOSTAT, SENSORS ETC.
8. HVAC CONTRACTOR SHALL INSTALL ALL DUCTWORK, EQUIPMENT, DEVICES WITHOUT TOUCHING CEILING SUPPORT SYSTEM TO AVOID POSSIBLE VIBRATION TRANSFER.
9. ALL VISIBLE RETAIL/WAREHOUSE DUCTWORK AND ASSOCIATED ACCESSORIES SHALL BE PAINTED. COORDINATE FINAL COLOR WITH ARCHITECT.
10. CONTRACTOR TO RETAIN AND PAY FOR THE SERVICES OF AN EXPERIENCED SEISMIC ENGINEERING FIRM. ALL SYSTEMS ARE TO BE CONSTRUCTED IN COMPLIANCE WITH THE BUILDING CODE, LOCAL CODES AND GUIDELINES IN TERMS OF DESIGN FOR SEISMIC ACTIVITY. REFER TO SECTION 20 05 15 AND 20 05 20 OF THE PROJECT SPECIFICATIONS.
11. ANY ADDITIONAL / UNFORESEEN SCANNING & CORING REQUIRED TO FULFILL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL BE INCLUDED IN THE ORIGINAL TENDERED PRICE. IT IS THE GC'S RESPONSIBILITY TO REVIEW THE EXISTING SITE CONDITIONS AND ALLOW FOR ANY ADDITIONAL CORING / SCANNING REQUIRED.

OFFICE THERMOSTAT SCHEDULE :

1. MON-SAT: OCCUPIED MODE 9AM-9PM
2. SUN: OCCUPIED MODE 11AM-5PM
3. WINTER SETTINGS: OCCUPIED MODE 20 C, UNOCCUPIED MODE 15.5 C
4. SUMMER SETTINGS: OCCUPIED MODE 21.5 C, UNOCCUPIED MODE 23.5 C

NOTE: THE FAN IS TO RUN CONTINUOUSLY IN OCCUPIED MODE AND IN AUTO IN UNOCCUPIED MODE.

KEYED NOTES (REFER TO FLOOR PLANS) :

36. ELBOW UP, ABOVE ANOTHER DUCTWORK. COORDINATE ON SITE FOR THE FINAL DUCTWORK ELEVATION. (TYPICAL)
37. PROVIDE NEW WALL-MOUNTED TEMPERATURE SENSOR AT 6'-0" AFF AND CONNECT TO BAS.
38. PROVIDE NEW EXTERNAL INSULATION FOR MAIN DUCTWORK OF MAU-1 INCLUDING NEW AND EXISTING DUCTWORK.
39. NOTE NOT USED.
40. NOTE NOT USED.
41. CONTRACTOR TO PROVIDE TWO WATER BALANCING VISITS (VERIFY BASE BUILDING HYDRAULIC SYSTEM AT THE BEGINNING OF THE PROJECT AND VERIFY COMPLETE HYDRAULIC SYSTEM).
42. EXISTING FIRE DAMPER TO REMAIN. (TYPICAL)
43. EXISTING MAU-1 HUMIDIFIER TO BE DECOMMISSIONED.

KEYED NOTES (REFER TO FLOOR PLANS) :

1. EXISTING BASE BUILDING SUSPENDED HEAT PUMP UNITS ON THE CEILING (HP-1 TO 6). CONTRACTOR TO PROVIDE FLEX CONNECTION AT SUPPLY AND RETURN. CONTRACTOR TO PROVIDE FILTER SETS (MERV 8 DURING CONSTRUCTIONS, MERV 13 AFTER CONSTRUCTION, MERV 13 TURNED OVER TO LCBO). HEAT PUMP UNIT IN RETAIL SHALL BE PAINTED. COORDINATE COLOUR WITH ARCHITECT. EQUIPMENT LABELS SHALL BE LEFT UNPAINTED AND SHALL BE CLEANED. (TYPICAL)
2. PROVIDE EXHAUST DUCTWORK C/W INTERNAL ACOUSTIC LINING, SUPPORT AND ACCESSORIES AS SHOWN. CONNECT TO EXISTING GENERAL EXHAUST FAN (EF-1). COORDINATE LOCATION AND ELEVATION ON SITE PRIOR TO INSTALLATION.
3. PROVIDE NEW CEILING MOUNTED (RECESSED) FORCE FLOW HEATER (FFH-1) C/W CONTROLS AND SPACE TEMPERATURE SENSOR AT 6'-0" AFF. CONNECT TO BAS.
4. PROVIDE NEW SURFACE WALL MOUNTED FORCE FLOW HEATER (FFH-2) AT 1'-0" AFF C/W CONTROLS AND SPACE TEMPERATURE SENSOR AT 6'-0" AFF. CONNECT TO BAS.
5. PROVIDE ELECTRIC BASE BOARD HEATER C/W BUILT-IN THERMOSTAT. SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. POWER CONNECTION BY ELECTRICAL CONTRACTOR. (TYPICAL)
6. EXISTING MECHANICAL ROOM EXHAUST FAN (EF-2), DUCTWORK AND ACCESSORIES TO REMAIN.
7. EXISTING BOILER, VENT, FLUE AND ACCESSORIES TO REMAIN. (TYPICAL)
8. PROVIDE NEW 24"X24" SQUARE SUPPLY AIR DIFFUSER. REFER TO DRAWING M-1 FOR SPECIFICATION. (TYPICAL)
9. PROVIDE NEW 24"X12" EGGCRATE RETURN AIR GRILLE IN OFFICE (TYPICAL).
10. PROVIDE NEW WASHROOMS AND JANITOR ROOM EXHAUST AIR GRILLES C/W BALANCING DAMPERS, SHEET METAL PLENUMS AND EXHAUST DUCT TO FAN. CONNECT TO EXHAUST FAN. BALANCE TO AIR QUANTITIES AS SHOWN (CFM). (TYPICAL)
11. PROVIDE NEW CEILING SUSPENDED INLINE EXHAUST FAN (EF-3, EF-4) FOR WASHROOM AND JANITOR ROOM AS HIGH AS POSSIBLE. PROVIDE ASSOCIATED EXHAUST DUCTWORK AND ACCESSORIES AS SHOWN. ALL ITEMS SHALL BE INSTALL 1 FEET ABOVE T-BAR CEILING. CONNECT TO EXISTING PLENUM/ LOUVRE. COORDINATE LOCATION AND ELEVATION ON SITE PRIOR TO INSTALLATION. REFER TO DRAWING M-1 FOR SPECIFICATION.
12. PROVIDE NEW CEILING MOUNTED EXHAUST FAN (EF-5) FOR STAFF ROOM. PROVIDE ASSOCIATED EXHAUST DUCTWORK AND ACCESSORIES AS HIGH AS POSSIBLE. CONNECT TO EXISTING PLENUM/ LOUVRE. COORDINATE LOCATION AND ELEVATION ON SITE PRIOR TO INSTALLATION. REFER TO DRAWING M-1 FOR SPECIFICATION.
13. EXISTING BASE BUILDING DUCTWORK, FIRE DAMPER AND ACCESSORIES TO REMAIN. (TYPICAL)
14. PROVIDE NEW DOOR GRILLE FOR JANITOR ROOM. DOOR GRILLE SHALL BE THE FIRE RATED TYPE. REFER TO DRAWING M-1 FOR SPECIFICATION.
15. EXISTING MAKEUP AIR UNIT, STEAM HUMIDIFIER, FLUID COOLING, DUCTWORK, PIPING AND ACCESSORIES TO REMAIN. (TYPICAL)
16. PROVIDE NEW SUPPLY DUCTWORK CONNECTED TO EXISTING MAKEUP AIR UNIT. PROVIDE DUCTWORK AT 9'-3" ABOVE FINISHED FLOOR WITH INDEPENDENT HANGERS, UNLESS OTHERWISE NOTED. CONNECT THE DUCTWORK TO THE NEW VAV BOXES. COORDINATE WITH ARCHITECT AND LCBO COORDINATOR FOR THE FINAL DUCTWORK ELEVATION. ALL EXPOSED DUCTWORK SHALL BE PAINTED. COORDINATE COLOR WITH THE ARCHITECT. PROVIDE REMOTE DUCT MOUNTED DIFFERENTIAL STATIC PRESSURE SENSOR AT LAST 1/3 OF THE MAIN DUCTWORK AND CONNECT TO BAS. (TYPICAL)
17. PROVIDE VAV BOXES & ASSOCIATED DUCT WORK AT 9'-3" ABOVE FINISHED FLOOR. VAV BOXES SHALL BE C/W HANGERS. INSTALLATION OF VAV BOX & DUCT BY MECHANICAL CONTRACTOR. BAS CONTRACTOR TO INSTALL CONTROLLERS, WIRING AND ACCESSORIES. REFER TO DRAWING M-1 FOR SPECIFICATION. (TYPICAL)
18. PROVIDE NEW SUPPLY & RETURN AIR DUCTWORK CONNECTED TO HEAT PUMP UNITS. PROVIDE INTERNAL ACOUSTIC LINING 15 FEET DOWNSTREAM OF SUPPLY AND RETURN AIR DUCTS CONNECTED TO HEAT PUMP UNIT. PROVIDE SUPPLY AIR DUCT AND RETURN AIR DUCT AT 9'-3" ABOVE FINISHED FLOOR WITH INDEPENDENT HANGERS, UNLESS OTHERWISE NOTED. COORDINATE WITH ARCHITECT AND LCBO COORDINATOR FOR THE FINAL DUCTWORK ELEVATION. ALL EXPOSED DUCTWORK AND GRILLES SHALL BE PAINTED. COORDINATE COLOR WITH THE ARCHITECT. PROVIDE SHEET METAL FRAME C/W ACCESS DOOR AND RETAINING CHAIN FOR FUTURE FILTER REPLACEMENT. (TYPICAL)
19. PROVIDE NEW 20"X10" TRANSFER AIR DUCT W/ GRILLES, ACOUSTIC LINING AND HANDGERS AT 9'-3" AFF FACING RETAIL AREA. LOCATION AND ELEVATION TO BE VERIFIED ON SITE. COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION. REFER TO DRAWING 8/M-2 FOR DETAILS. (TYPICAL)
20. PROVIDE NEW 6"X6" SUPPLY DUCT AT 11'-0" AFF C/W BALANCING DAMPER AND TERMINATED ABOVE VESTIBULE CEILING. SUPPLY OUTLET TO BE C/W BIRDSCREEN. LOCATION AND ELEVATION TO BE VERIFIED ON SITE. COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
21. BAS CONTRACTOR TO PROVIDE THERMOSTAT ASSOCIATED WITH HP-1. BAS CONTRACTOR TO PROVIDE TEMPERATURE SENSOR ASSOCIATED WITH HP-2, HP-3, HP-4, HP-5 AND HP-6. HP-1 THERMOSTAT SHALL BE PROGRAMMED BY THE MECHANICAL CONTRACTOR PRIOR TO COMMISSIONING. THERMOSTAT PROGRAMMING INCLUDING TIME-OF-DAY AND TEMPERATURE SETPOINTS TO BE PROGRAMMED BY THE CONTRACTOR. REFER TO OFFICE THERMOSTAT SCHEDULE ON THIS DRAWING. COORDINATE WITH LCBO FOR FINAL LOCATION OF THERMOSTATS & SENSORS. INSTALL ALL SENSORS IN RETAIL AND WAREHOUSE AREA AT 6 FEET ABOVE FINISHED FLOOR. INSTALL THERMOSTAT IN OFFICE AT 3'-11" ABOVE FINISHED FLOOR (TYPICAL).
22. BAS CONTRACTOR TO PROVIDE CO2 SENSORS, HUMIDISTATS AND PLENUM RATED CABLE AS SHOWN. CONNECT TO BAS. MAKEUP AIR UNIT AND VAV BOXES TO BE MODULATED, BASED ON SIGNALS RECEIVED FROM CO2 SENSORS & HUMIDISTATS. INSTALL ALL SENSORS IN RETAIL AND WAREHOUSE AREA AT 6 FEET ABOVE FINISHED FLOOR. COORDINATE WITH LCBO FOR FINAL LOCATION OF SENSORS. (TYPICAL)
23. PROVIDE NEW DOOR GRILLE FOR WASHROOMS AND STAFF ROOM. REFER TO DRAWING M-1 FOR SPECIFICATION. (TYPICAL)
24. PROVIDE NEW FIRE DAMPER, TYPE "B" DYNAMIC. REFER TO DRAWING M-2 FOR SPECIFICATION. (TYPICAL)
25. PROVIDE RETURN AIR GRILLE AT 9'-3" AFF. COORDINATE LOCATION WITH STRUCTURAL TRADES. (TYPICAL)
26. BALANCE ALL DIFFUSERS, GRILLES, EXHAUST FANS, SUPPLY FANS, FAN COIL UNITS, ETC., TO AIR QUANTITIES AS SHOWN (CFM). AIR BALANCER TO BE COORDINATED BY CONTRACTOR. REFER TO SECTION 23 08 16. REFER TO DETAIL 5 & 6 ON DRAWING M-2 FOR LOCATION OF BALANCING DAMPER. (TYPICAL)
27. NEW FRIDGE PROVIDED BY REFRIGERATION CONTRACTOR. REFRIGERANT LINES, START-UP SERVICES AND REPORT PROVIDED BY REFRIGERATION CONTRACTOR. REFRIGERANT LINES SHALL BE INSTALLED AS HIGH AS POSSIBLE BY REFRIGERATION CONTRACTOR C/W SUPPORT AND ACCESSORIES. COORDINATE WITH BASE BUILDING AND LCBO FOR FINAL INSTALLATION LOCATION AND ELEVATION. (TYPICAL)
28. PROVIDE NEW SUPPLY & RETURN AIR GRILLE IN RETAIL AND WAREHOUSE AREAS. REFER TO DRAWING M-1 FOR SPECIFICATION. INSTALL SUPPLY AIR GRILLES ON THE SIDE OF THE DUCTWORK (TYPICAL).
29. NEW OUTDOOR OUTDOOR CONDENSING UNITS C/W STEEL FRAME SUPPORT PROVIDED BY REFRIGERATION CONTRACTOR. COORDINATE WITH BASE BUILDING AND LCBO FOR FINAL INSTALLATION LOCATION AND ELEVATION. (TYPICAL)
30. EXISTING MOTORIZED DAMPER INTERLOCKED WITH EF-1 TO REMAIN.
31. PROVIDE BACKDRAFT DAMPER AND ACCESS PANEL ON EXHAUST DUCTWORK NEAR LOUVRE AS PER CODE. (TYPICAL)
32. EXISTING OUTDOOR DUCTWORK WITH FIRE-RATED DUCT WARP TO REMAIN.
33. PROVIDE THERMAL INSULATION MINIMUM OF 10 FEET ON EXHAUST DUCTWORK DOWNSTREAM OF LOUVRE INCLUDING THE PLENUM. (TYPICAL)
34. EXISTING IN-FLOOR HEATING PANEL C/W BTU METER ABOVE T-BAR AND THERMOSTAT. INSTALL THERMOSTAT AT 3'-11" AFF AND PROVIDE LOCKABLE COVER AND WIRING.
35. PROVIDE GRILLE ON VESTIBULE WALL AT 11'-0" AFF ABOVE CEILING FACING RETAIL AREA.

IBI

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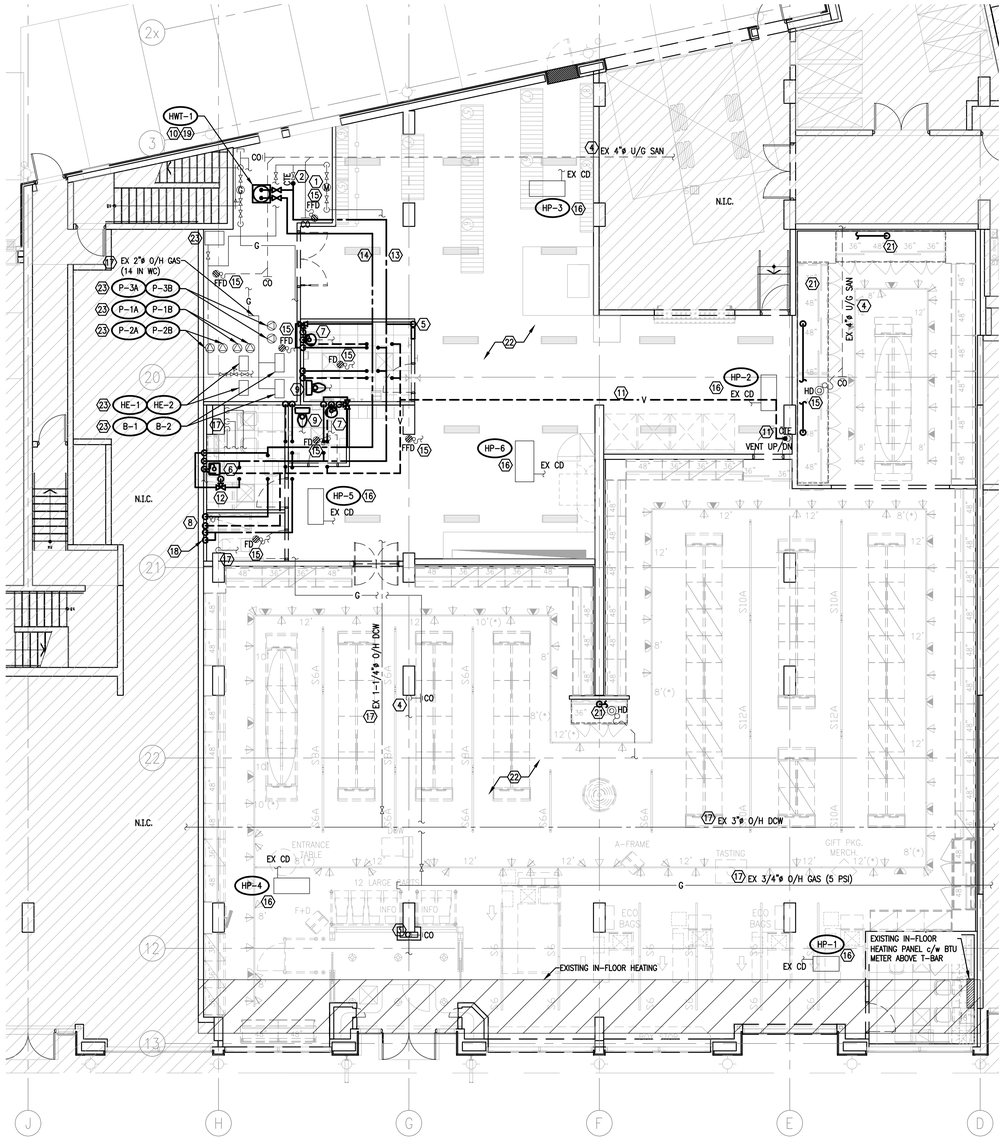
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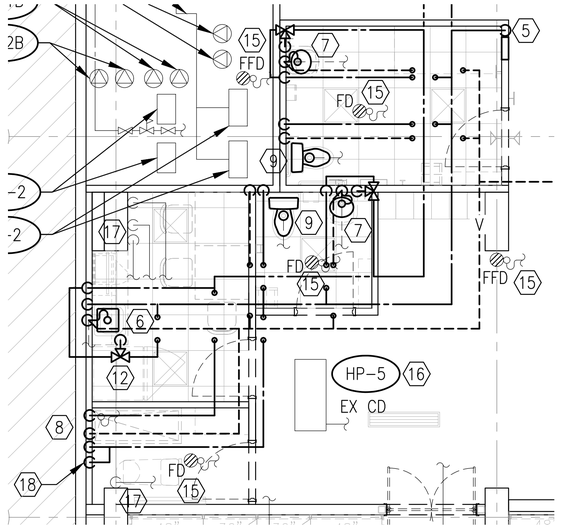
LCBO Store No. 686
OTTAWA, ON
Interior Fit-up

Project:
HVAC LAYOUT

Drawing Title:
Sheet No.: M-3



1 M-4 **MAIN FLOOR PLUMBING AND DRAINAGE LAYOUT**
SCALE: 1/8" = 1'-0"



2 M-4 **PARTIAL PLUMBING AND DRAINAGE LAYOUT**
SCALE: 1/4" = 1'-0"

KEYED NOTES (REFER TO FLOOR PLAN):

1. EXISTING 1-1/4"ø DOMESTIC COLD WATER MAIN PIPE C/W SHUT-OFF, BY-PASS, BACK FLOW PREVENTER, PRESSURE GAUGE, LOW POINT DRAIN, WATER METER C/W REMOTE READ OUT AND 1-1/4"ø VALVED & CAPPED CONNECTION.
2. CONNECT NEW 1-1/4"ø DOMESTIC COLD WATER LINE TO EXISTING 1-1/4"ø CAPPED CONNECTION.
3. EXISTING BASE BUILDING ABOVE GROUND STORM PIPE AND RWL TO REMAIN. GC TO PROVIDE ACCESS PANEL AS REQUIRED AND COORDINATE WITH ARCHITECT AND MILLWORK. (TYPICAL)
4. EXISTING BASE BUILDING ABOVE GROUND AND UNDERGROUND SANITARY PIPE AND LEADER TO REMAIN. GC TO PROVIDE ACCESS PANEL AS REQUIRED AND COORDINATE WITH ARCHITECT AND MILLWORK. (TYPICAL)
5. INSTALL AUTOMATIC TRAP SEAL PRIMER ASSEMBLY RECESSED INTO WALL AT 1'-0" ABOVE FINISHED FLOOR, FACING INTO WAREHOUSE. TRAP SEAL PRIMER ASSEMBLY HANDED OVER FROM LANDLORD TO LCBO C/W SOLENOID VALVE, TIMER AND ACCESS PANEL. PROVIDE LAMACOID LABEL FOR TRAP SEAL PRIMER ACCESS DOOR. PROVIDE NEW DOMESTIC COLD WATER PIPE TO TRAP SEAL PRIMER. CONNECT 1/2"ø DCW TO TRAP SEAL PRIMER.
6. PROVIDE NEW STAFF ROOM SINK AND FAUCET AS SPECIFIED ON DRAWING M-1 AND SPEC. CONNECT 1/2"ø DCW AND 1/2"ø DHW TO NEW SINK C/W ISOLATION VALVES. CONNECT SINK DRAIN PIPE TO EXISTING ROUGH-IN.
7. PROVIDE NEW WALL HUNG LAVATORY C/W FAUCET AS SPECIFIED ON DRAWING M-1 AND SPEC C/W THERMOSTATIC MIXING VALVE. PROVIDE 1/2"ø DCW AND 1/2"ø DHW CONNECTIONS TO MIXING VALVE C/W ISOLATION VALVES. PROVIDE 1/2"ø TEMPERED WATER LINE TO CONNECT LAV DHW LINE. PROVIDE 1/2"ø DCW TO CONNECT LAV DCW LINE C/W ISOLATION VALVE. LAV TEMPERED HOT WATER TEMPERATURE SHALL BE 38°C (100°F) – 43°C (110°F). INSTALL MIXING VALVE UNDER LAV INSIDE KNEE SHROUD. INSTALL AS PER MANUFACTURER INSTALLATION INSTRUCTIONS. CONNECT DRAIN PIPE TO EXISTING ROUGH-IN. FINAL POURING OF CONCRETE IN 18"X18" SQUARE OPENING AROUND DRAIN ROUGH-IN, BY CONTRACTOR. (TYPICAL)
8. PROVIDE NEW JANITOR SINK AND FAUCET AS SPECIFIED ON LCBO SPEC. CONNECT 1/2"ø DCW AND 1/2"ø DHW TO NEW SINK C/W ISOLATION VALVES. CONNECT SINK DRAIN PIPE TO EXISTING ROUGH-IN.
9. PROVIDE NEW FLOOR MOUNTED TOILET AS SPECIFIED ON LCBO SPECIFICATION. CONNECT 1/2" DCW PIPE. CONNECT TO EXISTING ROUGH-IN. (TYPICAL)
10. PROVIDE NEW HOT WATER TANK AT 8'-0" ABOVE FINISHED FLOOR (BOTTOM OF THE TANK). PROVIDE 1"ø DCW AND 1"ø DHW CONNECTIONS. REFER TO SPECIFICATION AND SCHEDULE FOR SIZE AND MODEL. REFER TO DETAIL 1/M-2 FOR TANK INSTALLATION. PROVIDE PAN DRAIN PIPE AND T&P DRAIN PIPE AND ROUTE INDIVIDUALLY TO NEAREST EXISTING INDIRECT DRAIN. EXACT LOCATION TO BE COORDINATED ON SITE BEFORE INSTALLATION. HOT WATER HEATER SUPPORT SYSTEM TO BE IN COMPLIANCE WITH THE BUILDING CODE, LOCAL CODES AND GUIDELINES IN TERMS OF DESIGN FOR SEISMIC ACTIVITY. REFER TO SECTION 20 05 15 AND 20 05 20 OF THE PROJECT SPECIFICATIONS.
11. PROVIDE NEW VENT PIPE FOR PLUMBING FIXTURES AS SPECIFIED ON DRAWING AND AS REQUIRED BY THE OBC. CONNECT 3"ø VENT PIPE TO EXISTING BASE BUILDING VENT. CONTRACTOR TO CAP AND SEAL ANY UN-USED BASE BUILDING VENT PROVISIONS.
12. PROVIDE NEW COUNTER MOUNTED EYEWASH IN STAFF ROOM C/W UNDER-COUNTER MIXING VALVE. INSTALL EYEWASH WITH HANDLE AND HEADS FACING AWAY FROM BACKSPLASH. EXACT LOCATION TO BE COORDINATED WITH LCBO. REFER TO DETAIL 13/M-2. PROVIDE 1/2"ø DCW AND 1/2"ø DHW CONNECTIONS TO MIXING VALVE. PROVIDE 1/2" TEMPERED WATER LINE. EYE WASH TEMPERED WATER TEMPERATURE SHALL BE 25 C – 30 C. INSTALL MIXING VALVE AT AN ACCESSIBLE LOCATION UNDER STAFF ROOM SINK. INSTALL AS PER MANUFACTURER INSTALLATION INSTRUCTIONS.
13. PROVIDE NEW 1-1/4"ø DOMESTIC COLD WATER PIPE TIGHT TO CEILING C/W PIPE INSULATION.
14. PROVIDE NEW 1"ø DOMESTIC HOT WATER PIPE TIGHT TO CEILING C/W PIPE INSULATION.
15. EXISTING FLOOR DRAIN, FUNNEL FLOOR DRAIN OR HUB DRAIN. TEMPORARILY PLUG FLOOR DRAINS DURING CONSTRUCTION PROCEDURES. REMOVE PLUG DURING FINAL CLEANUP WORK AND DEMONSTRATE FREE AND CLEAR OPERATION OF EACH DRAIN. REPLACE ANY DAMAGED GRATES (TYPICAL).
16. EXISTING HEAT PUMP UNIT C/W CONDENSATE PUMP AND PIPE CONNECTION TO BASE BUILDING CONDENSATE DRAIN SYSTEM W/ INSULATION AND VINYL JACKET. (TYPICAL)
17. EXISTING BASE BUILDING OVERHEAD PIPING AND LEADER TO REMAIN. (TYPICAL)
18. PROVIDE NEW HOSE BIBB IN JANITOR ROOM AND CONNECT TO AQUEOUS OZONE SYSTEM. HOSE BIBB SHALL BE WATTS S SERIES CAST BRASS C/W SEPARATE TAMPER-PROOF VACUUM BREAKER AND ESCUTCHEON. REFER TO DETAIL 14/M-2 FOR MORE INFORMATION.
19. PROVIDE (2) NEW WATER HAMMER ARRESTORS FOR HOT AND COLD WATER PIPES. WATER HAMMER ARRESTORS SHALL BE WATTS SERIES 15, 3/4" OR APPROVED EQUIVALENT. INSTALL WATER HAMMER ARRESTORS IN SERVICE PLATFORM AT AN ACCESSIBLE HEIGHT. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR TO VERIFY THE WATER PRESSURE AND INSTALL PRESSURE REDUCING VALVE UPSTREAM OF WATER HAMMER ARRESTOR AS REQUIRED BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
20. EXISTING HUB DRAIN. TEMPORARILY PLUG HUB DRAINS DURING CONSTRUCTION PROCEDURES. REMOVE PLUG DURING FINAL CLEANUP WORK AND DEMONSTRATE FREE AND CLEAR OPERATION OF EACH DRAIN. (TYPICAL)
21. NEW FRIDGE PROVIDED BY REFRIGERATION CONTRACTOR C/W CONDENSATE PIPING UNDERSIDE OF FRIDGE FROM CONDENSATE OUTLET TO EXISTING FUNNEL FLOOR DRAIN. CONDENSATE PIPING SIZE TO MATCH CONDENSATE OUTLET. PROVIDE CONDENSATE PUMP IF NECESSARY. (TYPICAL)
22. PROVIDE NEW COIL TYPE VINYL IDENTIFICATION MARKERS FOR ALL EXISTING AND NEW PIPING AFTER PAINTING. (TYPICAL)
23. EXISTING PUMPS, BOILERS, HEAT EXCHANGERS, PIPING AND ACCESSORIES TO REMAIN.

