# CITY OF TORONTO ACCESSIBILITY UPGRADES GROUP 3

9119-19-0162 / Arcadis 30279056

Google Maps Toronto Projects
GROUP 03  GROUP 05  GROUP
GROUP 12 (C) 5280 (C)
Playdium Amusement Centre  Amusement Centre  Mississauga  12 Agreement Centre  Amusement Centre  Amuse
Map data 60019 George 2 January  IMAGE SOURCES: GOOGLE MAPS

	COVER PAGE GROUP 05
SHEET#	SHEET TITLE
G03-GAL-G1001	COVER PAGE, GENERAL DRAWING LIST, BUILDING LIST

	GENERAL LAYOUTS GROUP 05					
SHEET#	SHEET TITLE					
G03-GAL-G1002	ARCHITECTURAL GENERAL NOTES, ABBREVIATIONS & REFERENCE SYMBOLS					
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G03-GAL-G1004	DOOR TYPES					
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GROUP 03 BUILDING INDEX						
SERIAL#	BUILDING ADDRESS	BUILDING DESCRIPTION				
17	1050 ELLESMERE RD	ELLESMERE YARD - BLDG D				
37	1305 ELLESMERE RD	SQUIRRELS NEST DAYCARE CENTER				
114	2000 MIDLAND AVE	ELLESMERE YARD - BLDG A				
141	2440 LAWRENCE AVE E	POLICE - BAIL & PAROLE ENFORCEMENT OFFICE				
108	2 HOBSON AVE	CORPORATE PRINTING & MULTI-MEDIA BUILDING				
231	4331 LAWRENCE AVE E	POLICE NO. 43 DIVISION & EMS STATION NO. 26				

TOUCH AND FEEL BOOKLET

TYPICAL DETAILS BOOKLET

NOT FOR CONSTRUCTION

ISSUED FOR TENDER

CITY OF TORONTO



55 John ST. TORONTO, ON M5V 3C6

ISSUES

 No.
 DESCRIPTION
 DATE

 A
 50% SUBMISSION
 2022-01-20

 B
 90% SUBMISSION
 2022-02-22

 C
 ISSUED FOR PERMIT
 2022-03-18

 D
 ISSUED FOR TENDER
 2025-04-11

PRIME CONSULTANT



100 - 175 Galaxy Blvd, Toronto, ON M9W 0C9, Canada tel 416 679 1930 www.arcadis.com

PROJECT NO: 9119- 19- 0162 / Arcadis 30279056

DATE: **2022-12-07** 

G03-GAL-G0001

D

#### **ABBREVIATIONS**

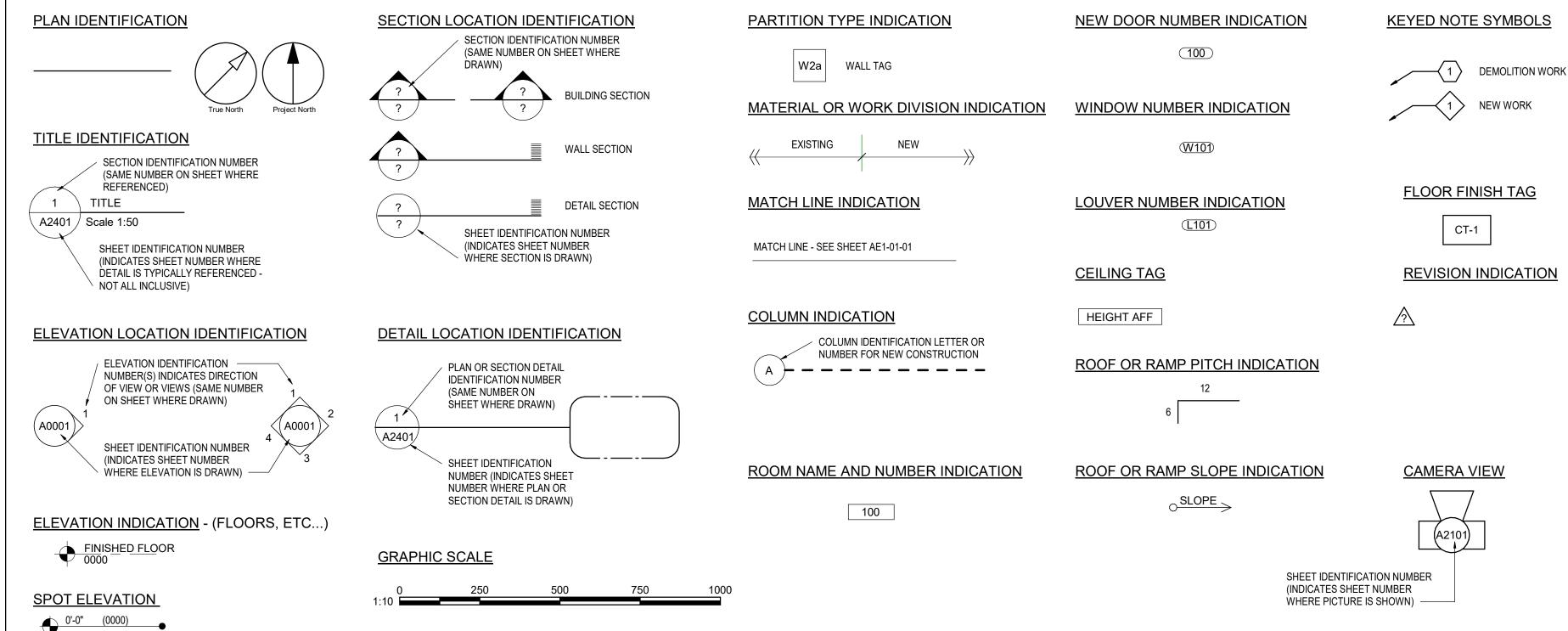
@ A A/C	AT ANGLE AIR CONDITIONER / CONDITIONING	ECB ECS EF	EMERGENCY CALL BUTTON EMERGENCY CALL SIGNAGE EACH FREE	LNS LNT LP	LINOLEUM SHEET LINOLEUM TILE LOW POINT	RS RST RSTR	RUBBER SHEET FLOORING RUBBER STAIR TREADS RUBBER STAIR TREADS & RISEF
ABV	ABOVE	EIFS	EXTERIOR INSULATION AND FINISH	LT	LIGHT	RT	RUBBER TILE
ACCS	ACCESSORIES		SYSTEM	LVR	LOUVER	RWB	RUBBER WALL BASE
ACSDR	ACCESS DOOR	EJ EL	EXPANSION JOINT ELEVATION	LWT	LIGHT WEIGHT	RWD	REDWOOD
ACSFLR ACST/	ACCESS FLOOR ACOUSTICAL	ELEC	ELECTRICAL	MACH	MACHINE	RWL	RAIN WATER LEADER
ACOUS	ACCOUNTAL	ELEV	ELEVATOR	MAINT	MAINTENANCE	S	SOUTH
ACT	ACOUSTICAL CEILING TILE	EMER	EMERGENCY	MAT	ANTI-FATIGUE MATTING	SC	SOLID CORE
ad Ada	AREA DRAIN AMERICANS WITH DISABILITIES ACT	EMF ENCL	ENGINEERED WOOD FLOORING ENCLOSED / ENCLOSURE	MATL	MATERIAL	SCD	SEAT COVER DISPENSER
ADA ADDL	ADDITIONAL	ENG	ENGINEER	MAX MC	MAXIMUM MEDICINE CABINET	SCHED SCN	SCHEDULE SCREEN
ADDM	ADDENDUM	EOD	EDGE OF DECK	ME	MECHANICAL EQUIPMENT	SCT	STAINED CONCRETE
ADJ	ADJUSTABLE / ADJACENT	EOS	EDGE OF SLAB	MECH	MECHANICAL	SD	SOAP DISPENSER / STORM DRA
admin Afc	ADMINISTRATION ABOVE FINISHED COUNTER	EQ EQPT	EQUAL(LY) EQUIPMENT	MEZZ	MEZZANINE	SDC	SEALED CONCRETE
AFF	ABOVE FINISHED COUNTER  ABOVE FINISHED FLOOR	EST	ESTIMATE	MFR MH	MANUFACTURE(R) MANHOLE	SECT SF	SECTION SQUARE FEET
AFG	ABOVE FINISHED GRADE	EWC	ELECTRIC WATER COOLER	MIN	MINIMUM	SF SHLF	SHELF
AFS	ABOVE FINISHED SLAB	EXIST	EXISTING	MIR	MIRROR	SHT	SHEET
AGGR	AGGREGATE	EXP	EXPANSION	MISC	MISCELLANEOUS	SHTG	SHEATHING
ahr Ahu	ANCHOR AIR HANDLING UNIT	EXT	EXTERIOR	MLD / MLDG	MOULDING	SHWC	SHOWER CURTAIN AND ROD
AL/	ALUMINUM	FA	FIRE ALARM	MO	MASONRY OPENING	SHWR SHWS	SHOWER SHOUR SEAT
ALUM		FAST	FASTEN(ER)	MR	MOISTURE RESISTANT	SIM	SIMILAR
ALNMT	ALIGNMENT	FCO	FLOOR CLEAN OUT	MTD	MOUNTED	SND	SANITARY NAPKIN DISPENSER
ALT	ALTERNATE	FD	FLOOR DRAIN	MTL	METAL	SNR	SANITARY NAPKIN RECEPTACL
anod Anun	ANODIZED ASSISTANCE REQUIRED	FDN	FOUNDATION	MUL	MULLION	SOG	SLAB ON GRADE
ANOIN	INDICATIOR/ALARM	FE FEC	FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET	MW	MICROWAVE	SPD	SOAP DISPENSER WITH COLLECTOR
AP	ACCESS PANEL		FIRE EXTINGUISHER CABINET,	N	NORTH	SPEC	SPECIFY / SPECIFICATION
APC	ACOUSTICAL PANEL CEILING	,	RECESSED	NA OR	NOT AVAILABLE / APPLICABLE	SPK	SPEAKER
	APPROXIMATELY APPROVED	FEC (SR)	FIRE EXTINGUISHER CABINET, SEMI-RECESSED	N/A	CEMININE MADIZIMIAA OTE DU	SQ	SQUARE
	APPROVED DOOR LOCK INDICATOR	FEW	FIRE EXTINGUISHER, WALL	ND NFPA	FEMININE NAPKIN WASTE BIN NATIONAL FIRE PROTECTION	SQFT	SQUARE FEET
ARCH	ARCHITECT(URAL)		MOUNTED	INI F'A	ASSOCIATION	SQIN SS	SQUARE INCH(ES) STAINLESS STEEL
ASPH	ASPHALT	FF	FINISHED FLOOR	NIC	NOT IN CONTRACT	ST	STONE
ASTM	AMERICAN SOCIETY FOR TESTING	FFL	FINISH FLOOR LEVEL	NO/#	NUMBER	STA	STATION
AUTO	MATERIALS AUTOMATIC	FGL FIN	FIBERGLASS FINISH(ED)	NOM NTS	NOMINAL NOT TO SCALE	STC	SOUND TRANSMISSION CLASS
AVG	AVERAGE	FIXT	FIXTURE	61111	NOT TO SOALE	STD	STANDARD
5	AND	FL	FLOOR	OA	OVERALL	STDS STIFF	STUDS STIFFENER
	20122		FLASH(ING)	OBS	OBSCURE	STIFF	STEEL
BD	BOARD		FLUORESCENT	OC	ON CENTER	STN	STAINED
BET BFACT	BETWEEN BARRIER FREE ADULT CHANGE	FOC FOF	FACE OF CONCRETE FACE OF FINISH	OCI	OCCUPIED INDICATOR	STOR	STORAGE
DEACT	TABLE	FOM	FACE OF MASONRY	OD OFCI	OUTSIDE DIAMETER OWNER FURNISHED CONTRACTOR	STRUCT	STRUCTURE / STRUCTURAL
BFAO	BARRIE FREE AUTOMATIC OPENER	FOS	FACE OF STUDS	OI OI	INSTALLED	SUSP SV	SUSPENDED STOVE
BFPB	BARRIER FREE PUSH BUTTON	FOW	FACE OF WALL	OFF	OFFICE	SW	SWITCH
BFWO	BARRIER FREE WAVE TO OPEN BUMPER GUARD	FP	FIREPROOF	OPG / OPNG	OPENING	SYM	SYMMETRICAL
BG BITUM	BITUMINOUS	FPL ED	FIREPLACE FRAME	OPNG	OPPOSITE	SYN	SYNTHETIC
BL	BLACK	FR FRC	FIBER REINFORCED CONCRETE	OZ	OUNCE	SYS	SYSTEM
BLDG	BUILDING	FRG	FIRE RATED GLASS			T&B	TOP AND BOTTOM
BLK	BLOCK	FRGP	FIBER REINFORCED GYPSUM	PART	PARTIAL	T&G	TONGUE AND GROOVE
BLKG BM	BLOCKING BEAM	FRT	PLASTER FIRE RETARDANT TREATED	PAT PB	PATTERN PORCELAIN BASE	TB	TOWEL BAR
BMS	BALANCE MAGNETIC SWITCH	FS	FLOOR SINK	PBD	PARTICLE BOARD	TBD	TO BE DETERMINED
BOS	BOTTOM OF STEEL	FTG	FOOTING		PRECAST CONCRETE	TC	TOP OF CURB
BOT	BOTTOM		FURRING	PED	PEDESTAL	TEL	TELEPHONE
BR	BACKREST	FUT	FUTURE	PER	PERIMETER	TEMP	TEMPORARY / TEMPERATURE
BS	BOTH SIDES	GA	GAUGE	PERF PERP	PERFORATED PERPENDICULAR	TER TGL	TERRAZZO TEMPERED GLASS
CAB	CABINET	GALV	GALVANIZE(D)	PF	PRE-FINISHED	THK	THICK
CAS	CASEWORK	GB	GRAB BAR	PFT	PORCELAINE FLOOR TILE	THRU	THROUGH
CB	CATCH BASIN	GBFD	GRAB BAR FOLD DOWN	PIP	POURED-IN-PLACE	TOC	TOP OF CONCRETE
CEM CER	CEMENT CERAMIC	GC	GENERAL CONTRACTOR	PL	PLATE DI ASTICI AMINATE	TOS	TOP OF SLAB
SER SF	CUBIC FOOT	GL GND	GLASS / GLAZING GROUND	PLAM PLAS	PLASTIC LAMINATE PLASTER	TOW TPD	TOP OF WALL TOILET PAPER DISPENSER
CG	CORNER GUARD	GR	GRADE	PLYWD	PLYWOOD	TPTN	TOILET PARTITION
CH	CEILING HEIGHT	GRV	GRAVEL	PMF	PRESSED METAL FRAMES	TV	TELEVISION
CHAM	CHAMFER	GT	GLASS TILE	POP	POINT OF PRESENCE	TYP	TYPICAL
CHBD	CHALKBOARD	GWB	GYPSUM WALL BOARD	PR	PAIR PRE CAST	110	LINDEDOLIT
CI CI	CAST IRON CONTRACTOR INSTALLED	GWG GYP	GEORGIAN WIRED GLASS GYPSUM	PRCST PREFAR	PRE-CAST PREFABRICATED	UC UG	UNDERCUT UNDERGROUND
CIP	CAST IN PLACE	JIF	OTT OUIVI	PREFAB	PROPERTY	UL	UNDERWRITER'S LABORATORY
CJ	CONTROL JOINT	НВ	HOSE BIB	PRT	PORCELAIN TILE	UNF /	UNFINISHED
CL	CENTER LINE	HC	HOLLOW CORE	PSF	POUNDS PER SQUARE FOOT	UNFIN	LINII EGO OTUERUSE CON
CLG	CEILING	HCP	HANDICAPPED	PSI	POUNDS PER SQUARE INCH	UON UPS	UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUI
CLO CLR	CLOSET CLEAR	HD HDR	HEAVY DUTY HEADER	PT PTD	PAINT PAPER TOWEL DISPENSER	UPS UR	URINAL
CMU	CONCRETE MASONRY UNIT		HARDWARE		PAPER TOWEL DISPENSER &		
CO	CLEAN/CLEAR OUT	HI	HIGH		WASTE RECEPTACLE	V	VOLT
COL	COLUMN	НМ	HOLLOW METAL	PTDF	PRESSURE TREATED DOUGLAS FIR	VAC	VACUUM VADOD DADDIED
CONC	CONCRETE	HMI	HOLLOW METAL INSULATED	PTLB PTN	PUSH TO LOCK BUTTON PARTITION	VB VCT	VAPOR BARRIER VINYL COMPOSITION TILE
CONST	CONSTRUCTION CONTINUOUS	HNDR HOR/	HAND DRYER HORIZONTAL	PTN PTOB	PARTITION PUSH TO OPEN BUTTON	VENT	VINYL COMPOSITION TILE VENTILATE
CORR	CORRIDOR	HOR /	HOMEONIAL	PTR	PAPER TOWEL RECEPTACLE	VERT	VERTICAL
CP	CONCRETE PAVER	HP	HIGH POINT	PVC	POLYVINYL CHLORIDE	VEST	VESTIBULE
CPR	COPPER	HR	HANDRAIL	•	OLIADT7	VIF	VERIFY IN FIELD
CPT	CARPET(ED)(ING)	HT HVAC	HEIGHT HEATING / VENTILATION / AIR	Q QT	QUARTZ QUARRY TILE	VNR VST	VENEER VINYL STAIR TREADS
CT CTH	CERAMIC TILE COAT HOOK	TIVAC	CONDITIONING	QTY	QUARTY TILE QUANTITY	VSTR	VINTYL STAIR TREADS & RISER
CTR	COUNTER	HW	HARDWARE			VTR	VENT THRU ROOF
		HYD	HYDRANT	R	RISER	VWC	VINYL WALLCOVERING
OBL	DOUBLE	ID	INSIDE DIAMETER	RAD	RADIUS	14/	WEST
DEFS	DIRECT APPLIED EXTERIOR FINISH SYSTEM	ID IN	INCH / INCHES	RB RCP	RUBBER BASE REFLECTED CEILING PLAN	W W/	WEST WITH
DEG	DEGREE	INCL	INCLUDE(D) / INCLUDING	RD RD	ROOF DRAIN	W/O	WITHOUT
DEMO	DEMOLISH	INSUL	INSULATE / INSULATION	REF	REFERENCE	WC	WATER CLOSET
DEP	DEPRESSION	INT	INTERIOR	REFR	REFRIGERATOR	WCV	WALLCOVERING
DET	DETAIL	ITGL	INSULATED TEMPERED GLASS	REG	REGISTER	WD	WOOD
OF NA	DRINKING FOUNTAIN	JAN	JANITOR	REINF	REINFORCE(D)	WF	WIDE FLANGE
DIA DIAG	DIAMETER DIAGONAL	JAN JT	JOINT	REQ RESIL	REQUIRED RESILIENT	WH WI	WALL HOSE / HYDRANT WROUGHT IRON
DIAG DIM	DIMENSION		-	RESS	RESILIENT SHEET	WIN	WINDOW
DISP	DISPENSER	KIT	KITCHEN	REST	RESILIENT TILE	WK	WORK
	DIVISION			RET	RETAINING	WNSCT	WAINSCOT
۷۱۷	DOWN	LAB	LABORATORY	REV	REVISE / REVISION	WP	WATERPROOF(ING)
DN		1 4 5 4	· angunin i Eil II	RFG	ROOFING	WPT	WORK POINT
DN DR	DOOR	LAM LAV	LAMINATE(D) LAVATORY				
DN DR DS	DOOR DOWNSPOUT	LAM LAV LB(S)	LAVATORY POUND(S)	RFL	REFLECTED	WR	WATER RESISTANT
DIV DN DR DS DW DWG	DOOR	LAV	LAVATORY				

LIBRARY

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#### REFERENCE SYMBOLS



#### GENERAL NOTES

- 1. PERFORM THE WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE ONTARIO BUILDING CODE, CITY OF TORONTO ACCESSIBILITY DESIGN GUIDELINES OCTOBER 7th 2016 DRAFT AND ANY OTHER APPLICABLE REQUIREMENT OF AUTHORITIES HAVING JURISDICTION AND/OR LEGISLATION, PROVIDED THAT, IN THE CASE OF CONFLICT OR DISCREPANCY.
- 2. THE CONSULTANT IS NOT RESPONSIBLE FOR INFORMATION CONCERNING THE SITE AND SURVEY INFORMATION PREPARED BY OTHERS.
- 3. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND THE ASSOCIATED STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS AND ALL OTHER RELEVANT CONSULTANT DRAWINGS.
- 4. CONTRACTOR TO SITE VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO CONSULTANT.
- 5. CONTRACTOR SHALL VERIFY THE SITE INFORMATION PRIOR TO PROCEEDING WITH THE WORK. FAILURE TO REPORT ANY DISCREPANCIES SHALL CONSTITUTE ACCEPTANCE OF THE SITE CONDITIONS.
- 6. THE CONTRACTOR SHALL REVIEW THE DRAWINGS FOR SCOPE OF DEMOLITION AND NEW WORK, INCLUDING ALL DISCIPLINES, AND SHALL COORDINATE WITH NEW WORK DRAWINGS FOR EXACT EXTENT OF DEMOLITION.
- 7. SCOPE OF WORK SHALL NOT BE LIMITED TO THAT SHOWN ON THE DRAWINGS AND SHALL INCLUDE WORK REQUIRED TO ELIMINATE ALL EXISTING, ABANDONED OR REDUNDANT COMPONENTS, AND TO FACILITATE PROPER EXECUTION OF THE WORK.
- 8. ALL DIMENSIONS, INCLUDING EXISTING DIMENSIONS AND SETTING-OUT GEOMETRIES, SHALL BE SITE VERIFIED BY THE CONTRACTOR PRIOR TO PROCEEDING WITH THE WORK.
- 9. COORDINATE AND PROVIDE APPROPRIATE CUTS TO ALL PARTITIONS FOR THE INSTALLATION OF DOOR FRAMES AS REQUIRED.
- 10. PROVIDE 16-18 GA SHEET METAL REINFORCEMENT INSTALLED ON THE STUDS PRIOR TO INSTALLING THE GYPSUM BOARD IN THE LOCATIONS REQUIRED TO SUPPORT WALL MOUNTED ITEMS.
- 11. ISOLATE ALL MECHANICAL PIPES DUCTS AND EQUIPMENT FROM INTERIOR PARTITIONS TO AVOID ACOUSTIC NOISE TRANSFER.
- 12. MAINTAIN CONTINUITY OF BUILDING ENVELOPE AIR / VAPOUR BARRIER TRANSITIONS AND PENETRATIONS WITH MEMBRANES LAPPED AND APPROVED SEALANTS COMPATIBLE WITH MEMBRANE PRODUCTS USED.
- 13. REINSTATE INTEGRITY OF FIRE SEPARATION WHEN PATCHING. PROVIDE AND INSTALL FIRE STOPPING AND SMOKE SEALS AT ALL NEW SERVICE PENETRATIONS THROUGH FLOORS, WALLS AND CEILINGS IN ACCORDANCE WITH OBC. LATEST EDITION REQUIREMENTS. REFER TO MECHANICAL DRAWINGS FOR ANY FIRE DAMPER REQUIREMENTS.
- 14. ENSURE THAT FOR ALL FIRE SEPARATIONS INDICATED ON THE DRAWINGS, ALL COMPONENTS OF THE ASSEMBLY SHALL BE OF APPROVED MATERIALS, AND INSTALLATION/FABRICATION PROCEDURES ARE PER DIRECTION OF THE INDICATED "UNDERWRITERS LABORATORIES OF CANADA LTD." LATEST EDITION MANUAL AND OTHERWISE MEETING THE REQUIREMENTS OF THE ONTARIO BUILDING CODE. ALL FIRE SEPARATIONS MUST BE CONTINUOUS, AND ALL JOINTS TO BE SMOKE TIGHT. MAINTAIN CONTINUITY OF ALL FIRE SEPARATIONS AND PENETRATIONS WITH APPROVED U.L.C. LISTED FIRE STOPPING SYSTEMS AND FIRE SEALANTS BOTH SIDES OF PARTITIONS.

15. ULC LISTED FIRE-RATED SEALANT IS TO BE APPLIED TO ALL FIRE-RATED PARTITIONS AND LEFT EXPOSED FOR INSPECTION PURPOSES

- 16. FOR ALL SUPPORTS AND CONNECTIONS OF EQUIPMENT PROVIDE SHOP DRAWINGS DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER LICENCED IN THE PROVINCE OF ONTARIO.
- 17. WHERE ITEMS NOTED TO BE DEMOLISHED MEET EXISTING WALLS / CEILING AND/OR FLOOR TO REMAIN, PATCH REPAIR AND MAKE GOOD EXISTING SURFACES. PROVIDE NEW INFILL MATERIAL TO MATCH EXISTING AND. MAINTAIN ALL FIRE RATED WALL CONSTRUCTION
- 18. PROVIDE CUTTING, PATCHING AND CORING OF ALL WALLS, CEILING, ROOF AND OTHER SURFACES AS REQUIRED TO PERFORM THE WORK. PRIOR TO CUTTING OR CORING, SCAN THE SLAB/WALL/ROOF AND COORDINATE DRILLING/CUTTING TO AVOID CUTTING REINFORCING, CONDUITS, WIRING AND OTHER HIDDEN ITEMS. OBTAIN WRITTEN VERIFICATION OF PROPOSED DRILLING AND CUTTING LOCATIONS FROM THE STRUCTURAL ENGINEER.
- 19. PATCH REPAIR AND MAKE GOOD EXISTING FLOOR SLAB.. IDENTIFY ON AS-BUILTS ALL LOCATIONS OF PATCH WORK
- 20. BEFORE COMMENCING WORK, ESTABLISH LOCATION AND EXTENT OF EXISTING SERVICE LINES IN AREA OF WORK AND NOTIFY CONSULTANT OF FINDINGS. WHERE UNKNOWN SERVICES ARE ENCOUNTERED, IMMEDIATELY ADVISE AND CONFIRM FINDINGS IN WRITING.
- 21. PROVIDE FOR DEMOLITION OF INCLUDING BUT NOT LIMITED TO, EXISTING WALLS, FLOORS, CEILINGS, ASSOCIATED FINISHES, MECHANICAL AND ELECTRICAL FIXTURES, DEVICES, DUCTS TO ALLOW FOR NEW WORK TO BE INSTALLED. COORDINATE BETWEEN TRADES FOR REMOVAL.
- 22. CONCEAL ALL MECHANICAL AND ELECTRICAL WORK IN WALLS AND CEILINGS, EXCEPT AS INDICATED OTHERWISE OR APPROVED.
- 23. VAPOUR BARRIER TO BE CONTINUOUS UNDER ALL NEW FLOOR SLABS. PATCH ALL CONCRETE CORE TEST AREAS, DEFECTS AND DEMOLITION LOCATIONS.
- 24. ALL SPECIFIED MATERIALS SHALL BE INSTALLED AND FINISHED IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS. SHOULD SUCH INSTRUCTIONS DIFFER FROM THE SPECIFICATIONS OR DETAILS, ADVISE CONSULTANT IMMEDIATELY FOR DIRECTION.
- 25. DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL SIMILAR CONDITIONS UNLESS NOTED OR DETAILED OTHERWISE
- 26. BRING ALL OMISSIONS AND DISCREPANCIES, INCLUDING DIMENSIONS, TO THE ATTENTION OF THE CONSULTANT PRIOR TO COMMENCEMENT OF ANY WORK.
- 27. FULLY COORDINATE ALL ADDITIONAL SUPPORT REQUIRED FOR ANCHORAGE OF MECHANICAL EQUIPMENT OR DUCTS AND ELECTRICAL FIXTURES/EQUIPMENT. PROVIDE SEISMIC RESTRAINT DRAWINGS STAMPED BY A THIRD PARTY PROFESSIONAL ENGINEER LICENCED IN THE PROVINCE OF ONTARIO.
- 28. WALL ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF ROOF OR STRUCTURE ABOVE UNLESS NOTED OR DETAILED OTHERWISE
- 29. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF ALL ELECTRICAL EQUIPMENT, CONDUIT, LIGHTING AND RECEPTACLE LOCATIONS.
- 30. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF ALL MECHANICAL EQUIPMENT AND PROVISIONS.
- 30. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF ALL MECHANICAL EQUIPMENT AND PROVISIONS

  31. REFER TO STRUCTURAL DRAWINGS FOR LOCATION AND SIZING OF ALL STRUCTURAL ELEMENTS
- 32. DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.
- 33. REMOVAL AND DISPOSAL OF HAZARDOUS MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL REGULATIONS AND AUTHORITIES HAVING JURISDICTION.
- 34. UNLESS NOTED OTHERWISE, MAKE GOOD ALL AREAS DISTURBED BY EXCAVATION AND/OR INSTALLATION OF CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL SERVICES. REFER TO CIVIL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
- 35. PROPER HOARDING AROUND ALL NEW EXTERIOR WORK LOCATIONS TO BE PROVIDED.



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M5V 3C6

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 ISSUES
 ISSUES

 No.
 DESCRIPTION
 DATE

 A
 50% SUBMISSION
 2022-01-20

 B
 90% SUBMISSION
 2022-02-22

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 ISSUED FOR PERMIT
 2022-03-18

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CONSULTANTS

SEAL

PRIME CONSULTANT

ARCADIS

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PROJECT TITLE
CITY OF TORONTO

CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO: 9119- 19- 0162 / Arcadis 302700

9119- 19- 0162 / Arcadis 30279056

DRAWN BY: CHECKED BY:

A. BOYNARIAN L. BANDIERA

PROJECT MGR: APPROVED BY:

F.BOLOURIAN E. FENUTA

SHEET TITLE

GENERAL NOTES,

ABBREVIATIONS &

REFERENCE SYMBOLS

G03-GAL-G0002 D

EAST

EACH

### CONCRETE BLOCK **ASSEMBLY** DESCRIPTION FRR TYPE NO. - 90mm CONCRETE BLOCK NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE 1.0 HR - 140mm CONCRETE BLOCK NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE OBC SB-2 - 190mm CONCRETE BLOCK 48 NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE OBC SB-2 - 240mm CONCRETE BLOCK 49 LIGHT WEIGHT TO U/S OF DECK/ SLAB ABOVE - 305mm CONCRETE BLOCK NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE

#### **WALL TYPE NOTES:**

- 1. ACOUSTIC BATT INSULATION TO EXTEND FULL HEIGHT OF WALL ASSEMBLIES UNLESS NOTED OTHERWISE.
- 2. PROVIDE MOISTURE RESISTANT GYPSUM BOARD ON ALL WALLS OF WASHROOMS, KITCHEN AREAS AND BEHIND DRINKING FOUNTAINS.
- 3. PROVIDE TILE BACKER BOARD BEHIND ALL CERAMIC TILE APPLICATIONS.
- 4. ANY PENETRATIONS THROUGH FIRE RATED WALLS SHOULD BE PROTECTED WITH ULC LISTED FIRE STOPPING.
- 5. AT FIRE RATED WALLS AND SMOKE BARRIERS ABOVE ACCESSIBLE CEILING, PROVIDE IDENTIFICATION SIGNAGE, SPACED AT NOT MORE THAN 9 METRE MEASURED HORIZONTALLY, INDICATING "FIRE AND/OR SMOKE BARRIER PROTECT OPENINGS AS PER OBC 3.1.9".
- 6. PROVIDE FIRE BLOCKING IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS VERTICALLY AT THE CEILING AND FLOOR LEVELS AND HORIZONTALLY.
- 7. FURRING WALLS AROUND COLUMNS, SHAFTS AND PIPING THAT ARE ALSO DEMISING WALLS BETWEEN ROOMS SHALL GO TO U/S OF DECK/ SLAB ABOVE AND CARRY ACOUSTIC INSULATION CONTINUITY FROM ADJACENT WALLS.

#### **METAL STUD - DRYWALL** TYPE NO. **ASSEMBLY DESCRIPTION** FRR STC 16mm FIRE RATED GYPSUM BOARD 1.0 HR 38 92mm METAL STUDS @ 400 O.C. W2 ULC (OBC 16mm FIRE RATED GYPSUM BOARD W407 S4C) - EXTEND WALL TO U/S OF DECK 16mm GYPSUM BOARD W2a 92mm METAL STUDS @ 400 O.C. - 16mm GYPSUM BOARD 16mm FIRE RATED GYPSUM BOARD 1.0 HR 92mm METAL STUDS @ 400 O.C. MAXIMUM W2b 92mm ACOUSTIC / THERMAL NON COMBUSTIBLE BATT INSULATION W407 16mm FIRE RATED GYPSUM BOARD - EXTEND WALL TO U/S OF DECK 16mm GYPSUM BOARD 92mm METAL STUDS @ 400 O.C. - 92mm ACOUSTIC / THERMAL NON COMBUSTIBLE BATT INSULATION 16mm GYPSUM BOARD EXTEND WALL TO U/S OF DECK - 2 LAYERS OF 16mm FIRE RATED GYPSUM BOARD - 92mm METAL STUDS @ 400 O.C. MAXIMUM 2.0 HR - 92mm ACOUSTIC / THERMAL NON COMBUSTIBLE BATT W2d ULC INSULATION W414 - 2 LAYERS OF 16mm FIRE RATED GYPSUM BOARD - EXTEND WALL TO U/S OF DECK 16mm GYPSUM BOARD · 152mm METAL STUDS @ 400 O.C. · 152mm ACOUSTIC / THERMAL NON COMBUSTIBLE BATT (OBC INSULATION S7A) 16mm GYPSUM BOARD - EXTEND WALL TO U/S OF DECK 16mm GYPSUM BOARD · 152mm METAL STUDS @ 400 O.C. 16mm GYPSUM BOARD - 2 LAYERS OF 16MM GYPSUM BOARD - 92mm METAL STUDS @ 400 O.C. W2g (OBC - 92mm ACOUSTIC / THERMAL NON COMBUSTIBLE BATT INSULATION S5B) 16mm GYPSUM BOARD - EXTEND WALL TO U/S OF DECK ELIDDING WALL TYDES INTEDNAL

FURRING WALL TYPES - INTERNAL							
TYPE NO.	ASSEMBLY	DESCRIPTION	FRR				
W3a	<u> </u>	38mm FURRING - TO 150mm ABOV FIN. CEILING - 16mm GYPSUM BOARD - 22mm MIN HAT CHANNEL @ 400 O.C.					
W3b	8	80mm FURRING - TO 150mm ABOV FIN. CEILING - 16mm GYPSUM BOARD - 64mm MIN STEEL STUDS @ 400 O.C.					
W3c	108	108mm FURRING - TO 150mm ABOV FIN. CEILING UNLESS OTHERWISE NOTED - 16mm GYPSUM BOARD - 92mm MIN STEEL STUDS @ 400 O.C.					
W3d	108	108mm FURRING - TO 150mm ABOV FIN. CEILING UNLESS OTHERWISE NOTED - 16mm GYPSUM BOARD - 92mm MIN STEEL STUDS @ 400 O.C 92mm ACOUSTIC NON COMBUSTIBLE BATT INSULATION					

	SHAFT WALL TYPES - INTERNAL									
TYPE NO.	ASSEMBLY	DESCRIPTION	FRR	STC						
W4a		-25.4mm FIRE RATED GYPSUM BOARD -102mm "C-H" SHAPED STUD @600 O.C. - 16mm FIRE RATED GYPSUM BOARD TO U/S OF DECK/ SLAB ABOVE	1.0 HR ULC W452							
W4b	25 	-25.4mm FIRE RATED GYPSUM BOARD -102mm "C-H" SHAPED STUD @600 O.C 102mm ACOUSTIC / THERMAL NON COMBUSTIBLE BATT INSULATION - 19.1mm FIRE RATED GYPSUM BOARD TO U/S OF DECK/ SLAB ABOVE	2.0 HR ULC W508	52						



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В	90% SUBMISSION	2022-02-22
С	ISSUED FOR PERMIT	2022-03-18
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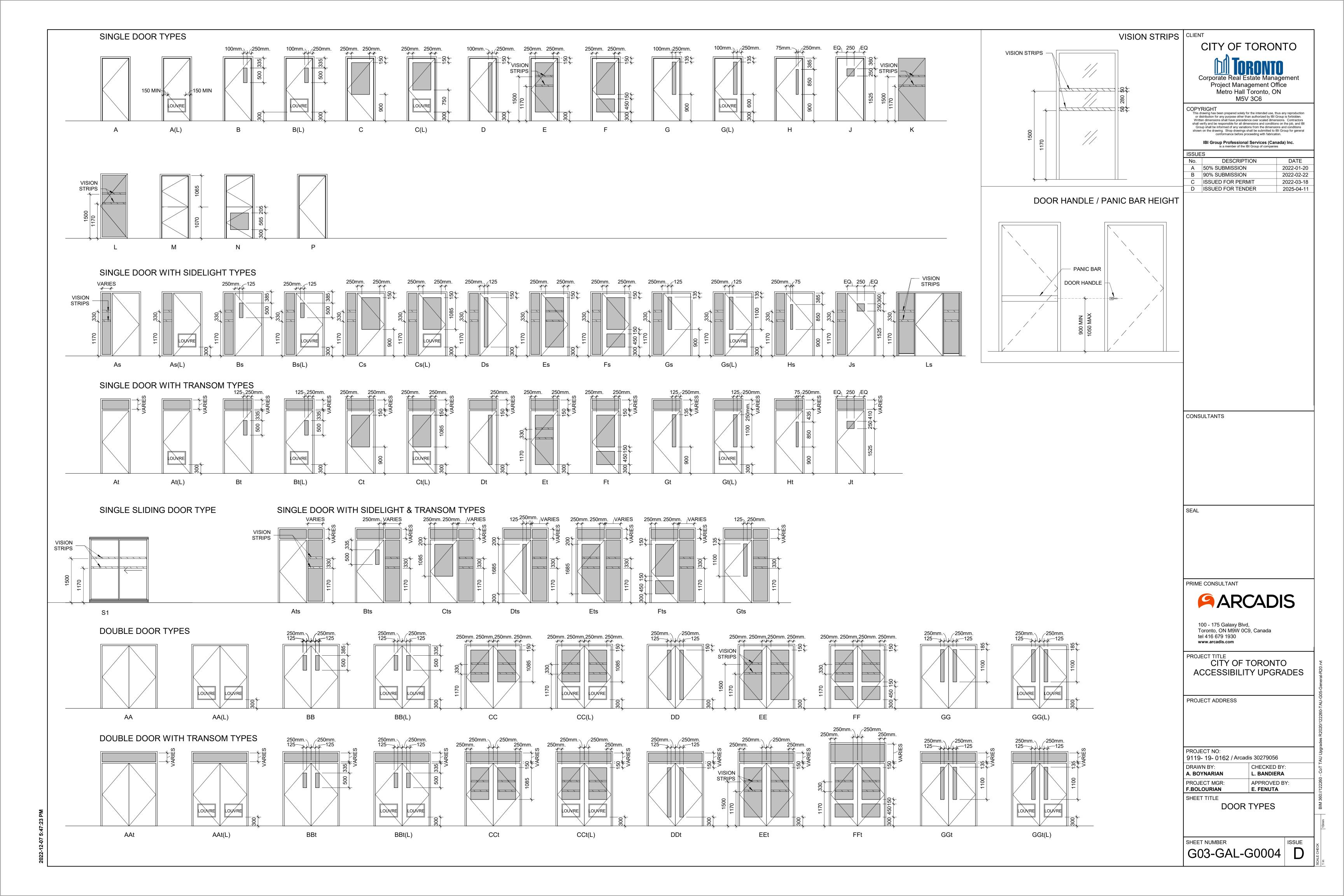
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PROJECT MGR: APPROVED BY: F.BOLOURIAN E. FENUTA

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#### GENERAL:

- 1. DO NOT SCALE THE DRAWINGS.
- 2. THE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS, ALL RELATED ARCHITECTURAL, MECHANICAL, ELECTRICAL, PROCESS & CIVIL DRAWINGS, AND OTHER RELEVANT
- 3. CONTRACTOR SHALL PROVIDE COMPLETE SET OF ARCHITECTURAL, MECHANICAL, ELECTRICAL CIVIL & PROCESS DRAWINGS & APPLICABLE SPECIFICATION SECTIONS TO THE STRUCTURAL STEEL, JOIST & METAL FABRICATIONS CONTRACTORS PRIOR TO SUBMISSION OF ANY RELATED
- 4. THE DESIGN AND CONSTRUCTION OF ALL WORK ON THIS PROJECT IS TO CONFORM TO THE 2012 EDITION OF THE ONTARIO BUILDING CODE (REGULATION 332/12).
- 5. THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE SITE AND REPORT TO THE ENGINEER ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROPER COMPLETION, COST, SCHEDULE OR QUALITY OF WORK. COMMENCEMENT OF WORK BY THE CONTRACTOR
- IMPLIES ACCEPTANCE OF THE EXISTING CONDITIONS. 6. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, UNDERGROUND UTILITIES AND OTHER EXISTING SERVICES DURING CONSTRUCTION, AND MAKE GOOD ANY DAMAGE RESULTING
- 7. THE CONTRACTOR SHALL PROVIDE, MAINTAIN AND TAKE RESPONSIBILITY FOR ALL TEMPORARY BRACING AND SHORING.

FROM THE WORK ON THIS PROJECT TO THE SATISFACTION OF THE OWNER AND ENGINEER.

- 8. TYPICAL DETAILS SHOWN ON DRAWINGS SHALL GOVERN THE WORK. IF DETAILS DIFFER ON OTHER DRAWINGS, THE MOST STRINGENT SHALL GOVERN.
- 9. WORK NOT INDICATED ON A PART OF THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE REPEATED.
- 10. UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, THE CORING OR CUTTING OF OPENINGS AND HOLES SHOWN ON THE STRUCTURAL DRAWINGS THROUGH THE EXISTING STRUCTURE SHALL NOT CUT ANY REINFORCING BARS. THE CONTRACTOR SHALL LOCATE THE LOCATION, SIZE, LENGTH, ORIENTATION AND POSITION OF EXISTING REINFORCING AND PROVIDE IBI WITH HARD COPIES OF SUCH FOR OUR REVIEW IN THE VICINITY OF THE HOLES AND SLEEVES TO BE CUT OR CORED, AND THE HOLES AND SLEEVES SHALL BE LOCATED TO AVOID CUTTING OF REINFORCING BARS.
- 11. NEW OPENINGS OR CORING TO BE CUT THROUGH EXISTING FLOOR SLAB OR WALLS SHALL BE CLEARLY MARKED OUT BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY IBI ONCE THE MARKING OUT HAS BEEN COMPLETED SO THAT IBI CAN REVIEW THE PROPOSED LOCATIONS OF ALL NEW OPENINGS. DO NOT PROCEED WITH CUTTING OF NEW OPENINGS WITHOUT THE APPROVAL OF IBI.
- 12. UNLESS NOTED OTHERWISE ON THE DRAWINGS NEW STRAIGHT SIDED OPENINGS THROUGH EXISTING SLABS AND WALLS SHALL BE SAWCUT WITH NO OVERCUTS. USE CORED HOLES AT THE CORNERS. JACKHAMMERING SHALL NOT BE PERMITTED REFER TO THE DETAILS AND PROCEDURES INDICATED ON THE STRUCTURAL DRAWINGS FOR THE NEW OPENINGS. ALTERNATES TO THE ABOVE PROCEDURE MUST BE REVIEWED BY IBI PRIOR TO THE START OF DEMOLITION OR CONSTRUCTION.

#### DESIGN CRITERIA:

- 1. STRUCTURE HAS BEEN DESIGNED TO RESIST WIND AND SEISMIC LOADS WHICH ARE IN ACCORDANCE WITH THE USER'S GUIDE - NBC 2015 STRUCTURAL COMMENTARIES (PART 4 OF DIVISION B), FOR THE IMPORTANCE CATEGORY STATED IN NOTE #12, THE WIND AND SEISMIC PARAMETERS FOUND IN NOTE #13, AND FOR SITE CLASS D,  $F_a = 1.24$ ,  $F_v = 1.55$ ,  $I_E F_a S_a(0.2) = 0.271$ R<sub>d</sub> = 1.5, R<sub>o</sub> = 1.3 (CONVENTIONAL CONSTRUCTION OF MOMENT-RESISTING FRAMES AND BRACED FRAMES), AND NO IRREGULARITIES, USING STATIC ANALYSIS IN BOTH DIRECTIONS.
- 2. LATERAL LOADS DUE TO WIND AND SEISMIC FORCES ACT THROUGH THE METAL ROOF DECK DIAPHRAGM, AND ARE RESISTED BY MOMENT-RESISTING FRAMES IN THE NORTH-SOUTH DIRECTION AND BY BRACED FRAMES IN THE EAST-WEST DIRECTION.
- 3. ROOF ELEMENTS SUCH AS JOISTS, JOISTS GIRDERS, METAL DECK, ETC. AND THEIR CONNECTIONS
- ROOF STRUCTURE (INCLUDING JOISTS AND JOIST GIRDERS) IS TO BE DESIGNED FOR PONDING INCLUDING PONDING INSTABILITY. MAXIMUM DESIGN PONDING DEPTH AT ROOF DRAINS TO BE
- 5. AS A MINIMUM, WIND LOADS SHALL BE CALCULATED ON THE BASIS OF OPEN TERRAIN AND BUILDING CATEGORY 3 AS DEFINED IN THE USER'S GUIDE - NBC 2015 STRUCTURAL COMMENTARIES (PART 4 OF DIVISION B). IF OTHER PROVISIONS OF SAID COMMENTARIES RESULT IN HIGHER WIND LOADS AND/OR MORE STRINGENT WIND EFFECTS, THESE LOADS AND EFFECTS SHALL BE CONSIDERED IN THE DESIGN.
- 6. ALL LOADS SHOWN ON DRAWINGS ARE SPECIFIED (NO LOAD FACTOR APPLIED) LOADS UNLESS NOTED OTHERWISE. HOWEVER, (ULS) IMPORTANCE FACTORS ARE APPLIED, UNLESS NOTED
- 7. ALL LOAD EFFECTS (AXIAL FORCES, SHEARS. MOMENTS AND TORSIONS) ARE FACTORED, UNLESS OTHERWISE NOTED.
- 8. DESIGN SPECIFIED (UNFACTORED) DEAD AND LIVE LOADS ARE SHOWN ON THE DRAWINGS.
- 9. STRUCTURES ARE NOT STABLE UNTIL ALL COMPONENTS (INCLUDING BUT NOT LIMITED TO MOMENT CONNECTIONS, BRACING, FLOOR & ROOF DECK AND SHEATHING) ARE CONSTRUCTED.

10. MATE	STRUCTURAL STEEL:  COLD-FORMED STEEL:		CAN/CSA-G40.20/G40.21. GRADE 350W FOR W-SECTIONS, GRADE 300W FOR OTHERS.		
			YIELD STRENGTH = 350 MPa MIN.		
	HOLLOW S	STRUCTURAL S (HSS):	CONFORM TO CAN/CSA G40-20/G40.21-M GRADE 350W, CLASS C.		
	WELDING:		E49XX ELECTRODES.		
	BOLTS, NU WASHERS		CONFORM TO ASTM A325.		
	ANCHOR E	BOLTS:	CONFORM TO ASTM F1554 GRADE 36, UNLESS NOTED OTHERWISE		
	PRIMER: REINFORCING STEEL:		SEE SPECIFICATION.		
			DEFORMED CONCRETE REINFORCING BARS CONFORMING TO CAN/CSA-G30.18, GRADE 400R OR 400W, UNLESS NOTED OTHERWISE. WHERE WELDABLE REINFORCING STEEL IS SPECIFIED, IT SHALL BE GRADE 400W, UNLESS NOTED OTHERWISE.		
	WOOD:	LUMBER:	GRADED TO NLGA RULES NO.1/NO.2 S-DRY, UNLESS NOTED OTHERWISE. MSR GRADE FOR TRUSSES AS REQUIRED.		
		GLULAM:	CSA 0122 SP GRADE 20FE BENDING STRESS, UNLESS NOTED OTHERWISE. 12CE COMPRESSION STRESS, UNLESS NOTED OTHERWISE.		

PLYWOOD: CSA 0151 SOFTWOOD EXTERIOR GRADE.

- 12. STRUCTURE HAS BEEN ASSIGNED THE 1 IMPORTANCE CATEGORY, AS DEFINED IN THE APPLICABLE EDITION OF THE ONTARIO BUILDING CODE.
- 13. STRUCTURES HAVE BEEN DESIGNED CONSIDERING THE FOLLOWING CLIMATIC AND SEISMIC DATA:

WIND	SEISMIC	SNOW	RAIN
q 1/50 = 0.47	Sa(0.2) = 0.190 Sa(0.5) = 0.110 Sa(1.0) = 0.068 Sa(2.0) = 0.022 PGA = 0.076	Ss = 1.2 Sr = 0.4	ONE DAY = 92

- 14. THE STRUCTURE HAS BEEN DESIGNED FOR FUTURE EXPANSION AS SHOWN.
- 15. NO STRUCTURES HAVE BEEN DESIGNED FOR FUTURE EXPANSION.

#### **CONCRETE**:

- 1. THE DESIGN AND CONSTRUCTION OF ALL WORK ON THIS PROJECT SHALL CONFORM TO THE APPLICABLE EDITION OF THE FOLLOWING CSA STANDARDS: CSA-A23.1 "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION"; CSA-A23.2 "TEST METHODS AND STANDARD PRACTICES FOR CONCRETE"; CSA-A23.3 "DESIGN OF CONCRETE STRUCTURES";
- 2. UNLESS NOTED OTHERWISE, MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS:

CAN/CSA-G30.18 "BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT"

- LEAN CONCE	ETE FILL	 15 MPa	а	
		 _		CLASS F-1)
- PIERS, WALL	S & CURBS	 35 MPa	a (EXPOSURE	CLASS C-1)
- SLABS ON GF	RADE (EXTERIOR)	 35 MF	Pa (EXPOSURE	E CLASS C-1)
- EXTERIOR AF	PRONS	 35 MPa	a (EXPOSURE	CLASS C-1)

3. MINIMUM CONCRETE COVER TO REINFORCING BARS:

CONCRETE CLEAR COVER (CSA A23.1							
EXPOSURE CONDITION	E	EXPOSURE CLASS					
EXI GOOKE GONDITION	N	F-1	C-1				
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, INCLUDING FOOTINGS AND PILES	75 mm	75 mm	75 mm				
BEAMS, GIRDERS, COLUMNS AND PILES	30 mm (#1)	40 mm	60 mm				
SLABS, WALLS, JOISTS, SHELLS AND FOLDED PLATES	20 mm (#1)	40 mm	60 mm				
RATIO OF COVER TO NOMIMAL BAR DIAMETER (#2)	1.0 (#1)	1.5	2.0				
RATIO OF COVER TO NOMIMAL MAXIMUM AGGREGATE SIZE	1.0 (#1 & #3)	1.5	2.0				

- #1. THIS REFERS ONLY TO CONCRETE THAT WILL BE CONTINUALLY DRY WITHIN THE CONDITIONED SPACE (i.e., MEMBERS ENTIRELY WITHIN THE VAPOUR BARRIER OF THE BUILDING ENVELOPE).
- #2. THE COVER FOR A BUNDLE OF BARS SHALL BE THE SAME AS THAT FOR A SINGLE BAR WITH AN EQUIVALENT AREA.
- #3. THE SPECIFIED COVER FROM SCREEDED SURFACES SHALL BE AT LEAST 1.5 TIMES THE NOMINAL MAXIMUM AGGREGATE SIZE TO REDUCE INTERFERENCE BETWEEN AGGREGATE AND REINFORCEMENT WHERE VARIATIONS IN BAR PLACEMENT RESULT IN A COVER SMALLER THAN
- 4. DETAIL, BEND, PLACE AND SUPPORT REINFORCING STEEL IN CONFORMANCE WITH THE LATEST RSIC MANUAL OF STANDARD PRACTICE, UNLESS NOTED OTHERWISE.
- 5. ALTERNATE 90° HOOKS OF CROSSTIES END FOR END OVER HEIGHT OF ALL MEMBERS IN WHICH CROSSTIES ARE SPECIFIED.
- 6. ALL LAP SPLICES SHALL BE CLASS B TENSION SPLICES. FOR HORIZONTAL REINFORCEMENT THAT WILL BE PLACED IN SUCH A WAY THAT MORE THAN 300 mm OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE SPLICE, BAR LOCATION FACTOR (k/1) EQUAL TO 1.3 SHALL BE APPLIED IN DETERMINING CLASS B TENSION SPLICE LENGTH, IN ACCORDANCE WITH APPLICABLE EDITION OF CSA-A23.3.
- 7. PLAIN (UNREINFORCED) CONCRETE EXPOSED TO DEICING CHEMICALS SHALL MEET EXPOSURE CLASS C-2 IN ACCORDANCE WITH APPLICABLE EDITION OF CSA-A23.1.
- 8. REINFORCED CONCRETE EXPOSED TO CHLORIDES SHALL MEET EXPOSURE CLASSIFICATION C-1 IN ACCORDANCE WITH APPLICABLE EDITION OF CSA-A23.1.
- 9. PROVIDE CORROSION INHIBITOR IN ALL CONCRETE OF EXPOSURE CLASS C-1. REFER TO SPECIFICATIONS FOR CORROSION INHIBITOR DOSAGE RATE.
- 10. USE TYPE GU PORTLAND CEMENT FOR ALL CONCRETE, UNLESS NOTED OTHERWISE.
- 11. ALL HORIZONTAL WALL AND GRADE BEAM REINFORCING SHALL BE CONTINUOUS THROUGH
- PIERS. UNLESS NOTED OTHERWISE, SPLICE TOP BARS AT MID-SPAN AND BOTTOM BARS AT SUPPORTS FOR ALL GRADE BEAMS.
- OR WALLS, PROVIDE ADDITIONAL REINFORCING STEEL EQUAL TO THE REINFORCING STEEL DISPLACED BY THE OPENING UNLESS OTHERWISE SHOWN. DISTRIBUTE REINFORCEMENT EQUALLY ON EACH SIDE OF THE OPENING AND EXTENDING THE FULL SPAN LENGTH. 13. NO SLEEVES, PIPES, HOLES OR NOTCHES SHALL BE PLACED IN OR THROUGH WALLS, COLUMNS,

12. WHEREVER OPENINGS OCCUR, INTERRUPTING ONE OR MORE REINFORCING BARS, IN SLABS

- PIERS, BEAMS, GRADE BEAMS, SLABS, FOOTINGS, OR ANY OTHER CONCRETE MEMBER, EXCEPT AS SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ENGINEER.
- 14. DO NOT PLACE CONCRETE FOOTINGS OR ANY OTHER CONCRETE MEMBER UNTIL ALL DESIGNATED REINFORCING STEEL HAS BEEN PLACED AND INSPECTED AND ANY CONDUITS, PIPING OR OTHER EMBEDDED ITEMS ARE INSTALLED AND VERIFIED.
- 15. MAXIMUM WATER-TO-CEMENTING MATERIALS RATIO (w/cm) SHALL BE 0.55, AND MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE 25 MPa FOR ALL CONCRETE FLOOR SLABS (BOTH SLABS ON GRADE AND SLABS ON DECK).

#### FOUNDATION:

- 1. ALL INT. FOOTINGS SHALL BEAR ON NATIVE MATERIAL OR ENGINEERED FILL WITH MINIMUM SLS BEARING RESISTANCE OF 150 kPa AND MINIMUM ULS BEARING RESISTANCE OF 200 kPa. NOTED OTHERWISE.
- 2. ALL EXT. FOOTINGS SHALL BEAR ON SUITABLE FOUNDING MATERIAL WITH MINIMUM SLS BEARING RESISTANCE OF 150 kPa, MINIMUM ULS BEARING RESISTANCE OF 200 kPa, FRICTION ANGLE OF AT LEAST 35 ° AND MINIMUM FACTORED SLIDING RESISTANCE OF 150 . MAX. ALLOWABLE TOTAL SETTLEMENT TO BE 25 mm. MAX. ALLOWABLE DIFFERENTIAL SETTLEMENT TO BE 25 mm.
- BEARING VALUES AND GEOTECHNICAL INFORMATION ARE BASED ON GEOTECHNICAL REPORT SEE PER BUILDING NOTES IF APPLICABLE
- 4. THE CONTRACTOR SHALL PROTECT SOIL FROM WATER AND FREEZING ADJACENT TO AND BELOW ALL FOOTINGS, GRADE BEAMS AND OTHER CONCRETE POURS WITH MINIMUM 1200 mm SOIL COVER OR EQUIVALENT.
- 5. ALL EXCAVATIONS AND FOUNDING MATERIAL SHALL BE INSPECTED AND APPROVED BY A QUALIFIED SOILS ENGINEER PRIOR TO CONCRETE PLACEMENT.
- 6. THE CONTRACTOR SHALL PROVIDE ALL SHORING WHERE REQUIRED DURING EXCAVATION TO PREVENT CAVE-IN.
- 7. EXCAVATION SHALL NOT EXTEND BELOW A LINE EXTENDING DOWN AND AWAY FROM ANY FOOTING EDGE OR CORNER AT A RATIO OF 7 VERTICAL TO 10 HORIZONTAL.
- 8. ANY OVER EXCAVATION NECESSITATED BY LOCAL SOFT AREAS OR OTHER DELETERIOUS
- 9. FOUNDATION WALL BACKFILL SHALL BE OPSS TYPE 1 GRANULAR 'B' OR APPROVED FREE-DRAINING, IN-SITU MATERIAL COMPACTED, IN LAYERS NOT TO EXCEED 200 mm, TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY.

CONDITIONS SHALL BE MADE GOOD WITH 15 MPa LEAN CONCRETE FILL.

- 10. BACKFILL TO PROCEED SIMULTANEOUSLY ON BOTH SIDES OF FOUNDATION WALLS UNLESS TEMPORARY SUPPORT IS PROVIDED. DO NOT BACKFILL UNTIL CONCRETE HAS ATTAINED 75% OF ITS SPECIFIED 28-DAY COMPRESSIVE STRENGTH.
- 11. CONSTRUCTION JOINTS AND CONTROL JOINTS IN REINFORCED FOUNDATION WALLS SHALL BE LOCATED AT THE EDGE OF PIERS (WHERE PIERS ARE PRESENT). MAXIMUM SPACING OF CONSTRUCTION JOINTS SHALL BE AS REQUIRED, BUT NOT GREATER THAN 20 m. UNLESS NOTED OTHERWISE. MAXIMUM SPACING OF CONTROL JOINTS SHALL BE 6 m, AND 3 m FROM CORNERS.
- 12. FOUNDATIONS SHALL BE CONSTRUCTED AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL INCLUDE IN THEIR WORK ALL PROVISIONS, INCLUDING BUT NOT LIMITED TO EXCAVATION AND FORMING, AS REQUIRED TO CONSTRUCT FOUNDATIONS THUS.

#### SLAB ON GRADE & PAD:

- SEE PLAN FOR SLAB ON GRADE & PAD THICKNESS.
- 2. PLACE SLAB ON GRADE ON MIN. 200 mm OPSS GRANULAR 'A' COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.
- 3. PRIOR TO PLACING GRANULAR FILL MATERIALS, PROOF-ROLL EXISTING SUB-GRADE TO IDENTIFY INCONSISTENCIES OR SOFT AREAS. PROCEED WITH GRANULAR PLACEMENT ONLY AFTER THESE AREAS HAVE BEEN REWORKED AND COMPACTED TO THE SATISFACTION OF THE SOILS ENGINEER.
- 4. DO NOT PLACE CONCRETE UNTIL ALL ELECTRICAL, MECHANICAL AND PROCESS CONDUITS. PIPING OR OTHER EMBEDDED SERVICES ARE INSTALLED AND VERIFIED.
- AGREE ON LOCATION OF CONSTRUCTION JOINTS WITH ENGINEER PRIOR TO CONSTRUCTION.
- 6. PROVIDE SAWCUT CONTROL JOINTS AS SHOWN ON PLANS.
- 7. PROVIDE EXTERIOR COLUMN ISOLATION JOINTS AND SAWCUTTING AS PER DETAILS SHOWN.
- 8. PERFORM SAWCUTTING FOR CONTROL JOINTS USING DRY METHOD (SOFF-CUT SAW) AS SOON AS POSSIBLE AFTER CONCRETE PLACEMENT WITHOUT LEAVING TREAD MARKS. DISLODGING AGGREGATE AND BEFORE UNCONTROLLED SHRINKAGE OCCURS. FILL CONTROL JOINTS, AS SPECIFIED, NO SOONER THAN 120 DAYS AFTER CONCRETE PLACEMENT.
- FLOOR FINISH: SEE SPECIFICATIONS.

#### METAL DECK:

- ALL METAL DECK SHALL BE NEW AND SHALL BE DESIGNED. FABRICATED AND INSTALLED TO CONFORM TO THE REQUIREMENTS OF THE APPLICABLE EDITION OF CAN/CSA-S136 "NORTH AMERICAN SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS (USING THE APPENDIX B PROVISIONS APPLICABLE TO CANADA)" AND THE REQUIREMENTS OF THE CANADIAN SHEET STEEL BUILDING INSTITUTE.
- ALL ROOF AND FLOOR DECK SHALL BE DESIGNED AND DETAILED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF ONTARIO, AND SHALL BE OF THICKNESS REQUIRED TO SUPPORT ALL LOADS AND EFFECTS SHOWN ON DRAWINGS BUT SHALL NOT BE LESS THAN THAT SHOWN ON DRAWINGS. AFOREMENTIONED DESIGN SHALL INCLUDE APPLICABLE SEISMIC LOADS & EFFECTS. REFER TO SPECIFICATION FOR COATING.
- SPAN DECK UNITS OVER FOUR OR MORE STRUCTURAL SUPPORTS (MINIMUM 3 CONTINUOUS SPANS) FOR INCREASED RIGIDITY.
- 4. DESIGN AND CONNECT METAL EDGE AND CLOSURE STRIPS TO SAFELY RESIST CONSTRUCTION LOADS AND PREVENT THE LOSS OF CONCRETE/GROUT WHEN DECK IS CONCRETED.
- 5. PLACE DECK IN ACCORDANCE WITH MANUFACTURER'S SHOP DRAWINGS. END LAPS SHALL ALWAYS OCCUR OVER SUPPORTS. SIDE LAPS SHALL BE ON HALF CORRUGATION. MINIMUM ROOF DECK END LAP IS 50 mm FOR WELDED ATTACHMENT
- 6. ALL CONNECTIONS OF ROOF DECK TO SUPPORTING STRUCTURE SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF ONTARIO TO RESIST ALL LOADS AND EFFECTS SHOWN ON DRAWINGS, BUT SHALL NOT BE LESS THAN THAT SHOWN ON DRAWINGS.
- 7. ATTACH DECK UNITS TO TOP OF SUPPORTS BY FUSION WELDS WITH A MINIMUM EFFECTIVE DIAMETER OF 19 mm. MAXIMUM SPACING OF FUSION WELDS AND SIDE LAP BUTTON CLINCH SHALL BE AS FOLLOWS:
- WELDS AT 150 C/C (EACH FLUTE) TRANSVERSE TO SPAN OF DECK AND AROUND PERIMETER.
- LONGITUDINAL WELDS @ 600 C/C - SIDE LAP BUTTON CLINCH @ 300 C/C
- FIELD CUTTING OF DECK UNITS SHALL BE DONE IN WORKMANLIKE MANNER. CUT OPENINGS AND REINFORCE EDGES AS REQUIRED FOR PIPES, DUCTS, ETC. THE MAXIMUM SIZE OF AN UNREINFORCED OPENING IS 150 mm SQUARE OR IN DIAMETER. ROOF OPENINGS LARGER THAN 450 mm WIDE AND FLOOR OPENINGS LARGER THAN 300 mm WIDE SHALL BE SUPPORTED BY STEEL FRAMING.
- 9. DESIGN METAL ROOF DECK FOR MAXIMUM LIVE, SNOW AND RAIN LOAD DEFLECTIONS OF L/360.

#### MASONRY:

- 1. THE DESIGN AND CONSTRUCTION OF ALL WORK ON THIS PROJECT IS TO CONFORM TO APPLICABLE EDITION OF CSA STANDARDS CSA-S304.1, CSA-A370, CSA-A371, CSA-A179 AND CAN/CSA-G30.18. PROVIDE TYPE S MORTAR IN ACCORDANCE WITH APPLICABLE EDITION OF CSA STANDARD CSA-A179.
- 2. PROVIDE STANDARD, HOLLOW 15 MPa CONCRETE BLOCK UNITS UNLESS NOTED OTHERWISE. AT LOCATIONS WHERE VERTICALLY-REINFORCED MASONRY IS SPECIFIED, PROVIDE ONE ADDITIONAL VERTICAL BAR OF SIZE EQUAL TO DISTRIBUTED VERTICAL REINFORCING, FULL HEIGHT AT EACH SIDE OF CONTROL JOINTS, AND AT CORNERS, INTERSECTIONS, ENDS OF WALLS AND TO EACH SIDE OF ALL OPENINGS. UNLESS NOTED OTHERWISE, PROVIDE 2 ADDITIONAL BARS WHERE OPENING WIDTH IS GREATER THAN 1200 mm. PROVIDE MATCHING DOWELS TO FOOTING, SLAB THICKENING, SLAB ON DECK OR OTHER SUPPORTING STRUCTURE, FOR ALL VERTICAL WALL REINF. (TYP. U/N).
- 3. FOR HIGH-LIFT GROUTING, PROVIDE CLEAN-OUT HOLES IN BOTTOM COURSE AND MINIMUM SLUMP OF 200 mm.
- 4. MASONRY GROUT SHALL BE FINE GROUT, AND SHALL BE PROPORTIONED ACCORDING TO, AND MEET ALL REQUIREMENTS OF APPLICABLE EDITION OF CSA-A179.
- 5. PROVIDE CONTINUOUS, HORIZONTAL, STANDARD LADDER-TYPE HORIZONTAL JOINT REINFORCEMENT @ 400 mm C/C, IN BOTTOM TWO BED JOINTS, TOP TWO BED JOINTS AND FIRST BED JOINT ABOVE AND BELOW ALL WALL OPENINGS. ALL SUCH REINF. SHALL BE SPLICED USING CLASS B TENSION LAP SPLICES (AS DEFINED IN APPLICABLE EDITION OF CSA-S304.1). PREFABRICATED CORNER AND INTERSECTION JOINT REINFORCING PIECES SHALL BE USED. MINIMUM WIRE DIAMETER TO BE 3.65 mm.
- 6. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL MASONRY WALLS.
- 7. PROVIDE VERTICAL REINFORCING IN ALL MASONRY WALLS AS PER TABLE ON SPECIFIC BLD. DRAWING ALL REINFORCED CORES SHALL BE GROUTED SOLID FOR FULL HEIGHT OF WALLS. VERTICALLY-CANTILEVERED WALLS SHALL BE CONSTRUCTED OF SOLID-GROUTED MASONRY.
- PROVIDE VERTICAL REINFORCING AT EACH LATERAL SUPPORT LOCATION (SEE BLD. SPECIFIC DRW.)
- 9. LAP ALL 15M BARS 675 mm MINIMUM. LAP ALL 20M BARS 850 mm MINIMUM.
- 10. UNLESS NOTED OTHERWISE, MINIMUM CLEARANCE OF XX mm SHALL BE PROVIDED BETWEEN MASONRY WALLS AND STEEL COLUMNS, BEAMS, GIRDERS, JOIST AND GIRTS. THIS REQUIREMENT DOES NOT APPLY WHERE MASONRY IS INTENDED (BY DESIGN) TO BEAR ON STEEL MEMBER.
- 11. WHERE POST-INSTALLED ANCHORS ARE INSTALLED IN MASONRY ELEMENTS/MEMBERS, EXISTING REINFORCING STEEL (INCLUDING HORIZONTAL BED JOINT REINFORCING), CAST-INS AND EMBEDDED ITEMS SHALL BE ACCURATELY LOCATED, AND EDGE OF ANCHOR HOLES SHALL BE LOCATED A DISTANCE AWAY FROM EXISTING REINFORCING STEEL (INCLUDING HORIZONTAL BED JOINT REINFORCING), CAST-INS END EMBEDDED ITEM SUCH THAT AT LEAST MINIMUM CONCRETE COVER REQUIREMENTS (SEE MASONRY NOTE #1) ARE MET. EXISTING REINFORCING STEEL (INCLUDING HORIZONTAL BED JOINT REINFORCING), CAST-INS AND EMBEDDED ITEMS SHALL NOT BE DAMAGED ANCHORING ACTIVITIES, INCLUDING DRILLING.
- 12. MORTAR SHALL BE TYPE :S: PREPARED BY PROPORTION SPECIFICATION IN ACCORDANCE WITH CAN/CSA-A179.
- 13. HOLLOW CONCRETE BLOCK MASONRY WITH MORTAR TYPE "S" SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 12.5 MPa - f'm.
- 14. ALL INTERSECTING MASONRY WALLS TO HAVE MASONRY BOND OR HEAVY DUTY (BLOCK-LOCK) OR EQUIVALENT AT 200mm VERTICALLY MAXIMUM.
- 15. A MINIMUM 50 mm WIDE ISOLATION JOINT SHALL BE PROVIDED AT ALL LOCATIONS WHERE MASONRY WALLS INTERSECT VERTICAL FACES OF CONCRETE STRUCTURE. NO POSITIVE CONNECTION BETWEEN MASONRY MASONRY WALLS AND VERTICAL FACES OF CONCRETE STRUCTURE SHALL BE MADE.
- 16. CONCRETE AND STEEL BEAMS BEARING ON MASONRY WALLS SHALL HAVE A MINIMUM BEARING OF 200mm UNLESS OTHERWISE NOTED ON PLAN.
- 17. PROVIDE 15M DOWELS WITH 150 mm MIN. EMBEDMENT TO THE EXISTING SLAB TO MATCH ALL VERTICAL REINFORCING, UNLESS NOTED OTHERWISE. SCAN EXISTING SLAB PRIOR TO DOWEL INSTALLATION.
- 18. PROVIDE LINTELS OVER ALL OPENINGS AND RECESSES FOR MECHANICAL AND ELECTRICAL TRADES AS SPECIFIED ON PLANS. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND SIZES OF OPENINGS AND RECESSES.
- 19. PROVIDE VERTICAL REINFORCEMENT IN ALL NON-LOAD BEARING CMU WALLS AS FOLLOWS IN ADDITION TO THAT NOTED IN (2):

WALL THK. MAX HEIGHT. REINFORCEMENT. 140mm 4200mm 15M@600 5500mm 15M@600 190mm 6000mm 15M@600 240mm

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ISSUES						
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В	90% SUBMISSION	2022-07-29				
С	ISSUED FOR PERMIT	2022-07-29				
D	ISSUED FOR TENDER	2022-12-09				
E	ISSUED FOR TENDER	2025-04-11				

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PROJECT TITLE CITY OF TORONTO **ACCESSIBILITY UPGRADES** 

**PROJECT ADDRESS** 

DRAWN BY:

PROJECT NO: 9119- 19- 0162 / Arcadis 30279056

G. POULOU M. FAYAZI PROJECT MGR APPROVED BY: N. FRISCIC K. ANGER SHEET TITLE

STRUCTURAL - GENERAL NOTES

CHECKED BY:

SHEET NUMBER G03-GAL-G2000

#### REINFORCING STEEL

- 1 ALL REINFORCING STEEL SHALL CONFORM TO CAN/CSA-G30.18-M-2009 (R2014), GRADE
- 2 MINIMUM CLEAR SPACING BETWEEN PARALLEL REINFORCING BARS SHALL BE 1.4 TIMES THE BAR DIAMETER, 1.4 TIMES THE MAX. AGGREGATE SIZE OR 30mm WHICHEVER IS GREATER. PROVIDE 75mm MINIMUM LAPPED REBAR CLEARANCE FOR CONCRETE VIBRATOR ACCESS.
- DEVELOPMENT LENGTHS AND LAP SPLICES SHALL BE IN ACCORDANCE WITH THE REINFORCING STEEL INSTITUTE OF CANADA, MANUAL OF STANDARD PRACTICE UNLESS INDICATED OTHERWISE. ALL LAP SPLICES SHALL BE CLASS 'B' TENSION LAP SPLICES AND CLASS 'B' TENSION LAP SPLICES SHALL BE PROVIDED FOR ALL SHRINKAGE AND TEMPERATURE BARS. WHERE TWO BARS OF DIFFERENT DIAMETERS ARE LAPPED, PROVIDE CLASS 'B' TENSION LAP LENGTH CORRESPONDING TO THE SMALLER BAR BUT NO LESS THAN FULL TENSION DEVELOPMENT LENGTH OF THE LARGER BAR.
- 4 PROVIDE EMBEDMENT LENGTH FOR FULL TENSION DEVELOPMENT IN ACCORDANCE WITH CSA A23.3
- 5 DEVELOPMENT LENGTH AND SPLICE LENGTH FOR FY = 400MPa AND F'C=35MPa TO BE AS PER TABLE BELOW, UNLESS OTHERWISE SHOWN ON DRAWINGS.

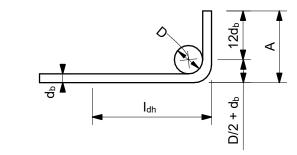
	fc' = 35MF	Pa	fy = 400M	Pa			
		TENSIO	COMPRESSION STEEL				
BAR SIZE	HORIZONTAL TO	P BARS*	ALL OTHER E	BARS**	COMPRESSION STEEL		
	DEVELOPMENT	SPLICES	DEVELOPMENT	SPLICES	DEVELOPMENT	LAP SPLICES	
(mm)							
()	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
10	360	470	280	370	200	330	
15	510	670	390	510	290	470	
20	620	810	480	630	350	590	
25	1000	1300	770	1010	450	740	
30	1190	1550	910	1190	530	880	
35	1420	1850	1090	1420	630	1050	
45	-	-	-	-	800	-	

REFERENCE: CAN/CSA A23.3-14

- db= MAX. OF NORMAL AND ACTUAL BAR DIAMETER
- \* HORIZONTAL TOP BARS WITH MORE THAN 300mm OF FRESH CONCRETE POURED BELOW
- THE BARS. AND WALL HORIZONTAL REINFORCEMENT. \*\* HORIZONTAL BARS WITH NOT MORE THAN 300mm OF FRESH CONCRETE POURED BELOW
- THE BARS, VERTICAL BARS.
- 6 STANDARD 90° HOOK TO CONFORM TO A23.3 AND THE FOLLOWING TABLE, WHICHEVER IS MORE STRINGENT, UNLESS OTHERWISE SHOWN ON DRAWINGS.

#### STANDARD 90° HOOK DIMENSION

fc' = 35	MРа	fy = 400MPa		
BAR SIZE	D***	А	I <sub>dh</sub> ****	
d <sub>b</sub>				
(mm)	(mm)	(mm)	(mm)	
10M	70	190	150	
15M	100	260	190	
20M	120	320	240	
25M	150	410	300	
30M	250	520	360	
35M	300	620	430	



- 90° HOOK SEE A23.3
- \*\*\* SEE A23.1, TABLE 16 \*\*\*\* SEE A23.3, §12.5.1, §12.5.3 (b) =  $0.7x100d_b$  / fc<sup>0.5</sup> > 150 OR 8 d<sub>b</sub>.

#### STRUCTURAL STEEL:

- 1. THE DESIGN AND CONSTRUCTION OF ALL WORK IN THIS PROJECT SHALL CONFORM TO THE APPLICABLE EDITION OF CAN/CSA-S16.
- 2. ALL SHOP CONNECTIONS SHALL BE WELDED. ALL FIELD CONNECTIONS SHALL BE WELDED OR BOLTED USING HIGH TENSILE-STRENGTH BOLTS, BEARING TYPE. WHERE APPLICABLE, AND UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE CISC DOUBLE ANGLE BEAM CONNECTIONS FOR A325 BOLTS AND E49XX FILLET WELDS, MINIMUM SIZE OF BOLTS - M20 DIAMETER.
- 3. ALL WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH APPLICABLE EDITION OF FOLLOWING CSA STANDARDS:
- W47.1 FOR QUALIFICATIONS OF WELDERS
- W48.1 TO W48.7 FOR ELECTRODES - W59 FOR DESIGN AND WORKMANSHIP
- 4. ALL COLUMN ENDS SHALL BE SAWCUT AND WELDED TO BASE/CAP PLATES.
- 5. ALL COLUMNS TO HAVE ANGLES AT TOP TO SUPPORT STEEL DECK WHERE REQUIRED.
- 6. BRACING MEMBERS SHALL BE CONNECTED FOR THE FOLLOWING (WHICHEVER IS LARGER): - 50% OF THE NOMINAL TENSION CAPACITY OF THE MEMBER BASED ON GROSS AREA
- FORCES AS SHOWN ON THE DRAWINGS - A MINIMUM OF TWO BOLTS
- 7. FOR DOUBLE-ANGLE BRACING (E.G. CROSS-BRACING), ANGLES SHALL HAVE INTERCONNECTING BATTENS AND/OR SPACERS SUCH THAT SLENDERNESS RATIO OF INDIVIDUAL ANGLES (BASED ON LEAST RADIUS OF GYRATION OF INDIVIDUAL ANGLES) DOES NOT EXCEED SLENDERNESS RATIO OF BUILT-UP (DOUBLE-ANGLE) MEMBER.
- 8. THE CONTRACTOR SHALL SUPPLY, INSTALL, MAINTAIN AND REMOVE ANY TEMPORARY BRACING REQUIRED DURING CONSTRUCTION.
- 9. FORCES ARE DESIGNATED BY (+) FOR TENSION AND (-) FOR COMPRESSION.
- 10. CONNECTIONS FOR BEAMS, GIRDERS AND JOISTS SUBJECT TO AXIAL FORCES SHALL BE DESIGNED FOR THE AXIAL FORCES IN ADDITION TO THE SHEAR FORCES, MOMENT FORCES/EFFECTS AND TORSION FORCES/EFFECTS. FORCES INDICATED ARE FACTORED AND IN kN. MOMENTS AND TORSIONS INDICATED ARE FACTORED AND IN kN-m.
- 11. ALL EXTERIOR STEEL, AND STEEL THAT IS NOT IN A TEMPERATURE AND HUMIDITY CONTROLLED ENVIRONMENT, SHALL BE HOT-DIPPED GALVANIZED (BOTH STRUCTURAL STEEL AND MISCELLANEOUS STEEL). THIS SHALL INCLUDE NUTS, BOLTS, WASHERS, BASE PLATES, LEVELING PLATES, ANCHOR BOLTS AND ANCHORS.
- 12. FILLER BEAMS AND JOISTS SHALL BE PLACED EQUALLY BETWEEN ESTABLISHED DIMENSIONS, UNLESS NOTED OTHERWISE.
- 13. PROVIDE WELDED STIFFENER PLATES ON BOTH SIDES OF THE WEB OF BEAMS AND GIRDERS AT POINTS OF CONCENTRATED LOAD, INCLUDING BEAMS AND GIRDERS SUPPORTING COLUMNS OR RUNNING OVER TOPS OF COLUMNS. MINIMUM STIFFENER PLATE THICKNESS SHALL BE 10 mm OR FLANGE THICKNESS OF COLUMNS ABOVE OR BELOW, WHICHEVER IS GREATER. MINIMUM SIZE OF WELD SHALL BE 5 mm DOUBLE FILLET WELD, OR SHALL BE SUFFICIENT TO DEVELOP THE FULL STRENGTH OF THE STIFFENER, WHICHEVER IS GREATER.
- 14. FOR LOCATIONS OF DOOR FRAMES, WALL OPENINGS, ROOF AND FLOOR OPENINGS, ETC., AND RELATED DETAILS, SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PROCESS & CIVIL DRAWINGS.
- SHOWN ON PLANS DENOTES AXIAL LOADS ALONG BEAMS AND GIRDERS DUE TO WIND OR EARTHQUAKE LOADS. DESIGN BEAM-TO-BEAM, BEAM-TO-GIRDER AND GIRDER-TO-GIRDER CONNECTIONS, AS WELL AS BEAM-TO-COLUMN AND GIRDER-TO-COLUMN CONNECTIONS FOR THESE LOADS IN COMBINATION WITH APPLICABLE GRAVITY LOADS.
- 16. PERIMETER ROOF ANGLE SHALL BE CONTINUOUS AND BUTT WELDED TOGETHER AT JOINTS. ENSURE CONNECTION OF PERIMETER ANGLE TO SUPPORTING STRUCTURE IS SUFFICIENT TO RESIST MAXIMUM UNIT SHEAR FROM DECK DIAPHRAGM. REFER TO ROOF-DIAPHRAGM SHEAR DIAGRAM ON DRAWINGS
- 17. ALL WELDABLE REINFORCING STEEL ANCHORS SHALL BE WELDED TO BASE PLATES/BEARING PLATES TO FULLY DEVELOP BARS IN TENSION.
- 18. REFER TO SPECIFICATIONS FOR BEAM AND GIRDER CAMBER REQUIREMENTS.

