

CITY OF TORONTO

ACCESSIBILITY UPGRADES

GROUP 29

9119- 19- 0162 / IBI 122260

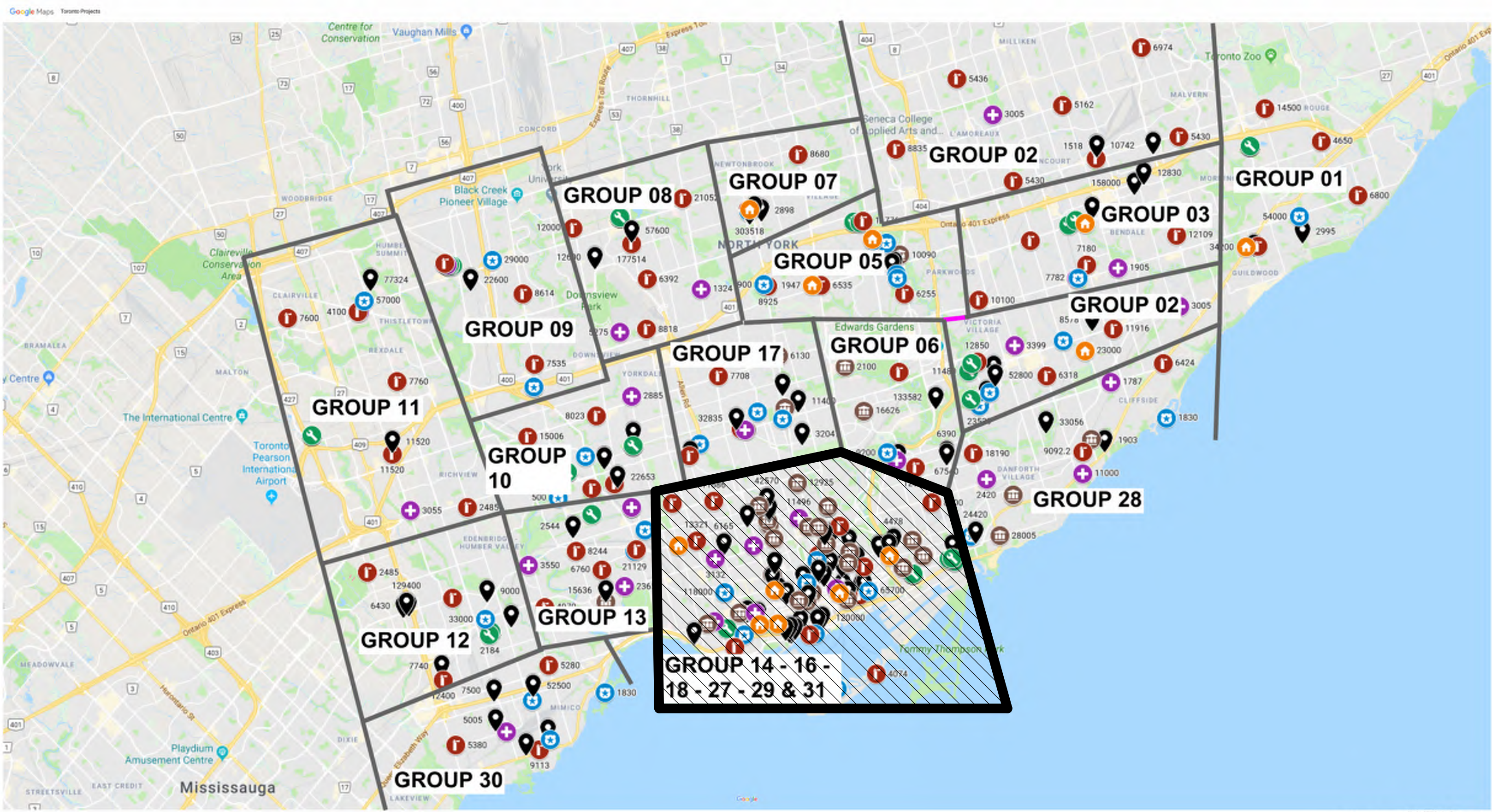


IMAGE SOURCES: GOOGLE MAPS

COVER PAGE GROUP 29	
SHEET #	SHEET TITLE
G29-GAL-G1001	COVER PAGE, GENERAL DRAWING LIST, BUILDING LIST

GENERAL LAYOUTS GROUP 29	
SHEET #	SHEET TITLE
G29-GAL-G1002	ARCHITECTURAL GENERAL NOTES, ABBREVIATIONS & REFERENCE SYMBOLS
G29-GAL-G1003	WALL TYPES
G29-GAL-G1004	DOOR TYPES
G29-GAL-G2001	STRUCTURAL GENERAL NOTES
G29-GAL-G2002	ABBREVIATIONS & SYMBOLES
G29-GAL-G3001	MECHANICAL LEGEND SHEET 1 OF 2
G29-GAL-G3002	MECHANICAL LEGEND SHEET 2 OF 2
G29-GAL-G4001	ELECTRICAL LEGEND SHEET 1 OF 2
G29-GAL-G4002	ELECTRICAL LEGEND SHEET 2 OF 2
G29-GAL-G4003	ELECTRICAL GENERAL NOTES

GROUP 29 BUILDING INDEX		
SERIAL #	BUILDING ADDRESS	BUILDING DESCRIPTION
91	164 SPADINA RD	DETACHED DWELLING
104	191 SPADINA RD	COMMUNITY HOSTEL
152	255 SPADINA RD	OFFICE - METRO ARCHIVES & RECORDS CENTER
283	674 MARKHAM ST	TORONTO EMS STATION 34
310	843 PALMERSTON AVE	ST. ALBANS BOYS & GIRLS CLUB

TOUCH AND FEEL BOOKLET

TYPICAL DETAILS BOOKLET

CITY OF TORONTO



55 John ST.
TORONTO, ON
M5V 3C6

ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-05-27
B	90% SUBMISSION	2021-09-07
C	ISSUED FOR PERMIT	2021-09-10
D	ISSUED FOR TENDER	2022-02-16



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PROJECT NO:
9119- 19- 0162 / IBI 122260

DATE:
2022-02-16

SHEET NUMBER	ISSUE
G29-GAL-G1001	D

ISSUED FOR TENDER

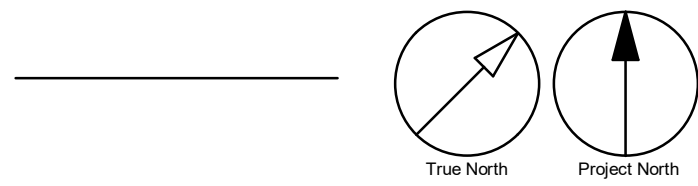
2022-02-11 1:57:48 PM

ABBREVIATIONS

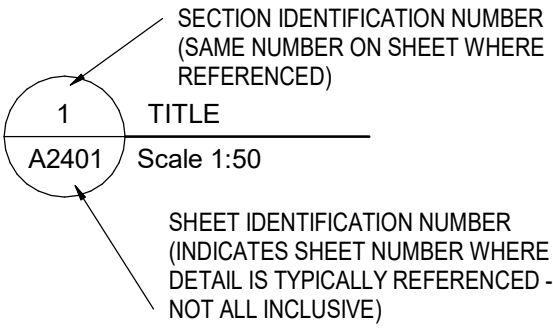
@	AT	EL	ELEVATION	MACH	MACHINE	SD	SOAP DISPENSER / STORM DRAIN
A	ANGLE	ELEC	ELECTRICAL	MAINT	MAINTENANCE	SDCONC	SEALED CONCRETE
A/C	AIR CONDITIONER / CONDITIONING	ELEV	ELEVATOR	MAT	ANTI-FATIGUE MATTING	SECT	SECTION
ABV	ABOVE	EMER	EMERGENCY	MATL	MATERIAL	SF	SQUARE FEET
ACCS	ACCESSORIES	EMF	ENGINEERED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

REFERENCE SYMBOLS

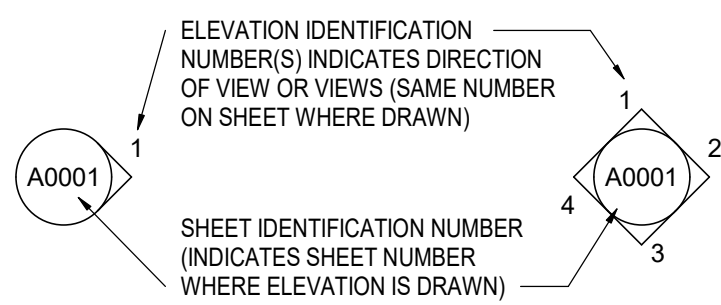
PLAN IDENTIFICATION



TITLE IDENTIFICATION



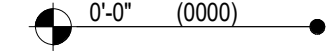
ELEVATION LOCATION IDENTIFICATION



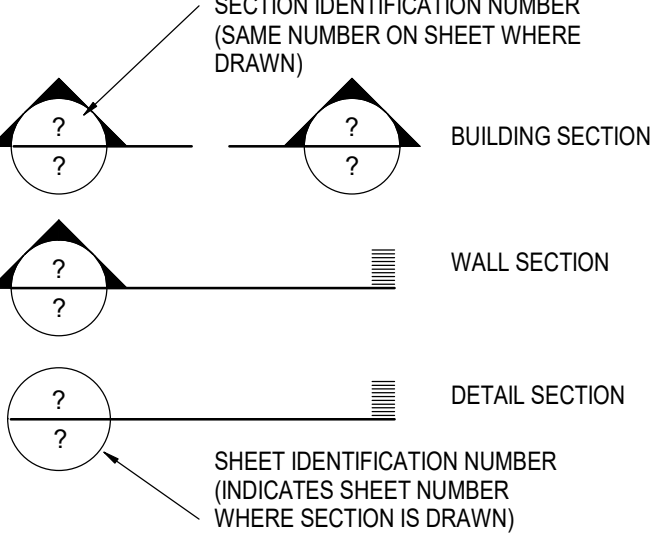
ELEVATION INDICATION - (FLOORS, ETC...)



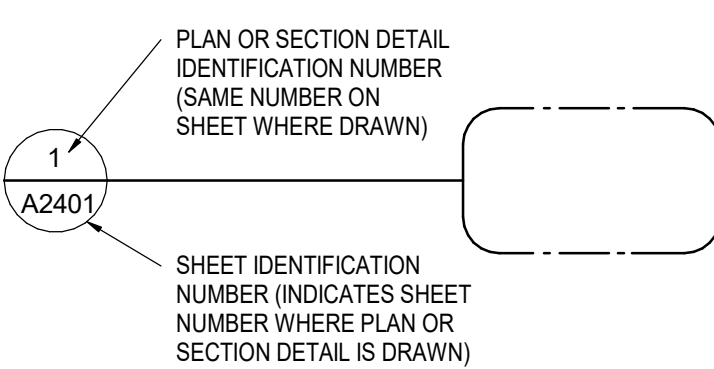
SPOT ELEVATION



SECTION LOCATION IDENTIFICATION



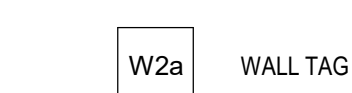
DETAIL LOCATION IDENTIFICATION



GRAPHIC SCALE



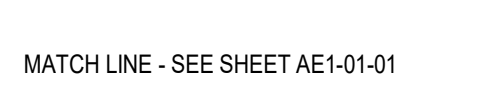
PARTITION TYPE INDICATION



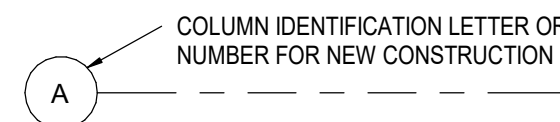
MATERIAL OR WORK DIVISION INDICATION



MATCH LINE INDICATION



GRID LINE INDICATION



ROOM NAME AND NUMBER INDICATION



NEW DOOR NUMBER INDICATION



WINDOW NUMBER INDICATION



LOUVER NUMBER INDICATION



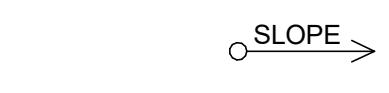
CEILING TAG



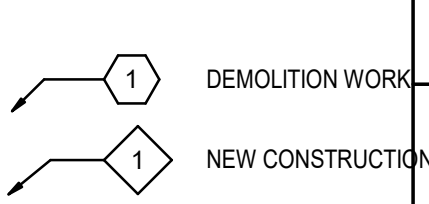
ROOF OR RAMP PITCH INDICATION



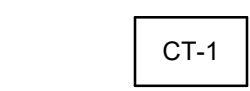
ROOF OR RAMP SLOPE INDICATION



KEYNOTE SYMBOLS



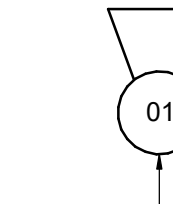
FLOOR FINISH TAG



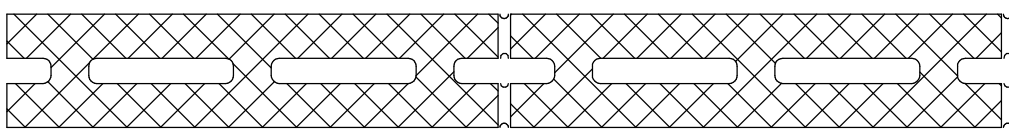
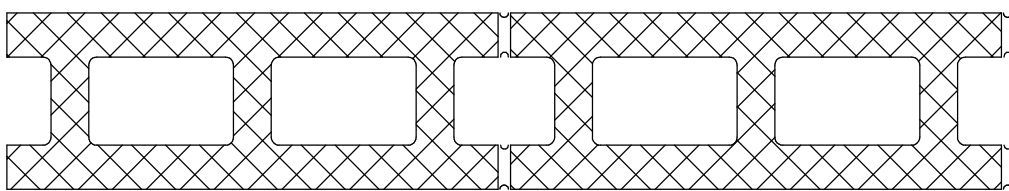
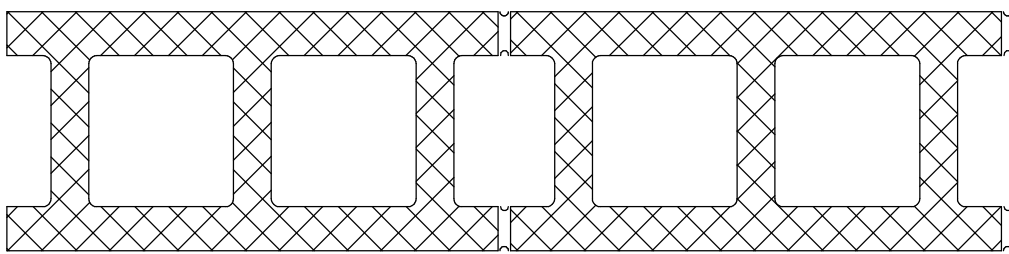
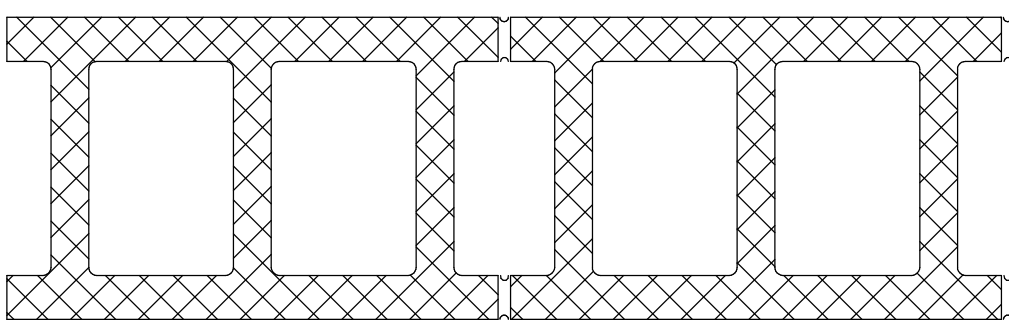
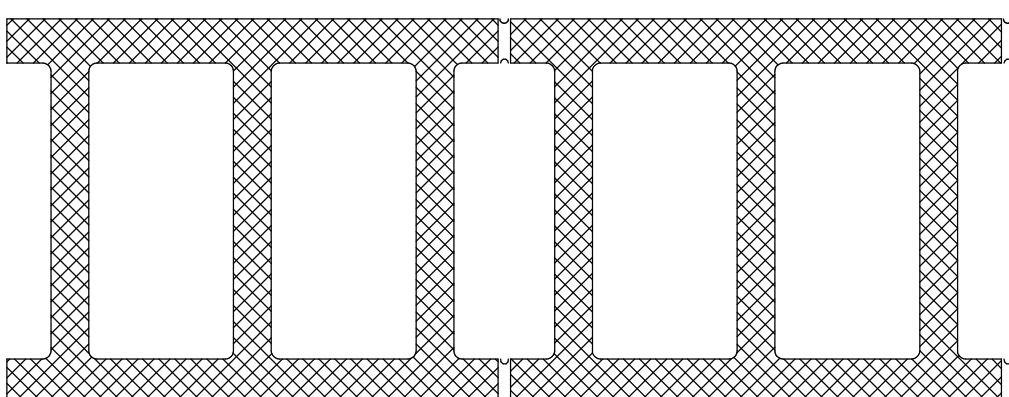
REVISION INDICATION



CAMERA VIEW


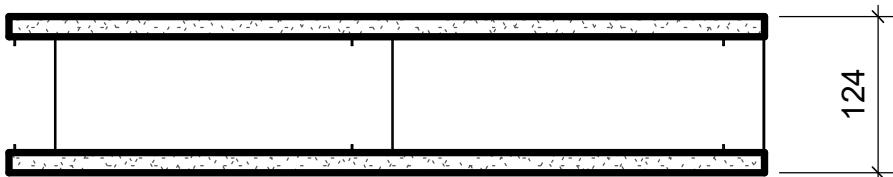
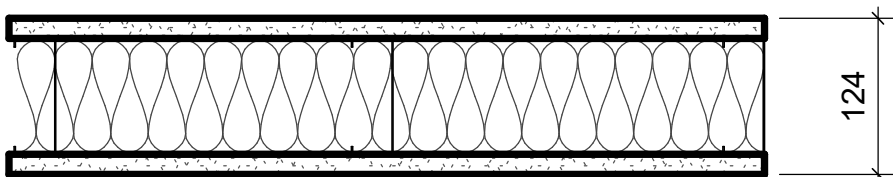
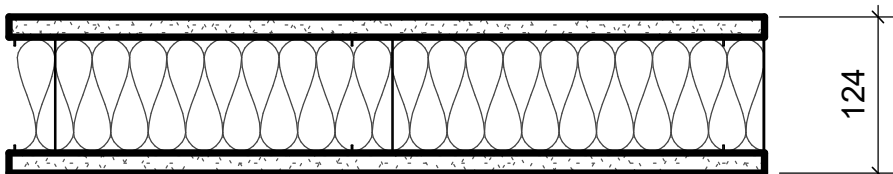
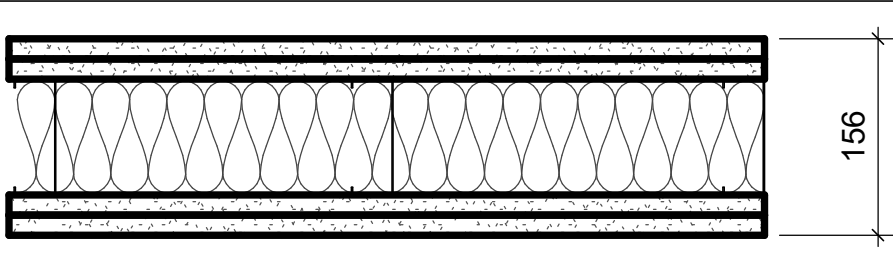
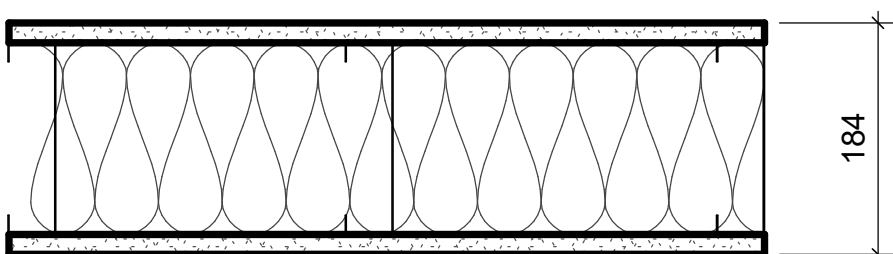
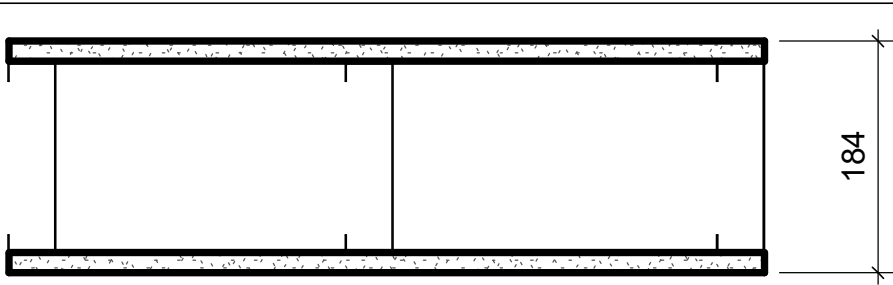
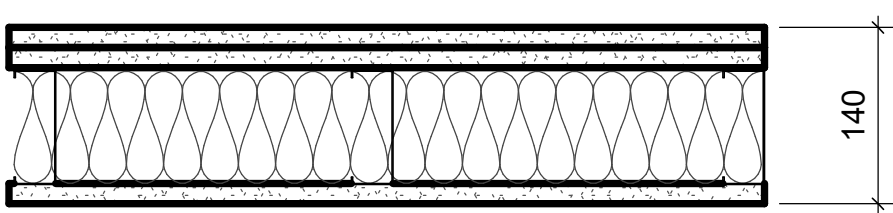


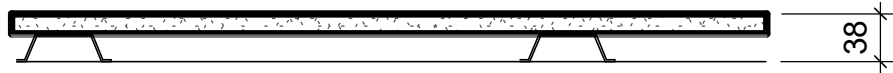
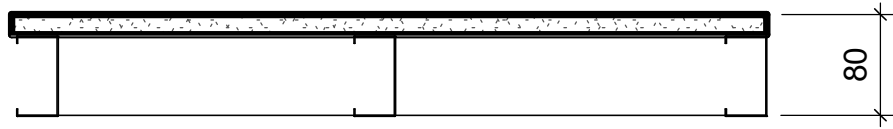
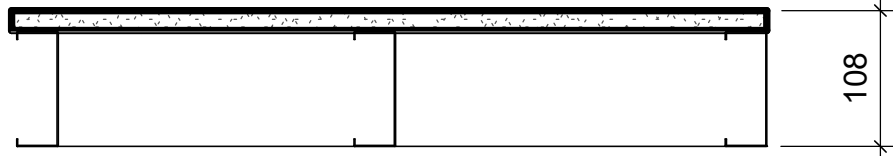
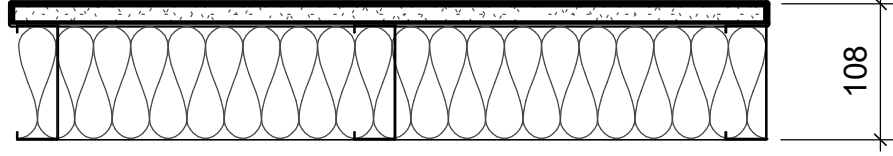
CLIENT		
CITY OF TORONTO		
55 John ST. TORONTO, ON M5V 3C6		
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ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-05-27
B	90% SUBMISSION	2021-09-07
C	ISSUED FOR PERMIT	2021-09-10
D	ISSUED FOR TENDER	2022-02-16
CONSULTANTS		
SEAL		
PRIME CONSULTANT		
IBI GROUP 175 Galaxy Blvd, Unit 100 Toronto, ON M9W 0C9, Canada Tel 416 679 1930 fax 416 675 4620 ibigroup.com		
PROJECT TITLE		
CITY OF TORONTO ACCESSIBILITY UPGRADES		
PROJECT ADDRESS		
PROJECT NO: 9119- 19- 0162 / IBI 122260		
DRAWN BY: A. BOYNARIAN	CHECKED BY: L. BANDIERA	
PROJECT MGR: L. SOSA	APPROVED BY: M. KOTBY	
SHEET TITLE		
GENERAL NOTES, ABBREVIATIONS & REFERENCE SYMBOLS		
SHEET NUMBER	ISSUE	
G29-GAL-G1002	D	

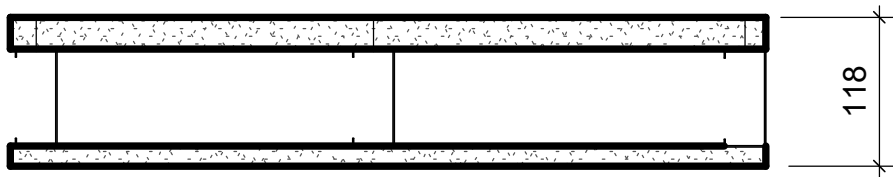
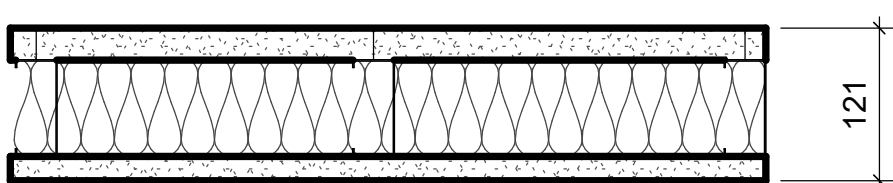
CONCRETE BLOCK				
TYPE NO.	ASSEMBLY	DESCRIPTION	FRR	STC
W1a		- 90mm CONCRETE BLOCK NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE		44
W1b		- 140mm CONCRETE BLOCK NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE	1.0 HR OBC SB-2	46
W1c		- 190mm CONCRETE BLOCK NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE	2.0 HR OBC SB-2	48
W1d		- 240mm CONCRETE BLOCK LIGHT WEIGHT TO U/S OF DECK/ SLAB ABOVE		49
W1e		- 305mm CONCRETE BLOCK NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE		51

WALL TYPE NOTES:

- ACOUSTIC BATT INSULATION TO EXTEND FULL HEIGHT OF WALL ASSEMBLIES UNLESS NOTED OTHERWISE.
- PROVIDE MOISTURE RESISTANT GYPSUM BOARD ON ALL WALLS OF WASHROOMS, KITCHEN AREAS AND BEHIND DRINKING FOUNTAINS.
- PROVIDE TILE BACKER BOARD BEHIND ALL CERAMIC TILE APPLICATIONS.
- ANY PENETRATIONS THROUGH FIRE RATED WALLS SHOULD BE PROTECTED WITH ULC LISTED FIRE STOPPING.
- 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".
- PROVIDE FIRE BLOCKING IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS VERTICALLY AT THE CEILING AND FLOOR LEVELS AND HORIZONTALLY.
- 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
W2		- 16mm FIRE RATED GYPSUM BOARD - 92mm METAL STUDS @ 400 O.C. - 16mm FIRE RATED GYPSUM BOARD - EXTEND WALL TO U/S OF DECK	1.0 HR ULC W407	38 (OBC S4C)
W2a		- 16mm GYPSUM BOARD - 92mm METAL STUDS @ 400 O.C. - 16mm GYPSUM BOARD		
W2b		- 16mm FIRE RATED GYPSUM BOARD - 92mm METAL STUDS @ 400 O.C. MAXIMUM - 92mm ACOUSTIC / THERMAL NON COMBUSTIBLE BATT INSULATION - 16mm FIRE RATED GYPSUM BOARD - EXTEND WALL TO U/S OF DECK	1.0 HR ULC W407	45
W2c		- 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		45
W2d		- 2 LAYERS OF 16mm FIRE RATED GYPSUM BOARD - 92mm METAL STUDS @ 400 O.C. MAXIMUM - 92mm ACOUSTIC / THERMAL NON COMBUSTIBLE BATT INSULATION - 2 LAYERS OF 16mm FIRE RATED GYPSUM BOARD - EXTEND WALL TO U/S OF DECK	2.0 HR ULC W414	55
W2e		- 16mm GYPSUM BOARD - 152mm METAL STUDS @ 400 O.C. - 152mm ACOUSTIC / THERMAL NON COMBUSTIBLE BATT INSULATION - 16mm GYPSUM BOARD - EXTEND WALL TO U/S OF DECK		51 (OBC S7A)
W2f		- 16mm GYPSUM BOARD - 152mm METAL STUDS @ 400 O.C. - 16mm GYPSUM BOARD		
W2g		- 2 LAYERS OF 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		50 (OBC S5B)

FURRING WALL TYPES - INTERNAL			
TYPE NO.	ASSEMBLY	DESCRIPTION	FRR
W3a		38mm FURRING - TO 150mm ABOVE FIN. CEILING - 16mm GYPSUM BOARD - 22mm MIN HAT CHANNEL @ 400 O.C.	
W3b		80mm FURRING - TO 150mm ABOVE FIN. CEILING - 16mm GYPSUM BOARD - 64mm MIN STEEL STUDS @ 400 O.C.	
W3c		108mm FURRING - TO 150mm ABOVE FIN. CEILING UNLESS OTHERWISE NOTED - 16mm GYPSUM BOARD - 92mm MIN STEEL STUDS @ 400 O.C.	
W3d		108mm FURRING - TO 150mm ABOVE 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		-25.4mm 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

CLIENT

CITY OF TORONTO



55 John ST.
TORONTO, ON
M5V 3C6

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ISSUES

No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-05-27
B	90% SUBMISSION	2021-09-07
C	ISSUED FOR PERMIT	2021-09-10
D	ISSUED FOR TENDER	2022-02-16

CONSULTANTS

SEAL

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PROJECT TITLE

CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260

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PROJECT MGR:
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APPROVED BY:
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SHEET TITLE

WALL TYPES

SHEET NUMBER

G29-GAL-G1003

ISSUE

D

SINGLE DOOR TYPES

Technical drawings of 13 single door types (A through K) showing various configurations of louvers, vision strips, and dimensions. Types A, B, C, D, F, G, H, and J are standard single doors. Types A(L), B(L), C(L), E, and G(L) are louvered doors. Types L, M, and N are double doors. Dimensions are given in millimeters (mm) and inches (in).

Key dimensions and features:

- Types A, B, C, D, F, G, H, J:** Standard single doors. Dimensions include 100mm, 250mm, 300mm, 335mm, 500mm, 900mm, 1500mm, 1570mm, 1585mm, 1605mm, 1625mm, 1645mm, 1665mm, 1685mm, 1705mm, 1725mm, 1745mm, 1765mm, 1785mm, 1805mm, 1825mm, 1845mm, 1865mm, 1885mm, 1905mm, 1925mm, 1945mm, 1965mm, 1985mm, 2005mm, 2025mm, 2045mm, 2065mm, 2085mm, 2105mm, 2125mm, 2145mm, 2165mm, 2185mm, 2205mm, 2225mm, 2245mm, 2265mm, 2285mm, 2305mm, 2325mm, 2345mm, 2365mm, 2385mm, 2405mm, 2425mm, 2445mm, 2465mm, 2485mm, 2505mm, 2525mm, 2545mm, 2565mm, 2585mm, 2605mm, 2625mm, 2645mm, 2665mm, 2685mm, 2705mm, 2725mm, 2745mm, 2765mm, 2785mm, 2805mm, 2825mm, 2845mm, 2865mm, 2885mm, 2905mm, 2925mm, 2945mm, 2965mm, 2985mm, 3005mm, 3025mm, 3045mm, 3065mm, 3085mm, 3105mm, 3125mm, 3145mm, 3165mm, 3185mm, 3205mm, 3225mm, 3245mm, 3265mm, 3285mm, 3305mm, 3325mm, 3345mm, 3365mm, 3385mm, 3405mm, 3425mm, 3445mm, 3465mm, 3485mm, 3505mm, 3525mm, 3545mm, 3565mm, 3585mm, 3605mm, 3625mm, 3645mm, 3665mm, 3685mm, 3705mm, 3725mm, 3745mm, 3765mm, 3785mm, 3805mm, 3825mm, 3845mm, 3865mm, 3885mm, 3905mm, 3925mm, 3945mm, 3965mm, 3985mm, 4005mm, 4025mm, 4045mm, 4065mm, 4085mm, 4105mm, 4125mm, 4145mm, 4165mm, 4185mm, 4205mm, 4225mm, 4245mm, 4265mm, 4285mm, 4305mm, 4325mm, 4345mm, 4365mm, 4385mm, 4405mm, 4425mm, 4445mm, 4465mm, 4485mm, 4505mm, 4525mm, 4545mm, 4565mm, 4585mm, 4605mm, 4625mm, 4645mm, 4665mm, 4685mm, 4705mm, 4725mm, 4745mm, 4765mm, 4785mm, 4805mm, 4825mm, 4845mm, 4865mm, 4885mm, 4905mm, 4925mm, 4945mm, 4965mm, 4985mm, 5005mm, 5025mm, 5045mm, 5065mm, 5085mm, 5105mm, 5125mm, 5145mm, 5165mm, 5185mm, 5205mm, 5225mm, 5245mm, 5265mm, 5285mm, 5305mm, 5325mm, 5345mm, 5365mm, 5385mm, 5405mm, 5425mm, 5445mm, 5465mm, 5485mm, 5505mm, 5525mm, 5545mm, 5565mm, 5585mm, 5605mm, 5625mm, 5645mm, 5665mm, 5685mm, 5705mm, 5725mm, 5745mm, 5765mm, 5785mm, 5805mm, 5825mm, 5845mm, 5865mm, 5885mm, 5905mm, 5925mm, 5945mm, 5965mm, 5985mm, 6005mm, 6025mm, 6045mm, 6065mm, 6085mm, 6105mm, 6125mm, 6145mm, 6165mm, 6185mm, 6205mm, 6225mm, 6245mm, 6265mm, 6285mm, 6305mm, 6325mm, 6345mm, 6365mm, 6385mm, 6405mm, 6425mm, 6445mm, 6465mm, 6485mm, 6505mm, 6525mm, 6545mm, 6565mm, 6585mm, 6605mm, 6625mm, 6645mm, 6665mm, 6685mm, 6705mm, 6725mm, 6745mm, 6765mm, 6785mm, 6805mm, 6825mm, 6845mm, 6865mm, 6885mm, 6905mm, 6925mm, 6945mm, 6965mm, 6985mm, 7005mm, 7025mm, 7045mm, 7065mm, 7085mm, 7105mm, 7125mm, 7145mm, 7165mm, 7185mm, 7205mm, 7225mm, 7245mm, 7265mm, 7285mm, 7305mm, 7325mm, 7345mm, 7365mm, 7385mm, 7405mm, 7425mm, 7445mm, 7465mm, 7485mm, 7505mm, 7525mm, 7545mm, 7565mm, 7585mm, 7605mm, 7625mm, 7645mm, 7665mm, 7685mm, 7705mm, 7725mm, 7745mm, 7765mm, 7785mm, 7805mm, 7825mm, 7845mm, 7865mm, 7885mm, 7905mm, 7925mm, 7945mm, 7965mm, 7985mm, 8005mm, 8025mm, 8045mm, 8065mm, 8085mm, 8105mm, 8125mm, 8145mm, 8165mm, 8185mm, 8205mm, 8225mm, 8245mm, 8265mm, 8285mm, 8305mm, 8325mm, 8345mm, 8365mm, 8385mm, 8405mm, 8425mm, 8445mm, 8465mm, 8485mm, 8505mm, 8525mm, 8545mm, 8565mm, 8585mm, 8605mm, 8625mm, 8645mm, 8665mm, 8685mm, 8705mm, 8725mm, 8745mm, 8765mm, 8785mm, 8805mm, 8825mm, 8845mm, 8865mm, 8885mm, 8905mm, 8925mm, 8945mm, 8965mm, 8985mm, 9005mm, 9025mm, 9045mm, 9065mm, 9085mm, 9105mm, 9125mm, 9145mm, 9165mm, 9185mm, 9205mm, 9225mm, 9245mm, 9265mm, 9285mm, 9305mm, 9325mm, 9345mm, 9365mm, 9385mm, 9405mm, 9425mm, 9445mm, 9465mm, 9485mm, 9505mm, 9525mm, 9545mm, 9565mm, 9585mm, 9605mm, 9625mm, 9645mm, 9665mm, 9685mm, 9705mm, 9725mm, 9745mm, 9765mm, 9785mm, 9805mm, 9825mm, 9845mm, 9865mm, 9885mm, 9905mm, 9925mm, 9945mm, 9965mm, 9985mm, 10005mm, 10025mm, 10045mm, 10065mm, 10085mm, 10105mm, 10125mm, 10145mm, 10165mm, 10185mm, 10205mm, 10225mm, 10245mm, 10265mm, 10285mm, 10305mm, 10325mm, 10345mm, 10365mm, 10385mm, 10405mm, 10425mm, 10445mm, 10465mm, 10485mm, 10505mm, 10525mm, 10545mm, 10565mm, 10585mm, 10605mm, 10625mm, 10645mm, 10665mm, 10685mm, 10705mm, 10725mm, 10745mm, 10765mm, 10785mm, 10805mm, 10825mm, 10845mm, 10865mm, 10885mm, 10905mm, 10925mm, 10945mm, 10965mm, 10985mm, 11005mm, 11025mm, 11045mm, 11065mm, 11085mm, 11105mm, 11125mm, 11145mm, 11165mm, 11185mm, 11205mm, 11225mm, 11245mm, 11265mm, 11285mm, 11305mm, 11325mm, 11345mm, 11365mm, 11385mm, 11405mm, 11425mm, 11445mm, 11465mm, 11485mm, 11505mm, 11525mm, 11545mm, 11565mm, 11585mm, 11605mm, 11625mm, 11645mm, 11665mm, 11685mm, 11705mm, 11725mm, 11745mm, 11765mm, 11785mm, 11805mm, 11825mm, 11845mm, 11865mm, 11885mm, 11905mm, 11925mm, 11945mm, 11965mm, 11985mm, 12005mm, 12025mm, 12045mm, 12065mm, 12085mm, 12105

Technical drawing of a window frame showing dimensions and vision strips. The drawing includes a side elevation and a cross-section. The side elevation shows a window with a total height of 1500 and a height to the top of the vision strips of 1170. The cross-section shows the window frame with two vision strips, each 50 units thick, separated by a 260 unit gap. The total width of the frame is 500 units.

PANIC BAR

DOOR HANDLE

900 MIN
1060 MAX

CITY OF TORONTO

 55 John ST.
 TORONTO, ON
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ISSUES		
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CONSULTANTS

SEAL

PRIME CONSULTANT



PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO: 9119- 19- 0162 / IBI 122260
--

DRAWN BY:

CHECKED BY:

PROJECT M

APPROVED BY _____

SHEET TITLE

DOOR TYPES

SHEET NUMBER

G29-GAL-G1004

ISSUE

D

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 CONTRACT DOCUMENTS.
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 SHOP DRAWINGS.
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 FROM THE WORK ON THIS PROJECT TO THE SATISFACTION OF THE OWNER AND ENGINEER.
7. THE CONTRACTOR SHALL PROVIDE, MAINTAIN AND TAKE RESPONSIBILITY FOR ALL TEMPORARY BRACING AND SHORING.
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 #6. THE WIND AND SEISMIC PARAMETERS FOUND IN NOTE #7, AND FOR ASSUMED SITE CLASS D, $F_s = 1.24$, $F_v = 1.55$, $I_F S_s(0.2) = 0.24$, $R_s = 1.5$, $R_v = 1.3$ (CONVENTIONAL CONSTRUCTION OF MOMENT-RESISTING FRAMES AND BRACED FRAMES), AND NO IRREGULARITIES, USING STATIC ANALYSIS IN BOTH DIRECTIONS.
2. ALL LOADS SHOWN ON DRAWINGS ARE SPECIFIED (NO LOAD FACTOR APPLIED) LOADS UNLESS NOTED OTHERWISE. HOWEVER, (ULS) IMPORTANCE FACTORS ARE APPLIED, UNLESS NOTED OTHERWISE.
3. DESIGN SPECIFIED (UNFACTORED) DEAD AND LIVE LOADS ARE SHOWN ON APPLICABLE DRAWINGS.
4. STRUCTURES ARE NOT STABLE UNTIL ALL COMPONENTS (INCLUDING BUT NOT LIMITED TO MOMENT CONNECTIONS, BRACING, FLOOR & ROOF DECK AND SHEATHING) ARE CONSTRUCTED.
5. MATERIALS:

STRUCTURAL STEEL: CAN/CSA-G40.20/G40.21, GRADE 350W FOR W-SECTIONS. GRADE 300W FOR OTHERS. YIELD STRENGTH = 350 MPa MIN.

COLD-FORMED STEEL: CONFORM TO CAN/CSA G40-20/G40.21-M GRADE 350W, CLASS C.

HOLLOW STRUCTURAL SECTIONS (HSS): CONFORM TO CAN/CSA G40-20/G40.21-M GRADE 350W, CLASS C.

WELDING: E49XX ELECTRODES.

BOLTS, NUTS AND WASHERS: CONFORM TO ASTM A325.

ANCHOR BOLTS: CONFORM TO ASTM F1554 GRADE 36, UNLESS NOTED OTHERWISE.

PRIMER: SEE SPECIFICATION.

REINFORCING STEEL: 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 20FC BENDING STRESS, UNLESS NOTED OTHERWISE. 12CE COMPRESSION STRESS, UNLESS NOTED OTHERWISE.

PLYWOOD: CSA 0151 SOFTWOOD EXTERIOR GRADE.

6. STRUCTURE HAS BEEN ASSIGNED THE NORMAL IMPORTANCE CATEGORY UNLESS NOTED OTHERWISE ON A BUILDING SPECIFIC DRAWINGS, AS DEFINED IN THE APPLICABLE EDITION OF THE ONTARIO BUILDING CODE.
7. STRUCTURES HAVE BEEN DESIGNED CONSIDERING THE FOLLOWING CLIMATIC AND SEISMIC DATA FOR PROJECT LOCATION OF TORONTO

WIND	SEISMIC	SNOW	RAIN
q 1/50 = 0.47 kPa	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 kPa Sr = 0.4 kPa	ONE DAY = 92 mm

8. 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";
CAN/CSA-G30.18 "BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT".
2. UNLESS NOTED OTHERWISE, MINIMUM CONCRETE COMPRESSIVE STRENGTHS SHALL BE AS FOLLOWS
- | MINIMUM CONCRETE COMPRESSIVE STRENGTHS | | |
|--|------------------|----------------|
| APPLICATION | STRENGTH | EXPOSURE CLASS |
| LEAN CONCRETE FILL | 15 MPa @ 28 days | |
| MUD SLAB | 15 MPa @ 28 days | |
| FOOTINGS | 35 MPa @ 28 days | C-1 |
| PIERS, WALLS & CURBS | 35 MPa @ 28 days | C-1 |
| SLABS ON GRADE (INTERIOR) | 32 MPa @ 28 days | N-CF |
| SLABS ON GRADE (EXTERIOR) | 35 MPa @ 56 days | C-1 |
| EXTERIOR APRONS | 35 MPa @ 56 days | C-1 |
3. MINIMUM CONCRETE COVER TO REINFORCING BARS:

CONCRETE CLEAR COVER (CSA A23.1)			
EXPOSURE CONDITION	EXPOSURE CLASS		
	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

NOTES:

- #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 SPECIFIED.
- #4. CLEAR COVER TO EMBEDDED CONDUITS AND DUCTS IS THE SAME AS FOR REINFORCING BAR OF EQUIVALENT DIAMETER.
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 / GUL 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.
12. WHEREVER OPENINGS OCCUR, INTERRUPTING ONE OR MORE REINFORCING BARS, IN SLABS 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, 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.

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 250 kPa, UNLESS 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 250 kPa, FRICTION ANGLE OF AT LEAST 30° AND MINIMUM FACTORED SLIDING RESISTANCE OF 150. MAX. ALLOWABLE TOTAL SETTLEMENT TO BE 25 mm. MAX. ALLOWABLE DIFFERENTIAL SETTLEMENT TO BE 25 mm.
3. CONTRACTOR TO CONFIRM THE MINIMUM BEARING CAPACITIES ON SITE.
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 CONDITIONS SHALL BE MADE GOOD WITH 15 MPa LEAN CONCRETE FILL.
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.
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:

1. 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 PROJECT ENGINEER.
4. DO NOT PLACE CONCRETE UNTIL ALL ELECTRICAL, MECHANICAL AND PROCESS CONDUITS, PIPING OR OTHER EMBEDDED SERVICES ARE INSTALLED AND VERIFIED.
5. 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.
9. FLOOR FINISH: SEE SPECIFICATIONS.

METAL DECK:

1. 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.
2. 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.
3. 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
8. 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 DWELLS TO FOOTING, SLAB THICKENING, SLAB ON DECK OR OTHER SUPPORTING STRUCTURE. FOR ALL VERTICAL WALL REINF. (TYP. UN)
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.
-MINIMUM 28 DAYS COMPRESSIVE STRENGTH = 12.5 MPa
-SLUMP: 200 mm MINIMUM TO 250 mm MAXIMUM.
-GROUT SHALL BE FINE WHERE MAXIMUM GROUT SPACE IS LESS THAN 50 mm.
-TESTING SHALL BE IN ACCORDANCE WITH CN/CSA-A179 AND ITS APPENDIX.
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.
8. 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 25mm 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 - fm.
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 SHAL 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 LENGTH OF 200 mm UNLESS OTHERWISE NOTED ON DRAWINGS.
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
140 mm	4200 mm	15M@600
190 mm	5500 mm	15M@600
240 mm	6000 mm	15M@600

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ISSUES

No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-10-05
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D	ISSUED FOR TENDER	2022-02-16

CONSULTANTS

SEAL

PRIME CONSULTANT



PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

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9119-19-0162 / IBI 122260

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SHEET TITLE

STRUCTURAL - GENERAL
NOTES, SYMBOLS &
ABBREVIATIONS

SHEET NUMBER

G14-GAL-G2000

ISSUE

D

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL CONFORM TO CAN/CSA-G30.18-M-2009 (R2014), GRADE 400W.
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.
3. 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.

