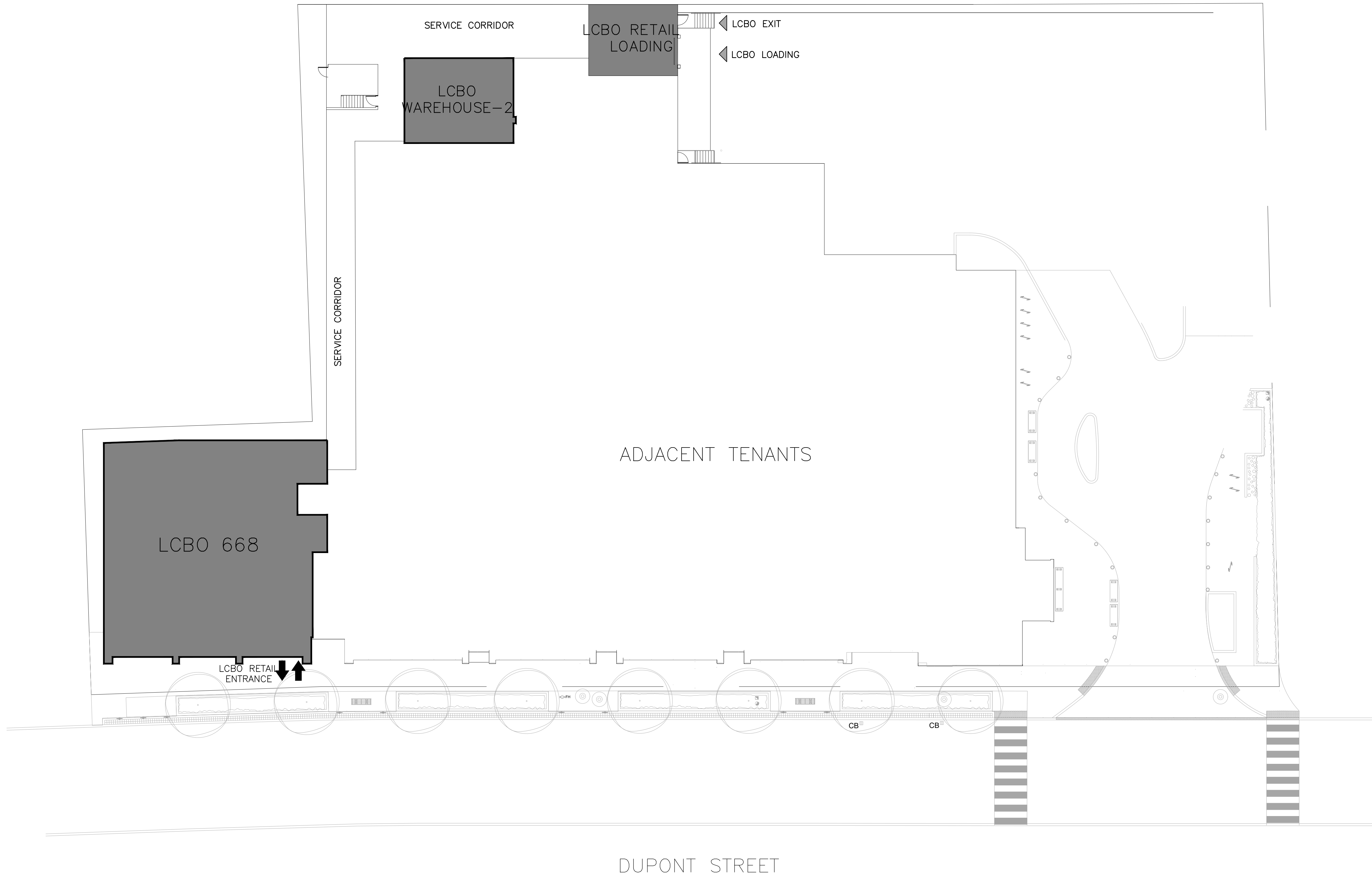


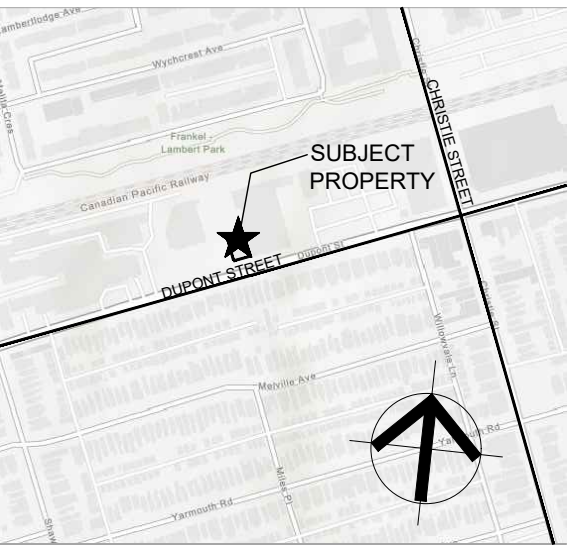
THIS SITE PLAN, AS PREPARED BY LANDLORD’S CONSULTANT, IS PROVIDED FOR REFERENCE ONLY.



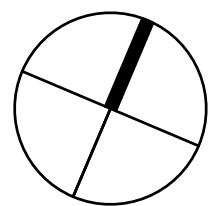
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PROJECT NORTH

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Rev.: Date: Description: Initial



ISSUED FOR PERMIT & TENDER

Issued for:
Feb. 8, 2021
Issue Date:
125569
Project No.:
1/16"=1'-0"
Scale:
VG
Checked by:

LCBO Store No.668
Interior Fit-Up
740 Dupont St.
Toronto, ON

Project:

Site Plan

Drawing Title:

A0.01

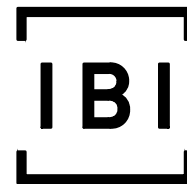
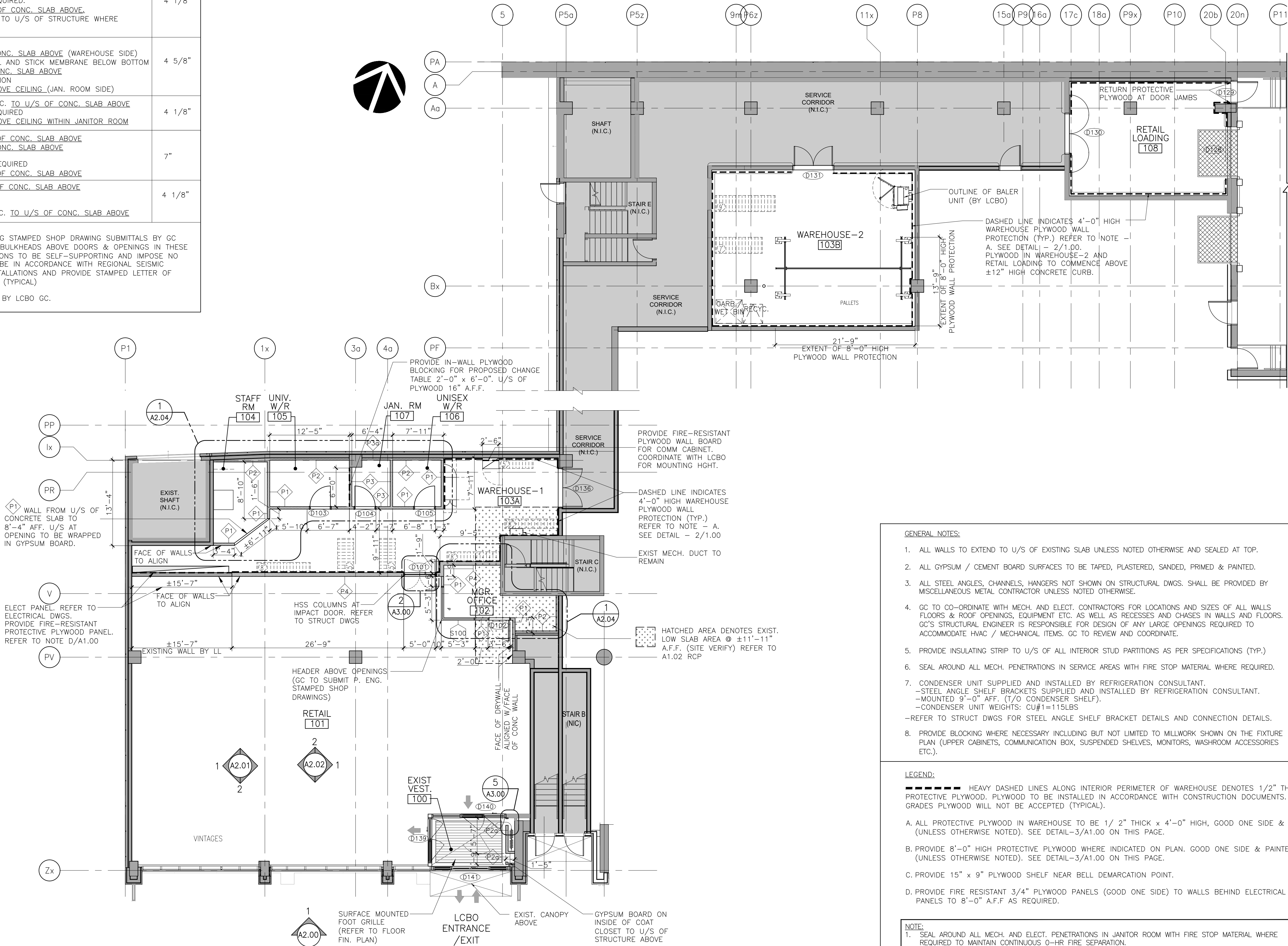
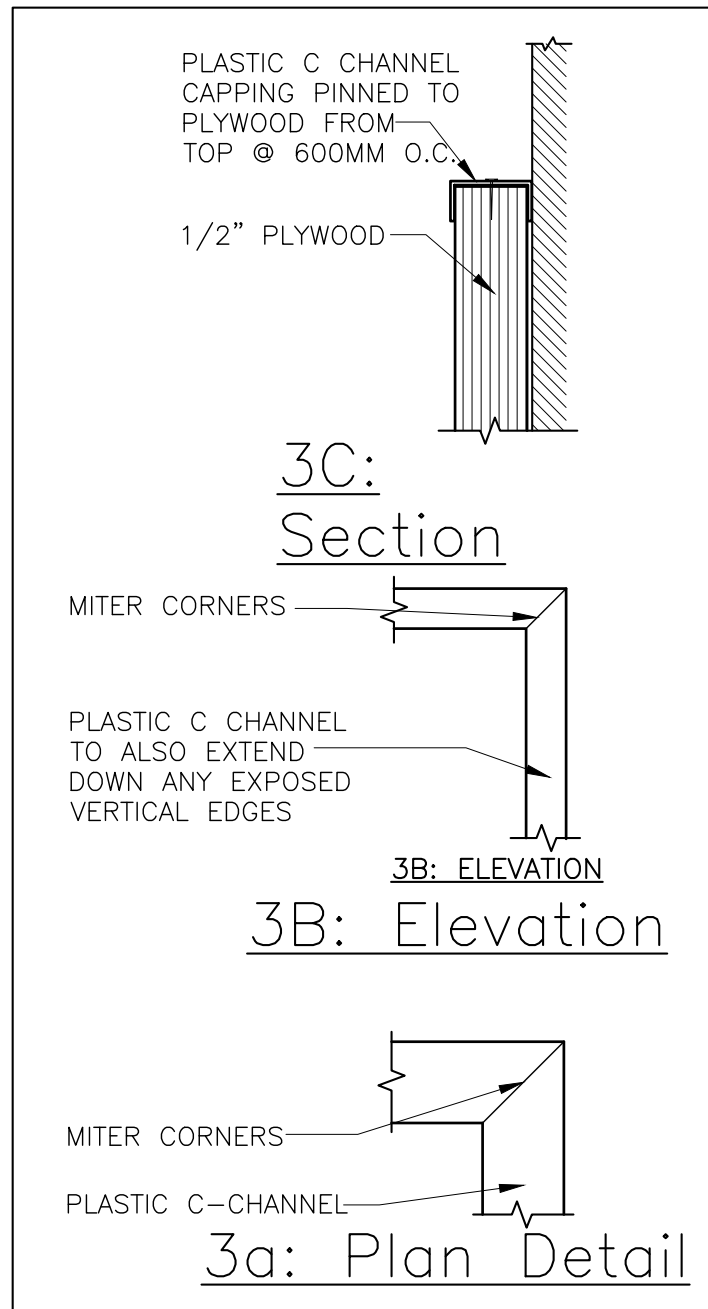
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Site Plan

Scale: 1/16"=1'-0"

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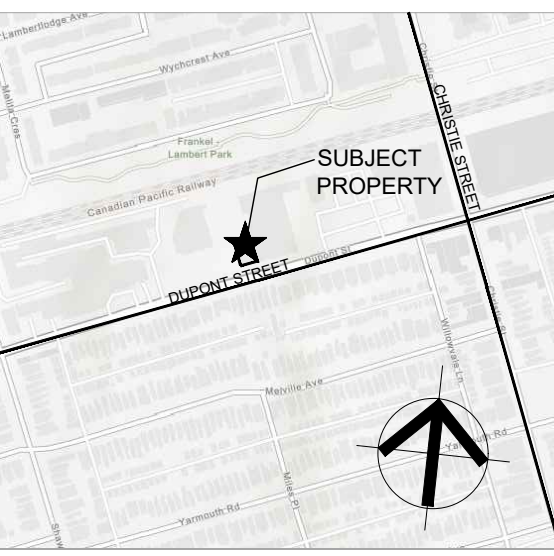
PARTITION TYPES:		
TYPE	DIAGRAM	DESCRIPTION
		EXISTING BASE-BUILDING WALL / N.I.C. AREAS
		BY L.L.
P1		1/2" GYPSUM BOARD TO 6" ABOVE T-BAR CEILING 3/4" PLYWOOD BACKING AS REQUIRED SOUND ATTENUATION INSULATION 3 5/8" STEEL STUDS @ 16" O.C. TO U/S OF CONC. SLAB ABOVE 1/2" GYPSUM BOARD TO 6" ABOVE T-BAR (IN T-BAR LOCATIONS) 1/2" GYPSUM BOARD TO U/S OF CONC. SLAB ABOVE IN WAREHOUSE & RETAIL
P2		3 5/8" STEEL STUDS TO U/S OF CONC. SLAB ABOVE 3/4" PLYWOOD BACKING AS REQUIRED 1/2" GYPSUM BOARD TO 6" ABOVE T-BAR CEILING
P2a		1/2" GYPSUM BOARD TO U/S OF CONC. SLAB ABOVE 3/4" PLYWOOD BACKING AS REQUIRED 3 5/8" STEEL STUDS TO U/S OF CONC. SLAB ABOVE (BOTH SIDES GYPSUM BOARD TO U/S OF STRUCTURE WHERE NOTED ON PLAN)
P3		0-HR. FIRE SEPARATION: 1/2" GYP. BRD. TO U/S OF CONC. SLAB ABOVE (WAREHOUSE SIDE) 3 5/8" STEEL STUDS C/W PEEL AND STICK MEMBRANE BELOW BOTTOM TRACK @ 16" O.C. TO U/S OF CONC. SLAB ABOVE 3" SOUND ATTENUATION INSULATION 1/2" CEMENT BOARD TO 6" ABOVE CEILING (JAN. ROOM SIDE)
P3a		3 5/8" STEEL STUDS @ 16" O.C. TO U/S OF CONC. SLAB ABOVE 3/4" PLYWOOD BACKING AS REQUIRED 1/2" CEMENT BOARD TO 6" ABOVE CEILING WITHIN JANITOR ROOM
P4		1/2" GYPSUM BOARD TO U/S OF CONC. SLAB ABOVE 6" STEEL STUDS TO U/S OF CONC. SLAB ABOVE SOUND ATTENUATION INSULATION 3/4" PLYWOOD BLOCKING AS REQUIRED 1/2" GYPSUM BOARD TO U/S OF CONC. SLAB ABOVE
P5		1/2" GYPSUM BOARD TO U/S OF CONC. SLAB ABOVE (UNLESS OTHERWISE NOTED) SOUND ATTENUATION INSULATION 3 5/8" STEEL STUDS @ 16" O.C. TO U/S OF CONC. SLAB ABOVE
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 OVERHEAD SLAB 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.		



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ISSUED FOR PERMIT & TENDER

Issue Date: Feb. 8, 2021

Project No.: 125569

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

Drawn by: VG

Checked by:

LCBO Store No.668
Interior Fit-Up
740 Dupont St.
Toronto, ON

Partition Plan

Drawing Title: Partition Plan

Sheet No.: A1.00

1. ALL WAINSCOTING IN VESTIBULE TO BE INSTALLED ON ALL VERTICAL GRC 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
 - QUANTITY = ONE(1). REFER TO PLAN.
 - FINISH= MATTE BLACK POWDER COAT FINISH
 - SITE VERIFY DIMENSIONS PRIOR TO FABRICATION.ENSURE OPTIONS ARE INCLUDED: EMERGENCY BUTTON, PROTECTIVE RUBBER PADS, HANDICAP ACCESSIBILITY BUTTON, AND WRONG WAY DETECTION SYSTEM.
PROVIDE ADDITIONAL FREESTANDING ST. STEEL POSTS AS SHOWN
CONTACT: ETIENNE AUDET
T: 418-427-3248(MOBILE) OR 1-888-478-3248,
EMAIL: eaudet@bolducsolution.com)
REFER TO SPEC
3. ST. STEEL RAILINGS (CAR CORRAL) COMPLETE W/ANCHOR LEG AND DECORATIVE CAP:
 - BY BOLDUC SOLUTIONS
 - DIM: CUSTOMIZED TO STORE.
 - FINISH: MATTE BLACK POWDER COAT FINISH
 - PROVIDE SHOP DRAWING FOR APPROVAL.
 - SUPPLIED AND INSTALLED BY G.C.
5. 8'-0" HIGH BLUE RACKING FOR RECORD STORAGE ON TOP C/W ROOFS STAIRCASE FOR ACCESS TO 8'-0" HIGH BLUE RACKING. BY LCBQ VENDOR (G.J. JOHNSTON).
6. DOOR TO GRILLE ENCLOSURE TO BE LOCKABLE W/ PT. FIN. NO. P721 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.
PROVIDE 36" HIGH P-LAM FINISH.
8. "BILINGUAL LANGUAGE" "OPEN" SIGN SUPPLIED & INSTALLED BY LCBQ SIGNAGE CONTRACTOR. SIGNS TO BE SUSPENDED FROM WINDOW SYSTEM. (REFER TO ELEC). GC TO COORDINATE INSTALLATION. REFER TO EXT. ELEVATIONS.

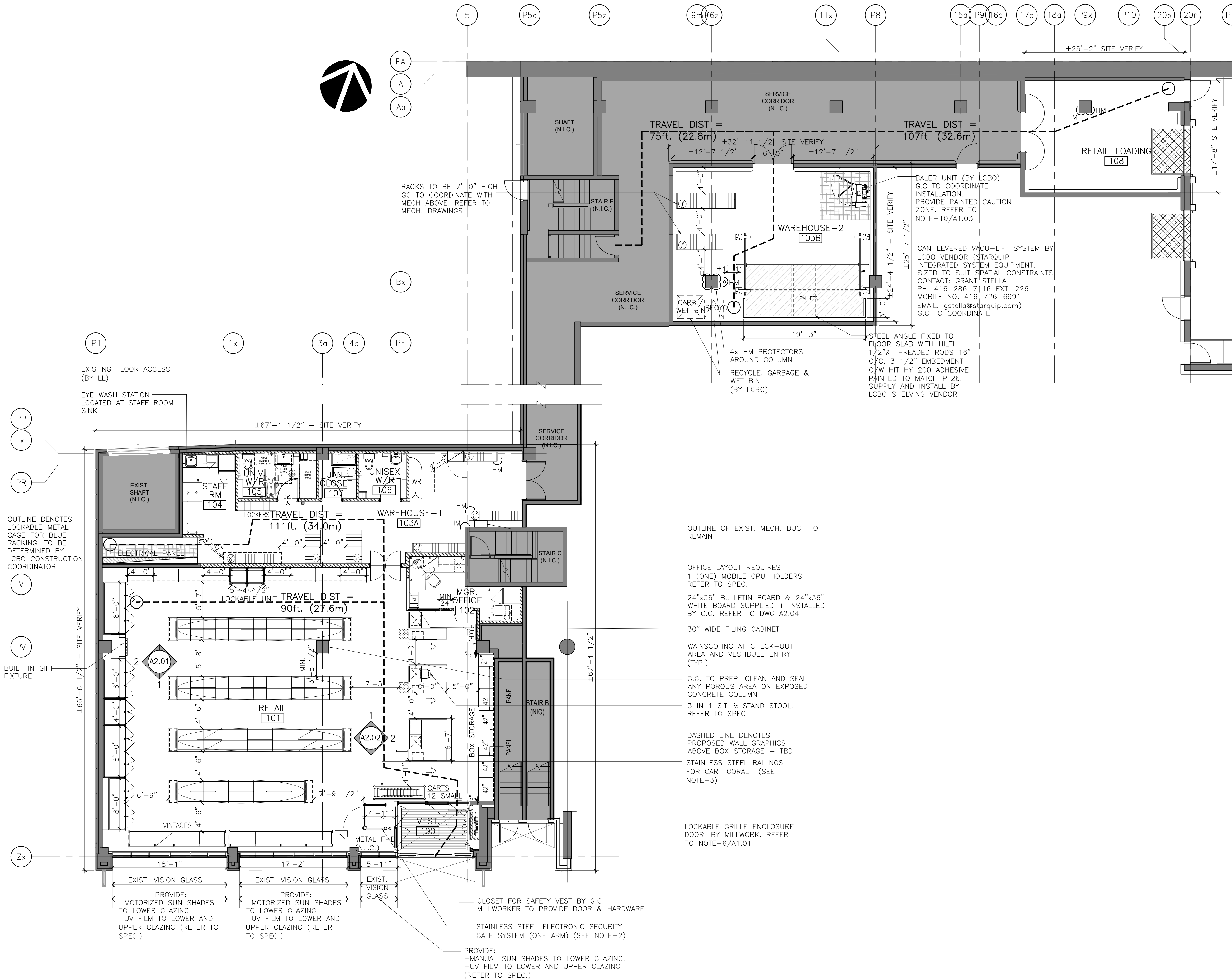
A. ALL MILLWORK, LIFT TABLE, METAL SHELVING, SIGNAGE, REFRIGERATION, RACKING AND 7'-0" HIGH PAINTED WIRE MESH STEEL CAGE IN STEEL FRAMING SUPPLIED AND DELIVERED BY LCBO. FIT-UP G.C TO COORDINATE INSTALLATION WITH RESPECTIVE VENDORS.

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

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
A1.01

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125569	1/8" =	1'-0"	VG
Project No.:	Scale:	Drawn by:	Checked by:

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Project: Fixture Plan

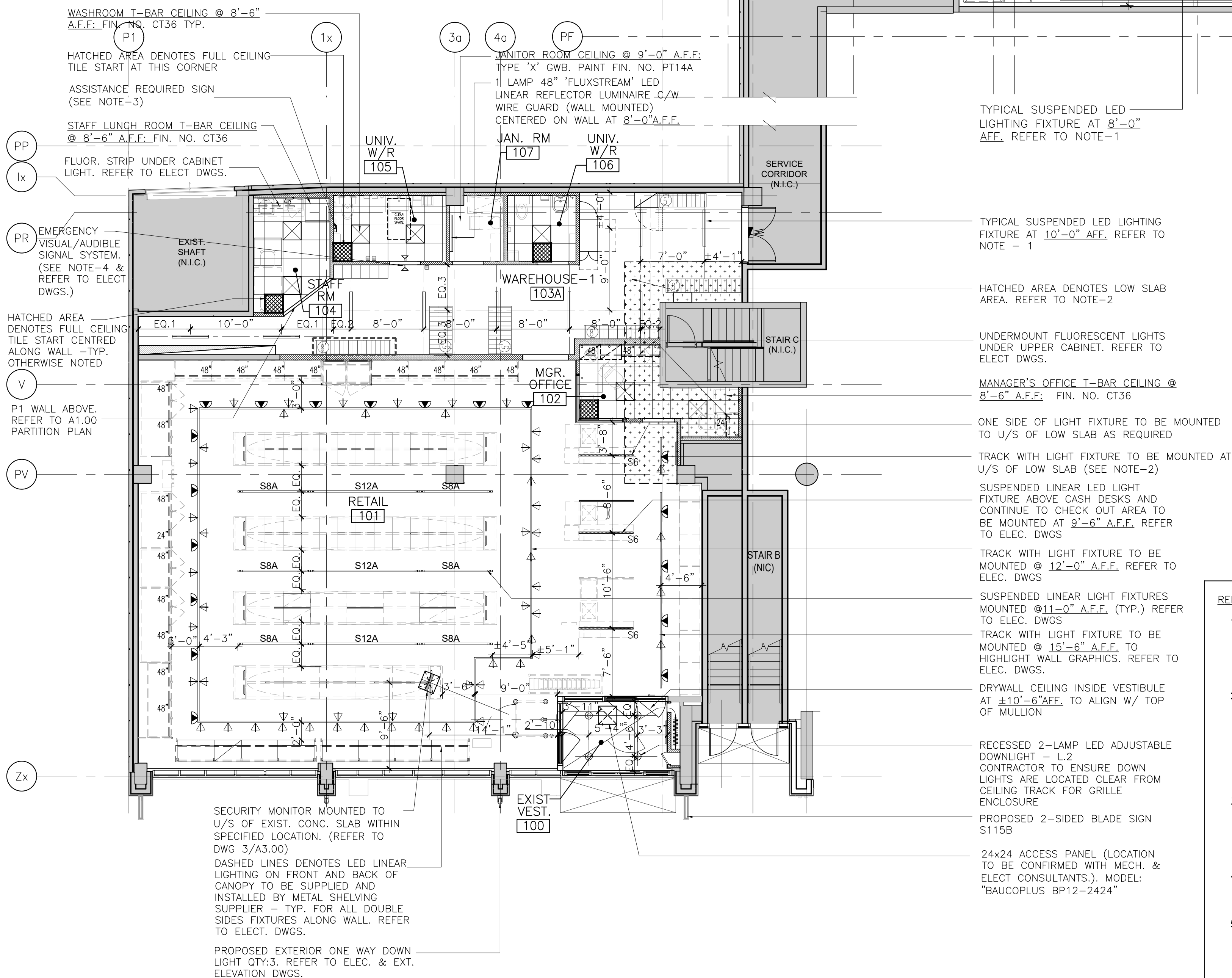
Drawing Title

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Sheet No.:

STANDARD NOTES:

- A. MECHANICAL AND ELECTRICAL WORK TO COMPLY WITH THE REQUIREMENTS OF THE BUILDING LANDLORD AND AUTHORITIES HAVING JURISDICTION.
- B. REFER TO RCP FOR LOCATION OF CEILING FIXTURES AND REFER TO ELECT. ENGINEERING DRAWINGS FOR SPECIFICATIONS.
- C. SPECIFICATIONS FOR ALL ALTERNATES MUST BE APPROVED PRIOR TO TENDER CLOSING.
- D. G.C TO CROSS REFERENCE BETWEEN ARCHITECT'S RCP, ELECTRICAL DRAWINGS, ENGINEER'S MECHANICAL DRAWINGS AND SITE CONDITIONS. REPORT DISCREPANCIES TO THE ARCHITECT FOR CLARIFICATION.
- E. G.C TO PROVIDE OPENINGS IN DRYWALL CEILING(WHERE APPLICABLE) TO ACCOMMODATE SPRINKLERS, EXIT LIGHTS, ACCESS PANELS, RECESSED DOWN LIGHTS, AIR DIFFUSERS. CONTRACTOR TO REFER TO REFLECTED CEILING PLAN AND ENGINEERING DRAWINGS AND SPECIFICATIONS.
- F. REMOVED.
- G. REMOVED.
- H. G.C. TO VERIFY & COORDINATE LOCATION OF ALL DUCTS/HVAC UNITS AS PER MECHANICAL DRAWINGS IN CONJUNCTION WITH LAYOUT OF RCP
- I. CEILING HEIGHTS TO BE REFERENCED FROM ARCHITECTURAL DRAWINGS. G.C TO CONFIRM CEILING HEIGHT & CONDITIONS AND NOTIFY DESIGNER OF ANY DISCREPANCIES.
- J. **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.
- K. ALL LIGHT FIXTURES, BALLAST, LAMPS, ETC. TO BE SUPPLIED BY **LCBO (ENS)** AND INSTALLED BY ELECTICA CONTRACTOR UNLESS OTHERWISE NOTED. CONTACT VICTOR VAN, LCBO@ENSINC.CA, PH.: 647-746-3550.
- L. **ENS** TO SUPPLY & INSTALL 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.
- M. G.C. 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.
- N. G.C. TO ENSURE ALL WIRE MANAGEMENT IS KEPT NEAT, TIDY, AND SECURE WITHIN A WIRE-TROUGH SECURED TO THE UNDERSIDE OF THE SLAB WHERE POSSIBLE.
- O. ALL BALLASTS TO HAVE LOW BALLAST FACTOR OF 0.77/0.78
- P. NOT USED.
- Q. ELECTRICAL ENGINEER TO ENSURE ALL TRACK CIRCUITING IS IN ACCORDANCE WITH SECTION 9.1.4 © OF ASHRAE 90.1 2010
- R. LS/L7 FIXTURES TO ALIGN AS NOTED IN DRAWING. MANUFACTURER TO ENSURE FABRICATION AS PER DRAWING WHILST USING THE LEAST VARIATION IN COMPONENT LENGTHS



REFLECTED CEILING NOTES:

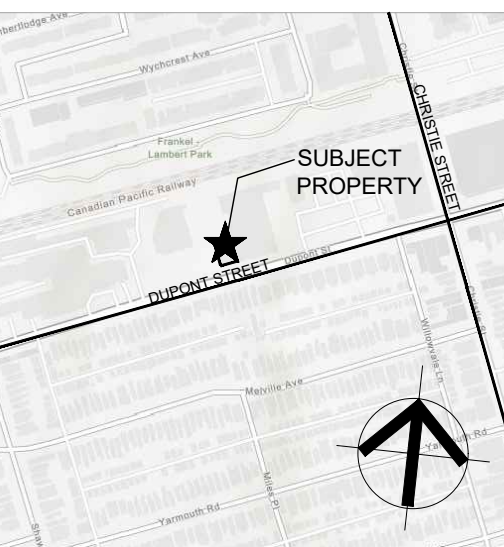
- ALL SUSPENDED LINEAR LIGHT FIXTURES AND TRACK LIGHTS TO BE SECURED TO UNISTRUT. ALL UNISTRUT & THREADED RODS TO BE SECURED TO U/S OF CONC. FLOOR SLAB WHERE SHOWN ON PLAN (SEE NOTE-2 AND NOTE-5). PAINT FIN. PT14. G.C. TO SUPPLY AND INSTALL ALL UNISTRUT COMPONENTS REQUIRED TO SUSPEND ALL LIGHT FIXTURES/SIGNAGE. GC TO COORDINATE ALL LIGHT SUSPENSION WITH VARYING U/S OF SLAB HEIGHTS AS REQUIRED.
- EXPOSED RETAIL AREA CEILINGS FINISH: ALL EXIST. AND NEW EXPOSED CEILING STRUCTURE, MECH. DUCT WORK, CONDUITS, THREADED RODS, ETC. TO RECEIVE PT. FIN. NO. PT14 THROUGHOUT (TYP.). EXPOSED CEILING HEIGHT AT RETAIL:
 - U/S OF STRUCTURE ABOVE = ±20'-4" AFF. (SITE VERIFY).
 - HATCHED AREA DENOTES U/S OF STRUCTURE ABOVE = ±11'-11" A.F.F. (SITE VERIFY)
- 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 ELEC DWGS).
- 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 ELEC DWGS).
- WAREHOUSE AREA CEILINGS FINISH: ALL EXIST. AND NEW EXPOSED CEILING STRUCTURE, DUCTING, CONDUITS, ETC. TO RECEIVE PT. FIN. NO. PT14.
 - CEILING HEIGHT AT WAREHOUSE-1 (103A):
 - U/S OF ROOF SLAB= ±20'-4" AFF. (SITE VERIFY).
 - U/S OF LOW SLAB= ±11'-11" AFF (SITE VERIFY). SEE NOTE-2
 - CEILING HEIGHT AT WAREHOUSE-2 (104B):
 - U/S OF STRUCTURE ABOVE = 10'-2" AFF (SITE VERIFY)



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125569 1/8" = 1'-0" VG
Project No.: Scale: Drawn by: Checked by:

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Project:
Reflected Ceiling Plan

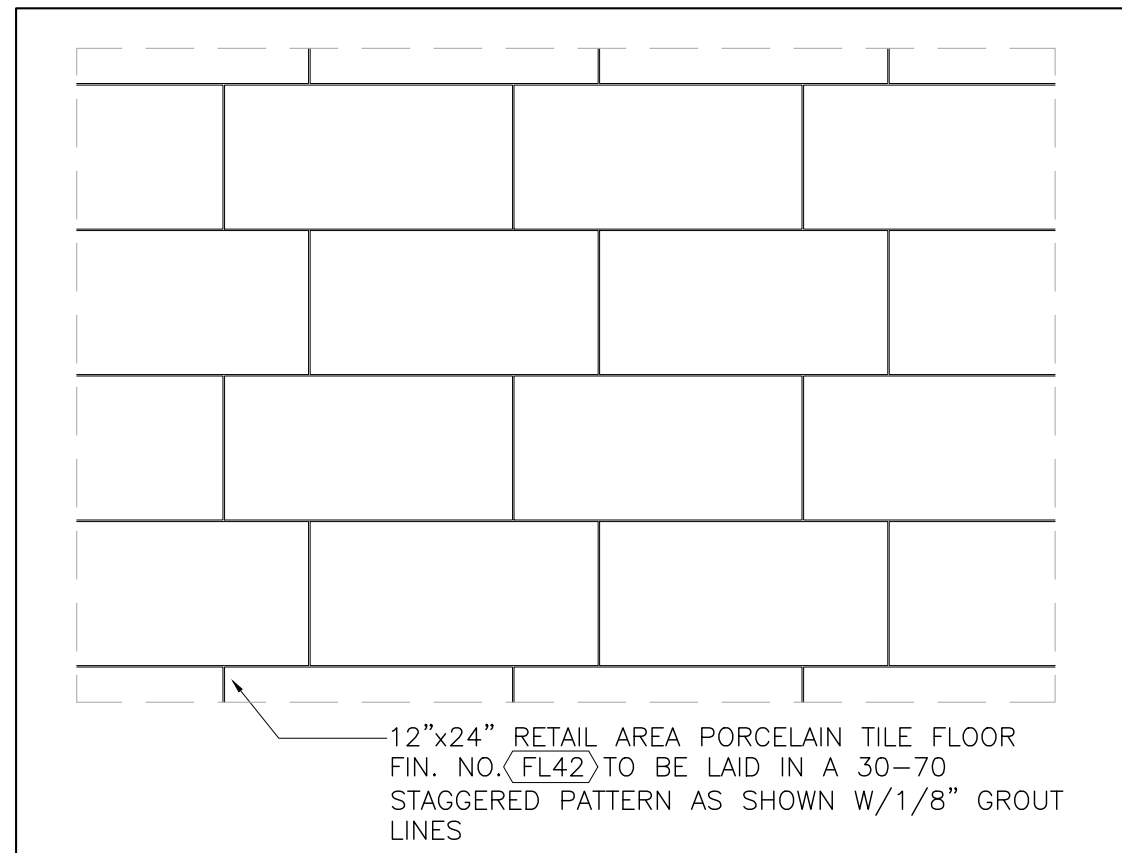
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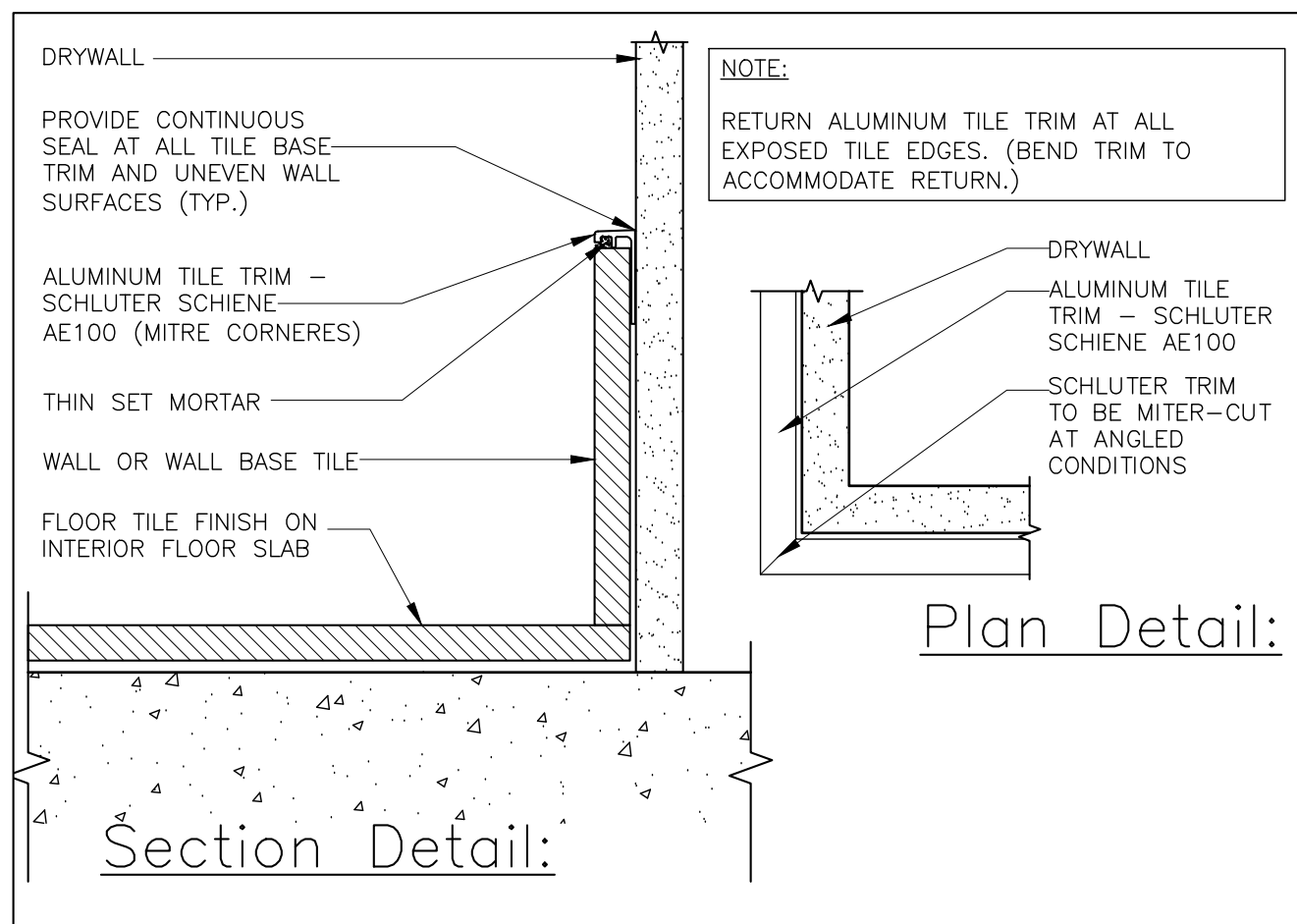
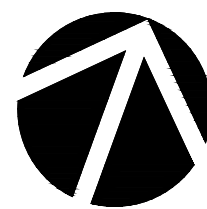
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GENERAL NOTES:

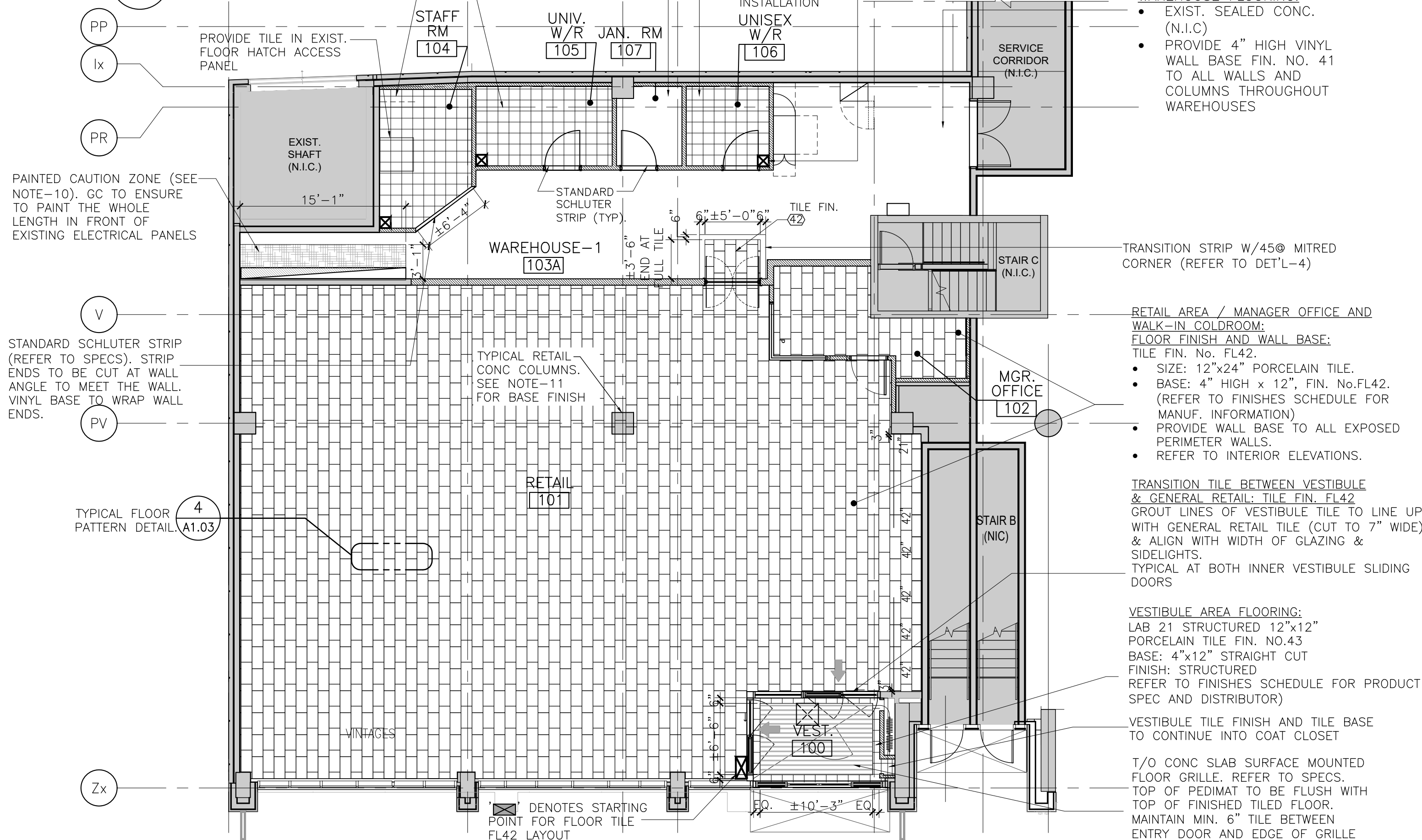
1. REFER TO SUPPLEMENTAL FINISHES SCHEDULE A4.00 FOR ALL MATERIAL SPECIFICATIONS AND SUPPLIER CONTACT INFORMATION.
2. ENSURE ALL EXISTING CONCRETE FLOORS ARE FLAT AND LEVEL, WHERE CONCRETE SLAB IS NOT FLAT & LEVEL, GC TO CARRY A COST TO PROVIDE SELF-LEVELING COMPOUND AND/OR ADDITIONAL MORTAR BED UP TO 3/4 THICK TO BRING EXISTING FLOOR SLAB TO FLOOR FLATNESS AND LEVELNESS REQUIRED. (REFER TO SPECIFICATION SECTION 09 30 00).
3. ALL FLOOR TILE JOINTS (MAX. 1/8" THICK) TO ALIGN WITH GENERAL RETAIL AREA FLOOR TILE JOINTS.
4. ALL WALL BASE TO RECEIVE ALUMINUM TILE TRIM. REFER TO WALL BASE DETAIL, THIS PAGE.
5. 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.
6. REFER TO SPECIFICATIONS FOR A LIST OF PREFERRED FLOORING INSTALLERS.
7. GC TO PROVIDE 4" HIGH VINYL WALL BASE FIN. NO. 41 TO ALL WALLS THROUGHOUT WAREHOUSE.
8. THE EXISTING FLOOR SLAB WILL BE FLAT TO FF50 AND FL40, 72 HOURS AFTER POUR, PROVIDE ANY SELF-LEVELING REQUIRED TO INSTALL TILES TO MEET SPECIFIED FLATNESS TOLERANCES.
9. PROVIDE ON-SITE PAINTED CAUTION ZONES (SOLID PAINTED AREA) WHERE INDICATED ON DWGS. PAINT SHALL BE ARMORSEAL 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.
10. 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
11. ALL RETAIL AREA CONC COLUMNS AND WALLS TO RECEIVE TILE BASE FIN. FL42, 4" HIGH.



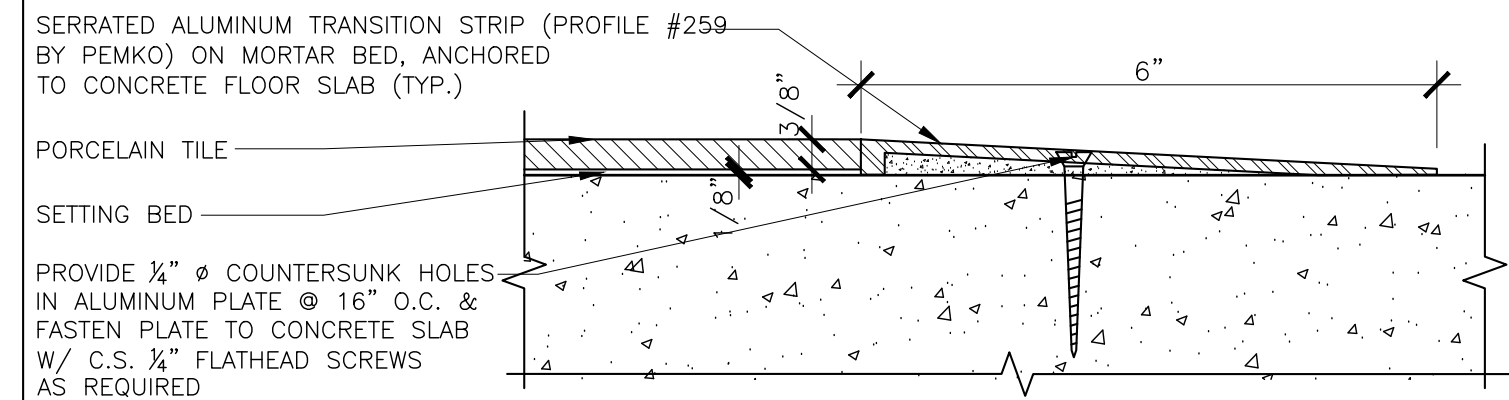
Floor Tile Pattern (30/70)-Typ. 2
Scale: 3/4"=1'-0" A1.03



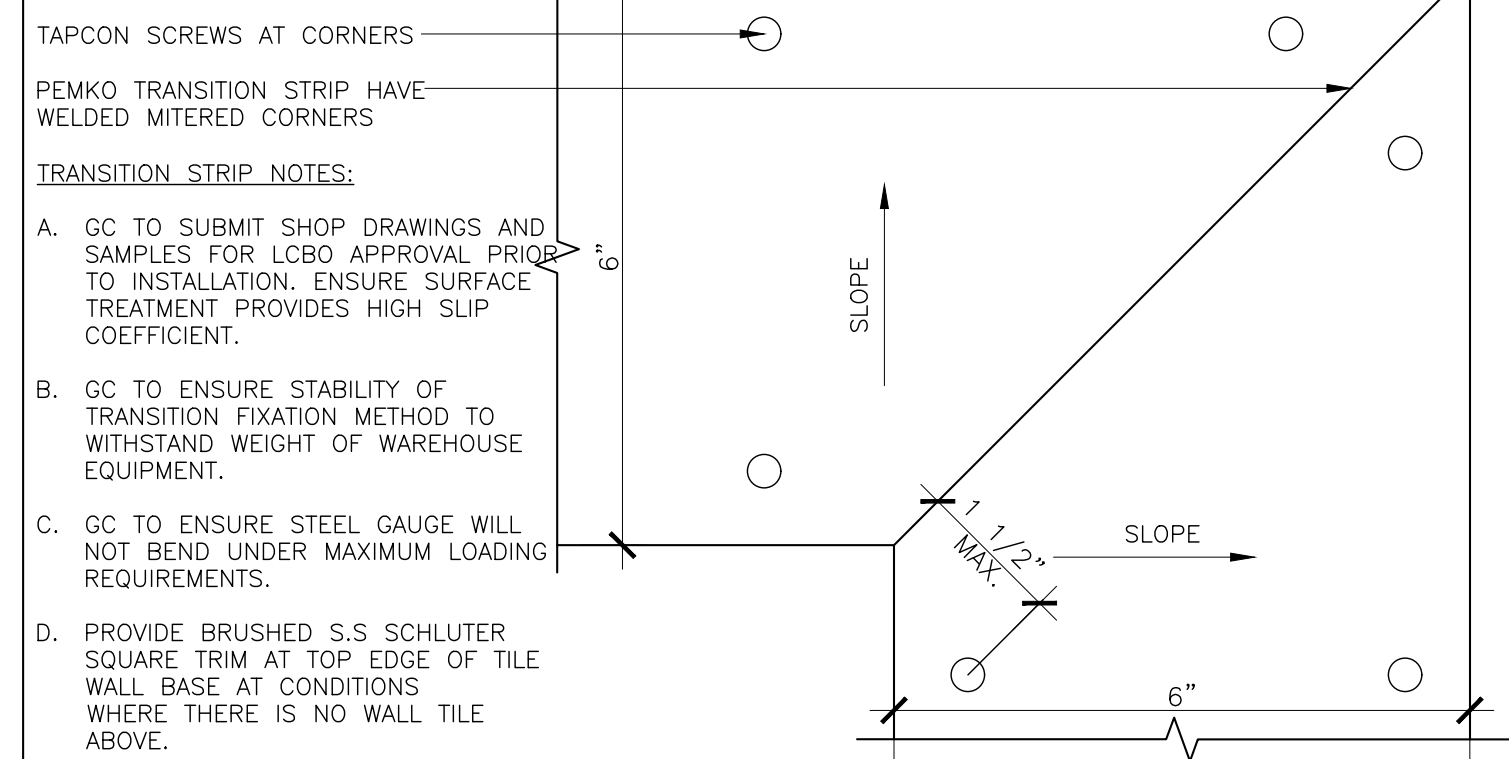
Det'l: TrimDetail at Top of Tile(Typ. 3)
Scale: 6"=1'-0" A1.03



Section Detail:



Plan Detail:



Detail: Floor Finish Transition Strip 4
Scale: 6"=1'-0" A1.03

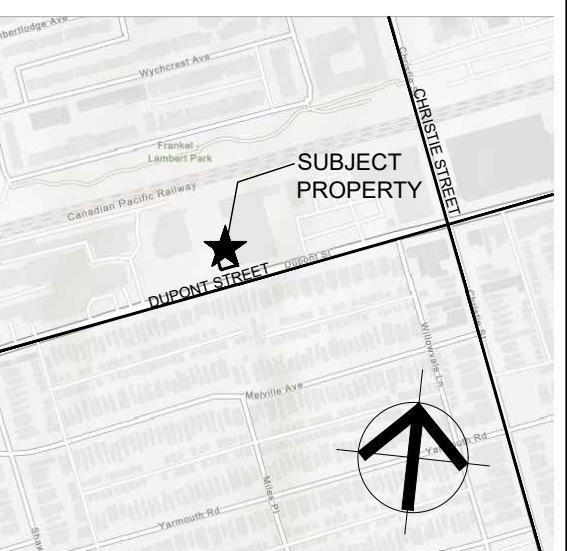
Floor Finishes Plan 1
Scale: 1/8"=1'-0" A1.03



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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.
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8	Feb. 8, 2021	ISSUED FOR PERMIT & TENDER	VBC
7	Jan. 27, 2021	Issued for 90% Drawings Review	VBC
6	Jan. 21, 2021	Re-issued for BB Coordination	VBC
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4	Dec. 22, 2020	Issued for 30% Drawings Review	VBC
3	Dec. 22, 2020	Re-issued for BB Coordination	VBC
2	Nov. 6, 2020	Issued for BB Coordination	LG
1	Oct. 27, 2020	Issued for Consultant Review	LG
Rev.: Date:		Description:	Initial

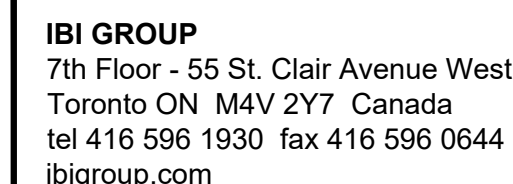


ISSUED FOR PERMIT & TENDER
Issued for:
Feb. 8, 2021
Issue Date:
125569 1/8" = 1'-0" VG
Project No.: Scale: Drawn by: Checked by:

LCBO Store No.668
Interior Fit-Up
740 Dupont St.
Toronto, ON

Project:
Floor Finishes Plan

Drawing Title:
A1.03
Sheet No.:



LCBO STORE #668
740 Dupont Street
Toronto, ON

II BY IV Design
Associates
77 Mowat Avenue,
Suite 109
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M6K 3E3
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General Notes:

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Project No.:	Scale:	Drawn by:	Checked by:

LCBO Store No.668
Interior Fit-Up
740 Dupont St.
Toronto, ON

Project: Fixture and Millwork Itemization Plan

2021 Drawing Title

A1.04



Sheet No.:

LEGEND:

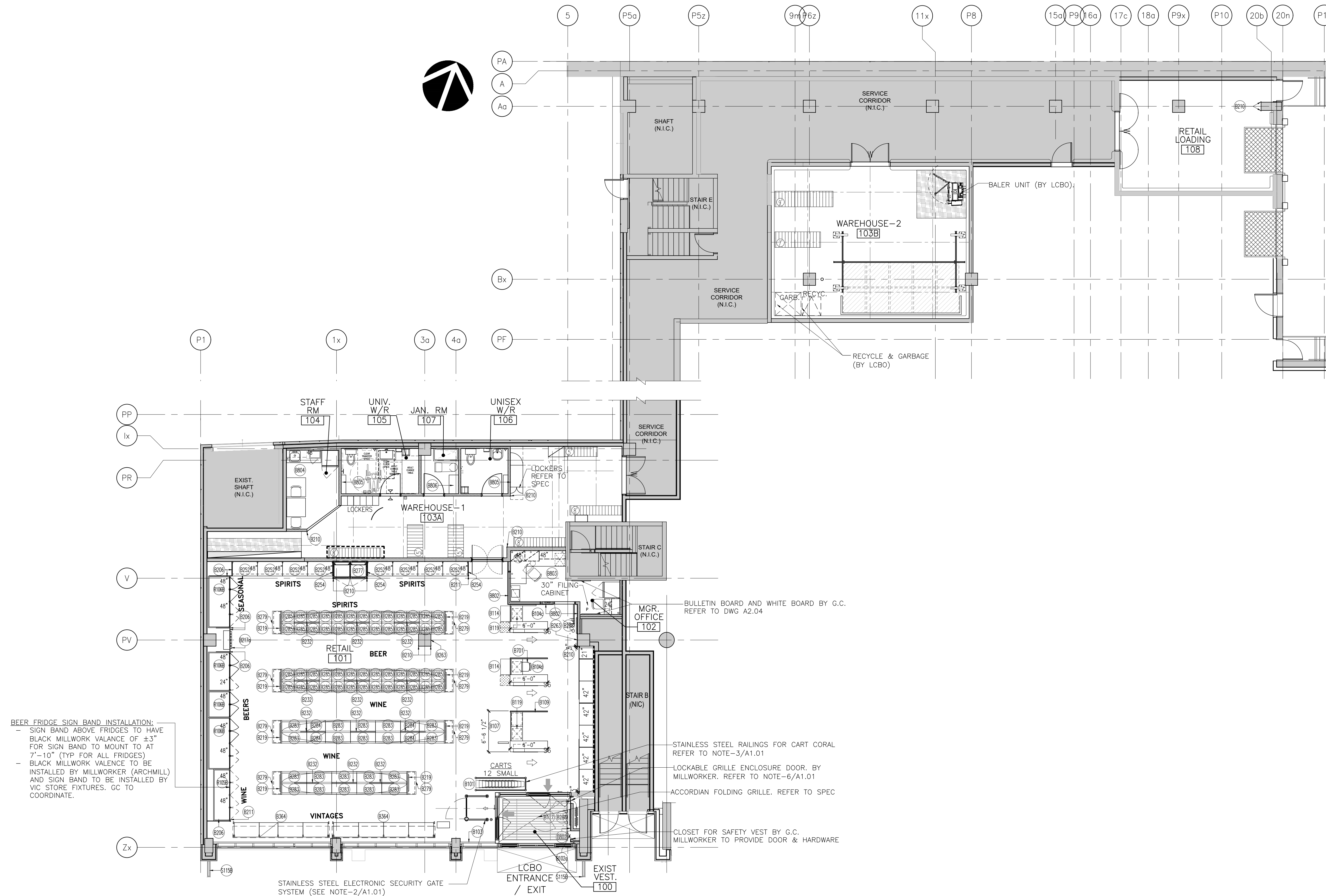
 DENOTES TYP. DISPLAY BASKETS (N.I.C.) SUPPLIED BY LCBO

GENERAL NOTES AND LEGEND:

1. REFER TO CONTEMPORARY STANDARD DETAILS ISSUANCE #1.
2. PROVIDE METAL CORNER GUARDS (AT 4'-0" HIGH) TO ALL OUTSIDE CORNERS IN WAREHOUSE AREA AS SHOWN ON PARTITION PLAN.
3. ALL WAINSCOTING IN VESTIBULE TO BE INSTALLED ON ALL VERTICAL SURFACES AND SHALL EXTEND BELOW WINDOW SILLS WHERE APPLICABLE. SEE STD. DETAIL F802 (TYP.).

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

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



Itemization Plan 1
Scale: 1/8"=1'-0" A1.04

1
A1.0.

GENERAL NOTES:

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

1. REFER TO CONTEMPORARY STANDARD DETAILS ISSUANCE #1.
2. GC IS RESPONSIBLE FOR COORDINATION OF INSTALLATION OF ALL MILLWORK, SHELVING, SIGNAGE, ETC.
3. G.C TO CONFIRM QUANTITIES OF ALL ITEMS NOTED IN THIS LEGEND. REFER TO ITEMIZATION PLAN.
4. INSTALL PRODUCT RISERS (B214, B215, B311 & B312) PER QUANTITIES LISTED ON ITEMIZATION LEGEND.

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

- A. ALL MILLWORK, LIFT TABLE, METAL SHELVING, SIGNAGE, REFRIGERATION, RACKING AND 7'-0" HIGH PAINTED WIRE MESH STEEL CAGE IN STEEL FRAMING SUPPLIED AND DELIVERED BY LCBO. FIT-UP G.C TO COORDINATE INSTALLATION WITH RESPECTIVE VENDORS.
- B. SIGNAGE SUPPLIED AND INSTALLED BY LCBO. G.C TO COORDINATE INSTALLATION.

ITEM #	DETAIL TITLE	QTY.	WORK BY:
	B100 CHECK-OUT AREA/VESTIBULE		
B101	CART CORRAL	AS REQ'D	GC
B102	VESTIBULE COAT STORAGE	-	MW
B102a	VESTIBULE COAT CLOSET	1	GC/MW
B103	WINDOW SILL DETAIL	AS REQ'D	MW
B104	CASH/CHECK-OUT DESK W/ GLASS PARTITION & BASKET WELL	-	MW
B104a	CASH/CHECK-OUT DESK W/ BASKET WELL	-	MW
B104b	CASH/CHECK-OUT DESK W/ BASKET WELL & PLEXI BARRIER ON 2 SIDES	-	MW
B104c	CASH/CHECK-OUT DESK W/ BASKET WELL & PLEXI BARRIER ON 1 SIDE	1	MW
B104d	CASH/CHECK-OUT DESK W/ BASKET WELL & PLEXI BARRIER ON 2 SIDES	1	MW
B105	SMALL FORMAT SAME-DAY PICK-UP COUNTER	-	MW
B106	U-SHAPED CASH/CHECK-OUT DESK W/ BASKET WELL	-	MW
B107	MERCHANDISER FOR U-SHAPED CASH DESK	1	MW
B108	LARGE FORMAT SAME-DAY PICK-UP COUNTER	-	MW
B109	U-SHAPED CUSTOMER SERVICE DESK W/ BASKET WELL ***MODIFIED - SEE PLAN***	1	MW
B110	INFORMATION BOARD	-	MW
B111	DOUBLE-SIDED CORK BOARD	-	MW
B112	FREE-STANDING BOX STORAGE	-	MW
B113	BOX STORAGE	-	MW
B114	CASH DESK MERCHANDISER - TYPE 2	2	MW
B115-B116	RESERVED	-	
B117	GRILLE ENCLOSURE POCKET DOOR PANEL DETAIL	1	MW
B118	RESERVED	-	
B119	LIFT DESK FOR TYP. SINGLE CASH DESK B104	2	SS
B120-B122	RESERVED	-	
B123	METAL BOX STORAGE *** NON-LOCKABLE ***	1	SS
	B200 GENERAL LIST		
B201	4'-0" PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL & METAL TICKET MOULDINGS (7'-6" HIGH)	-	SS/GC/MW
B202	3'-0" PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL & METAL TICKET MOULDINGS (7'-6" HIGH)	-	SS/GC/MW
B203	PERIMETER SHELVING GABLE/FILLER PANEL (7'-6" HIGH)	-	MW
B204-B205	RESERVED	-	
B206	REFRIGERATION GABLE/FILLER PANEL *** 7'-10" HT ***	6	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	2	MW
B209	RESERVED	-	MW
B210	2' x 2' x 32" METAL CORNER GUARD	5	MW
B211	U-SHAPED METAL CORNER (36" HIGH W/ 2" RETURNS)	2	MW
B212-B213	RESERVED	-	
B214	PRODUCT RISER (TYPE A)	-	MW
B215	PRODUCT RISER (TYPE B)	-	MW
B217a	GIFTING WALL FIXTURE - NEW	-	MW
B217b	ECO BAG WALL FIXTURE	1	MW
B218	RESERVED	-	
B219	REMOVABLE GONDOLA P.O.P. FRAME	8	MW
B220	RESERVED	-	MW
B221	4'-0" GONDOLA (3 SHELVES) C/W METAL TICKET MOULDINGS	-	SS
B222	RESERVED	-	
B223	3'-0" GONDOLA (3 SHELVES) C/W METAL TICKET MOULDINGS	-	SS
B224	2'-0" CONVERTIBLE GONDOLA (3 SHELVES) C/W METAL TICKET MOULDINGS	-	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	-	SS
B228	3'-0" GONDOLA (4 SHELVES) C/W METAL TICKET MOULDINGS	-	SS
B229	GONDOLA CATEGORY SIGN	-	MW
B230-B231	RESERVED	-	
B232	4-HIGH GONDOLA CATEGORY SIGN	12	MW
B233	FOOD & DRINK STAND	-	MW
B234	'A'-FRAME FIXTURE	-	MW
B235	RESERVED	-	MW
B236	PORTABLE TASTING BAR	-	MW
B237	'IMPULSE' FIXTURE	-	MW
B238	'DEAL OF THE WEEK' FIXTURE	-	MW
B239	4'-0" SQUARE PROMO TABLE	-	MW
B240	3'-3" MARKETPLACE DISPLAY TABLE	-	MW
B241	NESTING TABLES	-	MW
B242	5'-0" NESTING TABLE	-	MW
B243	3'-0" ENTRANCE TABLE	-	MW
B244	DOUBLE-SIDED GIFT/SPIRITS FIXTURE W/ METAL SHELVES (ILLUMINATED) (7'-6" H.)	-	GC/SS
B245-B246	RESERVED	-	
B247	GONDOLA METAL END CAP PANEL (54" HIGH)	-	SS
B248	RESERVED	-	
B249	GIFT PACKAGING FIXTURE	-	MW
B250	RESERVED	-	
B251	GONDOLA END METAL DISPLAY SHELF W/ METAL TICKET MOULDING (TYPE B)	-	SS
B252	4'-0" PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL & METAL TICKET MOULDINGS (7'-10" H.)	8	SS/GC/MW
B253	3'-0" PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL & METAL TICKET MOULDINGS (7'-10" H.)	-	SS/GC/MW
B254	PERIMETER SHELVING GABLE/FILLER PANEL (7'-10" H.)	3	MW
B255-B256	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)	-	GC
B260	RESERVED	-	
B261	METAL GONDOLA PROMO END	-	GC/MW
B262	DOUBLE-SIDED GIFT/SPIRITS FIXTURE W/ METAL SHELVES (ILLUMINATED) (7'-10" H.)	-	GC/SS
B263	MILLWORK ENCLOSURES AROUND BASE-BLDG COLUMNS AT GONDOLAS	2	MW
B264-B266	RESERVED	-	
B267	PERIMETER COLUMN FEATURE (HALF)	-	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	-	SS
B272	3-HIGH 36" PERIMETER METAL SHELVING UNIT W/ WOOD TICKET MOULDING	-	SS
B273	3-HIGH 24" PERIMETER METAL SHELVING UNIT W/ WOOD TICKET MOULDING	-	SS
B274-B276	RESERVED	-	
B276	1-MODULE GENERAL LIST PERIMETER LOCKABLE DISPLAY (7'-10" H.)	-	MW
B277	2-MODULE GENERAL LIST PERIMETER LOCKABLE DISPLAY (7'-10" H.)	1	MW
B278	3-MODULE GENERAL LIST PERIMETER LOCKABLE DISPLAY (7'-10" H.)	-	MW
B279	METAL GONDOLA END (NARROW) - GENERAL LIST	8	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	20	SS
B284	4-HIGH 3'-0" METAL FLOOR GONDOLA (NARROW) - GENERAL LIST	4	SS
B285	4-HIGH 2'-0" CONVERTIBLE FLOOR GONDOLA (NARROW) - GENERAL LIST	52	SS
B286	DOUBLE-SIDED GIFTS/SPIRITS FIXTURE W/ FRONT & BACK CANOPY ILLUMINATION	-	GC/SS
B287	DOUBLE-SIDED GIFTS/SPIRITS FIXTURE W/ FRONT CANOPY ILLUMINATION	-	GC/SS

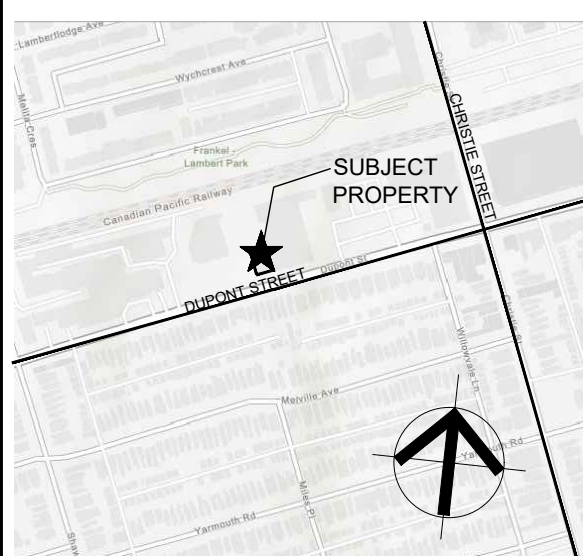
ITEM #	DETAIL TITLE	QTY.	WORK BY:
	B300 VINTAGES		
B301	4'-0" VINTAGES PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL (7'-10" HIGH)	-	SS/GC/MW
B302	3'-0" VINTAGES PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL (7'-10" HIGH)	-	SS/GC/MW
B303	VINTAGES PERIMETER SHELVING GABLE/FILLER PANEL	-	MW
B304-B305	RESERVED	-	
B306	VINTAGES CONSULTANT'S DESK	-	MW
B307	VINTAGES THC UNIT	-	GC
B308-B309	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 SHELF	-	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	2	SS
	B400 SERIES		
	B500 VQA		
B501	RESERVED	-	
B502	VQA REMOVABLE GONDOLA P.O.P. FRAME	-	MW
B503-B505	RESERVED	-	
B506	VQA GONDOLA SIGNAGE - TYPE A (4-HIGH)	-	MW
B507	RESERVED	-	
B508	VQA GONDOLA SIGNAGE - TYPE B (4-HIGH)	-	MW
B509-B510	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	-	SS
B520	4-HIGH 4'-0" METAL FLOOR GONDOLA	-	SS
B521	4-HIGH 3'-0" METAL FLOOR GONDOLA	-	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	-	SS/GC
B602	3'-0" WALK-IN COLDRM PERIMETER METAL SHELVING UNIT C/W FASCIA PANEL	-	SS/GC
B603	WALK-IN COLDROOM END PLINTH	-	SS
B604	WALK-IN COLDROOM END CAP PANEL	-	SS
B605	WALK-IN COLDROOM GONDOLA END DISPLAY SHELVES	-	SS
B606	GONDOLA REMOVABLE P.O.P. FRAME	-	SS
B606a	WALK-IN COLDROOM GONDOLA W/ ILLUMINATED P.O.P. FRAME	-	SS/GC
B607	WALK-IN COLDROOM GONDOLA CATEGORY SIGN	-	SS
B608	WALK-IN COLDROOM CONVERTIBLE GONDOLA (4 SHELVES) C/W METAL TICKET MOULDINGS	-	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 CABLES	-	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	RESERVED	-	
B722	'CELEBRATION' FIXTURE W/ LED ILLUMINATION	-	GC/SS
B722a	'CELEBRATION' FIXTURE (NON-ILLUMINATED)	-	SS
B723-B764	RESERVED	-	
B765	STAFF ROOM DVD SHELF	-	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	-	
S101B	SUSPENDED PLEXI-GLASS 'SAME DAY PICK UP' SIGN - CLIENT TO CONFIRM DETAIL-TBD	-	SV
S103B	SUSPENDED PLEXI-GLASS 'SERVICE' SIGN	-	SV
S104B-S114B	RESERVED	-	
S115B	DOUBLE SIDES BLADE SIGN	2	SV
	R100B REFRIGERATION		
R101B-R105B	RESERVED	-	
R104B	PERIMETER WINE REFRIGERATION C/W CONTINUOUS PLAM. FASCIA PANEL & COOLER DOORS (GENERAL PURCHASE AREA)	-	GC/MW
R105B	PERIMETER WINE REFRIGERATION C/W CONTINUOUS METAL FASCIA PANEL & COOLER DOORS (WITHIN BEER ALCOVE)	1	GC
R106B	PERIMETER BEER REFRIGERATION C/W CONTINUOUS METAL FASCIA PANEL & COOLER DOORS	3	GC/MW/SS
	NOTE: REFER TO CONTEMPORARY DETAILS		



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125569 1/8" = 1'-0" VG
Project No.: Scale: Drawn by: Checked by:

LCBO Store No.668
Interior Fit-Up
740 Dupont St.
Toronto, ON

Fixture and Millwork
Itemization Legend

Drawing Title:

A1.05

Sheet No.:

Millwork Itemization Legend

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

1
A1.05

LEGEND:

DENOTES BASE BUILDING WORK

ABBREVIATIONS: FFD: FUNNEL FLOOR DRAIN
FD: FLOOR DRAIN
HD: HUB DRAIN

NOTES:

1. WORK ON THIS SHEET IS BY BASE BUILDING CONTRACTOR (UNLESS NOTED OTHERWISE), AND IS FOR REFERENCE OF THE FIT-OUT GC.

2. NOTE USED.

3. LOCATIONS OF ALL IN-FLOOR SERVICES MUST BE SITE VERIFIED BY THE LCBO PRIOR TO INSTALLATION OF ROUGH-INS.

4. LANDLORD GC TO SEAL AROUND PENETRATIONS WITH FIRE-STOP MATERIAL AS REQUIRED.

5. ALL PIPES SHOWN IN WALLS TO BE CENTERED ON WALL.

6. A) LCBO 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.

7. LCBO GC TO SEAL AROUND PIPES & CONDUITS PENETRATIONS.

8. 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 AREAS (ALL AREAS FOR CONCRETE FINISH FLOOR) ARE TO BE SET FLUSH WITH THE T/O CONCRETE SLAB.