#### ABBREVIATIONS:

ABBREVIATIONS.						
2L	two angles	HP	high point			
AB	anchor bolt	HS	high strength			
ADD	addendum	ID	inside diameter			
ADJ	adjacent	l iE	invert elevation			
AFF	above finished floor	iF	inside face			
AHU	air handling unit	IN	inches			
ALT	alternate	INCL	include			
ANC	anchor	INFO	information			
APPROX	approximate	JT	joint			
ARCH	architectural	kN	kilonewton			
ASTM	American Society	kNm	kilonewton meter			
D /D	for Testing and Materials	kPa	kilopascal			
B/B	back to back	L	length			
BC BET	bottom chord between	LB LG	pound long			
BLDG	building	LG	live load			
BLK	block	LLBB	long legs back-to-back			
BM	beam	LLH	long leg horizontal			
BOF	bottom of footing	LLV	long leg vertical			
BOS	bottom of steel	LO	louver opening			
BOT	bottom	LP	low point			
BRCG	bracing	LS	louver sill			
BRG	bearing	m	metre			
BRKT	bracket	MACH	machine			
BSMT	basement	MAX	maximum			
CA	column above	MECH	mechanical			
CB C/C	column below center to center	MEZZ MFR	mezzanine manufacturer			
CERT	center to center certified	MIN	manufacturer minimum			
CHKD PL	checkered plate	MISC	miscellaneous			
CIP	cast in place	mm	millimetre			
CJ	construction joint	MT	metric ton			
CL	centerline	NIC	not in contract			
CLJ	control joint	NO	number			
CLR	clear	NTS	not to scale			
COL	column	0/0	out to out			
CONC	concrete	OPNG	opening 			
CONN CONSTR	connection	OPP PC	opposite			
CONSTR	construction continuous)	PEN	piece penetration			
CONTR	contractor	PL	plate			
CSA	Canadian Standards Association	PROJ	projection			
CT	cooling tower	PSF	pounds per square foot			
CTR	center	PSI	pounds per square inch			
C/W	complete with	R	radius			
DET DIA	detail diameter	RCB REF	reinforced concrete beam reference			
DIAG	diagonal	REINF	reinforcement			
DIM	dimension	REMV	removable			
DL	dead load	REQD	required			
DO	door opening	RR	railroad			
DWG	drawing	R/W	reinforced with			
DWL	dowel	SCH	schedule			
EA	each	SECT	section			
EF	each face	SIM	similar			
EL ELEC	elevation electrical	SOG SP	slab on grade			
EMB	embedment	SPEC	space specifications			
EQ	equal	SQ	square			
EQPT	equipment	SSC	structural steel contract			
EW	each way	STAGG	staggered			
EXP	expansion	STD	standard			
EX	existing	STIFF	stiffener			
EXT	exterior	STL	steel			
FDNC	foundation	STRU	structural			
FDNC FIN	foundation contract finish	SYM t	symmetrical thickness			
FL	floor		tread			
FLG	flange	T&B	top and bottom			
FT	feet	TC	top chord			
FTG	footing	TEMP	temperature			
FUT	future	THK	thick			
GA	gauge	TL	total load			
GC	general contract	TOF	top of footing			
GALV	galvanized	TOS	top of steel			
GENL GOL	general gauge outstanding leg	TYP UON	typical unless otherwise noted			
GR	grade	VERT	vertical			
GRT	grating	VIF	vertical inside face			
Н	high	VOF	vertical outside face			
HEF	horizontal each face	W	width (wide)			
HGR	hanger	W/	with			
HGT	height	W/O	without			
HH	hooked-hooked	WP WPL	working point			
HIF HOF	horizontal inside face horizontal outside face	WPL WS	wall plate water stop			
HORIZ	horizontal	WT	water stop weight			
		WWF	welded wire fabric			

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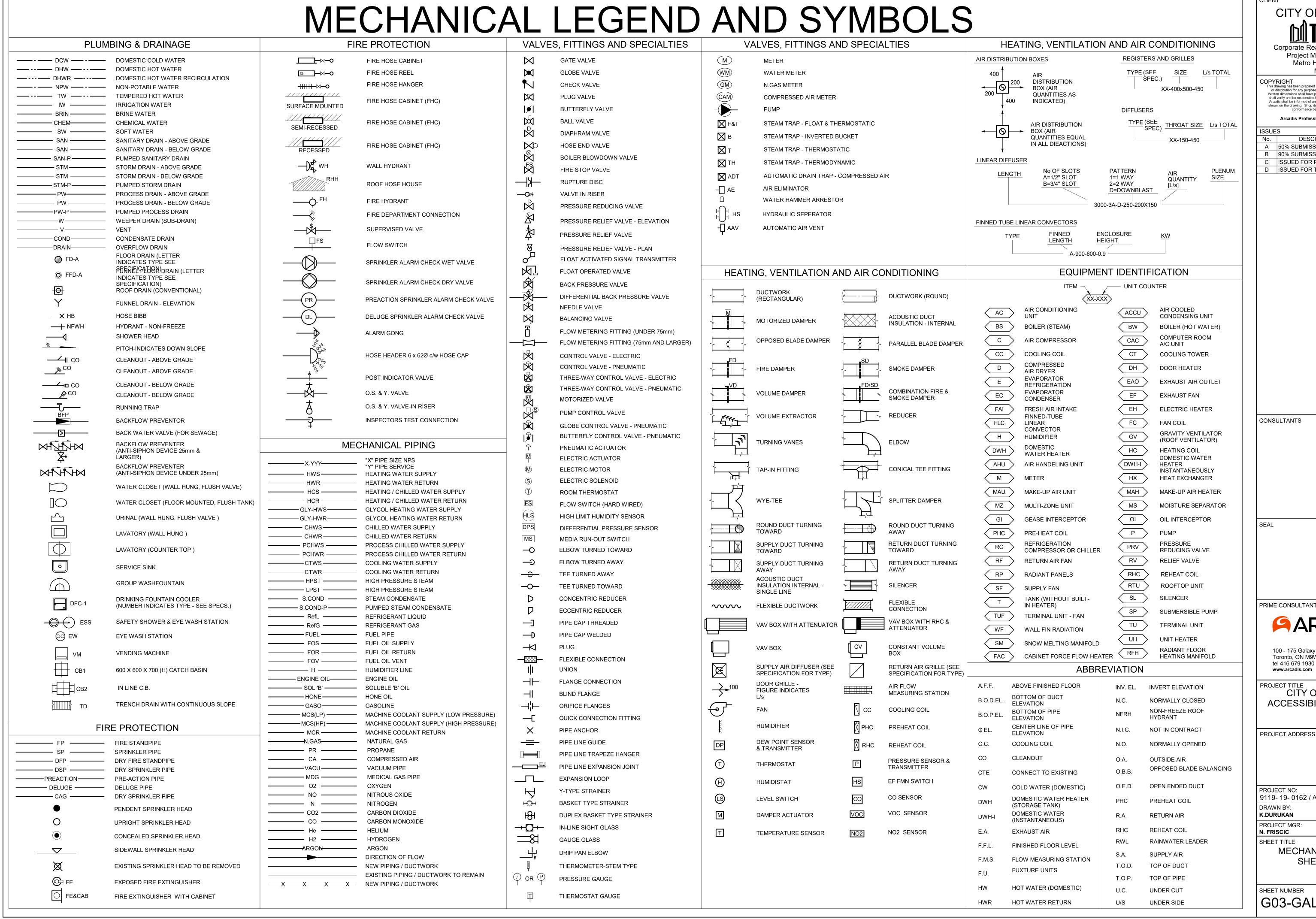
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PROJECT MGR APPROVED BY: N. FRISCIC K. ANGER SHEET TITLE STRUCTURAL - GENERAL NOTES, SYMBOLS &

**ABBREVIATIONS** 

SHEET NUMBER G03-GAL-G2002 E



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MECHANICAL LEGEND SHEET 1 OF 2

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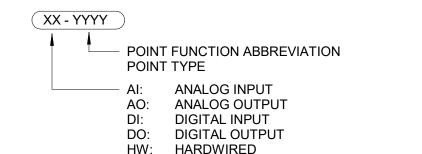
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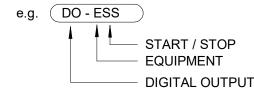
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#### CONTROLS POINT FUNCTION ABBREVIATION

	FIRST LETTER		SECOND LETTER		THIRD LETTER		FOURTH LETTER
Α	AIR	А	H-O-A STATUS	Н	HIGH	Н	HIGH
С	COMPRESSED GAD	С	CLOSE	L	LOW	L	LOW
D	DAMPER	E	VOLTAGE	X	TRASMITTER		
Е	EQUIPMENT	F	FIRE (ALARM) SMOKE	Z	INDICATING TRANSMITTER		
G	NATURAL GAS	FL	FLOW	D	DIFFERENTIAL		
L	LIQUID	Н	HUMIDITY				
S	STEAM	I	CURRENT				
V	VALVE	L	LEVEL				
М	MISCELLANEOUS	0	OPEN				
		OL	OVERLOAD				
		OR	OVERRIDE				
		Р	PRESSURE				
		SS	START / STOP				
		ST	STATUS				
		Т	TEMPERATURE				
		V	VELOCITY / SPEED				
		WT	WINDING TEMPERATURE				
		X	POSITION				
		Y	SERIAL COMM'S				

BMS POINT NOTE: IF AN INSTRUMENT IS NOT DESIGNATED AS A TRANSMITTER "X" OR AN INDICATING TRANSMITTER "Z", IT IS A SENSOR OR SWITCH, DEPENDING ON POINT TYPE.





#### **GENERAL NOTES**

FOR ROOF OPENING AND ROOF CURB DETAILS SEE ARCHITECTURAL DRAWINGS.

SC: SERIAL COMMINICATION

- ALL FRESH AIR OR EXHAUST AIR LOUVRES IN BUILDING WALLS BY GENERAL TRADES UNLESS OTHERWISE NOTED. FOR DETAILS SEE ARCHITECTURAL DRAWINGS.
- ALL STORM COLLAR FLASHINGS BY MECHANICAL FOR DETAILS OF FLASHINGS SEE ARCHITECTURAL DRAWINGS.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND MEASUREMENTS AT THE SITE AND REPORT TO THE OWNER'S REPRESENTATIVE ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROPER COMPLETION OF THE WORK.
- DIMENSIONS SHOWN ARE FOR PREFERRED LOCATION AND GENERAL ARRANGEMENT OF MECHANICAL SYSTEMS. IT SHALL REMAIN THE CONTRACTORS RESPONSIBILITY TO ENSURE OVERALL COORDINATION OF HIS WORK WITH OTHER TRADES. SHOULD DEVIATION FROM LOCATIONS SHOWN ON DRAWINGS BECOME NECESSARY DUE TO CONFLICTS WITH OTHER
- TRADES OR LOCAL PROBLEMS THEY MUST BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO PROCEEDING WITH WORK. THIS IS THE STANDARD SHEET FORM NOT ALL ITEMS ARE ASSOCIATED WITH THIS PROJECT.
- ALL EXISTING SERVICES TO REMAIN UNLESS NOTED OTHERWISE.
- ALL SYSTEMS TO REMAIN FUNCTIONAL UNLESS PERMISSION FOR SHUTDOWN IS GRANTED BY THE OWNER.

#### GENERAL NOTES: PLUMBING & DRAINAGE

- ALL SANITARY DRAINS NPS 4 SIZE & LARGER SHALL SLOPE AT 1.0%, ALL SANITARY DRAINS NPS 3 & SMALLER SHALL SLOPE AT 2%.
- ALL PLUMBING, DRAINAGE & VENTING SHALL BE IN CONFORMANCE WITH PART 7 OF THE O.B.C. AND IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.
- ALL VENTING AND TRAP SEAL PRIMER NOT SHOWN BUT REQUIRED, SHALL BE BY PLUMBING CONTRACTOR. ALL DOMESTIC COLD AND HOT WATER PIPING SHALL BE THERMALLY INSULATED.
- ALL ABOVE GROUND HORIZONTAL RAIN WATER LEADER AND STORM DRAIN SHALL BE THERMALLY INSULATED.

#### GENERAL NOTES: FIRE PROTECTION

- ALL MATERIAL SHALL BE UNDERWRITER'S LABORATORIES OF CANADA (ULC) LISTED AND SHALL COMPLY WITH THE OWNER'S INSURER'S STANDARDS AND REQUIREMENTS AND LOCAL
- FIRE PROTECTION CONTRACTOR TO COORDINATE ON SITE WITH OTHER TRADES BEFORE ANY WORK IS DONE. ANY SERVICE RELOCATION DUE TO INSUFFICIENT COORDINATION TO BE DONE AT NO
- EXTRA COST TO THE OWNER. BEFORE PROCEEDING WITH WORK, DUCTWORK, PIPING AND ELECTRICAL DRAWINGS TO BE STUDIED BY FIRE PROTECTION CONTRACTOR. SHOP DRAWINGS TO REFLECT COORDINATED ELEVATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF DUCTWORK, PIPING, AND LIGHTING FIXTURES, ETC.
- DETAILED FIRE PROTECTION DESIGN SHOP DRAWINGS TO BE STAMPED BY PROFESSIONAL ENGINEER LICENSED IN ONTARIO AND TO BE SUBMITTED TO CONSULTANT AND AUTHORITY HAVING
- JURISDICTION FOR REVIEW.
- PROVIDE TYPE ABC FIRE EXTINGUISHERS AS PER ONTARIO FIRE CODE. FINAL LOCATION TO BE COORDINATED ON FIELD. FIRE PROTECTION CONTRACTOR TO PROVIDE PIPE HANGERS AS PER NFPA 13.
- FIRE PROTECTION SYSTEM SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 13.
- CONTRACTOR TO CONDUCT FLOW TEST AND USE THE RESULTS FOR HYDRAULIC CALCULATIONS. HYDRAULIC CALCULATION SHALL START AT FIRE MAIN BUILDING CONNECTION. MAXIMUM SYSTEM PRESSURE TO BE 35KPA (5 PSI) LESS THAN THE PRESSURE TEST RESULT AT REQUIRED FLOW
- RATE, TO ACCOUNT FOR FUTURE FLUCTUATION IN WATER SUPPLY PRESSURE. PIPE DIMENSIONS TO BE DETERMINED BY THE RESULTS OF HYDRAULIC CALCULATION.
- SPRINKLER SYSTEMS TO BE HYDRAULICALLY DESIGNED TO DELIVER THE DENSITIES OVER THE MOST REMOTE AREA AS LISTED IN THE SCHEDULE
- SPRINKLER COVERAGES INDICATED ARE TO BE CONFIRMED BY FIRE PROTECTION CONTRACTOR. PROVIDE SPRINKLER PROTECTION UNDER ALL PLATFORMS INCLUDING BUT NOT LIMITED TO CONVEYORS, STAIRS, CATWALKS, SHELVING PLATFORMS, OVERHEAD DOORS, MEZZANINES, DUCTS OR
- ANY OBSTRUCTIONS WIDER THAN 1200MM. SPRINKLER SHOWN ARE FOR COORDINATION PURPOSE ONLY. FINAL LOCATION OF THE SPRINKLERS TO BE DETERMINED BY FIRE PROTECTION CONTRACTOR BASED ON HYDRAULIC CALCULATIONS.
- USE UPRIGHT SPRINKLER IN SPACE WITHOUT CEILING.
- LOCATE SPRINKLER HEADS IN THE CENTRE OF CEILING TILES.
- SPRINKLER HEAD LOCATION TO BE COORDINATED WITH ARCHITECT PRIOR TO SHOP DRAWING PRODUCTION. PIPING AND SPRINKLER HEADS MARKED FOR DEMOLITION TO BE REMOVED AND DISPOSED OF FROM SITE UNLESS OTHERWISE NOTED.
- REFER TO EXISTING SHOP DRAWINGS. ALL EXISTING SPRINKLERS TO BE ADJUSTED TO SUIT NEW BUILDING LAYOUT IN ACCORDANCE WITH NFPA 13.
- PROVIDE FIRE WATCH DURING SHUT DOWN.

#### GENERAL NOTES: HVAC

- ALL DUCTWORK TO BE INSTALLED TO LOW-PRESSURE DUCTWORK TO S.M.A.C.N.A. STANDARDS.
- DUCTWORK: FABRICATED OF PRIME QUALITY GALVANIZED STEEL SHEETS WITH Z275 (G90) DESIGNATION ZINC COATING TO ASTM A653/A653M ALL DUCTWORK C/W SEAL CLASS 'A' AS PER S.M.A.C.N.A. STANDARDS.
- ALL EXHAUST DUCTWORK SHALL BE THERMALLY INSULATED FOR 1500mm BEFORE EXITING THE BUILDING ENVELOPE.
- ALL FLEXIBLE DUCT TO BE MAXIMUM 3000MM LONG AND INSULATED. ALL SUPPLY AIR DUCTWORK INSIDE CEILING SPACE SHALL BE THERMALLY INSULATED.
- ALL REFRIGERANT LINES SHALL BE THERMALLY INSULATED. ALL CONDENSATE DRAIN SHALL BE THERMALLY INSULATED.
- ALL CONTROL WIRING SHALL BE FT-6 RATED.

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Arcadis Professional Services (Canada) Inc.

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No.	No. DESCRIPTION					
Α	50% SUBMISSION	2022-04-27				
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PROJECT TITLE CITY OF TORONTO ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO: 9119- 19- 0162 / Arcadis 30279056 DRAWN BY: CHECKED BY: K.DURUKAN **B.LIAO** 

PROJECT MGR: N. FRISCIC SHEET TITLE

MECHANICAL LEGEND SHEET 2 OF 2

APPROVED BY:

S. LIU

SHEET NUMBER G03-GAL-G3002 D

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GENERAL				HEAT TRACING				
	NORTH ARROW		COMBINATION MAGNETIC STARTER		DIRECT CONNECTION TO HEAT TRACING:		CCTV		PUBLIC ADDRESS & INTERCOM
	ARROW INDICATES PROJECT NORTH		MAGNETIC STARTER	HT-STORM	I — HEAT TERACING II — PIPE SYSTEM ID STORM		INDOOR PTZ CAMERA	p K	INTERCOM
		<b>□</b> \$M	MANUAL STARTER  HORSEPOWER RATED MOTOR TOGGLE SWITCH		SANITARY TPL: TRAP SEAL PRIMER	<b>→</b>	INDOOR FIXED CAMERA		C — AUDIO E — EMERGENCY CALL H — HANDSET
N# E-###	NOTE REFERENCE TAG  N# — DENOTES NOTE NUMBER  E-### — DENOTES DRAWING NUMBER	\$HOA	HORSEPOWER RATED MOTOR HAND/OFF/AUTO SWITCH		DCW: DOMESTIC COLD WATER		OUTDOOR/WALL/ROOF MOUNTED PTZ CAMERA		P — PANEL S — SERVER
	BURIED GROUNDING CONDUCTOR		DISCONNECT SWITCH - NON-FUSIBLE	T <sub>HT</sub>	HEAT TRACING THERMOSTAT	<b>→</b>	OUTDOOR/WALL/ROOF MOUNTED FIXED CAMERA		V - VIDEO
	LIGHTNING GROUND CONDUCTOR	E	FUSED DISCONNECT SWITCH		HEAT TRACING IN LINE TEMPERATURE SENSOR	<b>→</b>	OUTDOOR FIXED CAMERA POLE MOUNTED		A — AUDIO SIREN & STROBE D — WITH IMAGE DISPLAY E — ELEVATOR
<b>©</b>	GROUND ROD C/W INSPECTION CAN	MD	MOTORIZED DAMPER				OUTDOOR PTZ CAMERA POLE MOUNTED		F — FURNITURE MTD  M — MAINTENANCE
<b>■</b> ×	GROUNDING CONDUCTOR CONNECTION	СР	CONTROL PANEL		<u>LIGHTING</u>		COTDOOK 1 12 CAMILINA TOLL MICONTED	S	S — COMMUNICATION STATUS INDICATOR  PA SPEAKER
	AIR TERMINAL (LIGHTNING ROD)	0	JUNCTION BOX	L01	TYPICAL LUMINAIRE NOMENCLATURE: LO1 — DENOTES LUMINAIRE TYPE L2B1—28.1 — DENOTES CIRCUIT NUMBER	⊗ <sub>6m,A</sub>	STEEL POLE BASE MOUNTED		HORN/CONE SPEAKER
	CONDUCTOR DOWN TO BUILDING GROUND LOOP	M	MOTOR	L2B1-28.1	L2B1 — DENOTES PANELBOARD (REFER TO POWER AND CONTROL)	0111,74	6m — DENOTES POLE HEIGHT A — DENOTES POLE BASE TYPE	P ZA	ZA — DENOTES ZONE A
	DIRECT BURIED CONDUIT(S) OR CABLE(S)	0	BLANK JUNCTION BOX		28 — DENOTES CIRCUIT NUMBER .1 — DENOTES CONTROL NUMBER		A — 900mm HIGH CONCRETE BASE, NOT HINGED B — 300mm HIGH CONCRETE BASE, HINGED	A	AMPLIFIER STATES
	CONCRETE ENCASED CONDUIT(S)	TBS	TERMINAL BOX WITH TERMINAL STRIPS	0	CEILING OR PENDANT MOUNTED LUMINAIRE	RP2	REMOTE PANEL RP2 DENOTES REMOTE PANEL NO.2	ED	END OF LINE DEVICE
	EXPOSED CONDUIT OR CABLE		BASEBOARD HEATING UNIT	오	WALL MOUNTED LUMINAIRE	VD 2	CLOSED CIRCUIT TELEVISION VIDEO DISPLAY 2 DENOTES MONITOR TYPE		FIRE ALARM
o	CONDUIT OR CABLE TURNING UP	СН	ELECTRIC CONVECTION HEATER	O P01	POLE MOUNTED LUMINAIRE PO1—LUMINAIRE TYPE		2 DENOTES MONITOR THE		FIRE ALARM CONTROL PANEL
	CONDUIT OR CABLE TURNING DOWN	FF	ELECTRIC FORCE—FLOW HEATER				<u>SECURITY</u>	ANN	REMOTE ANNUNCIATOR PANEL
>	SLOPE — ARROW INDICATES DOWNWARD SLOPE		DOOR CONTROL PANEL	OR 🔲	CEILING, PENDANT OR WALL MOUNTED LUMINAIRE		SECURITY CONTROL PANEL	AZ-##	FIRE ALARM ZONE NUMBER
МН	MANHOLE		DOCK LEVELER	\$	LIGHT SWITCH  DESIGNATIONS FOR LIGHT SWITCHES			A	CO2 ABORT STATION  ACTIVE FIELD DEVICE —
	HAND HOLE				3 - 3-WAY 4 - 4-WAY	<u>G</u> S	GLASS BREAK DETECTOR	(CS)	COMBINATION CONTROL AND MONITOR MODULE  COMBINATION HEAT AND SMOKE DETECTOR
	CONCRETE PULL BOX (MINIMUM INTERNAL DIMENSIONS: 900x610x900)	Ф	SINGLE RECEPTACLE		D — DIMMER MC — MOMENTARY CONTACT P — PILOT LIGHT	<b>F</b>	KEY PAD		CO2 DUMP STATION
	PULL BOX	Ф д	DUPLEX RECEPTACLE		K — KEY OPERATED LV — LOW VOLTAGE		CARD READER	DH	MAGNETIC DOOR HOLDER DEVICE
$\begin{array}{c} \\ \\ \end{array}$	UTILITY POLE	0	TWO DUPLEX RECEPTACLES WITH BARRIER	ZZZZ OR Z	LUMINAIRE ON LIFE SAFETY CIRCUIT	Ms	DOOR MONITOR SWITCH	E E	EMERGENCY POWER OFF STATION
	POWER AND CONTROL		GFCI DUPLEX RECEPTACLE	OR Ø			DATA IN	FS	SPRINKLER SYSTEM FLOW ALARM SWITCH
_		Ш	COMBINATION DUPLEX RECEPTACLE/TELECOMMUNICATION OUTLET (DUPLICATED ON COMMS DRAWINGS)		OCCUPANCY SENSOR			H	COMBINATION RATE OF RISE AND FIXED TEMPERATURE HEAT DETECTOR
PP-EBA1	POWER AND/OR DISTRIBUTION PANELBOARD  — SURFACE MOUNTED	Ü	COMBINATION TWO DUPLEX RECEPTACLES/TELECOMMUNICATION OUTLET (DUPLICATED ON COMMS DRAWINGS AS COMBINATION DUPLEX RCT)	PE O	PHOTO-ELECTRIC CONTROL	<u> </u>	DATA OUT	(ID)	DUCT SMOKE DETECTOR
TX	PAD MOUNT TRANSFORMER	 	WITH BARRIER BETWEEN RECEPTACLES  COMBINATION MULTI-RECEPTACLE/TELECOMMUNICATION FLOOR BOX	$\otimes$	EXIT SIGN — CEILING MOUNTED ARROW DENOTES DIRECTION CHEVRON		DOOR BY-PASS KEYED SWITCH	IL	ISOLATOR MODULE
<u> </u>	SUSPENDED TRANSFORMER	│ <del> </del>	(DUPLICATED ON COMMS DRAWINGS)	$  \otimes  $	EXIT SIGN — WALL MOUNTED	Ps	ELECTRIC DOOR STRIKE	IR	INFRA RED DETECTOR
PP-EBA1       L <sub>1</sub>	DENOTES PANEL DENOTES SEQUENTIAL IDENTIFIER (1,2,3,)		LINE DENOTES ABOVE COUNTER HEIGHT OUTLET 1200 AFF OR 300 ABOVE COUNTER, UNLESS OTHERWISE NOTED	420	EMERGENCY LIGHTING BATTERY WITH 2 HEADS		MAGNETIC DOOR LOCK	M	ALARM MONITOR CONTACT
	DENOTES REDUNDANCY IDENTIFIER (A,B)		<u>DESIGNATIONS FOR RECEPTACLE TYPES</u> A RACK RECEPTACLE L—20R		AND SINGLE RECEPTACLE  EMERGENCY LIGHTING BATTERY FOR REMOTE HEADS		ELEVATOR HALL CALL BUTTON	P	POST INDICATOR VALVE
│	DENOTES FLOOR (B,1,2,3)		B L21-20R C CEILING D DEPRESSED WITH FLOOR SLAB/ACCESS FLOOR		AND SINGLE RECEPTACLE			PS	PRESSURE SWITCH
	*UPS PANELS DENOTÉ PDU SOURCE		E ENCLOSURE F FURNITURE MTD		DOUBLE REMOTE EMERGENCY LIGHTING HEADS	<u>%</u>	ELEVATOR CARD CALL BUTTON	R	FIRE ALARM RELAY
LS	DENOTES NON—LIFE SAFETY DENOTES LIFE SAFETY DENOTES LIGHTING		GFCI GROUND FAULT CIRCUIT INTERRUPTER H 5-30R S MTD ON SURFACE OF FLOOR	#	SPACE TYPE FOR LIGHTING CONTROL. REFER TO SCHEDULE IN SPECIFICATION SECTION 16590	К	MAGNETIC LOCK RELEASE/RESET KEY	\$S <sub>A</sub>	AREA SMOKE DETECTOR A DENOTES ASPIRATION TYPE U DENOTES BELOW RAISED FLOOR
U*	DENOTES LIGHTING  DENOTES UNINTERRUPTIBLE POWER SUPPLY  *U2A1 DENOTES FROM PDU-U2A		U UNDERFLOOR		<u>COMMUNICATIONS</u>	PE	PUSH TO EXIT	(s)—D	AREA SMOKE DETECTOR COMPLETE WITH REMOTE ALARM LIGHT
DP	DISTRIBUTION PANEL		DIRECT CONNECTION TO EQUIPMENT		COMMUNICATION OUTLET:	TZ		$\Diamond$	SPRINKLER SYSTEM SUPERVISED VALVE
PP RP	POWER PANEL RECEPTACLE PANEL		THERMOSTAT	igwedge	<ul><li>SOLID DENOTES COPPER CONDUCTORS</li><li>OPEN DENOTES OPTICAL FIBRE CONDUCTORS</li></ul>		TRANSOM REQUEST TO EXIT	V	AIR SAMPLING SMOKE DETECTOR
LP SW	LIGHTING PANEL SWITCHBOARD	Ŷ	SWITCH HEATER/BLOWER		- BOXED DENOTES INDUSTRIAL OUTLET		AUDIBLE ANNUNCIATOR	O   F	FIRE ALARM BELL
T PDU	TRANSFORMER POWER DISTRIBUTION UNIT		HIGH/LOW TEMPERATURE THERMOSTAT	lacksquare	FLUSH WITH SURFACE COMMUNICATIONS PASS TROUGH		POWER ASSIST	F	FIRE ALARM HORN
EF	MECHANICAL OR ELECTRICAL EQUIPMENT	•	WEATHERPROOF PUSHBUTTON FOR POWER OPERATED DOOR		FURNITURE FEED F — DENOTES FLOOR MOUNTED		POWER ASSIST CONNECTION	F	FIRE ALARM MINI HORN C/W STROBE LIGHT
1	TAG NUMBER  AC — AIR CONDITIONING UNIT	$\bigcirc$	FURNITURE FEED — POWER	фф	COMBINATION DUPLEX RECEPTACLE(S)/TELECOMMUNICATION OUTLET/FLOOR BOX (DUPLICATED ON POWER DRAWINGS)		DOOR RELEASE		STROBE LIGHT
	ACC — AIR COOLED CONDENSER UNIT C — COMPRESSOR		MISCELLANEOUS		TELECOMMUNICATIONS ENCLOSURE		DOOR RELEASE	R	WARNING LIGHT
	CH — CABINET UNIT HEATER CU — CONDENSER UNIT DH — DOOR HEATER	l Wa	DYNAMIC GLASS WINDOW CONTROLLER		DESIGNATIONS FOR COMMUNICATION OUTLETS	•	PUSH BUTTON REMOTE RELEASE		FIRE ALARM MANUAL PULL STATION (RED)
	EF — EXHAUST FAN ETU — EXHAUST TERMINAL UNIT EW — EYE WASH	wc zc	DYNAMIC GLASS ZONE CONTROLLER	▼ XXX #	XXX CABLE TERMINATION # QUANTITY M MOUNTING STYLE		PUSH BUTTON DURESS		MANUAL RELEASE PULL STATION (BLUE)
	H — HUMIDIFIER HV — HEATING AND VENTILATING UNIT HW — HOT WATER HEATER		CLOCK	M	M MOUNTING STYLE  S — SURFACE MTD  P — PENDANT		PUSH BAR BOLT RETRACT		ABORT PUSH BUTTON
	MD — MOTORIZED DAMPER P — PUMP		NETWORK ATTACHED POE CLOCK WITH NETWORK CONNECTION 'C' — CEILING/PENDANT 'W' — WALL/SURFACE MOUNT		F — FENDANT F — FURNITURE R — RACK MOUNT PATCH PANEL		PUSH BAR ELECTRIC BOLT RETRACT	ED E	END OF LINE DEVICE  FIREMAN'S TELEPHONE HANDSET
	RAF — RETURN AIR FAN SF — SUPPLY FAN UH — UNIT HEATER		'S' — SINGLE SIDE 'D' — DOUBLE SIDE 2.5'' 2.5''(64MM) DIGIT DISPLAY		W - FLUSH WITH SURFACE WALL MOUNTED D - DEPRESSED WITH FLOOR SLAB/ACCESS FLOOR	IR	PASSIVE INFRARED MOTION DETECTOR	A	TIIVEMAN 2 TELLITONE HANDSET
	V — VENTILATING UNIT		4" (100MM) DIGIT DISPLAY		C — CEILING O — OVERHEAD				
SYMBOLS AN	D LEGEND AS APPLICABLE	SYMBOLS A	ND LEGEND AS APPLICABLE	SYMBOLS AN	D LEGEND AS APPLICABLE	SYMBOLS AI	ND LEGEND AS APPLICABLE	SYMBOLS A	AND LEGEND AS APPLICABLE

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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

ROJECT NO:

PROJECT NO:
9119- 19- 0162 / Arcadis 30279056

DRAWN BY: CHECKED BY:
V. MAC M. BOJIC

PROJECT MGR: APPROVED BY: F.BOLOURIAN P. WILLIAMS

SHEET TITLE

ELECTRICAL LEGEND 1

sheet number G03-G4001

34001 D

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION		ABBREVIATIONS		ABBREVIATIONS
	SINGLE LINE				METERING AND PROTECTION DEVICES	AFF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTRE
<u> </u>	POWER TRANSFORMER	6)	DRAWOUT LOW VOLTAGE CIRCUIT BREAKER	$\bigcup_{i \in \mathcal{I}} \mathcal{M}_i$	CONTROL TRANSFORMER	BIX	BIX TYPE PUNCH DOWN IDC TERMINATION	MCOV	MAXIMUM CIRCUIT OPERATING VOLTAGE
$\overline{m}$		p/				BKR	CIRCUIT BREAKER	MECH	MECHANICAL
WW	TRANSFORMER			3	CURRENT TRANSFORMER, NUMBERS DENOTE	BLDG	BUILDING	mm	MILLIMETER
				100:5	QUANTITY AND RATIO	BLR	BOILER	mmC	TRADE SIZE CONDUIT IN MILLIMETERS
		600AF	LOW VOLTAGE CIRCUIT BREAKER WITH SOLID STATE TRIP UNIT			ВОТ	BOTTOM OF TRAY	MO	MANUALLY OPERATED
/ <sub>30A</sub>	LOW VOLTAGE DISCONNECT SWITCH (NUMBER DENOTES AMPERE RATING)	LSIG	AF- BREAKER FRAME UNIT AT - TRIP RATING		ZERO SEQUENCE CURRENT TRANSFORMER	BR	BRIDGE	M/VV	MICROWAVE
	(NOMBER BENOTES / WILL EXE TO VIING)		MO - MANUALLY OPERATED EO - ELECTRICALLY OPERATED			CC	CONCENTRATOR COMPLEX	MTD	MOUNTED
			L - LONG TIME TRIP FUNCTION S - SHORT TIME TRIP FUNCTION		FIXED FUSE AND FIXED POTENTIAL TRANSFORMER (PT)	CD	CANDELA	NC	NORMALLY CLOSED
/201		$\bigvee$	I - INSTANTANEOUS A - GROUND FAULT ALARM		NUMBER DENOTES QUANTITY	СР	CONTROL PANEL	NGR	NEUTRAL GROUNDING RESISTOR
/30A	LOW VOLTAGE FUSED DISCONNECT SWITCH (NUMBER DENOTES AMPERE RATING)		G - GROUND FAULT TRIP FUNCTION			CTL	CONTROL	NIC	NOT IN CONTRACT
15A		<u></u>	CONTACTOR, NUMBER DENOTES SIZE OR RATING			C/W	COMPLETE WITH	NO	NORMALLY OPEN
			RATING			CAT6	CATEGORY 6 CABLE	O/H	OVER HEAD
		Y	GENERATOR		WITHDRAWABLE FUSE AND WITHDRAWABLE POTENTIAL TRANSFORMER (PT) NUMBER DENOTES QUANTITY	COMMS	COMMUNICATIONS	ос	ON CENTRE
15A	FUSE (NUMBER DENOTES AMPERE RATING)					СР	CONTROL PANEL	OESC	ONTARIO ELECTRICAL SAFETY CODE
			POWER FACTOR CORRECTION CAPACITOR			DISC	DISCONNECT	OVP	OVER VOLTAGE PROTECTION
°)	CIRCUIT BREAKER			l İ		DIV	DIVISION	PLATF	PLATFORM
0/		(A) (A) (L-0)	KEY INTERLOCKS			DSP	GROUND FAULT PROTECTION SYSTEM	PPT	PATCH PANEL TERMINATION
- + -	NORMALLY OPEN CONTACTS					DSP-CA	CABLE ADAPTER MODULE	R	REMOVE
	NORMALLY CLOSED CONTACTS	(20)	MOTOR - NUMBER DENOTES SIZE (HP)		WITHDRAWABLE FUSE AND FIXED POTENTIAL TRANSFORMER (PT) NUMBER DENOTES QUANTITY	DSP-CAS	CABLE ADAPTER MODULE	RCT	RECEPTACLE
		$\Diamond$	NEON LIGHT VOLTAGE INDICATOR		(1) NOMBER BENOTES QU'ANTIT	DSP-DFM	DSP FEEDER MODULE	RJ	U/UTP RJ45 CONNECTION
(c)-	RELAY COIL			2		E	EXISTING TO REMAIN	RM	ROOM
		M				EL	ELEVATION	RR	REMOVE AND RELOCATE
		l T	MANUAL MOTOR OTARTER	OFF		ELEV	ELEVATOR	sc	SHORT CIRCUIT
$\uparrow$	DRAWOUT OR PLUG-IN CONNECTION		MANUAL MOTOR STARTER	HAND AUTO	SELECTOR SWITCH - HAND-OFF-AUTO	EMS	ENERGY MANAGEMENT SYSTEM	SLD	SINGLE LINE DIAGRAM
		1				EO	ELECTRICALLY OPERATED BREAKER	SP	SPARE
	MEDIUM VOLTAGE LOAD INTERRUPTER SWITCH - NUMBER DENOTES SWITCH RATING	<u>+</u>		0 0		ETSP	ELECTRONIC TRAP SEAL PRIMER	SRP	SUPPRESSION RELEASE PERIPHERAL
600A		J	MAGNETIC MOTOR STARTER	مله	STOP	EX	EXISTING	ST	SHUNT TRIP
						FB#1	FEEDER CIRCUIT BREAKER (#1 DENOTES NUMBER)	STN	STATION
	GROUND CONNECTION			0 0	START	FEPO	FIREMAN EMERGENCY POWER OFF	STP	SHIELDED TWISTED PAIR CABLE
•	CROOME CONTROL	S F		$\sim$	PILOT LIGHT	GFR	GROUND FAULT RELAY	STS	STATIC TRANSFER SWITCH
, 3	LIGHTNING ARRESTER OR SURGE DIVERTER		TWO-SPEED MAGNETIC MOTOR STARTER		FILOT LIGHT	GND	GROUND	SW	SWITCH
	NUMBER DENOTES QUANTITY	7 7			OVERLOAD	нт	HEAT TRACING	SWBD	SWITCH BOARD
					O VERLEGIB	HTR	HEATER	SWGR	SWITCH GEAR
	STRESS CONE		SURGE SUPRESSOR	СМ	DIGITAL CIRCUIT MONITOR	НОА	HAND-OFF-AUTO	ТВ	TIE CIRCUIT BREAKER
	DELTA MANCE TO A MODE OF THE COMMETTE C		· · - <del>- · ·</del>			HVAC	HEATING - VENTILATION AND AIR CONDITIONING	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
}	DELTA/WYE TRANSFORMER CONNECTION WITH WYE POINT RESISTANCE GROUNDED			$     \nearrow $	VARIABLE FREQUENCY DRIVE	IAM	INDIVIDUAL ADDRESSABLE MODULE	TYP	TYPICAL
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						LAV	LAVATORY	U/G	UNDER GROUND
						LCD	LIQUID CRYSTAL DISPLAY	UON	UNLESS OTHERWISE NOTED
	DELTA/WYE TRANSFORMER CONNECTION WITH WYE POINT GROUNDED					LED	LIGHT EMITTING DIODE	VFD	VARIABLE FREQUENCY DRIVE
<u></u>						LSIA	LONG TIME TRIP; SHORT TIME TRIP; INSTANTANEOUS TRIP;	WP	WEATHER PROOF
\( \sum_{\chi} \)	WYE/WYE TRANSFORMER CONNECTION						GROUND FAULT ALARM	XP	EXPLOSION PROOF
	DELTA/DELTA TRANSFORMER CONNECTION					LSIG	LONG TIME TRIP; SHORT TIME TRIP; INSTANTANEOUS TRIP; GROUND FAULT TRIP	*	REFER TO A-002 FOR ABBREVIATIONS NOT INCLUDED IN THIS LIST
	DELIABELIA HANSI ONWEN CONNECTION					LVL	LEVEL		
d b ATS	AUTOMATIC TRANSFER SWITCH					LVR	LAYOVER		
β						MB	MAIN CIRCUIT BREAKER		
						MBPS	UPS - MAINTENANCE BY-PASS SWITCH - EXTERNAL		
SYMBOLS A	AND LEGEND AS APPLICABLE	SYMBOLS A	AND LEGEND AS APPLICABLE	SYMBOLS A	ND LEGEND AS APPLICABLE	SYMBOLS	AND LEGEND AS APPLICABLE	SYMBOLS	S AND LEGEND AS APPLICABLE

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DATE

2022-01-20

2022-02-22

2022-03-18

2025-04-11

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PROJECT TITLE
CITY OF TORONTO ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO: 9119- 19- 0162 / Arcadis 30279056 DRAWN BY: CHECKED BY: V. MAC M. BOJIC PROJECT MGR:

APPROVED BY: **P. WILLIAMS** F.BOLOURIAN SHEET TITLE ELECTRICAL LEGEND 2

SHEET NUMBER G03-G4002

MOUNTING	G HEIGHTS SCHEDULE
MOUNTING HEIGHTS TO TOP OF DEVICE. ALL DIMENSIONS ARE ABOVE FINISHED F	LOOR (AFF) UNLESS NOTED OTHERWISE.
MOUNTING HEIGHTS TO TOP OF DEVICE. ALL DIMENSIONS ARE ABOVE FINISHED F LIGHT SWITCH	LOOR (AFF) UNLESS NOTED OTHERWISE.  -
MOUNTING HEIGH	TS AS APPLICABLE

**GENERAL NOTES:** 

- 1. PROVIDE 1-#6 GND WIRE FOR ALL UNDERGROUND EMPTY CONDUITS AND COMMUNICATIONS CONDUITS WITHOUT METAL WIRING/CABLES TO FACILITATE FUTURE DETECTION.
- 2. NO SPLICES ARE ALLOWED FOR COMMUNICATION CABLES.
- 3. NO SPLICES ARE ALLOWED BELOW GRADE FOR POWER WIRE AND CABLE.
- 4. THERE MUST BE A BREAK IN ALL UNDERGROUND CONDUITS OUTSIDE THE BUILDING/TOWERS/ELECTRICAL/COMMUNICATIONS/BOILER ROOM TO ALLOW DRAINAGE OF RACEWAY BEFORE ENTERING THE ROOMS.
- 5. PROVIDE LAYOUT (WITH DIMENSIONS) OF ALL UNDERGROUND PULL POINTS INCLUDING HAND HOLES, MAN HOLES AND CONCRETE PULL BOXES TO THE CONSULTANT FOR APPROVAL PRIOR TO INSTALLATION.
- 6. INSTALL HAND HOLES AWAY FROM MAJOR TRAFFIC AREAS (TYPICAL).
- 7. PROVIDE HEAT TRACING PROTECTION FOR WATER PIPES, STORM PIPES AND SANITARY PIPES AS SHOWN ON ELECTRICAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR PIPING LAYOUT. HEAT TRACING SHALL BE RAYCHEM MODEL #8XL-TRACE, 208V, 1PH, SELF REGULATING TRACING CABLE OR APPROVED EQUIVALENT, C/W POWER SUPPLY MODULE, THERMOSTAT AND ALL ACCESSORIES FOR A COMPLETE AND FUNCTIONING SYSTEM. STARTUP TEMPERATURE -29°C (-20°F).
- 8. WHERE CONDUITS ARE INSTALLED ACROSS EXPANSION JOINTS, PROVIDE CONDUITS WITH EXPANSION/CONTRACTION FITTINGS.
- 9. <u>ELEVATOR FIRE ALARM AUTOMATIC RECALL:</u>

ELEVATOR LOBBY MOUNTED FIRE DETECTORS AND SECURITY PANEL TO RECALL ELEVATORS TO DESIGNATED LEVEL UPON FIRE ALARM. SHOULD DETECTOR AT DESIGNATED LEVEL ELEVATOR LOBBY INDICATE FIRE, ELEVATOR TO BE DIRECTED TO ALTERNATE LEVEL. REFER TO ELEVATOR AUTOMATIC FIRE RECAL SCHEDULE. ELEVATOR CONTRACTOR TO COORDINATE WITH TSSA AND CONFIRM DESIGNATED/ALTERNATE LEVELS.

- 10. SMOKE DETECTOR AT TOP OF ELEVATOR SHAFT TO BE AIR SAMPLING SMOKE DETECTOR TYPE. INSTALL CONTROL UNIT IN A TAMPER PROOF ENCLOSURE (NEMA 4X) OUTSIDE OF ELEVATOR CLOSET. AIR SAMPLING SMOKE DETECTOR TO BE EST READY SET BY EDWARDS OR APPROVED EQUAL.
- 11. SITE PLAN DRAWINGS INDICATE UNDERGROUND POWER CONDUITS AND CORRESPONDING PULL POINTS (CONCRETE PULL BOXES, HAND HOLES OR MAN HOLES). WHERE OEC REQUIRES ADDITIONAL PULL POINTS FOR WIRING SEPARATION, PROVIDE ADDITIONAL CONCRETE PULL BOX (OR HAND HOLE) AS REQUIRED. IF AN ADDITIONAL MAN HOLE IS REQUIRED, IT IS PREFERRED TO PROVIDE AN ADDITIONAL HAND HOLE OR CONCRETE PULL BOX IF POSSIBLE.

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M5V 3C6

Arcadis Professional Services (Canada) Inc.

ISSUE	ISSUES					
No.	DESCRIPTION	DATE				
Α	50% SUBMISSION	2022-01-20				
В	90% SUBMISSION	2022-02-22				
С	ISSUED FOR PERMIT	2022-03-18				
D	ISSUED FOR TENDER	2025-04-11				
		•				

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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO: 9119- 19- 0162 / Arcadis 30279056

 DRAWN BY:
 CHECKED BY:

 V. MAC
 M. BOJIC

 PROJECT MGR:
 APPROVED BY:

F.BOLOURIAN
SHEET TITLE

ELECTRICAL GENERAL NOTES

P. WILLIAMS

SHEET NUMBER
G03-G4002

D

2023-02-07 12:34:06 PM

# CITY OF TORONTO ACCESSIBILITY UPGRADES TYPICAL DETAILS BOOKLET

## 9119-19-0162 / Arcadis 30279056

SHEET#	SHEET TITLE
D1000	COVER PAGE & TYPICAL DETAIL LIST
D1001	ACCESSIBILITY DESIGN STANDARDS AND DOOR CLEARANCES
D1002	DOOR ENLARGEMENT
D1201	ACCESSIBLE WASHROOM, SHOWER & ACCESSORIES DETAILS
D1202	UNIVERSAL WASHROOM & SHOWER PLANS
D1203	UNIVERSAL WASHROOM ELEVATIONS
D1204	MULTI-STALL WASHROOM PLANS
D1205	UW - EMERGENCY CALL SYSTEM
D1301	KITCHEN MILLWORK PLANS & ELEVATIONS
D1302	KITCHEN MILLWORK DETAIL SECTIONS
D1303	KITCHEN HOOD VENT DETAIL
D1305	RECEPTION DESK MILLWORK PLANS & ELEVATIONS
D1306	RECEPTION DESK WITH TEMPERED GLASS DETAIL SECTIONS
D1401	STAIR DETAILS - 01
D1402	STAIR DETAILS - 02
D1403	RAMP DETAILS - 01
D1404	RAMP DETAILS - 02
D1405	TACTILE DETAILS
D1501	MISCELLANEOUS DETAILS - 01
D1502	MISCELLANEOUS DETAILS - 02
D1601	ELEVATOR DETAILS
D1602	ELEVATOR CONTROL & INTERIOR CABIN DETAILS
D1701	ACCESSIBLE PARKING AND SITE MARKING DETAILS
D1702	CURB DETAILS
D1801	PHASING / HOARDING DETAILS

	STRUCTURAL TYPICAL DETAILS INDEX	MECHANICAL TYPICAL DETAILS INDEX			
SHEET#	SHEET TITLE	SHEET#	SHEET TITLE		
D2100	CONCRETE - TYPICAL DETAIL	D3201	PLUMBING DETAILS		
D2200	STRUCTURAL STEEL DETAILS - 1	D3301	DRAINAGE DETAILS		
D2201	STRUCTURAL STEEL DETAILS - 2	D3401	FIRE PROTECTION DETAILS		
D2300	MASONRY DETAILS	D3501	HVAC DETAILS		
		D3601	PIPING DETAILS SHEET 1 OF 2		
		D3602	PIPING DETAILS SHEET 2 OF 2		

	ELECTRICAL TYPICAL DETAILS INDEX				
SHE	EET#	SHEET TITLE			
D4	1001	ELECTRICAL DETAILS 1			

ISSUED FOR TENDER





55 John ST. TORONTO, ON M5V 3C6

ISSUES

No.DESCRIPTIONDATEAISSUED FOR TENDER2025-04-11



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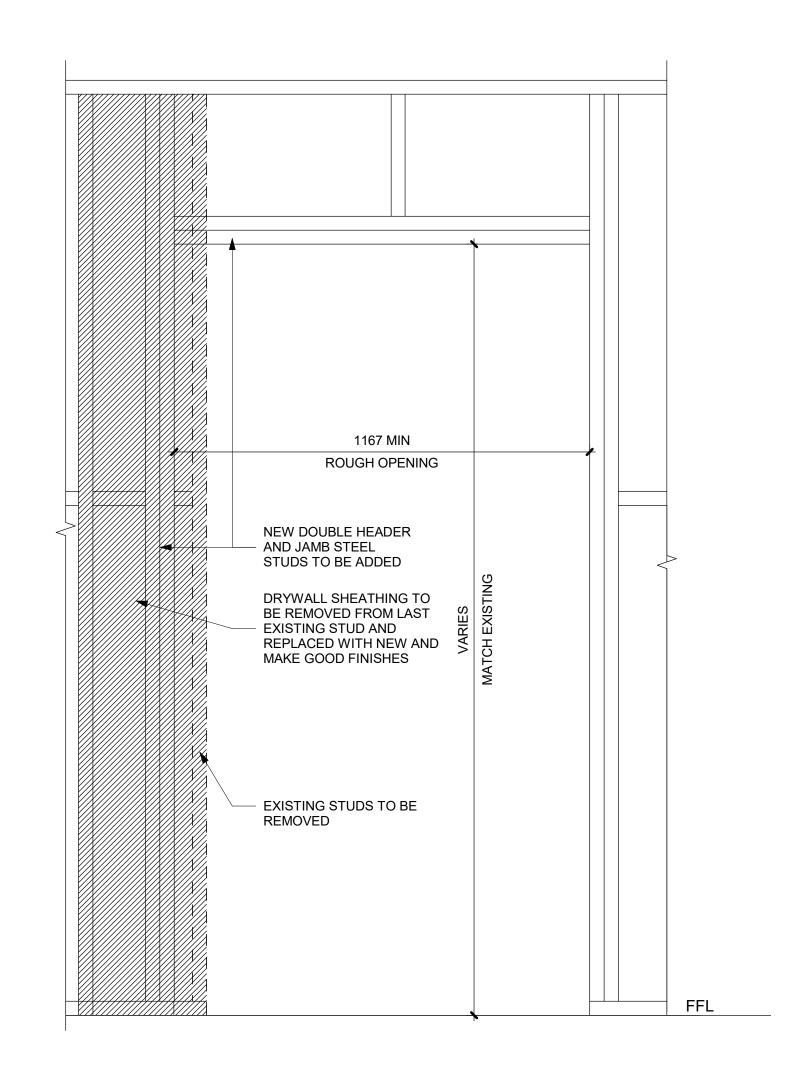
DATE: 2025-04-11

SHEET NUMBER

D1000

A





PROPOSED SEQUENCE OF WORK

D1002 Scale: 1:20

CREATE NEW 150x150mm HOLES @ 400mm INTO EXISTING MASONRY WALL AND SHORE THE WALL ABOVE, SEE DETAIL 1.

OR SHORE THE WALL ABOVE BY USING 2 CHANNELS BACK TO BACK AND THROUGH BOLTS @350mm, SEE DETAIL 2

DEMOLISH THE EXISTING LINTEL, THE VOID FOR NEW BEAM AND THE WALL FROM EACH SIDE OF THE NEW OPENING

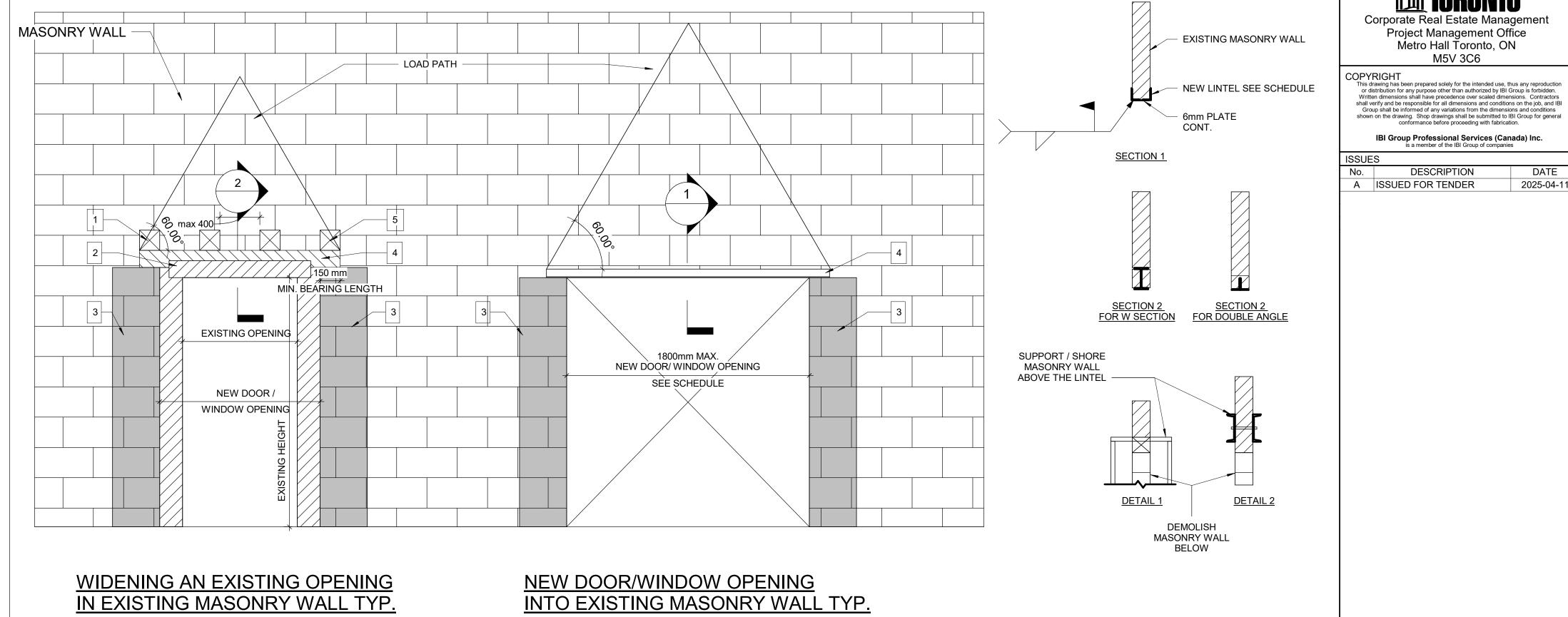
AND BOTTOM OF EACH CORE, INJECT GROUT, CLOSE HOLES WITH MORTAR AND MAKE GOOD SURFACE)

INSTALL NEW LINTEL. SEE LINTEL SCHEDULE FOR LINTEL SIZE

5 ADD MASONRY FACES AT LINTEL AND REPAIR MASONRY COURSE

WIDENING WALL OPENING

FILL TWO CORES MIN. OF EXISTING MASONRY WALL WITH GROUT EACH SIDE OF THE NEW OPENING, (DRILL HOLES TOP



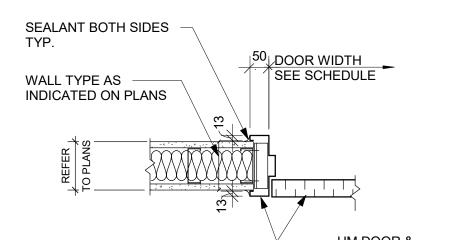
LINTEL:

	<del>-</del> .					
CLEAR SPAN mm (ft-in)	140 (6") WALL	190 (8") WALL	240 (10") WALL	290 (12") WALL	350 WALL	430 WALL
UP TO 1200 (4'-0")	L127x127x7.9	2-L89x89x7.9 +170x6mm PL	L89x89x7.9 +L127x89x7.9 LLV +220x6mm PL	3-L89x89x7.9 +270x6mm PL	3-L127X89X7.9 (LLV)	3-L127X127X7.9 +410X6mm PL
1201 TO 1800 (4'0 - 6'-)	2-L89x64x6.4LLV	2-L127x89x7.9LLV	L127x89x7.9LLV +L127x127x7.9	3-L127x89x7.9LLV		
1801 TO 3100 ( 6'- 10')	2-L89x64x9.5LLV	2-L152x89x9.5LLV	2-L152x89x9.5LLV	3-L152x89x9.5LLV		

OVER ALL OPENINGS IN MASONRY WALLS PROVIDE THE FOLLOWING LINTELS. UNLESS OTHERWISE SHOWN.

CLEAR SPAN mm (ft-in)	140 (6") WALL	190 (8") WALL	240 (10") WALL	290 (12") WALL	350 WALL	430 WALL
UP TO 1200 (4'-0")	L127x127x7.9	2-L89x89x7.9 +170x6mm PL	L89x89x7.9 +L127x89x7.9 LLV +220x6mm PL	3-L89x89x7.9 +270x6mm PL	3-L127X89X7.9 (LLV)	3-L127X127X7 +410X6mm P
1201 TO 1800 (4'0 - 6'-)	2-L89x64x6.4LLV	2-L127x89x7.9LLV	L127x89x7.9LLV +L127x127x7.9	3-L127x89x7.9LLV		
1801 TO 3100 ( 6'- 10')	2-L89x64x9.5LLV	2-L152x89x9.5LLV	2-L152x89x9.5LLV	3-L152x89x9.5LLV		

1 DRYWALL - DOOR CUTOUT DETAIL D1002 Scale: 1:10



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Corporate Real Estate Management

Project Management Office Metro Hall Toronto, ON

M5V 3C6

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2025-04-11

DESCRIPTION

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PROJECT TITLE CITY OF TORONTO ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO: 9119- 19- 0162 / Arcadis 30279056 DRAWN BY: CHECKED BY:

A. BOYNARIAN K. TILAHUN APPROVED BY: **E. FENUTA** PROJECT MGR: F.BOLOURIAN SHEET TITLE

DRYWALL CUT OUT

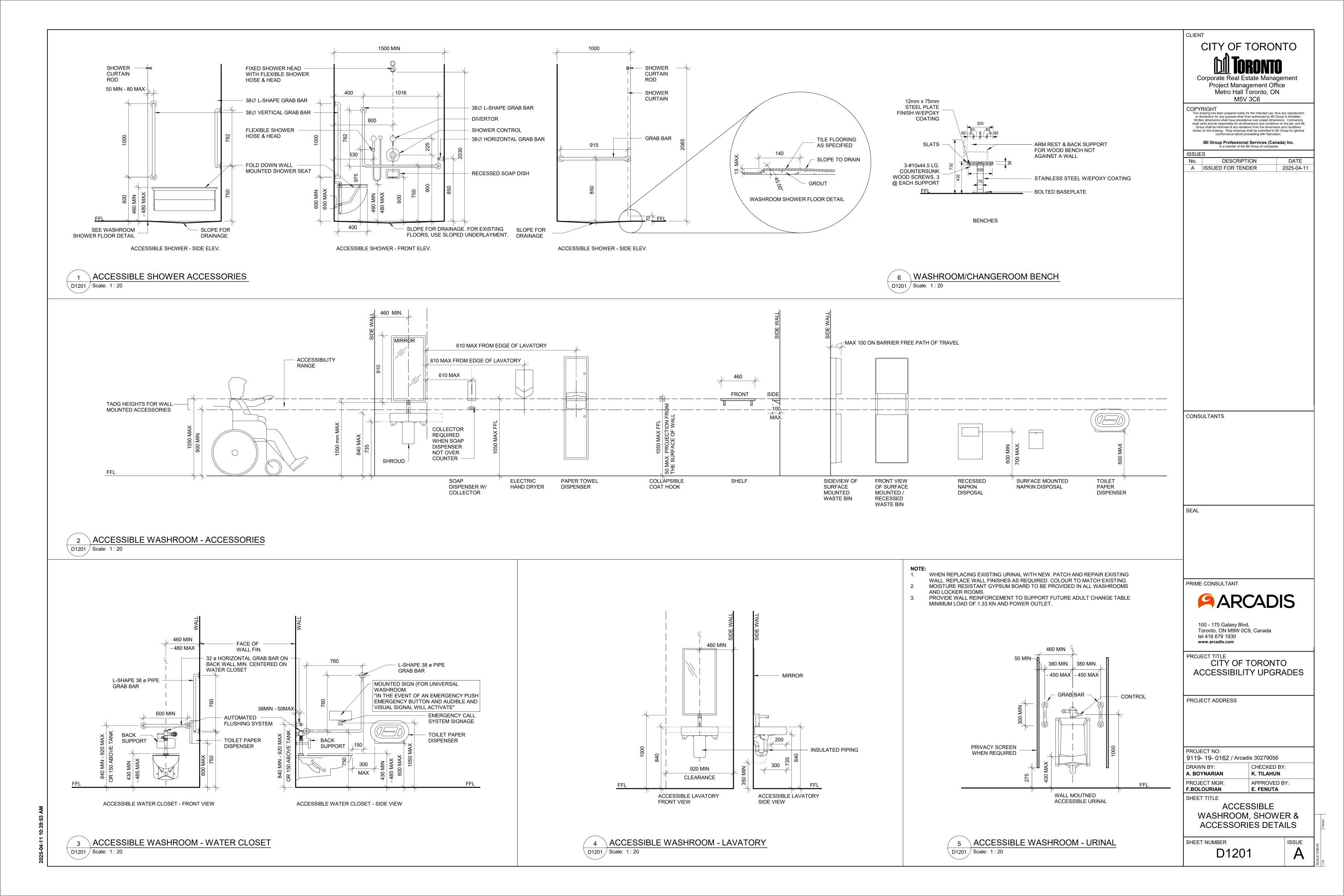
SHEET NUMBER

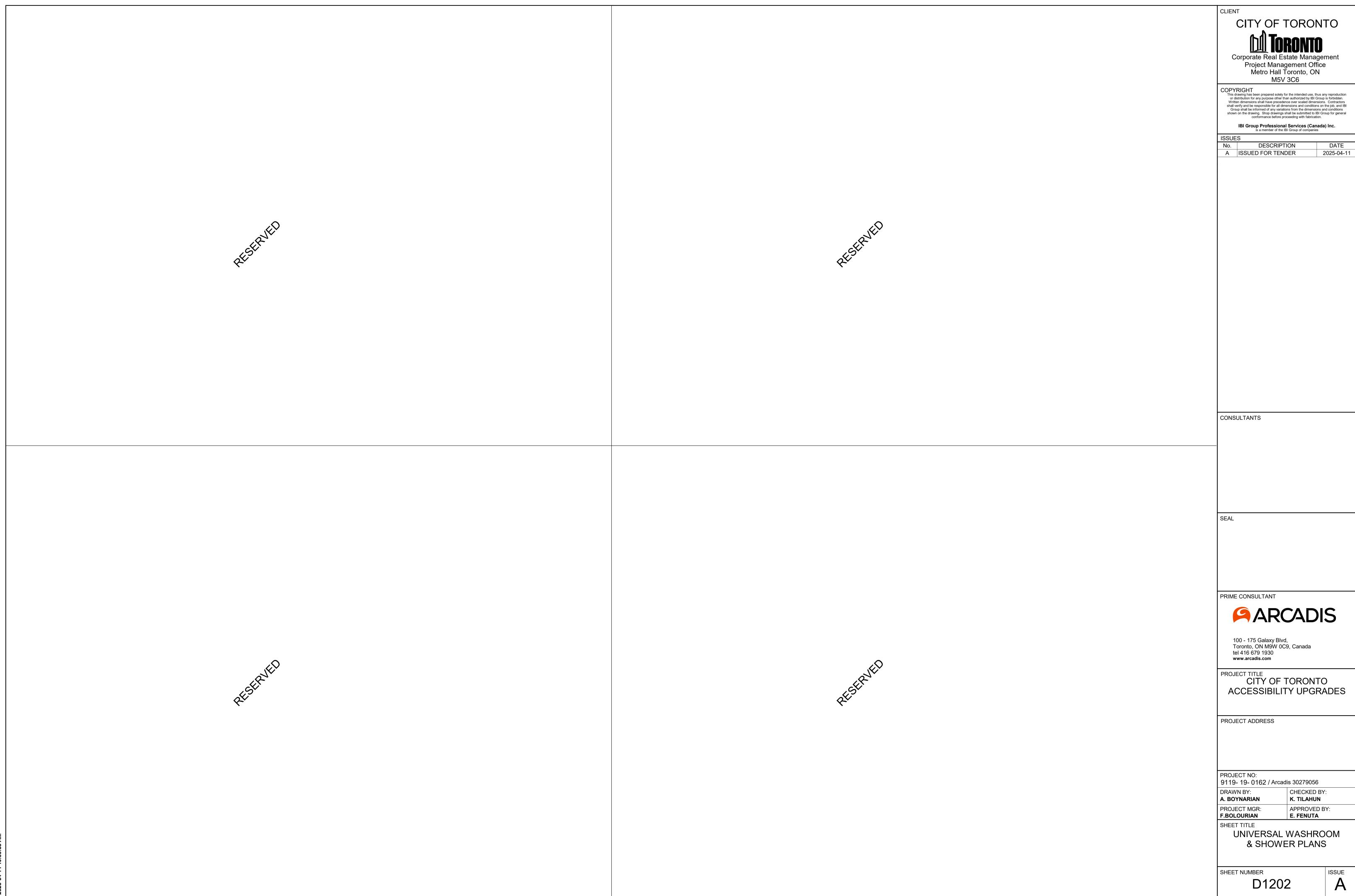
D1002

NOTE: FOR MASONRY WALL CUT OUT, REFER TO STRUCTURAL DETAIL

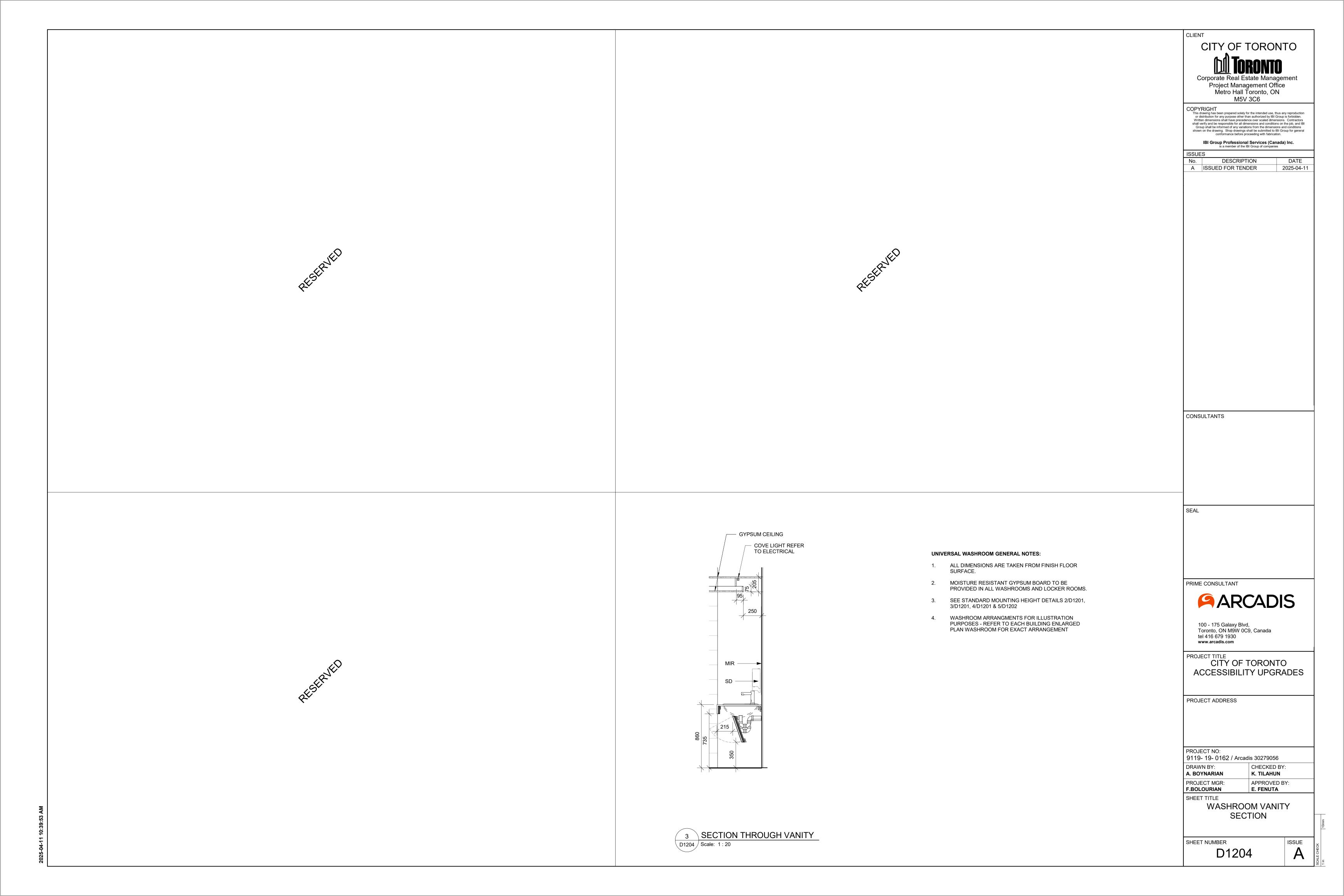
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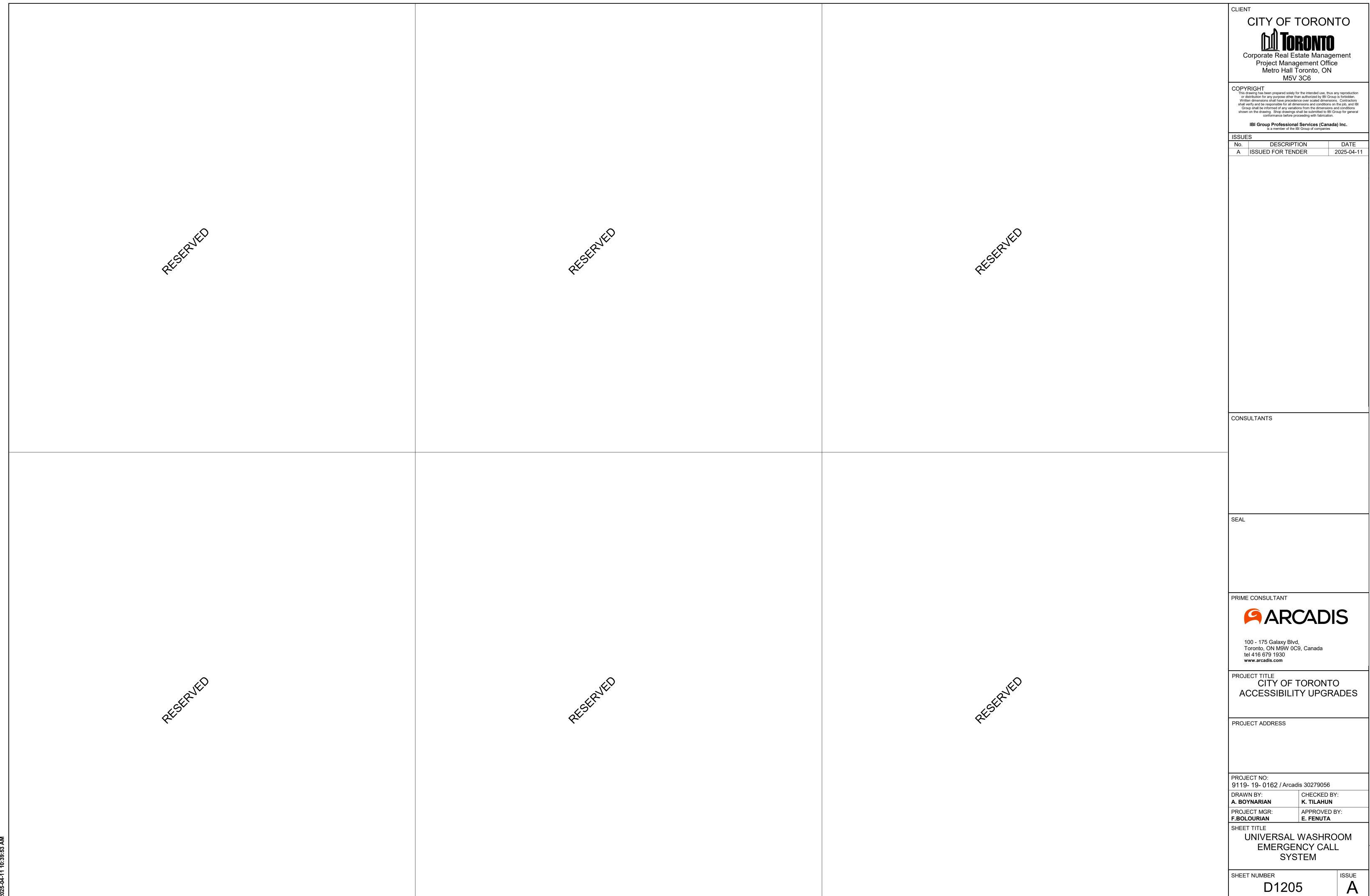
2 DRYWALL - DOOR JAMB SECTION DETAIL D1002 Scale: 1:10



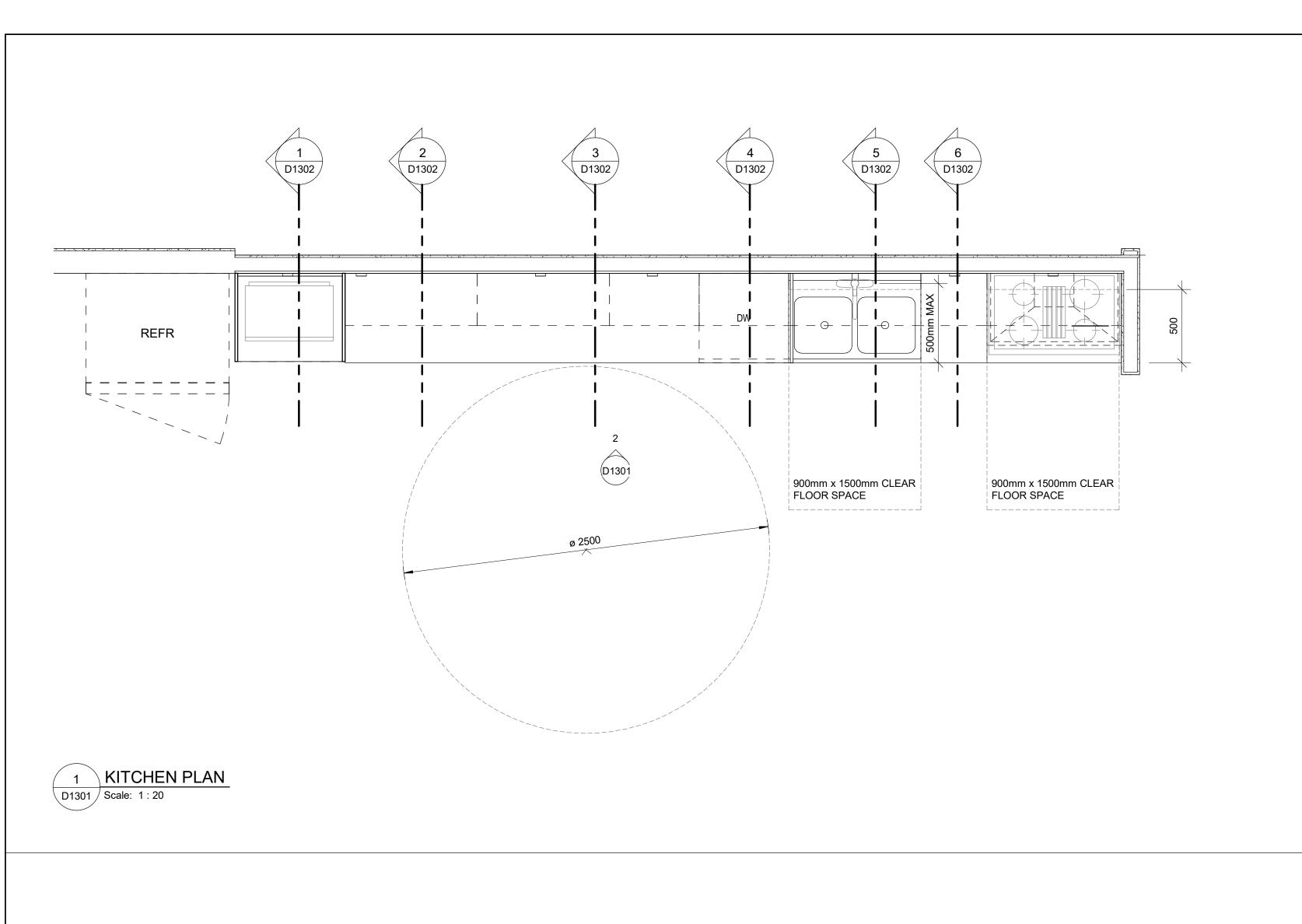


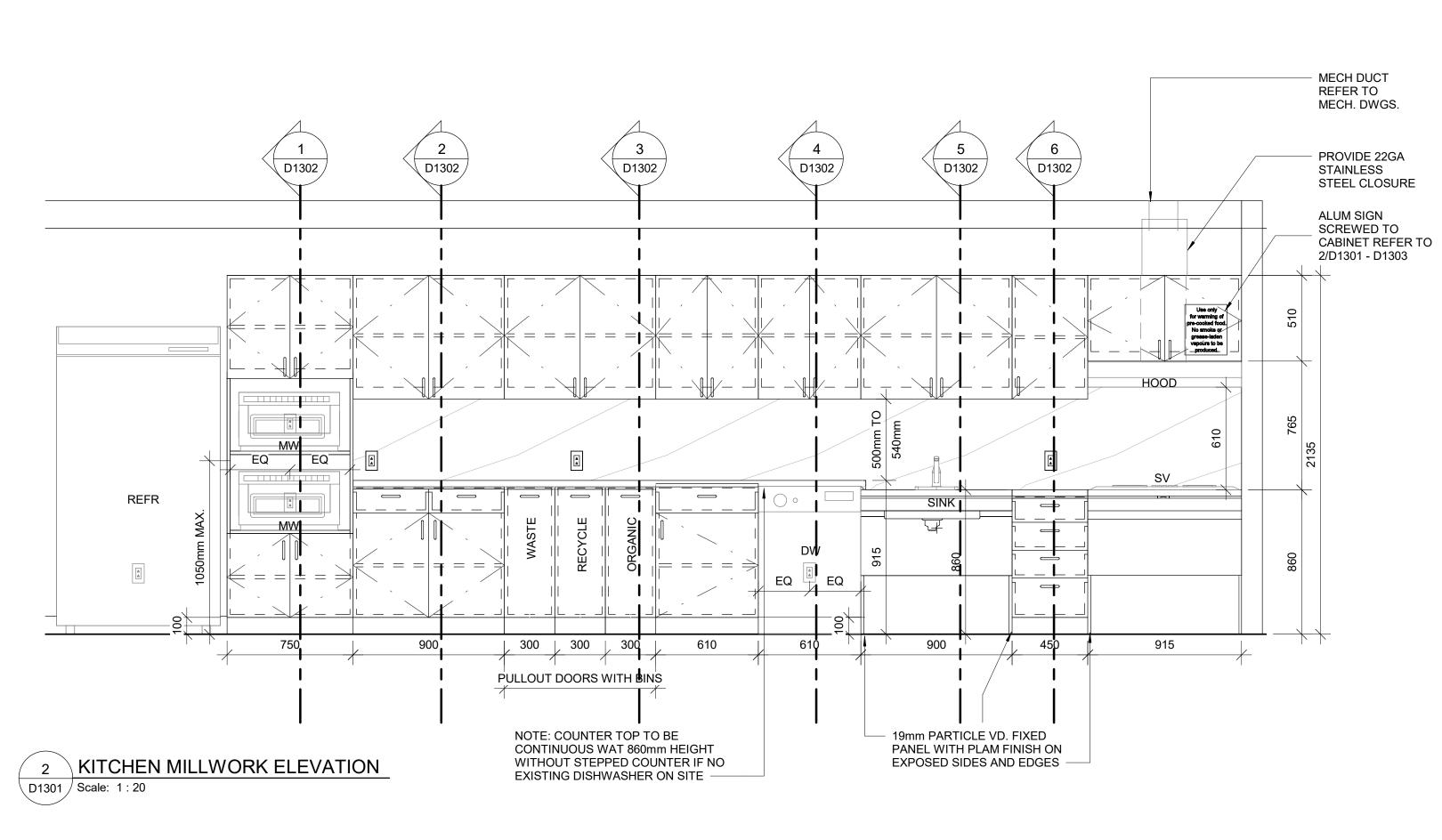
RESERVED.	ak strain and a st	RESERVED	CITY OF TORONTO  Corporate Real Estate Management Project Management Office Metro Hall Toronto, ON M5V 3C6  COPYRIGHT  This drawing has been prepared solely for the intended use, thus any reproduction of statistication for any purpose other than authorized by 181 Croup is orbidden, and hall verify and be responsible for all dismensions and conditions on the job, and 181 Group shall be informed of 181 Corpor for general distributions before proceeding with Indirection.  IBI Group Professional Services (Canada) Inc. is a member of the 181 Group of companies  ISSUES  No. DESCRIPTION DATE A ISSUED FOR TENDER 2025-04-11
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WESTERMEN	RESERVED	RESERVED	PRIME CONSULTANT  PROJECT NO: 9119- 19- 0162 / Arcadis 30279056  DRAWN BY: A. BOYNARIAN PROJECT MGR: F.BOLOURIAN SHEET TITLE UNIVERSAL WASHROOM ELEVATIONS  PROJECT NO: 911203  A 100 - 175 Galaxy Blvd, Toronto, ON M9W 0C9, Canada tel 416 679 1930 www.arcadis.com  PROJECT TITLE CITY OF TORONTO ACCESSIBILITY UPGRADES  PROJECT ADDRESS  PROJECT NO: 9119- 19- 0162 / Arcadis 30279056  DRAWN BY: A. BOYNARIAN K. TILAHUN PROJECT MGR: E. FENUTA  SHEET TITLE UNIVERSAL WASHROOM ELEVATIONS