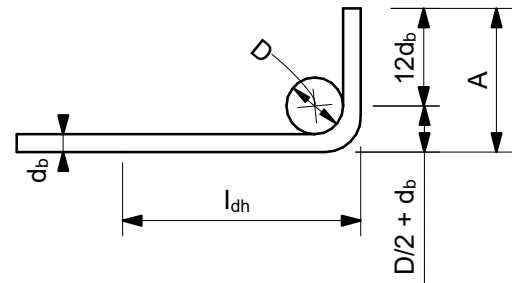
fc' = 35MPa			fy = 400MPa			
BAR SIZE	TENSION STEEL				COMPRESSION STEEL	
	HORIZONTAL TOP BARS*		ALL OTHER BARS**			
	DEVELOPMENT	SPLICES	DEVELOPMENT	SPLICES	DEVELOPMENT	LAP SPLICES
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
10	360	470	280	370	200	330
15	510	670	390	510	290	470
20	620	810	480	630	350	590
25	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' = 35MPa		fy = 400MPa	
BAR SIZE	D***	A	l _{db} ****
d _b	(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 / f'_c^{0.5} > 150 OR 8 d_b.

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.
15. 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.
19. IT IS THE INTENTION OF THESE DESIGN DOCUMENTS TO DELEGATE THE DESIGN OF ALL STRUCTURAL STEEL CONNECTIONS TO THE STEEL FABRICATOR. THE STEEL FABRICATOR SHALL RETAIN A PROFESSIONAL ENGINEER, LICENSED IN THE PROVINCE OF ONTARIO TO PERFORM ALL DESIGN CALCULATIONS. THIS REQUIREMENT EXTENDS TO ALL CONNECTIONS. IT IS ANTICIPATED THAT THE PROSPECTIVE STRUCTURAL STEEL FABRICATORS WILL PERFORM NECESSARY INVESTIGATION TO DETERMINE THE FULL IMPACT OF CONNECTION CLEARANCE REQUIREMENTS, AS WELL AS THE POTENTIAL NECESSARY INTRODUCTION OF DOUBLER PLATES, CONTINUITY PLATES, AND / OR WEB FLANGE OR OTHER STIFFENERS PRIOR TO SUBMITTING ANY BID FOR THIS WORK. CONNECTIONS SHOWN ON DRAWINGS, INCLUDING WELDS, BOLTS AND STIFFENERS ARE FOR INDICATIVE PURPOSES ONLY AND REPRESENT MINIMUM REQUIREMENTS

ABBREVIATIONS:

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

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C	PERMIT SUBMISSION	2021-12-17
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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119-19-0162 / IBI 122260

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SHEET TITLE
STRUCTURAL -
SYMBOLS &
ABBREVIATIONS

SHEET NUMBER G14-GAL-G2002	ISSUE D
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CONTROLS POINT FUNCTION ABBREVIATION						
FIRST LETTER		SECOND LETTER		THIRD LETTER		FOURTH LETTER
A	AIR	A	H-O-A STATUS	H	HIGH	
C	COMPRESSED GAD	C	CLOSE	L	LOW	
D	DAMPER	E	VOLTAGE	X	TRASMITTER	
E	EQUIPMENT	F	FIRE (ALARM) SMOKE	Z	INDICATING TRANSMITTER	
G	NATURAL GAS	FL	FLOW	D	DIFFERENTIAL	
L	LIQUID	H	HUMIDITY			
S	STEAM	I	CURRENT			
V	VALVE	L	LEVEL			
M	MISCELLANEOUS	O	OPEN			
		OL	OVERLOAD			
		OR	OVERRIDE			
		P	PRESSURE			
		SS	START / STOP			
		ST	STATUS			
		T	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.

XX - YYYY

POINT FUNCTION ABBREVIATION
POINT TYPE

AI: ANALOG INPUT
AO: ANALOG OUTPUT
DI: DIGITAL INPUT
DO: DIGITAL OUTPUT
HW: HARDWIRED
SC: SERIAL COMMUNICATION

e.g. DO - ESS

START / STOP
EQUIPMENT
DIGITAL OUTPUT

GENERAL NOTES						
1. FOR ROOF OPENING AND ROOF CURB DETAILS SEE ARCHITECTURAL DRAWINGS. 2. ALL FRESH AIR OR EXHAUST AIR LOUVRES IN BUILDING WALLS BY GENERAL TRADES UNLESS OTHERWISE NOTED. FOR DETAILS SEE ARCHITECTURAL DRAWINGS. 3. ALL STORM COLLAR FLASHINGS BY MECHANICAL FOR DETAILS OF FLASHINGS SEE ARCHITECTURAL DRAWINGS. 4. 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. 5. 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. 6. THIS IS THE STANDARD SHEET FORM NOT ALL ITEMS ARE ASSOCIATED WITH THIS PROJECT. 7. ALL EXISTING SERVICES TO REMAIN UNLESS NOTED OTHERWISE. 8. ALL SYSTEMS TO REMAIN FUNCTIONAL UNLESS PERMISSION FOR SHUTDOWN IS GRANTED BY THE OWNER.						
GENERAL NOTES: PLUMBING & DRAINAGE						
1. ALL SANITARY DRAINS NPS 4 SIZE & LARGER SHALL SLOPE AT 1.0%. ALL SANITARY DRAINS NPS 3 & SMALLER SHALL SLOPE AT 2%. 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. 3. ALL VENTING AND TRAP SEAL PRIMER NOT SHOWN BUT REQUIRED, SHALL BE BY PLUMBING CONTRACTOR. 4. ALL DOMESTIC COLD AND HOT WATER PIPING SHALL BE THERMALLY INSULATED. 5. ALL ABOVE GROUND HORIZONTAL RAIN WATER LEADER AND STORM DRAIN SHALL BE THERMALLY INSULATED.						
GENERAL NOTES: FIRE PROTECTION						
1. 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 AUTHORITIES HAVING JURISDICTION. 2. 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. 3. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF DUCTWORK, PIPING, AND LIGHTING FIXTURES, ETC. 4. 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. 5. PROVIDE TYPE ABC FIRE EXTINGUISHERS AS PER ONTARIO FIRE CODE. FINAL LOCATION TO BE COORDINATED ON FIELD. 6. FIRE PROTECTION CONTRACTOR TO PROVIDE PIPE HANGERS AS PER NFPA 13. 7. FIRE PROTECTION SYSTEM SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 13. 8. CONTRACTOR TO CONDUCT FLOW TEST AND USE THE RESULTS FOR HYDRAULIC CALCULATIONS. 9. 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. 10. PIPE DIMENSIONS TO BE DETERMINED BY THE RESULTS OF HYDRAULIC CALCULATION. 11. SPRINKLER SYSTEMS TO BE HYDRAULICALLY DESIGNED TO DELIVER THE DENSITIES OVER THE MOST REMOTE AREA AS LISTED IN THE SCHEDULE. 12. SPRINKLER COVERAGES INDICATED ARE TO BE CONFIRMED BY FIRE PROTECTION CONTRACTOR. 13. 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. 14. SPRINKLER SHOWN ARE FOR COORDINATION PURPOSE ONLY. FINAL LOCATION OF THE SPRINKLERS TO BE DETERMINED BY FIRE PROTECTION CONTRACTOR BASED ON HYDRAULIC CALCULATIONS. 15. USE UPRIGHT SPRINKLER IN SPACE WITHOUT CEILING. 16. LOCATE SPRINKLER HEADS IN THE CENTRE OF CEILING TILES. 17. SPRINKLER HEAD LOCATION TO BE COORDINATED WITH ARCHITECT PRIOR TO SHOP DRAWING PRODUCTION. 18. PIPING AND SPRINKLER HEADS MARKED FOR DEMOLITION TO BE REMOVED AND DISPOSED OF FROM SITE UNLESS OTHERWISE NOTED. 19. REFER TO EXISTING SHOP DRAWINGS. 20. ALL EXISTING SPRINKLERS TO BE ADJUSTED TO SUIT NEW BUILDING LAYOUT IN ACCORDANCE WITH NFPA 13. 21. PROVIDE FIRE WATCH DURING SHUT DOWN.						
GENERAL NOTES: HVAC						
1. ALL DUCTWORK TO BE INSTALLED TO LOW-PRESSURE DUCTWORK TO S.M.A.C.N.A. STANDARDS. 2. DUCTWORK: FABRICATED OF PRIME QUALITY GALVANIZED STEEL SHEETS WITH Z275 (G90) DESIGNATION ZINC COATING TO ASTM A653/A653M 3. ALL DUCTWORK C/W SEAL CLASS 'A' AS PER S.M.A.C.N.A. STANDARDS. 4. ALL EXHAUST DUCTWORK SHALL BE THERMALLY INSULATED FOR 1500mm BEFORE EXITING THE BUILDING ENVELOPE. 5. ALL FLEXIBLE DUCT TO BE MAXIMUM 3000MM LONG AND INSULATED. 6. ALL SUPPLY AIR DUCTWORK INSIDE CEILING SPACE SHALL BE THERMALLY INSULATED. 7. ALL REFRIGERANT LINES SHALL BE THERMALLY INSULATED. 8. ALL CONDENSATE DRAIN SHALL BE THERMALLY INSULATED. 9. ALL CONTROL WIRING SHALL BE FT-6 RATED.						

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ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-05-27
B	90% SUBMISSION	2021-09-07
C	ISSUED FOR PERMIT	2021-09-10
D	ISSUED FOR TENDER	2022-02-16

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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260

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PROJECT MGR: L. SOSA	APPROVED BY: B. LIAO
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SHEET TITLE
MECHANICAL LEGEND
SHEET 2 OF 2

SHEET NUMBER
G3002

ISSUE
D

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
<u>GENERAL</u>									
	NORTH ARROW ARROW INDICATES PROJECT NORTH		COMBINATION MAGNETIC STARTER		<u>HEAT TRACING</u> DIRECT CONNECTION TO HEAT TRACING: I – HEAT TERACING II – PIPE SYSTEM ID STORM		<u>CCTV</u> INDOOR PTZ CAMERA		<u>PUBLIC ADDRESS & INTERCOM</u> INTERCOM
	NOTE REFERENCE TAG N# – DENOTES NOTE NUMBER E-### – DENOTES DRAWING NUMBER		MAGNETIC STARTER		SANITARY TPL: TRAP SEAL PRIMER DCW: DOMESTIC COLD WATER		INDOOR FIXED CAMERA		C – AUDIO
	BURIED GROUNDING CONDUCTOR		MANUAL STARTER		HEAT TRACING THERMOSTAT		OUTDOOR/WALL/ROOF MOUNTED PTZ CAMERA		E – EMERGENCY CALL
	LIGHTNING GROUND CONDUCTOR		HORSEPOWER RATED MOTOR TOGGLE SWITCH		HEAT TRACING IN LINE TEMPERATURE SENSOR		OUTDOOR/WALL/ROOF MOUNTED FIXED CAMERA		H – HANDSET
	GROUND ROD C/W INSPECTION CAN		HORSEPOWER RATED MOTOR HAND/OFF/AUTO SWITCH		L01 – DENOTES LUMINAIRE TYPE		OUTDOOR FIXED CAMERA POLE MOUNTED		P – PANEL
	GROUNDING CONDUCTOR CONNECTION		DISCONNECT SWITCH – NON–FUSIBLE		L2B1–28.1 – DENOTES PANELBOARD (REFER TO POWER AND CONTROL)		OUTDOOR PTZ CAMERA POLE MOUNTED		S – SERVER
	AIR TERMINAL (LIGHTNING ROD)		FUSED DISCONNECT SWITCH		MOTOR		STEEL POLE BASE MOUNTED 6m – DENOTES POLE HEIGHT A – DENOTES POLE BASE TYPE A – 900mm HIGH CONCRETE BASE, NOT HINGED B – 300mm HIGH CONCRETE BASE, HINGED		V – VIDEO
	CONDUCTOR DOWN TO BUILDING GROUND LOOP		MOTORIZED DAMPER		BLANK JUNCTION BOX		REMOTE PANEL RP2 DENOTES REMOTE PANEL NO.2		A – AUDIO SIREN & STROBE
	DIRECT BURIED CONDUIT(S) OR CABLE(S)		CONTROL PANEL		TERMINAL BOX WITH TERMINAL STRIPS		CLOSED CIRCUIT TELEVISION VIDEO DISPLAY 2 DENOTES MONITOR TYPE		D – WITH IMAGE DISPLAY E – ELEVATOR
	CONCRETE ENCASED CONDUIT(S)		ELECTRIC CONVECTION HEATER		BASEBOARD HEATING UNIT		SECURITY CONTROL PANEL		F – FURNITURE MTD
	EXPOSED CONDUIT OR CABLE		ELECTRIC FORCE–FLOW HEATER		ELECTRIC CONVECTION HEATER		GLASS BREAK DETECTOR		M – MAINTENANCE
	CONDUIT OR CABLE TURNING UP		DOOR CONTROL PANEL		DOCK LEVELER		KEY PAD		S – COMMUNICATION STATUS INDICATOR
	CONDUIT OR CABLE TURNING DOWN		SINGLE RECEPTACLE		SINGLE RECEPTACLE		CARD READER		PA SPEAKER
	SLOPE – ARROW INDICATES DOWNWARD SLOPE		DUPLEX RECEPTACLE		DUPLEX RECEPTACLE		DOOR MONITOR SWITCH		HORN/CONE SPEAKER ZA – DENOTES ZONE A
	MANHOLE		TWO DUPLEX RECEPTACLES WITH BARRIER		TWO DUPLEX RECEPTACLES WITH BARRIER		ELECTRIC DOOR STRIKE		AMPLIFIER
	HAND HOLE		GFCI DUPLEX RECEPTACLE		GFCI DUPLEX RECEPTACLE		MAGNETIC DOOR LOCK		END OF LINE DEVICE
	CONCRETE PULL BOX (MINIMUM INTERNAL DIMENSIONS: 900x610x900)		COMBINATION DUPLEX RECEPTACLE/TELECOMMUNICATION OUTLET (DUPLICATED ON COMMS DRAWINGS)		COMBINATION DUPLEX RECEPTACLE/TELECOMMUNICATION OUTLET (DUPLICATED ON COMMS DRAWINGS)		ELEVATOR HALL CALL BUTTON		<u>FIRE ALARM</u> FIRE ALARM CONTROL PANEL
	PULL BOX		COMBINATION TWO DUPLEX RECEPTACLES/TELECOMMUNICATION OUTLET (DUPLICATED ON COMMS DRAWINGS AS COMBINATION DUPLEX RCT) WITH BARRIER BETWEEN RECEPTACLES		COMBINATION TWO DUPLEX RECEPTACLES/TELECOMMUNICATION OUTLET (DUPLICATED ON COMMS DRAWINGS AS COMBINATION DUPLEX RCT) WITH BARRIER BETWEEN RECEPTACLES		ELEVATOR CARD CALL BUTTON		REMOTE ANNUNCIATOR PANEL
	UTILITY POLE		COMBINATION MULTI-RECEPTACLE/TELECOMMUNICATION FLOOR BOX (DUPLICATED ON COMMS DRAWINGS)		COMBINATION MULTI-RECEPTACLE/TELECOMMUNICATION FLOOR BOX (DUPLICATED ON COMMS DRAWINGS)		MAGNETIC LOCK RELEASE/RESET KEY		FIRE ALARM ZONE NUMBER
	POWER AND/OR DISTRIBUTION PANELBOARD – SURFACE MOUNTED		LINE DENOTES ABOVE COUNTER HEIGHT OUTLET 1200 AFF OR 300 ABOVE COUNTER, UNLESS OTHERWISE NOTED		LINE DENOTES ABOVE COUNTER HEIGHT OUTLET 1200 AFF OR 300 ABOVE COUNTER, UNLESS OTHERWISE NOTED		ELECTRIC DOOR STRIKE		CO2 ABORT STATION
	PAD MOUNT TRANSFORMER		<u>DESIGNATIONS FOR RECEPTACLE TYPES</u> A RACK RECEPTACLE L-20R B L21–20R C CEILING D DEPRESSED WITH FLOOR SLAB/ACCESS FLOOR E ENCLOSURE F FURNITURE MTD GFCI GROUND FAULT CIRCUIT INTERRUPTER H 5–30R S MTD ON SURFACE OF FLOOR U UNDERFLOOR		<u>DESIGNATIONS FOR RECEPTACLE TYPES</u> A RACK RECEPTACLE L-20R B L21–20R C CEILING D DEPRESSED WITH FLOOR SLAB/ACCESS FLOOR E ENCLOSURE F FURNITURE MTD GFCI GROUND FAULT CIRCUIT INTERRUPTER H 5–30R S MTD ON SURFACE OF FLOOR U UNDERFLOOR		INFRA RED DETECTOR		ACTIVE FIELD DEVICE – COMBINATION CONTROL AND MONITOR MODULE
	SUSPENDED TRANSFORMER		DIRECT CONNECTION TO EQUIPMENT		DIRECT CONNECTION TO EQUIPMENT		COMBINATION HEAT AND SMOKE DETECTOR		CO2 DUMP STATION
	DENOTES PANEL		THERMOSTAT		THERMOSTAT		EMERGENCY POWER OFF STATION		SPRINKLER SYSTEM FLOW ALARM SWITCH
	DENOTES SEQUENTIAL IDENTIFIER (1,2,3,...)		SWITCH HEATER/BLOWER		SWITCH HEATER/BLOWER		COMBINATION RATE OF RISE AND FIXED TEMPERATURE HEAT DETECTOR		DUCT SMOKE DETECTOR
	DENOTES REDUNDANCY IDENTIFIER (A,B)		HIGH/LOW TEMPERATURE THERMOSTAT		HIGH/LOW TEMPERATURE THERMOSTAT		ISOLATOR MODULE		INFRA RED DETECTOR
	DENOTES FLOOR (B,1,2,3) *UPS PANELS DENOTE PDU SOURCE		WEATHERPROOF PUSHBUTTON FOR POWER OPERATED DOOR		WEATHERPROOF PUSHBUTTON FOR POWER OPERATED DOOR		ALARM MONITOR CONTACT		POST INDICATOR VALVE
	DENOTES NON–LIFE SAFETY		FURNITURE FEED – POWER		FURNITURE FEED – POWER		PRESSURE SWITCH		FIRE ALARM RELAY
	DENOTES LIFE SAFETY		DYNAMIC GLASS WINDOW CONTROLLER		DYNAMIC GLASS WINDOW CONTROLLER		AREA SMOKE DETECTOR A – DENOTES ASPIRATION TYPE U – DENOTES BELOW RAISED FLOOR		FIRE ALARM BELL
	DENOTES LIGHTING		DYNAMIC GLASS ZONE CONTROLLER		DYNAMIC GLASS ZONE CONTROLLER		FIRE ALARM MANUAL PULL STATION (RED)		FIRE ALARM HORN
	DENOTES UNINTERRUPTIBLE POWER SUPPLY *U2A1 DENOTES FROM PDU–U2A		<u>CLOCK</u> NETWORK ATTACHED POE CLOCK WITH NETWORK CONNECTION ‘C’ – CEILING/PENDANT ‘W’ – WALL/SURFACE MOUNT ‘S’ – SINGLE SIDE ‘D’ – DOUBLE SIDE 2,5” 2,5”(64MM) DIGIT DISPLAY 4” 4”(100MM) DIGIT DISPLAY		<u>CLOCK</u> NETWORK ATTACHED POE CLOCK WITH NETWORK CONNECTION ‘C’ – CEILING/PENDANT ‘W’ – WALL/SURFACE MOUNT ‘S’ – SINGLE SIDE ‘D’ – DOUBLE SIDE 2,5” 2,5”(64MM) DIGIT DISPLAY 4” 4”(100MM) DIGIT DISPLAY		FIRE ALARM MINI HORN C/W STROBE LIGHT		STROBE LIGHT
	DISTRIBUTION PANEL		<u>MISCELLANEOUS</u>		<u>MISCELLANEOUS</u>		WARNING LIGHT		MANUAL RELEASE PULL STATION (BLUE)
	RECEPTACLE PANEL		<u>DESIGNATIONS FOR COMMUNICATION OUTLETS</u> XXX CABLE TERMINATION QUANTITY # MOUNTING STYLE S – SURFACE MTD P – PENDANT F – FURNITURE R – RACK MOUNT PATCH PANEL W – FLUSH WITH SURFACE WALL MOUNTED D – DEPRESSED WITH FLOOR SLAB/ACCESS FLOOR C – CEILING Q – OVERHEAD		<u>DESIGNATIONS FOR COMMUNICATION OUTLETS</u> XXX CABLE TERMINATION QUANTITY # MOUNTING STYLE S – SURFACE MTD P – PENDANT F – FURNITURE R – RACK MOUNT PATCH PANEL W – FLUSH WITH SURFACE WALL MOUNTED D – DEPRESSED WITH FLOOR SLAB/ACCESS FLOOR C – CEILING Q – OVERHEAD		ABORT PUSH BUTTON		END OF LINE DEVICE
	LIGHTING PANEL						FIREMAN'S TELEPHONE HANDSET		
	SWITCHBOARD								
	TRANSFORMER								
	POWER DISTRIBUTION UNIT								
SYMBOLS AND LEGEND AS APPLICABLE									

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ISSUES

No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-10-05
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PROJECT TITLE

CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

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9119-19-0162 / IBI 122260

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SHEET TITLE

ELECTRICAL LEGEND 1



SHEET NUMBER

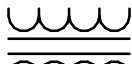
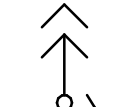


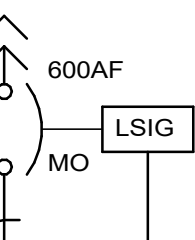
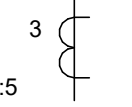

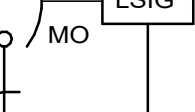
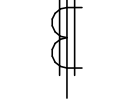
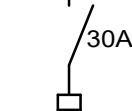
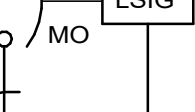
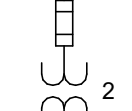
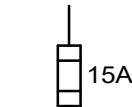
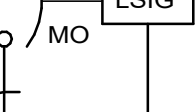
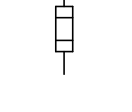
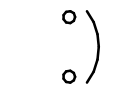
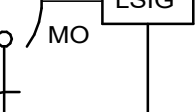
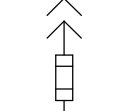
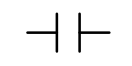
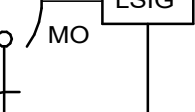
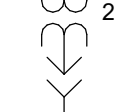

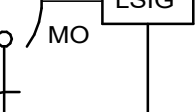
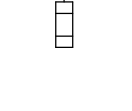

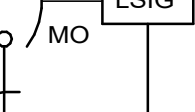

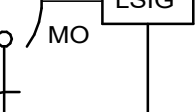
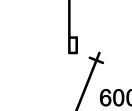
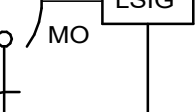
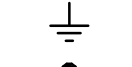
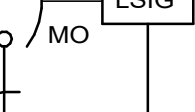
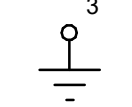
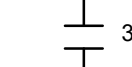


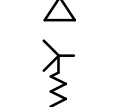

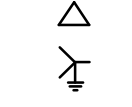
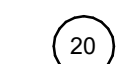
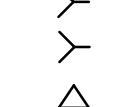


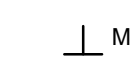


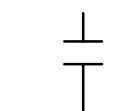
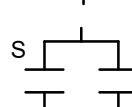
G14-GAL-G4001

ISSUE

D

BIW 380/1122260 - CoT TAU Upgrades R2020122260-TAU-G14-General-R20.rvt 1/10

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CONSULTANTS																			
SEAL																			
PRIME CONSULTANT																			
<div><div></div><div>IBI GROUP 175 Galaxy Blvd, Unit 100 Toronto, ON M9W 0C9, Canada tel 416 679 1930 fax 416 675 4620 ibigroup.com</div></div>																			
PROJECT TITLE																			
CITY OF TORONTO ACCESSIBILITY UPGRADES																			
PROJECT ADDRESS																			
PROJECT NO: 9119-19-0162 / IBI 122260																			
<table><tr><td>DRAWN BY: V. MAC</td><td>CHECKED BY: M. BOJIC</td></tr><tr><td>PROJECT MGR: L. SOSA</td><td>APPROVED BY: P. WILLIAMS</td></tr></table>					DRAWN BY: V. MAC	CHECKED BY: M. BOJIC	PROJECT MGR: L. SOSA	APPROVED BY: P. WILLIAMS											
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PROJECT MGR: L. SOSA	APPROVED BY: P. WILLIAMS																		
SHEET TITLE																			
ELECTRICAL LEGEND 2																			
SHEET NUMBER																			
G14-GAL-G4002																			
ISSUE																			
D																			

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION		ABBREVIATIONS		ABBREVIATIONS					
<u>SINGLE LINE</u>														
	POWER TRANSFORMER		DRAWOUT LOW VOLTAGE CIRCUIT BREAKER		CONTROL TRANSFORMER	AFF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTRE					
	TRANSFORMER		LOW VOLTAGE CIRCUIT BREAKER WITH SOLID STATE TRIP UNIT		CURRENT TRANSFORMER, NUMBERS DENOTE QUANTITY AND RATIO	BIX	BIX TYPE PUNCH DOWN IDC TERMINATION	MCOV	MAXIMUM CIRCUIT OPERATING VOLTAGE					
	LOW VOLTAGE DISCONNECT SWITCH (NUMBER DENOTES AMPERE RATING)		AF- BREAKER FRAME UNIT		ZERO SEQUENCE CURRENT TRANSFORMER	BKR	CIRCUIT BREAKER	MECH	MECHANICAL					
	LOW VOLTAGE FUSED DISCONNECT SWITCH (NUMBER DENOTES AMPERE RATING)		AT - TRIP RATING		FIXED FUSE AND FIXED POTENTIAL TRANSFORMER (PT) NUMBER DENOTES QUANTITY	BLDG	BUILDING	mm	MILLIMETER					
	FUSE (NUMBER DENOTES AMPERE RATING)		MO - MANUALLY OPERATED		WITHDRAWABLE FUSE AND WITHDRAWABLE POTENTIAL TRANSFORMER (PT) NUMBER DENOTES QUANTITY	BLR	BOILER	mmC	TRADE SIZE CONDUIT IN MILLIMETERS					
	CIRCUIT BREAKER		EO - ELECTRICALLY OPERATED		WITHDRAWABLE FUSE AND FIXED POTENTIAL TRANSFORMER (PT) NUMBER DENOTES QUANTITY	BOT	BOTTOM OF TRAY	MO	MANUALLY OPERATED					
	NORMALLY OPEN CONTACTS		L - LONG TIME TRIP FUNCTION		DIGITAL CIRCUIT MONITOR	BR	BRIDGE	MW	MICROWAVE					
	NORMALLY CLOSED CONTACTS		S - SHORT TIME TRIP FUNCTION		VARIABLE FREQUENCY DRIVE	CC	CONCENTRATOR COMPLEX	MTD	MOUNTED					
	RELAY COIL		I - INSTANTANEOUS			CD	CANDELA	NC	NORMALLY CLOSED					
	DRAWOUT OR PLUG-IN CONNECTION		A - GROUND FAULT ALARM			CP	CONTROL PANEL	NGR	NEUTRAL GROUNDING RESISTOR					
	MEDIUM VOLTAGE LOAD INTERRUPTER SWITCH - NUMBER DENOTES SWITCH RATING		G - GROUND FAULT TRIP FUNCTION			CTL	CONTROL	NIC	NOT IN CONTRACT					
	GROUND CONNECTION		LSIG			CW	COMPLETE WITH	NO	NORMALLY OPEN					
	LIGHTNING ARRESTER OR SURGE DIVERTER NUMBER DENOTES QUANTITY		CONTACTOR, NUMBER DENOTES SIZE OR RATING			CAT6	CATEGORY 6 CABLE	O/H	OVER HEAD					
	STRESS CONE		GENERATOR			COMMS	COMMUNICATIONS	OC	ON CENTRE					
	DELTA/WYE TRANSFORMER CONNECTION WITH WYE POINT RESISTANCE GROUNDED		POWER FACTOR CORRECTION CAPACITOR			CP	CONTROL PANEL	OESC	ONTARIO ELECTRICAL SAFETY CODE					
	DELTA/WYE TRANSFORMER CONNECTION WITH WYE POINT GROUNDED		MOTOR - NUMBER DENOTES SIZE (HP)			DISC	DISCONNECT	OVP	OVER VOLTAGE PROTECTION					
	WYE/WYE TRANSFORMER CONNECTION		NEON LIGHT VOLTAGE INDICATOR			DIV	DIVISION	PLATF	PLATFORM					
	DELTA/DELTA TRANSFORMER CONNECTION		MANUAL MOTOR STARTER			DSP	GROUND FAULT PROTECTION SYSTEM	PPT	PATCH PANEL TERMINATION					
	AUTOMATIC TRANSFER SWITCH		MAGNETIC MOTOR STARTER			DSP-CA	CABLE ADAPTER MODULE	R	REMOVE					
			TWO-SPEED MAGNETIC MOTOR STARTER			DSP-CAS	CABLE ADAPTER MODULE	RCT	RECEPTACLE					
			SURGE SUPPRESSOR			DSP-DFM	DSP FEEDER MODULE	RJ	U/UTP RJ45 CONNECTION					
						E	EXISTING TO REMAIN	RM	ROOM					
						EL	ELEVATION	RR	REMOVE AND RELOCATE					
						ELEV	ELEVATOR	SC	SHORT CIRCUIT					
						EMS	ENERGY MANAGEMENT SYSTEM	SLD	SINGLE LINE DIAGRAM					
						EO	ELECTRICALLY OPERATED BREAKER	SP	SPARE					
						ETSP	ELECTRONIC TRAP SEAL PRIMER	SRP	SUPPRESSION RELEASE PERIPHERAL					
						EX	EXISTING	ST	SHUNT TRIP					
						FB#1	FEEDER CIRCUIT BREAKER (#1 DENOTES NUMBER)	STN	STATION					
						FEPO	FIREMAN EMERGENCY POWER OFF	STP	SHIELDED TWISTED PAIR CABLE					
						GFR	GROUND FAULT RELAY	STS	STATIC TRANSFER SWITCH					
						GND	GROUND	SW	SWITCH					
						HT	HEAT TRACING	SWBD	SWITCH BOARD					
						HTR	HEATER	SWGR	SWITCH GEAR					
						HOA	HAND-OFF-AUTO	TB	TIE CIRCUIT BREAKER					
						HVAC	HEATING - VENTILATION AND AIR CONDITIONING	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR					
						IAM	INDIVIDUAL ADDRESSABLE MODULE	TYP	TYPICAL					
						LAV	LAVATORY	U/G	UNDER GROUND					
						LCD	LIQUID CRYSTAL DISPLAY	UON	UNLESS OTHERWISE NOTED					
						LED	LIGHT EMITTING DIODE	VFD	VARIABLE FREQUENCY DRIVE					
						LSIA	LONG TIME TRIP; SHORT TIME TRIP; INSTANTANEOUS TRIP; GROUND FAULT ALARM	WP	WEATHER PROOF					
						LSIG	LONG TIME TRIP; SHORT TIME TRIP; INSTANTANEOUS TRIP; GROUND FAULT TRIP	XP	EXPLOSION PROOF					
						LVL	LEVEL	*	REFER TO A-002 FOR ABBREVIATIONS NOT INCLUDED IN THIS LIST					
						LVR	LAYOVER							
						MB	MAIN CIRCUIT BREAKER							
						MBPS	UPS - MAINTENANCE BY-PASS SWITCH - EXTERNAL							
SYMBOLS AND LEGEND AS APPLICABLE					SYMBOLS AND LEGEND AS APPLICABLE					SYMBOLS AND LEGEND AS APPLICABLE				

MOUNTING HEIGHTS SCHEDULE	
MOUNTING HEIGHTS TO TOP OF DEVICE.	
ALL DIMENSIONS ARE ABOVE FINISHED FLOOR (AFF) UNLESS NOTED OTHERWISE.	
LIGHT SWITCH	1050mm
RECEPTACLE - FINISHED AREAS	460mm
RECEPTACLE - UNFINISHED AREAS	1050mm
RECEPTACLE - ABOVE COUNTER	300mm
DATA OUTLET - FINISHED AREA	460mm
DATA OUTLET - UNFINISHED AREA	1050mm
FIRE ALARM MANUAL PULL STATION	1200mm
FIRE ALARM HORN/STROBE	2460mm
FIRE ALARM STROBE	2460mm
FIRE ALARM END OF LINE DEVICE	1500mm
FIRE ALARM HEAT DETECTOR	CEILING
FIRE ALARM SMOKE DETECTOR	CEILING
FIRE ALARM REMOTE ANNUNCIATOR	2000mm
PANEL	2000mm
CONTROL PANEL	2000mm
MOTOR STARTER	1800mm
DISCONNECT SWITCH	1800mm
PUSH BUTTON STATION	1050mm
DOOR ACCESS CONTROL CARD READER	1050mm
VIDEO INTERCOM	AS PER MANUF. INSTRUCTION
DOOR BY-PASS KEYED SWITCH	1050mm
BATTERY OPERATED EMERGENCY LIGHT	2700mm
EMERGENCY LIGHT BATTERY UNIT	2700mm
THERMOSTAT	1200mm
MOUNTING HEIGHTS AS APPLICABLE	

1. PROVIDE 1-#6 GND WIRE FOR ALL UNDERGROUND EMPTY CONDUITS AND COMMUNICATIONS CONDUITS WITHOUT METAL WIRING/CABLES TO FACILITATE FUTURE INSTALLATION.
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 48XL-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. ELEVATOR FIRE ALARM AUTOMATIC RECALL:
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 RECALL 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 FOR CONCRETE PULL BOXES OR 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.

No.	DESCRIPTION	DATE
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B	90% SUBMISSION	2021-12-17
C	PERMIT SUBMISSION	2021-12-17
D	ISSUED FOR TENDER	2022-02-16

CITY OF TORONTO

ACCESSIBILITY UPGRADES

TYPICAL DETAILS BOOKLET

9119- 19- 0162 / IBI 122260

ARCHITECTURAL TYPICAL DETAILS INDEX	
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D1001	ACCESSIBILITY DESIGN STANDARDS AND DOOR CLEARANCES
D1002	DOOR ENLARGEMENT
D1201	ACCESSIBLE WASHROOM, SHOWER & ACCESSORIES DETAILS
D1202	RESERVED
D1203	RESERVED
D1204	MULTI-STALL WASHROOM PLANS
D1205	RESERVED
D1301	KITCHEN MILLWORK PLANS & ELEVATIONS
D1302	KITCHEN MILLWORK DETAIL SECTIONS
D1303	RESERVED
D1305	RESERVED
D1306	RESERVED
D1401	STAIR DETAILS - 01
D1402	STAIR DETAILS - 02
D1403	GUARD RAIL & RAMP DETAILS
D1404	RAMP DETAILS - 02
D1405	TACTILE DETAILS
D1501	MISCELLANEOUS DETAILS - 01
D1502	MISCELLANEOUS DETAILS - 02
D1601	RESERVED
D1602	ELEVATOR CONTROL & INTERIOR CABIN DETAILS
D1701	ACCESSIBLE PARKING AND SITE MARKING DETAILS
D1702	CURB DETAILS
D1801	PHASING / HOARDING DETAILS

STRUCTURAL TYPICAL DETAILS INDEX	
SHEET #	SHEET TITLE
D2100	CONCRETE - TYPICAL DETAIL
D2200	STRUCTURAL STEEL DETAILS - 1
D2201	STRUCTURAL STEEL DETAILS - 2
D2300	MASONRY DETAILS

MECHANICAL TYPICAL DETAILS INDEX	
SHEET #	SHEET TITLE
D3201	PLUMBING DETAILS
D3301	DRAINAGE DETAILS
D3401	FIRE PROTECTION DETAILS
D3501	HVAC DETAILS
D3601	PIPING DETAILS SHEET 1 OF 2
D3602	PIPING DETAILS SHEET 2 OF 2

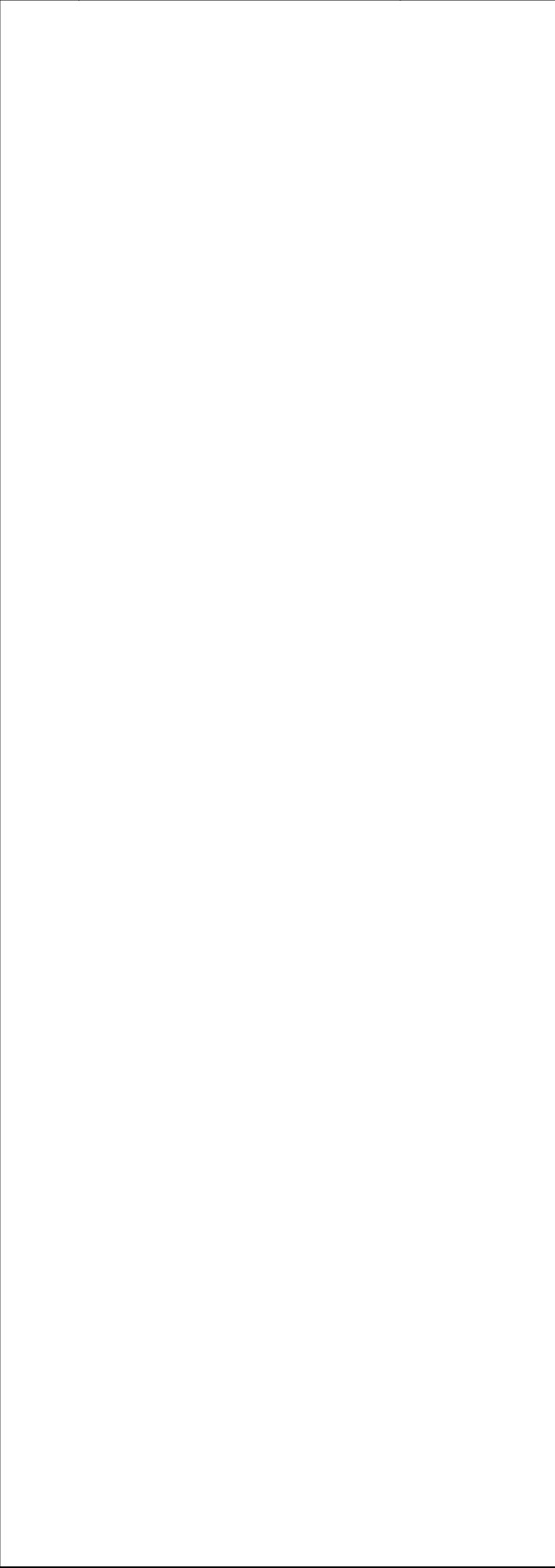
ELECTRICAL TYPICAL DETAILS INDEX	
SHEET #	SHEET TITLE
D4001	ELECTRICAL DETAILS 1

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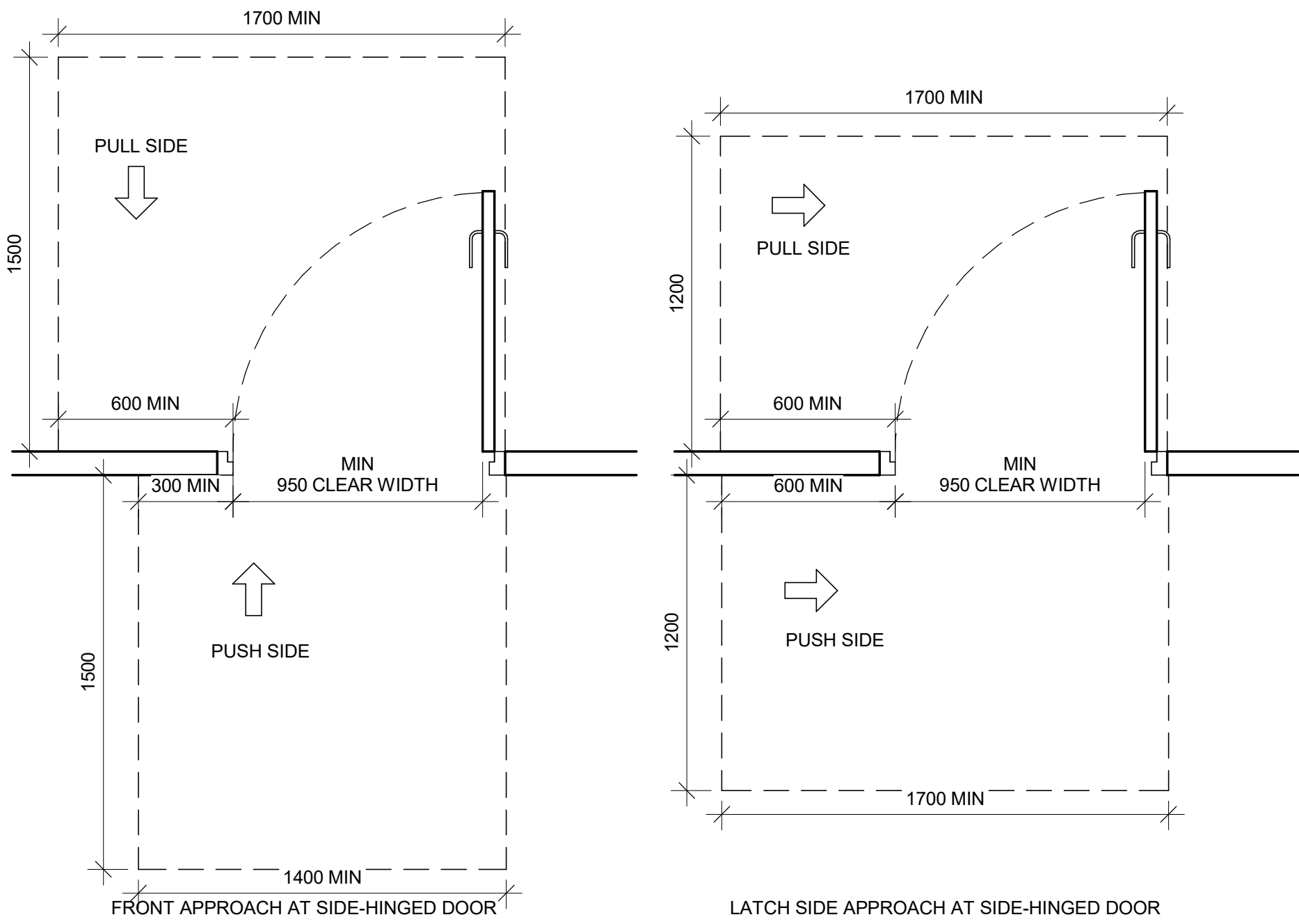


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SHEET NUMBER D1000	ISSUE D

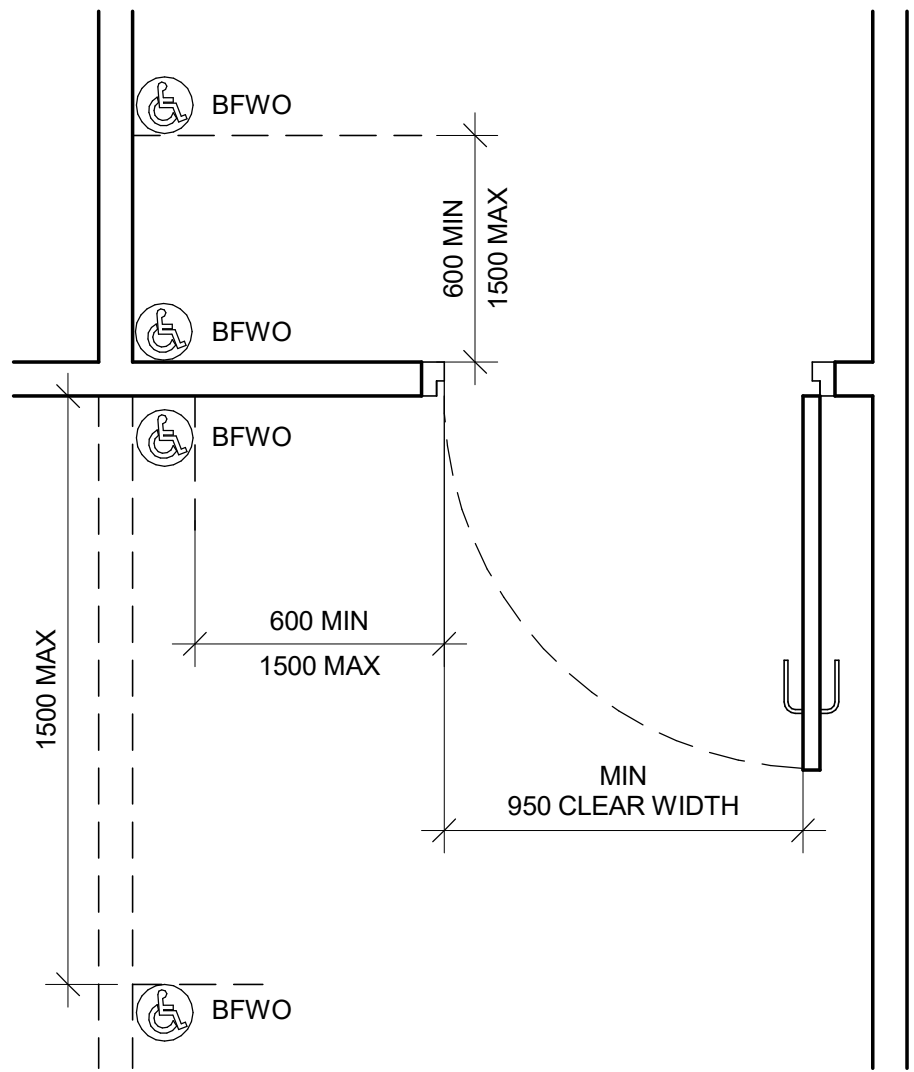
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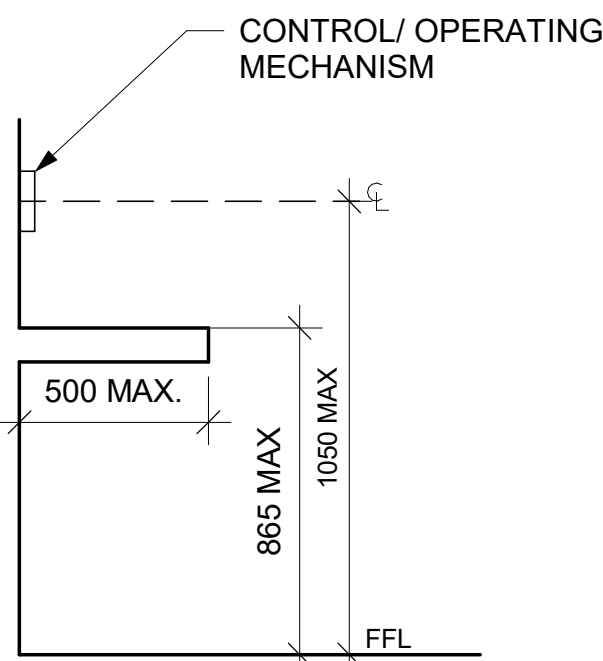
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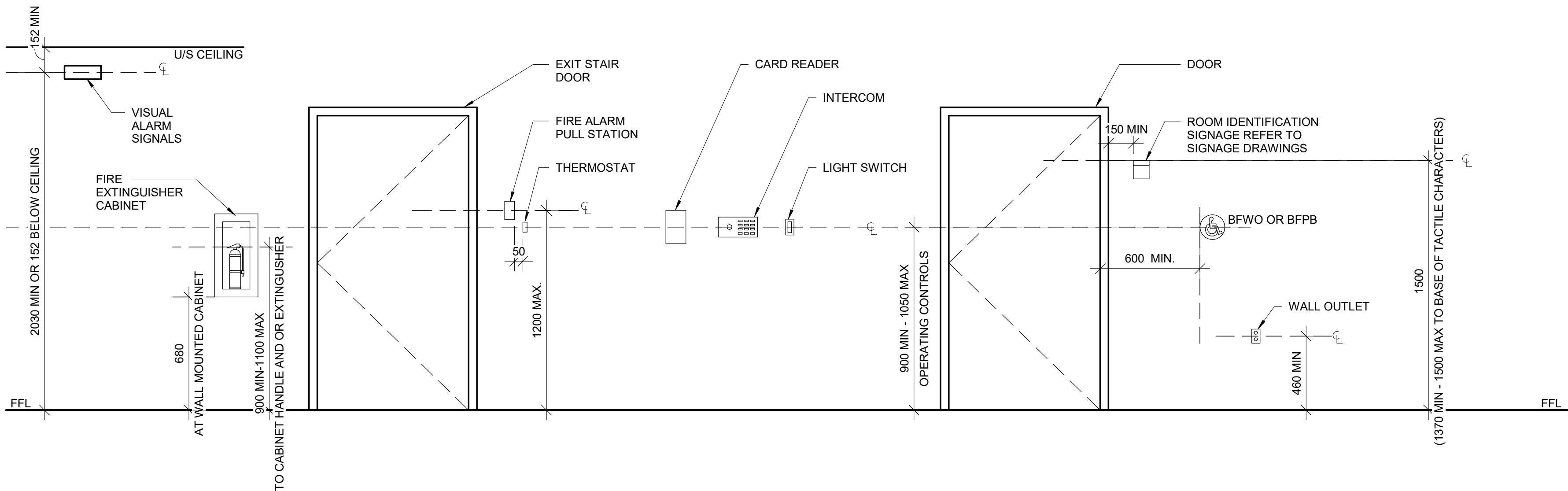
2 DOOR APPROACH CLEARANCES
D1001 Scale: 1 : 20