9. 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.

10. PER LCBO'S LBRR, ALL EXIST. AND NEW DEMISING WALLS SHALL BE PROVIDED WITH EXPANDED SECURITY METAL MESH AND SOUND ATTENUATION.

11. LL TO PROVIDE ACCESS PANEL DOOR IN COLUMN ENCLOSURES (IF APPLICABLE) AT LOW LEVEL. FOR ACCESS TO ANY VERTICAL PIPE CLEAN-OUT (ABOVE 4" AFF TO ALLOW FOR WALL BASE INSTALLATIONS).

12. PROVIDE HUB DRAINS FOR FUTURE LCBO REFRIGERATION.

13. THE COORDINATION PLAN SHALL BE REVIEWED BY THE BASE BUILDING STRUCTURAL ENGINEER. ALL PROPOSED CORES BY TENANT TO BE REVIEWED AND APPROVED BY THE ENGINEER. REPORT FINDINGS TO THE LCBO PROJECT COORDINATOR.

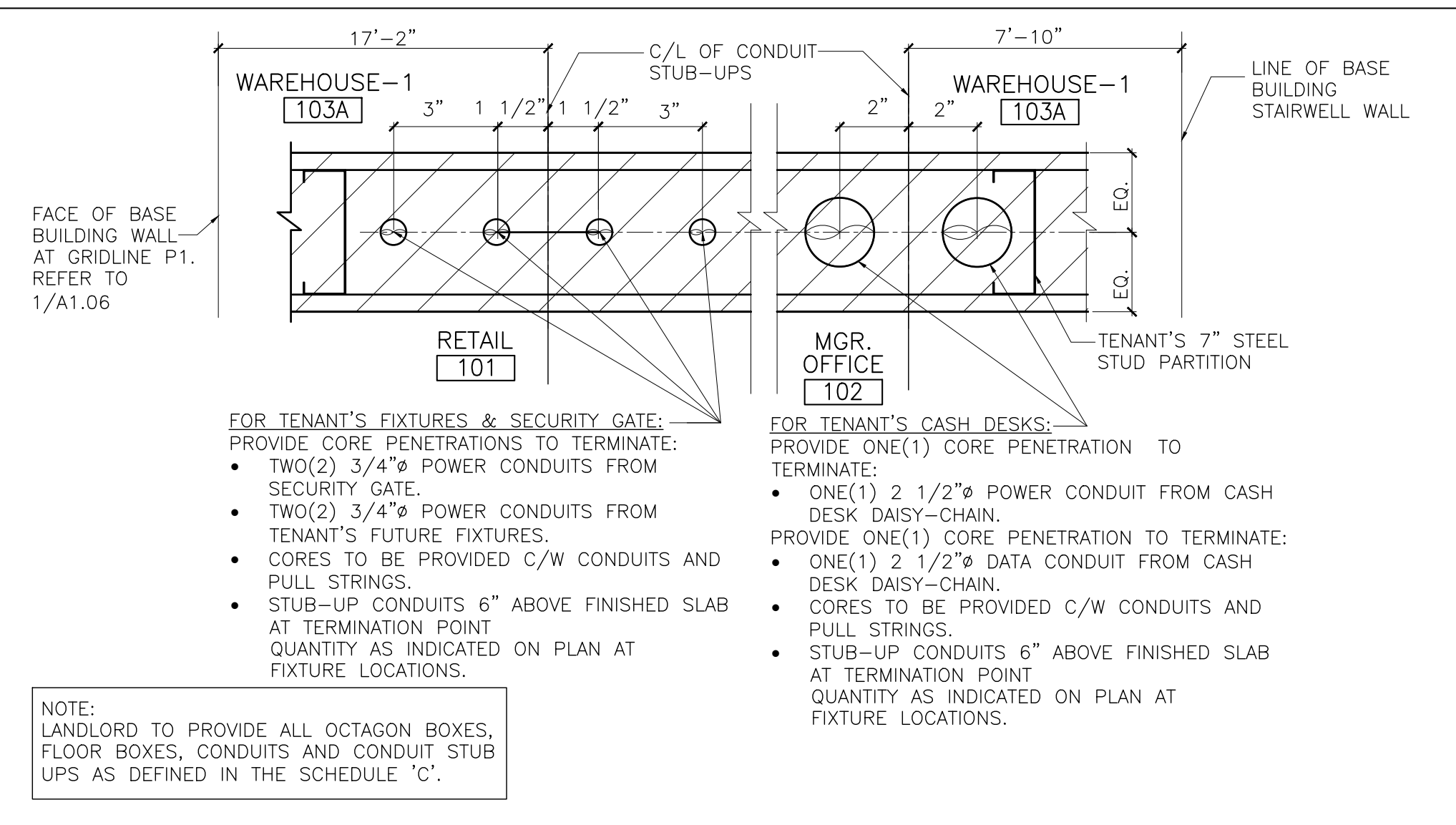
14. LANDLORD TO PROVIDE BURGLAR PREVENTION BARS, MIN. 3/8" DIA. BARS AT MAX 8" O.C. FOR ANY WALL PENETRATIONS SUCH AS OUTDOOR AIR LOUVRE AND EXHAUST AIR LOUVRE.

15. RESERVED.

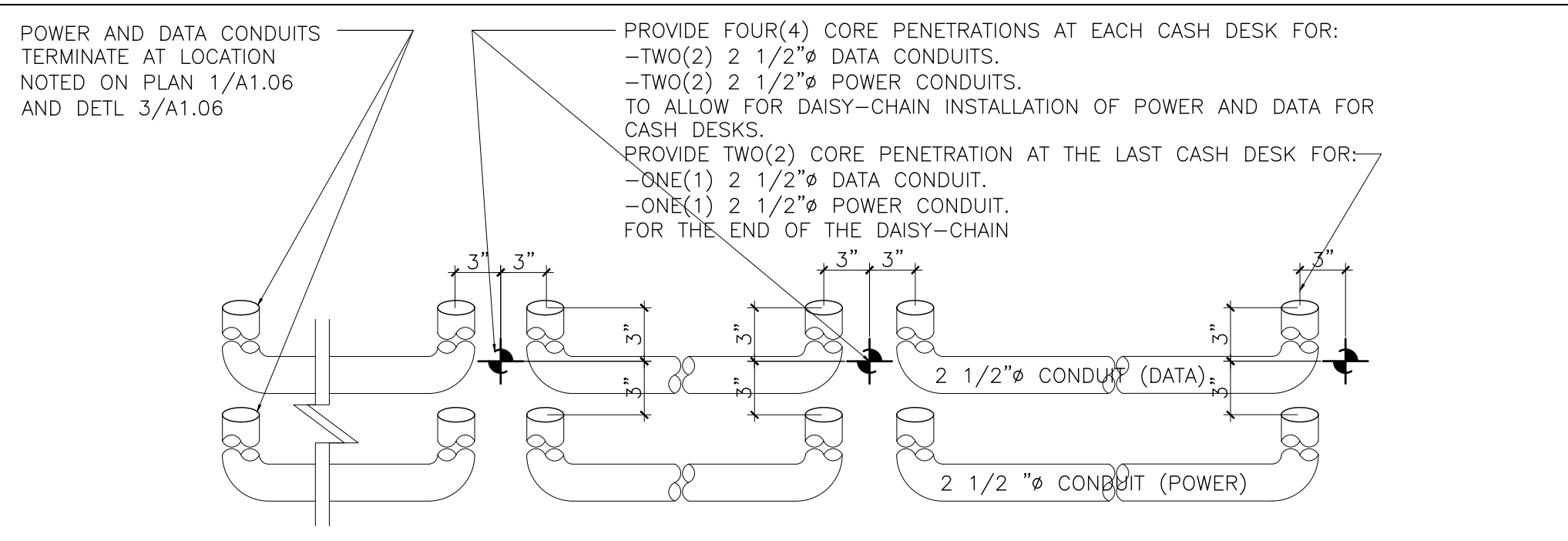
16. BASE BUILDING ENGINEER TO SPECIFY ALL PLUMBING SIZES. EXACT DIMENSIONED LOCATIONS OF CORES AND FURTHER DETAILS PROVIDED BY THE TENANT VIA COORDINATION PLAN (EXCEPT FOR PLUMBING VENT LOCATIONS, WHICH ARE ULTIMATELY DETERMINED BY THE BASE BUILDING CONTRACTOR ON SITE). ALL PLUMBING VENTS SHALL BE TIGHT TO BASE BUILDING WALL.

17. ANY REQUIRED DRAINS/CLEANOUTS IN TENANT'S RETAIL AREA SHALL BE COORDINATED WITH LCBO SUCH THAT THEY ARE PLACED BENEATH THE TENANT FIXTURES.

18. LL TO REFRAIN FROM LOCATING FLOOR DRAINS AND CLEANOUTS IN TENANT OPEN TRAFFIC AREAS OF WAREHOUSE. WHERE ABSOLUTELY REQUIRED, THEY SHALL BE COORDINATED WITH LCBO METAL SHELVING AND LOCATED BENEATH SUCH SHELVING.



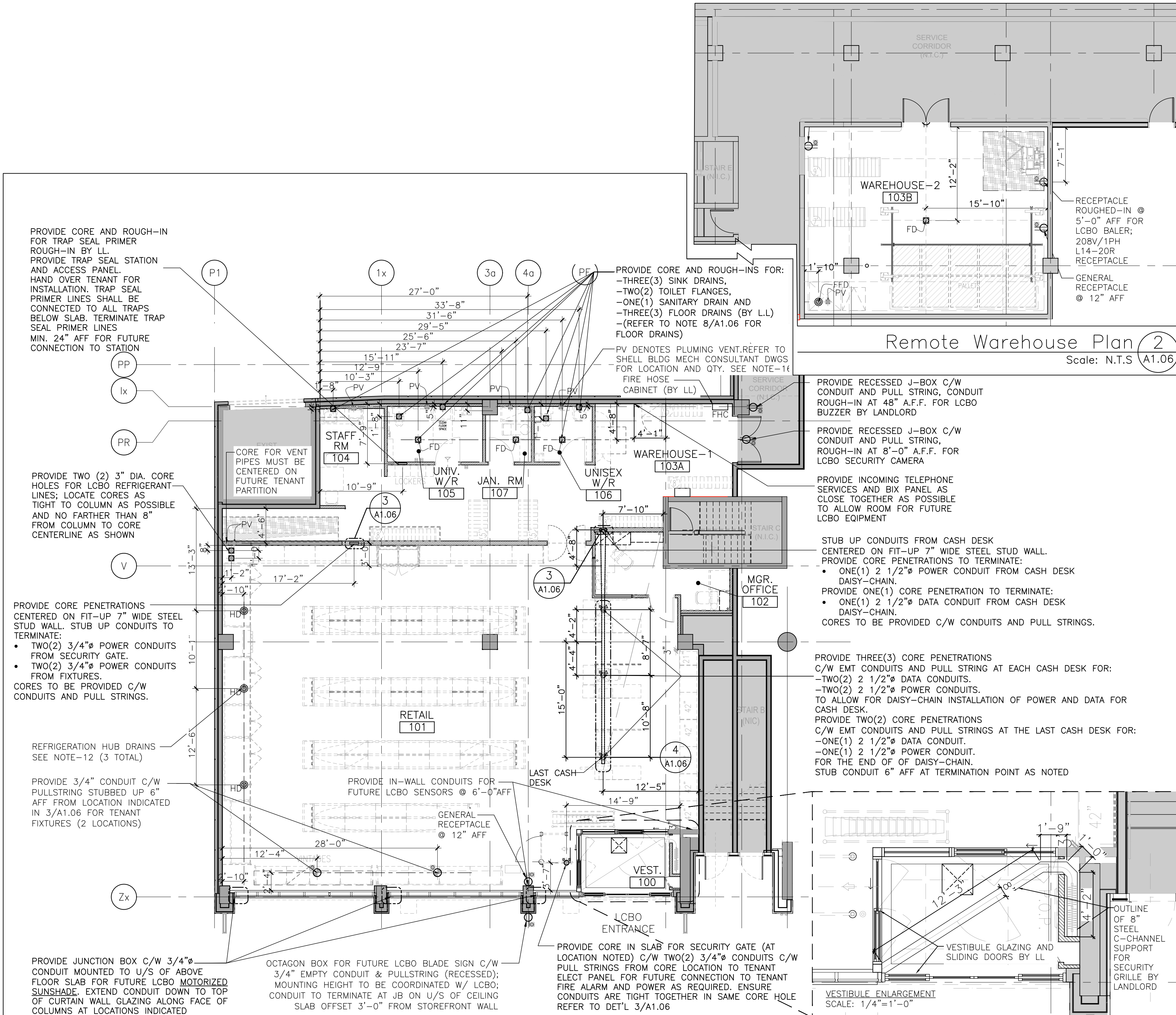
Plan Detail: Core and Conduit Termination for Power and Data Requirement (FOR REFERENCE) Scale: 3" = 1'-0" A1.06



Detail: Conduits at Cash Desk Slab Penetrations and Rough-Ins (FOR REFERENCE) Scale: 1 1/2" = 1'-0" A1.06

Customer: LCBO Store #668										Store location: 740 Dupont Street, Toronto, ON																										
Store ambient:										Outside ambient:																										
Sys. No.	Department	Lineal Feet	12"	10"	8"	6"	4"	Doors	Case/Coil model	Cap.	TEMP. CONTROL	Case/Coil Amps 115V			Def.	Amper/Volt	Suction temp	Ambient temp	Unit model	Disconnect Switch	Unit capacity	M.C.A. Amps	Max. Overcurrent Protection	Volts	Refrig	C/OB Reviewer (No)	Decide Rating @ 3 inches	T-H-R	Lineal feet	Liquid line	Suction line	Suction line	Cond. 50'-100'		System Notes	
												Amb.	Fans	Lights																			Dishdrain	Liquid		
1	R106	34			3	1	1	17	ORBH	8.585	BTA	7.7	1.7	2.72	OT	—	+30°F	100°F	KEZAD10HS-H62D (ZS09KAE-PFV)	30a	11.30	20	25	208-240-1-40	R435A	11.0	—	16.2	—	50'	3/8"	7/8"	5/8"	—	—	200 lbs 36-1/4"L x 30-7/8"W x 27-5/8"H

Tenant Refrigeration Schedule, Condensing Unit Specifications 5 Scale: N.T.S A1.06



Coordination Plan 1 Scale: 1/8"=1'-0" A1.06

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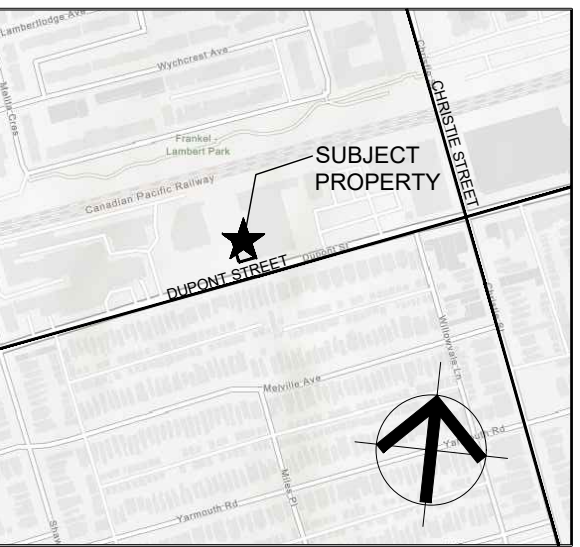
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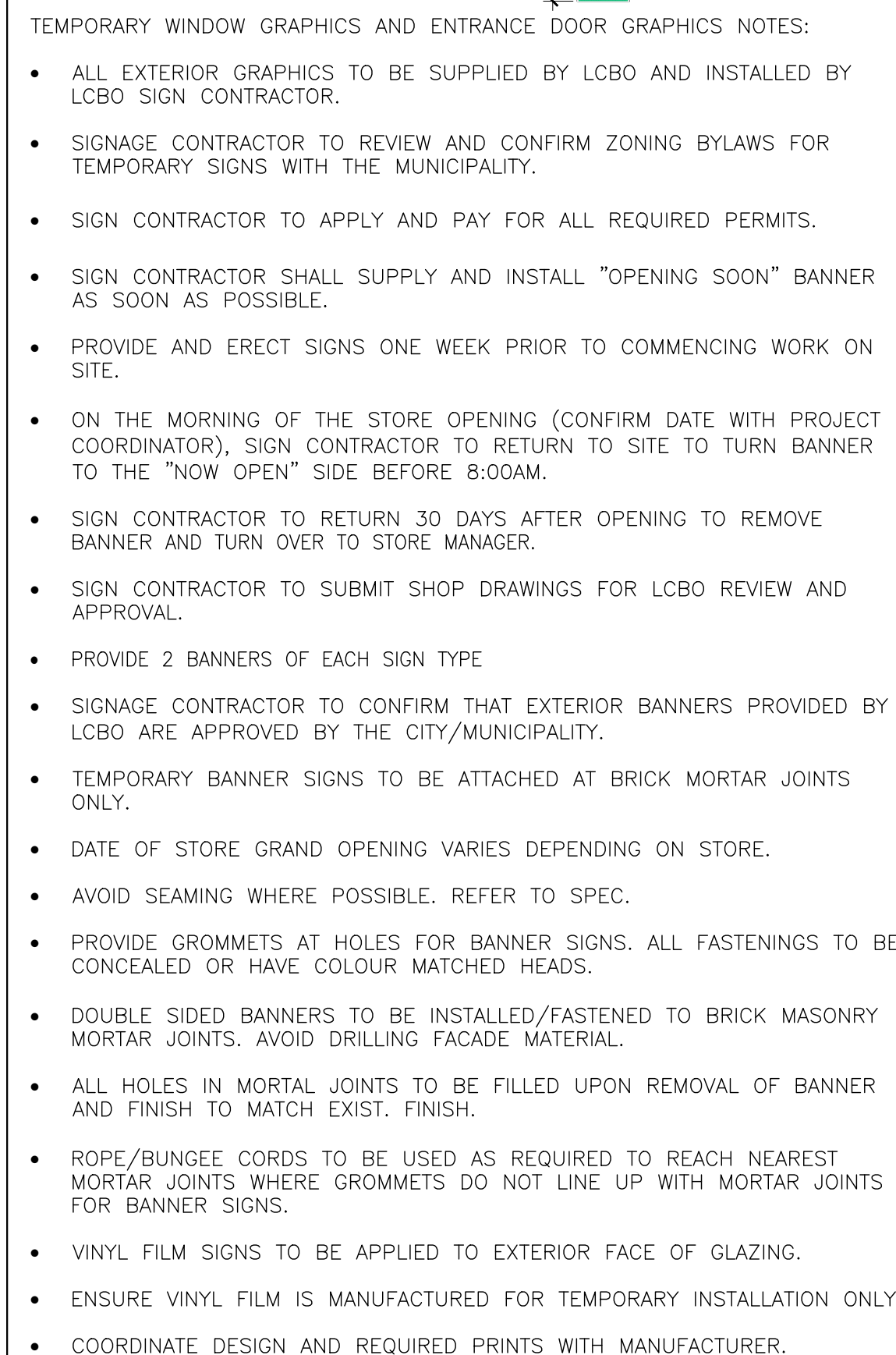
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Rev. / Date:		Description:	Initial



ISSUED FOR PERMIT & TENDER
Issued for:
Feb. 8, 2021
Issue Date:
125569 1/8" = 1'-0" VG
Project No.: Scale: Drawn by: Checked by:
LCBO Store No.668
Interior Fit-Up
740 Dupont St.
Toronto, ON
Project:
Base Building Services
Coordination Plan and
Refrigeration Schedule
Drawing Title:
A1.06

Sheet No.:



1. SIGNAGE MANUFACTURER TO CONFIRM ALL FONTS, ARTWORK, MATERIALS, FINISHES AND CONSTRUCTION OF 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 36" HIGH ILLUMINATED CHANNEL LETTERS TO BE MOUNTED ON TOP OF EXISTING BUILDING OVERHANG (VERIFY W/ SITE CONDITION), LANDLORD TO PROVIDE STRUCTURAL SUPPORT TO HOLD SIGNAGE
 - FABRICATED ALUMINUM LETTERS W/ 3/16" WHITE ACRYLIC FACES COVERED W/ 3M 3735-60 WHITE
 - 1" MYLAR TRIM CAP W/ FIN. BLACK
 - 1/16" THK x 5" DP ALUMINUM CHANNEL CANISTERS W/ PAINT FIN.
 - BLACK
 - CENTER LOOP OF LETTER "B" TO BE HOLLOW
 - INTERNAL WHITE LED - ALANSON STORMTIGHT II LED ACLW-CW2 W/ WATERPROOF TRANSFORMERS 6500K
 - 3"x3" BLACK METAL FRAME FOR UTILITY SERVICES

3. LCOB SIGNAGE CONTRACTOR SUPPLY AND INSTALL BILINGUAL "OPEN", SIGNS TO BE SUSPENDED FROM CURTAIN WALL GLAZING SYSTEM (REFER TO ELECT.) G.C. TO COORDINATE WITH RESPECTIVE VENDOR.
4. EXTERIOR DISPLAY BANNERS AND HARDWARE SUPPLIED AND INSTALLED BY LCOB. G.C. TO COORDINATE WITH LCOB WITH RESPECTIVE VENDOR.
5. SPANDREL GLASS: ICD COATING OPAOI COAT NO. 300 #3-967 "BLACK GREY" VITRO CLEAR (6mm) ICD COATINGS, T: 360-464-2286
LANDLORD TO PROVIDE GLASS SAMPLE W/ SPANDREL COLOUR APPLIED FOR LCOB CONSTRUCTION COORDINATOR'S APPROVAL.
6. 10" INTERNAL LUTY CHANNEL LETTER MOUNTED ON TOP OF EXISTING BASE BUILDING OVERHANG. LANDLORD TO CONFIRM & PROVIDE SUPPORT TO HOLD SIGNAGE.
 - "WINE-SPIRIT-BEER", and "VINS-SPIRITUEUX-BIERES" TEXT IN WHITE ACRYLIC FACES COVERED W/ 3M 3735-60 WHITE
 - 1" MYLAR TRIM CAP W/ FIN. BLACK
 - 1/16" THK x 5" DP ALUMINUM CHANNEL CANISTERS W/ PAINT FIN. BLACK
 - INTERNAL WHITE LED - ALANSON STORMTIGHT II LED ACLW-CW2 W/ WATERPROOF TRANSFORMERS 6500K
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NEW 2-SIDED EXT. BLADE
SIGN S115 (LED
ILLUMINATED - QTY:2
TOTAL).

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Sheet No.:

Exterior Elevation — South 1
Scale: 1/8"=1'-0" (A2.00)

LEGEND:

DENOTES BASE BUILDING WORK

HATCH INDICATES 'CHANGE IN WALL PAINT FINISH

GENERAL NOTES:

1. REFER TO FINISHES SCHEDULE DWGS A4.00 & A4.01 FOR ALL MATERIAL SPECIFICATIONS.

2. A. PROVIDE PAINT FIN. PT.20 TO ALL GENERAL RETAIL AREA WALLS (UNLESS OTHERWISE NOTED).

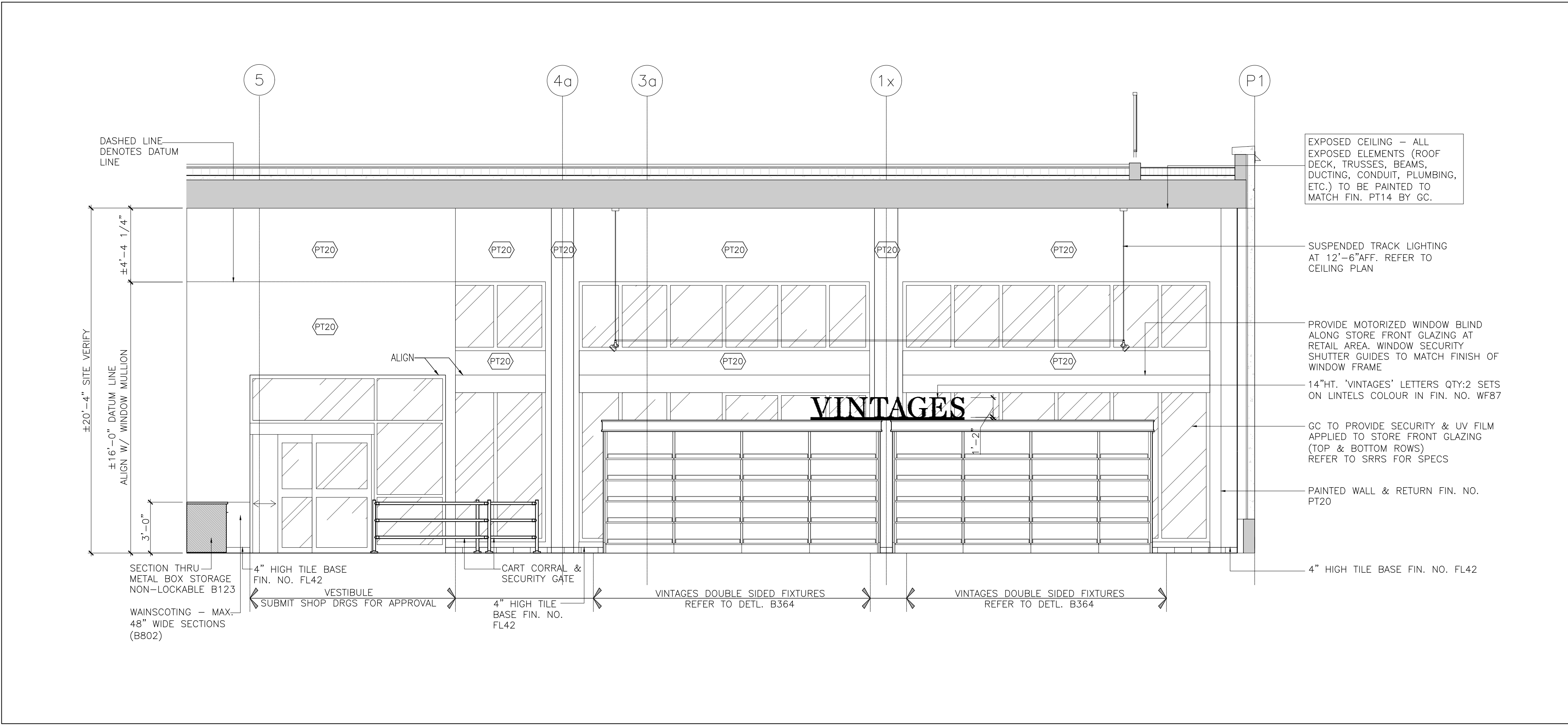
B. PROVIDE PAINT FIN. PT25 TO WALL AREA TO RECEIVE BEER STYLE MUIRAL AND GRAPHIC VINYL, REFER TO ELEVATIONS FOR LOCATIONS. APPLY ANTI-FUNGAL PAINT ON WALLS IMMEDIATELY BEHIND ALL REFRIGERATION UNITS TO MATCH FIN. PT21 (TYP.).

3. ALL SUSPENDED LINEAR LIGHT FIXTURES(REFER TO RCP FOR MOUNTING HEIGHTS), TRACK LIGHTS TO BE SECURED TO UNISTRUT. ALL UNISTRUT & THREADED RODS SECURED TO U/S OF EXIST CONC FLOOR SLAB AND PAINTED FIN. PT14 . G.C. TO SUPPLY AND INSTALL ALL UNISTRUT COMPONENTS REQUIRED TO SUSPEND ALL LIGHT FIXTURES/SIGNAGE/LIGHTING.

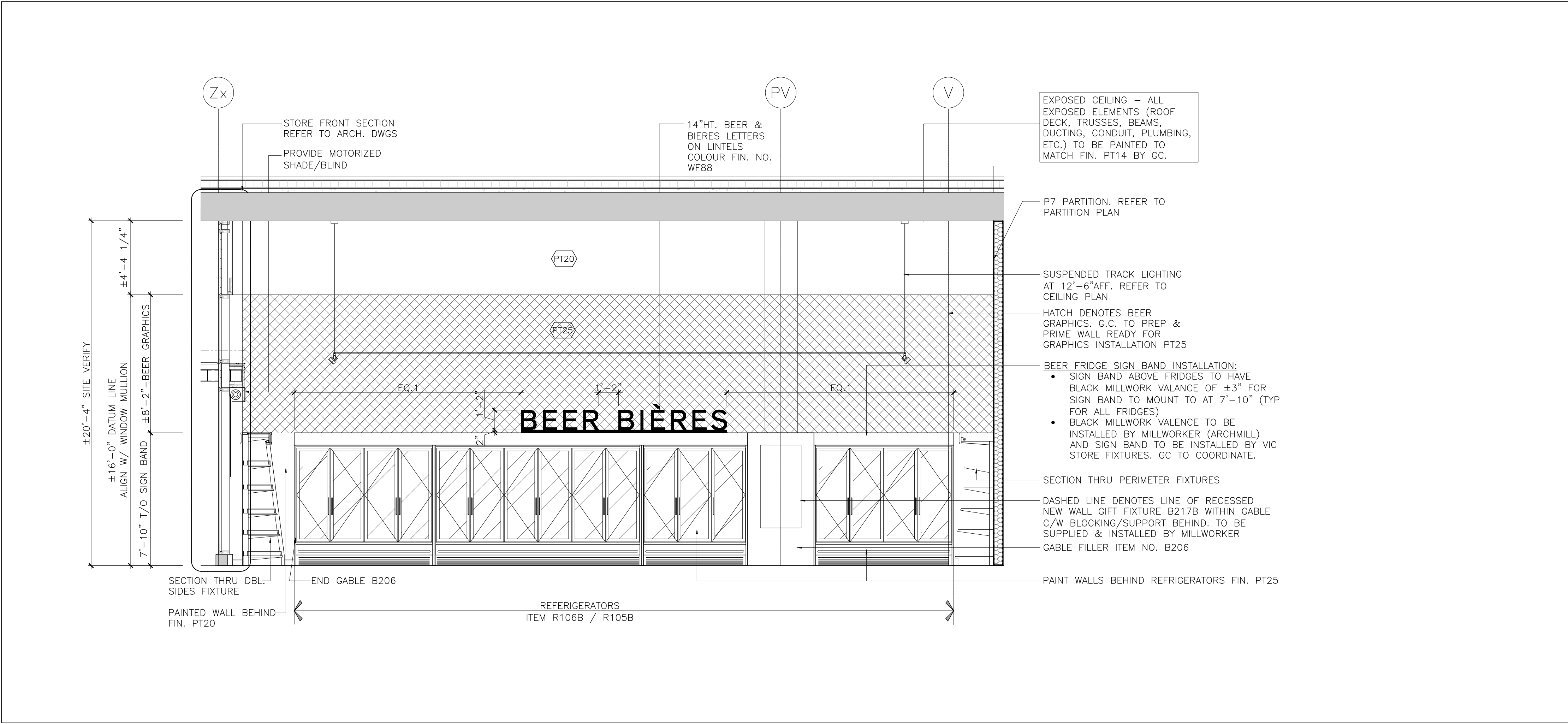
4. PROVIDE CONTROL JOINTS IN INTERIOR GWB PARTITIONS (RETAIL AND WAREHOUSE). THE DISTANCE BETWEEN CONTROL JOINTS IN WALLS SHALL NOT BE MORE THAN 30'-0". PROVIDE CONTROL JOINTS ON DEMISING WALLS BETWEEN WAREHOUSE AND RETAIL. THE CONTROL JOINTS SHALL BE ON BOTH SIDES OF THE DEMISING WALL.

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

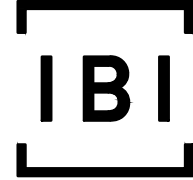
6. 8" HIGH MDF SIGN BAND ABOVE DAIRY DOORS TYP. ENSURE SIGN BAND ABOVE DAIRY DOORS ALIGNS WITH ADJACENT FIXTURES – CRITICAL (7'-10" HIGH).



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



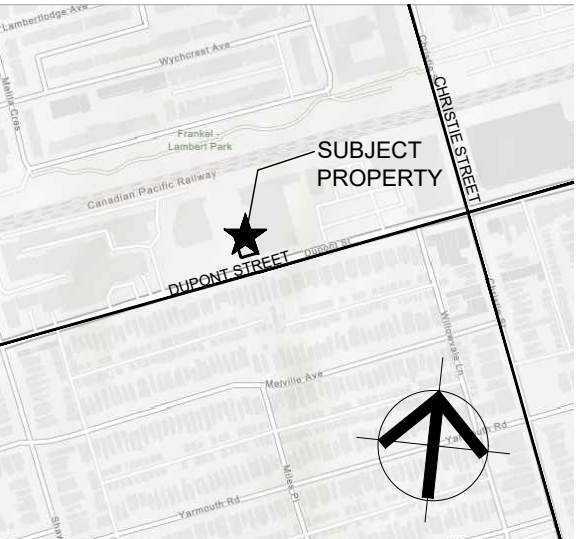
Interior Elevation 1
Scale: 1/4"=1'-0" A2.01



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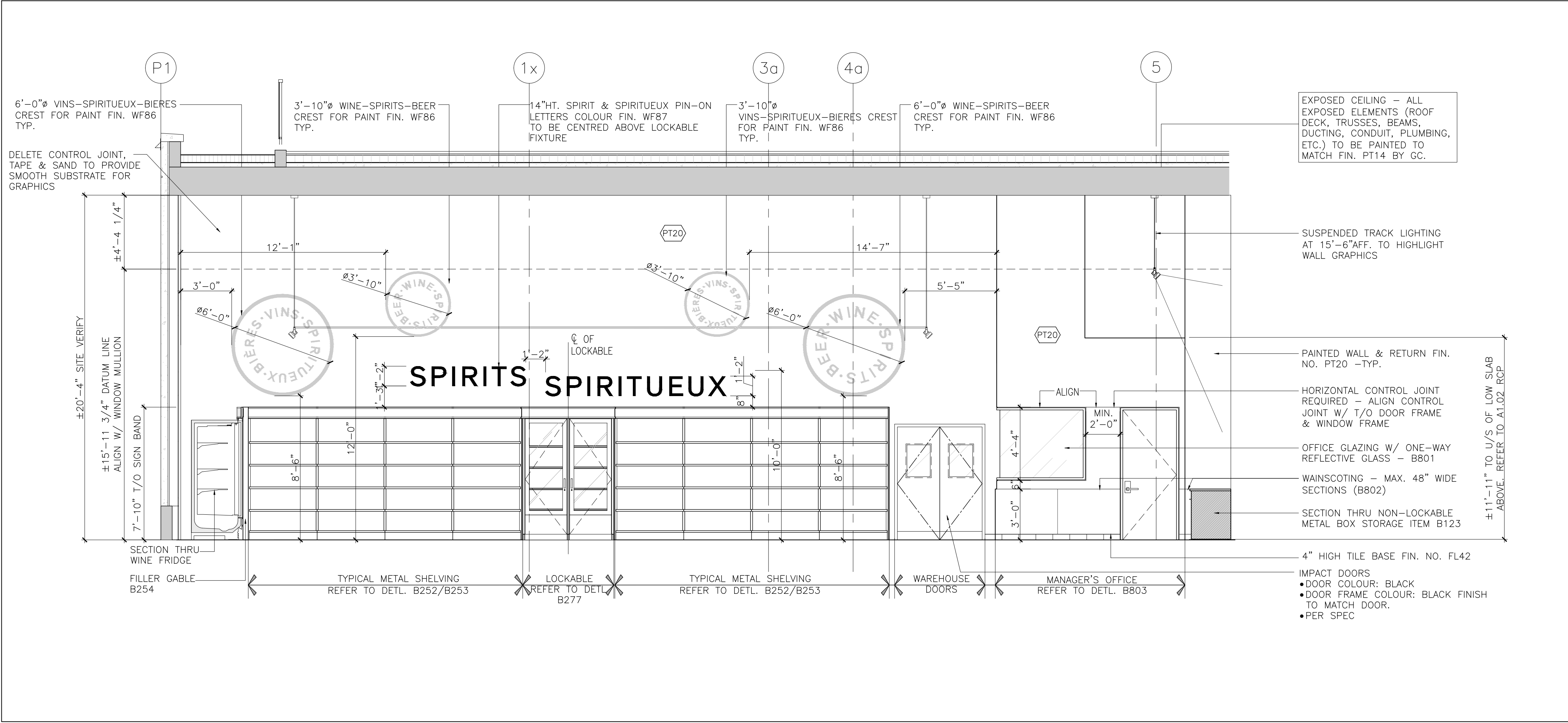


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Project No.: 125569
Scale: 1/4" = 1'-0"
Drawn by: VG
Checked by:

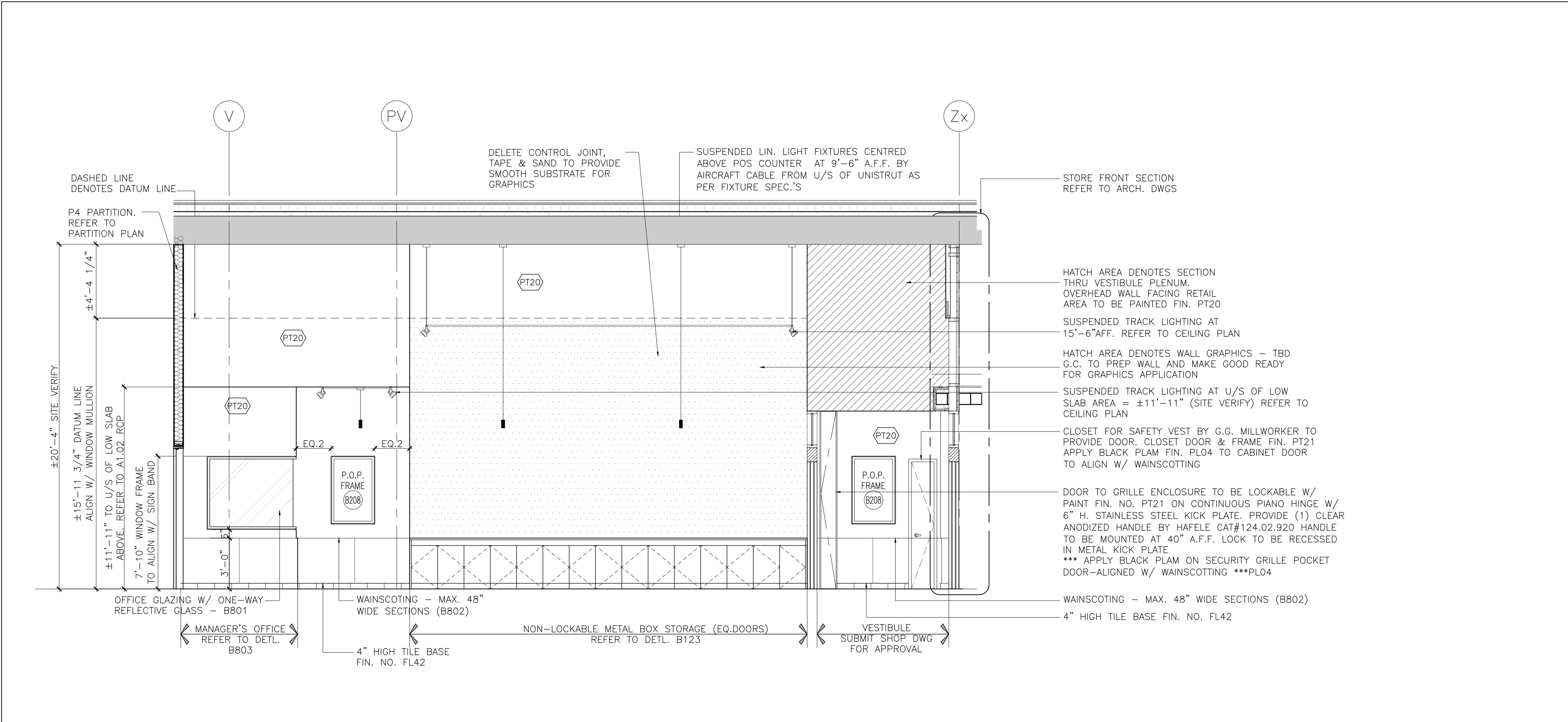
LCBO Store No.668
Interior Fit-Up
740 Dupont St.
Toronto, ON

Project:
Interior Elevations

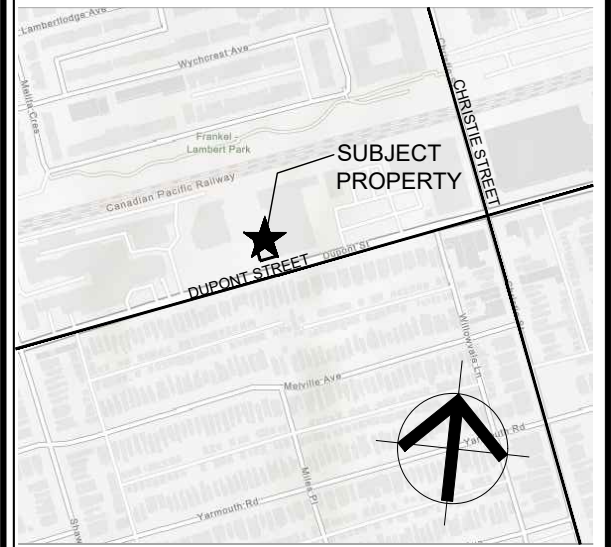
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A2.01
Sheet No.:



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



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



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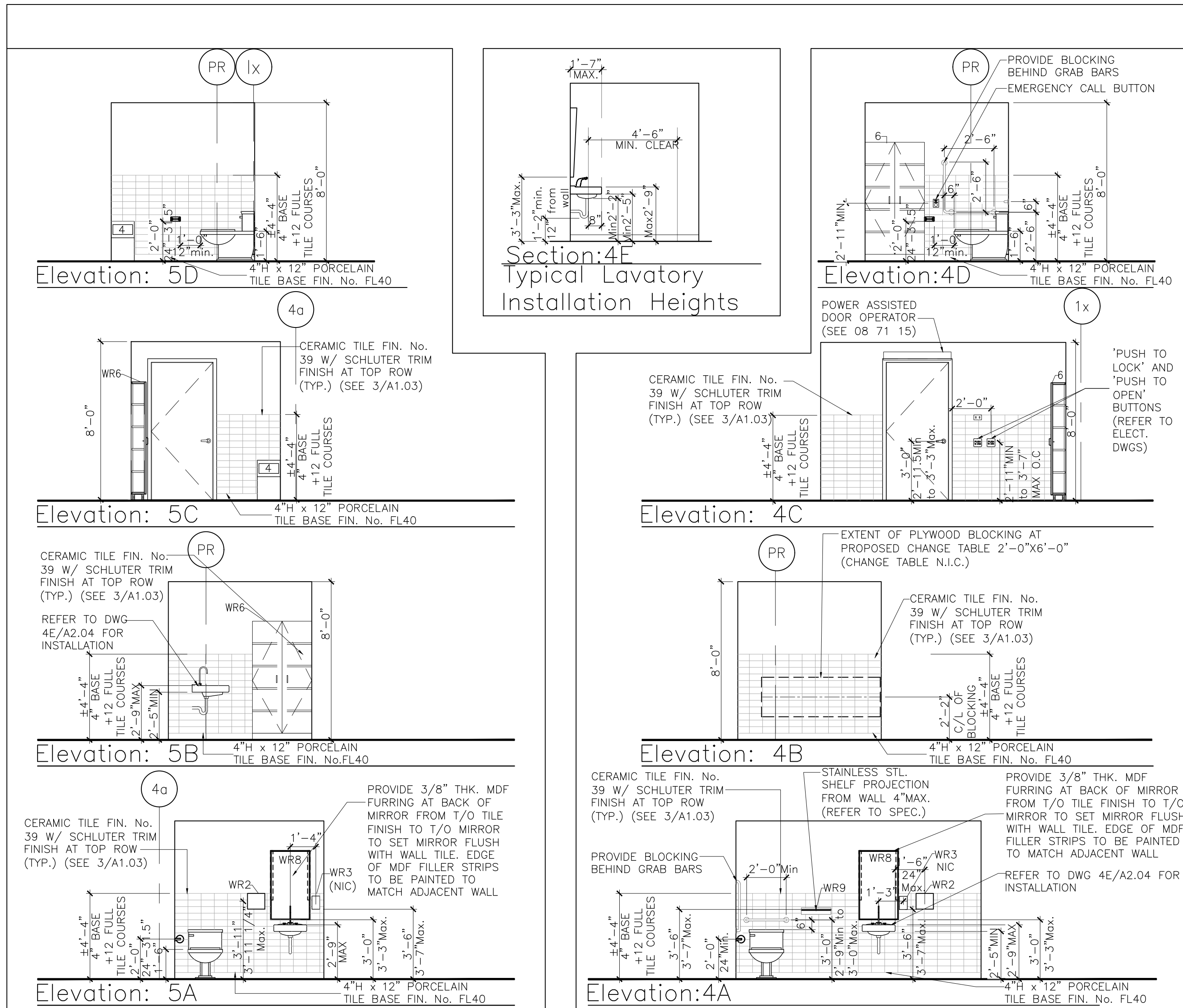
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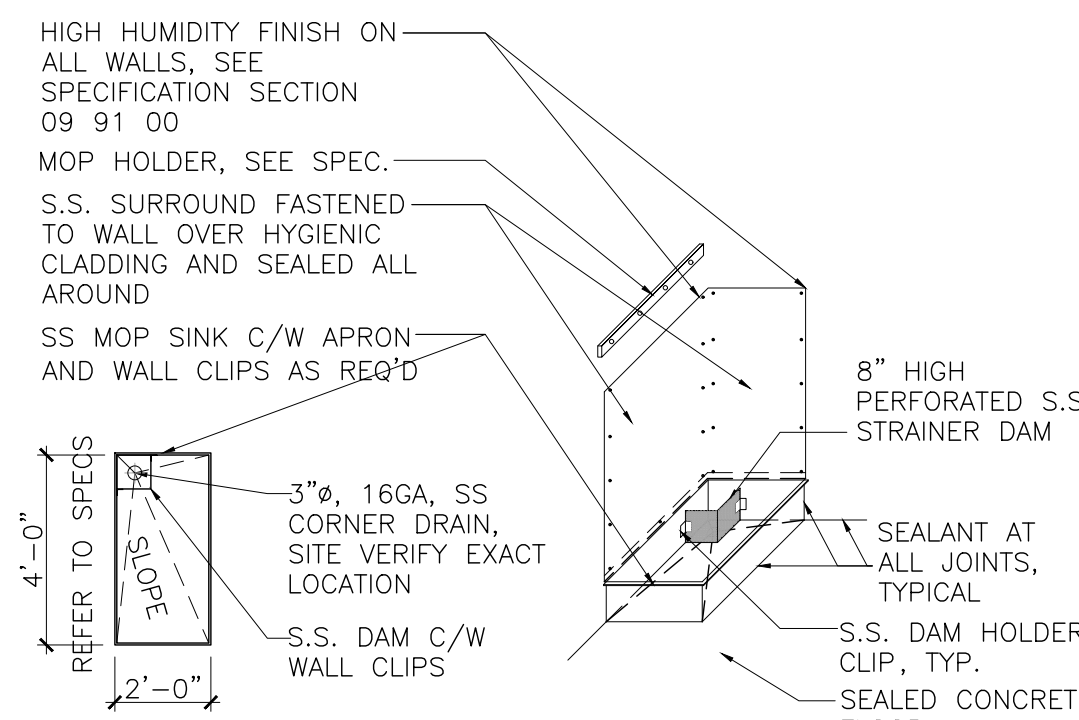
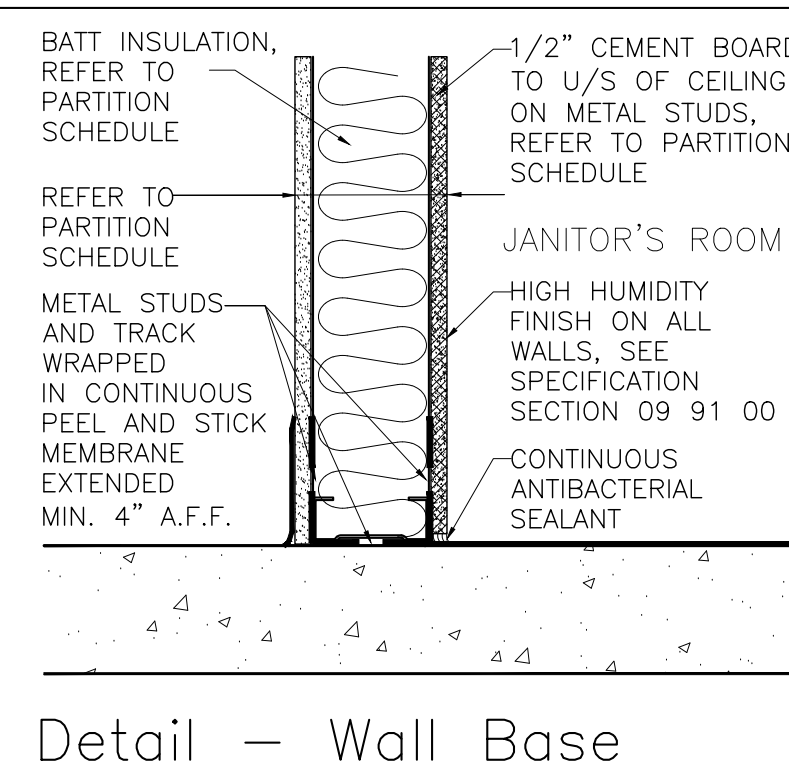
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125569	1/4" = 1'-0"	VG	
Project No.:	Scale:	Drawn by:	Checked by:

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Toronto, ON

Project:
Interior Elevations



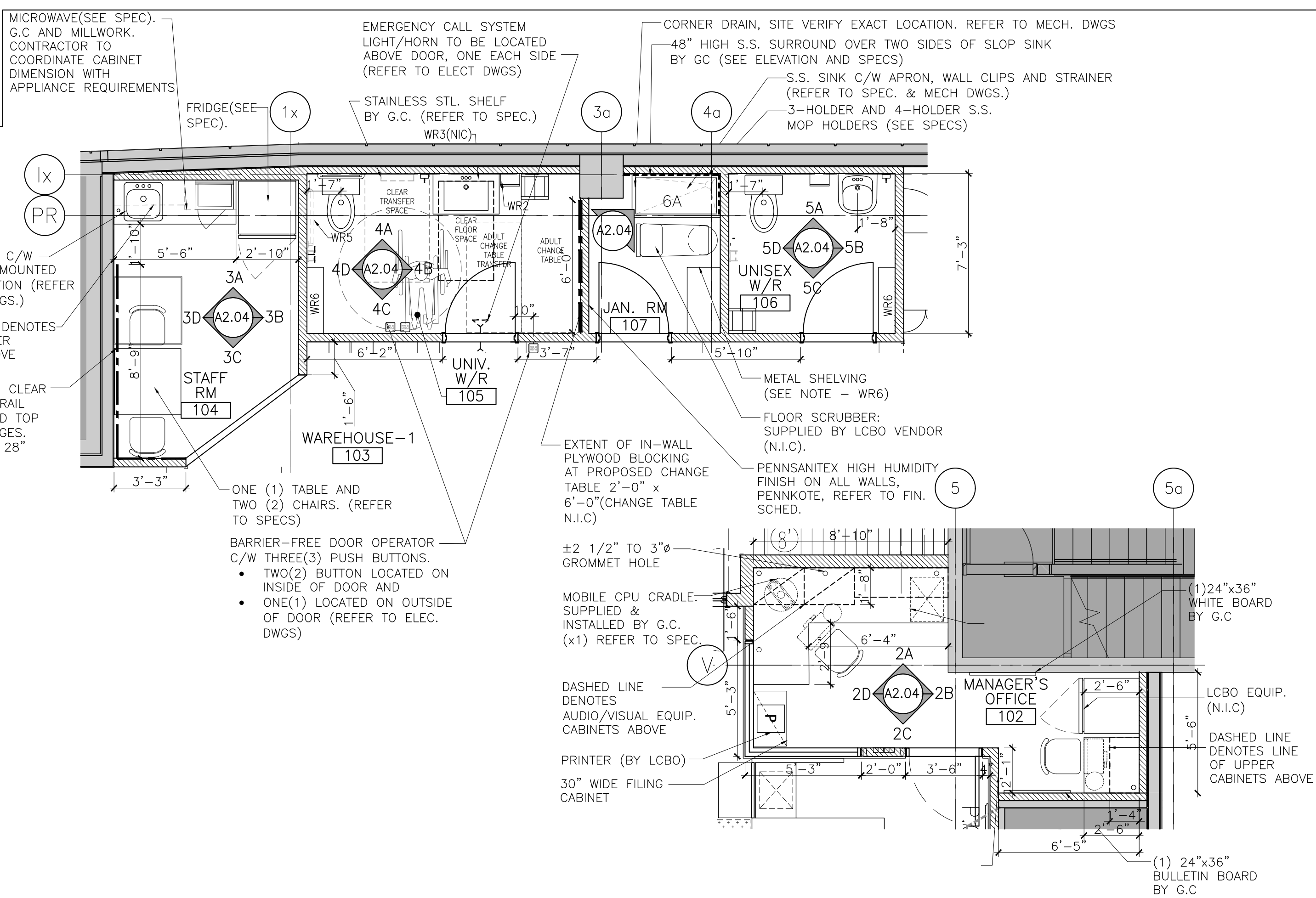
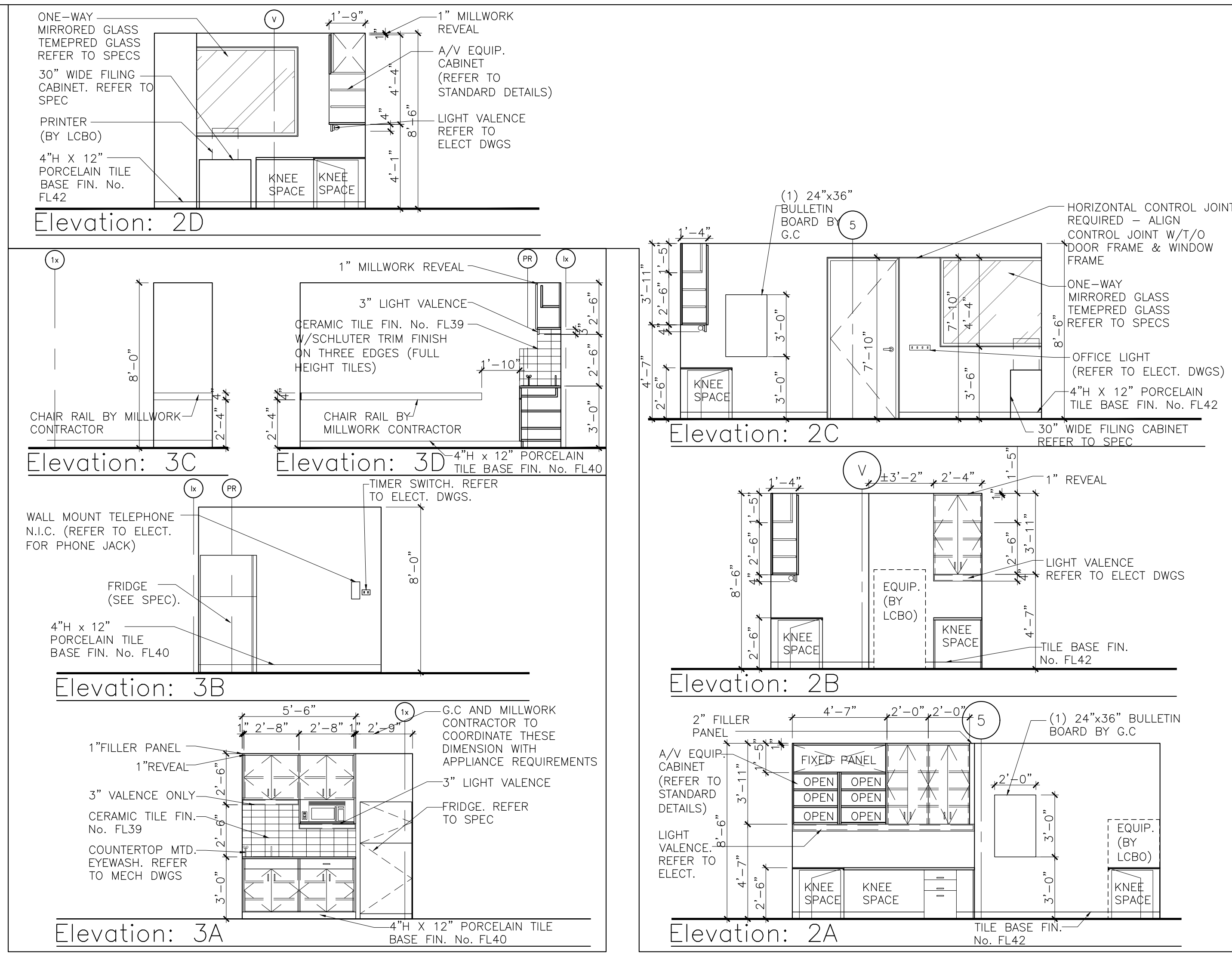
- JANITOR CLOSET ACCESSORY LEGEND:**
- HIGH-HUMIDITY FINISH ON ALL WALLS, (SEE SPECIFICATION SECTION 09 91 00)
 - 48" HIGH S.S. SURROUND OVER TWO(2) SIDES OF SLOP SINK BY GC (SEE ELEVATION AND SPECS)
 - FLOOR SCRUBBER BY GC. MODEL: TASKI 755B THROUGH WOOD WYANT OR APPROVED ALTERNATE
 - S.S. FIVE MOP HOLDER BY GC. (SEE SPECS)
 - S.S. SINK C/W APRON, WALL CLIPS AND TRAINER BY GC (SEE SPECS)
 - METAL SHELVING BY GC (SEE SPECS)



- MANAGER'S OFFICE NOTE:**
- TWO(2) CHAIRS, TWO (2) KEYBOARD TRAYS. ONE (1) P.O.S. MOBILE CPU CRADLE. REFER TO ITEMIZATION DWGS #B803. TWO (2) TYPE 'A' FILE CABINETS.
 - 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.)
 - PROVIDE PLYWOOD BLOCKING FOR SUPPORT OF CABINETS AND COMM. BOX AS REQUIRED.

- W/R NOTES:**
- PROVIDE PLYWOOD BLOCKING BEHIND WASHROOM FIXTURES & ACCESSORIES AS REQUIRED
 - COORDINATE LOCATIONS OF WASHROOM ACCESSORIES WITH LCBO PROJECT COORDINATOR.
 - (REFER TO SPECS FOR LIST.
 - OF ALL REQUIRED ACCESSORIES).