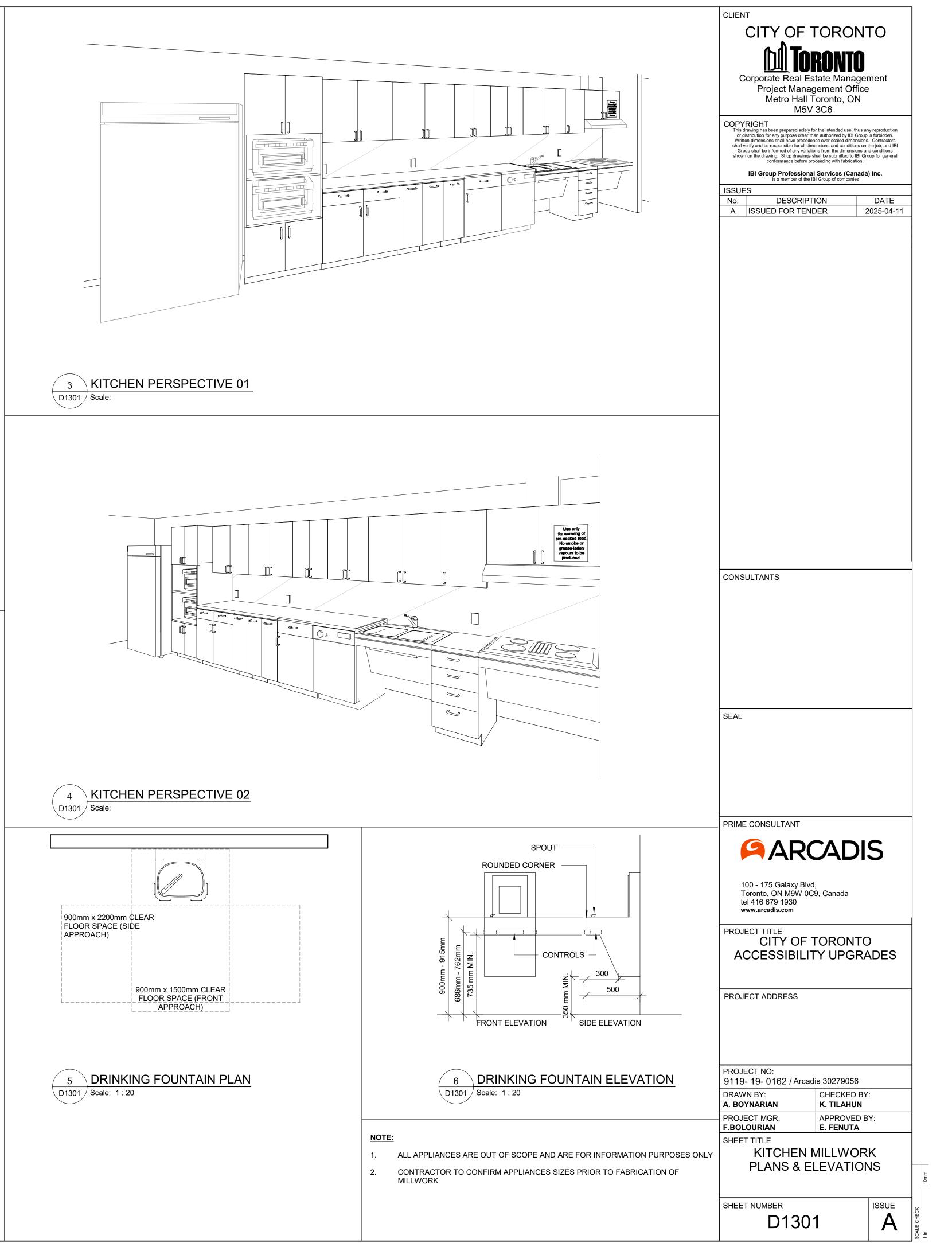




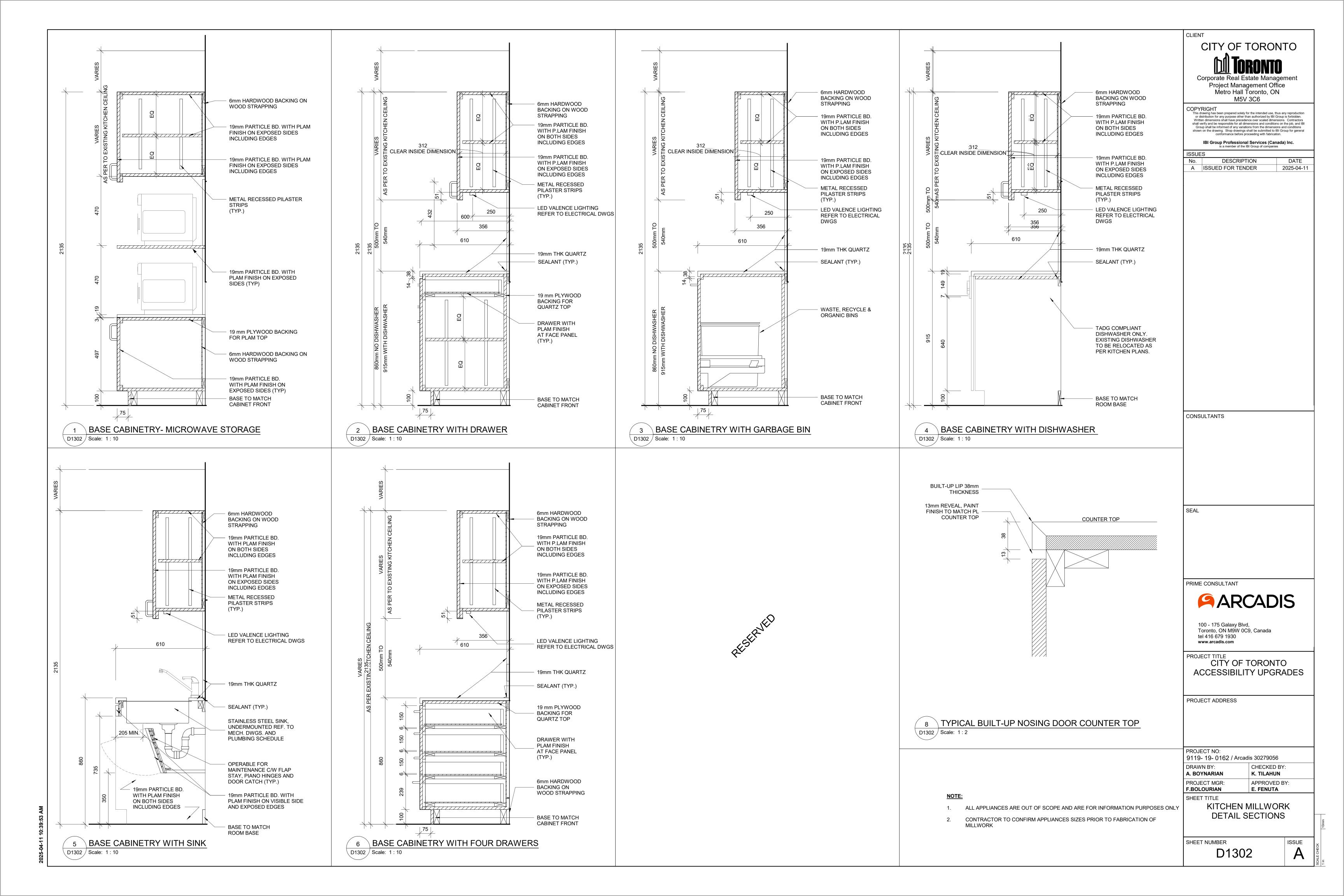
XX 10mm

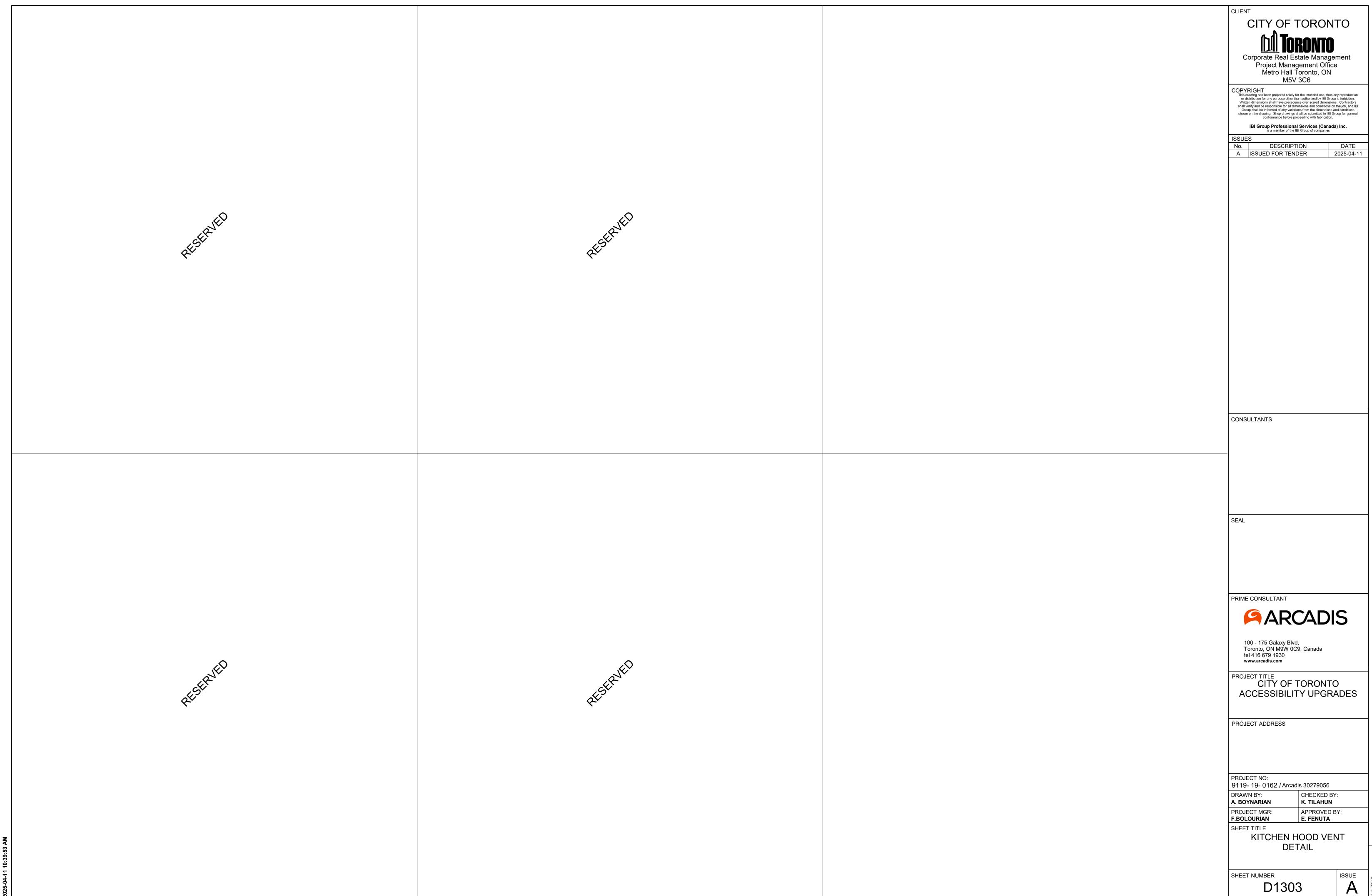




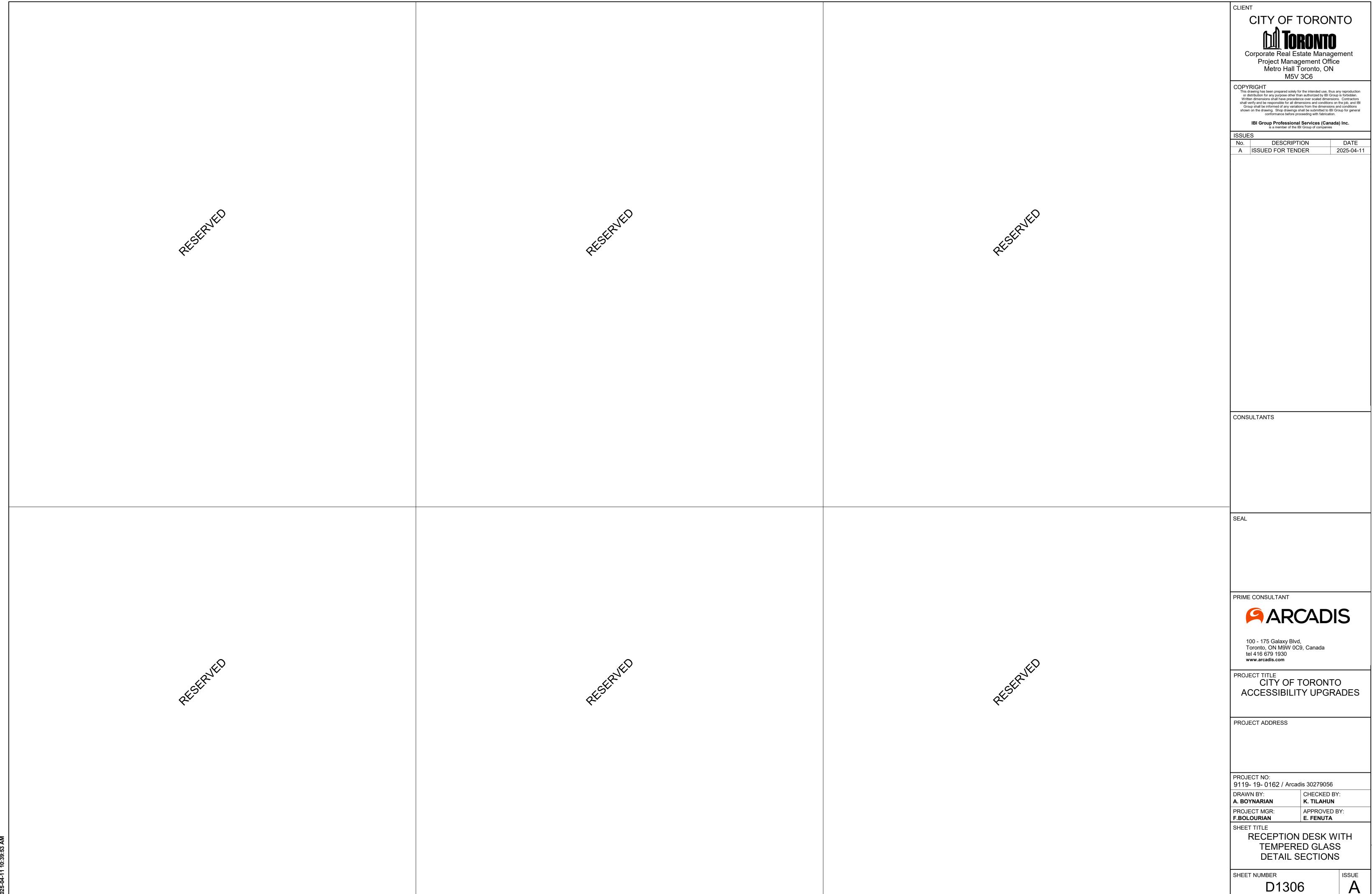


5-04-11 10:39:53 /

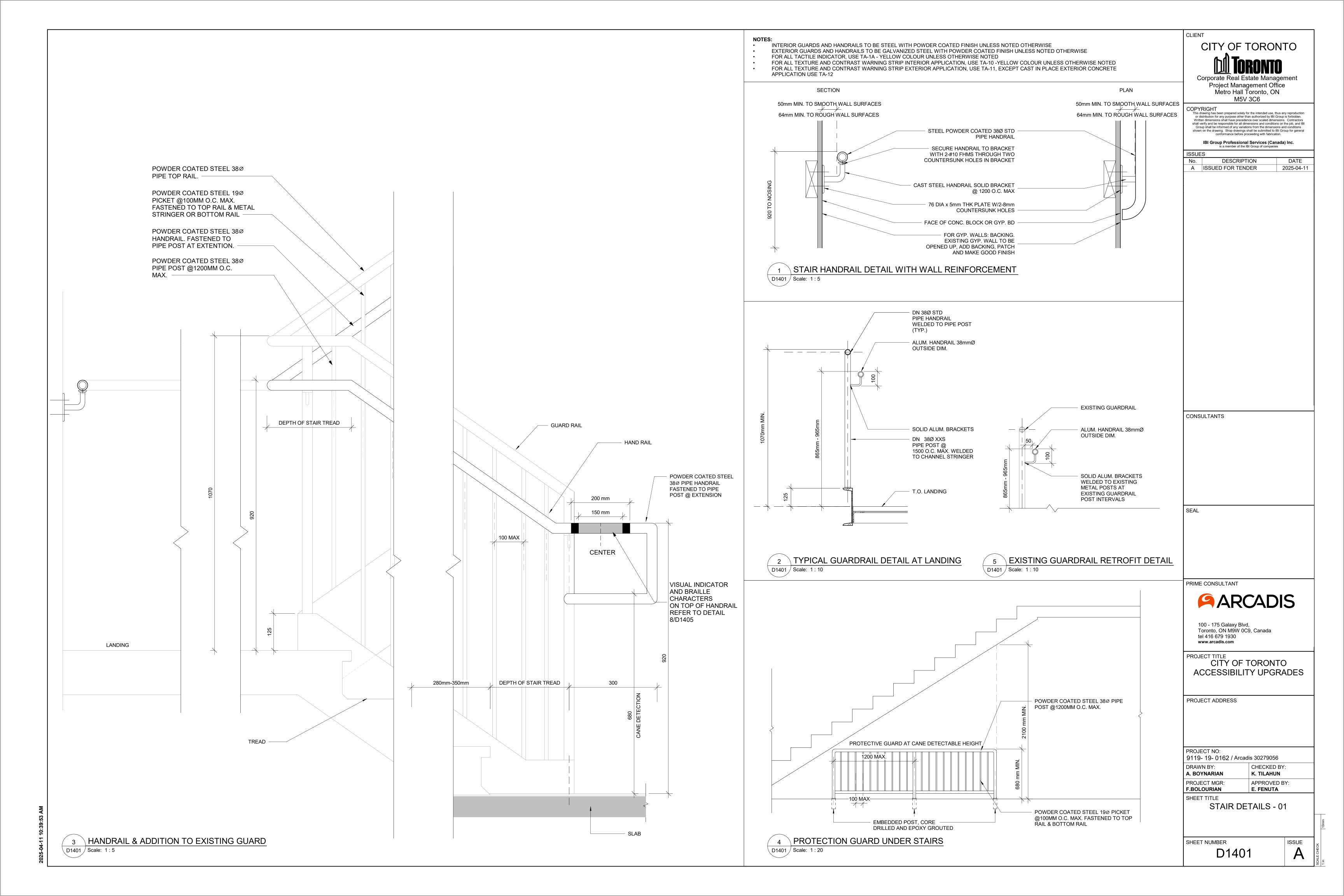


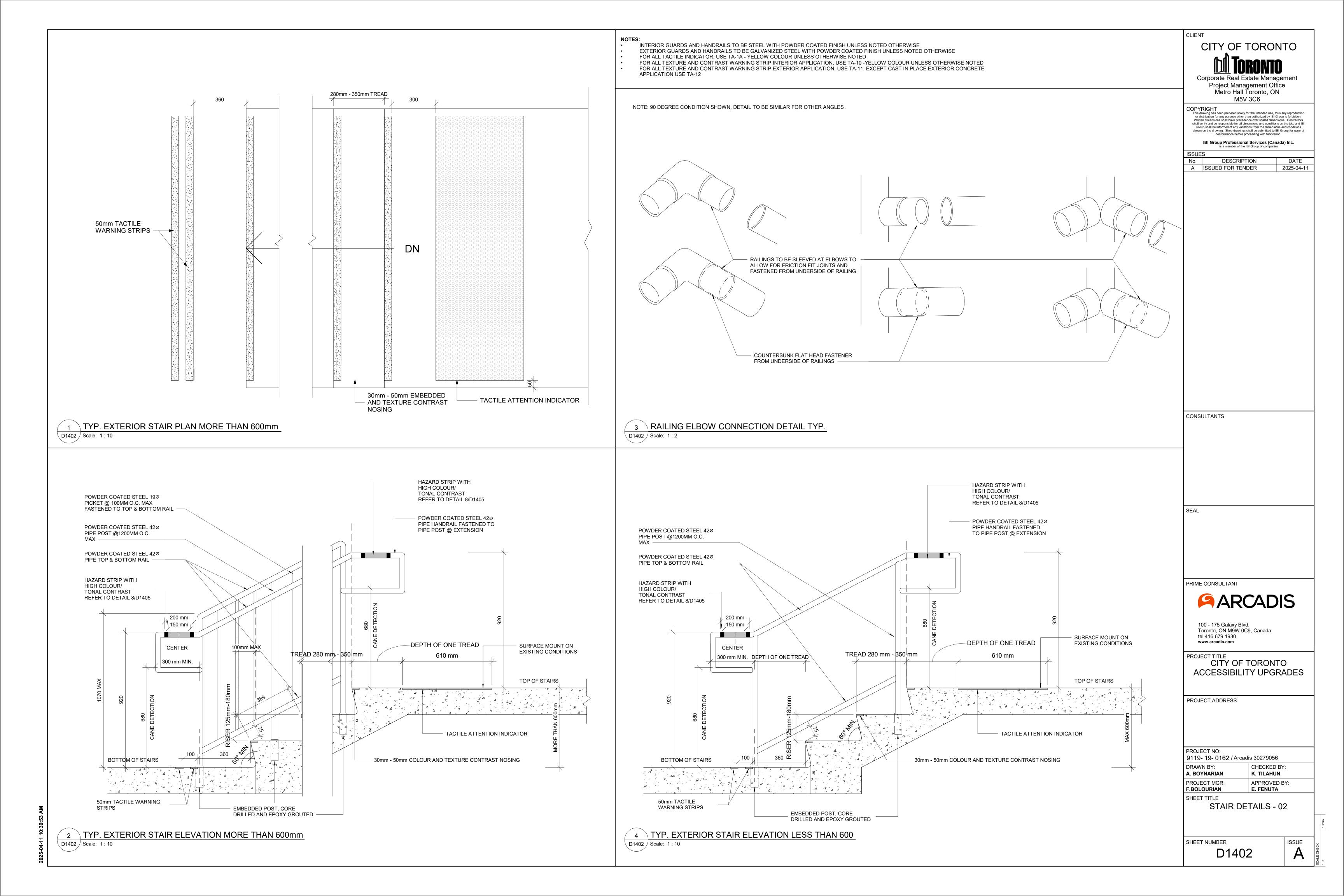


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2025-04-11 10:39:53 AM	RESTRUCTO	at Stanted	PRO.  PRO.  PRO.  9115  DRAW  A. BC  PRO.  F.BO  SHEE	DECT NO: 9- 19- 0162 / Arcadis 30279056 WN BY: OYNARIAN DECT MGR: DLOURIAN ET TITLE RECEPTION DESK WITH TEMPERED GLASS MILLWORK ET NUMBER D1305  ARCADIS  100 - 175 Galaxy Blvd, Toronto, ON M9W 0C9, Canada tel 416 679 1930 www.arcadis.com  DJECT TITLE CITY OF TORONTO ACCESSIBILITY UPGRADES  DJECT ADDRESS  DJECT NO: 9- 19- 0162 / Arcadis 30279056 WN BY: CHECKED BY: K. TILAHUN DECT MGR: APPROVED BY: E. FENUTA  ET TITLE  RECEPTION DESK WITH TEMPERED GLASS MILLWORK  ET NUMBER D1305  A  D1305



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NOTES:

INTERIOR GUARDS AND HANDRAILS TO BE STEEL WITH POWDER COATED FINISH UNLESS NOTED OTHERWISE

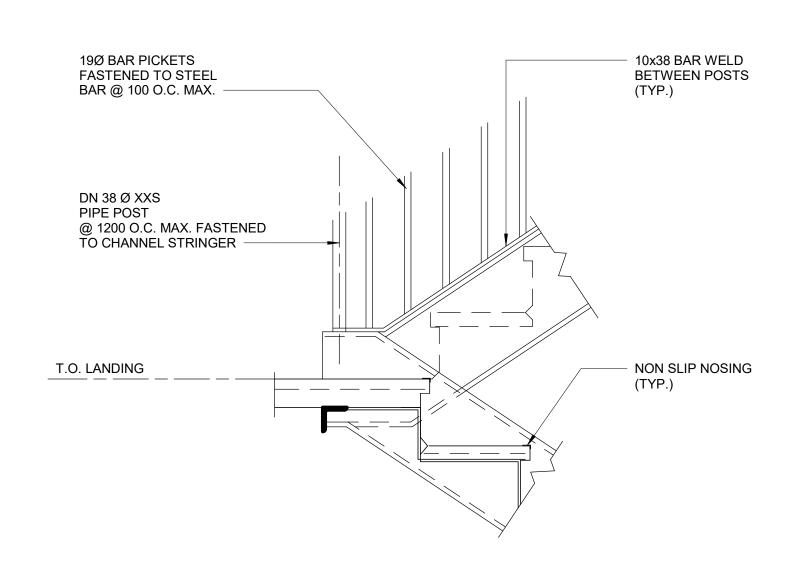
EXTERIOR GUARDS AND HANDRAILS TO BE GALVANIZED STEEL WITH POWDER COATED FINISH UNLESS NOTED OTHERWISE

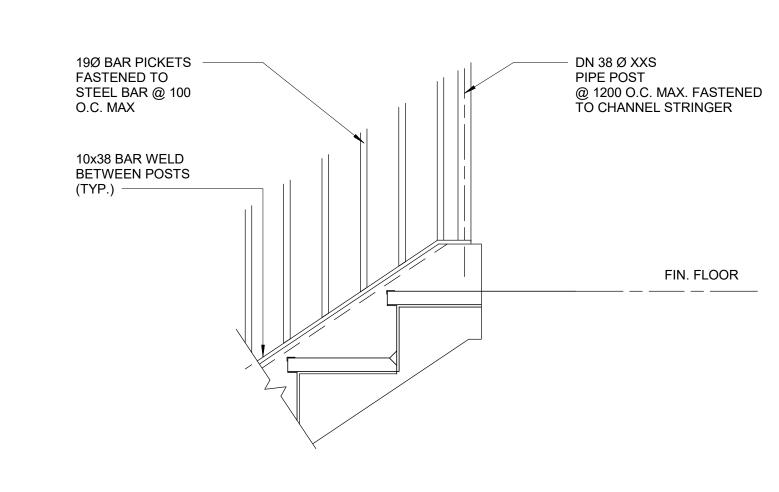
FOR ALL TACTILE INDICATOR, USE TA-1A - YELLOW COLOUR UNLESS OTHERWISE NOTED

FOR ALL TEXTURE AND CONTRAST WARNING STRIP INTERIOR APPLICATION, USE TA-10 -YELLOW COLOUR UNLESS OTHERWISE NOTED FOR ALL TEXTURE AND CONTRAST WARNING STRIP EXTERIOR APPLICATION, USE TA-11, EXCEPT CAST IN PLACE EXTERIOR CONCRETE

APPLICATION USE TA-12

10x38 BAR FASTENED 19Ø BAR PICKETS FASTENED TO BETWEEN POSTS STEEL BAR @ 100 O.C. MAX NON SLIP NOSING (TYP.) DN 38 Ø XXS PIPE POST @ 1200 O.C. MAX. FASTENED TO CHANNEL STRINGER





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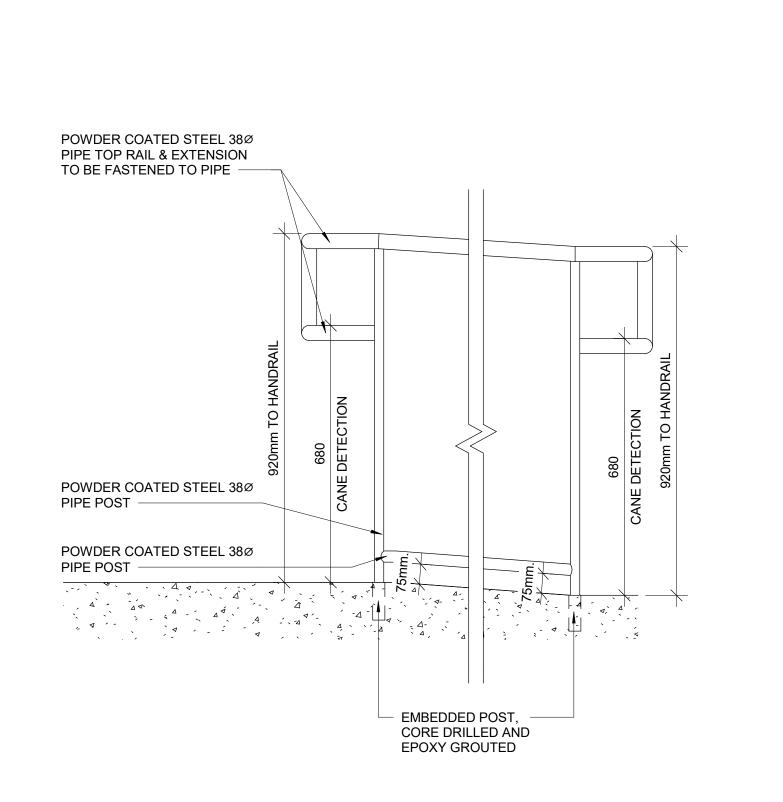
DESCRIPTION

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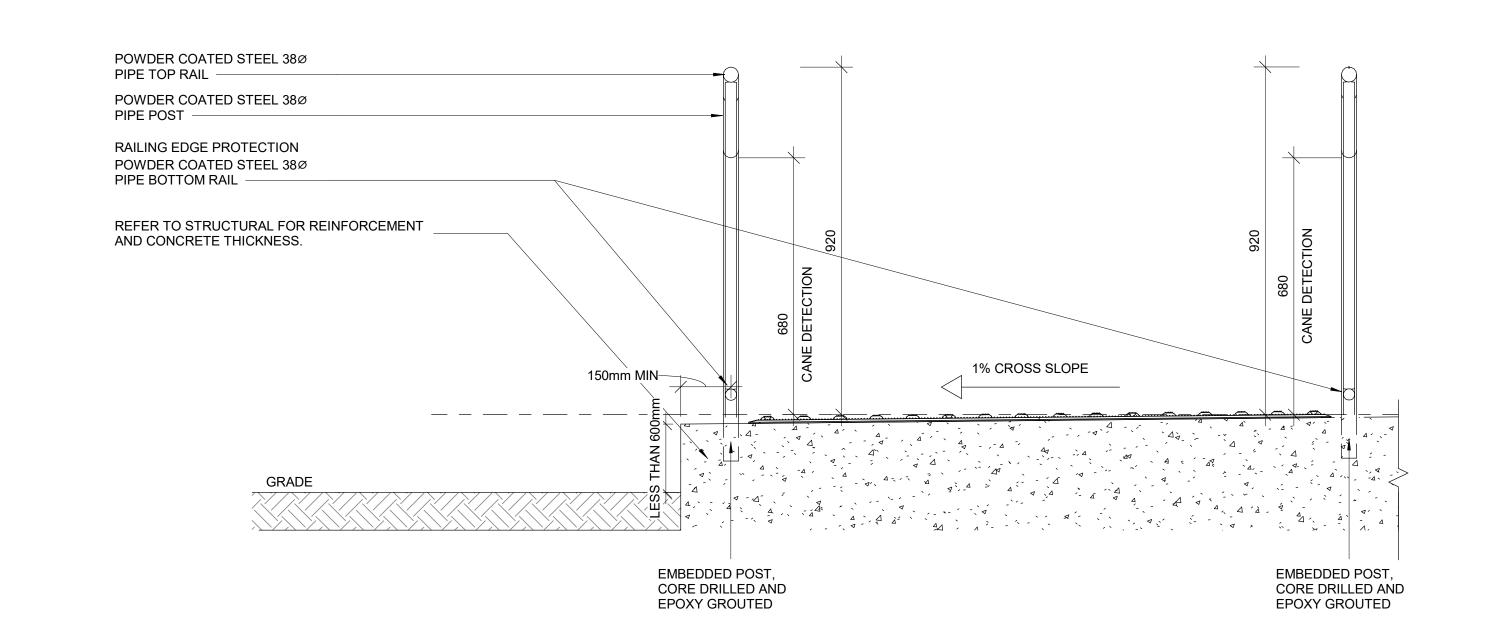
DATE

2025-04-11

✓ 1 TYP. GUARDRAIL CONNECTION DETAIL AT STEEL STRINGER D1403 Scale: 1:10



2 ELEVATION OF GUARDRAIL FOR RAMP AT GRADE DIFFERENCE LESS THAN 600 MM D1403 / Scale: 1:10



3 SECTION OF GUARDRAIL FOR RAMP AT GRADE DIFFERENCE LESS THAN 600 MM D1403 Scale: 1:10

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PROJECT TITLE CITY OF TORONTO ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:

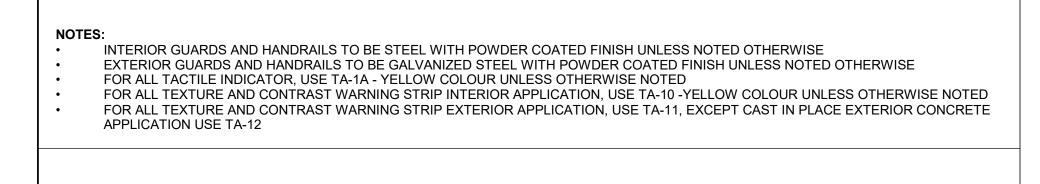
9119- 19- 0162 / Arcadis 30279056 DRAWN BY: CHECKED BY: A. BOYNARIAN K. TILAHUN

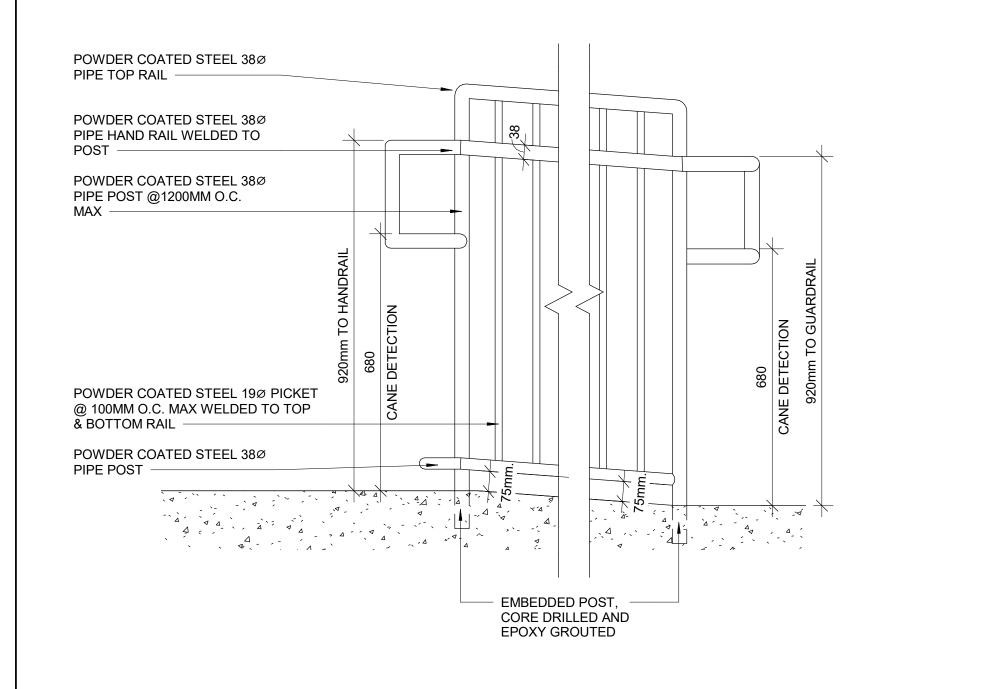
PROJECT MGR APPROVED BY: E. FENUTA F.BOLOURIAN SHEET TITLE

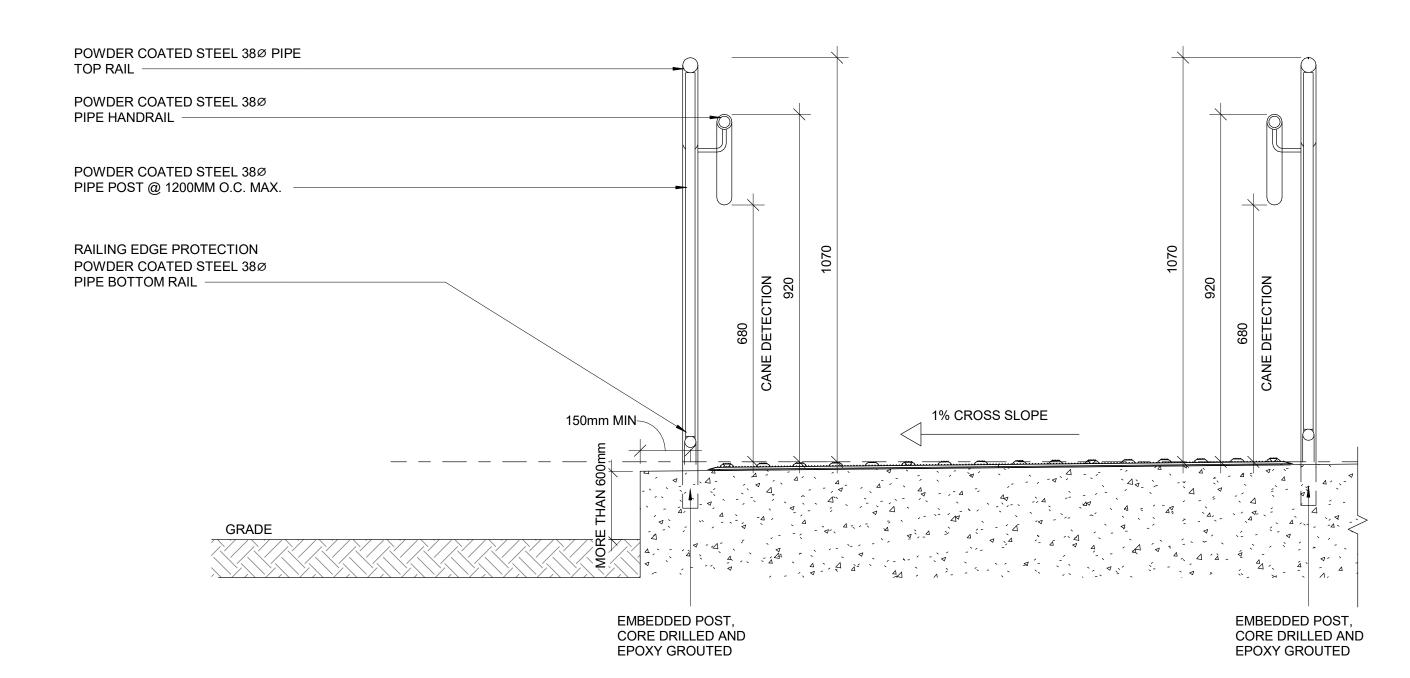
RAMP DETAILS - 01

SHEET NUMBER

D1403







1 ELEVATION OF GUARDRAIL FOR RAMP AT GRADE DIFFERENCE MORE THAN 600 MM D1404 Scale: 1:10

2 SECTION OF GUARDRAIL FOR RAMP AT GRADE DIFFERENCE MORE THAN 600 MM D1404 | Scale: 1:10

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PROJECT ADDRESS

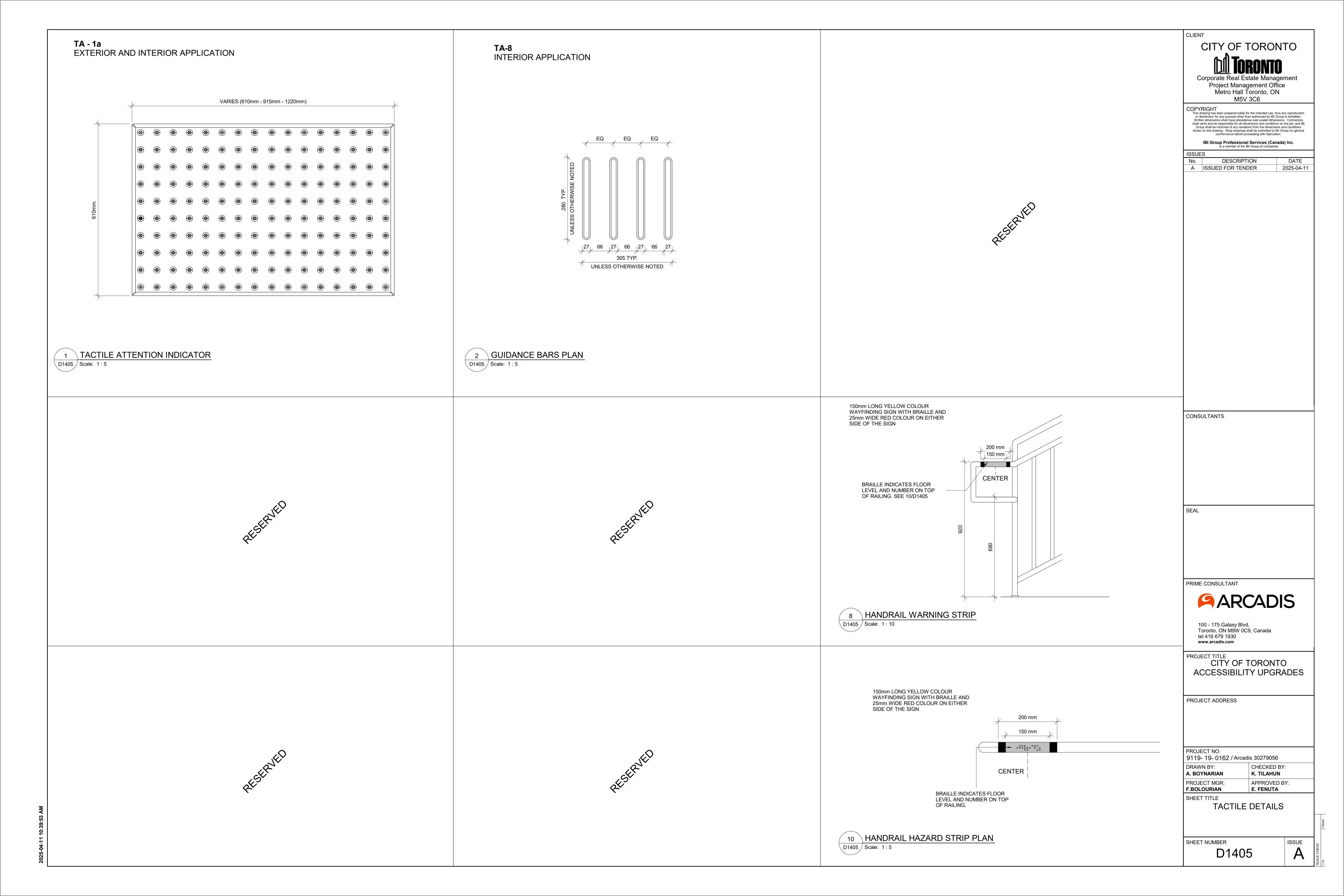
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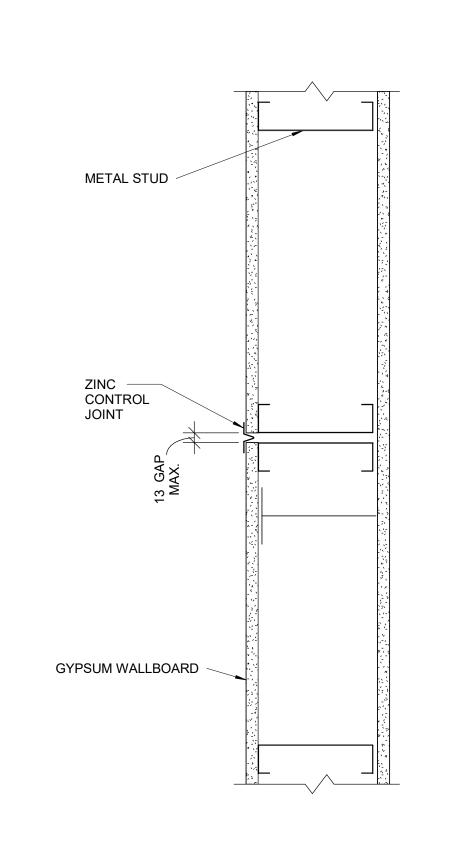
9119- 19- 0162 / Arcadis 30279056 DRAWN BY: CHECKED BY:

K. TILAHUN A. BOYNARIAN APPROVED BY: **E. FENUTA** PROJECT MGR: F.BOLOURIAN

SHEET TITLE RAMP DETAILS - 02

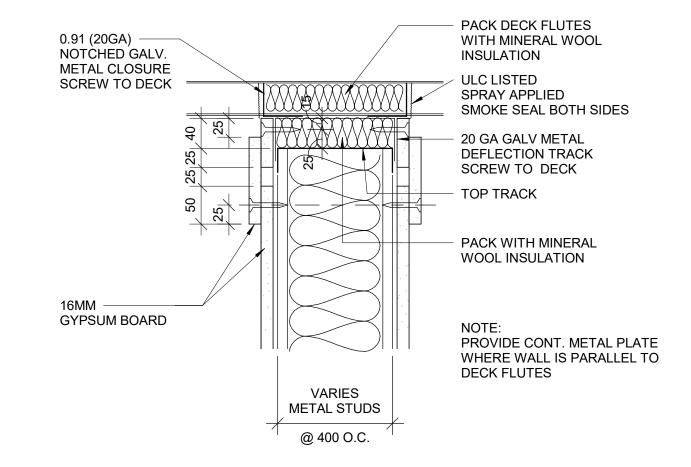
SHEET NUMBER D1404



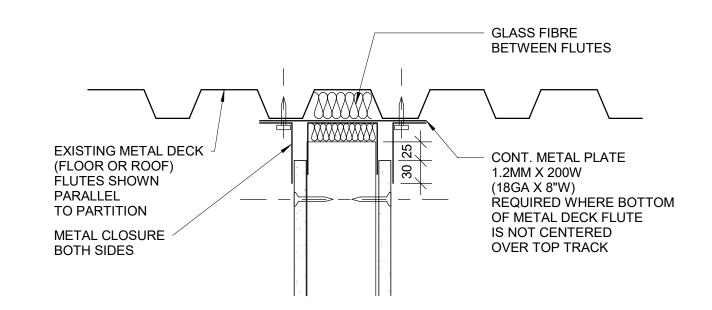


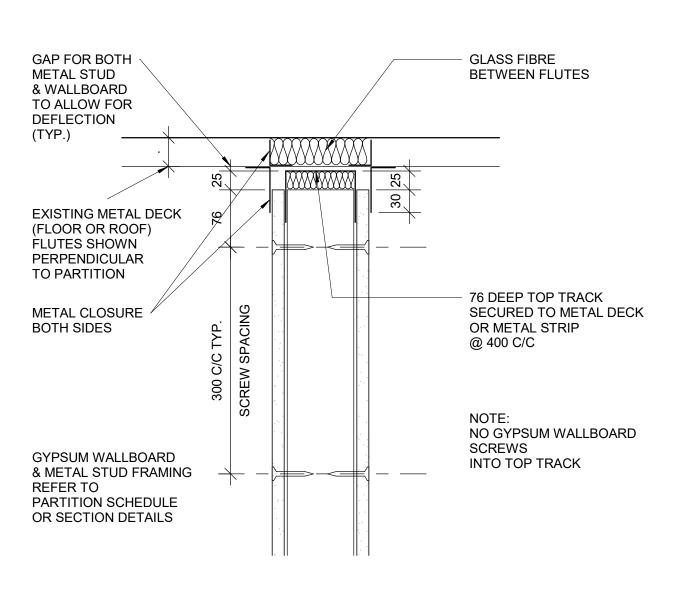
1 CONTROL JOINT PLAN DETAIL - DRYWALL



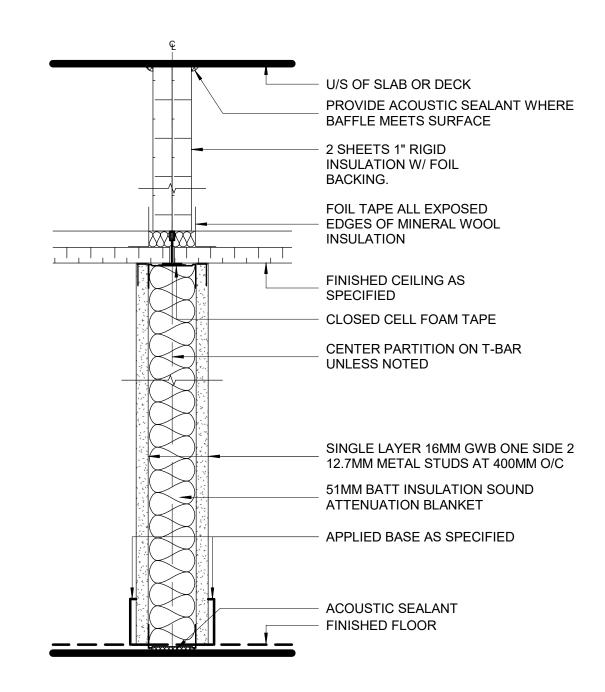


3 HEAD DRYWALL FIRE RATED PARTITION D1501 Scale: 1:5





4 HEAD FULL HEIGHT DRYWALL PARTITION - NON RATED D1501 Scale: 1:5



NOTE: ANCHOR TOP TRACK TO T-BAR WITH CLIPS OR FASTENERS DO NOT SCREW TO MAIN T's

5 DRYWALL - ACOUSTICAL TREATMENT ABOVE CEILING

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PROJECT TITLE CITY OF TORONTO ACCESSIBILITY UPGRADES

PROJECT ADDRESS

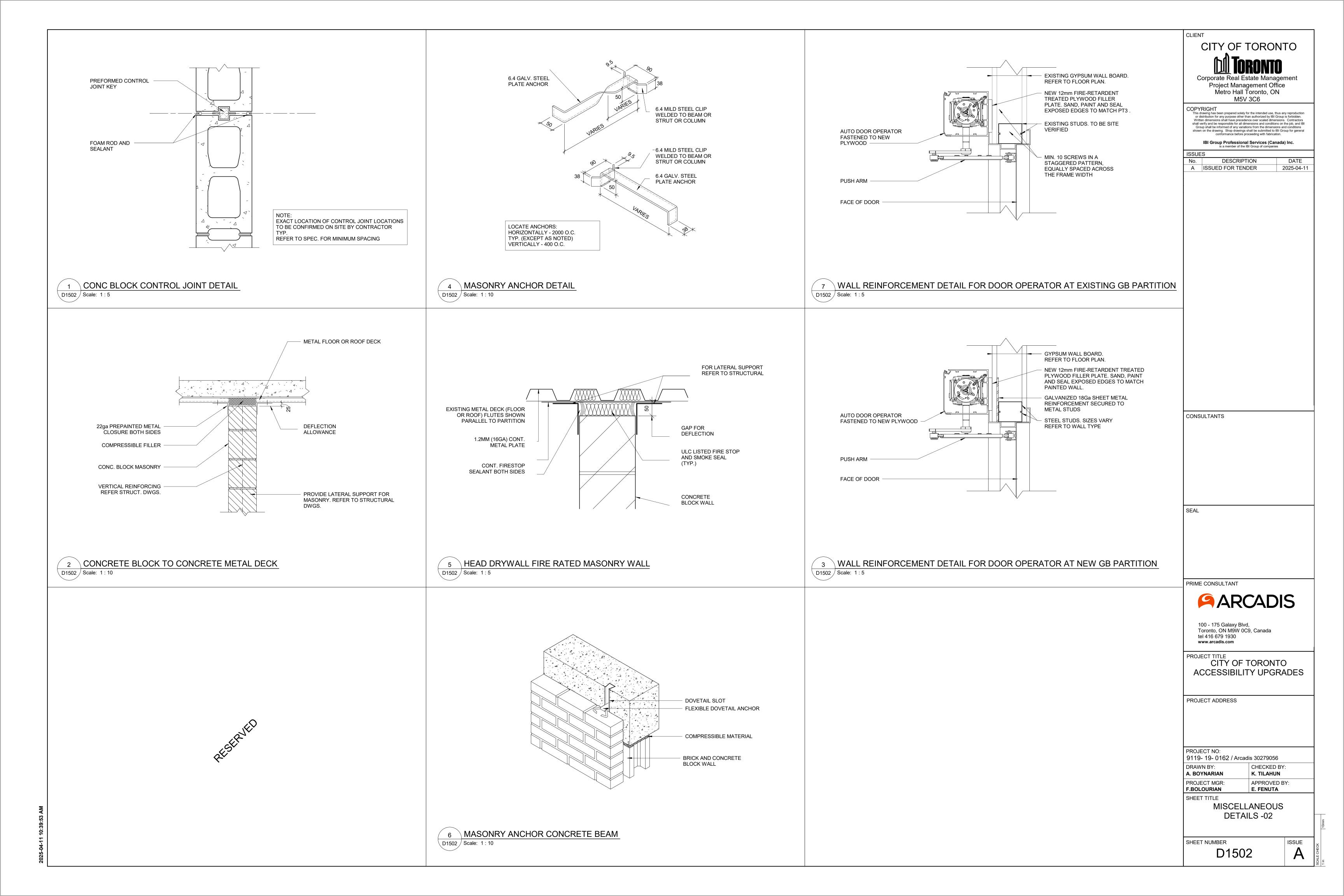
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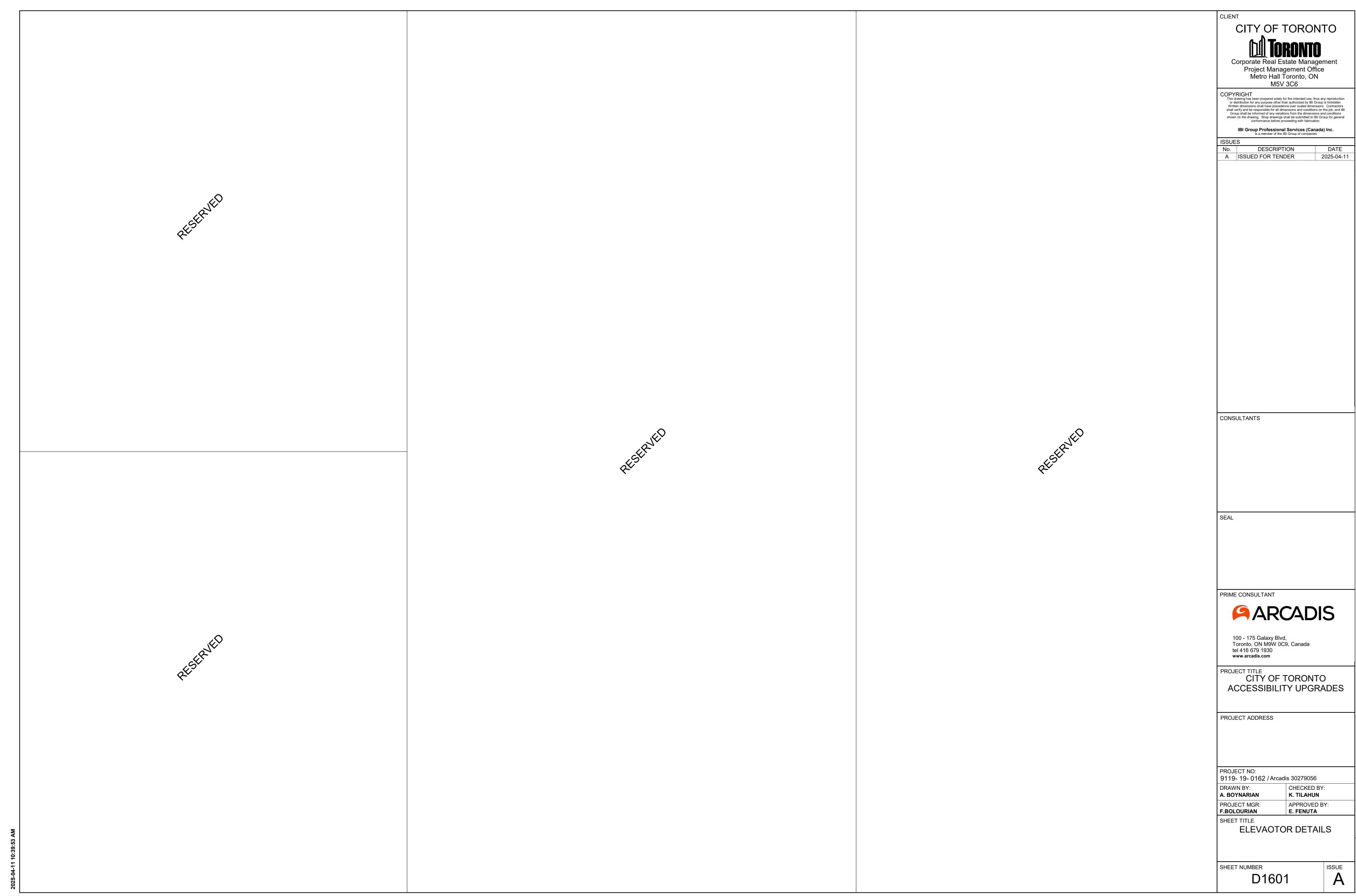
9119- 19- 0162 / Arcadis 30279056 DRAWN BY: CHECKED BY: A. BOYNARIAN K. TILAHUN PROJECT MGR: APPROVED BY:

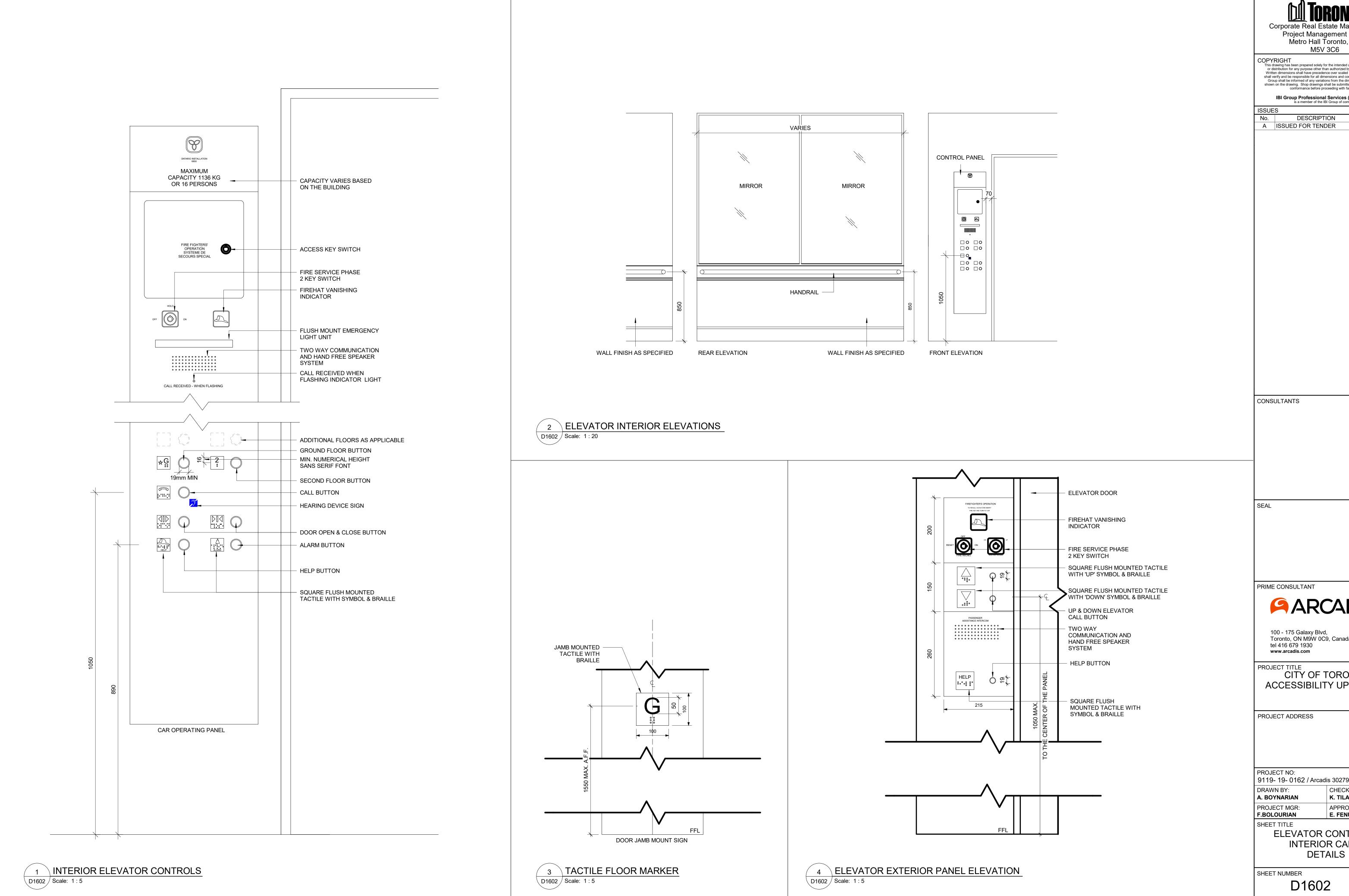
E. FENUTA F.BOLOURIAN SHEET TITLE **MISCELLANEOUS** DETAILS - 01

SHEET NUMBER

D1501







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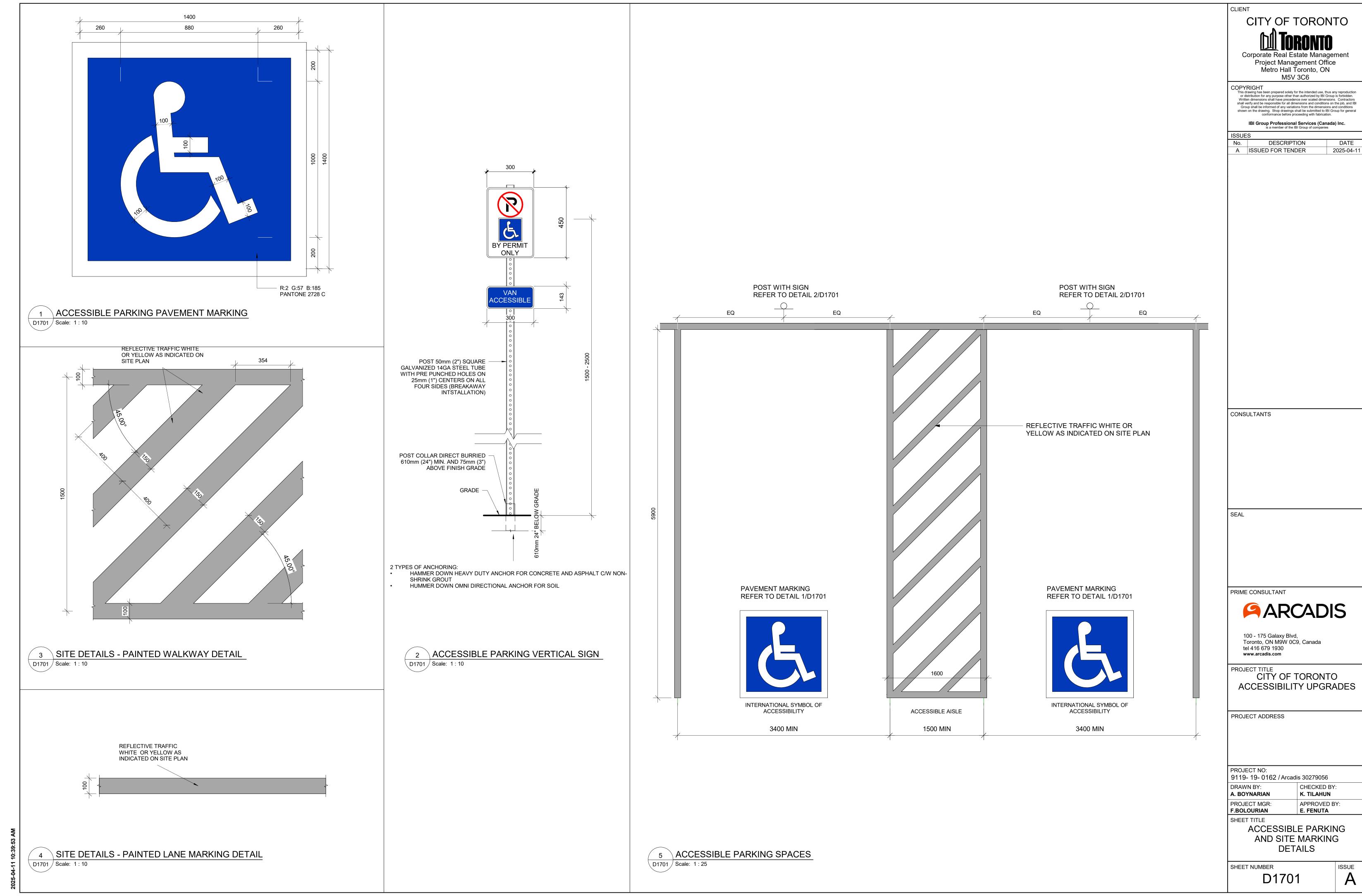
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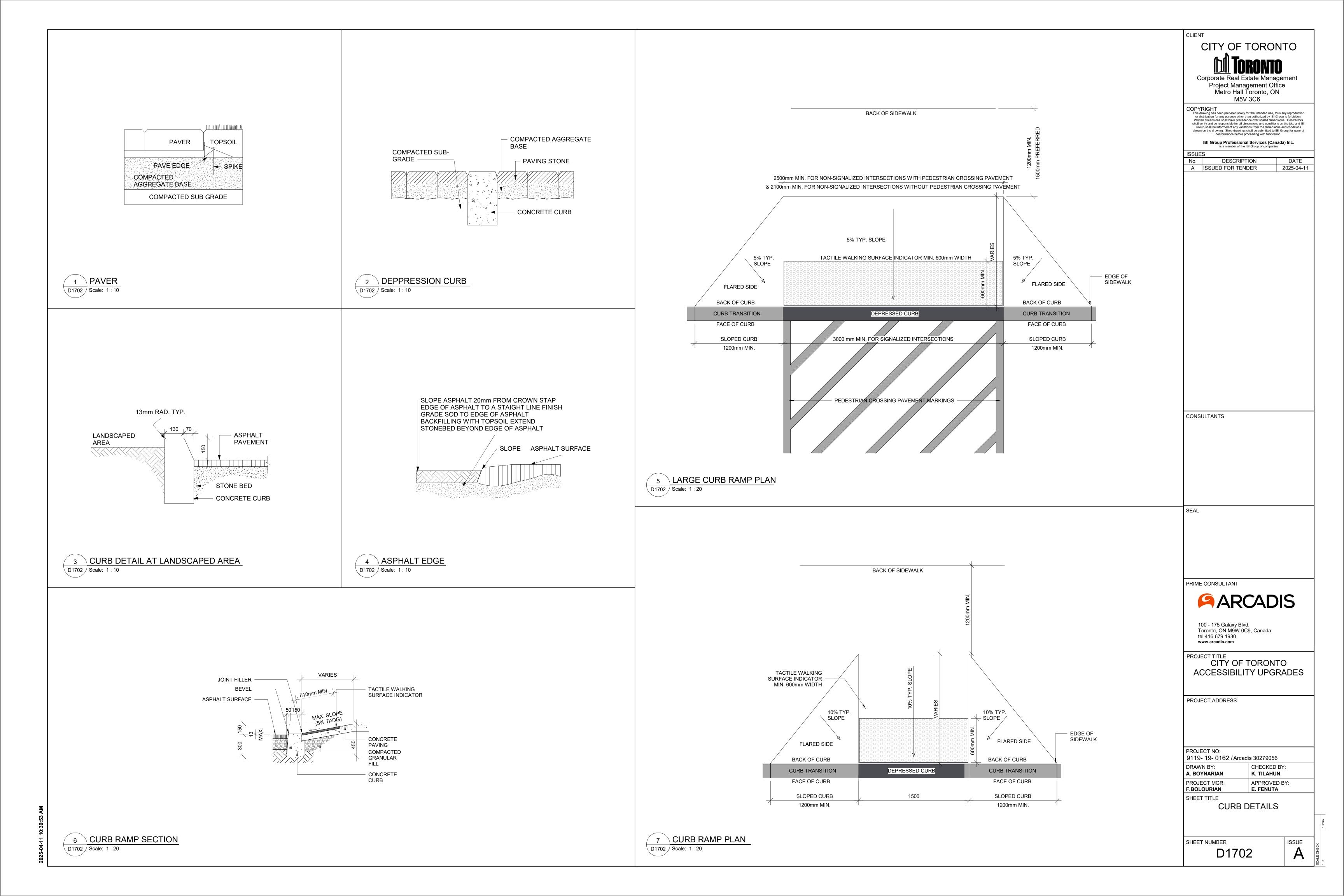
CITY OF TORONTO ACCESSIBILITY UPGRADES

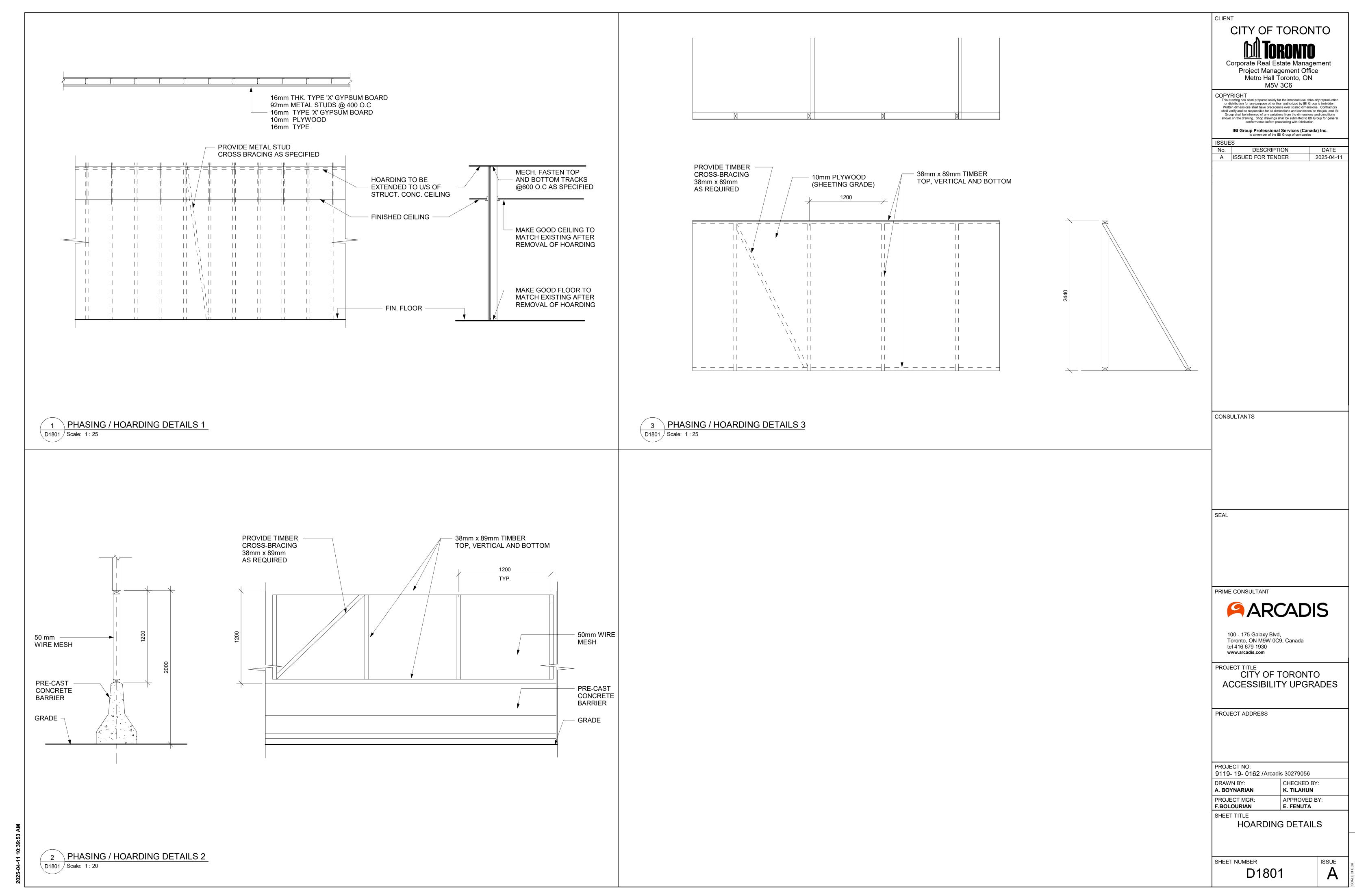
9119- 19- 0162 / Arcadis 30279056

CHECKED BY: K. TILAHUN APPROVED BY: **E. FENUTA** 

**ELEVATOR CONTROL &** INTERIOR CABIN







UNIVERS - CONDENSED

Base font used throughout the signage for the City of Toronto

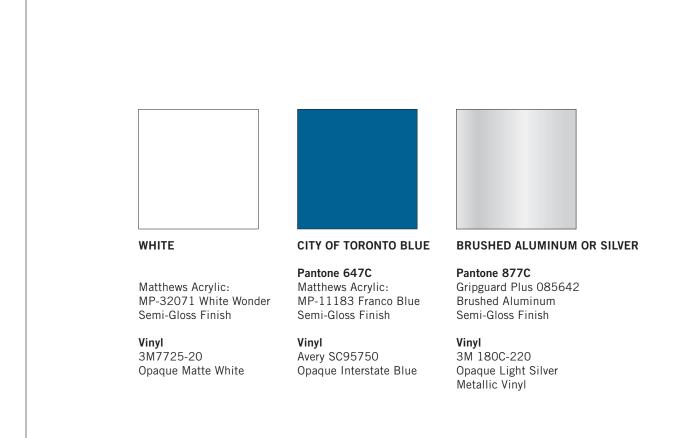
ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

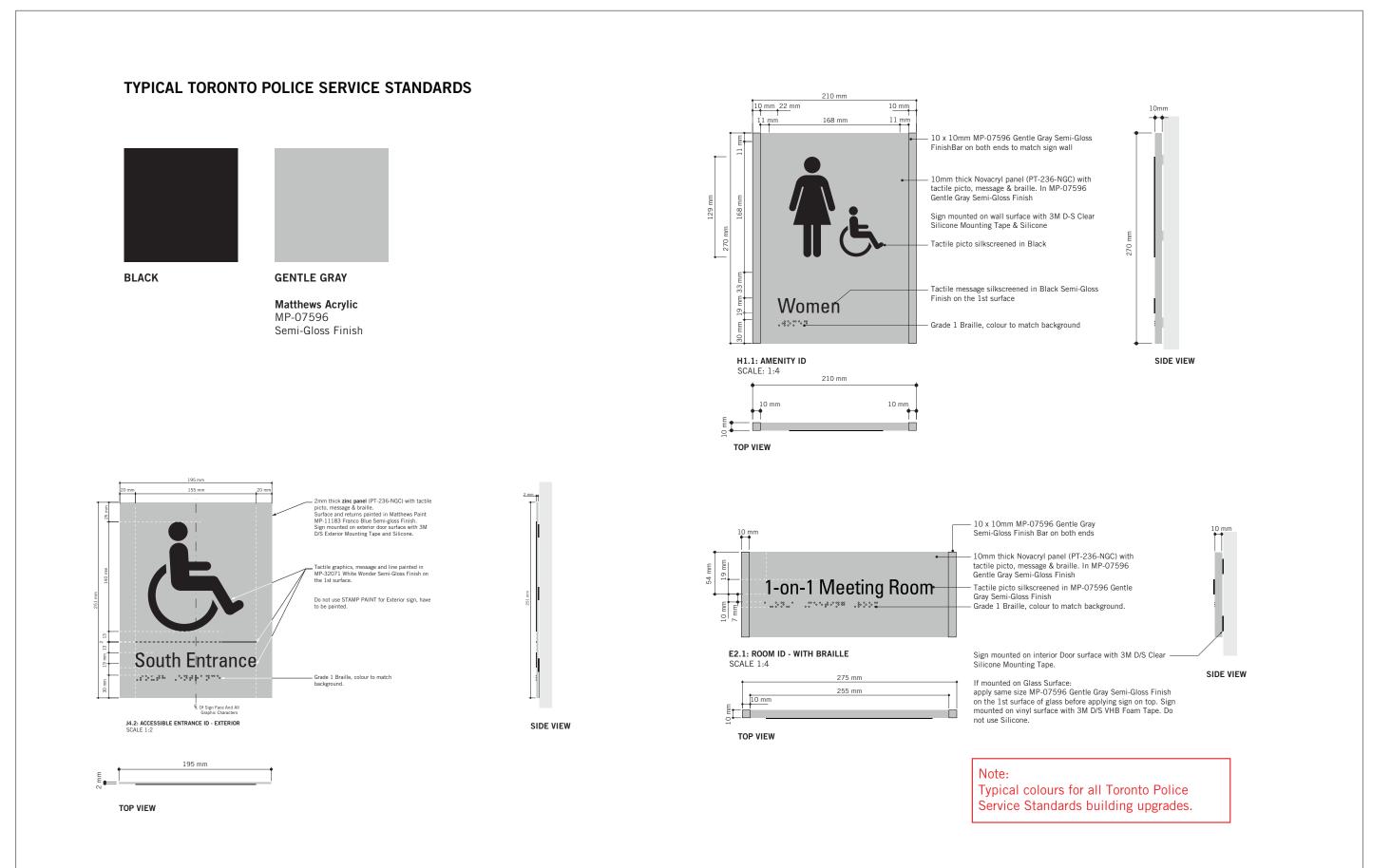
UNIVERS - BOLD CONDENSE
Used for numeric identifiers,
eg: Stairwell IDs or Building
Street Number

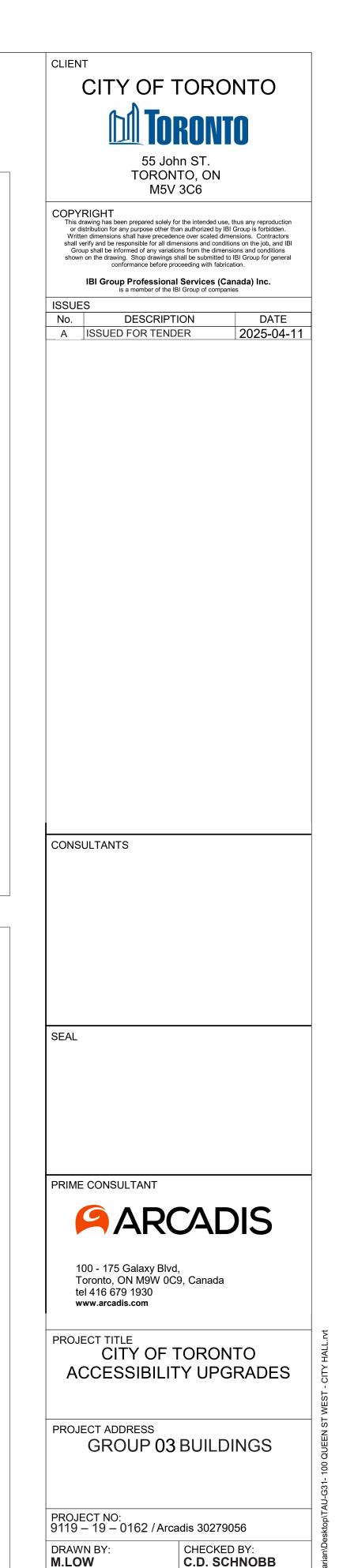
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GRADE 1 BRAILLE









PROJECT MGR:

SHEET TITLE

SHEET NUMBER

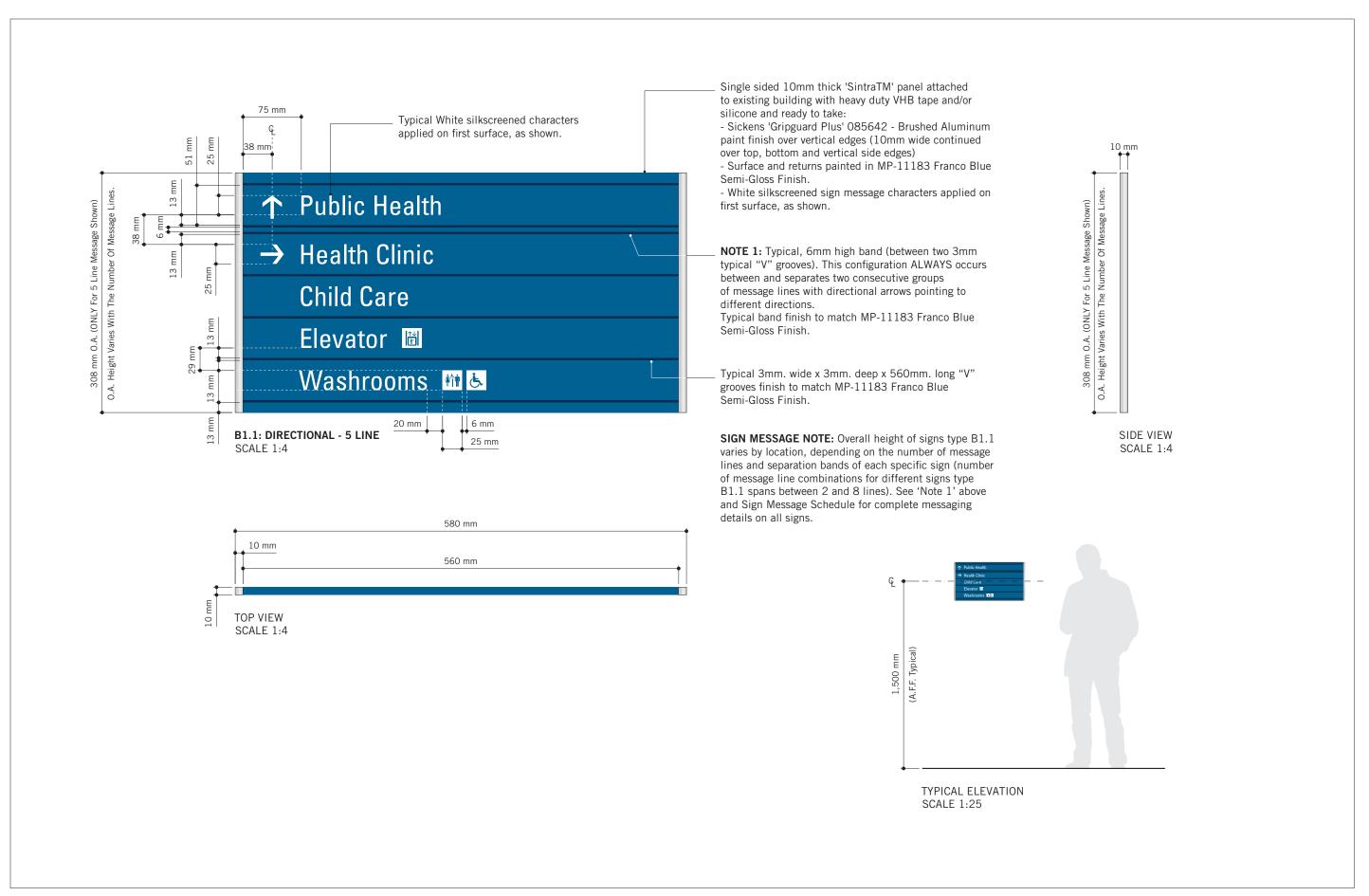
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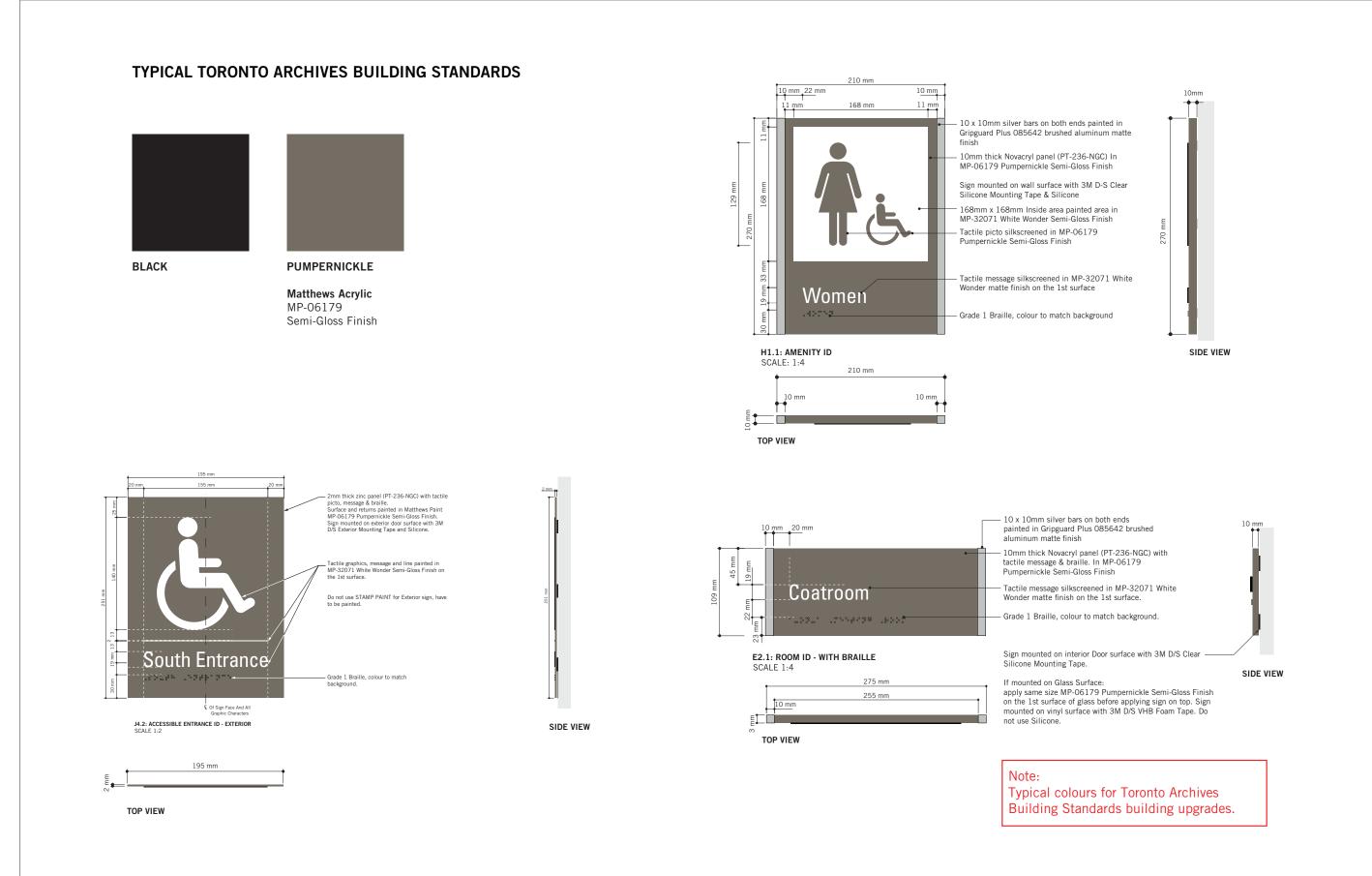
ISSUE

SIGNAGE & WAYFINDING DETAILS

D1901

**GENERAL SPECIFICATIONS** 







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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

GROUP 03 BUILDINGS

 PROJECT NO:
 9119 – 19 – 0162 / Arcadis 30279056

 DRAWN BY:
 CHECKED BY:

 M.LOW
 C.D. SCHNOBB

 PROJECT MGR:
 APPROVED BY:

PROJECT MGR:
R. DALY

SHEET TITLE
SIGNAGE & WAYFINDING

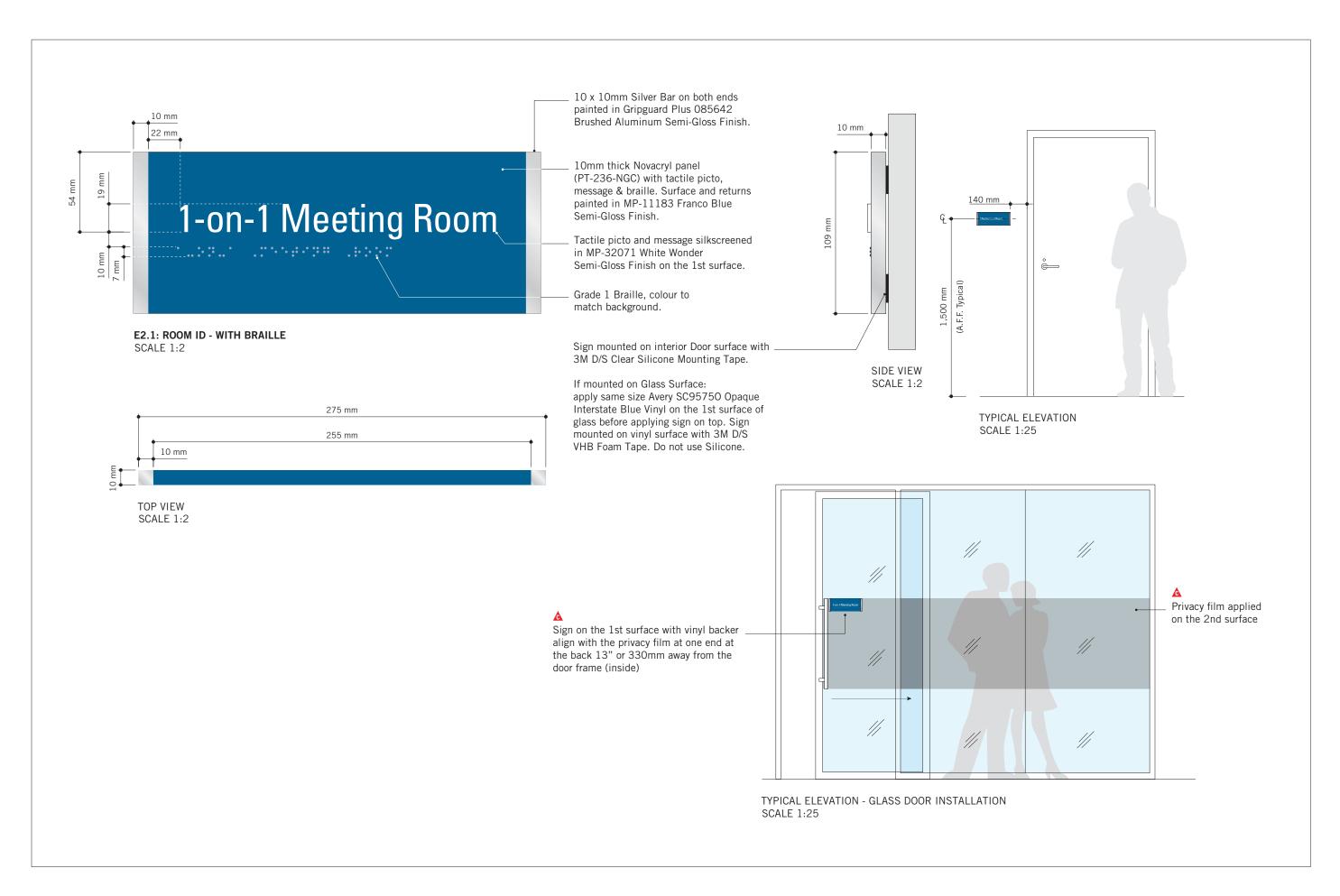
DETAILS

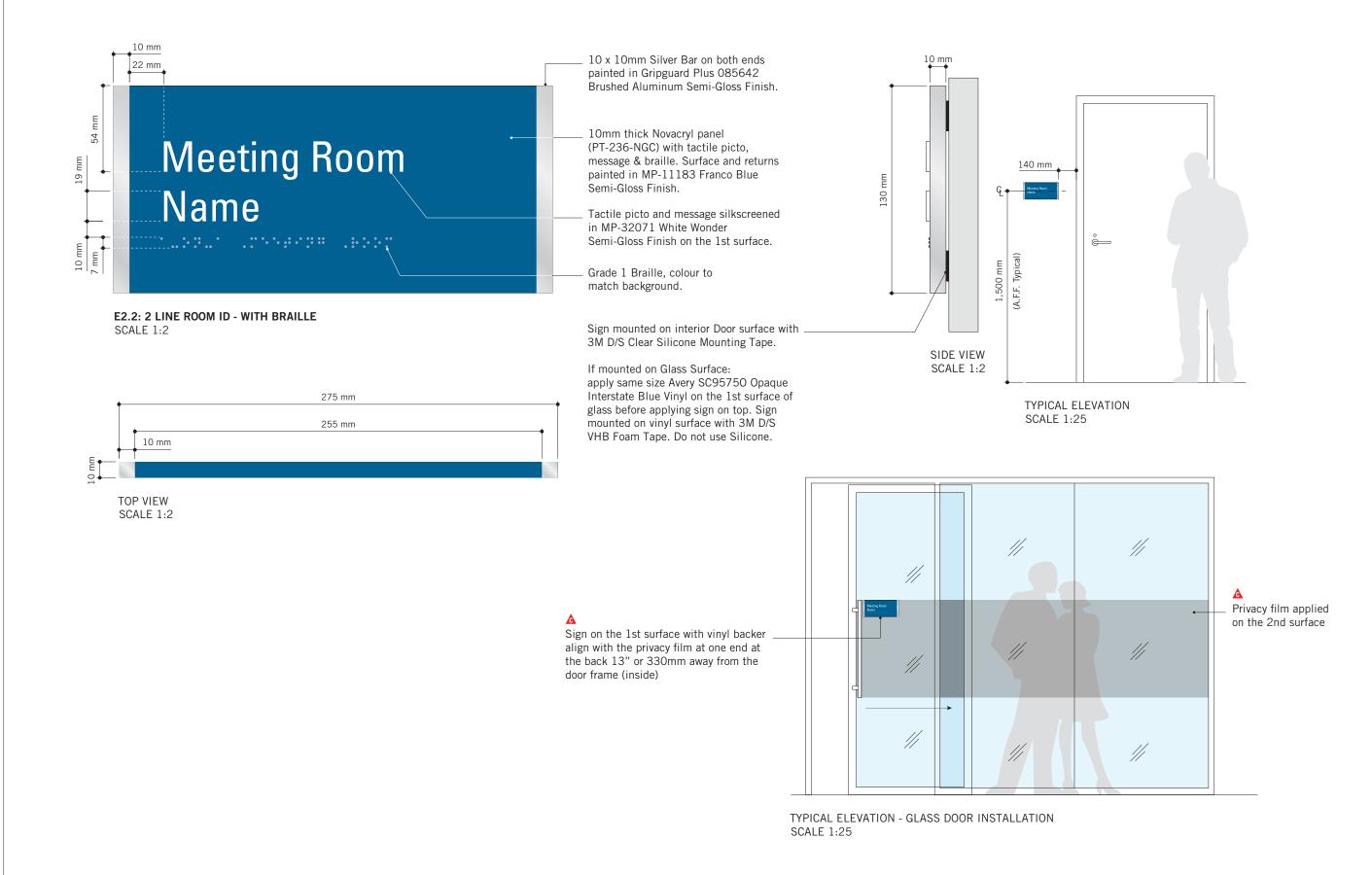
B1.1: DIRECTIONAL SIGNAGE

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D1902

2











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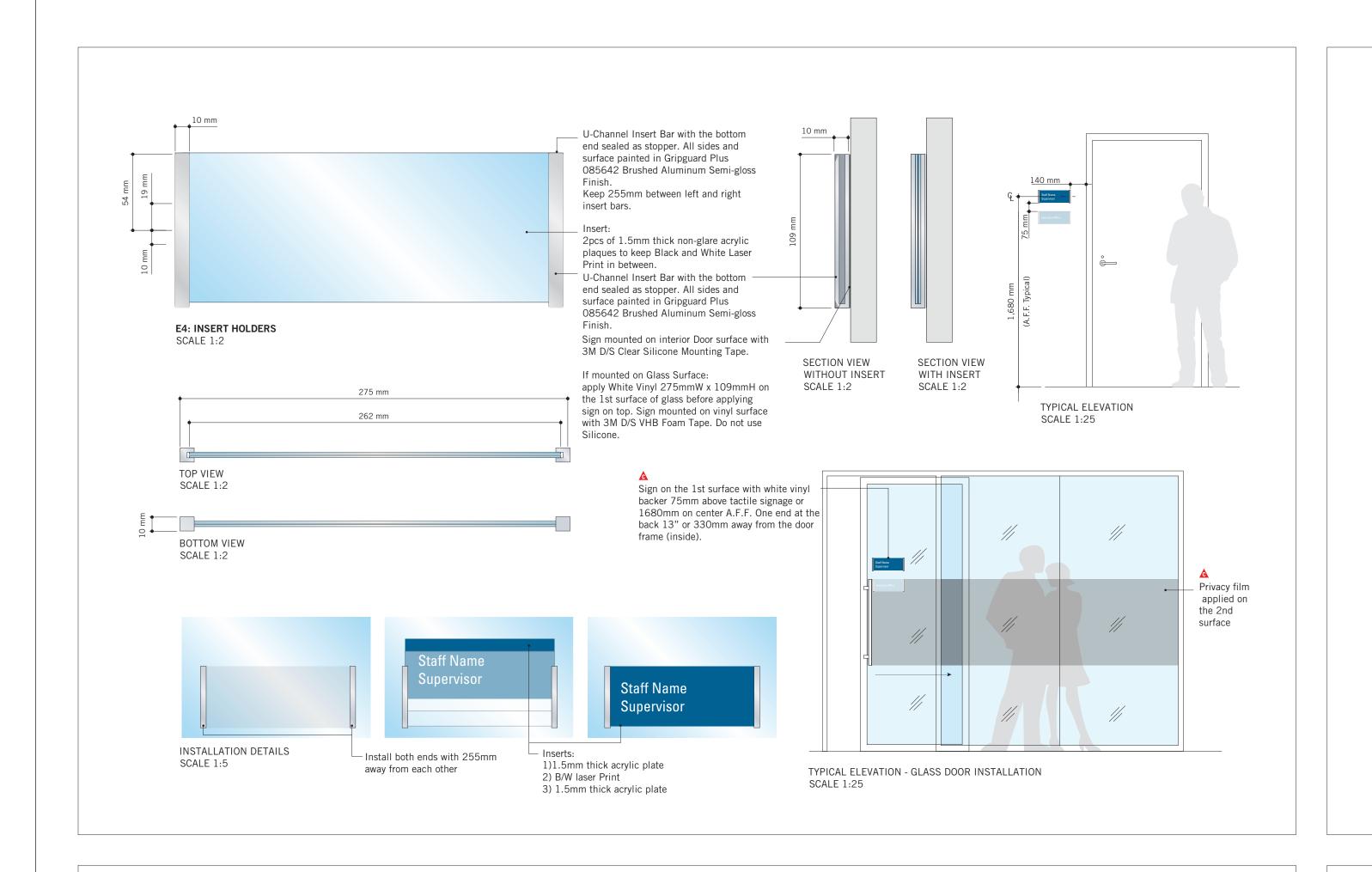
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SHEET TITLE
SIGNAGE & WAYFINDING
DETAILS

E2: ROOM ID

SHEET NUMBER ISSUE A

SSUE A



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TORONTO

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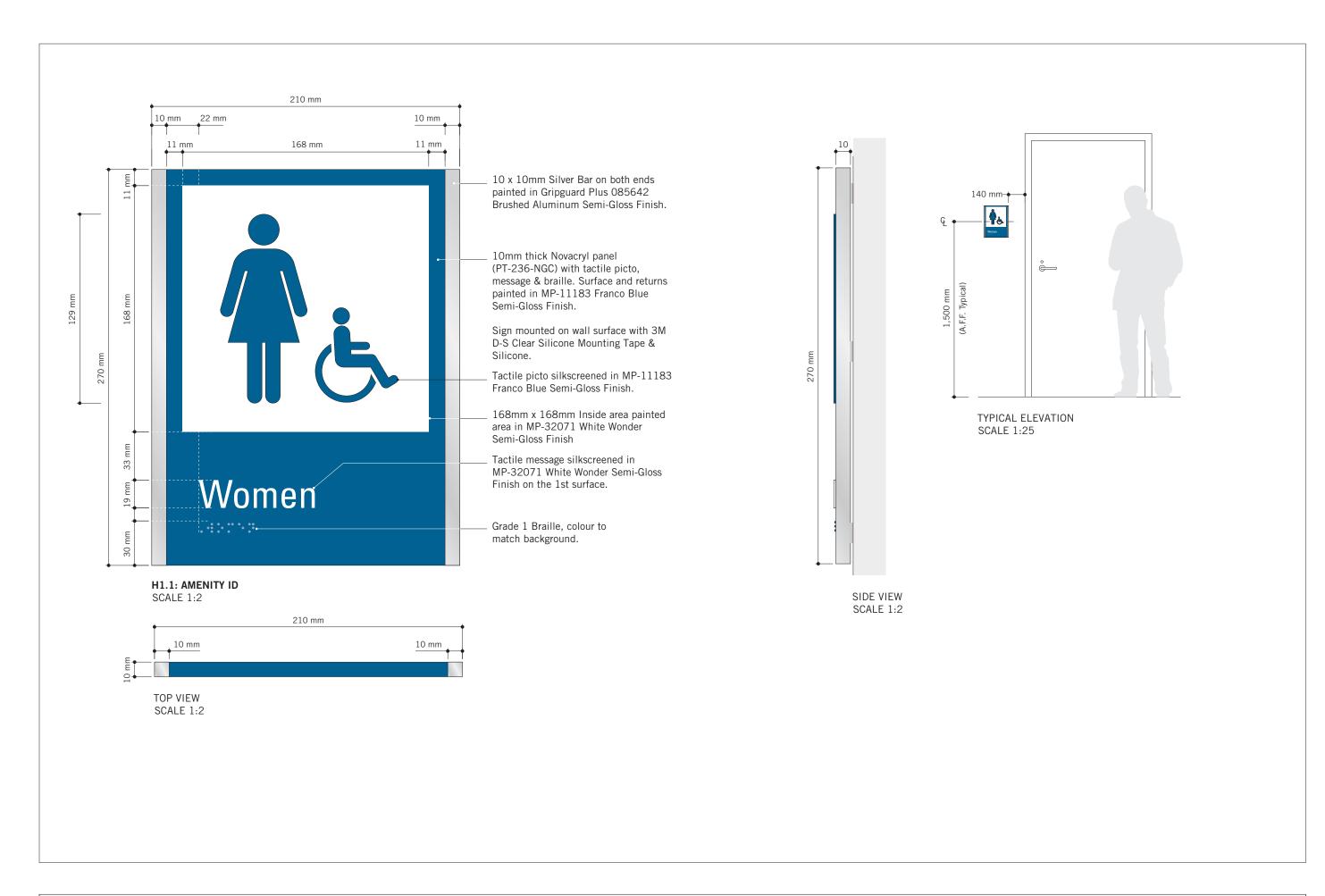
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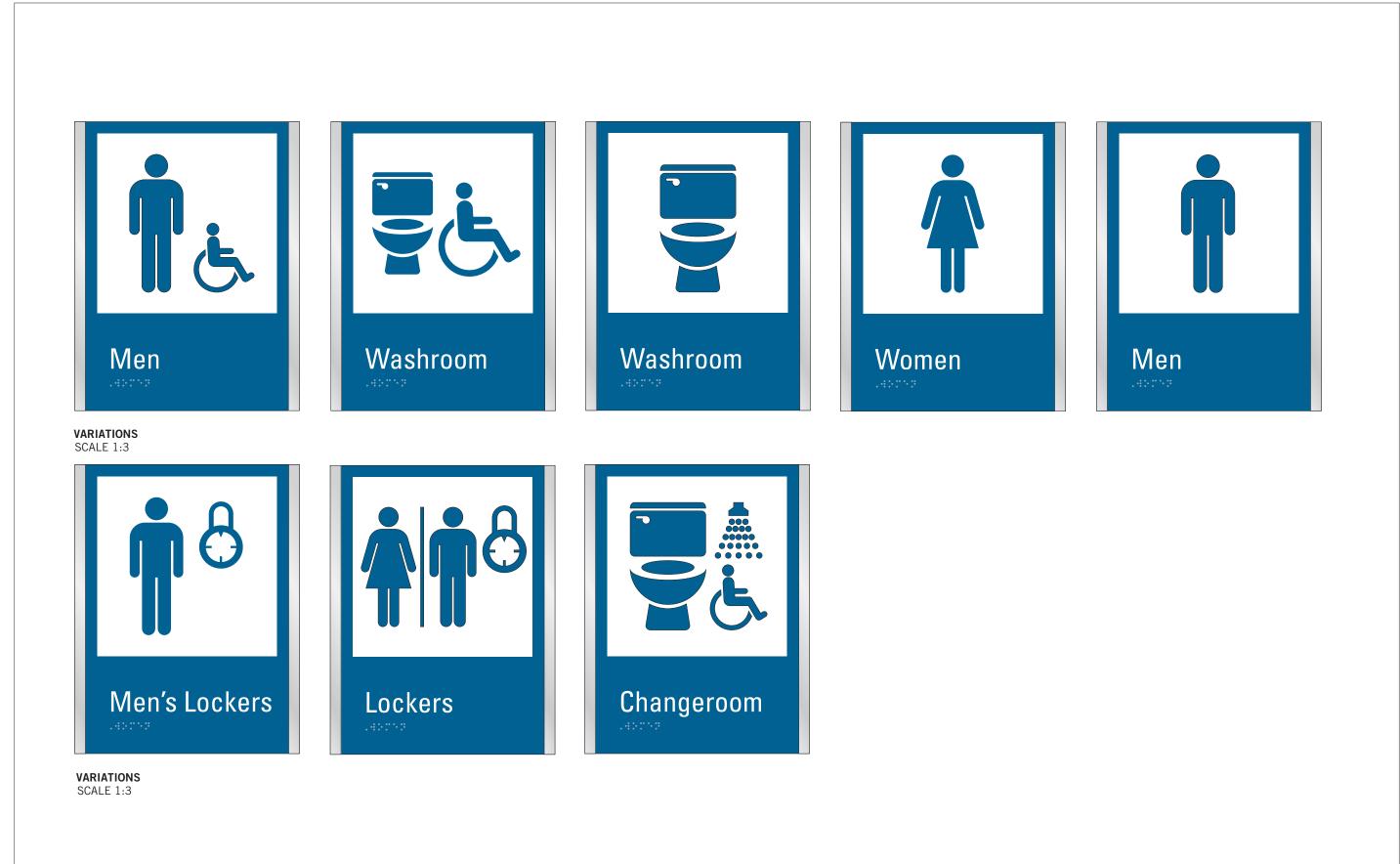
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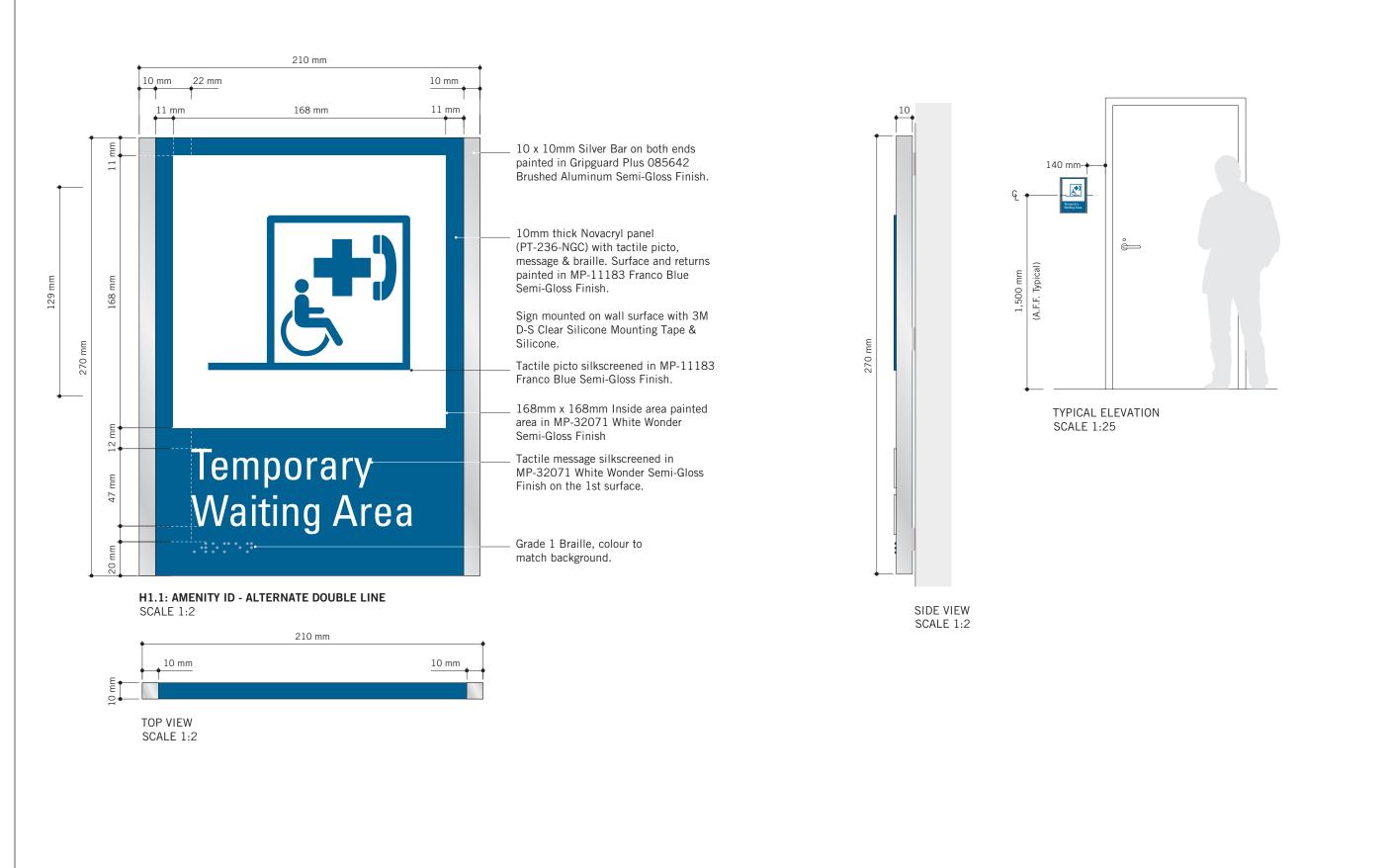
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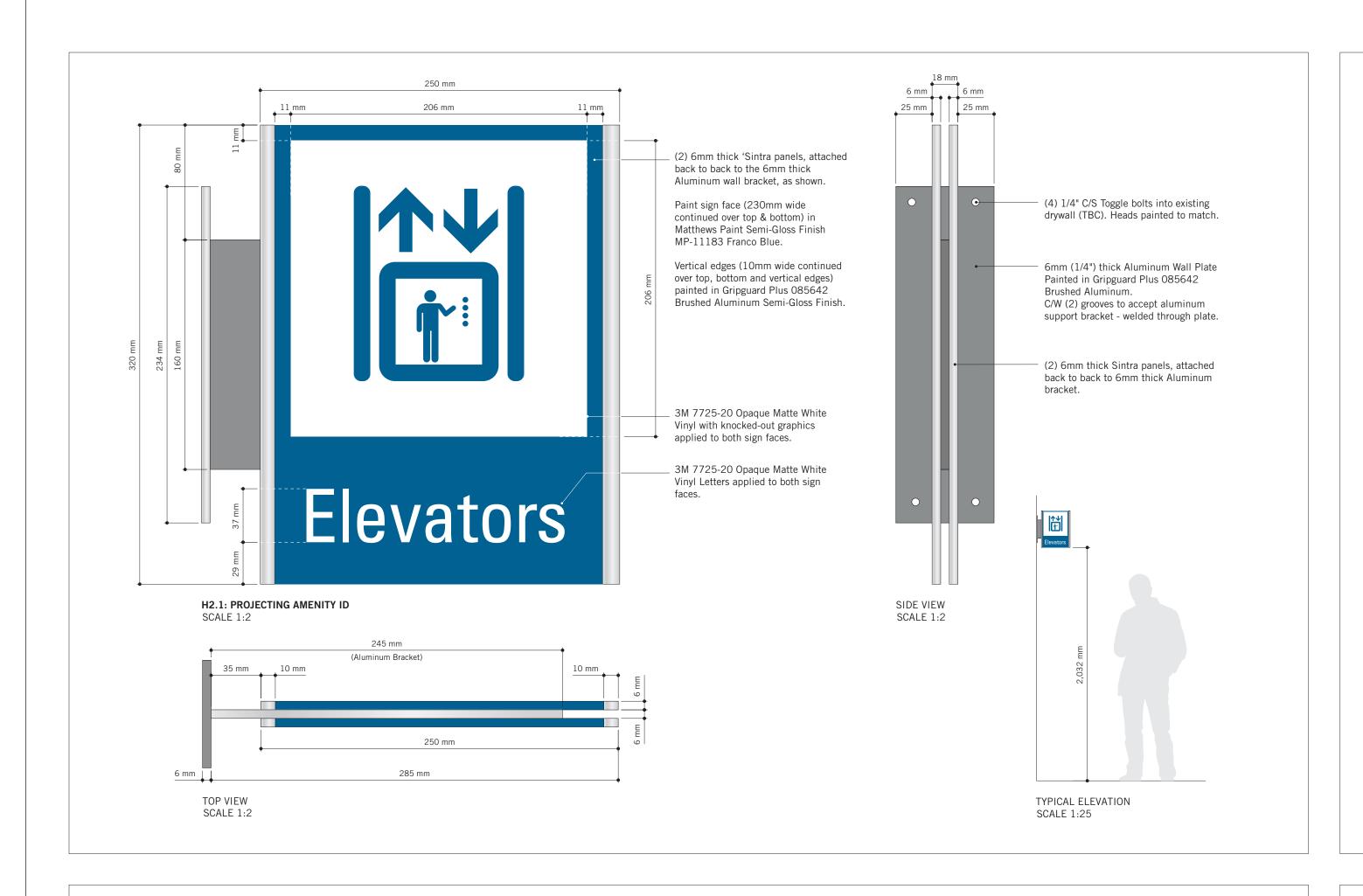
APPROVED BY:

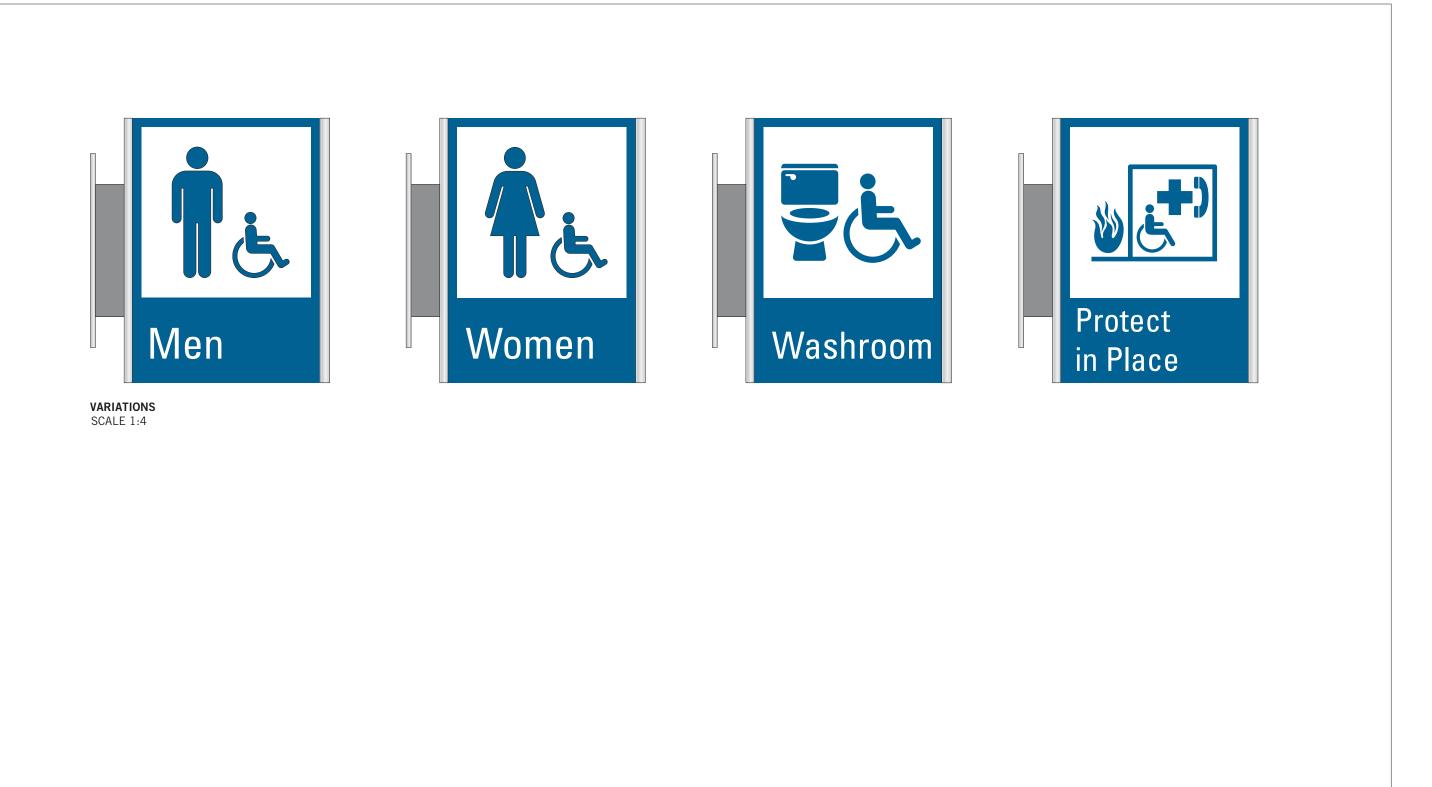
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H1.1: AMENITY ID

SHEET NUMBER IS D1905

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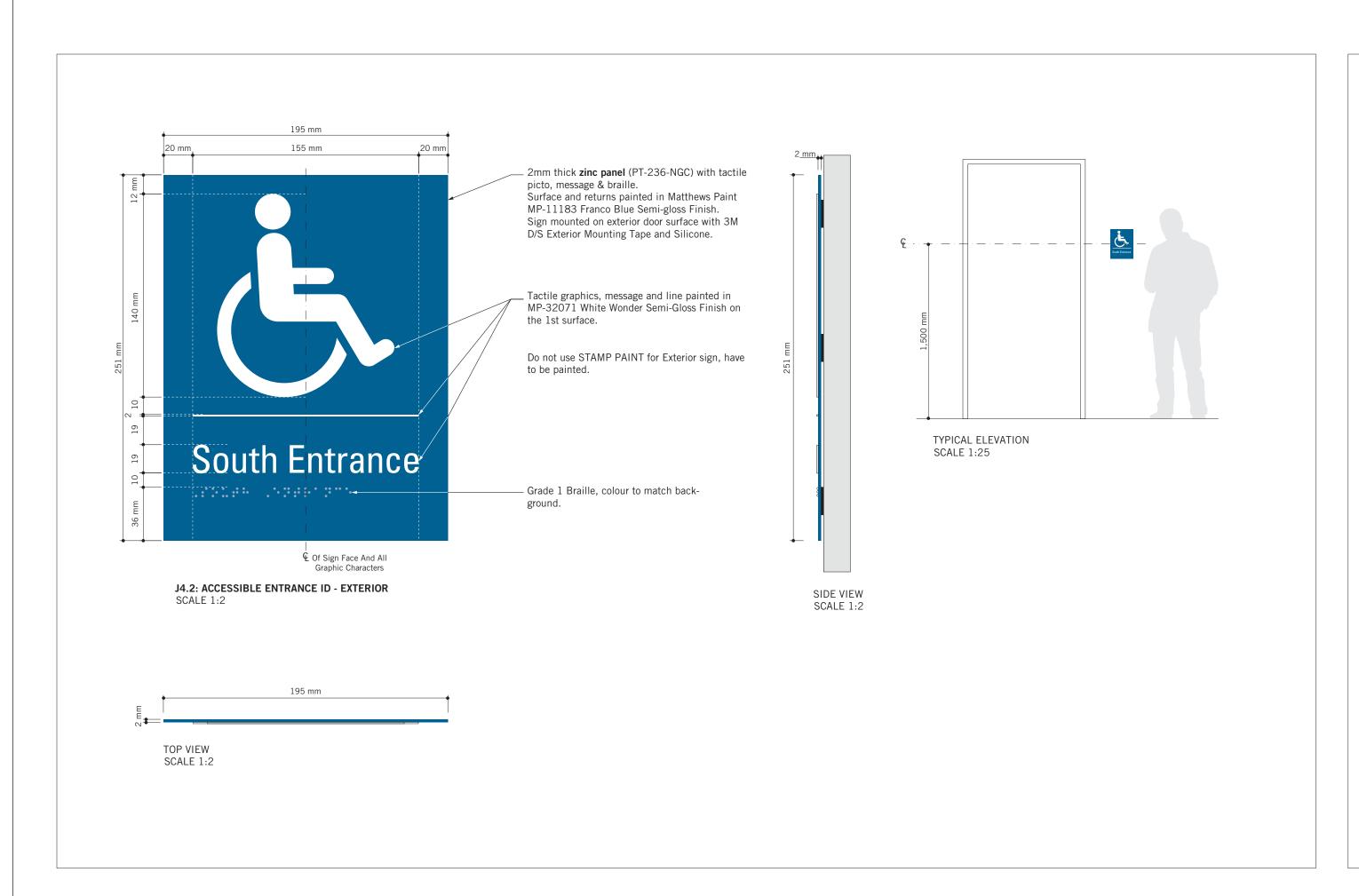
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CHECKED BY: C.D. SCHNOBB M.LOW PROJECT MGR: R. DALY APPROVED BY:

SHEET TITLE SIGNAGE & WAYFINDING

DETAILS H2.1:PROJECTING AMENITY

SHEET NUMBER D1906









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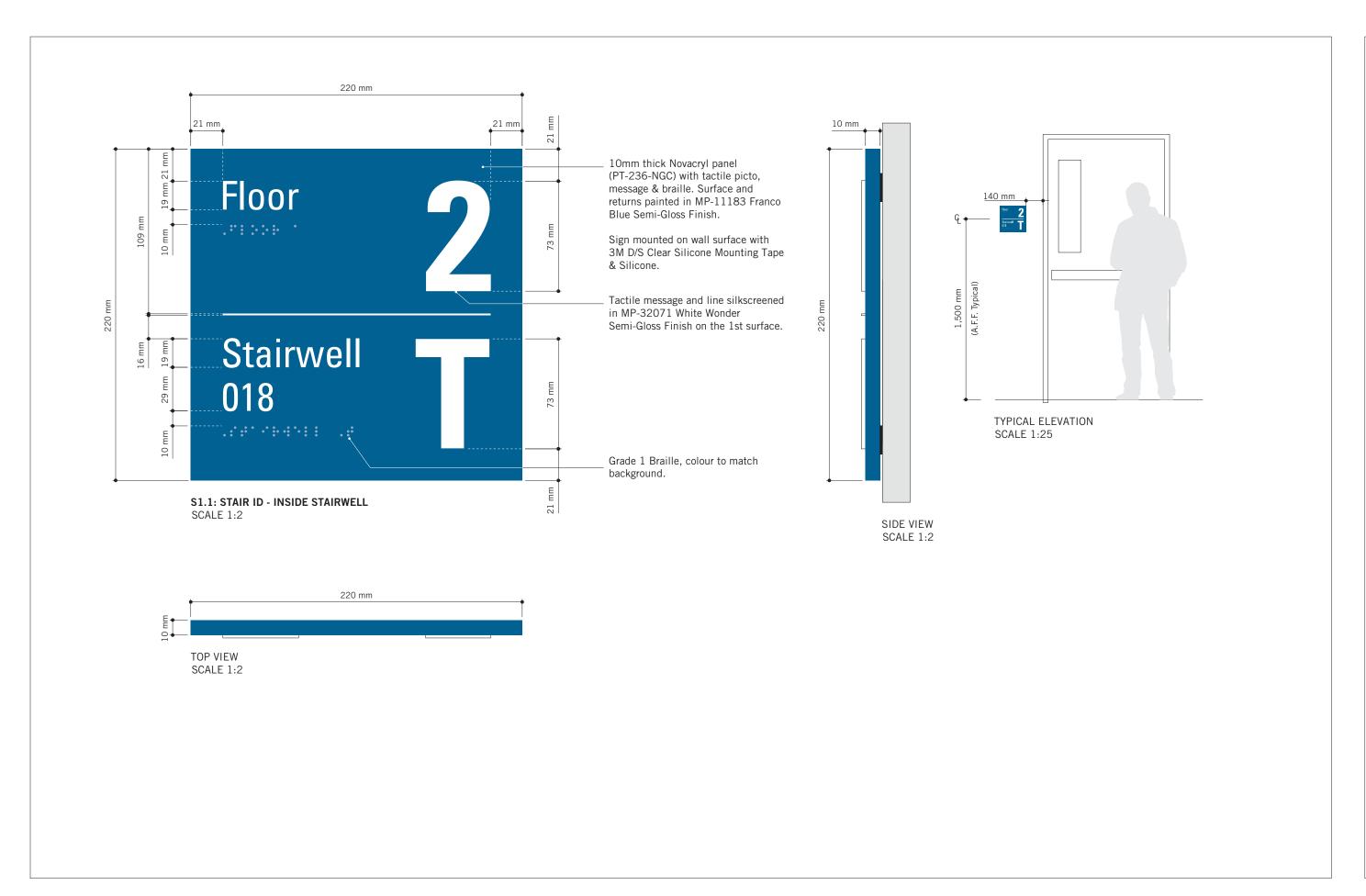
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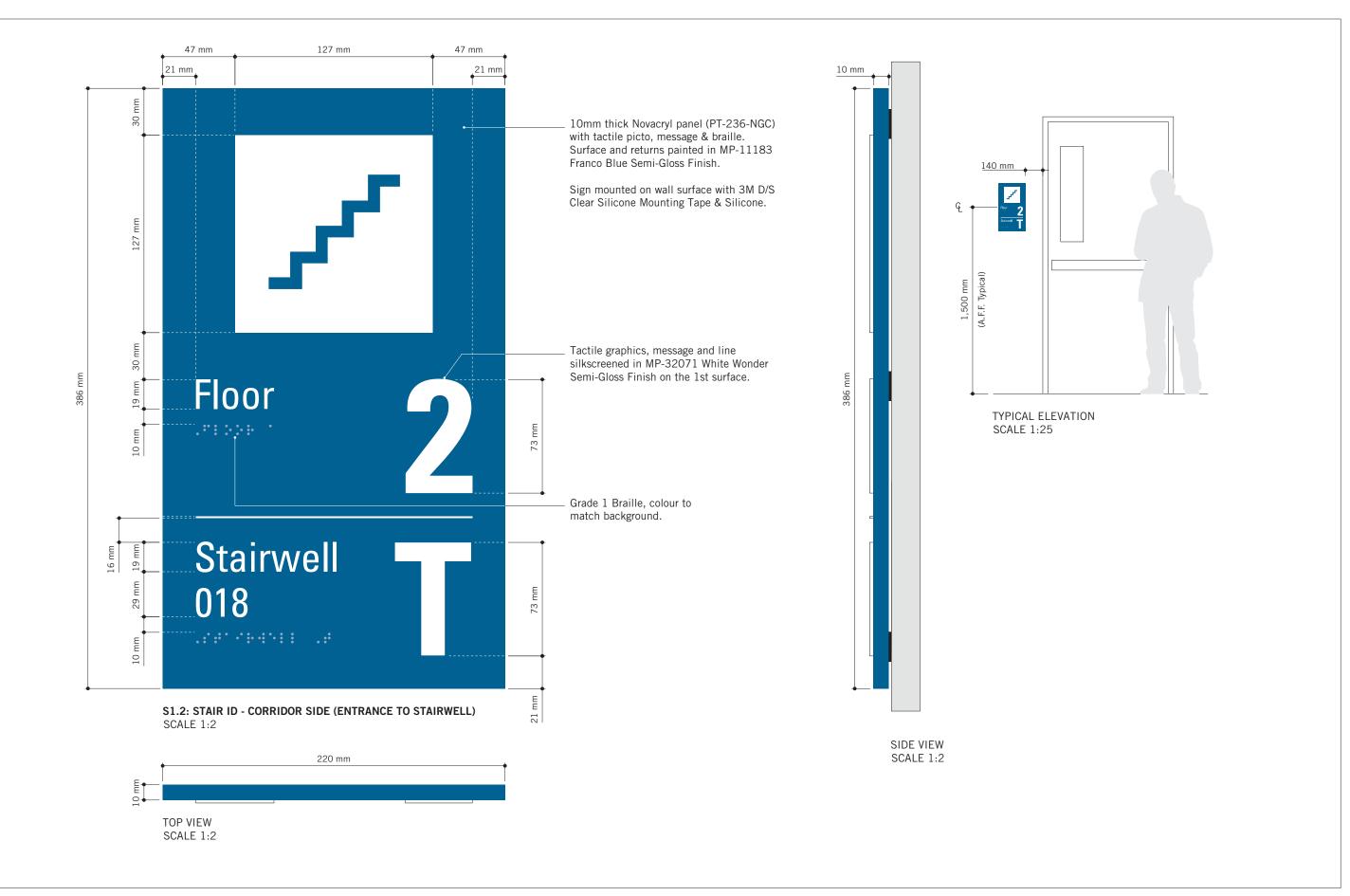
SIGNAGE & WAYFINDING
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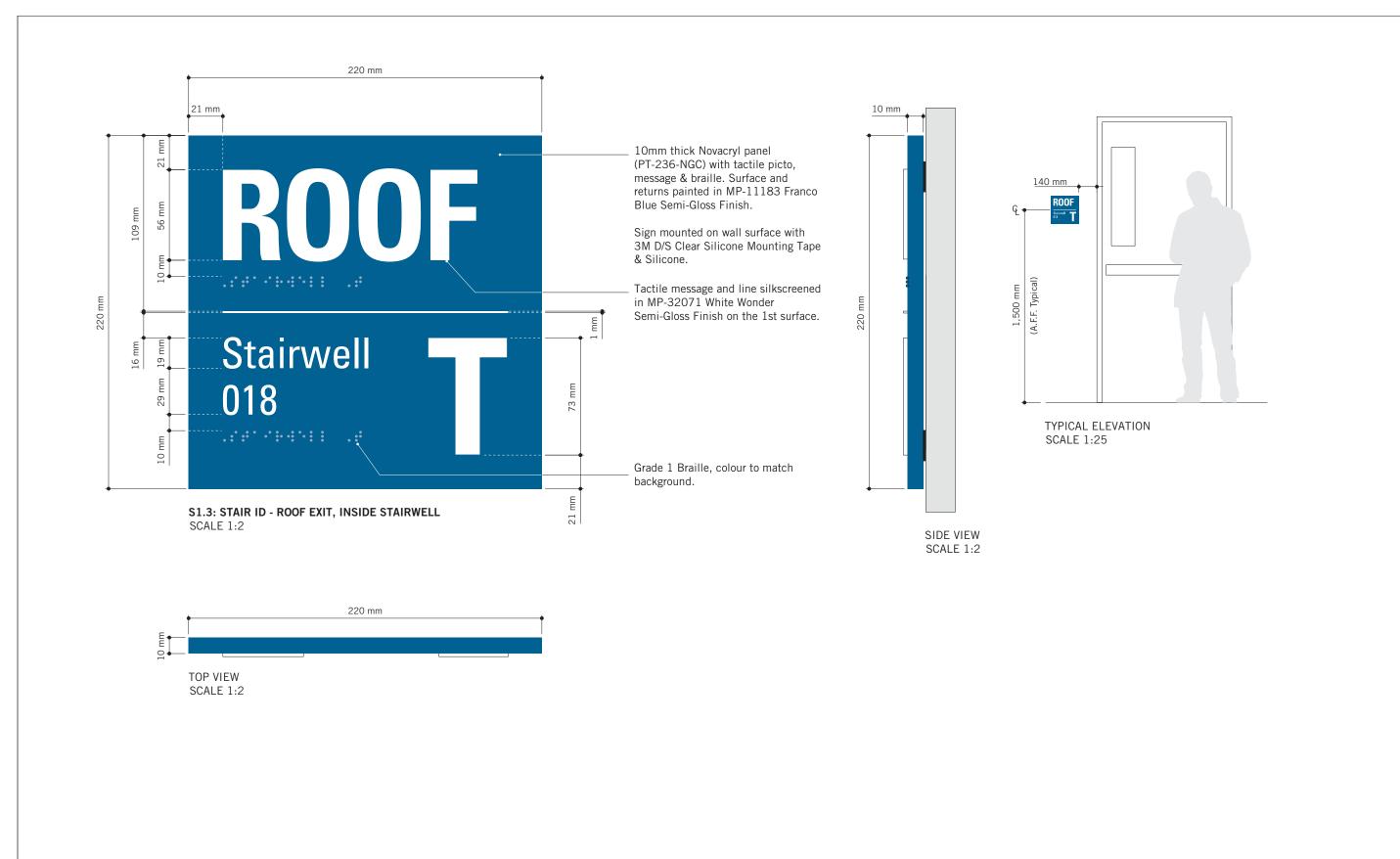
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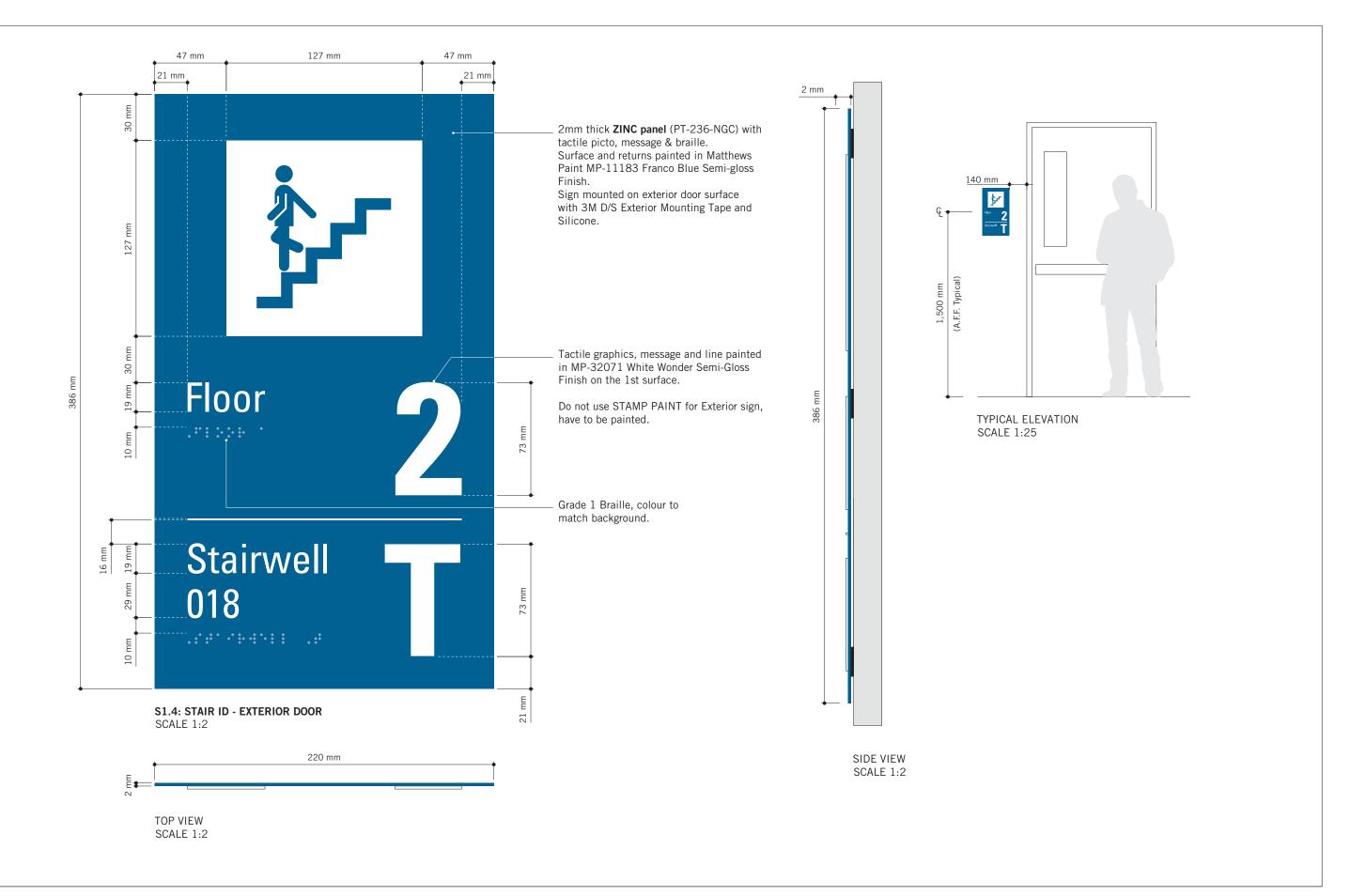
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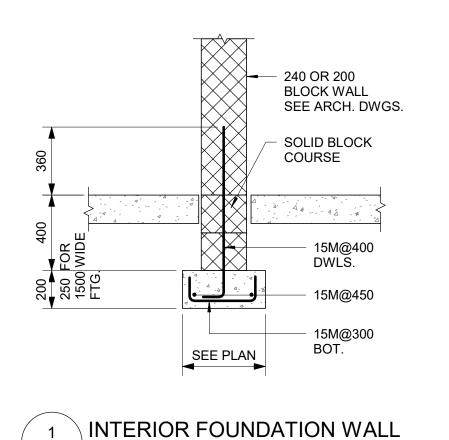
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CHECKED BY:
C.D. SCHNOBB

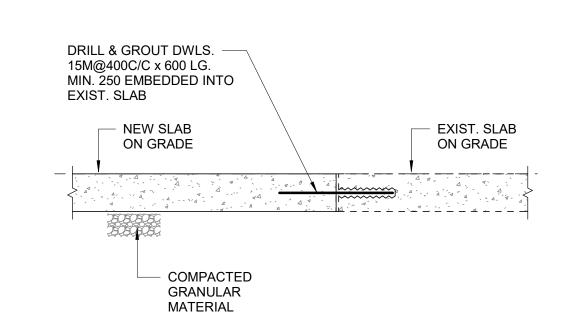
SHEET TITLE
SIGNAGE & WAYFINDING
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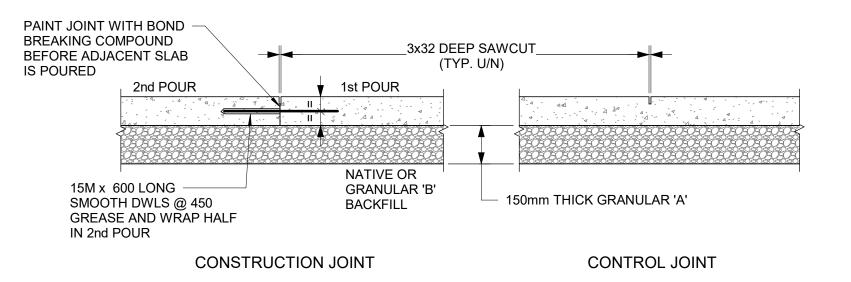
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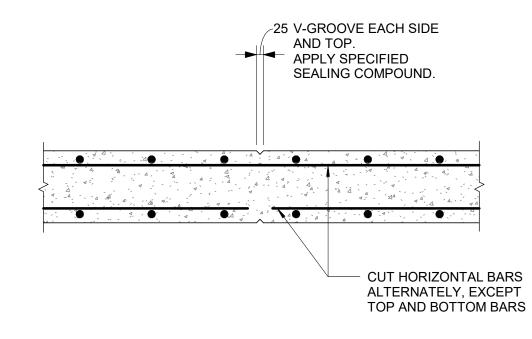
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D1908 A









4 RETAINING WALL CONTROL JOINT

∖ D2100 / Scale: 1 : 20



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CITY OF TORONTO

Corporate Real Estate Management

Project Management Office

2022-07-29

2022-12-09

2025-04-11

CLIENT

NEW SLAB CONNECTION TO EXISTING SLAB ∖ D2100 / Scale: NTS

EXTERNAL FACE

WATERSTOP WHERE

SHOWN ON DWGS.

3 SLAB ON GRADE ∖ D2100 / Scale: NTS

> 5mm SAWCUT FILLED AS PER SPECIFICATIONS PAINT JOINT WITH BOND -BREAKING COMPOUND CUT HALF OF TOP REINF. BEFORE ADJACENT SLAB IS IN SLABS WITH TOP & POURED BOTTOM REINF.

> > GREASED TO ASSURE SLIPPAGE

GREASED END OF DWLS

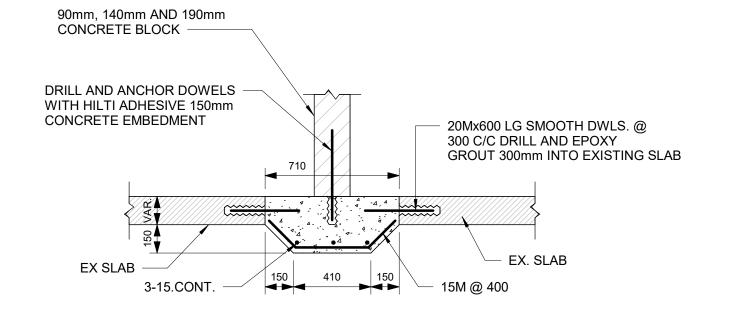
# **CONTROL JOINT**

TYPE 1

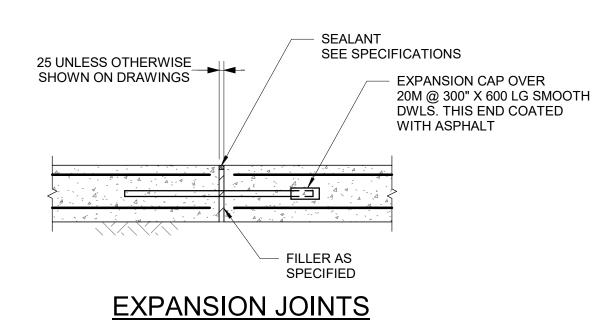
∖ D2100 / Scale: NTS

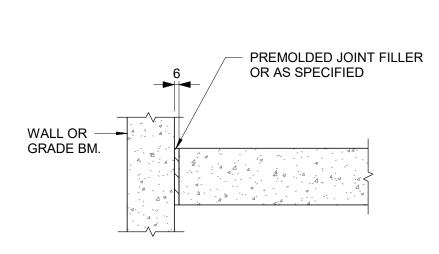
TYPE 1WS

WALL THICKNESS	KEY	KEY SIZE	
"T"	"D"	"W"	"a"
200 TO 300	50	100	5
310 TO 440	50	150	10
450 TO 590	75	200	20
600 TO 890	75	250	20



BLOCK WALL SLAB - THICKENING AT EXISTING SLAB



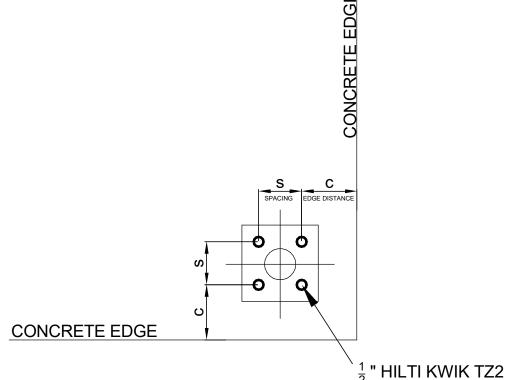


15 DIA.X 600 LG. -@ 450 SMOOTH DWLS.

**ISOLATION JOINT** 

7 FLOOR JOINTS 

 ${f ar 5}$  TYPICAL CONSTRUCTION JOINT AT EXTERIOR WALL D2100 / Scale: 1:20



	HILTI KWIKBOLT TZ2 CARBON STEEL, DIA 1/2"				
CONCRETE THICKNESS	EFFECTIVE EMBED-	Case 1		Case 2	
THORNESS	MENT	MIN EDGE DIST. C <sub>MIN1</sub>	FOR SPACING S <sub>MIN1</sub>	MIN EDGE DIST. C <sub>MIN2</sub>	FOR SPACING S <sub>MIN2</sub>
200	83	57	133	121	51
150	64	70	248	203	76
125	51	70	140	254	89
100	38	203	305	203	305

SPACING AND EDGE REQUIREMENTS FOR WEDGE ANCHORS (TYPICALLY USED FOR HANDRAILS) D2100 Scale: 1:5

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K. ANGER N. FRISCIC SHEET TITLE CONCRETE TYPICAL **DETAILS** 

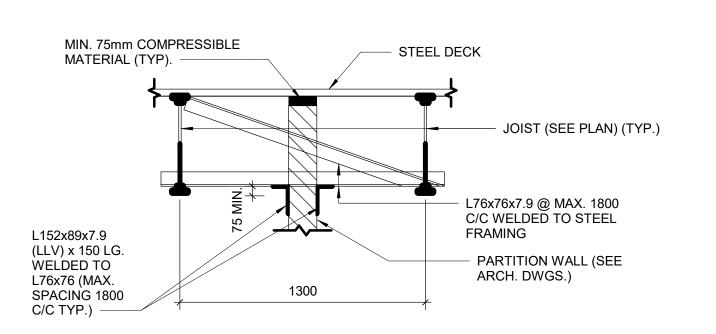
SHEET NUMBER G03-D2100

Ε

REFER TABLE FOR SPACING AND EDGE

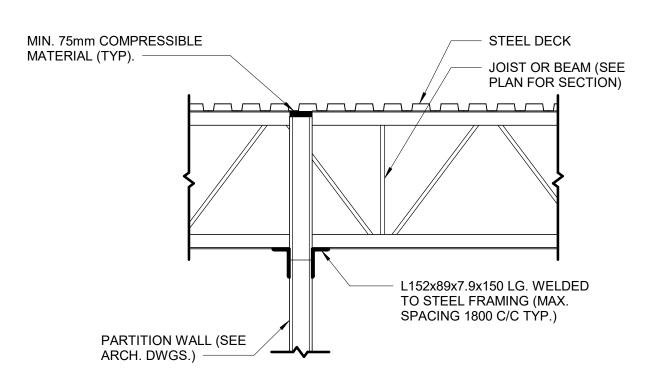
DISTANCE

D2100 | Scale: 1:20



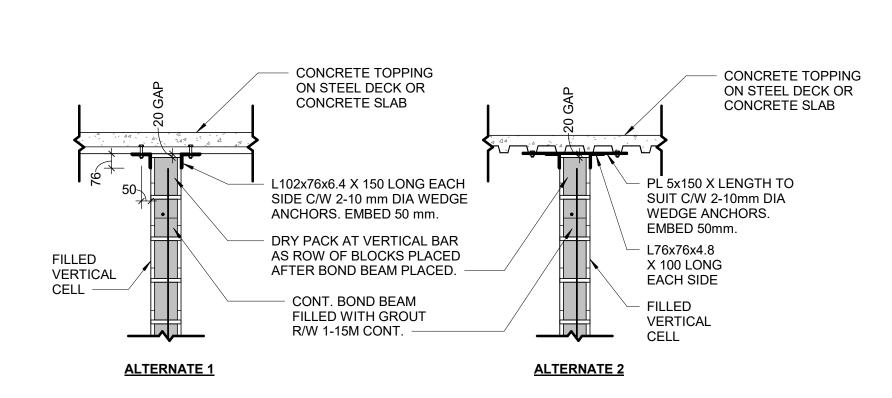
# **PARTITION WALL BETWEEN JOIST**

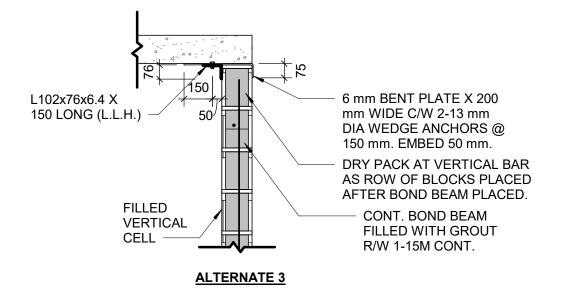
D2200 Scale: 1:20



# 4 PARTITION WALL PERPENDICULAR TO JOIST OR BEAM

D2200 / Scale: 1 : 20

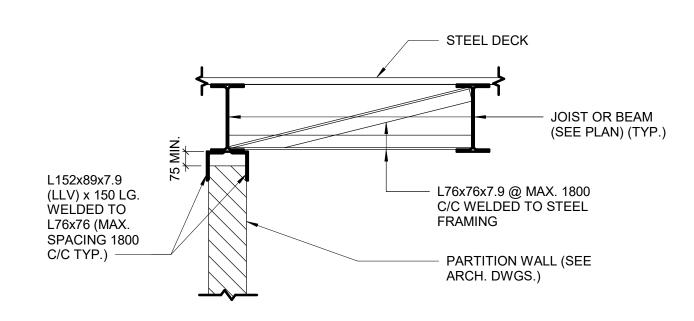




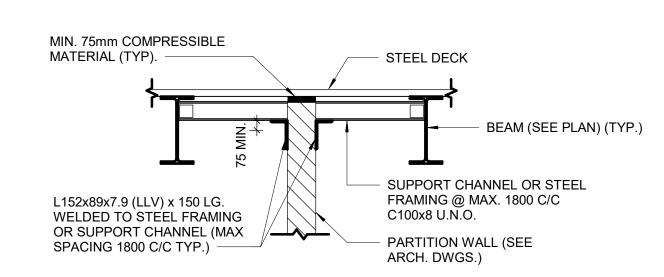
NOTES:

1. ALL CONNECTIONS TO BE AT FILLED VERTICAL CELLS AT 1200 mm O/C MAXIMUM UNLESS NOTED OTHERWISE. 2. FIELD WELD ANGLES TO EMBEDDED PLATE.

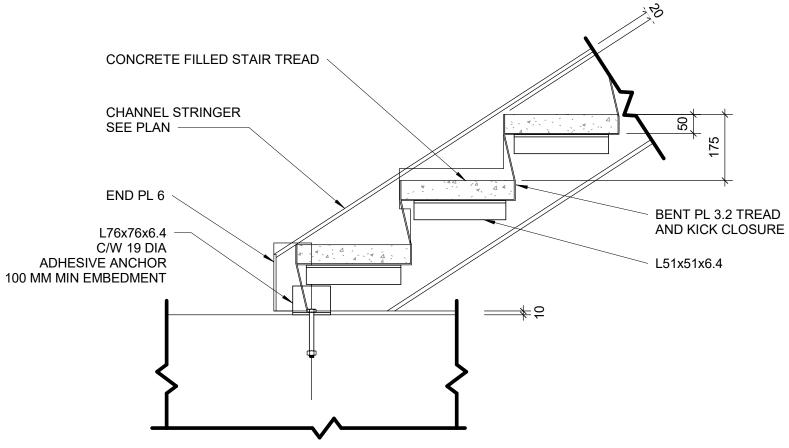
7 SUPPORT DETAIL AT TOP OF BLOCK WALL D2200 / Scale: 1 : 20



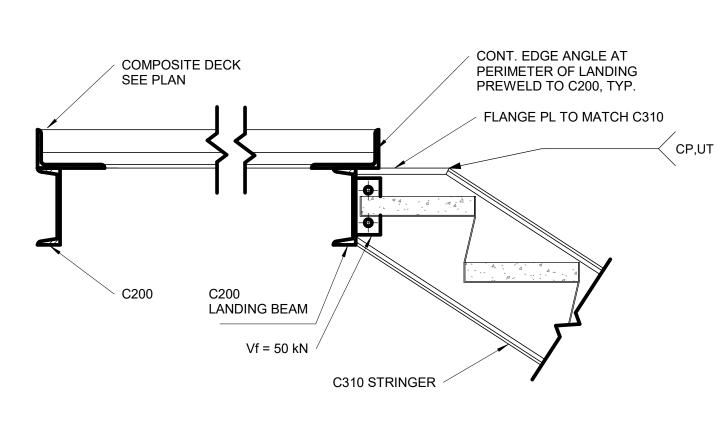
# 2 PARTITION WALL PARALLEL TO AND CENTERED ON JOIST OR BEAM



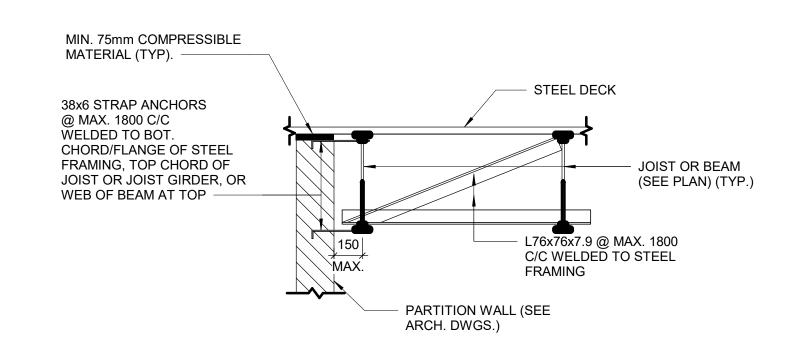
### PARTITION WALL BETWEEN BEAMS ∖ D2200 / Scale: 1 : 20



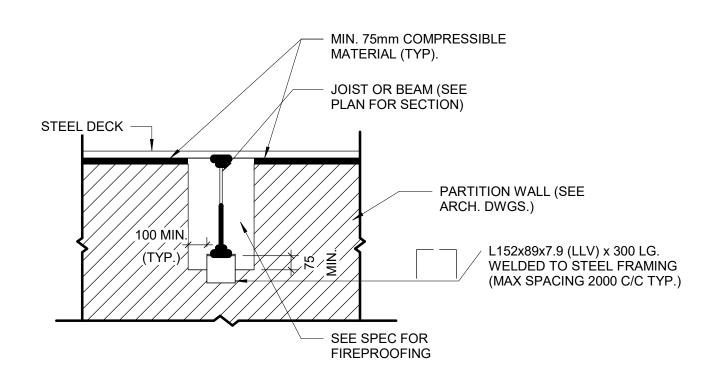
8 TYPICAL SLAB UNDER STRINGER 



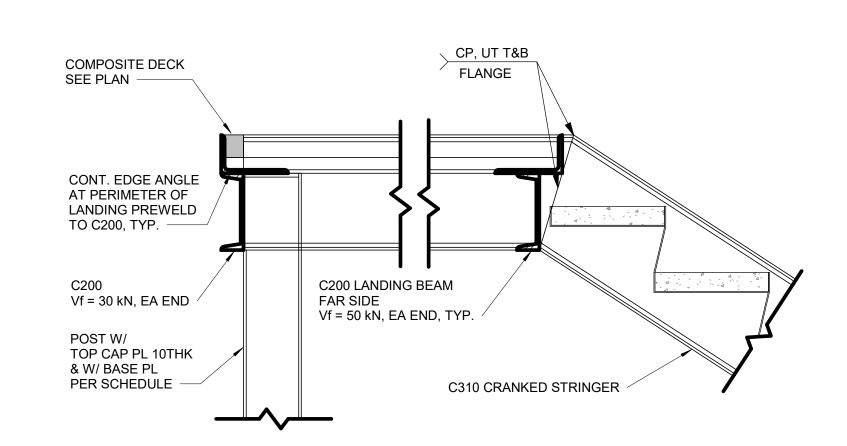
TYPICAL SECTION AT UPPER LANDING D2200 / Scale: 1:10



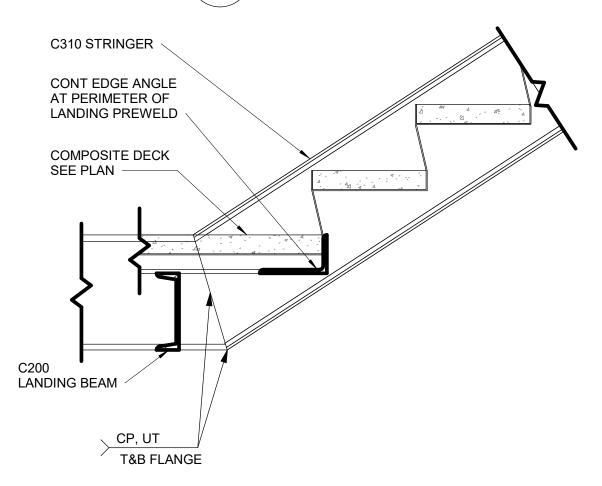
### 3 PARTITION WALL PARALLEL TO JOISTS OR BEAM √D2200 / Scale: 1 : 20



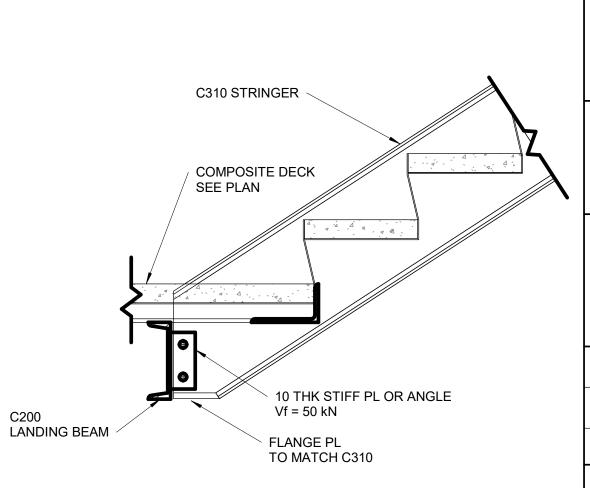
6 PARTITION PERPENDICULAR TO JOIST OR BEAMS √D2200 / Scale: 1 : 20



### $oxed{egin{array}{c} 9 \end{array}}$ TYPICAL SECTION AT UPPER LANDING STRINGER D2200 / Scale: 1 : 10



12 TYPICAL SECTION AT LOWER LANDING STRINGER D2200 / Scale: 1 : 10



11 TYPICAL SECTION AT LOWER LANDING ∖ D2200 / Scale: 1 : 10

CLIENT CITY OF TORONTO Corporate Real Estate Management Project Management Office Metro Hall Toronto, ON

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В	90% SUBMISSION	2022-07-29
С	ISSUED FOR PERMIT	2022-07-29
D	ISSUED FOR TENDER	2022-12-09
Е	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE CITY OF TORONTO **ACCESSIBILITY UPGRADES** 

PROJECT ADDRESS

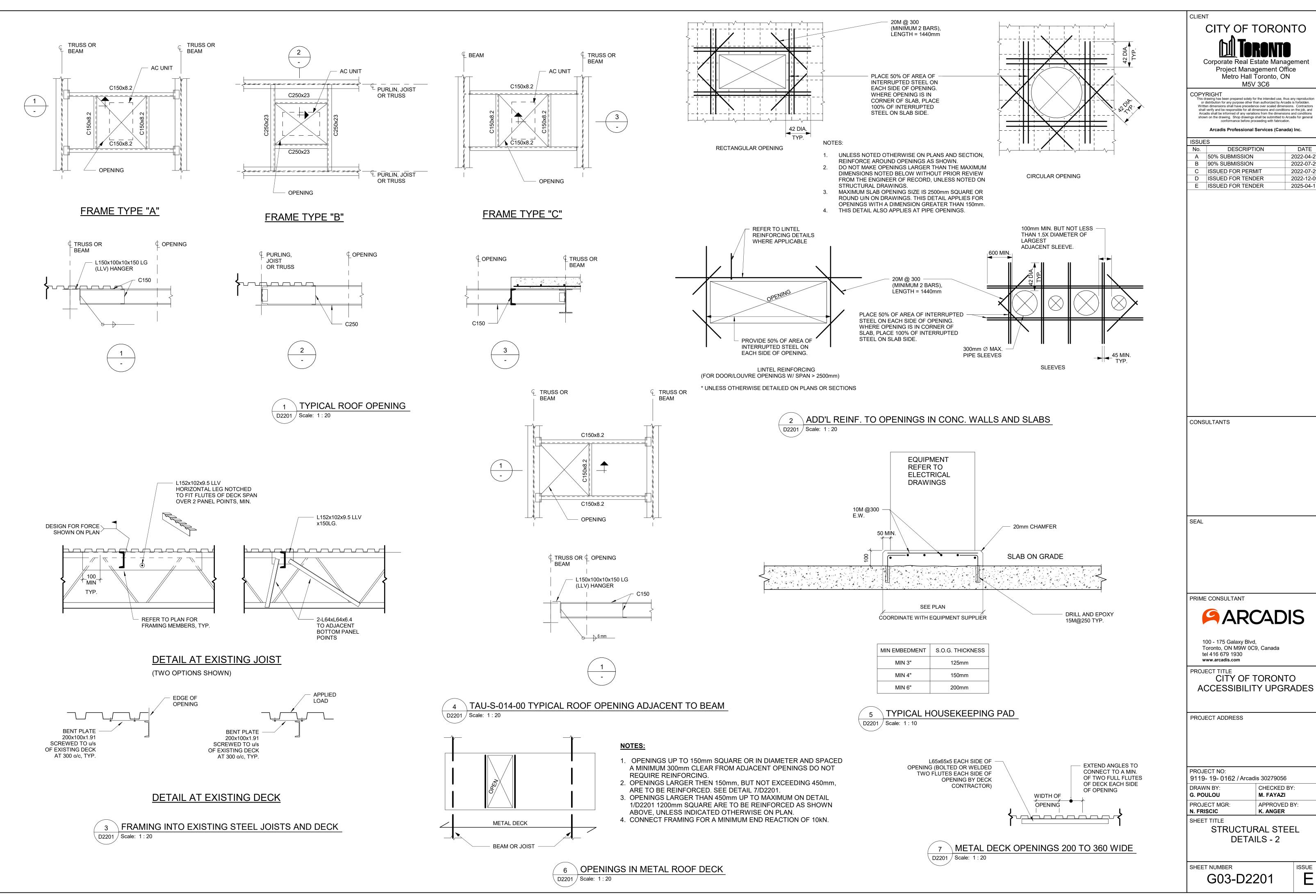
PROJECT NO:

9119- 19- 0162 / Arcadis 30279056 DRAWN BY: CHECKED BY: G. POULOU M. FAYAZI PROJECT MGR APPROVED BY: N. FRISCIC K. ANGER SHEET TITLE

STRUCTURAL STEEL DETAILS - 1

SHEET NUMBER

ISSUE G03-D2200



G03-D2201

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CITY OF TORONTO

Project Management Office

Metro Hall Toronto, ON

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2022-12-09

2025-04-11

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CHECKED BY:

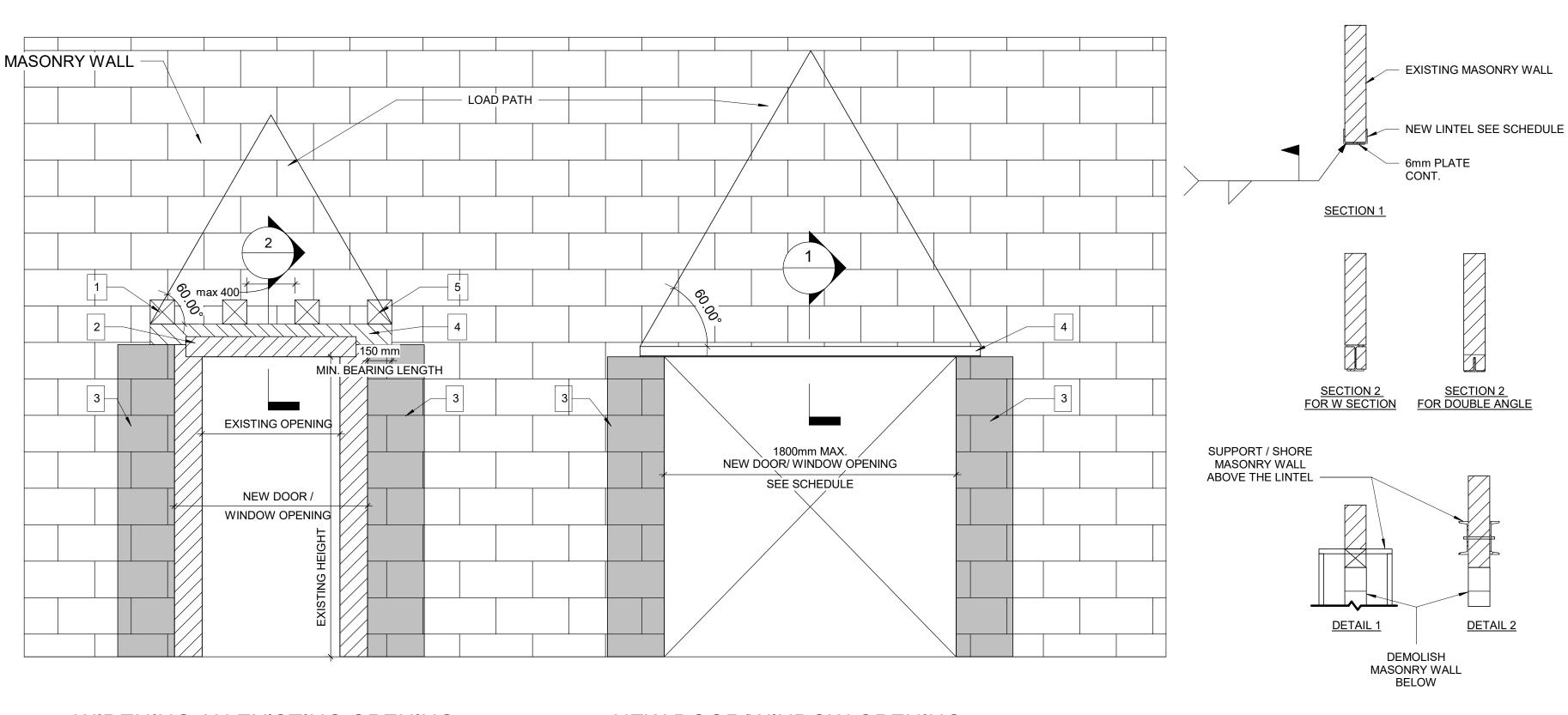
APPROVED BY:

M. FAYAZI

K. ANGER

STRUCTURAL STEEL

DETAILS - 2



# WIDENING AN EXISTING OPENING IN EXISTING MASONRY WALL TYP.

# NEW DOOR/WINDOW OPENING INTO EXISTING MASONRY WALL TYP.

### PROPOSED SEQUENCE OF WORK

1	CREATE NEW 150x150mm HOLES @ 400mm INTO EXISTING MASONRY WALL AND SHORE THE WALL ABOVE, SEE DETAIL 1. OR SHORE THE WALL ABOVE BY USING 2 CHANNELS BACK TO BACK AND THROUGH BOLTS @350mm, SEE DETAIL 2
2	DEMOLISH THE EXISTING LINTEL, THE VOID FOR NEW BEAM AND THE WALL FROM EACH SIDE OF THE NEW OPENING
3	FILL TWO CORES MIN. OF EXISTING MASONRY WALL WITH GROUT EACH SIDE OF THE NEW OPENING, (DRILL HOLES TOP AND BOTTOM OF EACH CORE, INJECT GROUT, CLOSE HOLES WITH MORTAR AND MAKE GOOD SURFACE)
4	INSTALL NEW LINTEL. SEE LINTEL SCHEDULE FOR LINTEL SIZE
5	ADD MASONRY FACES AT LINTEL AND REPAIR MASONRY COURSE

1 \ WIDENING MASONRY WALL OPENING OR NEW OPENING IN EXISTING MASONRY WALL

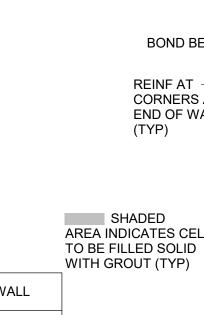
# LINTEL:

OVER ALL OPENINGS IN MASONRY WALLS PROVIDE THE FOLLOWING LINTELS. UNLESS OTHERWISE SHOWN.