3 BARRIER-FREE WAVE TO OPEN LOCATION
D1001 Scale: 1 : 20



4 CONTROL HEIGHTS AT OBSTRUCTIONS
D1001 Scale: 1 : 20



5 MOUNTING HEIGHTS
D1001 Scale: 1 : 20

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PRIME CONSULTANT

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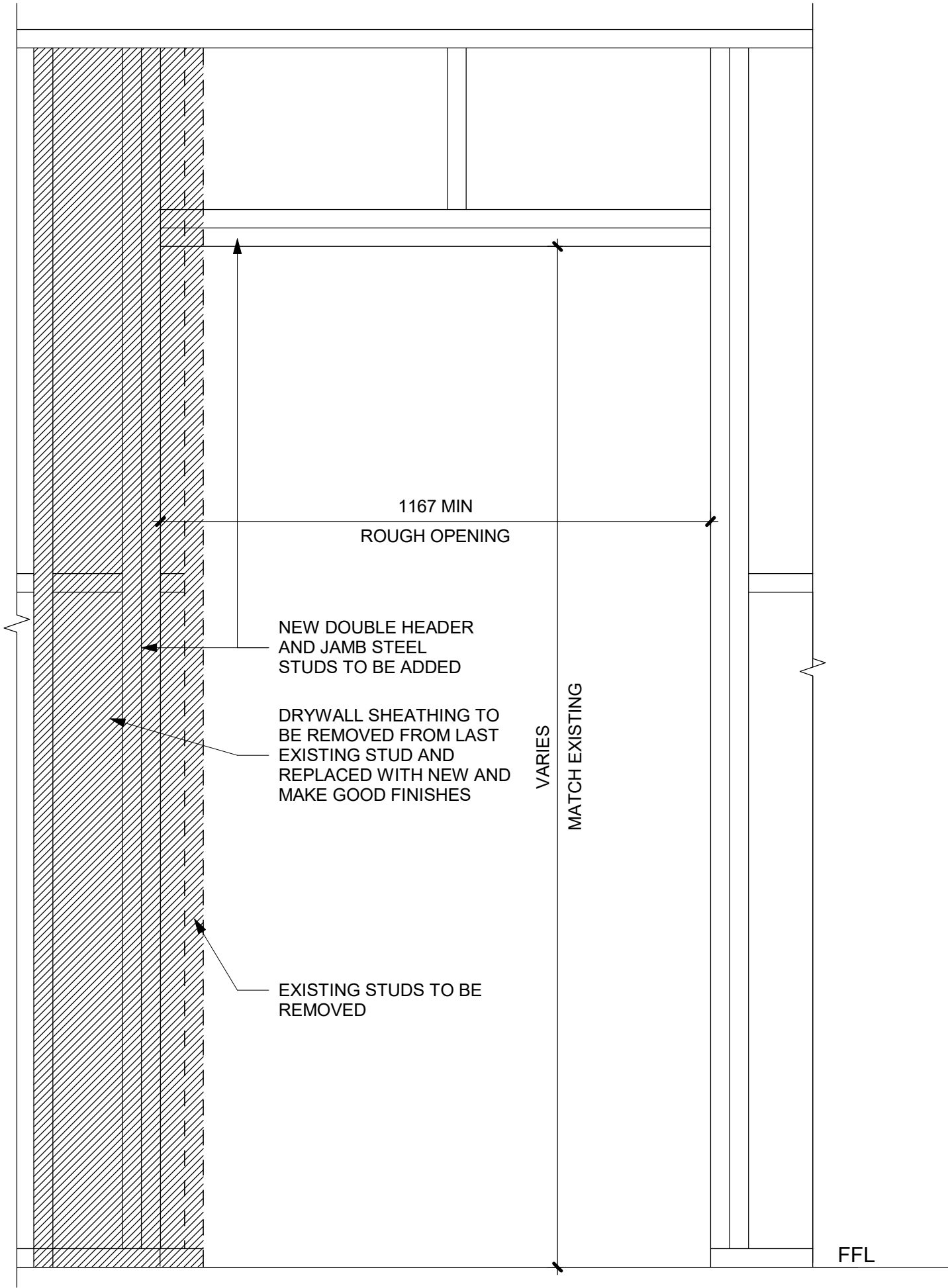
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**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

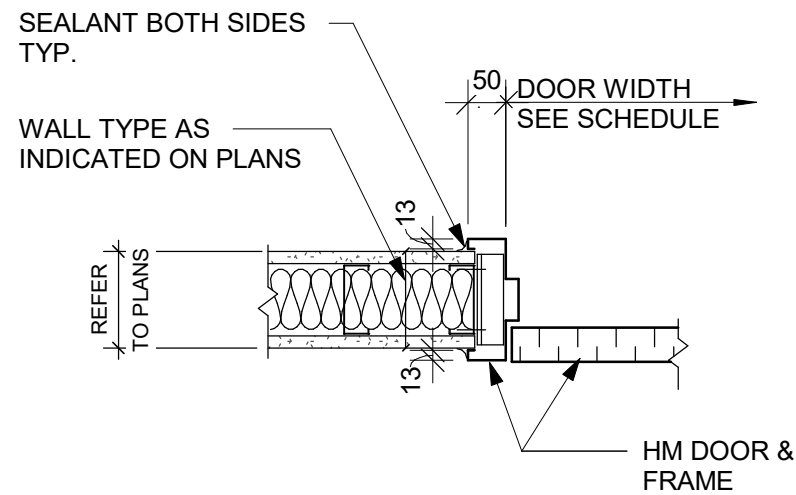
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9119- 19- 0162 / IBI 122260
DRAWN BY:
A. BOYNARIAN
PROJECT MGR:
L. SOSA
CHECKED BY:
L. BANDIERA
APPROVED BY:
M. KOTBY

SHEET TITLE
**ACCESSIBILITY DESIGN
STANDARDS AND DOOR
CLEARANCES**

SHEET NUMBER D1001	ISSUE D
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1 DRYWALL - DOOR CUTOUT DETAIL
D1002 Scale: 1 : 10



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

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

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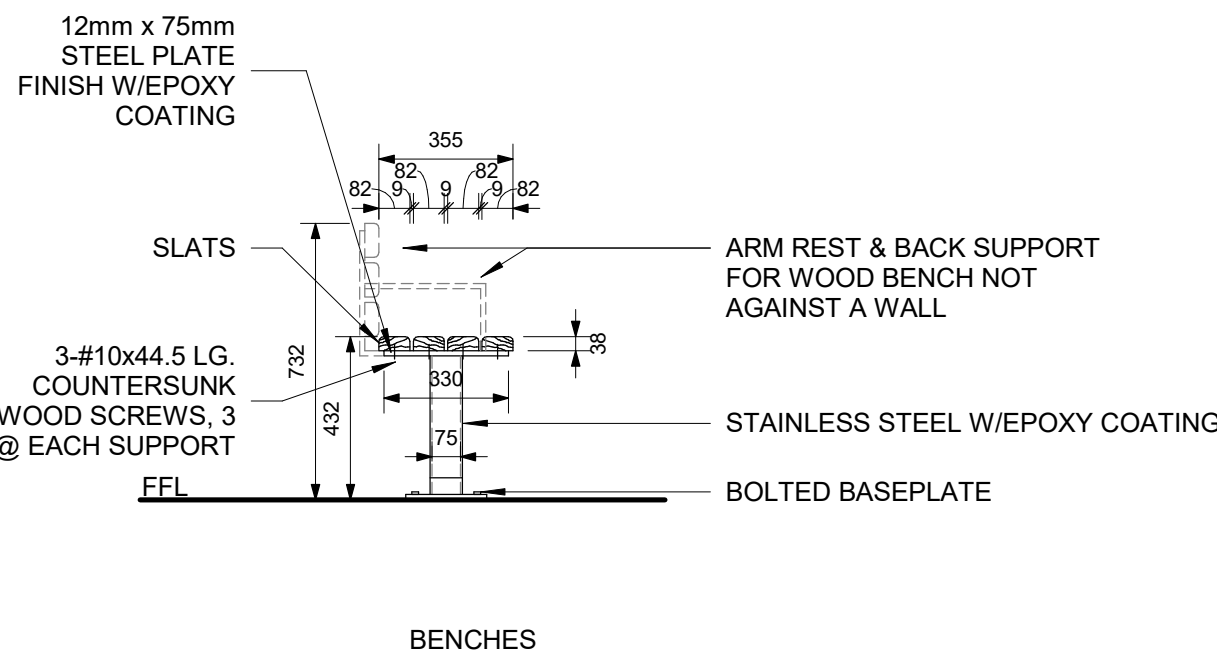
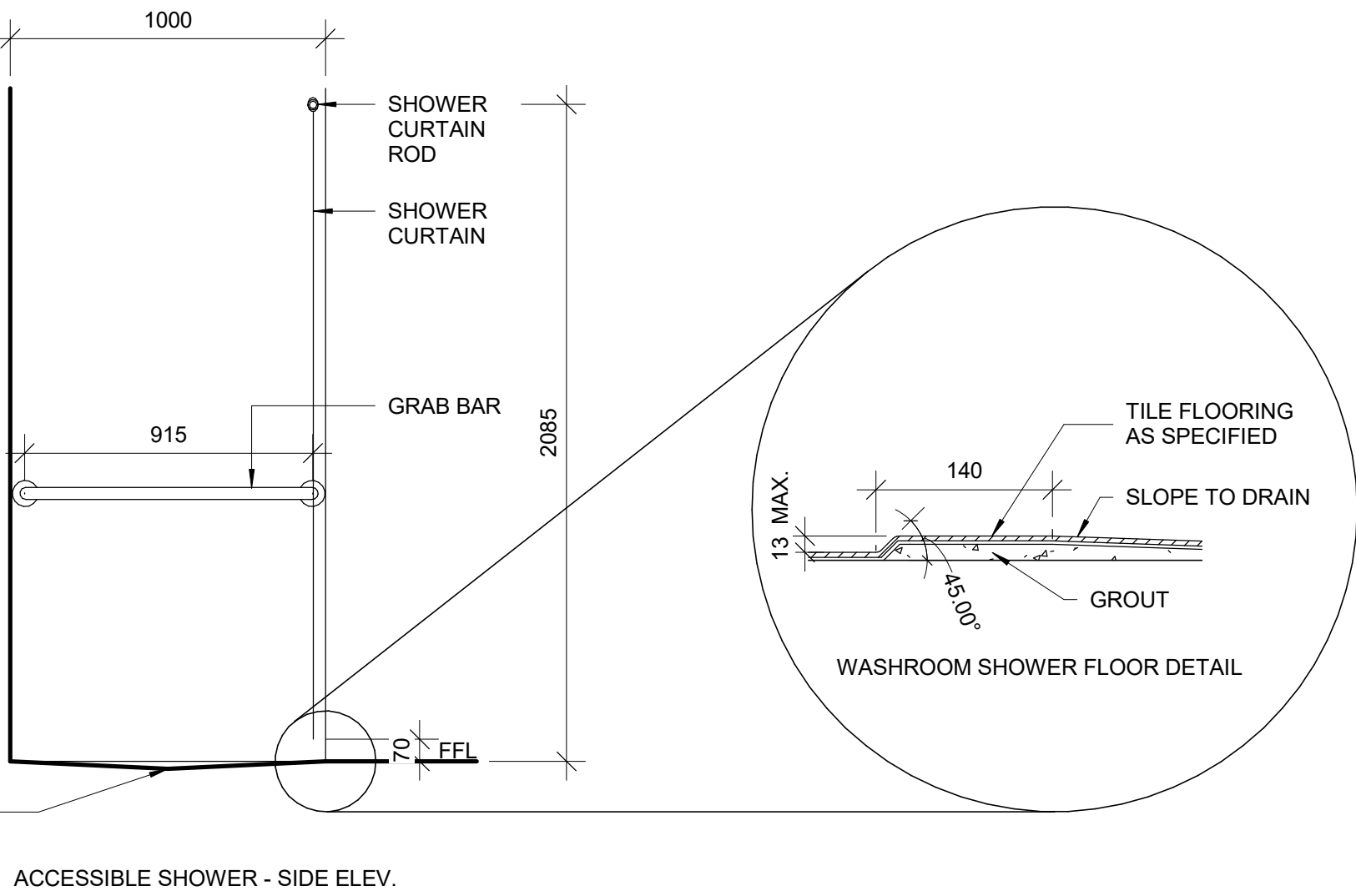
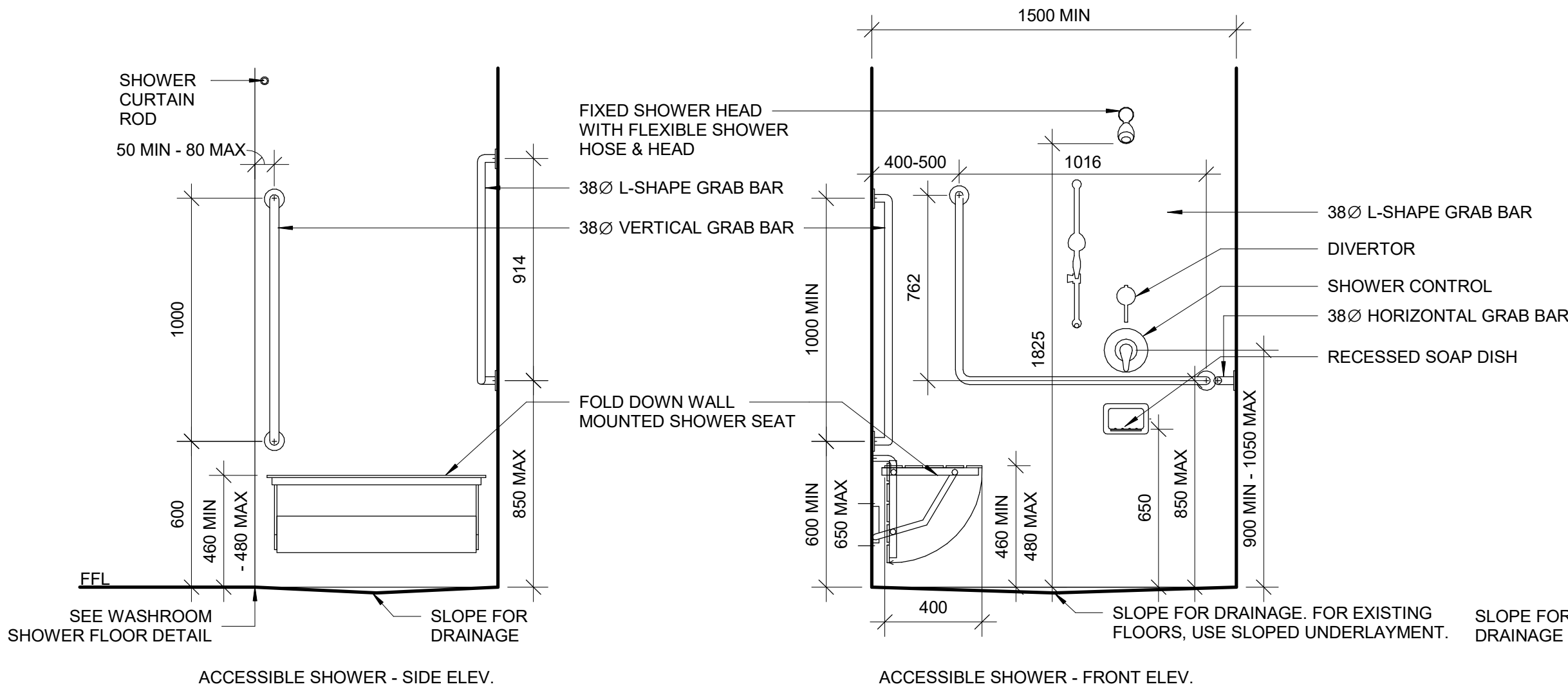
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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

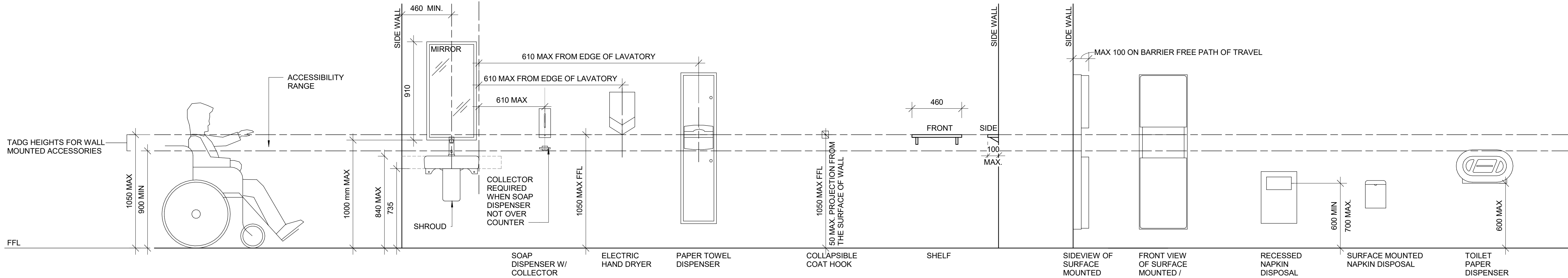
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DRAWN BY: A. BOYNARIAN	CHECKED BY: L. BANDIERA
PROJECT MGR: L. SOSA	APPROVED BY: M. KOTBY

SHEET TITLE
DRYWALL CUT OUT

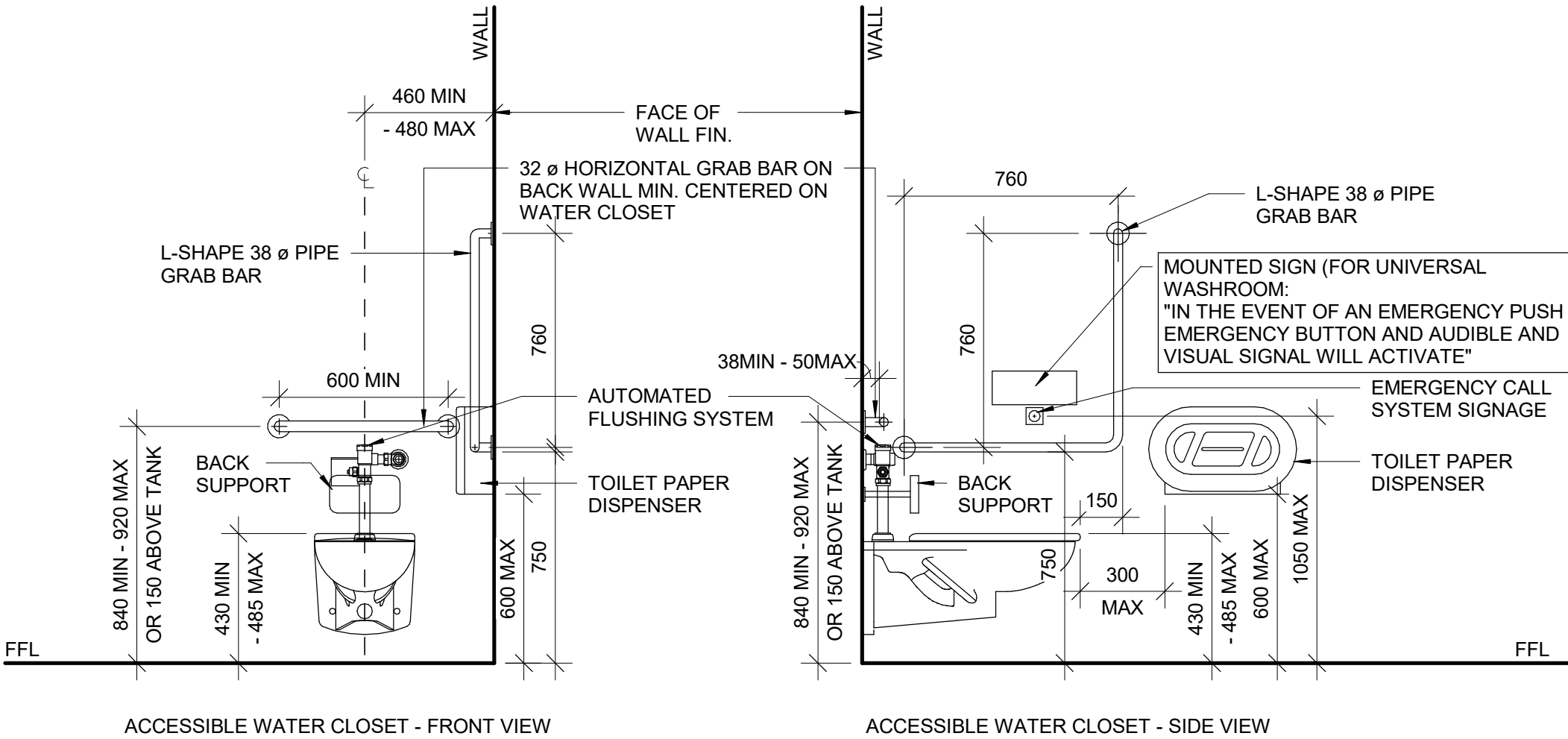
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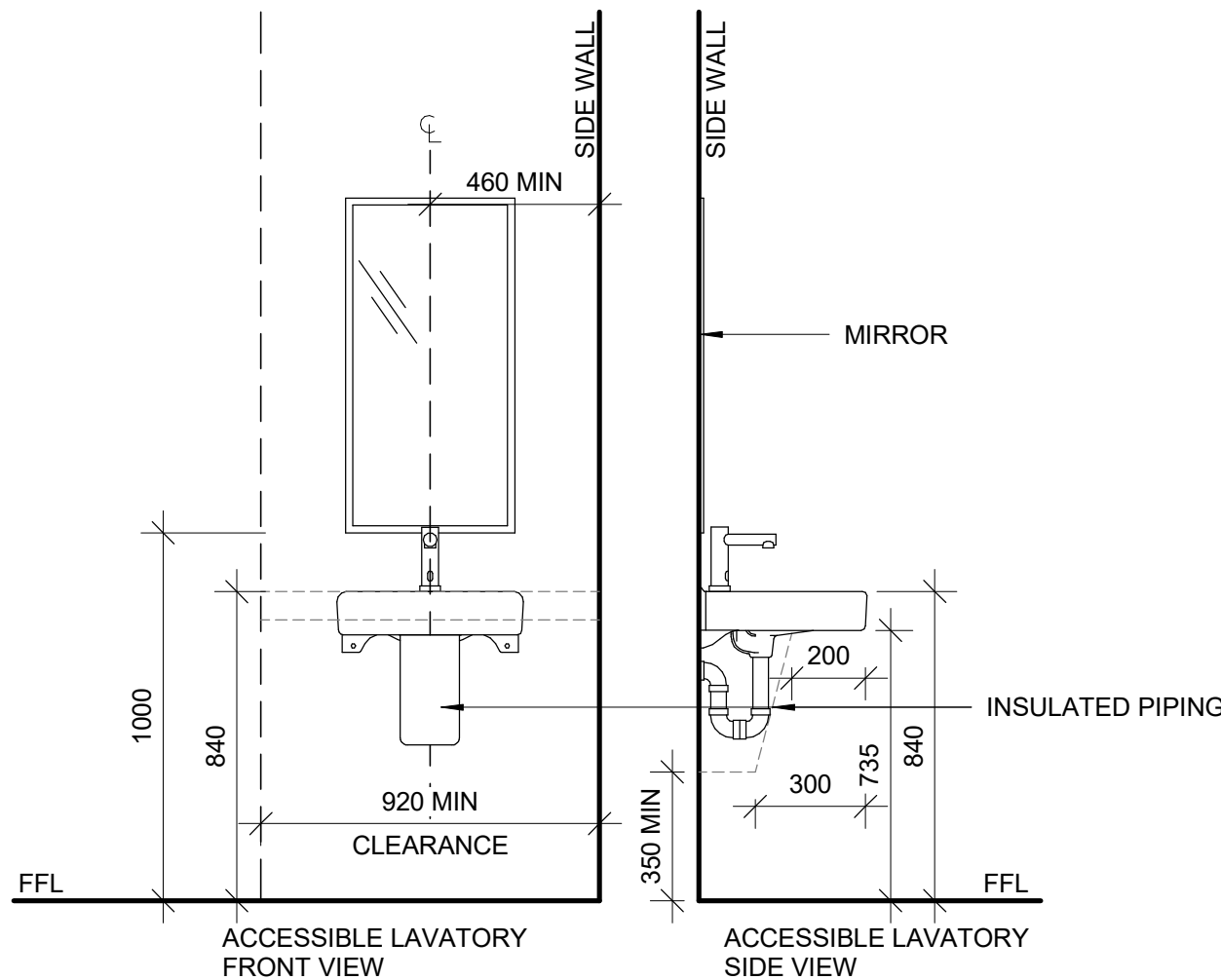
1 ACCESSIBLE SHOWER ACCESSORIES
D1201 Scale: 1 : 20



2 ACCESSIBLE WASHROOM - ACCESSORIES
D1201 Scale: 1 : 20

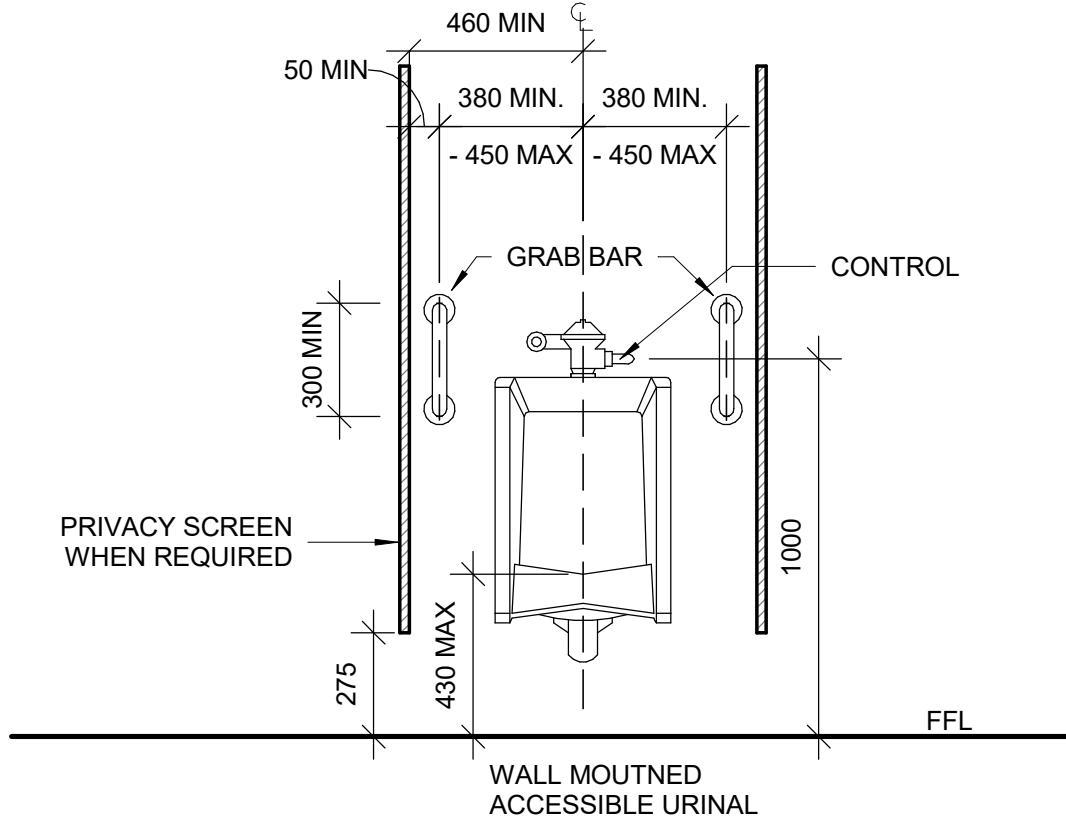


3 ACCESSIBLE WASHROOM - WATER CLOSET
D1201 Scale: 1 : 20



4 ACCESSIBLE WASHROOM - LAVATORY
D1201 Scale: 1 : 20

NOTE:
1. WHEN REPLACING EXISTING URINAL WITH NEW, PATCH AND REPAIR EXISTING WALL. REPLACE WALL FINISHES AS REQUIRED. COLOUR TO MATCH EXISTING.
2. MOISTURE RESISTANT GYPSUM BOARD TO BE PROVIDED IN ALL WASHROOMS AND LOCKER ROOMS.
3. PROVIDE WALL REINFORCEMENT TO SUPPORT FUTURE ADULT CHANGE TABLE MINIMUM LOAD OF 1.33 KN AND POWER OUTLET.



5 ACCESSIBLE WASHROOM - URINAL
D1201 Scale: 1 : 20

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C	ISSUED FOR PERMIT	2021-09-10
D	ISSUED FOR TENDER	2022-02-16

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Toronto, ON M9W 0C9, Canada
tel 416 679 1930 fax 416 675 4620
ibigroup.com

PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260
DRAWN BY:
A. BOYNARIAN
PROJECT MGR:
L. SOSA
CHECKED BY:
L. BANDIERA
APPROVED BY:
M. KOTBY

SHEET TITLE
**ACCESSIBLE
WASHROOM, SHOWER &
ACCESSORIES DETAILS**

SHEET NUMBER
D1201
ISSUE
D

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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES



PROJECT ADDRESS

PROJECT NO: 9119- 19- 0162 / IBI 122260	
DRAWN BY: A. BOYNARIAN	CHECKED BY: L. BANDIERA
PROJECT MGR: L. SOSA	APPROVED BY: M. KOTBY

SHEET TITLE
RESERVED

SHEET NUMBER D1202	ISSUE D
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 <div>IBI GROUP 175 Galaxy Blvd. Unit 100 Toronto, ON M9W 0C9, Canada tel 416 679 1930 fax 416 675-4620 ibigroup.com</div>		
PROJECT TITLE		
CITY OF TORONTO ACCESSIBILITY UPGRADES		
PROJECT ADDRESS		
PROJECT NO: 9119- 19- 0162 / IBI 122260		
DRAWN BY: A. BOYNARIAN		CHECKED BY: L. BANDIERA
PROJECT MGR: L. SOSA		APPROVED BY: M. KOTBY
SHEET TITLE		
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SHEET NUMBER		ISSUE
D1203		D

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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260

DRAWN BY: A. BOYNARIAN	CHECKED BY: L. BANDIERA
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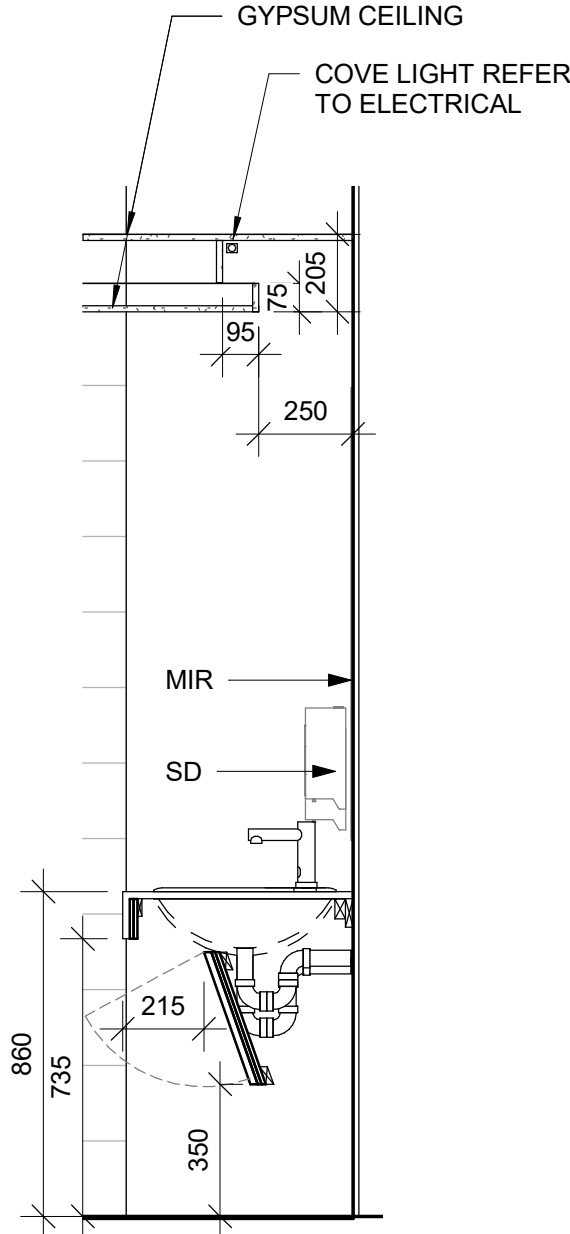
PROJECT MGR: L. SOSA	APPROVED BY: M. KOTBY
SHEET TITLE RESERVED	

SHEET NUMBER	ISSUE
D1203	D

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- UNIVERSAL WASHROOM GENERAL NOTES:**
1. ALL DIMENSIONS ARE TAKEN FROM FINISH FLOOR SURFACE.
 2. MOISTURE RESISTANT GYPSUM BOARD TO BE PROVIDED IN ALL WASHROOMS AND LOCKER ROOMS.
 3. SEE STANDARD MOUNTING HEIGHT DETAILS 2/D1201, 3/D1201, 4/D1201 & 5/D1202
 4. WASHROOM ARRANGMENTS FOR ILLUSTRATION PURPOSES - REFER TO EACH BUILDING ENLARGED PLAN WASHROOM FOR EXACT ARRANGEMENT

3 SECTION THROUGH VANITY
D1204 Scale: 1 : 20

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PROJECT TITLE
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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260

DRAWN BY: A. BOYNARIAN	CHECKED BY: L. BANDIERA
PROJECT MGR: L. SOSA	APPROVED BY: M. KOTBY

SHEET TITLE
WASHROOM VANITY
SECTION

SHEET NUMBER
D1204

ISSUE
D

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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260

DRAWN BY:
A. BOYNARIAN

CHECKED BY:
L. BANDIERA

PROJECT MGR:
L. SOSA

APPROVED BY:
M. KOTBY

SHEET TITLE

RESERVED

SHEET NUMBER

D1205

ISSUE

D

BIW 380//122260 - CoT TAU Upgrades R2020122260-TAU-G28-Detail-R20.rvt

1 m

10mm



- NOTE:**
1. ALL APPLIANCES ARE OUT OF SCOPE AND ARE FOR INDICATION PURPOSES ONLY
 2. CONTRACTOR TO CONFIRM APPLIANCES SIZES PRIOR FABRICATION

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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:	9119- 19- 0162 / IBI 122260
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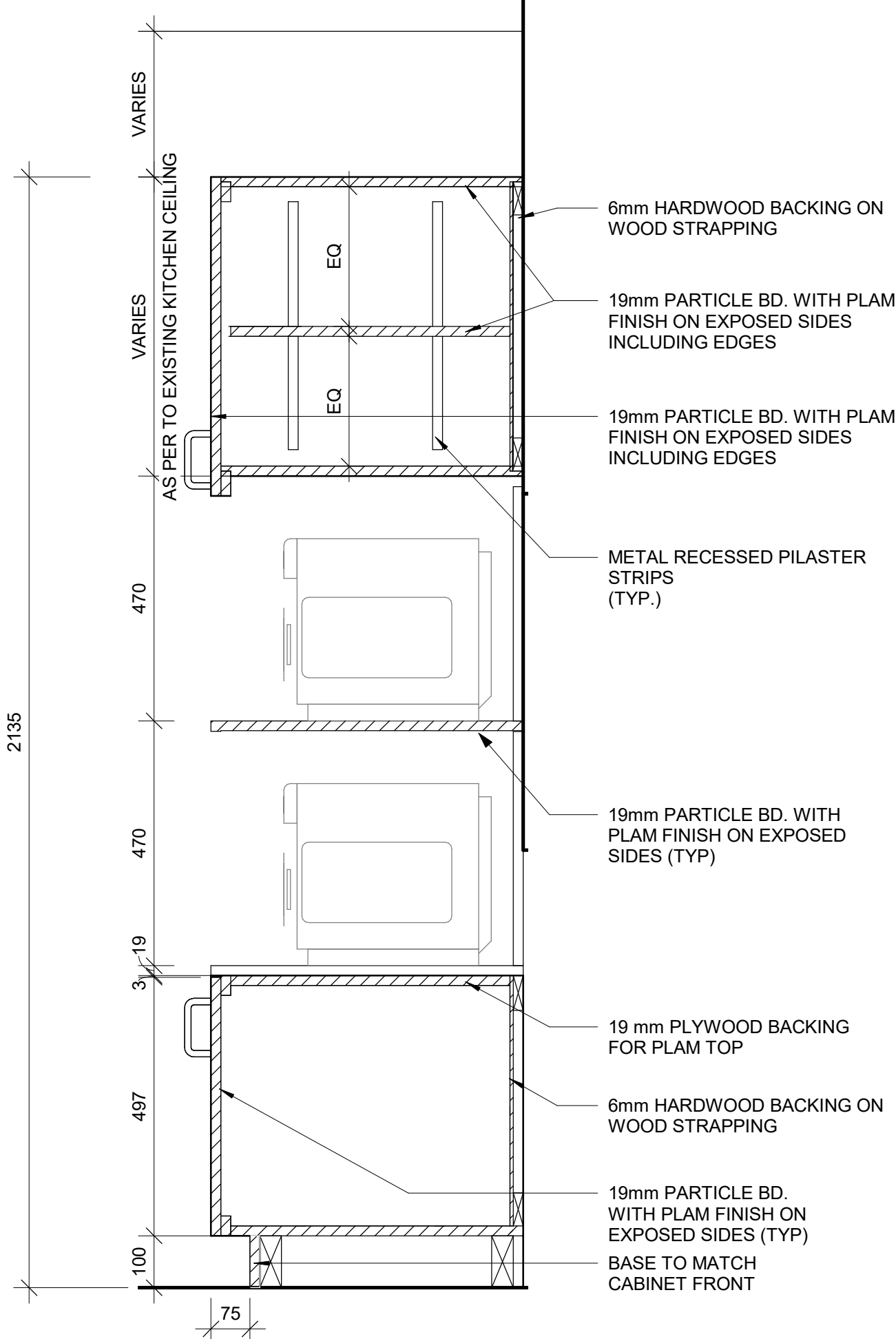
DRAWN BY: A. BOYNARIAN	CHECKED BY: L. BANDIERA
PROJECT MGR: L. SOSA	APPROVED BY: M. KOTBY