GENERAL NOTES :

1. PRIOR TO COMMENCEMENT OF WORK, ORDERING OF EQUIPMENT AND/OR FABRICATING MATERIALS THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS AND OR INTERFERENCES PRIOR TO COMMENCEMENT OF WORK. PROVIDE INTERFERENCE DRAWINGS.
2. ALL INSTALLATIONS SHALL COMPLY WITH LCBO'S APPROVED SPECIFICATIONS. REFER TO DIVISION 20, 21, 22 AND 23 OF LCBO'S SPECIFICATION.
3. ALL EXSITING AND NEW MECHANICAL EQUIPMENT TO BE LABELED WITH LAMACOID INCLUDING LANDLORD SUPPLIED EQUIPMENT. PROVIDE LAMACOID LABEL FOR TRAP SEAL PRIMER ACCESS DOOR, MIXING VALVES, WATER METER, GAS METER, HWT, PUMPS, HEAT EXCHANGERS, BOILERS, WATER TEMPERATURE SENSORS, IN-FLOOR HEATING PANEL ETC.
4. ALL VISIBLE RETAIL/WAREHOUSE PIPING (EXCEPT GAS LINE) SHALL BE PAINTED WHITE. COORDINATE FINAL COLOR WITH ARCHITECT.
5. FINAL POURING OF CONCRETE IN 18"X18" SQUARE OPENINGS IN THE SLAB, BY CONTRACTOR. CONTRACTOR TO ALSO ALLOW FOR SAN PIPE OFFSETS REQUIRED TO SUIT FIXTURE LOCATIONS.
6. ALL PIPE PENETRATIONS OF FIRE RATED WALLS TO BE FIRE-SEALLED.
7. CONTRACTOR TO RETAIN AND PAY FOR THE SERVICES OF AN EXPERIENCED SEISMIC ENGINEERING FIRM. ALL SYSTEMS ARE TO BE CONSTRUCTED IN COMPLIANCE WITH THE BUILDING CODE, LOCAL CODES AND GUIDELINES IN TERMS OF DESIGN FOR SEISMIC ACTIVITY. REFER TO SECTION 20 05 15 AND 20 05 20 OF THE PROJECT SPECIFICATIONS.
8. ANY ADDITIONAL / UNFORESEEN SCANNING & CORING REQUIRED TO FULFILL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL BE INCLUDED IN THE ORIGINAL TENDERED PRICE. IT IS THE GC'S RESPONSIBILITY TO REVIEW THE EXISTING SITE CONDITIONS AND ALLOW FOR ANY ADDITIONAL CORING / SCANNING REQUIRED.

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Context Plan

General Notes

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7. DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT, AND MUST BE RETURNED UPON COMPLETION OF WORK.
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Issued for: ISSUED FOR TENDER

Issue Date: AUG 25, 2020

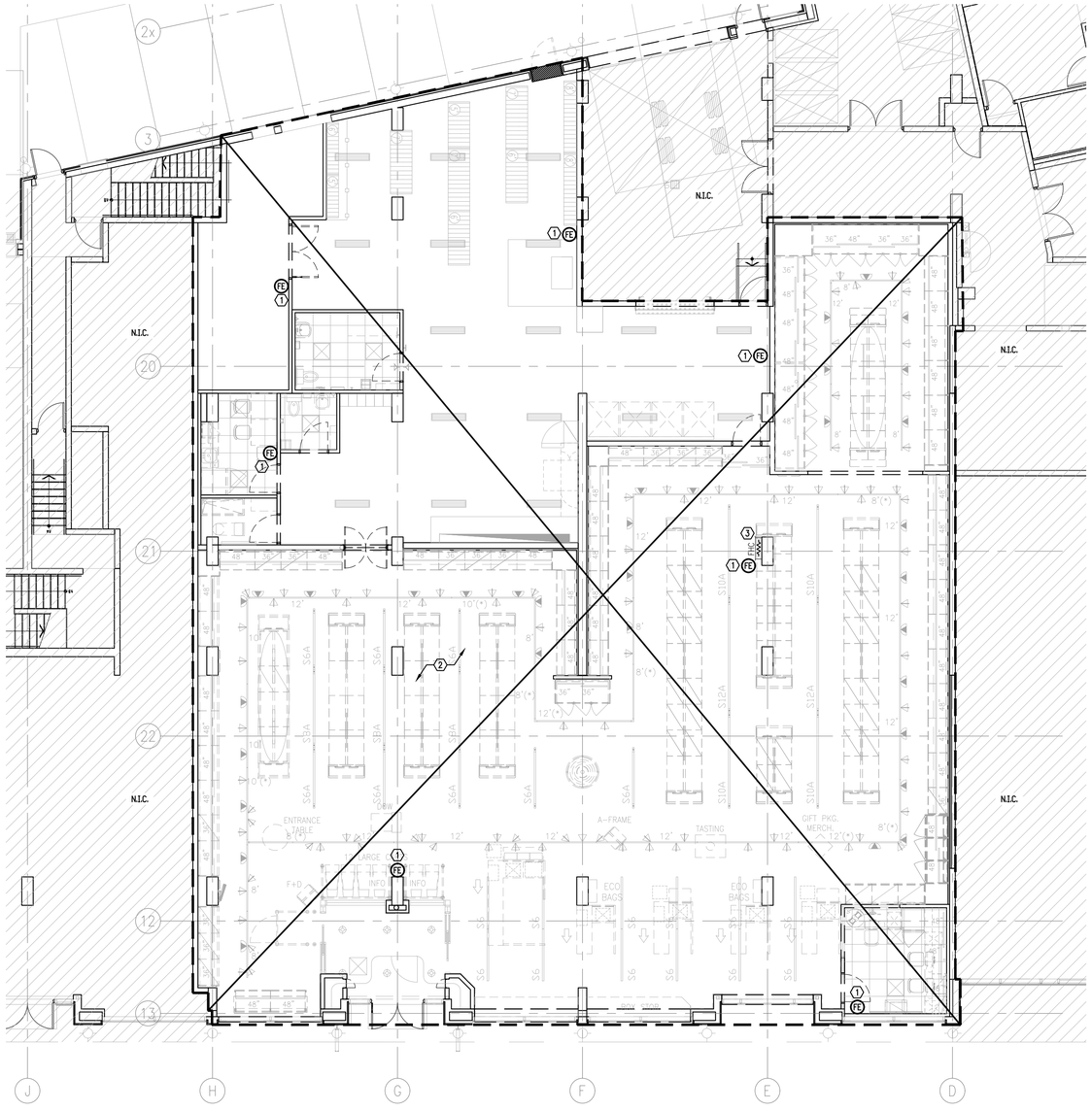
Project No.:	Scale:	Drawn by:	Checked by:
17M-02500-D1	AS NOTED	RD	FL

LCBO Store No. 686
OTTAWA, ON
Interior Fit-up

Project: PLUMBING AND DRAINAGE LAYOUT

Drawing Title:

Sheet No.: M-4



1 M-5 **FIRE PROTECTION LAYOUT**
SCALE: 1/8" = 1'-0"

GENERAL NOTES :

1. PRIOR TO COMMENCEMENT OF WORK, ORDERING OF EQUIPMENT AND/OR FABRICATING MATERIALS THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS AND OR INTERFERENCES PRIOR TO COMMENCEMENT OF WORK. PROVIDE INTERFERENCE DRAWINGS.
2. ALL INSTALLATIONS SHALL COMPLY WITH LCBO'S APPROVED SPECIFICATIONS. REFER TO DIVISION 20, 21, 22 AND 23 OF LCBO'S SPECIFICATION.
3. ALL MECHANICAL EQUIPMENT TO BE LABELED WITH LAMACOID INCLUDING LANDLORD SUPPLIED EQUIPMENT. PROVIDE LAMACOID LABEL FOR TRAP SEAL PRIMER ACCESS DOOR.
4. PROVIDE SHOP DRAWINGS CONSISTING OF SPRINKLER HEAD LAYOUTS, FIRE HOSE CABINET LAYOUTS (WHERE APPLICABLE) AND HYDRAULIC CALCULATIONS THAT HAVE BEEN STAMPED BY A PROFESSIONAL ENGINEER FOR REVIEW AND APPROVAL.
5. COORDINATE ALL SPRINKLER BRANCH PIPING WITH ALL NEW AND EXISTING EQUIPMENT AND SERVICES. RELOCATE SPRINKLER LINES TO FACILITATE THE INSTALLATION OF SERVICES AS REQUIRED.
6. ALL SPRINKLER COSTS SHALL BE INCLUDED AS PART OF THIS CONTRACT. SPRINKLER COSTS INCLUDE BOTH DESIGN CONSULTING COSTS AS WELL AS CONSTRUCTION COSTS. RETAIN THE BASE BUILDING FIRE PROTECTION CONTRACTOR FOR ANY SPRINKLER SYSTEM MODIFICATIONS WORK FOR THIS PROJECT. RETAIN THE FOLLOWING:

   OTTAWA SPRINKLER. ALL WORK TO BE CO-ORDINATED THROUGH APOLLO PROPERTY MANAGEMENT CONTACT: WADE KIRKPATRICK. wade@apollomgt.com. 613-225-7969 ext. 243
7. CONTRACTOR TO VERIFY EXISTING BASE BUILDING SPRINKLER HEADS. CONTRACTOR TO UTILIZE EXISTING SYSTEM TO DESIGN SPRINKLER SYSTEM TO SUIT INTERIOR FIT-UP AS SHOWN ON DRAWING AND REQUIRED BY LCBO SPECIFICATION AND BUILDING CODE.

GENERAL NOTES (FIRE PROTECTION) :

1. THE FIRE PROTECTION DRAWINGS ARE PREPARED TO PROVIDE THE DESIGN INTENT AND CONTRACT AREA TO THE CONTRACTOR, CITY, FIRE DEPARTMENT, LOCAL AUTHORITY AND UNDERWRITERS.
2. WSP CANADA GROUP LTD. IS NOT IN ANY WAY LIABLE FOR ACCURACY OF ANY INFORMATION OF THE FIRE PROTECTION DRAWINGS. USE OF THE FIRE PROTECTION DRAWINGS FOR OTHER PURPOSES SUCH AS PRICE QUOTATION AND ENGINEERING DESIGN SHALL BE AT THEIR OWN RISK.
3. THE SUCCESSFUL FIRE PROTECTION CONTRACTOR SHALL PREPARE ALL ENGINEERING DOCUMENTS (SEALED BY PROFESSIONAL ENGINEER) INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS CONSISTING OF SPRINKLER HEAD LAYOUTS, FIRE HOSE CABINET LAYOUTS (WHERE APPLICABLE) AND HYDRAULIC CALCULATIONS AND SUBMIT TO CONSULTANTS FOR CONCEPT REVIEW, SUBMIT TO LOCAL AUTHORITIES FOR APPROVAL (WHERE REQUIRED) AND SUBMIT TO THE CITY FOR APPROVAL AND PERMITS.
4. CONTRACTOR SHALL INCLUDE ALL THE MEASURES AND COSTS TO COMPLETE THE FIRE PROTECTION SYSTEM INCLUDING BUT NOT LIMITED TO OBTAINING INFORMATION OF EXISTING SYSTEM, VERIFYING & TESTING OF EXISTING SYSTEM, PIPE MODIFICATIONS, EQUIPMENT REPLACEMENT, ADDITIONAL DEVICE/ACCESSORIES, EXISTING ITEM REMOVAL & DISPOSAL, DRAINAGE & RECHARGE, FREEZE PROTECTION, INSULATION, POWER, COMMUNICATION, PERMIT APPLICATIONS, SITE VISITS AND SITE COORDINATION WITH OTHERS (LANDLORD, CONTRACTORS, OTHER DISCIPLINES ETC.)
5. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, STRUCTURAL, ARCHITECTURAL AND OTHER TRADES (EXISTING OR NEW) FOR FINAL LOCATION OF SPRINKLER HEADS AND PIPE ROUTING IN ORDER TO PREVENT CONFLICTS INCLUDING LIGHTING, GRILLES, DIFFUSERS AND SIMILAR ITEMS. OFFSET PIPING, RELOCATE OR ADD ADDITIONAL SPRINKLER HEADS AS REQUIRED TO PROVIDE PROPER SPRINKLER COVERAGE AT NO ADDITIONAL COST.
6. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL COORDINATE WORK WITH THE OWNER. THE DATE AND PERIOD OF TIME PERMITTED FOR DISCONNECTING AND NEW TIE-INS TO MECHANICAL SERVICES IN ORDER TO MINIMIZE INTERRUPTIONS OF THE SITE'S DAILY OPERATIONS. CONTRACTOR SHALL WALL IN HIS PRICE FOR AFTER HOURS WORK IN ORDER TO KEEP THE BUILDING OPERATIONAL DURING THE CONSTRUCTION PERIOD.
7. WHERE CEILING, FLOOR, AND/OR WALL OPENINGS ARE REQUIRED TO RUN MECHANICAL SERVICES, INCLUDE FOR ALL COST OF THESE DRAWINGS, CUTTING & PATCHING. SEAL-UP ALL OPENINGS WITH SMOKE AND FIRE-STOPPING MATERIALS.
8. CONTRACTOR TO ALLOW FOR FIRE-WATCH DURING PERIOD OF SPRINKLER SYSTEM REMEDIATION.
9. EXISTING SPRINKLER SYSTEM TO BE MODIFIED AS REQUIRED TO ACCOMMODATE ALL NEW WORK. REMOVE ALL REDUNDANT SPRINKLER HEADS AND ASSOCIATED PIPING AND PROVIDE ALL NECESSARY NEW PIPING INCLUDING MAINS, BRANCH MAINS AND BRANCH LINES TO NEW OR RELOCATED SPRINKLER HEADS.
10. REFER TO SPECIFICATIONS FOR THE TYPE OF SPRINKLER HEAD IN FINISHED CEILING, T-BAR CEILING, OWSJ AREA ETC.

KEYED NOTES (REFER TO FLOOR PLAN):

1. PROVIDE NEW FIRE EXTINGUISHERS (MINIMUM 7) C/W WALL BRACKET AND ARROW STICKERS. FIRE EXTINGUISHER LOCATIONS MUST BE APPROVED BY BUILDING INSPECTOR ON SITE PRIOR TO INSTALLATION.
2. IN ADDITION TO THE OVERALL BASE BID, CONTRACTOR TO ALLOW FOR RE-ROUTING/RE-WORKING/MODIFICATIONS OF EXISTING SPRINKLER PIPING/STANDPIPES/MAINS TO SUIT FIT-UP. COORDINATE WITH HVAC, ELECTRICAL AND PLUMBING TRADES. (TYPICAL). INCLUDE IN THIS CONTRACT AN ALLOWANCE FOR THE INSTALLATION OF 40FT OF 1-1/2"ø SPRINKLER PIPING AND INSTALLATION OF (4) SPRINKLER HEADS.
3. POTENTIAL FIRE HOSE CABINET LOCATION INDICATED FOR DESIGN COORDINATION PURPOSES ONLY. FIRE PROTECTION CONTRACTOR TO VERIFY EXACT LOCATIONS, QUANTITY AND COVERAGE AS PER CODE AND STANDARDS. COST OF ADDING, RELOCATING, REPLACING OR REMOVING FIRE HOSE CABINETS, ASSOCIATED PIPING AND ACCESSORIES SHALL BE INCLUDED AS PART OF THIS CONTRACT.

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LCBO Store No. 686
OTTAWA, ON
Interior Fit-up
Project:

FIRE PROTECTION LAYOUT
Drawing Title:

M-5
Sheet No.:

SEQUENCE OF OPERATION FOR MAKE-UP AIR UNIT AND GENERAL EXHAUST FAN:

1. OPERATION: MAKE-UP AIR UNIT AND GENERAL EXHAUST FAN ARE ENABLED TO RUN ON COMMAND BY BAS AS PER DEFINED OCCUPANCY SCHEDULE AND OPTIMAL START.

   OPTIMAL START: UNITS ENTER OCCUPIED MODE FOR MINIMUM OF 30 MINUTES BEFORE SCHEDULED OCCUPY PERIOD UNLESS MANUALLY OVERRIDE TO STOP.

   UNITS ARE PREVENTED FROM STARTING AGAIN FOR 60 SECONDS FOLLOWING A SHUTDOWN TO PREVENT CYCLING.

   VAV BOX DAMPERS, OUTDOOR AIR DAMPER AND EXHAUST AIR DAMPER SHALL BE OPENED AND CONFIRMED BEFORE MAKE-UP AIR UNIT FAN AND GENERAL EXHAUST FAN START.

   IN OCCUPIED MODE, MAKE-UP AIR UNIT MAINTAINS SUPPLY AIR TEMPERATURE SET POINTS DURING OCCUPIED MODE. WATER VALVES AND REHEAT ARE ENABLED AND MODULATED AS REQUIRED.

   OUTDOOR TEMPERATURE RESET: WHEN OUTDOOR AIR IS BELOW 10.0°C/50.0°F FOR MORE THAN 1 HOUR, AIR TEMPERATURE HEATING SET POINT WILL BE RESET AT 18.0°C/68.0°F. WHEN OUTDOOR AIR IS ABOVE 15.0°C/59.0°F FOR MORE THAN 1 HOUR, AIR TEMPERATURE COOLING SET POINT WILL BE RESET AT 13.0°C/55.0°F.

   MAKE-UP AIR UNIT FAN RUNS CONTINUOUSLY IN THE OCCUPIED MODE. WHEN THERE IS A CALL FOR HEATING, COOLING OR DEHUMIDIFICATION, FAN SPEED MODULATES TO MAXIMUM AIRFLOW SET POINT. VAV BOXES MODULATE TO MAXIMUM AIRFLOW SET POINT. OTHERWISE, FAN SPEED MODULATES TO MAINTAIN DUCT STATIC PRESSURE AT 1 IN.WG. AND VAV BOXES MODULATE BASED ON CO2 LEVEL.

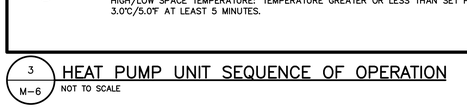
   GENERAL EXHAUST FAN RUNS CONTINUOUSLY IN THE OCCUPIED MODE AND MODULATES TO MAINTAIN 1,130 CFM LESS THAN MAKE-UP AIR UNIT SUPPLY AIR CAPACITY.

   UNIT MAINTAINS ZONE HUMIDITY 60% RH. WHEN ONE OF THE ZONE HUMIDITY EXCEEDS 65% RH, DEHUMIDIFICATION OF THE UNIT IS ENABLED UNTIL HUMIDITY LEVEL IN ALL ZONE IS SATISFIED.

   IN UNOCCUPIED MODE, UNITS ARE DISABLED. OUTDOOR AIR DAMPER, EXHAUST AIR DAMPER AND WATER VALVES ARE CLOSED. FANS ARE DISABLED.

2. ALARMS: DUCT STATIC PRESSURE ALARM: DUCT STATIC PRESSURE EXCEEDS 2 IN.WG. MAKE-UP AIR UNIT AND GENERAL EXHAUST FAN WILL BE SHUTOFF IMMEDIATELY. MANUAL RESET IS REQUIRED.
   HIGH/LOW SUPPLY AIR TEMPERATURE: TEMPERATURE GREATER OR LESS THAN SET POINTS BY 3.0°C/5.0°F AT LEAST 5 MINUTES.
   HIGH SPACE AIR HUMIDITY: HUMIDITY GREATER THAN SET POINTS BY 10% RH AT LEAST 5 MINUTES.
   UNIT FAILURE: UNIT FAILS TO RESPONDS TO COMMAND FOR MORE THAN 2 MINUTES.

1 / M-6 MAKE-UP AIR SYSTEM SEQUENCE OF OPERATION
NOT TO SCALE



SEQUENCE OF OPERATION FOR VAV BOX:

1. OPERATION: VAV BOXES ARE IN OCCUPIED/UNOCCUPIED MODE ON COMMAND BY BAS AS PER MAKE-UP AIR UNIT DEFINED OCCUPANCY SCHEDULE, OPTIMAL START.

   VAV BOX DAMPER SHALL OPEN AT MAXIMUM AIR FLOW SET POINT PRIOR TO MAKE-UP AIR UNIT FAN STARTS.

   VAV BOX DAMPER IS MODULATED BASED ON AIR FLOW SENSOR TO MAINTAIN SUPPLY AIR FLOW SET POINT IN OCCUPIED MODE.

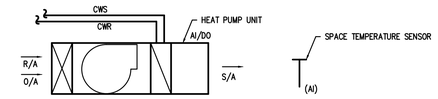
   CARBON DIOXIDE SENSOR (CO2) IN EACH ZONE SHALL RESET THE MINIMUM AIR FLOW OF THE VAV BOXES WITHIN THE ZONE TO MAINTAIN CO2 LEVELS BELOW 800 PPM. WHEN THE CO2 SENSOR DETECT LEVELS ABOVE 800 PPM THEN VAV BOX DAMPER IS MODULATED TO MAXIMUM AIR FLOW SET POINT.

   WHEN THE MAKE-UP UNIT IS IN HEATING, COOLING OR DEHUMIDIFICATION MODE, ALL VAV BOXES ARE MODULATED AT MAXIMUM AIR FLOW SET POINT. OTHERWISE, VAV BOXES ARE MODULATED BASED ON CO2 LEVEL.

   VAV BOX DAMPER RESETS TO MINIMUM AIR FLOW SET POINT IN UNOCCUPIED MODE.

2. ALARMS: AIR FLOW ALARM: AIR FLOW IS ABOVE OR BELOW SET POINT BY MORE THAN 20% DURING OCCUPIED PERIOD FOR AT LEAST 10 MINUTES AND MAKE-UP AIR UNIT IS RUNNING.
   HIGH ZONE CO2 LEVEL: CO2 LEVEL GREATER THAN 1000 PPM.

2 / M-6 VAV BOX SEQUENCE OF OPERATION
NOT TO SCALE



SEQUENCE OF OPERATION FOR HEAT PUMPS EXCEPT OFFICE HEAT PUMP UNIT:

1. OPERATION: HEAT PUMP UNITS ARE ENABLED TO RUN ON COMMAND BY BAS AS PER DEFINED OCCUPANCY SCHEDULE AND NIGHT-TIME SETBACK.

   UNIT MAINTAINS 20.0°C/68.0°F (ADJUSTABLE) HEATING AND 21.5°C/71.0°F (ADJUSTABLE) COOLING SPACE TEMPERATURE SET POINTS DURING OCCUPIED MODE. FAN RUNS CONTINUOUSLY IN THE OCCUPIED MODE.

   NIGHT-TIME SETBACK: UNIT RUNS INTERMITTENTLY AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AT THE UNOCCUPIED MODE (15.5°C/60.0°F & 23.5°C/74.0°F).

   CONTROLLER MONITORS SPACE TEMPERATURE AND ADJUSTS CONTROL VALVES TO MAINTAIN SPACE TEMPERATURE SET POINT. COOLING SHALL BE ENABLED WHENEVER FAN IS ON AND ZONE TEMPERATURE IS ABOVE SET POINT. HEATING SHALL BE ENABLED WHENEVER FAN IS ON AND ZONE TEMPERATURE IS BELOW SET POINT.

   HEATING SET POINT= SETPOINT – DEADBAND/2
   COOLING SET POINT= SETPOINT + DEADBAND/2
   DEADBAND=3.0°C/5.0°F (ADJ. AT OWS)

   IN UNOCCUPIED MODE, UNITS ARE DISABLED. WATER VALVES ARE CLOSED.

2. ALARMS: HEAT PUMP FAILURE: COMMAND ON, BUT THE STATUS IS OFF.
   HIGH/LOW SPACE TEMPERATURE: TEMPERATURE GREATER OR LESS THAN SET POINTS BY 3.0°C/5.0°F AT LEAST 5 MINUTES.

3 / M-6 HEAT PUMP UNIT SEQUENCE OF OPERATION
NOT TO SCALE

SEQUENCE OF OPERATION FOR HEAT PUMP LOOP:

1. OPERATION: PUMP P-1A/B IS ENABLED TO RUN CONTINUOUSLY (24/7). PUMP P-1A/B IS IN LEAD-LAG MODE.

   BAS ENABLES AND MODULATES FLUID COOLER DC-1 AND WATER VALVES OF HEAT EXCHANGER HE-1 TO MAINTAIN SUPPLY WATER TEMPERATURE (BAS T1) SET POINTS AT 40.6°C/105.0°F.

   SUPPLY & RETURN WATER TEMPERATURE OF FLUID COOLER DC-1 (BAS T2 & T3) ARE MONITORED. SUPPLY & RETURN WATER TEMPERATURE OF HEAT EXCHANGER HE-1 (BAS T4 & T5) ARE MONITORED.