- W/R ACCESSORY LEGEND:**
- WR1. GRAB BAR
 - WR2. TOWEL DISPENSER (LOCATED MAX. 24" HORIZONTALLY FROM EDGE OF LAVATORY)
 - WR3. SOAP DISPENSER (N.I.C.): (INSTALLED 3'-7" AFF MAX. WITHIN 1'-7" FROM THE FRONT OF THE LAVATORY.
 - WR4. WASTE RECEPTACLE
 - WR5. TOILET TISSUE DISPENSER
 - WR6. STORAGE CABINET: DET'L F805
 - WR7. DEODORIZER FIXTURE (N.I.C)
 - WR8. 24"x42" TILT MIRROR
 - WR9. S.S. SHELF (BF W/RM)
 - WR10. COAT HOOK (BF W/RM)



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Drawn by: VG
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Toronto, ON
Services Areas:
Plans &
Interior Elevations
Drawing Title:

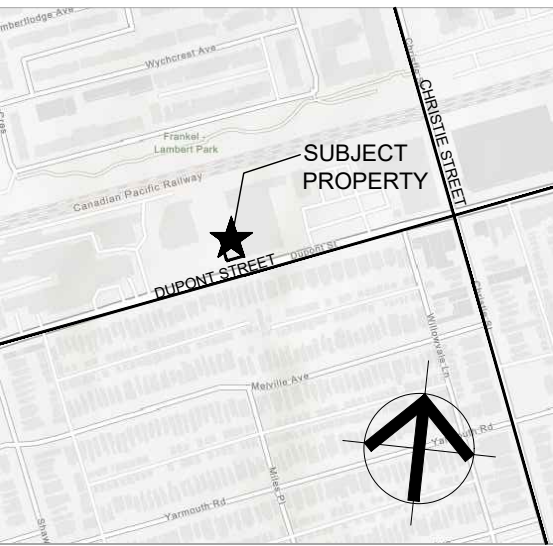
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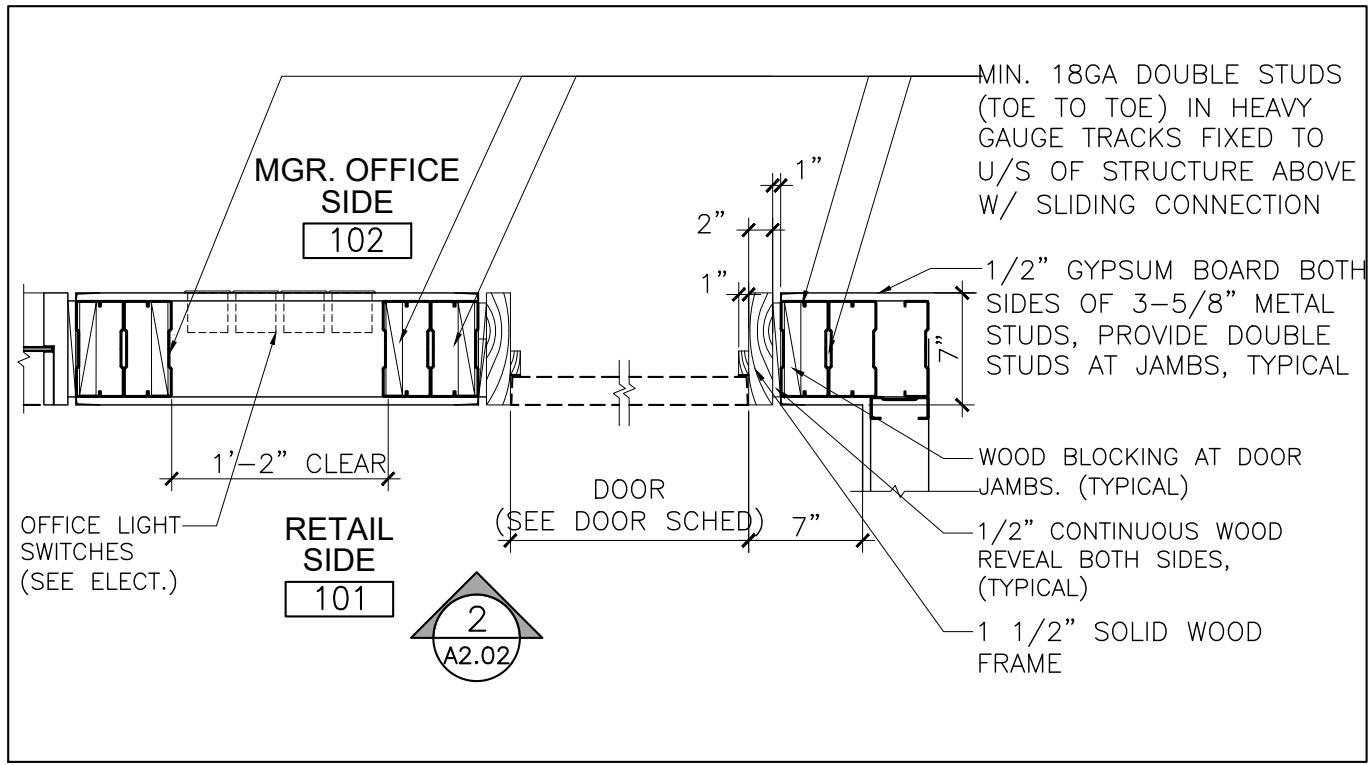
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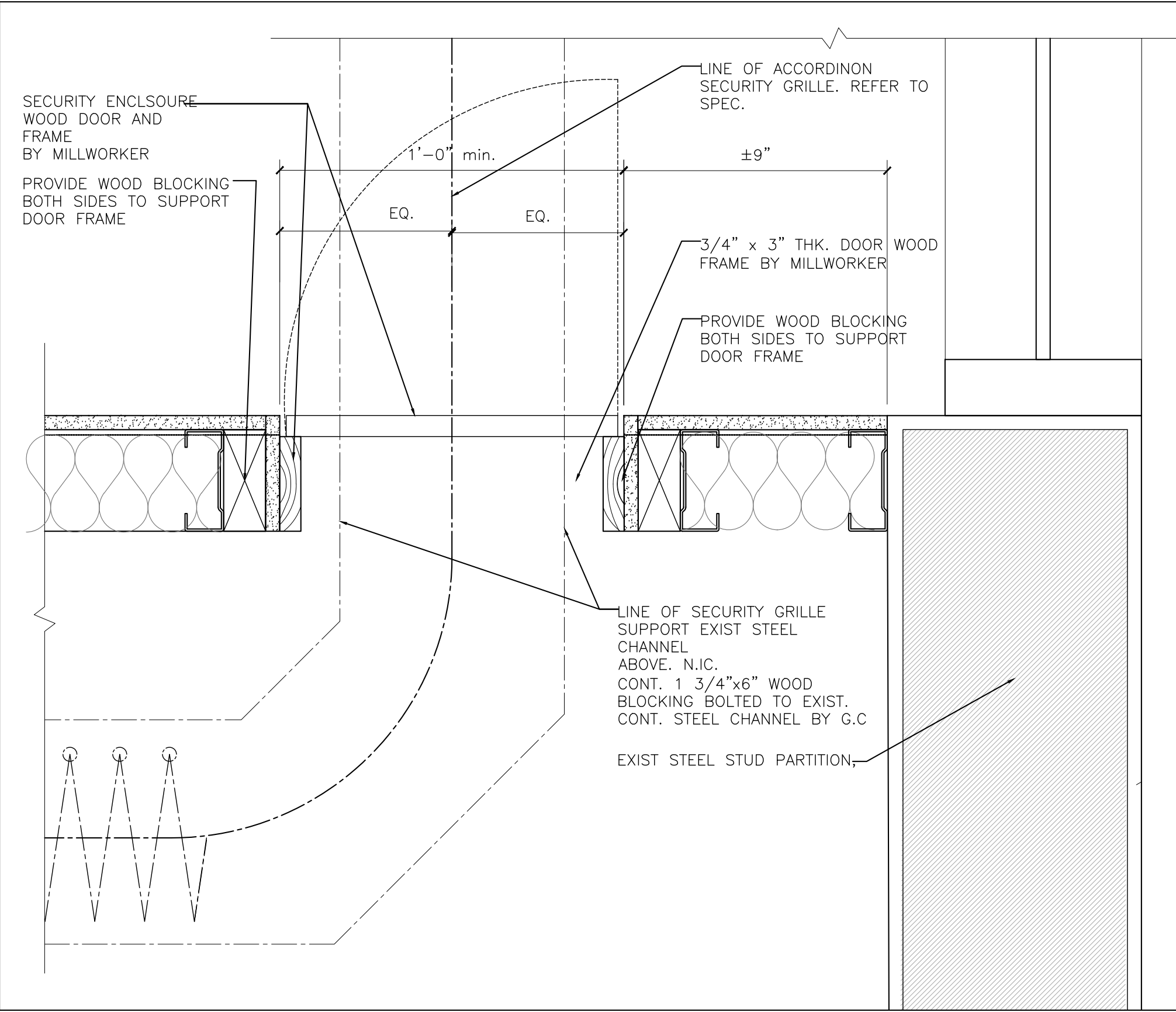


General Notes:

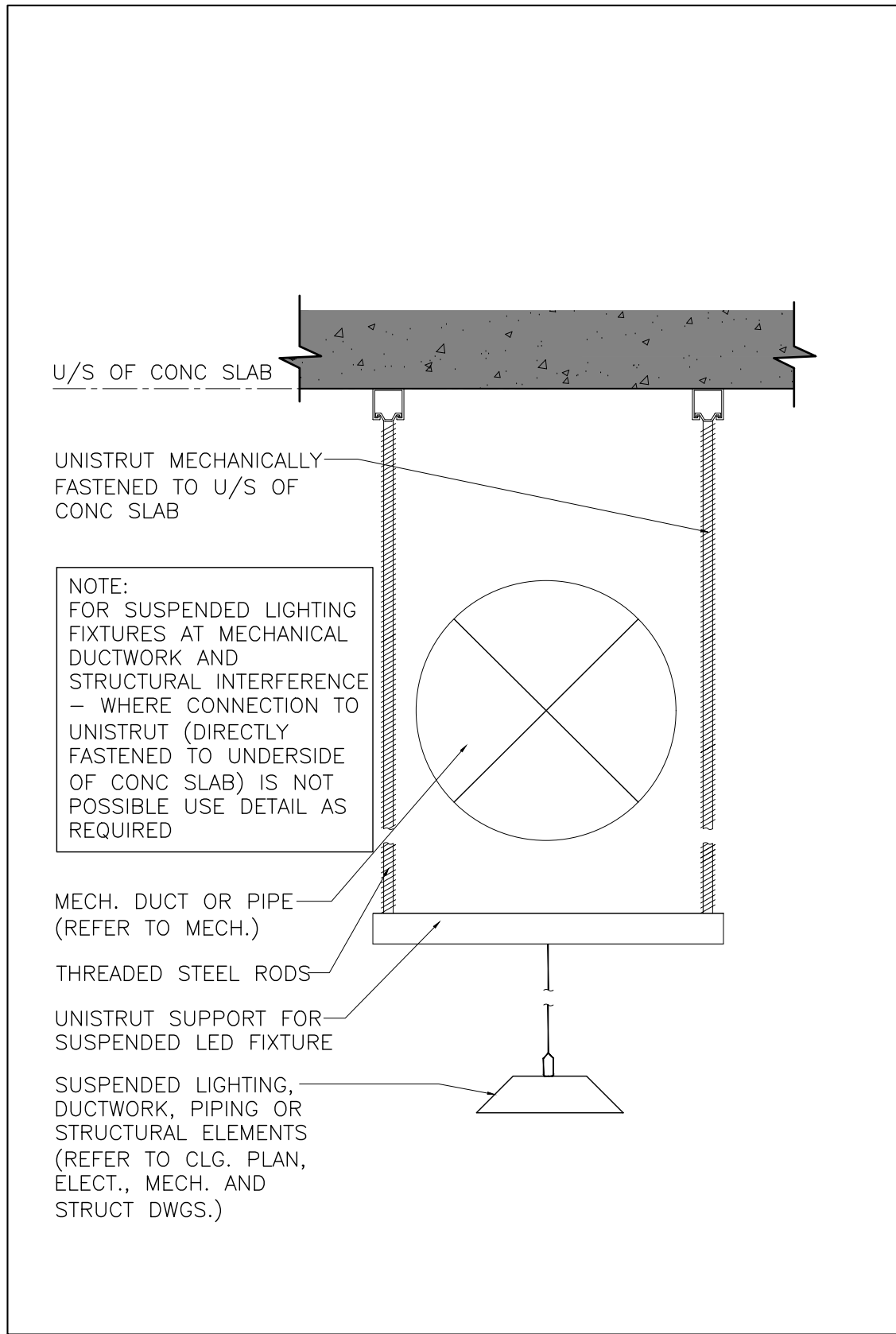
1. ALL DIMENSIONS IN IMPERIAL.
2. VERIFY ALL DIMENSIONS.
3. DO NOT SCALE DRAWINGS.
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5. USE THE LATEST REVISED DRAWINGS ONLY.
6. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SCHEDULES, DISCOVERED ERRORS, OR OMISSIONS, TO THE ARCHITECT AND LCBO DURING TENDER PERIOD AND BEFORE PROCEEDING WITH ANY WORK.
7. DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT, AND MUST BE RETURNED UPON COMPLETION OF WORK.
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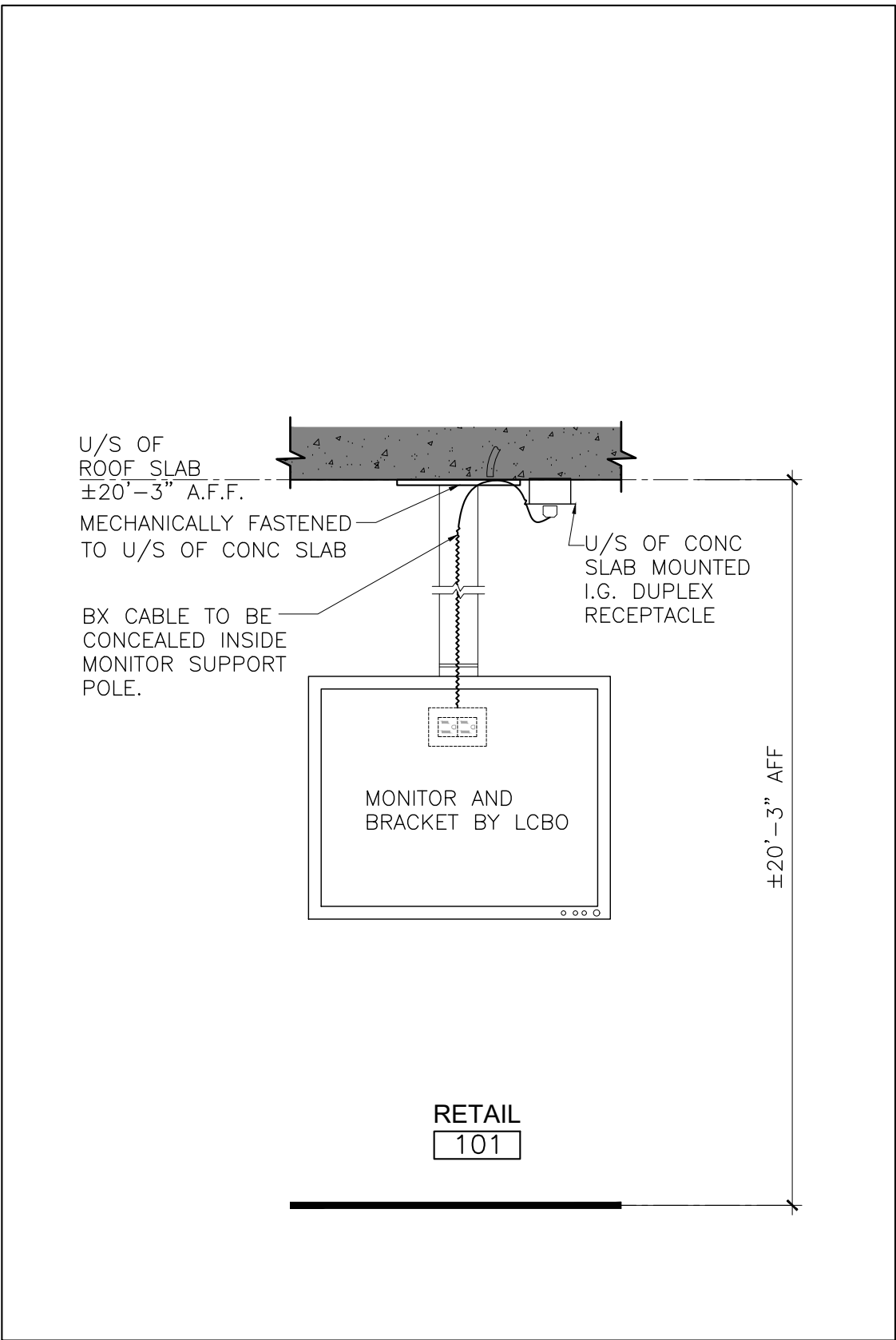
Plan Detail: Manager's Office Door (102)
Scale: 1"=1'-0" (A3.00)



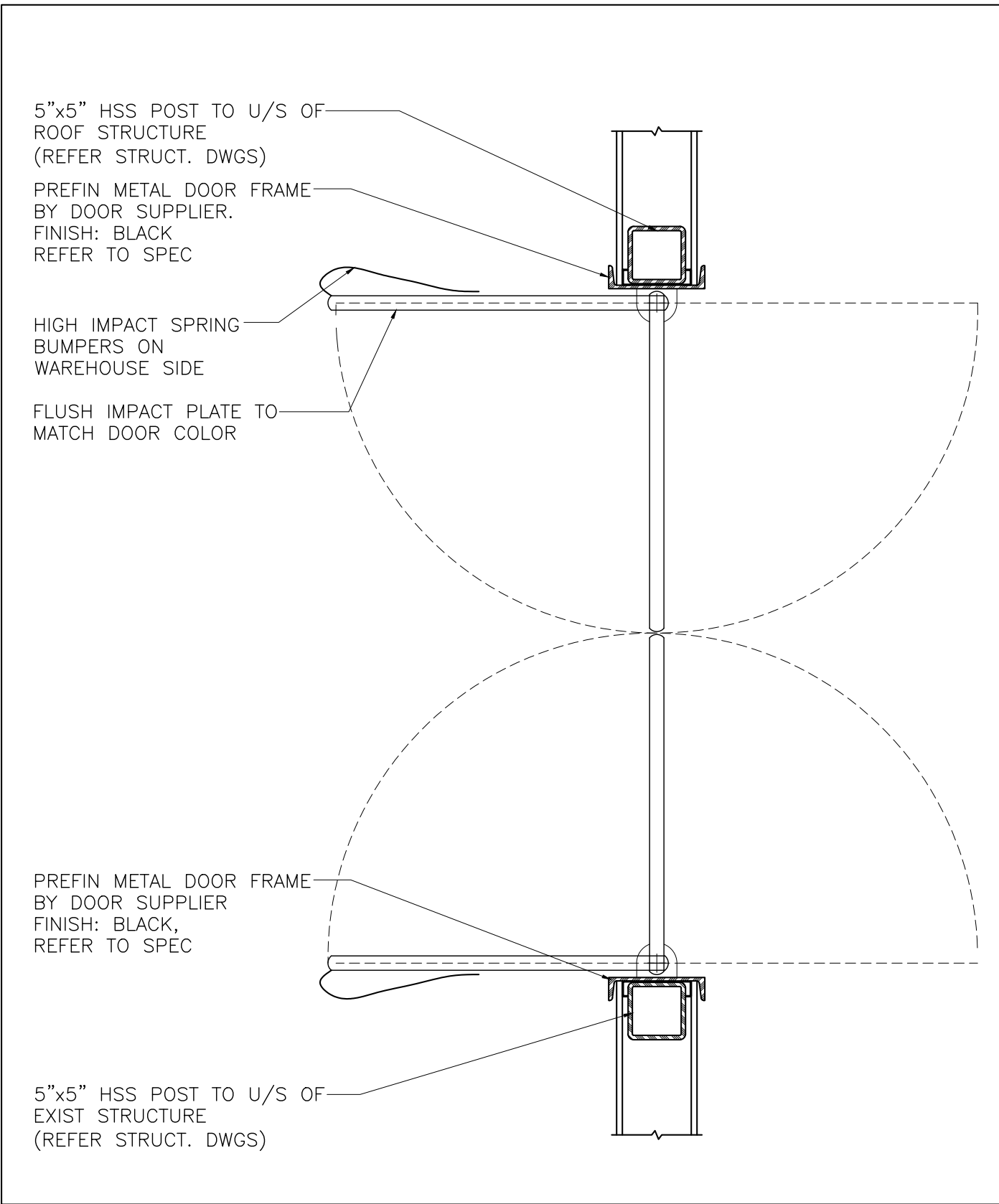
Plan Detail: Security Sliding Grille (100)
Scale: 3"=1'-0" (A3.00)



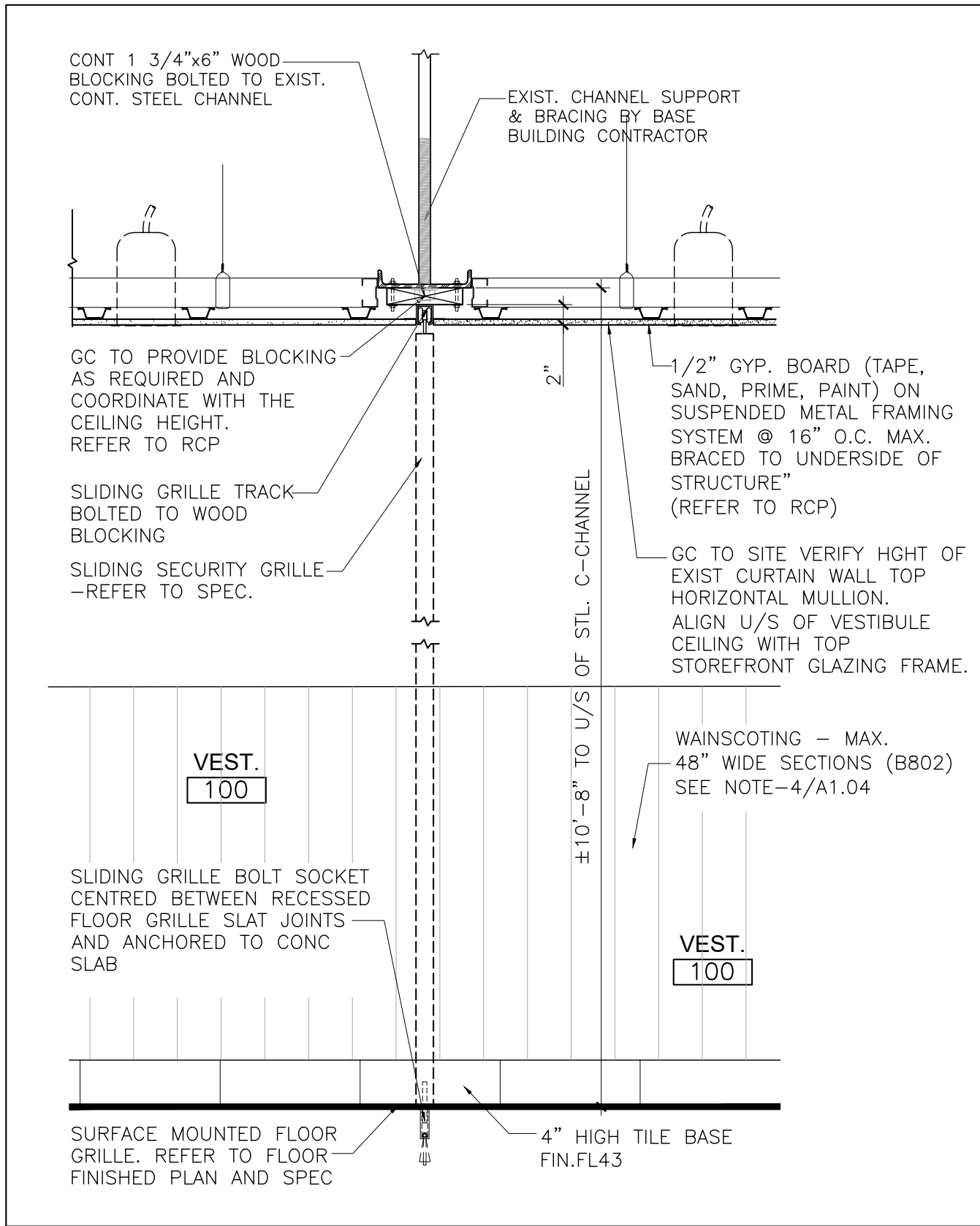
Unistrut Support (101)
Scale: 1 1/2"=1'-0" (A3.00)



Ceiling Mounted Bracket for Security Monitor (101)
Scale: 1"=1'-0" (A3.00)



Plan Detail: Warehouse Impact Door (2)
Scale: 1"=1'-0" (A3.00)



Security Sliding Grille - Section Detail (100)
Scale: 1"=1'-0" (A3.00)

8	Feb. 8, 2021	ISSUED FOR PERMIT & TENDER	VBC
7	Jan. 27, 2021	Issued for 90% Drawings Review	VBC
6	Jan. 21, 2021	Re-issued for BB Coordination	VBC
5	Jan. 19, 2021	Issued for 60% Drawings Review	VBC
4	Dec. 22, 2020	Issued for 30% Drawings Review	VBC
3	Dec. 22, 2020	Re-issued for BB Coordination	VBC
2	Nov. 6, 2020	Issued for BB Coordination	LG
1	Oct. 27, 2020	Issued for Consultant Review	LG
Rev.: Date:		Description:	Initial



ISSUED FOR PERMIT & TENDER

Issued for:
Feb. 8, 2021
Issue Date:
125569 AS NOTED PW VG
Project No.: Scale: Drawn by: Checked by:

LCBO Store No.668
Interior Fit-Up
740 Dupont St.
Toronto, ON

Project:

Miscellaneous Details

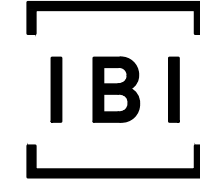
Drawing Title:

A3.00

Sheet No.:

FINISHES SCHEDULE (1 OF 4)							
	NO.	MATERIAL	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
PLASTIC LAMINATE	PL01	PLASTIC LAMINATE	SMOKEY WHITE	NEVAMAR ARP SURFACE 'SMOKEY WHITE' TEXTURED #57027T	McFADDEN'S 2164 BUCKINGHAM ROAD, OAKVILLE, ON. L6H 6M7 CONTACT: LUCIA NIU TEL.: 416-674-3333		KITCHEN/DEMO, STAFF LUNCHROOM, WASHROOMS, LEARNING CENTRE & MANAGER'S OFFICE UPPER CABINET
	PL02	PLASTIC LAMINATE	DARK GREY	WILSONART 'SLATE GREY' #D91-60 FINISH: MATTE	WILSONART CANADA 380 COURTNEYPARK DR. E, UNIT A MISSISSAUGA, ON L5T 2S4 CONTACT: KATE HUETHER TEL: 519-274-9653		STANDARD FIXTURE GENERAL AREAS, CASH/ CHECK-OUT, AND MILLWORK FIXTURE KICK BASES WHERE APPLICABLE
	PL03	PLASTIC LAMINATE	LIGHT GREY	FORMICA 'GREY STONE' #464-58	FORMICA CANADA INC. CONTACT: MARIA BANNON-TURVEY TEL: 416-592-0664		FIXTURE DETAILING
	PL04	PLASTIC LAMINATE	BLACK	WILSONART 'BLACK' #1595-60 FINISH: MATTE	WILSONART CANADA 380 COURTNEYPARK DR. E, UNIT A MISSISSAUGA, ON L5T 2S4 CONTACT: KATE HUETHER TEL: 519-274-9653		MILLWORK BASES, FIXTURE DETAILING AND TYPICAL WAINSCOTTING AT OFFICE, CASH/CHECK-OUT & VESTIBULE
	PL05	PLASTIC LAMINATE	WHITE OAK	WILSONART 'NEW AGE OAK' #7983-38 FINISH: FINE VELVET	WILSONART CANADA 380 COURTNEYPARK DR. E, UNIT A MISSISSAUGA, ON L5T 2S4 CONTACT: KATE HUETHER TEL: 519-274-9653		GENERAL RETAIL FIXTURE & FASCIA DETAILING
	PL06	PLASTIC LAMINATE	SPECKLE GREY	COLOUR: #P-344RM 'INUKSHUK GREY' FINISH: MATTE	ARBORITE 111 RACE STREET, PARIS, ON. N3L 3G9 TEL: 647-206-2553 CONTACT: LESLEY HEYS		STAFF KITCHEN COUNTER, LEARNING CENTRE COUNTER & MANAGER'S OFFICE COUNTER & PORTABLE TASTING BAR COUNTER
	PL07- PL12	RESERVED					
	NO.	MATERIAL	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
PAINT FINISHES	PT13	PAINT	WHITE	POLYESTER WHITE #00 28347	NEELAND'S GROUP LIMITED 4131 PALLADIUM WAY, BURLINGTON CONTACT: SCOTT CORBETT TEL: 905-322-4585 416-798-9705	PROVIDE MATCHING CAULKING COLOUR	WALK-IN COLDROOM PRE-FABRICATED WALL & CEILING FINISHES
	PT14	PAINT	WHITE	PRODUCT: BENJAMIN MOORE ACRYLIC INT LATEX COLOUR: #OC-118 'SNOWFALL WHITE' FINISH: FLAT	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ON. L5N 7G2 TEL: 905-813-3700 CONTACT: GLORIA RINALDI	LEED INITIATIVE	GENERAL RETAIL DRYWALL CEILING & UNDERSIDE OF DRYWALL BULKHEADS, UNDERSIDE OF ROOF DECK, ALL MECHANICAL DUCTWORK, ALL ELECTRICAL CONDUIT, ALL PLUMBING, ALL BASE BLDG. SERVICES, UNISTRUT & THREADED RODS ETC., LUNCHROOM, LEARNING CENTRE, WASHROOM WALLS & MANAGER'S OFFICE (EGGSHELL FINISH), WAREHOUSE (SEMI-GLOSS FINISH)
	PT14A	ELASTOMERIC ANTI-MICROBIAL COATING	WHITE	TO MATCH PAINT FINISH NO. PT14	PENNKOTE LIMITED 516 FINLEY AVE. AJAX, ON. L1S 2E3 TEL: 905-683-6447	SUBMIT SAMPLE FOR APPROVAL	JANITOR ROOM WALLS & CEILING
	PT15	PAINT	LIGHT GREY	VIC STORE FIXTURES COLOUR #P88	VIC STORE FIXTURE INC. 1-888-756-0626		WALK-IN COLDROOM FLOOR GONDOLA BACK PANEL
	PT16	POWDER-COAT PAINT	FLAT BLACK	PRODUCT ID# ES642N4 FINISH: SMOOTH MATTE	PROTECH POWDERCOATING SALES@PROTECHPOWDER.COM	SUBMIT SAMPLE FOR APPROVAL	TYPICAL PERIMETER SHELVING, GONDOLA & BCR FIXTURES, SHELF COMPONENTS (BRACKETS, POSTS, ETC) EXCEPT METAL SHELVES ON ALL FLAT SHELF SURFACES
	PT16A	POWDER-COAT	GLOSS BLACK	PRODUCT: PROTECH 2T311N21 SUPER DURABLE FINISH: FLAG BLACK	PROTECH POWDERCOATING SALES@PROTECHPOWDER.COM	SUBMIT SAMPLE FOR APPROVAL	ON ALL FLAT SHELF SURFACES
	PT17	PAINT	DARK GREY	COLOUR: #SW 7026 'GRIFFIN' FINISH: SATIN	SHERWIN WILLIAMS CONTACT: DEAN GIVELAS C: (416)-432-6975 T: (905)-507-0166 X.110	LEED INITIATIVE	TYPICAL PERIMETER & GONDOLA METAL SHELVING UNIT KICK BASES AND REFRIGERATED GONDOLA KICK BASE
	PT18	RESERVED					
	PT19	PAINT	MEDIUM GREY	COLOUR: SW7669 "SUMMIT GREY" FINISH: EGGSHELL	SHERWIN WILLIAMS CONTACT: DEAN GIVELAS C: (416)-432-6975 T: (905)-507-0166 X.110		BCR WALL - EGGSHELL FINISH

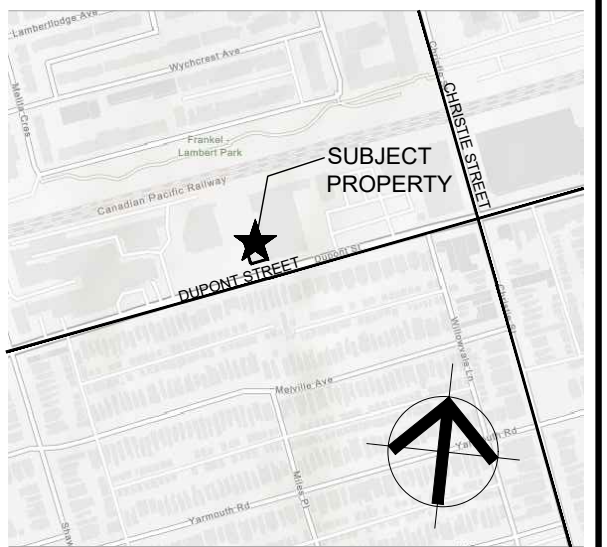
FINISHES SCHEDULE (2 OF 4)							
	NO.	MATERIAL	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
PAINT FINISHES	PT20	PAINT	WHITE	PRODUCT: BENJAMIN MOORE #K626 ACRYLIC INT LATEX COLOUR: #OC-118 'SNOWFALL WHITE' FINISH: EGGSHELL	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, STE 100 MISSISSAUGA, ON. L5N 7G2 CONTACT: GLORIA RINALDI T: 905-761-4819 C: 416-428-66461	SUBMIT SAMPLE FOR APPROVAL	GENERAL RETAIL AREA WALLS & BULKHEADS
	PT21	ELASTOMERIC ANTIMICROBIAL COATING	WHITE	TO MATCH PAINT FINISH NO. PT20	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
	PT22- PT23	RESERVED					
	PT24	POWDERCOAT PAINT	MEDIUM GREY	COLOUR/RAL: IRON GLIMMER P3 PRODUCT ID: 49/70200 TYPE: POLYESTER FINISH: METALLIC	TIGER DRYLAC CANADA INC. 110 SOUTHGATE DRIVE, GUELPH, ONTARIO, N1G4P5 TEL: 519-766-4781	SUBMIT SAMPLE FOR APPROVAL	FIXTURE DETAILING AND WALK-IN COLDROOM METAL SHELVING
	PT25	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, ON. L5N 7G2 CONTACT: GLORIA RINALDI T: 905-761-4819 C: 416-428-66461		FEATURE WALLS ON BCR/BEER ALCOVE
	PT26	PAINT	DARK BEIGE	COLOUR: #RC-34 WILMINGTON TAN FINISH: ALKYD, LOW LUSTRE	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ON. L5N 7G2 CONTACT: GLORIA RINALDI T: 905-761-4819 C: 416-428-66461	SUBMIT SAMPLE FOR APPROVAL	WAREHOUSE MAIN DOOR (EXTERIOR SIDES ONLY) USED W/ BRICK & DRYVIT EXTERIOR
	PT27	PAINT	GREY	COLOUR: #1552 'RIVER REFLECTIONS' FINISH: ALKYD, LOW LUSTRE	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ON. L5N 7G2 CONTACT: GLORIA RINALDI T: 905-761-4819 C: 416-428-66461	SUBMIT SAMPLE FOR APPROVAL	MEZZANINE STAIRS, WAREHOUSE DOOR FRAMES, LUNCHROOM, WASHROOMS AND JANITOR ROOM DOOR AND FRAMES
	NO.	MATERIAL	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
WOOD FINISHES	WD28	WOOD VENEER	WHITE OAK	NATURAL QUARTER CUT OAK VENEER WITH POLYURETHANE MATTE FINISH, AS LIGHT OAK QUARTERED, COLOUR: MEDIUM, PART #50.60	BROOKSIDE VENEERS LTD. CONTACT: RICH H. RICHH@BROOKSIDEVENEERS.COM	SUBMIT SAMPLE FOR APPROVAL; VENEER PRODUCT IS LAMINATED TO PHENOLIC BACKER 1MM THICK, COMES IN 4'X10' SHEET	WOOD FEATURE WALL, VINTAGES RUNWAY METAL I-BEAM, VINTAGES WOOD CRATE, VINTAGES RISER BACK PANEL AT FEATURE WALL PERIM. SHELVING
	WD29	SOLID WOOD	WHITE OAK	RIFT CUT WHITE OAK AND COORDINATING VENEER W/ NON-YELLOWING SATIN SEALER	MILLWORK CONTRACTOR TO SUPPLY AND INSTALL	SAMPLE ON BOARD FOR REFERENCE ONLY. MATCH TO CONTROL SAMPLE SUPPLIER BY LCBO. SUBMIT SAMPLE FOR APPROVAL TO LCBO.	WOODWORK TRIM GENERAL RETAIL AREA FIXTURES
	NO.	MATERIAL	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
CEILING FINISHES	CT33	CEILING	WHITE	SUSPENDED T-BAR CEILING BY AQUAROCK #1162-067-1 COLOUR: WHITE SIZE: 24"X24" SQUARE EDGE LAY-IN WITH WHITE #530 ALL ALUMINUM 15/16" EXPOSED T-BAR GRID SYSTEM BY CHICAGO METALLIC	DISTRIBUTOR: CERTAIN TEED CEILING CONTACT: NANCY McPHERSON TEL: 905-803-9681 MOBILE: 647-825-8238 EMAIL: nancy.mcperson@certainteed.com	PROVIDE 1" 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: ARRYN ACOUSTICS CONTACT: MARK NEWMAN OR BRIAN SPURK TEL: 416-798-9200	WALK-IN COLDROOM
	CT34	RESERVED					
	CT35	RESERVED					
	CT36	CEILING TILE	WHITE	CGC INC. 'RADAR' #2110 SQUARE EDGE SIZE: 24" X 24" X 5/8" COLOUR: WHITE	CGC INC. 350 BURNHAMTHORPE ROAD WEST 5th FLOOR MISSISSAUGA, ON. L5B 3J1 TEL: 905-803-5600	FOR FIRE RATED CEILING USE CGC 'RADAR' #2115 24" X 24" X 5/8"	GENERAL RETAIL AREA, SERVICE AREA & MANAGER'S OFFICE
		T-BAR	WHITE	CGC INC. DONN DX 15/16" EXPOSED FACE T-BAR GRID COLOUR: WHITE		FOR FIRE RATED CEILING USE CGC DONN DXL 15/16" T-BAR GRID	
	CT37	RESERVED					
	CT38	CEILING TILE	WHITE	ARMSTRONG MESA FINE TEXTURE BEVELLED REGULAR-#682 COLOUR: WHITE SIZE: 24" X 24" X 3/4"	ARMSTRONG WORLD INDUSTRIES CANADA 111 DAVIS DRIVE #1-254 NEW MARKET, ON. L3Y 9E5 CONTACT: SARAH WITHEY TEL: 416-525-0003		
		T-BAR	WHITE	ARMSTRONG SUPRAFINE XL 9/16" EXPOSED TEE SYSTEM COLOUR: WHITE			
NOTE: THE FINISH SCHEDULE IS A STANDARD DOCUMENT. NOT ALL LISTED FINISHES APPLY TO THIS SPECIFIC PROJECT. CONTRACTOR SHALL REFER TO ALL OTHER SUPPORTING DRAWINGS & SPECIFICATIONS.							



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- General Notes:
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6	Feb. 8, 2021	ISSUED FOR PERMIT & TENDER	VBC
7	Jan. 27, 2021	Issued for 90% Drawings Review	VBC
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Rev.: Date:		Description:	Initial



ISSUED FOR PERMIT & TENDER			
Issued for:			
Feb. 8, 2021			
Issue Date:			
125569	N.T.S		VG
Project No.:	Scale:	Drawn by:	Checked by:

LCBO Store No.668
Interior Fit-Up
740 Dupont St.
Toronto, ON

Project:
Supplemental Finishes
Schedule

Drawing Title:
A4.00
Sheet No.:

FINISHES SCHEDULE (3 OF 4)							
TILE FINISHES	FL39	CERAMIC TILE	WHITE	COLOUR & DIMENSIONS COLLECTION COLOUR: "ARCTIC WHITE MATTE" SIZE: 4.25" X 8.5" CODE: #QT.CD.ARW.0408MT (INSTALLED IN STACK BOND PATTERN)	OLYMPIA TILE INTERNATIONAL INC. 1000 LAWRENCE AVE. W. TORONTO, ON. M6B 4A8 CONTACT: PEONY SETO TEL: 416.785.9555 EXT. 254 CELL: 416.819.9835 EMAIL: PEONY@OLYMPIATILE.COM	GROUT BY FLEXITILE #510 'BRIGHT WHITE' UNSANDED 1/8" MAX. THICKNESS	WASHROOM WALL TILE – FINISH HEIGHT OF #39 TO BE FROM 4" AFF. TO TOTAL OVERALL HEIGHT OF 42.25" AFF. (I.E. 9 FULL TILE) ALSO STAFF LUNCHROOM BACK SPLASH
	FL40	PORCELAIN TILE	DARK GREY	REGAL COLOUR: DARK GREY MATTE SIZE: 12" X 12" CODE: #NY.RG.DGR.1212.MT FINISH: MATTE	OLYMPIA TILE INTERNATIONAL INC. 1000 LAWRENCE AVE. W. TORONTO, ON. M6B 4A8 CONTACT: PEONY SETO TEL: 416.785.9555 EXT. 254 CELL: 416.819.9835 EMAIL: PEONY@OLYMPIATILE.COM	GROUT BY FLEXITILE #663 'NORTH SEA GREY' (SANDED) 1/8" MAX. THICKNESS	WASHROOM, STAFF LUNCHROOM & LEARNING CENTRE (FLOOR TILE & WALL BASE). WALL BASE SIZE: 4"HT X 12" LONG
	FL41	VINYL BASE	GREY	VINYL WALL BASE COLOUR: #121 CEMENT	JOHNSONITE TEL: 905-886-8081		WAREHOUSE & RETAIL AREA (WHERE APPLICABLE)
	FL42	PORCELAIN TILE	GREY	LAB 21 MATTE 12" X 24" PORCELAIN TILE BASE 4" HT X 12"LONG COLOUR: "FOG" (SILVER GREY) FINISH: MATTE CODE: #KM.LB.FOG.1224.MT TILE ORIENTATION: 30/70 INFINITY PATTERN OR SOHO COLLECTION BY MARAZZI 12" X 24" PORCELAIN TILE BASE: 4"HT X 12"LONG COLOUR: "SOHO GREY RETT" FINISH: MATTE TILE ORIENTATION: 30/70 INFINITY	OLYMPIA TILE INTERNATIONAL INC. 1000 LAWRENCE AVE. W. TORONTO, ON. M6B 4A8 CONTACT: PEONY SETO TEL: 416.785.9555 EXT. 254 CELL: 416.819.9835 EMAIL: PEONY@OLYMPIATILE.COM	GROUT BY FLEXITILE #663 'NORTH SEA GREY' (SANDED) 1/8" MAX. THICKNESS	GENERAL RETAIL AREA, MANAGER'S OFFICE, VINTAGES & BCR (FLOOR TILE & WALL BASE). PROVIDE 4"HT X 12"LONG TILE BASE (CUT FROM SPECIFIED 12" X 24" TILES) TO ALL PERIMETER WALLS AS PER INTERIOR ELEVATIONS
	FL43	PORCELAIN TILE	SILVER GREY	LAB 21 STRUCTURED 12" X 12" PORCELAIN TILE COLOUR: "FOG" (SILVER GREY) FINISH: STRUCTURED CODE: #KM.LB.FOG.1212.ST.	OLYMPIA TILE INTERNATIONAL INC. 1000 LAWRENCE AVE. W. TORONTO, ON. M6B 4A8 CONTACT: PEONY SETO TEL: 416.785.9555 EXT. 254 CELL: 416.819.9835 EMAIL: PEONY@OLYMPIATILE.COM	GROUT BY FLEXITILE #663 'NORTH SEA GREY' (SANDED) 1/8" MAX. THICKNESS	VESTIBULE (FLOOR TILE & WALL BASE) WALL BASE SIZE: 4"HT X 12" LONG
	FL43A	PORCELAIN TILE	DARK GREY	KINESIK ELAN TILE 11-11/16" X 11-11/16" PORCELAIN TACTILE INDICATORS (TWSI) W/ TRUCATED DOMES COLOUR: "VOGUE BLACK" (DARK GREY)	OLYMPIA TILE INTERNATIONAL INC. 1000 LAWRENCE AVE. W. TORONTO, ON. M6B 4A8 CONTACT: PEONY SETO TEL: 416.785.9555 EXT. 254 CELL: 416.819.9835 EMAIL: PEONY@OLYMPIATILE.COM	GROUT BY FLEXITILE #663 'NORTH SEA GREY' (SANDED) 1/8" MAX. THICKNESS	TACTILE FLOOR BEGINNING & END OF RAMP AT ENTRANCE & EXIT. SPECIFIC TO STORE 754
	FL43B	PORCELAIN TILE	SILVER GREY	LAB 21 STRUCTURED 12" X 24" PORCELAIN TILE COLOUR: "FOG" (SILVER GREY) FINISH: STRUCTURED CODE: #KM.LB.FOG.1212.ST.	OLYMPIA TILE INTERNATIONAL INC. 1000 LAWRENCE AVE. W. TORONTO, ON. M6B 4A8 CONTACT: PEONY SETO TEL: 416.785.9555 EXT. 254 CELL: 416.819.9835 EMAIL: PEONY@OLYMPIATILE.COM	GROUT BY FLEXITILE #663 'NORTH SEA GREY' (SANDED) 1/8" MAX. THICKNESS	SLOPED FLOOR AT ENTRANCE & EXIT. SPECIFIC TO STORE 754
	FL44	MARMOLEUM	GREY	MARMOLEUM MODULAR BY FORBO COLOUR: 12628 'EIGER' SIZE: 10"x20" GAUGE 1/10" (2.5MM)	FORBO FLOORING SYSTEMS 25 POLLARD STREET RICHMOND HILL, ON. L4B 1A5 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 4"IN. NO. FL41 TO ALL PERIMETER WALLS AS PER INTERIOR ELEVATIONS
	FL45	CERAMIC TILE	WHITE	3" X 6" WHITE CERAMIC TILE JDD 3X6 COLOUR: WHITE	SALTILLO IMPORTS 115 TYCOS DRIVE TORONTO, ON M6B 1W3 CONTACT: ALIZA BIUNNO TEL: (416) 441-2224 X 222	GROUT BY FLEXITILE COLOUR: WHITE (UNSANDED) 1/8" MAX. THICKNESS SUBWAY-LAID BY GC C/W BRUSHED S.S. SCHLUTER SQUARE TRIM AT TOP ROW OF TILES WHERE APPLICABLE	CONSULTANT DESK WALL AND VINTAGES CREST WALL
	NO.	MATERIAL	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
METAL & MISCELLANEOUS FINISHES	MT55	METAL	SATIN STAINLESS STEEL			SUBMIT SAMPLE FOR APPROVAL	GENERAL RETAIL AREA FIXTURE DETAILING
	MC56	REFER TO THE SRRS					
	MC57	BULLETIN BOARD	GREY	BULLETIN BOARD #2182	PHOENIX FLOOR & WALL PRODUCTS INC. CONTACT: CHRISTIE WHITE TEL: 416-661-2351		
	MC58-MC61	RESERVED					
EXTERIOR FINISHES	EX62	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 ST. W. BURLINGTON, ON. CONTACT: TERRY KLINGSPORN TEL: 416-681-1636 EMAIL: terry.klingsporn@meridianbrick.ca		EXTERIOR WALLS
	EX63	BRICK (SOLDIER COURSE)	DARK GREY	PRODUCT: NOBLE ARCHITECTURAL BLOCK COLOUR: CHARCOAL FINISH: BUFF SIZE: 3.5/8" H. x 3.3/8" D. x 11.5/8" L. MORTAR COLOUR: NATURAL GREY	MANUFACTURER: PERMACON GROUP DISTRIBUTED BY: PERMACON GROUP, MILTON, ON. CONTACT: MARIO NUNES CELL PH. 416-578-1903 EMAIL: mnunes@permacon.ca		EXTERIOR WALLS-SOLDIER COURSE ABOVE AWNINGS & BETWEEN BRICK PIERS
	EX64	CONCRETE BLOCK (BASE)	DARK GREY	PRODUCT: NOBLE ARCHITECTURAL BLOCK COLOUR: CHARCOAL FINISH: BUFF SIZE: 3.5/8" H. x 3.3/8" D. x 11.5/8" 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 PH. 416-578-1903 EMAIL: mnunes@permacon.ca RICHVALE YORK BLOCK INC. GORMLEY, ON. CONTACT: LUCIANO TESEO TEL: 416-213-7444 EXT. 236 ORDER DESK: 416-213-7447 EMAIL: lteseo@richvalenyorkblockinc.ca		CONCRETE BLOCK BASE
	EX65	DOOR & WINDOW FRAMES	CLEAR ANODIZED ALUMINUM	CATEGORY: ALUMILITE CLEAR ANODIZED FINISH COLOUR: NO. 17 CLEAR	MANUFACTURER: KAWNEER CONTACT: SUSIE DAGRACA TEL: 905-673-5400		EXTERIOR CAULKING PRODUCT: TREMCO COLOUR: ANODIZED ALUM.
EXTERIOR FINISHES	EX66	SPANDREL GLAZING	GREY	CPACI-COAT-300 (OR APPROVED EQUAL) COLOUR: NO. 3-1850 KENDALL CHARCOAL (BENJAMIN MOORE NO. HC-166)	ICD COATINGS TEL: 366-546-2286	SUBMIT SAMPLE FOR APPROVAL	EXTERIOR SPANDREL GLAZING
	EX67A	ALUMINUM COMPOSITE PANEL	BRIGHT SILVER METALLIC		AS PER THE LBBR		CANOPIES ONLY
	EX67B	PREFINISHED METAL FLASHING	BRIGHT SILVER METALLIC		AS PER THE LBBR		PARAPHET & MISC. FLASHINGS
	EX68	POWDER COAT PAINT	MEDIUM GREY	COLOUR: IRON GLIMMER P3 (FOR EXTERIOR USE) PRODUCT ID: 4970200 TYPE: POLYESTER FINISH: METALLIC	TIGER DRYLAC CANADA INC. GUELPH, ON. M9L 1X3 TEL: 591-766-4781		EXTERIOR DISPLAY BANNER HARDWARE LOCATED ON BRICK PIERS
	EX69	POWDER COATED PAINT	MEDIUM GREY	MATTHEWS PAINT – MPC 101 42 MP12734 GARRISON MATTE FINISH – 2 COATS	FORWARD SIGNS CONTACT: HOLLY WONG EMAIL: holly.wong@forwardsigns.com		EXTERIOR 'LCBO' ILLUMINATED TRIM CASE
	EX70-EX76	RESERVED					
	EX77	CONCRETE BLOCK (BASE)	LIGHT GREY	PRODUCT: CAMBRIDGE SERIES COLOUR: ONYX FINISH: SMOOTH MORTAR COLOUR TO MATCH	RICHVALE YORK BLOCK INC. GORMLEY, ON. CONTACT: LUCIANO TESEO TEL: 416-213-7444 EXT. 236 ORDER DESK: 416-213-7447 TOLL FREE: 1-877-782-5625 EMAIL: lteseo@richvalenyorkblockinc.ca		CONCRETE BLOCK BASE FOR SIDING STORE
	EX78-EX79	RESERVED					
	EX80	PREFINISHED SIDING	GREY	HARDIE-PLANK LAP SIDING COLOUR: MONTEREY TAPEX TEXTURE, SELECT CEDARMILL WIDTH: 6.25" (5" EXPOSURE)	MANUFACTURER: JAMES HARDIE TEL: 1-866-4-HARDIE		EXTERIOR CLADDING (FIELD)
	EX81	PREFINISHED SIDING TRIM BOARDS	CREAM	HARDIE-PLANK LAP SIDING COLOUR: COBBLE STONE SMOOTH WIDTH: 4.5"	MANUFACTURER: JAMES HARDIE TEL: 1-866-4-HARDIE		EXTERIOR CLADDING (TRIM)
EXTERIOR SIGNAGE/ WAYFINDING FINISHES	EX82	RESERVED					
	EX83	PAINT	GREY	COLOUR: NO. HC-108 'SANDY HOOK GRAY' FINISH: 'ARCHD, LOW LUSTRE	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ON. L5N 7G2 TEL: 905-813-3700	SUBMIT SAMPLE FOR APPROVAL	WAREHOUSE MAIN DOORS (EXTERIOR SIDE ONLY) USED W/ EXTERIOR SIDING & DRYVIT ONLY.
	EX84	DRYVIT	GREY	SANDPEBBLE FINE DFR LCBO STAINLESS	DRYVIT SYSTEMS CANADA LTD. CONTACT: ANDREAS LUETH TEL: 905-686-7310 EXT. 29	SUBMIT SAMPLE FOR APPROVAL	EXTERIOR WALLS
	EX85	DRYVIT	GREY	SANDPEBBLE FINE DFR LCBO GULL GRAY	DRYVIT SYSTEMS CANADA LTD. CONTACT: ANDREAS LUETH TEL: 905-686-7310 EXT. 29	SUBMIT SAMPLE FOR APPROVAL	EXTERIOR WALLS
INTERIOR SIGNAGE/ WAYFINDING FINISHES	NO.	MATERIAL	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
	WF86	PAINT	LIGHT GREY	PRODUCT: BENJAMIN MOORE ACRYLIC INT LATEX COLOUR#: SW7668 COLOUR: "MARCH WIND" FINISH: GLOSSY	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ON. L5N 7G2 TEL: 905-813-3700		WAYFINDING CRESTS
	WF87	PAINT	BLACK	LETTERS & CRESTS FOR PAINT FINISH: BENJAMIN MOORE COLOUR#: 2133-10 'ONYX' FINISH: SATIN	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ON. L5N 7G2 TEL: 905-813-3700		WAYFINDING SIGNAGE LETTERS, BCR WALL CRESTS IN GLOSS
	WF88	PAINT	WHITE	LETTERS FOR PAINT FINISH: BENJAMIN MOORE COLOUR: OC-118 'SNOWFALL WHITE' FINISH: SATIN	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ON. L5N 7G2 TEL: 905-813-3700		WAYFINDING SIGNAGE LETTERS
	NOTE: THE FINISH SCHEDULE IS A STANDARD DOCUMENT. NOT ALL LISTED FINISHES APPLY TO THIS SPECIFIC PROJECT. CONTRACTOR SHALL REFER TO ALL OTHER SUPPORTING DRAWINGS & SPECIFICATIONS.						

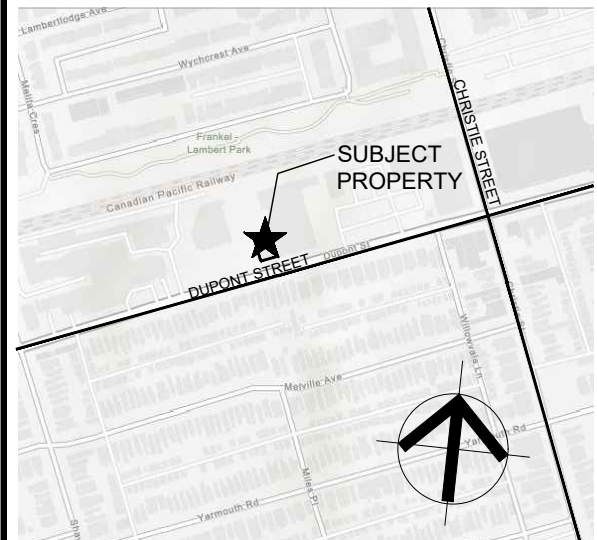
FINISHES SCHEDULE (4 OF 4)							
EXTERIOR FINISHES	NO.	MATERIAL	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
	EX65	DOOR & WINDOW FRAMES	CLEAR ANODIZED ALUMINUM	CATEGORY: ALUMILITE CLEAR ANODIZED FINISH COLOUR: NO. 17 CLEAR	MANUFACTURER: KAWNEER CONTACT: SUSIE DAGRACA TEL: 905-673-5400	EXTERIOR CAULKING PRODUCT: TREMCO COLOUR: ANODIZED ALUM.	EXTERIOR GLAZING
	EX66	SPANDREL GLAZING	GREY	CPACI-COAT-300 (OR APPROVED EQUAL) COLOUR: NO. 3-1850 KENDALL CHARCOAL (BENJAMIN MOORE NO. HC-166)	ICD COATINGS TEL: 366-546-2286	SUBMIT SAMPLE FOR APPROVAL	EXTERIOR SPANDREL GLAZING
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	EX67B	PREFINISHED METAL FLASHING	BRIGHT SILVER METALLIC		AS PER THE LBBR		PARAPHET & MISC. FLASHINGS
	EX68	POWDER COAT PAINT	MEDIUM GREY	COLOUR: IRON GLIMMER P3 (FOR EXTERIOR USE) PRODUCT ID: 4970200 TYPE: POLYESTER FINISH: METALLIC	TIGER DRYLAC CANADA INC. GUELPH, ON. M9L 1X3 TEL: 591-766-4781		EXTERIOR DISPLAY BANNER HARDWARE LOCATED ON BRICK PIERS
	EX69	POWDER COATED PAINT	MEDIUM GREY	MATTHEWS PAINT – MPC 101 42 MP12734 GARRISON MATTE FINISH – 2 COATS	FORWARD SIGNS CONTACT: HOLLY WONG EMAIL: holly.wong@forwardsigns.com		EXTERIOR 'LCBO' ILLUMINATED TRIM CASE
	EX70-EX76	RESERVED					
	EX77	CONCRETE BLOCK (BASE)	LIGHT GREY	PRODUCT: CAMBRIDGE SERIES COLOUR: ONYX FINISH: SMOOTH MORTAR COLOUR TO MATCH	RICHVALE YORK BLOCK INC. GORMLEY, ON. CONTACT: LUCIANO TESEO TEL: 416-213-7444 EXT. 236 ORDER DESK: 416-213-7447 TOLL FREE: 1-877-782-5625 EMAIL: lteseo@richvalenyorkblockinc.ca		CONCRETE BLOCK BASE FOR SIDING STORE
	EX78-EX79	RESERVED					
INTERIOR SIGNAGE/ WAYFINDING FINISHES	EX80	PREFINISHED SIDING	GREY	HARDIE-PLANK LAP SIDING COLOUR: MONTEREY TAPEX TEXTURE, SELECT CEDARMILL WIDTH: 6.25" (5" EXPOSURE)	MANUFACTURER: JAMES HARDIE TEL: 1-866-4-HARDIE		EXTERIOR CLADDING (FIELD)
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	EX82	RESERVED					
	EX83	PAINT	GREY	COLOUR: NO. HC-108 'SANDY HOOK GRAY' FINISH: 'ARCHD, LOW LUSTRE	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ON. L5N 7G2 TEL: 905-813-3700	SUBMIT SAMPLE FOR APPROVAL	WAREHOUSE MAIN DOORS (EXTERIOR SIDE ONLY) USED W/ EXTERIOR SIDING & DRYVIT ONLY.
INTERIOR SIGNAGE/ WAYFINDING FINISHES	NO.	MATERIAL	COLOUR	DESCRIPTION	SOURCE	COMMENTS	LOCATION
	WF86	PAINT	LIGHT GREY	PRODUCT: BENJAMIN MOORE ACRYLIC INT LATEX COLOUR#: SW7668 COLOUR: "MARCH WIND" FINISH: GLOSSY	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ON. L5N 7G2 TEL: 905-813-3700		WAYFINDING CRESTS
	WF87	PAINT	BLACK	LETTERS & CRESTS FOR PAINT FINISH: BENJAMIN MOORE COLOUR#: 2133-10 'ONYX' FINISH: SATIN	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ON. L5N 7G2 TEL: 905-813-3700		WAYFINDING SIGNAGE LETTERS, BCR WALL CRESTS IN GLOSS
	WF88	PAINT	WHITE	LETTERS FOR PAINT FINISH: BENJAMIN MOORE COLOUR: OC-118 'SNOWFALL WHITE' FINISH: SATIN	BENJAMIN MOORE CO. LTD. 7070 MISSISSAUGA ROAD, SUITE 100 MISSISSAUGA, ON. L5N 7G2 TEL: 905-813-3700		WAYFINDING SIGNAGE LETTERS
	NOTE: THE FINISH SCHEDULE IS A STANDARD DOCUMENT. NOT ALL LISTED FINISHES APPLY TO THIS SPECIFIC PROJECT. CONTRACTOR SHALL REFER TO ALL OTHER SUPPORTING DRAWINGS & SPECIFICATIONS.						



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- 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: BIDDING.CO/LCBO

8	Feb. 8, 2021	ISSUED FOR PERMIT & TENDER	VBC
7	Jan. 27, 2021	Issued for 90% Drawings Review	VBC
6	Jan. 21, 2021	Re-Issued for BB Coordination	VBC
5	Jan. 19, 2021	Issued for 60% Drawings Review	VBC
4	Dec. 22, 2020	Issued for 30% Drawings Review	VBC
3	Dec. 22, 2020	Re-Issued for BB Coordination	VBC
2	Nov. 6, 2020	Issued for BB Coordination	LG
1	Oct. 27, 2020	Issued for Consultant Review	LG

Rev.: Date: Description: Initial



ISSUED FOR PERMIT & TENDER
Issued for:
Feb. 8, 2021
Issue Date:
125569
Project No.: N.T.S. Drawn by: VG
Scale: Checked by:

LCBO Store No.668
Interior Fit-Up
740 Dupont St.
Toronto, ON

Supplemental Finishes
Schedule

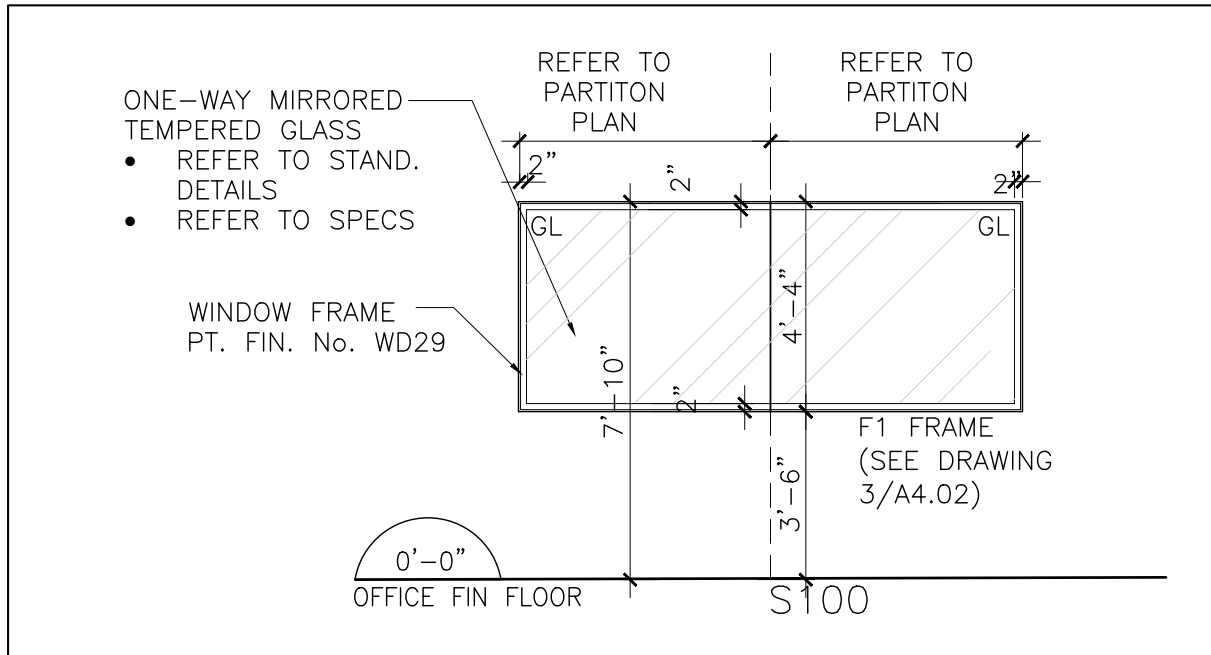
Drawing Title:

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

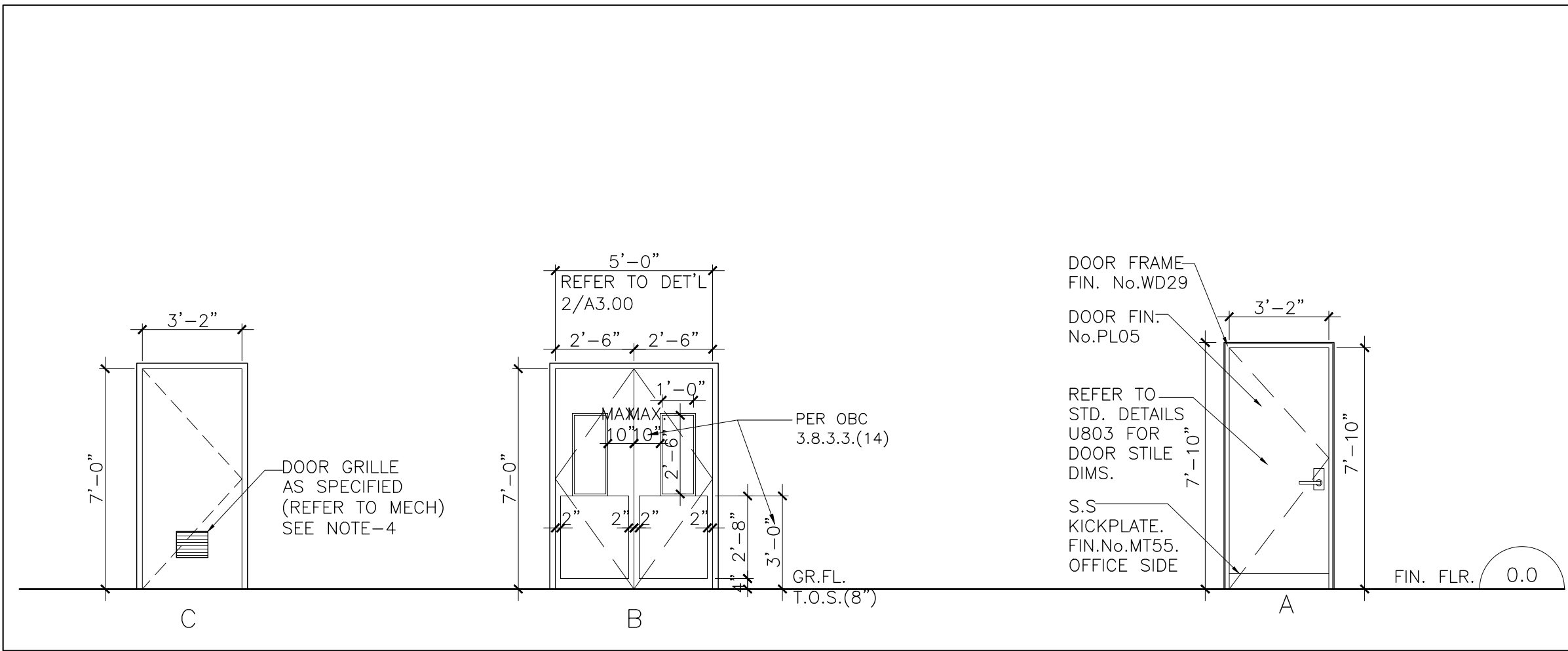
A4.01

- DOOR SCHEDULE GENERAL NOTES:**
- REFER TO SPECIFICATION SECTION 08 70 00 AND 8 70 00.01 FOR DOOR HARDWARE AND HARDWARE SCHEDULE. REFER TO SUPPLEMENTAL FINISHES SCHEDULE A4.00 & A4.01 FOR ALL MATERIAL FINISHES.
 - ALL LOCKS THAT GAIN ACCESS TO LCBO'S PREMISE FROM THE OUTSIDE WILL BE TYPICAL MEDECO TYPE KEYED ALIKE. GC TO MARK THIS KEY AS "ENTRANCE" THE FOLLOWING LOCATIONS:
-D141 ENTRANCE DOOR.
-SECURITY GRILLE
-D140
-D139
-D136
-D130
-D131
-D129
 - 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:
-LOCK FOR UPS.
-LOSS PREVENTION CAGE IN WAREHOUSE, ETC. HIGH QUALITY TYPE MECHANISM (WHERE APPLICABLE).
-RETAIL LOCKABLE FIXTURES.
-D100 OFFICE DOOR
-D103 UNIVERSAL WASHROOM
 - WAREHOUSE DOOR GRILLES SHALL BE FACTORY GREY. FIRE-RATED DOOR GRILLES (WHERE APPLICABLE) SHALL NOT BE PAINTED, SHALL BE FINISHED FACTORY GREY.
 - 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, FINIS, 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.
 - CONC COLUMN FASTENED CONDUITS:
ALL EXPOSED CONDUIT AND DEVICE BOXES THAT ARE FASTENED TO SEALED CONCRETE COLUMNS WITHIN RETAIL AREA SHALL RECEIVE PAINT FINISH (BENJAMIN MOORE 2112-60 CEMENT GRAY).
 - 4" H. TILE WALL BASE FIN. FL42 TO BE INSTALLED THROUGHOUT RETAIL AREA, ALL EXPOSED WALLS AND CONCRETE COLUMNS.
 - G.C AND HARDWARE CONSULTANT MUST SITE VERIFY HEIGHT OF EXIST DOOR PRIOR TO ORDERING/FABRICATION OF 4 POINT EXIT DEVICE.
ENSURE DEVICE IS SUITED TO HEIGHT OF EXIST DOOR

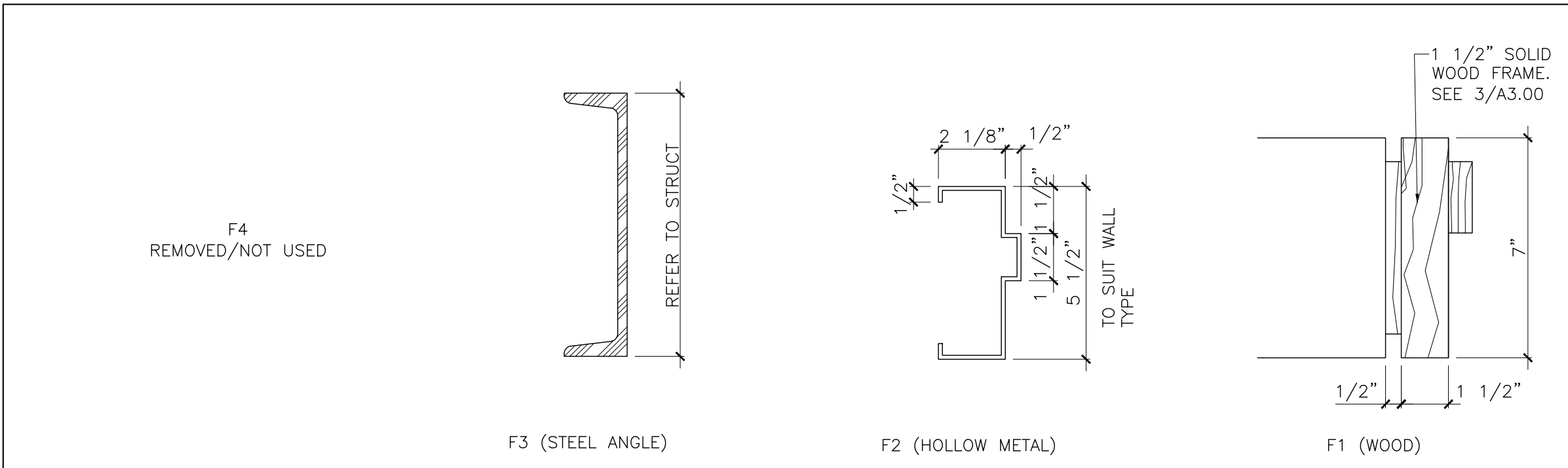
ABBREVIATIONS:	
HM	-HOLLOW METAL
PT.	-PAINT
ALUM.	-ALUMINUM
VL	-VISION GLASS
GL	-GLASS/GLAZING
PT.	-PAINT
PREFIN.	-PREFINISHED
LAM	-LAMINATED GLASS
TEMP.	-TEMPERED GLASS
CONC.	-CONCRETE
FIN.	-FINISH



Screen Types **5**
Scale: N.T.S. **A4.02**



Door Types **4**
Scale: N.T.S. **A4.02**



Door Frame Types **3**
Scale: N.T.S. **A4.02**

R O O M F I N I S H S C H E D U L E											
ROOM No.	ROOM NAME	FLOOR			WALLS			CEILING			REMARKS
		MATERIAL	FINISH	BASE	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	
GROUND FLOOR											
100	VESTIBULE	EXIST. CONC.	FIN. No. FL43 PORCELAIN FLOOR TILE	FIN. No. FL43 PORCELAIN	NEW & EXIST DRYWALL /EXIST ALUM. GLAZING	FIN. PT21	WHITE	DRYWALL	FIN. PT14	WHITE	TRANSITION BORDER TILE FIN. No.43 FROM VESTIBULE TO RETAIL. PROVIDE 4"4 x 12" TILE BASE CUT FROM SPECIFIED FLOOR TILE.
101	RETAIL	EXIST. CONC.	FIN. No. FL42 PORCELAIN TILE	FIN. No.FL42 PORCELAIN	NEW DRYWALL /EXIT CONC COLUMNS /EXIST CURTAINWALL	FIN. PT20 & PT25	WHITE /BLACK	EXPOSED	FIN. PT14	WHITE	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. 21 (TYP.). • ALL EXPOSED CEILING ELEMENTS (ROOF DECK, TRUSSES, BEAMS, DUCTING, CONDUIT, PLUMBING ETC.,) TO BE PAINTED TO MATCH FIN. PT.14. • REFER TO NOTE-5 FOR RETAIL COLUMN TREATMENT. • REFER TO NOTE-6 FOR FOR EXPOSED COLUMN MOUNTED CONDUITS.
102	MGR. OFFICE	EXIST. CONC.	FIN. No. FL42 PORCELAIN TILE	FIN. No.FL42 PORCELAIN	DRYWALL	FIN. PT14	WHITE	T-BAR	FIN. CT36	WHITE	REFER TO INTERIOR ELEVATIONS. OFFICE WALLS PAINTED EGGSHELL FINISH.
103A	WAREHOUSE-1	EXIST. CONC.	EXIST. CONC. W/EXIST HARDENER SEALER	FIN. No.FL41 VINYL BASE	NEW & EXIST DRYWALL W/PLYWOOD PANEL (GOOD ONE SIDE).	FIN. PT14	WHITE	EXPOSED	FIN. PT14	WHITE	ALL EXPOSED CEILING ELEMENTS (ROOF DECK, TRUSSES, BEAMS, DUCTING, CONDUIT, PLUMBING ETC.,) TO BE PAINTED TO MATCH FIN. PT14. WAREHOUSE WALLS PAINTED SEMI-GLOSS FINISH. PROVIDE PROTECTIVE WALL PLYWOOD, GOOD ONE SIDE AS WHERE INDIATED ON PLAN.
103B	WAREHOUSE-2	EXIST. CONC.	EXIST. CONC. W/EXIST HARDENER SEALER	—	EXIST BLOCK WALL W/PLYWOOD PANEL (GOOD ONE SIDE).	FIN. PT14	WHITE	EXPOSED	FIN. PT14	WHITE	ALL EXPOSED CEILING ELEMENTS (ROOF DECK, TRUSSES, BEAMS, DUCTING, CONDUIT, PLUMBING ETC.,) TO BE PAINTED TO MATCH FIN. PT14. WAREHOUSE WALLS PAINTED SEMI-GLOSS FINISH. PROVIDE PROTECTIVE WALL PLYWOOD, GOOD ONE SIDE AS WHERE INDIATED ON PLAN.
104	STAFF ROOM	EXIST. CONC.	FIN. No.FL40 PORCELAIN TILE	FIN. No.FL40 PORCELAIN	DRYWALL	FIN. PT14 /WALL TILE: FL39	WHITE	T-BAR	FIN. CT36	WHITE	REFER TO INTERIOR ELEVATIONS ON A2.04, STAFF ROOM WALLS PAINTED EGGSHELL FINISH.
105	UNIVERSAL W/RM	EXIST. CONC.	FIN. No.FL40 PORCELAIN TILE	EIN. No.FL40 PORCELAIN	DRYWALL	FIN. PT14 /WALL TILE: FL39	WHITE	T-BAR	FIN. CT36	WHITE	REFER TO FIN. SCHED. FOR FINISHES. PROVIDE 4"4 x 12" TILE BASE CUT FROM SPECIFIED FLOOR TILE. ASHROOMS WALLS PAINTED EGGSHELL FINISH. PROVIDE FIN. No FL39. CERAMIC WALL TILE (REFER TO WASHROOM ELEVATIONS A2.04)
106	UNISEX W/RM	EXIST. CONC.	FIN. No.L40 PORCELAIN FLOOR TILE	FIN. No.FL40 PORCELAIN BASE	DRYWALL	FIN. PT14 /WALL TILE: FL39	WHITE	T-BAR	FIN. CT36	WHITE	SEAL ALONG PERIMETER OF NEW FLOOR TILE TO WASHROOM FIXTURES.
107	JANITOR ROOM	EXIST. CONC.	EXIST. CONC. W/HARDENER SEALER	—	CEMENT BOARD AND DRYWALL	FIN. PT14	WHITE	DRYWALL	FIN. PT14	WHITE	PROVIDE HIGH HUMIDITY FINISH ON ALL WALLS. SEE SPECIFICATIONS. PROVIDE CONTINUOUS ANTI BACTERIAL SEALANT AT WALL TO FLOOR JUNCTIONS. • REFER TO NOTE-5 FOR COLUMN TREATMENT. • REFER TO NOTE-6 FOR FOR EXPOSED COLUMN MOUNTED CONDUITS.
108	RETAIL LOADING	EXIST. CONC.	EXIST. CONC. W/HARDENER SEALER	—	EXIST. BLOCK WALL	FIN. PT14	WHITE	EXPOSED	FIN. PT14	WHITE	ALL EXPOSED CEILING ELEMENTS (ROOF DECK, TRUSSES, BEAMS, DUCTING, CONDUIT, PLUMBING ETC.,) TO BE PAINTED TO MATCH FIN. PT14. WAREHOUSE WALLS PAINTED SEMI-GLOSS FINISH. PROVIDE PROTECTIVE WALL PLYWOOD, GOOD ONE SIDE AS WHERE INDIATED ON PLAN.