SHEET TITLE
KITCHEN MILLWORK
PLANS & ELEVATIONS

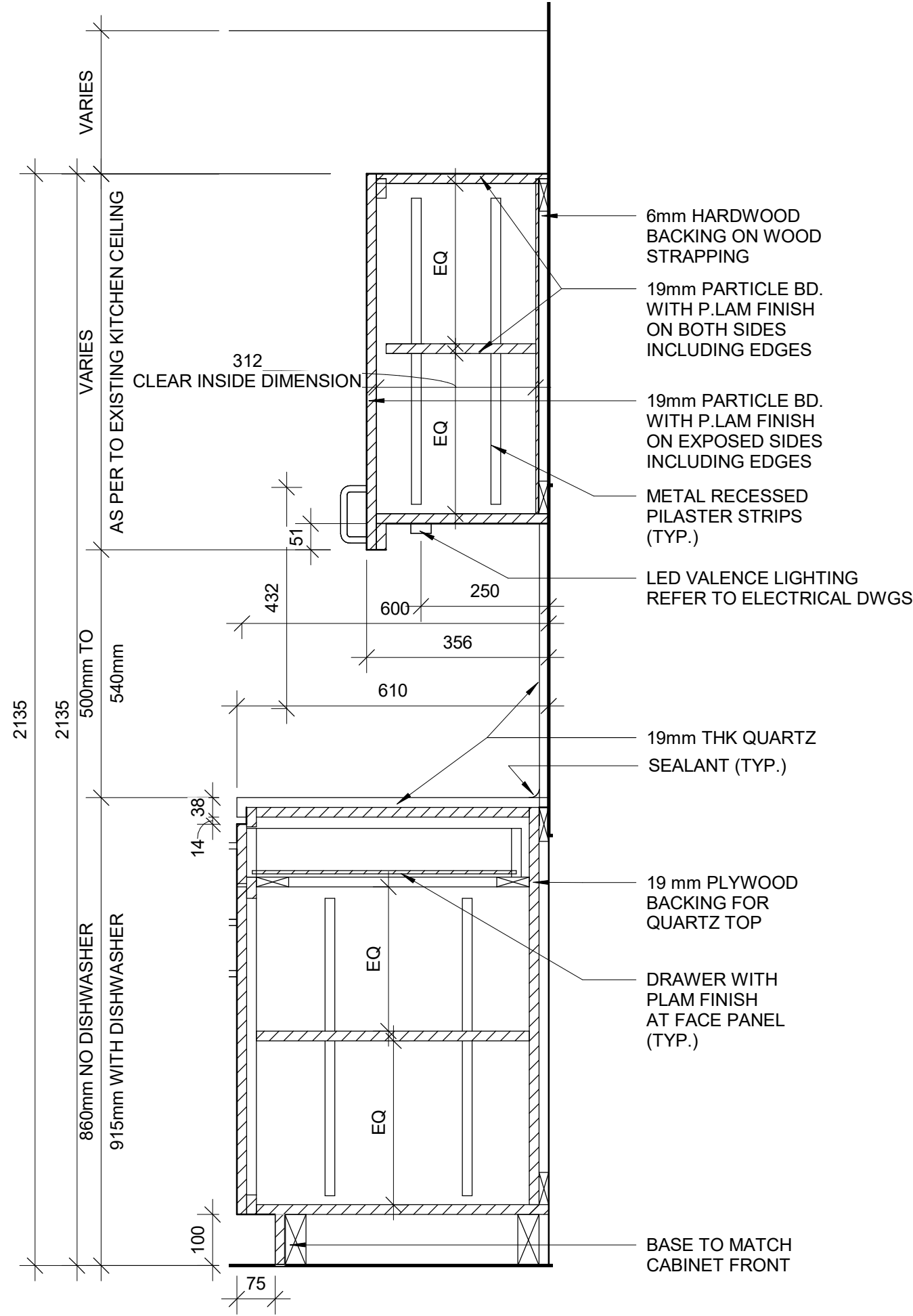
SHEET NUMBER
D1301

ISSUE
D

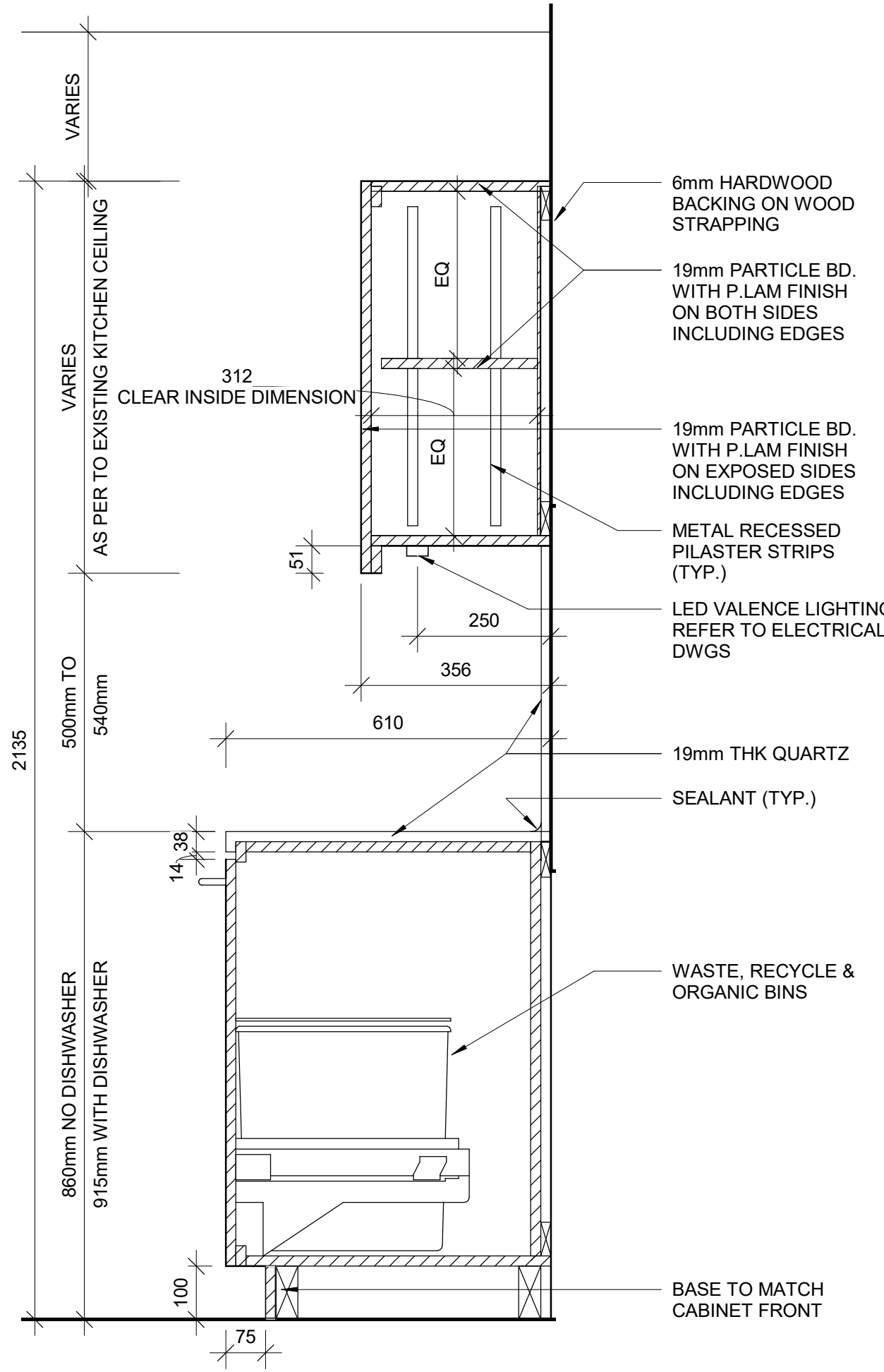
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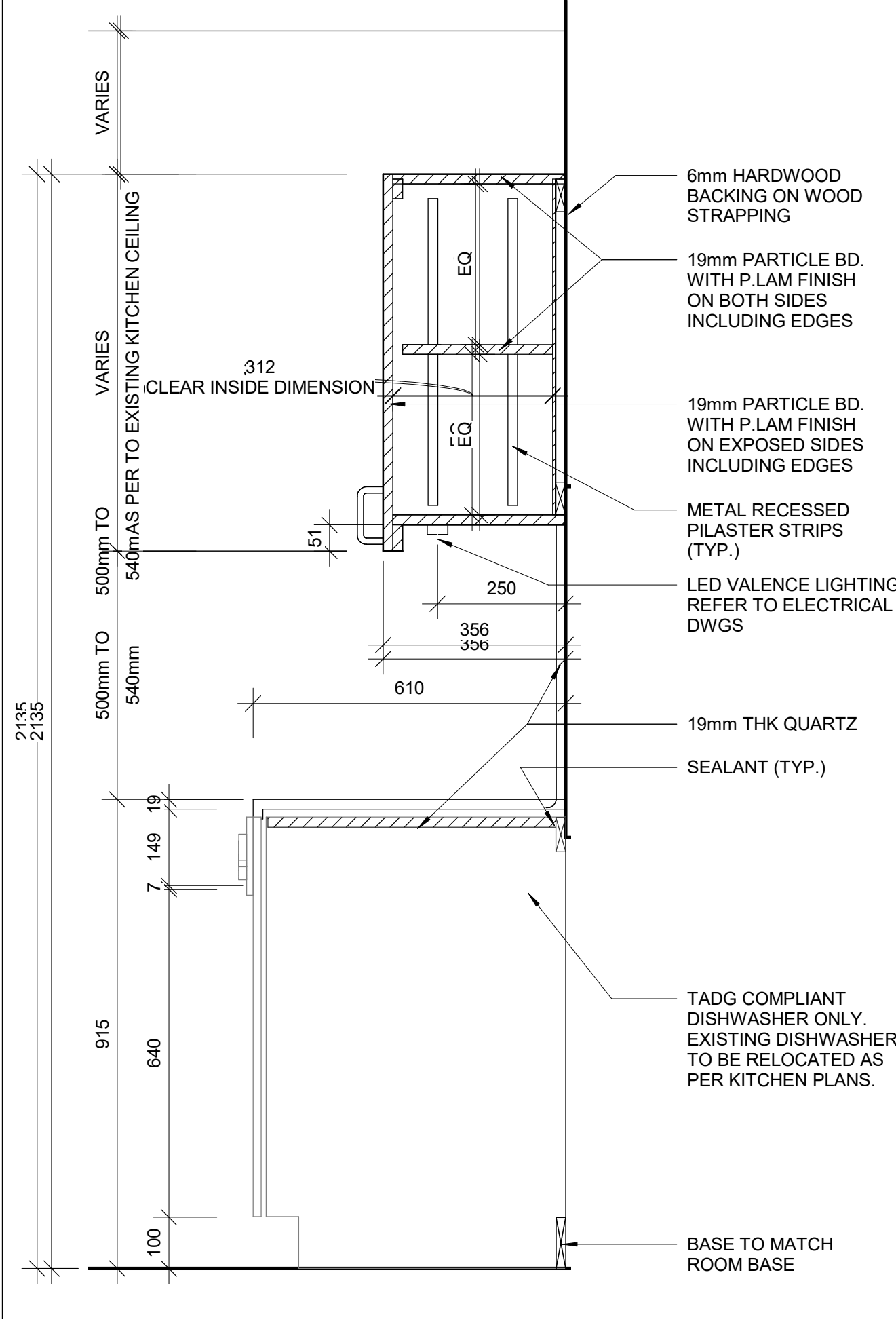
1 BASE CABINETRY- MICROWAVE STORAGE
D1302 / Scale: 1 : 10



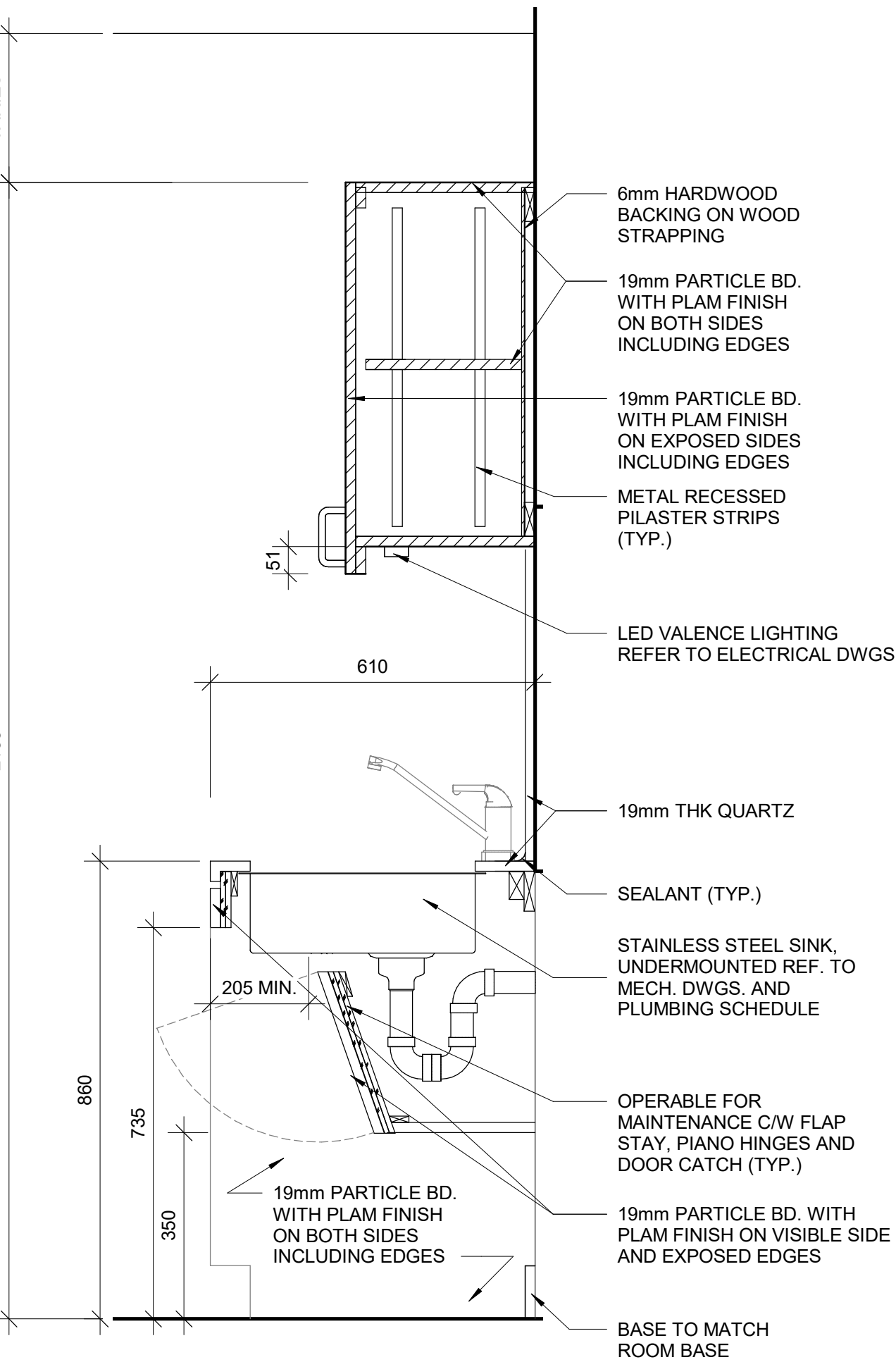
2 BASE CABINETRY WITH DRAWER
D1302 / Scale: 1 : 10



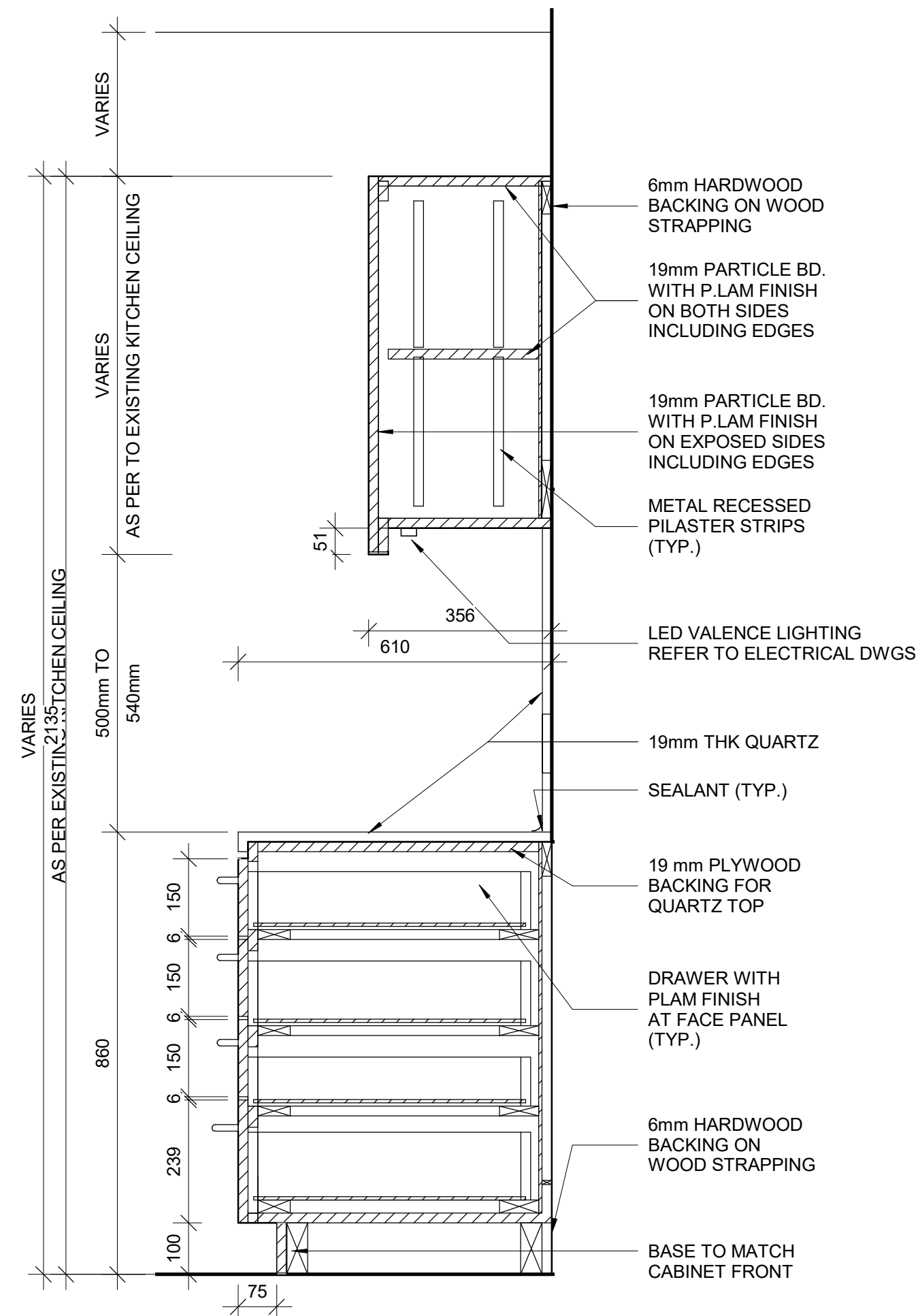
3 BASE CABINETRY WITH GARBAGE BIN
D1302 / Scale: 1 : 10



4 BASE CABINETRY WITH DISHWASHER
D1302 / Scale: 1 : 10

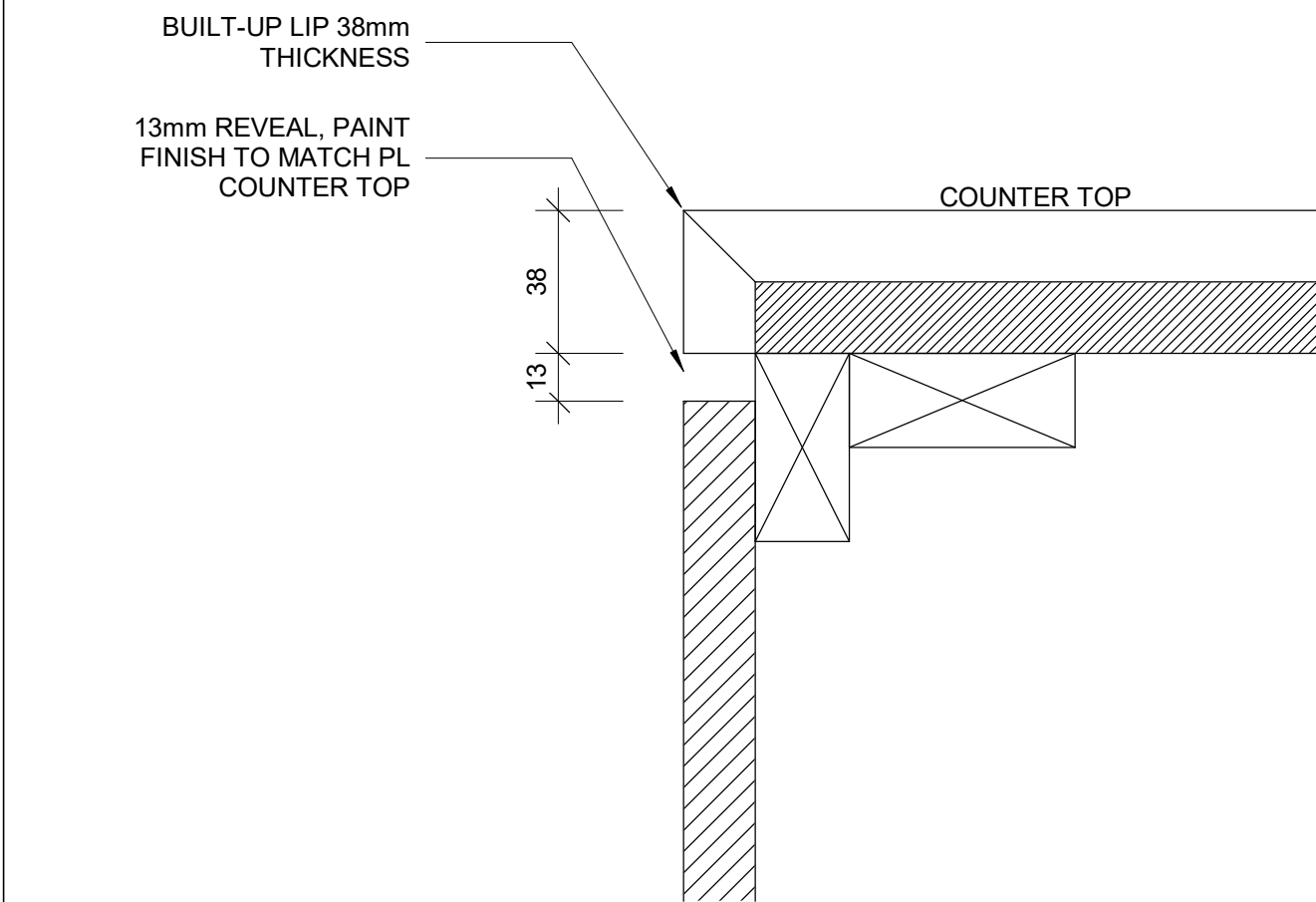


5 BASE CABINETRY WITH SINK
D1302 / Scale: 1 : 10



6 BASE CABINETRY WITH FOUR DRAWERS
D1302 / Scale: 1 : 10

RESERVED



8 TYPICAL BUILT-UP NOSING DOOR COUNTER TOP
D1302 / Scale: 1 : 2

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PROJECT TITLE

CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260

DRAWN BY:
A. BOYNARIAN

CHECKED BY:
L. BANDIERA

PROJECT MGR:
L. SOSA

APPROVED BY:
M. KOTBY

SHEET TITLE

KITCHEN MILLWORK
DETAIL SECTIONS

SHEET NUMBER	ISSUE
D1302	D

BIM 380/1122260 - CoT TAU Upgrades R20201122260-TAU-G29-Details-R20.vrt 1/11

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DRAWN BY:
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CHECKED BY:
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PROJECT MGR:
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APPROVED BY:
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SHEET NUMBER

D1303

ISSUE

D

2022-02-11 11:54:38 PM

BIW 380//122260 - CoT TAU Upgrades R2020122260-TAU-G28-Detail-R20.rvt

1 mm

10mm

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RESERVED

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PROJECT ADDRESS

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DRAWN BY: A. BOYNARIAN	CHECKED BY: L. BANDIERA
PROJECT MGR: L. SOSA	APPROVED BY: M. KOTBY

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SHEET NUMBER

D1305

ISSUE

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PROJECT ADDRESS

PROJECT NO:
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DRAWN BY:
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CHECKED BY:
L. BANDIERA

PROJECT MGR:
L. SOSA

APPROVED BY:
M. KOTBY

SHEET TITLE

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D1306

ISSUE

D

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125

CANE DETECTION

CENTE

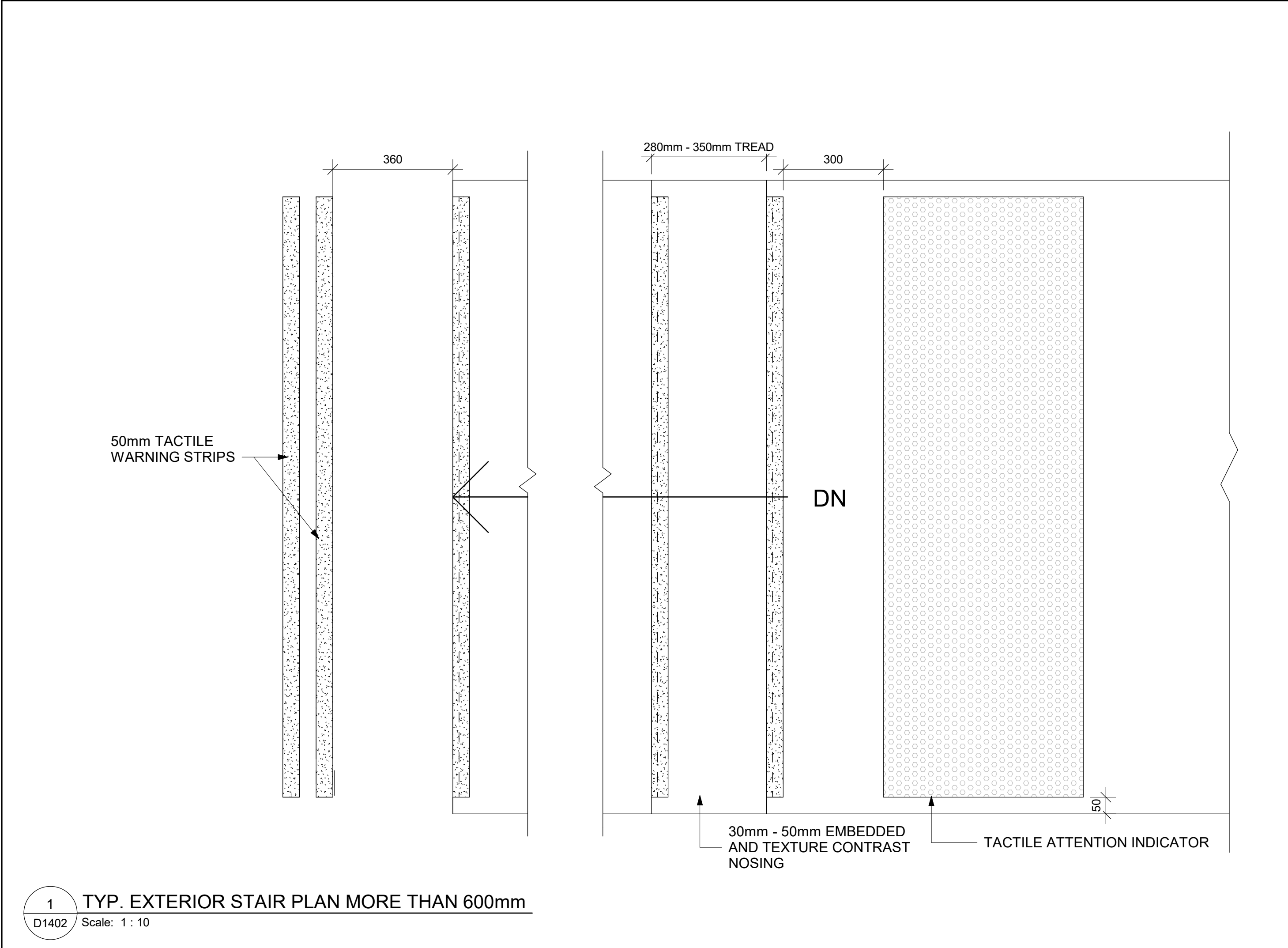
VISUAL INDICATOR
AND BRAILLE
CHARACTERS
ON TOP OF HANDRA
REFER TO DETAIL
8/D1405

- SLAB

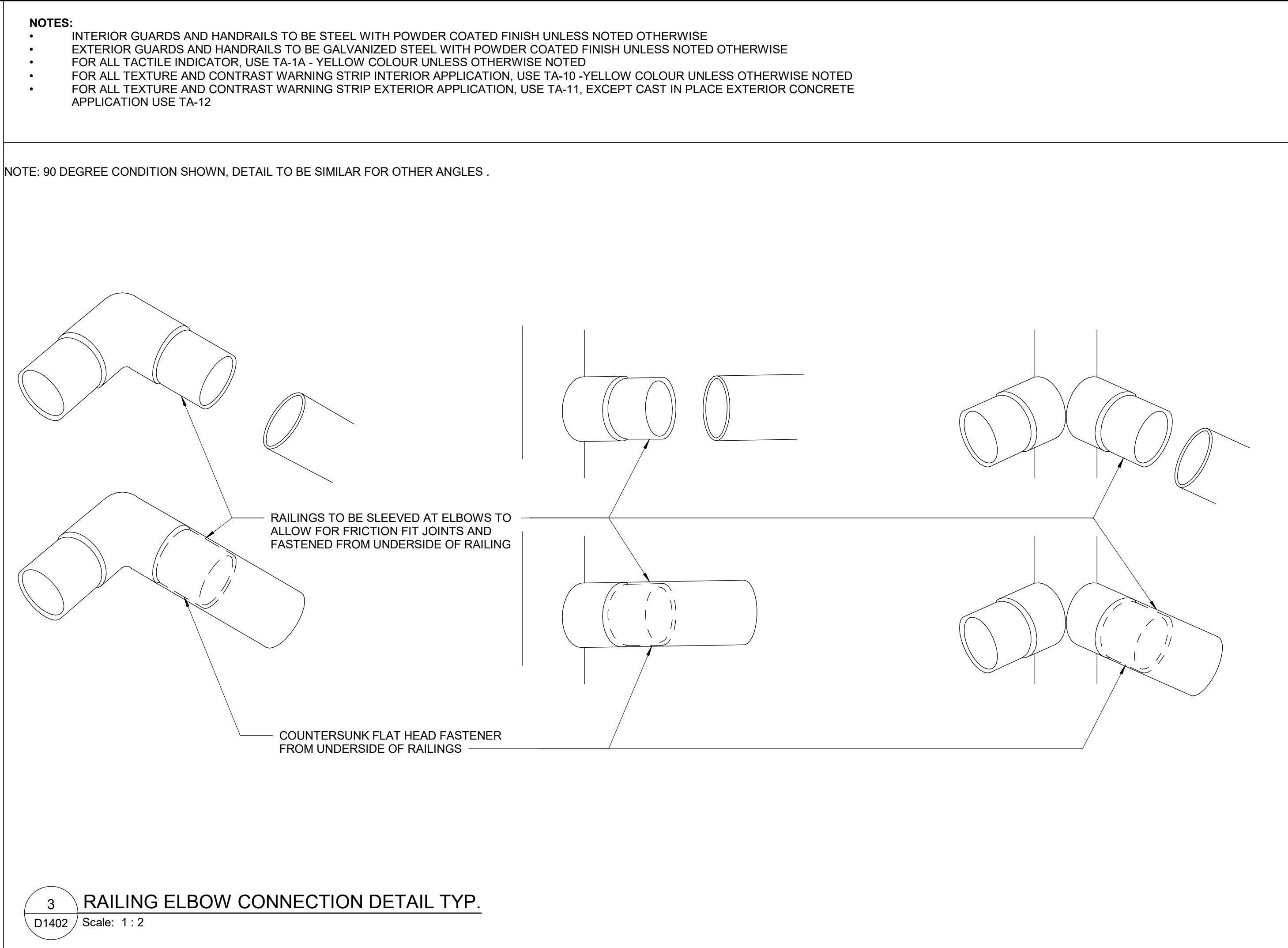
- D1401 Scale: 1 : 20

ISSUE
D

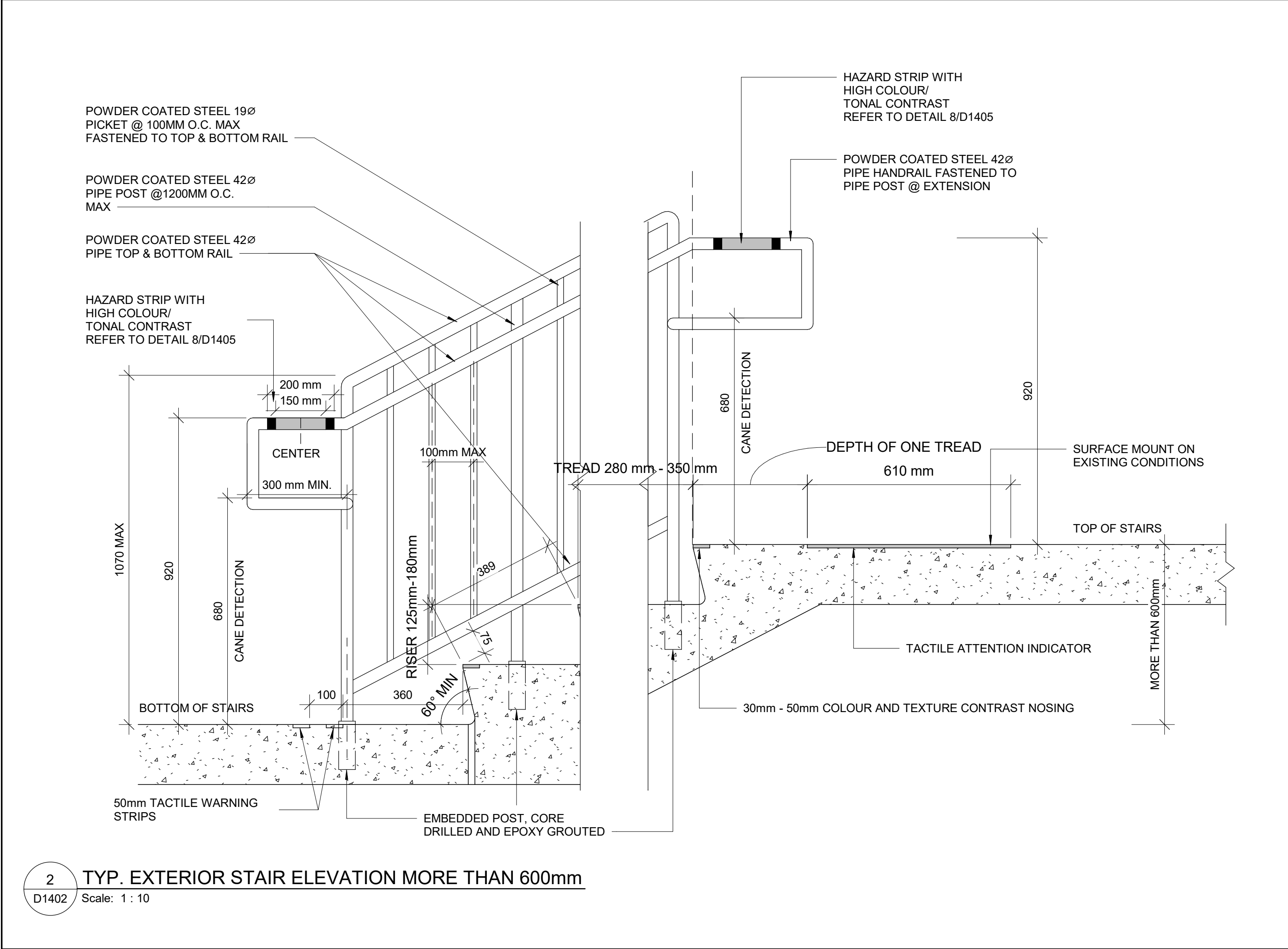
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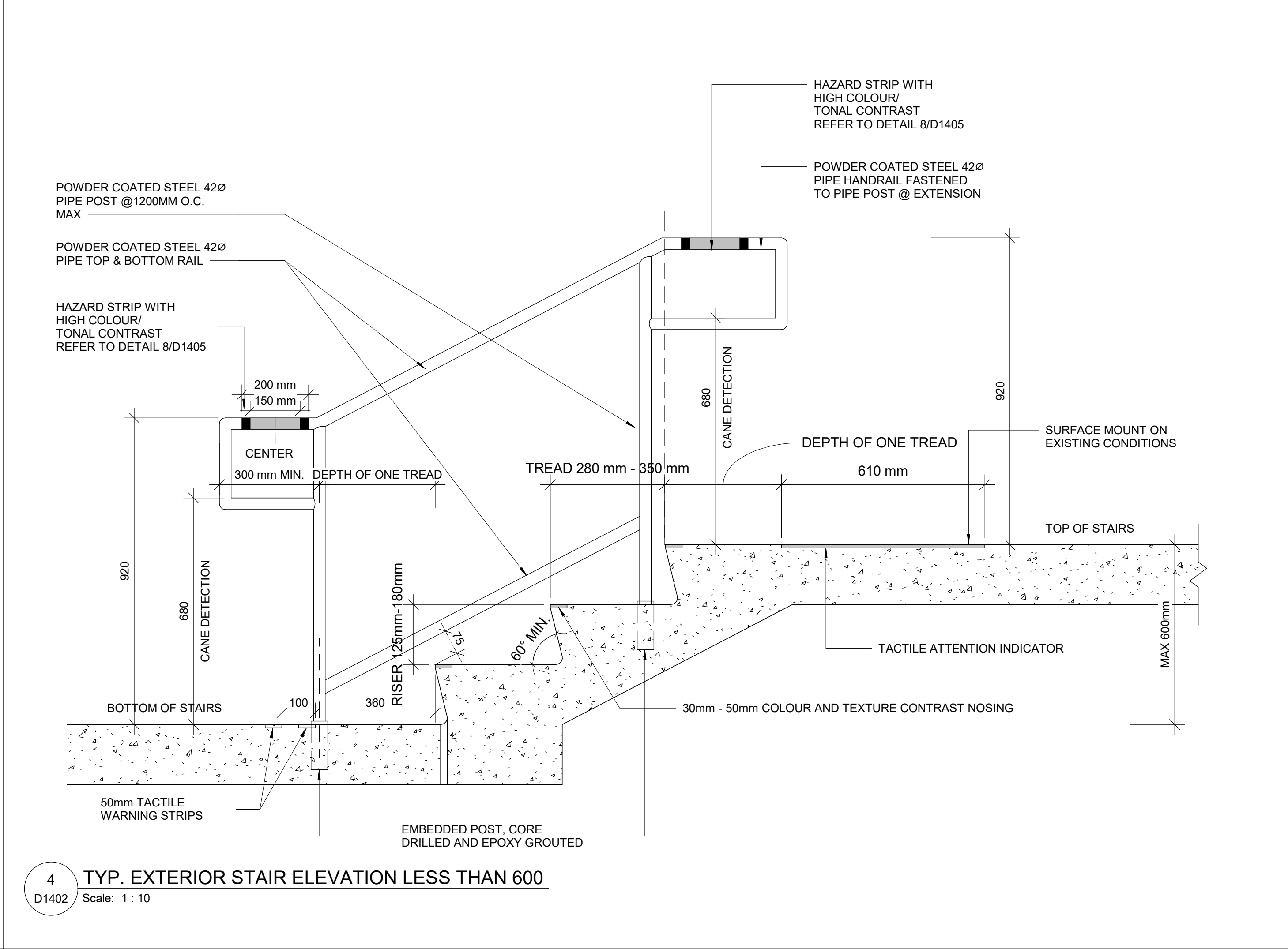
1 TYP. EXTERIOR STAIR PLAN MORE THAN 600mm
D1402 Scale: 1 : 10



3 RAILING ELBOW CONNECTION DETAIL TYP.
D1402 Scale: 1 : 2




2 TYP. EXTERIOR STAIR ELEVATION MORE THAN 600mm
D1402 Scale: 1 : 10



4 TYP. EXTERIOR STAIR ELEVATION LESS THAN 600
D1402 Scale: 1 : 10

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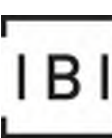
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PROJECT TITLE

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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260

DRAWN BY:
A. BOYNARIAN

CHECKED BY:
L. BANDIERA

PROJECT MGR:
L. SOSA

APPROVED BY:
M. KOTBY

SHEET TITLE

STAIR DETAILS - 02

SHEET NUMBER

D1402

ISSUE

D

- 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

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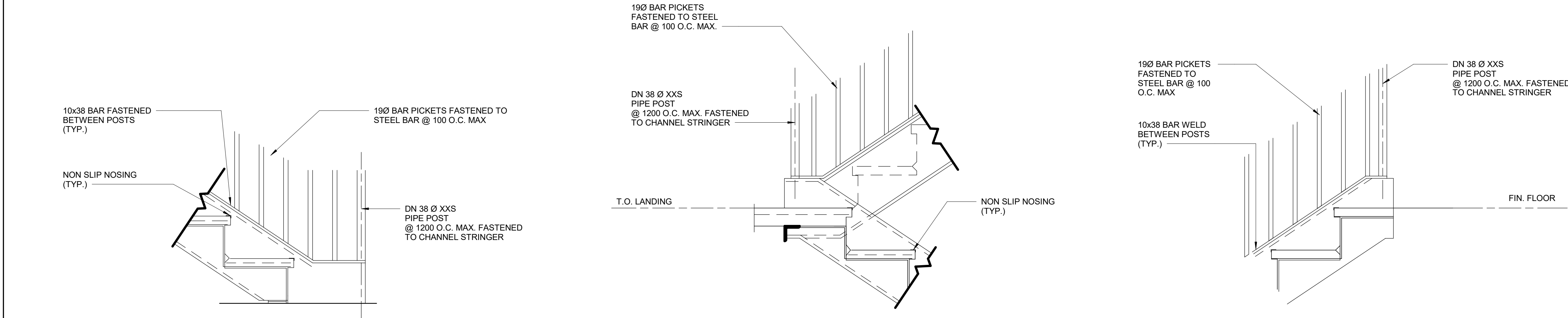


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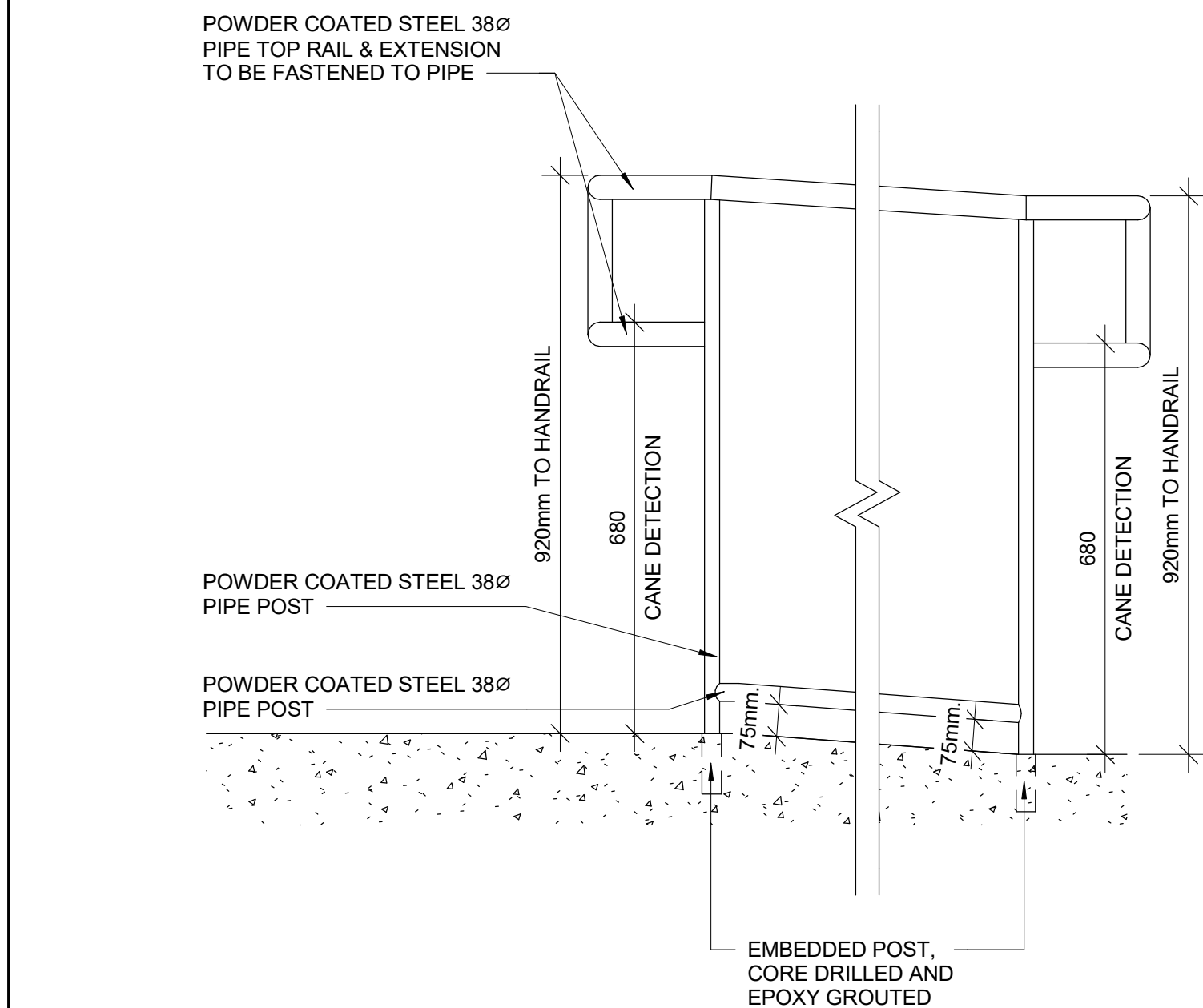
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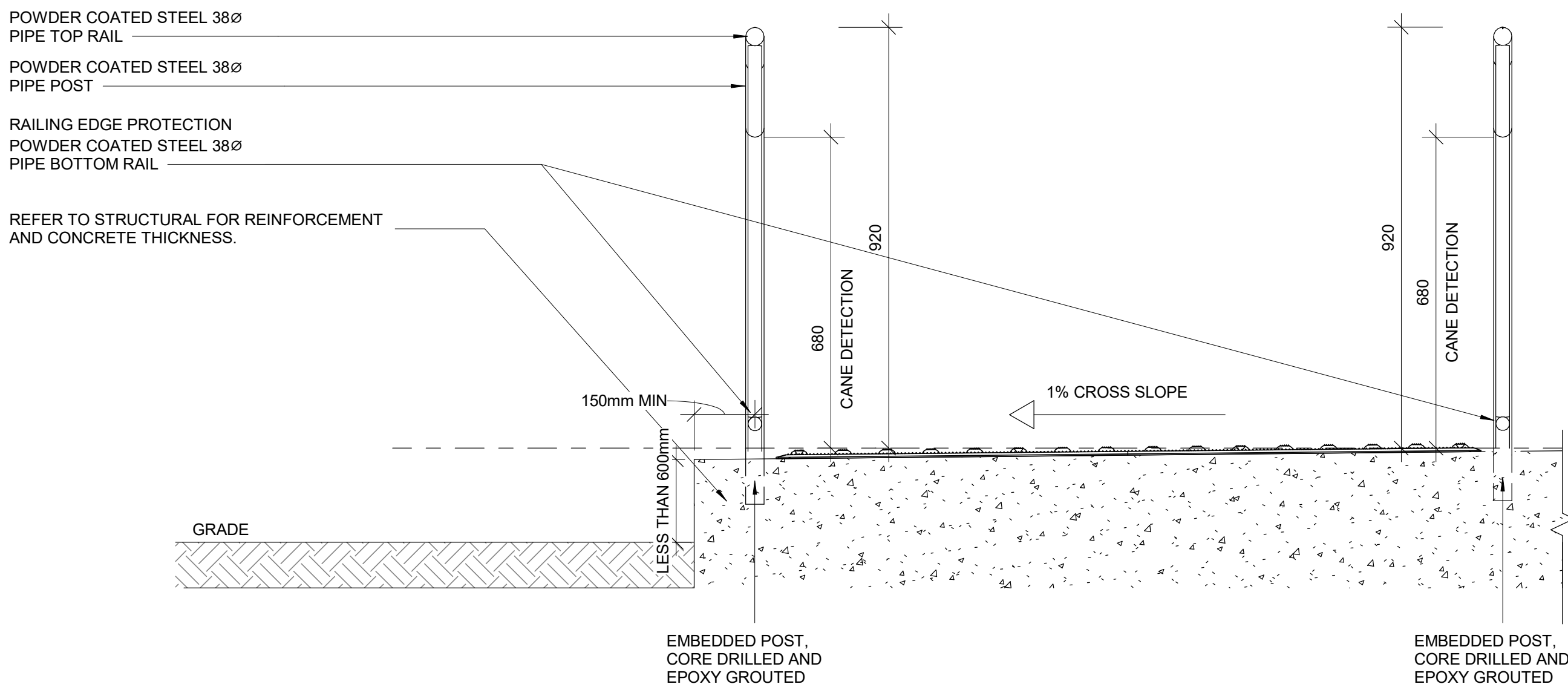
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D	ISSUED FOR TENDER	2022-02-16