2. ALARMS: HIGH/LOW SUPPLY WATER TEMPERATURE: TEMPERATURE (BAS T1) GREATER OR LESS THAN SET POINTS BY 3.0°C/5.0°F AT LEAST 5 MINUTES.
   PUMP FAILURE: PUMP FAILS TO RESPONDS TO COMMAND FOR MORE THAN 2 MINUTES OR CURRENT TRANSDUCER DOES NOT MATCH PUMP COMMAND FOR MORE THAN 2 MINUTES.
   FLUID COOLER FAILURE: FAILS TO RESPONDS TO COMMAND FOR MORE THAN 2 MINUTES

4 / M-6 HEAT PUMP LOOP SEQUENCE OF OPERATION
NOT TO SCALE

SEQUENCE OF OPERATION FOR BOILER WATER LOOP:

1. OPERATION: PUMP P-2A/B IS ENABLED TO RUN ON COMMAND BY BAS AS PER DEFINED OCCUPANCY SCHEDULE, OPTIMAL START, DEMAND-BASED. PUMP P-2A/B IS IN LEAD-LAG MODE.

   OPTIMAL START: SYSTEM ENTERS OCCUPIED MODE FOR MINIMUM OF 30 MINUTES UPON SCHEDULED OCCUPY PERIOD UNLESS MANUALLY OVERRIDE TO STOP.

   IN OCCUPIED MODE, PUMP RUNS CONTINUOUSLY. BAS ENABLES AND MODULATES BOILERS (B-1 & B-2) TO MAINTAIN SUPPLY WATER TEMPERATURE (BAS T6) HEATING SET POINTS. BOILERS RUN IN PARALLEL SEQUENCING (MANUFACTURER PRE-SET MODE).

   OUTDOOR TEMPERATURE RESET: WHEN OUTDOOR AIR IS BELOW 10.0°C/50.0°F FOR MORE THAN 1 HOUR, WATER TEMPERATURE HEATING SET POINT WILL BE RESET AT 71.1°C/160.0°F. WHEN OUTDOOR AIR IS ABOVE 15.0°C/59.0°F FOR MORE THAN 1 HOUR, WATER TEMPERATURE HEATING SET POINT WILL BE RESET AT 49.0°C/120.0°F.

   SYSTEM IS PREVENTED FROM STARTING AGAIN FOR 60 SECONDS FOLLOWING A SHUTDOWN TO PREVENT CYCLING.

   RETURN WATER TEMPERATURE (BAS T7), BOILER B-1 SUPPLY WATER TEMPERATURE (BAS T10) AND BOILER B-2 SUPPLY WATER TEMPERATURE (BAS T11) ARE MONITORED.

   IN UNOCCUPIED MODE, ON THE CALL FOR HEATING BY HEAT PUMP, SYSTEM IS ENABLED AND MAINTAINS SUPPLY WATER TEMPERATURE HEATING SET POINT. OTHERWISE, PUMP AND BOILERS ARE DISABLED. WATER VALVES ARE CLOSED.

2. ALARMS: HIGH/LOW SUPPLY WATER TEMPERATURE: TEMPERATURE (BAS T6) GREATER OR LESS THAN SET POINTS BY 3.0°C/5.0°F AT LEAST 5 MINUTES.
   PUMP FAILURE: PUMP FAILS TO RESPONDS TO COMMAND FOR MORE THAN 2 MINUTES OR CURRENT TRANSDUCER DOES NOT MATCH PUMP COMMAND FOR MORE THAN 2 MINUTES.
   BOILER FAILURE: FAILS TO RESPONDS TO COMMAND FOR MORE THAN 2 MINUTES

5 / M-6 BOILER WATER LOOP SEQUENCE OF OPERATION
NOT TO SCALE

SEQUENCE OF OPERATION FOR MAKE-UP AIR UNIT HEATING LOOP:

1. OPERATION: PUMP P-3A/B IS ENABLED TO RUN ON COMMAND BY BAS AS PER DEFINED OCCUPANCY SCHEDULE AND DEMAND-BASED. PUMP P-3A/B IS IN LEAD-LAG MODE.

   IN OCCUPIED MODE, PUMP RUNS CONTINUOUSLY WHEN THE OUTDOOR AIR TEMPERATURE IS BELOW 15.0°C/59.0°F FOR MORE THAN 1 HOUR. WATER VALVES OF HEAT EXCHANGER HE-2 ARE MODULATED BY BAS TO MAINTAIN SUPPLY WATER TEMPERATURE (BAS T8) HEATING SET POINTS.

   WHEN THE OUTDOOR AIR TEMPERATURE IS ABOVE 20.0°C/68.0°F FOR MORE THAN 1 HOUR AND THE SYSTEM IS IN OCCUPIED MODE, PUMP IS ENABLED BASED ON COMMAND OF MAKE-UP AIR UNIT HEATING. BAS ENABLES AND MODULATES WATER VALVES OF HEAT EXCHANGER HE-2 TO MAINTAIN SUPPLY WATER TEMPERATURE (BAS T8) HEATING SET POINTS. OTHERWISE, THE PUMP IS DISABLED. WATER VALVES ARE CLOSED.

   OUTDOOR TEMPERATURE RESET: WHEN OUTDOOR AIR IS BELOW 10.0°C/50.0°F FOR MORE THAN 1 HOUR, WATER TEMPERATURE HEATING SET POINT WILL BE RESET AT 71.1°C/160.0°F. WHEN OUTDOOR AIR IS ABOVE 15.0°C/59.0°F FOR MORE THAN 1 HOUR, WATER TEMPERATURE HEATING SET POINT WILL BE RESET AT 60.0°C/140.0°F.

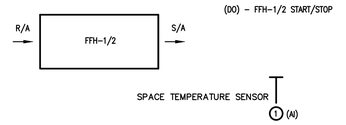
   SYSTEM IS PREVENTED FROM STARTING AGAIN FOR 60 SECONDS FOLLOWING A SHUTDOWN TO PREVENT CYCLING.

   RETURN WATER TEMPERATURE (BAS T9) IS MONITORED.

   IN UNOCCUPIED MODE, PUMP IS DISABLED. WATER VALVES ARE CLOSED.

2. ALARMS: HIGH/LOW SUPPLY WATER TEMPERATURE: TEMPERATURE (BAS T8) GREATER OR LESS THAN SET POINTS BY 3.0°C/5.0°F AT LEAST 5 MINUTES.
   PUMP FAILURE: PUMP FAILS TO RESPONDS TO COMMAND FOR MORE THAN 2 MINUTES OR CURRENT TRANSDUCER DOES NOT MATCH PUMP COMMAND FOR MORE THAN 2 MINUTES.

6 / M-6 MUA HEATING LOOP SEQUENCE OF OPERATION
NOT TO SCALE



SEQUENCE FFH:

1. OPERATION: FFH-1/2 IS PROGRAMMED OCCUPIED/UNOCCUPIED FROM BAS TO SUIT STORE OPERATING SCHEDULE. FFH-1/2 SHALL MAINTAIN SPACE TEMPERATURE OF 17.0°C/63.0°F DURING OCCUPIED HOURS AND 15.0°C/59.0°F DURING UNOCCUPIED HOURS (ADJUSTABLE).

2. ALARMS: FFH FAILURE: COMMAND ON, BUT THE STATUS IS OFF.

7 / M-6 FORCED FLOW HEATER SEQUENCE OF OPERATION
NOT TO SCALE

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f: 905-475-5994
www.wsp.ca

Context Plan

General Notes
1. ALL DIMENSIONS IN IMPERIAL.
2. VERIFY ALL DIMENSIONS.
3. DO NOT SCALE DRAWINGS.
4. CHECK DRAWINGS AGAINST SPECIFICATIONS.
5. USE THE LATEST REVISED DRAWINGS ONLY.
6. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SCHEDULES, DISCOVERED ERRORS, OR OMISSIONS, TO THE ARCHITECT AND LCBO DURING TENDER PERIOD AND BEFORE PROCEEDING WITH ANY WORK.
7. DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT, AND MUST BE RETURNED UPON COMPLETION OF WORK.
8. TO VIEW A LIST OF BIDDERS FOR THIS PROJECT, PLEASE GO TO: WWW.BIDDINGO.COM/LCBO

Rev.:	Date:	Description:	Initial
10	AUG 25, 2020	ISSUED FOR TENDER	ML
9	AUG 14, 2020	RE-ISSUED FOR PERMIT	ML
8	DEC 04, 2019	ISSUED FOR PERMIT	ML
7	NOV 20, 2019	ISSUED FOR REVIEW	ML
6	SEPT 05, 2019	ISSUED FOR 100% REVIEW	ML
5	JUL 15, 2019	ISSUED FOR 90% REVIEW	ML
4	JUL 10, 2019	ISSUED FOR BAS COORDINATION	ML
3	JUN 26, 2019	ISSUED FOR 60% REVIEW	RD
2	MAY 23, 2019	ISSUED FOR 60% REVIEW	RD
1	MAY 07, 2019	ISSUED FOR COORDINATION	ML

Issued for: ISSUED FOR TENDER

Issue Date: AUG 25, 2020

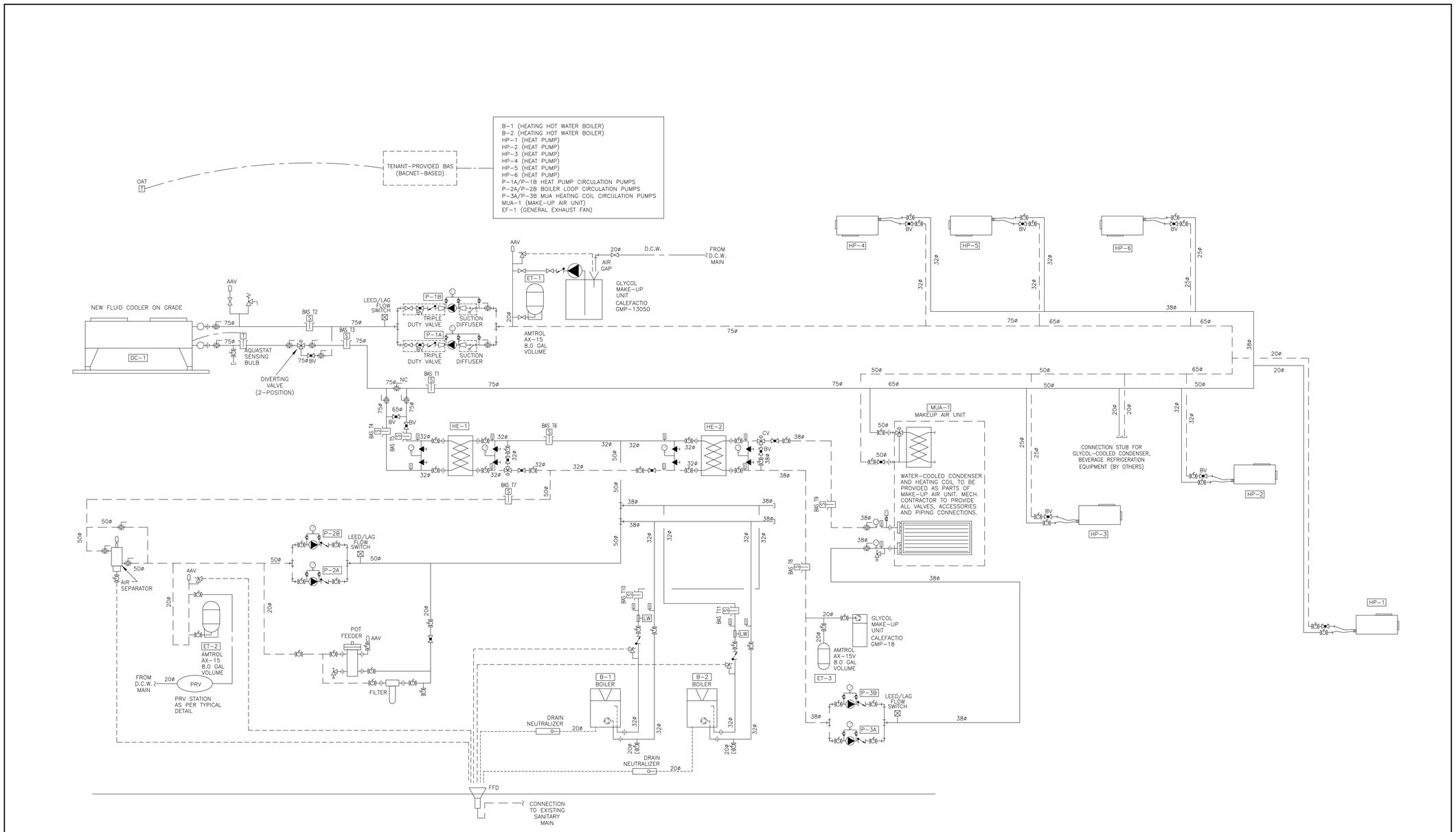
Project No.:	Scale:	Drawn by:	Checked by:
17M-02500-D1	N.T.S.	RD	FL

LCBO Store No. 686
OTTAWA, ON
Interior Fit-up

Project: SEQUENCE OF OPERATIONS

Drawing Title:

Sheet No.: M-6



1 / M-7 HYDRONIC HEATING AND COOLING SYSTEM SCHEMATIC (BY BASE BUILDING)
NOT TO SCALE

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Context Plan

General Notes

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3. DO NOT SCALE DRAWINGS.
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5. USE THE LATEST REVISED DRAWINGS ONLY.
6. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SCHEDULES, DISCOVERED ERRORS, OR OMISSIONS, TO THE ARCHITECT AND LCBO DURING TENDER PERIOD AND BEFORE PROCEEDING WITH ANY WORK.
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ISSUED FOR TENDER
Issued for:

AUG 25, 2020
Issue Date:

17M-02500-D1	N.T.S.	RD	FL
Project No.:	Scale:	Drawn by:	Checked by:

LCBO Store No. 686
OTTAWA, ON
Interior Fit-up

Project:

BASE BUILDING
HYDRONIC SCHEMATICS

Drawing Title:

M-7
Sheet No.:

REFLECTED CEILING LIGHTING LEGEND

SYMBOL	DESCRIPTION	LAMP / WATTS	REMARKS	NOTES
K	4" DIA. RECESSED LED DOWNLIGHT BY: JUNO LIGHTING INDY L4 SERIES HYPERBOLIC OPEN APERTURE MEDIUM/WIDE BEAM C/W **WHITE FLANGE FINISH** PRODUCT #L4-17-30-120-L400H-CL-WH	22W	DRYWALL CEILING WITHIN VESTIBULE AND DRYWALL CEILINGS IN VINTAGES AREA. ELECTRICAL ENGINEER TO ENSURE LIGHTS CLOSE TO WINDOW ARE IN SEPARATE CIRCUITS.	REFLECTOR L400HW-CLEAR-SPECULAR-WHITE FLANGE
M	NARROW FLOOD TRACK LIGHTING BY: JUNO LIGHTING TRAC-MASTER CYLINDRA LED **ALUMINUM FINISH AND TRACK TO MATCH** PRODUCT #T254L-3K-N	19W T254L LED	LOCATED IN GENERAL RETAIL AREA, BCR T-BAR CEILING & VINTAGES DRYWALL CEILING	ALUMINUM TRACK & TRACK HEADS C/W REQUIRED FEEDS, JOINERS, CONNECTORS ETC. VINTAGES AREA REQUIRES ADDITIONAL LINE VOLTAGE EXTENSION WAND FOR EACH TRACK HEAD (PRODUCT # T12, T18, T24, T36 OR T48 – LENGTH DEPENDANT ON TRACK MOUNTING HEIGHT – CONFIRM PRIOR TO ORDERING) FINISH ALUMINUM TO MATCH TRACK
N	WALL WASHER TRACK LIGHTING BY: JUNO LIGHTING TRAC-MASTER 35W LED WALL WASH/FLOOD **ALUMINUM FINISH AND TRACK TO MATCH** PRODUCT #T256LED-3K-SL	35W T256 LED	LOCATED IN GENERAL RETAIL AREA, BCR T-BAR CEILING	ALUMINUM TRACK & TRACK HEADS C/W REQUIRED FEEDS, JOINERS, CONNECTORS ETC.
D	LENGTH: 24" LONG T5 SINGLE CFI FLUORESCENT LIGHT FIXTURE BY: CANLYTE PRODUCT #SV2S114-UNV (HOUSING) PRODUCT #F14T5-830-ALTO (LAMP)	1 X 14 WATT 3000° KELVIN T5	UNDER CABINET LIGHTING LOCATED IN OFFICE, STAFF KITCHEN AND BEHIND SIGN BAND FASCIA – ELECTRONIC BALLAST BEHIND SIGN BAND FASCIA	PHILIPS DAY-BRITE #SV STRIP **REFER TO PLAN FOR REQUIRED QUANTITY**
D	LENGTH: 36" LONG T5 SINGLE CFI FLUORESCENT LIGHT FIXTURE BY: CANLYTE PRODUCT #SV3S121-UNV (HOUSING) PRODUCT #F21T5-830-ALTO (LAMP)	1X21 WATT 3000° KELVIN T5	UNDER CABINET LIGHTING LOCATED IN OFFICE, STAFF KITCHEN AND BEHIND SIGN BAND FASCIA – ELECTRONIC BALLAST BEHIND SIGN BAND FASCIA	PHILIPS DAY-BRITE #SV STRIP **REFER TO PLAN FOR REQUIRED QUANTITY**
D	LENGTH: 48" LONG T5 SINGLE CFI FLUORESCENT LIGHT FIXTURE BY: CANLYTE PRODUCT #SV4S128-UNV (HOUSING) PRODUCT #F28T5-830-ALTO (LAMP)	1X28 WATT 3000° KELVIN T5	UNDER CABINET LIGHTING LOCATED IN OFFICE, STAFF KITCHEN AND BEHIND SIGN BAND FASCIA – ELECTRONIC BALLAST BEHIND SIGN BAND FASCIA	PHILIPS DAY-BRITE #SV STRIP **REFER TO PLAN FOR REQUIRED QUANTITY**
S6	6'-0" SUSPENDED LINEAR'S BY AXIS LIGHTING BEAM 2 LED– W/ 2 SPOTS C/W CA#14'-0" AIRCRAFT CABLE/POWER CORD BOLLED–81–750–30–50–5–(2X) –SAP–120 C/W JOINERS ELECTRICAL CONTRACTOR TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO 9'–6" A.F.F. **FINISH-ALUMINUM PAINT**	1.875 WATTS PER LIN. FT. 3 WATTS/SPOT	CENTERED ABOVE CASH/CHECK–OUT COUNTER, SUSPENDED AT **9'–6" A.F.F.** TO UNDERSIDE	JOINERS, POWER CORD & AIRCRAFT MOUNTING KITS AND ALL OTHER PARTS REQUIRED, REFER TO PENDANT INSTALLATION INSTRUCTION FROM MANUFACTURER. AIRCRAFT CABLE & POWER TO BE MIN. 6'–0" LENGTH. ELECTRICAL CONTRACTOR TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO **9'–6" A.F.F.**
S6A	6'–0" SUSPENDED LINEAR'S BY AXIS LIGHTING BEAM 2 LED– W/ 2 SPOTS C/W CA#14'–0" AIRCRAFT CABLE/POWER CORD BOLLED–81–750–30–50–5–(2X) MR11LED–SAP–120 C/W JOINERS ELECTRICAL CONTRACTOR TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO 11'–6" A.F.F. **FINISH-ALUMINUM PAINT**	1.875 WATTS PER LIN. FT. 3 WATTS/SPOT	OPEN CEILING IN GENERAL RETAIL AREA	JOINERS, POWER CORD & AIRCRAFT MOUNTING KITS AND ALL OTHER PARTS REQUIRED, REFER TO PENDANT INSTALLATION INSTRUCTION FROM MANUFACTURER. AIRCRAFT CABLE & POWER TO BE MIN. 6'–0" LENGTH. ELECTRICAL CONTRACTOR TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO **11'–6" A.F.F.**
S8A	8'–0" SUSPENDED LINEAR'S BY AXIS LIGHTING BEAM 2 LED– W/ 2 SPOTS C/W CA#14'–0" AIRCRAFT CABLE/POWER CORD BOLLED–81–750–30–50–5–(2X) MR11LED–SAP–120 C/W JOINERS ELECTRICAL CONTRACTOR TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO 11'–6" A.F.F. **FINISH-ALUMINUM PAINT**	1.875 WATTS PER LIN. FT. 3 WATTS/SPOT	OPEN CEILING IN GENERAL RETAIL AREA	JOINERS, POWER CORD & AIRCRAFT MOUNTING KITS AND ALL OTHER PARTS REQUIRED, REFER TO PENDANT INSTALLATION INSTRUCTION FROM MANUFACTURER. AIRCRAFT CABLE & POWER TO BE MIN. 6'–0" LENGTH. ELECTRICAL CONTRACTOR TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO **11'–6" A.F.F.**
S10A	10'–0" SUSPENDED LINEAR'S (REFER TO REFLECTED CEILING PLAN PG. 5) BY: AXIS LIGHTING BEAM 2 LED– W/ 4 SPOTS C/W CA#14'–0" AIRCRAFT CABLE/POWER CORD BOLLED–81–750–30–50–5–(2X) MR11LED –SAP–120 C/W JOINERS ELECTRICAL CONTRACTOR TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO 11'–6" A.F.F. FINISH-ALUMINUM PAINT	1.875 WATTS PER LIN. FT. 3 WATTS/SPOT	OPEN CEILING IN GENERAL RETAIL AREA	JOINERS, POWER CORD & AIRCRAFT MOUNTING KITS AND ALL OTHER PARTS REQUIRED, REFER TO PENDANT INSTALLATION INSTRUCTION FROM MANUFACTURER. AIRCRAFT CABLE & POWER TO BE MIN. 12'–0" LENGTH. ELECTRICAL CONTRACTOR TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO **11'–6" A.F.F.**
S12A	12'–0" SUSPENDED LINEAR'S (REFER TO REFLECTED CEILING PLAN PG. 5) BY: AXIS LIGHTING BEAM 2 LED– W/ 2 SPOTS C/W CA#12'–0" AIRCRAFT CABLE/POWER CORD BOLLED–81–750–30–50–5–(2X) MR11LED –SAP–120 C/W JOINERS ELECTRICAL CONTRACTOR TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO 11'–6" A.F.F. FINISH-ALUMINUM PAINT	1.875 WATTS PER LIN. FT. 3 WATTS/SPOT	OPEN CEILING IN GENERAL RETAIL AREA	JOINERS, POWER CORD & AIRCRAFT MOUNTING KITS AND ALL OTHER PARTS REQUIRED, REFER TO PENDANT INSTALLATION INSTRUCTION FROM MANUFACTURER. AIRCRAFT CABLE & POWER TO BE MIN. 12'–0" LENGTH. ELECTRICAL CONTRACTOR TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO **11'–6" A.F.F.**
	2x2 RECESSED LED FIXTURE BY LITHONIA LIGHTING ACLED SERIES 2'X2' **FINISH: WHITE** PRODUCT #2ACL2 40L EZ1 LP830	1 x LED LP830 1 X 38 WATT	LOCATED IN OFFICE, BCR, STAFF KITCHEN AND STAFF WASHROOMS	
F	LITHONIA LED LIGHTING–IBL SERIES #12L–WD–SD125–LP735 DLC WIDE DISTRIBUTION W/ LENS, FRAME AND DOOR **FINISH: WHITE**	LED–12000 LUMENS	WAREHOUSE	
H	CFI– FLUXSTREAM 48" LONG LED LINEAR REFLECTOR LUMINAIRE #FSS–4–40L–835–UNV–DIM C/W WIRE GUARD FSSWG4 (WHITE) C/W CHAIN HANGING KIT AND POWER CABLE KIT.	LED–4100 LUMENS	JANITOR ROOM WAREHOUSE	
W	EXTERIOR WALL PACK –STANPRO WP2–L–S2–3–W/50K **FINISH: DARK GREY**	LED–5296 LUMENS	LOADING (EXTERIOR)	
J	EXTERIOR 1–WAY LIGHT FIXTURE (**DOWN ONLY**) BY: SISTEMALUX IGUZZINI KRISS DOWNLIGHT # L5688–SP001175 W/ 26 WATT BRIDGELUX LED INTEGRATED WITH RECESSED JUNCTION BOX. **FINISH: ANTHRACITE (DARK GRAY)** CONTACT: BOZENA MALANCZAK TEL: 416–408–3995 EXT. 222	1 x 26W LED 3000 KELVIN	REFER TO EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS. TO BE CENTERED HORIZONTALLY ON PROJECTED BRICK PIERS	

LAMP SCHEDULE

LAMP #	LAMP TYPE	WATTAGE	BASE	BEAM SPREAD	LAMP LIFE	COLOUR TEMP.	CRI
L2	LOW IRIDESCENT SPECULAR LED	22	N/A	N/A	>50,000 HRS.	3000° KELVIN	80
L3	T254L LED CYLINDRA LED	19	N/A	28° NARROW FLOOD	>50,000 HRS.	3000° KELVIN	85
L4	T256 LED WALL WASH/FLOOD LED	35	N/A	N/A	>50,000 HRS.	3000° KELVIN	
F8	24" T5 LONG–LIFE LINEAR FLUORESCENT TUBE	14	BI–PIN	N/A	>25,000 HRS. 3 HRS. START	3000° KELVIN	85
F9	36" T5 LONG–LIFE LINEAR FLUORESCENT TUBE	21	BI–PIN	N/A	>25,000 HRS. 3 HRS. START	3000° KELVIN	85
F10	48" T5 LONG–LIFE ENERGY SAVER LINEAR FLUORESCENT TUBE	28	BI–PIN	N/A	>25,000 HRS. 3 HRS. START	3000° KELVIN	85
L5	LED LINEAR	15.375	N/A	SPOTS 45°	>50,000 HRS.	3000° KELVIN	85
L7	LED LINEAR WITH SINGLE HEAD LED ADJUSTABLE SPOT LIGHTS	21	N/A	SPOTS 45°	>50,000 HRS.	3000° KELVIN	85
L7	LED LINEAR WITH SINGLE HEAD LED ADJUSTABLE SPOT LIGHTS	21	N/A	SPOTS 45°	>50,000 HRS.	3000° KELVIN	85
L8a	LED LINEAR WITH SINGLE HEAD LED ADJUSTABLE SPOT LIGHTS	24.75	N/A	SPOTS 45°	>50,000 HRS.	3000° KELVIN	85
L8a	LED LINEAR WITH SINGLE HEAD LED ADJUSTABLE SPOT LIGHTS	26.63	N/A	SPOTS 45°	>50,000 HRS.	3000° KELVIN	85
L13	LP830 LED (X1)	38	N/A	N/A	>50,000 HRS.	3000° KELVIN	82
L15	LED DOWN	100 WATTS	N/A	WIDE	>60,000 HRS.	3500° KELVIN	70
L16	LED DOWN	40.5 WATTS	N/A	N/A	>50,000 HRS.	3500° KELVIN	80
L18	LED DOWN	59 WATTS	N/A	N/A	>100,000 HRS	5000° KELVIN	78
L19	INTEGRATED BRIDGELUX MODULE	26 WATTS	N/A	N/A	>50,000 HRS	3000° KELVIN	80

THE LIGHTING SPECIFICATION FOR ALL LIGHT FIXTURES NOTED ON THE LEGEND OF DRAWING E–1 SHALL SUPERSEDE WHAT IS INDICATED IN SPECIFICATION SECTION 26 51 14 FOR THE SAME LIGHT

ALL LIGHT FIXTURES SHALL BE SUPPLIED BY (ENS), INSTALLED BY THE ELECTRICAL CONTRACTOR.
CONTACT: VICTOR VAN, LCBO@ENSINC.CA

GENERAL SYMBOLS

EM	CONNECT TO EMERGENCY CIRCUIT SERVING SPACE
NL	CONNECT TO UNSWITCHED NIGHT LIGHT CIRCUIT SERVING SPACE
K	KEYED SWITCH
3	THREE WAY SWITCH
4	FOUR WAY SWITCH
BL	MOTORIZED BLINDS OR SHADES SWITCH
M	MASTER SWITCH
EX	EXISTING ITEM TO REMAIN AS INSTALLED.
D	EXISTING ITEM TO BE DEMOLISHED. REMOVE ALL EXISTING WIRING, CONDUIT, ETC. BACK TO SOURCE. MAINTAIN CIRCUIT CONTINUITY DOWNSTREAM.
ER	EXISTING ITEM TO BE RELOCATED. EXTEND EXISTING WIRING IN CONDUIT TO NEW LOCATION AND CONNECT.
RP	EXISTING ITEMS IN RELOCATED POSITION.
RR	EXISTING ITEM TO BE REMOVED AND REINSTALLED IN EXISTING LOCATION.
X / E–X	DETAIL NUMBER / DRAWING NUMBER

DRAWING LIST

DRAWING NO.	DRAWING TITLE
E–1	ELECTRICAL LEGEND OF SYMBOLS AND LUMINARIES SCHEDULES
E–2	SINGLE LINE DIAGRAM AND PANEL SCHEDULES
E–3	ELECTRICAL LIGHTING LAYOUT
E–4	ELECTRICAL POWER LAYOUT
E–5	ELECTRICAL DETAILS
E–6	ELECTRICAL DETAILS
E–7	ELECTRICAL DETAILS
E–8	ELECTRICAL DETAILS
E–9	ELECTRICAL DETAILS
E–10	ELECTRICAL DETAILS

NOTES:

–ALL T8/T5 LAMP SPECIFICATIONS MUST USE ONE OF THE FOUR APPROVED MANUFACTURERS; GENERAL ELECTRIC, OSRAM SYLVANIA, PHILIPS LIGHTING, ACUITY LIGHTING

–ALL BALLAST SPECIFICATIONS MUST USE ONE OF THE FOUR APPROVED MANUFACTURERS; ADVANCE, OSRAM SYLVANIA, UNIVERSAL MAGNETECK, VENTURE

–ELECTRICAL ENGINEER'S DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL R.C.P. AND LIGHTING LEGEND.

–THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE LAMP PACKAGE AND ANY ASSOCIATED COORDINATION..

–ALL LIGHT FIXTURES SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR

–THE ELECTRICAL CONTRACTOR SHALL REVIEW FIXTURE QUANTITY RECEIVED AND REPORT ANY FIXTURE QUANTITY DISCREPANCY TO LCBO PROJECT MANAGER.

A. CLOSEOUT LETTER DOCUMENTS

A.1 PROVIDE CLOSEOUT DOCUMENTS FOR CLOSE OUT LETTER AFTER SUBSTANTIAL COMPLETION OF THE INSTALLATION

A.3 ESA INSPECTION CERTIFICATE
A.4 EMERGENCY LIGHTING TESTING (LUX READINGS) REPORT (MIN. 20 READINGS).
A.5 FIRE ALARM VERIFICATION REPORT C/W dBA TEST READINGS (MIN. 15 READINGS).
A.6 SIESMIC STAMPED ENGINEERING REPORT.

A. CLOSEOUT BINDER DOCUMENTS

A.2 PROVIDE CLOSEOUT DOCUMENTS FOR CLOSE OUT BINDER AFTER SUBSTANTIAL COMPLETION OF THE INSTALLATION

A.2.1 AS–BUILT DRAWINGS WITH CLEAR INFORMATION OF ALL JUNCTION BOXES AND INTERCONNECTED CONDUITS LOCATION
A.2.2 PRINTED COPY OF PANEL SCHEDULES.
A.2.3 ELECTRICAL LOAD AND BALANCE REPORT
A.2.4 WARRANTY LETTER.
A.2.5 MAINTENANCE MANUALS
A.2.6 APPROVED AND STAMPED SHOP DRAWINGS;

COORDINATE EXACT LOCATION OF ALL LUMINAIRES, SWITCHES, WIRING DEVICES, ETC. SHALL BE COORDINATED WITH INTERIOR DESIGNER REFLECTED CEILING PLAN AND WALL ELEVATION DRAWINGS AND WITH THE SITE CONDITION PRIOR TO INSTALLATION AND/OR ROUGHING–IN UNLESS OTHERWISE NOTED.

REFER TO THE FOLLOWING SRRS ELECTRICAL SPECIFICATIONS IN BID SPECIFICATIONS BINDER FOR

1–DIVISION 26 (BASIC ELECTRICAL MATERIALS) –
SECTION 26 05 00

2–DIVISION 26 (LCBO STORE CABLING) –
SECTION 26 05 00.03

3–DIVISION 26 (ELECTRICAL SERVICE) –
SECTION 26 24 171

4–DIVISION 26 (LIGHTING FIXTURE AND LAMPS) –
SECTION 26 51 14

5–DIVISION 28 (SECURITY AND COMMUNICATION SYSTEMS) –
SECTION 28 13 28

6–DIVISION 28 (FIRE ALARM SYSTEM) –
SECTION 28 31 00

6– DIVISION 26 (VIBRATION ISOLATION) –
SECTION 26.05.48

GENERAL NOTES:

1. CONTRACTOR BEFORE SUBMITTING BID PRICE SHALL EXAMINE THE SITE AND ALL DRAWINGS AND FAMILIARIZE HIMSELF WITH THE BUILDING CONSTRUCTION AND FINISHES IN ORDER THAT HIS TENDER WILL INCLUDE ALL NECESSARY ALLOWANCES FOR A PROPER COMPLETION OF THE WORK.
2. ALL DRAWINGS ARE DIAGRAMMATIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATE ONLY, AND MAY BE ALTERED BY THE ENGINEERS TO MEET THE REQUIREMENTS OF THE PROJECT. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECT'S AND MECHANICAL DRAWINGS FOR LOCATION OF ALL LUMINAIRES, SWITCHES, THE DEVICES, OUTLETS, FURNITURE, FEEDING POINTS, DIMENSIONS, MOUNTING HEIGHTS, AND CONSTRUCTION DETAILS.
3. MAINTAIN EXISTING FIRE ALARM, EXIT SIGNS AND EMERGENCY LIGHTS IN FULL OPERATION DURING THE ENTIRE CONSTRUCTION STAGE.
4. NEW AND EXISTING ELECTRICAL WIRING AND CABLES EXPOSED WITHIN THE CEILING SPACES SHALL CONFORM TO THE PLENUM REQUIREMENTS OF OBC SENTENCE 11.4.3. (1).
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL THE WORK WITH ALL OTHER TRADES, THE CONSULTANT, AND THE OWNER. ALL WORK SHALL BE SCHEDULED AND CARRIED OUT BY THE CONTRACTOR IN A MANNER TO ENSURE CONTINUED AND NON–INTERRUPTED OPERATION OF EXISTING FACILITY.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REFINISHING OF DAMAGED BUILDING AREAS AND FINISHES AFFECTED BY THE WORK AS OUTLINED UNDER SCOPE OF WORK OF THIS PROJECT.
7. EMPTY CONDUIT AND BACK BOXES FOR COMMUNICATION CABLE AND DATA OUTLET SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR. DATA FACE PLATE, J–HOOK AND COMMUNICATION CABLE BY COMMUNICATION CONTRACTOR
8. MOUNTING HEIGHT FOR ALL SWITCHES, PULL STATIONS, EXIT PUSH BUTTON AND SECURITY DEVICES SHALL BE COORDINATED WITH ARCHITECTURAL DRAWING.
9. ALL NEW DEVICES INSTALLED WHERE NEW FINISHES OCCUR SHALL BE FLUSH MOUNTED.
10. FOR EACH PIECE OF ELECTRICAL DISTRIBUTION EQUIPMENT FROM ELECTRICAL SOURCE OF SUPPLY UP TO AND INCLUDING PANELS, PROVIDE ENGRAVED LAMACOID IDENTIFICATION NAMEPLATES SECURED TO APPARATUS WITH STAINLESS STEEL SCREWS, WORDING TO INDICATE SOURCE OF ELECTRICAL SUPPLY AND SIZED TO SUIT EQUIPMENT FOR WHICH IT IS PROVIDED. CONFIRM EXACT NAMEPLATE WORDING, DESIGNATIONS AND SIZES WITH LCBO PRIOR TO MANUFACTURE. CONTRACTOR SHALL IDENTIFY AND LABEL CLEARLY ALL CIRCUITS, WIRING, SERVICES, JUNCTION BOXES, PULL BOXES, BATTERY UNITS WITH CIRCUIT NUMBERS, CEILING FAN REGULATOR SWITCH, ALL CONTROL SWITCH, SHUTTER AND SHADE SWITCH, BAS CURRENT TRANSDUCER JUNCTION BOX, HYDRO METER, PANELS AND TRANSFORMER PROVIDED BY LANDLORD, ALL OTHER DEVICES AND EQUIPMENT INSTALLED AND CONNECTED UNDER SCOPE OF WORK OF THIS PROJECT. IDENTIFICATION SHALL BE AS PER OWNER'S REQUIREMENTS AND ALL MARKINGS SHALL BE OF NON–ERASEABLE LAMACOID TYPE. COORDINATE ALL LABELING WITH THE LCBO AND CONSULTANT.
11. CODE COMPLIANT FIREPROOFING MATERIAL AND TECHNIQUES SHALL BE USED BY THE CONTRACTOR ON ALL PENETRATION OF FIRE RATED CEILINGS, PARTITIONS AND SLAB, WHERE THE PENETRATION ARE MADE BY OR USED BY THE CONTRACTOR TO MAINTAIN EXISTING/NEW FIRE RATING THROUGHOUT THE LCBO SPACE.
12. THE ELECTRICAL CONTRACTOR IS TO FOLLOW THE POWER AND LIGHTING CIRCUITING AS DETAILED ON THE DRAWINGS. ANY DEVIATIONS FROM THE DRAWINGS MUST BE APPROVED BY THE CONSULTANT IN WRITING PRIOR TO INSTALLATION. ANY DEVIATIONS FROM THE DRAWINGS THAT ARE NOT APPROVED BY THE CONSULTANT, MAY REQUIRE RE–WIRING AT THE CONTRACTOR'S EXPENSE.

FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION
	MANUAL PULL STATION
	FIRE ALARM BELL
	COMBINATION FIRE ALARM BELL/STROBE
FV	FIRE ALARM SPEAKER
	COMBINATION FIRE ALARM HORN/STROBE
	SMOKE AND CO DETECTOR TO BE COMPATIBLE WITH BASE BUILDING FIRE ALARM SYSTEM IF APPLICABLE, OTHERWISE SHALL BE 120V LOCAL SMOKE AND CO DETECTOR, CAT.#SC9120, BRK ELECTRONICS

COMMUNICATIONS SYMBOLS

SYMBOL	DESCRIPTION
	SINGLE VOICE OUTLET MOUNTED AT TYPICAL HEIGHT WITH SINGLE GANG BACK BOX AND 3/4" CONDUIT C/W PULL STRING TO ACCESSIBLE CEILING SPACE.
	SINGLE DATA OUTLET MOUNTED AT TYPICAL HEIGHT WITH SINGLE GANG BACK BOX AND 3/4" CONDUIT C/W PULL STRING TO ACCESSIBLE CEILING SPACE.
	SAME AS ABOVE BUT SUITABLE FOR TWO VOICE/DATA OUTLETS. TYPICAL FOR OVER COUNTER, CEILING AND FLOOR MOUNTED OUTLETS.
	SINGLE VOICE/DATA OUTLET MOUNTED OVER COUNTER OR AS SPECIFIED WITH SINGLE GANG BACKBOX AND 3/4" CONDUIT C/W PULL STRING TO ACCESSIBLE CEILING SPACE.
	SUSPENDED DATA OUTLET FROM CEILING SLAB WITH ½" CONDUIT FOR WIRELESS ACCESS POINT
	FLOOR MOUNTED VOICE/DATA OUTLET. REFER TO DETAIL FOR ADDITIONAL REQUIREMENTS.
BZ	BUZZER
CH	CHIME
EP	EMERGENCY PUSH BUTTON, SEE DETAIL ON DWG. E–10 FOR SPECIFICATION
	SECURITY STROBE LOGHT. SEE DETAIL ON DWG. E–10 FOR SPECIFICATION
P	B.F DOOR PUSH BUTTON. SEE DETAIL ON DWG. E–10 FOR SPECIFICATION
L	DOOR LOCK BUTTON. SEE DETAIL ON DWG. E–10 FOR SPECIFICATION
	PUSH BUTTON.
ML	ELECTROMAGNETIC LOCK
	SECURITY CAMERA
	TELECOM GROUNDING BUS BAR

LIGHTING SYMBOLS

SYMBOL	DESCRIPTION
— — —	LINE VOLTAGE CONTROL CONNECTION BETWEEN SWITCH AND FIXTURE, THERMOSTAT AND HEATER, ETC.
	TRACK LIGHT FIXTURE. SEE LUMINARIES SCHEDULES FOR SPECIFICATION
	1x4 FLUORESCENT LIGHT FIXTURE. SEE LUMINARIES SCHEDULES FOR SPECIFICATIONS
	LUMINAIRE CONNECTED TO EMERGENCY POWER OR UNSWITCHED NIGHT LIGHT CIRCUIT.
$ $ $	ONE, TWO, THREE GANG LINE VOLTAGE LIGHT SWITCH. DO NOT GANG SWITCHES OF DIFFERENT VOLTAGES TOGETHER.
D	DIMMER SWITCH. TYPE TO MATCH LOAD. DO NOT GANG DIMMERS TOGETHER WITH OTHER DEVICES.
OSS	OCCUPANCY SENSOR, WATTSTOPPER CAT.#PW–100 AUTOMATIC WALL SWITCH C/W 600W BALLAST–PARAMETER TO SET MANUAL 'ON', AUTOMATIC 'OFF'
OSD	OCCUPANCY SENSOR, WATTSTOPPER CAT.#PW–100 AUTOMATIC WALL SWITCH C/W 600W BALLAST–PARAMETER TO SET AUTOMATIC 'ON', AUTOMATIC 'OFF'
LSI	INTERNAL LIGHTING SENSOR, CAT.# LIGHTSAVER LS–101, WATTSTOPPER
TS	DIMMER SWITCH. TYPE TO MATCH LOAD. DO NOT GANG DIMMERS TOGETHER WITH OTHER DEVICES.

EMERGENCY LIGHTING SYMBOLS

SYMBOL	DESCRIPTION
X1/X2 X1/X2	CEILING MOUNTED/SUSPENDED EXIT LIGHT, COMPLETE WITH DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS.
X1/X2 X1/X2	WALL MOUNTED EXIT LIGHT, COMPLETE WITH DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS.
	CEILING/WALL MOUNTED COMBINATION BATTERY UNIT/EXIT SIGN, COMPLETE WITH HEADS/DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS.
B2 B2	EMERGENCY BATTERY UNIT, PLUG–IN OR DIRECT CONNECT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
	SINGLE, DOUBLE, TRIPLE REMOTE BATTERY HEAD.
	RECESSED EMERGENCY SPOT

POWER SYMBOLS

SYMBOL	DESCRIPTION
	DUPLEX U–GROUND 15A, 125 VOLT, 1ϕ RECEPTACLE MOUNTED 12" ABOVE FINISHED LEVEL, UNLESS OTHERWISE NOTED.
	DUPLEX U–GROUND 15A, 125 VOLT, 1ϕ RECEPTACLE MOUNTED 44" ABOVE FINISHED LEVEL, UNLESS OTHERWISE NOTED.
	QUAD U–GROUND 15A, 125 VOLT, 1ϕ RECEPTACLE MOUNTED 44" ABOVE FINISHED LEVEL, UNLESS OTHERWISE NOTED.
	SAME AS ABOVE WITH 60"AFF UNLESS OTHERWISE NOTED
	DUPLEX U–GROUND 15/20A, 125 VOLT, 1ϕ GFI RECEPTACLE CAT.# LEVITON 7599 SMARTLOCK PRO (SIMILAR TO CSA CONFIGURATION, 2012 5–20R).
	DUPLEX U–GROUND 15/20A, 125 VOLT, 1ϕ RECEPTACLE MOUNTED 12" ABOVE FINISHED LEVEL, UNLESS NOTED OTHERWISE. (SIMILAR TO NEMA 5–20RA).
	SIMILAR TO ABOVE, BUT MOUNTED ABOVE COUNTER OR AS SPECIFIED.
	15A, 120V, 1PH COMBINATION DUPLEX ISOLATED GROUND RECEPTACLE MOUNTED AT 14" AFF, UNLESS NOTED OTHERWISE. CAT.# HBLIG–5262, 15A RATED.
	15/20A, 120V, 1PH COMBINATION DUPLEX ISOLATED GROUND RECEPTACLE MOUNTED AT 14" AFF, UNLESS NOTED OTHERWISE. NEMA 5–20R, CAT.# HBLIG–5362 ORANGE COLOUR.
	RECESSED 1 DUPLEX CLOCK RECEPTACLE (LEVITON 690–I) 15A, 120V, 1PH AT 54" AFF
	SURFACE MOUNTED RECEPTACLE ATTACHED TO CEILING SLAB
	FLOOR MOUNTED RECEPTACLE/MILLWORK POWER CONNECTION
	RECESSED OR SURFACE MOUNTED PANEL.
	120V/24 STEP DOWN TRANSFORMER FOR BUZZER & CHIME
JB	4"X4" JUNCTION BOX UNLESS OTHERWISE NOTED ON DRAWINGS.
PB	PULL BOX, SIZE AS NOTED ON DRAWINGS.
	UNFUSED DISCONNECT SWITCH.
	FUSED DISCONNECT SWITCH.
	120V/1ϕ, 208V/3ϕ, 600V/3ϕ DIRECT CONNECTION.
	SINGLE PHASE MOTOR CONNECTION WITH LOCAL DISCONNECT.
	THREE PHASE MOTOR CONNECTION WITH LOCAL DISCONNECT.
T	THERMOSTAT BY BY MECHANICAL CONTRACTOR
R	SPEED CONTROLLER FOR CIRCULATING FAN BY MECHANICAL CONTRACTOR. CONDUIT AND WIRING BY THE ELECTRICAL CONTRACTOR
S	SPACE CONTROLLER FOR HVAC BY MECHANICAL CONTRACTOR. CONDUIT BY THE ELECTRICAL CONTRACTOR
TVSS	TRANSIENT VOLTAGE SUPPRESSION SYSTEM.
	ELECTRIC BASEBOARD HEATER.

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Context Plan

General Notes
1. ALL DIMENSIONS IN IMPERIAL.
2. VERIFY ALL DIMENSIONS.
3. DO NOT SCALE DRAWINGS.
4. CHECK DRAWINGS AGAINST SPECIFICATIONS.
5. USE THE LATEST REVISED DRAWINGS ONLY.
6. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SCHEDULES, DISCOVERED ERRORS, OR OMISSIONS, TO THE ARCHITECT AND LCBO DURING TENDER PERIOD AND BEFORE PROCEEDING WITH ANY WORK.
7. DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT, AND MUST BE RETURNED UPON COMPLETION OF WORK.
8. TO VIEW A LIST OF BIDDERS FOR THIS PROJECT, PLEASE GO TO: WWW.BIDDINGO.COM/LCBO

Rev.	Date	Description	Initial
8	AUG 25, 2020	ISSUED FOR TENDER	MP
7	AUG 14, 2020	RE-ISSUED FOR PERMIT	MP
6	DEC 2, 2019	ISSUED FOR PERMIT	MP
5	NOV 20, 2019	ISSUED FOR REVIEW	MP
4	OCT 3, 2019	ISSUED FOR 100% REVIEW	MP
3	JUL 17, 2019	ISSUED FOR 90% REVIEW	MP
2	JUN 26, 2019	ISSUED FOR 60% REVIEW	MP
1	MAY 7, 2019	ISSUED FOR 30% REVIEW	MP

RE-ISSUED FOR PERMIT
Issued for:
AUG 14, 2020
Issue Date

17M-02500-D1	NTS	MP	MP
Project No.	Scale	Drawn by	Checked by

LCBO Store No. 686
OTTAWA, ON
Interior Fit-up

Project

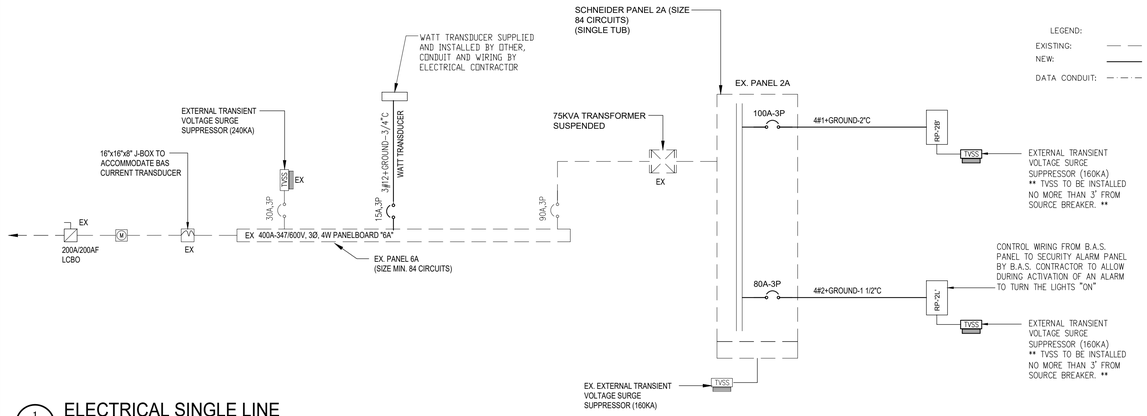
ELECTRICAL LEGEND OF SYMBOLS AND LUMINARIES SCHEDULES

Drawing Title

E-1

Sheet No.

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NOTES:

1. NEW PANEL LP-2L, 225A, 120/208V, 3ø, 4W SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. PANEL '2L' SHALL BE 'SQUARE D POWER LINK' COMPLETE WITH BUILT-IN G43500 LIGHTING CONTROLLER. ELECTRICAL CONTRACTOR TO PROVIDE POWERLINK ECB SERIES BREAKER. BREAKER QUANTITY TO SUIT PANEL SCHEDULES. SEE SRRS FOR PANEL SPECIFICATION.
2. RESERVED
3. 600V NEUTRAL SHALL BE BONDED AND GROUNDED AS PER ONTARIO ELECTRICAL SAFETY CODE.
4. RESERVED
5. PROVIDE PRINTED PANEL DIRECTORY WITH CIRCUIT NUMBER, TYPE AND LOCATION OF ALL LOADS. LABEL ALL SPARE BREAKERS WITH PENCIL FOR FUTURE UPDATE. PROVIDE LABEL INSIDE PANEL COVER STATING YEAR OF INSTALLATION, PANEL SOURCE LOCATION, OVER CURRENT PROTECTION AND FEEDER SIZE. (TYPICAL FOR ALL PANELS).
6. ALL BREAKERS THAT ARE NOT CONNECTED TO ANY LOAD CIRCUIT SHALL BE TURNED OFF.
7. PROVIDE FILED MARK LABEL FOR POTENTIAL ELECTRIC SHOCK AND ARC FLASH HAZARDS FOR ALL NEW AND EXISTING PANELS. ALL MARKINGS SHALL BE CLEARLY VISIBLE AS PER ONTARIO ELECTRICAL SAFETY CODE, SECTION 2-306. ALL COST SHALL BE CARRIED BY THIS CONTRACTOR.
8. PROVIDE EXTERNAL TVSS SYSTEM FOR LIGHTING PANEL 2L AND PONY PANEL 2B AS PER ELECTRICAL SPECIFICATION. TVSS TO BE INSTALLED NO MORE THAN 3' FROM SOURCE BREAKER OF THE ASSOCIATED PANEL. SEE DETAIL 4/E-8.
9. RESERVED
10. RESERVED

1 E-2 **ELECTRICAL SINGLE LINE**
SCALE: NTS

ALL CONDUITS, JUCTN BOXES AND DATA CABLES SHALL BE WHITE IN COLOUR FOR RETAIL AREA AND BLACK IN VINTAGE AREA

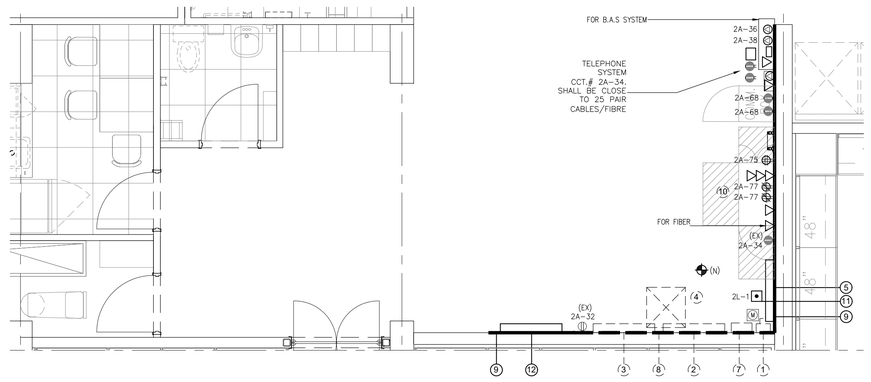
25 PAIRS OF TELEPHONE CABLE AND INTERNET HIGH SPEED CABLING BY LANDLORD. VERIFY ON SITE FOR AVAILABILITY AND INFORM IF ANY DISCREPANCY

REVISE THE PANEL SCHEDULES AND BREAKER POSITION REGARDLESS OF EXISTING BREAKERS LOCATION IN EXISTING PANEL.