# STEEL LINTELS

CLEAR SPAN mm (ft-in)	140 (6") WALL	190 (8") WALL	240 (10") WALL	290 (12") WALL	350 WALL	430 WALL
UP TO 1200 (4'-0")	L127x127x7.9	2-L89x89x7.9 +170x6mm PL	L89x89x7.9 +L127x89x7.9 LLV +220x6mm PL	3-L89x89x7.9 +270x6mm PL	3-L127X89X7.9 (LLV)	3-L127X127X7.9 +410X6mm PL
1201 TO 1800 (4'0 - 6'-)	2-L89x64x6.4LLV	2-L127x89x7.9LLV	L127x89x7.9LLV +L127x127x7.9	3-L127x89x7.9LLV		
1801 TO 3100 ( 6'- 10')	2-L89x64x9.5LLV	2-L152x89x9.5LLV	2-L152x89x9.5LLV	3-L152x89x9.5LLV		

- TO INSTALL A LINTEL TO THE EXISTING BLOCK WALL FOR A NEW OPENING, CUT A GROOVE THROUGH THE EXISTING BLOCK WALL AT THE TOP OF THE NEW OPENING AND INSTALL THE ANGLE FROM ONE SIDE OF THE WALL FOR SINGLE SNGLE OR FROM BOTH SIDES OF THE WALL FOR DOUBLE ANGLE AND THEN CUT THE OPENING.
- MINIMUM BEARING FOR STEEL LINTELS SHALL BE 150mm
- ALL STEEL LINTELS AND SHELF ANGLES IN THE EXTERIOR MASONRY SHALL BE HOT DIP GALVANIZED
- THESE LINTELS ARE FOR NON-LOAD BEARING WALLS. VERIFY THE WALLS DO NOT SUPPORT FLOOR OR ROOF FRAMING. DO NOT IN LOAD BEARING WALLS UNLESS REVIEWED BY THE CONSULT.
- VERIFY THE FOLLOWING:
- I) NO CONTROL OR MOVEMENT JOINTS ABOVE THE LINTEL AND/OR BEYOND THE
- II) WALL EXTENDS MINIMUM 50% OF SPAN (AND 50% OF OPENING HEIGHT) BEYOND THE OPENING.
- III) WALL EXTENDS MINIMUM 70% OF SPAN ABOVE THE OPENING.
- STRENGTHEN BEARING POINTS TO FOUNDATION, OR 400 DEEP WHEN SPAN BELOW 3600, GROUT CMU OR STONE MASONRY. BRICK IN AND GROUT VOIDS IN MULTI-WY THE BRICK, REPORT MORTAR JOINTS.
- DRYPACK WITH NON-SHRINK GROUT WHERE NECESSARY TO ACHIEVE UNIFORM BEARING THROUGHOUT. ENSURE EVEN BEARING BELOW LINTEL ENDS.
- SEE GENERAL NOTES FOR OTHER REQUIREMENTS (i.e. GROUT BEARING POINTS).
- HOT-DIP GALVANIZE LINTELS IN EXTERIOR WALLS EXPOSED TO WEATHER.
- SEE ARCH FOR STEEL FIRE PROTECTION.
- DOUBLE BEARING LENGTH FOR SOFT OR MEDIUM BRICK IN LIME MORTAR, AND FOR RUBBLE STONE IN LIME MORTAR OR LIME AND CEMENT MORTAR.



OR SLAB

**BOND BEAM** REINF AT -CORNERS AND END OF WALLS (TYP) AREA INDICATES CELLS 42xBAR DIA OR 180 MIN FOR BOND **BEAM ABOVE**  TYPICAL VERTICAL AND BELOW REINF. (SEE SCHEDULE MASONRY ON DRAWINGS) OPENING BOND BEAM SEE SCHED. FOR HORIZONTAL REINF DOWELS IN SLAB TO MATCH VERTICAL REINFORCING

FACE OF EXIST. WALL

1-15M FOR 2-FULL **GROUTED CORES** 

BRICK VENEER WITH HOLES

D2300 / Scale: 1 : 10

SEE TYPICAL INTERIOR

SEE DETAIL 4/D2300

MASONRY WALL OPENING

FOR HOLLOW CONC. BLOCK AND 86 EMBED FOR

2 TYPICAL CMU WALL CONNECTION TO EXISTING WALL

6 GALV. BENT PL. CONT. C/W 13ØX89 EMBED HILTI KWIK OR EQUIVALENT

USE 13Ø HILTI HIT HY-20 ADHESIVE ANCHOR C/W 51 EMBED OR EQUIVALENT

- LATERAL SUPPORTS

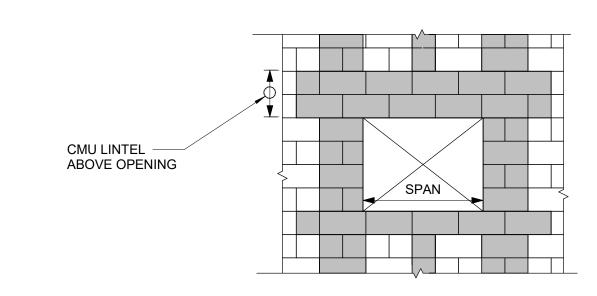
ANCHORED TO SLAB

BOLT II @ 600 O/C INTO CORE FILLED CONC. BLOCK/CONC. SURFACE.

MASONRY WALL

REFER TO PLAN & SCHEDULE

1. PROVIDE FULL TENSION LAP IN VERTICAL REINF AS REQUIRED. TYPICAL NEW MASONRY WALL DETAILS D2300 / Scale: 1:20



4 OPENING IN NEW MASONRY WALL D2300 / Scale: 1:20

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PROJECT TITLE CITY OF TORONTO **ACCESSIBILITY UPGRADES** 

PROJECT ADDRESS

PROJECT NO:

9119- 19- 0162 / Arcadis 30279056 DRAWN BY: CHECKED BY: G. POULOU M. FAYAZI PROJECT MGR APPROVED BY: N. FRISCIC K. ANGER

SHEET TITLE

MASONRY DETAILS

SHEET NUMBER G03-D2300

ISSUE

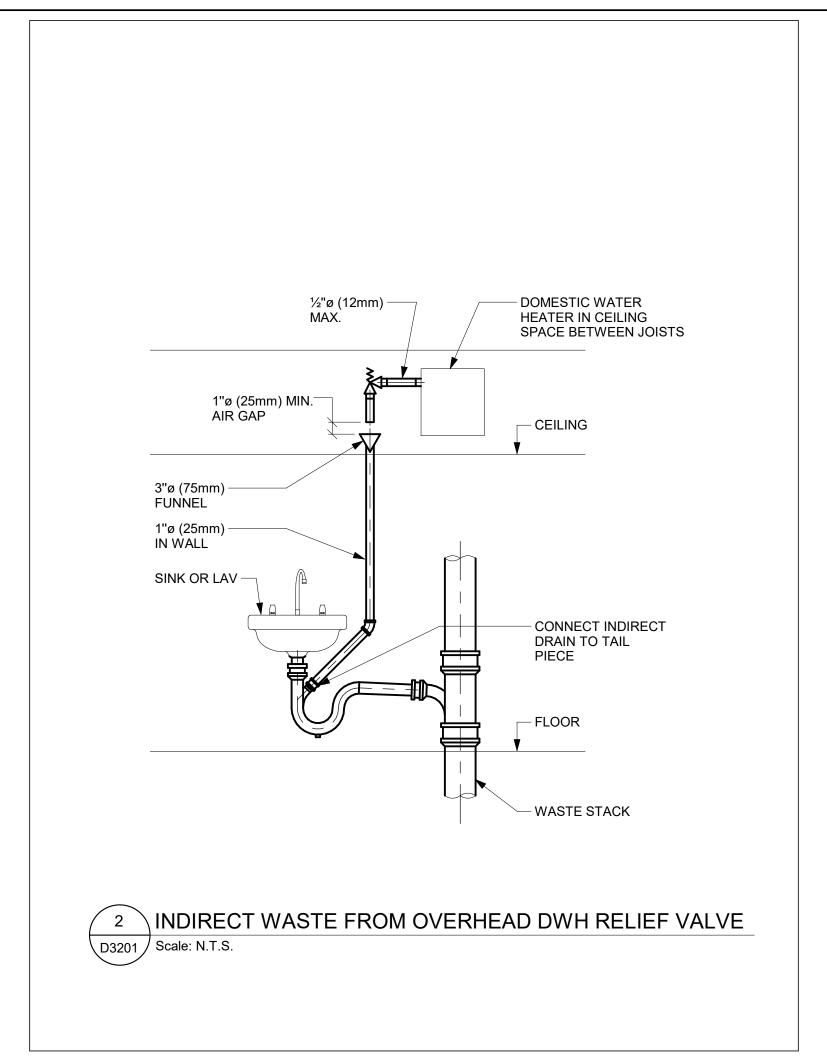
∖ D2300 / Scale: 1 : 20

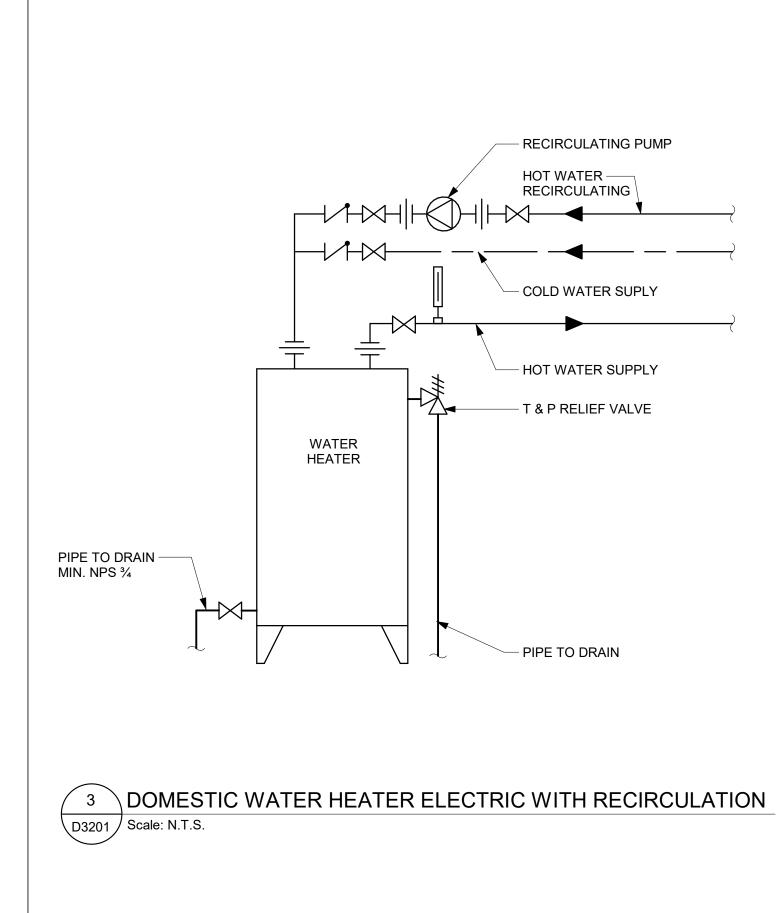
### PLUMBING FIXTURE SCHEDULE SERVICES DESCRIPTION REMARKS HW WASTE VENT WATER CLOSET (FLUSH VALVE) 40 WATER CLOSET (FLUSH TANK) 40 URINAL (FLUSH VALVE) 20 40 12 URINAL (FLUSH TANK) 12 32 32 LAVATORY 12 SHOWER 32 12 SERVICE SINK DRINKING FOUNTAIN 12 32 SINKS 12 32 GROUP WASH FOUNTAIN 25 40

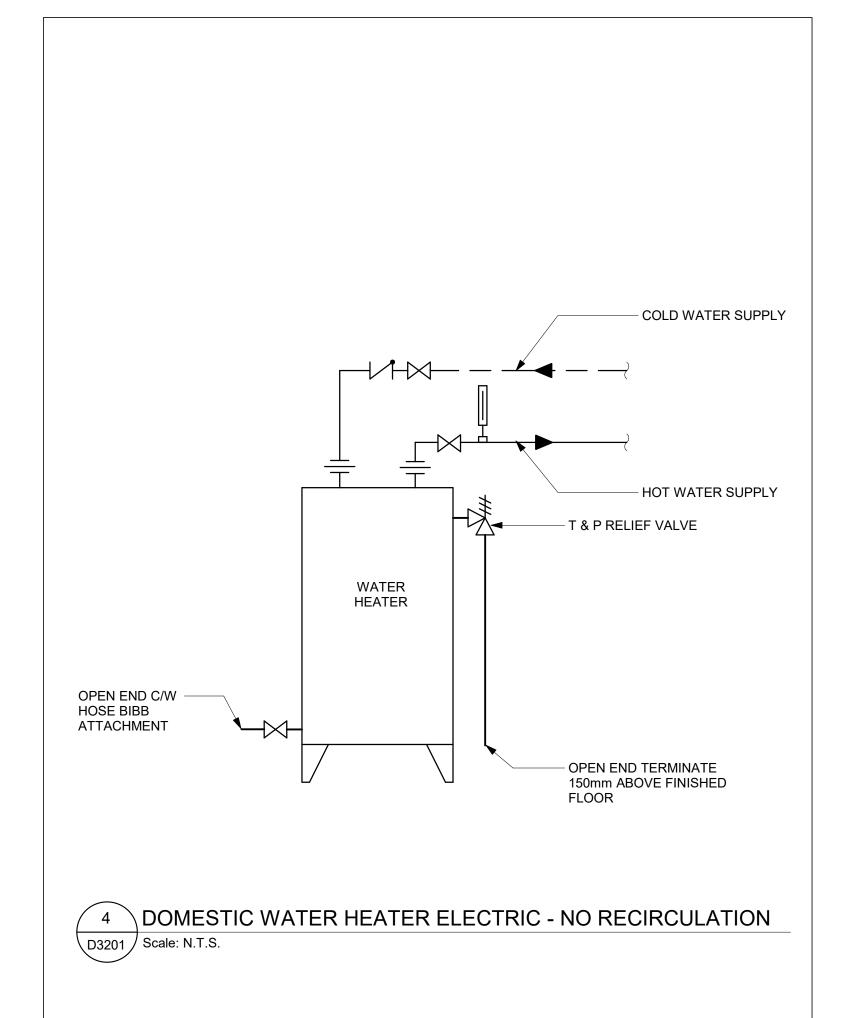
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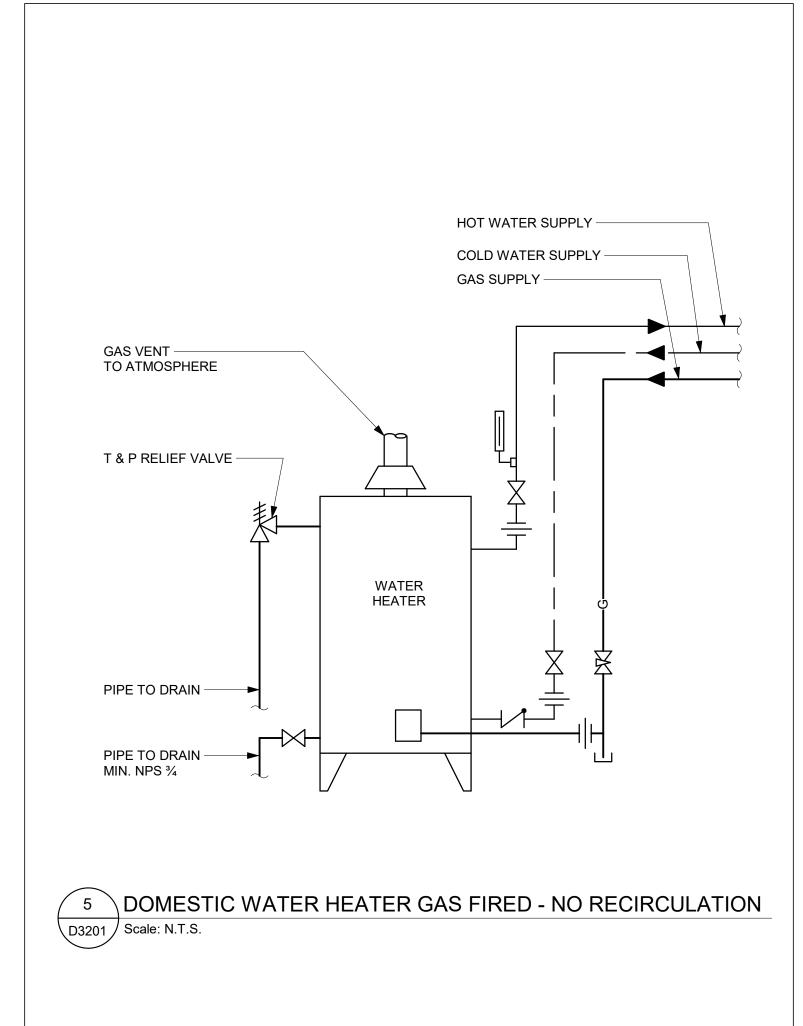
- 1. SIZING OF SUPPLIES INSIDE WASHROOM TO BE BASED ON 35 KPa PRESSURE DROP PER 30m OF PIPE OR MAXIMUM VELOCITY OF 1.2 mps.
- 2. CONTRACTOR SHALL PROVIDE SHOP DRAWING OF PLUMBING AND DRAINAGE INSIDE WASHROOM AREA FOR ALL WASHROOMS.

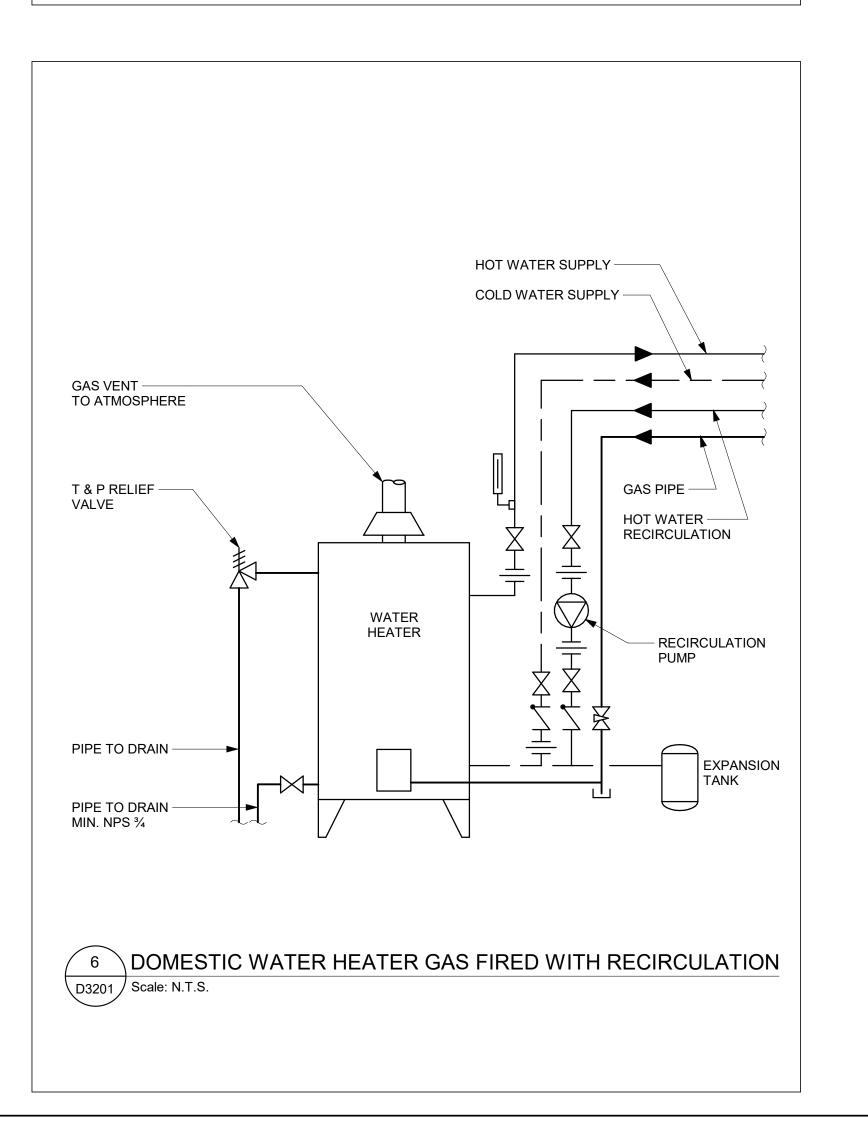












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PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:
K. DURUKAN
CHECKED BY:
B. LIAO

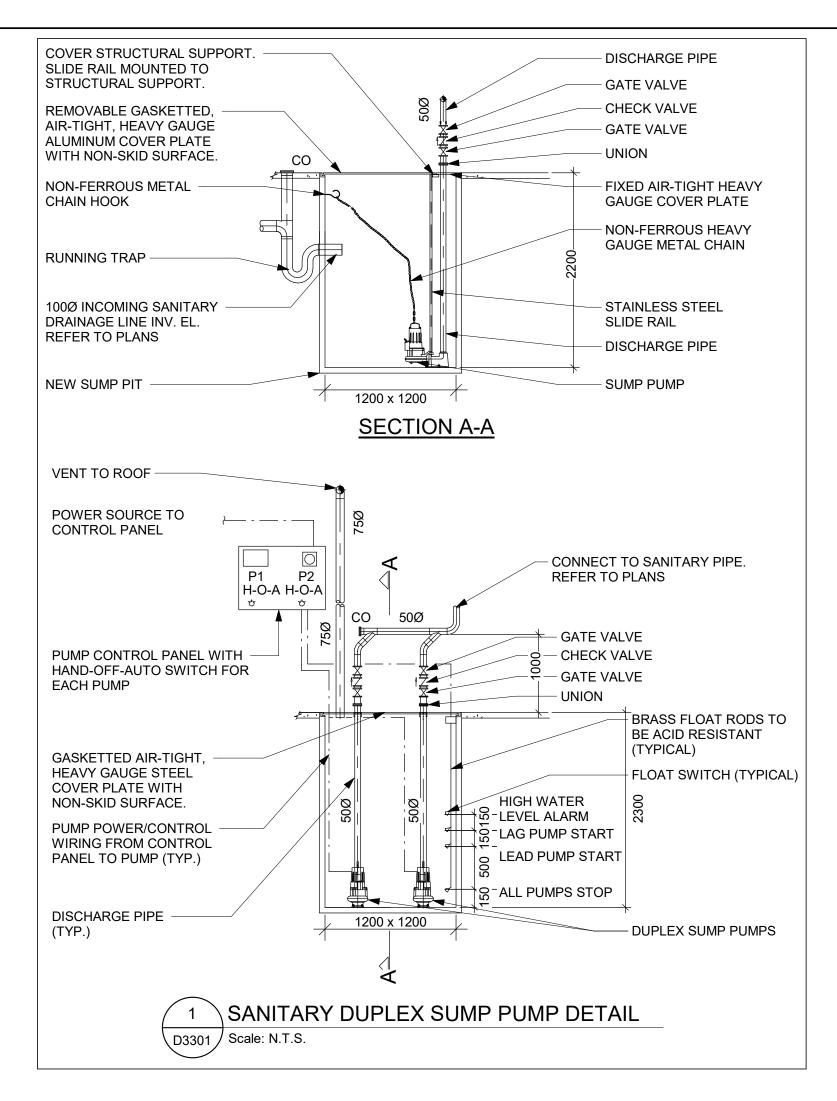
PROJECT MGR:
APPROVED BY:

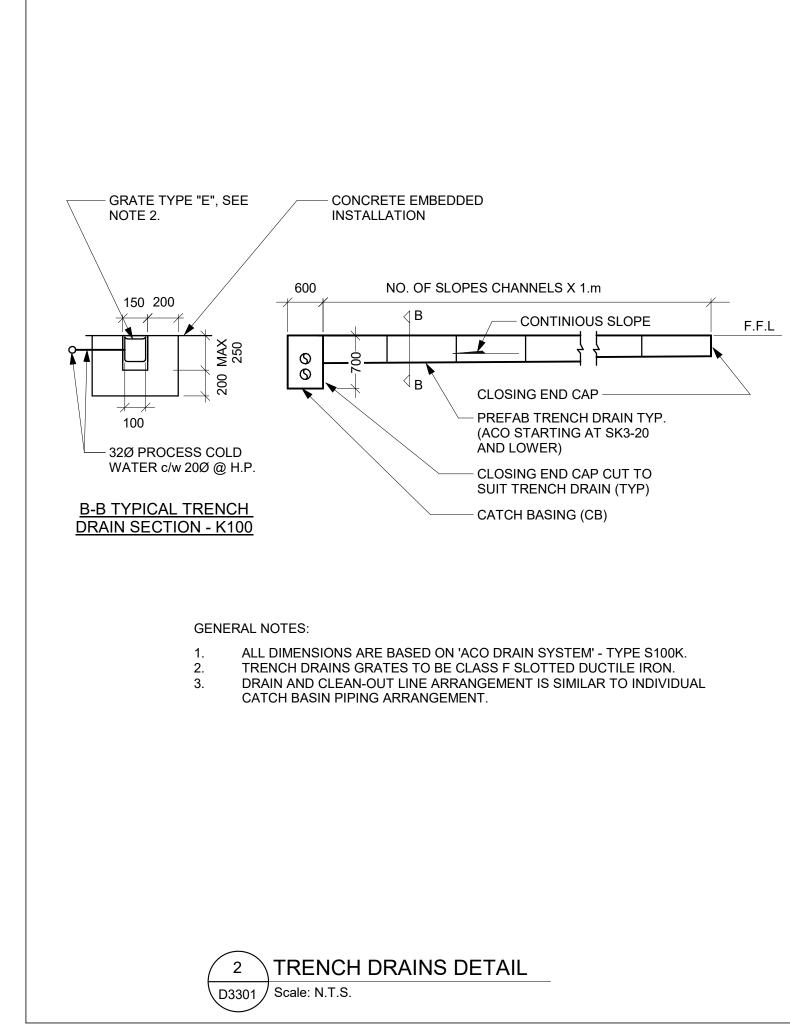
F. BOLOURIAN
SHEET TITLE

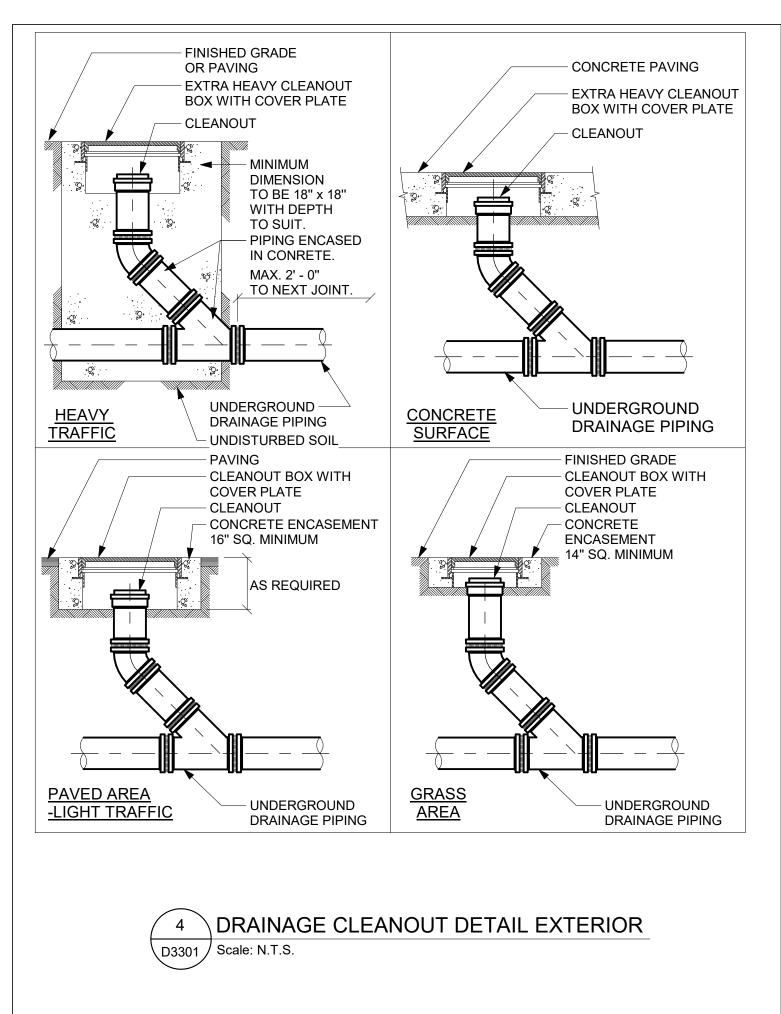
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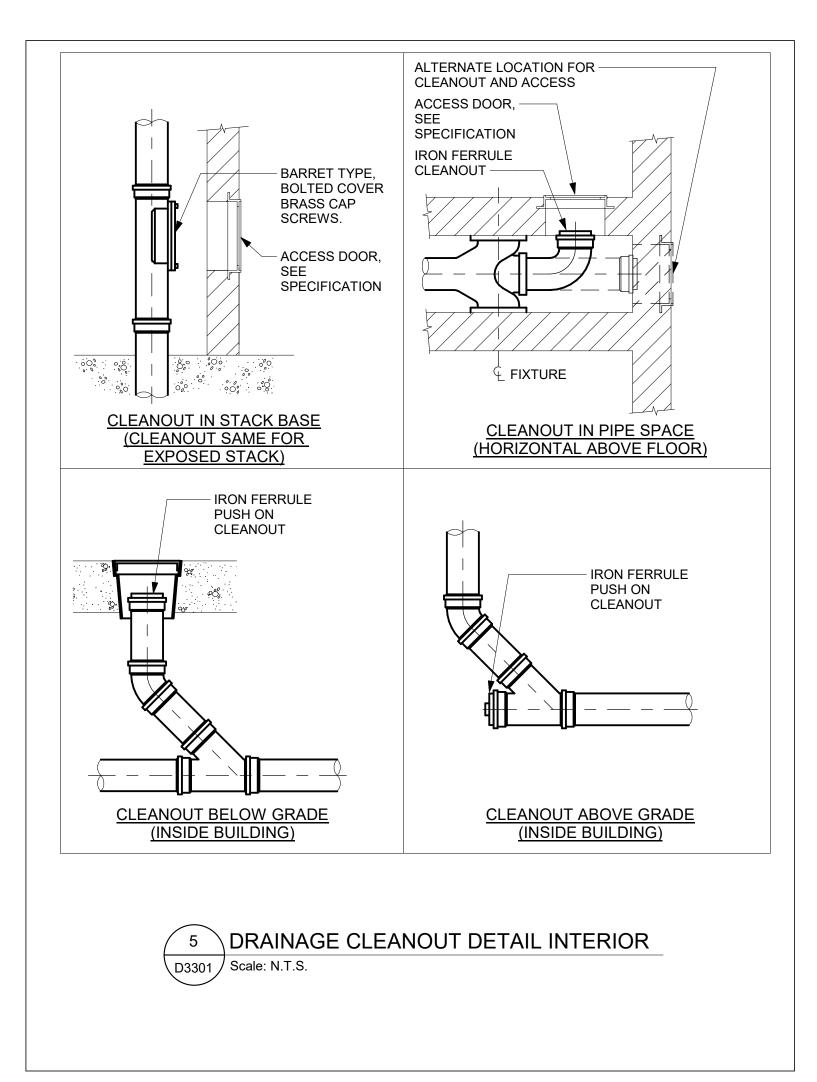
S. LIU

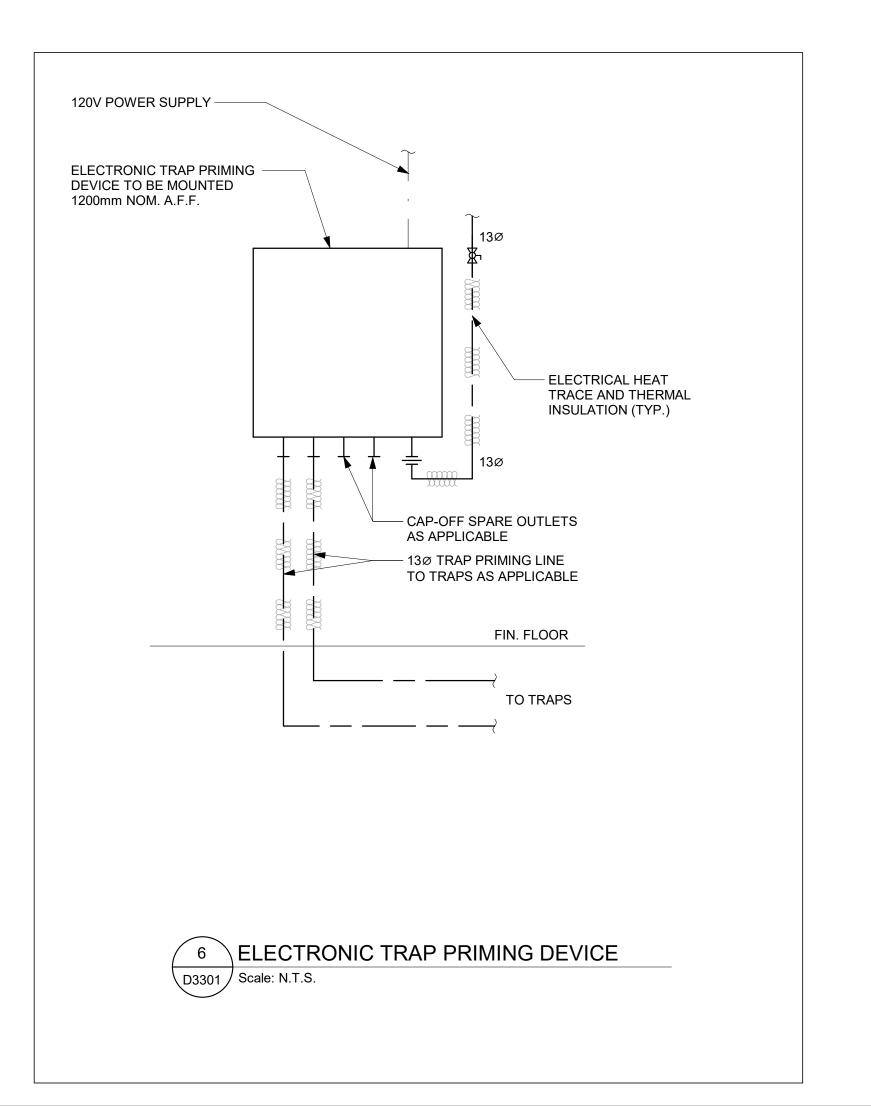
G03-GAL-D3201 F

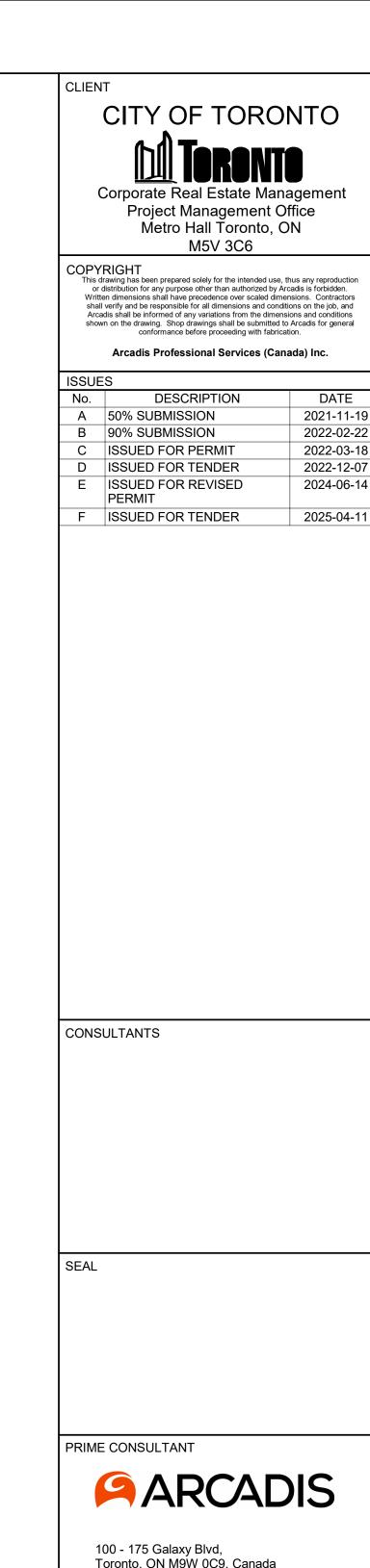














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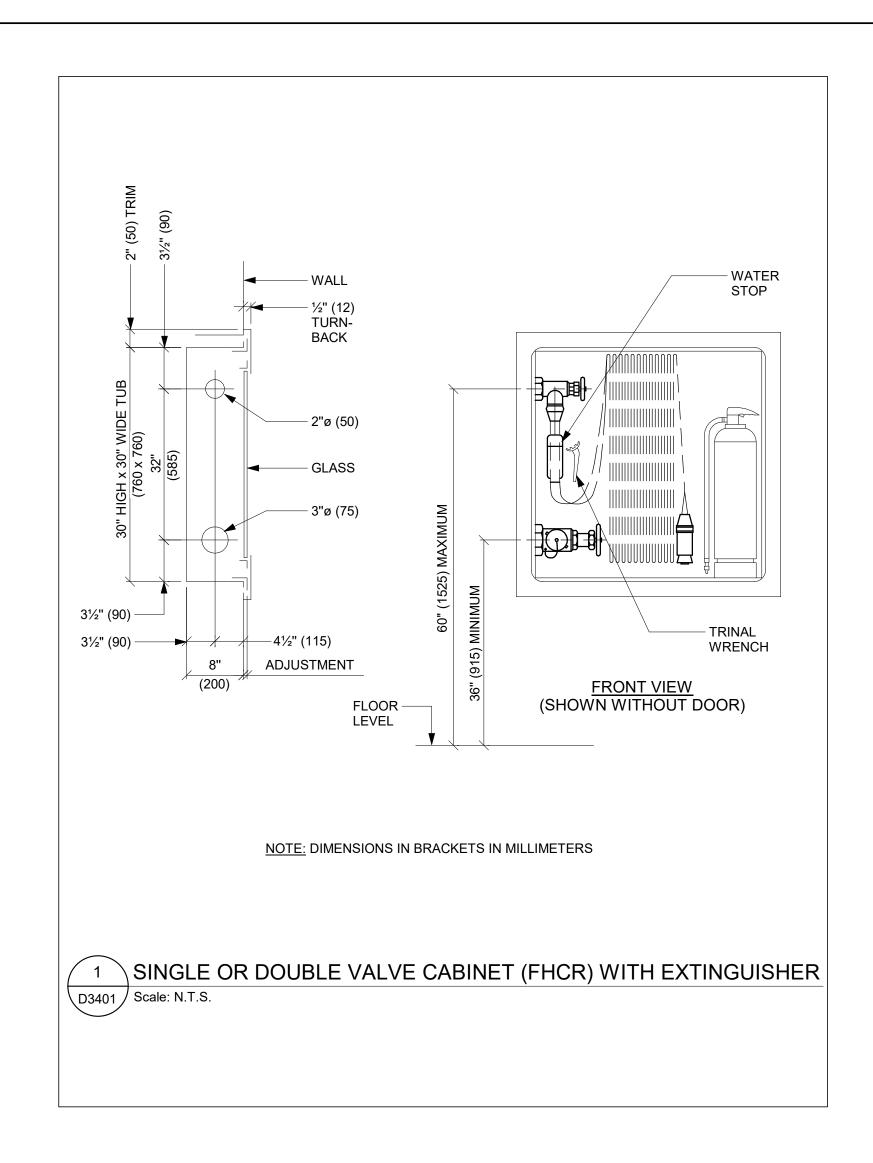
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SHEET TITLE DRAINAGE DETAILS

SHEET NUMBER

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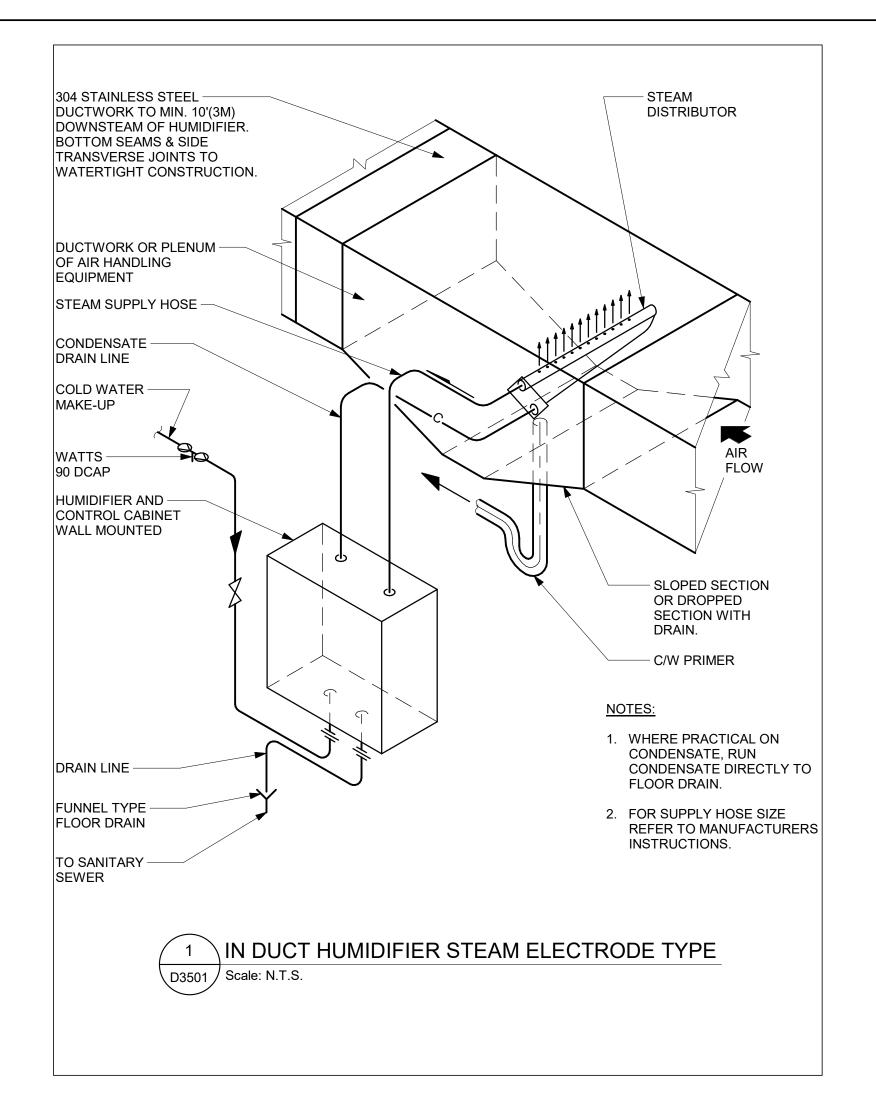
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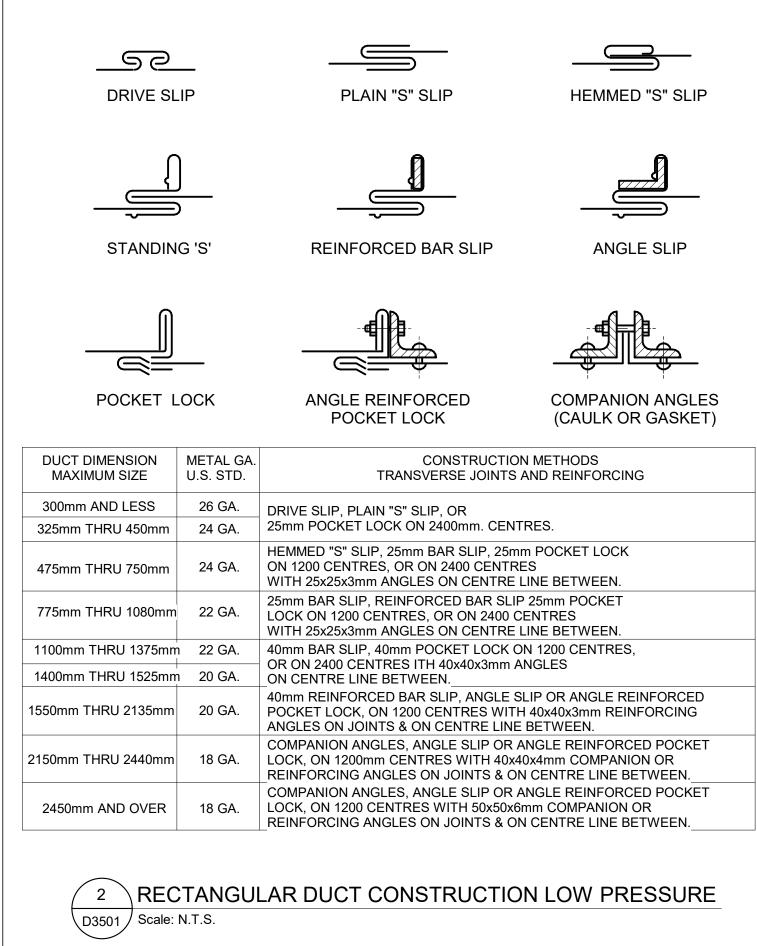
FIRE PROTECTION
DETAILS

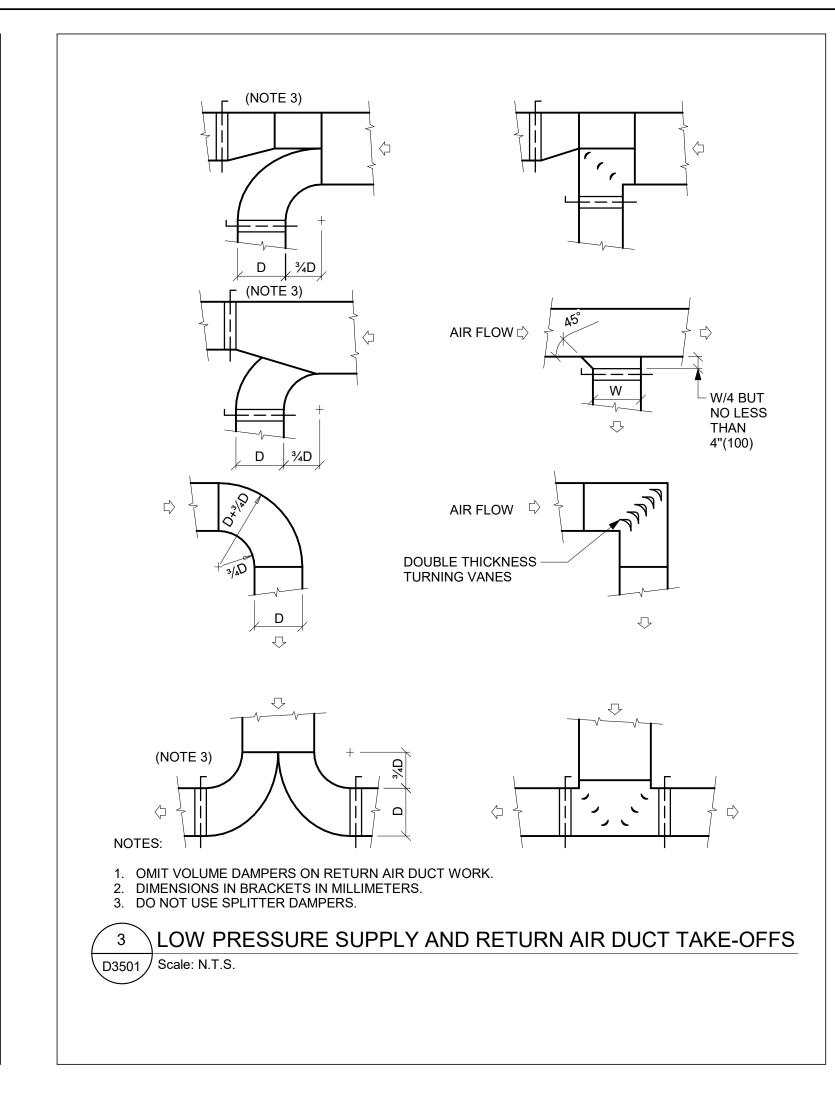
APPROVED BY: **S. LIU** 

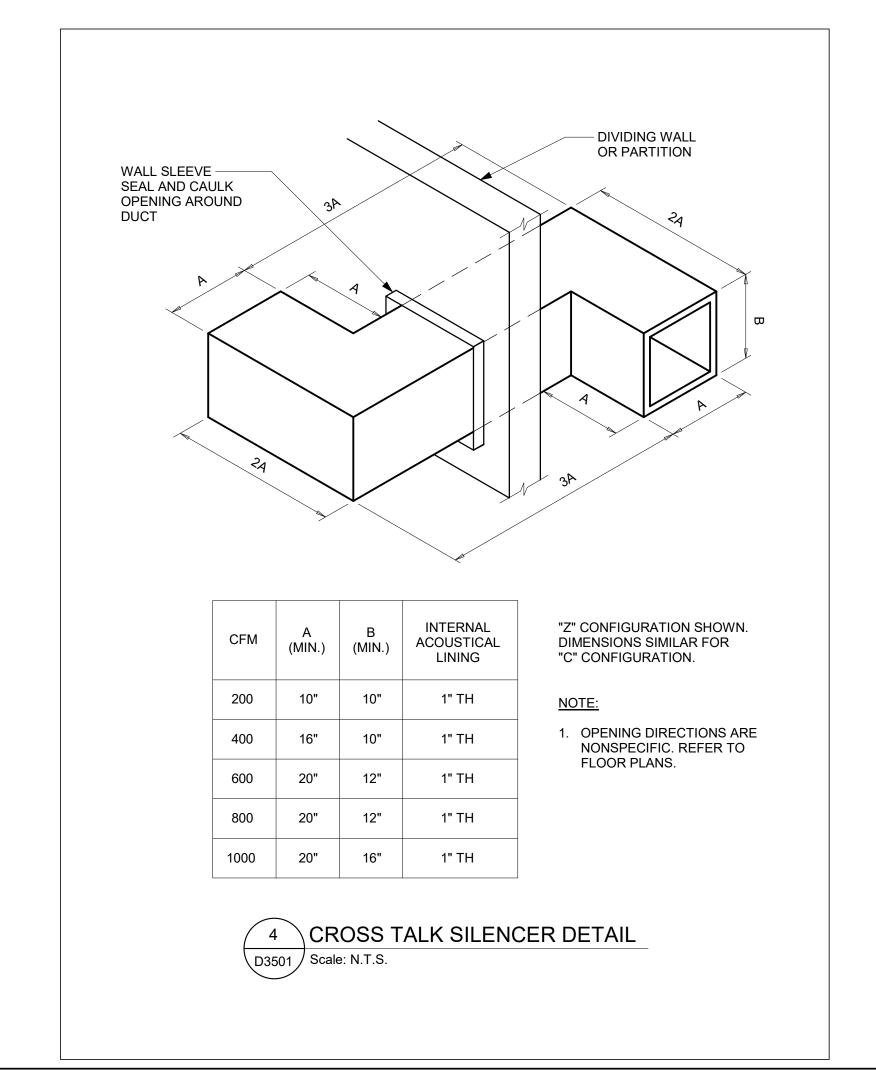
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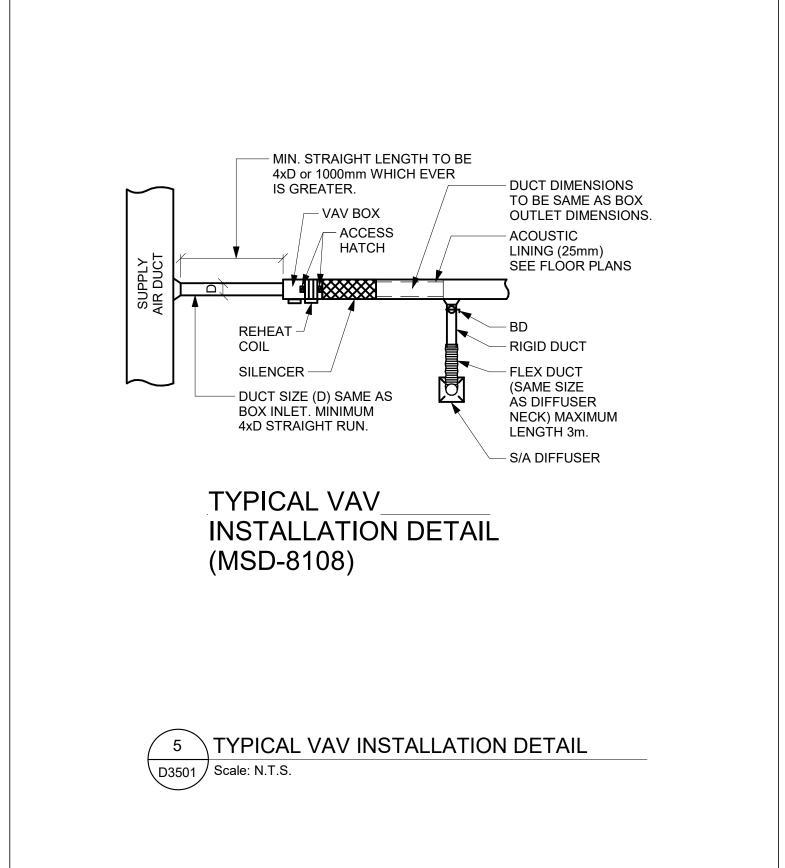
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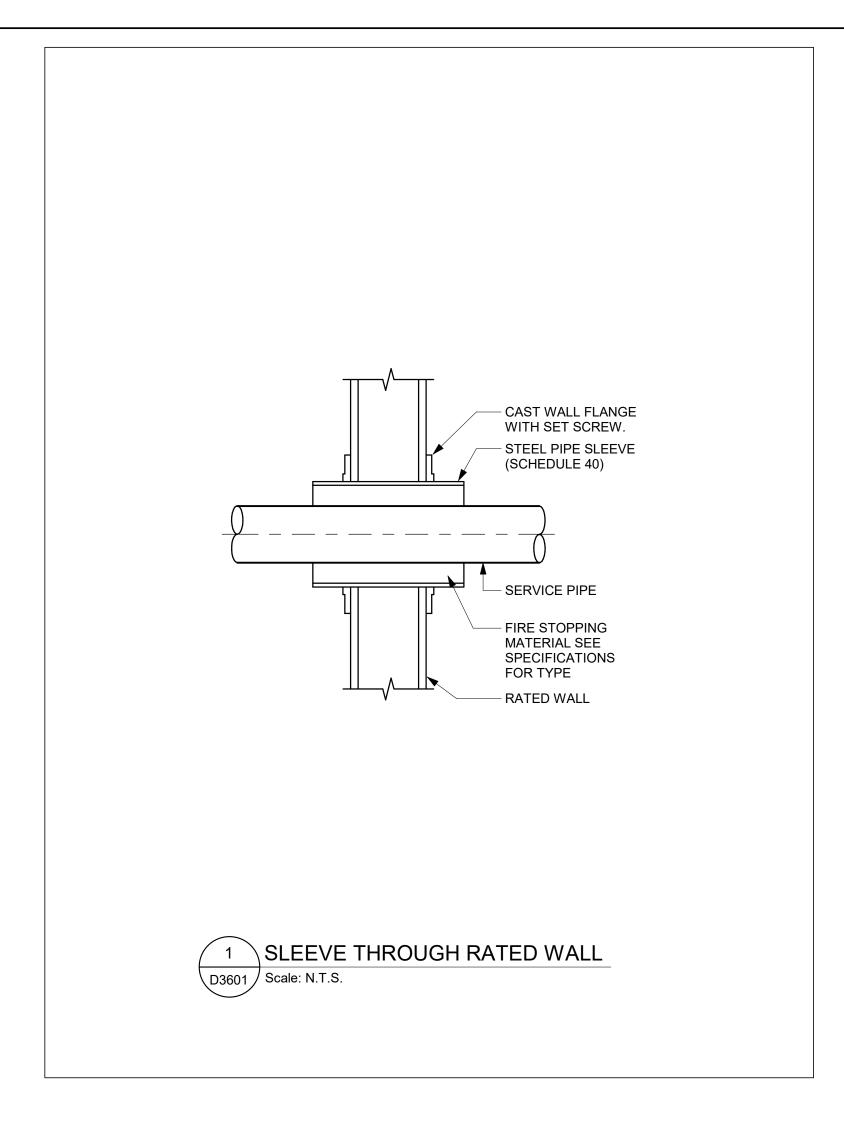
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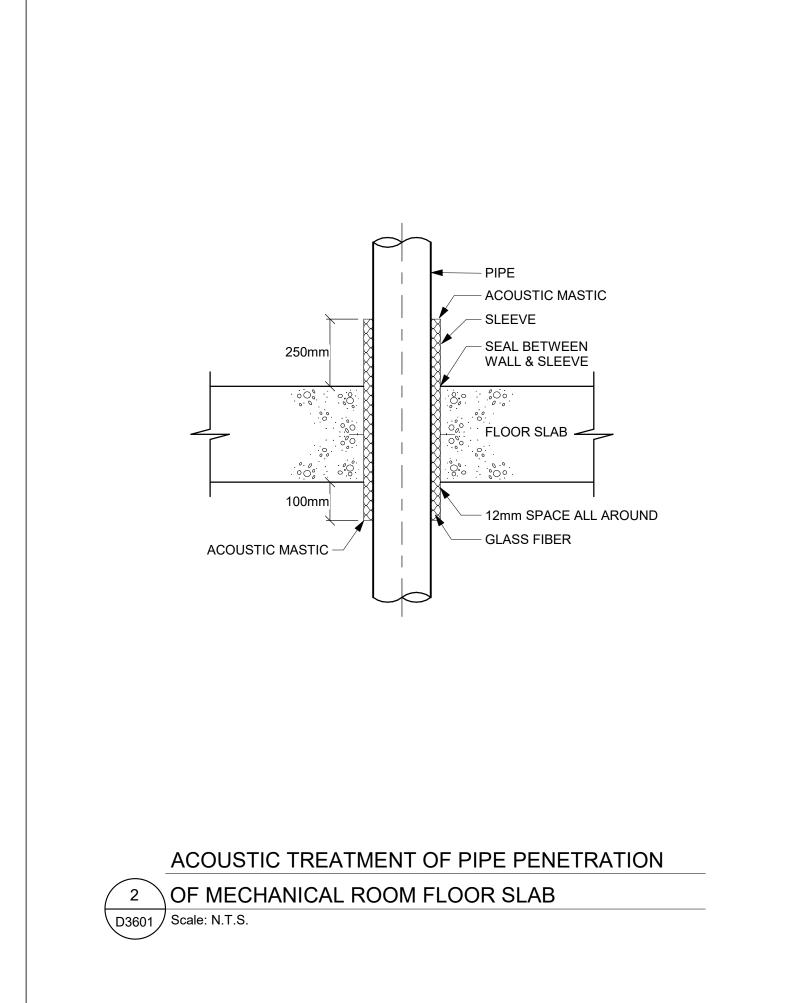
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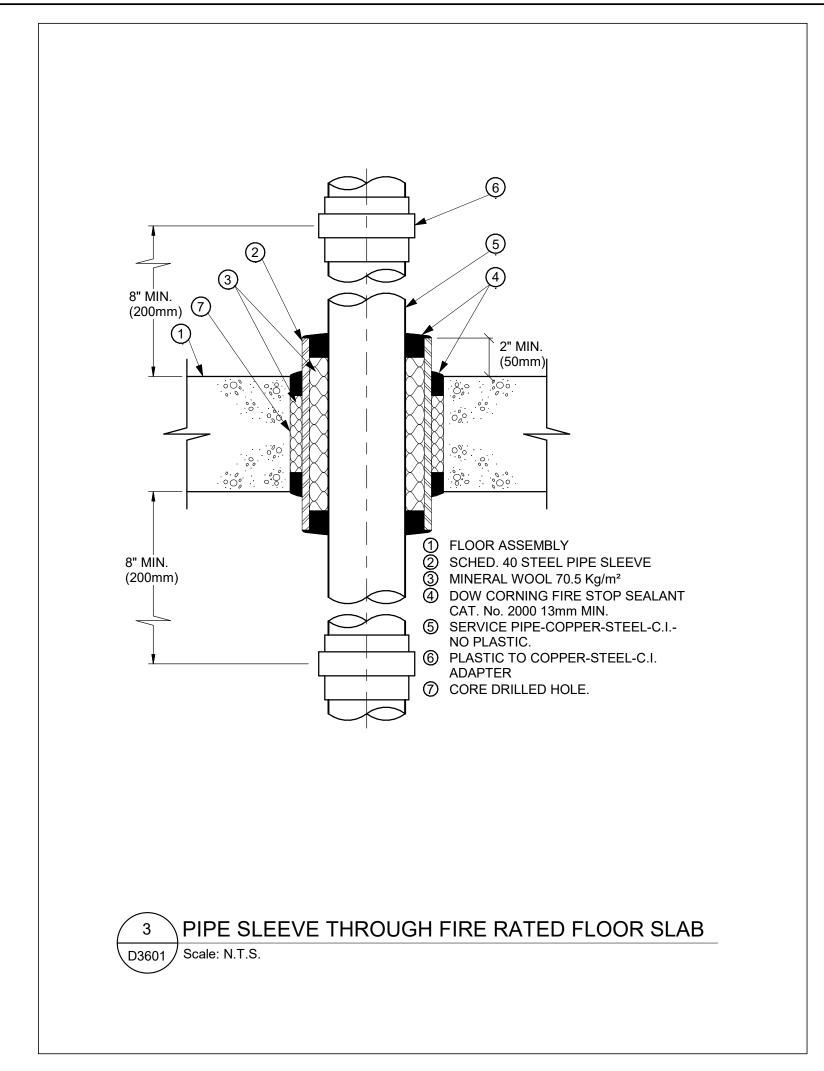
**HVAC DETAILS** 

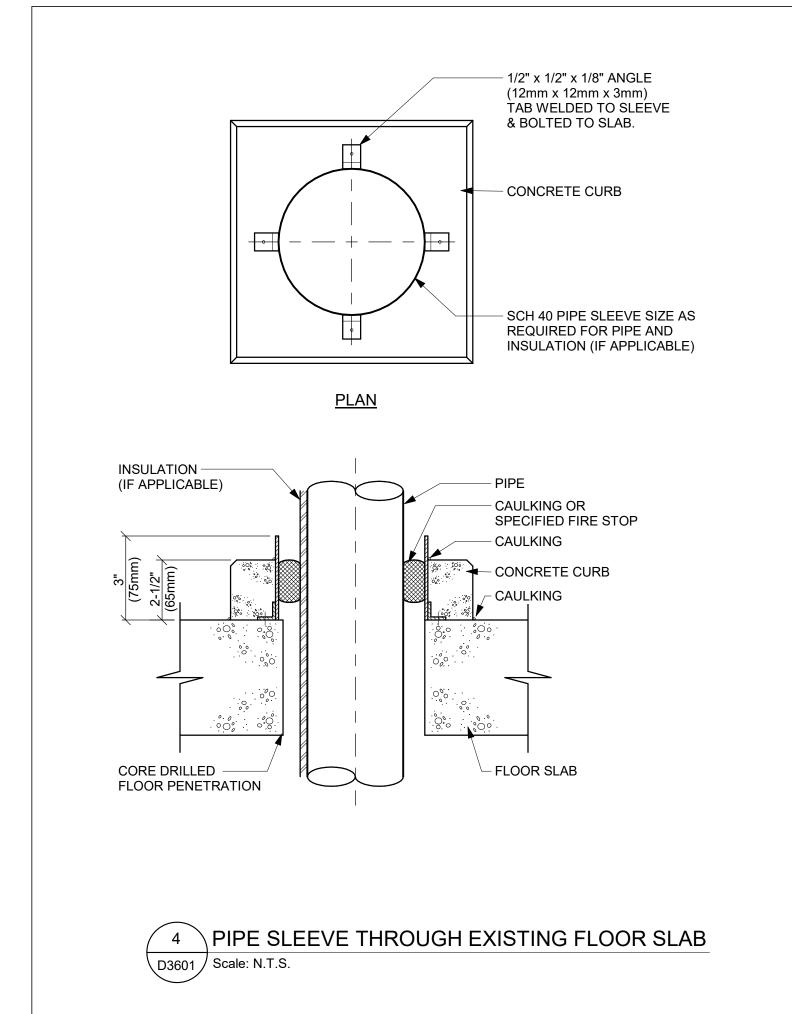
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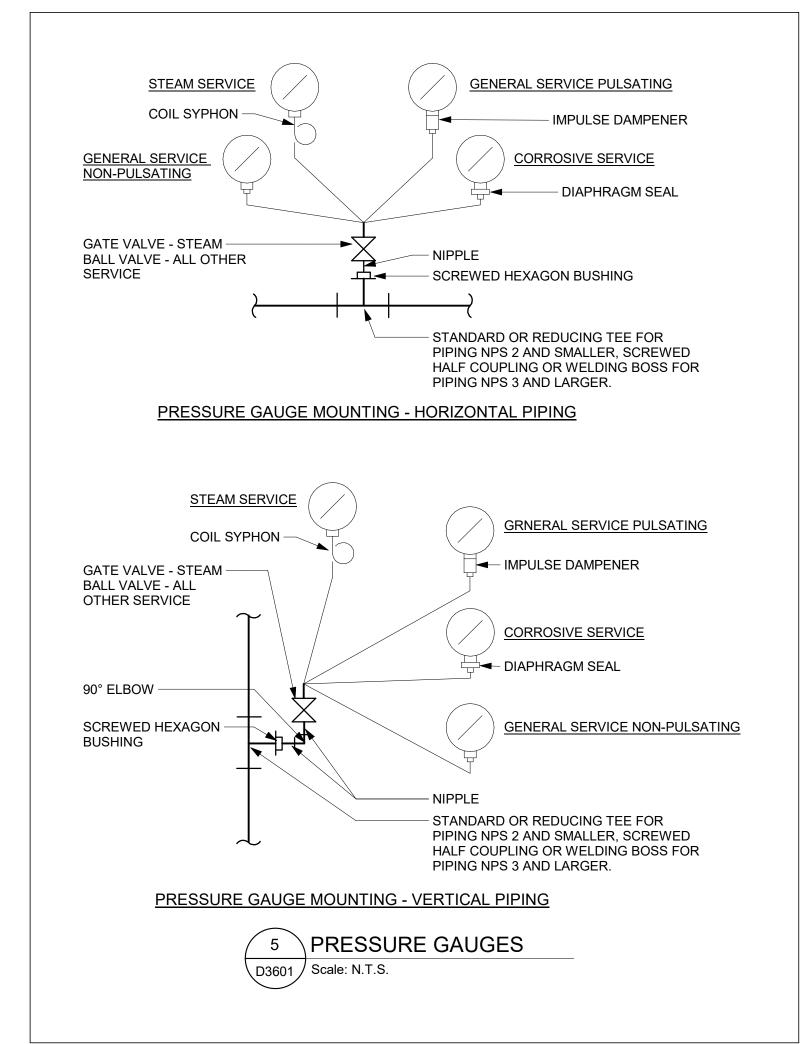
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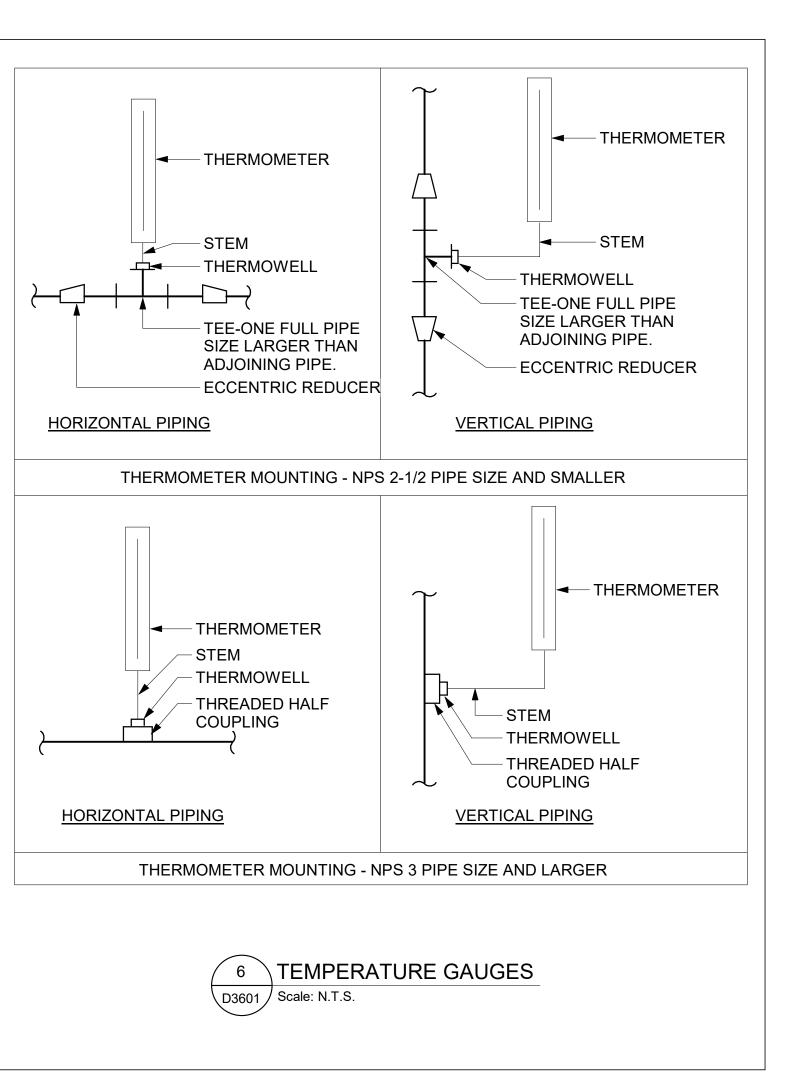


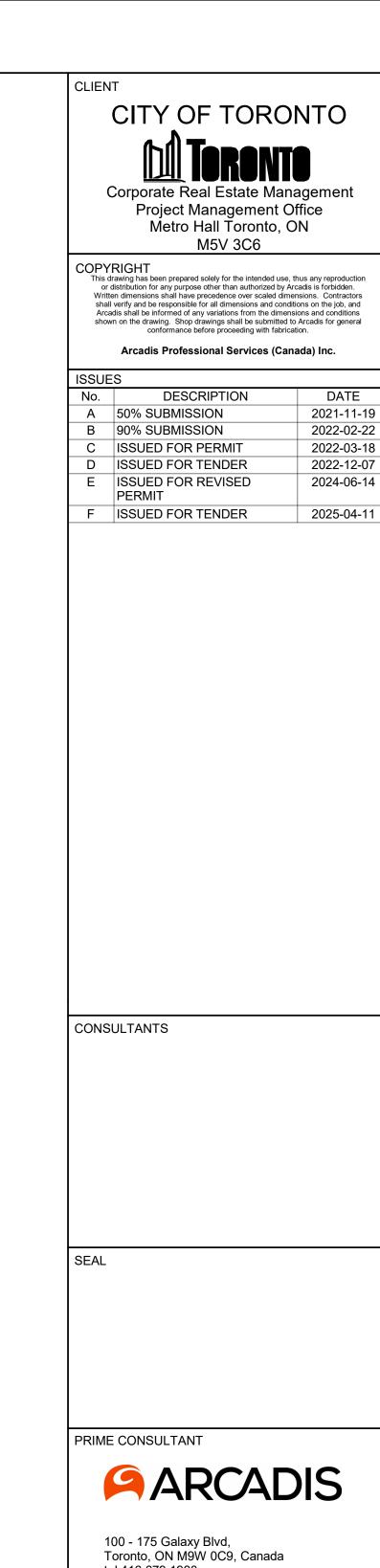














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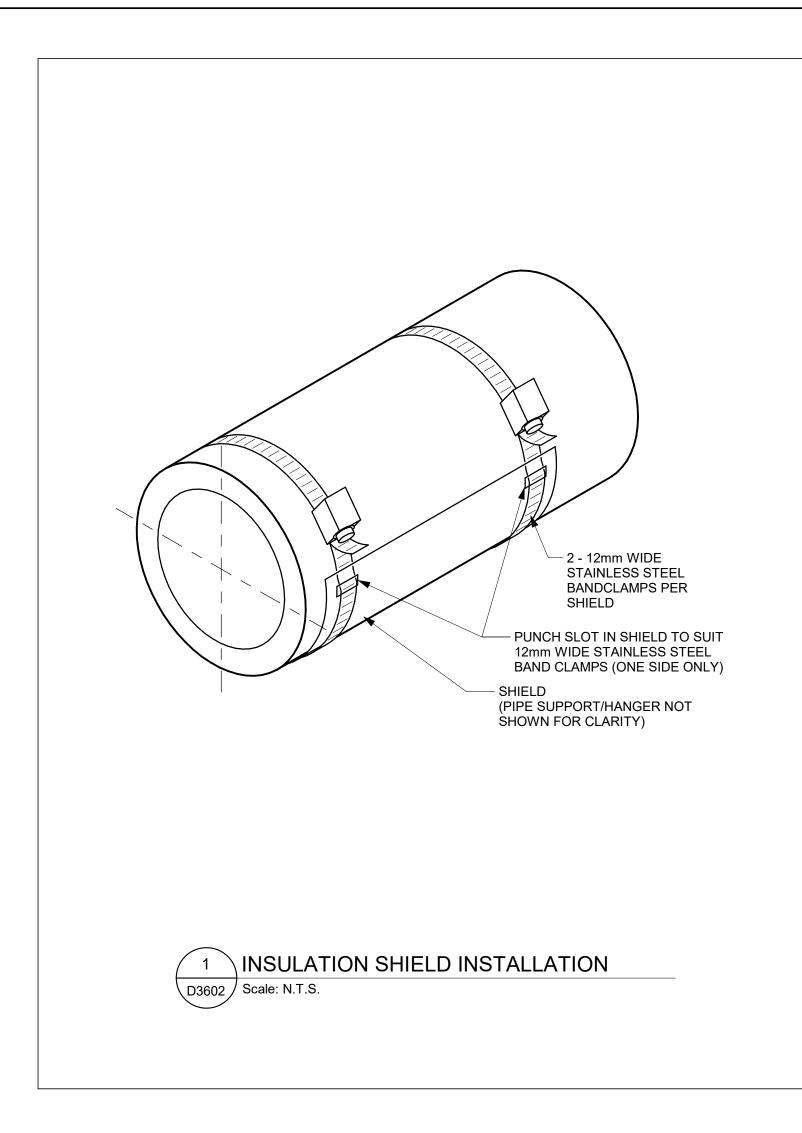
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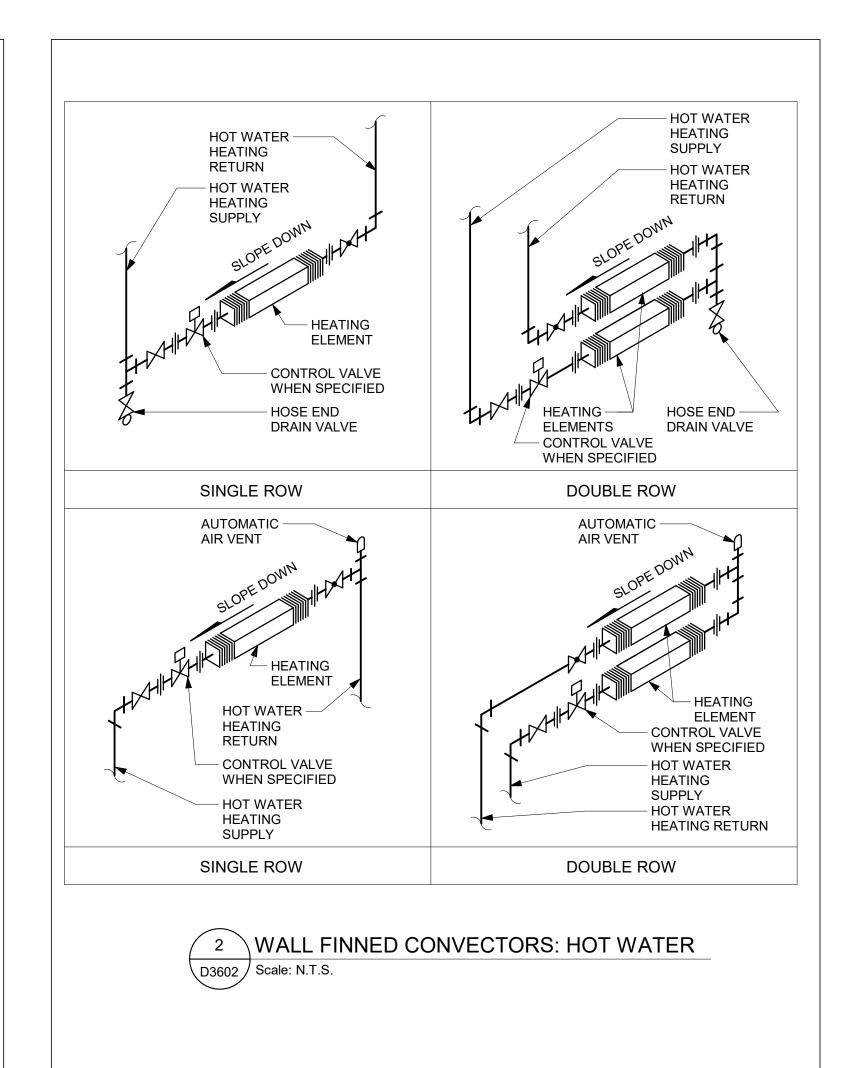
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PROJECT MGR:	APPROVED BY:		
F. BOLOURIAN	S. LIU		