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

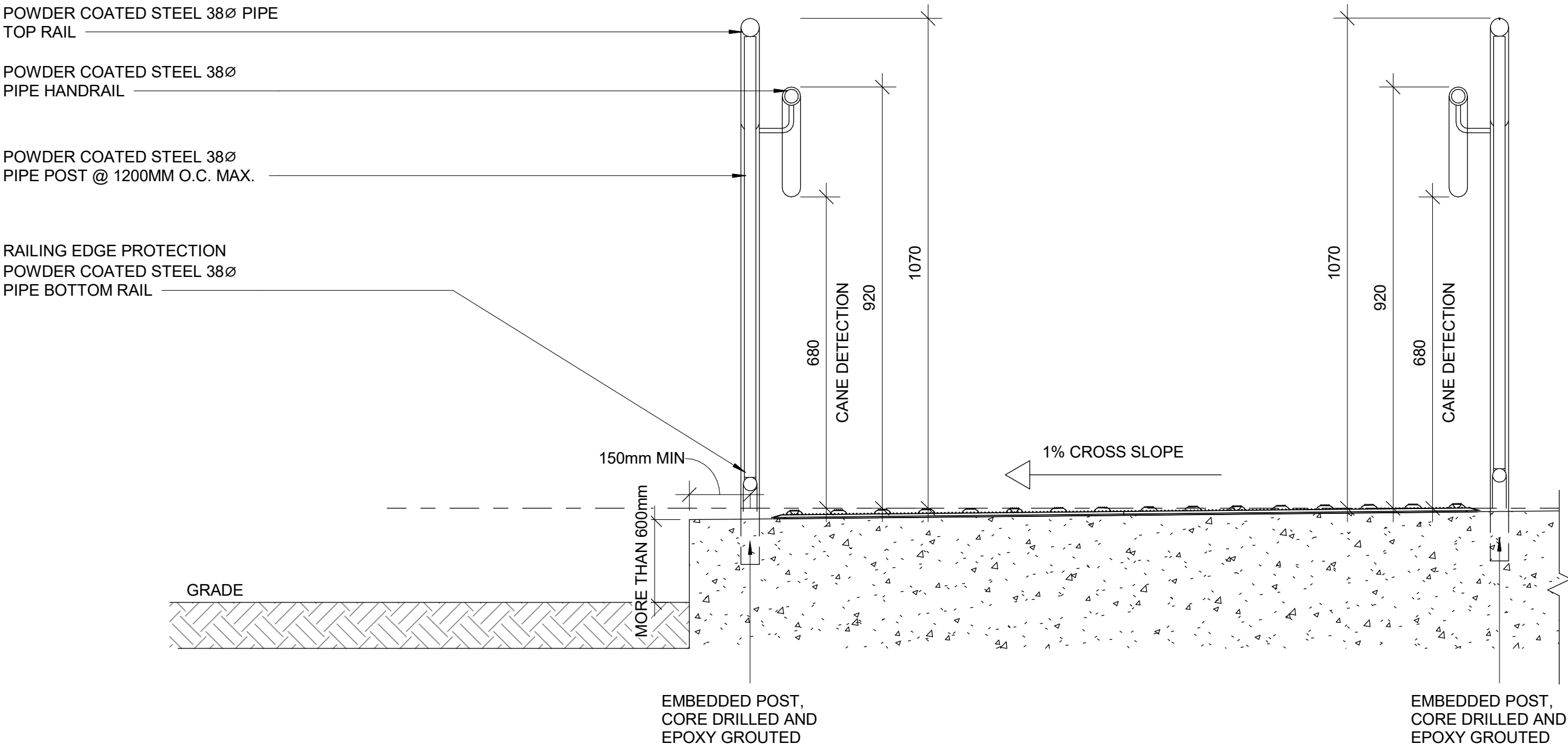
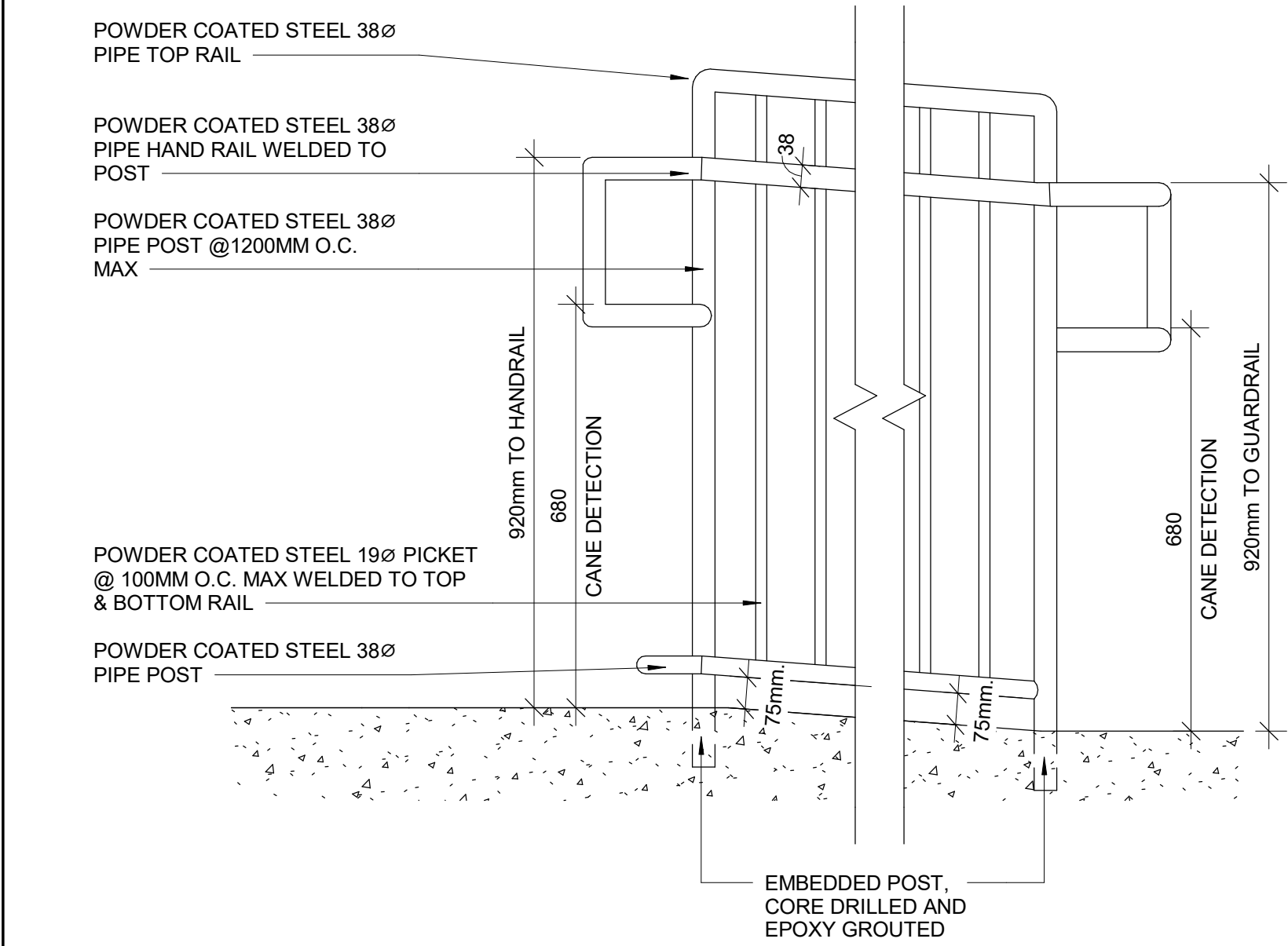
PROJECT NO:
9119- 19- 0162 / IBI 122260

DRAWN BY: A. BOYNARIAN	CHECKED BY: L. BANDIERA
PROJECT MGR: L. SOSA	APPROVED BY: M. KOTBY

SHEET TITLE
**GUARD RAIL & RAMP
DETAILS**

SHEET NUMBER D1403	ISSUE D
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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



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

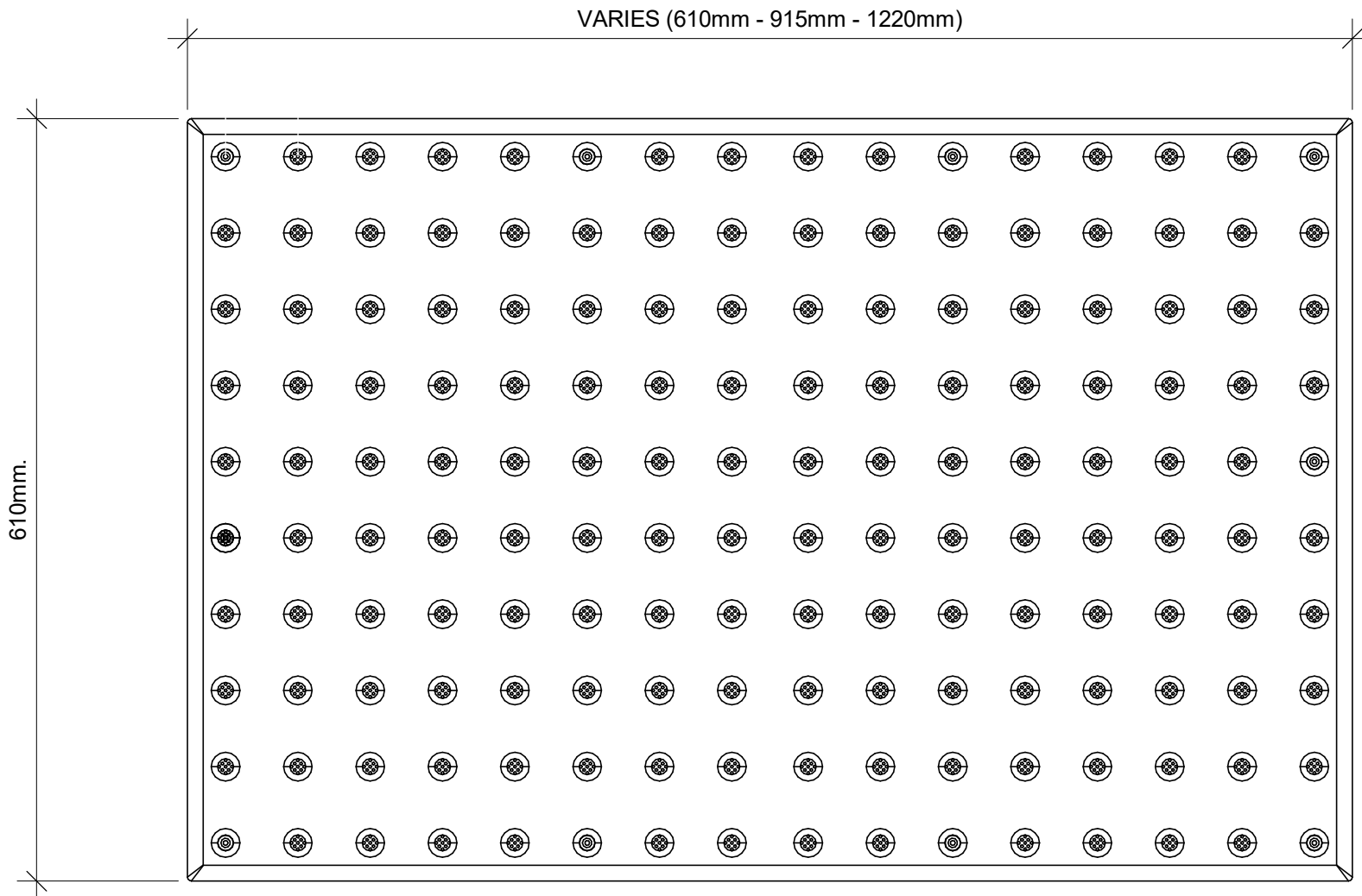
PROJECT NO: 9119- 19- 0162 / IBI 122260	
DRAWN BY: A. BOYNARIAN	CHECKED BY: L. BANDIERA
PROJECT MGR: L. SOSA	APPROVED BY: M. KOTBY

SHEET TITLE

RAMP DETAILS - 02

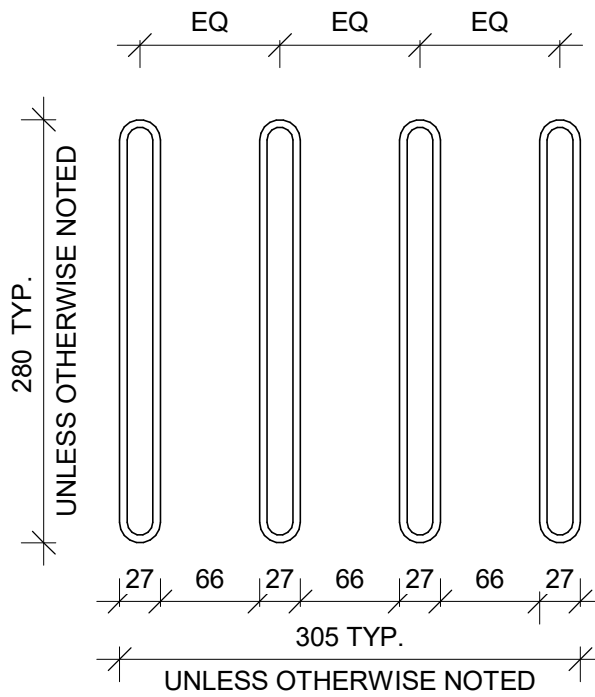
SHEET NUMBER	ISSUE
D1404	C

TA - 1a
EXTERIOR AND INTERIOR APPLICATION



1 TACTILE ATTENTION INDICATOR
D1405 / Scale: 1 : 5

TA-8
INTERIOR APPLICATION

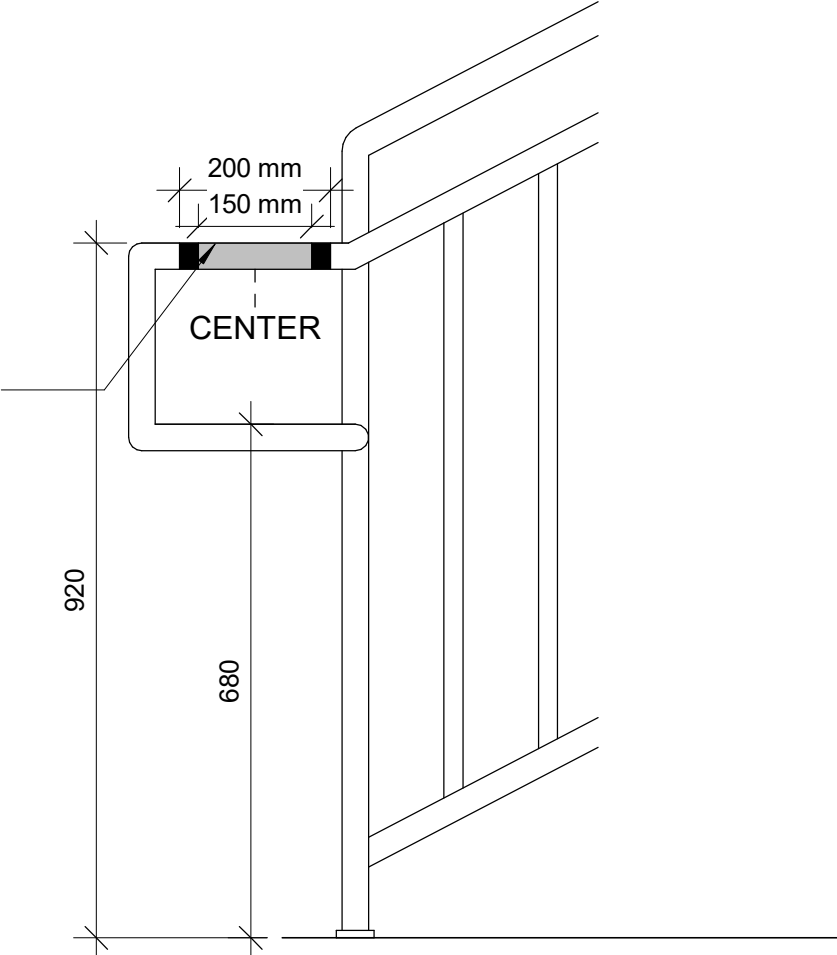


2 GUIDANCE BARS PLAN
D1405 / Scale: 1 : 5

RESERVED

150mm LONG YELLOW COLOUR
WAYFINDING SIGN WITH BRAILLE AND
25mm WIDE RED COLOUR ON EITHER
SIDE OF THE SIGN

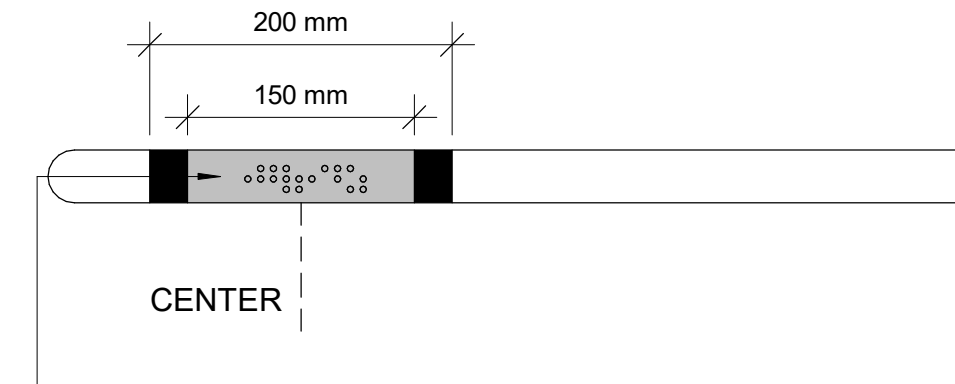
BRAILLE INDICATES FLOOR
LEVEL AND NUMBER ON TOP
OF RAILING. SEE 10/D1405



8 HANDRAIL WARNING STRIP
D1405 / Scale: 1 : 10

150mm LONG YELLOW COLOUR
WAYFINDING SIGN WITH BRAILLE AND
25mm WIDE RED COLOUR ON EITHER
SIDE OF THE SIGN

BRAILLE INDICATES FLOOR
LEVEL AND NUMBER ON TOP
OF RAILING.



10 HANDRAIL HAZARD STRIP PLAN
D1405 / Scale: 1 : 5

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ibigroup.com

PROJECT TITLE
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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

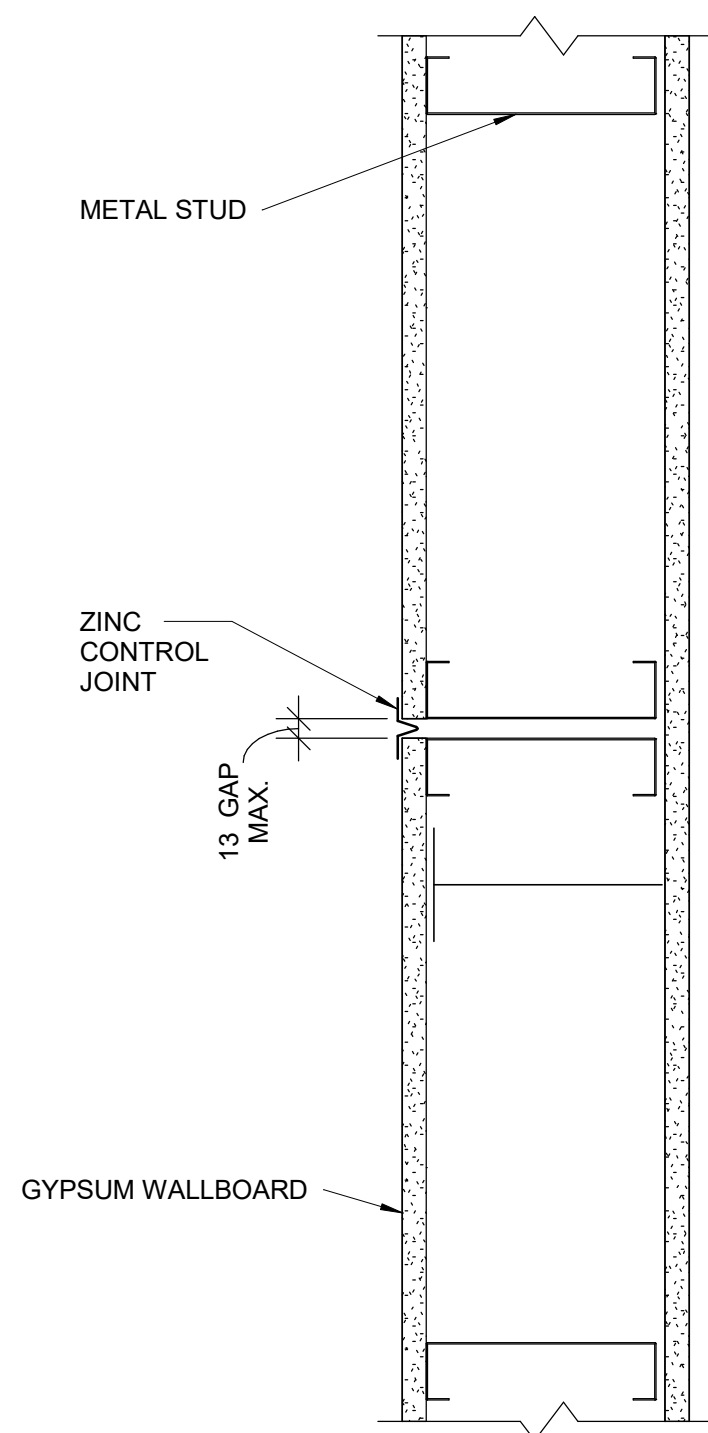
PROJECT NO:
9119- 19- 0162 / IBI 122260

DRAWN BY: A. BOYNARIAN	CHECKED BY: L. BANDIERA
PROJECT MGR: L. SOSA	APPROVED BY: M. KOTBY

SHEET TITLE
TACTILE DETAILS

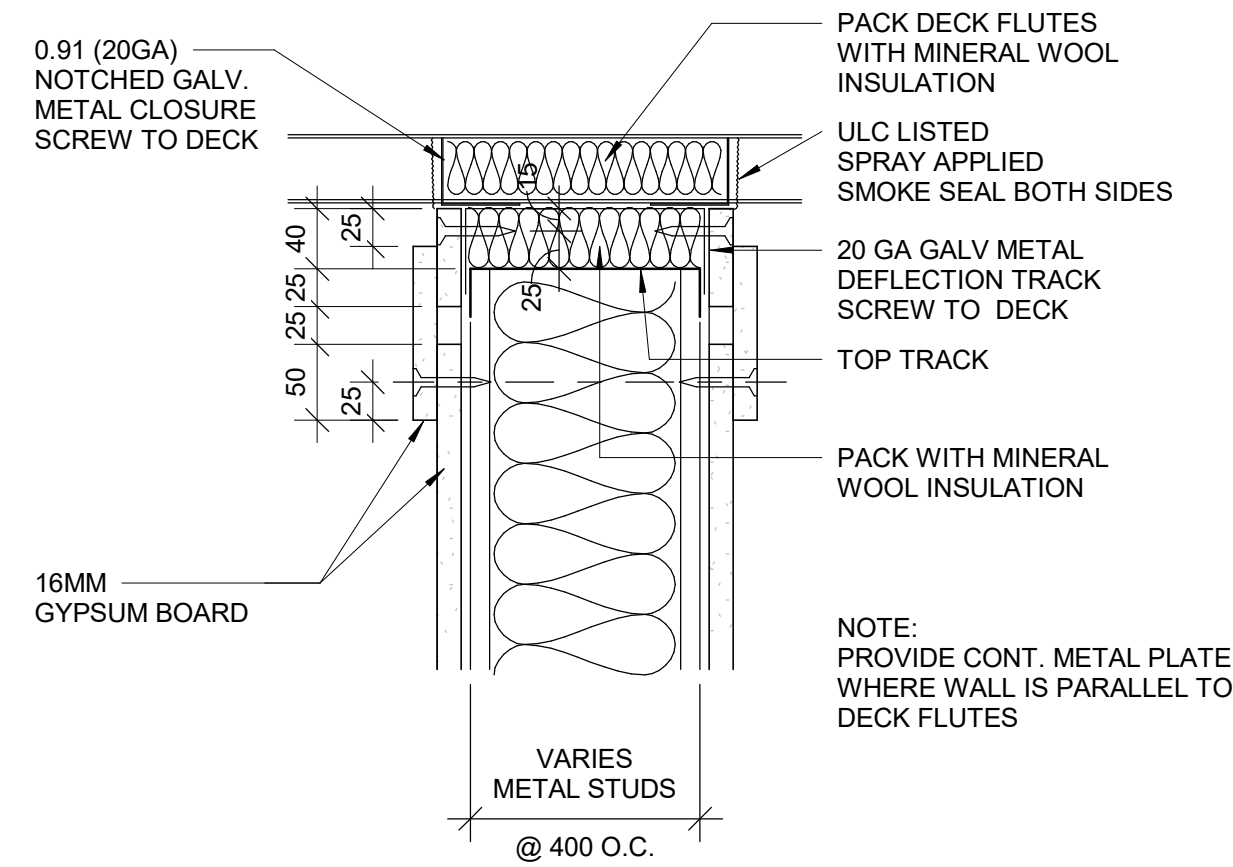
SHEET NUMBER
D1405

ISSUE
D

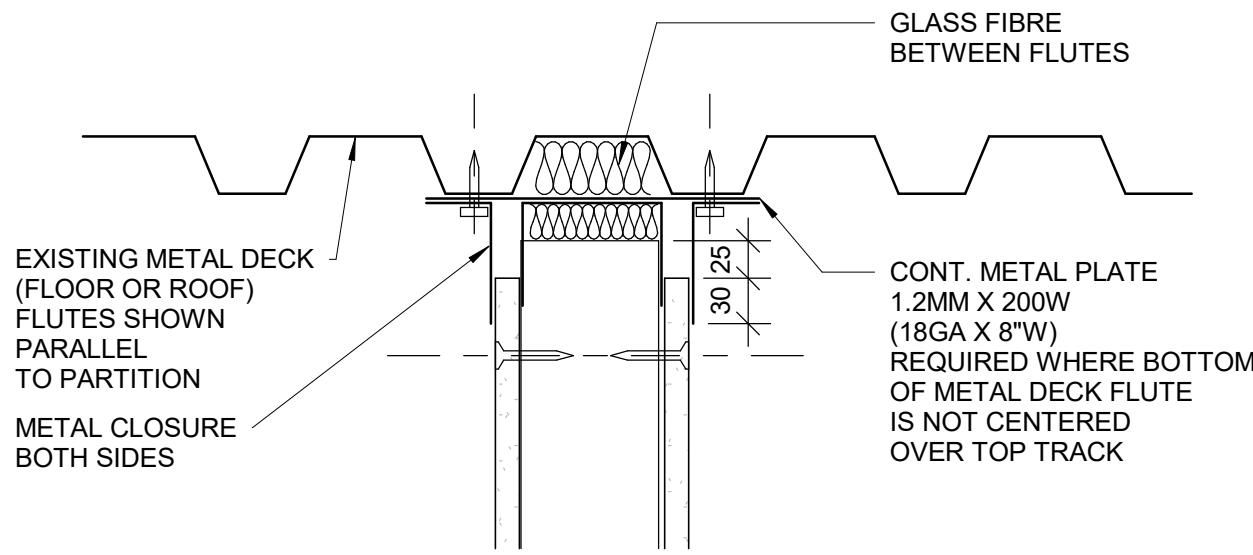


1 CONTROL JOINT PLAN DETAIL - DRYWALL
D1501 Scale: 1 : 5

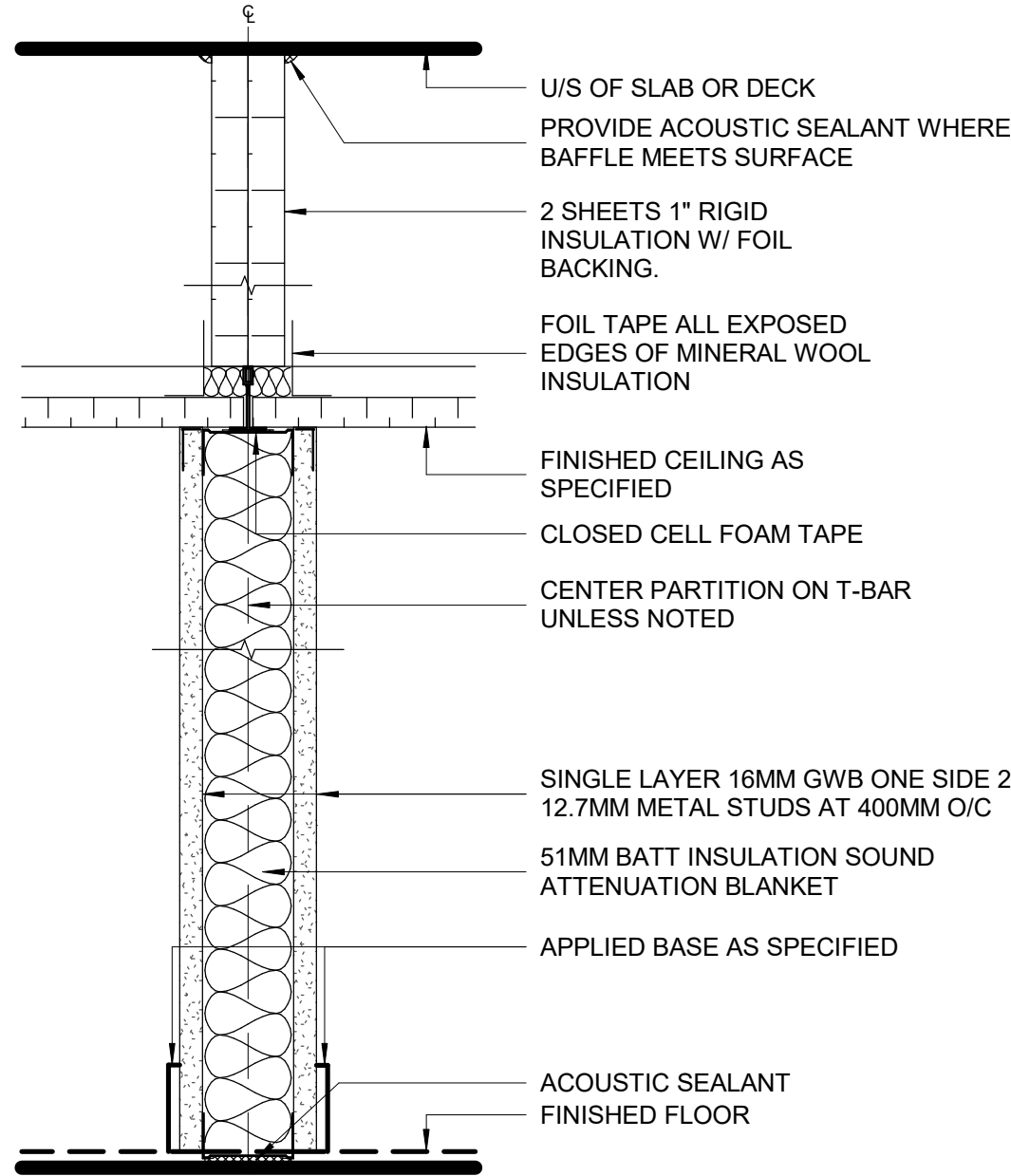
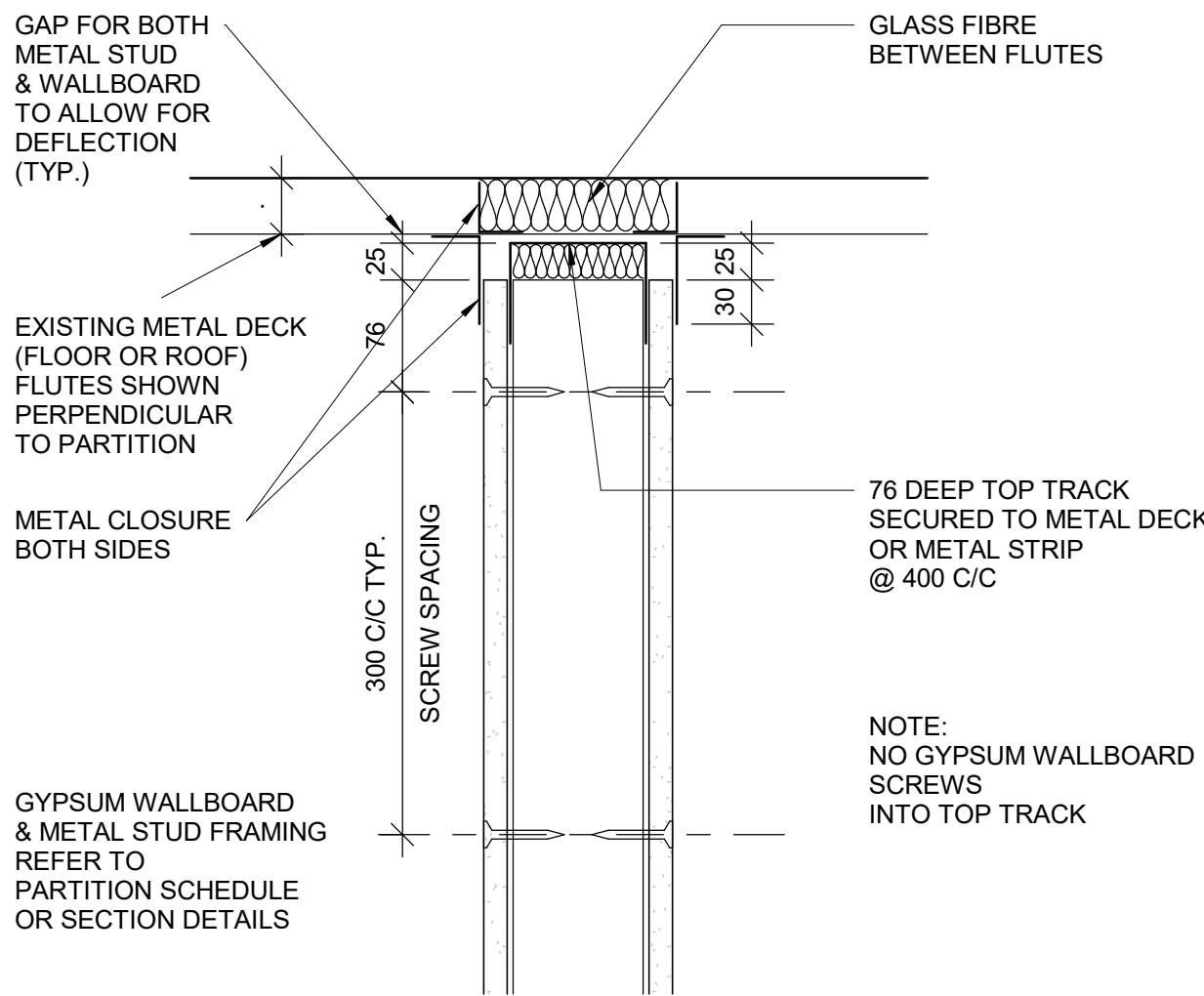
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3 HEAD DRYWALL FIRE RATED PARTITION
D1501 Scale: 1 : 5



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
D1501 Scale: 1 : 5

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PROJECT TITLE

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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260

DRAWN BY:
A. BOYNARIAN

CHECKED BY:
L. BANDIERA

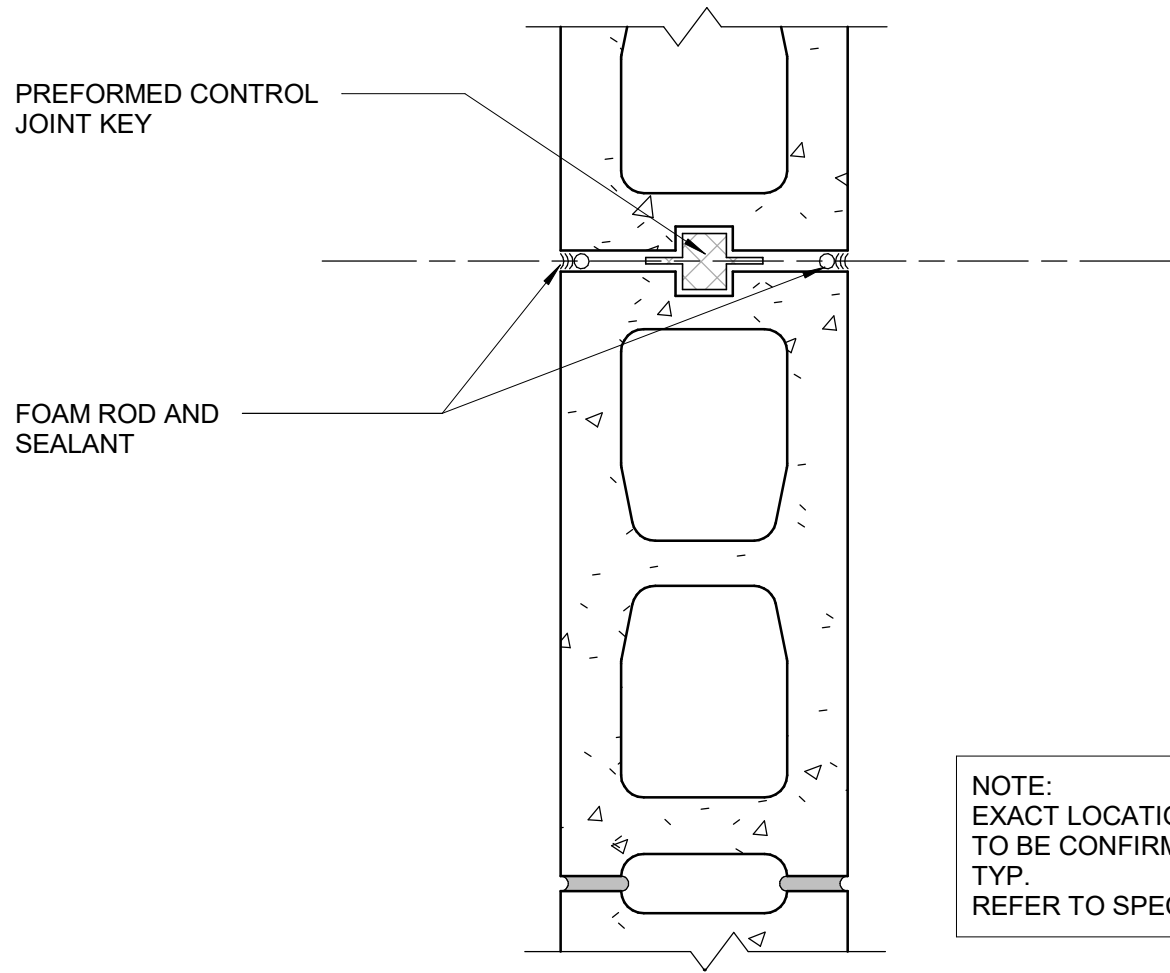
PROJECT MGR:
L. SOSA

APPROVED BY:
M. KOTBY

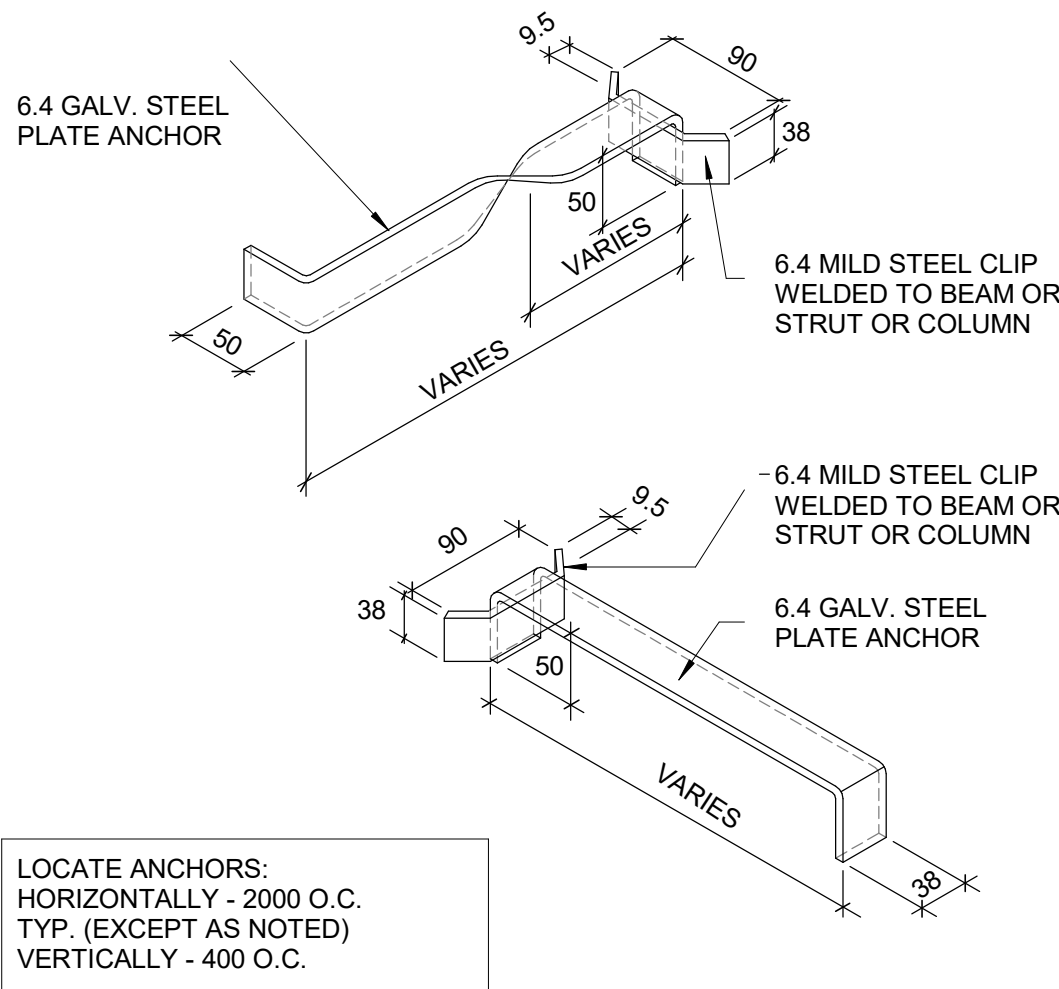
SHEET TITLE

MISCELLANEOUS
DETAILS - 01

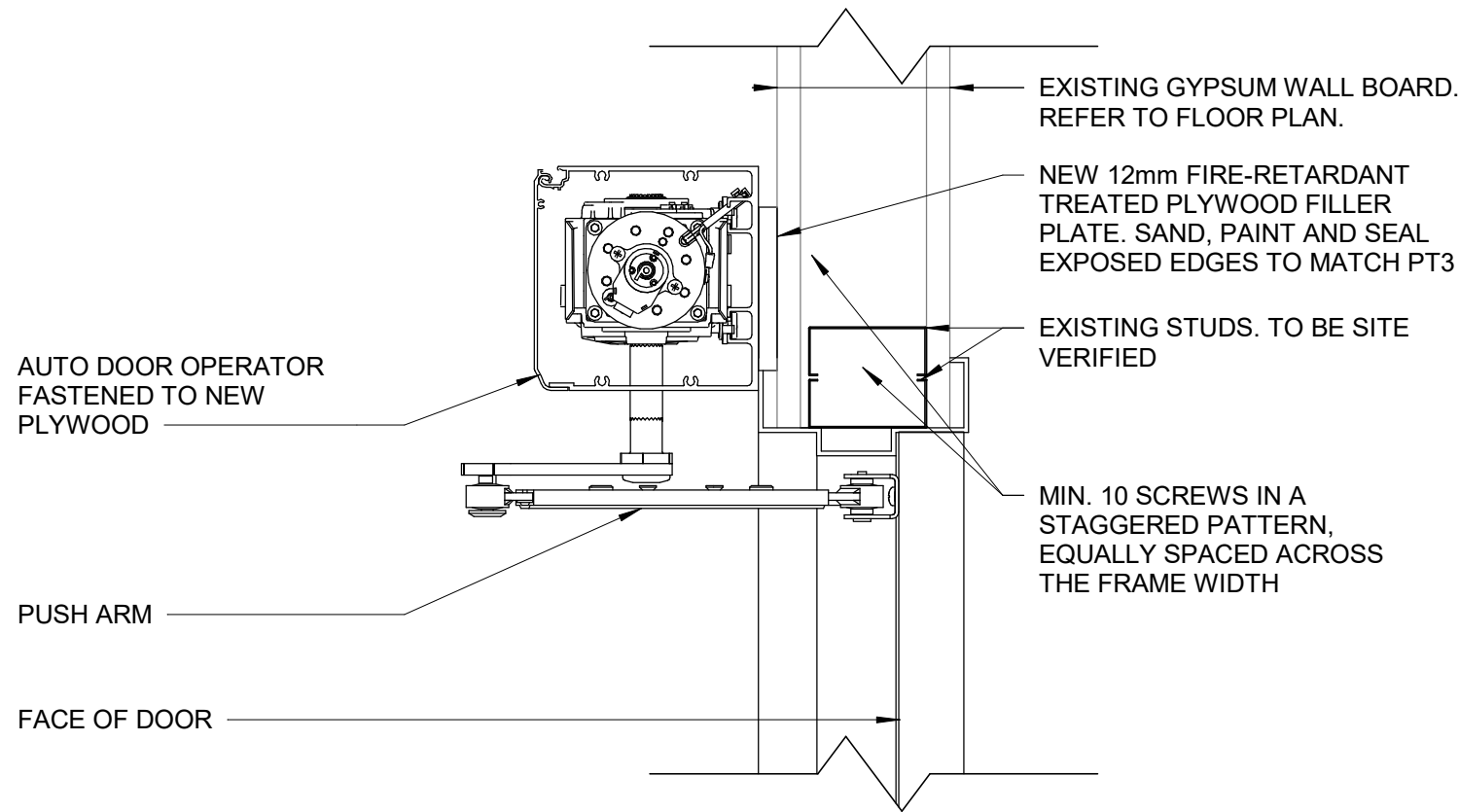
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D1501	D



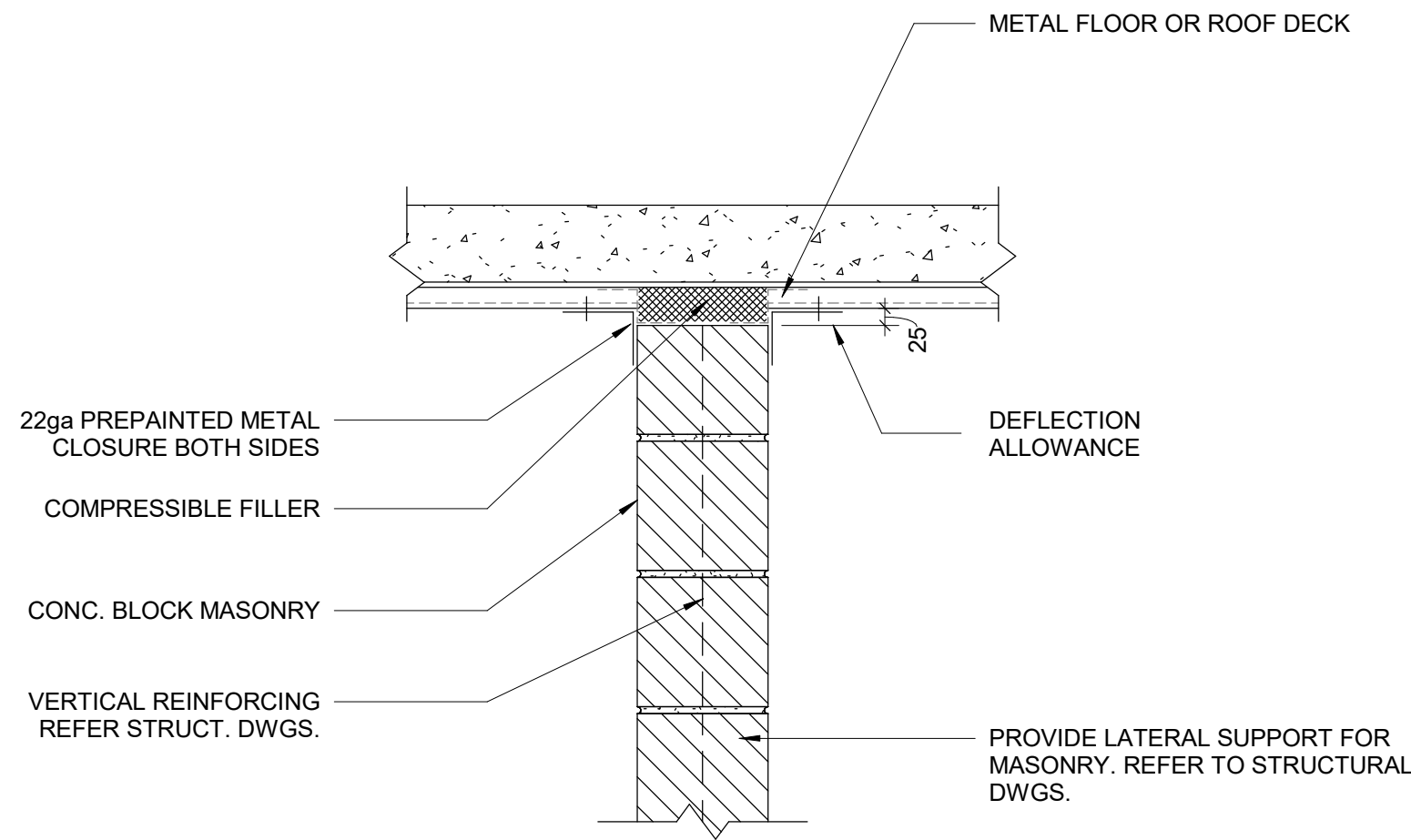
1 CONC BLOCK CONTROL JOINT DETAIL
D1502 Scale: 1 : 5