Room Finishes Schedule **2**
Scale: N.T.S. **A4.02**

D O O R S C H E D U L E											
	LOCATION	SIZE W x H x D	DOOR				FRAME			FIRE RATING	REMARKS
			TYPE	MATERIAL	FINISH	GLASS	TYPE	MATERIAL	FINISH		
GROUND FLOOR											
D141	EXTERIOR TO VESTIBULE	EXIST.	-	-	-	-	-	-	-	-	EXIST. DOOR TO REMAIN
D140	RETAIL TO VESTIBULE	EXIST.	-	-	-	-	-	-	-	-	EXIST. DOOR TO REMAIN
D139	VESTIBULE TO RETAIL	EXIST.	-	-	-	-	-	-	-	-	EXIST. DOOR TO REMAIN
D129	RETAIL LOADING TO EXTERIOR	EXIST.	-	-	PT FIN.#27 (INT. SIDE)	-	-	-	PT FIN.#27 (INT. SIDE)	-	EXIST DOOR BY LANDLORD. -REFER TO SPECS FOR HARDWARE
D128	RECEIVING TO EXTERIOR	EXIST.	-	-	-	-	-	-	-	-	EXIST DOOR BY LANDLORD. -REFER TO SPECS FOR HARDWARE
D130	SERVICE CORRIDOR TO RETAIL LOADING	EXIST.	-	-	PT FIN.#27	-	-	-	PT FIN.#27	-	EXIST DOOR BY LANDLORD. -REFER TO SPECS FOR HARDWARE
D131	WAREHOUSE-2 TO SERVICE CORRIDOR	EXIST.	-	-	PT FIN.#27	-	-	-	PT FIN.#27	-	EXIST DOOR BY LANDLORD. -REFER TO SPECS FOR HARDWARE
D136	WAREHOUSE-1 TO SERVICE CORRIDOR	EXIST.	-	-	PT FIN.#27	-	-	-	PT FIN.#27	-	EXIST DOOR BY LANDLORD. -REFER TO SPECS FOR HARDWARE
D101	RETAIL TO WAREHOUSE	2'-2'-6" x 7'-0" x 1 3/4"	B	REFER TO SPEC	REFER TO SPEC	REFER TO SPEC	F3	METAL	PT. FIN. TO MATCH DOOR COLOUR, AS PER SPEC	-	IMPACT TRAFFIC DOORS, DOOR FRAME FIN: SEMI-GLOSS SHEEN ALKYD SEE SPEC SECTION 08 38 19:
D102	RETAIL TO OFFICE	3'-2" x 7'-10" x 1 3/4"	A	SOLID WOOD W/VENEER	REFER TO STD DET'L B803	-	F1	SOLID WOOD	FIN. #WD29	-	STAINLESS STEEL KICK PLATE ON RETAIL SIDE ONLY (DOOR AND FRAME BY MILLWORK CONTRACTOR)
D103	WAREHOUSE TO UNIVERSAL WSHROOM	3'-2" x 7'-0" x 1 3/4"	C	HM	PT FIN. #PT27	-	F2	HM	PT FIN. #PT27	-	SEE MECHANICAL FOR DOOR GRILLE REQUIREMENTS SEE NOTE-4
D104	WAREHOUSE TO JANITOR RM.	3'-2" x 7'-0" x 1 3/4"	C	HM	PT FIN. #PT27	-	F2	HM	PT FIN. #PT27	-	SEE MECHANICAL FOR DOOR GRILLE REQUIREMENTS SEE NOTE-4. PROVIDE DOOR CLOSER TO MAINTAIN 0-HR SEPARATION.
D105	WAREHOUSE TO UNISEX WASHROOM	3'-2" x 7'-0" x 1 3/4"	C	HM	PT FIN. #PT27	-	F2	HM	PT FIN. #PT27	-	SEE MECHANICAL FOR DOOR GRILLE REQUIREMENTS. SEE NOTE-4

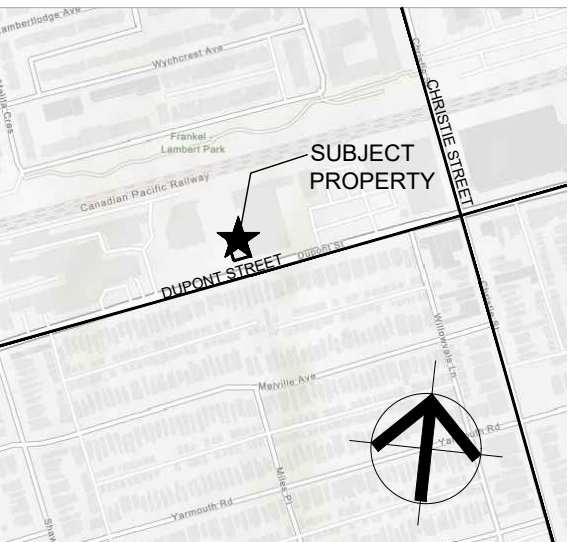
Door Schedule **1**
Scale: N.T.S. **A4.02**



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General Notes:

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

8	Feb. 8, 2021	ISSUED FOR PERMIT & TENDER	VBC
7	Jan. 27, 2021	Issued for 90% Drawings Review	VBC
6	Jan. 21, 2021	Re-issued for BB Coordination	VBC
5	Jan. 19, 2021	Issued for 60% Drawings Review	VBC
4	Dec. 22, 2020	Issued for 30% Drawings Review	VBC
3	Dec. 22, 2020	Re-issued for BB Coordination	VBC
2	Nov. 6, 2020	Issued for BB Coordination	LG
1	Oct. 27, 2020	Issued for Constulant Review	LG
Rev.: Date:		Description:	Initial



ISSUED FOR PERMIT & TENDER			
Issued for:			
Feb. 8, 2021			
Issue Date:			
125569	As Noted		VG
Project No.:	Scale:	Drawn by:	Checked by:

LCBO Store No.668
Interior Fit-Up
740 Dupont St.
Toronto, ON

Room Finishes Schedule,
Door Schedule & Door,
Frame and Screen Types
Drawing Title:

A4.02

Sheet No.:

GENERAL

- THIS IS A IMPERIAL PROJECT. UNLESS OTHERWISE NOTED, ALL LENGTHS ARE IN FEET / INCHES.
- 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.
- “WSP-S” REFERS TO WSP CANADA INC STRUCTURAL CONSULTANT.
- PROVIDE ALL MATERIAL AND LABOUR REQUIRED FOR COMPLETION OF THE WORK.
- PRIOR TO CONSTRUCTION, REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH DRAWINGS PROVIDED BY ALL OTHER CONSULTANTS, AND WITH EXISTING CONDITIONS.
- REPORT DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
- VERIFY EXISTING DIMENSIONS AND CONDITIONS ON SITE PRIOR TO CONSTRUCTION.
- USE THESE DRAWINGS ONLY FOR THE PURPOSE IDENTIFIED IN THE REVISIONS COLUMN. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED “ISSUED FOR CONSTRUCTION”.
- DO NOT USE INFORMATION ON THESE DRAWINGS FOR ANY OTHER PROJECT OR WORKS.
- DO NOT SCALE THESE DRAWINGS.
- ALL SECTIONS, DETAILS, AND STATEMENTS NOTED AS “TYPICAL” APPLY TO LIKE/SIMILAR CONDITIONS IN THE STRUCTURE.
- SEE ARCHITECTURAL DRAWINGS FOR FIRE RATING AND FIREPROOFING REQUIREMENTS.
- STRUCTURAL DESIGN ASSUMES NON-LOAD RESTRICTED ULC FIRE RATED ASSEMBLIES, AND APPROPRIATE MATERIALS MUST BE USED.
- 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.
- 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.
- 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.
- 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

- STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2012 ONTARIO BUILDING CODE (OBC), INCLUDING 2019 AMENDMENTS, SUPPLEMENTED BY THE 2015 NATIONAL BUILDING CODE OF CANADA STRUCTURAL COMMENTARY.
- 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.
- THE VALUES FOR CLIMATIC DATA USED IN THE DETERMINATION OF DESIGN LOADS HAVE BEEN OBTAINED FROM THE 2012 OBC FOR THE SPECIFIC LOCATION OF TORONTO.
- BASED ON THE USE AND OCCUPANCY, THE BUILDING IS DESIGNED TO THE REQUIREMENTS OF A NORMAL IMPORTANCE CATEGORY.
- SELF WEIGHT (SWT) IS DUE TO THE WEIGHT OF THE STRUCTURE ITSELF. IT VARIES WITH THE STRUCTURAL SYSTEM.
- SUPERIMPOSED DEAD LOADS (SDL) ARE NON-STRUCTURAL DEAD LOADS DUE TO NON-STRUCTURAL TOPPINGS, FINISHES, PARTITIONS, ROOFING MATERIALS, SUSPENDED EQUIPMENT, PAVERS, SOIL, ETC.
- DEAD LOAD (DL) IS THE SELF WEIGHT OF THE STRUCTURE PLUS THE SUPERIMPOSED DEAD LOAD.
- 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 $\gamma_x(SLS)$ / $\gamma_x(ULS)$ GIVEN BELOW.
- IF ONLY ONE VALUE IS GIVEN FOR A POINT LOAD, CONSIDER IT LIVE LOAD.
- FOR CONNECTION LOADS, “+” SIGN INDICATES TENSION AND “-” SIGN INDICATES COMPRESSION, EXCEPT FOR COLUMN LOADS WHERE “+” SIGN INDICATES COMPRESSION AND “-” SIGN INDICATES TENSION.

SHOP DRAWINGS

- 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.
- 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.
- 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.
- 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 IDENTIFIED.
- AFTER REVIEW, SHOP DRAWINGS WILL BE STAMPED AND RETURNED. DO NOT COMMENCE FABRICATION UNTIL RETURNED SHOP DRAWINGS HAVE BEEN EXAMINED.
- SHOP DRAWINGS MARKED “REVIEWED” CAN BE USED FOR FABRICATION.
- SHOP DRAWINGS MARKED “REVIEWED AS NOTED” CAN BE USED FOR FABRICATION AFTER THE REVISIONS NOTED ARE IMPLEMENTED.
- SHOP DRAWINGS MARKED “REVISE AND RESUBMIT” REQUIRE SUBSTANTIAL REVISIONS AND MUST BE RESUBMITTED FOR ADDITIONAL REVIEW PRIOR TO FABRICATION.
- 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.
- DRAWINGS MARKED “NOT REVIEWED” SHOW WORKS WHICH ARE NOT WITHIN THE SCOPE OF STRUCTURAL CONSULTING SERVICES.

FIELD REVIEW

- 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.
- ASSIST THE CONSULTANTS DOING FIELD REVIEW, AND PROVIDE SAFE ACCESS TO WORK AREAS AS REQUIRED.
- CHECK THE WORK PRIOR TO FIELD REVIEW TO CONFIRM IT IS COMPLETED AND IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- NOTIFY THE CONSULTANT 48 HOURS PRIOR TO CONCRETE POURS, BACKFILLING, AND COVERING UP THE STRUCTURE WITH FINISHES.

EXISTING STRUCTURE

- EXISTING CONDITIONS ARE ASSUMED. SURVEY THE EXISTING STRUCTURE AFTER REMOVING FINISHES AND REPORT ANY VARIATIONS TO THE STRUCTURAL CONSULTANT BEFORE PROCEEDING WITH THE WORK
- TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE EXISTING STRUCTURE DURING CONSTRUCTION.
- 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.
- 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.
- UNDERTAKE CHIPPING, CUTTING, CORING, REPAIRS, PATCHING, AND REMOVAL OF DEBRIS. MAKE CUTS WITH THE PROPER SAWS AND BITS WHEN A CLEAN LINE IS REQUIRED.
- DO NOT ALTER MATERIAL PROPERTIES OF THE STRUCTURAL STEEL WHICH IS TO REMAIN BY CUTTING AND DEMOLITION PROCEDURE.
- MAKE GOOD ALL EXISTING WORK DISTURBED BY SHORING OPERATIONS, EXCAVATION AND OTHER CONSTRUCTION PROCEDURES.

STRUCTURAL STEEL

- CONFORM TO CSA S16 “LIMIT STATES DESIGN OF STEEL STRUCTURES”.
- FABRICATOR TO BE CERTIFIED BY THE CANADIAN WELDING BUREAU UNDER REQUIREMENTS OF CSA W47.1, DIVISION 1 OR 2, AND/OR CSA W55.3.
- WELDERS TO BE CWB CERTIFIED. WELDING TO BE IN ACCORDANCE WITH CSA W59.
- 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
- 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.
- 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.
- WHERE SLOTTED CONNECTIONS ARE SHOWN ON STRUCTURAL DRAWINGS, FINGER TIGHTEN BOLTS TO A SNUG FIT AND BURR THREADS TO PREVENT NUTS FROM WORKING LOOSE.
- 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.
- DO NOT CUT HOLES OR OTHERWISE MODIFY STRUCTURAL MEMBERS ON SITE.
- PROTECT COMBUSTIBLE MATERIALS AND FINISHES DURING WELDING OPERATIONS.
- UNLESS OTHERWISE NOTED, CLEAN STEEL TO SSPC SP1 (SOLVENT CLEANING) AND APPLY ONE COAT OF SHOP PAINT.
- CLEAN STEEL WHICH WILL RECEIVE A FINISHED COAT OF PAINT ON SITE TO SSPC SP7 (BRUSH OFF BLAST CLEANING) AND APPLY SHOP PRIMER.
- PROVIDE VENT HOLES IN HSS SECTIONS WHERE REQUIRED FOR GALVANIZING PROCESS. MAXIMUM SIZE 16 (5/8”) DIAMETER. FILL WITH VENT HOLE PLUGS AFTER GALVANIZING.
- PROVIDE ALL ERECTION BRACING REQUIRED TO KEEP THE STRUCTURE STABLE AND IN ALIGNMENT DURING CONSTRUCTION.

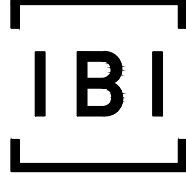
REJECTED WORK

- 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 TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER.

DRAWING ABBREVIATIONS						TG-ABBR-01	
ABUT	ABUTMENT	DW	DRAWING	IZ	TENSION DEVELOPMENT LENGTH OF REBAR	SPEC	SPECIFICATIONS
ADDL	ADDITIONAL	DWL	DOVEL	IZC	COMPRESSION DEVELOPMENT LENGTH OF REBAR	SPF	SPRUCE PINE FIR
AEC	ARCHITECTURALLY EXPOSED CONCRETE	EA	EACH	IBH	TENSION EMBEDMENT LENGTH WITH STANDARD HOOK	SR	STUD RAIL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	ECR	EPOXY COATED REINFORCEMENT	IE	LEFT END	SS	STAINLESS STEEL
AFS	ASPHALT IMPREGNATED FIBERBOARD	EBF	ECCENTRICALLY BRACED FRAME	LO	LONG	ST	STRAIGHT
ALT	ALTERNATE	EE	EACH END	LL	LOWER LEVEL	STD	STANDARD
ARCH	ARCHITECTURAL	EF	EACH FACE	LH	LONG LEG HORIZONTAL	STE	SHEAR TRANSFER ELEMENTS
A-ROD	ANCHOR ROD	EJ, EXP JT	EXPANSION JOINT	LLV	LONG LEG VERTICAL	STG	STAGGERED
ASPH	ASPHALT	ELECT	ELECTRICAL	LONG	LONGITUDINAL	STR	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
BUP	BURIED CONCRETE PILE	ECS	EDGE OF SLAB	MECH	MECHANICAL	SYMM	SYMMETRICAL
BEW	BOTTOM EACH WAY	ES	EACH SIDE	MEZZ	MEZZANINE	I	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	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	TTO	TOP OF
CANT	CANTILEVER	FMC	FULL MOMENT CONNECTION (FOR FULL MOMENT CAPACITY)	O/C	ON CENTER	TOS	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	TOP	TOP OF FOOTING
CDL	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
CP	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	TSR	TENSION SPlice 'S'
CMU	CONCRETE MASONRY UNITS	H	TOTAL THICKNESS, SLAB THICKNESS AWAY FROM DROP PANEL	PT	POST TENSIONED	TSS	TENSION SPlice 'S'
ONT	STEEL DECK CORE NOMINAL THICKNESS	HL	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	(H)	HIGH BEAM	RA	ROOF ANCHOR	U-BAR	U-BAR
CONC	CONCRETE	HC	HOLLOWCORE	RD	ROOF DRAIN	UDS	UNIFORMLY DISTRIBUTED BARS
CONT	CONTINUOUS	HD	HOLD DOWN	RE	RIGHT END	U/F	UNDERSIDE OF FOOTING
CONTO	CONTINUED	HDC	HOT DIPPED GALVANIZED	REIN	REINFORCEMENT	UL	UPPER LEVEL
CONST.J.	CONSTRUCTION JOINT	HEF	HORIZONTAL EACH FACE	REM	REMAINDER	ULS	ULTIMATE LIMIT STATE
CP	CONNECTION PLATE	HIF	HORIZONTAL INSIDE FACE	REQ'D	REQUIRED	U/S	UNDERSIDE
CPL	CAP PLATE	HIV	HOOK EACH END	REV	REVISION	UN. UNO	UNLESS NOTED OTHERWISE
CS	COMPRESSION LAP SPLICE	HVC	HORIZONTAL IN CENTRE	RFD	RIGID FRAME	UPTRN	UPTURNED
COV	CLEAR COVER	HOV	HORIZONTAL OUTSIDE FACE	RL	REFERENCE LINE	V. VERT	VERTICAL
CW	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	VIC	VERTICAL IN CENTRE
DEMO	DEMOLITION	IBA	INTEGRITY BARS ADDED	REQ'D WITH	REQUIRED WITH	VOC	VERTICAL OUTSIDE FACE
DET	DETAIL	IBB	INTEGRITY BOTTOM BARS (THROUGHOUT)	SDF	STEP DOWN FOOTING (IN DIRECTION OF ARROW)	VSC	VERTICALLY SLOTTED CONNECTION
D.FIR-L	DOUGLAS FIR-LARCH	ID	INSIDE DIAMETER	SEC	SECTION	VB	WALL BELOW
DIA Ø	DIAMETER	INT	INTERIOR	SIM	SIMILAR	VIC	WIND COLUMN
DIV	DIVIDER BEAM	IF	INSIDE FACE	SJ	STEEL JOIST	w/o	WITHOUT
DMA	DRILLED MASONRY ANCHOR, SEE GENERAL NOTES	JG	JOIST GRIDER	SL	SLAB, SHELF ANGLE	WP	WORK POINT
DN	DOWN	KB	KNEE BRACING	SLBB	SHORT LEG BACK TO BACK	WSP-S	WSP STRUCTURAL
DNV	DOUBLE NUT AND WASHER	LJ	LOW BEAM	SLS	SERVICEABILITY LIMIT STATE	WVF	WELDED WIRE FABRIC
DP	DEEP	2-L	BACK TO BACK ANGLES	SOG	SLAB-ON-GRADE	ZRP	ZINC RICH PAINT



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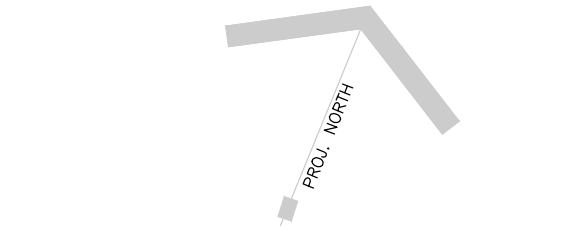
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Context Plan



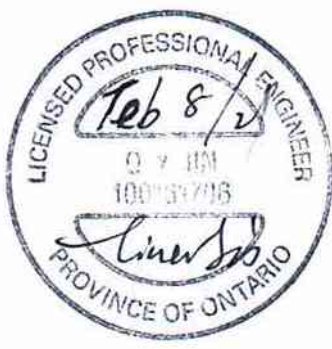
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3	FEB 8, 2021	90% Review	WSP
2	JAN 27, 2021	90% Review	WSP
1	JAN 19, 2021	60% Review	WSP

Rev.: Date: Description: Initial

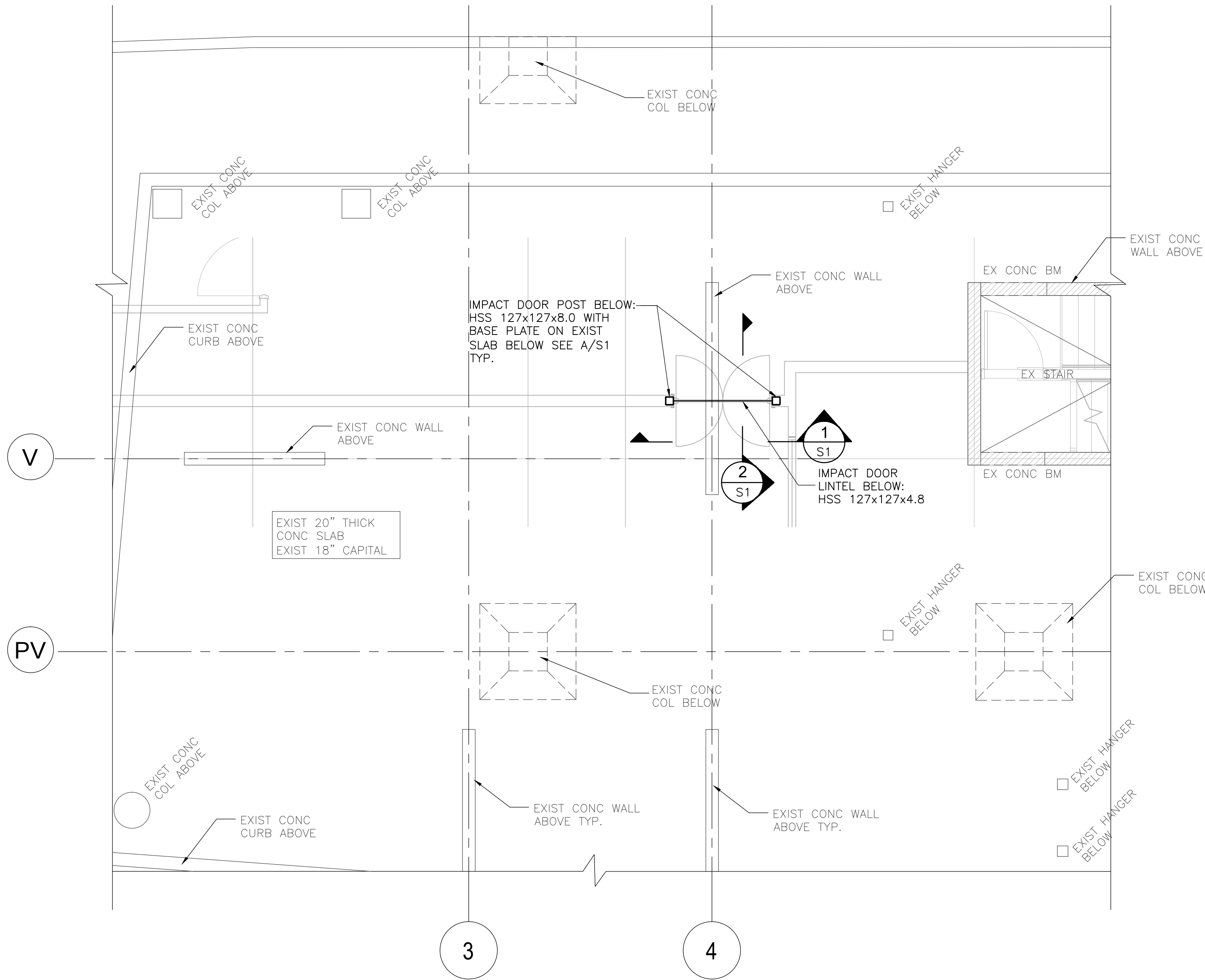


PERMIT AND TENDER
Issued for:
FEB 8, 2021
Issue Date:
17M-02500-E2N.T.S. KR TJ
Project No.: Scale: Drawn by: Checked by:

LCBO Store No. 668
Interior Fit-Up
Toronto, Ontario

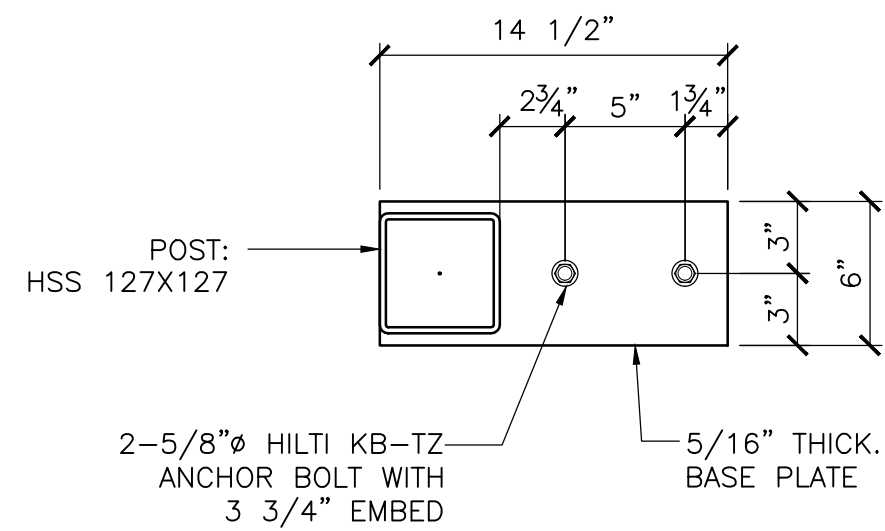
Project:
GENERAL NOTES
AND ABBREVIATIONS

Drawing Title:
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Sheet No.:

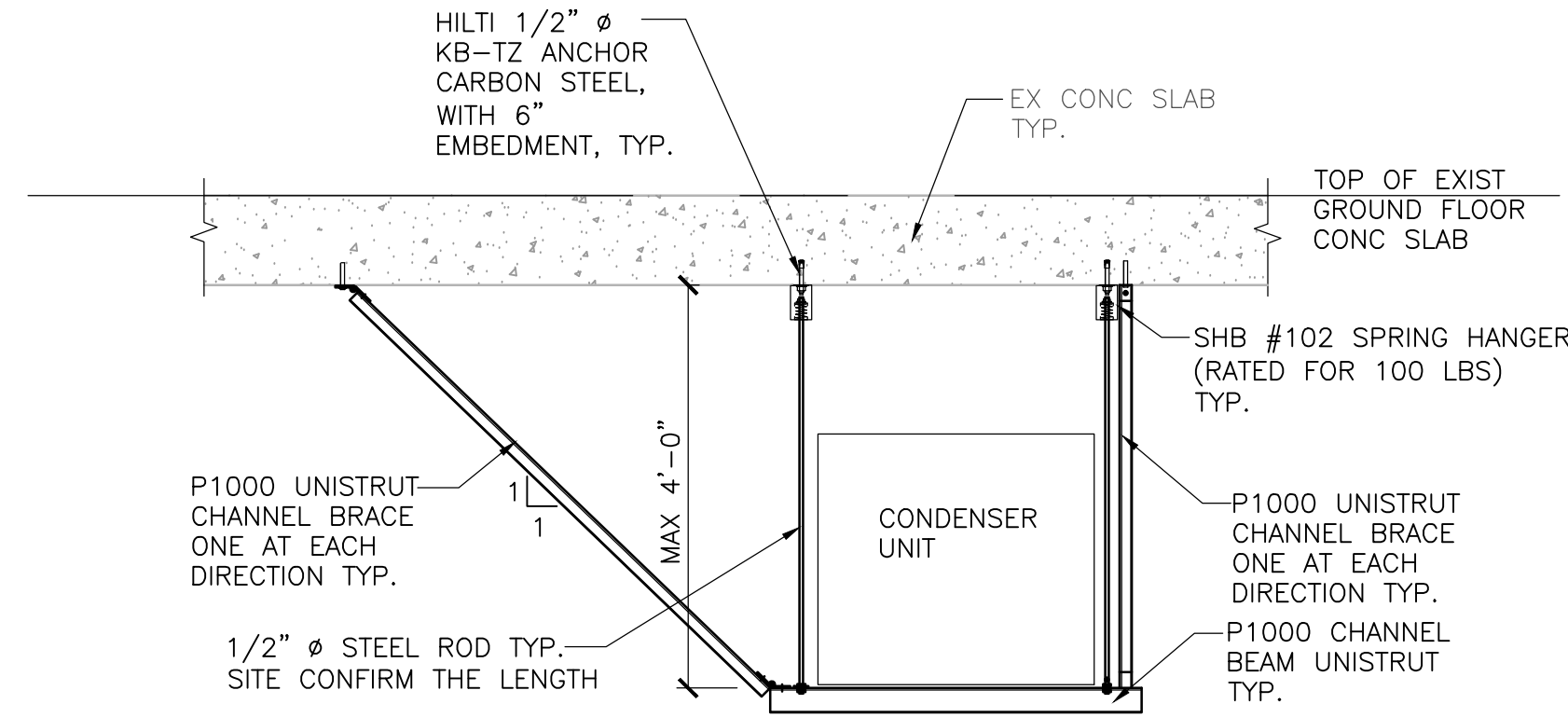


PART EXISTING 2ND FLOOR - IMPACT DOOR FRAMING

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. REFER TO BASE BUILDING STRUCTURAL DRAWINGS FOR EXISTING SECOND FLOOR DESIGN LOADS.
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 DOOR.
7. SUBMIT SHOP DRAWINGS FOR STRUCTURAL STEEL CONNECTIONS, SHOP DRAWINGS TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR DESIGN.



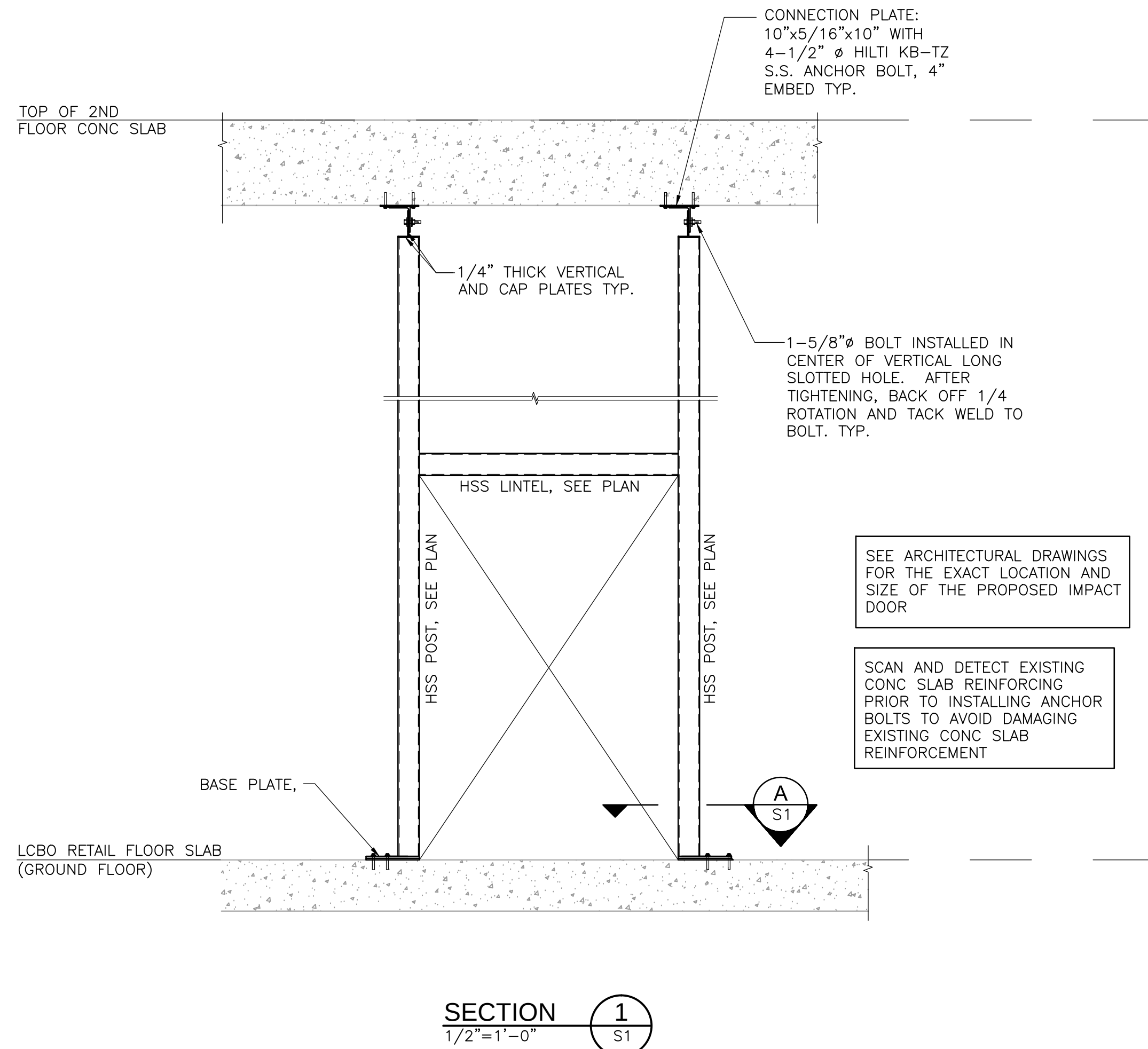
SECTION 1
1 1/2"=1'-0"



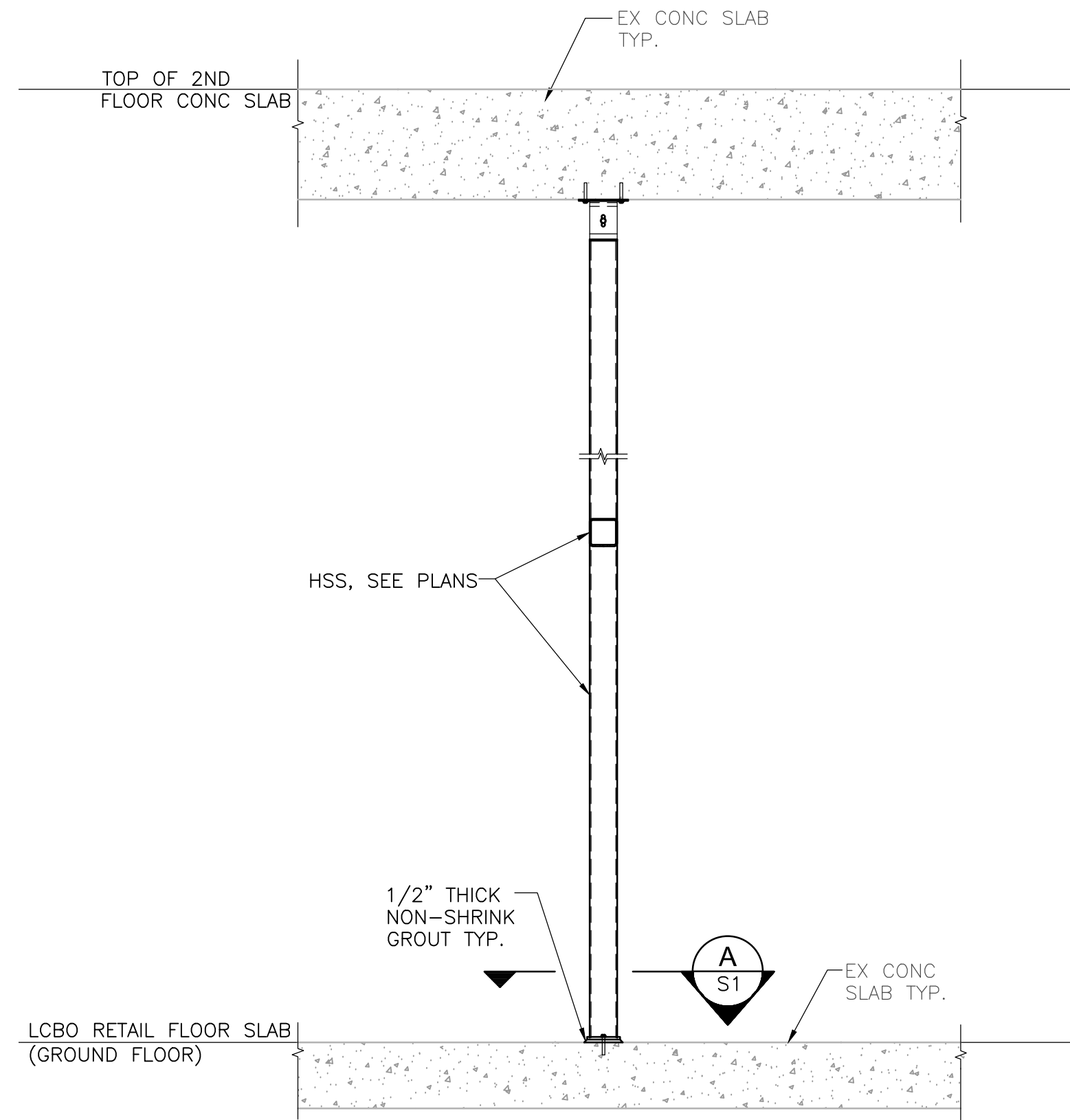
- NOTES:
- 1 THIS DETAIL APPLY TO CONDENSER UNIT-1 SUSPENDED FROM EXIST CONCRETE SLAB WITH MAXIMUM WEIGHT OF 200 LBS.
 2. THE INSTALLATIONS WILL BE PART OF NEELAND SCOPE OF WORK.
 3. CONNECTIONS FROM CONDENSER UNITS TO STRUCTURAL MEMBERS AS PER RECOMMENDATIONS FROM SUPPLIERS.
 4. CONTRACTOR TO SITE CONFIRM EXISTING CONCRETE SLAB CONDITIONS, REPORT TO ENGINEER WITH ANY VISUAL CRACKS.
 5. REFER TO NEELANDS, MECHANICAL AND ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF CONDENSER UNIT.
 6. REFER TO MANUFACTURER GUIDELINE FOR HILTI ANCHOR AND SHB #102 SPRING HANGER INSTALLATIONS.

CONDENSER UNIT SUPPORT DETAIL 3
1/2"=1'-0"

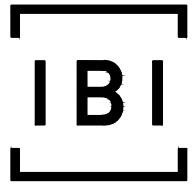
NEELANDS' SCOPE OF WORK



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



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



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Context Plan

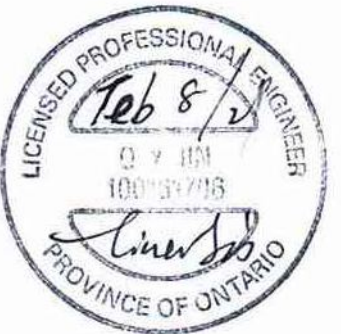


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3	FEB 8, 2021	90% Review	WSP
2	JAN 27, 2021	90% Review	WSP
1	JAN 19, 2021	60% Review	WSP

Rev.: Date: Description: Initial



PERMIT AND TENDER

Issued for:

FEB 8, 2021

Issue Date:

17M-02500-E2AS SHOWN KR TJ

Project No.: Scale: Drawn by: Checked by:

LCBO Store No. 668
Interior Fit-Up
Toronto, Ontario

Project:

IMPACT DOOR FRAMING
AND DETAIL

Drawing Title:

S1

Sheet No.:

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
	SQUARE CONE DIFFUSER
	LINEAR SLOT DIFFUSER
	ROUND CONE DIFFUSER
	RETURN AIR GRILLE
	SUPPLY FAN
	ROOF MOUTED EXHAUST FAN
	UNIT HEATER
	SUPPLY DUCT DOWN
	RETURN/EXHAUST DUCT DOWN
	SUPPLY DUCT UP
	RETURN/EXHAUST DUCT UP
	TEMPERATURE SENSOR
	THERMOSTAT
	HUMIDISTAT
	CO2 SENSOR
	CONTROL WIRING
	BALANCING DAMPER
	SPLITTER DAMPER
	FIRE DAMPER
	ACOUSTICALLY LINED DUCT
	EXTERNALLY INSULATED DUCT
	BASEBOARD HEATER
	FIRE EXTINGUISHER
	SPRINKLER HEAD - PENDANT
	SPRINKLER HEAD - CONCEALED
	SPRINKLER HEAD - SEMI RECESSED
	SPRINKLER HEAD - UPRIGHT
	FIRE HOSE CABINET
	FIRE PIPING
	CONDENSATE PIPING
	BELOW GRADE SANITARY
	BELOW GRADE STORM
	VENT PIPING

SPECIFICATION SECTIONS

SECTION	DESCRIPTION
20 05 00	BASIC MECHANICAL
20 07 00	MECHANICAL INSULATION
21 13 00	FIRE SUPPRESSION SPRINKLERS
21 22 00	FIRE EXTINGUISHERS
22 11 16	DOMESTIC WATER PIPING AND VALVES
22 11 19	DOMESTIC WATER PIPING SPECIALTIES
22 13 16	DRAIN AND VENT PIPING
22 33 00	ELECTRIC DOMESTIC HOT WATER HEATERS
22 42 00	PLUMBING FIXTURES AND FITTINGS
23 08 16	TESTING ADJUSTING AND BALANCING
23 23 00	REFRIGERANT PIPING AND ACCESSORIES
23 31 00	DUCTWORK AND ACCESSORIES
23 34 20	EXHAUST FANS
23 36 00	GRILLES AND DIFFUSERS

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 ACCORDANCE WITH NFPA 90A REQUIRMENTS, FACTORY TESTED FOR CLOSURE UNDER AIR FLOW, 1 1/2 HOUR OR 3 HOUR RATES AS REQUIRED AND COMPLETE WITH A CONSTANT FORCE TYPE 301 STAINLESS STEEL CLOSURE SPRING, BLADE LOCK ASSEMBLY, STEEL SLEEVE, AND UNLESS OTHERWISE SPECIFIED, A 74 OC 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 IF 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. OR APPROVED ALTERNATE.

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	CLEAN OUT (END OF PIPE)
	CLEAN OUT (FLOOR)
	WATER METER
	GAS METER
	SHUT OFF VALVE
	PIPE ELBOW UP
	PIPE ELBOW DOWN
	PIPE CAP
	P-TRAP
	FLOOR DRAIN w/ P-TRAP
	FUNNEL FLOOR DRAIN WITH P-TRAP
	ROOF DRAIN
	HUB DRAIN C/W P-TRAP
	CONNECT TO EXISTING
	OPEN END DUCT w/ WIRE MESH
	GRILL/DIFFUSER TAG
	EQUIPMENT TAG
	VARIABLE SPEED CONTROLLER
	BACKDRAFT DAMPER
	GAS PIPING

QUANTITY
2 OR MORE
TYPE
NECK SIZE/
GRILLE
FLOW
CFM
X-X-X' @ -XXX

SCHEDULE OF WATER SOURCE HEAT PUMP UNIT													
TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL NO.	AIR FLOW	ESP (IN W.C.)	COOLING CAPACITY	HEATING CAPACITY	FLOW GPM	ELECTRICAL		WEIGHT LBS	REMARKS
										MCA	POWER (V/PH/Hz)		
HP-1	OFFICE	OFFICE	MQUAY	WCCW012	400 CFM	0.2 in-wg	8,100 Btu/h	15,200 Btu/h	3.0	18.4 A	115 V / 1P/ 60 Hz	145 LB	EXISTING CEILING SUSPENDED HEAT PUMP UNIT C/W ECM, CONDENSATE PUMP AND BACNET INTERFACE. INSTALL WALL MOUNTED THERMOSTAT (THERMOSTAT TO BE SUPPLIED BY BASE BUILDING) C/W CONTROL WIRING IN CONDUIT.
HP-2	RETAIL	RETAIL CASHIER	MQUAY	WCCW060	2000 CFM	0.6 in-wg	45,600 Btu/h	68,200 Btu/h	15.2	9.0 A	575 V / 3P/ 60 Hz	330 LB	EXISTING CEILING SUSPENDED HEAT PUMP UNIT C/W ECM, CONDENSATE PUMP AND BACNET INTERFACE. INSTALL WALL MOUNTED TEMPERATURE SENSOR (SENSOR TO BE SUPPLIED BY BASE BUILDING) BY BAS CONTRACTOR C/W CONTROL WIRING IN CONDUIT. CONNECT TO BAS BY BAS CONTRACTOR.
HP-3	RETAIL	RETAIL	MQUAY	WCCW060	2000 CFM	0.6 in-wg	45,600 Btu/h	68,200 Btu/h	15.2	9.0 A	575 V / 3P/ 60 Hz	330 LB	EXISTING CEILING SUSPENDED HEAT PUMP UNIT C/W ECM, CONDENSATE PUMP AND BACNET INTERFACE. INSTALL WALL MOUNTED TEMPERATURE SENSOR (SENSOR TO BE SUPPLIED BY BASE BUILDING) BY BAS CONTRACTOR C/W CONTROL WIRING IN CONDUIT. CONNECT TO BAS BY BAS CONTRACTOR.
HP-4	RETAIL	RETAIL	MQUAY	WCCW060	2000 CFM	0.6 in-wg	45,600 Btu/h	68,200 Btu/h	15.2	9.0A	575 V / 3P/ 60 Hz	330 LB	EXISTING CEILING SUSPENDED HEAT PUMP UNIT C/W ECM, CONDENSATE PUMP AND BACNET INTERFACE. INSTALL WALL MOUNTED TEMPERATURE SENSOR (SENSOR TO BE SUPPLIED BY BASE BUILDING) BY BAS CONTRACTOR C/W CONTROL WIRING IN CONDUIT. CONNECT TO BAS BY BAS CONTRACTOR.
HP-5	WAREHOUSE	WAREHOUSE	MQUAY	WCCW024	800 CFM	0.6 in-wg	19,300 Btu/h	27,900 Btu/h	6.2	10.9A	208 V / 1P/ 60 Hz	193 LB	EXISTING CEILING SUSPENDED HEAT PUMP UNIT C/W ECM, CONDENSATE PUMP AND BACNET INTERFACE. INSTALL WALL MOUNTED TEMPERATURE SENSOR (SENSOR TO BE SUPPLIED BY BASE BUILDING) BY BAS CONTRACTOR C/W CONTROL WIRING IN CONDUIT. CONNECT TO BAS BY BAS CONTRACTOR.
HP-6	REMOTE WAREHOUSE	REMOTE WAREHOUSE	MQUAY	WCCW036	1200 CFM	0.5 in-wg	28,900 Btu/h	41,700 Btu/h	9.0	16.8A	208 V / 3P/ 60 Hz	221 LB	EXISTING CEILING SUSPENDED HEAT PUMP UNIT C/W ECM, CONDENSATE PUMP AND BACNET INTERFACE. INSTALL WALL MOUNTED TEMPERATURE SENSOR (SENSOR TO BE SUPPLIED BY BASE BUILDING) BY BAS CONTRACTOR C/W CONTROL WIRING IN CONDUIT. CONNECT TO BAS BY BAS CONTRACTOR.

SCHEDULE OF EXHAUST FANS													
EQUIPMENT ID	AREA SERVED	SERVICE	MANUFACTURER	MODEL NO.	TYPE	AIR FLOW	E.S.P	FAN RPM	FAN HP	V/Ph/Hz	Weight	DESCRIPTION	
EF-1	WASHROOMS	EXHAUST	GREENHECK	BSQ-70	INLINE	200 CFM	1.00 in-wg	--	0.25	120V/1P/60 Hz	76lb	PROVIDE NEW BELT-DRIVE INLINE EXHAUST FAN C/W EXTERNAL DISCONNECT, VIBRATION ISOLATOR, MOTOR COVER W/ INSULATION AND CONTROLS. EXHAUST FAN SHALL RUN ON TIME-OF-DAY SCHEDULE. CONNECT TO BAS BY BAS CONTRACTOR.	
EF-2	JANITOR ROOM	EXHAUST	GREENHECK	SP-A290	CEILING MOUNTED	100 CFM	0.75 in-wg	--	0.09	120V/1P/60 Hz	24lb	PROVIDE NEW CEILING MOUNTED EXHAUST FAN C/W EXTERNAL DISCONNECT, ACOUSTICAL INSULATION, BACKDRAFT DAMPER, HORIZONTAL DISCHARGE, ALUMINUM WHITE GRILLE, FILTER, HANGING VIBRATION ISOLATIONS. EXHAUST FAN SHALL RUN CONTINUOUSLY.	
EF-3	STAFF ROOM	EXHAUST	GREENHECK	SP-A390	CEILING MOUNTED	150 CFM	0.75 in-wg	--	0.11	120V/1P/60 Hz	24lb	PROVIDE NEW CEILING MOUNTED EXHAUST FAN C/W EXTERNAL DISCONNECT, ACOUSTICAL INSULATION, BACKDRAFT DAMPER, HORIZONTAL DISCHARGE, ALUMINUM WHITE GRILLE, FILTER, HANGING VIBRATION ISOLATIONS. LCBO CONTRACTOR SHALL PROVIDE 15 MIN. TIMER WITH NO HOLD. VERIFY LOCATION OF TIMER IN STAFF ROOM WITH LCBO COORDINATOR. TIMER SHALL BE AIR KING TIMER SWITCH MODEL # AKT15. TIMER SHALL BE WHITE COLOUR C/W WHITE WALL PLATE. COORDINATE WITH ARCHITECT AND LCBO FOR EXACT COLOUR.	
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 OR EXHAUST LOUVER. 2. FLEXIBLE DUCT CONNECTIONS SHALL BE PROVIDED ON INTAKE AND DISCHARGE DUCTS AT FAN AND SHALL BE DURO-DYNE OR EQUIVALENT, ULC APPROVED													

SCHEDULE OF DOMESTIC WATER HEATER									
EQUIPMENT ID	AREA SERVED	MANUFACTURER	MODEL NO.	RECOVERY RATE	KW	VOLTAGE	PHASE	REMARKS	
HWT-1	WASHROOM, STAFF ROOM AND EYE WASH ON GROUND FLOOR	AO SMITH	DEL-30-3-0	120PH@100F TEMPERATURE RISE	3	208 V	1	PROVIDE NEW HOT WATER TANK. PROVIDE WIRING MODIFICATION ON SITE FROM 208V/3PH TO 208V/1PH NON-SIMULTANEOUS	

SCHEDULE OF FORCED FLOW HEATER							
EQUIPMENT ID	AREA SERVED	MANUFACTURER	MODEL NO.	DIMENSION	KW	VOLTAGE	PHASE
FFH-1	VESTIBULE	OUELLET	OKC04036-T	23"X16"X5"	4	600 V	3
PROVIDE NEW WALL TYPE SURFACE MOUNTED TAMPERPROOF FORCED FLOW HEATER C/W DISCONNECT, CONTROL RELAY, REMOTE WALL MOUNTED TEMPERATURE SENSOR. CONNECT TO BAS BY BAS CONTRACTOR. HEATER COLOR TO BE CONFIRMED WITH ARCHITECT.							

SCHEDULE OF BASEBOARD HEATER							
EQUIPMENT ID	AREA SERVED	MANUFACTURER	MODEL NO.	LENGTH	KW	VOLTAGE	PHASE
BBH-1	STAFF ROOM	OUELLET	OFM 0502	28"	.5	120 V	1
PROVIDE NEW BASEBOARD HEATER C/W BUILT-IN THERMOSTAT W/ KNOB. SUPPLY AND INSTALL BY MECHANICAL CONTRACTOR. POWER TO BE PROVIDED BY ELECTRICAL CONTRACTOR. COLOR: WHITE							
BBH-2	UNIVERSAL WASHROOM	OUELLET	OFM 0502	28"	.5	120 V	1
PROVIDE NEW BASEBOARD HEATER C/W BUILT-IN THERMOSTAT W/ KNOB. SUPPLY AND INSTALL BY MECHANICAL CONTRACTOR. POWER TO BE PROVIDED BY ELECTRICAL CONTRACTOR. COLOR: WHITE							
BBH-3	UNISEX WASHROOM	OUELLET	OFM 0502	28"	.5	120 V	1
PROVIDE NEW BASEBOARD HEATER C/W BUILT-IN THERMOSTAT W/ KNOB. SUPPLY AND INSTALL BY MECHANICAL CONTRACTOR. POWER TO BE PROVIDED BY ELECTRICAL CONTRACTOR. COLOR: WHITE							

PLUMBING FIXTURE SCHEDULE	
PLUMBING FIXTURE	FIXTURE DESCRIPTION
BARRIER FREE LAVATORY	BARRIER FREE LAVATORY SHALL BE AMERICAN STANDARD # 0965.000.0059.20 "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 LEEDGE, SEMI-PEDESTAL P-TRAP COVER. FAUCET SHALL BE CHICAGO FAUCETS MARATHON # 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, DRAIN-MCGUIRE # 153AC OPEN GRID DRAIN, SUPPLY-MCGUIRE # H170BVB, P-TRAP-MCGUIRE # 8872C8SAN, CARRIER JAY R SMITH # 0700-Z-M-B. REFER TO SPEC. SECTION 22400 FOR FULL SPECIFICATION.
BARRIER FREE WATER CLOSET	BARRIER FREE WATER CLOSET SHALL BE ZURN Z5660 ECOVANTAGE WHITE VITREOUS CHINA WATER CLOSET COMBINATION WITH ELONGATED LOW CONSUMPTION (6L) BOWL WITH PRESSURE, ASSISSED SIPHON JET FLUSHING ACTION, SEAT ZURN Z5957SS-EL ELONGATED SOLID PLASTIC OPEN FRONT WHITE SEAT WITH COVER AND CHECK HINGE.
EYE WASH STATION	EYEWASH SHALL BE GUARDIAN MODEL # G6022 EYEWASH-DRENCH HOSE UNIT c/w 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, 6" 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 HOSE GUIDE OPTION, 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 # 305VBR-KK-HOSE-58 200 MM CENTRESET WALL MOUNT FAUCET ASSEMBLY WITH BRASS LEVER HANDLES, VACUUM BREAKER, INTEGRAL STOPS, AND 1800 MM OF HOSE WITH HANGER. REFER TO SPEC. SECTION 22 42 00 FOR FULL SPECIFICATION.
STAFF ROOM SINK	LUNCH ROOM COUNTERSINK SHALL BE FRANKIE 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-25-1ST "SYMMETRIX" 200 MM CENTER SINGLE LEVER HANDLE KITCHEN SINK FAUCET WITH SWING SPOUT WITH AERATOR AND LONG SUPPLY TUBS. REFER TO SPEC. SECTION 22 42 00 FOR FULL SPECIFICATION.

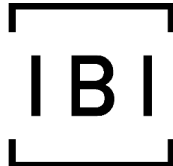
SCHEDULE OF GRILLES AND DIFFUSERS (E.H. PRICE)					
TAG	DIFFUSER TYPE	MODEL NUMBER	SIZE	FACTORY FINISH	DESCRIPTION
A	SQUARE SUPPLY AIR DIFFUSER	SCDA-24"x24"	AS SHOWN	TO ARCH. DIRECTION	4 CONE DIFFUSER, C/W SECTORIZING BAFFLE (QUADRANT BLANK). COLOR: WHITE
B	SUPPLY AIR GRILLE	500D	AS SHOWN	TO ARCH. DIRECTION	DOUBLE DEFLECTION, C/W STEEL DAMPER, COLOR: WHITE
C	EGG CRATE FACE RETURN	80F	AS SHOWN	TO ARCH. DIRECTION	ALUMINUM 1/2"x1/2" GRID CORE. COLOR: WHITE
D	EXHAUST AIR GRILLE	530D	AS SHOWN	TO ARCH. DIRECTION	1/2" BLADE SPACING, C/W STEEL DAMPER, T-BAR OR DRYWALL MOUNTED. COLOR: WHITE
E	TRANSFER AIR GRILLE	530	AS SHOWN	TO ARCH. DIRECTION	1/2" BLADE SPACING, DRYWALL MOUNTED. COLOR: WHITE
F	DOOR GRILLE	STG1-6F	AS SHOWN	TO ARCH. DIRECTION	HEAVY DUTY STEEL WITH 1 1/2" FLAT BORDER BOTH SIDES. COLOR: GRAY (TO BE CONFIRMED WITH ARCHITECT)
G	DOOR GRILLE	1900A	AS SHOWN	TO ARCH. DIRECTION	1 1/2" HOUR FIRE RATED, ADJUSTABLE Z-BLADE LOUVERS. COLOR: GRAY (TO BE CONFIRMED WITH ARCHITECT)
NOTES: BALANCING DAMPERS TO BE LOCATED WITHIN CEILING SPACE SEPARATE FROM THE GRILLES AND DIFFUSERS FOR VOLUME CONTROL UNLESS OTHERWISE NOTED.					

MINIMUM PLUMBING FIXTURE OUTLET PIPE SIZE				
PLUMBING FIXTURE	CDW SIZE	DHW SIZE	SANITARY SIZE	VENT TEMPERED WATER
BARRIER FREE LAVATORY	1/2"	1/2"	1 1/2"	1 1/4"
BARRIER FREE WATER CLOSET	1/2"		3"	1 1/2"
EYE WASH STATION				1/2"
JANITOR SINK	1/2"	1/2"	3"	1 1/2"
STAFF ROOM SINK	1/2"	1/2"	3"	1 1/2"

DRAWING LIST	
DRAWING NO.	SHEET NAME
M-1	MECHANICAL SPEC, DRAWING LIST & LEGEND
M-2	MECHANICAL DETAILS
M-3	HVAC LAYOUT
M-4	PLUMBING LAYOUT
M-5	FIRE PROTECTION LAYOUT

REQUIRED DOCUMENTATION FOR SUBSTANTIAL PERFORMANCE & FINAL GENERAL COMFORMANCE LETTERS - LCBO.

- AIR BALANCING REPORT
- NFPA 13 CONFORMANCE LETTER, SEALED BY CONTRACTOR'S PROFESSIONAL ENGINEER.
- NFPA 14 CONFORMANCE LETTER, SEALED BY CONTRACTOR'S PROFESSIONAL ENGINEER.