SHEET TITLE PIPING DETAILS SHEET 1 OF 2

SHEET NUMBER

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DRAWN BY:
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PROJECT MGR:
F. BOLOURIAN

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G. VERNESCU

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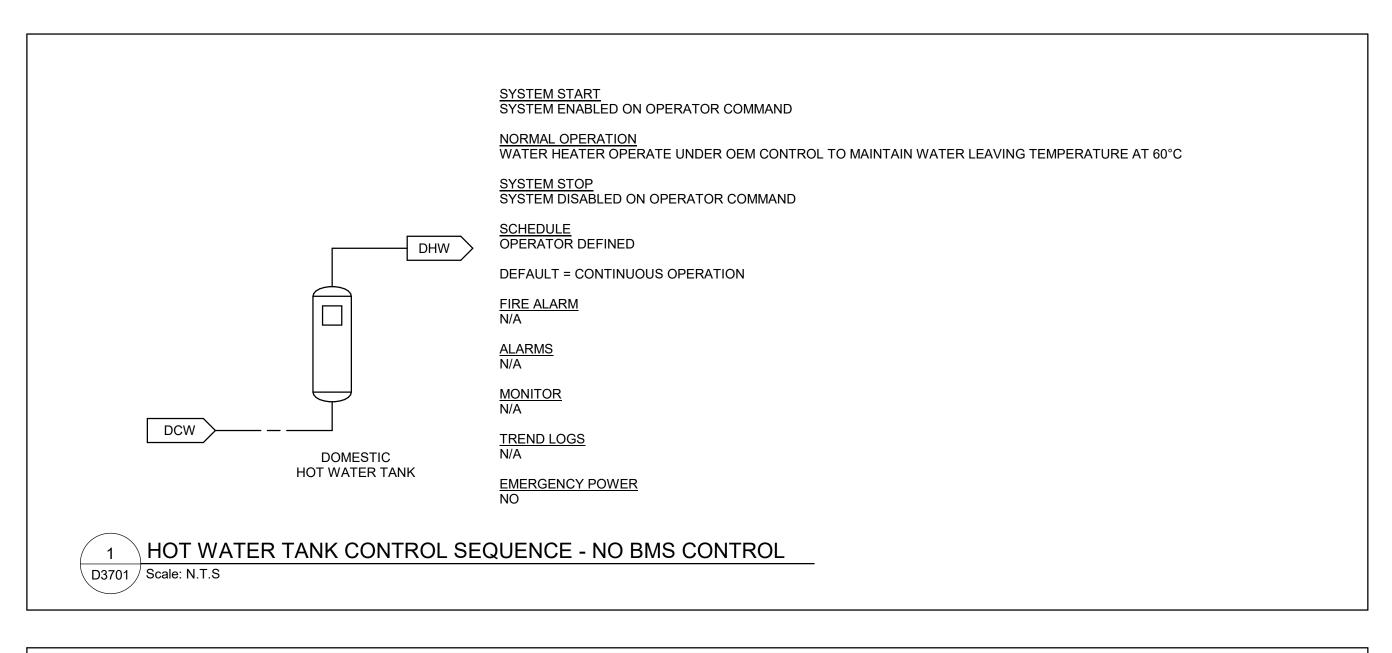
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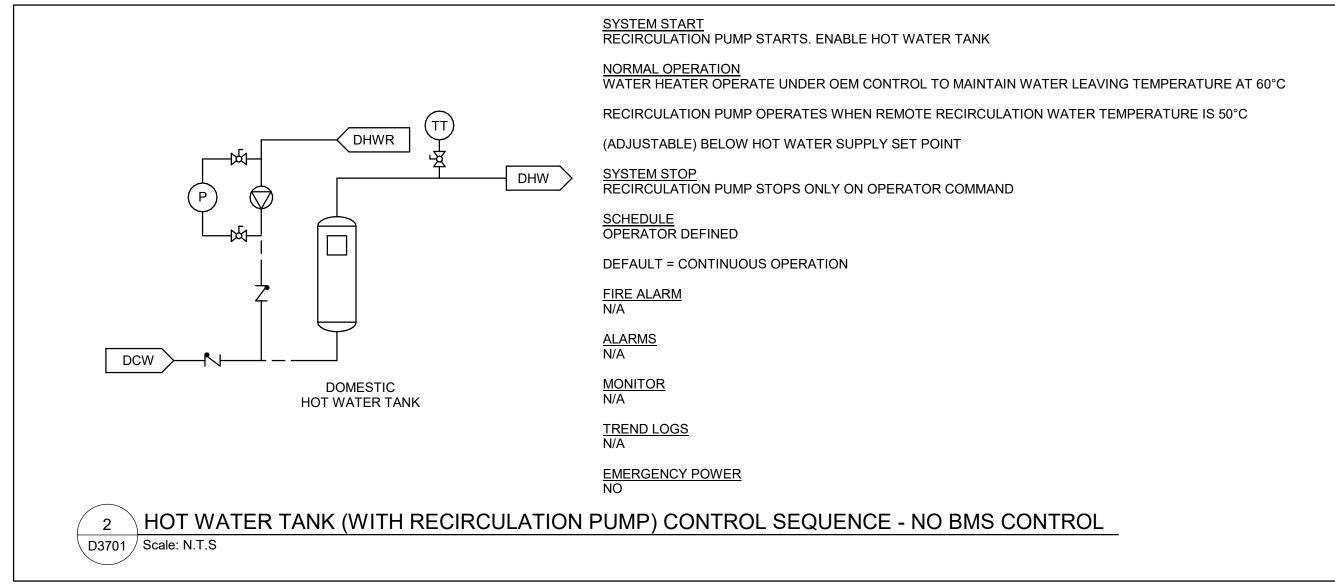
PIPING DETAILS SHEET 2 OF 2

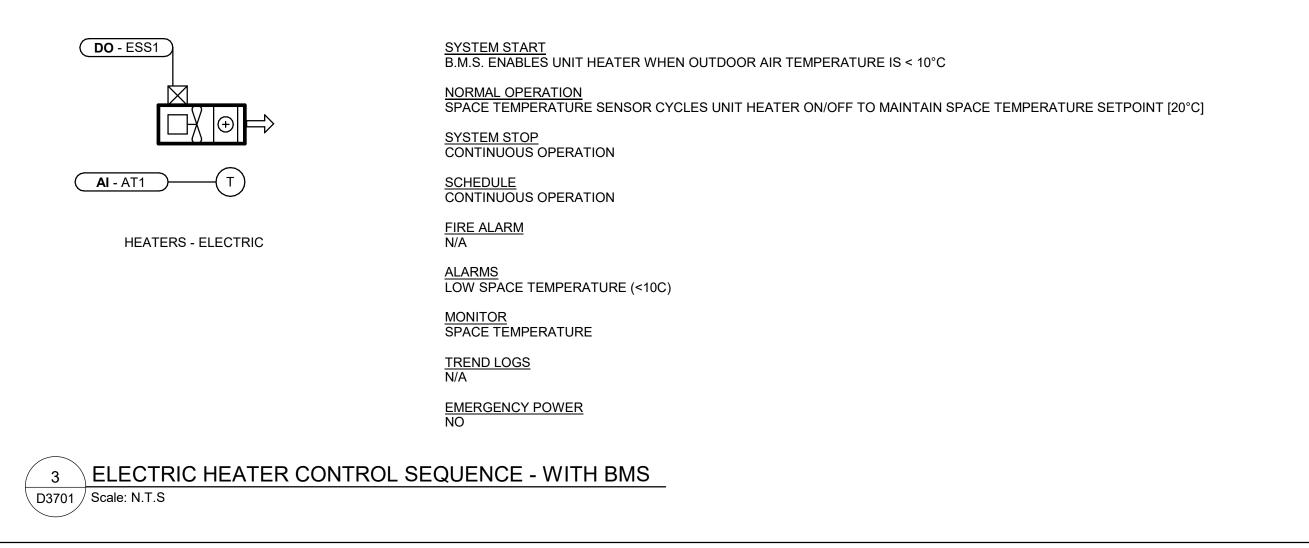
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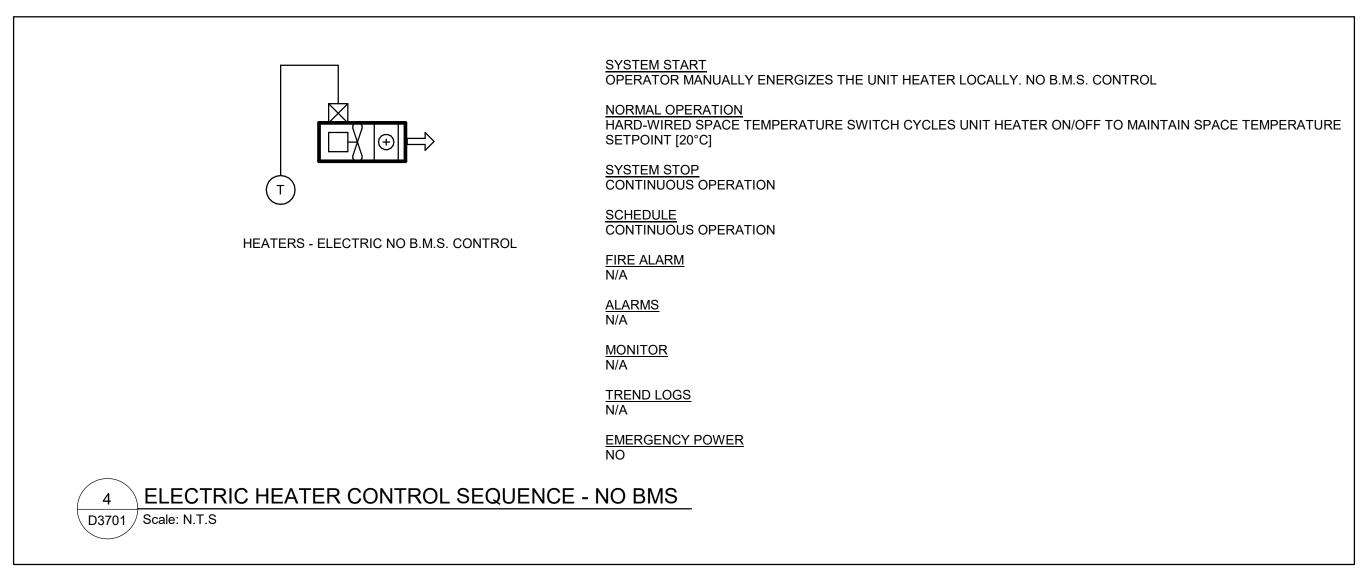
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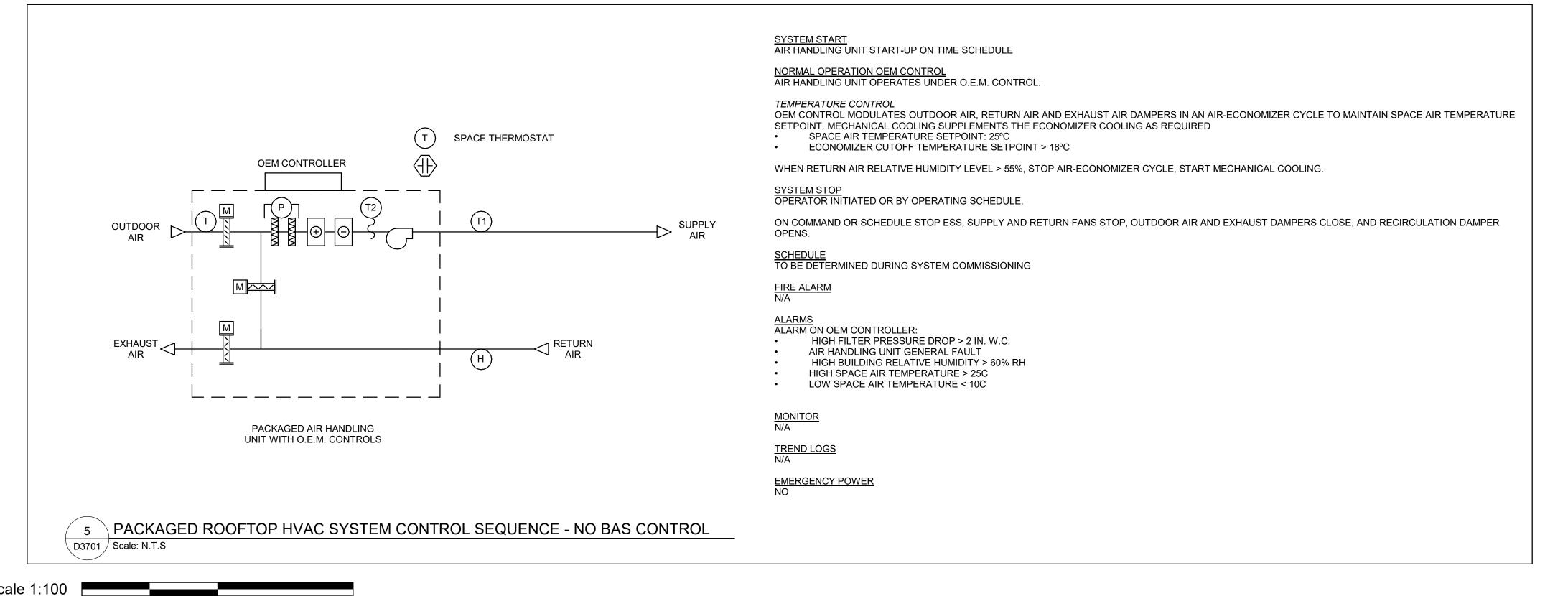
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PROJECT MGR

F. BOLOURIAN

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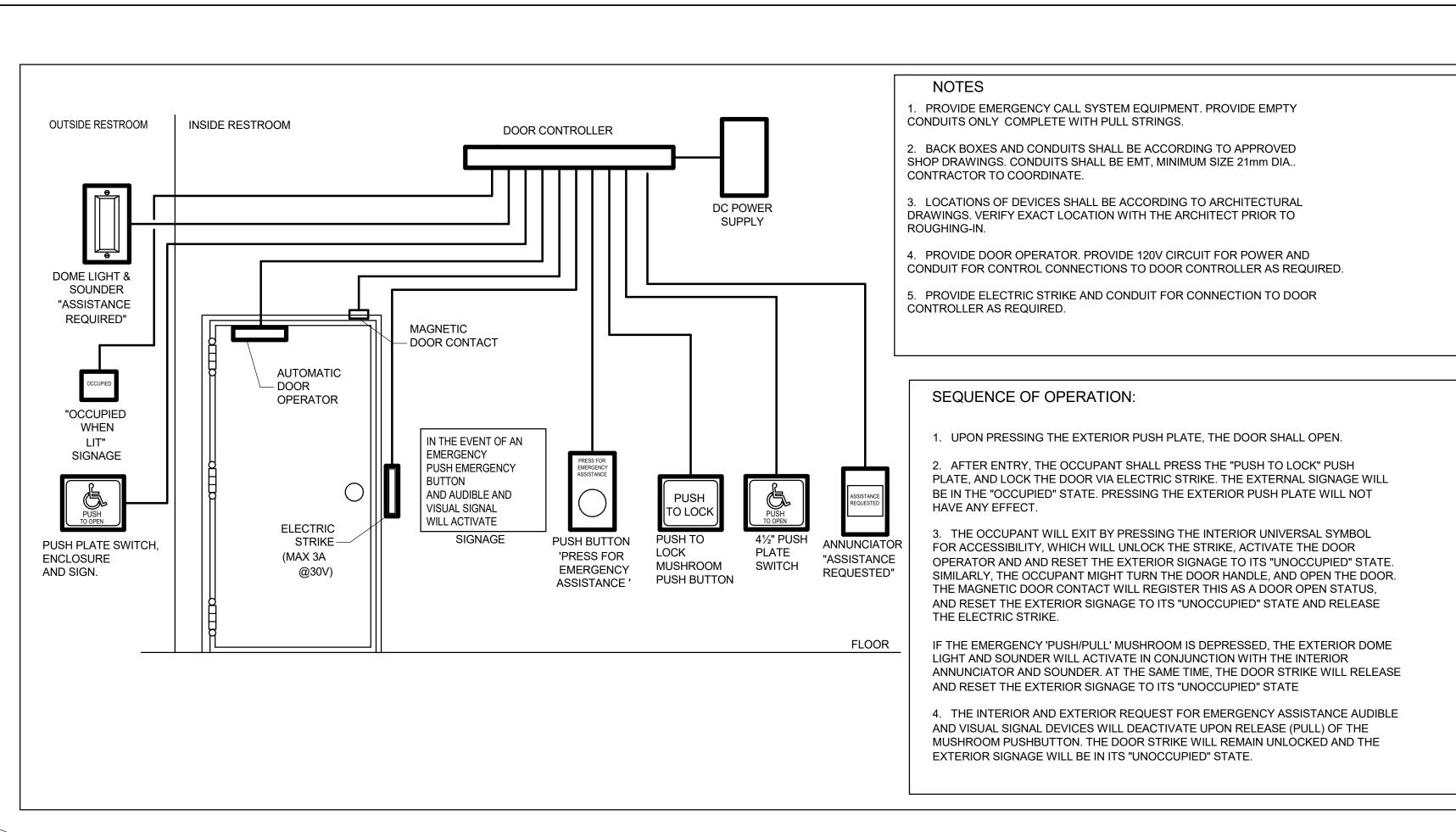
9119- 19- 0162 / Arcadis 30279056

CHECKED BY:

G. VERNESCU

APPROVED BY:

S. LIU



1 UNIVERSAL WASHROOM DETAIL

D4001 / Scale: NTS

---- 1-27C MIN - NOTE-6 TO POWER PANEL TO SECURITY CONTROL PANEL DOOR - 1-21C (TYP.) CONTROL NOTE-7 (TYP.) BOX CEILING LINE OR EQUIVALENT (3000 AFF) CONCEAL CONDUIT BELOW CEILING LINE OR 3000AFF (TYP.) COORDINATE CONDUIT WITH PREFORMED LOCATION FOR DOOR DEVICE BOX FOR REQUEST TO EXIT MONITOR SWITCH DOOR OPERATOR SENSOR AND/OR AUDIO ANNUNCIATOR WHERE REQUIRED (NOTE-8) ACTUATING MAGNET FOR DOOR MONITOR SWITCH INSTALLED IN TOP EDGE OF DOOR. (NOTE-10) EXTEND CONDUIT INSIDE DOOR FRAME JAMB TO STRIKE POSITION - ELECTRICAL TRANSFER HINGE/LINK DOOR POWER PUSH BUTTON CARD READER-SECURE MOUNTED ON SECURE SIDE OF WALL WHEN INDICATED. CARD READER AND/OR KEY PAD ON PUBLIC SIDE OF WALL WHERE DOOR MOUNTED BOLT RELEASE/RETRACT DEVICES REQUIRED (NOTE-8) WHEN USED. (NOTE-9) 1-21C (NOTE-11) ELECTRIC STRIKE (NOTE-12) FLOOR

### NOTES:

- 1. THIS CONSTRUCTION DETAIL IS FOR SCHEMATIC PURPOSE ONLY, REFER TO POWER AND SECURITY LAYOUT DRAWINGS AND DOOR HARDWARE SCHEDULE FOR EXACT COMPONENTS REQUIRED AND CONDUIT ROUTING.
- 2. ALL CONDUITS WITH PULL STRING, JUNCTION BOXES, PULL BOXES, DEVICE BOXES AND POWER WIRES BY DIV.26.
- 3. SECURITY DOOR CONTROLLER, CARD READER, ALARM BUZZER, KEYPAD, REQUEST TO EXIT SENSOR AND SECURITY WIRES BY SECURITY VENDER WHERE REQUIRED.
- 4. POWER SUPPLY, DOOR OPERATOR/CONTROLLER, DOOR POWER PUSH BUTTON, ELECTRIC STRIKE/BOLT/LATCH, DOOR CONTACT (MONITOR SWITCH), BY DOOR HARDWARE CONTRACTOR WHERE REQUIRED.
- 5. PROVIDE CONTINUOUS ELECTRICAL RACEWAY CONSISTING OF CONDUIT AND/OR CABLE TRAY. NO FREE AIR RUNNING SECURITY CABLE.
- 6. JUNCTION BOX SIZED TO ACCOMMODATE LOCAL DOOR CONTROL SYSTEM; MIN. 300x300x150 WITH REMOVABLE AND TAMPER RESISTANT COVER; SURFACE MOUNTED FOR SOLID WALL CONSTRUCTION. SAME WITH 100x100x54 DEVICE BOX WITH 38MM EXTENSION RING TO DEPTH OF 92MM, FLUSH MOUNT FOR CAVITY OR BLOCK WALL CONSTRUCTION. USE COMMON CONDUIT, PULL BOXES AND JUNCTION BOXES FOR INTRUSION DETECTION AND ACCESS CONTROL WIRING.
- 7. USE JUNCTION BOX AT CORNER FOR BLOCK WALL CONSTRUCTION. CONCEAL VERTICAL CONDUIT. SURFACE MOUNT HORIZONTAL CONDUIT ON SOLID WALL ONLY
- 8. DEVICE BOX MOUNTED FLUSH WITH SURFACE. PROVIDE SINGLE DEVICE COVER PLASTER RING FOR CAVITY OR BLOCK WALL CONSTRUCTION. REFER TO LAYOUT DRAWING FOR LOCATION. COORDINATE WITH DOOR HARDWARE SCHEDULE FOR EXACT SIZE. DISPENSE WITH WALL BOX WHEN MULLION MOUNT IS INDICATED IN THE DOOR HARDWARE SCHEDULE.
- 9. BOLT RELEASE/RETRACT DEVICE MAY BE PUSH-BAR OR LEVER TYPE. USE TYPE INDICATED IN DOOR HARDWARE
- 10. WHERE DOOR PERFORMANCE REQUIREMENTS CALL FOR INTRUSION DETECTION AND ACCESS CONTROL, USE MAY BE MADE OF 2 SEPARATE SINGLE POLE SWITCHES OR ONE COMMON 2 POLE SWITCH. MAINTAIN SEPARATION BETWEEN WIRING OF TWO SYSTEMS.
- 11. USE OF BRIDGING CONDUIT ACCEPTABLE FOR CAVITY OR BLOCK WALL CONSTUCTION WHERE SITE CONDITIONS PERMIT.
- 12. OMIT WHEN ELECTRIC LATCH IS USED.
- 13. ENSURE THAT WHEN CREDENTIAL IS NOT PRESENTED AND DOOR PUSH BUTTON IS TRIGGERED THAT MOTOR DOES NOT ENGAGE. SEQUENCE OF OPERATION IS TO PRESENT CREDENTIAL -> ACTIVATE DOOR OPERATOR PUSH BUTTON

2 SECURITY SINGLE DOOR DETAIL - POWER OPERATED
D4001 Scale: 1:1



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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO: 9119- 19- 0162 / Arcadis 30279056

DRAWN BY:

V. MAC

PROJECT MGR:

N. FRISCIC

CHECKED BY:

M. BOJIC

APPROVED BY:

P. WILLIAMS

SHEET TITLE

ELECTRICAL DETAILS 1

SHEET NUMBER
D4001

D

2025-05-07 11:03:06 AM

MOUNTING HEIGHTS SCHEDULE			
MOUNTING HEIGHTS TO TOP OF DEVICE. ALL DIMENSIONS ARE ABOVE FINISHED FLOOR (AFF) UNLESS	NOTED OTHERWISE.		
MOUNTING HEIGHTS TO TOP OF DEVICE. ALL DIMENSIONS ARE ABOVE FINISHED FLOOR (AFF) UNLESS  LIGHT SWITCH	NOTED OTHERWISE.  — — — 1050mm — 460mm — 1050mm — 300mm ABOVE COUNTER  460mm — 1050mm — 1050mm — 1200mm — 2460mm — 2460mm — 500mm — CEILING — CEILING — 2000mm — 2000mm — 1800mm — 1800mm — 1800mm — 1050mm — AS PER MANUF. INSTRUCTION — 1050mm — — 2700mm — 2700mm — — 2700mm — — 2700mm — — 1200mm		
MOUNTING HEIGHTS AS APPLICABLE			

**GENERAL NOTES:** 

- 1. PROVIDE 1-#6 GND WIRE FOR ALL UNDERGROUND EMPTY CONDUITS AND COMMUNICATIONS CONDUITS WITHOUT METAL WIRING/CABLES TO FACILITATE FUTURE DETECTION.
- 2. NO SPLICES ARE ALLOWED FOR COMMUNICATION CABLES.
- 3. NO SPLICES ARE ALLOWED BELOW GRADE FOR POWER WIRE AND CABLE.
- 4. THERE MUST BE A BREAK IN ALL UNDERGROUND CONDUITS OUTSIDE THE BUILDING/TOWERS/ELECTRICAL/COMMUNICATIONS/BOILER ROOM TO ALLOW DRAINAGE OF RACEWAY BEFORE ENTERING THE ROOMS.
- 5. PROVIDE LAYOUT (WITH DIMENSIONS) OF ALL UNDERGROUND PULL POINTS INCLUDING HAND HOLES, MAN HOLES AND CONCRETE PULL BOXES TO THE CONSULTANT FOR APPROVAL PRIOR TO INSTALLATION.
- 6. INSTALL HAND HOLES AWAY FROM MAJOR TRAFFIC AREAS (TYPICAL).
- 7. PROVIDE HEAT TRACING PROTECTION FOR WATER PIPES, STORM PIPES AND SANITARY PIPES AS SHOWN ON ELECTRICAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR PIPING LAYOUT. HEAT TRACING SHALL BE RAYCHEM MODEL #8XL-TRACE, 208V, 1PH, SELF REGULATING TRACING CABLE OR APPROVED EQUIVALENT, C/W POWER SUPPLY MODULE, THERMOSTAT AND ALL ACCESSORIES FOR A COMPLETE AND FUNCTIONING SYSTEM. STARTUP TEMPERATURE -29°C (-20°F).
- 8. WHERE CONDUITS ARE INSTALLED ACROSS EXPANSION JOINTS, PROVIDE CONDUITS WITH EXPANSION/CONTRACTION FITTINGS.
- 9. <u>ELEVATOR FIRE ALARM AUTOMATIC RECALL:</u>

ELEVATOR LOBBY MOUNTED FIRE DETECTORS AND SECURITY PANEL TO RECALL ELEVATORS TO DESIGNATED LEVEL UPON FIRE ALARM. SHOULD DETECTOR AT DESIGNATED LEVEL ELEVATOR LOBBY INDICATE FIRE, ELEVATOR TO BE DIRECTED TO ALTERNATE LEVEL. REFER TO ELEVATOR AUTOMATIC FIRE RECAL SCHEDULE. ELEVATOR CONTRACTOR TO COORDINATE WITH TSSA AND CONFIRM DESIGNATED/ALTERNATE LEVELS.

- 10. SMOKE DETECTOR AT TOP OF ELEVATOR SHAFT TO BE AIR SAMPLING SMOKE DETECTOR TYPE. INSTALL CONTROL UNIT IN A TAMPER PROOF ENCLOSURE (NEMA 4X) OUTSIDE OF ELEVATOR CLOSET. AIR SAMPLING SMOKE DETECTOR TO BE EST READY SET BY EDWARDS OR APPROVED EQUAL.
- 11. SITE PLAN DRAWINGS INDICATE UNDERGROUND POWER CONDUITS AND CORRESPONDING PULL POINTS (CONCRETE PULL BOXES, HAND HOLES OR MAN HOLES). WHERE OEC REQUIRES ADDITIONAL PULL POINTS FOR WIRING SEPARATION, PROVIDE ADDITIONAL CONCRETE PULL BOX (OR HAND HOLE) AS REQUIRED. IF AN ADDITIONAL MAN HOLE IS REQUIRED, IT IS PREFERRED TO PROVIDE AN ADDITIONAL HAND HOLE OR CONCRETE PULL BOX IF POSSIBLE.

1 ,

CLIENT

# CITY OF TORONTO Corporate Real Estate Management Project Management Office Metro Hall Toronto, ON M5V 3C6

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С	ISSUED FOR PERMIT	2022-03-18
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CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / Arcadis 30279056

DRAWN BY: CHECKED BY:
V. MAC M. BOJIC

PROJECT MGR: F.BOLOURIAN SHEET TITLE

ELECTRICAL GENERAL NOTES

APPROVED BY: **P. WILLIAMS** 

SHEET NUMBER
G03-G4003

D

2025-05-07 11:09:33 AM

# CITY OF TORONTO ACCESSIBILITY UPGRADES

	TOUCH AND FEEL INDEX					
SHEET#	SHEET TITLE					
Т00	COVER PAGE					
T01	WASHROOM					
T02	WASHROOM ACCESSORIES					
T02.1	WASHROOM ACCESSORIES					
Т03	WASHROOM FIXTURES & DRINKING FOUNTAIN					
T04	KITCHEN MATERIALS AND FIXTURES					
T05	RESERVED					
T06	TACTILE ATTENTION INDICATORS					
T07	TEXTURAL & COLOUR CONTRAST WARNING STRIP AND NOSING					
T08	DOOR THRESHOLDS					





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# TOUCH AND FEEL INTERIOR FIXTURES AND MATERIALS

**Project Number:** 9119- 19- 0162 / Arcadis 30279056

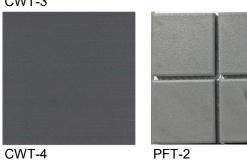
**Date:** 2025-04-11

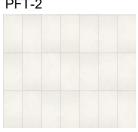
TOUCH-AND-FEEL DOCUMENT SHOULD BE READ IN CONJUNCTION WITH DRAWINGS AND SPECIFICATIONS

WASHROOM FINISHES						
WASHROOM / SHOWER WALLS	COLLECTION: COLOUR & DIMENSION					
CWT-1	COLOUR: ARCTIC WHITE MATTE					
	SIZE: 100mm X 400mm (4"X16")					
	SUPPLIER: OLYMPIA					
WASHINGON / OLIOWED WALL ACCENT	MATOU EVIOTINO					
WASHROOM / SHOWER WALL ACCENT CWT-2	MATCH EXISTING TILE SIZE IS INDICATED ON ROOM FINISH SCHEDULE					
	THE SIZE IS INSIGNATED STATES OF THE SIZE IS IN THE					
WASHROOM / SHOWER WALL ACCENT	COLLECTION: COLOUR & DIMENSION					
CWT-3	COLOUR: TAUPE, MATTE					
	SIZE: 100mm X 400mm (4"X16")					
	SUPPLIER: OLYMPIA					
WASHROOM / SHOWER WALL ACCENT	COLLECTION: COLOUR & DIMENSION					
CWT-4	COLOUR: DARK GREY MATTE					
0001-4	SIZE: 100mm X 400mm (4"X16")					
	SUPPLIER: OLYMPIA					
	SOLI ELEK. SELIMI IX					
FLOORS	COLLECTION: MICA, MATTE FINISH					
PFT-1	SIZE: 300mm X 600mm (12"X24")					
	MEETS DYNAMIC COEFFICIENT OF FRICTION					
	PREFERRED SUPPLIER: D9 / EMOTION					
SHOWER FLOORS	COLLECTION: STI MOSAICO					
PFT-2	COLOUR: MID GREY UNGLAZ					
	SIZE: 50mm X 50mm (2"X2")					
	MEETS DYNAMIC COEFFICIENT OF FRICTION					
	SUPPLIER: STONE TILE					
FLOORS	MATCH EXISTING					
PFT-3	TILE SIZE IS INDICATED ON ROOM FINISH SCHEDULE					
FLOORS	COLLECTION: CORE COLLECTION TERRA					
PFT-4	COLOUR: 200 SMOOTH (V)					
	SIZE: 304.8mm X 609.6mm (12"X24")					
	MEETS DYNAMIC COEFFICIENT OF FRICTION					
	SUPPLIER: MOSA TILE					

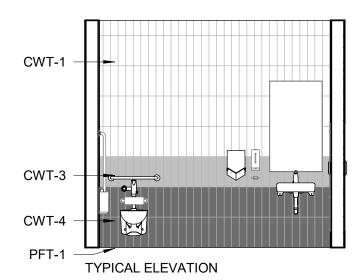
FOR WASHROOMS WHERE ALL FIXTURES AND WALLS ARE BEING REMOVED ONLY







PFT-4





PICTURE 1



PICTURE 2

**NOTE**: PICTURES ARE ONLY FOR ILLUSTRATION PURPOSES

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AND STAKEHOLDERS



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NOTE: THE FINISHES PRESENTED ON THIS PAGE ARE THE BASIS OF DESIGN - ANY ALTERNATES ARE SUBJECT TO APPROVAL BY CITY OF TORONTO, PROJECT MANAGER, FACILITY MANAGER

DRAWING TITLE:

WASHROOM

**Project No:** 9119- 19- 0162 / Arcadis 30279056

Date: 2025-04-11

Issue: ISSUED FOR TENDER

NO.



SHELF: SHLF GAMCO MS-18 STAINLESS STEEL MIRROR SHELF – 18"



**SOAP DISH: SDI-1** 

**SOAP DISH: SDI-2** 

**BRADLEY MODEL NO. SA16** 

RECESSED MOUNTED SOAP DISH, HEAVY

DUTY STAIN FINISH STAINLESS STEEL.

SURFACE MOUNTED, STAINLESS STEEL, TYPE 304 FLANGE. BRADLEY MODEL NO. 901

COAT HOOK: CTH-2
B-2116 12-GAUGE (2.7mm)
CASE HARDENED STEEL.
ONE PIECE BRASS
CASTING WITH SATIN
NICKEL-PLATED FINISH

COAT HOOK: CTH-1

EDGES.

B-983 STAINLESS STEEL, 14-

GAUGE AUTO-RELEASE

EXPOSED STAIN FINISH,

**FACEPLATE WITH SLOPED** 

**CLOTHES HOOK WITH** 



HAND DRYER: HNDR
DYSON SPRAYED NICKEL 307174-01,
NET WEIGHT: 2.9 KG / 6.17 LBS.
H:39.3CM X W:19CM X D:10CM



TOILET TISSUE DISPENSER: TPD SURFACE-MOUNTED TWIN JUMBO-ROLL B-2892: 18-8, TYPE-304, 20-GAUGE (1.0MM) STAINLESS STEEL WITH SATIN-FINISH. EQUIPPED WITH A TUMBLER LOCK KEYED LIKE OTHER BOBRICK WASHROOM ACCESSORIES.



MIRROR: MIR
6 MM" FLOAT GLASS, SELECTED FOR
SILVERING, ELECTROLYTICALLY
COPPER-PLATED BY GALVANIC
PROCESS FURNISH UNITS IN TYPE 430
STAINLESS STEEL FRAMING



SOAP DISPENSER: SD-1
WALL MOUNTED, AUTOMATIC STAINLESS
STEEL WITH STAIN FINISH, CLEAR ACRYLIC
REFILL INDICATOR WINDOW AND KEY LOCK.
BRADLEY 6A00-11.



SOAP DISPENSER: SD-2
COUNTER MOUNTED, TOUCH FREE, ONE
PIECE, CAST BRASS CONSTRUCTION ABOVE
DECK, SINGLE MOUNT FOAM SOAP
DISPENSER WITH ADJUSTABLE SENSOR.
MOEN, MODEL NO. 8560



L-SHAPED GRAB: GRB-1
SATIN FINISH WITH PEENED GRIPPING
SURFACE; 18-GAUGE (1.2MM) STAINLESS
STEEL TUBING WITH SATIN-FINISH. 38MM
OUTSIDE DIAMETER. ENDS ARE HELIARC
WELDED TO FLANGES. CLEARANCE
BETWEEN THE GRAB BAR AND WALL IS
38MM. 30" X 30"
762MM X 762MM)



L-SHAPED GRAB: GRB-2
SATIN FINISH WITH PEENED GRIPPING
SURFACE; 18-GAUGE (1.2MM) STAINLESS
STEEL TUBING WITH SATIN-FINISH. 38MM
OUTSIDE DIAMETER. ENDS ARE HELIARC
WELDED TO FLANGES. CLEARANCE
BETWEEN THE GRAB BAR AND WALL IS
38MM. 40" X 30"
(1016MM X 762MM)





**GRAB BAR: GRB-3** 

SATIN FINISH WITH PEENED GRIPPING SURFACE; 18-GAUGE (1.2MM) STAINLESS STEEL TUBING WITH SATIN-FINISH. 38MM OUTSIDE DIAMETER. ENDS ARE HELIARC WELDED TO FLANGES. CLEARANCE BETWEEN THE GRAB BAR AND WALL IS 38MM. 30" (762MM) **GRAB BAR: GRB-4** 

SATIN FINISH WITH PEENED GRIPPING SURFACE; 18-GAUGE (1.2MM) STAINLESS STEEL TUBING WITH SATIN-FINISH. 38MM OUTSIDE DIAMETER. ENDS ARE HELIARC WELDED TO FLANGES. CLEARANCE BETWEEN THE GRAB BAR AND WALL IS 38MM. 36" (914MM) GRAB BAR: GRB-5

SATIN FINISH WITH PEENED GRIPPING SURFACE; 18-GAUGE (1.2MM) STAINLESS STEEL TUBING WITH SATIN-FINISH. 38MM OUTSIDE DIAMETER. ENDS ARE HELIARC WELDED TO FLANGES. CLEARANCE BETWEEN THE GRAB BAR AND WALL IS 38MM. 40" (1016MM)



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CITY OF TORONTO ACCESSIBILITY UPGRADES DRAWING TITLE:

WASHROOM ACCESSORIES

**Project No:** 9119- 19- 0162 / Arcadis 30279056

**Date**: 2025-04-11

Issue: ISSUED FOR TENDER

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**PAPER TOWEL DISPENSER &** WASTE RECEPTACLE: PTD/WR (SR) WASTE RECEPTACLE: PTD/WR (R) **SEMI-RECESSED** B-38032: 18-8, TYPE 304, HEAVY-GAUGE STAINLESS STEEL. ALL-WELDED CONSTRUCTION.



PAPER TOWEL DISPENSER AND RECESSED CONVERTIBLE B-3940: 18-8, TYPE 304, HEAVY-GAUGE STAINLESS STEEL. EXPOSED SURFACES HAVE STAIN-FINISH.



PAPER TOWEL DISPENSER AND WASTE RECEPTACLE: PTD/WR (S) SURFACE-MOUNTED B-3699: 18-8, TYPE 304, 22-GAUGE (0.8mm) STAINLESS STEEL. ALL-WELDED CONSTRUCTION. EXPOSED SURFACES HAVE STAIN-FINISH.





PAPER TOWEL DISPENSER: PTD (S) PAPER TOWEL DISPENSER: PTD (R) SURFACE MOUNTED B-2974: TYPE RECESSED B-35903: TYPE 304, 304, 18 GUAGE STAINLESS STEEL. ALL-WELDED CONSTRUCTION.

HEAVY-GAUGE STAINLESS STEEL. ALL-WELDED CONSTRUCTION. EXPOSED SURFACES HAVE STAIN-FINISH.



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WASHROOM ACCESSORIES

**Project No:** 9119- 19- 0162 / Arcadis 30279056

**Date**: 2025-04-11

**Issue: ISSUED FOR TENDER** 

T02.1



WALL MOUNTED SINK:
(BARRIER FREE USE) L1H
DECORUM WALL HUNG
LAVATORY WITH EVERCLEAN
9024.001EC.020 - VITREOUS
CHINA, WHITE FINISH, WITH
SINGLE FAUCET HOLE AND
OVERFLOW



COUNTER-MOUNTED SINK: L1
WHITE, SELF-RIMMING,
REAR/FRONT OVERFLOW,
DRILLED FOR 100 MM SUPPLY
FITTING.
AMERICAN STANDARD
"AQUALYN" #0475.047.020 518 X
441 MM



COUNTER-MOUNTED SINK: (BARRIER FREE USE) L2H WHITE, FOR BARRIER FREE USE, SELF-RIMMING WITH SEALANT, OVERFLOW, DRILLED FOR 100 MM SUPPLY FITTING. AMERICAN STANDARD "AQUALYN" #0475.047.020 518 X 441 MM



WALL MOUNTED SINK C/O WITH SHROUD: (BARRIER FREE USE)
L3H
DECORUM WALL HUNG
LAVATORY WITH EVERCLEAN
NO.
9134.001EC/0059.020EC
SHROUD - VITREOUS CHINA,
WHITE FINISH, WITH SINGLE

FAUCET HOLE AND OVERFLOW



UNDER-MOUNTED SINK: (BARRIER FREE USE) L4H WHITE, FOR BARRIER FREE USE WITH REAR OVERFLOW AND UNDERMOUNT CLIPS AMERICAN STANDARD OVALYN UNICERSAL ACCESS 9482.000 489 X 400MM

### **DRINKING FOUNTAIN**



DRINKING FOUNTAIN: DF
EZSDWSLK GALVANIZED STEEL WALL MOUNTED,
WHEELCHAIR TYPE WATER COOLER WITH STAINLESS
STEEL TOP, FRONT AND SIDE MOUNTED PUSH TO
OPERATE LEVER(S), SENSOR, TOUCHLESS
ACTIVATION WITH AUTO SHUT OFF BOTTLE FILLER,
FLEXI-GUARD SAFETY BUBBLER, AND TRAP PACKAGE.

### **FAUCET: TO BE USED WITH ALL LAVATORY TYPES**

MOEN ALIGN SENSOR FAUCET - 8559 ELECTRONIC 'NO-TOUCH' HARDWIRED POWERED FAUCET



**TOILET: W1H**WALL HUNG - WHITE FINISH - VITREOUS
CHINA WITH EVERCLEAN ANTIMICROBIAL
SURFACE. NO. 3351.101.002



**TOILET: W2H**<u>FLOOR MOUNTED</u> WHITE FINISH - VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE. NO. 3461.001.020



**TOILET WITH TANK: W3H**<u>FLOOR MOUNTED</u> WHITE FINISH - VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE. PA TANK, 1.1 GPF WHITE



URINAL: U1H
WALL HUNG 6590.001.020 - WASHBROOK FLOWISE EXTENDED SIDES FOR PRIVACY - WASHDOWN
ACTION - FLUSHING RIM - 19 MM DIA.



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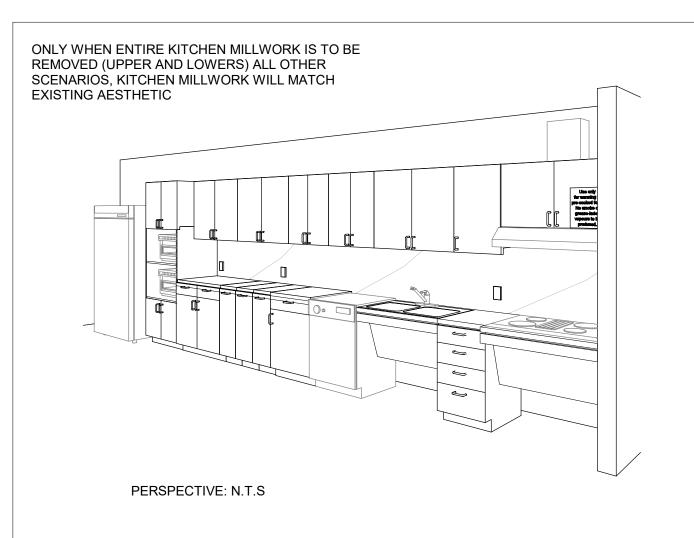
WASHROOM FIXTURES & DRINKING FOUNTAIN

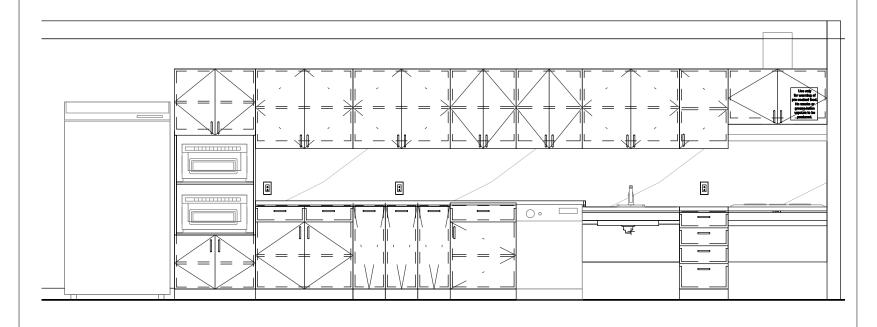
**Project No:** 9119- 19- 0162 / Arcadis 30279056

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**ELEVATION: N.T.S** 

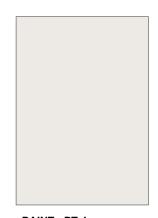
PERSPECTIVE & ELEVATION VIEWS ARE REPRESENTATIVE ONLY - REFER TO BUILDING-SPECIFIC DRAWINGS



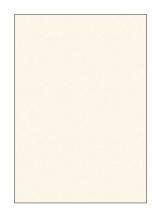
COUNTERTOP AND
BACKSPLASH: Q-1
CAESARSTONE - QUARTZ
SUPERNATURAL COLLECTION
SEA D90
1111 VIVID WHITE



CABINETS: PLAM-1 PLASTIC LAMINATE WILSONART NORTH SEA D90



PAINT: PT-1 SHERWIN WILLIAMS SW 7004 SNOWBOUND PAINT SHIELD EGGSHEL SHEEN



UPPER CABINETS: PLAM-2 PLASTIC LAMINATE WILSONART ALABASTER D431



FAUCET:
AMERICAN STANDARD NO.
7074100.00
SINK:
UCS6105P-1 SINGLE BOWL



FAUCET:
AMERICAN STANDARD NO.
7074100.00
SINK:
FRANKE COMMERCIAL
UCD6405P



FAUCET:
MOEN ALIGN WITH
MOTIONSENSE NO. 7565EC
SINK:
UCS6105P-1 SINGLE BOWL



FAUCET:
MOEN ALIGN WITH
MOTIONSENSE NO. 7565EC
SINK:
FRANKE COMMERCIAL
UCD6405P



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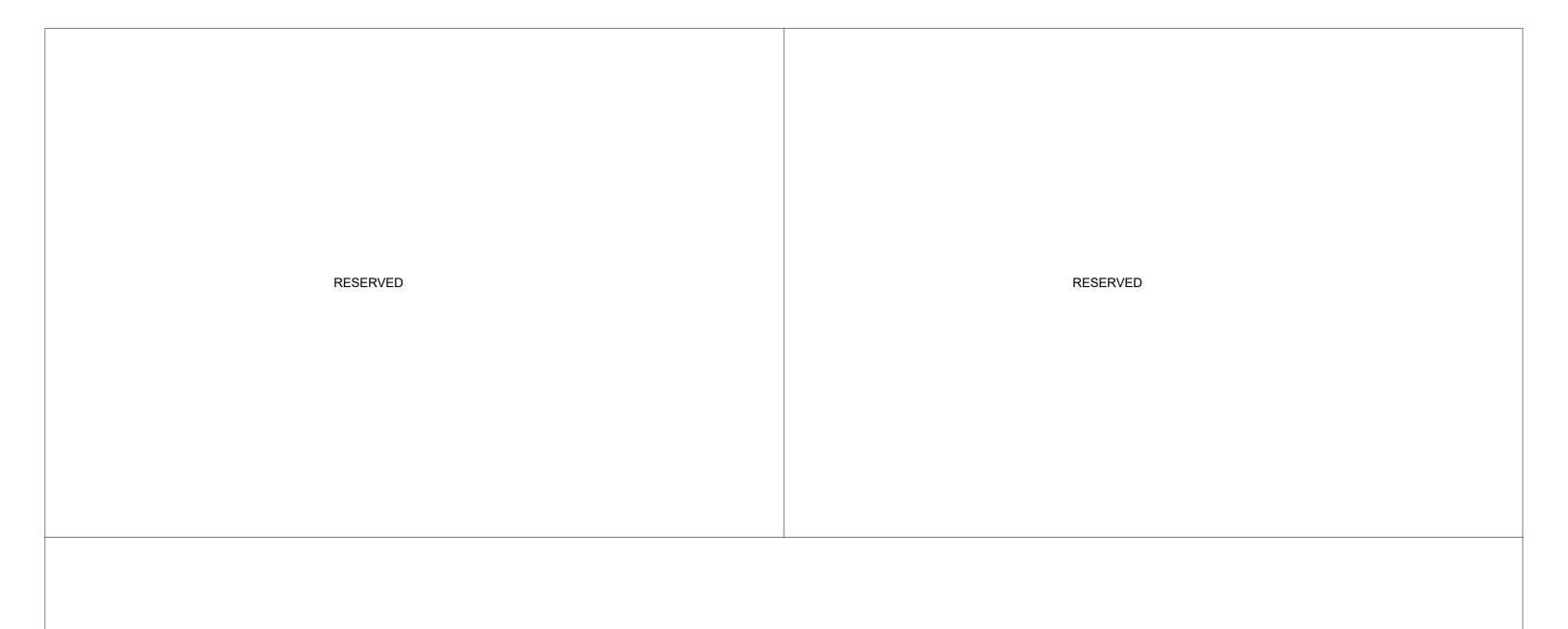
KITCHEN MATERIALS AND FIXTURES

**Project No:** 9119- 19- 0162 / Arcadis 30279056

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**Project No:** 9119- 19- 0162 / Arcadis 30279056

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TA - 1a (SURFACE MOUNTED) INTERIOR AND EXTERIOR TA - 1b (CAST IN PLACE) EXTERIOR

TA - 1c (SURFACE MOUNTED FIRE RATED) INTERIOR



TA - 2a (SURFACE MOUNTED) INTERIOR AND EXTERIOR TA - 2b (CAST IN PLACE) EXTERIOR





WAYFINDING BARS





TRUNCATED DOMES

WAYFINDING BARS

TA - 4

### POLYMER, COMPOSITE TACTILE INDICATORS

- SURFACE APPLIED SUITABLE FOR INTERIOR APPLICATIONS
- FIRE RATED TILES FOR INTERIOR APPLICATIONS HIGHER THAN 6 FLOORS
- CAST IN PLACE SUITABLE FOR EXISTING

ENGINEERED POLYMER COMPOSITE TACTILE INDICATORS

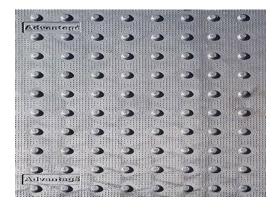
- EXTERIOR APPLICATIONS
- FOR NEWLY CONSTRUCTED CURBS RAMPS, STAIRS, RAMPS, OR PLATFORM EDGES

#### RESILIENT POLYMER TACTILE INDICATORS

- INTERIOR OR EXTERIOR APPLICATIONS
- TRUNCATED DOME OR WAYFINDING BAR VARIANTS.
- FOR SKATE RINK EDGES OR USE WITH VCT FLOORING

#### PORCELAIN TACTILE INDICATORS

- INTERIOR OR EXTERIOR APPLICATIONS
- TRUNCATED DOME OR WAYFINDING BAR VARIANTS.
- FOR USE WITH PORCELAIN TILE FLOORING



TA - 5



**TA - 6** 

**INDICATORS** 



TA - 7

TA - 3



TA - 8

#### CAST IRON CAST IN PLACE TACTILE INDICATORS

- EXTERIOR APPLICATION
- HIGHLY DURABLE
- FOR NEW CONSTRUCTION HIGH TRAFFIC AREAS

### INDIVIDUAL STAINLESS STEEL PLATE TACTILE

- INTERIOR OR EXTERIOR APPLICATIONS
- FOR HIGH PROFILE ARCHITECTURAL SPACES
   WHERE AESTHETICS ARE IMPORTANT

#### TRUNCATED DOMES:

- INDIVIDUAL STAINLESS STEEL TACTILE INDICATORS
- INTERIOR OR EXTERIOR APPLICATIONS
- CAN BE INSTALLED ON ALL SURFACES
- FOR HIGH PROFILE ARCHITECTURAL SPACES WHERE AESTHETICS ARE IMPORTANT
- TO BE USED ON NON-HERITAGE DESIGNATED STAIRS

#### **GUIDANCE BARS:**

- INDIVIDUAL STAINLESS STEEL, BRASS, BRONZE OR ALUMINUM CARBORUNDUM NON-SLIP OR LINEAR GROOVE PATTERN.
- INTERIOR APPLICATIONS
- CAN BE INSTALLED ON ALL SURFACES
- FOR HIGH PROFILE ARCHITECTURAL SPACES WHERE AESTHETICS ARE IMPORTANT
- TO BE USED ON NON-HERITAGE DESIGNATED STAIRS



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TACTILE ATTENTION INDICATORS

**Project No:** 9119- 19- 0162 / Arcadis 30279056

Date: 2025-04-11

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TA - 11 INTERIOR AND EXTERIOR TEXTURAL WARNING STRIP

- AFFIXED WITH ADHESIVE AND SCREWS
- SIZES: 50.8MM X 203MM
- REFER TO DRAWINGS FOR REQUIRED LENGTH AND WIDTH



WHEN CONCRETE IS POURED

SIZES: 50.8MM X 76.2MM WIDE

AND WIDTH

INSTALLED IN WET-SET CONCRETE.

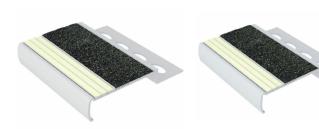
TA - 12 EXTERIOR CAST IN PLACE CONTRAST AND TEXTURAL WARNING STRIP





TA - 16 INTERIOR AND EXTERIOR USE (ON EXISTING) ON SMOOTH SURFACES STAIR NOSING FOR:
TILE, CONC, WOOD, CARPET, VINYL.

- ANODIZED ALUMINUM NOSE, INSTALLED WITH EITHER NON-SLIP STRIP OR WITH PHOTOLUMINESCENT CONTRAST STRIP.
- AVAILABLE IN 5 DIFFERENT PROFILES TO MATCH
  THE DESIGN OF THE STEP EDGE
- AFFLICTED WITH ADHESIVE OR ADHESIVE AND SCREWS
- SIZES: 70.1MM 78.7MM WIDE
- REFER TO DRAWINGS FOR REQUIRED LENGTH AND WIDTH



TA - 17 INTERIOR USE ON NEW TILED SURFACES. STAIR NOSING.

- ALUMINUM NOSE SPECIFICALLY DESIGNED FOR INSTALLATION ON TILED STAIRS.
- 3.2MM TILED STAIRS OR 2.54MM TILED STAIRS.
- REFER TO DRAWINGS FOR REQUIRED LENGTH AND WIDTH



TA - 18 INTERIOR USE ON NEW CARPETED FLOORING. STAIR NOSING.

- ANODIZED ALUMINUM NOSE, SPECIFICALLY
   DESIGNED FOR CARPETED STAIRS, INSTALLED
   WITH EITHER NON-SLIP STRIP OR WITH
   PHOTOLUMINESCENCE CONTRAST STRIP
- INSTALLED WITH SCREWS
- SIZES: 66MM 89MM
- REFER TO DRAWINGS FOR REQUIRED LENGTH AND WIDTH



DESIGNED FOR INSTALLATION ON STEP EDGES

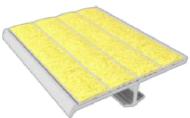
REFER TO DRAWINGS FOR REQUIRED LENGTH

TA - 19 EXTERIOR USE ON POURED CONCRETE. STAIR NOSING.

- HEAT TREATED EXTRUDED ALUMINUM ALLOY 6063-T-6, FILLED WITH A MIXTURE OF VIRGIN ALUMINUM OXIDE AND SILICON CARBIDE ABRASIVE GRANULES IN AN EPOXY BINDER.
- FULL LENGTH, INTEGRALLY EXTRUDED 5/8" ANCHOR.
- SIZES: 79.4MM X 25.4MM
- REFER TO DRAWINGS FOR REQUIRED LENGTH AND WIDTH
- TO BE USED ON NON-HERITAGE DESIGNATED STAIRS







# TA - 20 INDOOR AND OUTDOOR USE ON NEW POURED CONCRETE STAIR NOSING.

- INSTALL INTO WET CONCRETE. USED ON CONCRETE STAIRS, CONCRETE-FILLED STEEL PAN STAIRS, AND PRE-CAST CONCRETE STAIRS.
- AVAILABLE IN CUT TO LENGTH SIZES. (TOLERANCE +OR- 1/8") STANDARD LENGTHS ARE 8FT AND 10FT.
- INSERTS ATTACHED OR UNATTACHED INSERTS UNATTACHED CAN BE INSTALLED LATER TO ENSURE THE PRODUCT IS CLEAN AND HAS NOT BEEN DAMAGED DURING CONSTRUCTION. INSERTS ARE INSTALLED WITH A PREMIUM POLYURETHANE ADHESIVE.
- A CLEAR PROTECTIVE TAPE WRAPS AROUND THE PRODUCT TO KEEP THE PRODUCT CLEAN DURING INSTALLATION. TO REMOVE, CUT THE TAPE ALONG THE EDGES AND PEEL AWAY.



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ACCESSIBILITY UPGRADES

DRAWING TITLE:

TEXTURAL & COLOUR CONTRAST WARNING STRIP AND NOSING

**Project No:** 9119- 19- 0162 / Arcadis 30279056

**Date:** 2025-04-11

Issue: ISSUED FOR TENDER

NO.



SMOOTH 6" WIDE THRESHOLD WITH ANTI-SLIP COATING



TH-2a

EXTERIOR APPLICATIONS - THERMALLY BROKEN METAL THRESHOLD ANY EXISTING FLOORING MATERIAL TO ANY EXISTING FLOORING MATERIAL



TH-3a

METAL THRESHOLD ANY EXISTING FLOORING MATERIAL TO ANY EXISTING FLOORING MATERIAL

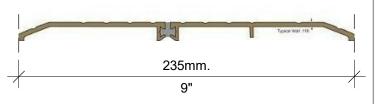


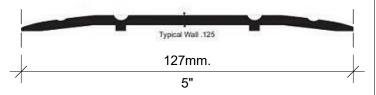
TH-4a

ANODIZED ALUMINUM TRANSITION STRIP BETWWEEN NEW AND EXISTING FLOOR



Typical Wall .125





TH-5a

SATIN ANODIZED ALUMINUM TRANSITION STRIP FOR NEW FLOORING ON BOTH SIDE VARIES HEIGHTS (TILE TO ANY FLOOR SURFACE)



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CITY OF TORONTO ACCESSIBILITY UPGRADES CITY OF TORONTO ACCESSIBILITY UPGRADES DRAWING TITLE:

**DOOR THRESHOLDS & TRANSITIONS** 

**Project No:** 9119- 19- 0162 / Arcadis 30279056

**Date:** 2025-04-11

Issue: ISSUED FOR TENDER

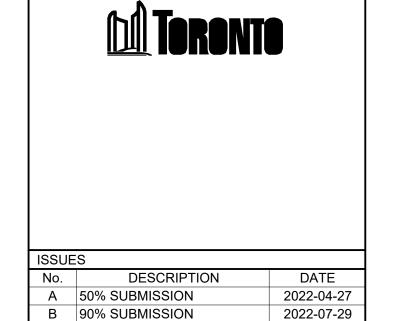
NO.

# CITY OF TORONTO ACCESSIBILITY UPGRADES

Arcadis 30279056

POLICE - BAIL & PAROLE ENFORCEMENT OFFICE 2440 LAWRENCE AVE E

GROUP 03 SEQ 141



CITY OF TORONTO



NOT FOR CONSTRUCTION

ISSUED FOR TENDER

ARCADIS

PROJECT NO: Arcadis 30279056 2025-05-06

SHEET NUMBER G03-141-G0001

GENERAL DRAWING INDEX					
SHEET NUMBER	SHEET NAME				
G0001	COVER SHEET				
G0002	DRAWING LIST				
G0003	ONTARIO BUILDING CODE DATA MATRIX				
G-D1901	SIGNAGE & WAYFINDING DETAILS_GENERAL SPECIFICATIONS				
G-D1902	SIGNAGE & WAYFINDING DETAILS_B1.1- DIRECTIONAL SIGNAGE				
G-D1903	SIGNAGE & WAYFINDING DETAILS_E2- ROOM ID				
G-D1904	SIGNAGE & WAYFINDING DETAILS_E4- INSERT HOLDER				
G-D1905	SIGNAGE & WAYFINDING DETAILS_H1.1- AMENITY ID				
G-D1906	SIGNAGE & WAYFINDING DETAILS_H2.1-PROJECTING AMENITY ID				
G-D1907	SIGNAGE & WAYFINDING DETAILS_J4- ACCESSIBLE ENTRANCE				
G-D1908	SIGNAGE & WAYFINDING DETAILS_S1- STAIR ID				

SHEET NUMBER	SHEET NAME
A1001	DEMOLITION PLAN SITE PLAN
A1201	SITE PLAN
A1202	SITE PLAN DETAILS
A1203	PROPOSED LOCATION FOR TEMPORARY EXTERIOR TRAILERS
A1204	TEMPORARY EXTERIOR TRAILERS PLAN & ELEVATIONS
A2001	SITE PLAN STAGING
A2011	FIRST FLOOR STAGING & EXITING PLAN
A2021	MEZZ. FLOOR STAGING & EXITING PLAN
A2111	FIRST FLOOR DEMOLITION PLAN
A2411	FIRST FLOOR PROPOSED PLAN
A2611	FIRST FLOOR PROPOSED FLOOR FINISH PLAN
A2811	FIRST FLOOR REFLECTED CEILING PLAN
A2812	ENLARGED RCP
A5011	WASHROOM PLANS/ELEVATIONS
A5012	WASHROOM PLANS/ELEVATIONS
A5111	STAIR PLANS AND SECTIONS
A5112	STAIR PLANS AND SECTIONS
A7111	MILLWORK KITCHEN 123
A7211	MILLWORK - RECEPTION COUNTER 102
A8010	SIGNAGE & WAYFINDING DETAILS LEVEL 1 LOCATION PLAN
A8100	SIGNAGE & WAYFINDING DETAILS MESSAGE SCHEDULE
A9001	DOOR AND ROOM FINISH SCHEDULES

,	STRUCTURAL DRAWING INDEX	
SHEET NUMBER	SHEET NAME	
S0001	DRAWING LIST	
S1201	SITE PLAN	
S2501	FIRST FLOOR PLAN	
S5600	PLANS, SECTION - RAMPS	
S5900	NEW WASHROOM PLAN	

MECHANICAL DRAWING INDEX					
SHEET NUMBER	SHEET NAME				
M0001	MECHANICAL DRAWING LIST				
M0201	MECHANICAL SCHEDULE				
M1101	DEMOLITION PLAN - GROUND FLOOR				
M2101	PLUMBING - GROUND FLOOR				
M3101	DRAINAGE - GROUND FLOOR				
M5101	HVAC - GROUND FLOOR				

ELECTRICAL DRAWING INDEX					
SHEET NUMBER	SHEET NAME				
E0000	DRAWING LIST				
E1101	ELECTRICAL DEMOLITION PLAN 1ST FLOOR				
E2101	POWER & SYSTEMS PLAN 1ST FLOOR				

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19905	.5	
No.	DESCRIPTION	DATE
Α	50% SUBMISSION	2022-04-27
В	90% SUBMISSION	2022-07-29
С	ISSUED FOR PERMIT	2022-08-24
D	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE ENFORCEMENT OFFICE 2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056

DRAWN BY: J.SUN CHECKED BY: L. BANDIERA APPROVED BY:
M. KOTBY PROJECT MGR: N. FRISCIC

SHEET TITLE

DRAWING LIST

G03-141-G0002 Issue



Firm Name: IBI GROUP ARCHITECTS (CANADA) INC. CERTIFICATE OF PRACTICE NUMBER 5605			Name of Project POLICE – BAIL & PAROLE ENFORCEMENT OFFICE,			ITEM Ontario's 2012 Building Code Data Matrix Part 3 or 9					OBC REFERNCE  References are to Division B unless noted (A) for Division A or (C) for Division C				
100-175 Galaxy Bouleva Toronto, ON M9W OC9 T 416 679 1930 F 416 6			ACCESSIBILITY UPGRADES  Location 2440 LAWRENCE AVE E, SCARBOROUGH, ON M1P 2R5				RESISTANCE RATING		FRR OF SUPPORTING MEMBERS		LISTED DESIGN NO. OR DESCRIPTION (SB-2)				
ITEM	Ontario's 2012 Build Data Matrix Part 3 o		OB( References	C REFERNCE  are to Division B unless noted ion A or (C) for Division C	REMARKS	(FRR)		FLOORS <u>N/A</u>					SB-2 TABLE 2.1.1.		
1. PROJECT DESCRIPT	2.7	Т 11	⊠ PART 3	□ PART 9				ROOF I	<u>\/A</u>				SB-2 TABLE 2.1.1.		
□ сн	☐ Addition  NGE OF USE ☑ Alteration  11.1 to 1	1.4	1.1.2. [A]	1.1.2. [A] & 9.10.1.3.				WILLEAMINE							
2. MAJOR OCCUPANC		ETENTION OCCUPANCIES	3.1.2.1. (1)	9.10.2.		19. SPAT	IAL SEPARATION	- CONSTRUCT	ION OF EXTERIOR				3.2.3.	9.10.14.	
SUBSIDIARY OCCUP	ANCY(S)				EXISTING NO CHANGE	WALL	EBF (m²) (N	D L/H OR II) H/L	PERMITTED MAX. % OF OPENINGS		FRR (HOURS)	LISTED DESIGN COM OR DESCRIPTION COM	IST. NONC. CLAT	ST. NON-COMB.  DDING CONST.	
3. BUILDING AREA (m²	EXISTING - 741.1 NEW	- 0.0 TOTAL - 741.1	1.4.1.2. [A]	1.4.1.2. [A]		SOUT EAST					00	-	-		
4. GROSS AREA (m²)	EXISTING - 772.1 NEW		1.4.1.2. [A]	1.4.1.2. [A]	EXISTING NO CHANGE	WEST		FOLUDEMENT		-	0	<del>                                     </del>	-		
5. NUMBER OF STORE		BELOW GRADE -0_	1.4.1.2. [A] & 3.2.1.1.	1.4.1.2. [A] & 9.10.4.		20. PLUW	BING FIXTURE RE	EQUIREMENTS	)				-		
6. NUMBER OF STREE	S/FIRE FIGHTER ACCESS - 1	EXISTING NO CHANGE	3.2.2.10. & 3.2.5.	9.10.20.			/ FEMALE COUNT	•	%	EXISTING NO	) CHANGE				
7. BUILDING CLASSIFI	CATION - EXISTING NO CHANG		3.2.2.37.	9.10.2.		- EXCE	PT AS NOTED OTI	HERWISE		OCCUPANT	LOAD	OBC TABLE NUMBER	FIXTURES REQUIRED	FIXTURES PROVIDED	
8. SPRINKLER SYSTEM	PROPOSED   ENTIRE BUILD	DING	3.2.2.37	9.10.8.2	EXISTING NO CHANGE	MAJO	R OCCUPANCY			X MALE		3.7.4.9.	X	X 3.7.4.9.	
	☐ SELECTED C	OMPARTMENTS	3.2.1.5					X FEMALE		3.7.4.9.	Х	X 3.7.4.9.			
	□ SELECTED FL	OOR AREAS  IN LIEU OF ROOF RATING	3.2.2.17	INIDEV		21. EXITS	ACCESS TO EXI	Т-							
	<ul><li>□ BASEMENT</li><li>□ NOT REQUIRI</li></ul>		INDEX	INDEX											
9. STANDPIPE REQUIR			3.2.9.	N/A	EXISTING NO CHANGE										
STANDPIPE PROVID						22. OTHE	R (DESCRIBE) -								
10. FIRE ALARM REQUII	25 _ ,		3.2.4.	9.10.18.	EXISTING NO CHANGE	ITEM		Ontario Build	ing Code Data Matrix	x - Part 11 - Renov	ation of Exis	sting Building		OBC REREFENCE	
11. WATER SERVICE/SUIS ADEQUATE	PPLY   YES   1	NO	3.2.5.7.	N/A	EXISTING NO CHANGE		ISTING BUILDING	i	DESCRIBE EXISTIN	NG				11.2.1.	
12. HIGH BUILDING	□ YES ⊠ I	NO	3.2.6.	N/A		CL	ASSIFICATION:		USE: CONSTRUCTION IN	NDEX:				TABLE 11.2.1.1.A.	
13. CONSTRUCTION RE	STRICTIONS   COMBUSTIBLE PERMITTED	☐ NON-COMBUSTIBLE ☐ BOTH REQUIRED	3.2.2.37.	9.10.6.	EXISTING NO CHANGE				HAZARD INDEX:		OF MAJOR	OCCUPANOV)		TABLE 11.2.1.1.B. TO N	
ACTUAL CONSTRUC		□ NON-COMBUSTIBLE □ BOTH				11.2 ДІ	TERATION TO EX	ISTING	`		BLE (NO CHANGE OF MAJOR OCCUPANCY)				
AA MEZZANINE (C) ADE	A2		0.0.4.4.40\ (0\)	0.40.4.4			ILDING IS:		EXTENSIVE RENOV					11.3.3.1. 11.3.3.2.	
14. MEZZANINE (S) ARE	ASED ON   m²/PERSON	23.8	3.2.1.1. (3) - (8)	9.10.4.1.			DUCTION IN								
10. OGGGI ART LOAD B	ROLD ON _ III /II EROOM	☐ DESIGN OF BUILDING	3.1.17.	4.9.13.	EXISTING NO CHANGE	PE	RFORMANCE LEV	/EL:	STRUCTURAL: BY INCREASE IN O	OCCUPANT LOAD:			☐ YES ☐ YES	11.4.2. 11.4.2.1.	
1ST FLOOR:	OCCUPANCY	LOAD PERSONS							BY CHANGE OF MA		<b>Y</b> :		□ YES	11.4.2.2.	
2ND FLOOR:	OCCUPANCY	LOAD PERSONS							PLUMBING:				☐ YES	11.4.2.3.	
MEZZANINE FLOOI		LOAD PERSONS				11.4 CC	MPENSATING		SEWAGE SYSTEM:	:		⊠ NO	☐ YES	11.4.3	
							INSTRUCTION:		STRUCTURAL:			⊠ NO	☐ YES (EXPLAIN	1) 11.4.3.2	
16. BARRIER FREE DES	GN ⊠ YES □ I	NO (EXPLAIN)	3.8.	9.5.2.	ONLY PROPOSED AREA OF WORK - COMPLIANT WITH CITY OF TORONTO ACCESSIBILITY DESIGN				BY INCREASE IN O	OCCUPANT LOAD:		⊠ NO	☐ YES (EXPLAIN	1) 11.4.3.3	
					GUIDELINE DRAFT 2016 WHEN POSSIBLE				BY CHANGE OF MA	AJOR OCCUPANC	<b>Y</b> :	⊠ NO	☐ YES (EXPLAIN	1) 11.4.3.4	
17. HAZARDOUS SUBST			3.3.1.2 & 3.3.1.19	9.10.1.3.(4)					PLUMBING:			⊠ NO	☐ YES (EXPLAIN	1) 11.4.3.5	
18a. REQUIRED FIRE RESISTANCE RATIN	HORIZONTAL ASSEMBLIES FRR (HOURS)	LISTED DESIGN NO. OR DESCRIPTION (SB-2)	3.2.2.37. & 3.2.1.4.	9.10.8. 9.10.9.					SEWAGE SYSTEM:			⊠ NO	☐ YES (EXPLAIN	1) 11.4.3.6	
INESIS I ANCE KATIN	FLOORS <u>N/A</u>					11.5	)MPLIANCE		⊠ NO	•			(	11.5.1	

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ISSUE	:S	
No.	DESCRIPTION	DATE
Α	50% SUBMISSION	2022-04-27
В	90% SUBMISSION	2022-07-29
С	ISSUED FOR PERMIT	2022-08-24
D	ISSUED FOR TENDER	2025-04-11

CONSULTANTS

**REMARKS** 

EXISTING NO CHANGE

**OBC REFERENCE** 

PART 3 🗆 PART 9

EXISTING NO CHANGE

REMARKS

SEAL

PRIME CONSULTANT ARCADIS

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PROJECT TITLE
CITY OF TORONTO ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE ENFORCEMENT OFFICE 2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056 DRAWN BY: J.SUN

CHECKED BY: L. BANDIERA APPROVED BY:
M. KOTBY PROJECT MGR: N. FRISCIC

SHEET TITLE ONTARIO BUILDING CODE DATA MATRIX

SHEET NUMBER G03-141-G0003 D

ISSUE

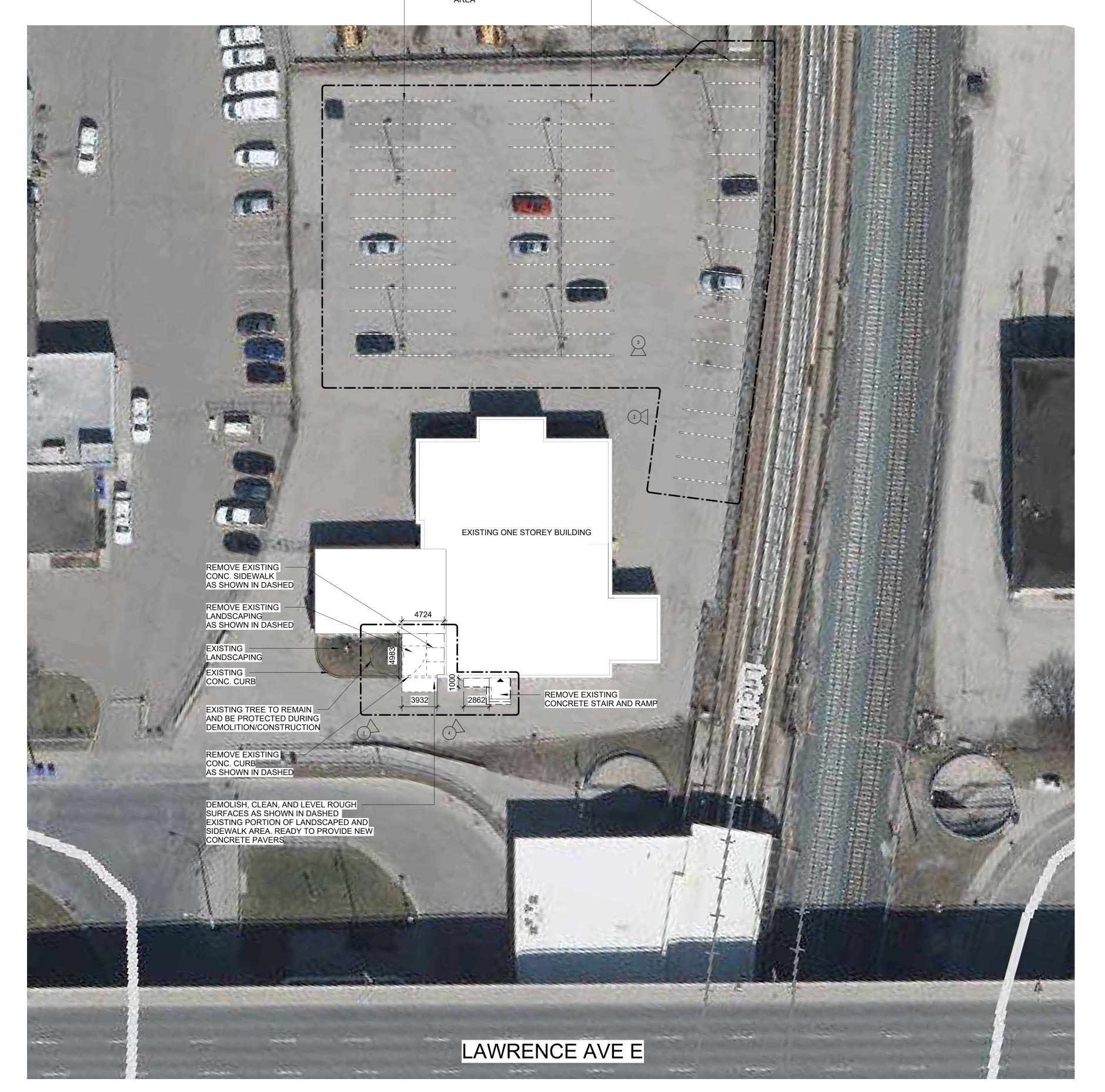




PHOTO 01 - PARKING LOT AT FRONT ENTRANCE



PHOTO 02 - PARKING LOT



PHOTO 03 - PARKING LOT



PHOTO 04 - EXTERIOR STAIR AND RAMP

### SITE PLAN GENERAL NOTES

SITE PLAN DIMENSIONS ARE APPROXIMATE BASED ON GOOGLE MAPS. CONTRACTOR TO VERIFY ALL DIMENSIONS AND EXISTING SITE SERVICES AND TO REPORT ANY DISCREPANCY TO THE CONSULTANT AND THE OWNER BEFORE COMMENCEMENT OF THE WORK.

DURING CONSTRUCTION, CONTRACTOR TO COORDINATE ENTRANCES WITH OWNER FOR HOARDING AND EXTERIOR FENCING. RESTORE EXTERIOR WALKWAY, DRIVEWAY, PAVING AND ALL SOFT LANDSCAPING MATERIAL AROUND ALL EXTERIOR EXCAVATED AREAS AFTER CONSTRUCTION AS NEEDED WITH THE SAME MATERIAL AND FINISH.

VERIFY ALL UNDERGROUND BURIED UTILITIES PRIOR TO DIGGING AND REPORT ANY CONFLICTS TO THE CONSULTANT.