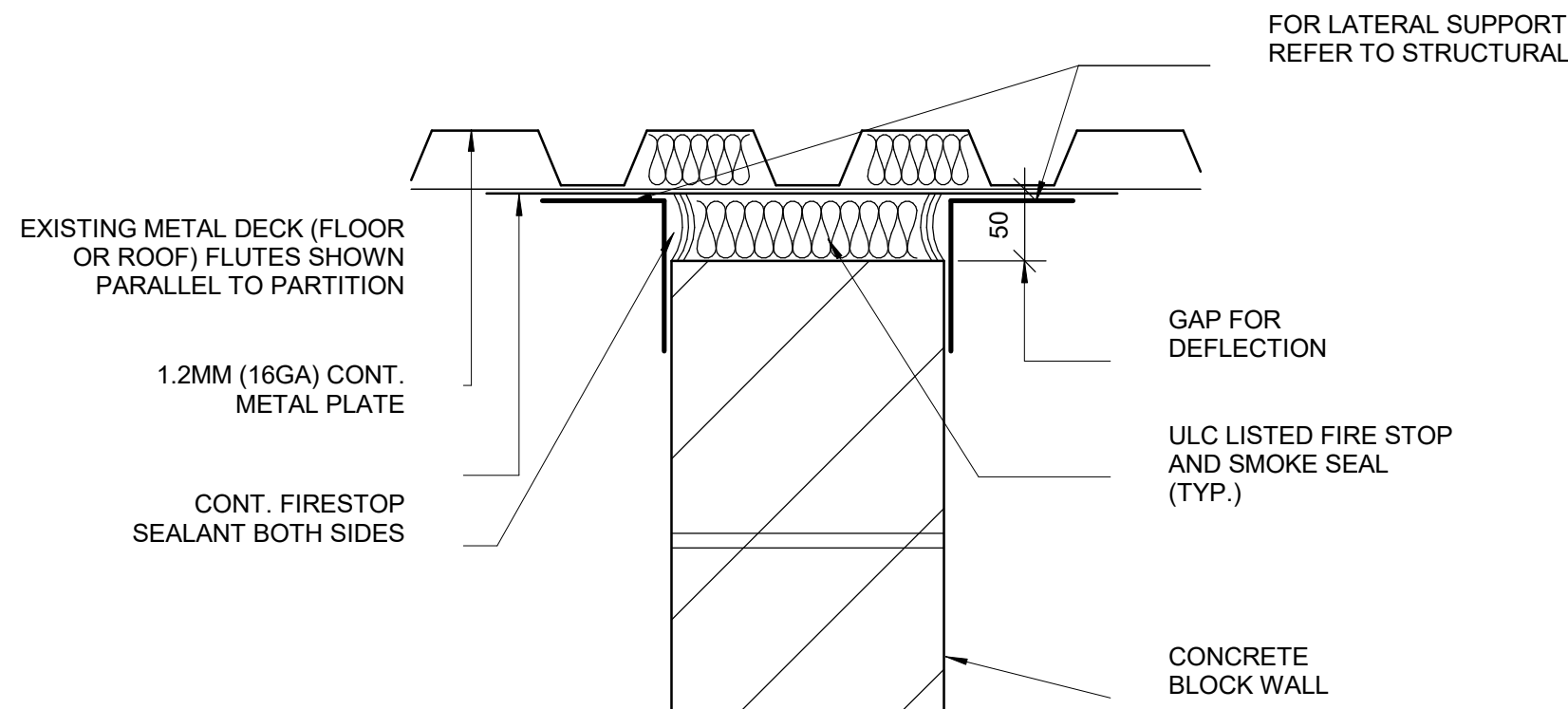
4 MASONRY ANCHOR DETAIL
D1502 Scale: 1 : 10



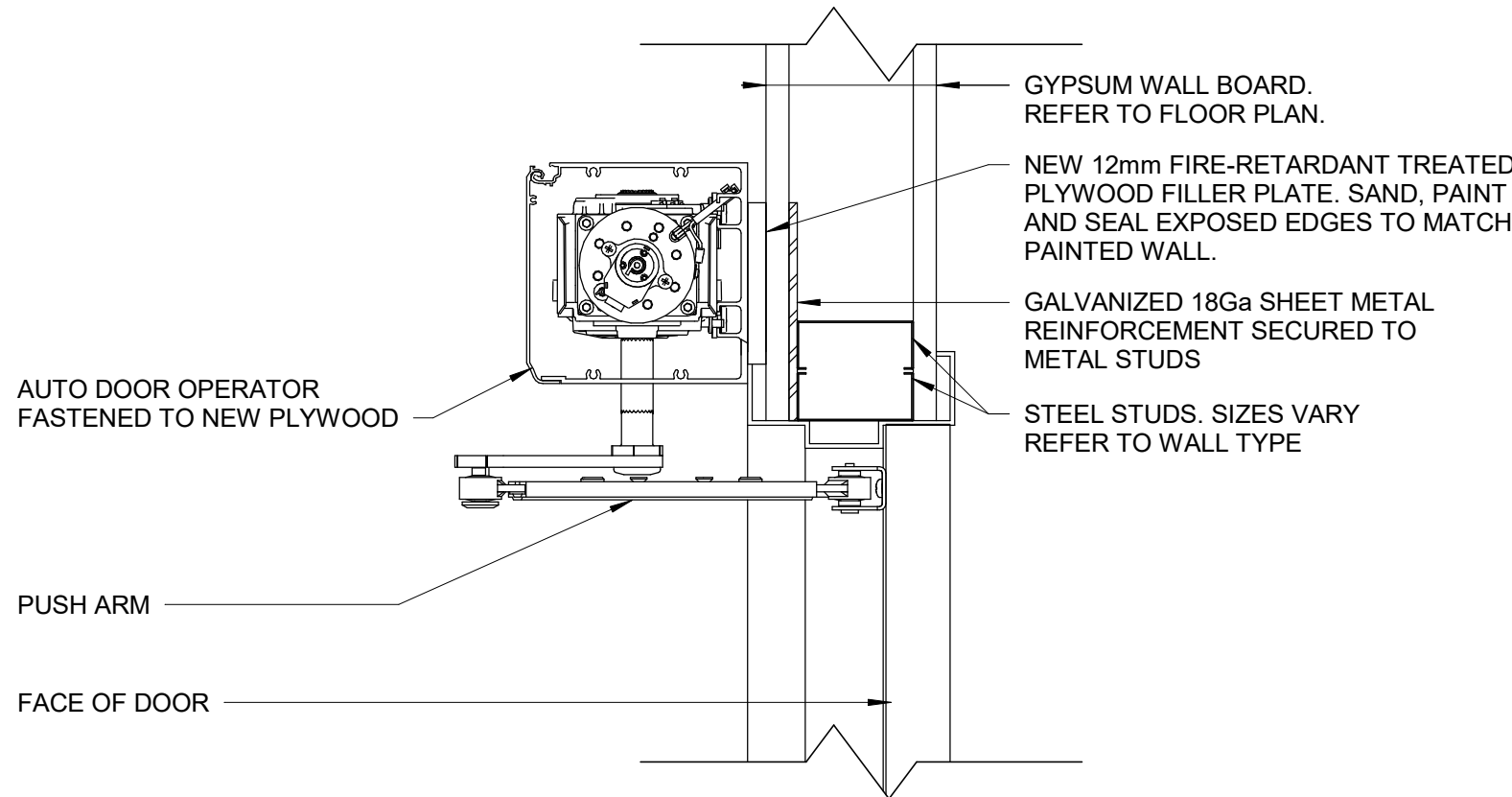
7 WALL REINFORCEMENT DETAIL FOR DOOR OPERATOR AT EXISTING GB PARTITION
D1502 Scale: 1 : 5



2 CONCRETE BLOCK TO CONCRETE METAL DECK
D1502 Scale: 1 : 10

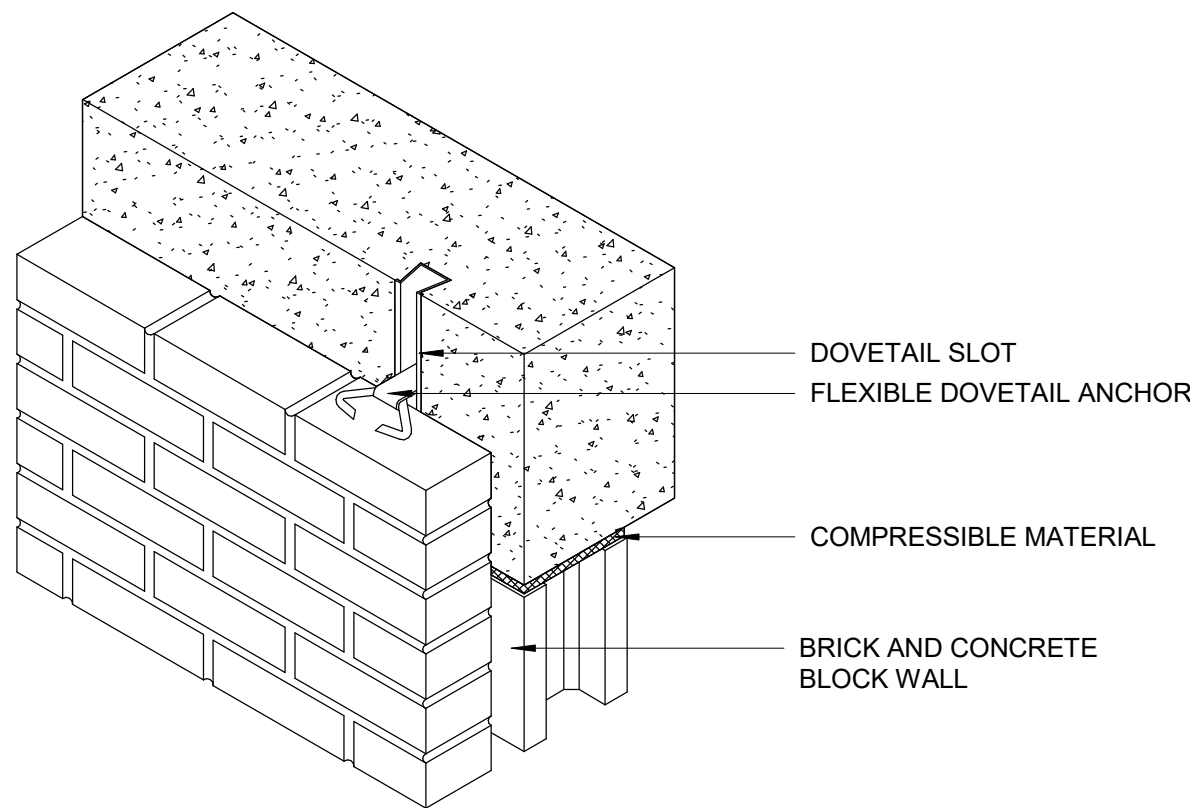


5 HEAD DRYWALL FIRE RATED MASONRY WALL
D1502 Scale: 1 : 5



8 WALL REINFORCEMENT DETAIL FOR DOOR OPERATOR AT NEW GB PARTITION
D1502 Scale: 1 : 5

RESERVED



6 MASONRY ANCHOR CONCRETE BEAM
D1502 Scale: 1 : 10

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PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260
DRAWN BY:
A. BOYNARIAN
PROJECT MGR:
L. SOSA
CHECKED BY:
L. BANDIERA
APPROVED BY:
M. KOTBY

SHEET TITLE
**MISCELLANEOUS
DETAILS -02**

SHEET NUMBER
D1502
ISSUE
D

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PROJECT TITLE
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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
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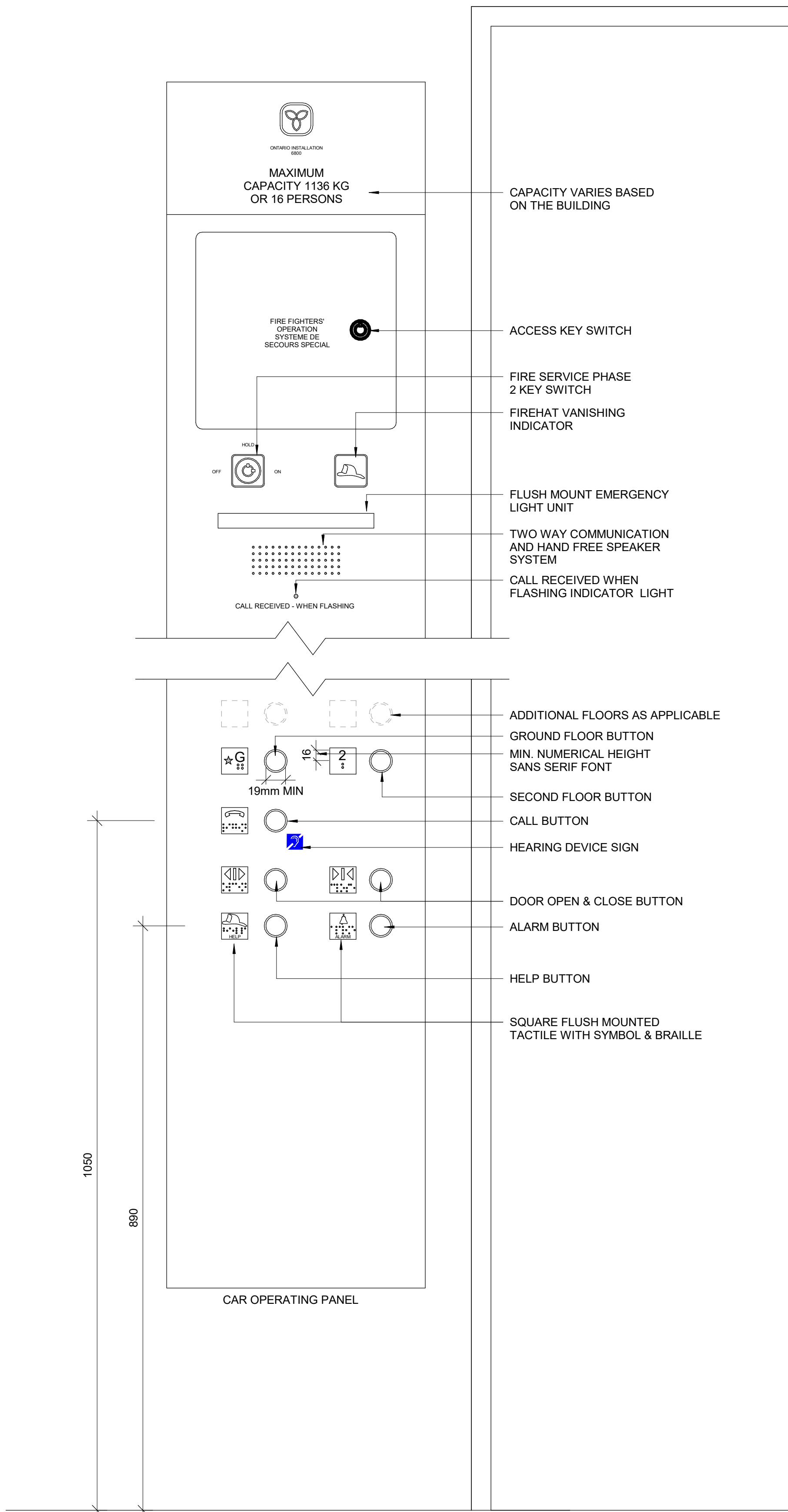
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SHEET TITLE
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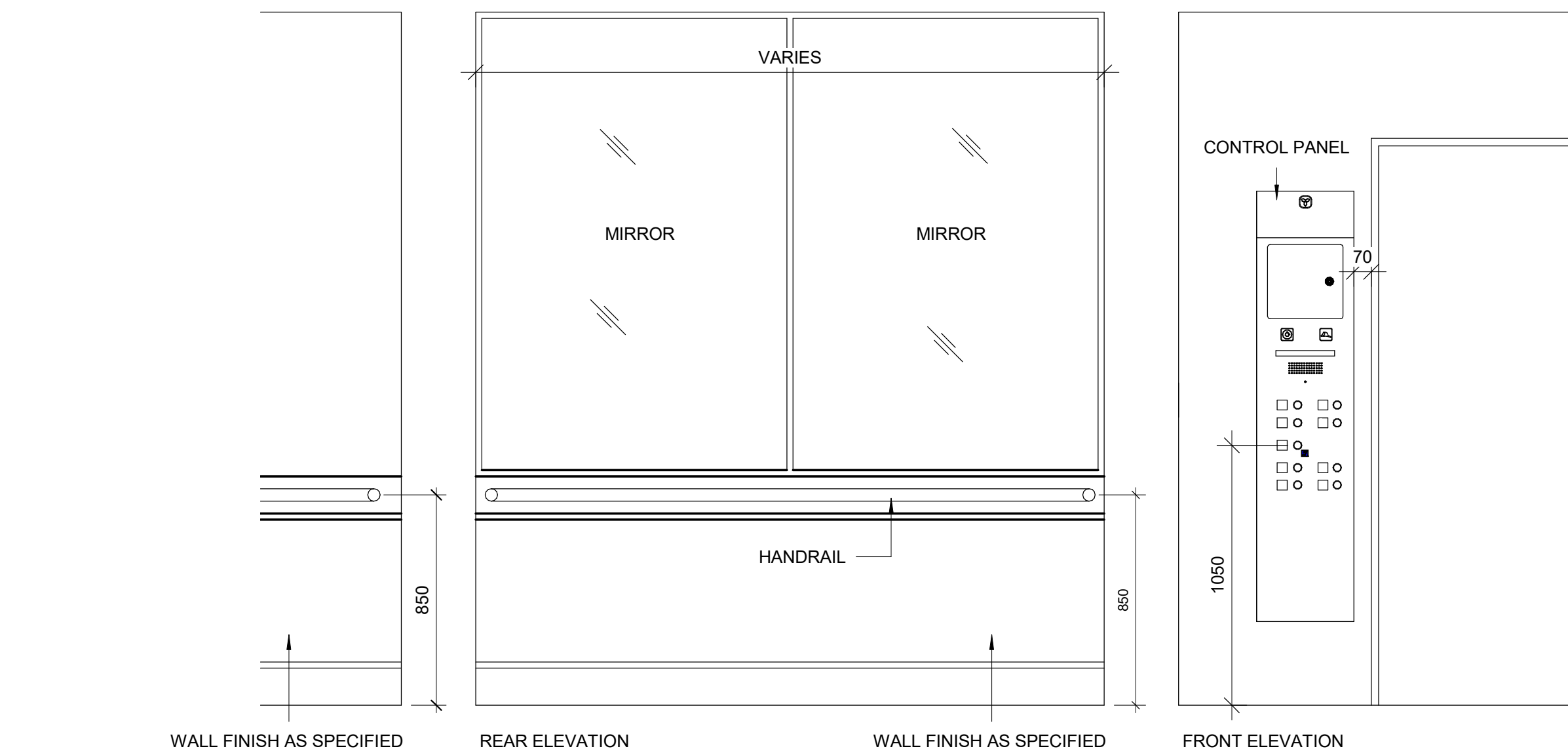
SHEET NUMBER D1601	ISSUE D
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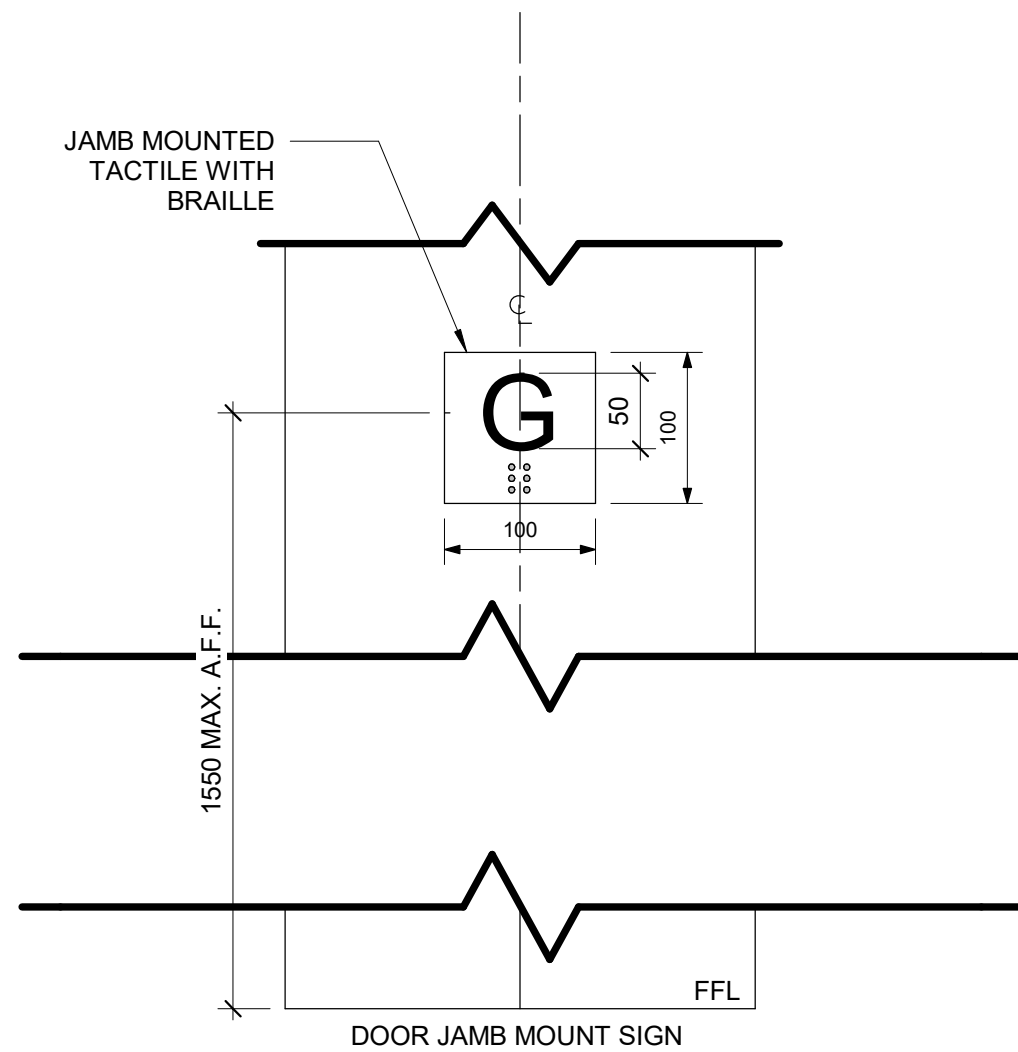
1 INTERIOR ELEVATOR CONTROLS
D1602 Scale: 1 : 5



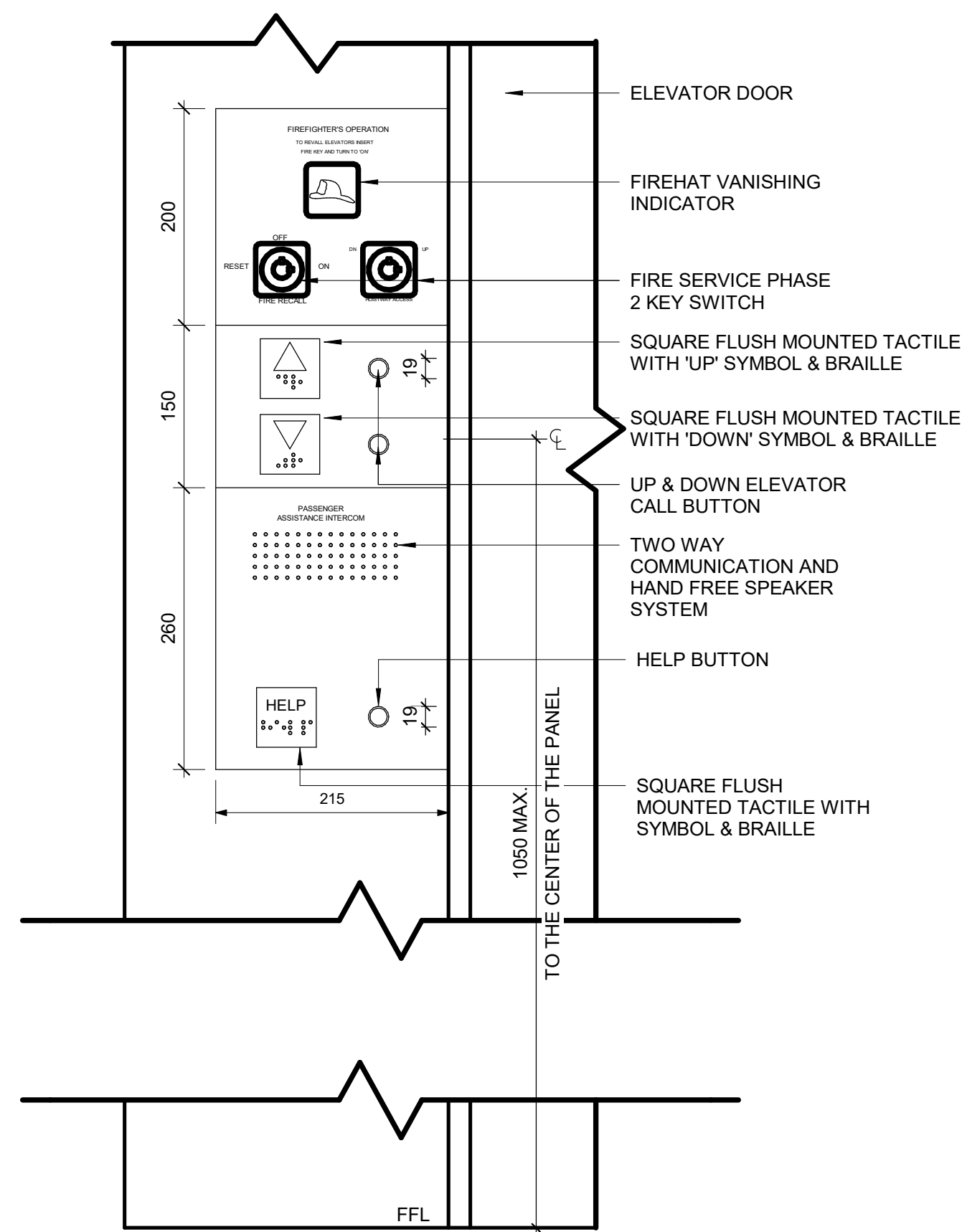
2 ELEVATOR INTERIOR ELEVATIONS
D1602 Scale: 1 : 20





3 TACTILE FLOOR MARKER
D1602 Scale: 1 : 5

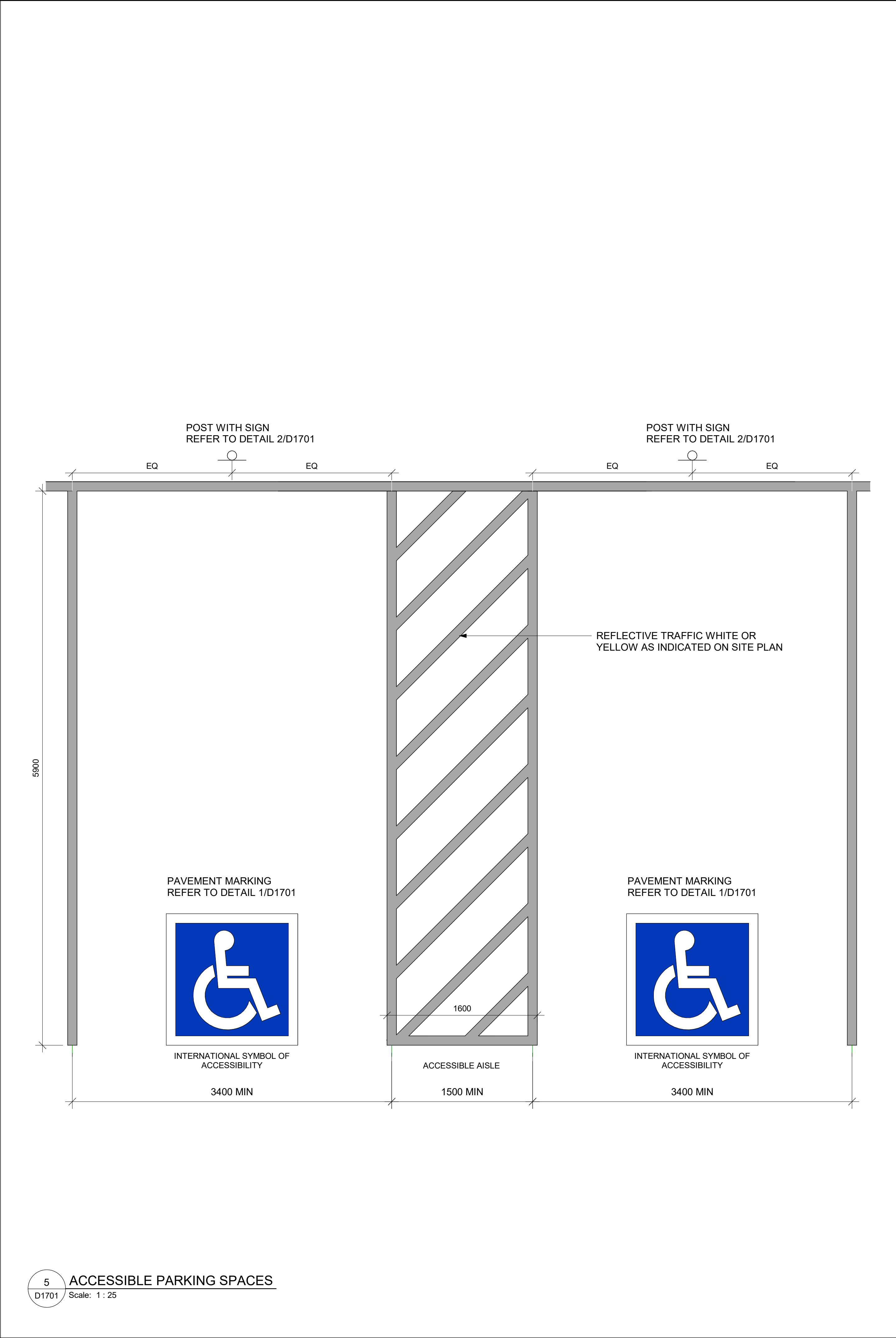
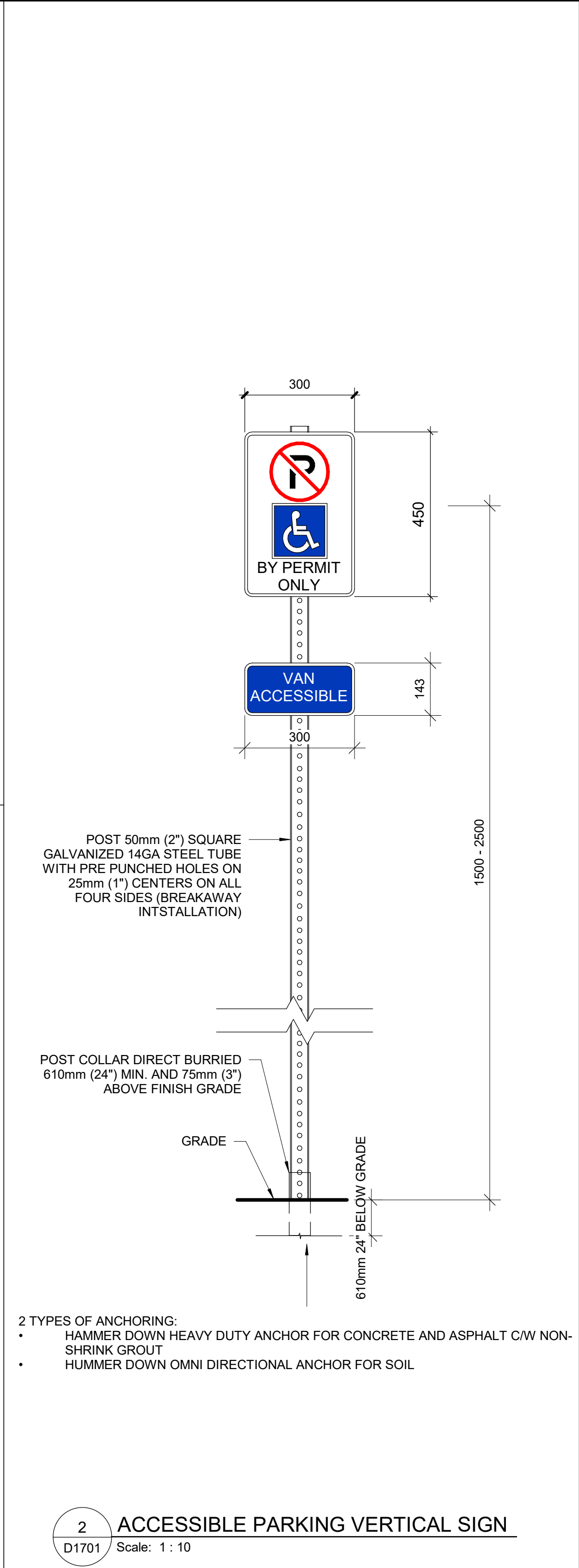
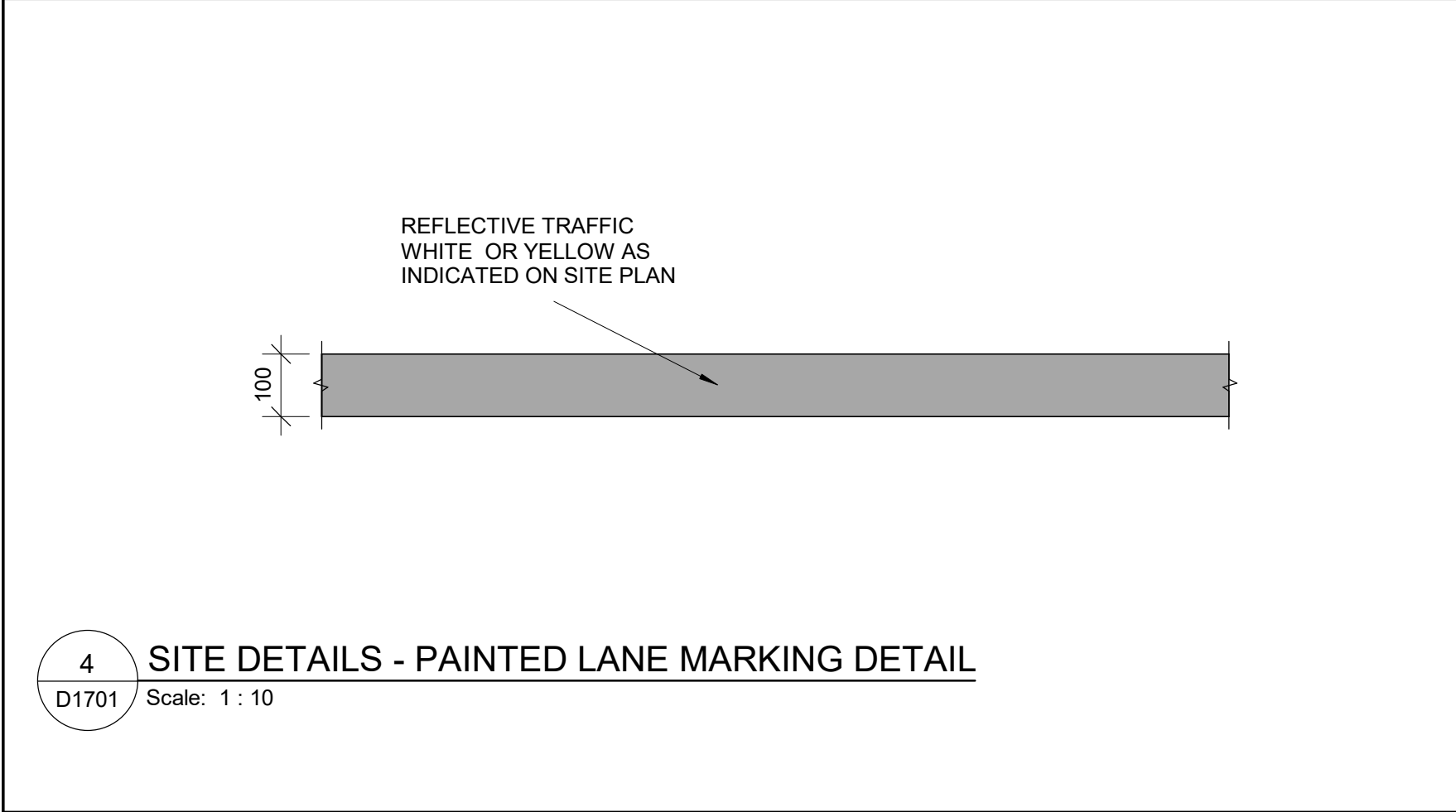
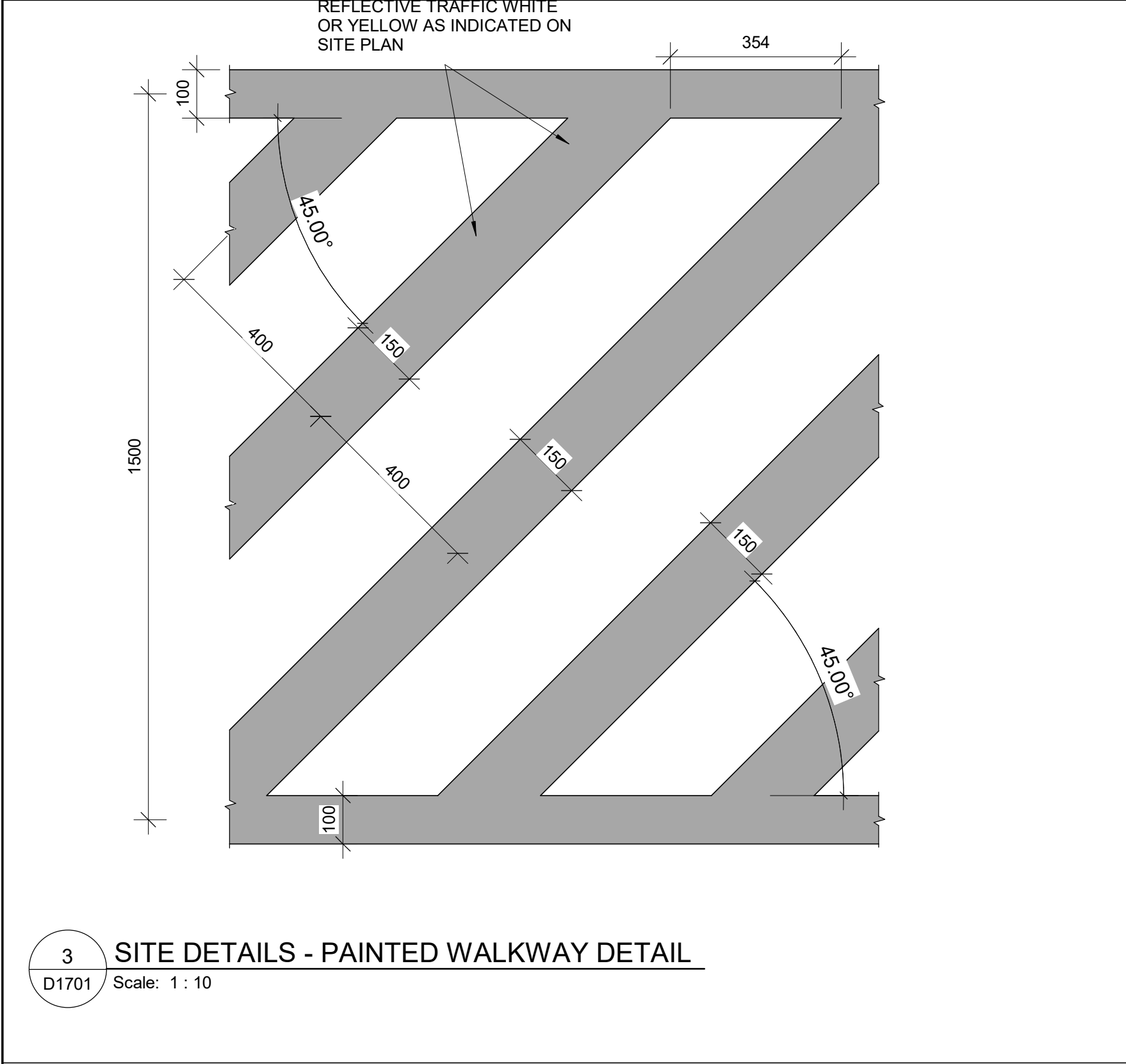




4 ELEVATOR EXTERIOR PANEL ELEVATION
D1602 Scale: 1 : 5

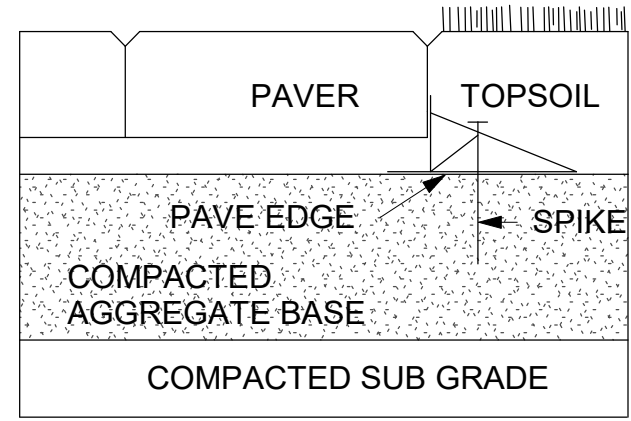


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PROJECT ADDRESS		
PROJECT NO: 9119- 19- 0162 / IBI 122260		
DRAWN BY: A. BOYNARIAN		CHECKED BY: L. BANDIERA
PROJECT MGR: L. SOSA		APPROVED BY: M. KOTBY
SHEET TITLE		
ELEVATOR CONTROL & INTERIOR CABIN DETAILS		
SHEET NUMBER		ISSUE
D1602		D

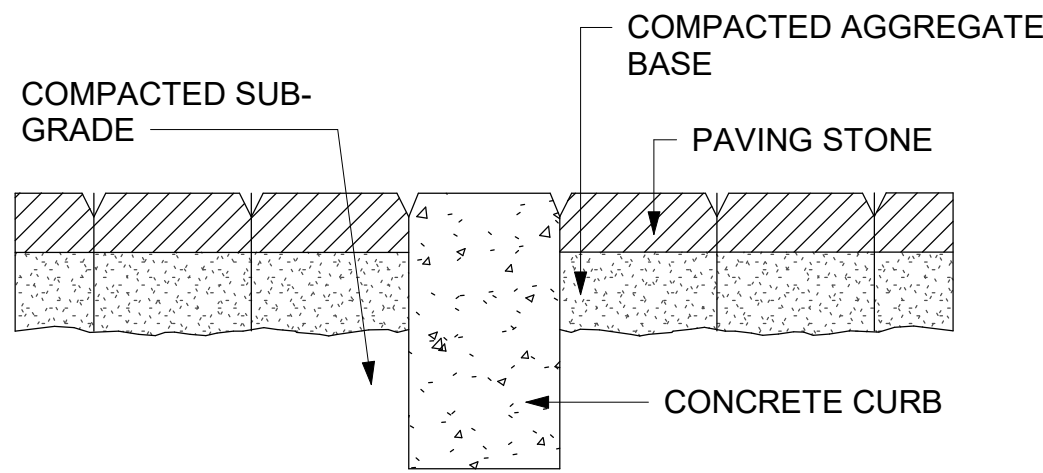
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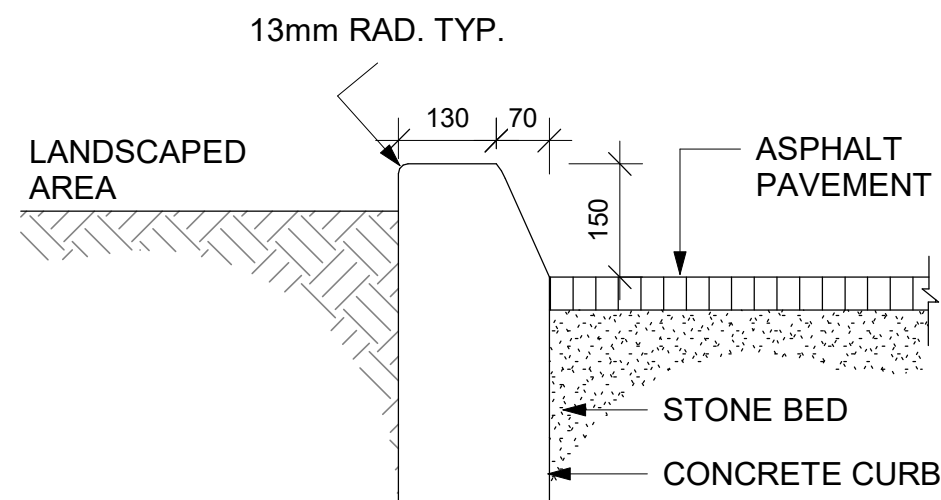
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 <div>IBI GROUP 175 Galaxy Blvd, Unit 100 Toronto, ON M9W 0C9, Canada tel 416 679 1930 fax 416 675 4620 ibigroup.com</div>		
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PROJECT ADDRESS		
PROJECT NO: 9119- 19- 0162 / IBI 122260		
DRAWN BY: A. BOYNARIAN		CHECKED BY: L. BANDIERA
PROJECT MGR: L. SOSA		APPROVED BY: M. KOTBY
SHEET TITLE		
ACCESSIBLE PARKING AND SITE MARKING DETAILS		
SHEET NUMBER		ISSUE
D1701		D