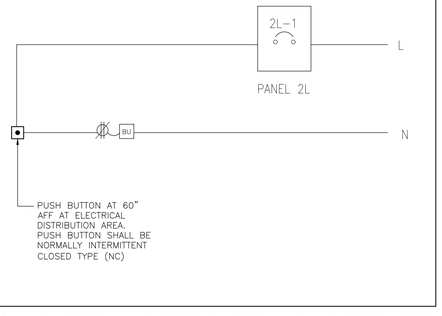
COORDINATE OUTLET LOCATIONS WITH L.C.B.O. CONSTRUCTION MGR

LEGEND WAREHOUSE

1. REFER TO DWG E4 FOR LOCATION OF MAIN DISCONNECT AND METER
2. EXISTING 400A, 347/600V, 3ø,4W PANEL "6A"
3. EXISTING PANEL 2A (400A @ 120/208V, 3ø, 4W, 84 CCTS)
4. EXISTING 75kVA TRANSFORMER (SUSPENDED)
5. NEW PANEL 2L (225A @ 120/208V, 3ø, 4W, 42 CCT.)
6. NEW PHASE LOSS AND DEMAND METER CABINET (12"H x 10"W x 4"D) BY BAS CONTRACTOR.
7. EXISTING 16X16X8" JUNCTION BOX BY LANNDLORD
8. EXISTING BACKBOARD PLYWOOD
9. NEW FIRE RATED PLYWOOD BACKBOARD TO MATCH EXISTING BY ELECTRICAL CONTRACTOR
10. PROVIDE 2 DUPLEX IG RECEPTACLES AND DATA OUTLETS IN NVR RACK TERMINATED WITH 3m (10') SLACK FOR CONNECTION TO DVR AND UPS. TERMINATE VOICE CABLE AT TELEPHONE DEMARCATION POINT IN CA38A JACK. RECEPTACLE AND DATA OUTLETS SHALL BE INSTALLED ON PLYWOOD.
11. PROVIDE A NORMALLY CLOSED PUSH BUTTON AT ELECTRICAL DISTRIBUTION AREA (60"AFF) FOR THE EMERGENCY BATTERY UNITS TESTING AND INTERCONNECT THE PUSH BUTTON WITH THE BATTERY UNIT SUCH THAT UPON ACTIVATION OF PUSH BUTTON, THE BATTERY UNIT SHALL BE TEMPORARILY SENSED AS POWER FAILURE THROUGH BUILT-IN 15 MNTS. TIME DELAY SWITCH. ALL EMERGENCY REMOTE HEADS SHALL BE TURNED ON TEMPORARILY UPON ACTIVATION OF PUSH BUTTON. SEE DETAIL FOR 3/E-2 FOR THE CONNECTION. PROVIDE A LAMACOID LABEL AS "EMERGENCY LIGHT TEST BUTTON".
12. NEW PANEL 2B – SCHNEIDER NQ442L2C (225A @ 120/208V, 3ø, 4W, 42 CCT.)



2 E-2 **ELECTRICAL PANEL LAYOUT**
SCALE: 1/4"=1'-0".



3 E-2 **BATTERY UNIT TEST BUTTON CONNECTION DETAIL**
SCALE: N.T.S.

LOAD DESCRIPTION	LOAD	BRKR	CCT No	PH	CCT No	BRKR	LOAD	LOAD DESCRIPTION
EX. HP-1	1200	15A / 2P	1	A	2	30 / 3P		TVSS
			3	B	4			
EX. HP-2	6917	35A / 3P	5	C	6			
			7	A	8	15A/1P	300	SECURITY CAM
			9	B	10	15A/1P	250	EX. BOILER#1
EX. HP-3	5245	25A / 3P	11	C	12	15A/1P	250	EX. BOILER#2
			13	A	14	15A/1P	250	VAV-1,2,4
			15	B	16	15A/1P	250	VAV-5,6
EX. HP-4	6917	35A / 3P	17	C	18	15A/1P	100	HE-1 CONTROLLER
			19	A	20	15A/1P	100	HE-2 CONTROLLER
			21	B	22	15A/1P	300	BEER & OPEN SIGN
EX. HP-5	6917	35A / 3P	23	C	24	15A/1P	200	EX. EF-1
			25	A	26	15A/1P	100	EX. EF-2
			27	B	28	15A/1P	250	EX. CONDENSATE PUMP
EX. GLYCOL FEED RECEPTACLE	500	15A/1P	29	C	30	15A/1P	250	TRAP SEAL PRIMER
EX. TENANT RECEPTACLE	300	15A/1P	31	A	32	15A/1P	100	EX. SERVICE RECEPTACLE
EX. GENERAL RECEPTACLE	300	15A/1P	33	B	34	15A/1P	100	IG TELECOM RECEPTACLE
EX. BAILER	1000	20A/1P	35	C	36	15A/1P	100	EMS FOR BAS SYSTEM
EX. GENERAL RECEPTACLE	300	15A/1P	37	A	38	15A/1P	100	EMS FOR BAS SYSTEM
EX. HP-6	5245	25A / 3P	39	B	40	20A/1P	1000	GFI IN STAFF ROOM
			41	C	42	20A/1P	1000	GFI IN STAFF ROOM
			43	A	44	15A/1P	800	FREEZER IN STAFF ROOM
SECURITY GATE	200	15A/1P	45	B	46	15A/1P	500	RECEPTACLES @ STAFF ROOM
POS RECEPTACLE REGULAR	450	15A/1P	47	C	48	20A/1P	1200	MW IN STAFF ROOM
POS RECEPTACLE IG	450	15A/1P	49	A	50	15A/1P	1000	BASEBOARD BBH-1
POS RECEPTACLE REGULAR	450	15/1P	51	B	52	15A/1P		SPARE
POS RECEPTACLE IG	450	15A/1P	53	C	54	15A/1P		SPARE
WINDOWS SHADES	300	15A/1P	55	A	56	15A/1P		SPARE
BUZZER/CHIME	200	15A/1P	57	B	58	15A/1P		SPARE
EX. AUTOMATIC DOOR	500	15A/1P	59	C	60	15A/1P	200	SCANNER GUN CHARGER
EX. AUTOMATIC DOOR	500	15A/1P	61	A	62	15A/1P	500	SECURITY MONITOR IG RECEPTACLE
EX. AUTOMATIC DOOR	500	15A/1P	63	B	64	15A/1P	450	COMPUTER IG RECEPTACLE
SPARE		15A/1P	65	C	66	15A/1P	450	COMPUTER RECEPTACLE REGULAR
SPARE		15A/1P	67	A	68	15A/1P	500	COMM. CABINET IG RECEP.
SPARE		15A/1P	69	B	70	20A/1P	800	PRINTER IG RECEPTACLE
SPARE		15A/1P	71	C	72	15A/1P	500	SEC. & AUDIO CABINET RECEPTACLE
SPARE		15A/1P	73	A	74	20A / 3P		VACU-LIFT
NVR RECEPTACLES	300	15A/1P	75	B	76			
UPS @ NVR RACK	1000	20A/1P	77	C	78			
PANEL 2L	10986	80A / 3P	79	A	80	100A / 3P		PANEL 2B
			81	B	82			
			83	C	84			

PANEL: 2A — NOTES: •• GFI BREAKER

VOLTS:	120/208	TYPE:	FLUSH ☐
PHASE:	3	CONN.LOAD(KW): 39.643 KW+	SURFACE ☒
WIRE:	4	DEMAND LOAD(AMPS): 38.14A	SPRINKLERPROOF ☒
MAINS:	400A	LOCATION: WAREHOUSE	FEED THRU' LUGS ☒
		FED FROM: 75KVA X'MER	MAIN BRKR ☐

LOAD DESCRIPTION	LOAD	BRKR	CCT No	PH	CCT No	BRKR	LOAD	LOAD DESCRIPTION
EX. PUMP (P-1A)	6340	15A / 3P	1	A	2	15A / 3P	6340	EX. PUMP (P-1B)
			3	B	4			
			5	C	6			
EX. PUMP (P-2A)	1350	15A / 3P	7	A	8	15A / 3P	1350	EX. PUMP (P-2B)
			9	B	10			
			11	C	12			
EX. PUMP (P-3A)	1350	15A / 3P	13	A	14	15A / 3P	1350	EX. PUMP (P-3B)
			15	B	16			
			17	C	18			
MAU-1 HUMIDIFIER	18706	25A / 3P	19	A	20	30A / 3P	20000	EX. MAKE-UP AIR (MUA)
			21	B	22			
			23	C	24			
75KVA TRANSFORMER	---	90A / 3P	25	A	26	15A / 3P	1000	EX. DRY COOLER (DC-1)
			27	B	28			
			29	C	30			
FORCE FLOW FFH-1	8000	20A / 3P	31	A	32	30A / 3P		TVSS
			33	B	34			
			35	C	36			
			37	A	38	20A / 3P	8000	FORCE FLOW FFH-2
			39	B	40			
			41	C	42			
			43	A	44			
			45	B	46			
			47	C	48			
			49	A	50			
			51	B	52			
			53	C	54			
			55	A	56			
			57	B	58			
			59	C	60			
			61	A	62			
			63	B	64			
			65	C	66			
			67	A	68			
			69	B	70			
			71	C	72			
			73	A	74			
			75	B	76			
			77	C	78			
			79	A	80			
			81	B	82			
			83	C	84			

PANEL: 6A — NOTES: • LOCK ON

VOLTS:	347/600	TYPE:	FLUSH ☐
PHASE:	3	CONN.LOAD:46.700KW	SURFACE ☒
WIRE:	4	DEMAND LOAD: 44.937A	SPRINKLERPROOF ☒
MAINS:	400A	LOCATION: WAREHOUSE	FEED THRU' LUGS ☐
		FED FROM: INCOMING HYDRO	MAIN BRKR ☐

DEMAND LOAD CALCULATION

DESCRIPTION OF LOAD	CONNECTED LOAD	DEMAND FACTOR	WINTER DEMAND LOAD	SUMMER DEMAND LOAD
LIGHTING	13.0KW	1.0	13.0KW	13.0KW
RECEPTACLES	27.8KW	0.75	22.2KW	22.2KW
MISC. POWER	19.34KW	0.75	14.5KW	14.0KW
HVAC LOAD	65.8KW	0.75	49.3KW	49.3KW
REFRIGERATION	25.0KW	1.0	25.0KW	25.0KW
TOTALS	150.94		124KW	124KW

LOAD DESCRIPTION	LOAD	BRKR	CCT No	PH	CCT No	BRKR	LOAD	LOAD DESCRIPTION
FAN + ANTISWEAT FOR FR-1	200	15A/1P	1	A	2	15A/1P	662	CONDENSING UNIT CU-1
FAN + ANTISWEAT FOR FR-2	750	15A/1P	3	B	4	15A / 3P	1500	CONDENSING UNIT CU-2
FAN + ANTISWEAT FOR FR-3	350	15A/1P	5	C	6			
FR-1 CONDENSATE PUMPS	228	15A/1P	7	A	8	15A/1P	600	WINDOWS SHUTTER-S1, S2
FR-2 CONDENSATE PUMPS	350	15A/1P	9	B	10	15A/1P	300	WINDOWS SHUTTER-S3
FR-3 CONDENSATE PUMPS	350	15A/1P	11	C	12	15A/1P	150	EF-3
FR-1 CONDENSATE PAN HEAT	1000	15A/1P	13	A	14	15A/1P	150	EF-4
			15	B	16	15A/1P	150	EF-5
			17	C	18	20A/1P	500	GFI IN JANITOR & WASHROOMS
			19	A	20	20A/1P	500	OZONE PURIFIER IN JANITOR RM
			21	B	22			
			23	C	24			
			25	A	26			
			27	B	28			
			29	C	30			
			31	A	32			
			33	B	34			
			35	C	36			
			37	A	38	30A / 3P		TVSS
			39	B	40			
			41	C	42			

PANEL: 2B — NOTES: •• PAD LOCK ON BREAKER; • GFI BREAKER

VOLTS:	120/208	TYPE:	FLUSH ☐
PHASE:	3	CONN.LOAD: -- KW	SURFACE ☒
WIRE:	4	DEMAND LOAD(AMPS): -- AMPS	SPRINKLERPROOF ☒
MAINS:	225A	LOCATION: ELEC ROOM	FEED THRU' LUGS ☒
		FED FROM: PANEL 2A	MAIN BRKR ☐

LOAD DESCRIPTION	LOAD	BRKR	CCT No	PH	CCT No	BRKR	LOAD	LOAD DESCRIPTION
BATTERY UNIT 'BU' •••	100	15A/1P	1	A	2	20A/1P	110	ZONE 6-VESTIBULE LIGHT
ZONE 2-CASH DESK	45	20A/1P	3	B	4	20A/1P		SPARE
ZONE 1- WAREHOUSE LIGHT	600	20A/1P	5	C	6	20A/1P	171	ZONE 1-RETAIL EMPLOYEE LIGHT
ZONE 2- WAREHOUSE LIGHT	700	20A/1P	7	A	8	20A/1P	162	ZONE 2-RETAIL CUSTOMER LIGHT
NIGHT LIGHT	660	15A/1P	9	B	10	20A/1P		SPARE
SPARE		15A/1P	11	C	12	20A/1P		SPARE
SPARE		15A/1P	13	A	14	20A/1P		SPARE
SPARE		15A/1P	15	B	16	20A/1P		SPARE
ZONE 1- EMPLOYEE TRACK LIGHT	546	20A/1P	17	C	18	15A/1P	1000	ZONE 7-LCBO CHANNEL LETTERS
ZONE 1- EMPLOYEE TRACK LIGHT	622	20A/1P	19	A	20	15A/1P	1000	ZONE 7-LCBO CHANNEL LETTERS
ZONE 4-RETAIL TRACK LIGHT	552	20A/1P	21	B	22	15A/1P	500	ZONE 7-LCBO BOX SIGN
ZONE 4-RETAIL TRACK LIGHT	551	20A/1P	23	C	24	15A/1P	750	ZONE 7-LCBO BOX SIGN
ZONE 3-RETAIL VALENCE LIGHT	987	20A/1P	25	A	26	15A/1P	250	ZONE 7-LCBO BLADE SIGN
OFF+STAFF+WASHROOMS+JANITOR	529	20A/1P	27	B	28	15A/1P		
SPARE		20A/1P	29	C	30	15A/1P		
ZONE 4- GIFT/SPIRIT FIXTURE LIGHT	112	15A/1P	31	A	32	15A/1P		SPARE
ZONE 3-COOLER VALENCE LIGHT	714	20A/1P	33	B	34	15A/1P		SPARE
ZONE 4-COOLER DAIRY DOOR LIGHT	384	20A/1P	35	C	36	15A/1P		SPARE
ZONE 5-DAY LIGHT HARVESTING	90	20A/1P	37	A	38	30 / 3P		TVSS
SPARE		20A/1P	39	B	40			
SPARE		20A/1P	41	C	42			

PANEL: 2L — NOTES: ••• LOCK OUT BREAKER (NUT AND BOLT); •• GFI BREAKER

VOLTS:	120/208	TYPE:	FLUSH ☐
PHASE:	3	CONN.LOAD: 10.99 KW	SURFACE ☒
WIRE:	4	DEMAND LOAD: 10.57A	SPRINKLERPROOF ☒
MAINS:	225A	LOCATION: WAREHOUSE	FEED THRU' LUGS ☒
		FED FROM: PANEL 2A	MAIN BRKR ☐

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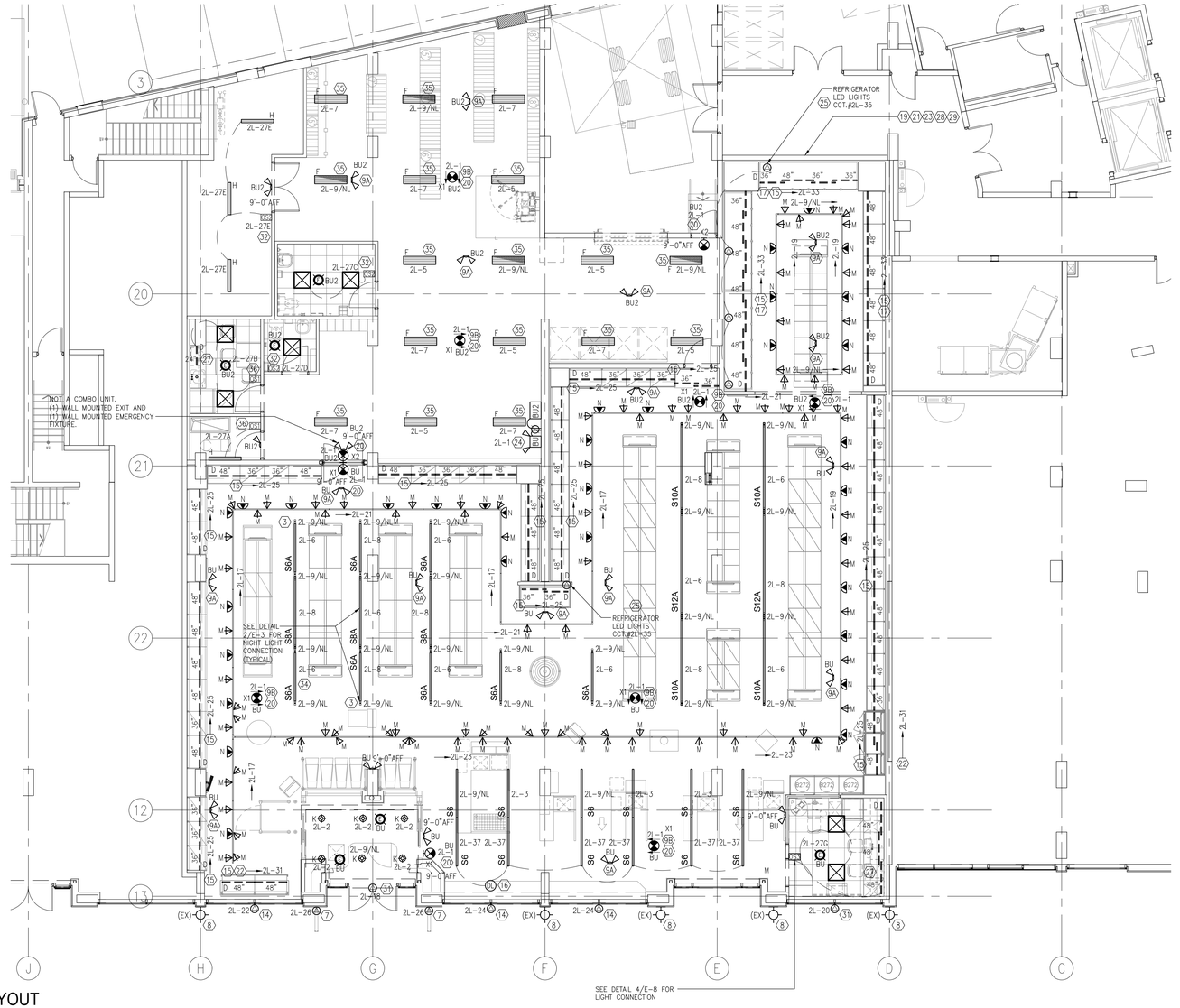
17M-02500-D1	NTS	MP	MP
Project No.	Scale	Drawn by	Checked by

LCBO Store No. 686
OTTAWA, ON
Interior Fit-up
Project

SINGLE LINE DIAGRAM AND PANEL SCHEDULES
Drawing Title

E-2
Sheet No.

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1 E-3 ELECTRICAL LIGHTING LAYOUT

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

EMERGENCY LIGHTING EQUIPMENT SPECIFICATIONS SUPPLIED BY ENS, INSTALLED BY DIV.26

BATTERY UNIT

BU — 24 VOLT, 30 MINUTES OPERATION, OPERATION ON 120 VOLT SINGLE PHASE, PLUG-IN TYPE, LIGHT ACTIVATED TEST SWITCH, FULLY ADJUSTABLE LIGHTING HEADS C/W 6 WATT LED, 591 LUMENS, MR16, SEALED LEAD BATTERY, (10 YEARS), SOLID STATE CHARGER, TEMPERATURE COMPENSATION, SEALED TRANSFER SWITCH, LOW VOLTAGE DISCONNECT, BROWN OUT PROTECTION, BUILT-IN TIME DELAY, BATTERY LOCKOUT CIRCUIT, DUAL DIAGNOSTIC INDICATOR LIGHT, WHITE POLYESTER PAINT.
CAT.# RG24S-720-2-LD14-TD-TMBD-LTS

REMOTE HEADS

NEW 24 VOLT, 6 WATT LED, 591 LUMENS ROUND MR16, FRAME-IN KIT C/W INTEGRAL CABLE CLAMPS AND MOUNTING BARS. LUMACELL CAT.# RSTH-19-WH-MR16-LD14

24 VOLT, 6 WATT LED, 591 LUMENS, SURFACE ADJUSTABLE, DOUBLE HEAD LUMACELL CAT.# M-QM-2-LD14

24 VOLT, 6 WATT LED, 591 LUMENS SURFACE ADJUSTABLE, SINGLE HEAD LUMACELL CAT.# M-QM-LD14

EXIT LIGHTS

FINISH, LED LIGHT SOURCES, 120 VOLT AC AND 24 VOLT DC OUTPUT.

X1 -LUMACELL LAE SERIES, CAT.# LAE-1/L/R/2/A-OW-ACD (120V/24VDC)

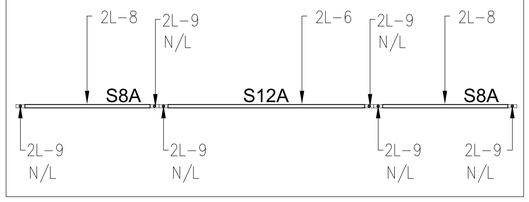
X2 -LUMACELL LA SERIES, CAT.# LA-1/2-W-U (120V/24VDC)

EMERGENCY BATTERY UNIT SCHEDULE

UNIT No.	BATTERY VOLTAGE	MAXIMUM CAPACITY	LOADING	CIRCUIT No.	SERVING AREA
BU	24 VOLT	720W	187W (240W MAX FOR 2H)	2L-1	RETAIL
BU2	24 VOLT	720W	170W (240W MAX FOR 2H)	2L-1	RETAIL & WAREHOUSE

IMPORTANT NOTE:
COORDINATE WITH HVAC, PLUMBING AND FIRE PROTECTION DRAWINGS AND RESPECTIVE CONTRACTORS ON-SITE. REPORT ALL DISCREPENCIES AND INTERFERENCES TO THE CONSULTANT AND LCBO COORDINATOR PRIOR TO LIGHTING INSTALLATION.

THIS FIXTURES ARE NOT CONTINUOUS STRIPS, THE ELECTRICAL CONTRACTOR IS TO FASTEN/CONNECT FIXTURES TOGETHER ON SITE. EACH FIXTURE WILL HAVE ITS OWN POWER FEEDS



2 E-3 TYPICAL RETAIL LIGHTING CIRCUITING LAYOUT

SCALE: N.T.S.

ELECTRICAL LIGHTING NOTES:

1. EXACT LOCATIONS OF ALL LIGHT FIXTURES, SWITCHES ETC. SHALL BE CO-ORDINATED WITH OTHER TRADES AND ON SITE PRIOR TO INSTALLATION AND/OR ROUGHING-IN.
2. FOR TYPE OF SWITCHES FACE PLATES AND FINISH COLOUR, COORDINATE WITH SRRS AND ARCHITECTURAL DRAWING. TYPICAL FOR ALL LCBO SPACE.
3. WHERE A NIGHT LIGHT CIRCUIT IS SHOWN FOR A LINEAR 8'-0" OR LONGER RETAIL FIXTURE, LIGHT FIXTURE MUST HAVE A SEPARATE INTERNAL JUNCTION BOX FOR THE NIGHT LIGHT CIRCUIT. CONTRACTOR MUST COORDINATE THIS WITH THE MANUFACTURER FOR THE ELECTRICAL ADDITIONAL JUNCTION BOX PRIOR TO ORDER. OTHERWISE CONTRACTOR HAS TO FIELD WIRING ON SITE FOR EACH NIGHT LIGHT FIXTURE AT CONTRACTOR'S OWN COST. (TYPICAL).
4. NIGHT LIGHT FIXTURE LOCATIONS ARE SHOWN AT DESIRED POINTS. CONTRACTOR TO CONNECT TO THE DESIGNATED CIRCUIT AND MAKE IT UNSWITCHED AS REQUIRED.
5. PROVIDE NEW SUPPORT CHAIN FOR ALL CEILING MOUNTED LIGHT FIXTURES TO COMPLY THE ESA CODE. SUPPORT ALL LUMINARIES DIRECTLY TO CEILING JOIST/SLAB STRUCTURE, NOT TO CEILING HANGERS, DUCTWORK, PIPING, CABLE TRAYS, ETC. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR SUSPENSION DETAIL.
6. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL THREADED ROD AND UNISTRUTS FOR SUSPENDING THE RETAIL AREA TRACK LIGHT FIXTURES. TREADED RODS SHALL BE SPACED OUT BETWEEN THE TRACK SUCH THAT TRACK IS FREE FROM ANY DEFLECTION DUE TO SUSPENDED WEIGHT OF THE TRACK HEAD AND TRACK FIXTURES (TYPICAL). UNISTRUTS SHALL BE INSTALLED ON TOP OF ROOF JOIST LOCATED BETWEEN THE ROOF DECK FLUTES NOT ON THE BOTTOM CORD. SEE DETAIL ON DRAWING E-10.
7. RESERVED
8. EXISTING WALL SCONCE CONNECTED TO LANDLORD SUPPLY AND CONTROLS
9A. WHERE REFERENCE IS MADE TO THIS NOTE ON PLAN EMERGENCY REMOTE HEADS SHALL BE SUSPENDED BY STEM ROD TO SUIT THE HIGH CEILING AREA. PROVIDE REQUIRED HARDWIRES, CONDUIT AND WIRING TO SUIT. MOUNTING HEIGHT FOR EMERGENCY REMOTE HEAD SHALL BE SAME AS SUSPENDED LIGHT FIXTURE. COORDINATE ON SITE FOR FINAL HEIGHT FROM FINISHED FLOOR. SEE DETAIL ON DRAWING 5/E-9.
9B. WHERE REFERENCE IS MADE TO THIS NOTE ON PLAN, EXIT LIGHT SHALL BE SUSPENDED BY STEM ROD TO SUIT THE HIGH CEILING AREA. PROVIDE REQUIRED HARDWIRES, CONDUIT AND WIRING TO SUIT. MOUNTING HEIGHT FOR EXIT SIGN SHALL BE LOWER THAN THE SUSPENDED LIGHT FIXTURE. COORDINATE ON SITE FOR FINAL HEIGHT FROM FINISHED FLOOR. SEE DETAIL ON DRAWING 7/E-8.
10. ALL SUSPENDED FLUORESCENT LIGHT FIXTURES IN WAREHOUSE AREA TO BE MOUNTED AT HIGH LEVEL EVEN WITH UNDERSIDE OF "OWSJ" AND BETWEEN THE BEAM JOISTS UNLESS OTHERWISE NOTED. COORDINATE ALL LIGHTING FIXTURE MOUNTING HEIGHTS TO BE BELOW OTHER TRADE WORKS TO AVOID SHADOWING AND LOSS OF LIGHT (TYPICAL).
11. TRACK LIGHT FIXTURES ARE SHOWN AS OVERALL LENGTH OF TRACK. ELECTRICAL CONTRACTOR TO ENSURE THAT ALL ACTUAL TRACK LENGTH FIT THE INTENDED DESIGN LAYOUT. ELECTRICAL CONTRAACTOR SHALL FIELD ADJUST TRACK TO SUIT ACTUAL LENGTH.
12. FLUORESCENT LIGHT FIXTURES AT PERIMETER BULKHEADS TO BE STAGGERED TO AVOID DARK SPOTS. GC TO PROVIDE QUANTITY OF LIGHTS TO SUIT LENGTH OF BULKHEADS.
13. WHERE REFERENCE IS MADE TO THIS NOT ON PLAN, CONTRACTOR TO CONNECT THE MILL WORK BUILT-IN LIGHT FIXTURE FROM ADJACENT LIGHT CIRCUIT.
14. LOCATION OF EXISTING OCTAGON BOX PROVIDED BY LANDLORD FOR LCBO STORAGE SIGNAGE (BOX RECESSED WITHIN WALL, MOUNTED AT 14'-0"AFF UNDERSIDE OF ROOF DECK. COORDINATE WITH LCBO ARCHITECTURAL ELEVATIONS DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS. FIXTURE TO BE PROVIDED AND INSTALLED BY LCBO SIGNAGE VENDOR,. CONDUIT AND WIRING BY ELECTRICAL CONTRACTOR.
15. PROVDE CONNECTION TO PERIMETER STRIP LIGHTS ON BACK SIDE OF FASCIA OF BAND LIGHTS. PROVIDE CONDUIT AND WIRING FOR THE FASCIA BAND LIGHTS CONNECTION. ALL ELECTRICAL CONDUIT AND WIRING CONNECTION TO THE BALLAST FOR ALL PERIMETER LIGHT FIXTURES BY ELECTRICAL CONTRACTOR.
16. DAYLIGHT HARVESTING (INTERNAL LIGHT SENSOR), MOUNTED UNDERSIDE CEILING AT THIS LOCATION. SENSOR TO CONTROL FRONT LIGHTING CIRCUIT AND WIRED AFTER G4 POWER LINK LIGHTING CONTROLLER. B.A.S. AND G4 POWER LINK CONTROLLER TO CONTROL TURNS LIGHTS ON/OFF, DAYLIGHT SENSOR TO TURN FRONT LIGHTING OFF WHEN LIGHTING LEVEL IS ABOVE SET POINT. DAY LIGHTING HARVESTING SENSOR SHALL BE SUPPLIED AND INSTALLED BY B.A.S. CONTRACTOR.
17. ALL MILL WORK AND PERIMETER VALENCE LIGHT FIXTURES IN RETAIL, VINTAGE AND COLD ROOM AREA SHALL BE SUPPLIED BY ENS AND INSTALLED BY ELECTRICAL CONTRACTOR COMPLETE WITH CONDUIT AND WIRING. LIGHT FIXTURES LENGTH TO SUIT MILL WORK LENGTH.
18. EACH REFRIGERATED CASE REQUIRES 120V. CONNECTION UP HIGH AT THE FLUORESCENT LIGHT SWITCH AND FIXTURES SWITCH, FIXTURES & LAMPS SUPPLIED BY REFRIGERATOR CONTRACTOR. POWER SUPPLY TO SWITCH AND BALLAST BY ELECTRICAL CONTRACTOR. VERIFY THE LOCATION OF CONNECTION POINT PRIOR TO ROUGH-IN ON SITE.
19. PROGRAM AND COMMISSIONING LOW VOLTAGE B.A.S. SYSTEM THROUGH "G4 POWER LINK" CONTROLLER BUILT-IN WITH LIGHTING CONTROL PANEL SHALL BE PERFORMED BY LIGHTING AUTOMATION CONTROLS CONTRACTOR. ALL COST SHALL BE CARRIED BY GENERAL CONTRACTOR.
20. CONNECT NEW EXIT SIGNS WHERE SHOWN, 120V, SINGLE/ DOUBLE FACE COMPLETE WITH PICTOGRAM (RUNNING MAN ARROW) AS SHOWN ON DRAWING. NEW EXIT SIGNS SHOULD BE CONNECTED FROM BATTERY UNIT 24V DC AND 120V AC CIRCUIT. ACCEPTABLE: BEGHELLI, EMERG-LITE, READY-LITE. SEE EMERGENCY LIGHTING SCHEDULE BELOW FOR SPECIFICATION.
21. PROVIDE IN CONTRACT PRICE FOR TOTAL OF TWO (2) ADDITIONAL EMERGENCY EXIT LIGHT (LAE SERIES) AND TWO (2) EMERGENCY REMOTE LIGHT (1 RECESSED & 1 SURFACE MOUNTED) WITH 60'-0" OF CONDUIT AND WIRING FOR EACH DEVICE TO SUIT INSPECTOR'S ADDITIONAL REQUIREMENTS. PROVIDE CREDIT AT THE END OF PROJECT IF SPARE DEVICES ARE NOT INSTALLED/REQUIRED.
22. MILL WORK LIGHT FIXTURE FOR GIFT FIXTURE SHALL BE SUPPLIED BY ENS AND INSTALLED BY ELECTRICAL CONTRACTOR. LIGHT FIXTURE WIRED AS PER GIFT FIXTURE MILLWORK DETAIL SHALL BE CONNECTED TO EXISTING RECEPTACLE PROVIDED BY LANDLORD MOUNTED BELOW WINDOW SILL SHOWN ON DRAWING E-4. PROVIDE A PLUG FOR EACH GIFT FIXTURE IN ORDER TO CONNECT THE LIGHT FIXTURE AS PER MILL WORK DETAIL. VERIFY ON SITE FOR THE RECEPTACLES PRIOR TO CONNECTION OF THE LIGHT FIXTURE. (TYPICAL)
23. MOUNTING HEIGHT OF LIGHT SWITCHES SHALL BE 900-1100mm AFF AND SHALL BE COORDINATED WITH ARCHITECTURAL DRAWING.
24. CONNECT EMERGENCY LIGHTING FIXTURES AND NEW BATTERY UNITS TO 120V AND 24DC CIRCUITS AS SHOWN. CONNECT THE REMOTE EMERGENCY FIXTURES TO BATTERY UNIT WITH #10 AWG COPPER WIRE MINIMUM. PROVIDE LARGER GAUGE TO MAINTAIN THE 5% MAXIMUM VOLTAGE DROP AS PER ELECTRICAL SAFETY CODE AND AS RECOMMENDED BY THE MANUFACTURER. EACH BATTERY UNIT TO BE COMPLETE WITH A MINIMUM OF 4 CIRCUITS OR TERMINAL BLOCKS WITH SEPARATE FUSES. CONNECT REMOTE FIXTURES TO TERMINAL BLOCKS AS INDICATED BY THE CIRCUIT NUMBER PROVIDE A COMPLETE TESTING OF SYSTEM AND MEASUREMENT OF LIGHT LEVELS TO OBTAIN LOCAL INSPECTION APPROVALS AND PERMITS. A MANUFACTURER'S AUTHORIZED TECHNICIAN SHALL PREPARE AND PROVIDE A SIGNED TEST REPORT VERIFYING THAT THE SYSTEM IS PROPERLY WORKING AND THAT LIGHT LEVELS MEET LOCAL CODE REQUIREMENTS. INCLUDE REQUIRED TEST MEASUREMENTS IN REPORT, AND SUBMIT TO CONSULTANT. ALL COST SHALL BE INCLUDED IN THIS CONTRACT. ALL BATTERY UNIT AND SURFACE MOUNTED EMERGENCY REMOTE HEAD SHALL BE INSTALLED AT 9-0" AFF UNLESS OTHERWISE NOTED.
25. ALL CONNECTION TO LED LIGHTING (INTEGRAL TO THE DAIRY DOORS) COMPLETE WITH CONDUIT AND WIRING BY ELECTRICAL CONTRACTOR.
26. RESERVED
27. SUPPLY AND INSTALL VALENCE FLUORESCENT STRIP LIGHT IN OFFICE AND STAFF ROOM MILLWORK. REFER TO LCBO ARCHITECTURAL MILLWORK ELEVATION FOR EXACT LOCATION AND DIMENSIONS.
28. REFER TO ARCHITECTURAL DRAWINGS FOR QUANTITY AND LOCATION OF ALL LIGHTING FIXTURES. THE FIXTURE QUANTITY INDICATED ON THE FIXTURE SCHEDULE IS FOR INFORMATION ONLY, THE CONTRACTOR SHALL COMPARE THE LIGHTING LAYOUT WITH THE FIXTURE SCHEDULE AND REPORT ALL DISCREPANCIES TO THE ARCHITECT DURING TENDER. IF A CLARIFICATION REGARDING THE DISCREPANCIES HAS NOT BEEN ISSUED DURING THE TENDER PERIOD THE CONTRACTOR SHALL INCLUDE THE MAXIMUM CONDITION IN THE TENDER PRICE.
29. CONTRACTOR SHALL PROVIDE A MINIMUM OF 10% ADDITIONAL LAMP FOR EACH LAMP (EXCEPT LED) TYPE AS SPECIFIED TO LCBO AT THE END OF THE PROJECT. IF THE QUANTITY IS LESS THAN ONE LAMP, THEN ONE LAMP MUST BE SUPPLIED. TURN OVER ALL LAMPS TO THE STORE MANAGER AND OBTAIN SIGNATURE FOR GOODS RECEIVED. INCLUDE A LIST OF LAMP TYPES WITHIN THE MAINTENANCE MANUALS.
30. RESERVED
31. LOCATION OF NEW OCTAGON BOX (WEATHER PROOF) BY ELECTRICAL CONTRACTOR FOR LCBO SIGNAGE (BOX RECESSED WITHIN WALL) MOUNTED AT 18'-0"AFF COMPLETE WITH 3/4" EMPTY CONDUIT TO INSIDE THE BUILDING AND TERMINATED IN JUNCTION BOX IN VESTIBULE AREA/UNDERSIDE OF ROOF DECK. CONTRACTOR TO COORDINATE WITH LCBO ARCHITECTURAL ELEVATIONS DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS. LCBO CHANNEL LETTERS SHALL BE INSTALLED BY LCBO SIGNAGE VENDOR AND CONDUIT AND WIRING BY ELECTRICAL CONTRACTOR.
32. OCCUPANCY SENSOR OS2 DIP SWITCH SHALL BE SET SUCH THAT ASSOCIATED LIGHT FIXTURES SHALL BE AUTOMATIC 'ON' AND AUTOMATIC 'OFF'.
33. ALL ELECTRICAL CABLES SHALL BE CUT AND ADJUSTED FOR ALL SUSPENDED LIGHT FIXTURES SUCH THAT ELECTRICAL CABLE SHALL BE PARALLEL TO STEM ROD/AIRCRAFT CABLES AND NOT VISIBLE FROM RETAIL AREA.
34. ELECTRICAL CONTRACTOR MUST COORDINATE WITH THE MANUFACTURER DURING SHOP DRAWING PROCESS FOR THE LIGHTING CIRCUITS FOR EACH PIECES OF LINEAR RETAIL LIGHT FIXTURES. CONTRACTOR MUST MAINTAIN THE LIGHTING ZONE PROVIDING MULTIPLE CIRCUITS AS SHOWN ON LIGHTING LAYOUT. EACH LINEAR LED RETAIL FIXTURES SHALL HAVE TWO CIRCUITS (ONE FOR LINEAR LED FIXTURE AND ONE FOR LED SPOT LIGHT). FAILING TO COORDINATE WITH THE MANUFACTURER FOR THE REQUIRED LIGHTING CIRCUIT JUNCTION BOXES, IT WILL BE AN ELECTRICAL CONTRACTOR RESPONSIBILITY TO DO THE FIELD WIRING ON SITE TO MAINTAIN THE LIGHTING ZONES. (TYPICAL)
35. WAREHOUSE LIGHTING TO BE SUSPENDED ON CHAINS (TYPICAL FOR WAREHOUSE AREA). COORDINATE WITH ARCHITECTURAL DRAWING A-1.03 FOR MOUNTING HEIGHTS
36. OCCUPANCY SENSOR OS1 SHALL BE MANUAL 'ON' AND AUTOMATICALLY 'OFF' IN THE STAFF ROOM AND JANITOR ROOM AREA. PROVIDE A LAMACOID LABEL BELOW THE SENSORS SUCH " "PUSH TO TURN ON" FOR JANITOR ROOM.
38. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL AIR CRAFT CABLES AND UNISTRUTS FOR SUSPENDING THE RETAIL & WAREHOUSE AREA ALL LIGHT FIXTURES. NO LIGHT FIXTURES SHALL BE FASTENED AND SUSPENDED BY CABLES FROM ROOF DECK. PROVIDE ADDITIONAL UNISTRUT BETWEEN THE JOIST TO TIE THE AIRCRAFT CABLE FOR SUSPENDING THE LIGHT FIXTURES (TYPICAL). UNISTRUTS SHALL BE INSTALLED ON TOP OF ROOF JOIST LOCATED BETWEEN THE ROOF DECK FLUTS NOT ON THE BOTTOM CORD. SEE DETAIL ON DRAWING E-10.

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LCBO Store No. 686
OTTAWA, ON
Interior Fit-up

Project

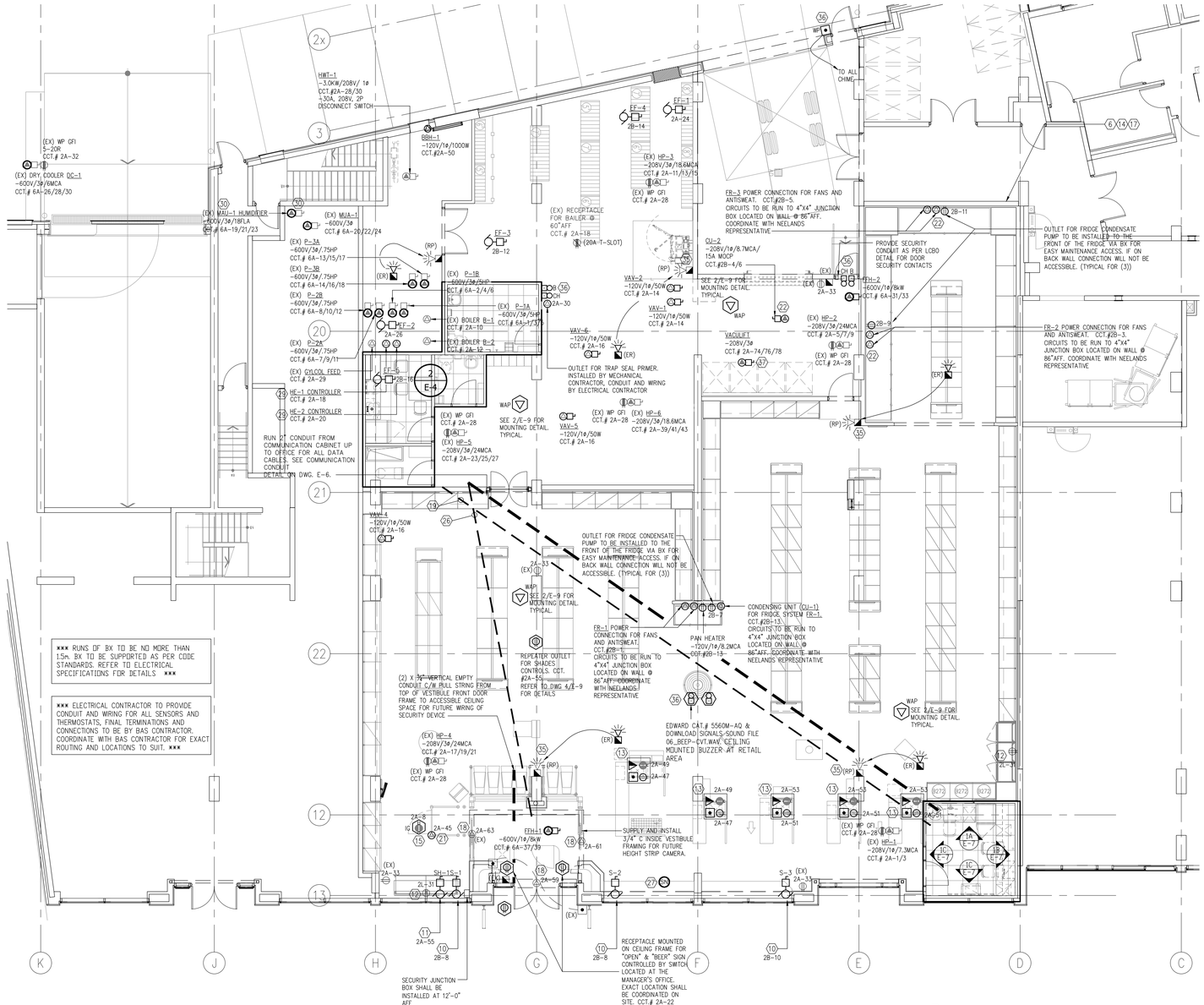
ELECTRICAL LIGHTING LAYOUT

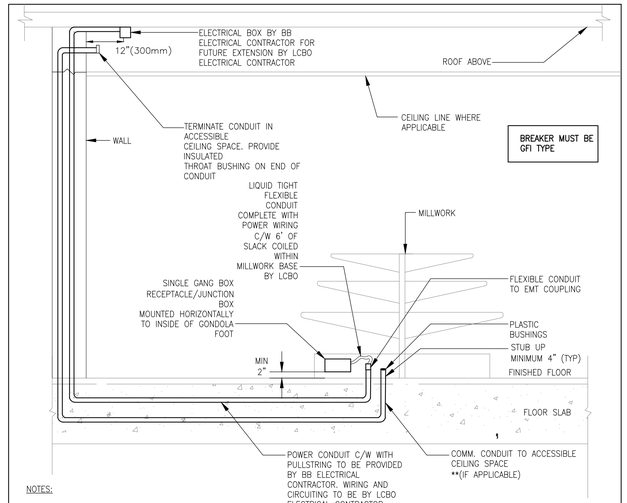
Drawing Title

E-3

Sheet No.

CAD file: Arch-E-A1D0-24.0pmp A1 (ISO)


HWT-1
-3.0KW/208V/ 1ø
CCT.#2A-28/30
-30A, 208V, 2P
DISCONNECT SWITCH
BBH-1
-120V/1ø/100W
CCT.#2A-50
(EX) WP GFI
5-20R
CCT.# 2A-32
(EX) DRY COOLER DC-1
-600V/3ø/6MCA
CCT.# 6A-26/28/30
(EX) MAU-1 HUMIDIER
-600V/3ø/18FLA
CCT.# 6A-19/21/23
(EX) MUA-1
-600V/3ø
CCT.# 6A-20/22/24
(EX) P-3A
-600V/3ø/.75HP
CCT.# 6A-13/15/17
(EX) P-3B
-600V/3ø/.75HP
CCT.# 6A-14/16/18
(EX) P-2B
-600V/3ø/.75HP
CCT.# 6A-8/10/12
(EX) P-2A
-600V/3ø/.75HP
CCT.# 6A-7/9/11
(EX) CYLCOL FEED
CCT.# 2A-29
HE-1 CONTROLLER
CCT.# 2A-18
HE-2 CONTROLLER
CCT.# 2A-20
RUN 2" CONDUIT FROM COMMUNICATION CABINET UP TO OFFICE FOR ALL DATA CABLES. SEE COMMUNICATION CONDUIT DETAIL ON DWG. E-6.
EF-5
2B-16
2
E-4
(EX) WP GFI
CCT.# 2A-28
(EX) HP-5
-208V/3ø/24MCA
CCT.# 2A-23/25/27
WAP
SEE 2/E-9 FOR MOUNTING DETAIL. TYPICAL.
(EX) RECEPTACLE FOR BAILER @ 60"AFF.
CCT.# 2A-18
(1-20A T-SLOT)
EF-4
2B-14
EF-1
2A-24
(EX) HP-3
-208V/3ø/18.6MCA
CCT.# 2A-11/13/15
(EX) WP GFI
CCT.# 2A-28
EF-3
2B-12
(EX) P-1B
-600V/3ø/5HP
CCT.# 6A-2/4/6
(EX) P-1A
-600V/3ø/5HP
CCT.# 6A-1/3/5
(EX) BOILER B-1
CCT.# 2A-10
(EX) BOILER B-2
CCT.# 2A-12
EF-2
2A-26
VAV-6
-120V/1ø/50W
CCT.# 2A-16
OUTLET FOR TRAP SEAL PRIMER. INSTALLED BY MECHANICAL CONTRACTOR, CONDUIT AND WIRING BY ELECTRICAL CONTRACTOR
VAV-5
-120V/1ø/50W
CCT.# 2A-16
(EX) WP GFI CCT.# 2A-28
(EX) HP-6
-208V/3ø/18.6MCA
CCT.# 2A-39/41/43
VAV-4
-120V/1ø/50W
CCT.# 2A-16
TO ALL CHIMS
FR-3 POWER CONNECTION FOR FANS AND ANTISWEAT. CCT.#2B-5. CIRCUITS TO BE RUN TO 4"x4" JUNCTION BOX LOCATED ON WALL @ 86"AFF. COORDINATE WITH NEELANDS REPRESENTATIVE
CU-2
-208V/1ø/8.7MCA/
-15A MOCP
CCT.#2B-4/6
SEE 2/E-9 FOR MOUNTING DETAIL. TYPICAL
VAV-2
-120V/1ø/50W
CCT.# 2A-14
VAV-1
-120V/1ø/50W
CCT.# 2A-14
VACULIFT
-208V/3ø
CCT.# 2A-74/76/78
PROVIDE SECURITY CONDUIT AS PER LCBO DETAIL FOR DOOR SECURITY CONTACTS
(EX) CH 8
2A-33
FFH-2
-600V/1ø/8kW
CCT.# 6A-31/33
(EX) HP-2
-208V/3ø/24MCA
CCT.# 2A-5/7/9
(EX) WP GFI
CCT.# 2A-28
OUTLET FOR FRIDGE CONDENSATE PUMP TO BE INSTALLED TO THE FRONT OF THE FRIDGE VIA BX FOR EASY MAINTENANCE ACCESS. IF ON BACK WALL CONNECTION WILL NOT BE ACCESSIBLE. (TYPICAL FOR (3))
FR-2 POWER CONNECTION FOR FANS AND ANTISWEAT. CCT.#2B-3. CIRCUITS TO BE RUN TO 4"x4" JUNCTION BOX LOCATED ON WALL @ 86"AFF. COORDINATE WITH NEELANDS REPRESENTATIVE
OUTLET FOR FRIDGE CONDENSATE PUMP TO BE INSTALLED TO THE FRONT OF THE FRIDGE VIA BX FOR EASY MAINTENANCE ACCESS. IF ON BACK WALL CONNECTION WILL NOT BE ACCESSIBLE. (TYPICAL FOR (3))
FR-1 POWER CONNECTION FOR FANS AND ANTISWEAT. CCT.#2B-11. CIRCUITS TO BE RUN TO 4"x4" JUNCTION BOX LOCATED ON WALL @ 86"AFF. COORDINATE WITH NEELANDS REPRESENTATIVE
PAN HEATER
-120V/1ø/8.2MCA
CCT.#2B-13
CONDENSING UNIT (CU-1) FOR FRIDGE SYSTEM FR-1. CCT.#2B-13. CIRCUITS TO BE RUN TO 4"x4" JUNCTION BOX LOCATED ON WALL @ 86"AFF. COORDINATE WITH NEELANDS REPRESENTATIVE
(2) X 3/4" VERTICAL EMPTY CONDUIT C/W PULL STRING FROM TOP OF VESTIBULE FRONT DOOR FRAME TO ACCESSIBLE CEILING SPACE FOR FUTURE WIRING OF SECURITY DEVICE
REPEATER OUTLET FOR SHADES CONTROLS CCT. #2A-55. REFER TO DWG 4/E-9 FOR DETAILS
EDWARD CAT.# 5560M-AQ & DOWNLOAD SIGNALS-SOUND FILE 06_BEEP-CVT.WAV CEILING MOUNTED BUZZER AT RETAIL AREA
(EX) HP-4
-208V/3ø/24MCA
CCT.# 2A-17/19/21
(EX) WP GFI
CCT.# 2A-28
SUPPLY AND INSTALL 3/4" C INSIDE VESTIBULE FRAMING FOR FUTURE HEIGHT STRIP CAMERA.
FFH-1
-600V/1ø/8kW
CCT.# 6A-37/39
(EX) HP-1
-208V/1ø/7.3MCA
CCT.# 2A-1/3
SECURITY JUNCTION BOX SHALL BE INSTALLED AT 12'-0" AFF
RECEPTACLE MOUNTED ON CEILING FRAME FOR "OPEN" & "BEER" SIGN CONTROLLED BY SWITCH LOCATED AT THE MANAGER'S OFFICE. EXACT LOCATION SHALL BE COORDINATED ON SITE. CCT.# 2A-22
S-2
S-3
(EX) 2A-53
2A-8
2A-45
2A-63
2A-61
2A-49
2A-47
2A-51
2A-55
2B-8
2B-10
2B-9
2B-11
2B-13
2B-15
2A-27
2A-29
2A-31
2A-33
2A-35
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2A-41
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2A-113
2A-115
2A-117
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2A-121
2A-123
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2A-127
2A-129
2A-131



NOTES:

BASEBUILDING ELECTRICAL CONTRACTOR SCOPE OF WORK

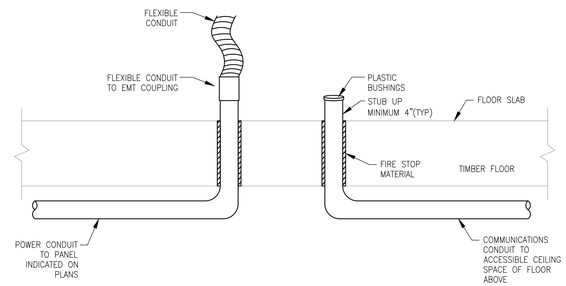
1. PROVIDE CORE DRILLING/TRECH/CHIPPING FOR BOTH POWER AND COMMUNICATIONS CABLING SYSTEM AS REQUIRED TO SUIT CONDUIT SIZES.
2. PROVIDE CONDUITS (MIN 3/4" TO BE SIZED ACCORDING TO CABLE QUANTITY AND BREAKER SIZE SERVICING MILLWORK FIXTURE. SEPARATE CONDUITS FOR COMMUNICATIONS AND POWER WIRING ACCORDINGLY) COMPLETE WITH PULL STRING FROM STUB UP TO ACCESSIBLE CEILING SPACE AS SHOWN. ELECTRICAL WIRING AND TERMINATIONS OF CIRCUITS TO BE BY LCBO ELECTRICAL CONTRACTOR. COMMUNICATIONS WIRING TO BE BY LCBO COMMUNICATIONS CONTRACTOR **(IF APPLICABLE)**. STUBBED CONDUITS TO BE CAPPED TO AVOID ACCUMULATION OF DUST AND DEBRIS DURING CONSTRUCTION PERIOD.
3. OBTAIN PERMISSION FROM LANDLORD AND BASE BUILDING STRUCTURAL ENGINEER PRIOR TO CHIPPING AND CHASING CONDUITS WITHIN SLAB.