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Context Plan



General Notes

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4	09/02/2021	ISSUED FOR PERMIT & TENDER	ML
3	27/01/2021	ISSUED FOR 80% REVIEW	ML
2	19/01/2021	ISSUED FOR 60% REVIEW	ML
1	22/12/2020	ISSUED FOR 30% REVIEW	ML

Rev.	Date	Description	Initial
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ISSUED FOR PERMIT & TENDER

Issued by:			
08/02/2021			
Issue Date:			
17M-02500-E2	As indicated	ML	FL
Project No.:	Scale:	Drawn By:	Checked By:

LCBO Store No. 668
Toronto, ON
Interior Fit-up

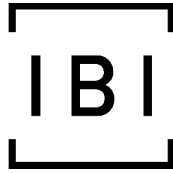
Project:

**MECHANICAL SPEC,
DRAWING LIST & LEGEND**

Drawing Title:

M-1

Sheet No.:



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Context Plan



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Toronto, ON
Interior Fit-up

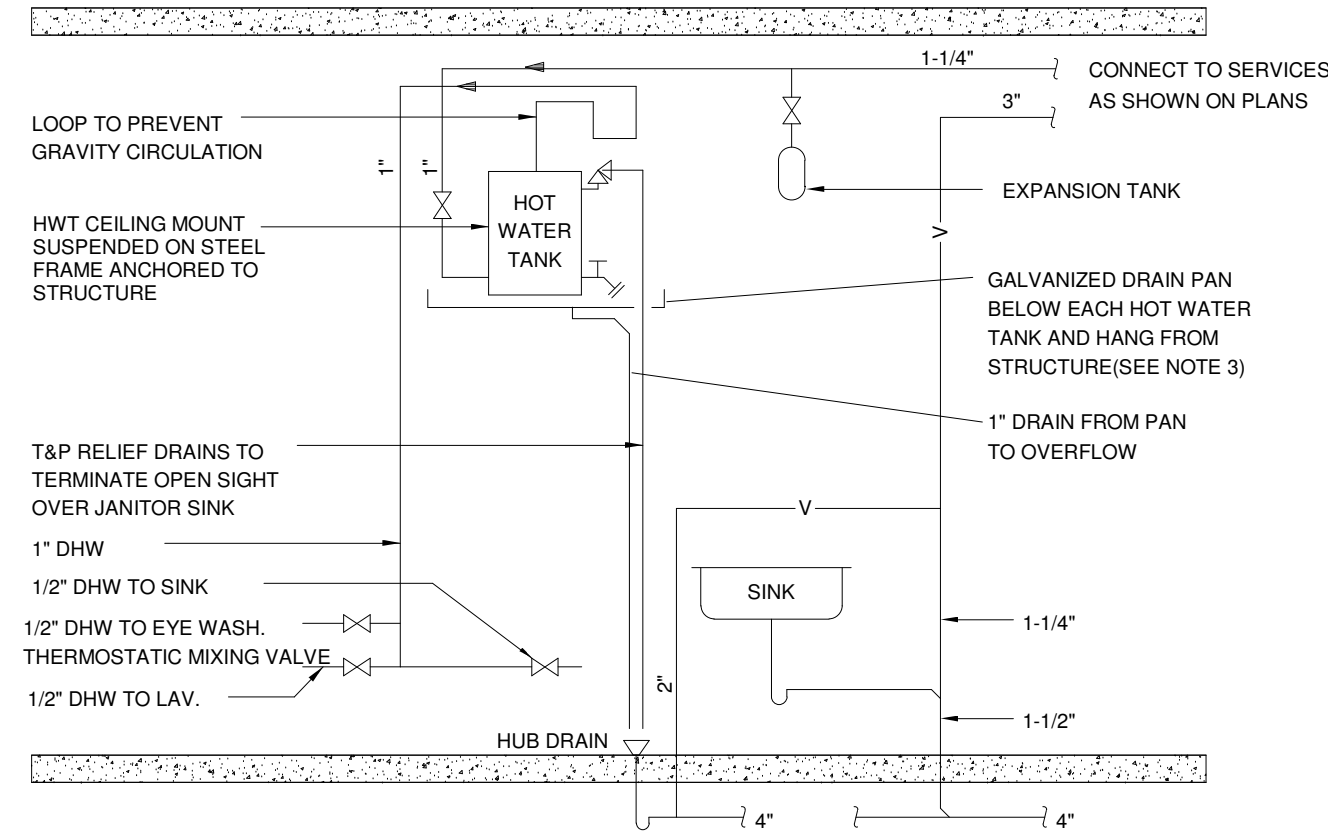
Project:

MECHANICAL DETAILS

Drawing Title:

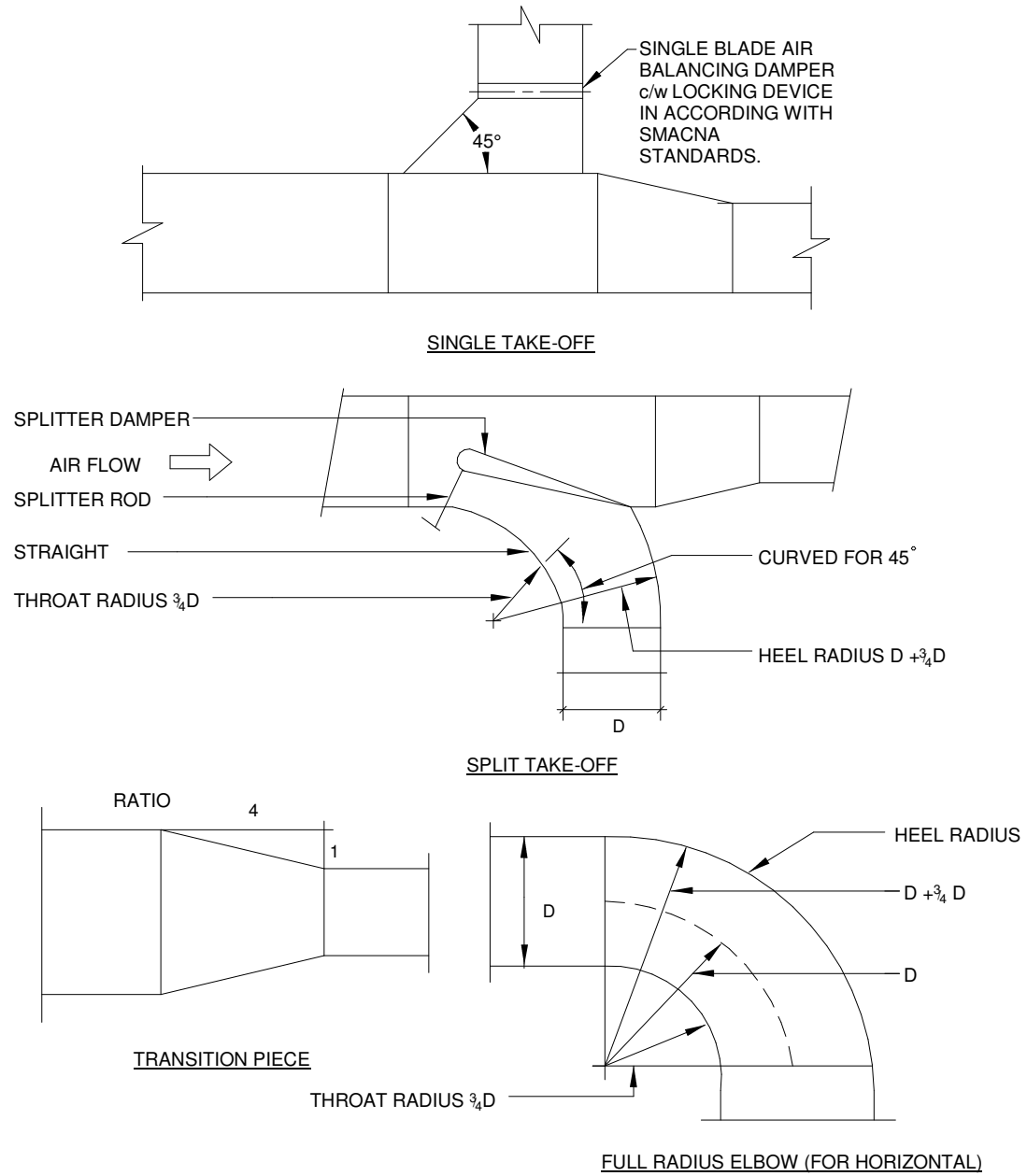
M-2

Sheet No.:

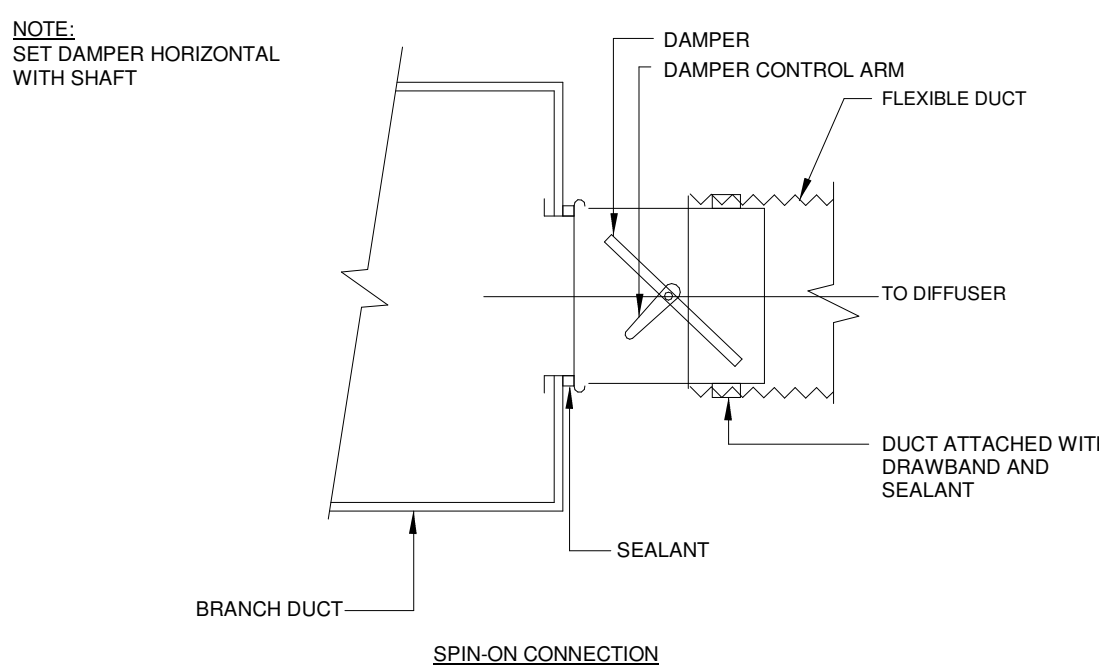


- NOTES:
1. FOR EXACT LOCATION OF FIXTURES REFER TO ARCHITECTURAL DRAWINGS.
 2. 20 GAUGE GALVANIZED STEEL DRIP PAN WITH 1" (25mm) UPTURNED EDGE, BOLTED TO 1"x1"x1/4" ANGLE IRON CROSS-BRACING HUNG BY 3/8"Ø THREADED STEEL RODS C/W LOCKING WASHERS AND NUTS AT EACH CORNER, ATTACHED TO STRUCTURE AND SUSPENDED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

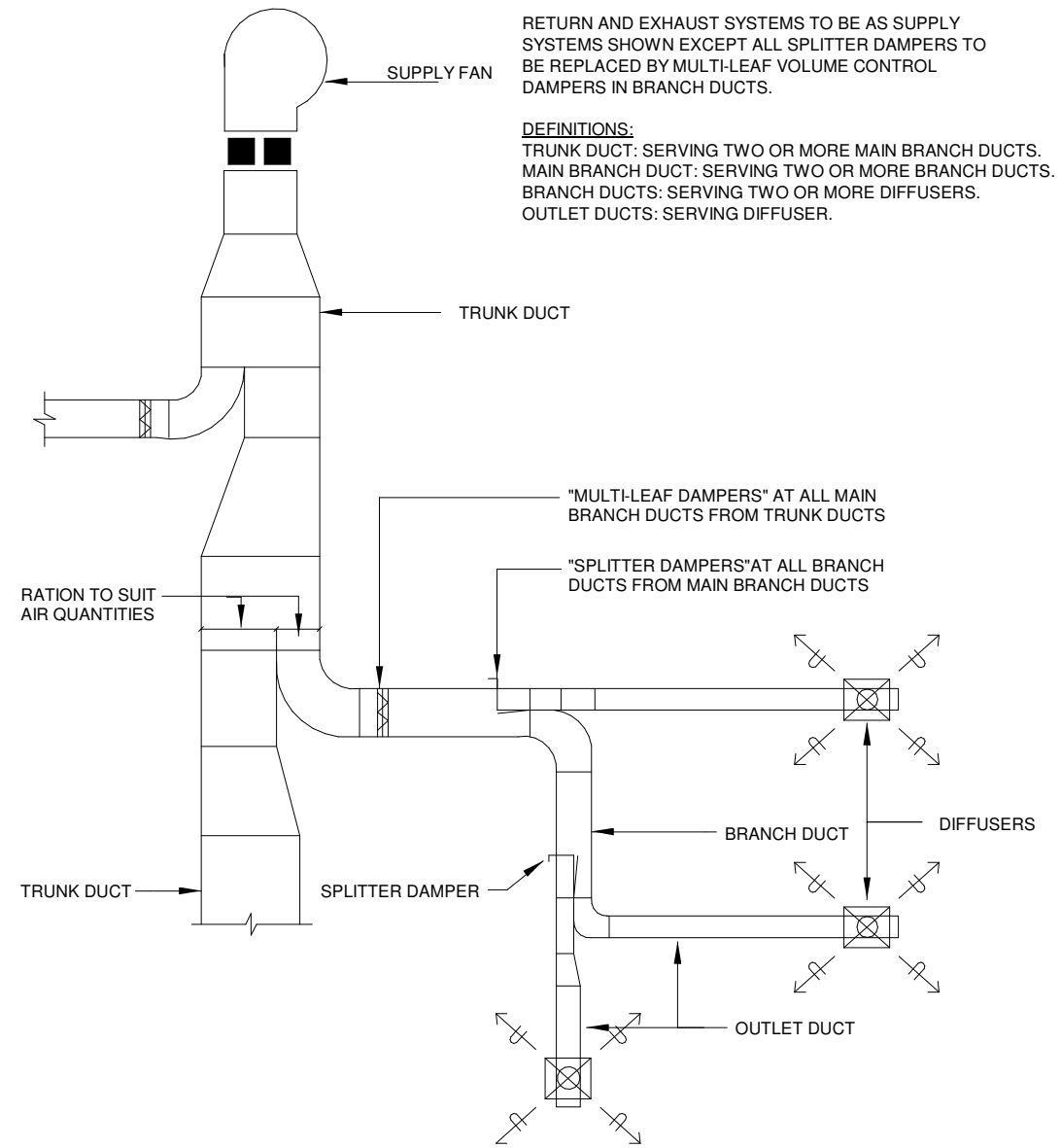
1
M-2
HOT WATER HEATER DETAIL
NOT TO SCALE



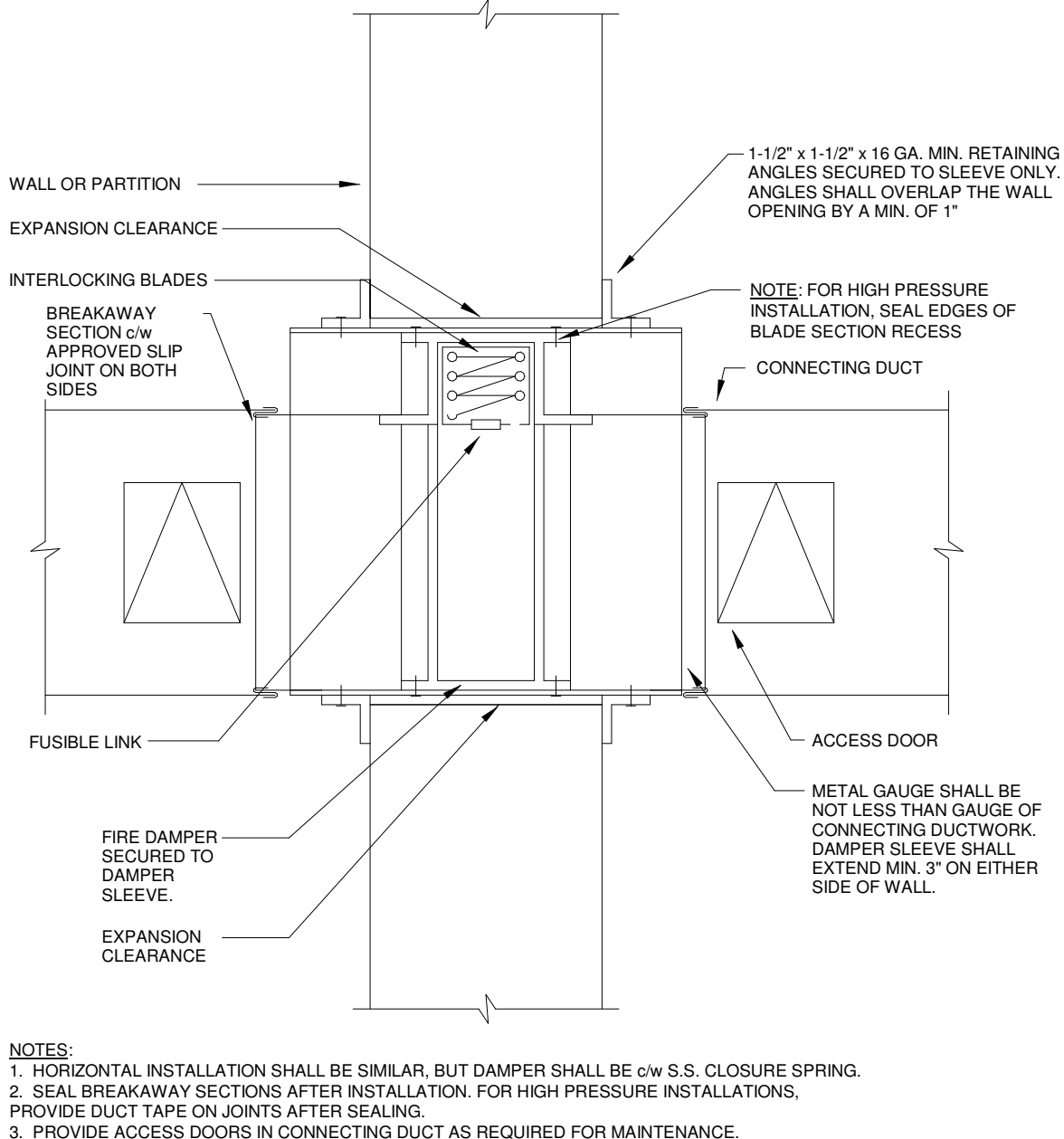
2
M-2
DUCT DETAIL
NOT TO SCALE



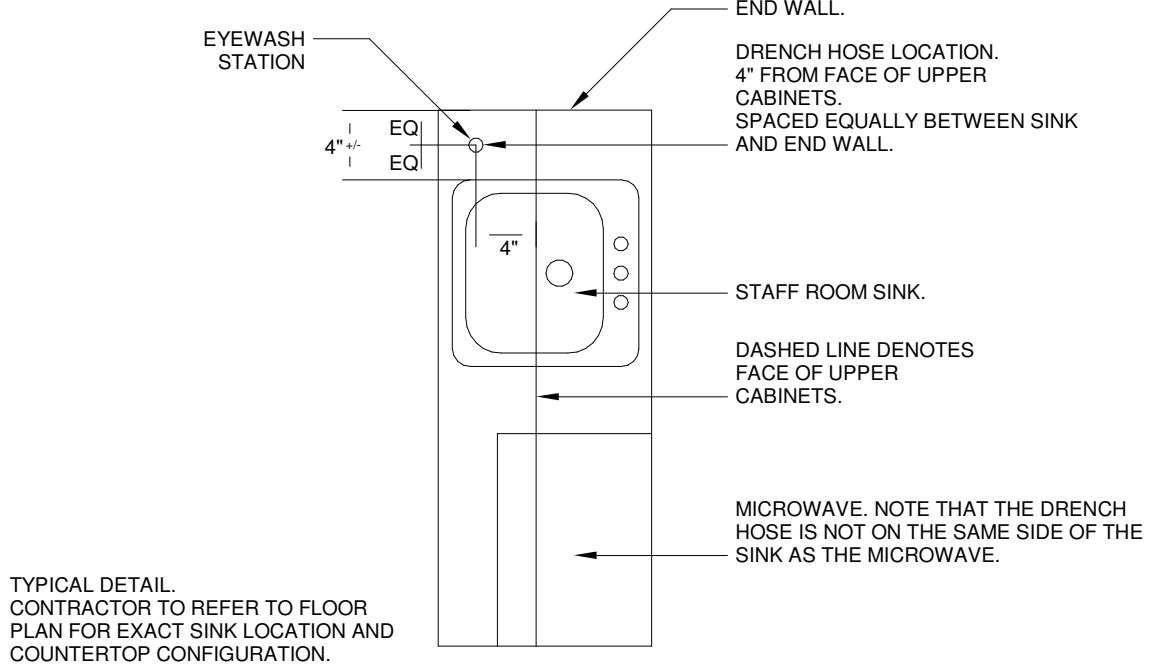
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M-2
DUCT CONNECTION DETAIL
NOT TO SCALE



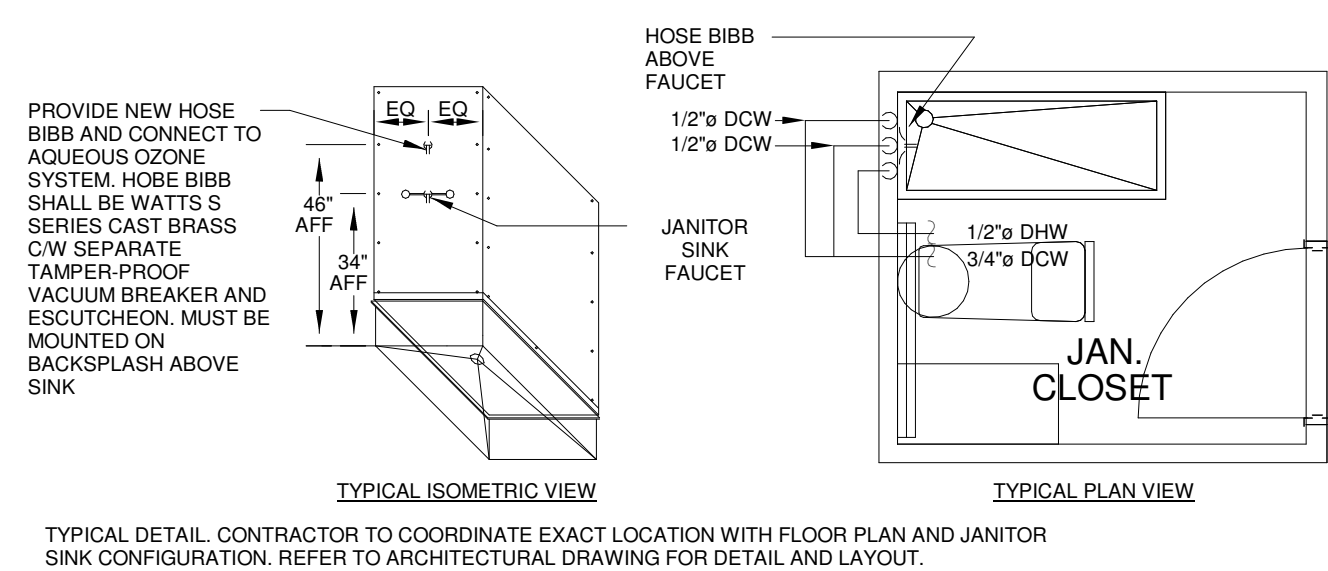
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M-2
BALANCING DAMPER DETAIL
NOT TO SCALE



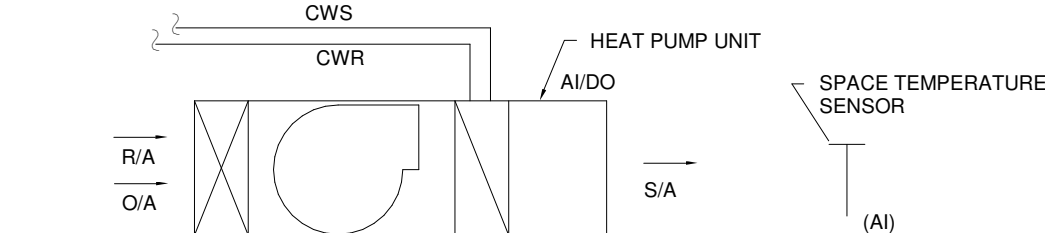
5
M-2
FIRE DAMPER DETAIL
NOT TO SCALE



6
M-2
TYPICAL EYEWASH (DRENCH HOSE) LOCATION DETAIL
NOT TO SCALE



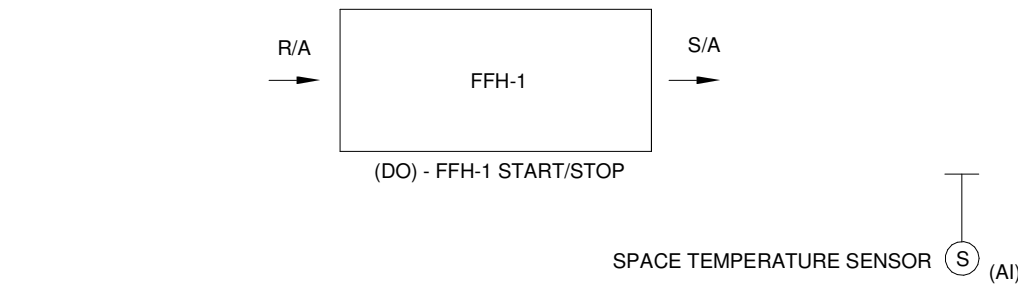
7
M-2
TYPICAL JANITOR ROOM HOSE BIBB LOCATION
NOT TO SCALE



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.
CONTROLLER MONITORS SPACE TEMPERATURE AND ADJUSTS CONTROL VALVES TO MAINTAIN SPACE TEMPERATURE SET POINT. COOLING SHALL BE ENABLED WHENEVER FAN IS ON AND SPACE TEMPERATURE IS ABOVE SET POINT. HEATING SHALL BE ENABLED WHENEVER FAN IS ON AND SPACE TEMPERATURE IS BELOW SET POINT.
OPTIMAL START: UNIT ENTERS OCCUPIED MODE FOR MINIMUM OF 30 MINUTES BEFORE SCHEDULED OCCUPY PERIOD UNLESS MANUALLY OVERRIDE TO STOP.
NIGHT-TIME SETBACK: UNIT RUNS INTERMITTENTLY AS REQUIRED TO MAINTAIN SPACE TEMPERATURE SET POINTS AT THE UNOCCUPIED MODE (MINIMUM 15.5°C/60.0°F & MAXIMUM 23.5°C/74.0°F). FAN AND COOLING SHALL BE ENABLED WHENEVER THE ZONE TEMPERATURE IS ABOVE SET POINT. FAN AND HEATING SHALL BE ENABLED WHENEVER THE 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.
2. ALARMS: HIGH/LOW SPACE TEMPERATURE: TEMPERATURE GREATER OR LESS THAN SET POINTS BY 3.0°C/5.0°F AT LEAST 5 MINUTES.
UNIT FAILURE: STATUS DOES NOT MATCH COMMAND AT LEAST 5 MINUTES.
COMMUNICATION FAILURE: UNIT FAILS TO RESPOND TO COMMAND/NO FEEDBACK FOR MORE THAN 2 MINUTES.

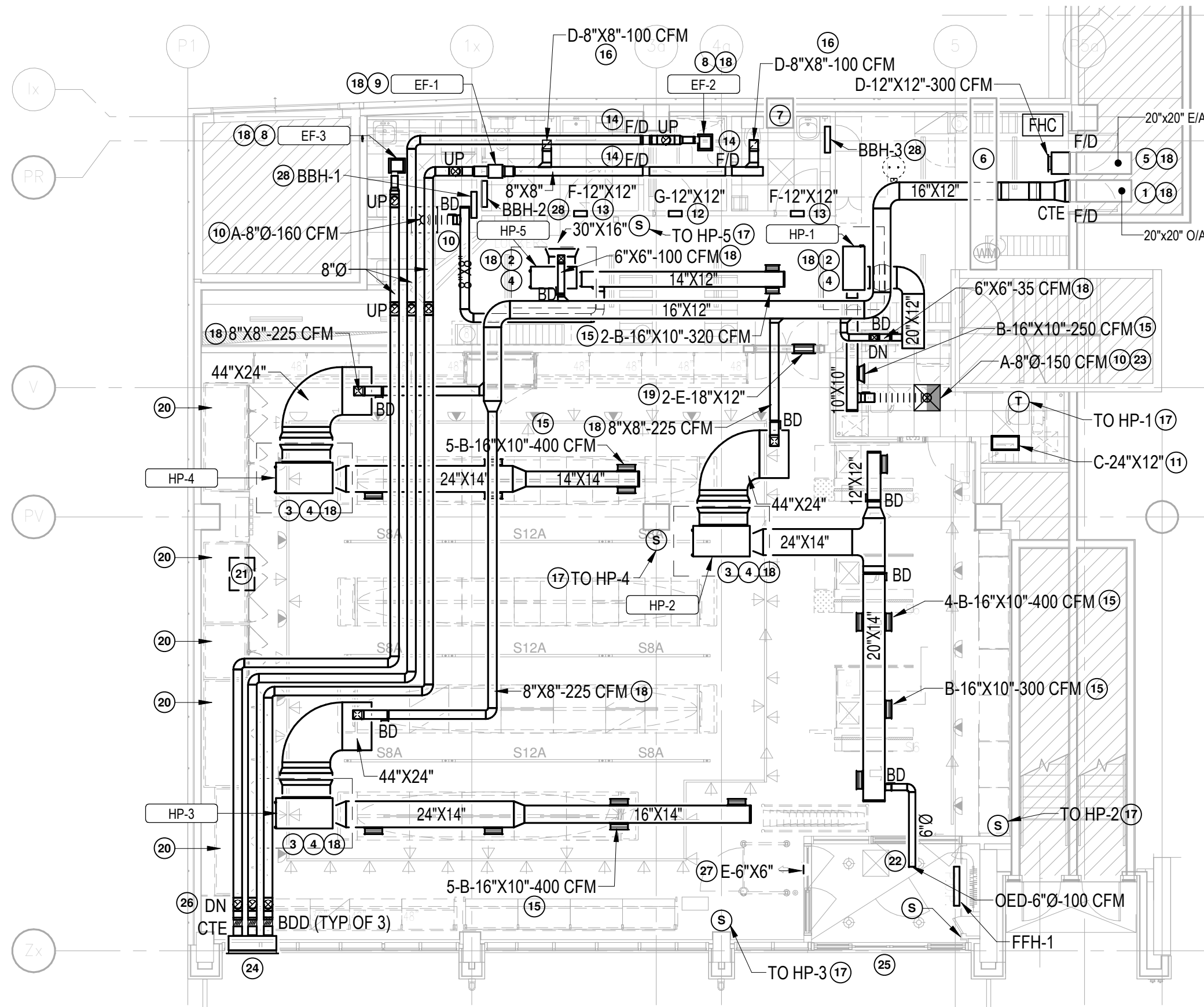
8
M-2
HEAT PUMP SEQUENCE OF OPERATION
NOT TO SCALE



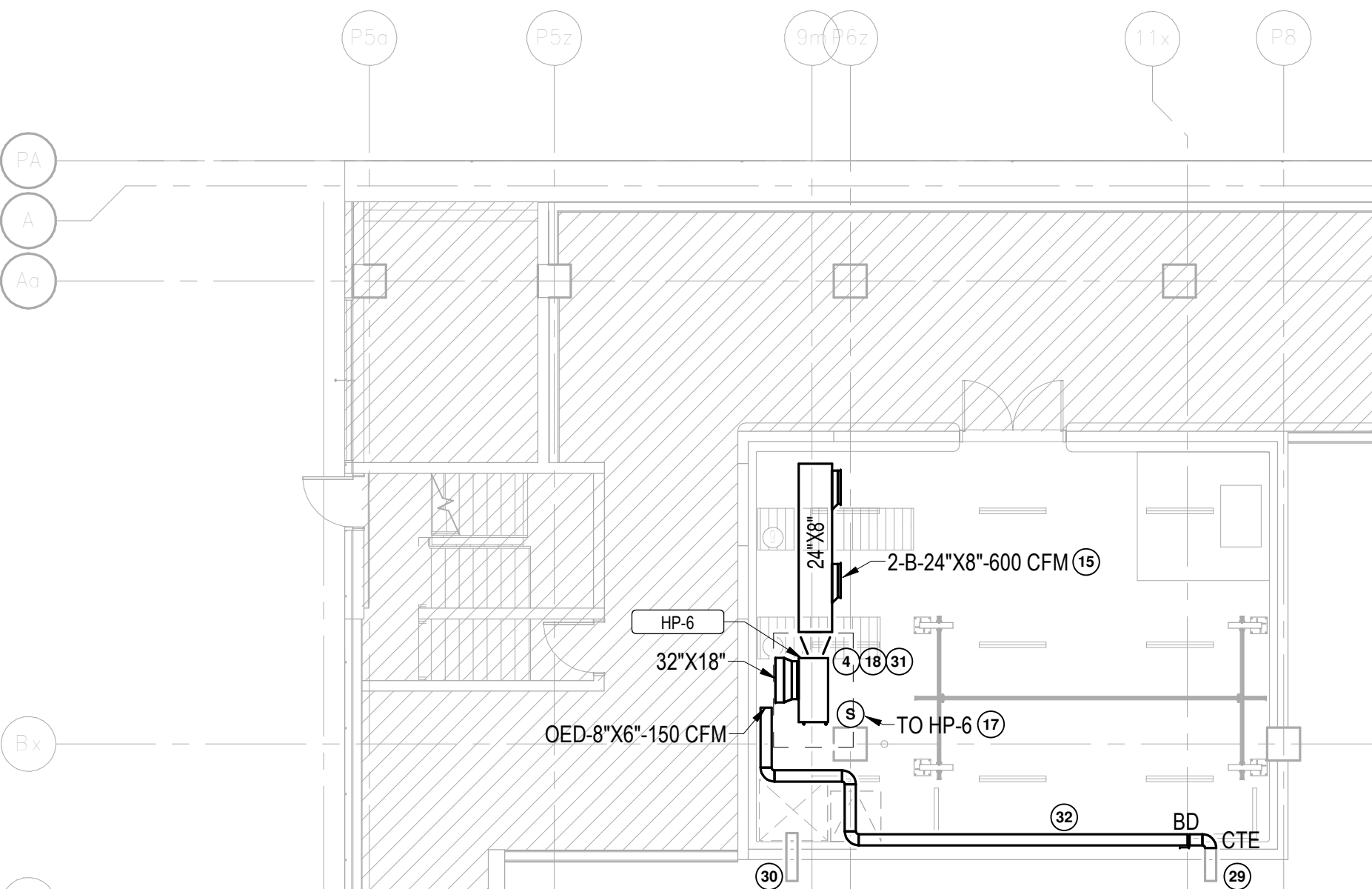
SEQUENCE FFH:

1. OPERATION: FFH-1 IS PROGRAMMED OCCUPIED/UNOCCUPIED FROM BAS TO SUIT STORE OPERATING SCHEDULE. FFH-1 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: UNIT FAILURE: STATUS DOES NOT MATCH COMMAND AT LEAST 5 MINUTES.

9
M-2
FORCED FLOW HEATER SEQUENCE OF OPERATION
NOT TO SCALE



1 LEVEL 1 HVAC PLAN - SOUTH
M-3 1/8" = 1'-0"



2 LEVEL 1 HVAC PLAN - NORTH
M-3 1/8" = 1'-0"

MECHANICAL KEY NOTES:

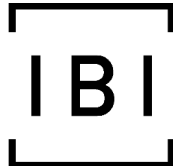
- EXISTING BASE BUILDING OUTDOOR AIR DUCTWORK AND FIRE DAMPER AT HIGH LEVEL. PROVIDE NEW OUTDOOR AIR DUCTWORK AT 16'-0" AFF WITH INDEPENDANT HANGERS AND CONNECT TO EXISTING BRANCH DUCTWORK TO BE CONNECTED TO OR TERMINATED WITHIN 1 FOOT FROM HEAT PUMP UNITS RETURN DUCTWORK C/W BALANCING DAMPER. COORDINATE WITH CONSULTANTS FOR LOCATION AND ELEVATION PRIOR TO INSTALLATION. PROVIDE ACCESS PANEL NEAR BASE BUILDING FIRE DAMPER.
- EXISTING BASE BUILDING HEAT PUMP UNITS IN WAREHOUSE AT 10'-0" AFF C/W PIPING AND ACCESSORIES. CONTRACTOR TO PROVIDE FLEX CONNECTIONS AT INLET AND OUTLET. CONTRACTOR TO PROVIDE FILTER SETS (MERV 8 DURING CONSTRUCTIONS, MERV 13 AFTER CONSTRUCTION, MERV 13 TURNED OVER TO LCBO). HEAT PUMP UNIT SHALL NOT BE USED DURING CONSTRUCTION UNLESS OBTAINING LCBO COORDINATORS APPROVAL. REFER TO GENERAL NOTES FOR DETAILS. (TYPICAL OF 2)
- EXISTING BASE BUILDING HEAT PUMP UNITS IN RETAIL AT 12'-6" AFF C/W PIPING AND ACCESSORIES. CONTRACTOR TO PROVIDE FLEX CONNECTIONS AT INLET AND OUTLET. CONTRACTOR TO PROVIDE FILTER SETS (MERV 8 DURING CONSTRUCTIONS, MERV 13 AFTER CONSTRUCTION, MERV 13 TURNED OVER TO LCBO). HEAT PUMP UNIT SHALL NOT BE USED DURING CONSTRUCTION UNLESS OBTAINING LCBO COORDINATORS APPROVAL. REFER TO GENERAL NOTES FOR DETAILS. (TYPICAL OF 3)
- PROVIDE SUPPLY AND RETURN DUCTWORK AT SAME ELEVATION (EXCEPT HP-6 SUPPLY DUCT AT 9'-0" AFF) AS HEAT PUMP UNIT AND CONNECT TO ASSOCIATED HEAT PUMP UNIT C/W INDEPENDANT HANGERS AND FLEX CONNECTIONS AT SUPPLY AND RETURN OF HEAT PUMP UNIT. PROVIDE INTERNAL ACOUSTIC LINING 15 FEET DOWNSTREAM OF SUPPLY AND RETURN AIR DUCTS. RETURN DUCTWORK TO BE C/W BIRDSCREEN. COORDINATE WITH ARCHITECT AND LCBO COORDINATOR FOR THE FINAL DUCTWORK LOCATION AND ELEVATION. PROVIDE 1" AIR FILTER SHEET METAL BOX C/W FILTER FRAME AND RETAINING CHAIN AT HEAT PUMP UNIT RETURN DUCTWORK. ENSURE ENOUGH CLEARANCE ON THE LEFT OR RIGHT SIDE OF THE SHEET METAL BOX FOR FILTER REPLACEMENT. ENSURE ENOUGH LENGTH OF RETAINING CHAIN FOR FILTER FRAME REMOVAL COMPLETELY. SHEET METAL BOX, FILTER FRAME AND AIR FILTER TO BE THE SAME SIZE OR SLIGHTLY LARGER THAN RETURN DUCT OF HEAT PUMP UNIT. CONFIRM SIZE AND LOCATION WITH CONSULTANTS PRIOR TO ORDERING AND INSTALLATION. ALL EXPOSED DUCTWORK SHALL BE PAINTED. COORDINATE COLOUR WITH ARCHITECT. (TYPICAL)
- EXISTING BASE BUILDING GENERAL EXHAUST AIR DUCTWORK AND FIRE DAMPER AT HIGH LEVEL. PROVIDE NEW EXHAUST DUCTWORK AT THE SAME ELEVATION WITH INDEPENDANT HANGERS AND CONNECT TO EXISTING. PROVIDE NEW EXHAUST GRILLE AS SHOWN. PROVIDE ACCESS PANEL NEAR BASE BUILDING FIRE DAMPER.
- EXISTING BASE BUILDING EXHAUST AIR DUCTWORK AT 10'-0" AFF TO REMAIN.
- EXISTING BASE BUILDING CAPPED EXHAUST AIR DUCTWORK AT 13'-5" AFF TO REMAIN.
- PROVIDE NEW CEILING MOUNTED EXHAUST FAN (EF-2, 3) AS SHOWN. REFER TO M-1 FOR SPECIFICATIONS. PROVIDE EXHAUST DUCTWORK AT 17'-0" AFF AND CONNECT TO ASSOCIATED EXHAUST FAN. CONNECT DUCTWORK TO EXISTING LOUVRE C/W PLENUM AS SHOWN. PROVIDE BACKDRAFT DAMPERS AND ACCESS PANELS ON DUCT NEAR BACKDRAFT DAMPERS. PROVIDE THERMAL INSULATION MINIMUM OF 10 FEET DOWNSTREAM OF EXHAUST DUCT CONNECTED TO LOUVRE. ALL EXHAUST DUCTWORK SHALL BE RIGID. (TYPICAL)
- PROVIDE NEW BELT-DRIVE EXHAUST FAN (EF-1) AS SHOWN. INSTALL EXHAUST FAN 1 FOOT ABOVE T-BAR CEILING. REFER TO M-1 FOR SPECIFICATIONS. PROVIDE EXHAUST DUCTWORK AT 17'-0" AFF AND CONNECT TO EXHAUST FAN. CONTRACTOR TO PROVIDE FLEX CONNECTIONS AT INLET AND OUTLET. CONNECT DUCTWORK TO EXISTING LOUVRE C/W PLENUM AS SHOWN. PROVIDE BACKDRAFT DAMPERS AND ACCESS PANELS ON DUCT NEAR BACKDRAFT DAMPERS. PROVIDE THERMAL INSULATION MINIMUM OF 10 FEET DOWNSTREAM OF EXHAUST DUCT CONNECTED TO LOUVRE. ALL EXHAUST DUCTWORK SHALL BE RIGID.
- PROVIDE NEW 24'X24" SQUARE SUPPLY AIR DIFFUSER. REFER TO DRAWING M-1 FOR SPECIFICATION. (TYPICAL)
- PROVIDE NEW 24'X12" EGGCORE RETURN AIR GRILLE IN OFFICE.
- PROVIDE NEW 12'X12" FIRE-RATED DOOR GRILLE FOR JANITOR ROOM DOOR. REFER TO DRAWING M-1 FOR SPECIFICATION.
- PROVIDE NEW 12'X12" DOOR GRILLE FOR WASHROOMS. REFER TO DRAWING M-1 FOR SPECIFICATION. (TYPICAL)
- PROVIDE NEW FIRE DAMPER, TYPE "B" DYNAMIC, AT 1 FOOT ABOVE T-BAR CEILING. REFER TO DRAWING M-1 FOR SPECIFICATION. PROVIDE ACCESS PANEL ON DUCT NEAR FIRE DAMPER. (TYPICAL)
- PROVIDE NEW SUPPLY AIR GRILLE IN OFFICE, RETAIL AND WAREHOUSE AREAS. REFER TO DRAWING M-1 FOR SPECIFICATION. INSTALL SUPPLY AIR GRILLES ON THE SIDE OF THE DUCTWORK. BALANCER TO ADJUST SUPPLY GRILLES FRONT DEFLECTORS 45° DOWN TOWARD GROUND. (TYPICAL)
- PROVIDE NEW EXHAUST AIR GRILLES C/W BALANCING DAMPERS, SHEET METAL PLENUMS AND EXHAUST DUCTS. BALANCE TO AIR QUANTITIES AS SHOWN (CFM). (TYPICAL)
- INSTALL THERMOSTAT ASSOCIATED WITH HP-1. BAS CONTRACTOR TO INSTALL TEMPERATURE SENSORS ASSOCIATED WITH HP-2, 3, 4, 5, 6 AND CONNECT TO BAS. 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 THERMOSTAT AND 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)
- BALANCE ALL DIFFUSERS, GRILLES, EXHAUST FANS, HEAT PUMP UNITS, OUTDOOR AIR DUCT ETC. TO AIR QUANTITIES AS SHOWN TO BE. OR BALANCER TO BE COORDINATED BY CONTRACTOR. REFER TO SECTION 23 08 16. REFER TO DRAWING M-2 FOR DETAIL FOR LOCATION OF BALANCING DAMPER. (TYPICAL)
- PROVIDE TRANSFER AIR GRILLES ON THE WALL FACING RETAIL AND WAREHOUSE AT 12'-6" AFF. FINAL INSTALLATION LOCATION TO BE COORDINATED ON SITE. PROVIDE DUCTWORK BETWEEN GRILLES SAME SIZE AS GRILLES. PROVIDE AIR-SEAL BETWEEN DRYWALL AND DUCTWORK. (TYPICAL)
- NEW FRIDGES TO BE PROVIDED BY REFRIGERATION CONTRACTOR C/W PIPING, SUPPORT AND ACCESSORIES. START-UP SERVICES AND REPORT PROVIDED BY REFRIGERATION CONTRACTOR. COORDINATE WITH LCBO FOR FINAL INSTALLATION LOCATION AND ELEVATION. (TYPICAL)
- INSTALL CEILING SUSPENDED AIR-COOLED CONDENSER AT 9'-0" AFF IN P1 PARKING LEVEL BY REFRIGERATION CONTRACTOR C/W PIPING, SUPPORT AND ACCESSORIES. START-UP SERVICES AND REPORT PROVIDED BY REFRIGERATION CONTRACTOR. COORDINATE WITH LCBO FOR FINAL INSTALLATION LOCATION AND ELEVATION.
- PROVIDE NEW SUPPLY DUCT ABOVE VESTIBULE AT 12'-6" AFF (OPEN END DUCT).
- PROVIDE SECTORIZING BAFFLE (BLANK-OFF) TO PREVENT AIRFLOW FROM AFFECTING SENSOR/THERMOSTAT. COORDINATE WITH MANUFACTURER TO MODIFY AIR PATTERN ON SITE.
- EXISTING EXHAUST LOUVRE AT STORE FRONT C/W BIRDSCREEN AND BURGLAR BARS TO REMAIN.
- PROVIDE NEW SURFACE WALL MOUNTED ELECTRIC FORCED FLOW HEATER AT 8' AFF AND CONNECT TO BAS. PROVIDE WALL MOUNTED TEMPERATURE SENSOR AT 6 FT AFF. WIRING IN CONDUIT AND ACCESSORIES BY BAS CONTRACTOR. HEATERS COLOUR TO BE CONFIRMED WITH ARCHITECT PRIOR TO ORDERING. POWER CONNECTION BY ELECTRICAL CONTRACTOR. REFER TO M-1 FOR SPECIFICATION.
- NEW EXHAUST DUCTWORK ELBOW DOWN TO MATCH EXHAUST LOUVRE ELEVATION. (TYPICAL OF 3)
- PROVIDE NEW TRANSFER AIR GRILLE AT 12'-6" AFF.
- PROVIDE ELECTRIC BASEBOARD HEATER C/W BUILT-IN THERMOSTAT. SUPPLY AND INSTALL BY MECHANICAL CONTRACTOR. POWER CONNECTION BY ELECTRICAL CONTRACTOR. (TYPICAL)
- EXISTING BASE BUILDING 8'x6" OUTDOOR AIR DUCTWORK IN REMOTE WAREHOUSE TO REMAIN.
- EXISTING BASE BUILDING 14'X14" TRANSFER DUCT C/W FIRE DAMPER AND BACKDRAFT DAMPER IN REMOTE WAREHOUSE TO REMAIN.
- EXISTING BASE BUILDING HEAT PUMP UNIT IN REMOTE WAREHOUSE AT 8'-0" AFF C/W PIPING AND ACCESSORIES. CONTRACTOR TO PROVIDE FLEX CONNECTIONS AT INLET AND OUTLET. CONTRACTOR TO PROVIDE FILTER SETS (MERV 8 DURING CONSTRUCTIONS, MERV 13 AFTER CONSTRUCTION, MERV 13 TURNED OVER TO LCBO). HEAT PUMP UNIT SHALL NOT BE USED DURING CONSTRUCTION UNLESS OBTAINING LCBO COORDINATORS APPROVAL. REFER TO GENERAL NOTES FOR DETAILS.
- PROVIDE NEW 8'x6" OUTDOOR AIR DUCTWORK C/W BIRDSCREEN, BALANCING DAMPER, SUPPORT AND ACCESSORIES. CONNECT TO EXISTING BASE BUILDING OUTDOOR AIR DUCTWORK. REMOVE EXISTING BASE BUILDING SUPPLY GRILLE IF ANY. INSTALL NEW OUTDOOR AIR DUCTWORK AT SAME ELEVATION AS EXISTING. ELBOW THE DUCTWORK AND TERMINATE WITHIN 1 FOOT FROM HEAT PUMP UNIT RETURN INTAKE. COORDINATE ON SITE TO AVOID INTERFERENCE BEFORE INSTALLATION. MAINTAIN MINIMUM 1 FOOT AWAY FROM ANY DUCT OPENING. DO NOT OBSTRUCT ANY PANELS AND MAINTENANCE CLEARANCE OF HEAT PUMP UNIT.

HVAC GENERAL NOTES:

- ALL SUPPLY AIR VALUES ARE IN UNITS OF CFM.
- 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.
- PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS TO FACILITATE THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
- ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND MECHANICAL ENGINEER.
- GC SHALL PROVIDE EQUIPMENT FOR TEMPORARY DEHUMIDIFICATION DURING FIT-UP PERIOD IF NECESSARY.
- ALL INSTALLATIONS SHALL COMPLY WITH LCBO'S APPROVED SPECIFICATIONS. REFER TO DIVISION 20, 21, 22, AND 23 OF LCBO'S SPECIFICATION.
- ALL EXISTING AND NEW MECHANICAL EQUIPMENT TO BE LABELED WITH LAMACOID INCLUDING LANDLORD SUPPLIED EQUIPMENT. PROVIDE LAMACOID LABEL FOR ALL MECHANICAL EQUIPMENT LISTED IN M-1 INCLUDING BUT NOT LIMITED TO FANS, FILTER HOUSING ACCESS, FAN COOL UNITS, UNIT HEATER, MAKE-UP AIR UNIT, VAV BOXES, PUMPS, SENSORS, THERMOSTATS, ETC.
- HVAC CONTRACTOR SHALL INSTALL ALL DUCTWORK, EQUIPMENT, DEVICES WITHOUT TOUCHING CEILING SUPPORT SYSTEM TO AVOID POSSIBLE VIBRATION TRANSFER.
- ALL VISUAL RETAIL/WAREHOUSE DUCTWORK AND ASSOCIATED ACCESSORIES SHALL BE PAINTED WHITE. COORDINATE FINAL COLOR WITH ARCHITECT. EQUIPMENT LABEL SHALL NOT BE PAINTED.
- GC SHALL PROVIDE VENTILATION FANS FOR TEMPORARY TEMPERATURE CONTROL DURING FIT-UP PERIOD IF NECESSARY.

OFFICE THERMOSTAT SCHEDULE:

- MON-SAT: OCCUPIED MODE 9AM - 9PM
- SUN: OCCUPIED MODE 11AM - 5PM
- WINTER SETTINGS: OCCUPIED MODE 20°C, UNOCCUPIED MODE 15.5°C
- SUMMER SETTINGS: OCCUPIED MODE 21.5°C, UNOCCUPIED MODE 23.5°C
- FAN IS TO RUN CONTINUOUSLY IN OCCUPIED MODE AND IN AUTO IN UNOCCUPIED MODE.



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Context Plan



General Notes

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

4	08/02/2021	ISSUED FOR PERMIT & TENDER	ML
3	27/01/2021	ISSUED FOR 80% REVIEW	ML
2	19/01/2021	ISSUED FOR 60% REVIEW	ML
1	22/12/2020	ISSUED FOR 30% REVIEW	ML

Rev: Date Description Initial



ISSUED FOR PERMIT & TENDER

Issued for:
08/02/2021
Issue Date:
17M-02500-E2 1/8" = 1'-0" ML FL
Project No.: Scale Drawn By: Checked By:

LCBO Store No. 668
Toronto, ON
Interior Fit-up

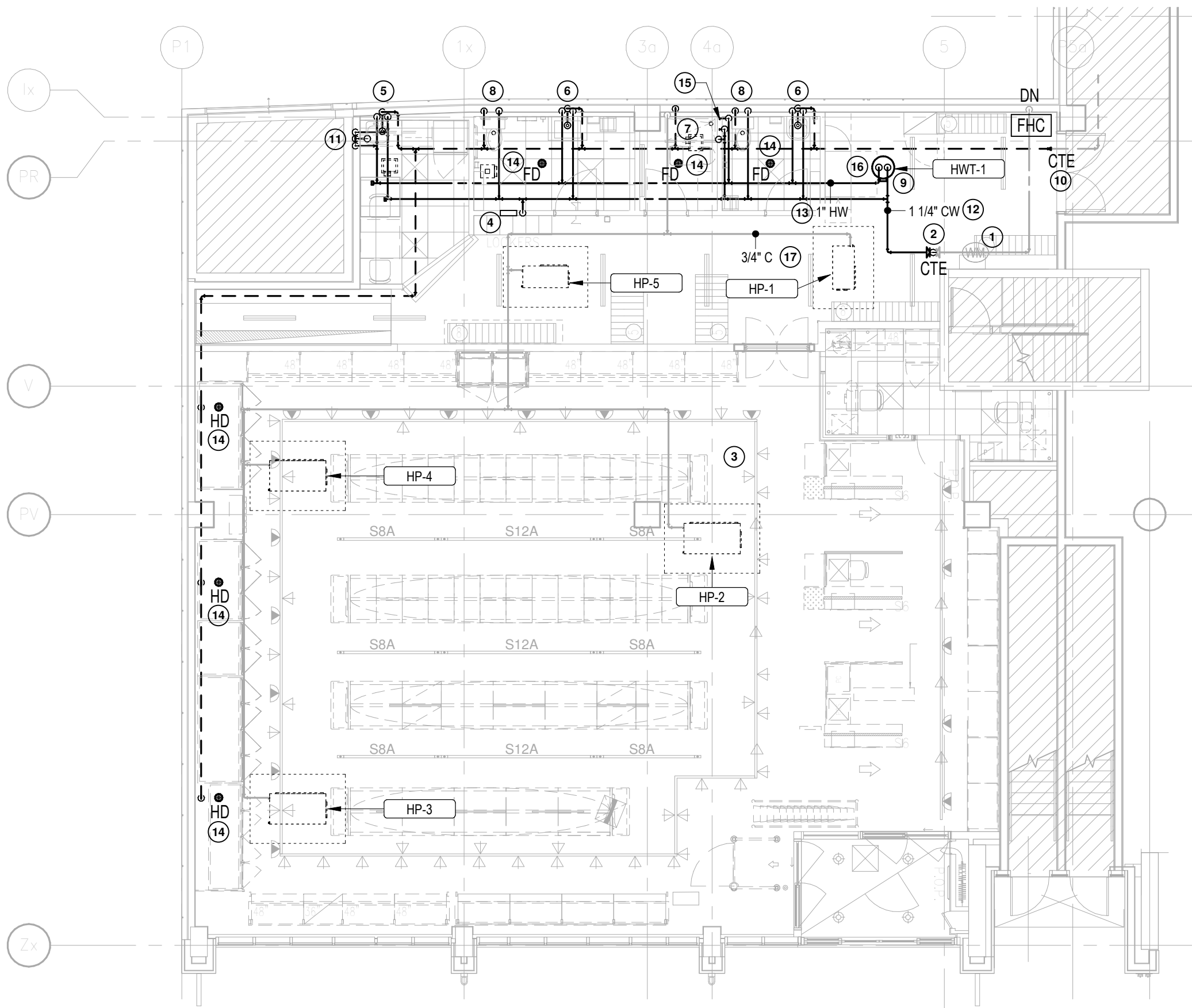
Project

HVAC LAYOUT

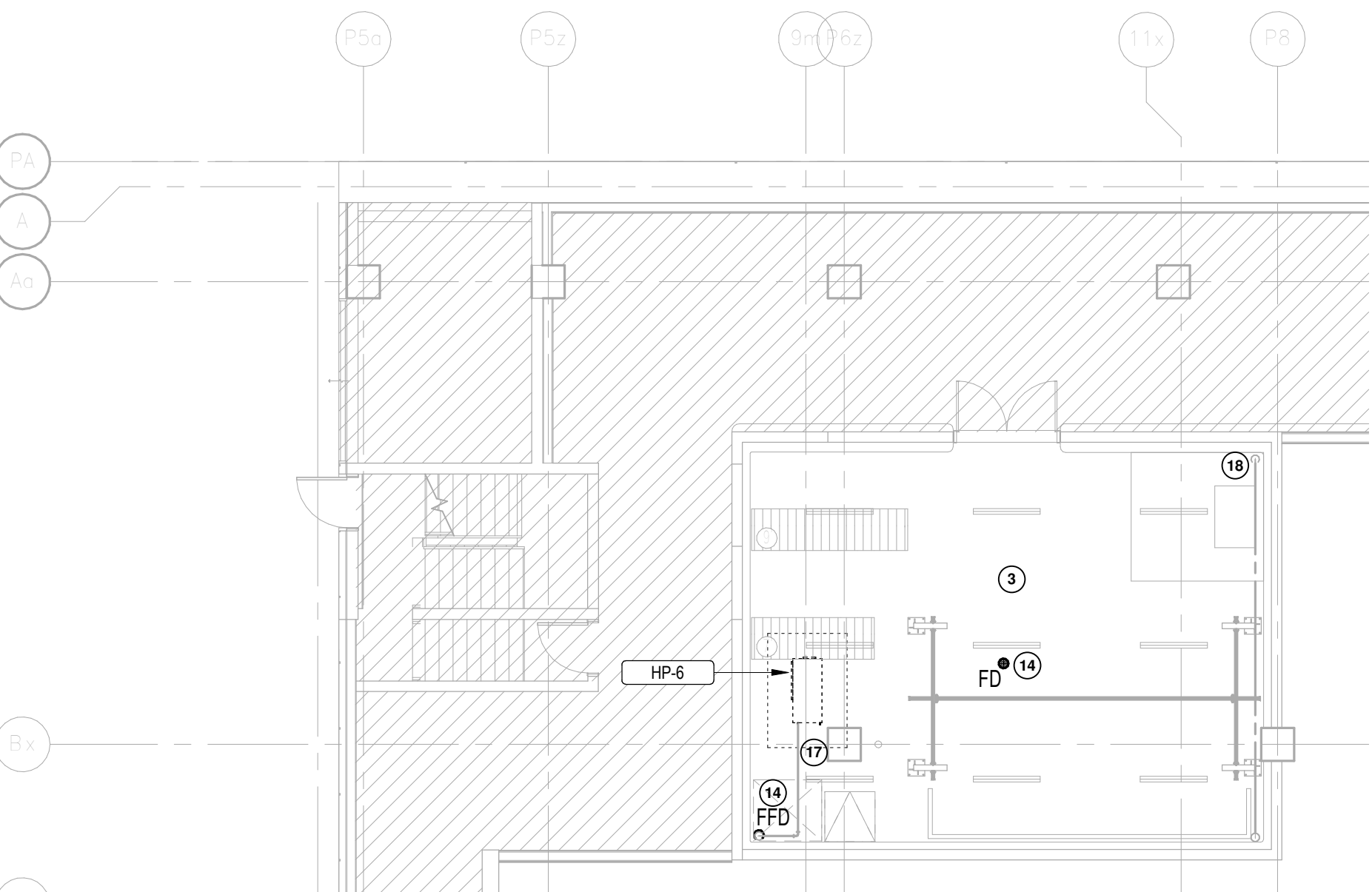
Drawing Title

M-3

Sheet No.



1 LEVEL 1 PLUMBING PLAN - SOUTH
1/8" = 1'-0"



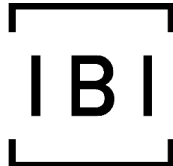
2 LEVEL 1 PLUMBING PLAN - NORTH
1/8" = 1'-0"

PLUMBING GENERAL NOTES:

- EXISTING 1-1/4" DIA DOMESTIC COLD WATER MAIN PIPE C/W SHUT-OFF, WATER METER AND 1-1/4" DIA VALVED/CAPPED CONNECTION AT HIGH LEVEL.
- CONNECT NEW 1-1/4" DIA DOMESTIC COLD WATER LINE TO EXISTING 1-1/4" DIA CAPPED CONNECTION. PROVIDE ONE (1) NEW POTABLE WATER THERMAL EXPANSION TANK ON THE MAIN DOMESTIC WATER PIPE NEAR THE HOT WATER TANK. EXPANSION TANK SHALL BE WATTS MODEL PLT-12 OR APPROVED EQUIVALENT. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE SHUT-OFF VALVE AT EXPANSION TANK.
- EXISTING BASE BUILDING SANITARY DRAIN / STORM / C/W / D/HW PIPES AT HIGH LEVEL TO REMAIN. (TYPICAL)
- 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 PANEL. PROVIDE AND CONNECT NEW 1/2" DIA DOMESTIC COLD WATER PIPE TO TRAP SEAL PRIMER.
- PROVIDE NEW STAFF ROOM SINK AND FAUCET AS SPECIFIED ON DRAWING M-1 AND SPEC. CONNECT 1/2" DIA C/W AND 1/2" DIA D/HW TO NEW FAUCET C/W ISOLATION VALVES. CONNECT SINK DRAIN PIPE TO EXISTING ROUGH-IN. CONTRACTOR TO MODIFY THE LENGTH OF SINK VERTICAL DRAIN PIPE TO MAINTAIN MINIMUM 2% SLOPE FOR SANITARY PIPE FROM SINK TO EXISTING ROUGH-IN.
- PROVIDE NEW WALL HUNG LAVATORY AND FAUCET AS SPECIFIED ON DRAWING M-1 AND SPEC. CONNECT 1/2" DIA C/W AND 1/2" DIA D/HW TO NEW FAUCET C/W ISOLATION VALVES. CONNECT LAVATORY DRAIN PIPE TO EXISTING ROUGH-IN. (TYPICAL)
- PROVIDE NEW JANITOR SINK AND FAUCET AS SPECIFIED ON DRAWING M-1 AND SPEC. CONNECT 1/2" DIA C/W AND 1/2" DIA D/HW TO NEW FAUCET C/W ISOLATION VALVES. CONNECT SINK DRAIN PIPE TO EXISTING ROUGH-IN.
- PROVIDE NEW FLOOR-MOUNTED WATER CLOSET AS SPECIFIED ON DRAWING M-1 AND SPEC. CONNECT 1/2" DIA C/W TO NEW WATER CLOSET C/W ISOLATION VALVES. CONNECT SINK DRAIN PIPE TO EXISTING ROUGH-IN. (TYPICAL)
- PROVIDE NEW HOT WATER TANK AT 8'-0" AFF. PROVIDE 1" DIA C/W AND 1" DIA D/HW CONNECTIONS. REFER TO SPECIFICATIONS AND SCHEDULE FOR SIZE AND MODEL. REFER TO DETAIL 1M-2 FOR TANK INSTALLATION. PROVIDE DRAIN PAN, 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.
- PROVIDE NEW VENT PIPE FOR PLUMBING SYSTEM IN LCBO SPACE (INCLUDING NEW AND EXISTING FIXTURES AND DRAINING) AS CONCEPTUALLY INDICATED ON DRAWING AND AS REQUIRED BY THE CBC. CONNECT 3" DIA VENT PIPE TO EXISTING BASE BUILDING VENT. CONTRACTOR TO CAP AND SEAL ANY UN-USED BASE BUILDING VENT PROVISIONS IN THE SPACE.
- PROVIDE NEW COUNTER MOUNTED EYEWASH IN STAFF ROOM C/W UNDER-COUNTER MIXING VALVE. INSTALL EYEWASH WITH HANDLE AND HEADS FACTING AWAY FROM BACKSPASH. EXACT LOCATION TO BE COORDINATED WITH LCBO. REFER TO M-2 FOR DETAIL. PROVIDE 1/2" DIA C/W AND 1/2" DIA D/HW CONNECTIONS TO MIXING VALVE. PROVIDE 1/2" DIA TEMPERED WATER LINE. EYEWASH 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.
- PROVIDE NEW 1-1/4" DIA DOMESTIC COLD WATER PIPE C/W PIPE INSULATION AS HIGH AS POSSIBLE.
- PROVIDE NEW 1" DIA DOMESTIC HOT WATER PIPE C/W PIPE INSULATION AS HIGH AS POSSIBLE...
- EXISTING FLOOR DRAIN/FUNNEL FLOOR DRAIN/HUB DRAIN TO REMAIN. 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)
- PROVIDE NEW HOSE BIBB IN JANITOR ROOM. CONNECT HOSE BIBB TO AQUEOUS OZONE SYSTEM WHICH IS PROVIDED BY OTHERS. HOSE BIBB SHALL BE WATTS S-SERIES CAST BRASS C/W SEPARATE TAMPER-PROOF VACUUM BREAKER AND ESCUTCHEON. REFER TO M-2 FOR DETAIL
- PROVIDE TWO (2) NEW WATER HAMMER ARRESTORS FOR DOMESTIC HOT AND COLD WATER PIPES. WATER HAMMER ARRESTORS SHALL BE WATTS SERIES 15, 3/4" OR APPROVED EQUIVALENT. INSTALL WATER HAMMER ARRESTORS AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AT AN ACCESSIBLE SPACE. CONTRACTOR TO VERIFY THE WATER PRESSURE AND INSTALL PRESSURE REDUCING VALVE UPSTREAM OF WATER HAMMER ARRESTOR AS REQUIRED BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- EXISTING BASE BUILDING CONDENSATE PIPE OF HEAT PUMP UNITS (C/W CONDENSATE PUMP AND P-TRAP) AT HIGH LEVEL TO REMAIN (TERMINATE AT JANITOR SINK OR FFD, OPEN SIGHT). INCLUDE IN THIS CONTRACT AN ALLOWANCE FOR THE PIPE MODIFICATION OF 20 FT OF CONDENSATE PIPE C/W ACCESSORIES. (TYPICAL)
- EXISTING HOSE BIBB AND ASSOCIATED C/W LINE IN REMOTE WAREHOUSE TO REMAIN.

PLUMBING GENERAL NOTES:

- 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 CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS AND OR INTERFERENCES PRIOR TO COMMENCEMENT OF WORK.
- ALL INSTALLATIONS SHALL COMPLY WITH LCBO'S APPROVED SPECIFICATIONS. REFER TO DIVISION 20, 21, 22 AND 23 OF LCBO'S SPECIFICATIONS.
- ALL EXISTING 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, HWT, ETC.
- ALL VISIBLE RETAIL/WAREHOUSE PIPING (EXCEPT GAS LINE) SHALL BE PAINTED WHITE. COORDINATE FINAL COLOR WITH THE ARCHITECT.
- 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.
- ALL PIPE PENETRATIONS OF FIRE RATED WALLS TO BE FIRE-SEALED.
- ANY 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.
- CONTRACTOR SHALL PROVIDE BACKFILL AND MAKE GOOD FOR ALL UNDERGROUND WORK.
- CONTRACTOR SHALL PROVIDE PIPE IDENTIFICATIONS FOR ALL NEW PIPING AS PER SPECIFICATIONS. PIPE IDENTIFICATIONS SHALL NOT BE COVERED BY PAINT.



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Context Plan



General Notes

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4	08/02/2021	ISSUED FOR PERMIT & TENDER	ML
3	27/01/2021	ISSUED FOR 80% REVIEW	ML
2	19/01/2021	ISSUED FOR 60% REVIEW	ML
1	22/12/2020	ISSUED FOR 30% REVIEW	ML

Rev.	Date	Description	Issued By
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ISSUED FOR PERMIT & TENDER

Issued By:	08/02/2021
Issue Date:	
Project No.:	17M-02500-E2
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LCBO Store No. 668
Toronto, ON
Interior Fit-up

Project

PLUMBING LAYOUT

Drawing Title:

M-4

Sheet No.:



LIGHTING SYMBOLS	
SYMBOL	DESCRIPTION
— — —	LINE VOLTAGE CONTROL CONNECTION BETWEEN SWITCH AND FIXTURE, THERMOSTAT AND HEATER, ETC.
\$ \$ \$	ONE, TWO, THREE GANG LINE VOLTAGE LIGHT SWITCH. DO NOT GANG SWITCHES OF DIFFERENT VOLTAGES TOGETHER.
Ⓓ	DIMMER SWITCH. TYPE TO MATCH LOAD. DO NOT GANG DIMMERS TOGETHER WITH OTHER DEVICES.
TS	LINE VOLTAGE TIMER FOR LIGHTING.
\$	CEILING MOUNTED OCCUPANCY SENSOR.
Ⓒ	LOW VOLTAGE SWITCH CONNECTED TO LIGHTING CONTROL CONTACTOR OR RELAY.
Ⓔ	INTERNAL LIGHTING SENSOR, CAT.# LIGHTSAVER LS-101, WATTSTOPPER
OS1	OCCUPANCY SENSOR, WATTSTOPPER CAT.#PW-100 AUTOMATIC WALL SWITCH C/W 600W BALLAST-PARAMETER TO SET MANUAL 'ON', AUTOMATIC 'OFF'
OS2	OCCUPANCY SENSOR, WATTSTOPPER CAT.#PW-100 AUTOMATIC WALL SWITCH C/W 600W BALLAST-PARAMETER TO SET AUTOMATIC 'OFF', AUTOMATIC 'ON'
OS3	OCCUPANCY SENSOR, WATTSTOPPER CAT.#DW-203 - REFER TO OFFICE SENSOR CONNECTION DETAIL.

EMERGENCY LIGHTING SYMBOLS	
SYMBOL	DESCRIPTION
	CEILING MOUNTED EXIT LIGHT, COMPLETE WITH DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS.
	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.
	EMERGENCY BATTERY UNIT, PLUG-IN OR DIRECT CONNECT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
	SINGLE, DOUBLE, TRIPLE REMOTE BATTERY HEAD.
	RECESSED REMOTE EMERGENCY POTLIGHT

SECURITY SYMBOLS	
SYMBOL	DESCRIPTION
	PUSH BUTTON
EP	EMERGENCY PUSH BUTTON, SEE BARRIER FREE WASHROOM DETAIL.
L	DOOR LOCK BUTTON, SEE BARRIER FREE WASHROOM DETAIL.
S	BACK BOX FOR SECURITY CAMERA OR INTERCOM
PR	CARD READER
KP	KEYPAD
ES	ELECTRIC STRIKE
ML	ELECTROMAGNETIC LOCK
DO	DOOR OPERATOR
DH	DOOR HOLD
DC	DOOR CONTACT
	BUZZER
	SECURITY CAMERA
	CHIME

FIRE ALARM SYMBOLS	
SYMBOL	DESCRIPTION
	MANUAL PULL STATION
	FIRE ALARM BELL
	FIRE ALARM HORN
	COMBINATION FIRE ALARM HORN / STROBE
	FIRE ALARM STROBE LIGHT
	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
	HEAT DETECTOR
	FLOW SWITCH
	SUPERVISED VALVE
	FIRE ALARM PANEL FACP = FIRE ALARM CONTROL PANEL FAA = FIRE ALARM ANNUNCIATOR LGA = FA LOCAL GRAPHIC TR = TRANSPONDER PANEL
ELR	END-OF-LINE RESISTOR

ALL NEW FIRE ALARM DEVICES SHALL MATCH EXISTING.
ALL NEW AND RELOCATED DEVICES SHALL BE VERIFIED BY THE BASE BUILDING FIRE ALARM MANUFACTURER'S REPRESENTATIVE.

POWER SYMBOLS	
SYMBOL	DESCRIPTION
	15A, 120V DUPLEX RECEPTACLE, MOUNTED TYPICAL HEIGHT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
	SIMILAR TO ABOVE, BUT MOUNTED ABOVE COUNTER OR AS SPECIFIED.
	TWO 15A, 120V DUPLEX RECEPTACLES GANGED TOGETHER, MOUNTED TYPICAL HEIGHT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
	SIMILAR TO ABOVE, BUT MOUNTED ABOVE COUNTER OR AS SPECIFIED.
	15A, 120V SPLIT RECEPTACLE, MOUNTED ABOVE COUNTER. CONNECT TO 15A 2P GFCI CIRCUIT BREAKER.
	15A, 120V RECESSED 'CLOCK-TYPE RECEPTACLE'. REFER TO INTERIOR DESIGNER/ARCHITECT'S DRAWINGS FOR MOUNTING HEIGHT.
	20A, 120V GFI TYPE RECEPTACLE. REFER TO INTERIOR DESIGNER/ARCHITECT'S DRAWINGS FOR MOUNTING HEIGHT.
	20A, 120V DUPLEX RECEPTACLE, MOUNTED TYPICAL HEIGHT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
	SIMILAR TO ABOVE, BUT MOUNTED ABOVE COUNTER OR AS SPECIFIED.
	NON STANDARD RECEPTACLE, NEMA CONFIGURATION AS NOTED ON DRAWINGS.
	15A, 120V DUPLEX RECEPTACLE WITH ISOLATED GROUND, MOUNTED TYPICAL HEIGHT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
	15A, 120V DUPLEX RECEPTACLE WITH TWO USB CHARGING OUTLETS.

	15A, 120V DUPLEX RECEPTACLE, CEILING MOUNTED. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
	TWO 15A, 120V DUPLEX RECEPTACLES GANGED TOGETHER, CEILING MOUNTED. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
	15A, 120V DUPLEX RECEPTACLE, FLOOR MOUNTED. REFER TO SPECIFICATIONS/DETAILS FOR ADDITIONAL REQUIREMENTS.
	TWO 15A, 120V DUPLEX RECEPTACLES GANGED TOGETHER, FLOOR MOUNTED. REFER TO SPECIFICATIONS/DETAILS FOR ADDITIONAL REQUIREMENTS.
	120V/1φ, 208V/3φ, 600V/3φ DIRECT CONNECTION.
	CONTACTOR - REFER TO DETAILS FOR NUMBER OF POLES, AMPERAGE RATING AND COIL VOLTAGE.
P	B.F. DOOR PUSH BUTTON.
JB	4"x4" JUNCTION BOX UNLESS OTHERWISE NOTED ON DRAWINGS.
PB	PULL BOX, SIZE AS NOTED ON DRAWINGS.
	UNFUSED DISCONNECT SWITCH.
	FUSED DISCONNECT SWITCH.
	SURFACE OR RECESS MOUNTED PANEL.
	TRANSIENT VOLTAGE SUPPRESSION SYSTEM.
	FLOOR MOUNTED OR SUSPENDED DISTRIBUTION TRANSFORMER.
	ELECTRIC BASEBOARD HEATER.
	SURFACE OR RECESSED ELECTRIC FORCE FLOW HEATER.
	SINGLE PHASE MOTOR CONNECTION WITH LOCAL DISCONNECT.
	THREE PHASE MOTOR CONNECTION WITH LOCAL DISCONNECT.
T	LINE VOLTAGE THERMOSTAT
M	ELECTRICAL METER
Ⓟ	SPEED CONTROLLER FOR CIRCULATING FAN BY MECHANICAL CONTRACTOR, CONDUIT AND WIRING BY THE ELECTRICAL CONTRACTOR.
Ⓢ	SPACE CONTROLLER FOR HVAC BY MECHANICAL CONTRACTOR, CONDUIT BY THE ELECTRICAL CONTRACTOR.

COMMUNICATION SYMBOLS	
SYMBOL	DESCRIPTION
	SINGLE ANALOGUE VOICE OUTLET MOUNTED AT TYPICAL HEIGHT WITH SINGLE GANG BACK BOX AND 3/4" CONDUIT C/W PULL STRING TO ACCESSIBLE CEILING SPACE.
	SINGLE VOICE/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.
	CABLE TV OUTLET, PROVIDE BACK BOX, 3/4" CONDUIT AND PULL STRING TO ACCESSIBLE CEILING SPACE. COORDINATE MOUNTING HEIGHT WITH INTERIOR DESIGNER/ARCHITECT.
	CEILING MOUNTED VOICE/DATA OUTLET, PROVIDE OCTAGON JUNCTION BOX MOUNTED IN FINISHED CEILING WITH CONDUIT C/W PULLSTRING TO ACCESSIBLE CEILING SPACE.
	FLOOR MOUNTED VOICE/DATA OUTLET. REFER TO DETAIL FOR ADDITIONAL REQUIREMENTS.
	TELECOM GROUNDING BUS BAR

GENERAL ANNOTATIONS	
ANNOTATION	DESCRIPTION
EM	CONNECT TO EMERGENCY CIRCUIT SERVING SPACE.
NL	CONNECT TO UNSWITCHED NIGHT LIGHT CIRCUIT SERVICE SPACE.
K	KEYED SWITCH
3	THREE WAY SWITCH
4	FOUR WAY SWITCH
BL	MOTORIZED BLINDS OR SHADE SWITCH
M	MASTER SWITCH
E	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 IT 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.

DRAWING LIST	
DRAWING NO.	DRAWING TITLE
E-1	ELECTRICAL LEGEND OF SYMBOLS
E-2	LUMINAIRES SCHEDULE/ELECTRICAL ROOM LAYOUT
E-3	SINGLE LINE DIAGRAM AND PANEL SCHEDULES
E-4	ELECTRICAL LIGHTING LAYOUT
E-5	ELECTRICAL POWER LAYOUT
E-6	DETAILS
E-7	DETAILS
E-8	MOUNTING DETAILS
E-9	DETAILS
E-10	DETAILS

SPECIFICATION SECTIONS	
SECTION	DESCRIPTION
26 05 00	DIVISION 26 (BASIC ELECTRICAL MATERIALS)
26 05 00.03	DIVISION 26 (LCBO STORE CABLING)
26 05 48	DIVISION 26 (VIBRATION ISOLATION)
26 24 13.21	DIVISION 26 (ELECTRICAL SERVICE)
26 51 14	DIVISION 26 (LIGHTING FIXTURE AND LAMPS)
28 13 28	DIVISION 28 (SECURITY & COMMUNICATION SYSTEMS)
28 31 00	DIVISION 28 (FIRE ALARM SYSTEM)

REFER TO THE SECTION ABOVE FOR SRRS ELECTRICAL SPECIFICATIONS IN THE BID SPECIFICATIONS BINDER.

ELECTRICAL DRAWINGS GENERAL NOTES:

- 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.
- 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.
- MAINTAIN EXISTING FIRE ALARM, EXIT SIGNS AND EMERGENCY LIGHTS IN FULL OPERATION DURING THE ENTIRE CONSTRUCTION STAGE.
- NEW AND EXISTING ELECTRICAL WIRING AND CABLES EXPOSED WITHIN THE CEILING SPACES SHALL CONFORM TO THE PLENUM REQUIREMENTS OF OBC SENTENCE 3.6.4.3. (1).
- 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.
- 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.
- 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
- MOUNTING HEIGHT FOR ALL SWITCHES, PULL STATIONS, EXIT PUSH BUTTON AND SECURITY DEVICES SHALL BE COORDINATED WITH ARCHITECTURAL DRAWING.
- ALL NEW DEVICES INSTALLED WHERE NEW FINISHES OCCUR SHALL BE FLUSH MOUNTED.
- 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.
- 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 EXISTINGNEW FIRE RATING THROUGHOUT THE LCBO SPACE.
- 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.