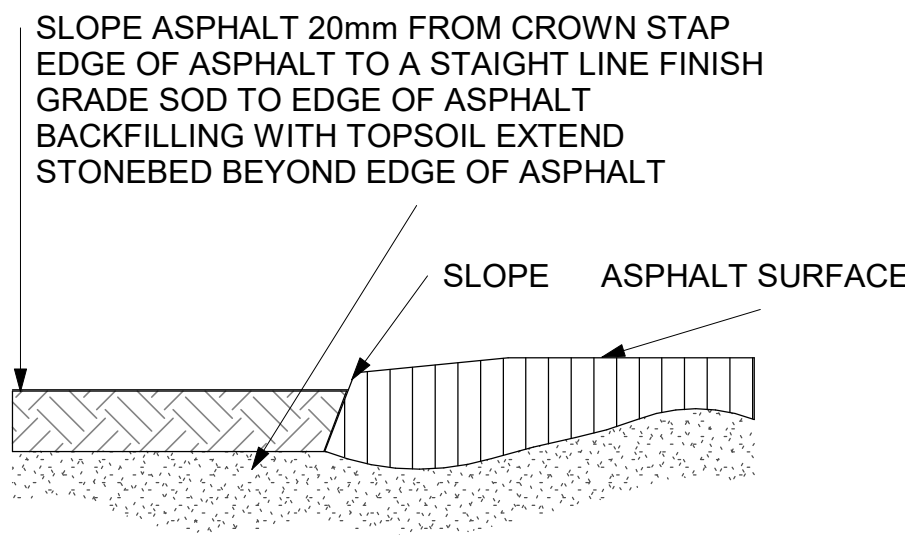
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D1702 Scale: 1 : 10



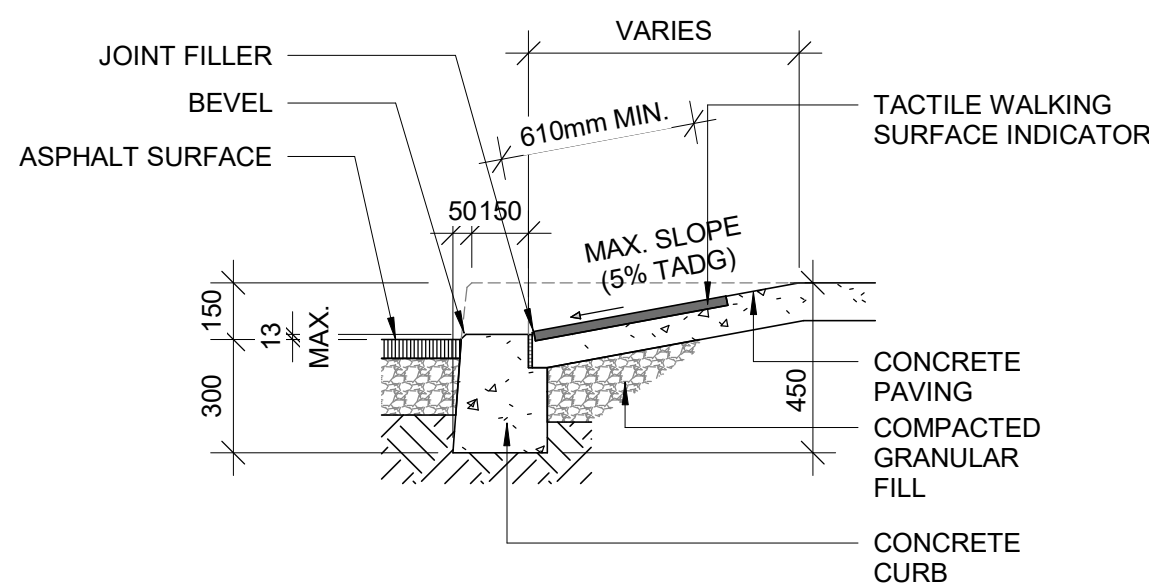
2 DEPRESSION CURB
D1702 Scale: 1 : 10



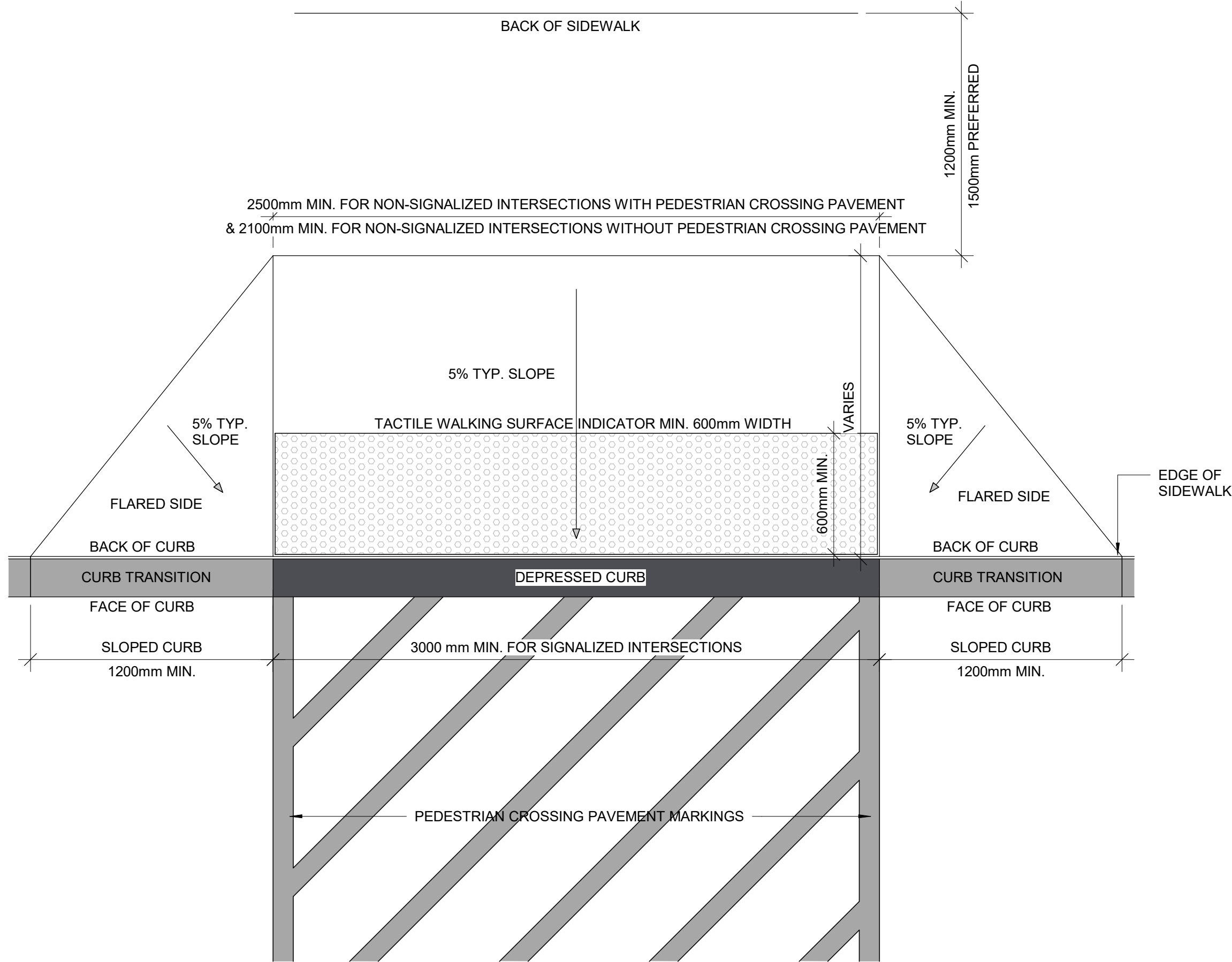
3 CURB DETAIL AT LANDSCAPED AREA
D1702 Scale: 1 : 10



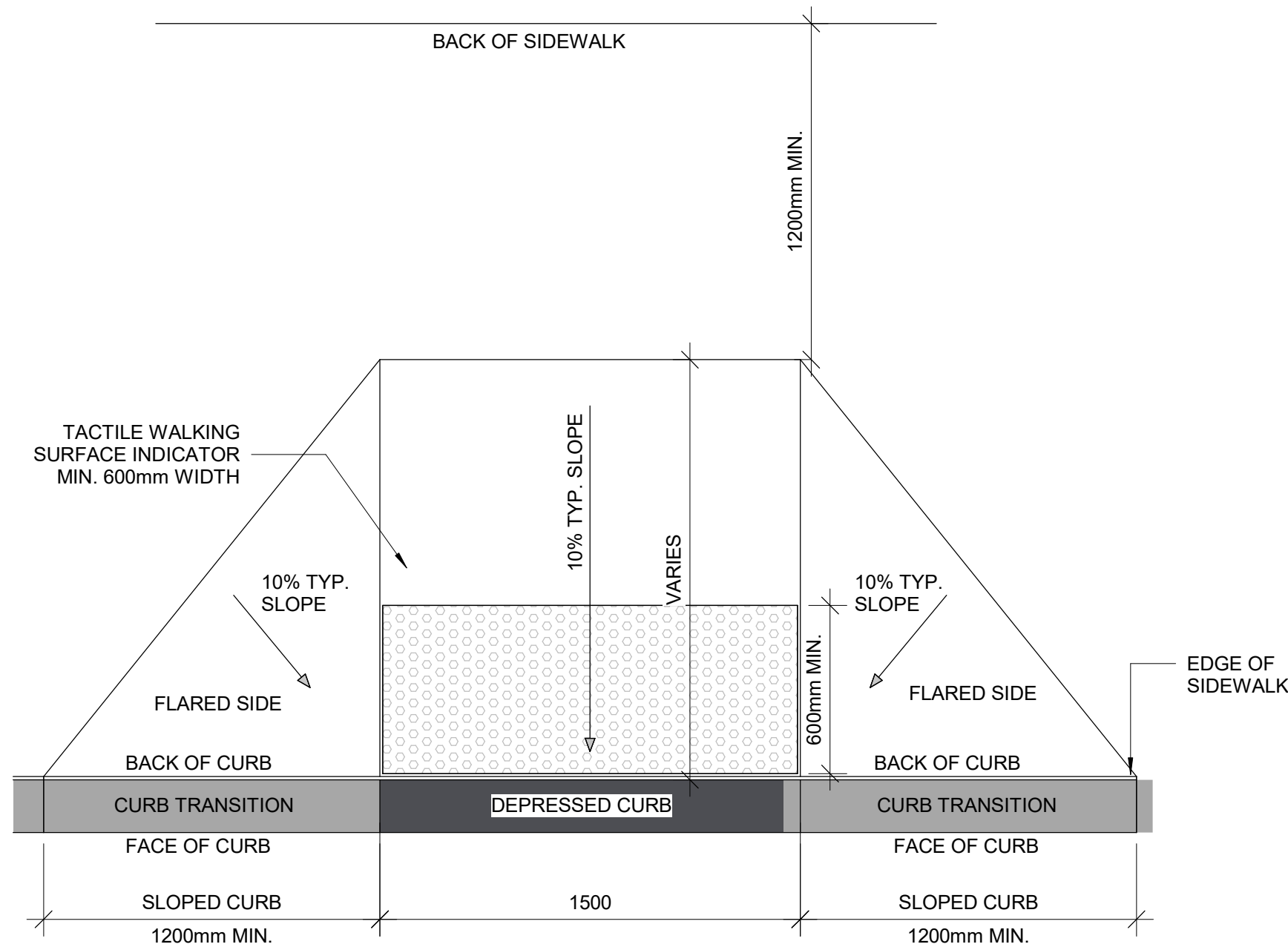
4 ASPHALT EDGE
D1702 Scale: 1 : 10



6 CURB RAMP SECTION
D1702 Scale: 1 : 20



5 LARGE CURB RAMP PLAN
D1702 Scale: 1 : 20



7 CURB RAMP PLAN
D1702 Scale: 1 : 20

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PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260

DRAWN BY:

A. BOYNARIAN

CHECKED BY:

L. BANDIERA

PROJECT MGR:

L. SOSA

APPROVED BY:

M. KOTBY

SHEET TITLE

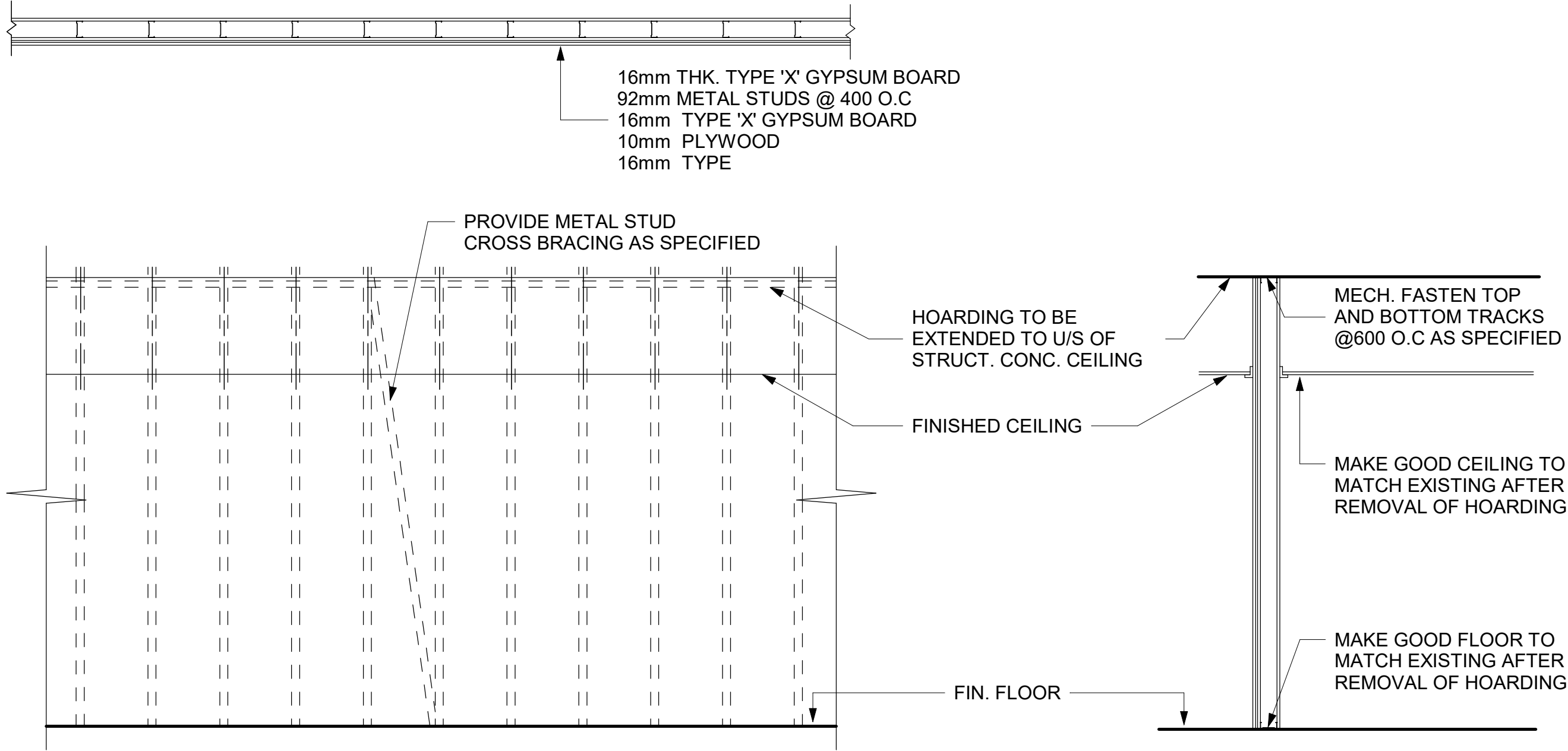
CURB DETAILS

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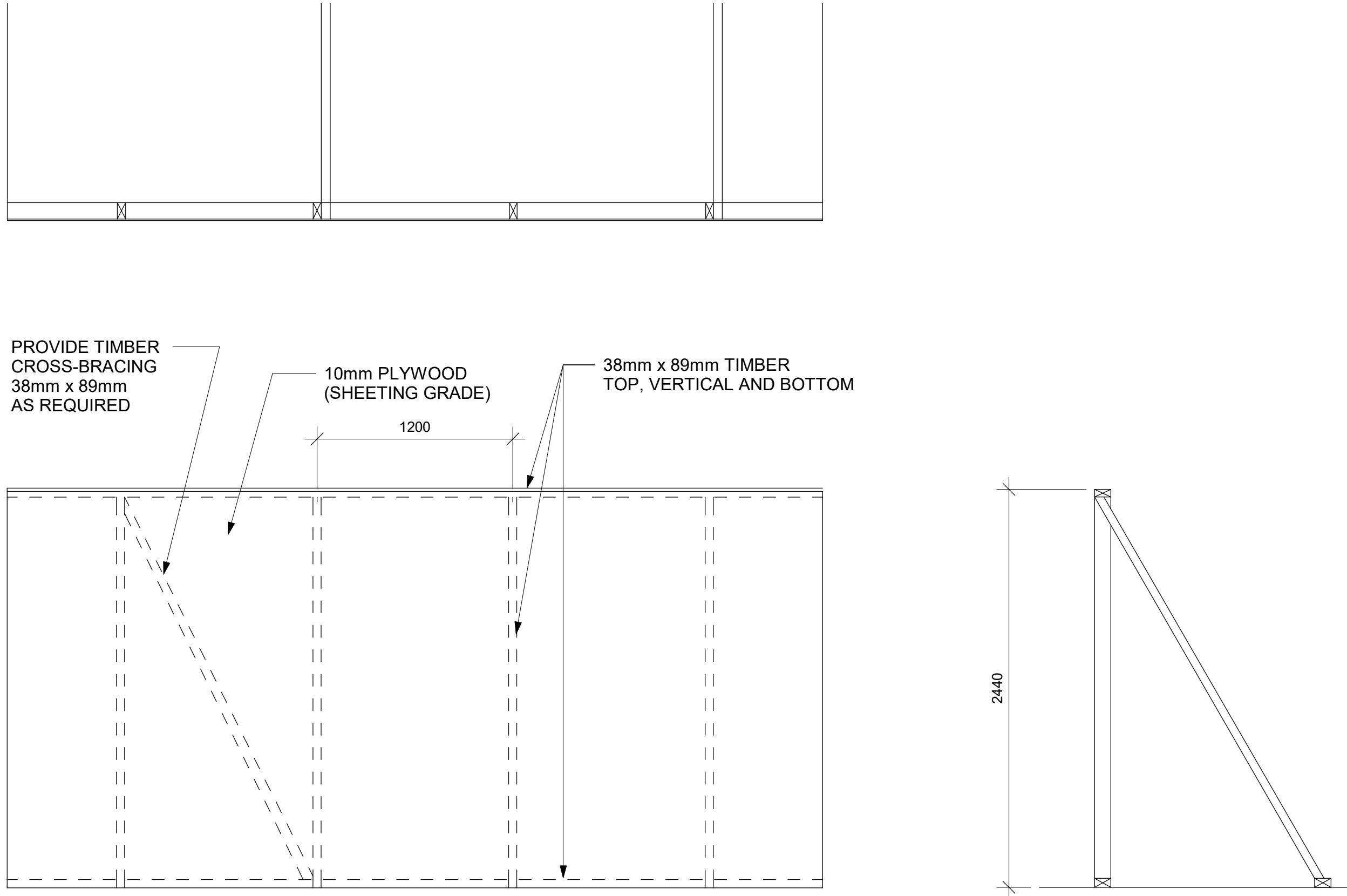
D1702

ISSUE

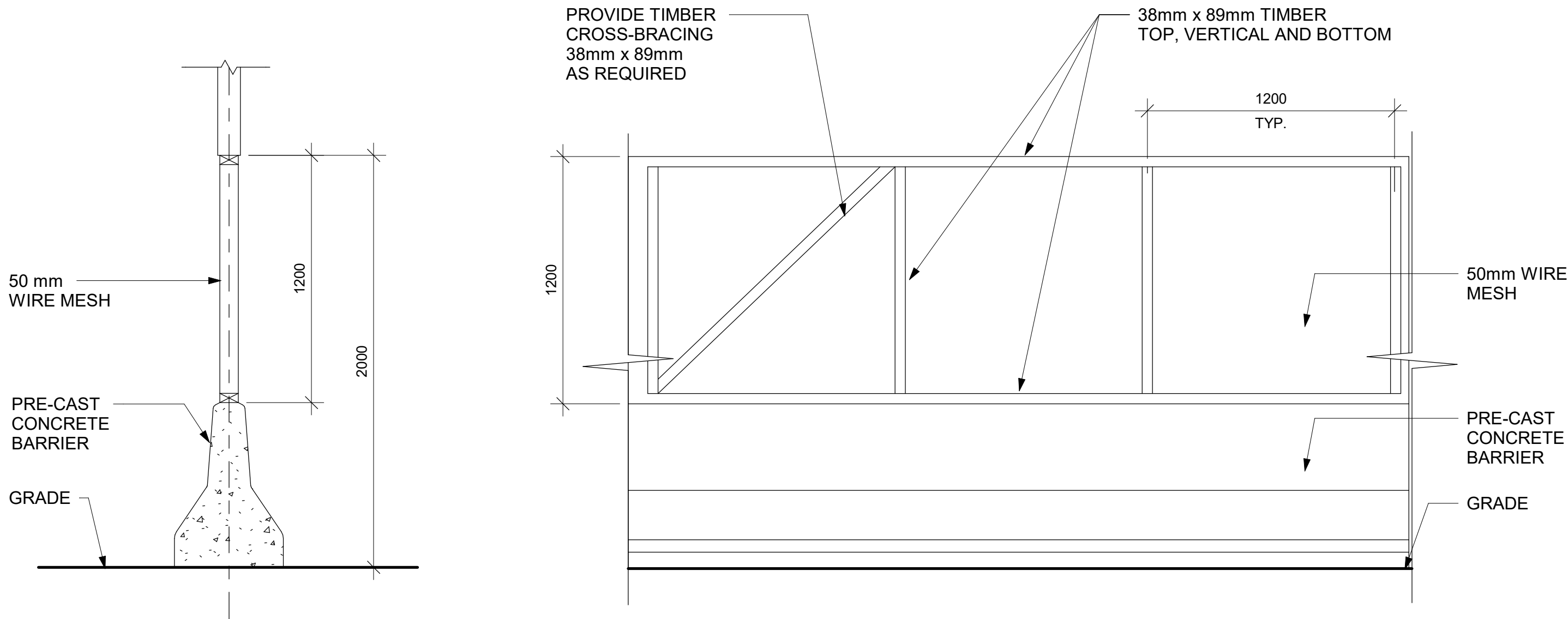
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1 PHASING / HOARDING DETAILS 1
D1801 Scale: 1 : 25



3 PHASING / HOARDING DETAILS 3
D1801 Scale: 1 : 25



2 PHASING / HOARDING DETAILS 2
D1801 Scale: 1 : 20

ISSUES		
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PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260


DRAWN BY: A. BOYNARIAN	CHECKED BY: L. BANDIERA
PROJECT MGR: L. SOSA	APPROVED BY: M. KOTBY

SHEET TITLE
HOARDING DETAILS

SHEET NUMBER D1801	ISSUE D
------------------------------	-------------------

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

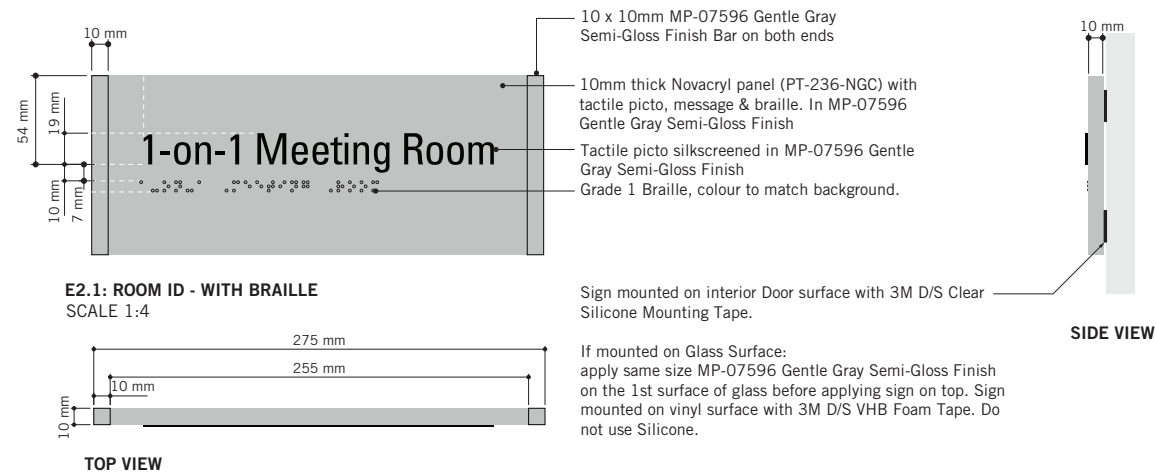
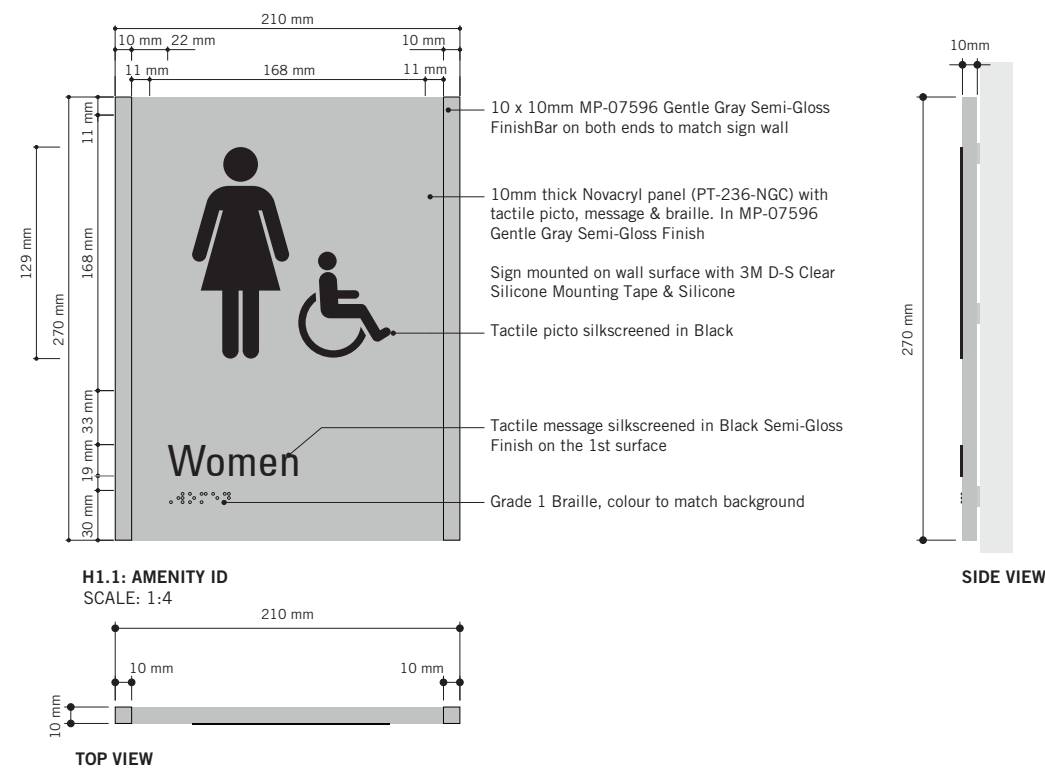




Technical drawing of a sign for the South Entrance. The sign is rectangular with a white background and a black wheelchair symbol. Below the symbol, the text "South Entrance" is written in a bold, sans-serif font. The drawing includes dimensions and callouts for materials and finishes:

- Dimensions:**
 - Overall width: 195 mm
 - Overall height: 215 mm
 - Top section height: 100 mm
 - Bottom section height: 115 mm
 - Left section width: 15 mm
 - Right section width: 15 mm
 - Text area width: 165 mm
 - Text area height: 100 mm
 - Text area left margin: 15 mm
 - Text area right margin: 15 mm
 - Text area bottom margin: 15 mm
- Callouts:**
 - 2mm thick clear plexi (PT-238-RG2) with tactile print, message & icons.
 - Surface and message printed in Matthews Paint MP-11557 matte clear Tung Oil-Free Finish.
 - Sign mounted to exterior wall surface with 3M 3M Exterior Mounting Tape and Fasteners.
 - Tactile graphics, message and line printed in MP-11557 matte clear Tung Oil-Free Finish on the 1st surface.
 - Do not use STAMP PAINT for Exterior signs, here is the printed.
 - Grade 1 Braille, colour to match background.
 - 1/2" Sign Post Area 60

14.2. ACCESSIBLE ENTRANCE - EXTERIOR
 SCALE: 1:0



Note:
Typical colours for all Toronto Police
Service Standards building upgrades.

ISSUES		
No.	DESCRIPTION	DATE
A	90% SUBMISSION	2021-12-17
B	ISSUED FOR TENDER	2022-02-16

ENTRO
33 Harbour Square, Suite 202
Toronto, Canada M5J 2G2

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Toronto, ON M9W 0C9, Canada
tel 416 679 1930 fax 416 675 4620
ibigroup.com

PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS
GROUP 29/14 BUILDINGS

PROJECT NO:
9119 - 19 - 0162 / IBI 122260

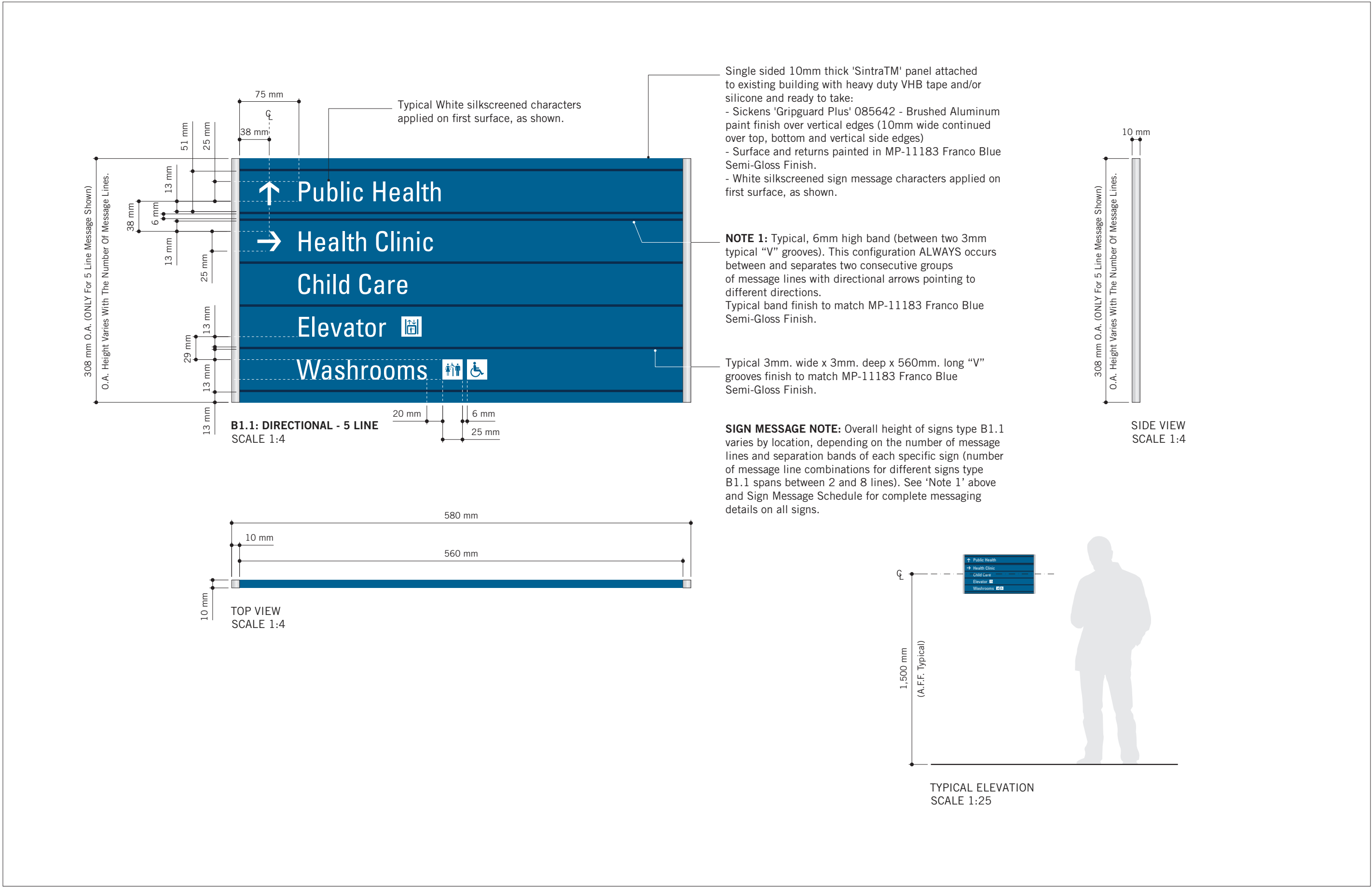
DRAWN BY: M. LOW
PROJECT M R. DALY

CHECKED BY:
C.D. SCHNOB

SHEET TITLE	SIGNAGE & WAYFINDING DETAILS
	GENERAL SPECIFICATIONS

SHEET NUMBER
D1901

ISSUE
B



TYPICAL TORONTO ARCHIVES BUILDING STANDARDS

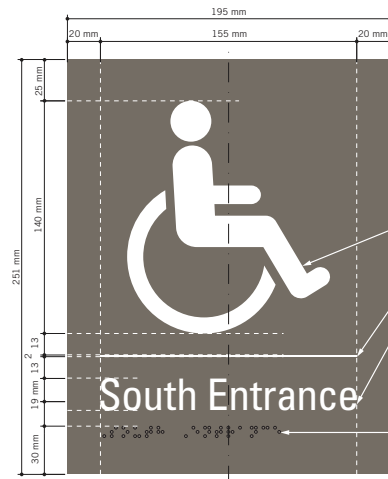


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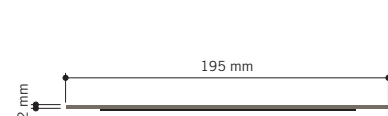


PUMPERNICKLE

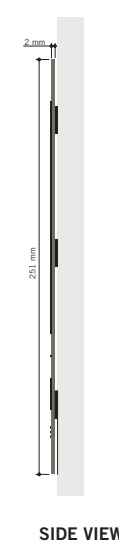
Matthews Acrylic
MP-06179
Semi-Gloss Finish



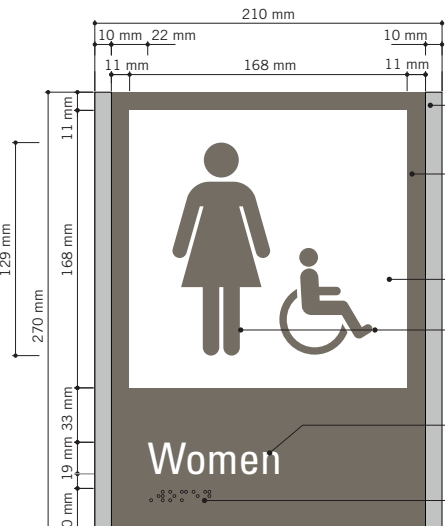
H1.1: AMENITY ID
SCALE 1:4



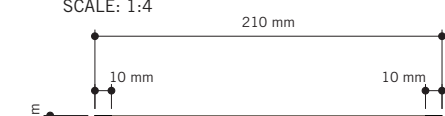
H2.2: ACCESSIBLE ENTRANCE ID - EXTERIOR
SCALE 1:2



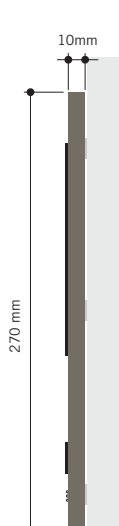
SIDE VIEW



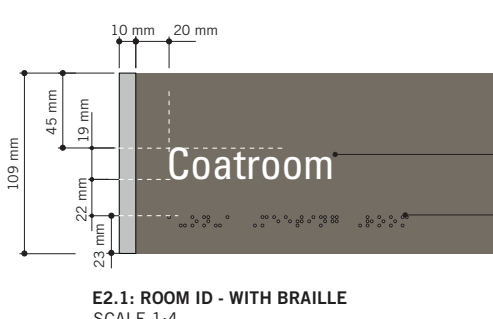
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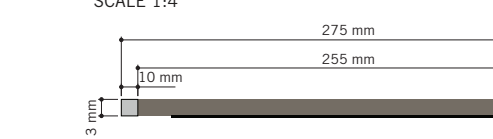
TOP VIEW



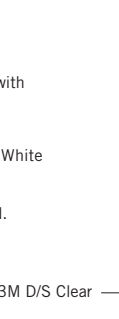
SIDE VIEW



E2.1: ROOM ID - WITH BRAILLE
SCALE 1:4



TOP VIEW



SIDE VIEW

Note:
Typical colours for Toronto Archives
Building Standards building upgrades.



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PRIME CONSULTANT

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Toronto, ON M9W 0C9, Canada
tel 416 675 1830 fax 416 675 4620
ibi-group.com

PROJECT TITLE

**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

GROUP 29/14 BUILDINGS

PROJECT NO:
9119 - 19 - 0162 / IBI 122260

DRAWN BY:

M.LOW

CHECKED BY:

C.D. SCHNOBB

PROJECT MGR:

R. DALY

APPROVED BY:

SHEET TITLE

**SIGNAGE & WAYFINDING
DETAILS**

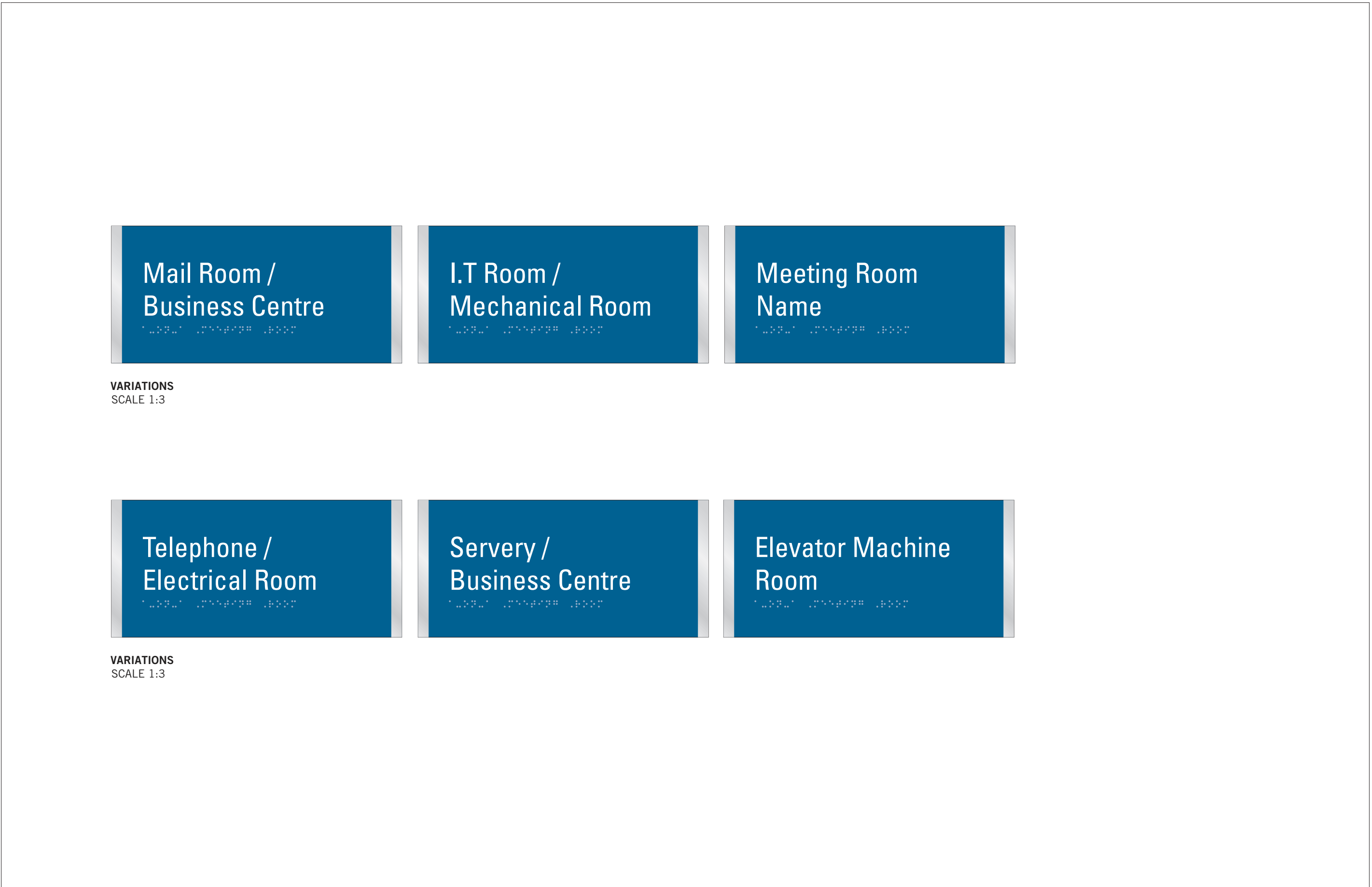
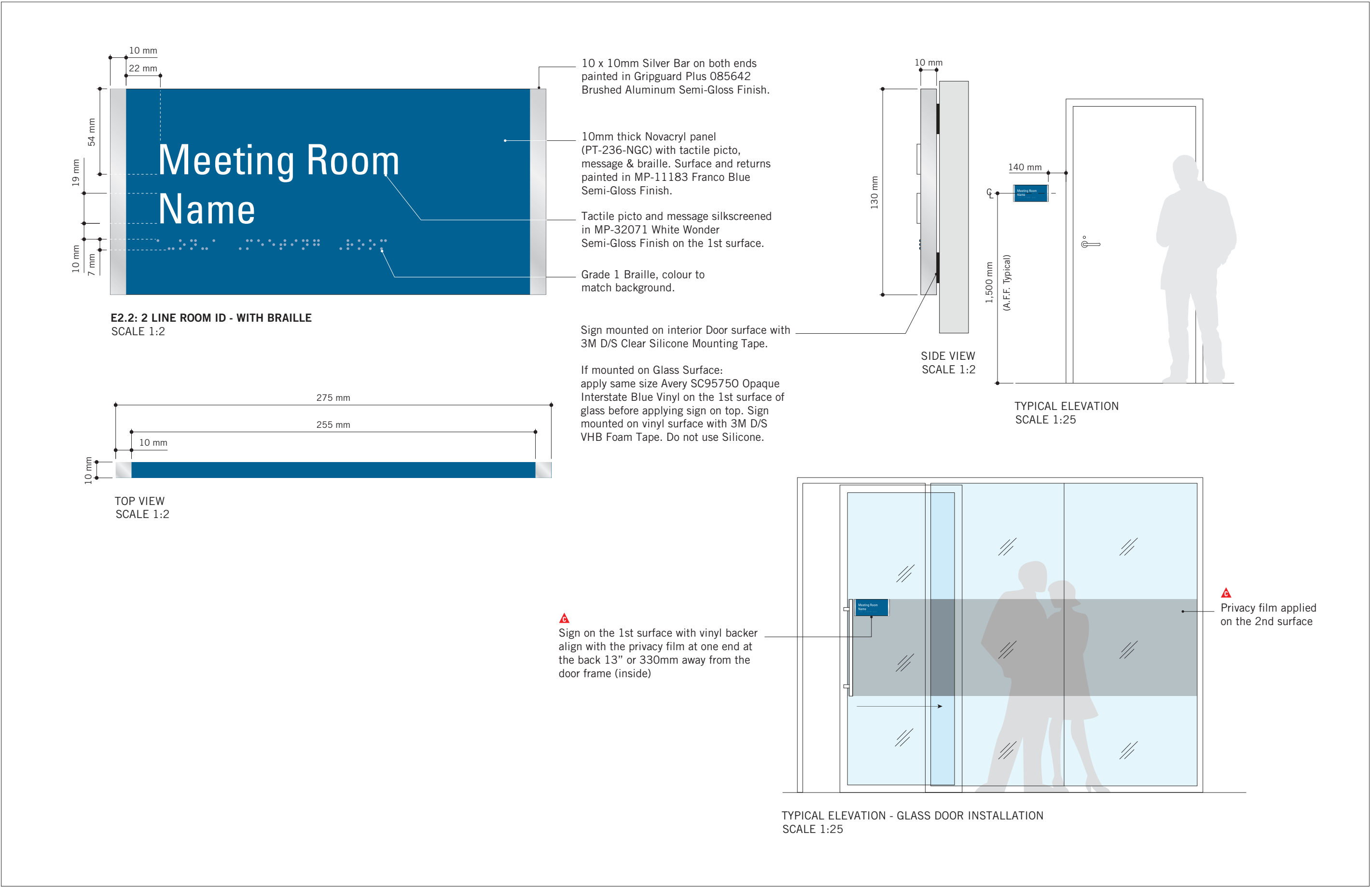
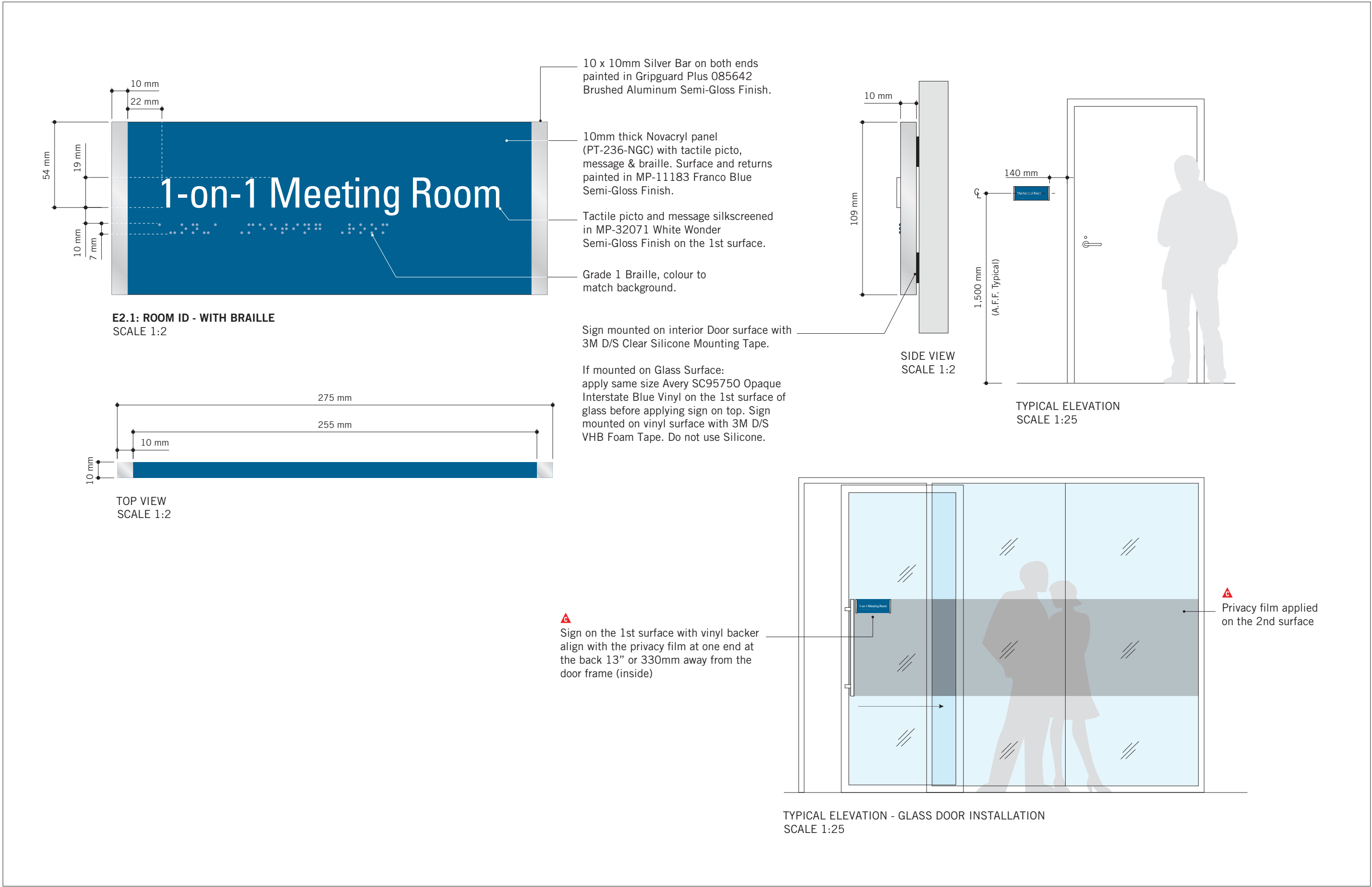
B1.1: DIRECTIONAL SIGNAGE