LCBO ELECTRICAL CONTRACTOR SCOPE OF WORK

1. MILLWORK JUNCTION BOX INSTALLATION AND ELECTRICAL POWER CONNECTION FOR MILLWORK FIXTURES TO BE BY LCBO ELECTRICAL CONTRACTOR
2. MILLWORK COMMUNICATION CONNECTIONS TO BE BY LCBO COMMUNICATIONS CONTRACTOR. **(IF APPLICABLE)**

SYMBOL ON PLAN

1 / E-5 CONDUIT DETAIL FOR MILLWORK STUB UPS N.T.S.



SECTION

NOTES:

1. PROVIDE CORE DRILLING FOR BOTH POWER AND COMMUNICATIONS CABLING SYSTEM AS REQUIRED TO SUIT CONDUIT SIZES.
2. EMPTY CONDUIT FOR COMMUNICATIONS SHALL BE COMPLETE WITH PULLSTRING.
3. FLEXIBLE CONDUIT SHALL RUN TO MILWORK JUNCTION BOX. THIS CONTRACTOR SHALL MAKE FINAL CONNECTION TO MILLWORK JUNCTION BOX.
4. EXACT LOCATION OF STUB UPS SHALL BE COORDINATED WITH INTERIOR DESIGNER/ARCHITECT.
5. PROVIDE APPROPRIATE CAN/ULC APPROVED FIRE STOP MATERIAL TO MAINTAIN FIRE RATING BETWEEN FLOORS.

2 / E-5 CONDUIT DETAIL FOR MILLWORK STUB UPS N.T.S.

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www.wsp.ca

Context Plan

General Notes

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RE-ISSUED FOR PERMIT
Issued for:

AUG 14, 2020
Issue Date

17M-02500-D1	1/8"=1'-0	MP	MP
Project No.	Scale	Drawn by	Checked by

LCBO Store No. 686
OTTAWA, ON
Interior Fit-up

Project

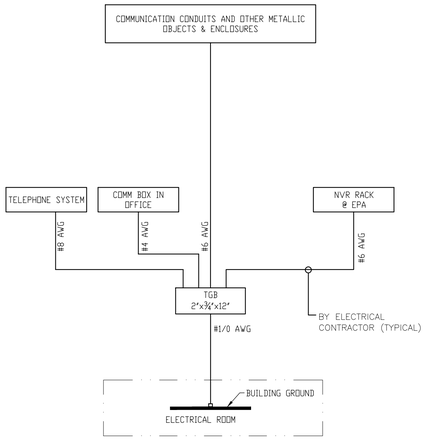
ELECTRICAL ROOF LAYOUT

Drawing Title

E-5

Sheet No.

AUTOCAD Release 24.0 (LMS Tech) - 1:1 (ANSI)

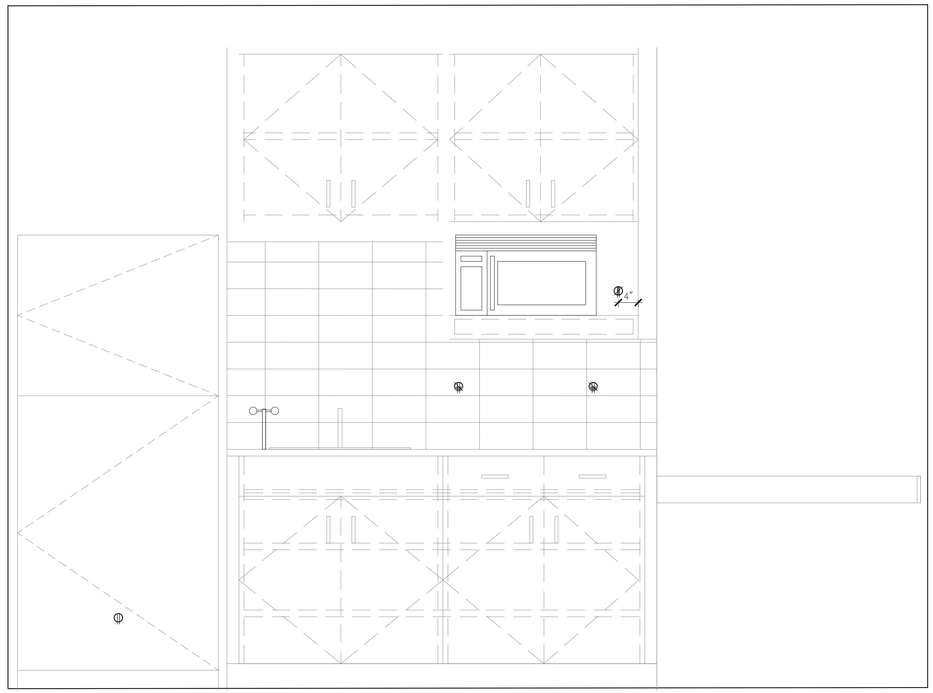


NOTES:

1. ALL GROUND WIRING SHALL BE GREEN INSULATED.
2. ALL BRANCH GROUNDING FOR COMMUNICATION EQUIPMENT SHALL BE PERFORMED BY ELECTRICAL CONTRACTOR.

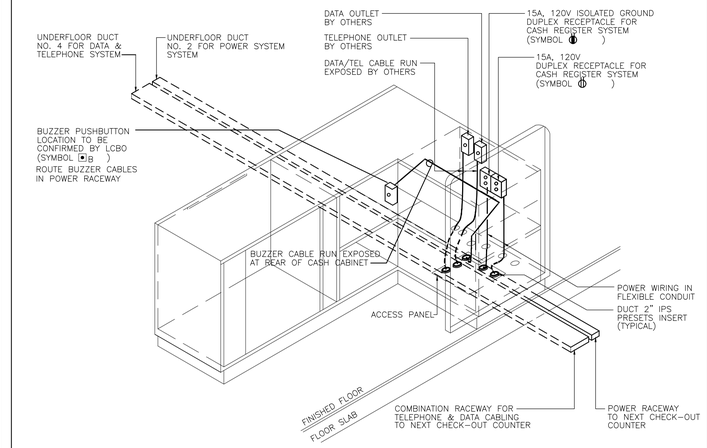
1 E-6 COMMUNINCATION EQUIPMENT TYPICAL GROUNDING SCHEME

SCALE: N.T.S.



3 E-6 STAFF ROOM COUNTER ELEVATION

SCALE: N.T.S.

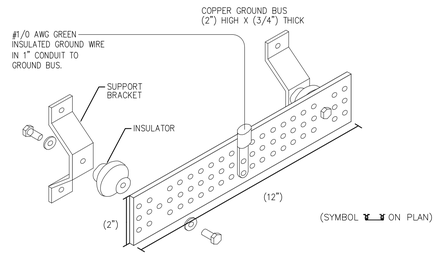


NOTES:

1. VERIFY EXACT LOCATION OF CHECK-OUT COUNTERS AND CUSTOMER SERVICE DESK'S ACCESS PANEL PRIOR TO SAW-CUT TRENCH FOR INSTALLATION OF WALKER UNDER FLOOR DUCTS SYSTEM. INSERTS AND SERVICE FITTINGS FOR POWER, DATA, TEL. AND BUZZER OUTLETS BE LOCATED WITHIN ACCESS PANEL LOCATION.
2. PUSHBUTTON AND RECEPTACLES TO BE INSTALLED AFTER THE COUNTERS HAVE BEEN POSITIONED IN PLACE COORDINATE WITH LCBO REPRESENTATIVE FOR EXACT LOCATION OF ALL ELECTRICAL COMPONENTS.
3. COORDINATE AND VERIFY WITH BASE BUILDING DRAWING FOR CONDUIT RUNS THAT WERE INSTALLED BY BASE-BUILDING CONTRACTOR.

5 E-6 CHECK-OUT COUNTER (TYPICAL)

SCALE: N.T.S.

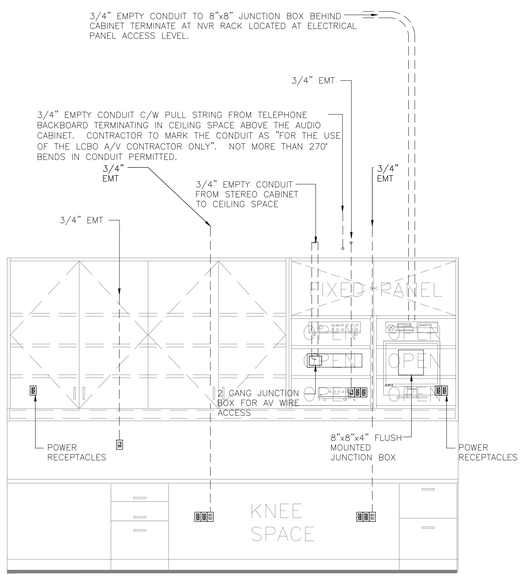


NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL GROUND BUS AT ELECTRICAL DISTRIBUTION AREA PLATFORM. INSTALL 2-HOLE COMPRESSION LUGS "BURNDY/HYLUG" TYPE YAL2T FOR GROUND CONDUCTORS C/W DURIUM BOLTS, NUTS AND WASHERS.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A GROUND CONNECTION BETWEEN THE MAIN BUILDING SERVICE GROUNDING ELECTRODE AND THE COMMUNICATION GROUNDING BUS BARS.
3. ELECTRICAL CONTRACTOR TO PROVIDE A GROUND CONNECTION FROM GROUND BUS BAR TO COMMUNICATION BOX AND NVR RACK AT WAREHOUSE AREA WITH A GREEN INSULATED WIRE C/W CONDUIT.
4. GROUND BUS BAR SHALL BE INSTALLED AT THE TOP OF THE BACKBOARD OR 4" BELOW THE CEILING NEAR THE RACK.
5. COVER TIPS, LUGS AND COPPER GROUND BAR WITH "PENETROX E" FROM "BURNDY" OR "KOPR-SHIELD" FROM "T&B". ALL GROUNDING TERMINATIONS SHALL BE DONE WITH U.L.C LISTED HYPRESS LUGS AND GROUNDING CLAMPS.

2 E-6 COMMUNICATION GROUND BUS BAR DETAIL

SCALE: N.T.S.

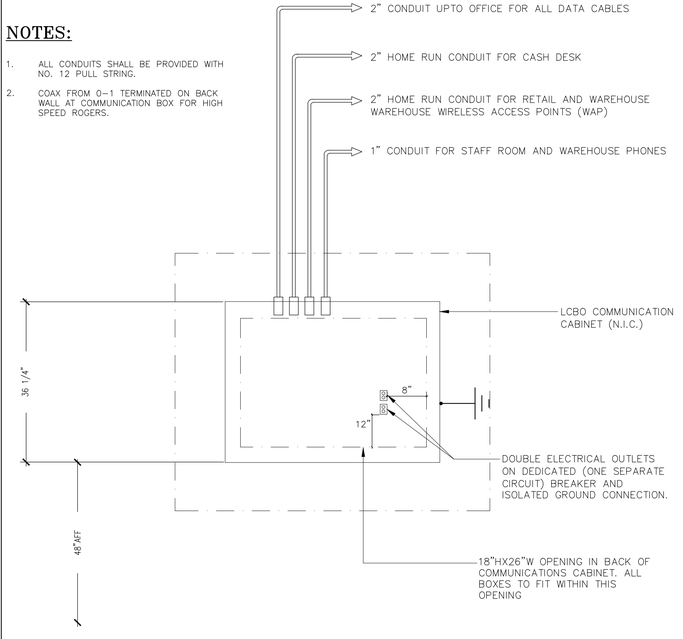


4 E-6 SECURITY AND AUDIO CABINET DETAIL

SCALE: N.T.S.

NOTES:

1. ALL CONDUITS SHALL BE PROVIDED WITH NO. 12 PULL STRING.
2. COAX FROM O-1 TERMINATED ON BACK WALL AT COMMUNICATION BOX FOR HIGH SPEED ROGERS.



6 E-6 COMMUNICATION CABINET CONDUIT DETAILS

SCALE: N.T.S.

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Context Plan

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17M-02500-D1	NTS	MP	MP
Project No.	Scale	Drawn by	Checked by

LCBO Store No. 686
OTTAWA, ON
Interior Fit-up

Project

ELECTRICAL DETAILS

Drawing Title

E-6

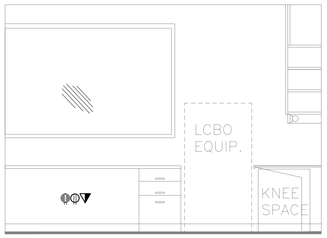
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AUTOCAD Version 24.0 (LMS Tech) - 114.0(USD)

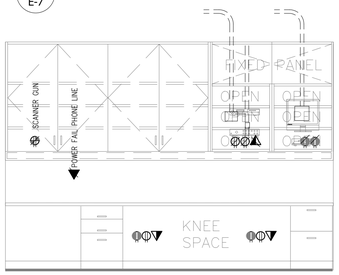
NOTES:

1. SWITCHES AND CONTROL DEVICES TO BE MOUNTED BETWEEN AT 41" A.F.F. AND SHALL BE COORDINATED WITH ARCHITECTURAL PLAN.
2. LOCATION OF SWITCHES, NOVAR PANEL, THERMOSTAT, OUTLETS, SENSORS MUST BE APPROVED BY LCBO COORDINATOR AT THE SITE PRIOR TO ROUGH-IN.
3. SWITCHES SHALL BE MOUNTED IN ONE BANKS AND IDENTIFIED BY LAMACOID PLATES.

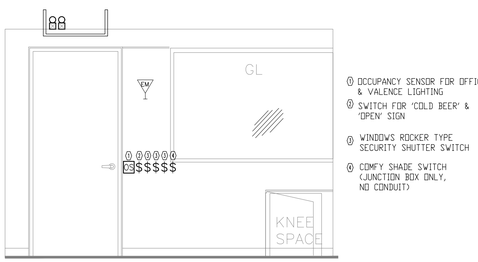
   COMMUNICATION BOX SHALL BE CENTERED ON TOP OF SAFE BOX.



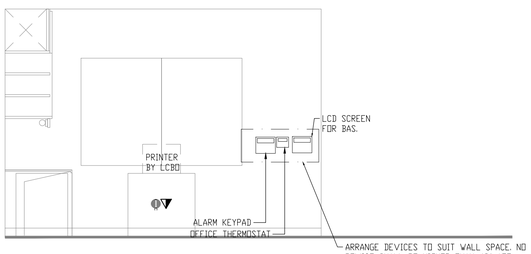
1A E-7 ELEVATION 'A'



1B E-7 ELEVATION 'B'

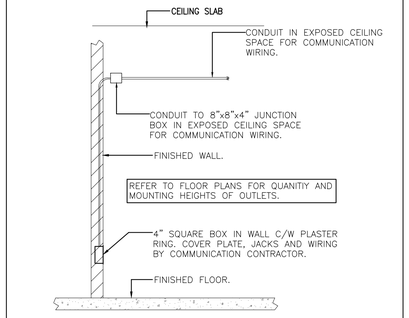


1C E-7 ELEVATION 'C'

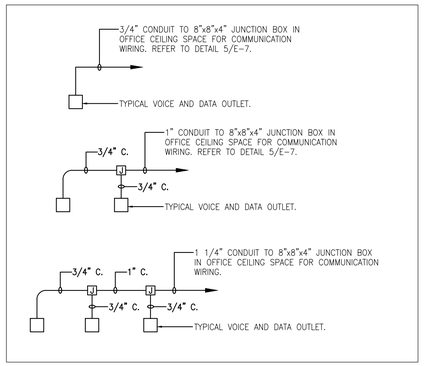


1D E-7 ELEVATION 'D'

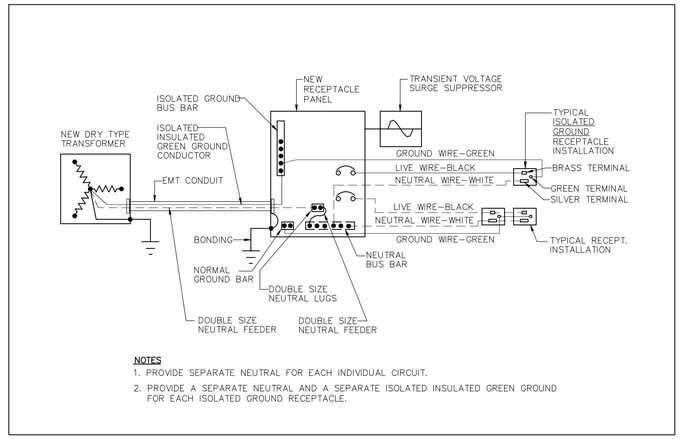
1 E-7 MANAGER'S OFFICE ELEVATION LAYOUT
SCALE: N.T.S.



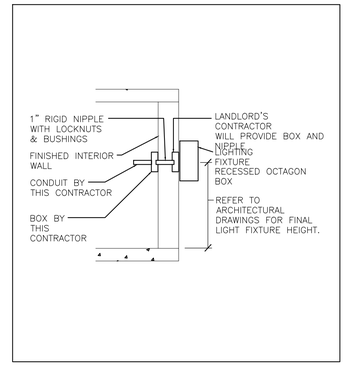
2 E-7 TYPICAL VOICE AND DATA OUTLET INSTALLATION FOR OPEN CEILING SPACE
SCALE: N.T.S.



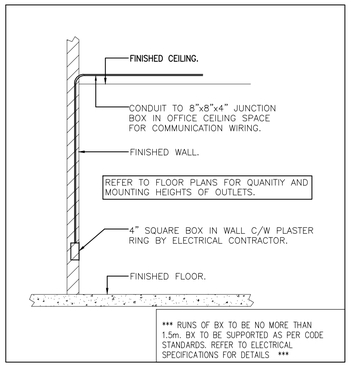
4 E-7 TYPICAL VOICE AND DATA OUTLET CONDUIT INSTALLATION
SCALE: N.T.S.



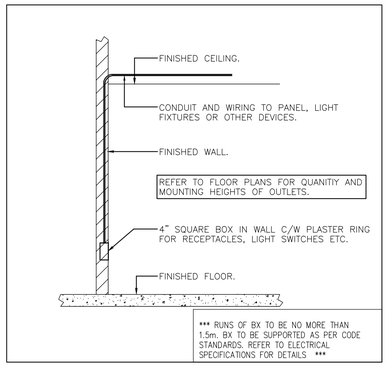
3 E-7 TYPICAL NEUTRAL & ISOLDATED GROUND INSTALLATION
SCALE: N.T.S.



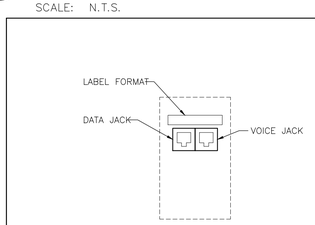
9 E-7 EXTERIOR LIGHT FIXTURE OUTLET INSTALLATION
SCALE: N.T.S.



5 E-7 TYPICAL VOICE AND DATA OUTLET INSTALLATION
SCALE: N.T.S.



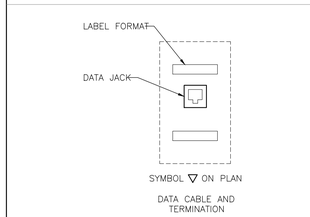
6 E-7 TYPICAL RECEPTACLE ETC. OUTLET INSTALLATION
SCALE: N.T.S.

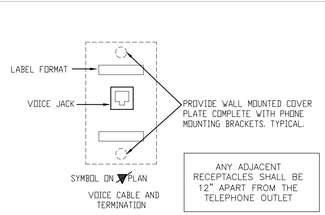


TYPICAL VOICE AND DATA OUTLET INSTALLATION N.T.S

- ⬡ OUTLET AT CEILING SPACE
- ▽ OUTLET AT 42" AFF OR DIFFERENT MOUNTING HEIGHT WHERE NOTED
- ▼ OUTLET AT 42" AFF OR DIFFERENT MOUNTING HEIGHT WHERE NOTED
- ▽ OUTLET AT 42" AFF OR DIFFERENT MOUNTING HEIGHT WHERE NOTED

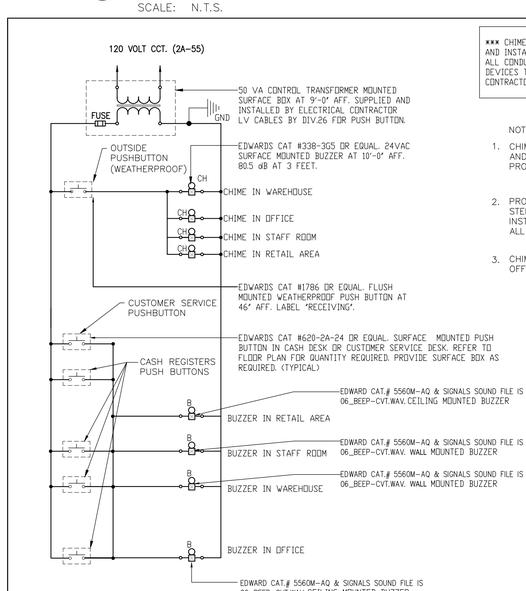
ALL DATA CABLES IN WHITE COLOUR





ANY ADJACENT RECEPTACLES SHALL BE 12" APART FROM THE TELEPHONE OUTLET

7 E-7 TYPICAL DETAIL OF COMMUNICATION OUTLETS
SCALE: N.T.S.



*** CHIME BUZZER SYSTEM TO BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. ALL CONDUIT, WIRING AND CONNECTION OF DEVICES TO BE BY THE ELECTRICAL CONTRACTOR ***.

NOTES:

1. CHIMES FOR THE CASH COUNTER AND LOADING AREAS SHALL BE PROVIDED WITH DISTINGUISH TONES.
2. PROVIDE REQUIRED LOW VOLTAGE STEPDOWN TRANFORMERS AND INSTALL IN WIRE HOUSE. PROVIDE ALL REQUIRED WIRING IN CONDUIT.
3. CHIMES SOUND PRESSURE LEVEL IN OFFICE SHALL NOT EXCEED 81dBA.

8 E-7 CASH DESK AND RECEIVING DOOR CHIME/BUZZER WIRING DIAGRAM
SCALE: N.T.S.

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LCBO Store No. 686
OTTAWA, ON
Interior Fit-up

Project

ELECTRICAL DETAILS

Drawing Title

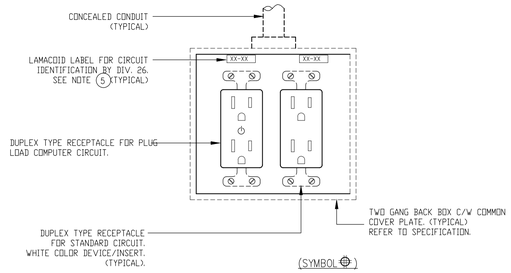
E-7

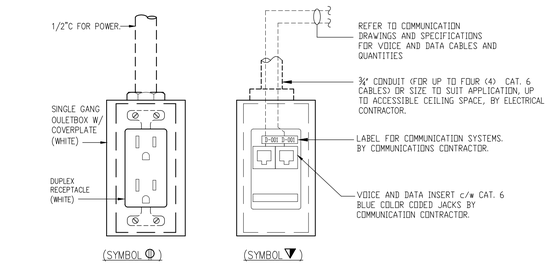
Sheet No.

AUTOCAD Version 2018 - DO NOT MODIFY

NOTES:

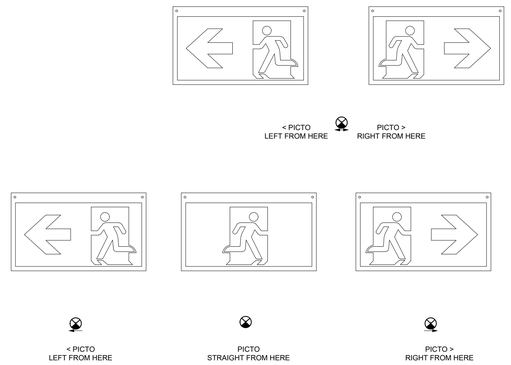
1. CO-ORDINATE WITH DESIGNER FOR EXACT VOICE/DATA CONFIGURATION OUTLETS.
2. CO-ORDINATE WITH DESIGNER FOR EXACT COLOUR FINISH OF RECEPTACLES AND VOICE/DATA OUTLETS.
3. THIS CONTRACTOR SHALL PROVIDE COMPLETE RECEPTACLES SYSTEM. PROVIDE EMPTY CONDUIT + PULL STRING AND BACK BOX FOR COMMUNICATION. VOICE/DATA CABLE, JACKS AND COVER PLATE BY COMMUNICATION CONTRACTOR.
4. PROVIDE WALL MOUNTED RECEPTACLE – LEVITON DECORA – COLOR: WHITE. PROVIDE RED RECEPTACLES THAT ARE CONNECTING TO UPS CIRCUIT.
5. ELECTRICAL CONTRACTOR MUST PROVIDE LAMACOID LABEL ON THE FACE OF EACH POWER RECEPTACLE INDICATING THE PANEL SOURCE AND CIRCUIT NUMBER.





1 E-8 TYPICAL WALL DATA OUTLET

SCALE: N.T.S.



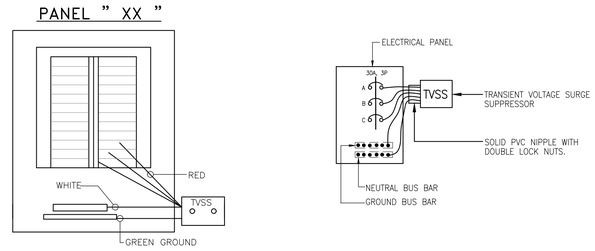
2 E-8 EXIT SIGN DETAIL

SCALE: N.T.S.

TVSS INSTALLATION INSTRUCTIONS:

THIS UNIT SHOULD BE OUTSIDE OF THE PANEL (EXTERNAL).

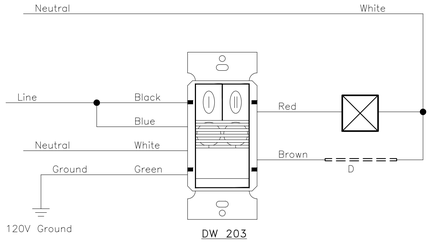
1. USE VOLTAGE METER TO CHECK ALL VOLTAGES IN PANEL.
2. VERIFY THE CONNECTION OF EACH BUS BAR (TOTAL OF THREE) THROUGH: a/ DEDICATED BREAKER (30AMP)
3. CONNECT GREEN WIRE TO GROUND.
4. ALL LIGHTS WILL BURN BRIGHTLY WHEN PROPERLY INSTALLED.
5. SUBSTITUTION OF SURGE SUPPRESSION UNIT TYPE WILL NOT BE ACCEPTABLE. UNLESS APPROVED BY THE ENGINEER
6. THE TVSS SHALL BE INSTALLED IN MANNER TO MINIMIZE WIRE LENGTH TO THE BREAKER AND NEUTRAL AS MUCH AS POSSIBLE. FOR PANELS WITH BOTTOM NEUTRAL BUS BARS, USE 3 BOTTOM BREAKER SPACES. FOR TOP NEUTRAL BUS BARS USE 3 TOP BREAKER SPACES.
7. ARRANGE TO HAVE THE FINAL INSTALLATION INSPECTED BY MANUFACTURER'S REPRESENTATIVE MAKE ALL REQUIRED CHANGES AS DIRECTED. MANUFACTURER'S REPRESENTATIVE TO PROVIDE TYPEWRITTEN INSPECTION REPORT AND SUBMIT IT TO CONSULTANT.
8. TVSS SHALL BE BY "EMA SERIES, SCHNEIDER ELECTRIC SQUARE D #SSP-02-EMA16, 3PH, 4W C/W SURGE COUNTER AND NEMA 1 ENCLOSURE, THERMO-DYNAMIC FUSING SYSTEM FOR PANEL RP-2A. PROVIDE 30A, 3P BREAKER IN PANEL TO FEED TVSS.