ELECTRICAL CLOSEOUT LETTER / BINDER DOCUMENTS

- PROVIDE CLOSEOUT DOCUMENTS FOR CLOSE OUT LETTER AFTER SUBSTANTIAL COMPLETION OF THE INSTALLATION
 - ESA INSPECTION CERTIFICATE
 - EMERGENCY LIGHTING TESTING (LUX READINGS) REPORT (MIN. 20 READINGS).
 - FIRE ALARM VERIFICATION REPORT C/W DBA TEST READINGS (APPLIES TO PROJECTS WITH FIRE ALARM SYSTEMS)
 - SEISMIC ENGINEERS SIGN-OFF, SEALED BY A PROFESSIONAL ENGINEER (APPLIES TO PROJECTS IN A SEISMIC ZONE)
- PROVIDE CLOSEOUT DOCUMENTS FOR CLOSE OUT BINDER AFTER SUBSTANTIAL COMPLETION OF THE INSTALLATION
 - AS-BUILT DRAWINGS WITH CLEAR INFORMATION OF ALL JUNCTION BOXES AND INTERCONNECTED CONDUITS LOCATION
 - PRINTED COPY OF PANEL SCHEDULES.
 - ELECTRICAL LOAD AND BALANCE REPORT
 - WARRANTY LETTER
 - MAINTENANCE MANUALS
 - APPROVED AND STAMPED SHOP DRAWINGS
 - ARC FLASH COORDINATION STUDY AND SHORT CIRCUIT ANALYSIS



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Context Plan

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3	2021/01/25	80% Drawing Review	MP
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LCBO Store No. 668
TORONTO, ON
Interior Fit-up

Project:

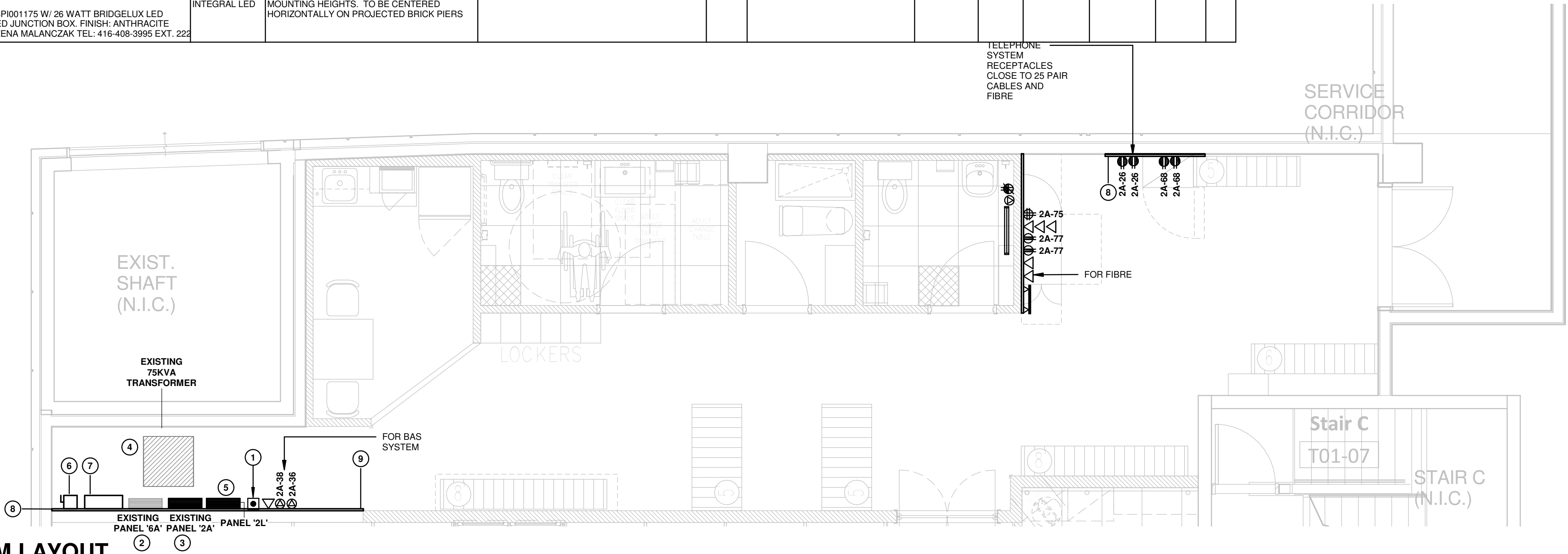
ELECTRICAL LEGEND OF SYMBOLS

Drawing Title:	
E-1	R4
Sheet No.:	Rev.

REFLECTED CEILING LIGHTING LEGEND

SYMBOL	DESCRIPTION	LAMP/ WATTS	REMARKS	NOTES	LAMP #	LAMP TYPE	WATTAGE	BASE	BEAM SPREAD	LAMP LIFE	COLOUR TEMP.	CRI
	4" DIA. RECESSED LED DOWNLIGHT BY: JUNO LIGHTING INDY L4 SERIES HYPERBOLIC OPEN APERTURE MEDIUMWIDE BEAM C/W WHITE FLANGE FINISH PRODUCT #L4-17-30-120-L400H-CL-WH	22W INTEGRAL LED	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	L2	LOW IRIDESCENT SPECULAR LED	22 W	N/A	N/A	>50,000 HRS	3000 K	80
	NARROW FLOOD TRACK LIGHTING BY: JUNO LIGHTING TRAC-MASTER CYLINDRA LED ALUMINUM FINISH AND TRACK TO MATCH PRODUCT #T254L-3K-N	15W 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	L3	T254L LED CYLINDRA LED	15 W	N/A	28° NARROW FLOOD	>50,000 HRS	3000 K	85
	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 T256L LED	LOCATED IN GENERAL RETAIL AREA. BCR T-BAR CEILING	ALUMINUM TRACK & TRACK HEADS C/W REQUIRED FEEDS, JOINERS, CONNECTORS ETC.	L4	T256 LED WALL WASH/FLOOD LED	35 W	N/A	N/A	>50,000 HRS	3000 K	85
	LENGTH: 24" LONG T5 SINGLE CFI FLUORESCENT LIGHT FIXTURE BY: CANLYTE PRODUCT #SV2S114-UNV (HOUSING) PRODUCT #F14T5-830-ALTO (LAMP)	1 x 14W T5 FLUORESCENT	UNDER CABINET LIGHTING LOCATED IN OFFICE STAFF KITCHEN AND BEHIND SIGN BAND FASCIA - ELECTRONIC BALLAST BEHIND SIGN BAND FASCIA	COOPER LIGHTING #SNF-114T5-UNV-EBT1-U (METALUX) REFER TO PLAN FOR REQUIRED QUANTITY	F8	24" T5 LONG-LIFE LINEAR FLUORESCENT TUBE	14 W	BI-PIN	N/A	>20,000 HRS	3500 K	85
	LENGTH: 36" LONG T5 SINGLE CFI FLUORESCENT LIGHT FIXTURE BY: CANLYTE PRODUCT #SV3S121-UNV (HOUSING) PRODUCT #F21T5-830-ALTO (LAMP)	1 x 21W T5 FLUORESCENT	UNDER CABINET LIGHTING LOCATED IN OFFICE STAFF KITCHEN AND BEHIND SIGN BAND FASCIA - ELECTRONIC BALLAST BEHIND SIGN BAND FASCIA	COOPER LIGHTING #SNF-121T5-UNV-EBT1-U (METALUX) REFER TO PLAN FOR REQUIRED QUANTITY	F9	36" T5 LONG-LIFE LINEAR FLUORESCENT TUBE	21 W	BI-PIN	N/A	>20,000 HRS	3500 K	85
	LENGTH: 36" LONG T5 SINGLE CFI FLUORESCENT LIGHT FIXTURE BY: CANLYTE PRODUCT #SV3S121-UNV (HOUSING) PRODUCT #F21T5-830-ALTO (LAMP)	1 x 28W T5 FLUORESCENT	UNDER CABINET LIGHTING LOCATED IN OFFICE STAFF KITCHEN AND BEHIND SIGN BAND FASCIA - ELECTRONIC BALLAST BEHIND SIGN BAND FASCIA	COOPER LIGHTING #SNF-128T5-UNV-EBT1-U (METALUX) REFER TO PLAN FOR REQUIRED QUANTITY	F10	48" T5 LONG-LIFE ENERGY SAVER LINEAR FLUORESCENT TUBE	28 W	BI-PIN	N/A	>50,000 HRS	3500 K	85
	6'-0" SUSPENDED LINEAR'S BY: AXIS LIGHTING (REFER TO RCP PLAN PG. 5) BEAM 2 LED-BDLED-B1-750-30-SO #SAP-120 C/W CA#8-0" AIRCRAFT CABLE/POWER CORD FINISH: ALUMINUM PAINT CONTACT: SALEX - ROHAN PERIANA. CELL NO. 416-457-6432. EMAIL:RPERIANA@SALEX.CA	1,875W/LF INTEGRAL LED	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. 8'-0" LENGTH. G.C. TO CONFIRM LENGTH FROM TOP CLG. JOISTS TO 9'-6" A.F.F. LED LIGHTING PILOT	L5	LED LINEAR	11 W	N/A	N/A	>50,000 HRS	3000 K	85
	8'-0" SUSPENDED LINEAR'S BY: AXIS LIGHTING (REFER TO RCP PLAN PG. 5) BEAM 2 LED- W/ 2 SPOTS C/W CA#6-0" AIRCRAFT CABLE/POWER CORD BDLED-B1-750-30-SO-5-(2X) MR1 LED-S#AP-120 C/W JOINERS G.C. TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO 11'-6" A.F.F. FINISH: ALUMINUM PAINT. AVAIL. SIZES: 12", 8", 6", 5", 4", 3", 2 CONTACT: SALEX - ROHAN PERIANA. CELL NO. 416-457-6432. EMAIL:RPERIANA@SALEX.CA	1,875W/LF 3W/SPOT INTEGRATED LED	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. G.C. TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO 11'-6" A.F.F. LED LIGHTING PILOT		LED LINEAR WITH SINGLE HEAD LED ADJUSTABLE SPOT LIGHTS	21 W	N/A	N/A	>50,000 HRS	3000 K	85
	12'-0" SUSPENDED LINEAR'S BY: AXIS LIGHTING (REFER TO RCP PLAN PG. 5) BEAM 2 LED- W/ 2 SPOTS C/W CA#6-0" AIRCRAFT CABLE/POWER CORD BDLED-B1-750-30-SO-5-(2X) MR1 LED-S#AP-120 C/W JOINERS G.C. TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO 11'-6" A.F.F. FINISH: ALUMINUM PAINT. AVAIL. SIZES: 12", 8", 6", 5", 4", 3", 2 CONTACT: SALEX - ROHAN PERIANA. CELL NO. 416-457-6432. EMAIL:RPERIANA@SALEX.CA	1,875W/LF 3W/SPOT INTEGRATED LED	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. G.C. TO CONFIRM LENGTH FROM U/S CLG. JOISTS TO 11'-6" A.F.F. LED LIGHTING PILOT		LED LINEAR WITH SINGLE HEAD LED ADJUSTABLE SPOT LIGHTS	29 W	N/A	N/A	>50,000 HRS	3000 K	85
	2x2 RECESSED LED FIXTURE BY: LITHONIA LIGHTING ACLED SERIES 2X2' FINISH: WHITE PRODUCT #2ACL2-40L-EZ1-LP830	38W LP830 LED	LOCATED IN OFFICE, BCR, STAFF KITCHEN AND STAFF WASHROOMS		L13	LP830 LED (X1)	38 W	N/A	N/A	>50,000 HRS	3500 K	82
	CFI- FLUXSTREAM 48" LONG LED LINEAR REFLECTOR LUMINAIRE #FSS-4-40L-835-UNV-DIM C/W WIRE GUARD FSSWG4 (WHITE)	31W INTEGRAL LED	JANITOR ROOM WALL MOUNTED CENTERED ON WALL AT 8'-0" A.F.F.		L16	LED STRIP	31 W	N/A	N/A	>50,000 HRS	3500 K	80
	EMERGENCY LIGHTING REFER TO SECTION 26.51 14 OF THE SRRS		RETAIL, BOH & SERVICE PLATFORM		L17		6 W	N/A			3000 K	80
	EXTERIOR 1-WAY LIGHT FIXTURE (DOWN ONLY) BY: SISTEMALUX IGUZZINI KRISS DOWNLIGHT #1.0588-SP1001175 W/ 25 WATT BRIDGELLUX LED INTEGRATED WITH RECESSED JUNCTION BOX FINISH: ANTHRACITE (DARK GRAY) CONTACT: BOZENA MALANCZAK TEL: 416-408-3995 EXT. 222	28W INTEGRAL LED	REFER TO EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS. TO BE CENTERED HORIZONTALLY ON PROJECTED BRICK PIERS		L19	INTEGRATED BRIDGELLUX MODULE	26 W	N/A	N/A	>50,000 HRS	3000 K	80

ELECTRICAL ROOM LAYOUT
SCALE: 1/4" = 1'-0"



ELECTRICAL DISTRIBUTION GENERAL NOTES:

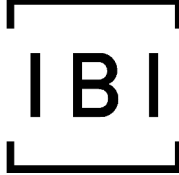
- NEW PANEL LP-2L, 225A, 120/208V, 3Ø, 4W SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. PANEL 2L SHALL BE SQUARE D POWER LINK COMPLETE WITH BUILT-IN Q43500 LIGHTING CONTROLLER. ELECTRICAL CONTRACTOR TO PROVIDE POWERLINK ECB SERIES BREAKER, BREAKER QUANTITY TO SUIT PANEL SCHEDULES. SEE SRRS FOR PANEL SPECIFICATION.
- ("NOT USED") COLD BOX PLC CONTROLLER SHALL BE SUPPLIED BY REFRIGERATION CONTRACTOR. CONDUIT AND WIRING FOR PLC CONTROLLER BY ELECTRICAL CONTRACTOR. PLC CONTROLLER LOCATION SHALL BE COORDINATED ON SITE WITH REFRIGERATION CONTRACTOR. EMPTY CONDUIT BY THE ELECTRICAL CONTRACTOR.
- 600V NEUTRAL SHALL BE BONDED AND GROUNDED AS PER ONTARIO ELECTRICAL SAFETY CODE.
- ("NOT USED") PROVIDE 12" CONDUIT FROM COLD BOX PLC CONTROLLER TO COLD ROOM ROOF MOUNTED AIR CONDITION UNITS AS SHOWN. DATA CABLES COMPLETE WITH RJ45 CONNECTORS SHALL BE SUPPLIED AND INSTALLED BY THE REFRIGERATION CONTRACTOR. EMPTY CONDUIT BY THE ELECTRICAL CONTRACTOR.
- 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).
- ALL BREAKERS THAT ARE NOT CONNECTED TO ANY LOAD CIRCUIT SHALL BE TURNED OFF.
- PROVIDE FIELD 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.
- PROVIDE EXTERNAL TVSS SYSTEM FOR LIGHTING PANEL AS PER ELECTRICAL SPECIFICATION. TVSS TO BE INSTALLED NO MORE THAN 3' FROM SOURCE BREAKER OF THE ASSOCIATED PANEL. SEE DETAIL 4/E-9.
- THE BREAKERS SHALL BE ARRANGED AS PER PANEL 2A AND 6A SCHEDULES REGARDLESS OF EXISTING BREAKER POSITION. ELECTRICAL CONTRACTOR TO DISCONNECT THE EXISTING CONNECTION FROM PANELS PROVIDED BY LANDLORD AND RECONNECT AS PER LCBO PANEL SCHEDULES AND FLOOR PLAN.
- ALL CONDUITS, JUNCTN 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

ELECTRICAL DISTRIBUTION KEYNOTES

- 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 UNITS SUCH THAT UPON ACTIVATION OF PUSH BUTTON, THE BATTERY UNITS SHALL BE TEMPORARILY SENSED AS POWER FAILURE THROUGH BUILT-IN 15 MNITS. TIME DELAY SWITCH. ALL EMERGENCY REMOTE HEADS SHALL BE TURNED ON TEMPORARILY UPON ACTIVATION OF PUSH BUTTON. SEE DETAIL FOR 3/E-3 FOR THE CONNECTION. PROVIDE A LAMACOID LABEL AS "EMERGENCY LIGHT TEST"
- EXISTING 400A, 347/600V, 3Ø, 4W PANEL "6A"
- EXISTING PANEL 2A (400A @ 120/208V, 3Ø, 4W, 84 CCTS)
- EXISTING 75kVA TRANSFORMER (SUSPENDED)
- NEW PANEL 2L (225A @ 120/208V, 3Ø, 4W, 42 CCT)
- 200A MAIN DISCONNECT
- EXISTING 16X16X8" JUNCTION BOX BY LANDLORD
- EXISTING BACKBOARD PLYWOOD
- NEW FIRE RATED PLYWOOD BACKBOARD TO MATCH EXISTING BY ELECTRICAL CONTRACTOR
- 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 DEMARICATION POINT IN C38A JACK. RECEPTACLE AND DATA OUTLETS SHALL BE INSTALLED ON PLYWOOD.

LIGHTING DRAWINGS GENERAL 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.
- ALL LIGHT FIXTURES SHALL BE SUPPLIED BY (ENS), INSTALLED BY THE ELECTRICAL CONTRACTOR.
- 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.
- 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.



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TORONTO ON



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Context Plan

General Notes

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

4	2021/02/08	Issued for Permit & Tender	MP
3	2021/01/25	80% Drawing Review	MP
2	2021/01/19	60% Drawing Review	MP
1	2020/12/22	30% Drawing Review	MP
Rev.	Date	Description	Initial



Issued for Permit & Tender

2021/02/08

171-02500-E2	1/4" = 1'-0"	MP	MP
Project No.	Scale	Drawn By	Checked By

LCBO Store No. 668
TORONTO, ON
Interior Fit-up

Project
LUMINAIRES
SCHEDULE/ELECTRICAL
ROOM LAYOUT

Drawing Title	E-2	R4
Sheet No.		

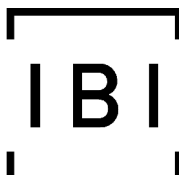
NEW EXISTING													
PANEL: 2L													
LOAD DESCRIPTION	NOTE	BRKR	CCT No.	A	B	C	CCT No.	BRKR	NOTE	LOAD DESCRIPTION			
EXIT SIGNAGE + BATTERY UNITS	*	15 A	1	726 / 66			2	20 A		ZONE 6 - VESTIBULE LIGHTING			
ZONE 2 - CASH DESK LIGHTING		20 A	3		23 / 0		4	15 A	--				--
ZONE 1 - EMPLOYEE WAREHOUSE		20 A	5			93 / 83	6	20 A		ZONE 1 - RETAIL CUSTOMER LIGHTING			
ZONE 2 - CUSTOMER WAREHOUSE		20 A	7	93 / 75			8	20 A		ZONE 2 - RETAIL CUSTOMER LIGHTING			
NIGHT LIGHTING		20 A	9		157 / 0		10	20 A	--				--
REMOTE STORAGE LIGHTING		20 A	11			248 / 0	12	20 A	--				--
--	--	20 A	13	0 / 0			14	15 A	--				--
--	--	20 A	15		0 / 0		16	20 A	--				--
ZONE 1 - EMPLOYEE TRACK LIGHTING		20 A	17			380 / 250	18	15 A		ZONE 7 - LCBO CHANNEL LETTERS			
ZONE 1 - EMPLOYEE TRACK LIGHTING		20 A	19	445 / 500			20	15 A		ZONE 7 - LCBO LETTER SIGNAGE			
ZONE 4 - RETAIL TRACK LIGHTING		20 A	21		270 / 500		22	15 A		ZONE 7 - LCBO BLADE SIGNAGE			
ZONE 4 - RETAIL TRACK LIGHTING		20 A	23			360 / 0	24	20 A	--				--
ZONE 3 - RETAIL VALENCE LIGHTING		20 A	25	497 / 0			26	20 A	--				--
WASHROOM & STAFF AREA LIGHTING		20 A	27		395 / 0		28	20 A	--				--
ZONE 4 - GIFT / SPIRITS LIGHTING		15 A	29			400 / 0	30	20 A	--				--
ZONE 4 - GIFT / SPIRITS LIGHTING		15 A	31	1034 / 0			32	20 A	--				--
--	--	20 A	33		0 / 0		34	20 A	--				--
ZONE 4 - FRIDGE/THC LIGHTING		20 A	35			1250 / 0	36	20 A	--				--
--	--	20 A	37	0 / 0			38						
--	--	20 A	39		0 / 0		40	30 A	--				--
--	--	20 A	41			0 / 0	42						--
VOLTAGE: 120/208 V						3.4 kVA				RECESSED:			
PHASE: 3						1.3 kVA				SURFACE:			
WIRE: 4						3.1 kVA				DRIP HOOD:			
MAINS: 225 A						TOTAL CONNECTED LOAD: 7.8 kVA				FEED THROUGH LUGS:			
KAIC RATING: 22kA						TOTAL DEMAND LOAD: 7.7 kVA				MAIN BREAKER:			
LOCATION:										NOTE: ALL BREAKERS ARE NEW U.N.O			
FED FROM: 2A										* DENOTE LOCK-ON TYPE BREAKER			
										** DENOTES GFCl TYPE BREAKER			
NOTES: 1. PANEL TO BE IN AN EEMAC 2 ENCLOSURE, GASKETED, SPRINKLER PROOF C/W DRIP SHIELD & DOOR 2. ALL BREAKERS NOT CONNECTED TO ANY LOAD CIRCUIT SHALL BE TURNED TO OFF POSITION. ALL SLOTS SHALL HAVE A BREAKER, NO EMPTY SPACES 3. REVISE THE PANEL SCHEDULES AND BREAKER POSITION REGARDLESS OF EXISTING BREAKER ARRANGEMENT IN EXISTING PANEL 4. PROVIDE LAMACOID LABEL TO IDENTIFY PANEL NAME, SIZE, SOURCE OF ELECTRICAL SUPPLY AND CIRCUIT NUMBER AS APPLICABLE FOR PANEL...													

DEMAND LOAD CALCULATION

EQUIPMENT NAME	LIGHTING		RECEPTACLES		MISC. POWER		HVAC LOAD		REFRIGERATION		TOTAL LOAD
	LOAD	DEMAND FACTOR	LOAD	DEMAND FACTOR	LOAD	DEMAND FACTOR	LOAD	DEMAND FACTOR	LOAD	DEMAND FACTOR	
Panel 6A	7.09 kW	1.00	14.83 kW	0.75	7.50 kW	0.75					70.86 kW
Panel 2A	7.09 kW	1.00	14.83 kW	0.75	7.50 kW	0.75					44.41 kW
Panel 2L	7.09 kW	1.00	0.75 kW	0.75							7.66 kW
EXISTING 75KVA TRANSFORMER	7.09 kW	1.00	14.83 kW	0.75	7.50 kW	0.75					44.41 kW

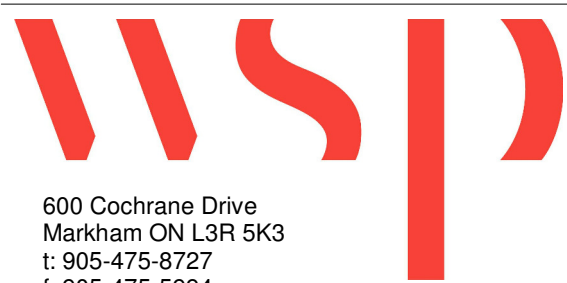
NEW EXISTING													
PANEL: 2A													
LOAD DESCRIPTION	NOTE	BRKR	CCT No.	A	B	C	CCT No.	BRKR	NOTE	LOAD DESCRIPTION			
(EX) DOOR OPERATOR		15 A	1	500 / 0			2						
(EX) DOOR OPERATOR		15 A	3		500 / 0		4	30 A	--				TVSS
(EX) DOOR OPERATOR		15 A	5			500 / 0	6						
HOUSEKEEPING RECEPTACLES		15 A	7	450 / 300			8	15 A		GENERAL RECEPTACLES REMOTE STORAGE			
TRAP SEAL PRIMER		15 A	9		500 / 1000		10						
(EX) HEAT PUMP HP-5		15 A	11			907 / 1000	12	20 A					VACULIFT
		15 A	13	907 / 1000			14						
(EX) HEAT PUMP HP-1		30 A	15		1728 / 250		16			(EX) BAILER (NEMA L14-20R)			
** FAN + ANTISWEAT FOR FR-1, FR-2		15 A	17			1512 / 250	18						
** FAN + ANTISWEAT FOR FR-3		15 A	19	756 / 375			20	20 A		CONDENSATE PUMP HP-2, HP-3, HP-4			
EXHAUST FAN EF-1		15 A	21		696 / 450		22	15 A		JANITOR & WASHROOM GFI RECEPTACLES			
EXHAUST FAN EF-2		15 A	23			696 / 150	24	15 A		OZONE PURIFIER RECEPTACLES			
EXHAUST FAN EF-3		15 A	25	696 / 300			26	15 A		TELEPHONE IG RECEPTACLES			
OPEN SIGN RECEPTACLES		15 A	27		150 / 1500		28	20 A		HOT WATER TANK (HWT-1)			
SHADE REPEATER RECEPTACLES		15 A	29			150 / 1500	30						
SECURITY MONITOR		15 A	31	300 / 500			32	15 A		SEC. & AUDIO CABINET RECEPTACLES			
BARRIER FREE DOOR CONTROLLER		15 A	33		500 / 500		34	15 A		SECURITY IG RECEPTACLES			
WINDOW SHADES (SH-1)		15 A	35			300 / 500	36	15 A		EMS FOR BAS SYSTEM			
WINDOW SHADES (SH-2)		15 A	37	300 / 500			38	15 A		EMS FOR BAS SYSTEM			
WINDOW SHADES (SH-3)		15 A	39		300 / 1000		40	20 A		STAFF ROOM GFI RECEPTACLES			
CONDENSATE PUMP HP-1, HP-5, HP-6		20 A	41			375 / 1000	42	20 A		STAFF ROOM GFI RECEPTACLES			
SECURITY GATE		15 A	43	100 / 800			44	15 A		REFRIGERATOR RECEPTACLE			
SCANNER GUN CHARGER		15 A	45		100 / 450		46	15 A		STAFF ROOM RECEPTACLES			
POS RECEPTACLES		15 A	47			600 / 1200	48	20 A		STAFF ROOM MICROWAVE			
POS IG RECEPTACLES		15 A	49	600 / 500			50	15 A		BBH-1			
CUSTOMER SERVICE/POS RECEPTACLES		15 A	51		300 / 500		52	15 A		BBH-2			
CUSTOMER SERVICE/POS IG RECEPTACLES		15 A	53			450 / 500	54	15 A		BBH-3			
CHIME BUZZER	--	15 A	55	0 / 0			56	15 A	--	SPARE			
		15 A	57		1664 / 0		58	15 A	--	SPARE			
CONDENSING UNIT (CU-1)		25 A	59			1664 / 0	60	15 A	--	SPARE			
SPARE	--	15 A	61	0 / 0			62	15 A	--	SPARE			
SPARE	--	15 A	63		0 / 450		64	15 A		WORKSTATION IG RECEPTACLES			
SPARE	--	15 A	65			0 / 450	66	15 A		WORKSTATION RECEPTACLES			
SPARE	--	15 A	67	0 / 300			68	20 A		COMMUNICATION IG RECEPTACLES			
SPARE	--	15 A	69		0 / 800		70	20 A		PRINTER RECEPTACLE			
SPARE	--	15 A	71			0 / 0	72	15 A	--	SPARE			
SPARE	--	15 A	73	0 / 0			74	15 A	--	SPARE			
NVR RECEPTACLES		15 A	75		84 / 0		76	15 A	--	SPARE			
NVR UPS RECEPTACLES		20 A	77			1000 / 0	78	15 A	--	SPARE			
			79	3436 / 1614			80						
PANEL '2L'		100 A	81		1345 / 1614		82			(EX) HEAT PUMP HP-6			
			83			3064 / 1614	84	25 A					
VOLTAGE: 120/208 V						14.2 kVA				RECESSED:			
PHASE: 3						16.4 kVA				SURFACE:			
WIRE: 4						19.4 kVA				DRIP HOOD:			
MAINS: 400 A						TOTAL CONNECTED LOAD: 50.0 kVA				FEED THROUGH LUGS:			
KAIC RATING:						TOTAL DEMAND LOAD: 44.4 kVA				MAIN BREAKER:			
LOCATION:										NOTE: ALL BREAKERS ARE NEW U.N.O			
FED FROM: EXISTING 75KVA TRANSFORMER										* DENOTE LOCK-ON TYPE BREAKER			
										** DENOTES GFCl TYPE BREAKER			
NOTES: 1. PANEL TO BE IN AN EEMAC 2 ENCLOSURE, GASKETED, SPRINKLER PROOF C/W DRIP SHIELD & DOOR 2. ALL BREAKERS NOT CONNECTED TO ANY LOAD CIRCUIT SHALL BE TURNED TO OFF POSITION 3. REVISE THE PANEL SCHEDULES AND BREAKER POSITION REGARDLESS OF EXISTING BREAKER ARRANGEMENT IN EXISTING PANEL 4. PROVIDE LAMACOID LABEL TO IDENTIFY PANEL NAME, SIZE, SOURCE OF ELECTRICAL SUPPLY AND CIRCUIT NUMBER AS APPLICABLE FOR PANEL AND ALL CONNECTED EQUIPMENT REGARDLESS IF NOT INSTALLED BY THIS CONTRACTOR.													

PANEL: 6A														☐ NEW ☒ EXISTING	
LOAD DESCRIPTION	NOTE	BRKR	POLE S	CCT No.	A	B	C	CCT No.	POLE S	BRKR	NOTE	LOAD DESCRIPTION			
(EX) HEAT PUMP HP-3		15 A	3	1	2494 /...			2		3	90 A		EXISTING 75KVA TRANSFORMER		
				3		2494 /...		4							
				5			2494 /...	6							
				7	2494 / 0			8							
(EX) HEAT PUMP HP-2		15 A	3	9		2494 / 0		10		3	15 A	--	PHASE LOSS BREAKER		
				11			2494 / 0	12							
(EX) HEAT PUMP HP-4		15 A	3	13	2494 / 1333			14		3	15 A		FORCE FLOW HEATER FFH-1		
				15		2494 / 1333		16							
				17			2494 / 1333	18							
				19				20							
				21				22							
				23				24							
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VOLTAGE: 347/600 V				PHASE A: 23.0 kVA						RECESSED: ☐					
PHASE: 3				PHASE B: 25.2 kVA						SURFACE: ☒					
WIRE: 4				PHASE C: 28.2 kVA						DRIP HOOD: ☐					
MAINS: 400 A				TOTAL CONNECTED LOAD: 76.4 kVA						FEED THROUGH LUGS: ☐					
KAIC RATING: 10KA				TOTAL DEMAND LOAD: 70.9 kVA						MAIN BREAKER: ☐					
LOCATION: FED FROM:										NOTE: ALL BREAKERS ARE NEW U.N.O * DENOTE LOCK-ON TYPE BREAKER ** DENOTES GFCl TYPE BREAKER					
NOTES: 1. PANEL TO BE IN AN EEMAC 2 ENCLOSURE, GASKETED, SPRINKLER PROOF C/W DRIP SHIELD & DOOR 2. ALL BREAKERS NOT CONNECTED TO ANY LOAD CIRCUIT SHALL BE TURNED TO OFF POSITION. 3. REVISE THE PANEL SCHEDULES AND BREAKER POSITION REGARDLESS OF EXISTING BREAKER ARRANGEMENT IN EXISTING PANEL. 4. PROVIDE LAMACOID LABEL TO IDENTIFY PANEL NAME, SIZE, SOURCE OF ELECTRICAL SUPPLY AND CIRCUIT NUMBER AS APPLICABLE FOR PANEL AND ALL CONNECTED EQUIPMENT REGARDLESS IF NOT INSTALLED BY THIS CONTRACTOR.															



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TORONTO ON



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f: 905-475-5994
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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.BIDDING.COM/LCBO

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5	2021/01/25	80% Drawing Review	MP
6	2021/01/19	80% Drawing Review	MP
1	2020/12/22	30% Drawing Review	MP

Rev.	Date	Description	Initial
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Issued for Permit & Tender

Issued for:

2021/02/08

Issue Date:	As indicated	MP	MP
Project No.:	Scale:	Drawing By:	Checked By:

LCBO Store No. 668
TORONTO, ON
Interior Fit-up

ELECTRICAL LIGHTING
LAYOUT

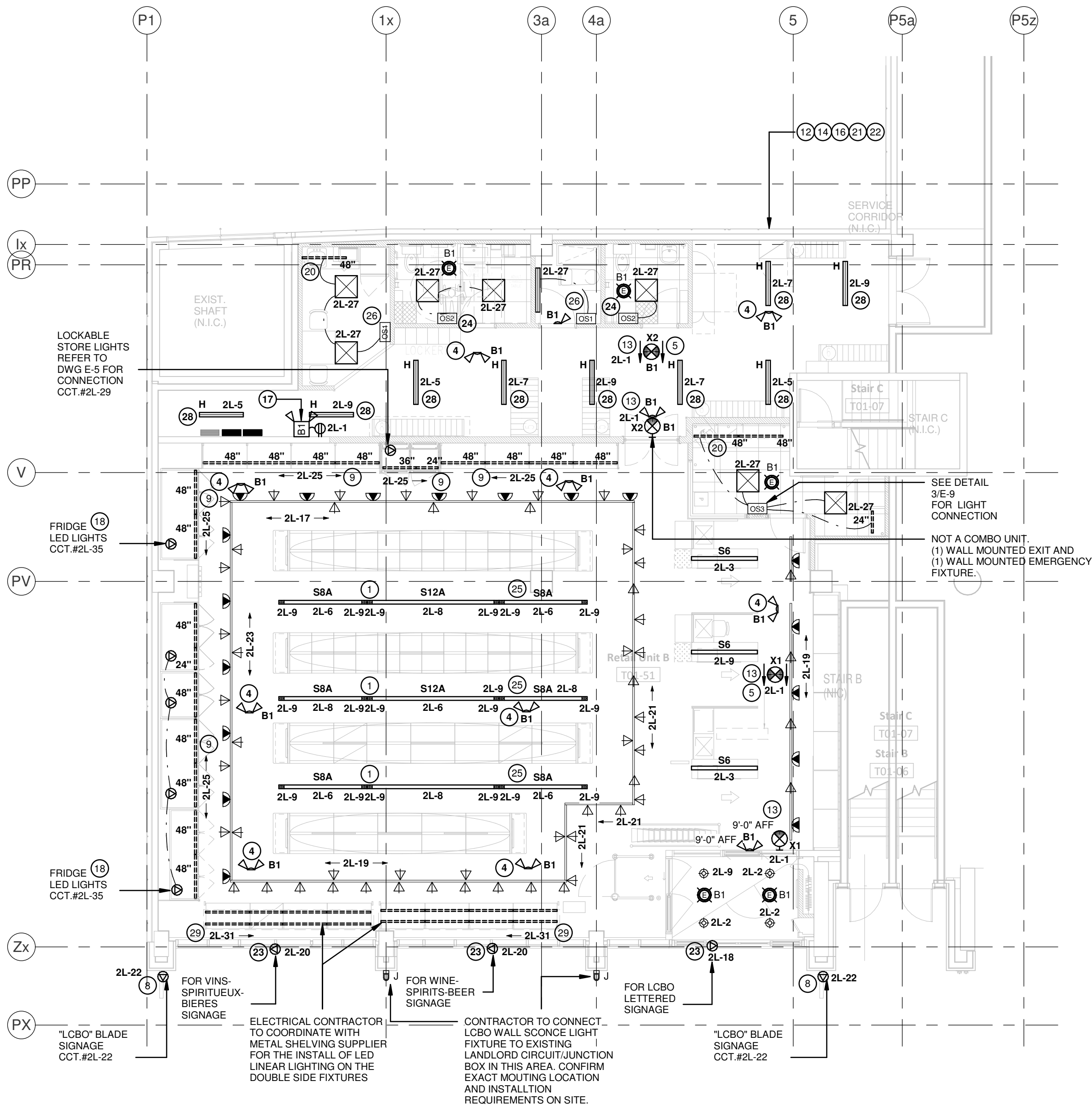
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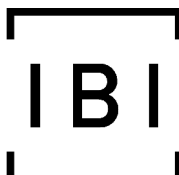
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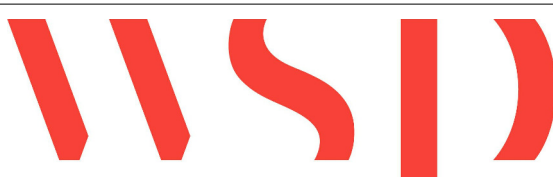
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LCBO Store #668
TORONTO ON

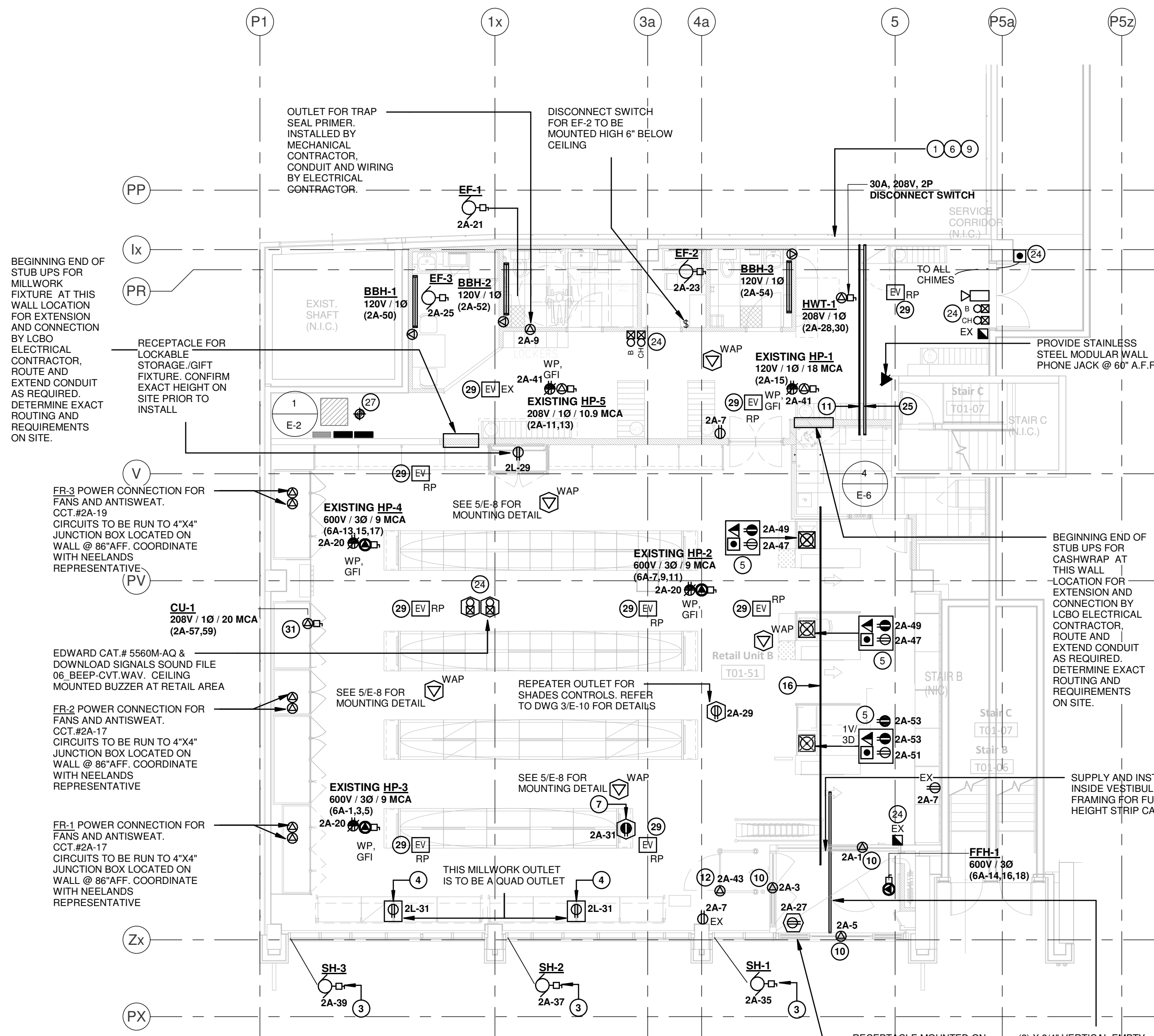


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Context Plan

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1 E-5 ELECTRICAL POWER LAYOUT

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

2 E-5 WAREHOUSE ELECTRICAL POWER LAYOUT

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

ELECTRICAL POWER GENERAL NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR LOCATION OF MILLWORK FEED POINT, OUTLETS, DIMENSIONS, MOUNTING HEIGHTS, LOCATION DEVICES AND CONSTRUCTION DETAILING UNLESS OTHERWISE NOTED.
2. ELECTRICAL CONTRACTOR TO PROPERLY LABEL ALL BREAKER PANELS, CLEARLY INDICATING ALL INFORMATION INCLUDING CIRCUIT NUMBER CORRESPONDING TO THE DRAWINGS, CIRCUITING SHOWN ON DRAWING IS DIAGRAMMATIC INTENTION TO SHOW GENERAL CIRCUIT ARRANGEMENT AND PANEL DESIGNATION. SHOW FINAL ARRANGEMENT ON AS-BUILT DRAWINGS.
3. BE RESPONSIBLE FOR ALL EXISTING ELECTRICAL DEVICES TO REMAIN, CONNECT TO EXISTING CIRCUIT OR REWORK AND CONNECT TO NEW CIRCUIT AS SHOWN.
4. PROVIDE 2#12 + GROUND IN A 3/4" CONDUIT FOR ALL CIRCUITS (15A/20A) UNLESS OTHERWISE SPECIFIED. CONDUCTORS TO BE OVSIZED TO SUIT VOLTAGE DROP AS PER SRRS SPECIFICATION/COMPLY THE ONTARIO ELECTRICAL SAFETY AUTHORITY CODE FOR CIRCUIT LENGTHS EXCEEDING 75 FEET.
5. ALL CONDUCTORS TO BE COPPER C/W RW90 INSULATION.
6. PROVIDE CONDUIT AND WIRING AS PER DETAIL ON DRAWINGS FOR POWER AND DATA DEVICES. EXACT LOCATION OF WALL MOUNTED OUTLETS TO BE COORDINATED ON SITE.
7. PROVIDE A SEPARATE GREEN INSULATED BONDING CONDUCTOR FROM ELECTRICAL MAIN GROUND TO COMMUNICATION BUS BAR. SEE DETAILS FOR 6E-7 AND 7E-7 FOR REQUIRED EQUIPMENT CONNECTION.
8. PROVIDE A SEPARATE NEUTRAL AND GROUNDING TO ALL COPIER/PRINTER AND UPS RECEPTACLES CIRCUITS. COORDINATE RECEPTACLES CONFIGURATION WITH THE COPIER SUPPLIER AND TENANT PRIOR TO ROUGH-IN.
9. PROVIDE CONDUIT AND WIRING TO ALL STEP DOWN TRANSFORMER (120/24V) FOR B.A.S. SYSTEM. CURRENT TRANSFORMER AND WATT TRANSDUCER SHALL BE SUPPLIED BY OTHERS, INSTALLED BY ELECTRICAL CONTRACTOR.

ELECTRICAL POWER KEYNOTES:

- 1 PROVIDE CONDUIT, POWER CONNECTION AND ROUGH IN TO ALL MECHANICAL EQUIPMENT AND ASSOCIATED CONTROL SYSTEMS. COORDINATE WITH MECHANICAL DRAWING FOR EXACT LOCATION OF MECHANICAL EQUIPMENT.
- 1 ("NOT USED") WINDOWS SHUTTER TO BE CONNECTED TO CIRCUIT AS SHOWN. CONDUIT WILL BE PROVIDED BY LANDLORD. WIRING AND FINAL CONNECTION TO SHUTTER AND DISCONNECT BY THE ELECTRICAL CONTRACTOR. EACH MOTOR SHALL BE OPERATED BY SINGLE ROCKER TYPE SECURITY SWITCH FOR SECURITY SHUTTER MANAGED IN MANAGER'S OFFICE. EACH SHUTTER TO HAVE A SERVICE PLATFORM RATE SWITCH AND A MANUAL CRANK.
- 3 WINDOWS SHADES TO BE CONNECTED TO CIRCUIT AS SHOWN. CONDUIT WILL BE PROVIDED BY LANDLORD. WIRING AND FINAL CONNECTION TO SHADE AND DISCONNECT BY THE ELECTRICAL CONTRACTOR. ALL SHADE MOTORS SHALL BE OPERATED BY A SINGLE SONY WIRELESS TYPE SWITCH (MAX. TOTAL OF 3 SHADE MOTORS PER SWITCH) MANAGED IN MANAGER'S OFFICE.
- 4 CONTRACTOR TO PULL POWER WIRING AND IS TO PROVIDE AND INSTALL MILL WORK RECEPTACLES. CONTRACTOR TO FEED POWER WIRING THROUGH EXISTING STUBBED UP CONDUIT INSTALLED BY LANDLORD ACCORDINGLY. JUNCTION BOX TO THE U/S OF ROOF DECK/CEILING FOR STUBBED UP RECEPTACLE TO BE INSTALLED BY LCBO ELECTRICAL CONTRACTOR. LCBO ELECTRICAL CONTRACTOR TO CONNECT TO POWER PANEL 2A' AND CIRCUIT AS SHOWN. VERIFY ON SITE FOR THE SOURCE PANEL CONNECTION AND ROUTE TO PANEL 2A' AS REQUIRED. EXTEND CONDUIT AND WIRING TO SUIT. COORDINATE EXACT LOCATION OF FLOOR STUB UPS AND EXACT ROUTING OF POWER FEEDER ON SITE. REFER TO DWGS 2E-6 AND 3E-6 FOR DETAILS.
- 5 CONTRACTOR TO PULL POWER WIRING AND IS TO PROVIDE AND POWER AND COMMUNICATION OUTLETS FOR CASH WRAP/CONSULTANTS DESK. CONTRACTOR TO FEED POWER WIRING THROUGH EXISTING STUBBED UP CONDUIT INSTALLED BY LANDLORD ACCORDINGLY. JUNCTION BOX TO THE U/S OF ROOF DECK/CEILING FOR STUBBED UP RECEPTACLE TO BE INSTALLED BY LCBO ELECTRICAL CONTRACTOR. LCBO ELECTRICAL CONTRACTOR TO CONNECT TO POWER PANEL 2A' AND CIRCUIT AS SHOWN. VERIFY ON SITE FOR THE SOURCE PANEL CONNECTION AND ROUTE TO PANEL 2A' AS REQUIRED. EXTEND CONDUIT AND WIRING TO SUIT. COORDINATE EXACT LOCATION OF FLOOR STUB UPS AND EXACT ROUTING OF POWER FEEDER ON SITE. REFER TO DWGS 1E-5 AND 2E-5 FOR DETAILS.

- 6 PROVIDE IN CONTRACT PRICE FOR TOTAL OF FOUR (4) FIRE SPEAKER RELOCATION AND (1) PULLSTATION WITH 100' OF CONDUIT AND WIRING FOR EACH DEVICE AS REQUIRED TO SUIT FIRE ALARM TIE-IN CONNECTION TO SUIT LCBO SPACE AND TO SUIT INSPECTOR'S ADDED REQUIREMENTS. PROVIDE CREDIT AT THE END OF PROJECT IF SPARE DEVICES ARE NOT INSTALLED/REQUIRED.
- 7 PROVIDE ISOLATED GROUND (I.G.) RECEPTACLE FOR SECURITY MONITOR AS PER ARCHITECTURAL DETAIL. SEE ARCHITECTURAL DETAIL FOR EXACT LOCATION AND MOUNTING HEIGHT. INSTALL THE BX CABLES THROUGH THE TELEHOOK NPT PIPE. INSTALL THE RECEPTACLES AFTER THE TV MOUNTING HARDWARE INSTALLATION. PROVIDE 1" EMPTY CONDUIT AND EXTEND ASSOCIATED 1" CONDUIT TO MANAGERS OFFICE AREA C/W PULL STRING. SEE DETAIL 6E-8.
- 8 PROVIDE EMERGENCY SECURITY CALL SYSTEM FOR ASSISTANCE EQUIPMENT C/W DOOR CONTROL, DOOR PUSH BUTTONS, LOCK BUTTONS, FLASHING STROBE LIGHT, TRANSFORMER AND A CALL BUTTON TO COMPLY THE NEW AODA CODE AND TO SUIT INSPECTOR'S ADDED REQUIREMENTS. PROVIDE CREDIT AT THE END OF PROJECT IF SPARE DEVICES ARE NOT INSTALLED/REQUIRED.
- 9 ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF SENSORS FOR UNIT HEATERS, HEAT PUMPS, FORCED FLOW HEATERS WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO COMMENCE THE INSTALLATION. SENSORS FOR MECHANICAL EQUIPMENTS SUPPLIED, INSTALLED AND WIRED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE (EMT) CONDUIT FROM THERMOSTAT TO MECHANICAL EQUIPMENT AND BOX FOR SENSOR FOR CONTROL WIRING. COORDINATE WITH MECHANICAL CONTRACTOR (TYPICAL).
- 10 EXISTING OUTLET FOR DOOR OPERATOR COMPLETE WITH CONDUIT AND WIRING. VERIFY THE CONNECTION TO DOOR OPERATOR DEVICE ON SITE.
- 11 ELECTRICAL CONTRACTOR TO PROVIDE 1" EMPTY CONDUIT FROM OFFICE CEILING TO TELEPHONE BACKBOARD DEMARK (MAINFRAME).
- 12 PROVIDE POWER AND FIRE ALARM CONNECTION IN EXISTING CONDUIT PROVIDED BY LANDLORD TO THE SECURITY GATE AS SHOWN. MANUAL PULL STATION SHALL BE CONNECTED TO THE FIRE ALARM ZONE SUCH THAT UPON ACTIVATION OF FIRE ALARM, SECURITY GATE CONTROL SYSTEM SHALL BE DEACTIVATED. POWER SHALL BE FED TO THE SECURITY GATE FROM FLOOR FEED VIA THE NEAREST WALL UP TO MERCHANDIZE STORAGE LEVEL PANEL LOCATION AS REQUIRED. PROVIDE SUFFICIENT SLACK OF CABLES FOR FUTURE SECURITY GATE CONNECTION. ROUTING OF CONDUIT FOR POWER SHALL BE COORDINATED ON SITE. COORDINATE WITH GENERAL CONTRACTOR FOR EXACT LOCATION FOR THE TERMINATION OF CONDUIT. CONDUIT SHALL BE FLUSH WITH THE FLOOR AND TO BE PLACED UNDER THE SECURITY GATE LEG SUCH THAT NO CONDUIT AND WIRING ARE VISIBLE. CONNECT TO EXISTING FIRE ALARM SYSTEM FOR FIRE ALARM CONNECTION.
- 13 BARRIER FREE DOOR OPERATOR (INSIDE OF THE WASHROOM) BUTTON & ALL SECURITY SYSTEM DEVICES DIMENSIONS AND MOUNTING HEIGHTS SHALL BE COORDINATED WITH ARCHITECTURAL DRAWING.
- 14 ("NOT USED") CEILING FAN SPEED CONTROLLER SHALL BE SUPPLIED THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. 1/2" CONDUIT FOR ALL SPEED CONTROLLER SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR (TYPICAL).
- 15 STAFF AREA EXHAUST FAN SHALL BE WIRED THRU 15 MINUTES TIMER SWITCH SUPPLIED BY MECHANICAL CONTRACTOR, CONDUIT, WIRING AND INSTALLATION BY ELECTRICAL CONTRACTOR. LOCATION MUST BE APPROVED BY LCBO COORDINATOR ON SITE. PROVIDE A DOUBLE GANG BOX FOR TIMER AND OCCUPANCY SENSOR.
- 16 PROVIDE 3/4" CONDUIT COMPLETE WITH PULL STRING FROM OFFICE CEILING TO VESTIBULE AREA AS SHOWN. ALL CONDUITS SHOULD BE LABELED FOR LCBO AUDIO USE ONLY.
- 17 MOTORIZED SUN SHADE SENSOR SHALL BE PLACED ON THE WINDOW SUCH THAT SENSOR SHALL NOT BE BLOCKED BY ANY OBJECT THAT CAN CREATES A SHADOW ON SENSOR IN ORDER TO DETECT THE SUN RAY DIRECTLY.
- 18 COORDINATE WITH THE ARCHITECTURAL DRAWING FOR ALL DIMENSION AND MOUNTING HEIGHTS FOR BARRIER FREE PUSH BUTTONS & LOCK BUTTONS AND SECURITY CALL ASSISTANCE SYSTEM DEVICES.
- 19 ("NOT USED") PROVIDE A 120V RECEPTACLE AT CUSTOMER SERVICE DESK FOR THE LOW VOLTAGE PUSH BUTTON TRANSFORMER (120/12V) AT CUSTOMER DESK SUCH THAT ELECTRIC STRIKE SHALL RELEASE THE SWING GATE ARM ONCE THE PUSH BUTTON IS ACTIVATED. LOCATION OF PUSH BUTTON AND ASSOCIATED RECEPTACLE SHALL BE COORDINATED ON SITE WITH THE MILL WORK INSTALLATION. LOW VOLTAGE PUSH BUTTON SHALL BE SUPPLIED BY SWING GATE SUPPLIER.

- 20 ("NOT USED") PROVIDE A 120V POWER CONNECTION FOR THE SWING ARM SECURITY LOCK COMPLETE WITH CONDUIT AND WIRING. VERIFY THE SECURITY LOCK VOLTAGE PRIOR TO CONNECT AND ADJUST ALL COMPONENTS TO SUIT. SECURITY LOCK SHALL BE SUPPLIED AND INSTALLED TO THE SWING ARM BY SWING GATE SUPPLIER.
- 21 ("NOT USED") PROVIDE 1-2" CONDUIT FROM NVR LOCATION TO COLD ROOM AREA FOR FUTURE SECURITY WIRING. ROUTING OF CONDUIT SHALL BE COORDINATED ON SITE. CO-ORDINATE WITH SECURITY CONTRACTOR FOR FINAL DEMARKATION POINT PRIOR TO TERMINATE.
- 22 SMOKE DETECTOR SHALL BE SURFACE MOUNTED ON JANITOR ROOM CEILING IN ORDER TO MAINTAIN THE FIRE RATING OF CEILING. PENETRATION THROUGH FIRE RATED CEILINGS SHALL BE SEALED AND PACKED WITH APPROVED MATERIAL TO MAINTAIN EXISTING/FUTURE FIRE RATING.
- 23 ("NOT USED") RUN ONE 2" CONDUIT FROM THE END OF WALKER DUCT FOR CASH DESK DATA CABLES UP TO COMMUNICATION CABINET AND RUN ONE 2" CONDUIT FROM COMMUNICATION CABINET UP TO OFFICE FOR ALL DATA CABLES. REFER COMMUNICATION CONDUIT DETAIL ON DWG. E-7.
- 24 CHIME BUZZER SYSTEM TO BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. ALL CONDUIT, WIRING AND CONNECTION OF DEVICES TO BE BY THE ELECTRICAL CONTRACTOR. REFER TO DETAIL 4E-10 AND SPEC SECTIONS 28.13.28 (PARTS 2.03 AND 3.03)
- 25 RUN 2" CONDUIT FROM COMMUNICATION CABINET UP TO OFFICE FOR ALL DATA CABLES. SEE COMMUNICATION CONDUIT DETAIL ON DWG. E-7.
- 26 STROBE LIGHTS AND FIRE ALARM HORNS SHALL BE CONNECTED TO EXISTING FIRE ALARM ZONE AS REQUIRED. SUBMIT REPORT AND VERIFICATION CERTIFICATE TO ENGINEER FOR REVIEW. REFER TO SRRS FOR MORE DETAILS. ALL FIRE ALARM SCOPE OF WORK SHALL BE PERFORMED BY BASE BUILDING AUTHORIZED/FIRE ALARM CONTRACTOR (SIMPLEX). FOR BY PASSING THE F/A SYSTEM, CONTACT "SIMPLEX", ATTN: TBD - @ () @ * ALL COSTS SHALL BE CARRIED BY THE ELECTRICAL CONTRACTOR AND INCLUDED IN THIS CONTRACT.
- 27 PROVIDE A FIRE ALARM SMOKE DETECTOR. PROVIDE CONDUIT AND WIRING TO CONNECT FROM LANDLORD EXISTING FIRE ALARM PANEL. VERIFY THE LOCATION OF FIRE ALARM PANEL PRIOR TO BID AND COMMENCE THE WORK. ROUTING OF CONDUIT AND WIRING SHALL BE COORDINATED ON SITE.
- 28 PROVIDE A FIRE ALARM STROBE TO COMPLY THE NEW AODA CODE. PROVIDE CONDUIT AND WIRING TO CONNECT FROM LANDLORD EXISTING FIRE ALARM PANEL. VERIFY THE LOCATION OF FIRE ALARM PANEL PRIOR TO BID AND COMMENCE THE WORK. ROUTING OF CONDUIT AND WIRING SHALL BE COORDINATED ON SITE.
- 29 a. ALL NEW AND RELOCATED FIRE ALARM HORNS/STROBE SHALL BE CONNECTED TO EXISTING FIRE ALARM SIGNALING CIRCUIT SERVING AREA. IF EXISTING FIRE ALARM SIGNALING CIRCUIT UTILIZES AN "A/B" SIGNALING TOPOLOGY, ADJACENT FIRE ALARM SIGNALING DEVICES SHALL BE ON ALTERNATE CIRCUITS.
- b. ELECTRICAL CONTRACTOR SHALL HIRE THE BASE BUILDING AUTHORIZED/CERTIFIED FIRE ALARM CONTRACTOR TO PERFORM FINAL CONNECTION, TESTING AND VERIFICATION OF ALL EXISTING, RELOCATED AND NEW FIRE ALARM DEVICES. INSPECTION AND TESTING OF ALL FIRE ALARM DEVICES SHALL BE TO CANULC-S526.
- c. SUBMIT FIRE ALARM VERIFICATION REPORT CONFORMING TO CANULC-S537 TO CONSULTANT FOR REVIEW. FIRE ALARM CONTRACTOR TO ENSURE THAT ALL AREA SHALL HAVE A MINIMAL SOUND PRESSURE LEVEL OF 10 dBA ABOVE THE AMBIENT NOISE LEVEL BUT NEVER LESS THAN 65 dBA AT ANY POINT WITHIN THE SCOPE OF AREA. AT NO TIME SOUND PRESSURE LEVEL SHALL EXCEED 100 dBA TO COMPLY THE CODE. REFER TO SRRS FOR MORE DETAILS. AUDIBILITY REPORT SHALL HAVE 15 SEPARATE READINGS IN VARIOUS LOCATIONS THROUGHOUT FLOOR AREA INDICATING SOUND PRESSURE PRODUCED BY FIRE ALARM SIGNALING DEVICES. ALL READINGS SHALL BE TAKEN WITH DOORS OPEN WITHIN THE SUITE.
- d. ADDITION, RELOCATION, VERIFICATION AND TESTING OF THE LIFE SAFETY COMPONENTS TO BE COMPLETED BY THE LANDLORD'S FIRE ALARM CONTRACTOR AT THE TENANT'S EXPENSE. INCLUDE COST IN THE CONTRACT.
- e. ALL FIRE ALARM SYSTEMS TO BE INSPECTED AND VERIFIED ON SITE BY THE LANDLORD'S CERTIFIED FIRE ALARM CONTRACTOR AND SIGNED OFF BY THE PARTIES HAVING JURISDICTION. INCLUDE ALL ASSOCIATED COSTS IN THE BID.
- 30 PROVIDE CONDUIT AND WIRING FOR VACU-LIFT. COORDINATE EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS ON SITE WITH VACU-LIFT SUPPLIER/REPRESENTATIVE PRIOR TO INSTALL.
- 31 CONDENSER UNIT LOCATED AT 8'-4" AFF IN P1 PARKING LEVEL. CONFIRM EXACT LOCATION ON SITE. CONTRACTOR TO PROVIDE (1) 14AWG 2 WIRE RUN BETWEEN CONDENSING UNIT AND ASSOCIATED FRIDGES CORRESPONDING TO THIS CONDENSING UNITS SYSTEM FOR CONTROLS PURPOSES. COORDINATE EXACT REQUIREMENTS ON SITE WITH NEELANDS REPRESENTATIVE PRIOR TO INSTALL.
- 32 ("NOT USED") CONTRACTOR TO PROVIDE STUB UP CONNECTION C/W WITH LIQUID TIGHT BX CABLING TERMINATED TO SINGLE GANG RECEPTACLE BOX. RECEPTACLE BOX TO BE MOUNTED IN FOOT OF MILLWORK FIXTURE. CONTRACTOR TO PULL POWER WIRING AND CIRCUIT AS SHOW. REFER DRAWING FOR FURTHER DETAILS 3E-11. COORDINATE EXACT LOCATION OF STUB UP AND EXACT ROUTING OF POWER FEEDER ON SITE. CIRCUIT AS SHOWN.