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		•					

CONSULTANTS

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PROJECT TITLE
CITY OF TORONTO ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE **ENFORCEMENT OFFICE** 2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056

DRAWN BY: CHECKED BY: J.SUN L. BANDIERA APPROVED BY: M. KOTBY PROJECT MGR:

SHEET TITLE

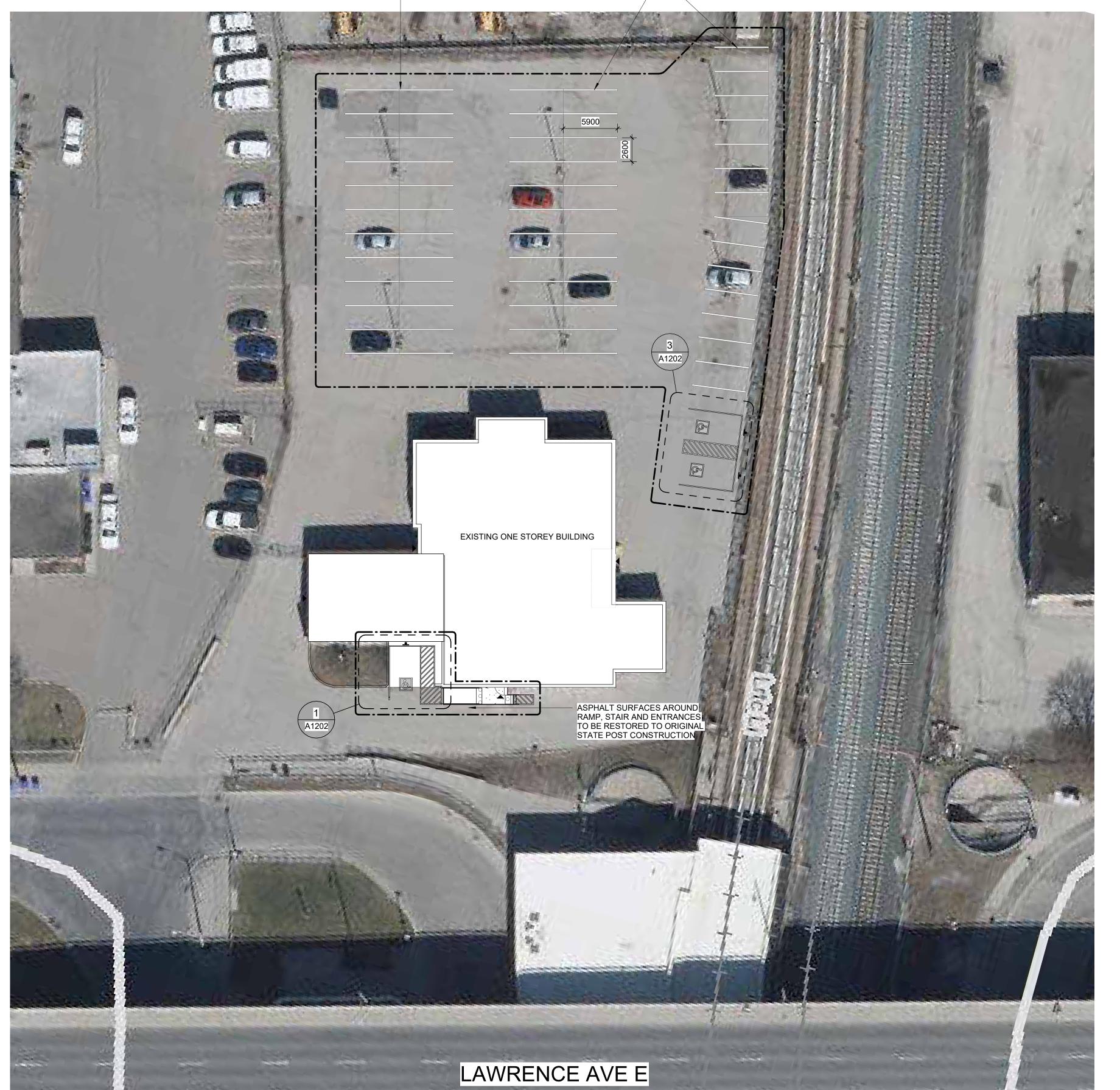
N. FRISCIC

DEMOLITION PLAN SITE PLAN

ISSUE G03-141-A1001

DEMOLITION PLAN SITE PLAN A1001 / Scale: 1 : 250

SHEET NUMBER





# SITE LEGEND



NEW BARRIER FREE PARKING SPACE - REFER TO DETAIL 1/D1701 & 5/D1701



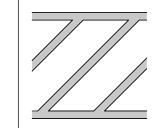
ACCESSIBLE PARKING SIGN ON POST - REFER TO DETAIL 2/D1702



EXISTING MAIN ENTRANCE

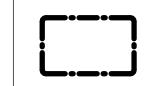


EXISTING EXIT TO REMAIN



NEW PAINTED LINE MARKING -REFER TO DETAIL 3/D1701





DASHED AREA INDICATES AREA OF WORK

# SITE PLAN GENERAL NOTES

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CITY OF TORONTO Corporate Real Estate Management

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ISSUES		
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CONSULTANTS



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PROJECT TITLE CITY OF TORONTO ACCESSIBILITY UPGRADES

PROJECT ADDRESS

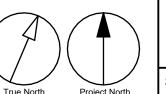
POLICE - BAIL & PAROLE **ENFORCEMENT OFFICE** 2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056 DRAWN BY:

CHECKED BY: L. BANDIERA J.SUN APPROVED BY: M. KOTBY PROJECT MGR: N. FRISCIC

SHEET TITLE

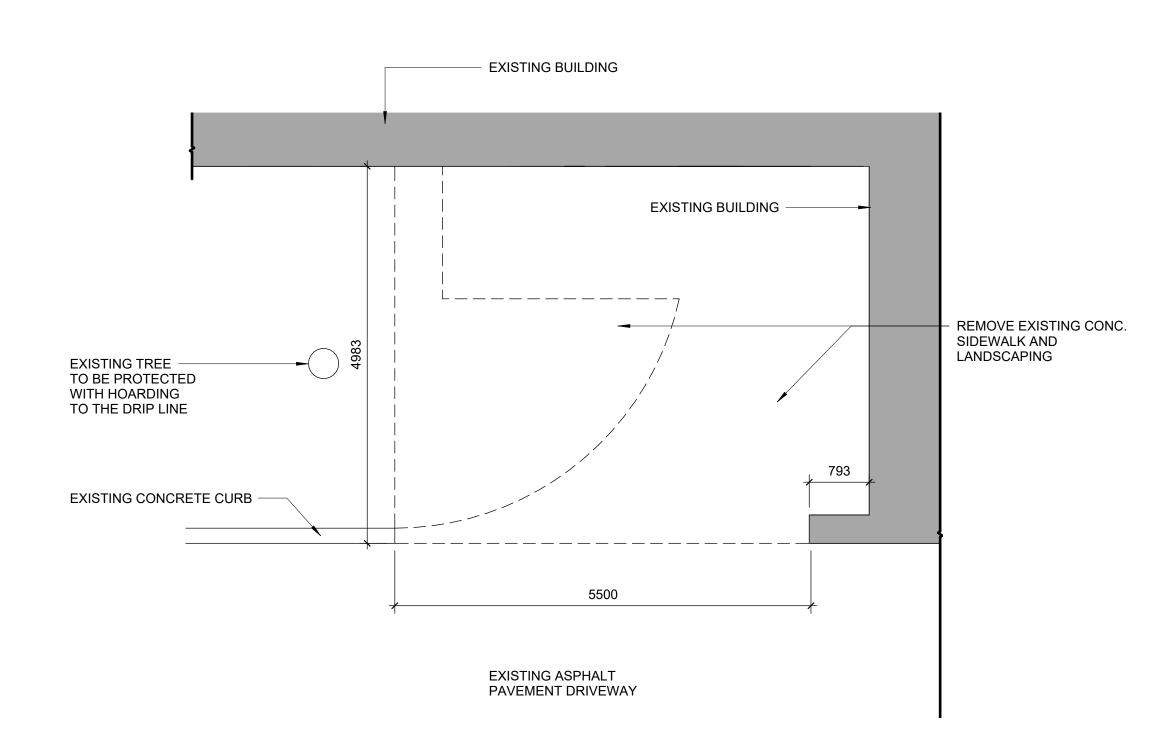
SITE PLAN



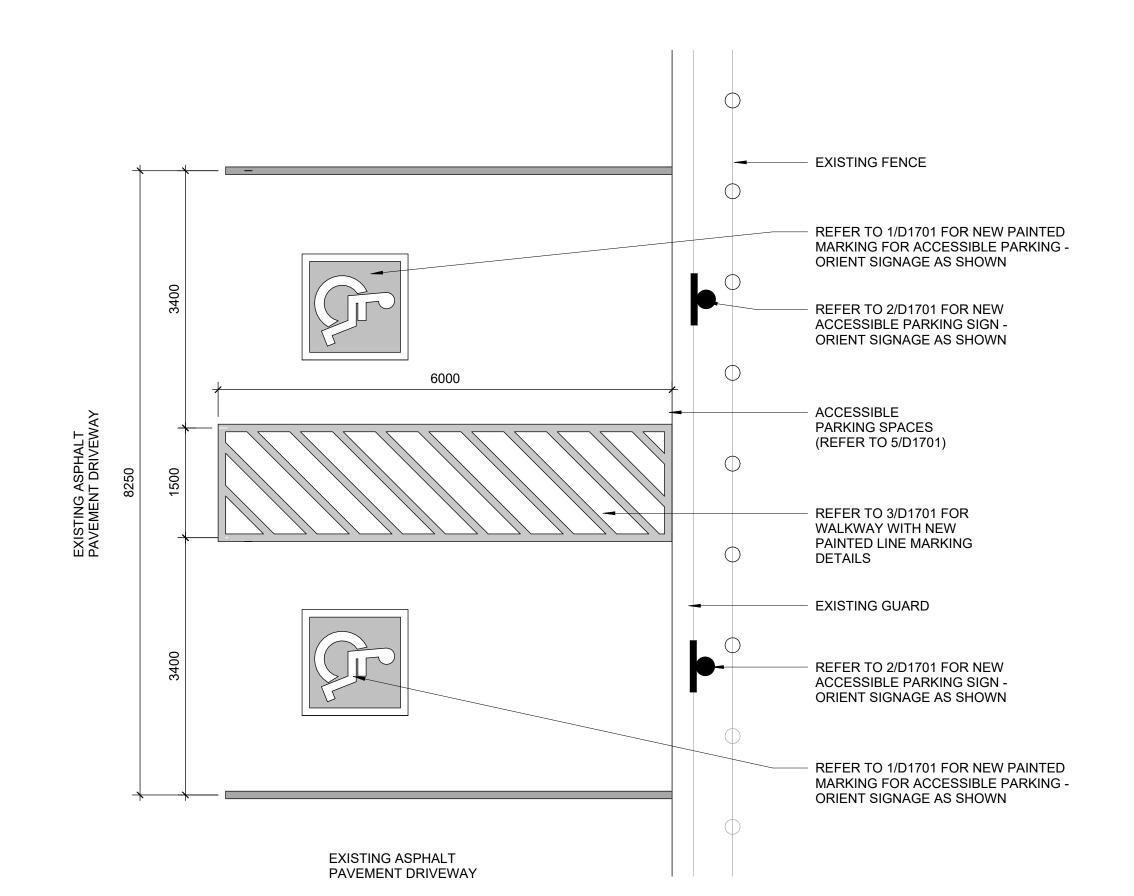
G03-141-A1201 D

1 SITE PLAN

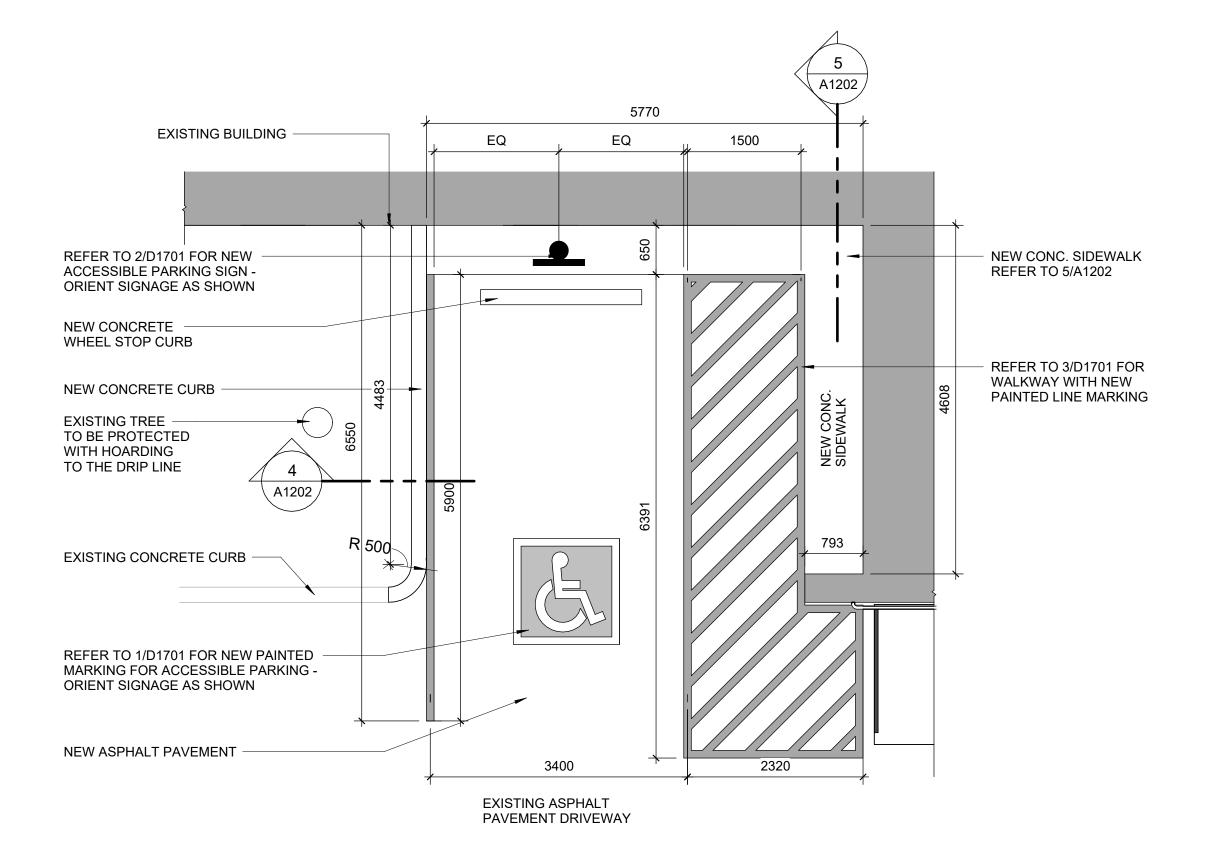
A1201 | Scale: 1 : 250



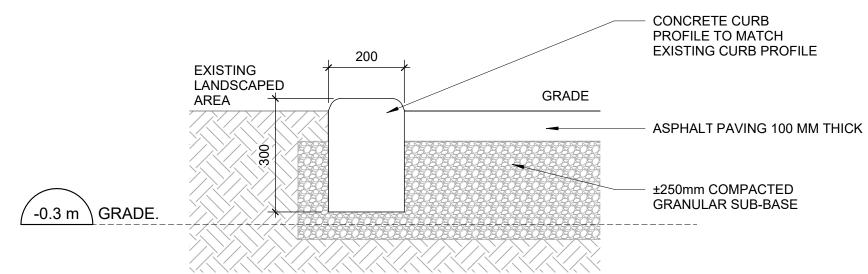
\ ENLARGED DEMOLITION PLAN ∖ A1202 / Scale: 1 : 50



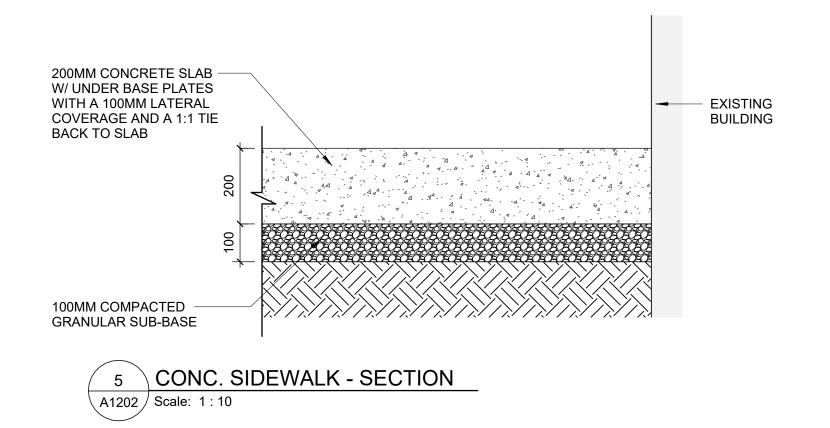
ACCESSIBLE PARKING DETAIL PLAN AT PARKING LOT A1202 | Scale: 1:50



ACCESSIBLE PARKING DETAIL PLAN AT ENTRANCE \ A1202 \ Scale: 1:50



4 SECTION THROUGH ASPHALT PAVING ∖ A1202 / Scale: 1 : 10



SITE LEGEND



NEW BARRIER FREE PARKING SPACE - REFER TO DETAIL 1/D1701 & 5/D1701



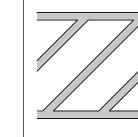
ACCESSIBLE PARKING SIGN ON POST - REFER TO DETAIL 2/D1702



EXISTING MAIN ENTRANCE



EXISTING EXIT TO REMAIN



NEW PAINTED LINE MARKING -REFER TO DETAIL 3/D1701

**NEW PAINTED LINE MARKING -**REFER TO DETAIL 4/D1701



DASHED AREA INDICATES AREA OF WORK

#### SITE PLAN GENERAL NOTES

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ENTRANCES WITH OWNER FOR HOARDING AND EXTERIOR PAVING AND ALL SOFT LANDSCAPING MATERIAL AROUND ALL EXTERIOR EXCAVATED AREAS AFTER CONSTRUCTION VERIFY ALL UNDERGROUND BURIED UTILITIES PRIOR TO

CONSULTANTS

SEAL

PRIME CONSULTANT ARCADIS

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CITY OF TORONTO ACCESSIBILITY UPGRADES

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POLICE - BAIL & PAROLE **ENFORCEMENT OFFICE** 2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056

DRAWN BY: CHECKED BY: L. BANDIERA J.SUN PROJECT MGR: APPROVED BY: N. FRISCIC M. KOTBY

SHEET TITLE

SITE PLAN DETAILS

SHEET NUMBER

ISSUE G03-141-A1202 D

CITY OF TORONTO

CLIENT

CONSULTANTS

PROJECT TITLE
CITY OF TORONTO ACCESSIBILITY UPGRADES

POLICE - BAIL & PAROLE ENFORCEMENT OFFICE 2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056

CHECKED BY: J.SUN Checker APPROVED BY: M. KOTBY PROJECT MGR:

FOR TEMPORARY **EXTERIOR TRAILERS** 

G03-141-A1203 D





NEW BARRIER FREE PARKING SPACE - REFER TO DETAIL 1/D1701 & 5/D1701



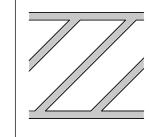
ACCESSIBLE PARKING SIGN ON POST - REFER TO DETAIL 2/D1702



EXISTING MAIN ENTRANCE

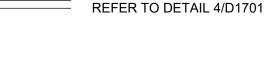


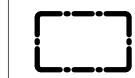
EXISTING EXIT TO REMAIN



NEW PAINTED LINE MARKING -REFER TO DETAIL 3/D1701

NEW PAINTED LINE MARKING -





DASHED AREA INDICATES AREA OF WORK

### SITE PLAN GENERAL NOTES

SITE PLAN DIMENSIONS ARE APPROXIMATE BASED ON GOOGLE MAPS. CONTRACTOR TO VERIFY ALL DIMENSIONS AND EXISTING SITE SERVICES AND TO REPORT ANY DISCREPANCY TO THE CONSULTANT AND THE OWNER BEFORE COMMENCEMENT OF THE WORK.

DURING CONSTRUCTION, CONTRACTOR TO COORDINATE ENTRANCES WITH OWNER FOR HOARDING AND EXTERIOR FENCING. RESTORE EXTERIOR WALKWAY, DRIVEWAY, PAVING AND ALL SOFT LANDSCAPING MATERIAL AROUND ALL EXTERIOR EXCAVATED AREAS AFTER CONSTRUCTION AS NEEDED WITH THE SAME MATERIAL AND FINISH. VERIFY ALL UNDERGROUND BURIED UTILITIES PRIOR TO DIGGING AND REPORT ANY CONFLICTS TO THE CONSULTANT.

PRIME CONSULTANT ARCADIS

100 - 175 Galaxy Blvd, Toronto, ON M9W 0C9, Canada tel 416 679 1930 www.arcadis.com

PROJECT ADDRESS

DRAWN BY:

N. FRISCIC

PROPOSED LOCATION

SHEET NUMBER

A1203 Scale: 1 : 250

25 m

PROPOSED LOCATION FOR TEMPORARY EXTERIOR TRAILERS

The same

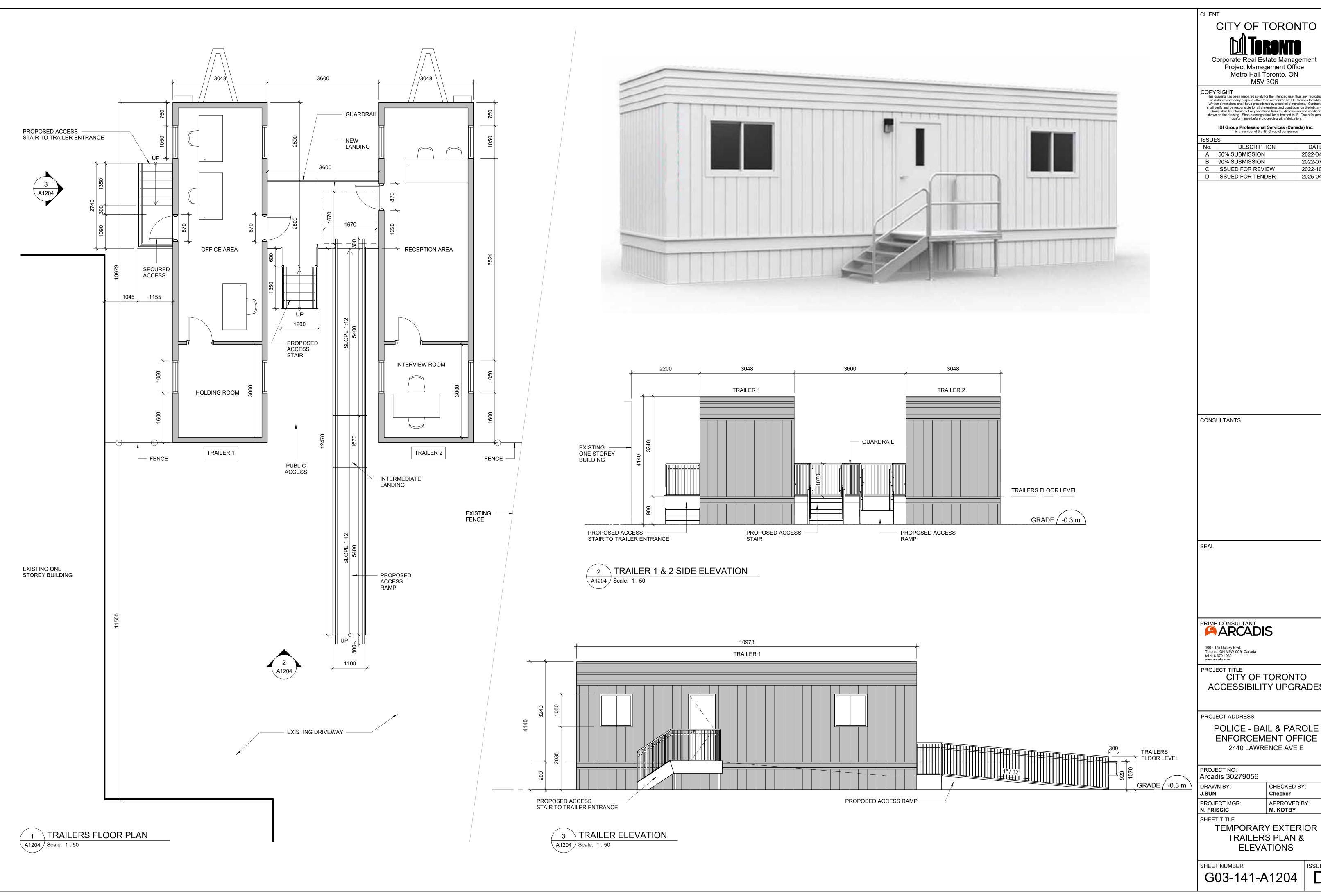
EXISTING ONE STOREY BUILDING

LAWRENCE AVE E

A1204

2200, 3048 , 3600 , 3048 ,

PROPOSED LOCATION OF TEMPORARY OFFICE TRAILERS



CITY OF TORONTO

Corporate Real Estate Management Project Management Office Metro Hall Toronto, ON M5V 3C6

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С	ISSUED FOR REVIEW	2022-10-18
D	ISSUED FOR TENDER	2025-04-11

PRIME CONSULTANT
ARCADIS

PROJECT TITLE CITY OF TORONTO ACCESSIBILITY UPGRADES

**ENFORCEMENT OFFICE** 2440 LAWRENCE AVE E

CHECKED BY: Checker

APPROVED BY: M. KOTBY

TEMPORARY EXTERIOR TRAILERS PLAN & **ELEVATIONS** 

ISSUE G03-141-A1204

#### **CONSTRUCTION STAGING LEGEND**

STAGE 1



STAGE 2

STAGE 4



STAGE 3



#### STAGING GENERAL NOTES

TRAVEL PATH

EXISTING FACILITY WILL REMAIN OPERATIONAL DURING CONSTRUCTION. CONSTRUCTION WORK CANNOT IMPACT FACILITY OPERATION WITHOUT FIRST NOTIFYING AND CONSULTING WITH THE OWNER.

IF AN EXIT WILL BE BLOCKED DUE TO CONSTRUCTION, THE GC IS TO PROVIDE A TEMPORARY EXIT LOCATION THAT IS APPROVED BY THE ARCHITECT AND THE FIRE DEPARTMENT. SHOULD THE WORK BE ABLE TO BE COMPLETED OVER THE COURSE OF A WEEKEND OR AFTER HOURS, THE GC IS TO OBTAIN APPROVAL FROM THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.

ALL STAGES ARE TO BE COMPLETED IN SEQUENTIAL ORDER

IF EXISTING FIRE ALARM SYSTEM NEEDS TO BE TEMPORARILY INTERRUPTED TO COMPLETE THE WORK, A FULL TIME FIRE WATCH SHALL BE PROVIDED.

A) TEMPORARY SIGNAGE B) TEMPORARY ACCESS WITH ACCESSIBLE RAMPS AS REQUIRED BY ONTARIO REGULATION 191/11 80.13.

OF WORK. PROVIDE AND MODIFY CONSTRUCTION BARRIER/SIGNAGE

STAGE MUST BE COMPLETED AS PER CONTRACT

10 KEEP EXITS CLEAR FROM OBSTRUCTIONS DURING

FOR ALL OTHER REQUIREMENTS - REFER TO SPECIFICATIONS.

CONSTRUCTION.

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D	ISSUED FOR TENDER	2025-04-11		
	•			

CONTRACTOR SHALL ALLOW FOR THE FOLLOWING:

ALL STAGING INCLUDES BOTH DEMOLITION AND NEW SCOPE

ETC. TO SUIT SITE CONDITION AND CONSTRUCTION SEQUENCE.

WORK LISTED IN STAGES IS FOR REFERENCE ONLY. EACH DOCUMENTS BEFORE STARTING THE NEXT STAGE AND SHALL NOT AFFECT NORMAL OPERATION OR EXITING OF THE FACILITY.

CONSULTANTS

PRIME CONSULTANT ARCADIS

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PROJECT TITLE
CITY OF TORONTO ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE **ENFORCEMENT OFFICE** 2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056

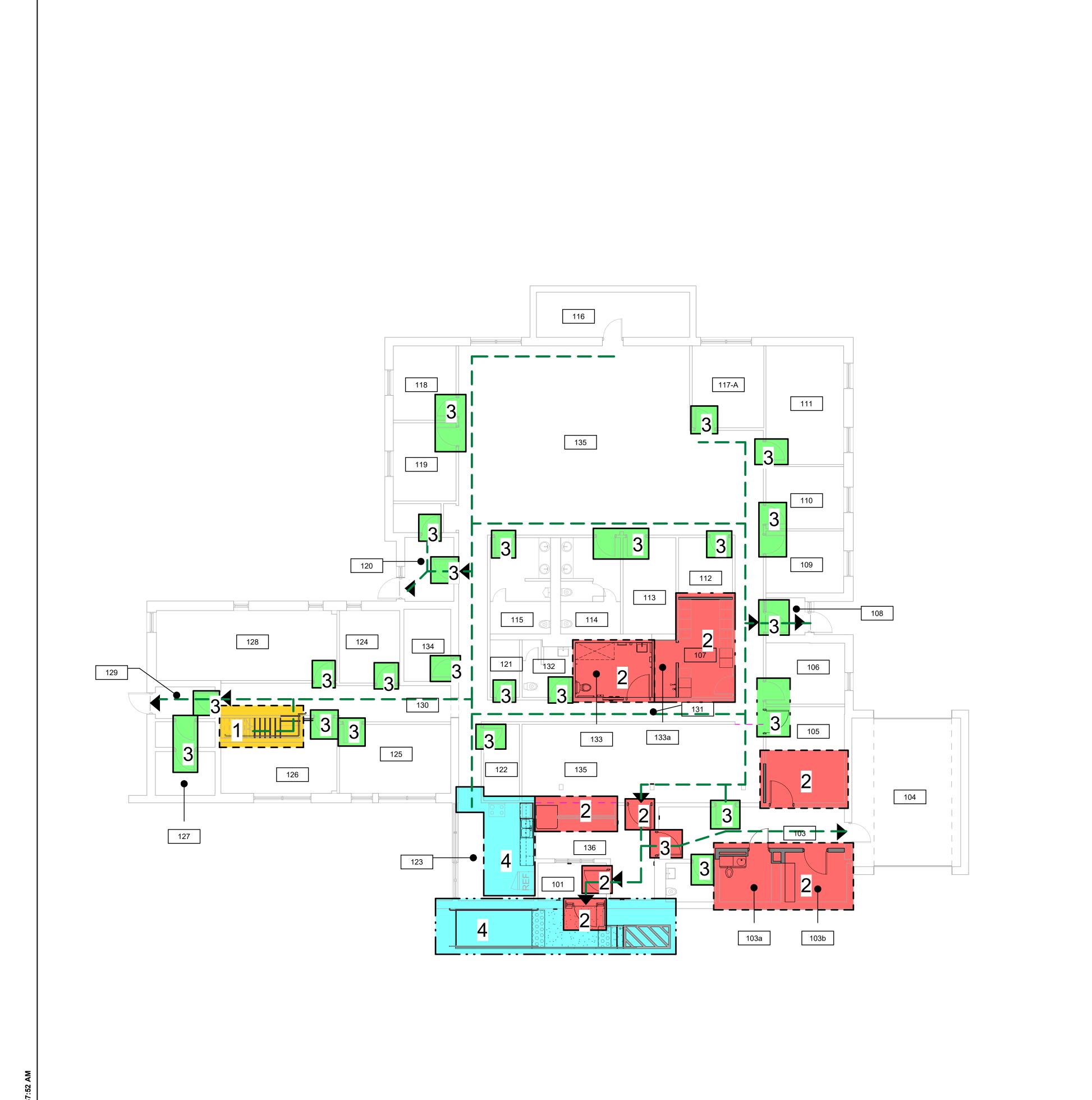
DRAWN BY: CHECKED BY: J.SUN L. BANDIERA APPROVED BY: M. KOTBY PROJECT MGR: N. FRISCIC

SITE PLAN STAGING

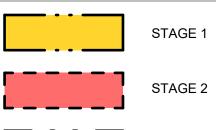
SHEET NUMBER

ISSUE G03-141-A2001

25 m

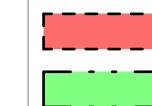


#### CONSTRUCTION STAGING LEGEND

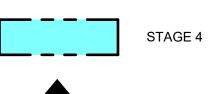


STAGE 1





STAGE 3



EXIT TRAVEL PATH

#### STAGING GENERAL NOTES

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A) TEMPORARY SIGNAGE B) TEMPORARY ACCESS WITH ACCESSIBLE RAMPS AS REQUIRED BY ONTARIO REGULATION 191/11 80.13.

OF WORK.

ETC. TO SUIT SITE CONDITION AND CONSTRUCTION SEQUENCE.

STAGE MUST BE COMPLETED AS PER CONTRACT DOCUMENTS BEFORE STARTING THE NEXT STAGE AND SHALL NOT AFFECT NORMAL OPERATION OR EXITING OF

FOR ALL OTHER REQUIREMENTS - REFER TO

CONSTRUCTION.

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ALL STAGES ARE TO BE COMPLETED IN SEQUENTIAL ORDER

TO PROCEEDING WITH THE WORK. IF EXISTING FIRE ALARM SYSTEM NEEDS TO BE

ALL STAGING INCLUDES BOTH DEMOLITION AND NEW SCOPE

PROVIDE AND MODIFY CONSTRUCTION BARRIER/SIGNAGE

WORK LISTED IN STAGES IS FOR REFERENCE ONLY. EACH THE FACILITY.

SPECIFICATIONS. 10 KEEP EXITS CLEAR FROM OBSTRUCTIONS DURING

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PROJECT TITLE
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PROJECT ADDRESS

POLICE - BAIL & PAROLE **ENFORCEMENT OFFICE** 2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056

DRAWN BY: CHECKED BY: J.SUN L. BANDIERA PROJECT MGR: APPROVED BY: N. FRISCIC M. KOTBY

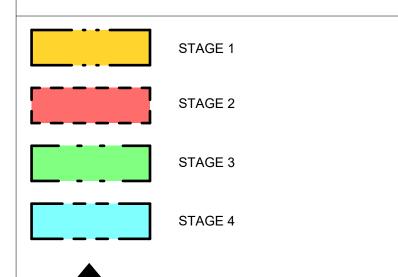
FIRST FLOOR STAGING & **EXITING PLAN** 

ISSUE

SHEET NUMBER G03-141-A2011

10 m

#### CONSTRUCTION STAGING LEGEND



#### STAGING GENERAL NOTES

EXISTING FACILITY WILL REMAIN OPERATIONAL DURING CONSTRUCTION. CONSTRUCTION WORK CANNOT IMPACT FACILITY OPERATION WITHOUT FIRST NOTIFYING AND CONSULTING WITH THE OWNER.

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A) TEMPORARY SIGNAGE B) TEMPORARY ACCESS WITH ACCESSIBLE RAMPS AS REQUIRED BY ONTARIO REGULATION 191/11 80.13.

ALL STAGING INCLUDES BOTH DEMOLITION AND NEW SCOPE OF WORK.

PROVIDE AND MODIFY CONSTRUCTION BARRIER/SIGNAGE ETC. TO SUIT SITE CONDITION AND CONSTRUCTION SEQUENCE.

WORK LISTED IN STAGES IS FOR REFERENCE ONLY. EACH STAGE MUST BE COMPLETED AS PER CONTRACT DOCUMENTS BEFORE STARTING THE NEXT STAGE AND SHALL NOT AFFECT NORMAL OPERATION OR EXITING OF THE FACILITY.

FOR ALL OTHER REQUIREMENTS - REFER TO SPECIFICATIONS. 10 KEEP EXITS CLEAR FROM OBSTRUCTIONS DURING

CONSTRUCTION.

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DATE

2022-04-27

2022-07-29

2022-08-24

2025-04-11

DESCRIPTION

A 50% SUBMISSION

B 90% SUBMISSION

C ISSUED FOR PERMIT

D ISSUED FOR TENDER

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PROJECT TITLE
CITY OF TORONTO ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE **ENFORCEMENT OFFICE** 

PROJECT NO: Arcadis 30279056

DRAWN BY: CHECKED BY: J.SUN L. BANDIERA PROJECT MGR: APPROVED BY: N. FRISCIC M. KOTBY

> MEZZ. FLOOR STAGING & EXITING PLAN

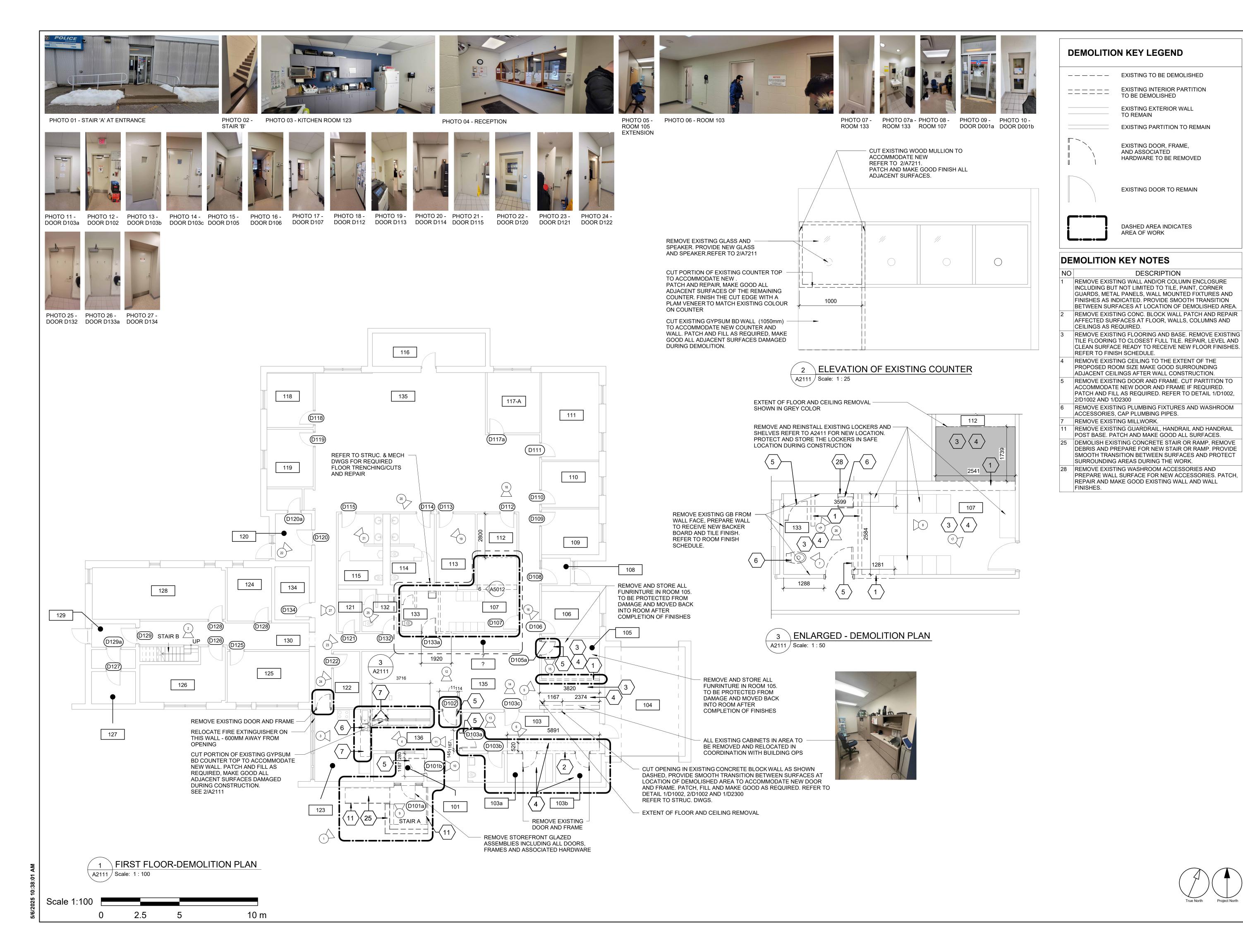
SHEET NUMBER

G03-141-A2021

EXIT TRAVEL PATH ALL STAGES ARE TO BE COMPLETED IN SEQUENTIAL ORDER

PRIME CONSULTANT
ARCADIS

2440 LAWRENCE AVE E



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PROJECT NO: Arcadis 30279056

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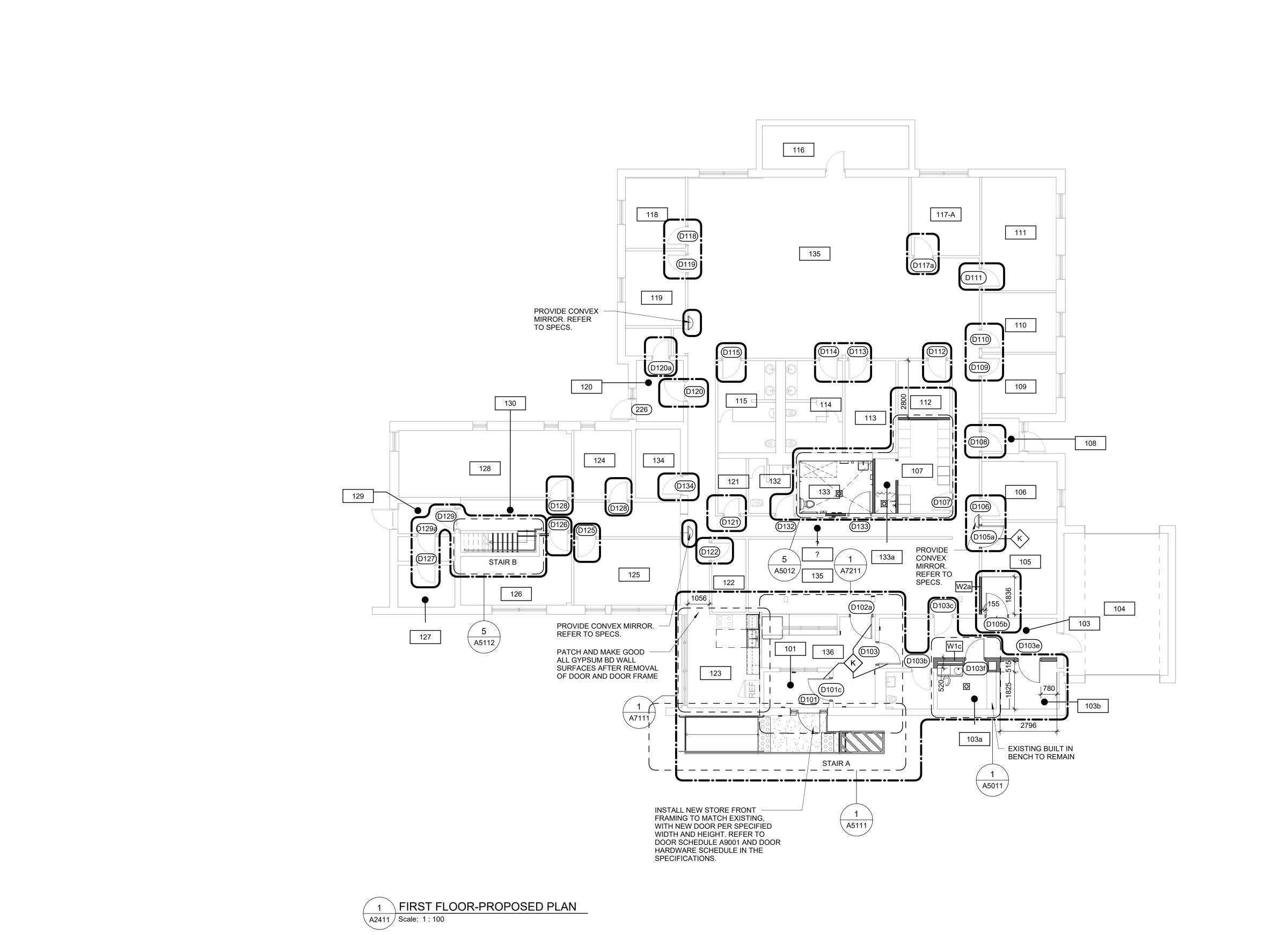
SHEET TITLE

FIRST FLOOR DEMOLITION PLAN

SHEET NUMBER

G03-141-A2111 D

ISSUE



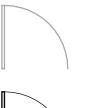
#### **CONSTRUCTION KEY LEGEND**

EXISTING EXTERIOR WALL TO EXISTING PARTITION TO REMAIN

NEW EXTERIOR WALL

REFER TO WALL SCHEDULE

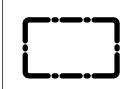
**NEW PARTITION** REFER TO PARTITION SCHEDULE



EXISTING DOOR TO REMAIN



NEW DOOR AND/ OR **NEW HARDWARE** 



DASHED AREA INDICATES AREA OF WORK

#### CONSTRUCTION KEY NOTES

DESCRIPTION INSTALL NEW DOOR AND FRAME. REFER TO DOOR SCHEDULE A9001, G0004 AND DOOR HARDWARE SCHEDULE IN THE SPECIFICATIONS.

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PROJECT TITLE
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PROJECT ADDRESS

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PROJECT NO: Arcadis 30279056 DRAWN BY:

CHECKED BY: J.SUN L. BANDIERA PROJECT MGR: APPROVED BY: N. FRISCIC M. KOTBY

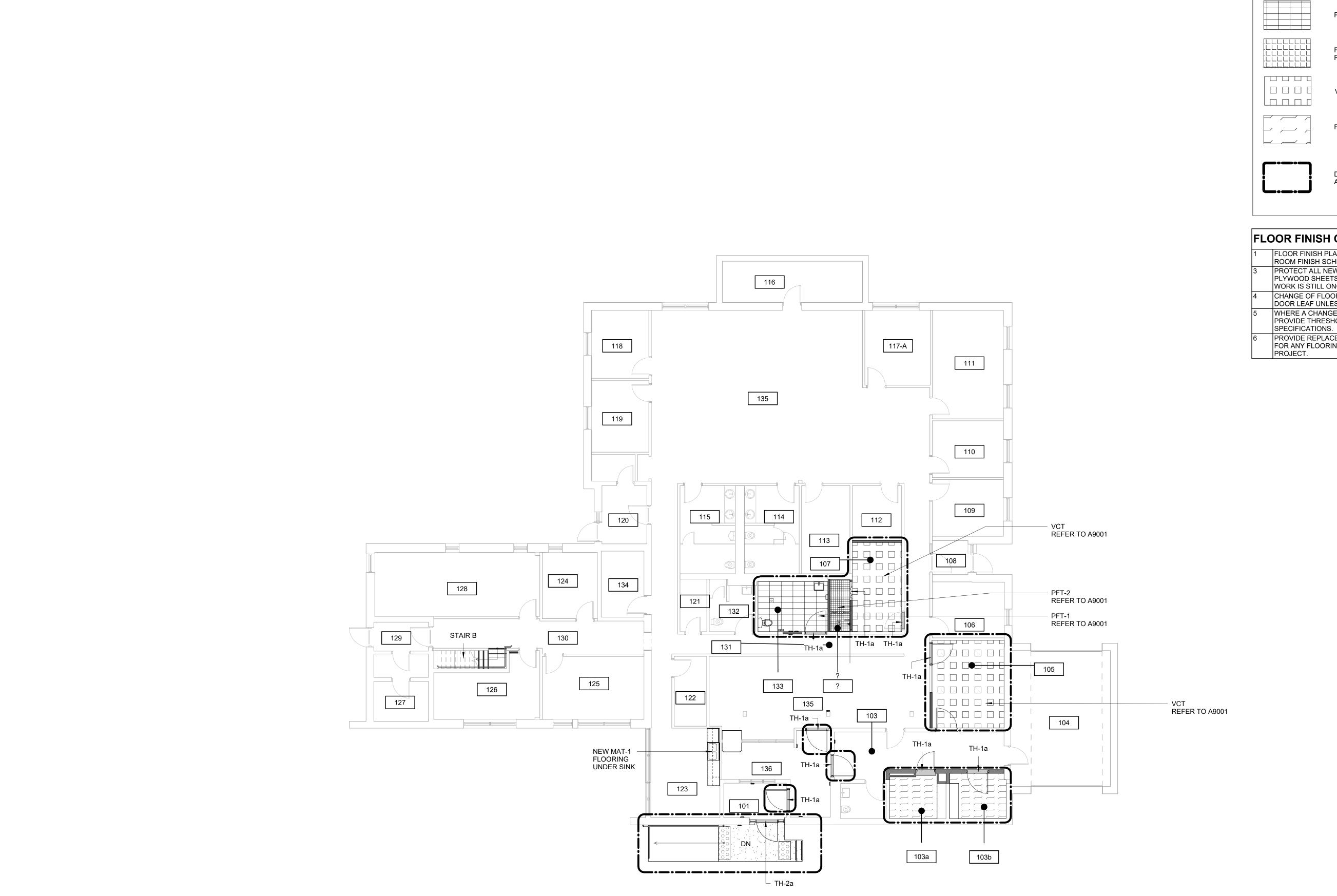
SHEET TITLE

FIRST FLOOR PROPOSED PLAN

SHEET NUMBER G03-141-A2411 D

ISSUE

10 m 2.5



1 FIRST FLOOR PROPOSED FLOOR FINISH PLAN

A2611 Scale: 1:100

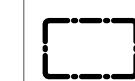
#### FLOOR FINISHES LEGEND

PORCELAIN SHOWER TILE PORCELAIN TILE

FLOOR FINISH TO MATCH EXISTING REFER TO ROOM FINISH SCHEDULE

FLOOR SEALED CONCRETE

VINYL COMPOSITE TILE



DASHED AREA INDICATES AREA OF WORK

#### FLOOR FINISH GENERAL NOTES

FLOOR FINISH PLANS TO BE READ IN CONJUNCTION WITH ROOM FINISH SCHEDULE AND SPECIFICATIONS. PROTECT ALL NEW AND EXISTING FLOOR FINISHES WITH PLYWOOD SHEETS ANYWHERE OTHER CONSTRUCTION WORK IS STILL ONGOING.

CHANGE OF FLOORING MATERIAL TO OCCUR BELOW THE DOOR LEAF UNLESS OTHERWISE INDICATED. WHERE A CHANGE OF MATERIAL THICKNESS OCCURS, PROVIDE THRESHOLD AS PER DETAILS AND

PROVIDE REPLACEMENT FLOOR FINISH TO MATCH EXISTING FOR ANY FLOORING DAMAGED DUE TO WORK OF THIS PROJECT.

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PROJECT TITLE
CITY OF TORONTO ACCESSIBILITY UPGRADES

> POLICE - BAIL & PAROLE **ENFORCEMENT OFFICE**

PROJECT NO: Arcadis 30279056

CHECKED BY: J.SUN L. BANDIERA PROJECT MGR: APPROVED BY:

SHEET TITLE

FIRST FLOOR PROPOSED FLOOR FINISH PLAN

SHEET NUMBER

10 m 2.5

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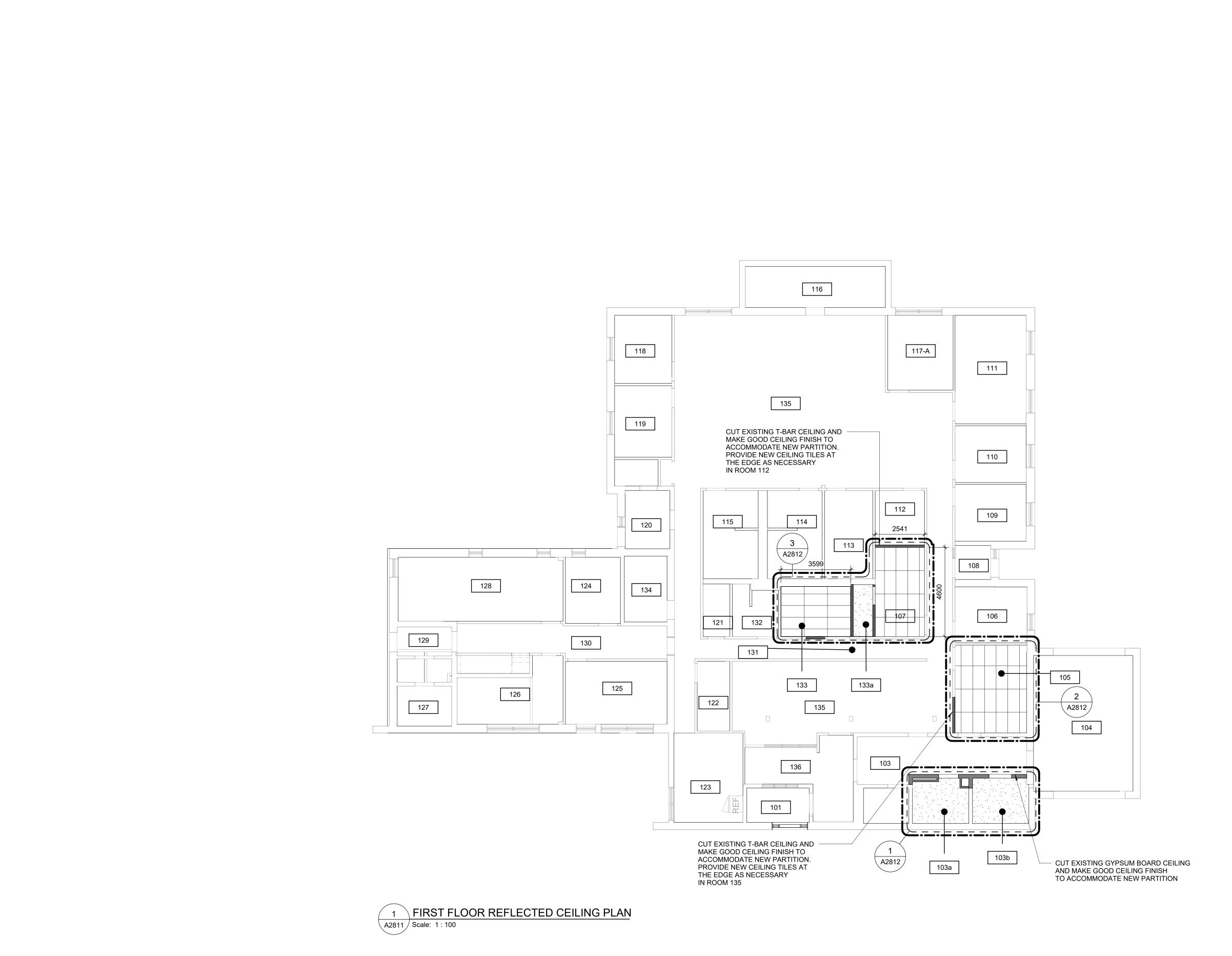
2440 LAWRENCE AVE E

DRAWN BY:

N. FRISCIC M. KOTBY

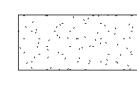
G03-141-A2611 D

ISSUE

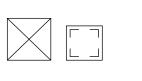


#### **CEILING LEGEND**

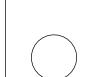
SUSPENDED METAL GRID AND LAY-IN ACOUSTIC TILE SIZE TO MATCH EXISTING



GYPSUM BOARD CEILING AND BULKHEAD

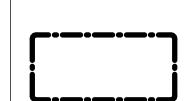


SUPPLY / RETURN DUCT



CEILING, PENDANT OR WALL MOUNTED LUMINAIRE

CEILING OR PENDANT MOUNTED LUMINAIRE



DASHED AREA INDICATES AREA OF WORK

#### **CEILING GENERAL NOTES**

PROPOSED CEILING HEIGHT TO MATCH EXISTING, UNLESS OTHERWISE NOTED.

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CONSULTANTS

SEAL

PROJECT TITLE
CITY OF TORONTO ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE **ENFORCEMENT OFFICE** 2440 LAWRENCE AVE E

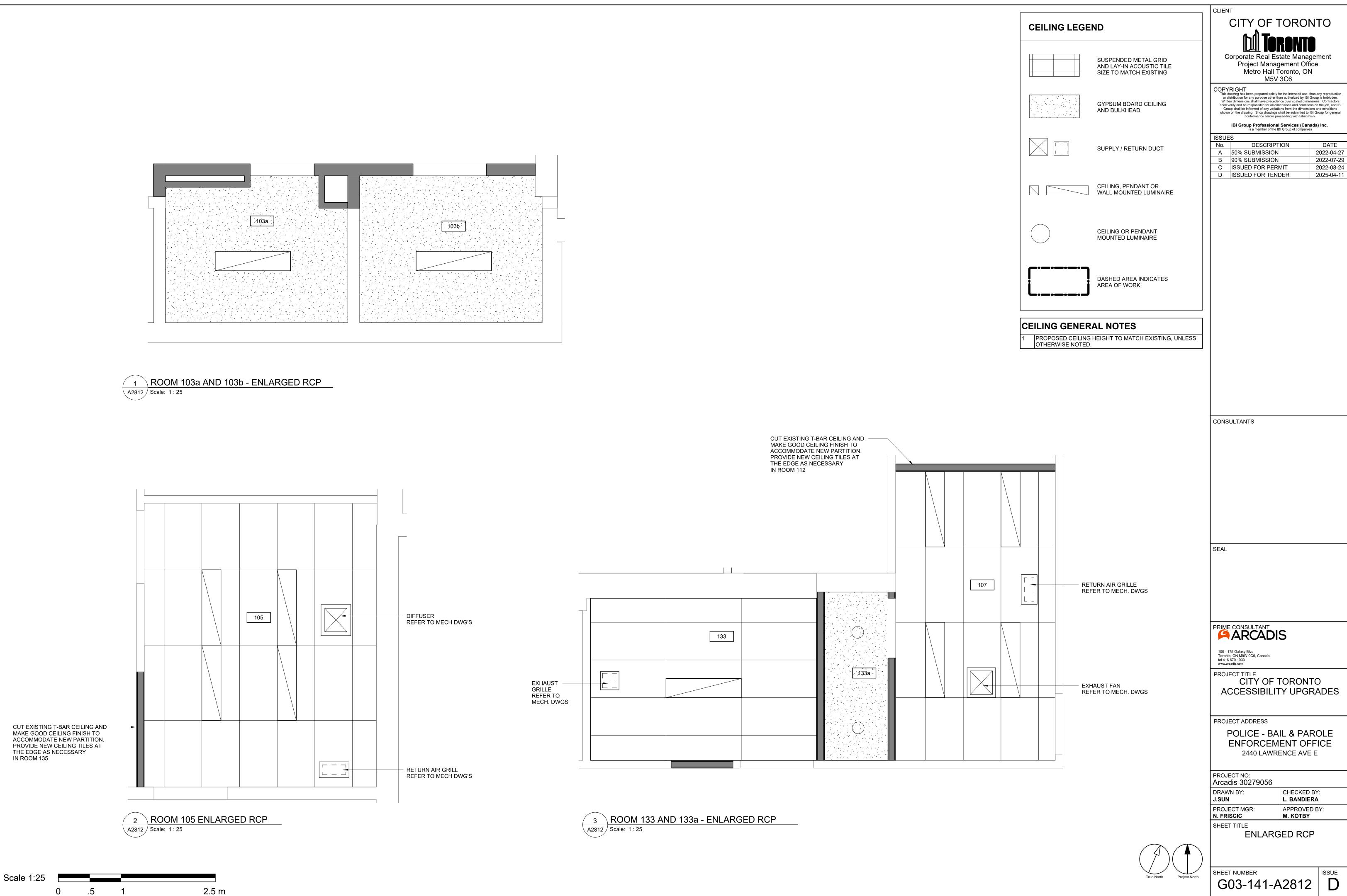
PROJECT NO: Arcadis 30279056 DRAWN BY: J.SUN

CHECKED BY: L. BANDIERA PROJECT MGR: APPROVED BY: N. FRISCIC M. KOTBY

SHEET TITLE

FIRST FLOOR REFLECTED CEILING PLAN

SHEET NUMBER ISSUE G03-141-A2811 D



CITY OF TORONTO

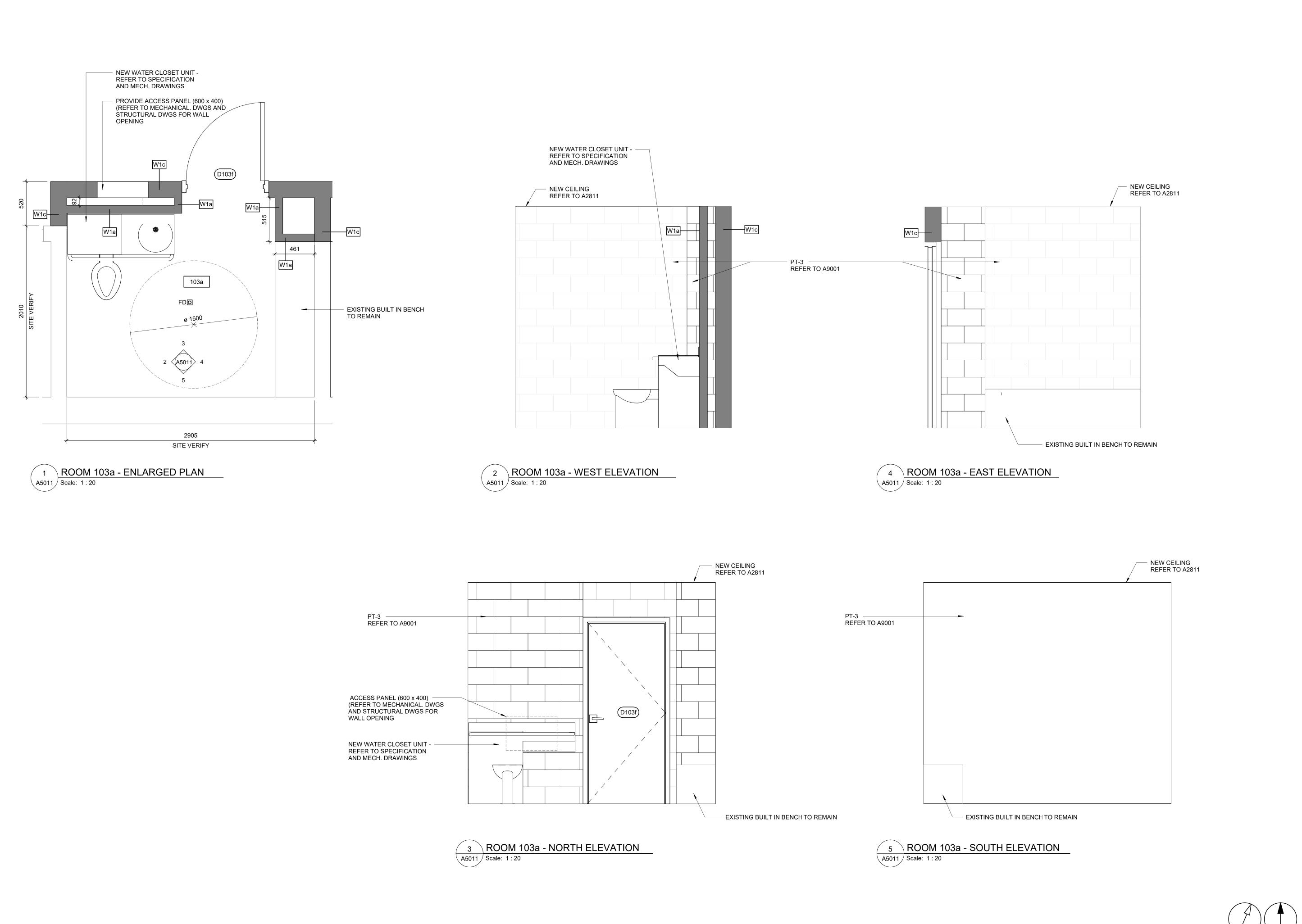
Corporate Real Estate Management Project Management Office

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ACCESSIBILITY UPGRADES

**ENFORCEMENT OFFICE** 2440 LAWRENCE AVE E

APPROVED BY: M. KOTBY



CLIENT CITY OF TORONTO

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PROJECT TITLE
CITY OF TORONTO ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE **ENFORCEMENT OFFICE** 2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056

DRAWN BY: CHECKED BY: J.SUN L. BANDIERA PROJECT MGR: APPROVED BY: N. FRISCIC M. KOTBY

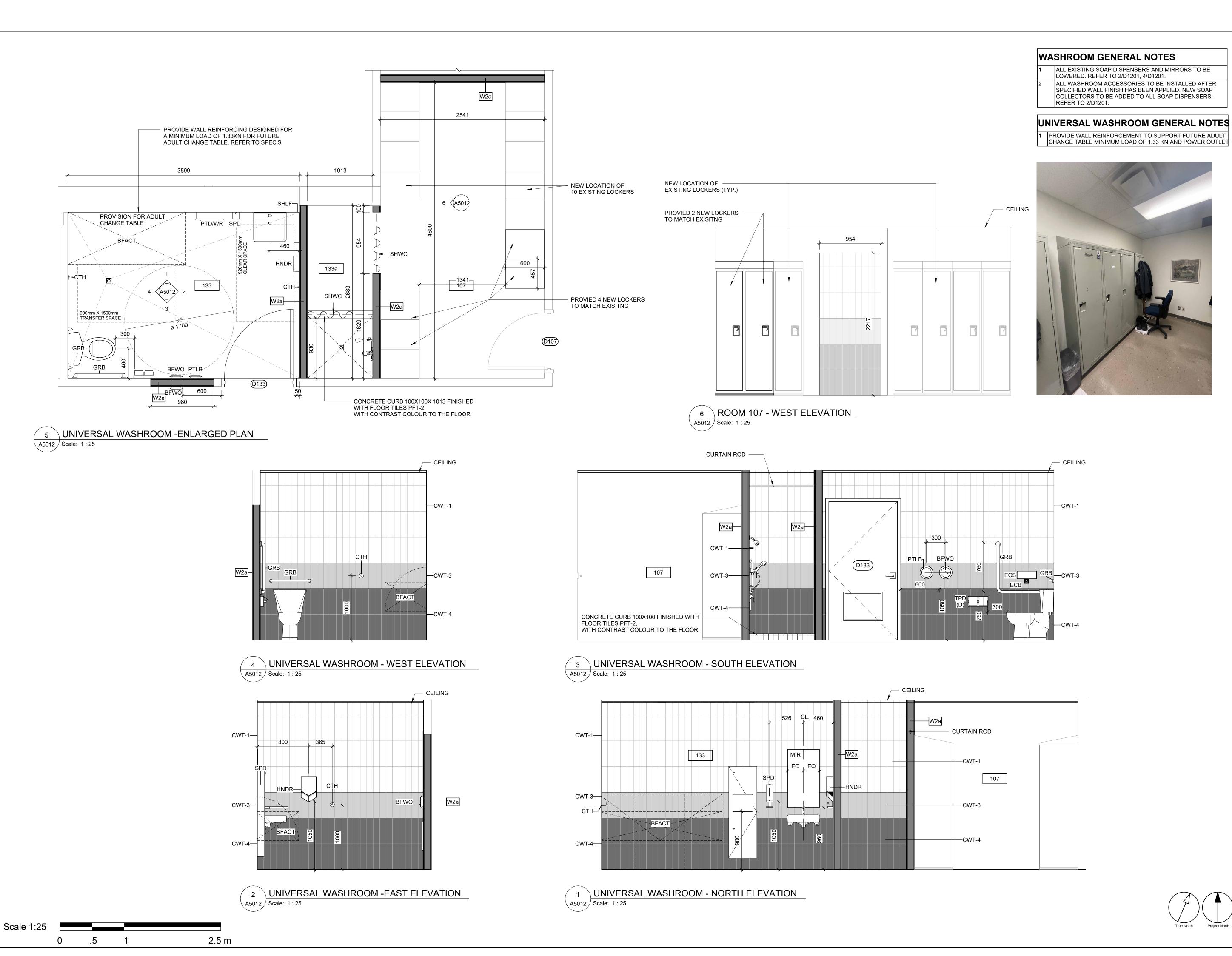
SHEET TITLE

WASHROOM PLANS/ELEVATIONS

SHEET NUMBER

G03-141-A5011 D

ISSUE



CITY OF TORONTO

Corporate Real Estate Management Project Management Office Metro Hall Toronto, ON M5V 3C6

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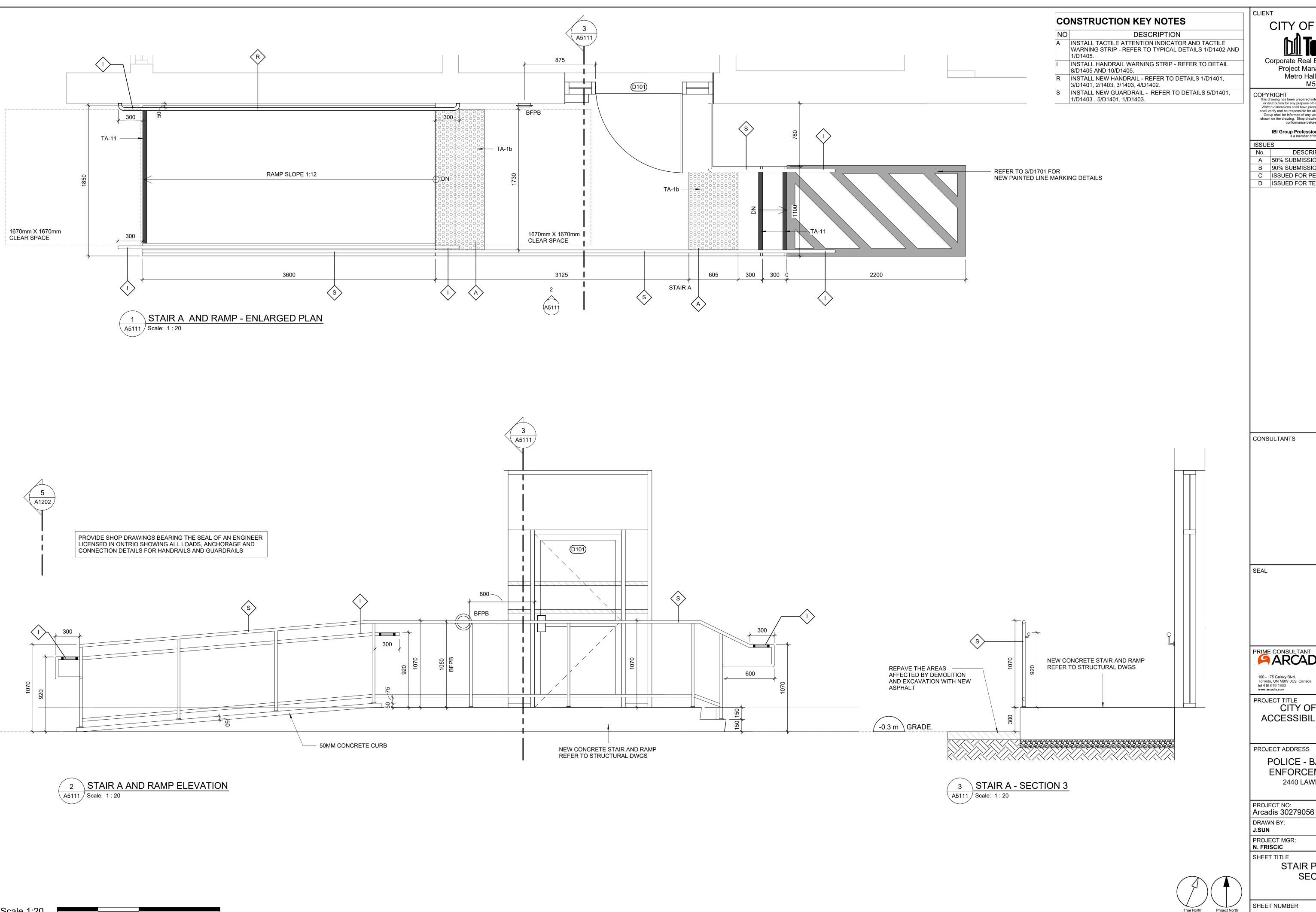
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SHEET TITLE

WASHROOM PLANS/ELEVATIONS

SHEET NUMBER

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PROJECT ADDRESS

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CHECKED BY: L. BANDIERA PROJECT MGR: APPROVED BY: м. котву

STAIR PLANS AND SECTIONS

SHEET NUMBER

ISSUE G03-141-A5111 D

#### **CONSTRUCTION KEY NOTES**

DESCRIPTION

- A INSTALL TACTILE ATTENTION INDICATOR AND TACTILE WARNING STRIP REFER TO TYPICAL DETAILS 1/D1402 AND
- INSTALL COLOUR AND TEXTURE NOSING STRIP REFER TO TYPICAL DETAIL 1/D1402.
- INSTALL HANDRAIL WARNING STRIP REFER TO DETAIL 8/D1405 AND 10/D1405.
- INSTALL NEW HANDRAIL REFER TO DETAILS 1/D1401, 3/D1401, 2/1403, 3/1403, 4/D1402.

CLIENT CITY OF TORONTO

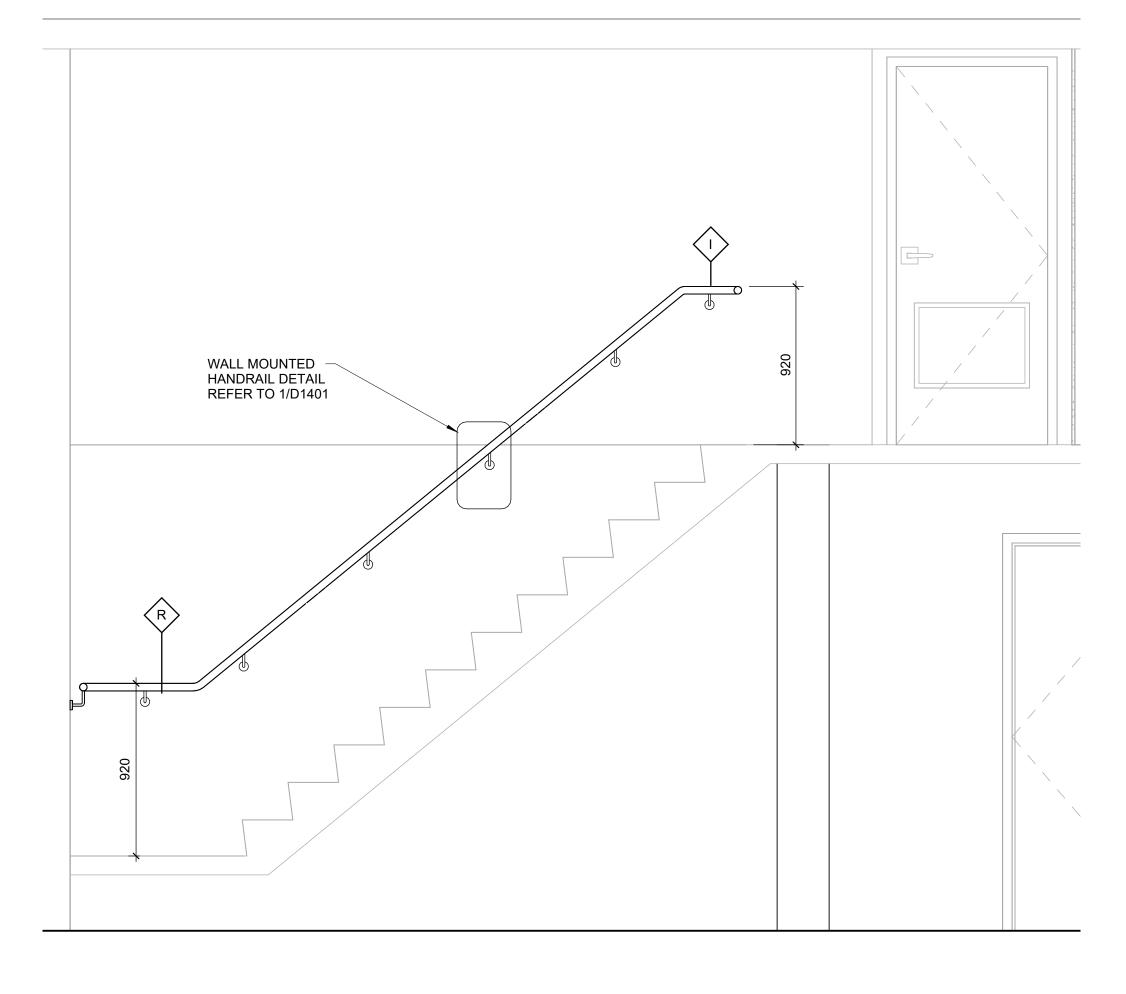
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D	ISSUED FOR TENDER	2025-04-11					
		•					



2 STAIR B - SECTION A5112 Scale: 1:20

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PROJECT NO: Arcadis 30279056 DRAWN BY: J.SUN

CHECKED BY: L. BANDIERA APPROVED BY: M. KOTBY PROJECT MGR: N. FRISCIC

SHEET TITLE STAIR PLANS AND SECTIONS

G03-141-A5112 ISSUE



605

1 STAIR B - MEZZ. FLOOR PLAN
A5112 Scale: 1:20

TREAD DEPTH TA-11

201

912

SITE VERIFY

2419

SITE VERIFY

A5112

#### **CONSTRUCTION KEY NOTES**

DESCRIPTION CONSTRUCT NEW KITCHEN MILLWORK. REFER TO MILLWORK DETAILS 1/D1301, 2/D1301, 3/D1301, 4/D1301, 1/D1302, 2/D1302, 3/D1302, 4/1302, 5/D1302, 6/D1302, 8/D1302.