3 E-8 TRANSIENT VOLTAGE SURGE SUPPRESSION

SCALE: N.T.S.

Wallswitch Sensor with bi-level manual control



(SYMBOL)

SEQUENCE OF OPERATIONS

–OFFICE CEILING LIGHTS ACTIVATE AUTOMATICALLY VIA SENSOR.

–VALENCE LIGHTS SHALL BE MANUALLY TURNED ON.

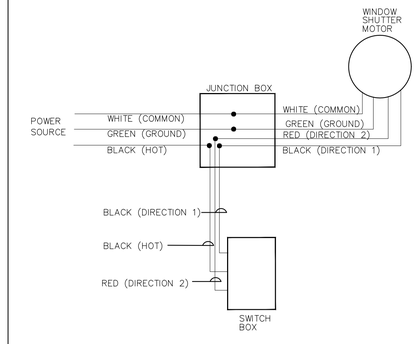
–THE SENSOR SHALL TURN OFF ALL OFFICE LIGHTING AFTER 15MINS OF INACTIVITY.

–BUTTON 'i' WOULD MANUALLY CONTROL (ON/OFF) THE CEILING LIGHTING AND

–BUTTON "ii" WOULD MANUALLY CONTROL (ON/OFF) THE VALENCE LIGHTING.

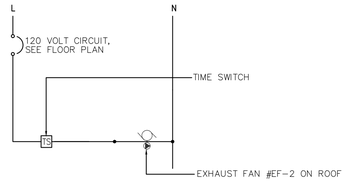
4 E-8 OFFICE SENSOR CONNECTION DETAIL

SCALE: N.T.S.



5 E-8 TYPICAL WIRING CONNECTION FOR SHUTTERS

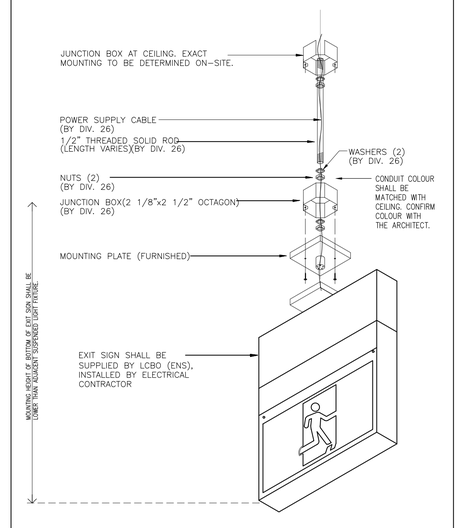
SCALE: N.T.S.



TIME TIMER SWITCH SHALL BE SUPPLIED BY MECHANICAL CONTRACTOR, CONDUIT AND WIRING BY ELECTRICAL CONTRACTOR

6 E-8 STAFF LUNCH ROOM FAN WIRING DIAGRAM

SCALE: N.T.S.



7 E-8 HIGH CEILING EXIT SIGN MOUNTING DETAIL

SCALE: N.T.S.

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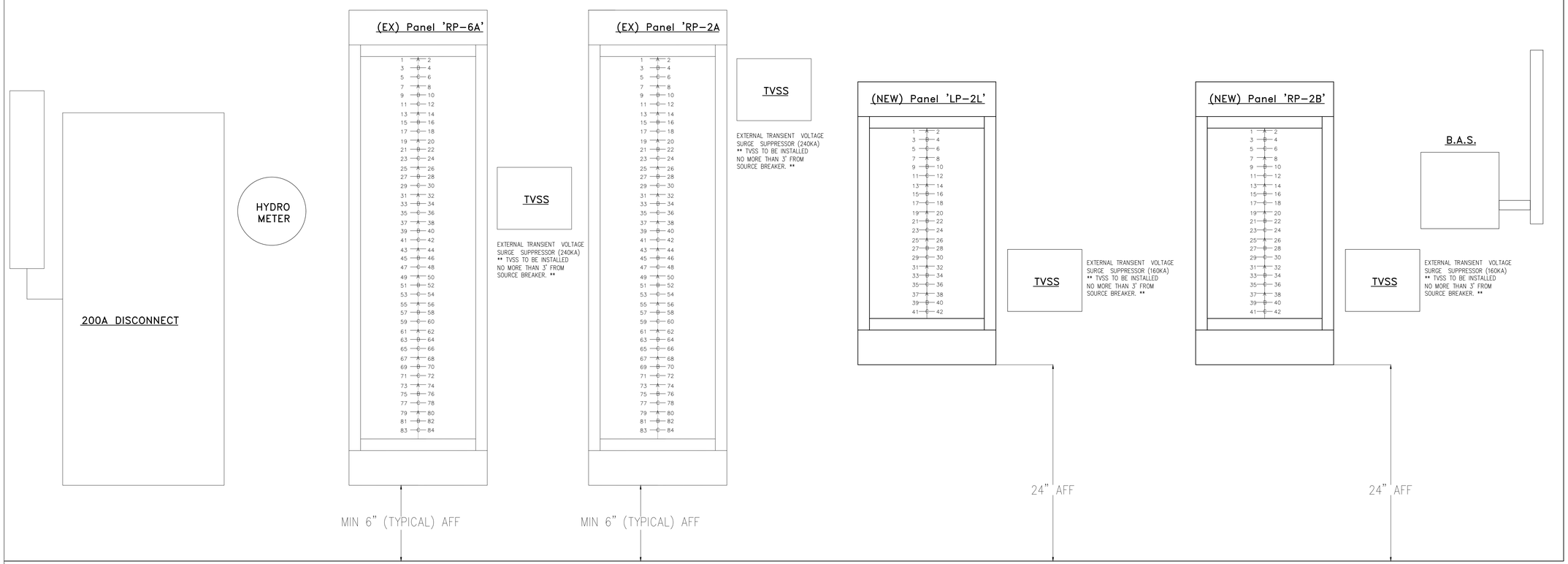
ELECTRICAL DETAILS

Drawing Title

E-8

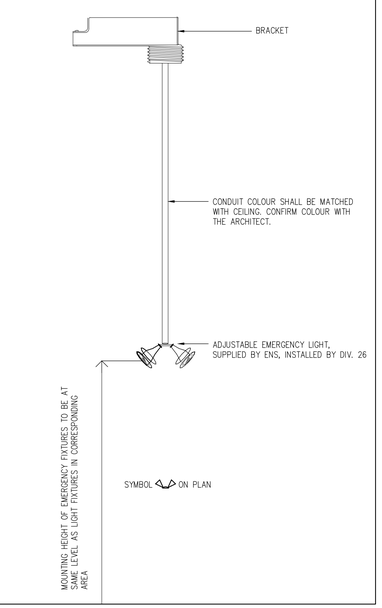
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PLOTTED: August 24, 2020 - 10:47pm



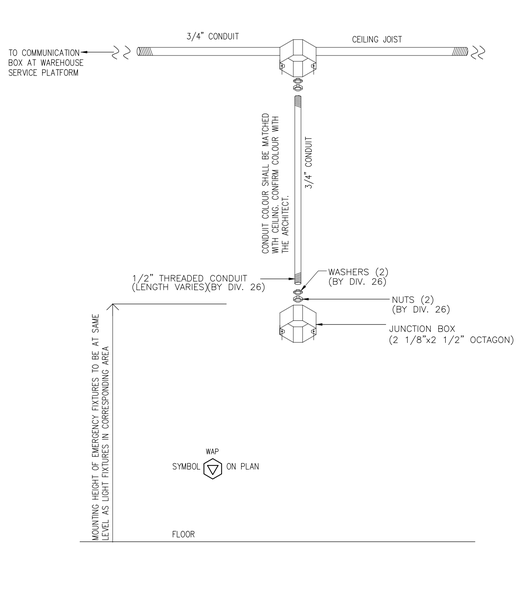
1 E-9 ELECTRICAL PANEL ELEVATIONS

SCALE: N.T.S



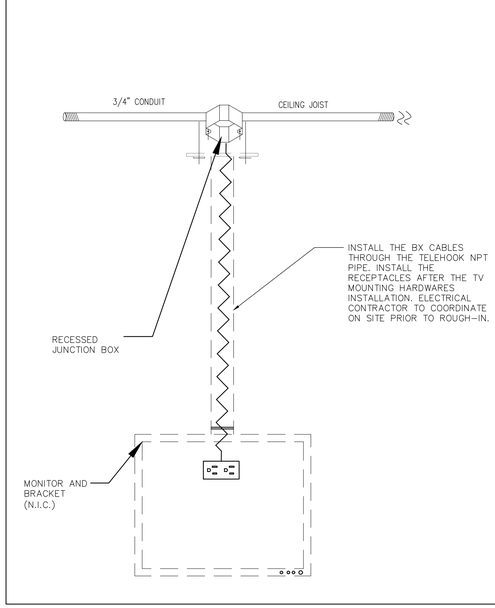
5 E-9 MOUNTING DETAIL OF REMOTE HEADS

SCALE: N.T.S



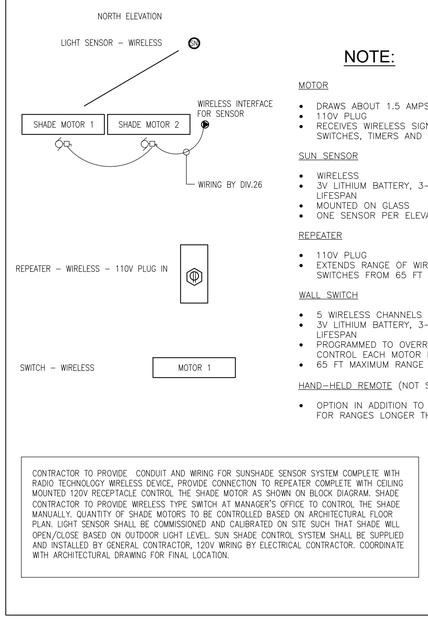
2 E-9 MOUNTING DETAIL FOR WIRELESS ACCESS POINT

SCALE: N.T.S



3 E-9 TYPICAL DETAIL OF RETAIL SECURITY MONITOR RECEPTACLE

SCALE: N.T.S



NOTE:

MOTOR

- DRAWS ABOUT 1.5 AMPS (PER UNIT)
- 110V PLUG
- RECEIVES WIRELESS SIGNALS FROM SWITCHES, TIMERS AND LIGHT SENSORS

SUN SENSOR

- WIRELESS
- 3V LITHIUM BATTERY, 3-5 YEAR LIFESPAN
- MOUNTED ON GLASS
- ONE SENSOR PER ELEVATION

REPEATER

- 110V PLUG
- EXTENDS RANGE OF WIRELESS WALL SWITCHES FROM 65 FT TO 130 FEET

WALL SWITCH

- 5 WIRELESS CHANNELS
- 3V LITHIUM BATTERY, 3-5 YEAR LIFESPAN
- PROGRAMMED TO OVERRIDE AND CONTROL EACH MOTOR INDIVIDUALLY
- 65 FT MAXIMUM RANGE

HAND-HELD REMOTE (NOT SHOWN)

- OPTION IN ADDITION TO WALL SWITCH FOR RANGES LONGER THAN 130 FEET

CONTRACTOR TO PROVIDE CONDUIT AND WIRING FOR SUNSHADE SENSOR SYSTEM COMPLETE WITH RADIO TECHNOLOGY WIRELESS DEVICE, PROVIDE CONNECTION TO REPEATER COMPLETE WITH CEILING MOUNTED 120V RECEPTACLE CONTROL THE SHADE MOTOR AS SHOWN ON BLOCK DIAGRAM. SHADE CONTRACTOR TO PROVIDE WIRELESS TYPE SWITCH AT MANAGER'S OFFICE TO CONTROL THE SHADE MANUALLY. QUANTITY OF SHADE MOTORS TO BE CONTROLLED BASED ON ARCHITECTURAL FLOOR PLAN. LIGHT SENSOR SHALL BE COMMISSIONED AND CALIBRATED ON SITE SUCH THAT SHADE WILL OPEN/CLOSE BASED ON OUTDOOR LIGHT LEVEL. SUN SHADE CONTROL SYSTEM SHALL BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR, 120V WIRING BY ELECTRICAL CONTRACTOR. COORDINATE WITH ARCHITECTURAL DRAWING FOR FINAL LOCATION.

4 E-9 TYPICAL DETAIL OF MOTORIZED SHADE CONTROL

SCALE: N.T.S BY SUN SENSOR

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ELECTRICAL DETAILS

Drawing Title

E-9

Sheet No.

PLOT DATE: August 14, 2020 10:15:15 AM FILE NAME:

SPEC # CX-WC13FM & CXWC13WEC10

(*) CODED NOTES BELOW

CX-WC13FM FLUSH MOUNT EQUIPMENT PACKAGE:

1. CX-33 MULTI-FUNCTION RELAY
2. CM-45/X54 – 4 1/2" ILLUMINATED PUSH PLATE WITH ENCLOSURE AND SIGN
3. CM-45/X54 – 4 1/2" ILLUMINATED PUSH PLATE WITH ENCLOSURE AND SIGN
4. CX-MDA – MAGNETIC DOOR CONTACT

CX-WEC10 EQUIPMENT PACKAGE:

5. CM-450/12R – "PRESS FOR EMERGENCY ASSISTANCE" SWITCH
6. CM-AF501SO – "ASSISTANCE REQUESTED" LED ANNUNCIATOR WITH SOUNDER
7. CM-AF140SO – "ASSISTANCE REQUIRED" SINGLE GANG DOME LIGHT WITH SOUNDER **(x 2 – (1) IN OFFICE AND (1) OUTSIDE BARRIER FREE WASHROOM)**
8. CM-SE21A – EMERGENCY ASSISTANCE SIGN

OTHER EQUIPMENT

9. DOOR OPERATOR – SUPPLIED BY OTHERS
10. CX-ED2079 – GRADE 2 UNIVERSAL ELECTRIC STRIKE
11. CM-54i – ILLUMINATED 4 1/2" SQUARE ACTIVATION SWITCH
12. CM-45/X54 – SURFACE MOUNT BOX FOR CM-54i
13. CX-PS13 – 12/24 VDC LINEAR POWER SUPPLY
14. CX-TRX-4024 – 40VA, 24VAC TRANSFORMER

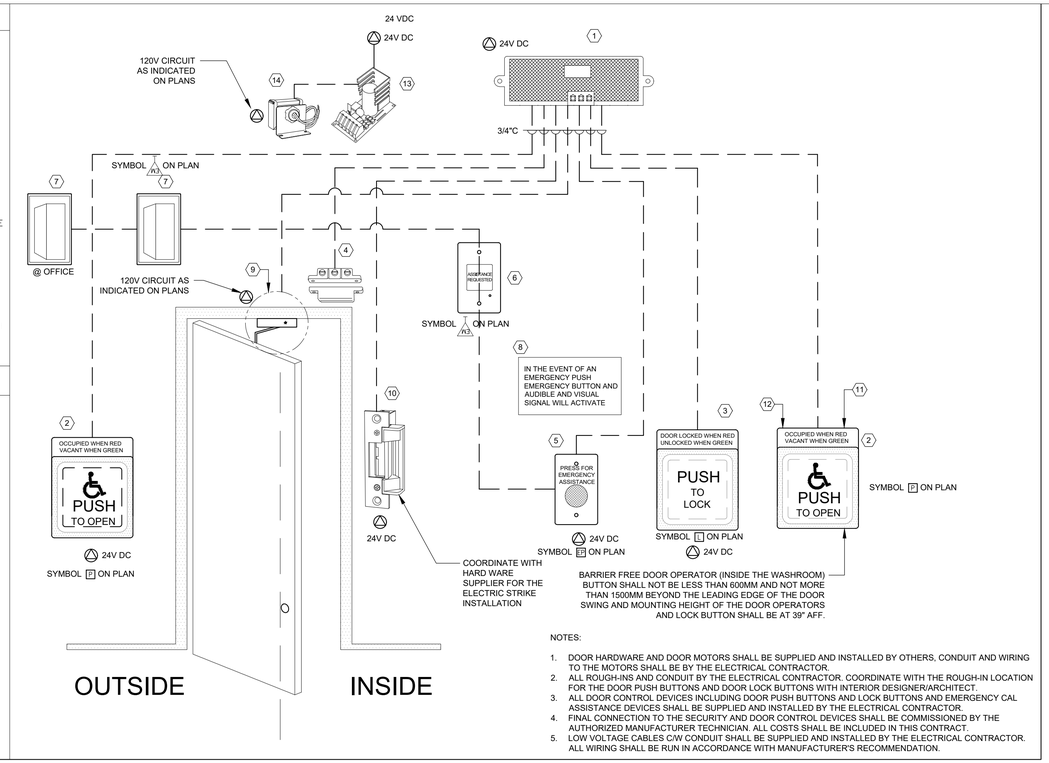
SYSTEM OPERATION

CX-WC13FM OPERATION:

1. THE DOOR IS NORMALLY CLOSED AND UNLOCKED.
2. PRESSING THE EXTERIOR 'PUSH TO OPEN' AURA PUSH PLATE OPENS THE DOOR.
3. ONCE INSIDE AND THE DOOR IS CLOSED, PRESSING THE ILLUMINATED 'PUSH TO LOCK' AURA PUSH PLATE CHANGES THE 'PUSH TO LOCK' AND THE (2) 'PUSH TO OPEN' AURA FROM GREEN ILLUMINATION COLOUR TO RED AND LOCKS THE DOOR.
4. TO EXIT, PRESS THE INTERIOR PUSH PLATE TO UNLOCK THE DOOR AND RESET THE SYSTEM.
5. THE 'PUSH TO LOCK' AURA PUSH PLATE SWITCH ILLUMINATED RING TURNS GREEN AND THE EXTERIOR 'PUSH TO OPEN' AURA PUSH PLATE OUTER RING TURNS GREEN.
6. IF THE DOOR IS OPENED MANUALLY TO EXIT THE RESTROOM, THE OVERHEAD MAGNETIC CONTACT SWITCH RESETS THE SYSTEM.

CX-WEC10 OPERATION:

1. THE 'PRESS FOR EMERGENCY ASSISTANCE' MUSHROOM PUSH BUTTON IS ACTIVATED BY THE OCCUPANT.
2. THIS ENERGIZES THE LED ANNUNCIATOR AND SOUNDER WITHIN THE WASHROOM, AND THE DOME LIGHT WITH SOUNDER OUTSIDE THE WASHROOM.
3. BOTH UNITS WILL BE ENERGIZED UNTIL THE LATCHING MUSHROOM PUSH BUTTON SWITCH IS PULLED OUT.

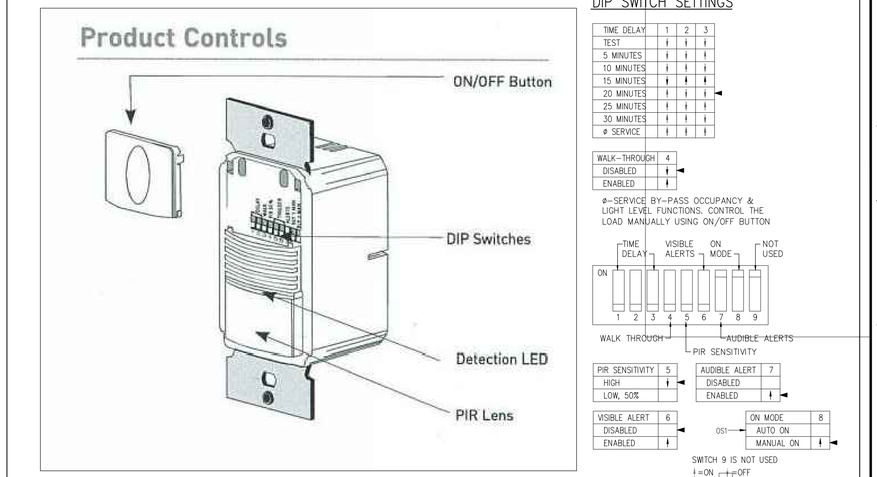


NOTES:

1. DOOR HARDWARE AND DOOR MOTORS SHALL BE SUPPLIED AND INSTALLED BY OTHERS, CONDUIT AND WIRING TO THE MOTORS SHALL BE BY THE ELECTRICAL CONTRACTOR.
2. ALL ROUGH-INS AND CONDUIT BY THE ELECTRICAL CONTRACTOR. COORDINATE WITH THE ROUGH-IN LOCATION FOR THE DOOR PUSH BUTTONS AND DOOR LOCK BUTTONS WITH INTERIOR DESIGNER/ARCHITECT.
3. ALL DOOR CONTROL DEVICES INCLUDING DOOR PUSH BUTTONS AND LOCK BUTTONS AND EMERGENCY CAL ASSISTANCE DEVICES SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
4. FINAL CONNECTION TO THE SECURITY AND DOOR CONTROL DEVICES SHALL BE COMMISSIONED BY THE AUTHORIZED MANUFACTURER TECHNICIAN. ALL COSTS SHALL BE INCLUDED IN THIS CONTRACT.
5. LOW VOLTAGE CABLES C/W CONDUIT SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL WIRING SHALL BE RUN IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.

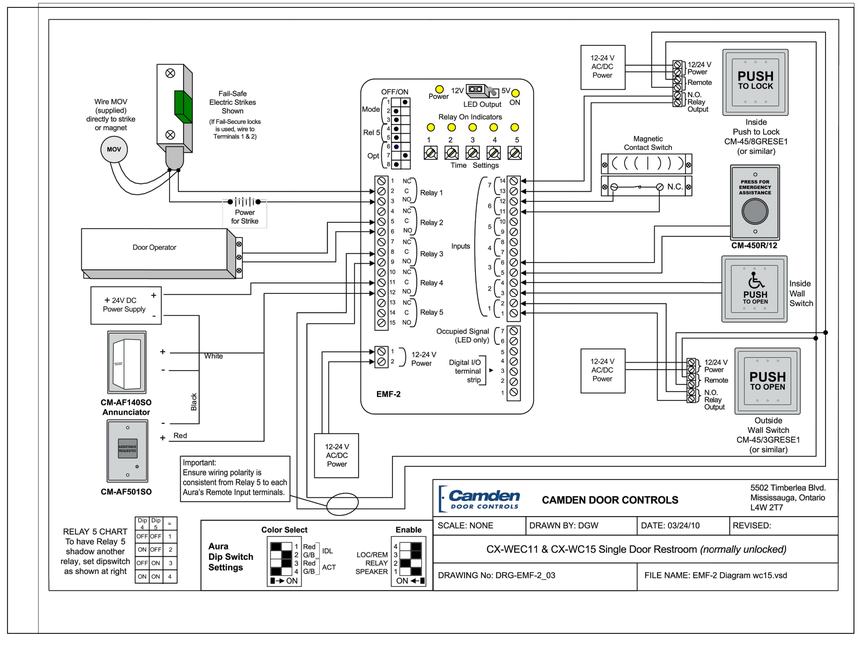
1 E-10 B.F WASH ROOM EMERGENCY CALL ASSISTANCE AND DOOR CONTROL DETAIL

SCALE: N.T.S.



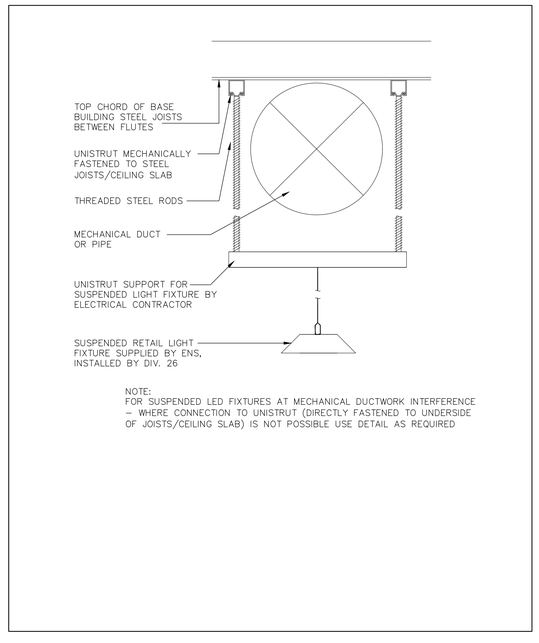
3 E-10 TYPICAL DETAIL OF OCCUPANCY SENSEOR SETTING

SCALE: N.T.S.



2 E-10 B.F WASH ROOM EMERGENCY CALL ASSISTANCE AND DOOR CONTROL WIRING DIAGRAM

SCALE: N.T.S.



NOTE:
FOR SUSPENDED LED FIXTURES AT MECHANICAL DUCTWORK INTERFERENCE – WHERE CONNECTION TO UNISTRUT (DIRECTLY FASTENED TO UNDERSIDE OF JOISTS/CEILING SLAB) IS NOT POSSIBLE USE DETAIL AS REQUIRED

4 E-10 RETAIL AREA LIGHTING SUSPENSION DETAILS

SCALE: N.T.S.

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2. VERIFY ALL DIMENSIONS.
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4. CHECK DRAWINGS AGAINST SPECIFICATIONS.
5. USE THE LATEST REVISED DRAWINGS ONLY.
6. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SCHEDULES, DISCOVERED ERRORS, OR OMISSIONS, TO THE ARCHITECT AND LCBO DURING TENDER PERIOD AND BEFORE PROCEEDING WITH ANY WORK.
7. DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT, AND MUST BE RETURNED UPON COMPLETION OF WORK.
8. TO VIEW A LIST OF BIDDERS FOR THIS PROJECT, PLEASE GO TO: WWW.BIDDINGO.COM/LCBO

Rev.	Date	Description	Initial
8	AUG 25, 2020	ISSUED FOR TENDER	MP
7	AUG 14, 2020	RE-ISSUED FOR PERMIT	MP
6	DEC 2, 2019	ISSUED FOR PERMIT	MP
5	NOV 20, 2019	ISSUED FOR REVIEW	MP
4	OCT 3, 2019	ISSUED FOR 100% REVIEW	MP
3	JUL 17, 2019	ISSUED FOR 90% REVIEW	MP
2	JUN 26, 2019	ISSUED FOR 60% REVIEW	MP
1	MAY 7, 2019	ISSUED FOR 30% REVIEW	MP

RE-ISSUED FOR PERMIT
Issued for:

AUG 14, 2020
Issue Date

17M-02500-D1	NTS	MP	MP
Project No.	Scale	Drawn by	Checked by

LCBO Store No. 686
OTTAWA, ON
Interior Fit-up

Project

ELECTRICAL DETAILS

Drawing Title

E-10

Sheet No.

AUTOCAD 2018 DWG