4	2021/02/08	Issued for Permit & Tender	MP
5	2021/01/25	80% Drawing Review	MP
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1	2020/12/22	30% Drawing Review	MP

Rev.	Date	Description	Initial
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Issued for Permit & Tender

Issue Date:	2021/02/08
Project No.:	171-02500-E2
Scale:	1/8" = 1'-0"
Drawn By:	MP
Checked By:	MP

LCBO Store No. 668
TORONTO, ON
Interior Fit-up

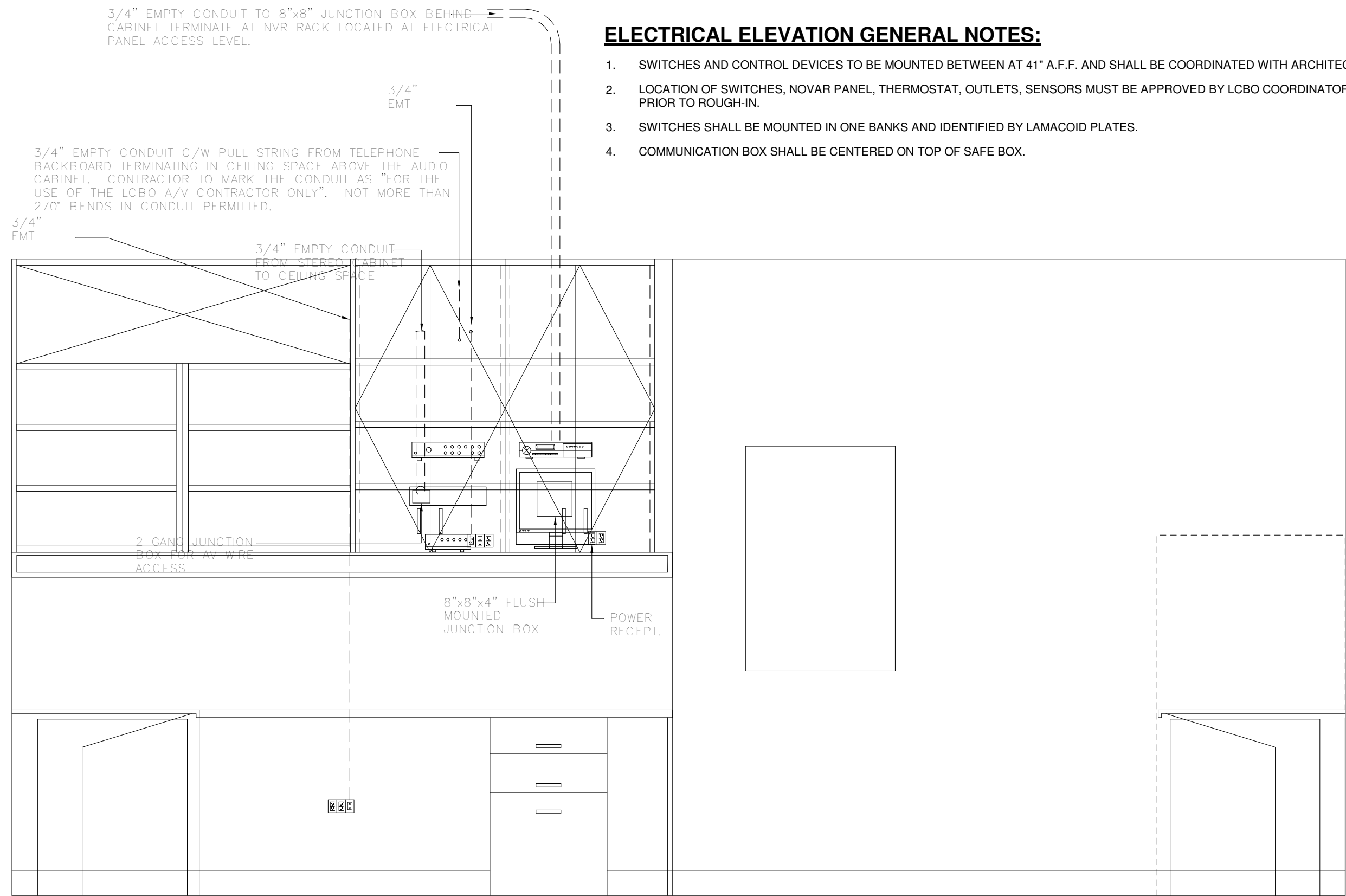
ELECTRICAL POWER LAYOUT

Drawing Title

E-5

R4

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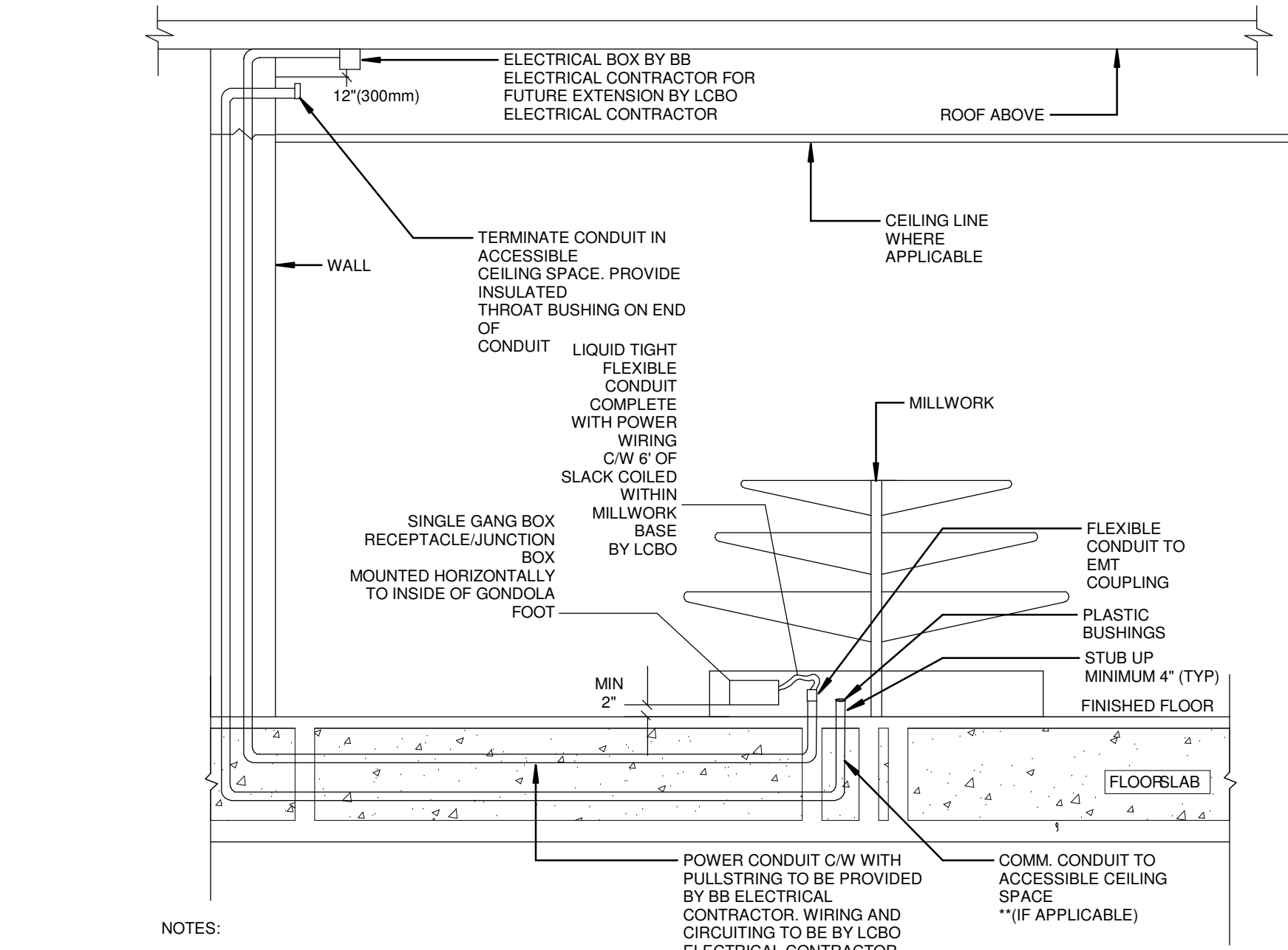


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A

1 ELECTRICAL ELEVATIONS

SCALE: N.T.S

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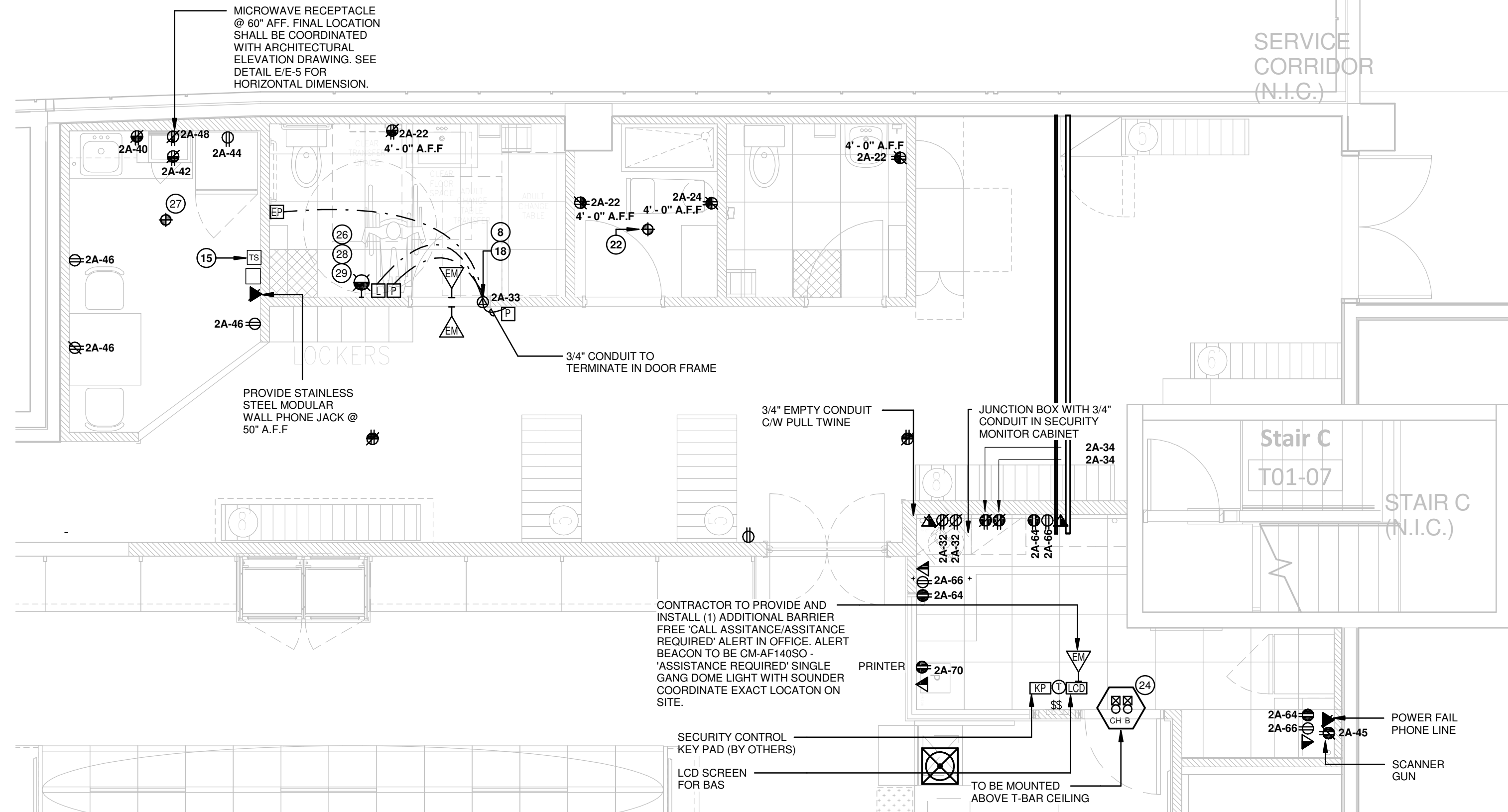
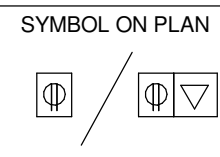
NOTES:

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) **

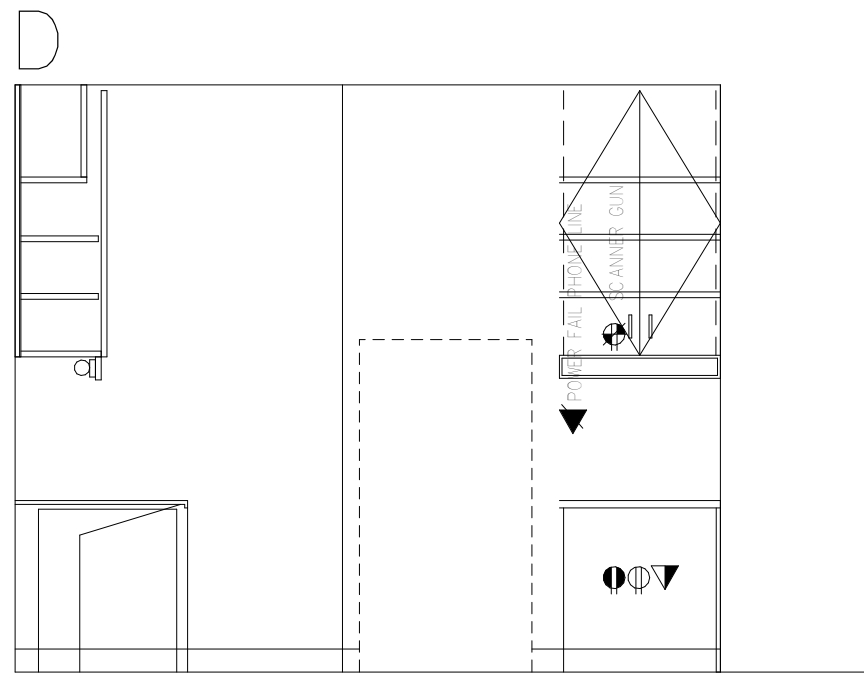


4 OFFICE, STAFF ROOM, B/F WASHROOM & JANITOR ROOM POWER LAYOUT

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

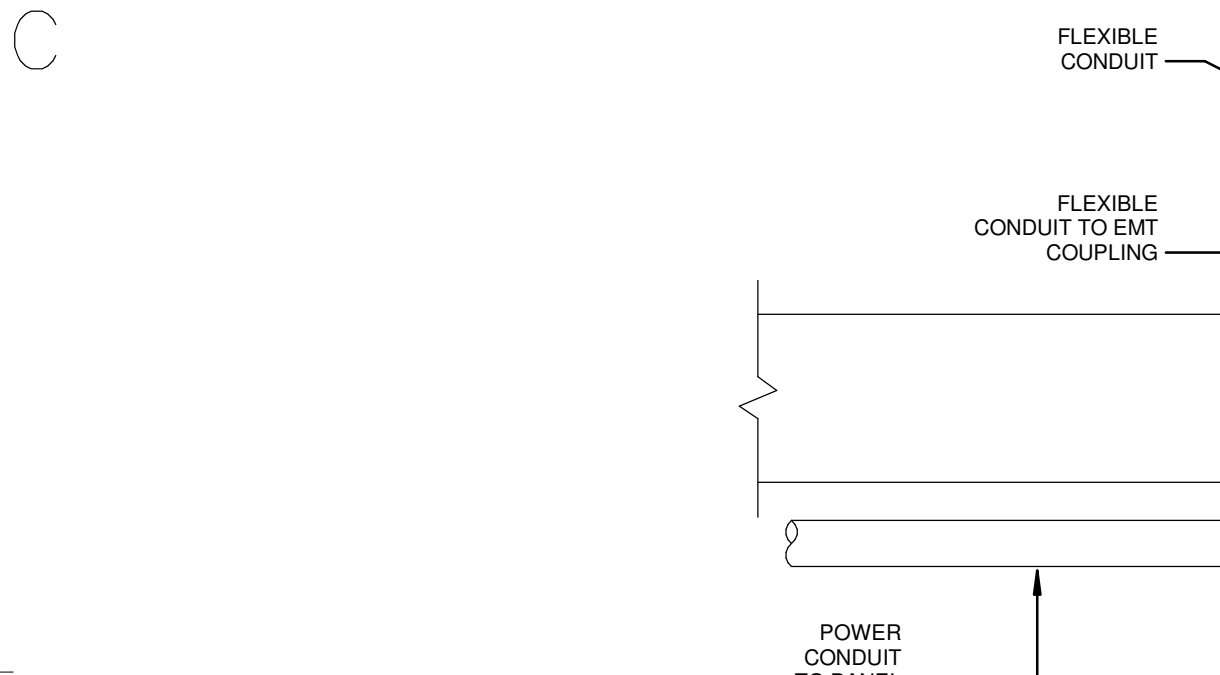
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E-6

Elevation:
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Elevation:
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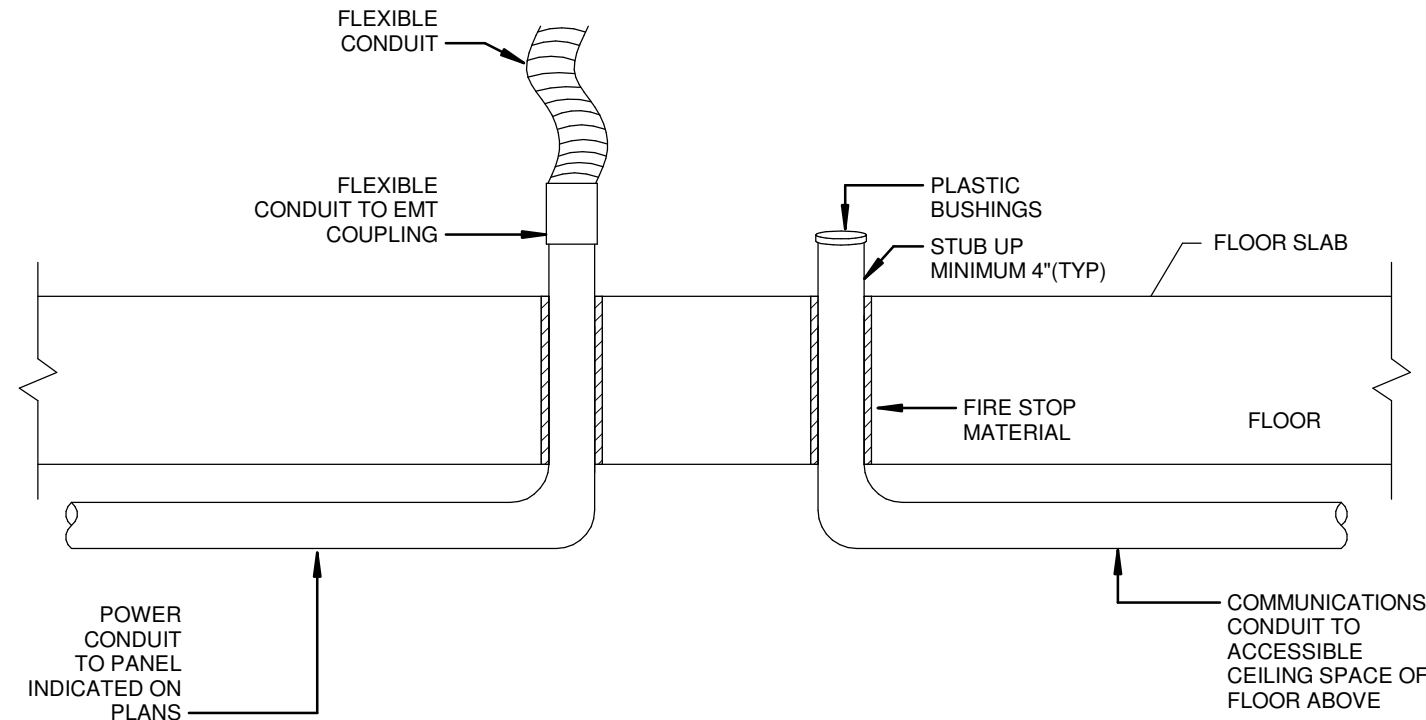
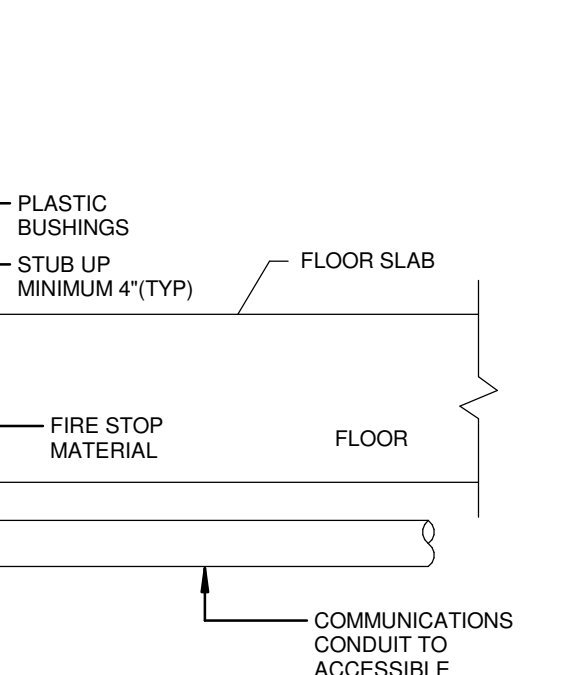
Elevation:
C



- OCCUPANCY SENSOR FOR OFFICE & VALENCE LIGHTING
- SWITCH FOR OPEN SIGN
- COMFY SHADE SWITCH (JUNCTION BOX ONLY NO CONDUIT), ONE FOR SOUTH WALL

ARRANGE DEVICES TO SUIT WALL SPACE AND TO AVOID DOOR KNOB. NO DEVICE SHALL BE HIGHER THAN 43" AFF. COORDINATE EXACT LOCATIONS ON SITE. ENSURE MOUNTING HEIGHTS ARE TO CODE.

Elevation:
Kitchen



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 MILLWORK 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.

3 MILLWORK STUB UP DETAILS 2

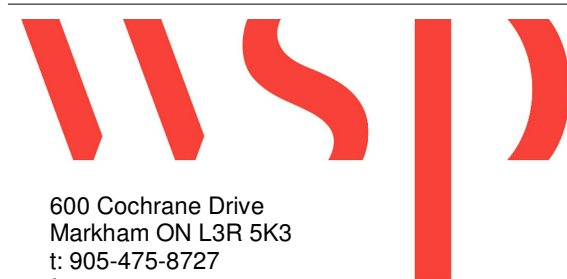
SCALE: N.T.S

3
E-6



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Context Plan

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Issued for:

2021/02/08

Issue Date:

Project No.	Scale	As indicated	MP	MP
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LCBO Store No. 668
TORONTO, ON
Interior Fit-up

Project:

DETAILS

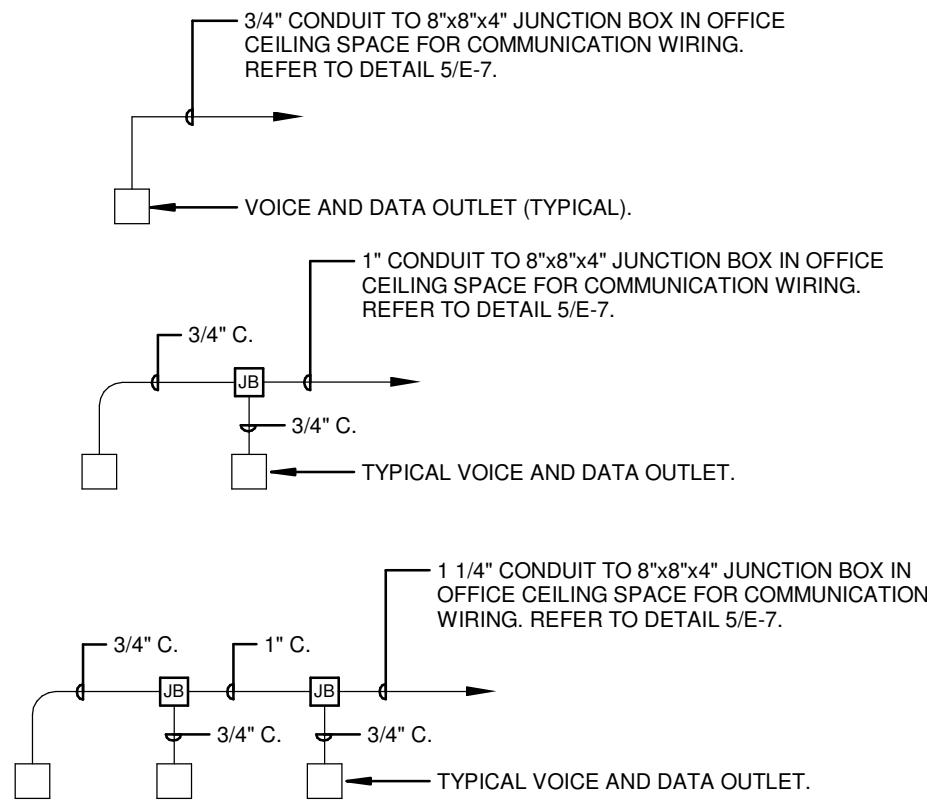
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E-6

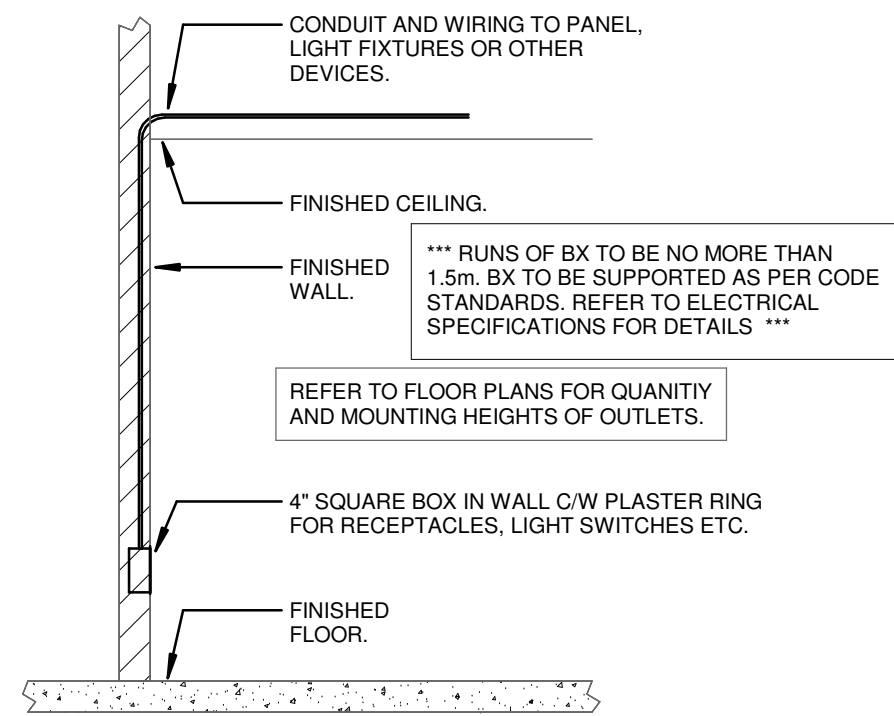
R4

Sheet No.:

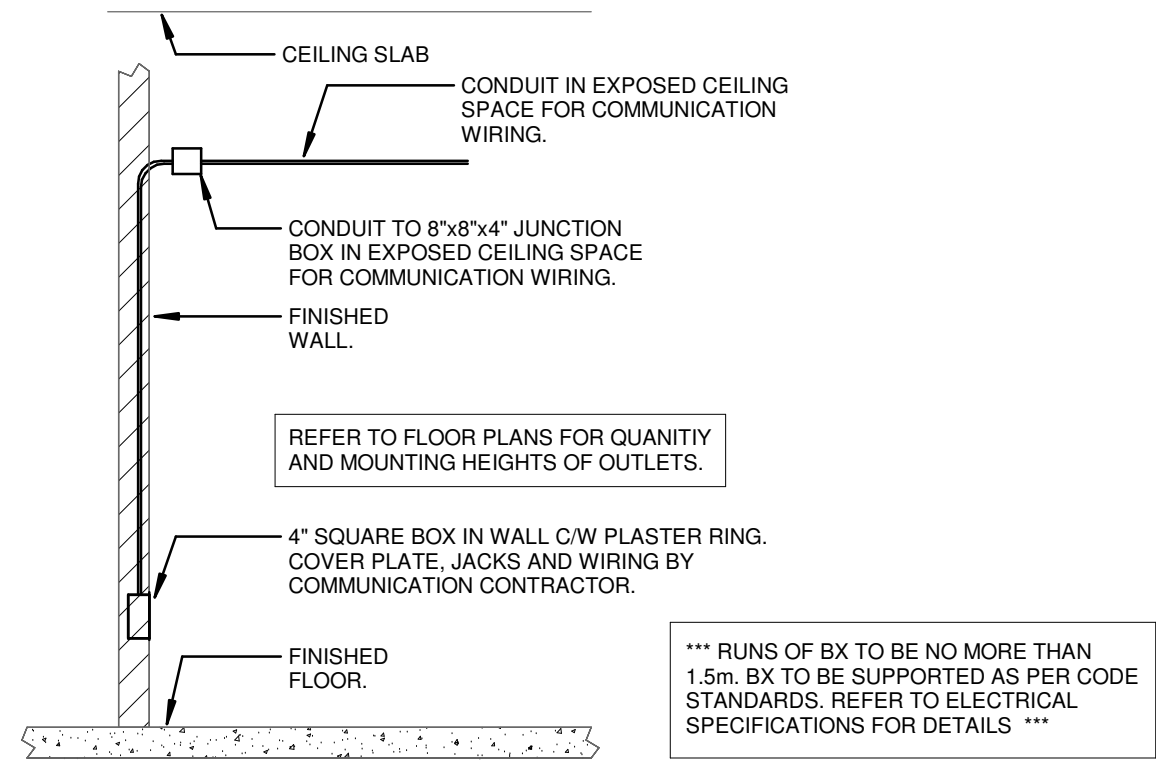
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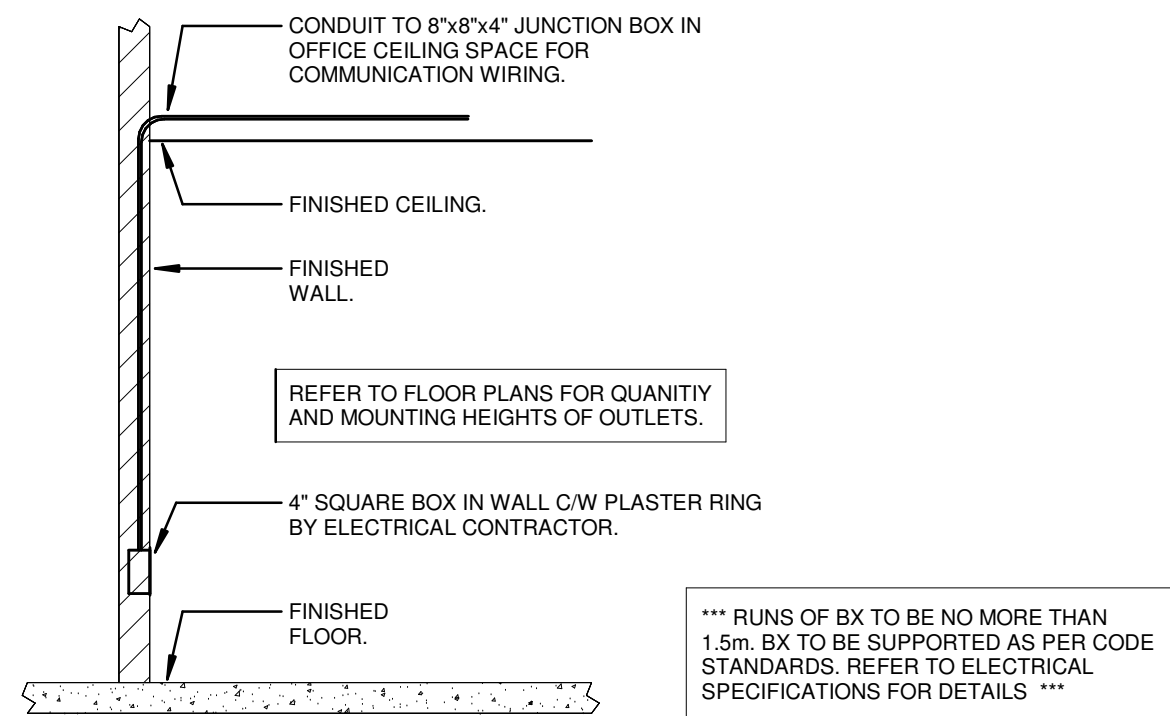
1
Typical Voice and Data Outlet Conduit Installation
SCALE: N.T.S



2
Typical Receptacle Etc. Outlet Installation
SCALE: N.T.S

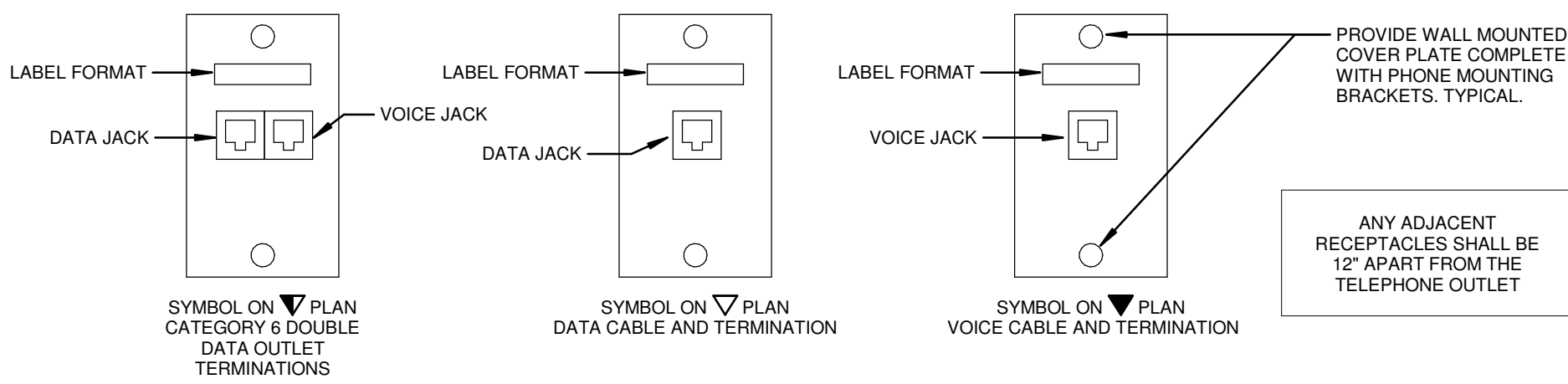


3
Typical Voice and Data Outlet Installation for Open Ceiling Space
SCALE: N.T.S

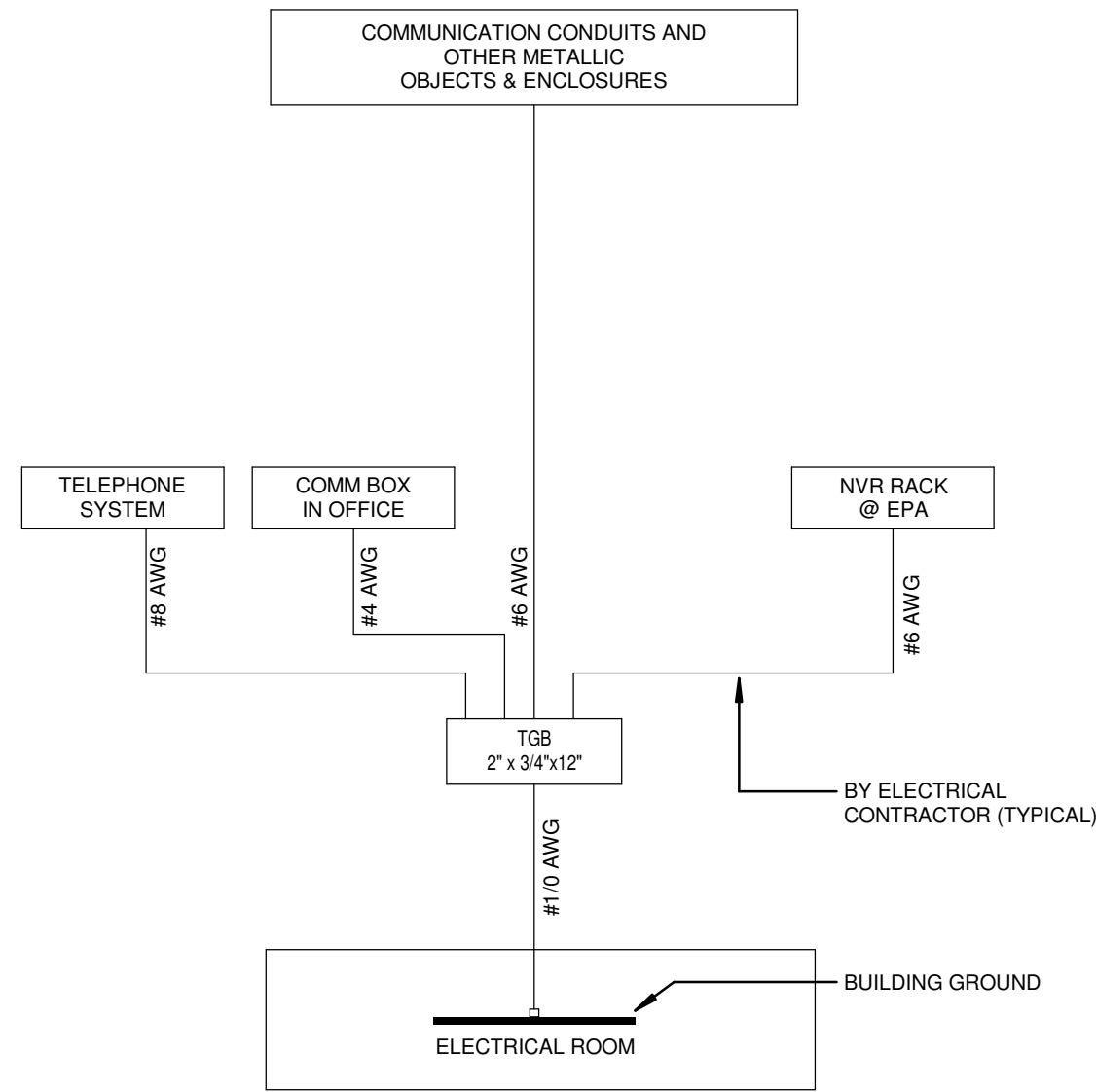


4
Typical Voice and Data Outlet Installation
SCALE: N.T.S

- 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 ARE TO BE WHITE IN COLOUR

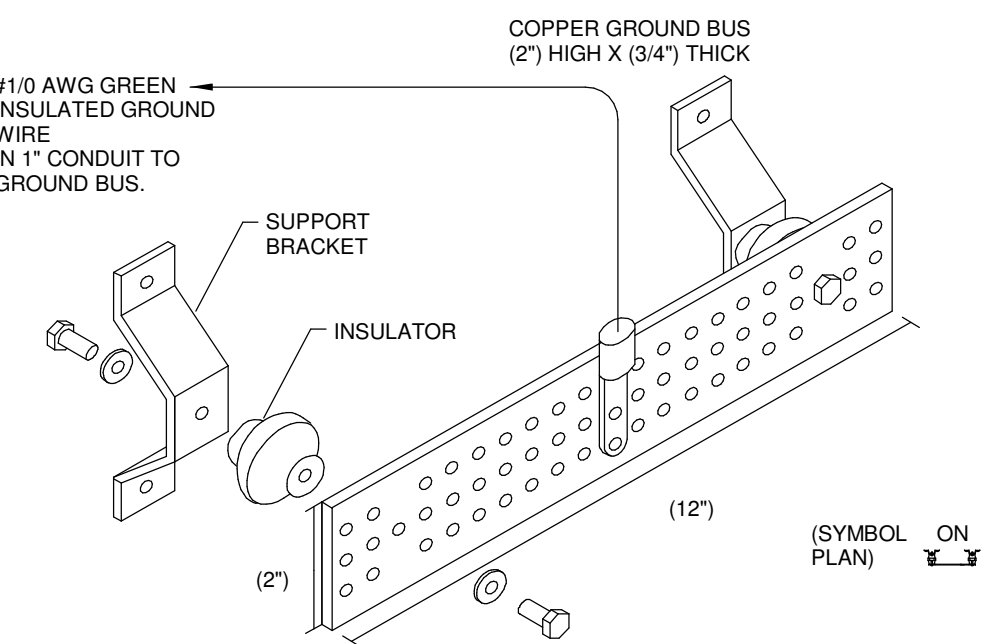


5
Typical Detail of Communication Outlets
SCALE: 1 : 100



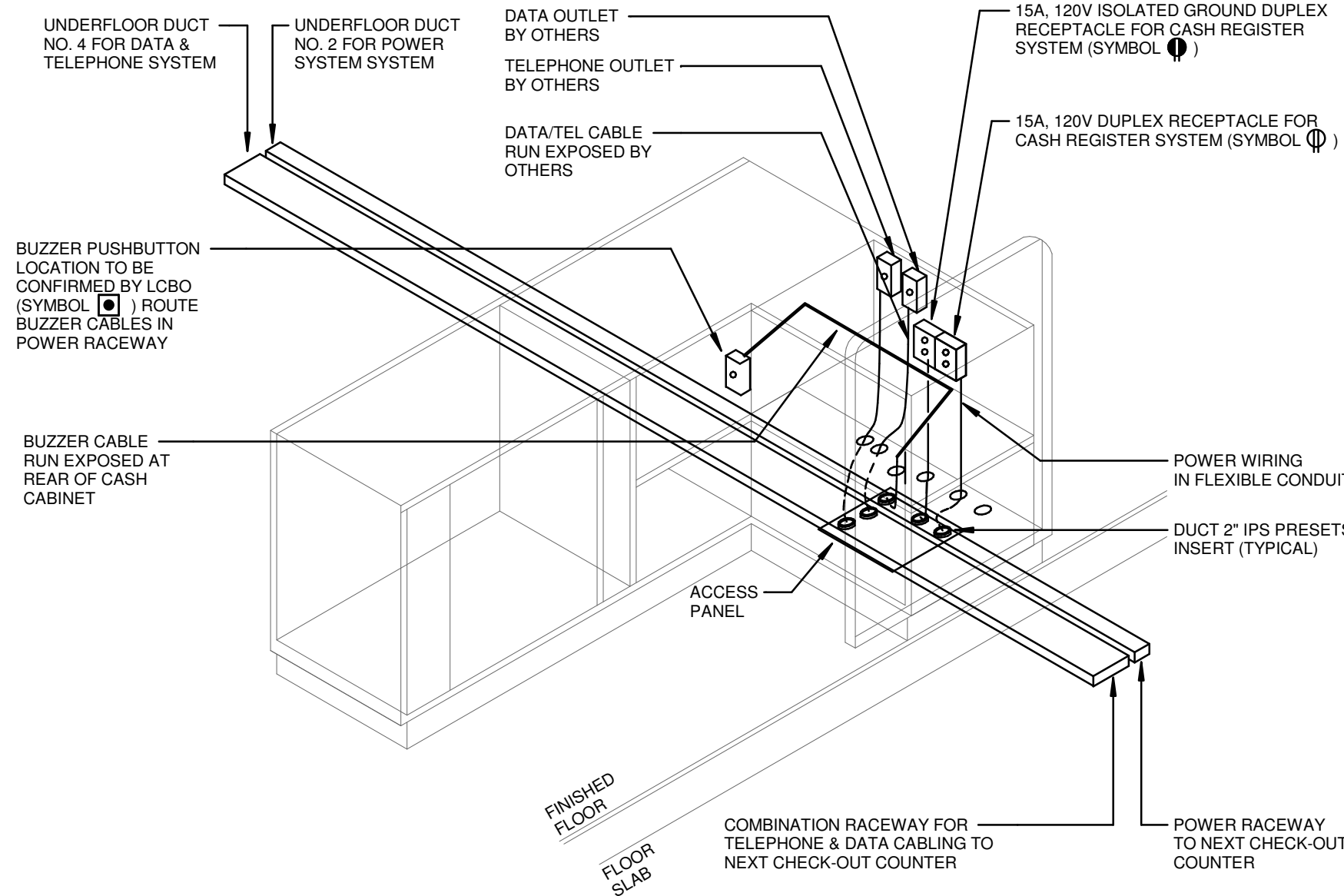
- NOTES:**
- ALL GROUND WIRING SHALL BE GREEN INSULATED.
 - ALL BRANCH GROUNDING FOR COMMUNICATION EQUIPMENT SHALL BE PERFORMED BY ELECTRICAL CONTRACTOR.

6
Communication Equipment Typical Grounding Schematic
SCALE: 1 : 100



- NOTES:**
- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL GROUND BUS AT ELECTRICAL DISTRIBUTION AREA PLATFORM. INSTALL 2-HOLE COMPRESSION LUGS 'BURNDY/HYLUG' TYPE YALZT FOR GROUND CONDUCTORS C/W DURIUM BOLTS, NUTS AND WASHERS.
 - THE ELECTRICAL CONTRACTOR SHALL PROVIDE A GROUND CONNECTION BETWEEN THE MAIN BUILDING SERVICE GROUNDING ELECTRODE AND THE COMMUNICATION GROUNDING BUS BARS.
 - 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.
 - GROUND BUS BAR SHALL BE INSTALLED AT THE TOP OF THE BACKBOARD OR 4\"/>
 - 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.

7
Grounding Bus Bar Detail
SCALE: 1 : 100



- NOTES:**
- VERIFY EXACT LOCATION OF CHECK-OUT COUNTERS AND CUSTOMER SERVICE DESK'S. ACCESS PANEL PRIOR TO SAW-OUT 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.
 - 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. COORDINATE AND VERIFY WITH BASE BUILDING DRAWING FOR CONDUIT RUNS THAT WERE INSTALLED BY BASE-BUILDING CONTRACTOR.

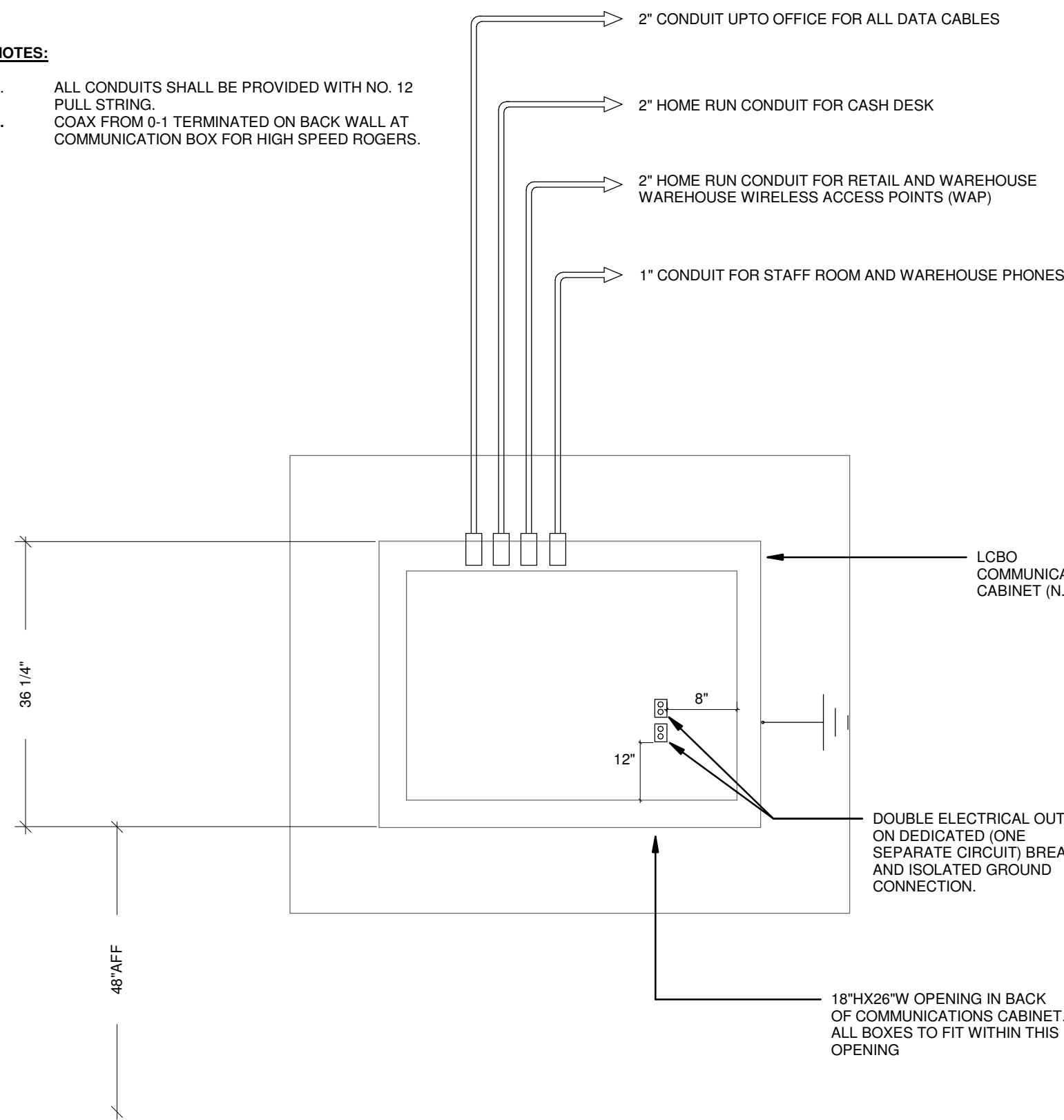
SYMBOL ON DRAWINGS

2A-XX1 CIRCuits AS NOTED

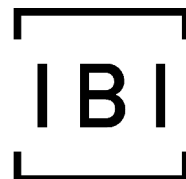
2A-XX2

8
Check-out Counter (Typical)
SCALE: 1 : 100

- NOTES:**
- ALL CONDUITS SHALL BE PROVIDED WITH NO. 12 PULL STRING.
 - PULL STRING COAX FROM 0-1 TERMINATED ON BACK WALL AT COMMUNICATION BOX FOR HIGH SPEED ROGERS.



9
Communication Cabinet Conduit Detail
SCALE: 1 : 100



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LCBO Store No. 668
TORONTO, ON
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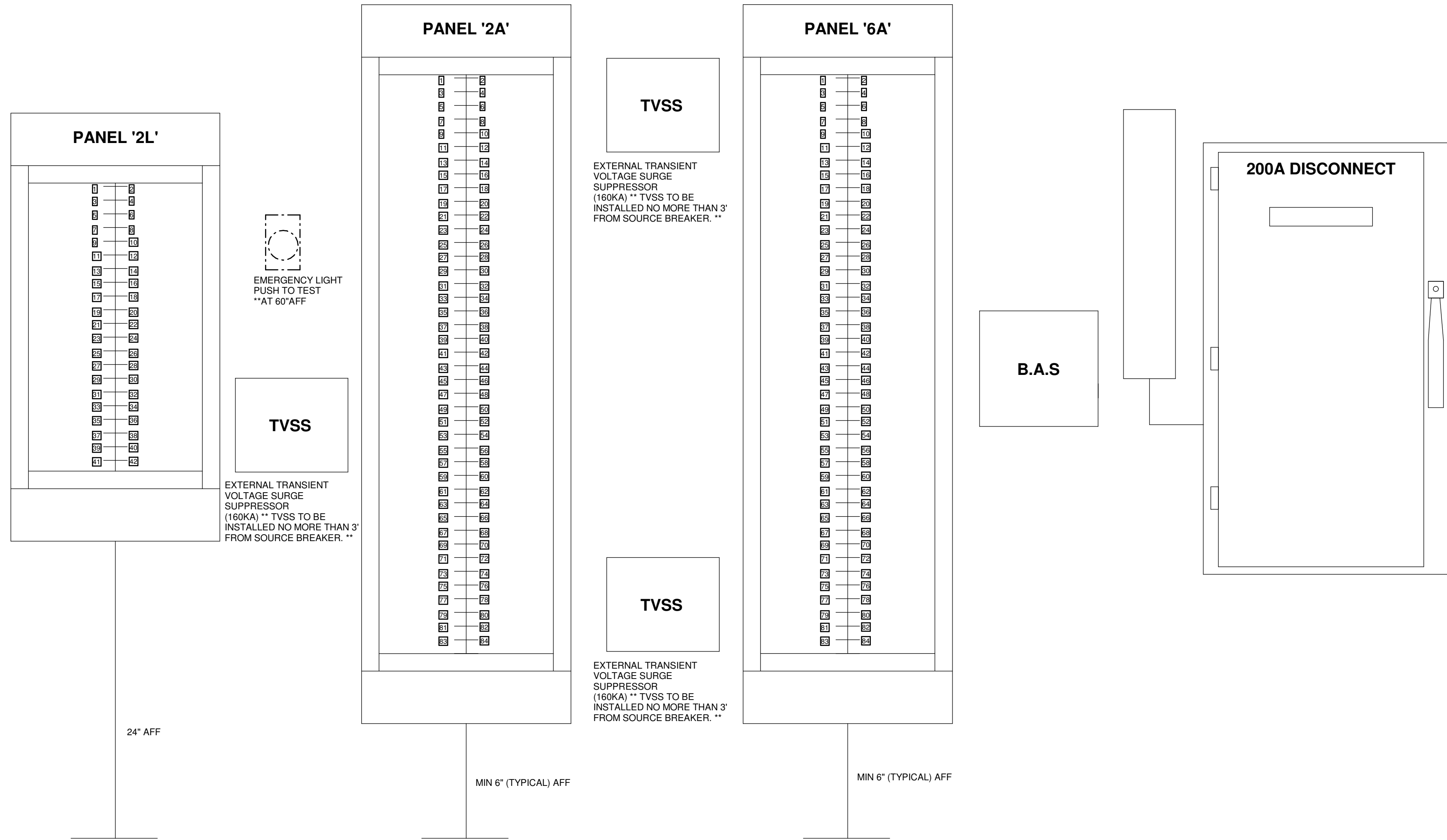
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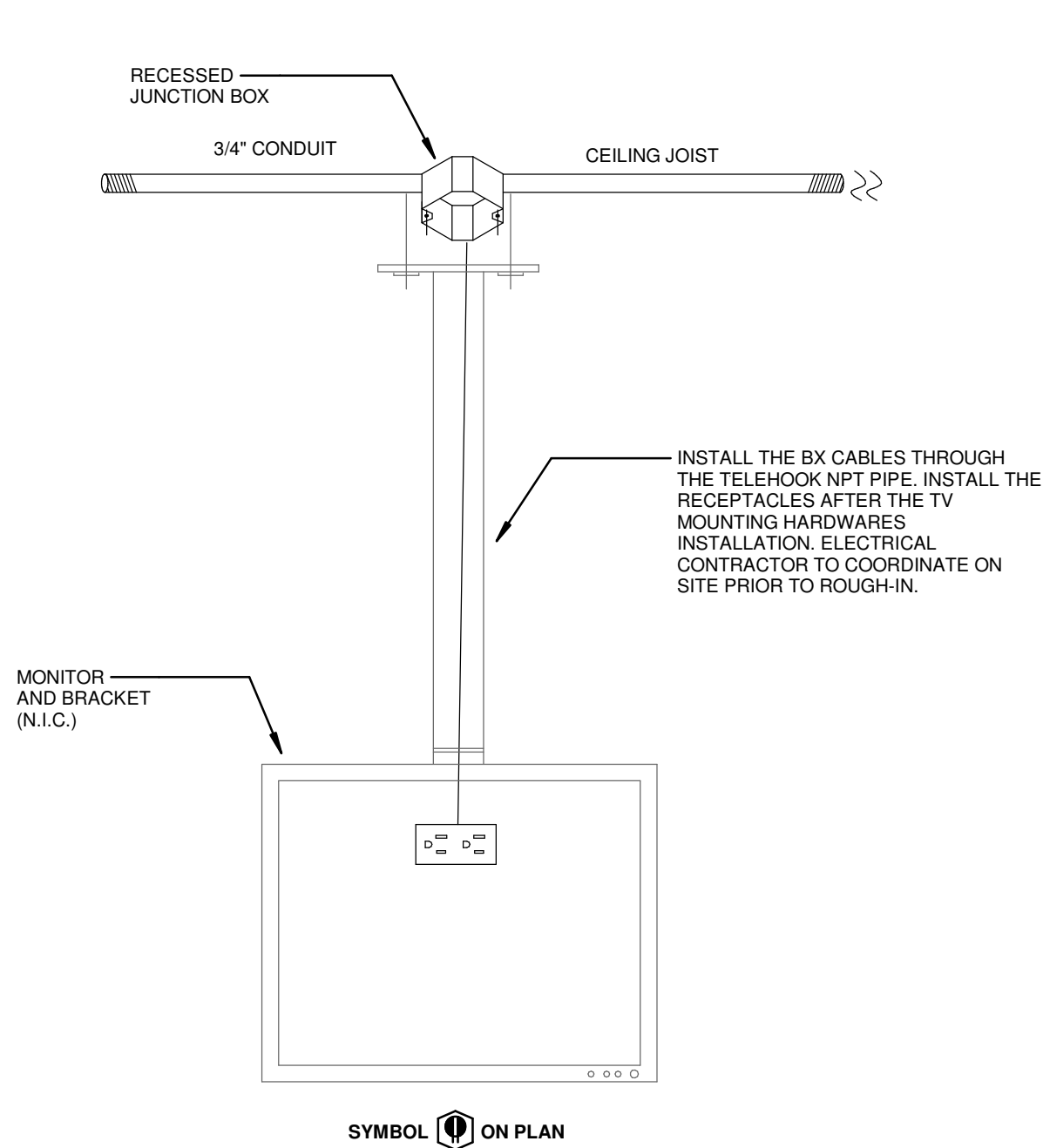
E-7

R4

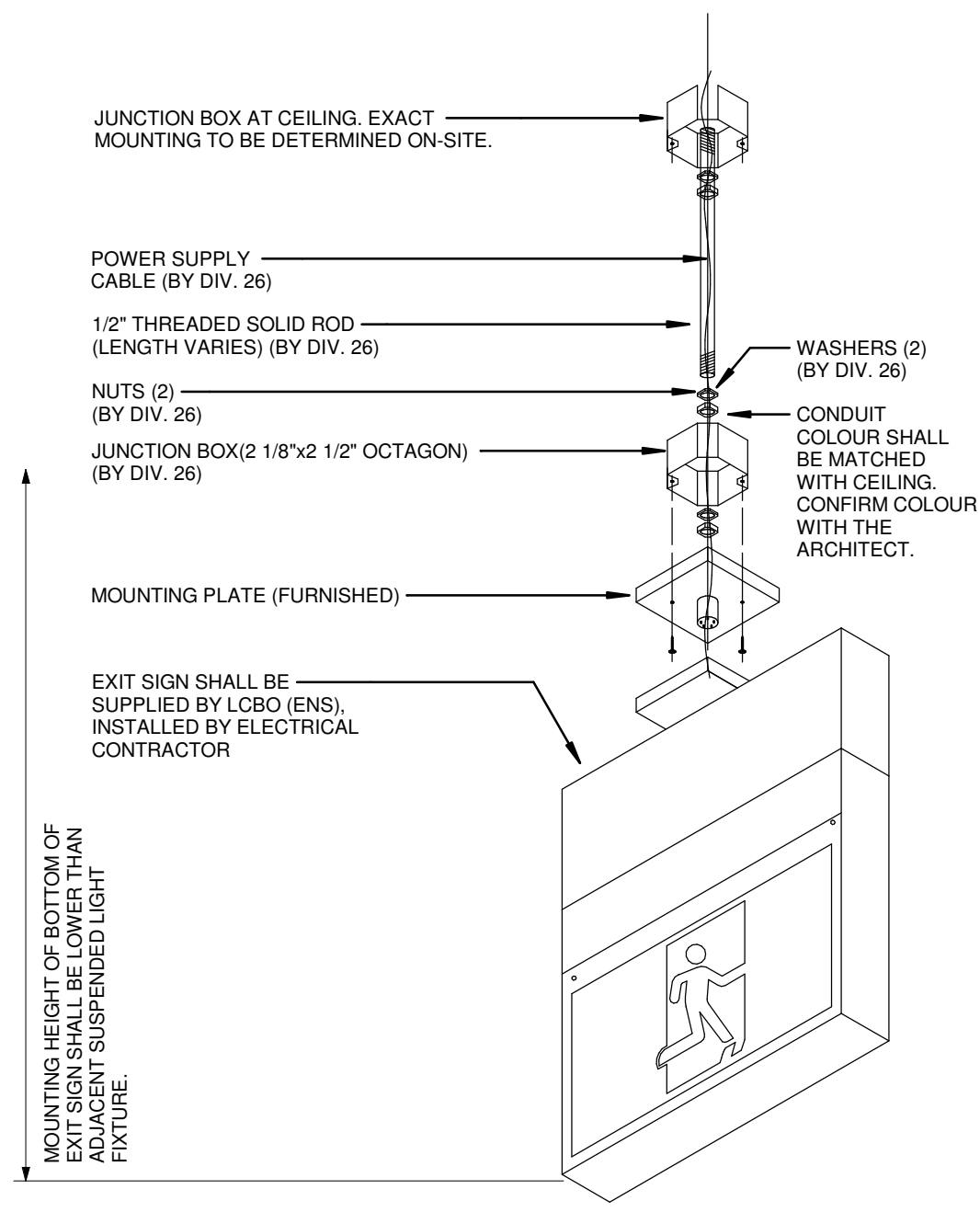
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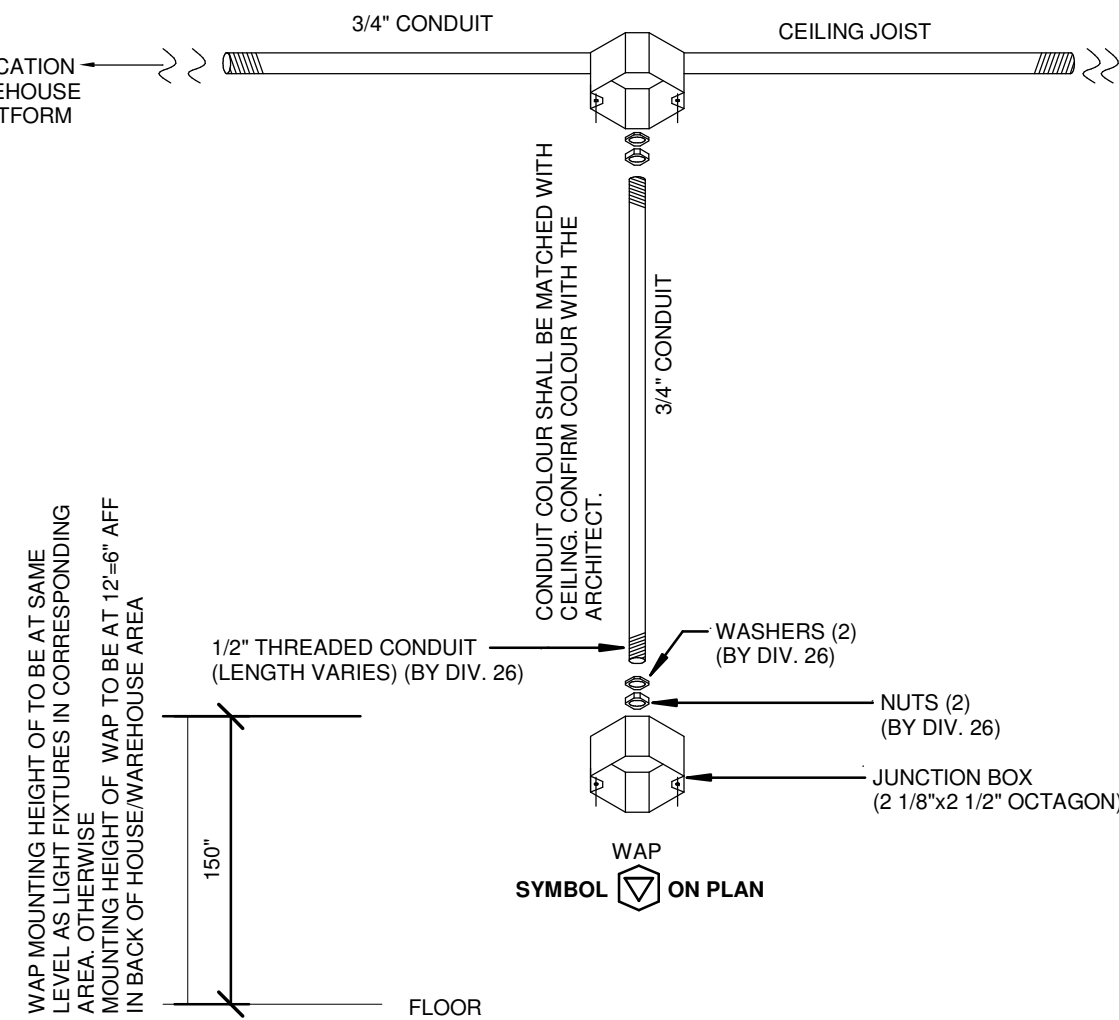
1
E-8
ELECTRICAL PANEL ELEVATIONS
SCALE: N.T.S



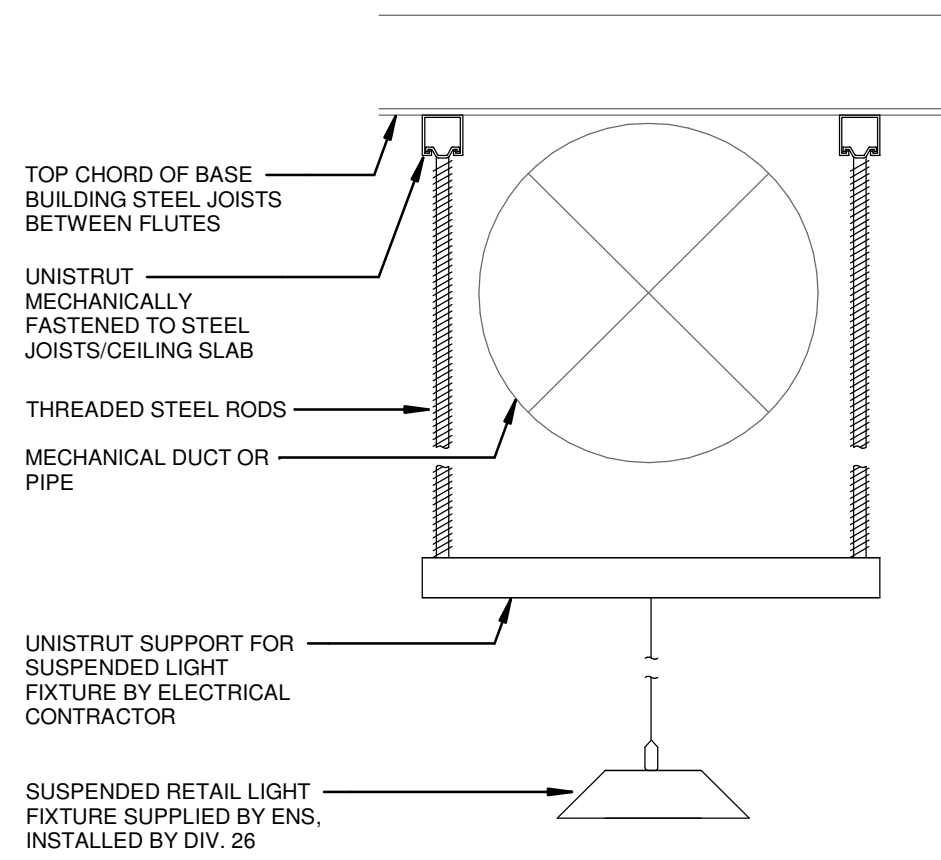
3
E-8
TYPICAL DETAIL OF RETAIL SECURITY MONITOR RECEPTACLE
SCALE: N.T.S



4
E-8
HIGH CEILING EXIT SIGN MOUNTING DETAIL
SCALE: N.T.S

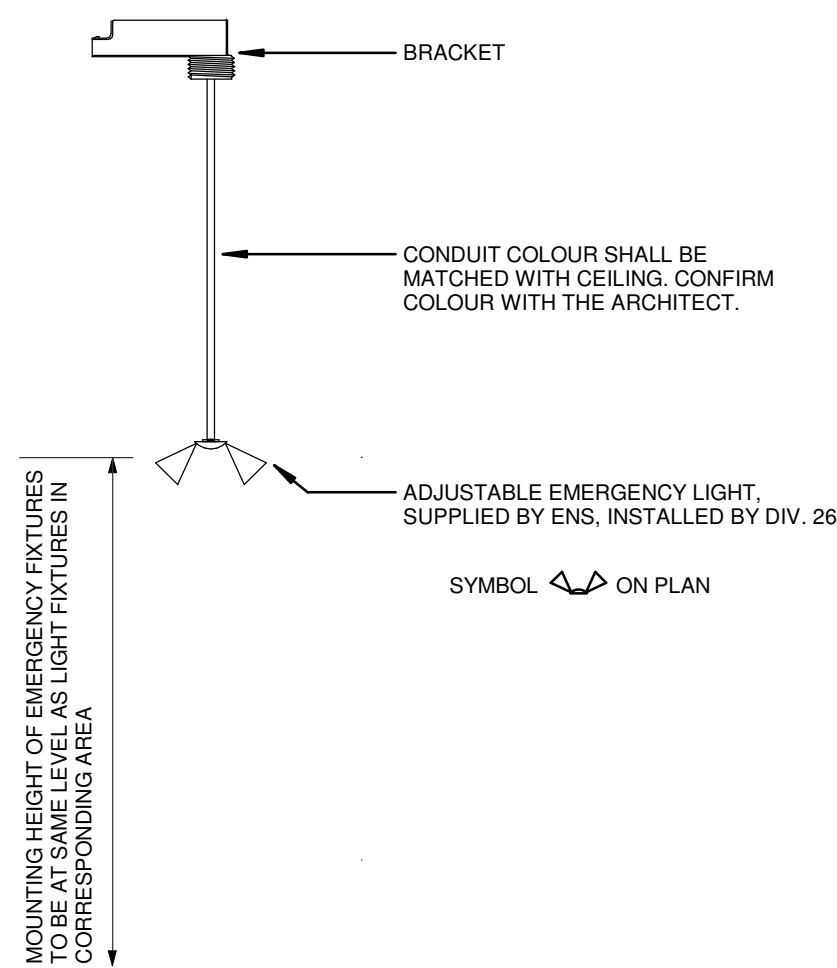


5
E-8
MOUNTING DETAIL FOR WIRELESS ACCESS POINT
SCALE: N.T.S

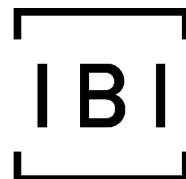


NOTE:
FOR SUSPENDED LED FIXTURES AT MECHANICAL DUCTWORK INTERFERENCE WHERE CONNECTION TO UNISTRUT (DIRECTLY FASTENED TO UNDERSIDE OF JOISTS/CEILING SLAB) IS NOT POSSIBLE USE DETAIL AS REQUIRED

2
E-8
RETAIL AREA LIGHTING SUSPENSION DETAILS
SCALE: N.T.S



6
E-8
MOUNTING DETAIL OF REMOTE HEADS
SCALE: 1 : 100



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Project No.:	Scale:	Drawn By:	Checked By:	

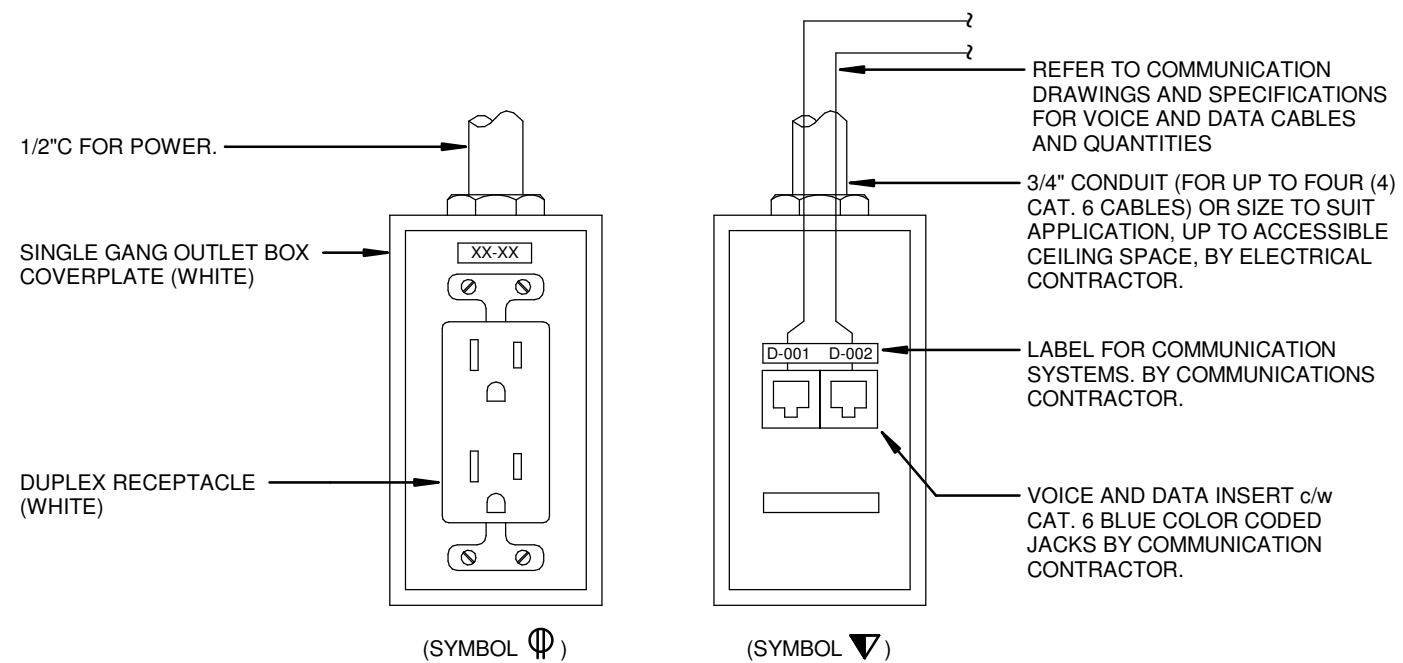
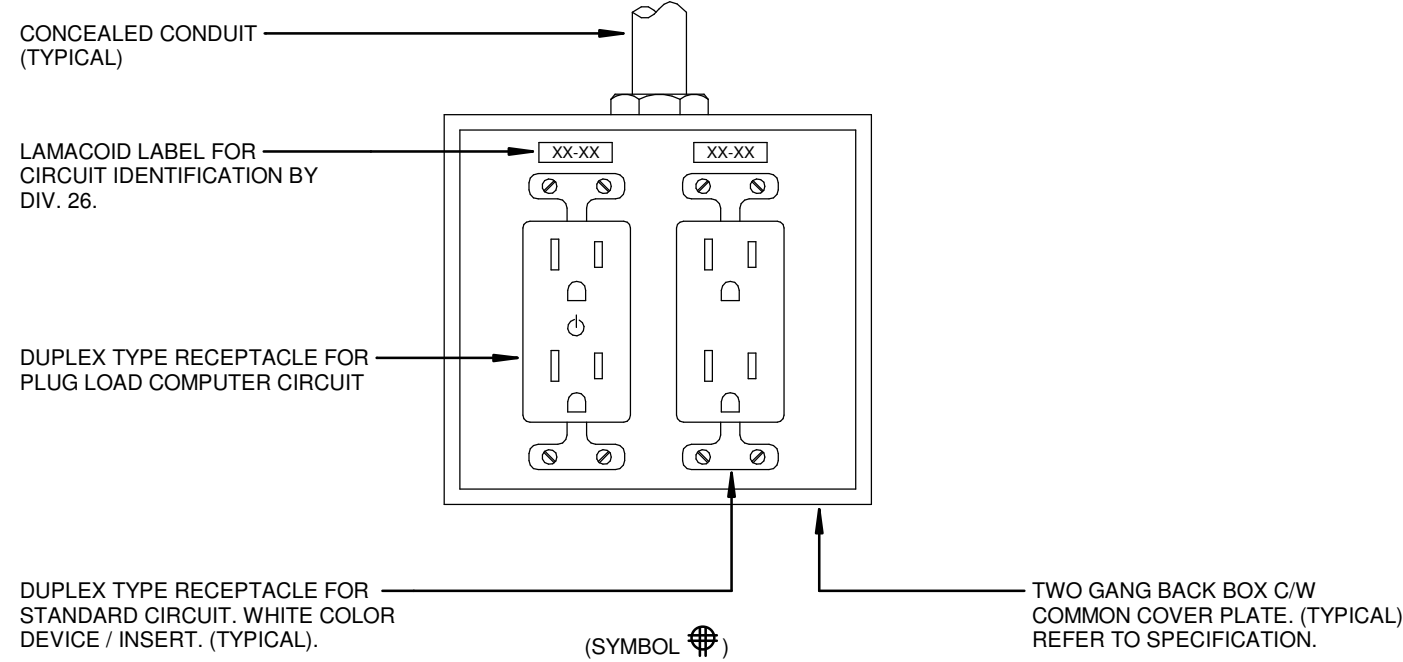
LCBO Store No. 668
TORONTO, ON
Interior Fit-up

Project:
MOUNTING DETAILS

Drawing Title:	E-8	R4
Sheet No.:		Rev:

GENERAL NOTES:

- COORDINATE WITH DESIGNER FOR EXACT VOICE/DATA CONFIGURATION OUTLETS.
- CO-ORDINATE WITH DESIGNER FOR EXACT COLOUR FINISH OF RECEPTACLES AND VOICE/DATA OUTLETS.
- 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.
- PROVIDE WALL MOUNTED RECEPTACLE - LEVITON DECORA - COLOR: WHITE. PROVIDE RED RECEPTACLES THAT ARE CONNECTING TO UPS CIRCUIT.
- ELECTRICAL CONTRACTOR MUST PROVIDE LAMACOID LABEL ON THE FACE OF EACH POWER RECEPTACLE INDICATING THE PANEL SOURCE AND CIRCUIT NUMBER.