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ISSUED FOR PERMIT	2022-08-24						
ISSUED FOR TENDER	2025-04-11						
	DESCRIPTION 50% SUBMISSION 90% SUBMISSION ISSUED FOR PERMIT						

2952 434 - EXISTING CEILING 750 900 868 PT-1 - EXISTING FRIDGE TO REMAIN Q-1 \_\_MW\_\_ \_\_MW\_ NEW GB WITH PAINT FINISH, GB PAINT FINISH COLOUR
TO MATCH EXISTING NEW RUBBER BASE TO MATCH EXISTING PROFILE AND COLOUR -750 434 900 434

> 2 KITCHEN 123 - EAST ELEVATION A7111 Scale: 1:20

1 KITCHEN 123 - ENLARGED PLAN A7111 Scale: 1:20

EXISTINGRANGE TO

EXISTING FRIDGE TO REMAIN

101

REMAIN

122

A7111 2

123

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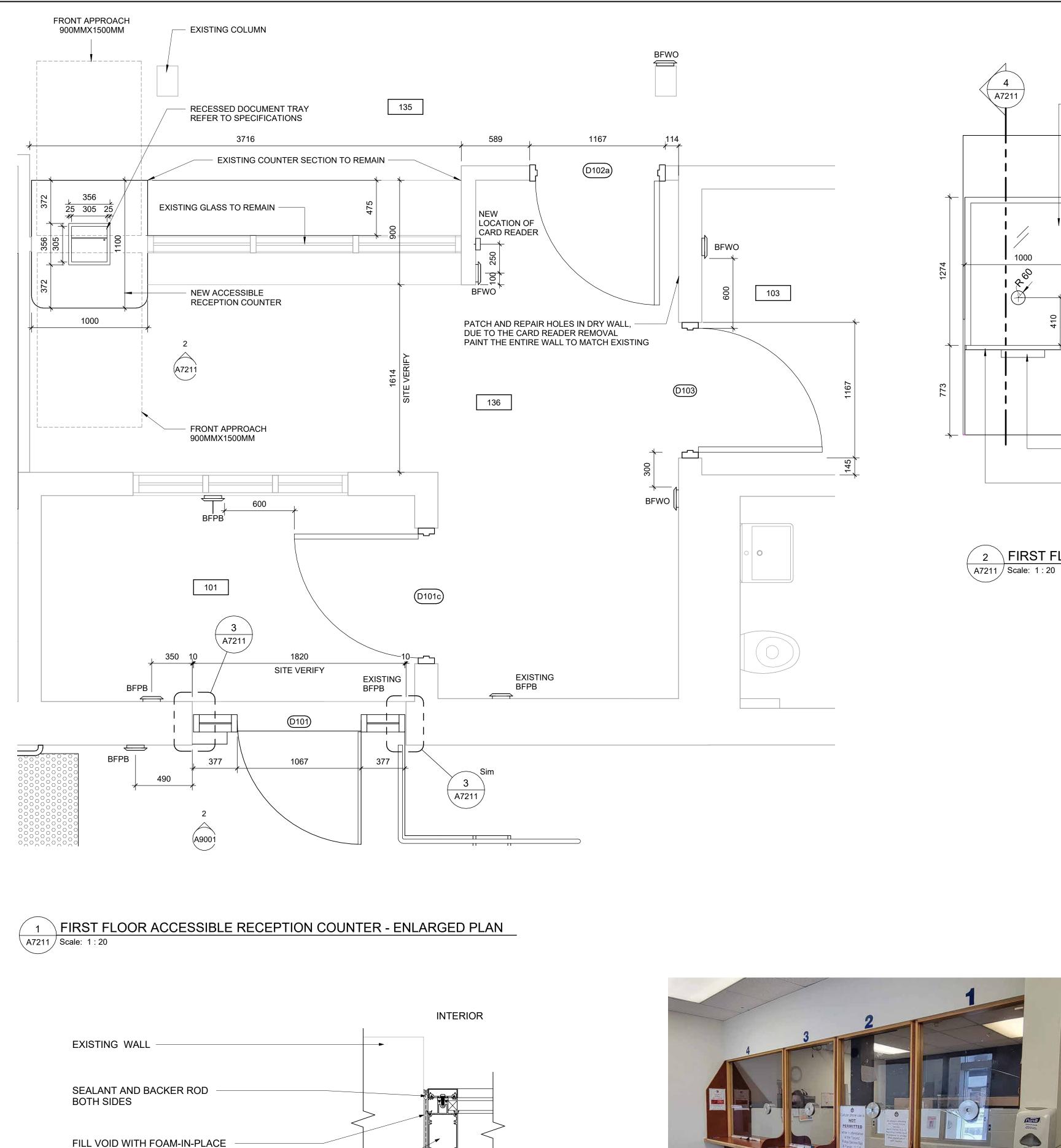
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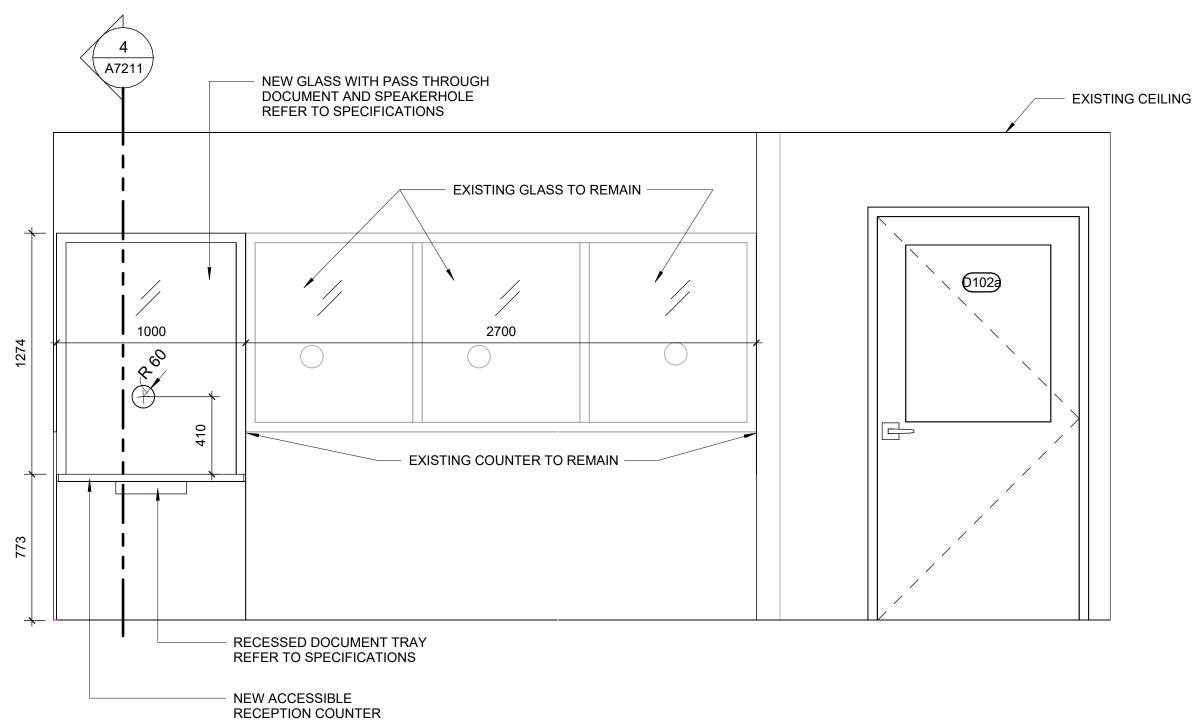
SHEET TITLE

MILLWORK KITCHEN 123

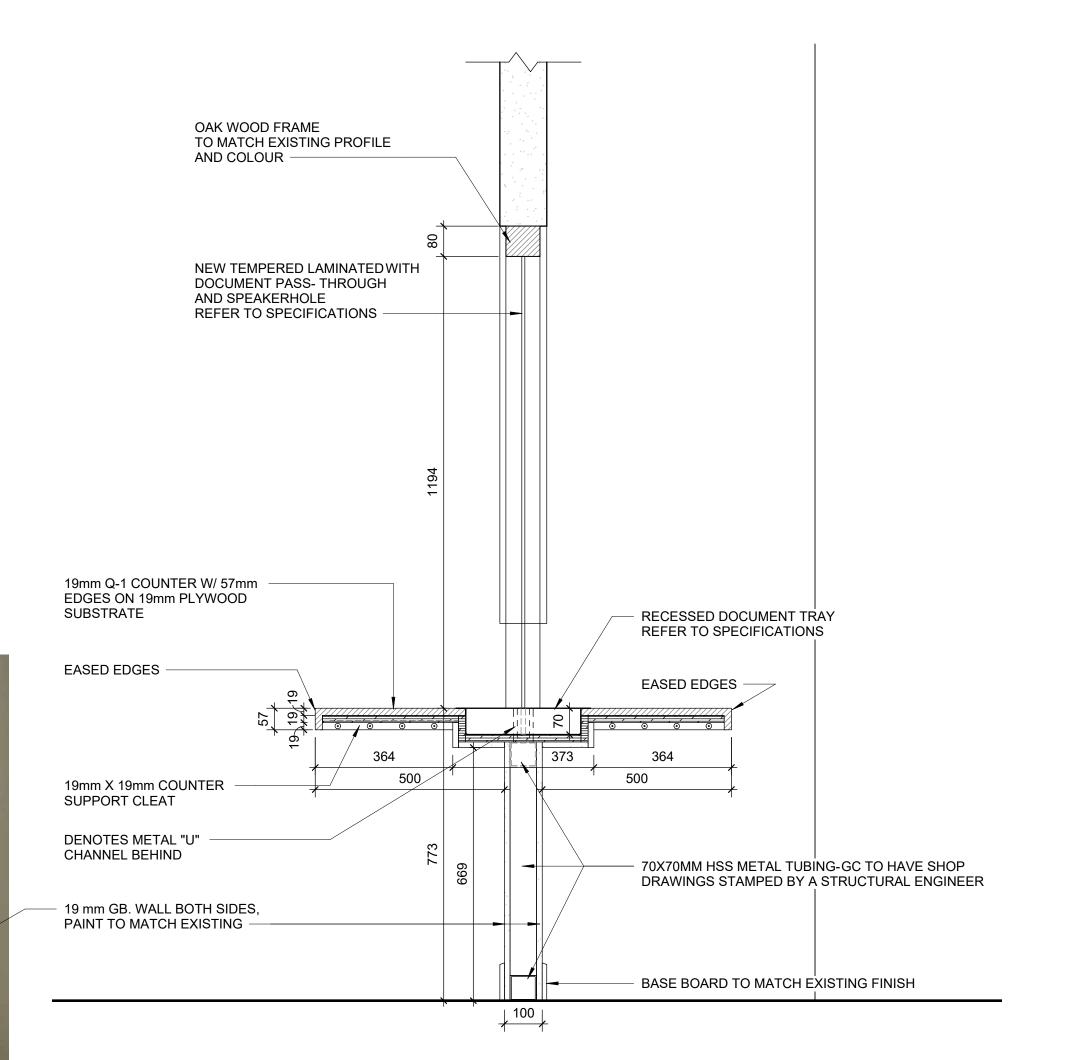
SHEET NUMBER ISSUE G03-141-A7111 D



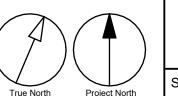
**EXTERIOR** 



2 FIRST FLOOR ACCESSIBLE RECEPTION COUNTER - NORTH ELEVATION



4 SECTION OF NEW ACCESSIBLE COUNTER A7211 | Scale: 1:10



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PROJECT NO: Arcadis 30279056 DRAWN BY:

CHECKED BY: J.SUN L. BANDIERA APPROVED BY: M. KOTBY PROJECT MGR: N. FRISCIC

SHEET TITLE MILLWORK - RECEPTION COUNTER 102

SHEET NUMBER

ISSUE G03-141-A7211 D

3 VESTIBULE ENTRANCE DOOR JAMB PLAN DETAIL A7211 / Scale: 1:5

THERMALLY BROKEN INSULATED

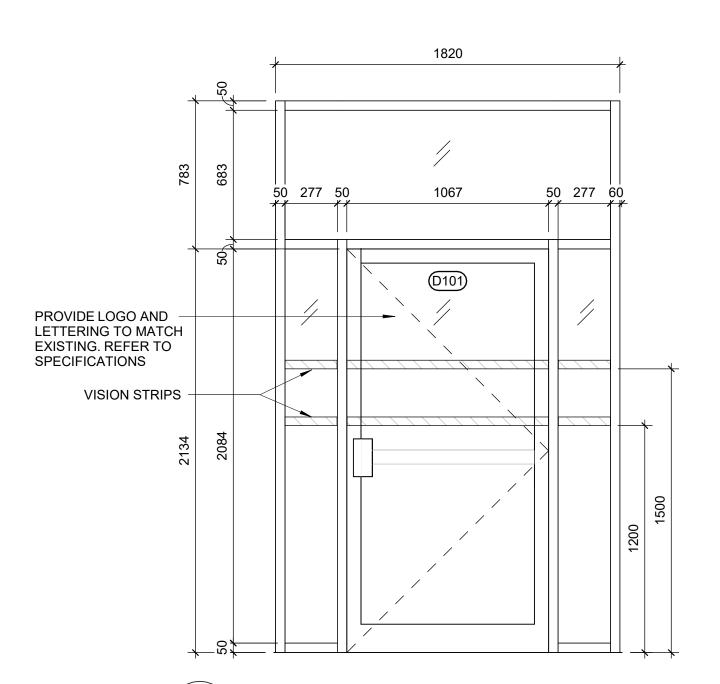
ALUMINUM FRAME AND DOOR

INSULATION

	DOOR SCHEDULE														
		DOOR					PANEL		FRA	AME	DO	OR HARDWA	RE		
DOOR NO.	LOCATION (ROOM NUMBER)	TYPE	WIDTH	HEIGHT	THICKNESS	MAT.	FIN.	GLASS	MAT.	FIN.	SECURITY ACCESS CONTOL DEVICE	BFPB	PANIC DEVICE	FIRE RATING (MINUTES)	REMARKS
FIRST FL	LOOR		•	, , , , , , , , , , , , , , , , , , ,						-			•		
D101	101	Etss	1067	2135	45	ALUM.	ANOD.	ITGL	ALUM.	ANOD.	YES	BFPB		NA	PROVIDE LOGO AND LETTERING ON DOOR TO MATCH EXISTING
D101c	101	F	1067	2135	45	HM	PT4	TGL	НМ	PT4		BFPB		NA	EXISTING MAGLOCK TO BE REUSED
D102a	136	G	1067	2135	45	HM	PT4	TGL	НМ	PT4		BFWO		NA	EXISTING MAGLOCK TO BE REUSED
D103	103	Α	1067	2135	45	HM	PT4	TGL	НМ	PT4		BFWO		NA	EXISTING MAGLOCK TO BE REUSED
D103b	103	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D103c	103	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT, AND ADD NEW MAGLOCK
D103e	103b	Х	1067	2135	45	HM	PT4	TGL	НМ	PT4				NA	REFER TO SPECIFICATIONS FOR DOOR SPECIAL DESIGN
D103f	103a	Х	1067	2135	45	HM	PT4	TGL	НМ	PT4		YES		NA	REFER TO SPECIFICATIONS FOR DOOR SPECIAL DESIGN
D105a	105	G	1067	2135	45	НМ	PT4	TGL	НМ	PT4				NA	ADD NEW MAGLOCK
D105b	105	Α	1067	2135	45	НМ	PT4	NA	НМ	PT4				NA	
D106	106	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D107	107	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D108	108	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D109	109	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D110	110	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D111	111	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	
D112	112	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D113	113	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D114	114	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D115	115	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D117a	135	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D118	118	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D119	119	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D120	123	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D120a	120	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D121	123	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D122	122	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D125	130	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D126	130	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D127	127	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4					PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D128	130	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D128	130	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D129	130	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D129a	129	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D132	123	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4				NA	PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT
D133	123	A(L)	1067	2135	45	EXIST	PT4	EXIST	EXIST	PT4		BFWO		NA	
D134	134	EXIST	EXIST	EXIST	EXIST	EXIST	PT4	EXIST	EXIST	PT4					PATCH AND PREPARE DOOR LEAFS AND FRAMES CLEAR OF IMPERFECTIONS TO RECEIVE NEW PAINT

										ROOM F	INISH SCH	HEDULE				
D0014	FLC	OOR	ВА	ASE										CEILING		
ROOM NUMBER	MAT.	FIN.	MAT.	FIN.	NO	RTH	E/	AST	SOU	TH	WE	WEST MAT.		FIN.	HEIGHT	REMARKS
NOMBER	IVIA I .	I IIV.	IVIA I .	I IIV.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	IVIA I .	i iiv.	TILIGITI	
FIRST FLOOR								_								
103a	EXISTING CONC.	SDCONC	EXIST	PT-3	CMU	PT-3	EXIST	PT-3	EXIST / CMU	PT-3	EXIST / CMU	PT-3	EXIST	GB	MATCH EXISTING	
103b	EXISTING CONC.	PFT-3	EXIST	PFT-3	GWB	PT-3	EXIST	PT-3	EXIST	PT-3	EXIST	PT-3	EXIST	PT-3	2600	
105	EXISTING CONC.	VCT	EXIST	PFT-3	EXIST	PT-3	EXIST	PT-3	EXIST	PT-3	EXIST	PT-3	EXIST	SUSPENDED METAL GRID AND LAY-IN TILE	2600	CUT EXISTING CEILING GRID TO MATCH NEW ROOM PERIMETER.REPLACE DAMAGED CEILING TILES
107	EXISTING CONC.	VCT	EXIST	PFT-3	GWB	PT-3	EXIST	PT-3	EXIST	PT-3	GWB	PT-3	EXIST	SUSPENDED METAL GRID AND LAY-IN TILE	2600	
123	EXISTING CONC.	PFT-3	EXIST	PFT-3	EXIST	PT-3	EXIST	PT-3	EXIST	PT-3	EXIST	PT-3	EXIST	PT-3		
133	EXISTING CONC.	PFT-1	EXIST	CWT-4	EXIST	CWT-1, CWT-3, CWT-4	GWB	CWT-1, CWT-3, CWT-4	EXIST	CWT-1, CWT-3, CWT-4	EXIST	CWT-1, CWT-3, CWT-4	EXIST	SUSPENDED METAL GRID AND LAY-IN TILE	2600	
133a	EXISTING CONC.	PFT-1	EXIST	CWT-4	EXIST	CWT-1, CWT-3, CWT-4	GWB	CWT-1, CWT-3, CWT-4	EXIST	CWT-1, CWT-3, CWT-4	GWB	CWT-1, CWT-3, CWT-4	EXIST	GB	2600	

	ROOM FINISH KEY SCHEDULE								
ABBRV	MATERIAL	COLOUR	FINISH	SIZE	REF	SUPPLIER	NOTES		
CWT-1	CERAMIC WALL TILE	ARCTIC WHITE	MATTE	100mm X 400mm (4"X16")	COLOUR AND DIMENSIONS SERIES	OLYMPIA TILE			
CWT-2	CERAMIC WALL TILE	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	GC TO PROVIDE SAMPLE FOR APPROVAL. TILE ENTIRE WALL AREA AS INDICATED IN DRAWINGS AND IN ROOM FINISH SCHEDULE.		
CWT-3	CERAMIC WALL TILE	TAUPE	MATTE	100mm X 400mm (4"X16")	COLOUR AND DIMENSIONS SERIES	OLYMPIA TILE	ACCENT SHOWER TILE		
CWT-4	CERAMIC WALL TILE	DARK GREY	MATTE	100mm X 400mm (4"X16")	COLOUR AND DIMENSIONS SERIES	OLYMPIA TILE	ACCENT SHOWER TILE		
EWF-1	ENGINEERED WOOD FLOORING	RED OAK	COLORADO COMMERCIAL FINISH	3/8"		MIRAGE			
MAT-1	ANTI FATIGUE MATTING	EC20	SILVER	1000mm X 1800mm (40"X72")		FORBO	REQUEST NON-BEVELED EDGES		
PFT-1	PORCELAIN FLOOR TILE	MICA	MATTE	300mm X 600 mm(12"X24")		D9/EMOTION			
PFT-2	PORCELAIN FLOOR TILE	MID GREY UNGLAZ	MATTE	50mm X 50mm (2"X2")	MEETS DCOF	STONE TILE	SHOWER FLOOR TILE		
PFT-3	PORCELAIN FLOOR TILE	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	GC TO PROVIDE SAMPLE FOR APPROVAL. TILE ENTIRE FLOOR AREA AS INDICATED IN DRAWINGS AND IN ROOM FINISH SCHEDULE.		
PFT-4	PORCELAIN FLOOR TILE	200	SMOOTH(V)	304.8mm X 609.6mm (12"X24")	CORE COLLECTION TERRA	MOSA TILE	WASHROOM FLOORS		
PLAM-1	PLASTIC LAMINATE	NORTH SEA D90	N/A	AS SPECIFIED IN DRAWINGS		WILSONART	CABINET MILWORKS LOWERS		
PLAM-2	PLASTIC LAMINATE	SEA D90	N/A	AS SPECIFIED IN DRAWINGS		WILSONART NORTH	CABINET MILWORKS UPPERS		
PT-1	PAINT	7004 SNOWBOUND	EGGSHELL	N/A		SHERWIN WILLIAMS SW			
PT-2	PAINT	OC-64 PURE WHITE	FLAT	N/A		BENJAMIN MOORE	CEILINGS		
PT-3	PAINT	MATCH EXISTING PAINT	TBD	N/A		BENJAMIN MOORE	GC TO PROVIDE SAMPLE ON 12"X12" CARD FOR APPROVAL. PAINT ENTIRE WALL OR CEILING AS SPECIFIED IN ROOM FINISH SCHEDULE.		
PT-4	PAINT	EBONY SLATE 2118-30	EGGSHELL	N/A		BENJAMIN MOORE			
Q-1	QUARTZ	5151 EMPIRE WHITE	N/A	AS SPECIFIED IN DRAWINGS	SUPERNATURAL COLLECTION	CAESARSTONE	FOR BACKSPLASH AND COUNTERTOPS		
VCT	VINYL COMPOSITE TILE	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING					



2 ELEVATION FROM EXTERIOR - DOOR D101(Etss)
A9001 Scale: 1:20

#### DOOR SCHEDULE GENERAL NOTES

DOOR HEIGHT IS FOR INFO ONLY DOOR HEIGHT TO MATCH EXISTING DOOR HEIGHT AND IS TO BE SITE MEASURED. REFER TO ELECTRICAL DRAWINGS FOR DOOR CARD READER LOCATION ON EXISTING DOORS.

REFER TO DOOR HARDWARE SCHEDULE AND TO THE SPECIFICATIONS FOR A COMPLETE SET OF DOOR HARDWARE.

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Metro Hall Toronto, ON

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DATE

2022-04-27

2022-07-29

2022-08-24

2025-04-11

DESCRIPTION

A 50% SUBMISSION

B 90% SUBMISSION

C ISSUED FOR PERMIT

D ISSUED FOR TENDER

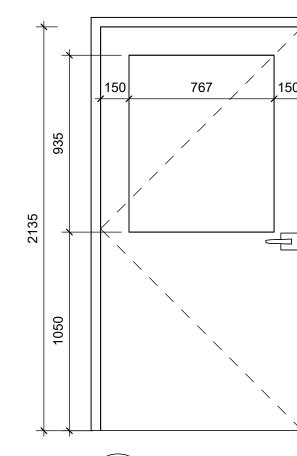
#### DOOR ABBREVIATIONS

*	DENOTES YES
ALUM	ALUMINUM
ANOD	ANODIZED
BFAO	BARRIER-FREE AUTOMATIC OPENER
BFPB	BARRIER-FREE PUSH BUTTON
BFWO	BARRIER-FREE WAVE TO OPEN
CR	CARD READER
EXIST	EXISTING
FBM	FINGER BIOMETRIC
GWG	GEORGIAN WIRE GLASS
HM	HOLLOW METAL
IHM	INSULATED HOLLOW METAL
ITGL	INSULATED TEMPERED (SAFETY) GLASS
KP	KEY PAD
OBM	OCULAR BIOMETRIC
PF	PRE FINISHED
PLAM	PLASTIC LAMINATE
PT	PAINT
SIM	SIMILAR
SS	STAINLESS STEEL
TGL	TEMPERED GLASS
1 1 4 / 5	14/0.00

WOOD

WD

REFER TO SPECIFICATION FOR SPECIAL DOOR DESIGN AND HARDWARE STANDARD



1 DOOR TYPE X
A9001 Scale: 1:20



SEAL

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PROJECT TITLE
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7 11 Cadio CO27 CCCC	
DRAWN BY:	CHECKED BY:
J.SUN	L. BANDIERA
PROJECT MGR:	APPROVED BY:
N. FRISCIC	M. KOTBY
SHEET TITLE	

DOOR AND ROOM FINISH SCHEDULES

G03-141-A9001 ISSUE SHEET NUMBER

Refer to technical drawing D1901 - Typical Toronto Police Service Standards, for signage requirements

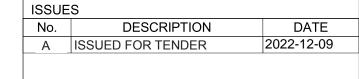
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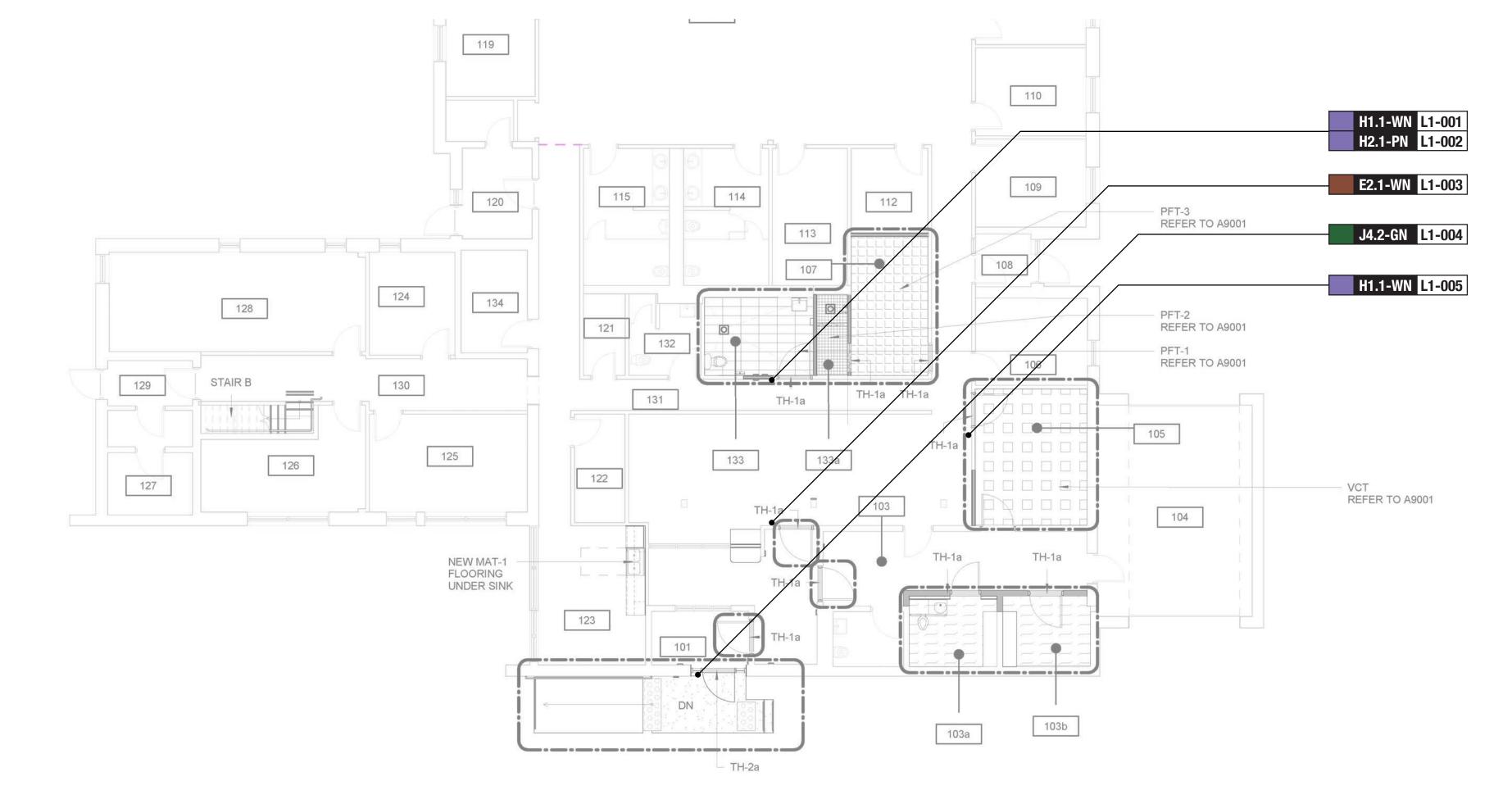
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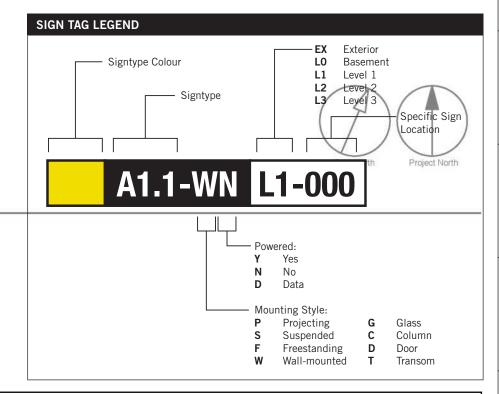
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SIGN TAG LEGEND		
B LX-000 Directional	H LX-000 Amenity	G LX-000 Inside Stair ID
E LX-000 Room ID	J LX-000 Entrance	S LX-000 Stair ID

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PROJECT NO: 9119 – 19 – 0162 / **Arcadis 30279056** 

CHECKED BY: C.D. SCHNOBB DRAWN BY: M.LOW PROJECT MGR: R. DALY APPROVED BY:

SHEET TITLE SIGNAGE & WAYFINDING **DETAILS** LEVEL 1 LOCATION PLAN

SHEET NUMBER

G03-141-A8010

				SIDE A	SIDE B
SIGN CODE	LEVEL	LOC#	SIGN TYPE DESCRIPTION	MESSAGE (English)	MESSAGE (English)
E4	L1	001	Insert Holder		
E4	L1	004	Insert Holder		
E2.1	L1	005	Room ID	Storage	
Ε4	1.4	006	Incort Holdon	Braille	
E4 E2.1	L1 L1	006 007	Insert Holder Room ID	Meeting Area	
L2. I		007	ROOHTID	Braille	
E2.1	L1	008	Room ID	Meeting Area Braille	
J4.2	L1	009	Accessible Entrance ID - Exterior	[accessible picto] Entrance E Braille	
J4.2	L1	010	Accessible Entrance ID - Exterior	[accessible picto] Entrance C Braille	
J4.2	L1	011	Accessible Entrance ID - Exterior	[accessible picto] Entrance D Braille	
H1.1	L1	012	Amenity ID	[accessible men change room picto] Men Braille	
H1.1	L1	013	Amenity ID	[accessible men change room picto] Men Braille	
H1.1	L1	014	Amenity ID	[accessible universal washroom picto] Washroom Braille	
H2.1	L1	015	Projecting Amenity ID	[accessible universal washroom picto] Washroom	[accessible universal washroom picto] Washroom
J4.2	L1	016	Accessible Entrance ID - Exterior	[accessible picto] Entrance A Braille	
J4.2	L1	017	Accessible Entrance ID - Exterior	[accessible picto] Entrance B Braille	
H1.1	L1	018	Amenity ID	[accessible women change room picto] Women Braille	
H2.1	L1	019	Projecting Amenity ID	[accessible women change room picto] Women	[accessible women change room picto] Women
E2.1	L1	020	Room ID	Meeting Room Braille	
E2.1	L1	023	Room ID	Break Room Braille	
E2.1	L1	024	Room ID	Kitchen Braille	
E4	L1	034	Insert Holder		
					1

SIGN TYPE	SIGN TYPE DESCRIPTION	COUNT
B1.1	Directional	0
E2.1	Room ID	6
E2.2	Line Room ID	0
E4	Insert Holder	4
H1.1	Amenity ID	4
H2.1	Projecting Amenity ID	2
J4.2	Accessible Entrance ID - Exterior	5
S1.1	Stair ID - Inside Stairwell	0
S1.2	Stair ID - Corridor Side	0
S1.3	Stair ID - Roof Exit, Inside Stairwell	0
S1.4	Stair ID - Exterior Door	0
Total		21

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PROJECT NO: 9119 – 19 – 0162 /Arcadis 30279056

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SHEET TITLE
SIGNAGE & WAYFINDING DETAILS MESSAGE SCHEDULE

SHEET NUMBER G03-114-A8100

ISSUE

	Sheet List			
Sheet				
Number	Sheet Name			
06 - Structural				
S0001	DRAWING LIST			
S1201	SITE PLAN			
S2501	FIRST FLOOR PLAN			
S5600	PLANS, SECTION - RAMPS			
S5900	NEW WASHROOM PLAN			
S5901	STRUCTURAL DETAILS			

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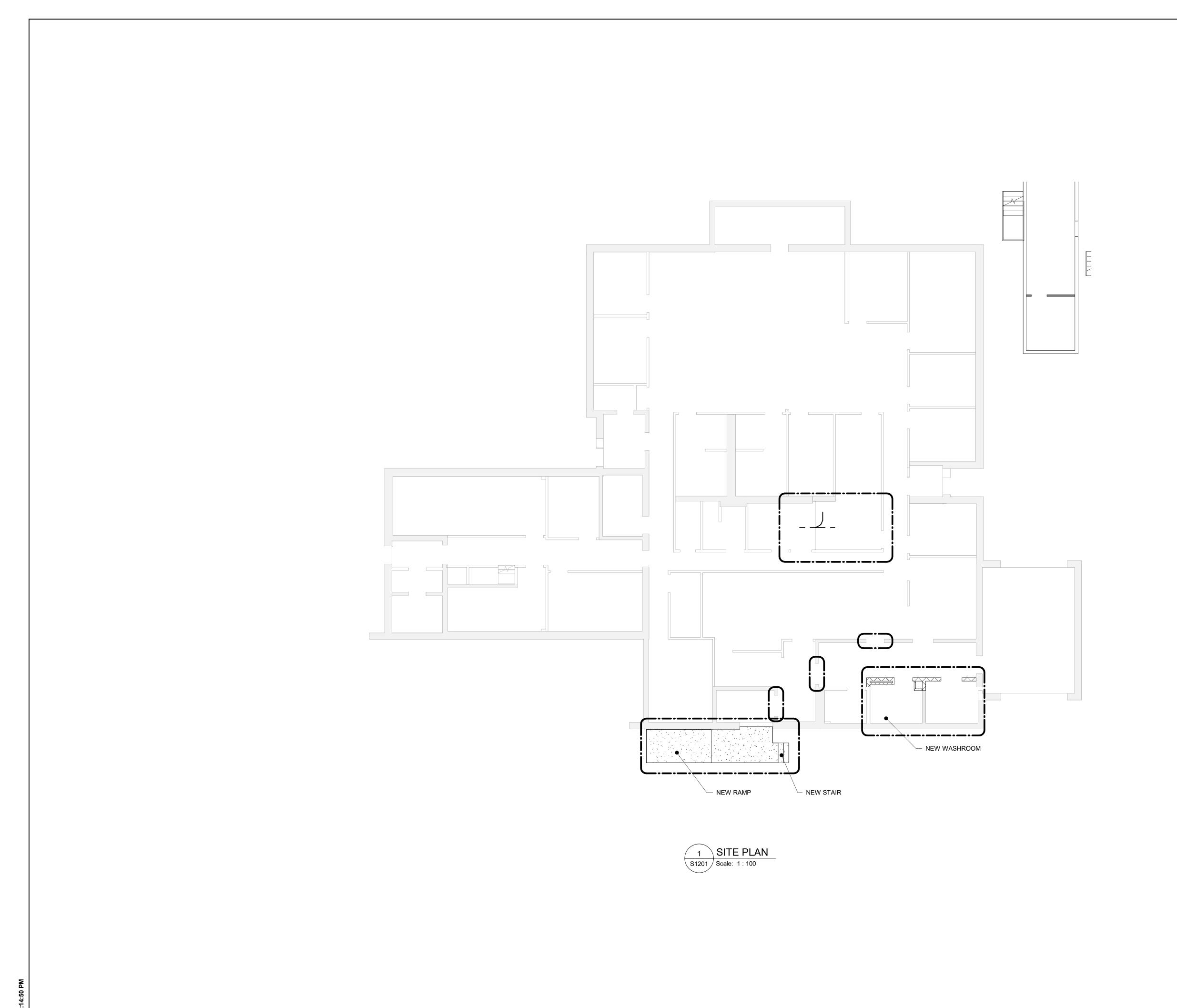
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CHECKED BY: M. FAYAZI PROJECT MGR: N. FRISCIC APPROVED BY: **K. ANGER** 

SHEET TITLE

DRAWING LIST

ISSUE SHEET NUMBER G03-141-S0001



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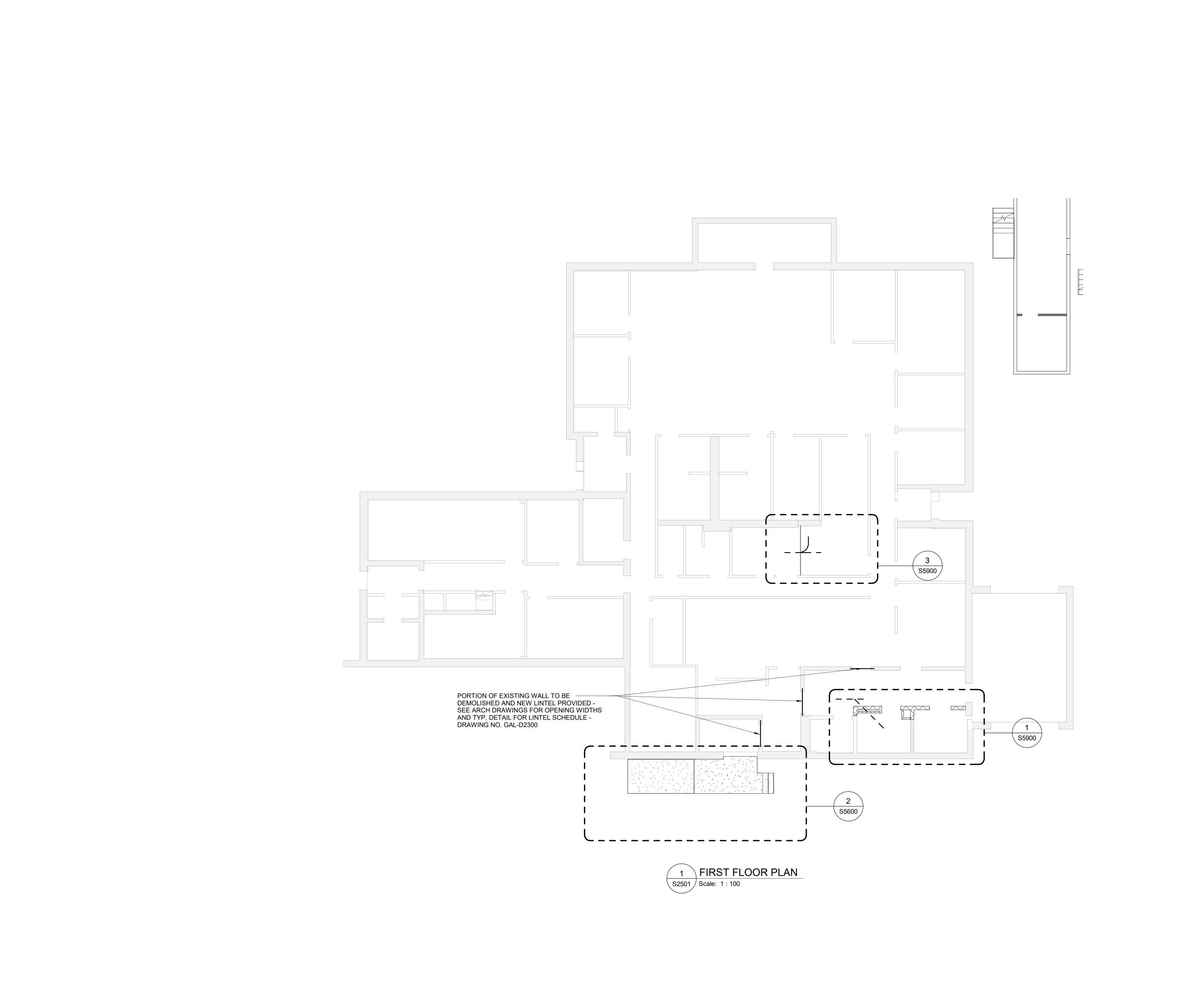
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PROJECT MGR:	APPROVED BY:
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SITE PLAN

G03-141-S1201 ISSUE



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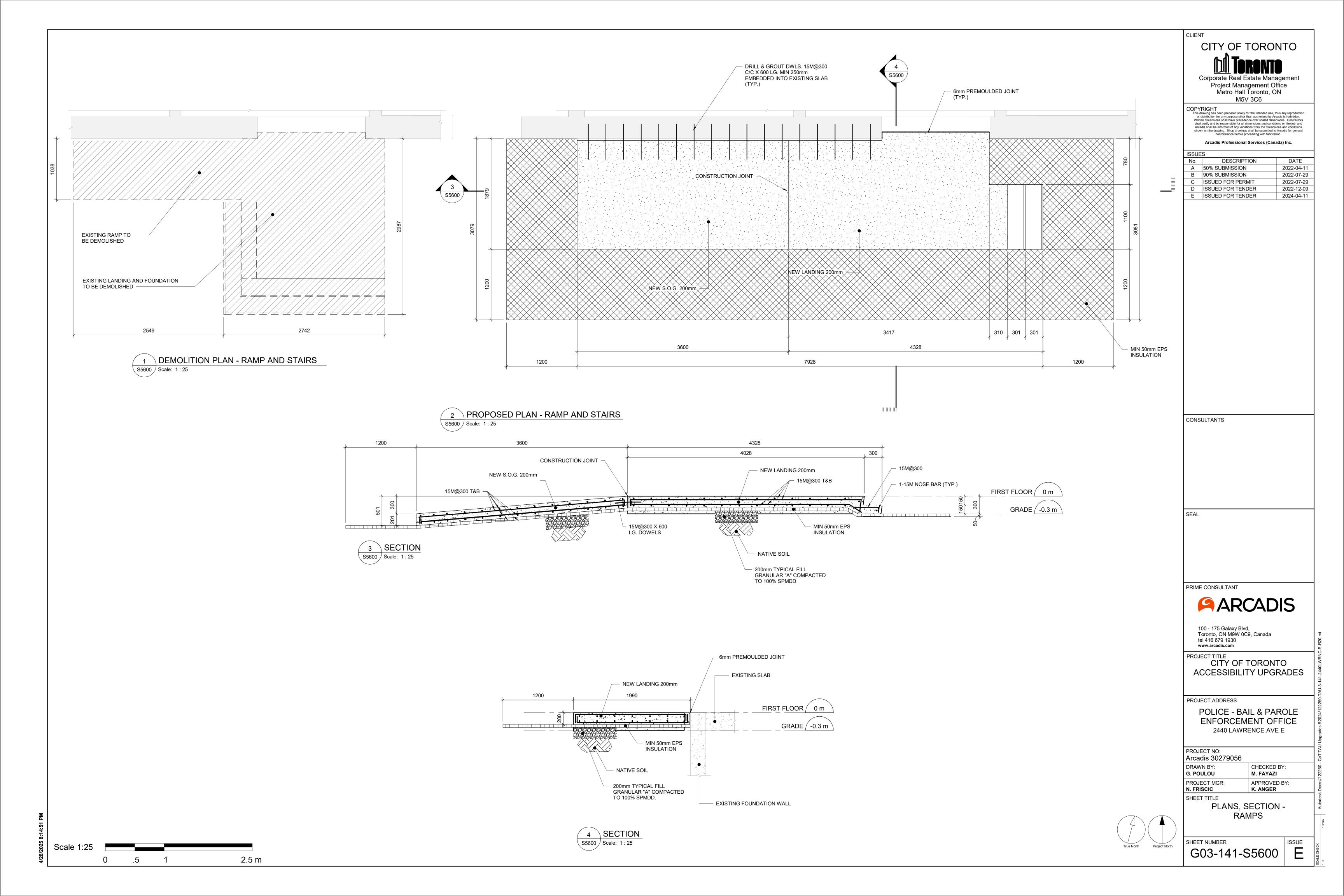
PROJECT NO: Arcadis 302790

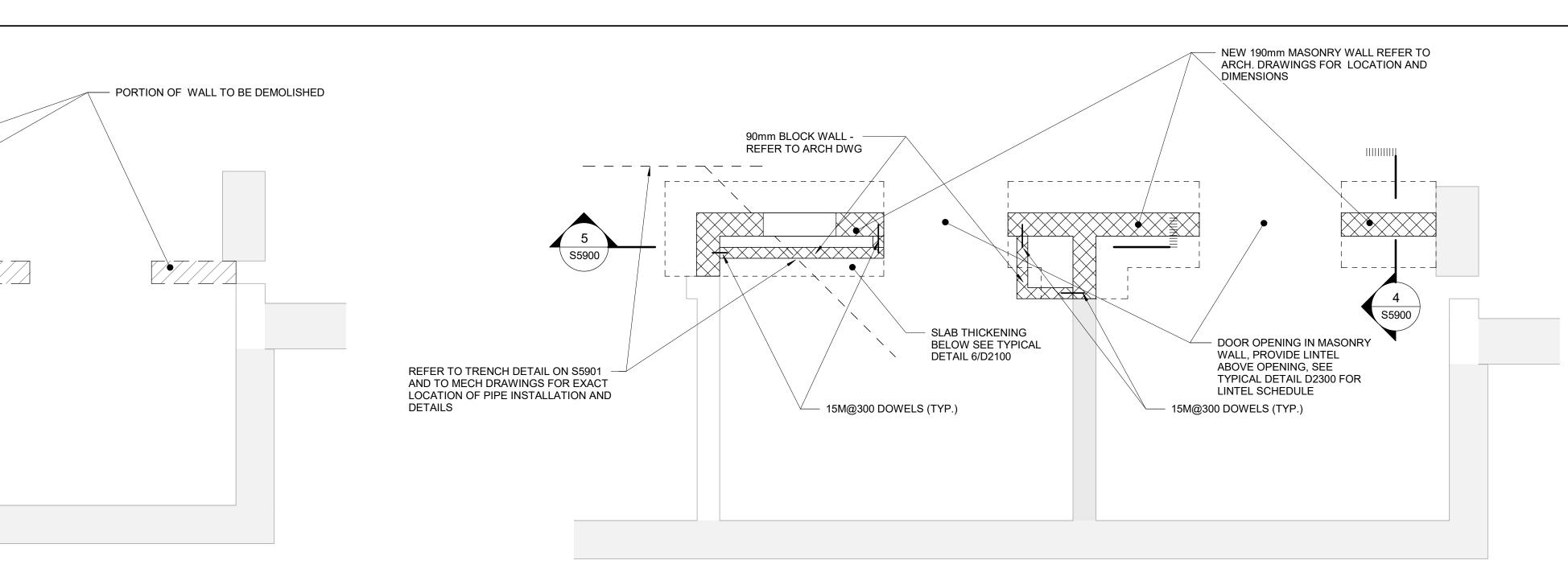
DRAWN BY:	CHECKED BY:
G. POULOU	M. FAYAZI
PROJECT MGR:	APPROVED BY:
N. FRISCIC	K. ANGER
	G. POULOU

FIRST FLOOR PLAN

ISSUE

SHEET NUMBER G03-141-S2501





NEW WASHROOM - PROPOSED PLAN

S5900 / Scale: 1 : 25

NEW WASHROOM - DEMOLITION PLAN S5900 / Scale: 1 : 25

NOTE:

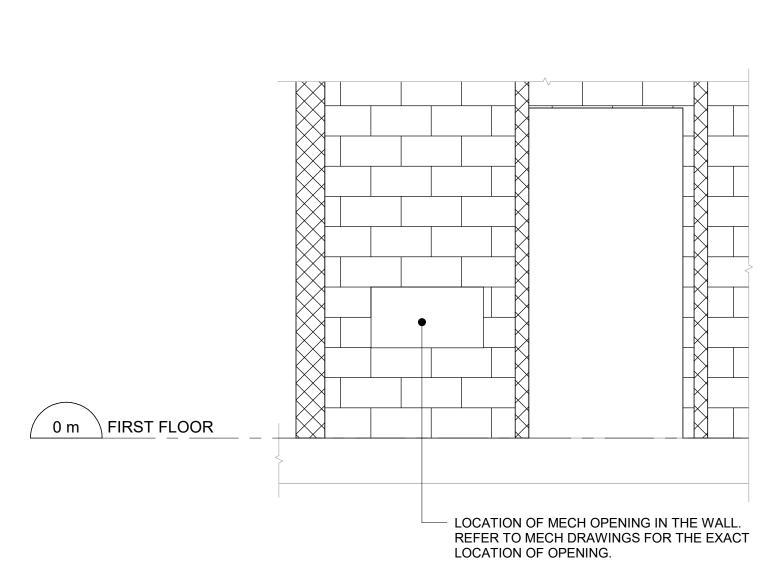
1. CONTRACTOR TO PROVIDE TEMPORARY SHORING TO SUPPORT EXISTING JOISTS DURING CONSTRUCTION UNTIL NEW WALL IS COMPLETELY BUILT.

2. CONTRACTOR TO CONFIRM HIGHLIGHTED WALLS TO BE DEMOLISHED ARE NOT LOAD BEARING AND NOTIFY IBI IN ANY DIFFERING CASE PRIOR TO ANY CONSTRUCTION.

> PLEASE REFER TO TRENCH DETAIL ON S5901 AND TO MECH DRAWINGS

FOR EXACT LOCATION PIPE

INSTALLATION AND DETAILS



BARRIER FREE WASHROOM WALL ELEVATION S5900 / Scale: 1 : 25

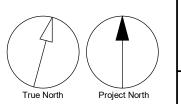
STEEL DECK-STEEL DECK PROVIDE 18 GA CLOSURE ALL ARROUND TO BE VERIFIED ON SITE SERVER ROOM 2.569 m MEZZANINE 100mmx20mm CONTINUOUS PLATE WITH 19mm ANCHOR BOLT W/ 50mm HOOK (MIN 300mm EMBEDMENT) @600mm SPACING PROVIDE 50mm MIN BEARING FOR DECK - 2 COURSE CONTINOUS BOND BEAM WITH 2-15M REINF T & B 190 BLOCK WALL 0 m FIRST FLOOR PROVIDE NEW SLAB
THICKENING BELOW NEW PARTITION BLOCK WALLS, SEE DETAIL 6/D2100

			BLOCK WALL SC	HEDULE
MARK	WALL TYPE	VERT. REINFORCING	HORIZ. REINFORCING	REMARKS
W	190mm	15M@ 600 C/C	10M@600	WALL TO BE GROUTED AT REINFORCED CELLS.     WALL TO BE DOUBLE-WYTHE WITH GROUTED COLLAR JOINT

4 SECTION

S5900 | Scale: 1:25

- WALL TO BE FULLY GROUTED AND REINFORCED AROUND THE OPENING 15M@600 BY TWO COURSE



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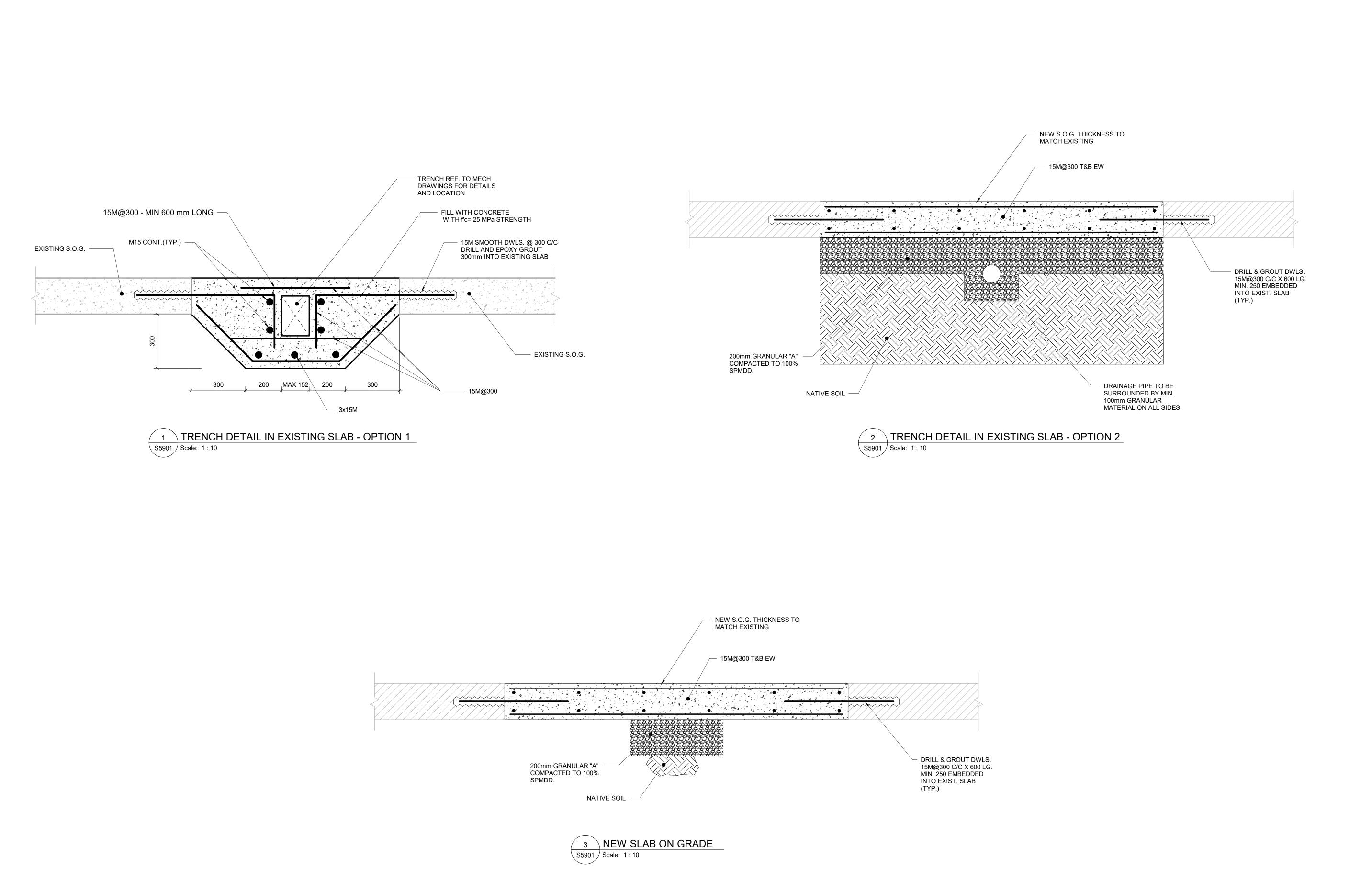
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PROJECT MGR:	APPROVED BY:
N. FRISCIC	K. ANGER

SHEET TITLE NEW WASHROOM PLAN

SHEET NUMBER G03-141-S5900 E

S5900 Scale: 1:25

3 WASHROOM MODIFICATION - PROPOSED PLAN



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CHECKED BY: DRAWN BY: G. POULOU M. FAYAZI PROJECT MGR APPROVED BY: N. FRISCIC K. ANGER

SHEET TITLE STRUCTURAL DETAILS

SHEET NUMBER

G03-141-S5901

MECHANICAL DRAWING LIST		
Sheet Number	Sheet Name	
M0001	MECHANICAL DRAWING LIST	
M0201	MECHANICAL SCHEDULE	
M1101	DEMOLITION PLAN - GROUND FLOOR	
M2101	PLUMBING - GROUND FLOOR	
M3101	DRAINAGE - GROUND FLOOR	
M5101	HVAC - GROUND FLOOR	

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PROJECT NO: Arcadis 30279056

DRAWN BY: S. SHARMA CHECKED BY: S. LIU PROJECT MGR: **F. BOLOURIAN** APPROVED BY: B. LIAO

SHEET TITLE

MECHANICAL DRAWING LIST

SHEET NUMBER G03-141-M0001 D

	EXHAUST FAN SCHEDULE								
					FAN		МОТО	)R	
TAG NO.	SERVICE	MANUFACTURER/ MODEL NO.	CAPACITY (LPS	S) S.P. (Pa)	TYPE	HP	RPM	V/Ph/Hz	NOTES
EF-01	ROOM 133A	GREENHECK SP-B150	47	99	CEILING FAN DIRECT DRIVE	0.03	767	115/1/60	CONTROLLED BY LIGHTING SWTICH, C/W GRILLE, BACKDRAFTER DAMPER, ROUND DUCT CONNECTOR, HANGING KIT, DISCONNECT SWITCH
EF-02	ROOM 103A	GREENHECK SP-B150	47	99	CEILING FAN DIRECT DRIVE	0.03	767	115/1/60	CONTROLLED BY MANUAL SWTICH, C/W GRILLE, BACKDRAFTER DAMPER, ROUND DUCT CONNECTOR, HANGING KIT, DISCONNECT SWITCH

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PROJECT ADDRESS

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PROJECT NO: Arcadis 30279056

DRAWN BY: S. SHARMA CHECKED BY: B.LIAO APPROVED BY: S.LIU PROJECT MGR: F. BOLOURIAN

SHEET TITLE MECHANICAL SCHEDULE

SHEET NUMBER G03-141-M0201 D

**GENERAL NOTES:** 

CONTRACTOR TO VERIFY SITE CONDITION.
REMOVE AND CAP EXISTING SERVICES AS SHOWN ON THE DRAWING.
ALL EXISTING SERVICES SHALL REMAIN UNLESS OTHERWISE NOTED.

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PROJECT NO: Arcadis 30279056	
DRAWN BY: <b>S. SHARMA</b>	CHECKED BY: S. LIU
PROJECT MGR: F. BOLOURIAN	APPROVED BY: <b>B. LIAO</b>

**DEMOLITION PLAN -GROUND FLOOR** 

G03-141-M1101 D

SHEET NUMBER

INSULATE DCW AND DHW PIPES UNDER -LAV. REFER TO SPECIFICATIONS FOR DETAILS (TYP. 4) RELOCATED TRAP SEAL PRIMER TO CONCEAL IN WALL, CONNECT BACK TO EXISTING INCOMING LINE, RUN NEW PIPING INSIDE WALL AND RE-CONNECT TO EXISTING TRAP SEAL FEEDING LINES, MAKE GOOD FINISH, CONTRACTOR SHALL VERIFY EXACT PIPING LAYOUT AND COORDINATE ON SITE TO DETERMINE EXACT INSTALLATION LOCATION PROVIDE NEW LAV AND MODIFY EXISTING DCW & DHW LINES TO SUIT NEW LAV INSTALLATION REQUIREMENT PROVIDE 13Ø DCW & DHW LINES TO SERVE -PROPOSED SHOWER, CONNECT TO EXISTING WASHROOM SUPPLY MAIN LINE NEARBY, CONTRACTOR TO VERIFY EXACT LOCATION ON SITE PROVIDE NEW WC AND MODIFY EXISTING DCW LINE -TO SUIT NEW WC INSTALLATION REQUIREMENT PROVIDE NEW SHOWER AND CONNECT NEW 13Ø-DCW AND 13Ø-DHW LINES TO NEW SHOWERHEAD 25ø-DCW——▶ 20ø-DHW-ASSUMED LOCATION OF EXISTING DCW & DHW MAIN LINES IN CORRIDOR CEILING, CONTRACTOR SHALL VERIFY EXACT LOCATION AND SIZE ON SITE. PROVIDE NEW 25Ø DCW & 20Ø DHW BRANCH LINES TO SERVE PROPOSED WASHROOM C/W SHUT-OFF VALVES PROVIDE NEW SINK AND MODIFY EXISTING DCW & DHW LINES TO SUIT NEW SINK INSTALLATION REQUIREMENT CONNECT NEW 25Ø-DCW AND 13Ø-DHW TO NEW

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2440 LAWRENCE AVE E

PROJECT NO:

Arcadis 30279056 DRAWN BY: CHECKED BY: S. SHARMA S. LIU PROJECT MGR: APPROVED BY: B. LIAO F. BOLOURIAN

SHEET TITLE

PLUMBING - GROUND FLOOR

SHEET NUMBER G03-141-M2101 D

REFER TO SPECIFICATIONS FOR PLUMBING FIXTURE UNIT TYPES. ALL NEW FIXTURES TO BE FITTED WITH ISOLATION VALVES.

REFER TO SPECIFICATIONS FOR PLUMBING FIXTURE UNIT TYPES.

PROVIDE FIRE STOP FOR ALL PIPE PENETRATIONS THROUGH FIRE SEPERATIONS.

6. ALL UNDERGROUND SANITARY PIPING SHALL BE MINIMUM 75mmØ UNLESS OTHERWISE NOTED.

ALL NEW FLOOR DRAINS SHALL BE C/W P-TRAP AND PRIMER.

PROVIDE SANITARY VENT FOR EACH NEW PLUMBING FIXTURE AND CONNECT TO EXISTING SANITARY VENT MAIN. PROVIDE P-TRAP FOR EACH PLUMBING FIXTURE AS PER OBC.

CLIENT

# CITY OF TORONTO

Corporate Real Estate Management Project Management Office Metro Hall Toronto, ON M5V 3C6

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Arcadis Professional Services (Canada) Inc.

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No.	DESCRIPTION	DATE
Α	50% SUBMISSION	2022-04-11
В	90% SUBMISSION	2022-07-29
С	ISSUED FOR PERMIT	2022-07-29
D	ISSUED FOR TENDER	2025-04-18

CONSULTANTS

PRIME CONSULTANT



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PROJECT TITLE CITY OF TORONTO

2440 LAWRENCE AVE E

PROJECT NO:	
Arcadis 30279056	
DRAWN BY:	CHE

IECKED BY: S. SHARMA S. LIU PROJECT MGR: APPROVED BY:

SHEET TITLE

DRAINAGE - GROUND

SHEET NUMBER G03-141-M3101 D

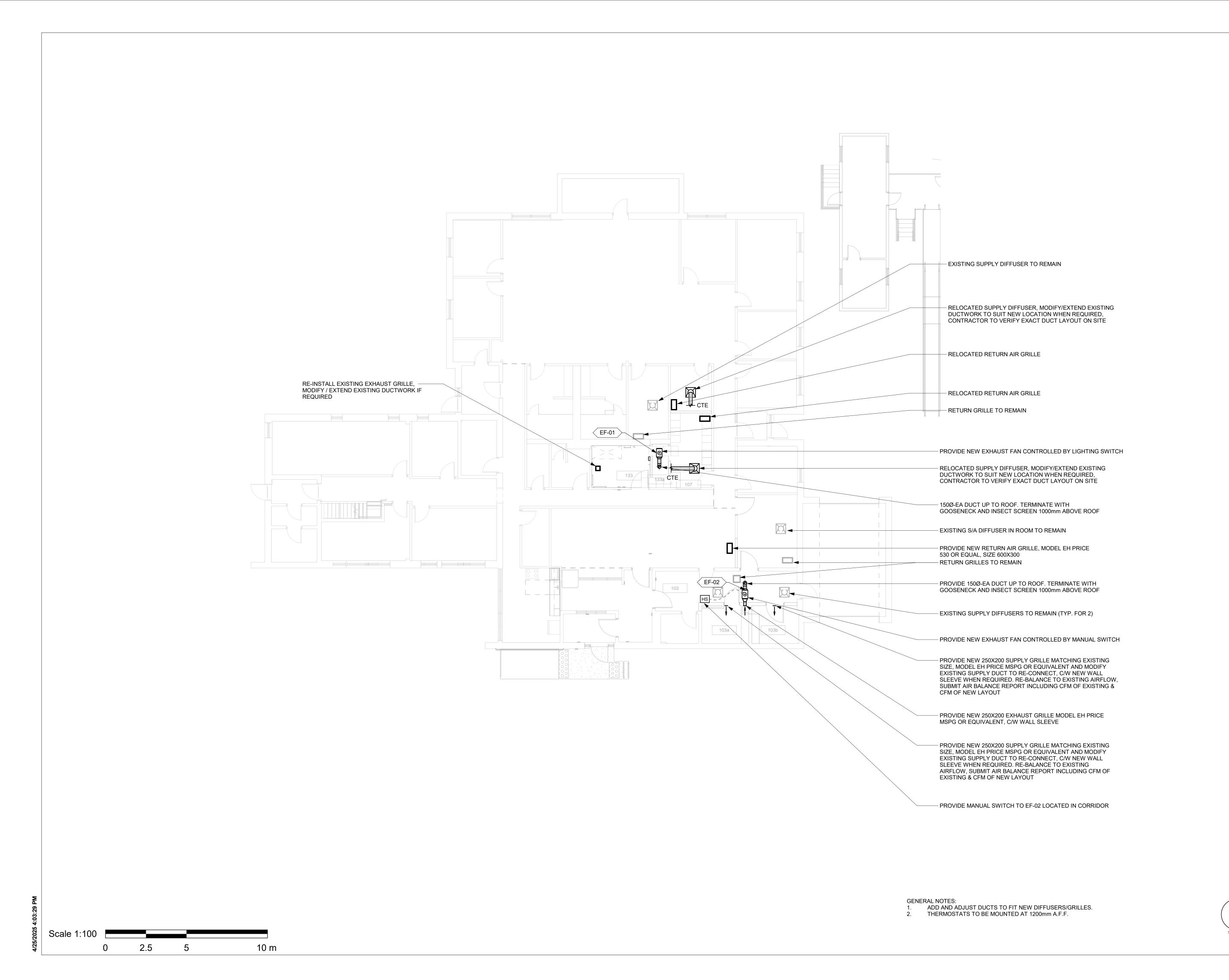
100 - 175 Galaxy Blvd, Toronto, ON M9W 0C9, Canada tel 416 679 1930

ACCESSIBILITY UPGRADES

PROJECT ADDRESS

F. BOLOURIAN B. LIAO

FLOOR



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D ISSUED FOR TENDER

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2025-04-18

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PROJECT TITLE CITY OF TORONTO ACCESSIBILITY UPGRADES

PROJECT ADDRESS

2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056

Al Cadis 5021 5000	
DRAWN BY:	CHECKED BY:
S. SHARMA	S. LIU
PROJECT MGR:	APPROVED BY:
F. BOLOURIAN	B. LIAO

F. BOLOURIAN SHEET TITLE

HVAC - GROUND FLOOR

SHEET NUMBER G03-141-M5101 D

ELECTRICAL DRAWING LIST		
Sheet Number	Sheet Name	
E0000	DRAWING LIST	
E1101	ELECTRICAL DEMOLITION PLAN 1ST FLOOR	
E2101	POWER & SYSTEMS PLAN 1ST FLOOR	

## CITY OF TORONTO

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PROJECT ADDRESS

POLICE - BAIL & PAROLE ENFORCEMENT OFFICE 2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056

DRAWN BY: M.BOJIC CHECKED BY: P. WILLIAMS APPROVED BY: P. WILLIAMS PROJECT MGR:

SHEET TITLE

DRAWING LIST

SHEET NUMBER
G03-141-E0000

ISSUE

- DISCONNECT AND REMOVE POWER OUTLETS, EXIT SIGNS, LIGHTS, OCCUPANCY SENSORS, AND LIGHT SWITCHES, AS NOTED ON ELECTRICAL DEMOLITION PLAN. REMOVE WIRING AND CONDUIT. PULL BACK WIRING TO NEAREST JUNCTION BOX, AND COIL UP. MAKE SAFE. EXISTING WIRING AND CIRCUIT TO BE REUSED, UNLESS OTHERWISE NOTED.
- DISCONNECT AND REMOVE DATA OUTLETS AS NOTED ON ELECTRICAL DEMOLITION PLAN. REMOVE WIRING AND CONDUIT. PULL BACK WIRING TO AVOID IMPACT OF CONSTRUCTION, AND COIL UP. MAKE SAFE. EXISTING WIRING TO BE REUSED, UNLESS OTHERWISE NOTED.
- DISCONNECT AND REMOVE PULL STATIONS, HEAT DETECTORS, AND STROBE DETECTORS AS NOTED ON ELECTRICAL DEMOLITION PLAN. REMOVE WIRING AND CONDUIT. PULL BACK WIRING TO AVOID IMPACT OF CONSTRUCTION, AND COIL UP. MAKE SAFE. EXISTING DEVICE AND EXISTING CONNECTIONS TO BE REUSED, UNLESS OTHERWISE NOTED.
- DISCONNECT AND REMOVE CARD READERS AS NOTED ON ELECTRICAL DEMOLITION PLAN. REMOVE WIRING AND CONDUIT. PULL BACK WIRING TO AVOID IMPACT OF CONSTRUCTION, AND COIL UP. MAKE SAFE. EXISTING DEVICE AND EXISTING CONNECTIONS TO BE REUSED, UNLESS OTHERWISE NOTED. COORDINATE WITH TPS SECURITY BEFORE DISCONNECTING AND RELOCATING SECURITY DEVICES. ONBOARD SECURITY CONSULTANT AT THE BEGINNING OF CONSTRUCTION. DISCONNECT AND DECOMISSION EXISTING MAGNETIC LOCKS DUE TO DOOR REPLACEMENT. INTENT IS TO RE-INSTALL AND RE-CONNECT TO EXISTING SECURITY CONNECTIONS AND FIRE ALARM. PREPARE WIRING TO SUIT. 12 EXIT SIGNS TO BE REPLACED

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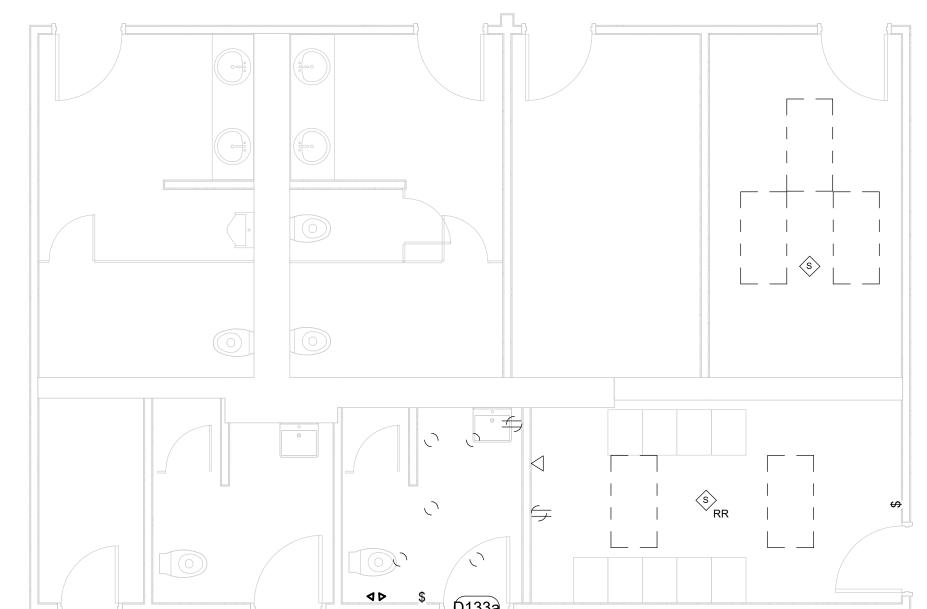
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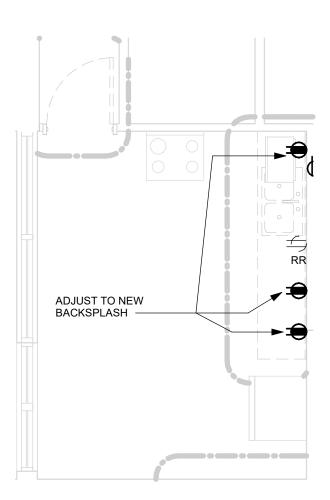
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DESCRIPTION DATE A 50% SUBMISSION 2022-04-11 B 90% SUBMISSION 2022-07-29 C PERMIT 2022-07-29 D 100% SUBMISSION 2022-11-11 E TENDER 2025-04-11



POWER AND SYSTEMS DEMOLITION PLAN 1ST FLOOR - WASHROOMS E1101 Scale: 1:50



3 POWER AND SYSTEMS DEMOLITION PLAN 1ST FLOOR - KITCHENETTE E1101 | Scale: 1:50

RR D106 EXISTING ELECTRICAL PANELS \ E1101

(D101b) M/L

- EXISTING CAMERA TO BE RELOCATED

PDO ()101a

E1101 /

POWER AND SYSTEMS DEMOLITION PLAN 1ST FLOOR E1101 / Scale: 1:100

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PROJECT TITLE
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PROJECT ADDRESS

POLICE - BAIL & PAROLE ENFORCEMENT OFFICE 2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056

DRAWN BY: A. FEDIW PROJECT MGR:

SHEET TITLE

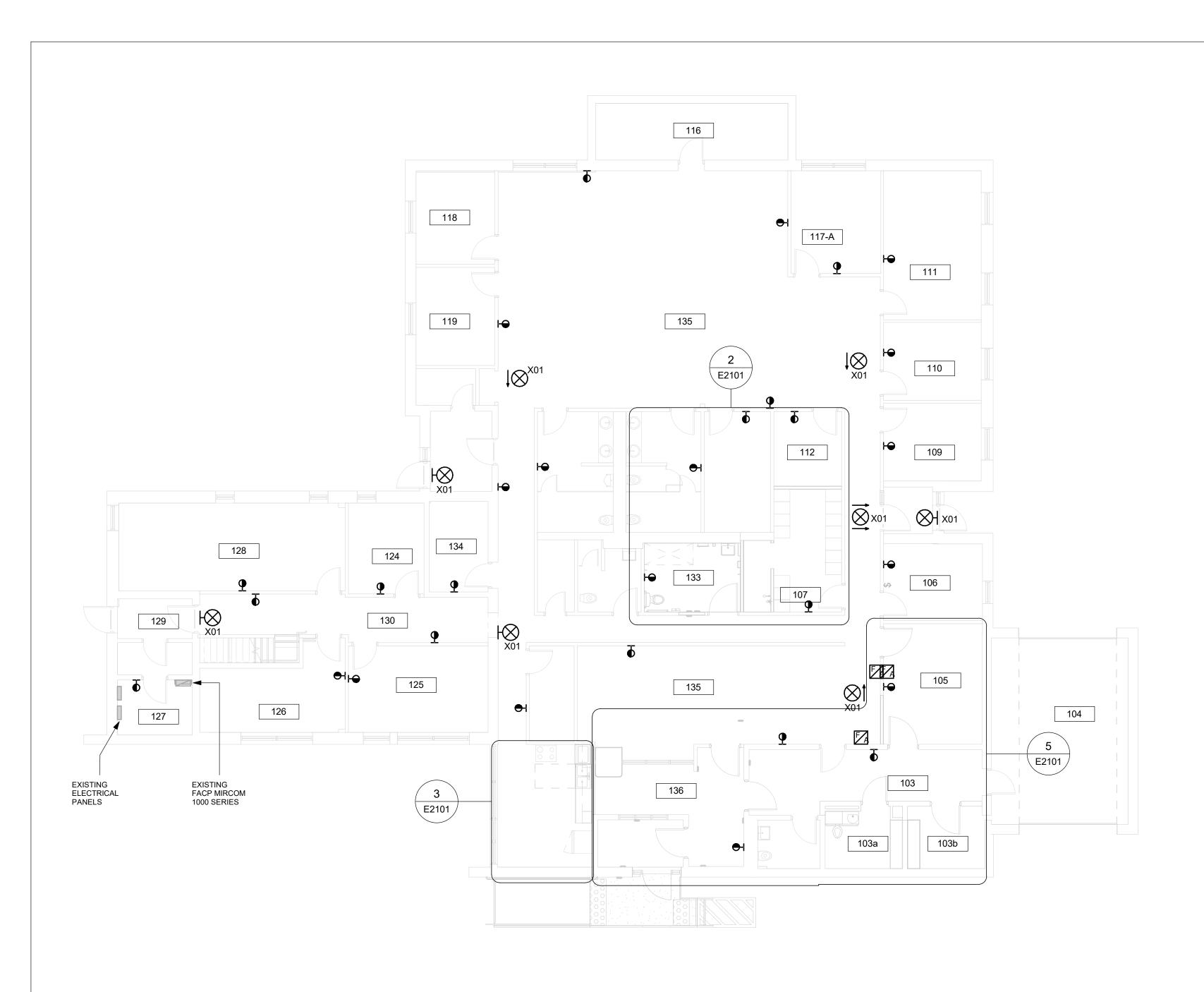
**ELECTRICAL DEMOLITION PLAN 1ST** FLOOR

SHEET NUMBER

G03-141-E1101

CHECKED BY: M. BOJIC

APPROVED BY: **P. WILLIAMS** 



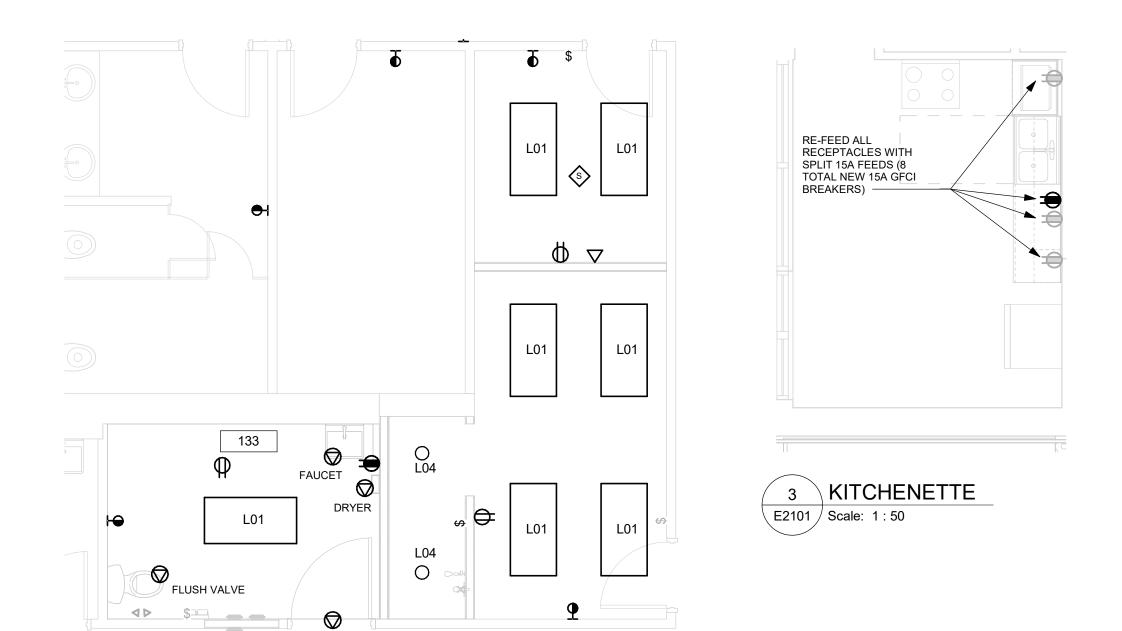
POWER & SYSTEM PLAN 1ST FLOOR

、**⋭**2101 / Scale: 1 : 100

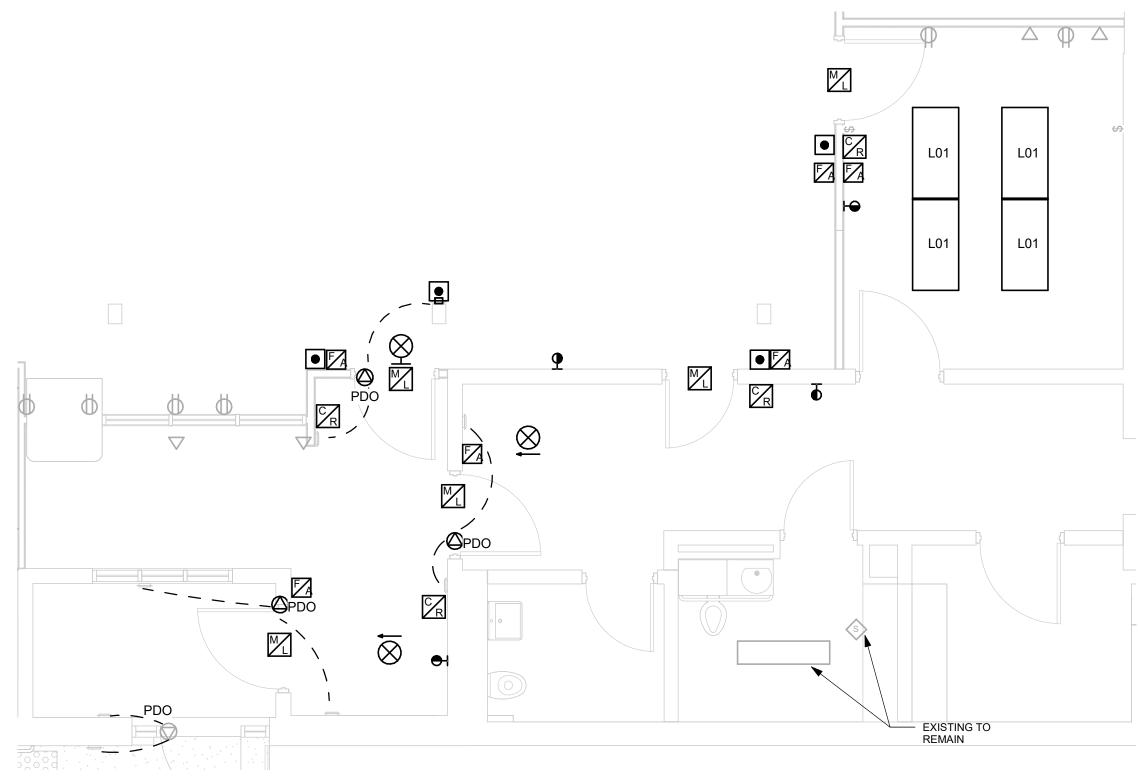
CIRCUIT NUMBERS SHOWN FOR GROUPING PURPOSES ONLY. ALLOCATE CIRCUITS TO EXISTING PANELS AS SPACE ALLOWS. ADD NEW CIRCUIT BREAKERS AS REQUIRED ASSUME 15A, 120V CIRCUIT BREAKER UNLESS

- OTHERWISE NOTED. UPDATE PANEL SCHEDULE WITH NEW LOADS. SUBMIT NEW PANEL SCHEDULE AS SHOP DRAWING. CONNECT NEW AND/OR RELOCATED LUMINAIRES TO EXISTING LOCAL LIGHTING CIRCUIT, UNLESS OTHERWISE NOTED.
- CONNECT NEW POWER RECEPTACLES TO EXISTING LOCAL RECEPTACLE CIRCUIT, UNLESS OTHERWISE NOTED. EXTEND WIRING AND CONDUITS AS NEEDED. MOUNT POWER OUTLETS ACCORDING TO MOUNTING
- CONNECT DATA OUTLETS TO EXISTING SOURCE, UNLESS OTHERWISE NOTED. PULL NEW WIRING FROM SOURCE. MOUNT DATA OUTLETS ACCORDING TO MOUNTING HEIGHTS SCHEDULE ON SHEET GAL-G4003.
- REFER TO ARCHITECTURAL PACKAGE FOR EXACT LOCATIONS OF BARRIER-FREE PUSH BUTTONS. CONNECT TO PDO ON RESPECTIVE DOOR.
- MOUNT NEW AND/OR RELOCATED LIGHT SWITCHES ACCORDING TO MOUNTING HEIGHTS SCHEDULE ON SHEET GAL-G4003. CONNECT TO EXISTING LIGHTING CIRCUIT VIA EXISTING WIRING AND CONDUITS. EXTEND WIRING AND CONDUITS AS NEEDED.
- PROVIDE NEW EXIT SIGNS (LUMINAIRE TYPE X01 AS SPECIFIED IN LUMINAIRE SCHEDULE). USE EXISTING WIRING FROM REMOVED EXIT SIGNS, AND CONNECT TO EXISTING CIRCUITS.
- VERIFY FIRE ALARM SYSTEM IN ACCORDANCE WITH ULC-S537.
- IN AREAS WHERE NEW RECEPTACLES ARE PROVIDED, UPDATE THE FACEPLATE OF EXISTING RECEPTACLES TO MATCH.
- SEE ARCHITECTURAL PLAN FOR ENLARGED PLAN, ELEVATIONS, AND NEW MILLWORK DETAILS FOR UPDATED KITCHENS, KITCHENETTES, FRONT VESTIBULE, AND RECEPTION AREAS. REFER TO DETAILS D1301 AND D1302
- MOUNT DOORBELL AT 1050mm AFF FROM CENTER OF DEVICE. CONNECT TO EXISTING CIRCUIT. EXTEND WIRING AND CONDUITS AS NEEDED, THROUGH PEDESTAL. REFER TO ARCHITECTURAL SHEET A3011 DETAIL 2 FOR PLACEMENT OF PEDESTAL, AND REFER TO STRUCTURAL PACKAGE FOR TYPICAL DETAIL OF PENETRATION.

12 EXIT SIGNS TO BE REPLACED



2 STAFF WASHROOMS 



5 POWER & SYSTEM PLAN 1ST FLOOR - RECEPTION AND HOLDING AREA



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PROJECT TITLE CITY OF TORONTO **ACCESSIBILITY UPGRADES** 

PROJECT ADDRESS

POLICE - BAIL & PAROLE ENFORCEMENT OFFICE 2440 LAWRENCE AVE E

PROJECT NO:

Arcadis 30279056 DRAWN BY: CHECKED BY: M.BOJIC P. WILLIAMS PROJECT MGR: APPROVED BY: P. WILLIAMS

SHEET TITLE POWER & SYSTEMS PLAN 1ST FLOOR

SHEET NUMBER G03-141-E2101