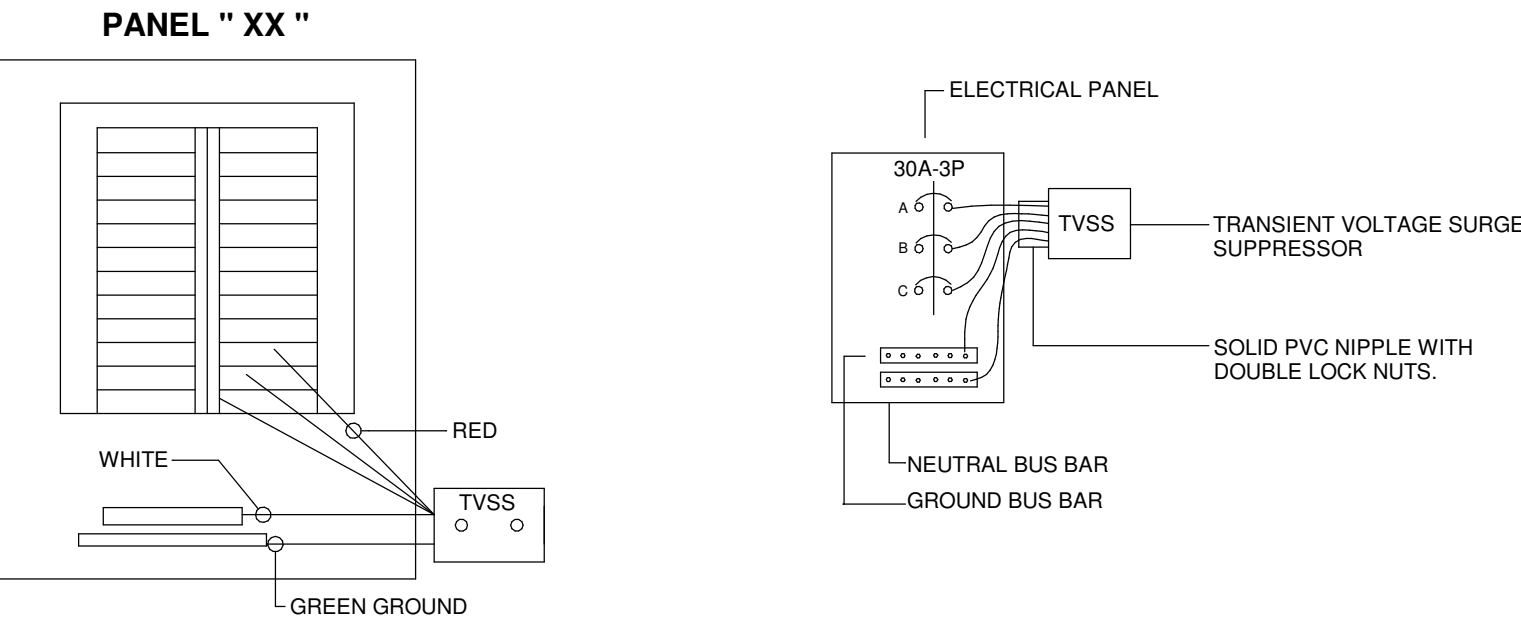


1
E-9
TYPICAL WALL OUTLET DETAIL
SCALE: N.T.S

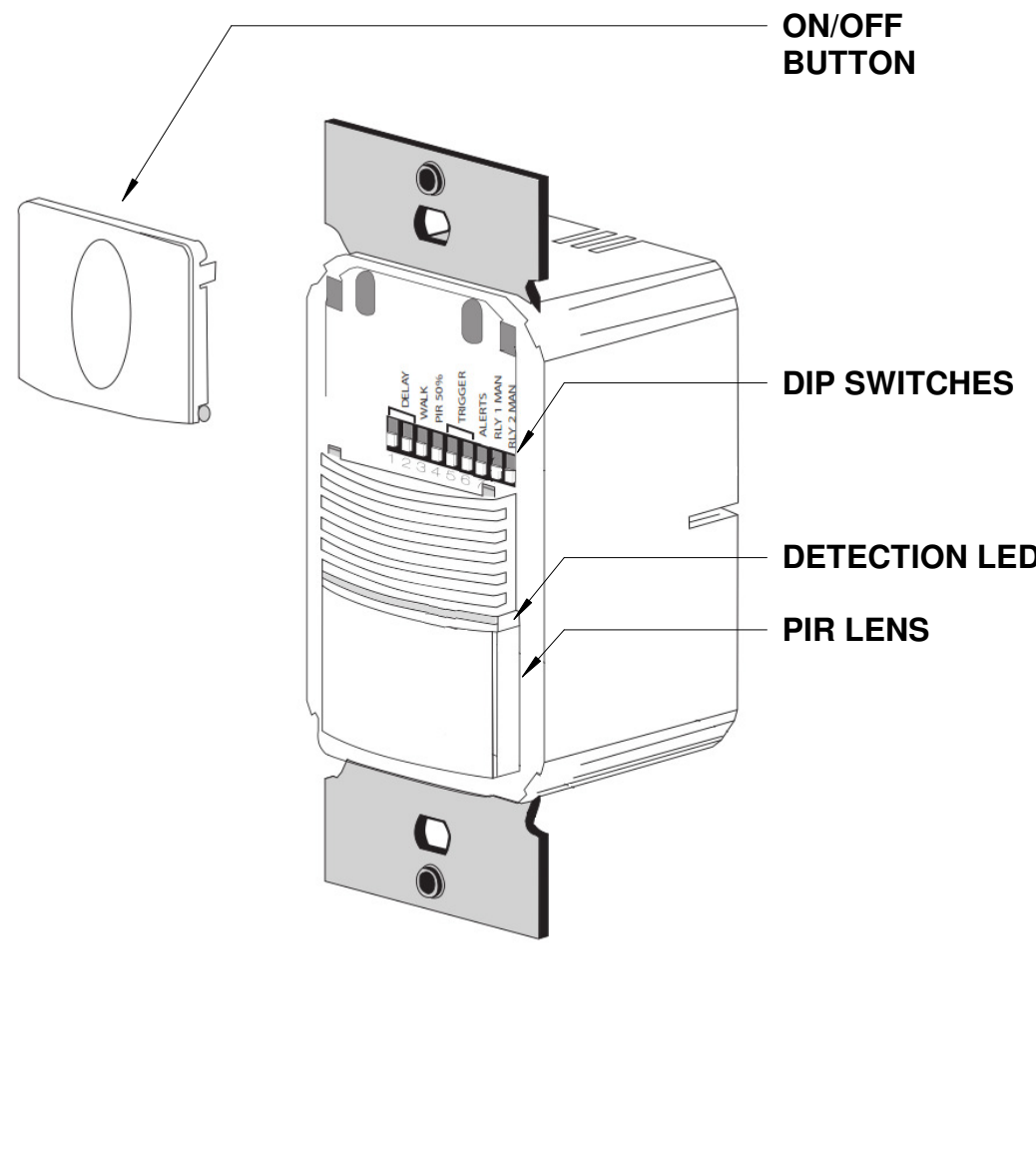
TVSS INSTALLATION INSTRUCTIONS:

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

- USE VOLTAGE METER TO CHECK ALL VOLTAGES IN PANEL.
- VERIFY THE CONNECTION OF EACH BUS BAR (TOTAL OF THREE) THROUGH: a/ DEDICATED BREAKER (30AMP)
- CONNECT GREEN WIRE TO GROUND.
- ALL LIGHTS WILL BURN BRIGHTLY WHEN PROPERLY INSTALLED.
- SUBSTITUTION OF SURGE SUPPRESSION UNIT TYPE WILL NOT BE ACCEPTABLE. UNLESS APPROVED BY THE ENGINEER
- 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.
- 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.
- 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.



4
E-9
TRANSIENT VOLTAGE SURGE SUPPRESSION DETAIL
SCALE: N.T.S

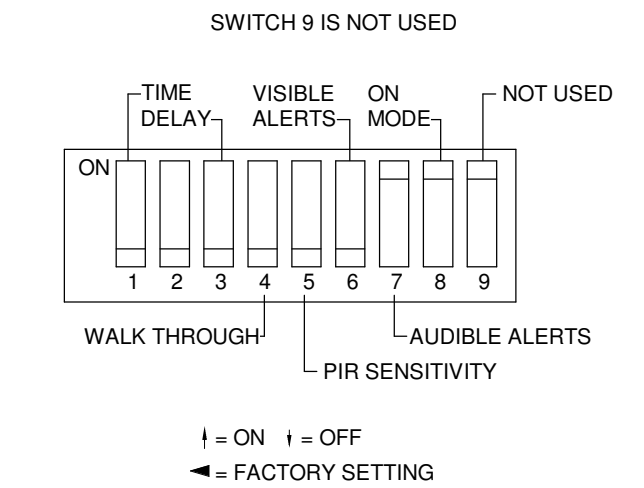


DIP SWITCH SETTINGS

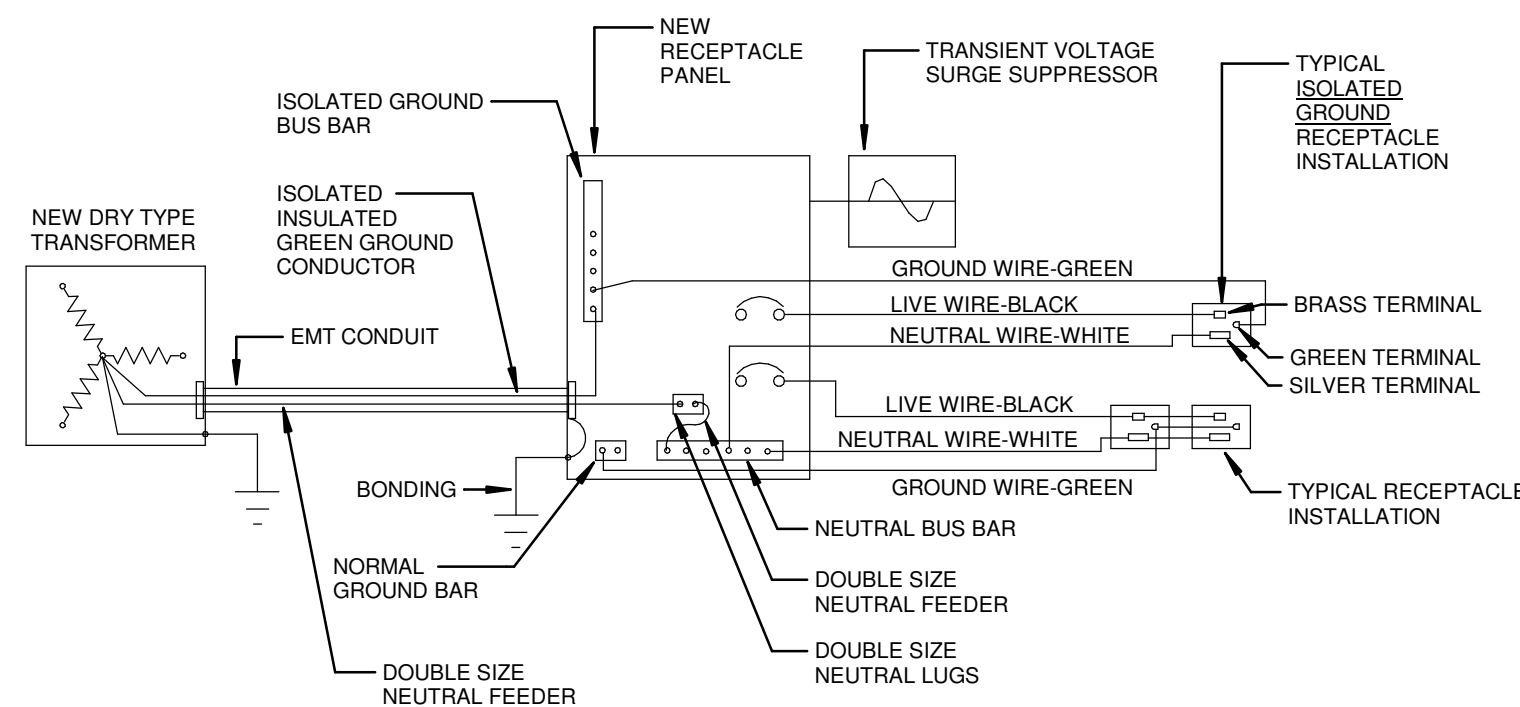
TIME DELAY	1	2	3	Ø SERVICE BY: PASS OCCUPANCY & LIGHT LEVEL FUNCTIONS. CONTROL THE LOAD MANUALLY USING ON/OFF BUTTON
TEST	↑	↑	↑	
5 MINUTES	↑	↑	↑	
10 MINUTES	↑	↑	↑	
15 MINUTES	↑	↑	↑	
20 MINUTES	↑	↑	↑	
25 MINUTES	↑	↑	↑	
30 MINUTES	↑	↑	↑	
Ø SERVICE	↑	↑	↑	

WALK-THROUGH	4	PIR SENSITIVITY	5
DISABLED	↑	HIGH	↑
ENABLED	↑	LOW, 50%	↑
VISIBLE ALERT	6	AUDIBLE ALERT	7
DISABLED	↑	DISABLED	↑
ENABLED	↑	ENABLED	↑

SETTING FOR OS1	SETTING FOR OS2
ON MODE	ON MODE
AUTO ON	AUTO ON
MANUAL ON	MANUAL ON



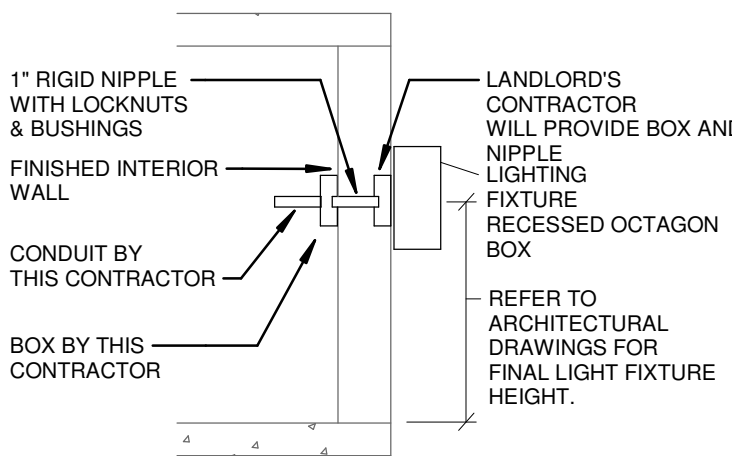
2
E-9
TYPICAL DETAIL OF OCCUPANCY SENSOR SETTING
SCALE: N.T.S



NOTES:

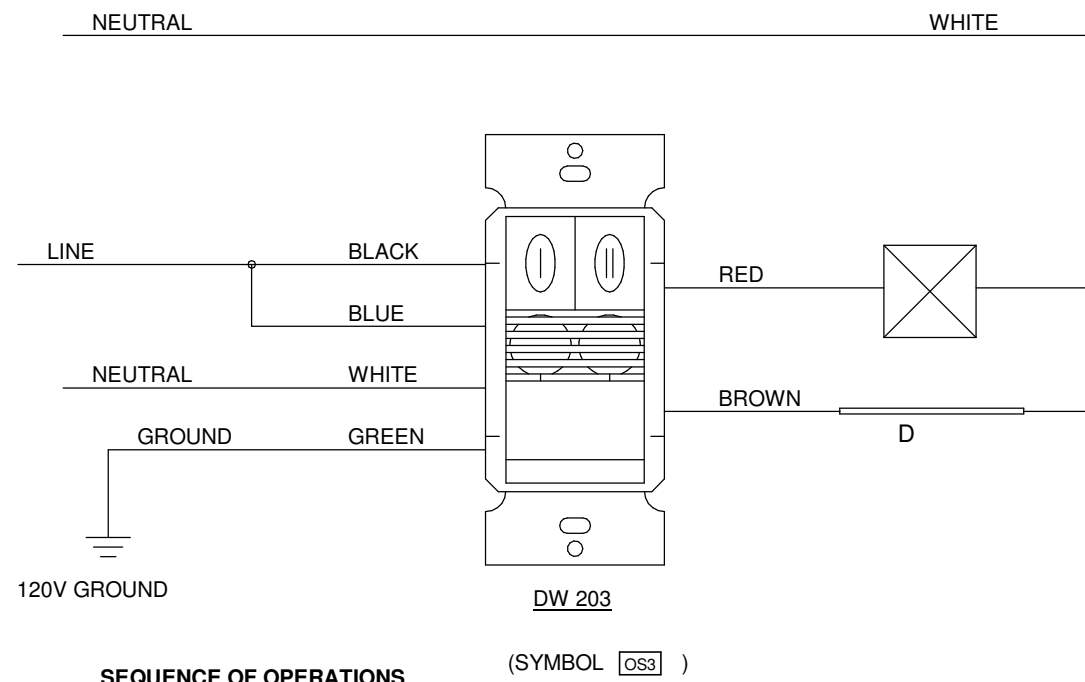
- PROVIDE SEPARATE NEUTRAL FOR EACH INDIVIDUAL CIRCUIT.
- PROVIDE A SEPARATE NEUTRAL AND A SEPARATE ISOLATED INSULATED GREEN GROUND FOR EACH ISOLATED GROUND RECEPTACLE.

5
E-9
TYPICAL NEUTRAL & ISOLDATED GROUND INSTALLATION
SCALE: N.T.S



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

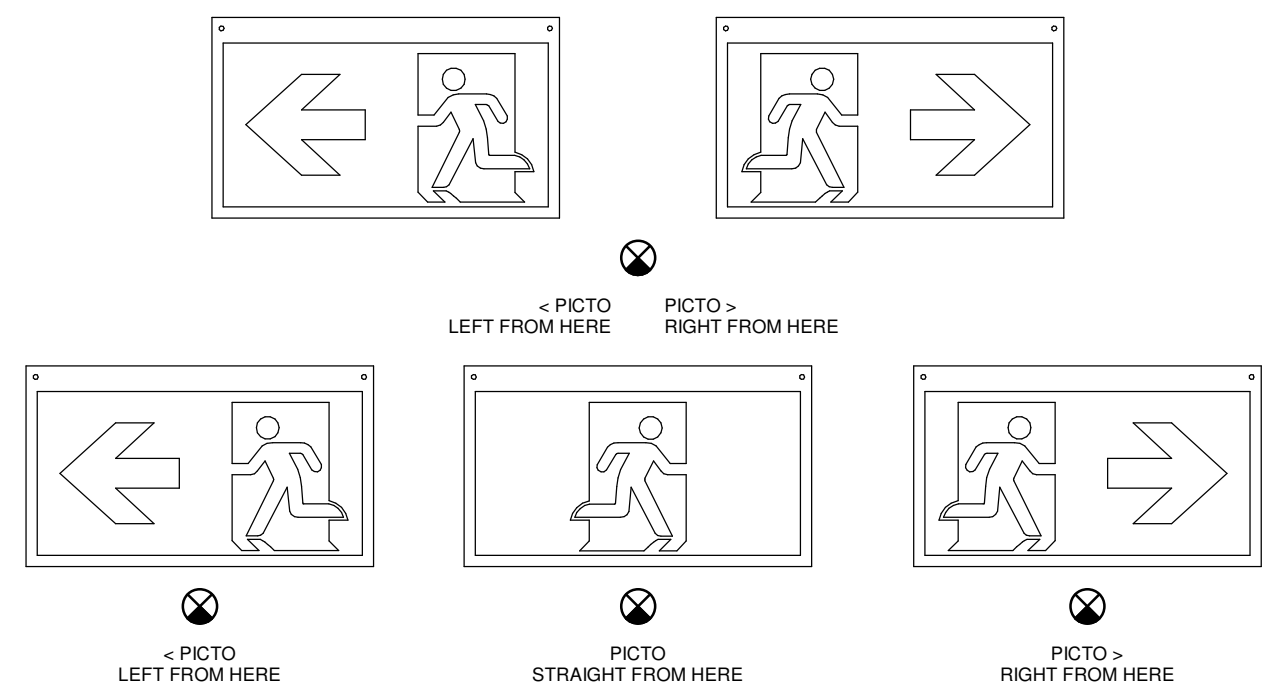
WALLSWITCH SENSOR WITH BI-LEVEL
MANUAL CONTROL



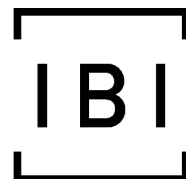
SEQUENCE OF OPERATIONS

- 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.

3
E-9
OFFICE SENSOR CONNECTION DETAIL
SCALE: N.T.S



6
E-9
EXIT SIGN DETAIL
SCALE: N.T.S



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LCBO Store No. 668
TORONTO, ON
Interior Fit-up

Project:

DETAILS

SPEC # CX-WC13FM & CXWC13WEC10

CX-WC13FM FLUSH MOUNT EQUIPMENT PACKAGE:

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

CX-WEC10 EQUIPMENT PACKAGE:

5. CM-45012R - '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-541 - ILLUMINATED 4 1/2" SQUARE ACTIVATION SWITCH
 12. CM-45X54 - FLUSH MOUNT BOX FOR CM-541
 13. CX-PS13 - 12/24 VDC LINEAR POWER SUPPLY
 14. CX-TRX-4024 - 40VA, 24VAC TRANSFORMER

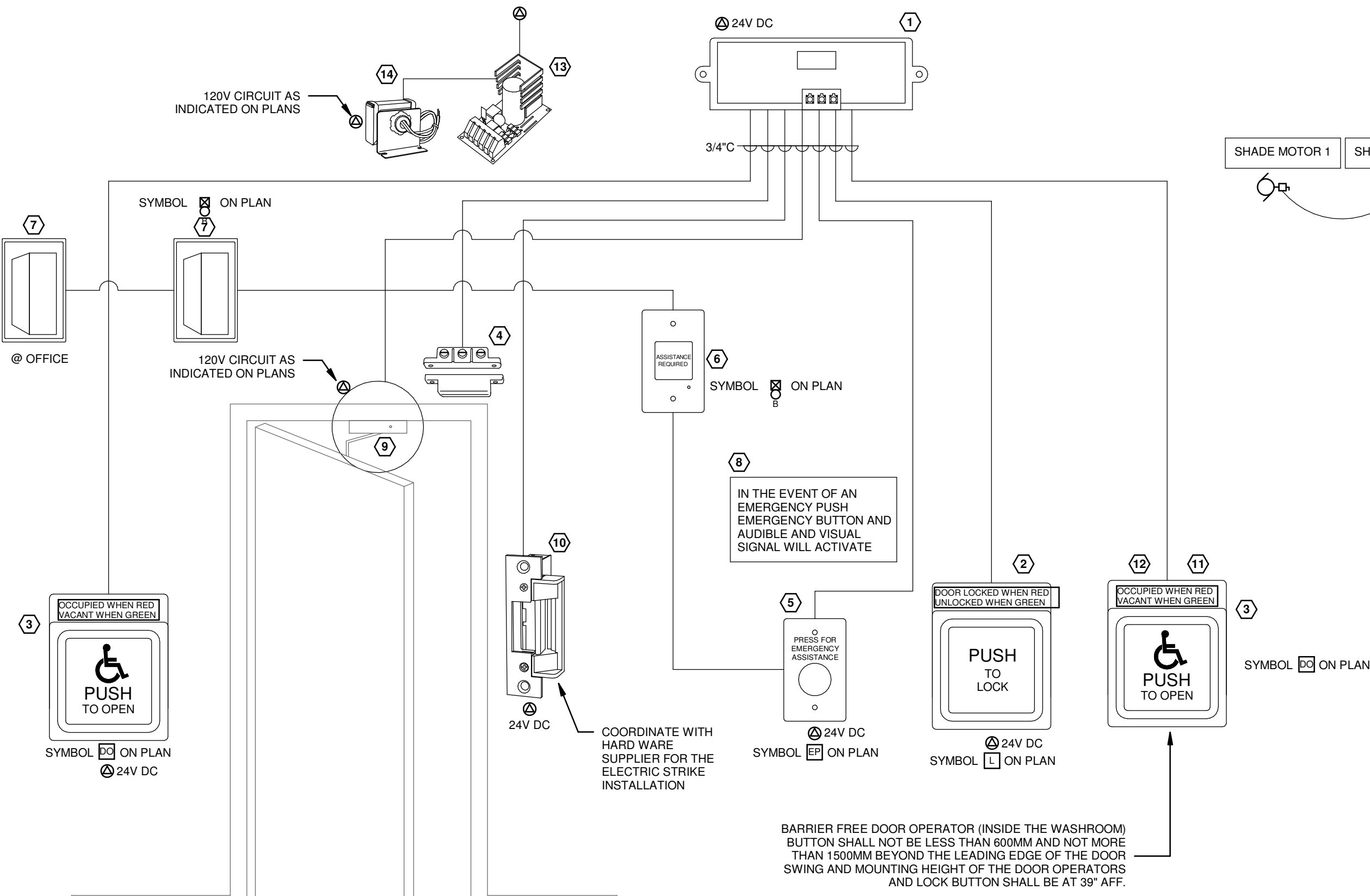
SYSTEM OPERATION

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 COLOUR TO RED AND LOCKS THE DOOR. TO EXIT, PRESS THE INTERIOR PUSH PLATE SWITCH TO UNLOCK THE DOOR AND RESET THE SYSTEM.
4. 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.
5. 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.

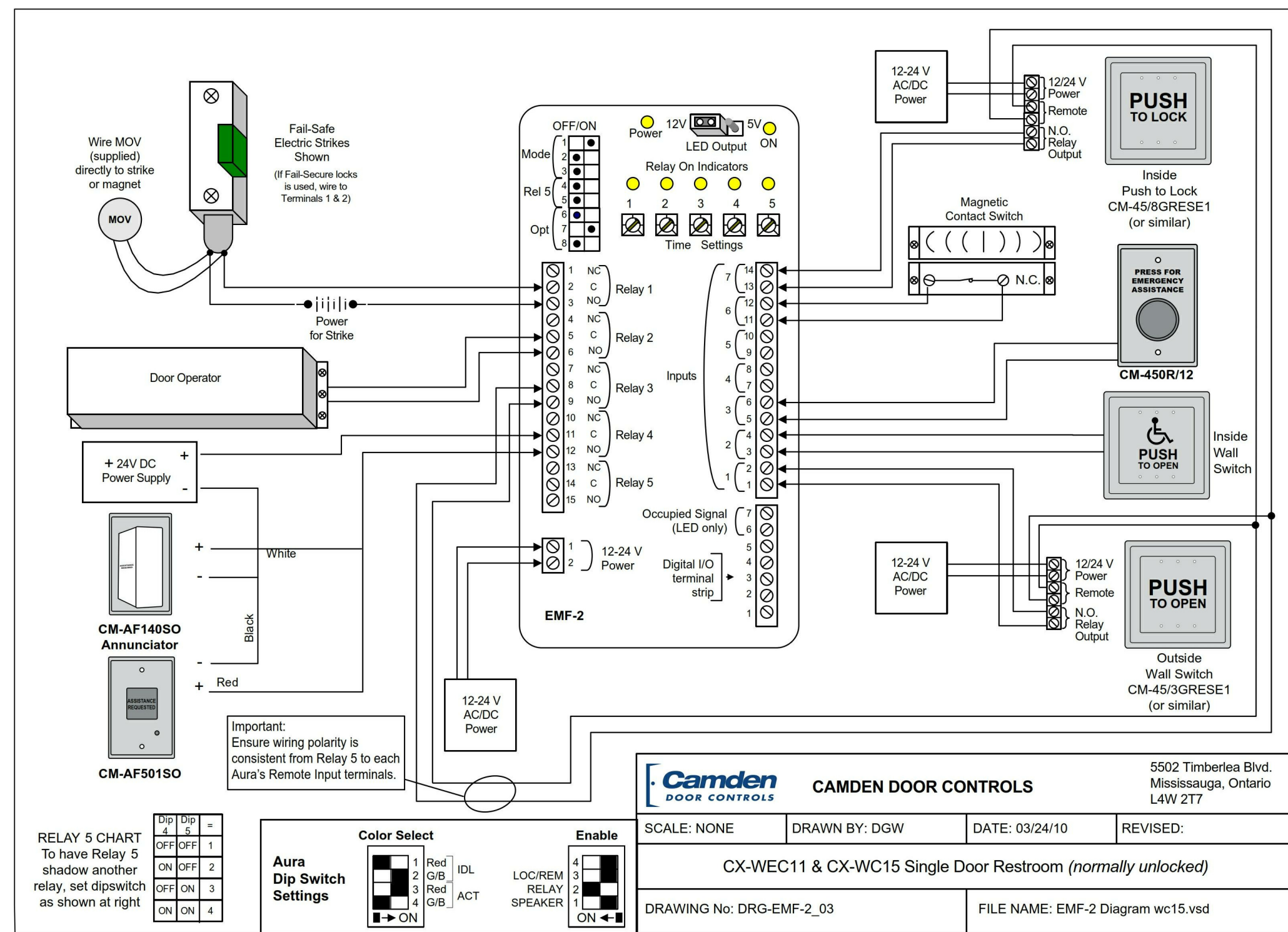


NOTES:

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 ROUGHINS 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 CALL 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.

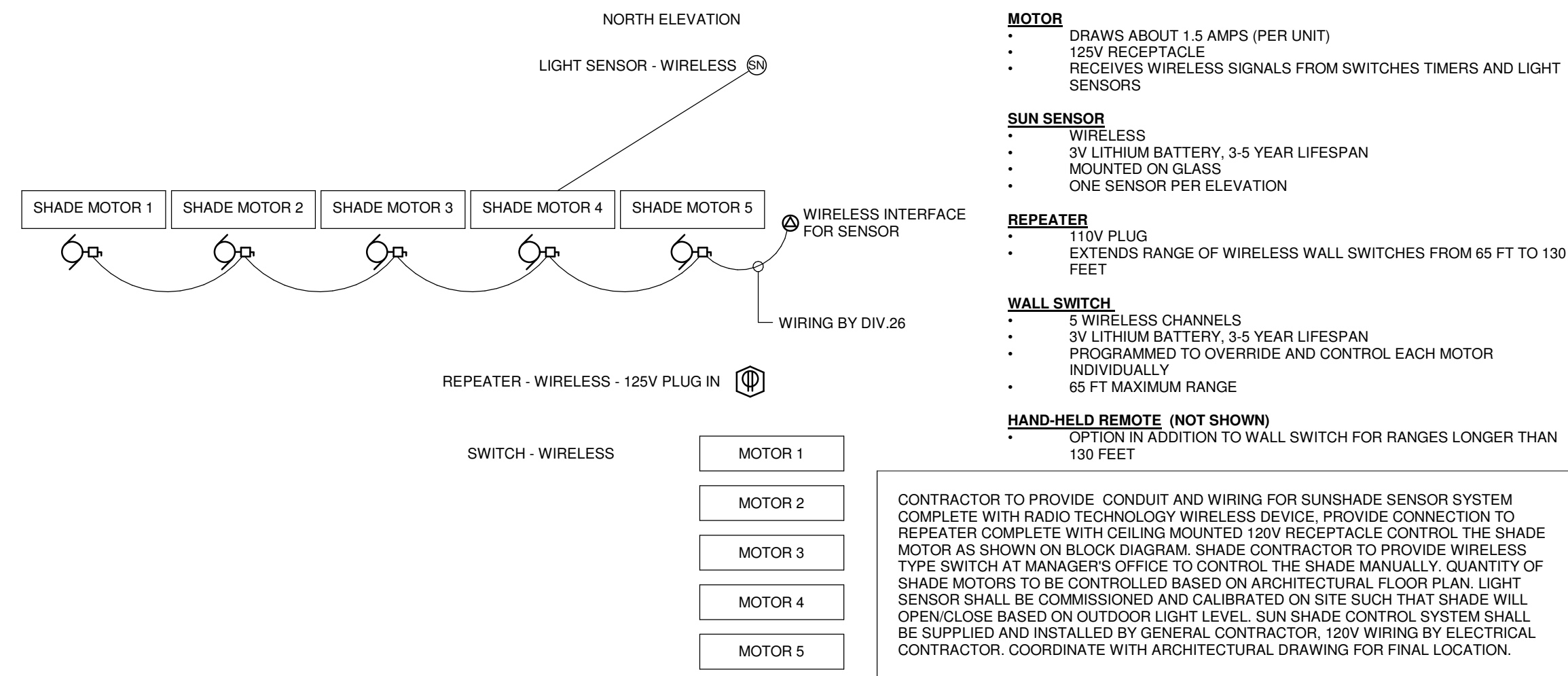
1 B.F WASH ROOM EMERGENCY CALL ASSISTANCE AND DOOR CONTROL DETAIL

SCALE: N.T.S



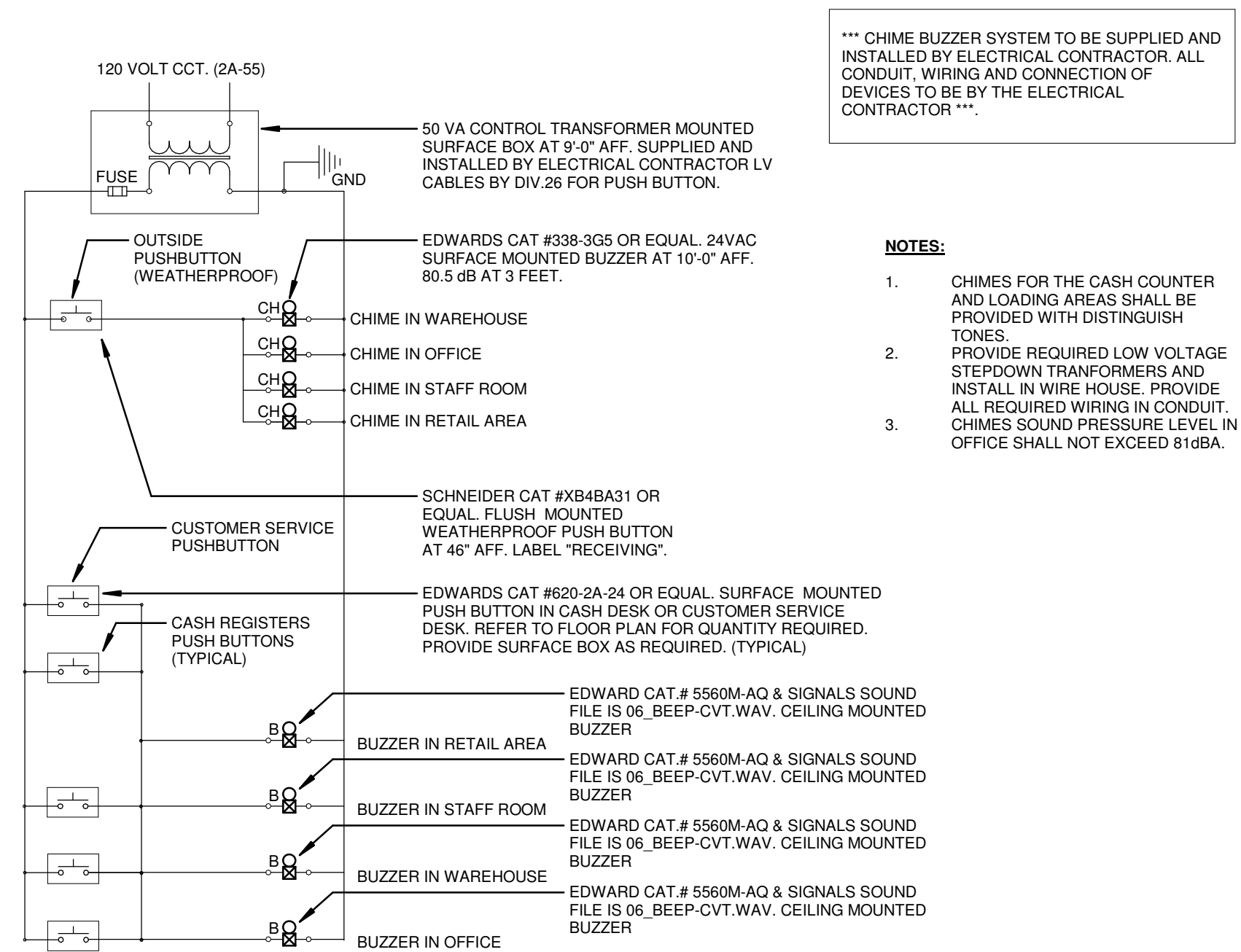
2 B.F WASH ROOM EMERGENCY CALL ASSISTANCE AND DOOR CONTROL WIRING DIAGRAM

SCALE: N.T.S



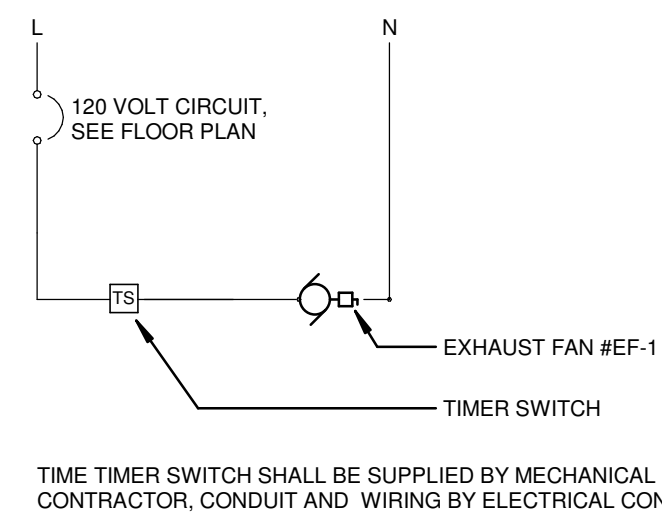
3 TYPICAL DETAIL OF MOTORIZED SHADE CONTROL BY SUN SENSOR

SCALE: N.T.S



4 CASH DESK AND RECEIVING DOOR CHIME/BUZZER WIRING DIAGRAM

SCALE: N.T.S



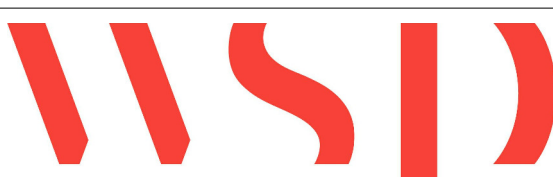
5 STAFF LUNCH ROOM FAN WIRING DIAGRAM

SCALE: N.T.S



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www.wsp.com

Context Plan

General Notes

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4	2021/02/08	Issued for Permit & Tender	MP
3	2021/01/25	90% Drawing Review	MP
2	2021/01/19	80% Drawing Review	MP
1	2020/12/22	30% Drawing Review	MP

Rev.	Date	Description	Initial
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Issued for Permit & Tender

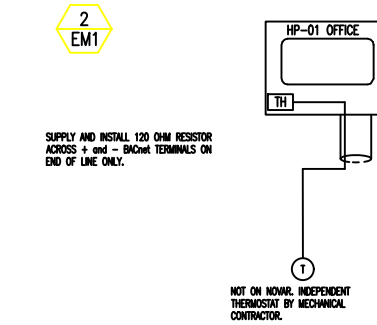
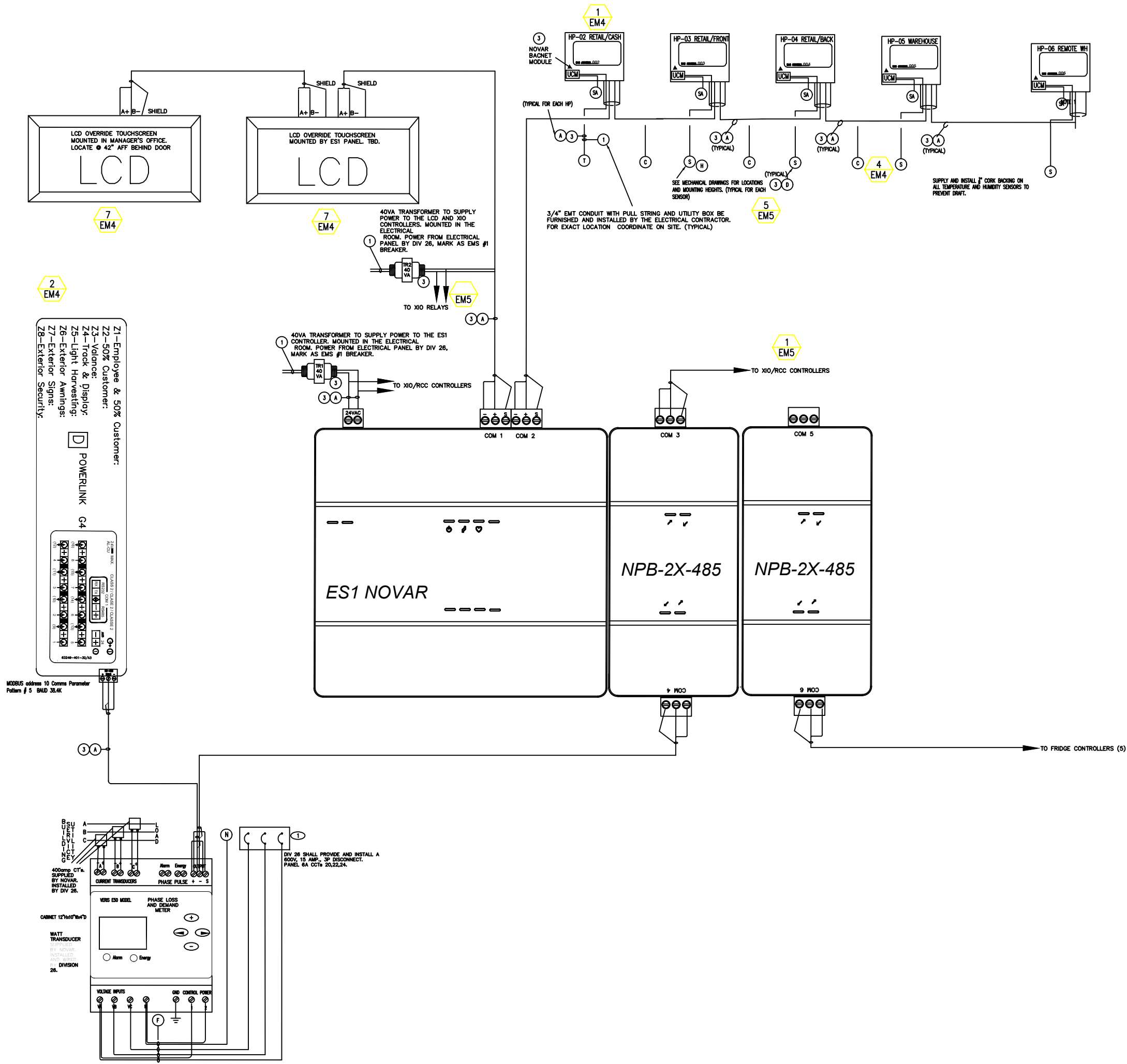
Issued for:	2021/02/08
Issue Date:	171-02500-E2
Project No.:	N.T.S
Scale:	MP
Drawn By:	MP
Checked By:	

LCBO Store No. 668
TORONTO, ON
Interior Fit-up

Project:

DETAILS

Drawing Title:	E-10	R4
Sheet No.:		Rev.



- KEY NOTES:**
1. ELECTRICAL CONTRACTOR SHALL FURNISH, INSTALL AND WIRE COMPLETE.
 2. LENNOX TO FURNISH, ENERGY MANAGEMENT CONTRACTOR TO WIRE AND INSTALL.
 3. ENERGY MANAGEMENT CONTRACTOR TO FURNISH AND INSTALL.
 4. LENNOX TO FURNISH AND INSTALL M2 IN ROOFTOP.
 5. ENERGY MANAGEMENT CONTRACTOR TO INSTALL WIRE.

- SYMBOLS LEGEND**
- (1)-(2)-2C 18 GAUGE TWISTED PLENUM RATED CABLE
 - (1)-(1)-10C 18 GAUGE CABLE
 - C02 SENSOR, MOUNTED WHERE SHOWN ON MECHANICAL DRAWINGS.
 - (1)-(4)-C 18 GAUGE CABLE
 - HUMIDITY SENSOR, MOUNTED WHERE SHOWN ON MECHANICAL DRAWINGS.
 - SPACE TEMPERATURE SENSOR, MOUNTED WHERE SHOWN ON MECHANICAL DRAWINGS.
 - 1 THERMOSTAT FOR OFFICE. (MECHANICAL SUPPLIED AND INSTALLED)
 - V SPACE TEMPERATURE SENSOR VINTAGES, MOUNT WHERE SHOWN ON MECHANICAL DRAWINGS.
 - B SPACE TEMPERATURE SENSOR BEER COOLER, MOUNT NEAR INSIDE OF DOOR

EQUIPMENT BY EMS CONTRACTOR			
OPUS- OPUS CONTROL PANEL			
LIGHT AND OUTDOOR TEMPERATURE SENSOR			
FIELD INSTALLED RELAYS			
LCD OVERRIDE SCREEN			
EMS EQUIPMENT BY LENNOX			
PRD BOARD - INTEGRATED PRODIGY CONTROLLER			
BAC BOARD - INTEGRATED BACnet MODULE			
ALL ROOFTOP TEMPERATURE, HUMIDITY AND CO2 SENSORS			
EMS EQUIPMENT BY DIV 26			
SMART BREAKER PANEL (SQUARE-D)			
1\" RIGID MAST CONDUIT			
1/2\" EMT SENSOR CONDUIT			



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**ENERGY MANAGEMENT
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Context Plan

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1	12/15/20	C02-H1	IK

Issued for	Scale	Drawn by	Checked by
January 26, 2021	NTS	JR	JR

LCBO Store No. 668
Toronto, ON

Project
**NOVAR BAS SYSTEM
WIRING DIAGRAM**

Sheet no. **EM-01** of **5**

SCOPE OF WORK

GENERAL CONTRACTOR INFORMATION:

The Purchase Order will be issued to SMC 6 weeks prior to the fixture date. The Novar equipment will arrive two weeks prior to the construction date as indicated by LCBO. SMC will be on site a total of 5 times to complete the project.

JOB SITE ELECTRICAL CONTRACTORS SCOPE (DIV 26):

The electrical contractor is to install in conduit all line voltage wiring (120v to 600v)

BAS CONTRACTORS SCOPE (DIV 25):

The BAS contractor will be responsible for installation and termination of the Novar equipment as stated in this document and indicated on drawings #EM1-5 for the LCBO equipment. The BAS contractor also provides and installs conduit, boxes, straps and fittings which pertain to the low voltage (24v). All cable shall be enclosed in conduit below the ceiling level if not concealed within the building structure. The goal is to have the Novar system installed 100% At substantial completion.

INSTALLING THE NOVAR OPUS PANEL:

Mount the NOVAR panel in the Elect. room, on the wall as indicated on the electrical drawings. Review and coordinate with the electrical contractor the installation of conduit and 2 circuitS for BAS #1 & 2. It is the 120VAC circuits which provide power to the transformers and receptacle located inside the panel. The installation by BAS of a 1" dia. EMT sleeve which is used to bring the Novar cables into the panel. Provide a connector and bushing at the top of the conduit sleeve to protect the cables from abrasion. NOTE: Do not terminate the low voltage cables in the panel until after the field termination have been made at the other ends of the cables. Before the terminations are made, it is important to test the cables for shorts to ground. Once you have verified the integrity of the cables, and made all field termination, you can proceed with all terminating inside the prefab panel.

OUTDOOR LIGHT (ALS), TEMPERATURE (OTS), HUMIDITY(OAS) SENSORS:

Requires 2, 18/4 w/shield cables from the OSA to the prefab panel.The OSA will be mounted on the Roof Top Unit which is closest to the electrical room. Mount the OSA on the 1/2" rigid conduit mast installed on the rooftop. Terminate the cables at the ALS and OTS at the OSA before making the termination at the panel.

REACH IN FRIDGES:

The reach in coolers requires 1, 18/2w/shield conductor cable from the Novar panel to the RCC controller for BACnet communications.

WATTS TRANSDUCER:

The watts tranducer requires 1, 18/2 w/shield conductor cable from the transducer to the Novar panel. The transducer monitors power consumption and phase conditions through Modbus protocol. 3 current transducers are to be mounted in a 16x16x6 box installed by the electrician.

LIGHTING CONTROL:

Lighting will be split into 8 Zones.
1-Employee & 50% Customer, 2-50% Customer, 3-Valance, 4-Track & Displays, 5-Daylight Harvesting, 6-Exterior Awnings & Vestibule, 7-Exterior Signs, 8-Exterior Security
A complete smart breaker panel (Square D) POWERLINK G4 NF21SBRG4 - will be supplied and installed by the electrical contractor.
BAS contractor will install an indoor light sensor for daylight harvesting located in the ceiling by the windows at the cash desks. Maximun 6' from the window wall.

ZONE HUMIDITY SENSORS:

Each humidity sensor requires 2, 18/2w/shield conductor cable from the rooftop to the sensor location. Mount the IHS on the box provided by the electrical contractor on the column or wall. Install cork to the complete back of the sensor to prevent drafts. Make all termination at the IHS prior to terminating in the RTU. Remember to keep the polarity the same throughout the system.

ZONE CO2 SENSORS:

Each Co2 sensor requires 2, 18/2w/shield conductor cable from the rooftop to the sensor location. Mount the CO2 on the box provided by the electrical contractor on the column or wall. Install cork to the complete back of the sensor to prevent drafts. Make all termination at theCO2 prior to terminating in the RTU. Remember to keep the polarity the same throughout the system.

NEW DAIKEN FAN COIL UNITS:

Daiken BACnet controllers and associated devices will be factory installed.as shown on drawing #EM4. Zone sensors will be supplied by Daiken and installed by the Novar contractor. The communications line requires a 1, 18/2 w/shield conductor cable from the prefab panel to the first fan coil and then 1, 18/2 w/shield conductor cable loop to each of the remaining fan coil's. Prior to making the termination in the fan coils, you must first locate the com line home run in the prefab panel, strip the wires and heat shrink them off to prevent shorting to ground during the terminations. Turn off disconnects at each fan coil then make all termination in the fan coils. Remember to maintain the polarity throughout the entire system. Address the Daiken as BACnet and per the fan coil identification numbers.

ZONE TEMPERATURE SENSOR (ZTS):

Each ZTS requires 1, 18/2 w/shield conductor cable from the RTU serving the space the ZTS is located in.Mount the ZTS on the box provided by the electrical contractor on the column or wall. Install cork to the complete back of the sensor to prevent drafts. Make all termination at the ZTS prior to terminating in the RTU. Remember to keep the polarity the same throughout the system.

REMOTE COMMUNICATION CHECKOUT:

Once you have completed this scope of work and the EMSsystem is installed and terminated, NOVAR will get on-line with the system and verify all points of control are operational

EMS LAN CONNECTION:

Verify the RJ-45 LAN connection has been installed adjacent to the panel. Plug the CAT5 ethernet cable into the XCM.Obtain the IP address and submit to Novar for programming.

WIRE LABELING:

All wire labeling must use printed wrap around wire labels. Hand written labels or writing on the wire is not acceptable.

SENSOR LABELING:

All sensors must have lamacoids installed on the sensor indicating the approved LCBO identification. Hand written labels, printed or writing on the sensor is not acceptable.

SEQUENCE OF OPERATIONS

NEW HEAT PUMPS:

UCMs, Zone sensors, and Supply sensors will be supplied by EMS and installed by the Novar contractor. The communications line requires a 1, 18/2 w/shield conductor cable from the prefab panel to the first RTU and then 1, 18/2 w/shield conductor cable loop to each of the remaining RTU's. Prior to making the termination in the RTU's, you must first locate the com line home run in the prefab panel, strip the wires and heat shrink them off to prevent shorting to ground during the terminations. Turn off disconnects at each RTU.Then make all termination in the RTU's. Remember to maintain the polarity throughout the entire system. Address the Lennox Prodigy as BACnet and per the RTU identification numbers.

FRIDGES

-Occupied/Unoccupied shall be activated by a daily schedule.
-The evaporator fans run continuously durring occupied hours. during unoccupied hours they cycle for 15 minutes every hour unless there is a call for cooling by the condensor then they will stay on until the cooling call is satisfied.
-the condensor will cycle to maintain desired setpoint in the fridges. If the temperature reaches 1.5 "Deg C" > setpoint the condensor will energize. when the temperature is 1.5 "Deg C" below setpoint the condensor will de-energize.
-Beer fridge occupied setpoint 9 "Deg C", unoccupied setpoint 13 "Deg C".
-Cold room occupied setpoint 10 "Deg C", unoccupied setpoint 10 "Deg C".
-Wine fridges occupied setpoint 11 "Deg C", unoccupied setpoint 15 "Deg C".

Alarms

-Space temperature exceeds setpoints for over 1 hour during occupied and unoccupied hours.

WASHROOM EXHAUST FAN

-Shall be commanded on/off via employee lighting schedule.

PHASE LOSS METER

-On a phase failure of the incoming power a signal will be sent to the rooftops to shut down immediadely.
-On a restore of phase loss condition the rooftops will sequentially start up for normal operation.

Alarms

-Pulse input failure.

KWH DEMAND METER

-Monitoring only in 15 minute increments.

Alarms

-Pulse input failure.

LIGHTING

-All lighting will be operated by time of day schedules.
-Override to last a pre-determined time (adjustable).
-Exterior lights will be interlocked with an outdoor light sensor.
-Daylight harvesting lights to be interlocked with an indoor light sensor.

-Zone 1-Employee lights are on when staff arrives and off when staff leaves.
-Zone 2-Customer Lights are on 15 minutes before store opening and off 15 minutes after store closing.
-Zone 3-Valance Lights are on 5 minutes before and off 5 minutes after store closing.
-Zone 4-Track Lights are on at store opening and off at store closing.
-Zone 5-Daylight Harvesting Lights are on @ store opening and off 15 minutes after store closing when indoor light sensor is below 75 Lumens. (Adjustable).
-Zone 6-Exterior Awnings and Vestibule lights are on at store opening and off a 1/2 hour after store closing if light sensor permits.
-Zone 7-Exterior Signs are on at store opening and off a 1/2 hour after store closing if light sensor permits.
-Zone 8-Security Lighting are on at dusk and off at dawn if light sensor permits.

-There are override buttons on the LCD. During occupied hours they are inactive. During unoccupied hours if pushed once they will energize the lights and will stay on for 1 hour. If they are pushed again the lights will go off.

Alarms

-Indoor light sensor failure.
-Outdoor light sensor failure.
-LCD touchscreen communication failure.



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Context Plan

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2			
1			

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January 26, 2021

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LCBO Store No. 668
Toronto, ON

Project

SCOPE OF WORK
SEQUENCE OF
OPERATIONS

Drawing title

Filename

EM-02

or 5

Sheet no.

LIGHTING & OTHER EQUIPMENT									
ID#	EQUIP	POINT DESCRIPTION	TYPE	CONTROL	ADD	POINT#	INTERFACE	TREND LOG	LCD
1	METER	KWH DEMAND	AI	VERIS	51	01	BACNET	YES	YES
2	PHASE	PHASE LOSS PROTECTION	DI	VERIS	51	01	BACNET	YES	
3									
4	SEC	SECURITY GENERAL ALARM	DI	XIO	22	01	RELAY	YES	
5	VEST	VESTIBULE FFH SENSOR	AI	RCC-1081	—	02	SENSOR	YES	YES
6	VEST	VESTIBULE FFH ON/OFF	DO		—	01	RELAY	YES	YES
7	EF	EXHAUST FAN 01 ON/OFF	DO	XIO	21	02	RELAY	YES	YES
8	EF	EXHAUST FAN 01 CONTROL	AO	XIO	21	02	0-10V	YES	YES
9	EF	EXHAUST FAN 01 FEEDBACK	AI	XIO	21	03	0-10V	YES	YES
10	MISC	OUTDOOR TEMP SENSOR	AI	XIO	21	01	SENSOR	YES	YES
11	MISC	INDOOR LIGHT SENSOR	AI	XIO	21	04	SENSOR	YES	YES
12	LIGHT	EMPLOYEE LIGHTS ON/OFF	DO	SQUARE D	10	1	BACNET	YES	
13	LIGHT	CUSTOMER LIGHTS ON/OFF	DO	SQUARE D	10	2	BACNET	YES	
14	LIGHT	VALANCE LIGHTS ON/OFF	DO	SQUARE D	10	3	BACNET	YES	
15	LIGHT	TRACK & DISPLAY LIGHTS ON/OFF	DO	SQUARE D	10	4	BACNET	YES	
16	LIGHT	DAYLIGHT HARVESTING ON/OFF	DO	SQUARE D	10	5	BACNET	YES	
17									
18	LIGHT	EXTERIOR SIGNS ON/OFF	DO	SQUARE D	10	7	BACNET	YES	
19									
20	LIGHT	EMPLOYEE LIGHTS STATUS	VI	SQUARE D	—	1	BACNET	YES	
21	LIGHT	CUSTOMER LIGHTS STATUS	VI	SQUARE D	—	2	BACNET	YES	
22	LIGHT	VALANCE LIGHTS STATUS	VI	SQUARE D	—	3	BACNET	YES	
23	LIGHT	TRACK & DISPLAY LIGHTS STATUS	VI	SQUARE D	—	4	BACNET	YES	
24	LIGHT	DAYLIGHT HARVESTING STATUS	VI	SQUARE D	—	5	BACNET	YES	
25	LIGHT	EXTERIOR AWNINGS STATUS	VI	SQUARE D	—	6	BACNET	YES	
26	LIGHT	EXTERIOR SIGNS STATUS	VI	SQUARE D	—	7	BACNET	YES	
27	LIGHT	EXTERIOR SECURITY STATUS	VI	SQUARE D	—	8	BACNET	YES	
28	LIGHT	EMPLOYEE LIGHTS OVERRIDE	VI	LCD	1,2	1		YES	YES
29	LIGHT	CUSTOMER LIGHTS OVERRIDE	VI	LCD	1,2	2		YES	YES
30	LIGHT	VALANCE LIGHTS OVERRIDE	VI	LCD	1,2	3		YES	YES
31	LIGHT	TRACK & DISPLAY LIGHTS OVERRIDE	VI	LCD	1,2	4		YES	YES
32	LIGHT	DAYLIGHT HARVESTING OVERRIDE	VI	LCD	1,2	5		YES	YES
33									
34	LIGHT	EXTERIOR SIGNS OVERRIDE	VI	LCD	1,2	7		YES	YES
35									
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FCU'S, VAV'S AND MECH EQUIPMENT									
ID#	EQUIP	POINT DESCRIPTION	TYPE	CONTROL	ADD	POINT#	INTERFACE	TREND LOG	LCD
45	HPU'S	ZONE TEMPERATURE	AI	UCM	2-5	3,4	BACNET	YES	YES
46	HPU'S	SUPPLY AIR TEMP	AI	UCM	2-5	4,5	BACNET	YES	YES
47	HPU'S	SUPPLY FAN ON/OFF	DO	UCM	2-5	21	BACNET	YES	YES
48	HPU'S	COOLING VALVE	DO	UCM	2-5	26	BACNET	YES	YES
49	HPU'S	HEATING VALVE	DO	UCM	2-5	22	BACNET	YES	YES
50	HPU'S	SCHEDULE STATUS	DO	UCM	2-5	VIRT	BACNET	—	YES
51	HPU'S	HEAT PUMP STATUS	AI	UCM	2-5	VIRT	BACNET	—	—
52	HPU'S	COOLING OCC SETPOINT	AO	UCM	2-5	VIRT	BACNET	—	YES
53	HPU'S	COOLING UNOCC SETPOINT	AO	UCM	2-5	VIRT	BACNET	—	—
54	HPU'S	HEATING OCC SETPOINT	AO	UCM	2-5	VIRT	BACNET	—	YES
55	HPU'S	HEATING UNOCC SETPOINT	AO	UCM	2-5	VIRT	BACNET	—	—
56	HPU'S	ACTIVE SETPOINT('C)	VI	UCM	2-5	VIRT	BACNET	YES	YES
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LEGEND:

EQUIPMENT:
Equipment Novar is wired to.

POINT DESCRIPTION:
Point controlled or monitored by Novar

TYPE:
Analog Input (AI), Analog Output (AO)
Digital Input (DI), Digital Output (DO)
Virtual Input (VI), Virtual Output (VO)

CONTROL:
Novar Module

ADDRESS:
Novar Module Software Address

POINT#:
Novar Point Allocation Number

INTERFACE:
Interface Peripheral

TREND LOG:

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2

1

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Date

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Issued for
January 26, 2021

Issue date

Project No.

Scale

NTS

Drawn by

JR

Checked by

JR

Project:
LCBO Store No. 668
Toronto, ON

Project:
NOVAR BAS
POINT LIST

Drawing title

Filename

Sheet no.

EM-03

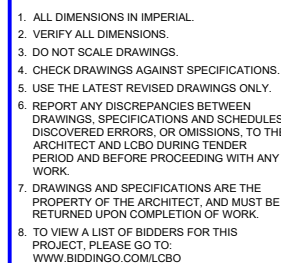
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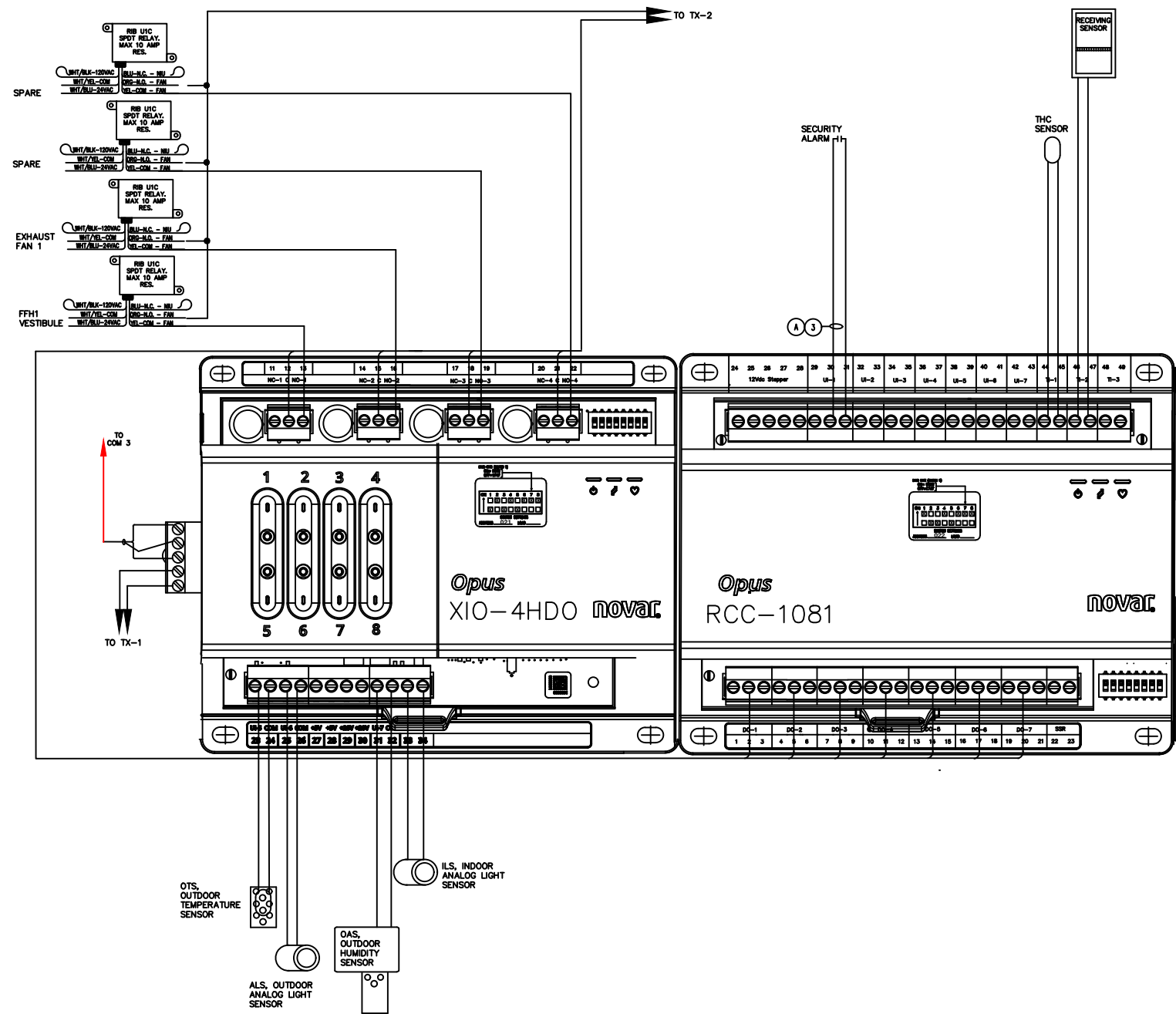
PANEL 2L – SQUARE D POWERLINK G4 NF21SBRG3 ①						
EMS	DESCRIPTION	CCT	PHASE	CCT	DESCRIPTION	EMS
–	BATTERY UNIT BU	1	A	2	ENTRANCE POT LIGHTS	6
2	CASH DESK LIGHT	3	B	4	SPARE	–
1	EMPLOYEE WAREHOUSE LIGHT	5	C	6	RETAIL CUSTOMER LIGHT	1
2	CUSTOMER WAREHOUSE LIGHT	7	A	8	RETAIL CUSTOMER LIGHT	2
–	NIGHT LIGHT	9	B	10	SPARE	–
–	SPARE	11	C	12	SPARE	–
–	SPARE	13	A	14	SPARE	–
–	SPARE	15	B	16	SPARE	–
1	EMPLOYEE TRACK LIGHT	17	C	18	LCBO CHANNEL LETTERS	7
1	EMPLOYEE TRACK LIGHT	19	A	20	LCBO LETTER SIGNAGE	7
4	RETAIL TRACK LIGHT	21	B	22	LCBO BLADE SIGNAGE	7
4	RETAIL TRACK LIGHT	23	C	24	SPARE	–
3	RETAIL VALENCE LIGHTS	25	A	26	SPARE	–
–	OFF+STAFF+W/R+JANITOR ROOM	27	B	28	SPARE	–
4	GIFT/SPIRIT FIXTURE LIGHT	29	C	30	SPARE	–
4	GIFT/SPIRIT FIXTURE LIGHT	31	A	32	SPARE	–
–	SPARE	33	B	34	SPARE	–
4	FRIDGE/THC LIGHTS	35	C	36	SPARE	–
5	DAYLIGHT HARVESTING	37	A	38	TVSS	–
–	SPARE	39	B	40	TVSS	–
–	SPARE	41	C	42	TVSS	–



3			
2			
1	11/27/20	REVISION 1 SITE CONDITIONS	BR
Rev.	Date	Description	Initials

	NTS	JR	JR
Project No.	Scale	Drawn by	Checked by

EM-04 or 6

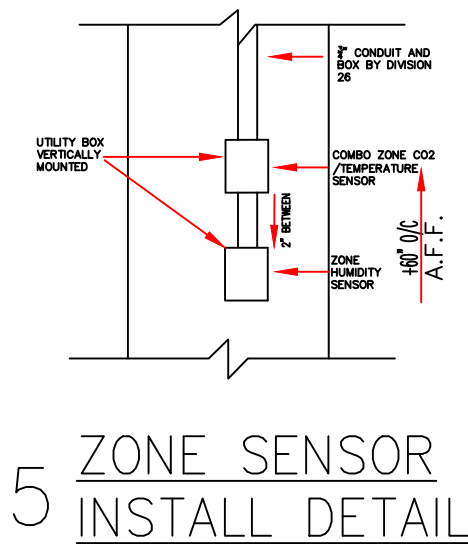


1 XIO WIRING DIAGRAM

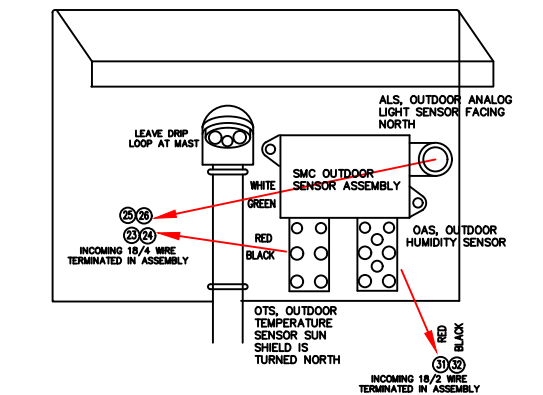
2 NIU

3 NIU

4 NIU



5 ZONE SENSOR INSTALL DETAIL



6 OUTDOOR SENSOR INSTALL DETAIL



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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 SPECIFICATION
5. USE THE LATEST REVISED DRAWINGS ONLY
6. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SCHEDULE DISCOVERED ERRORS, OR OMISSIONS, TO 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
3		
2		
1		

Issued for	January 26, 2021
Issue date	
Project No.	NTS
Scale	JR
Drawn by	JR
Checked by	

LCBO Store No. 686
Toronto, ON

Project
XIO POINT LIST
DETAILS

Drawing title

Filename

Sheet no. EM-05 of 5