SHEET NUMBER

D1902

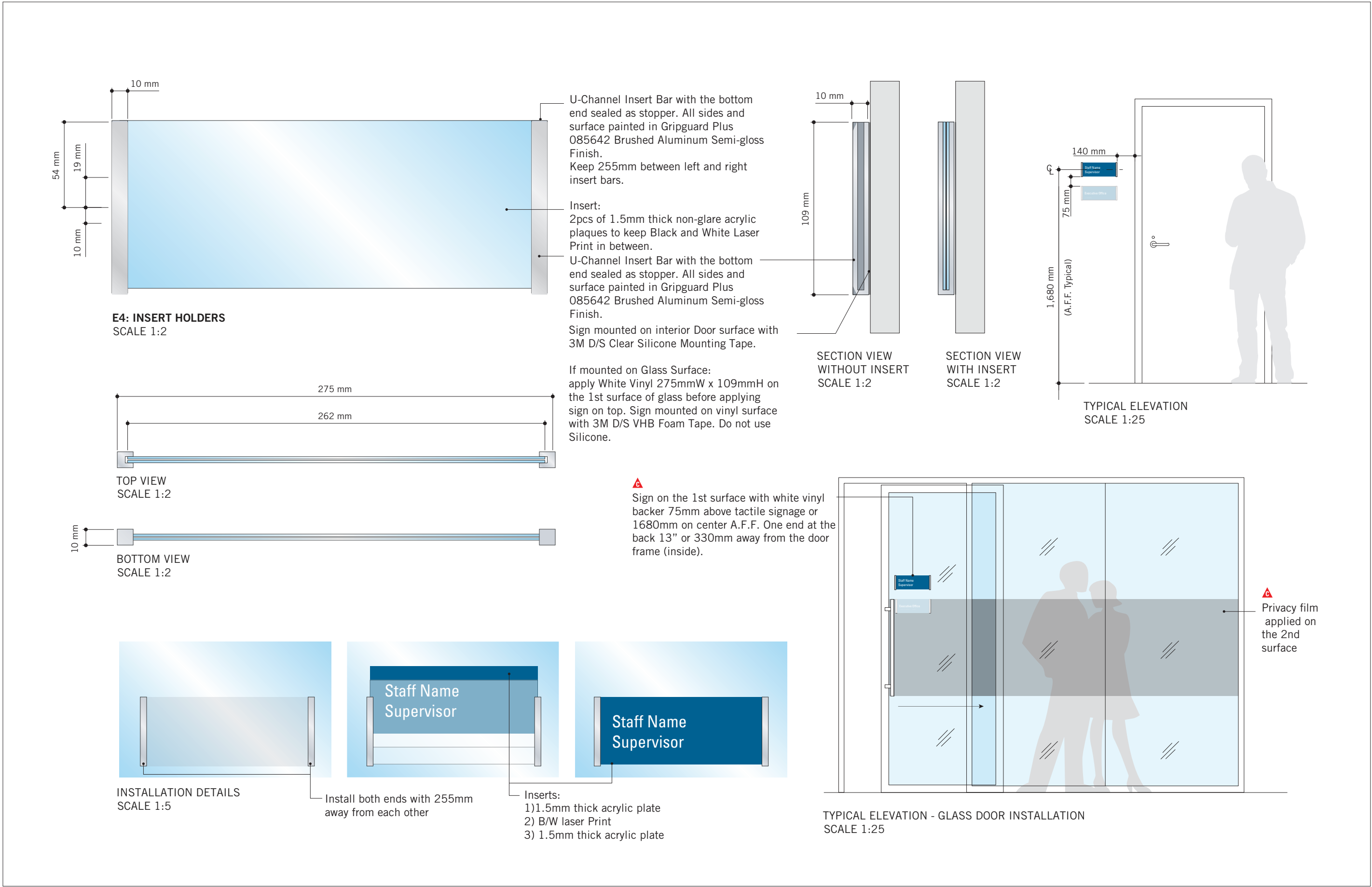
ISSUE

B



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PROJECT TITLE		
CITY OF TORONTO ACCESSIBILITY UPGRADES		
PROJECT ADDRESS		
GROUP 29/14 BUILDINGS		
PROJECT NO: 9119 – 19 – 0162 / IBI 122260		
DRAWN BY: M.LOW	CHECKED BY: C.D. SCHNOBB	
PROJECT MGR: R. DALY	APPROVED BY:	
SHEET TITLE		
SIGNAGE & WAYFINDING DETAILS E2: ROOM ID		
SHEET NUMBER		ISSUE
D1903		B

C:\Users\jara.boymarin\Desktop\TAU-G31 - 100 QUEEN ST WEST - CITY HALL.dwg10mmSCALE CHECK



ISSUES		
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Toronto, ON M9W 0C9, Canada
tel 416 675 1830 fax 416 675 4620
ibigroup.com

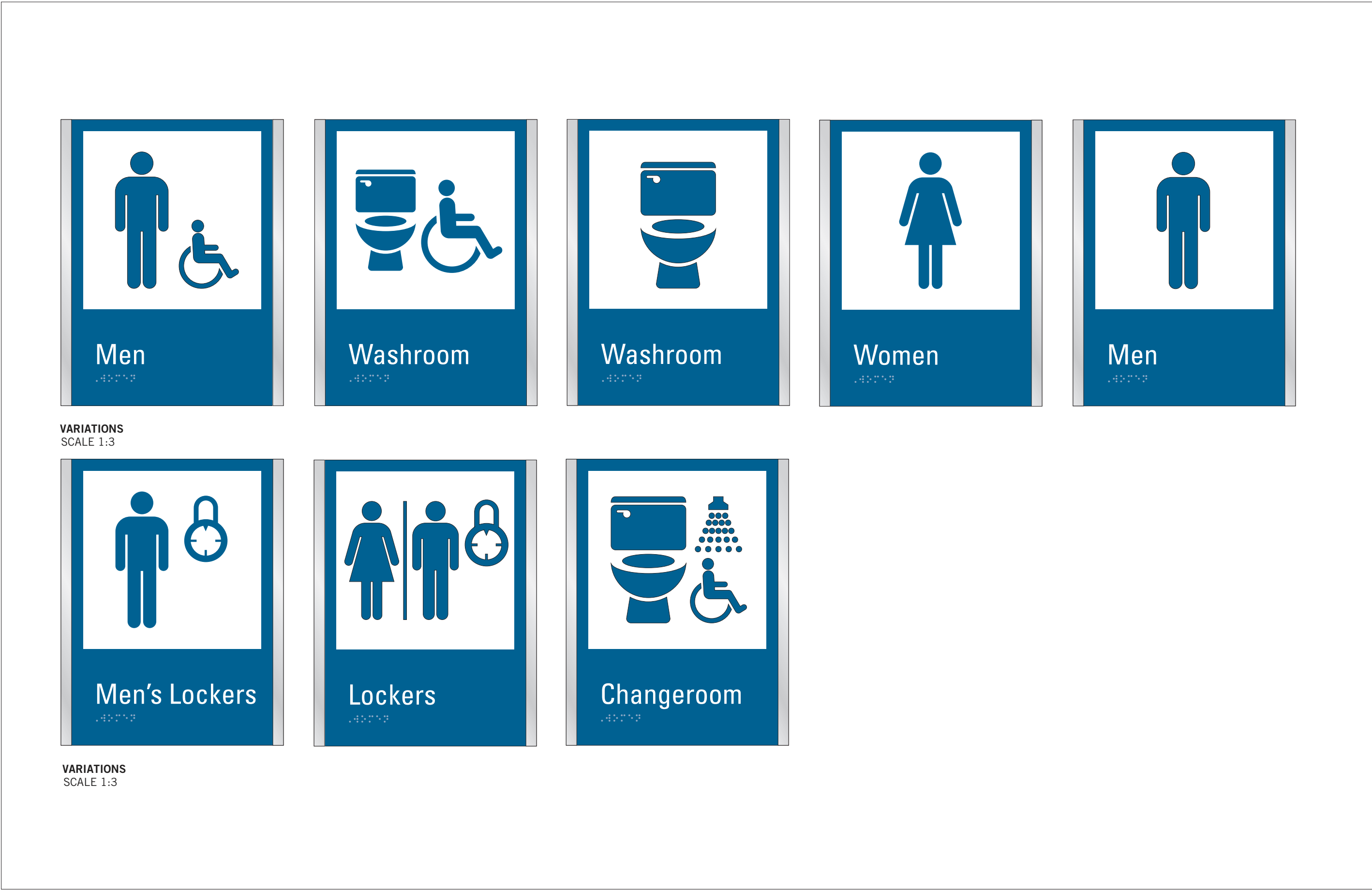
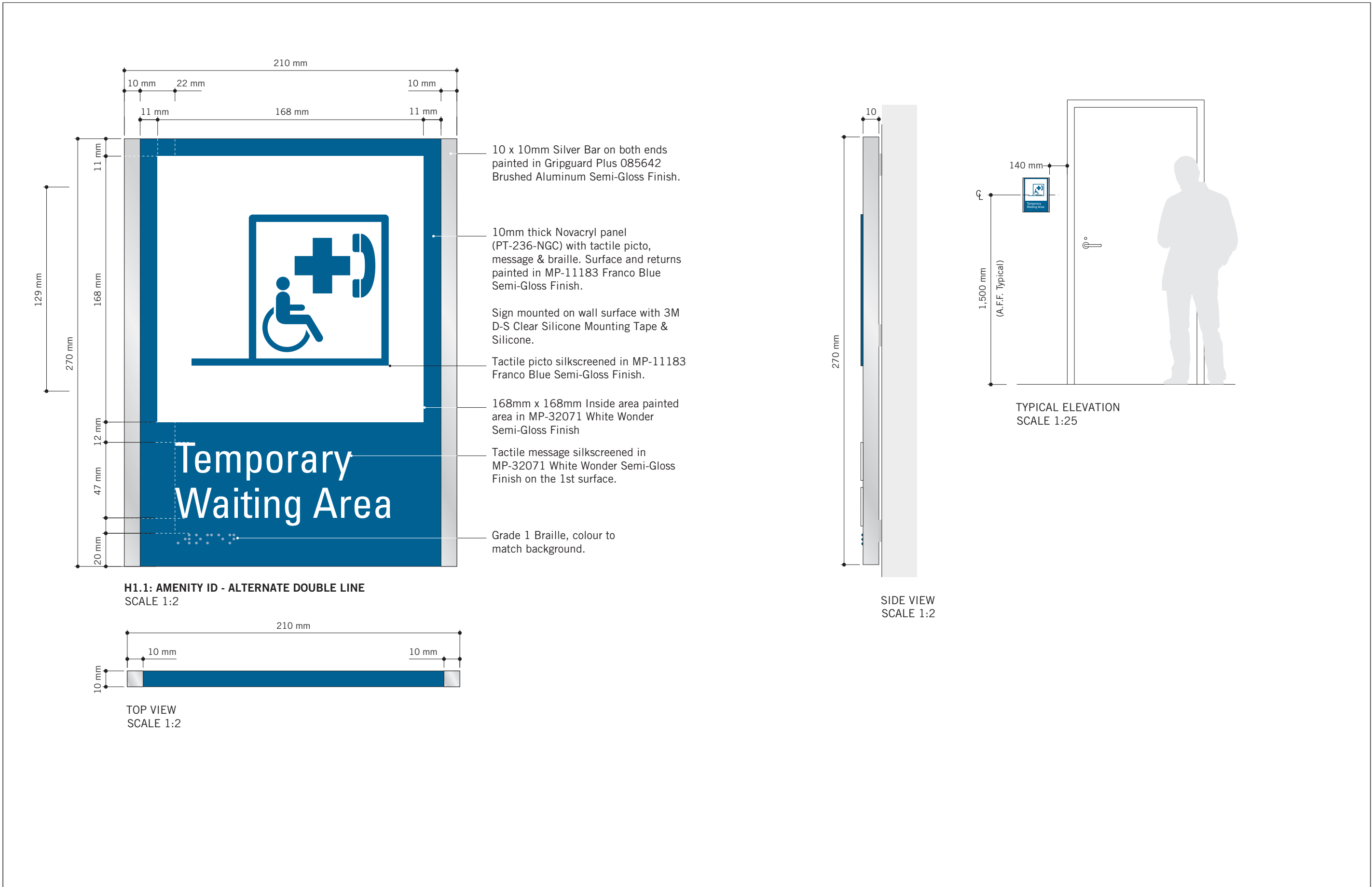
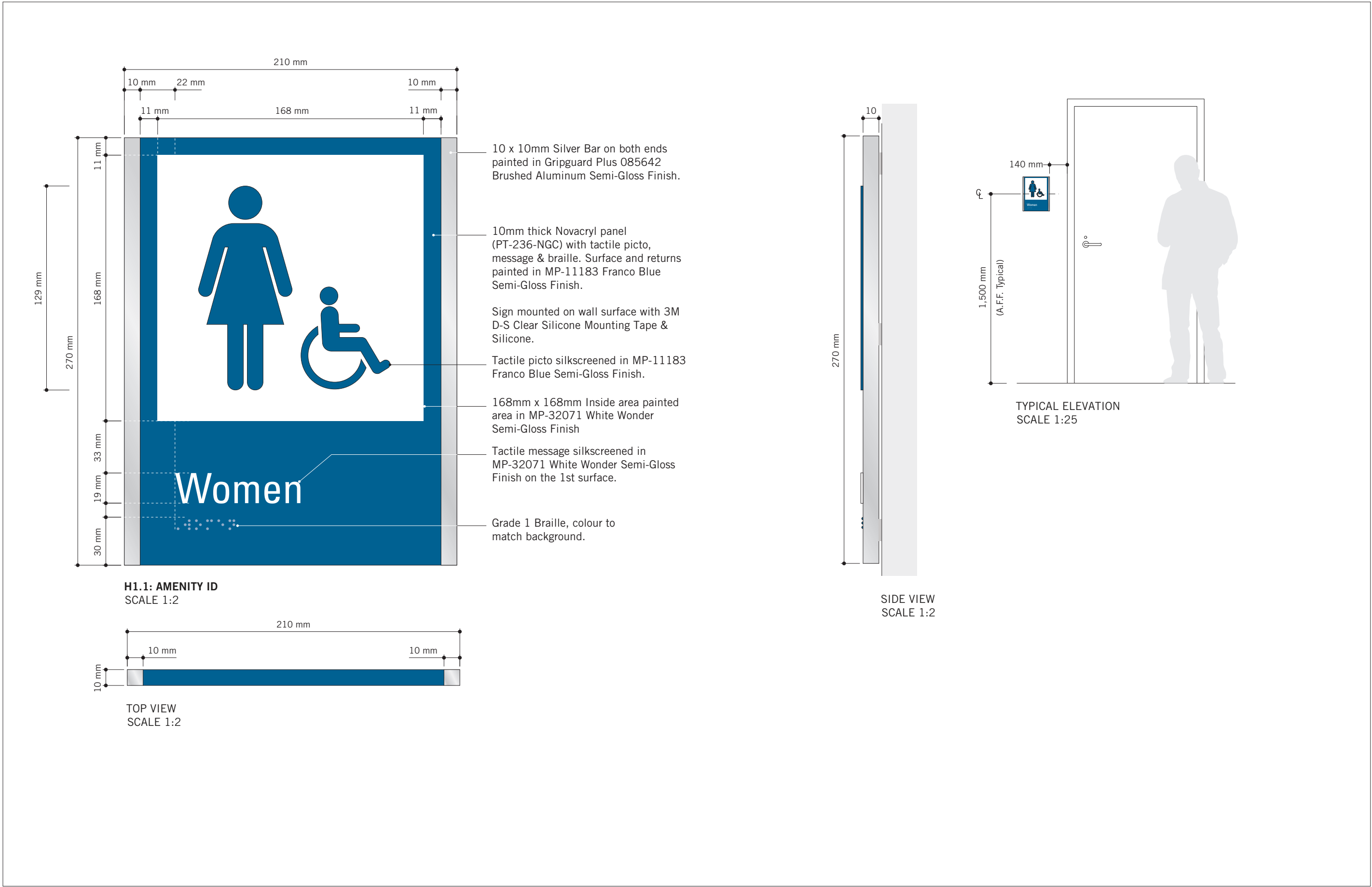
PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES


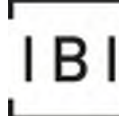
PROJECT ADDRESS
GROUP 29/14 BUILDINGS

PROJECT NO:
9119 – 19 – 0162 / IBI 122260
DRAWN BY:
M.LOW
CHECKED BY:
C.D. SCHNOBB
PROJECT MGR:
R. DALY
APPROVED BY:

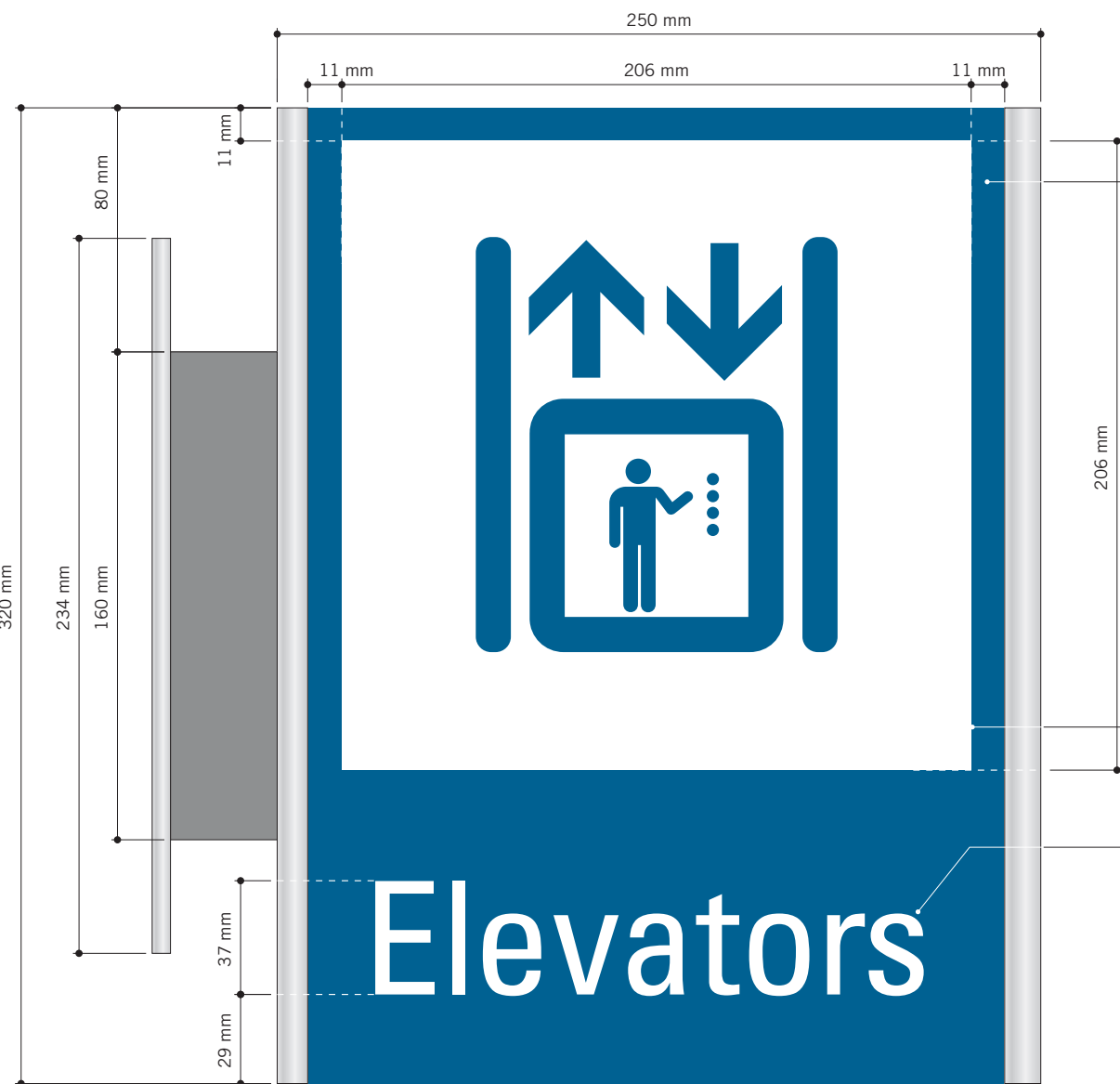
SHEET TITLE
SIGNAGE & WAYFINDING
DETAILS
E4: INSERT HOLDER

SHEET NUMBER
D1904
ISSUE
B

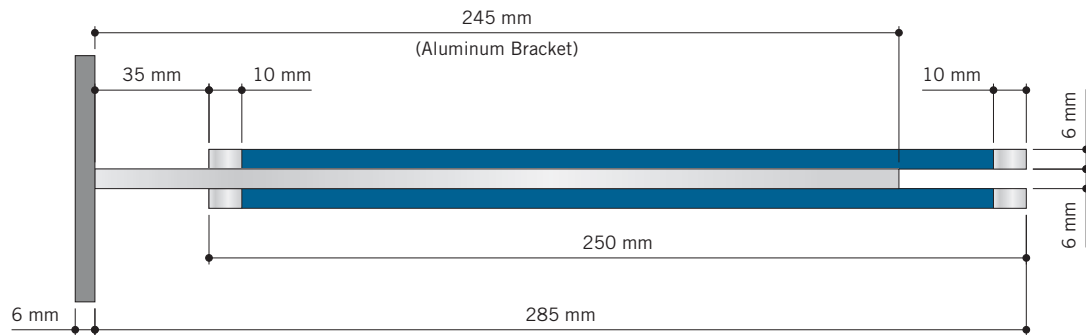


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CITY OF TORONTO		
		
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PRIME CONSULTANT		
 IBI GROUP 175 Galloway Blvd., Unit 100 Toronto, ON M9W 0C9, Canada tel 416 679 1830 fax 416 675 4620 ibigroup.com		
PROJECT TITLE		
CITY OF TORONTO ACCESSIBILITY UPGRADES		
PROJECT ADDRESS		
GROUP 29/14 BUILDINGS		
PROJECT NO: 9119 – 19 – 0162 / IBI 122260		
DRAWN BY: M.LOW	CHECKED BY: C.D. SCHNOBB	
PROJECT MGR: R. DALY	APPROVED BY:	
SHEET TITLE		
SIGNAGE & WAYFINDING DETAILS		
H1.1: AMENITY ID		
SHEET NUMBER		ISSUE
D1905		B

C:\Users\jara.boymatin\Desktop\TAU-G31 - 100 QUEEN ST WEST - CITY HALL.dwg
SCALE CHECK
10mm



H2.1: PROJECTING AMENITY ID
SCALE 1:2



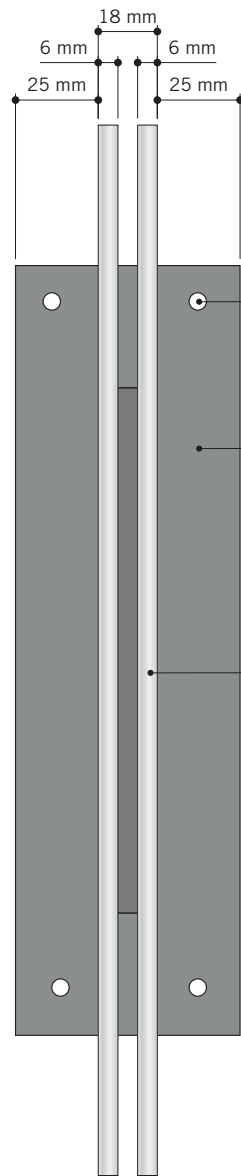
TOP VIEW
SCALE 1:2

(2) 6mm thick 'Sintra' panels, attached back to back to the 6mm thick Aluminum wall bracket, as shown.
Paint sign face (230mm wide continued over top & bottom) in Matthews Paint Semi-Gloss Finish MP-11183 Franco Blue.

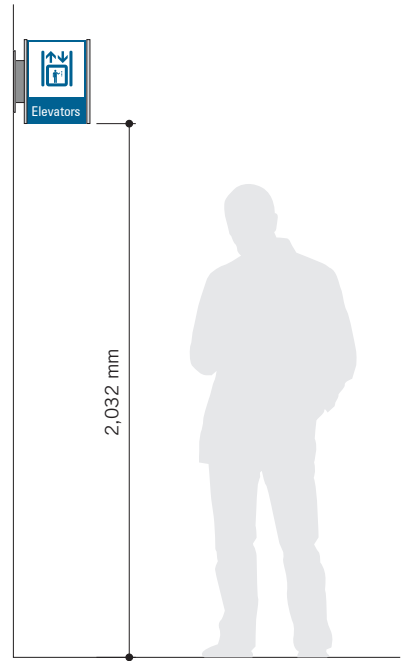
Vertical edges (10mm wide continued over top, bottom and vertical edges) painted in GripGuard Plus 085642 Brushed Aluminum Semi-Gloss Finish.

3M 7725-20 Opaque Matte White Vinyl with knocked-out graphics applied to both sign faces.

3M 7725-20 Opaque Matte White Vinyl Letters applied to both sign faces.



SIDE VIEW
SCALE 1:2



TYPICAL ELEVATION
SCALE 1:25



VARIATIONS
SCALE 1:4



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ibigroup.com

PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS
GROUP 29/14 BUILDINGS

PROJECT NO:
9119 – 19 – 0162 / IBI 122260

DRAWN BY:
M.LOW

CHECKED BY:
C.D. SCHNOBB

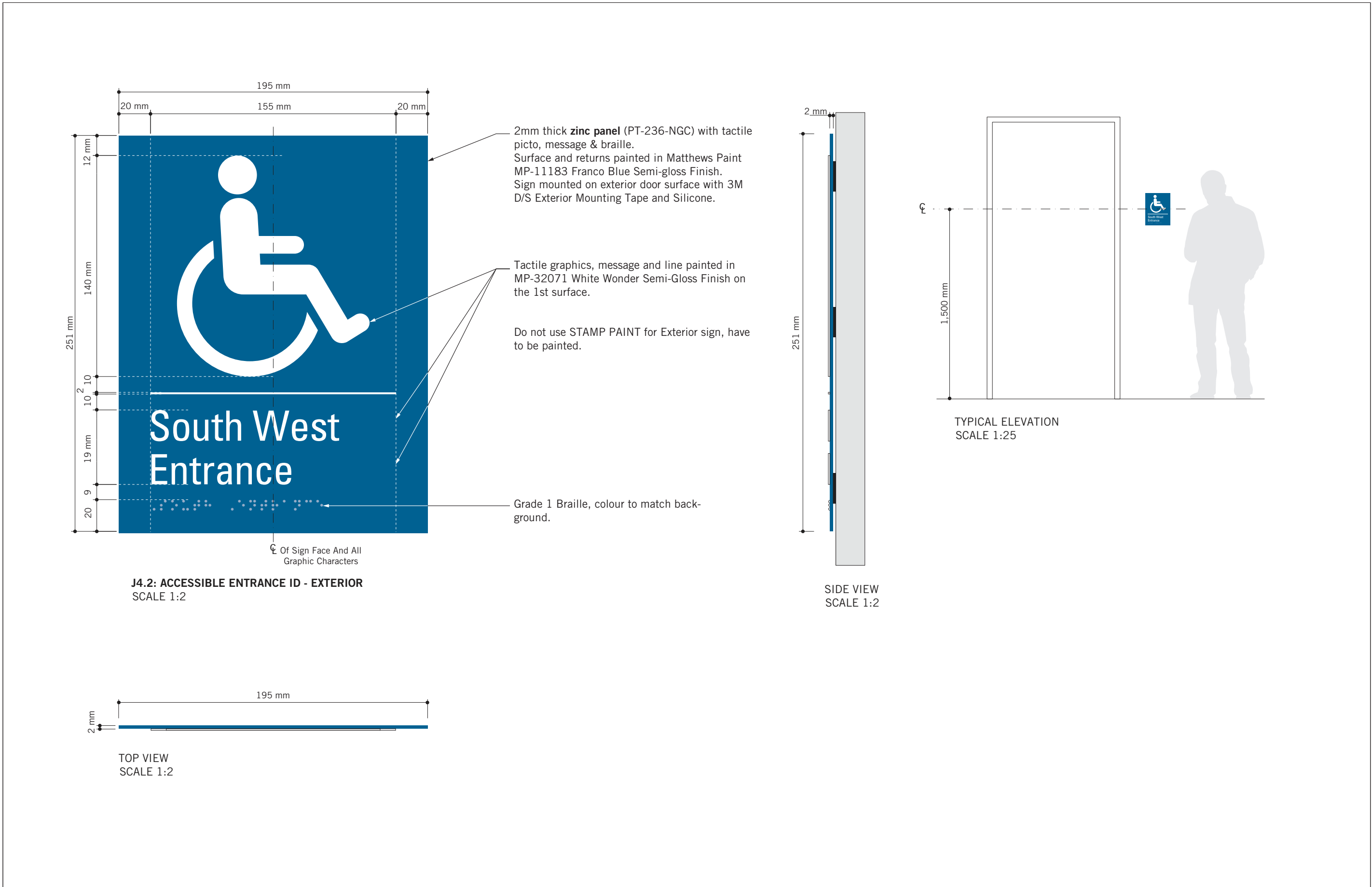
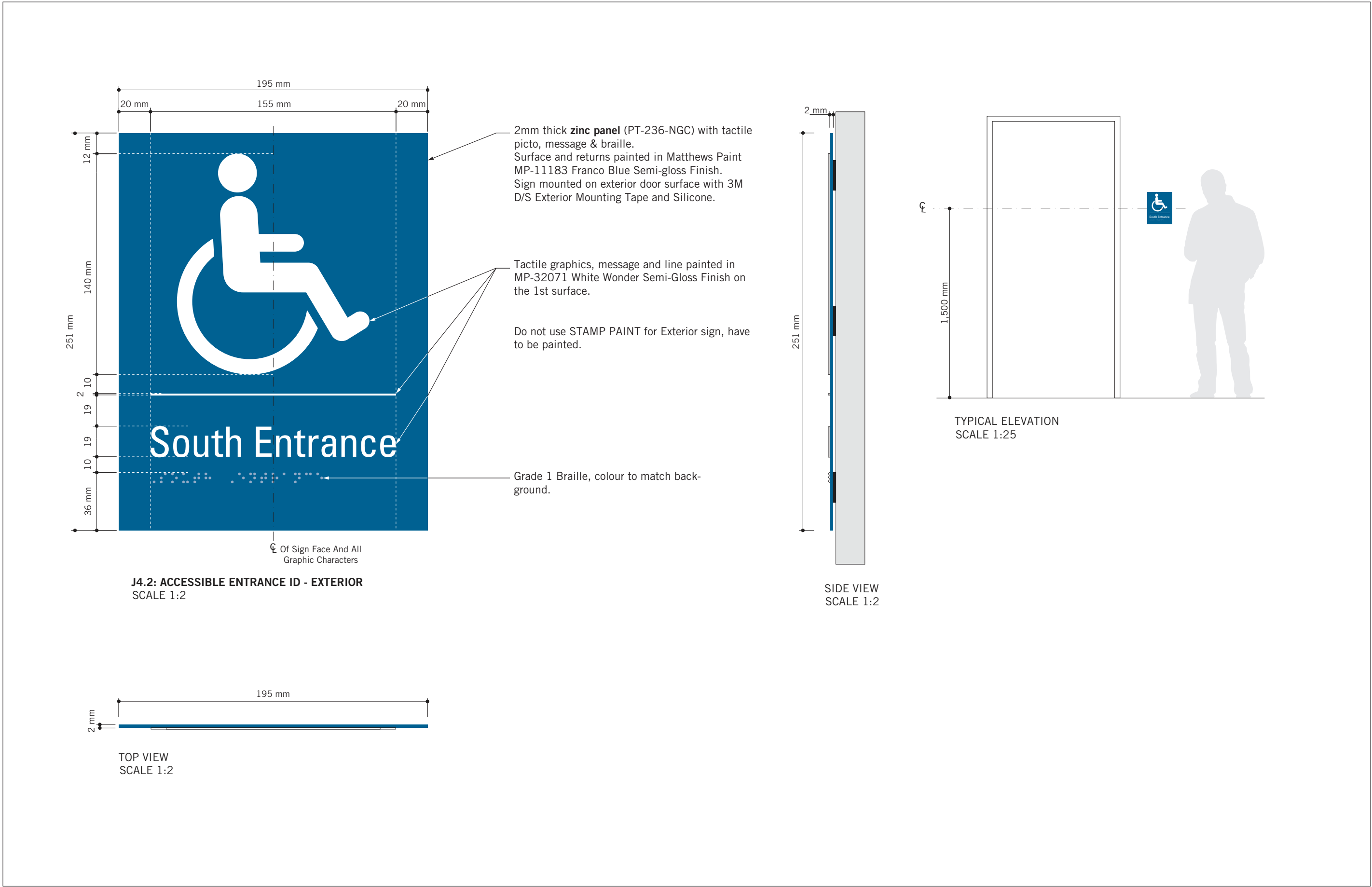
PROJECT MGR:
R. DALY

APPROVED BY:

SHEET TITLE
**SIGNAGE & WAYFINDING
DETAILS
H2.1:PROJECTING AMENITY
ID**

SHEET NUMBER
D1906

ISSUE
B



ISSUES		
No.	DESCRIPTION	DATE
A	90% SUBMISSION	2021-12-17
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PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

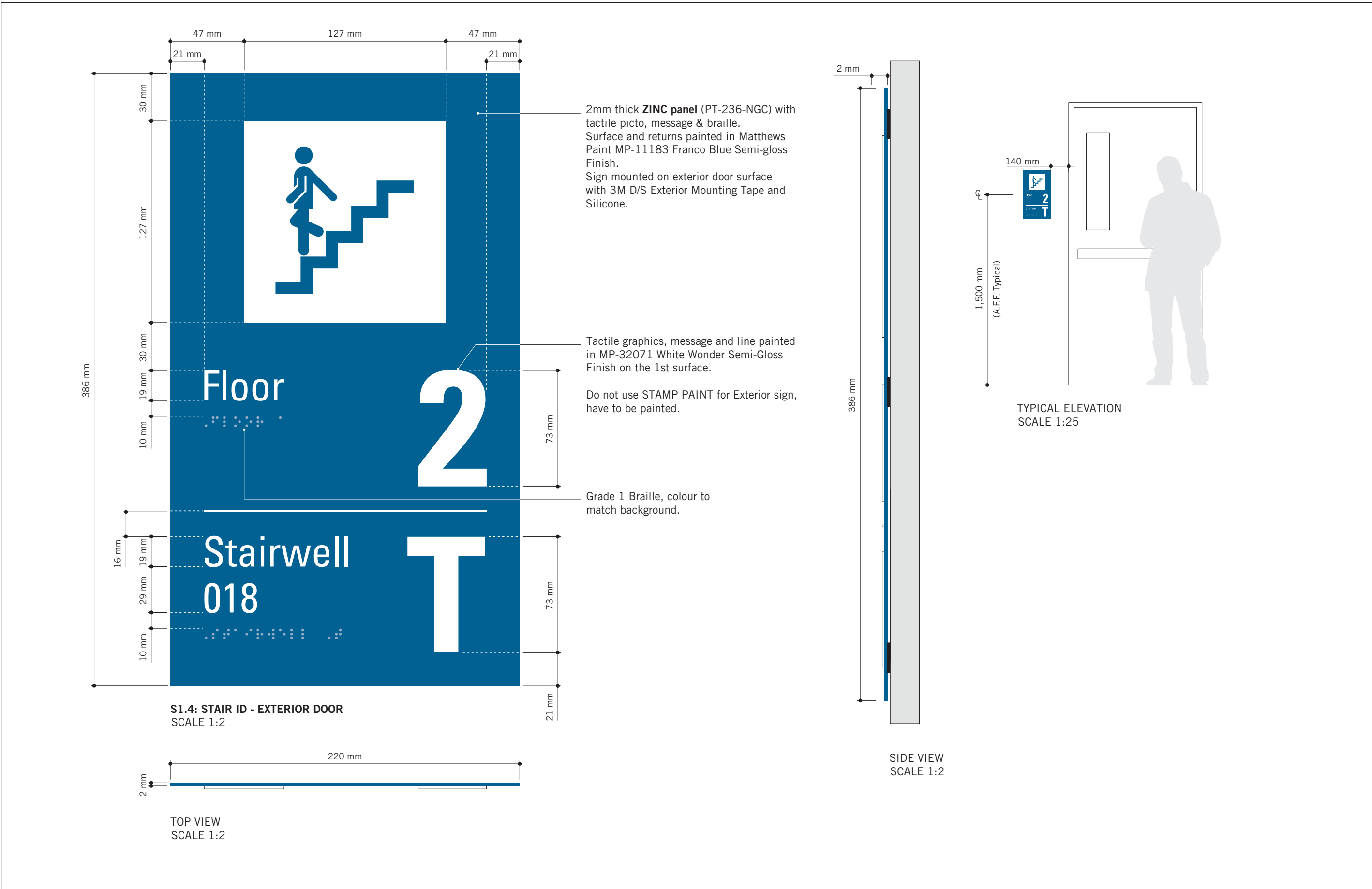
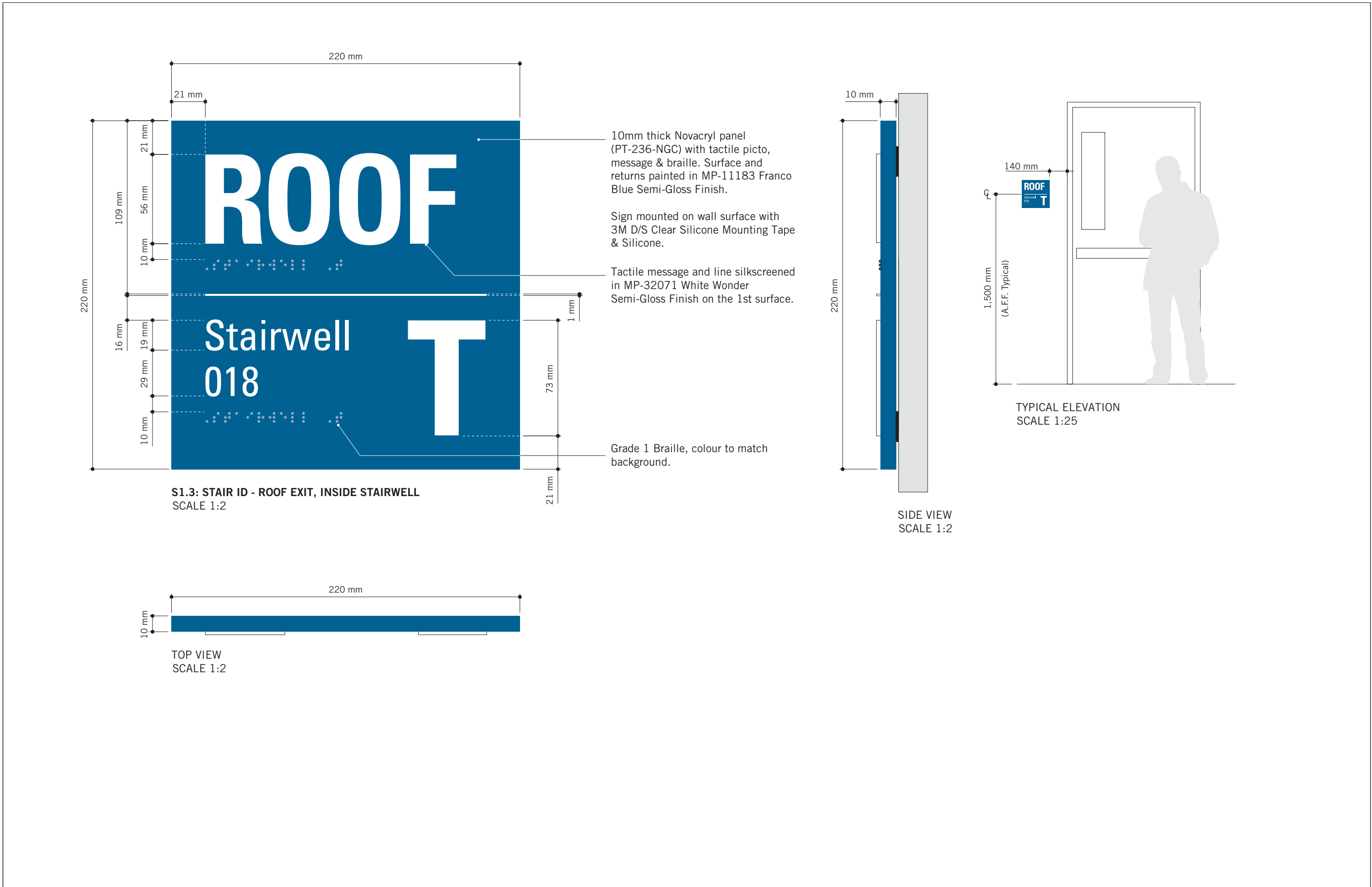
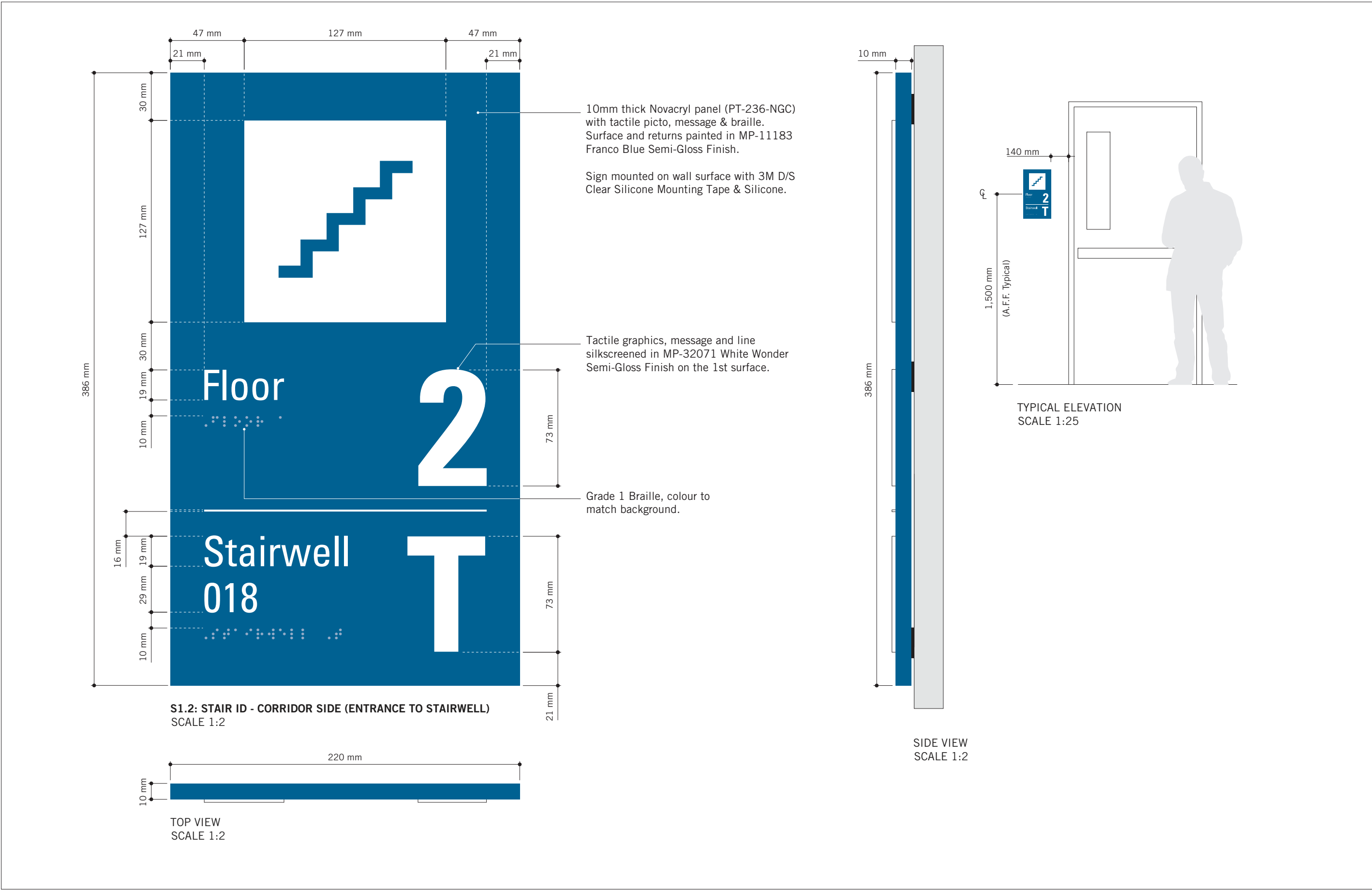
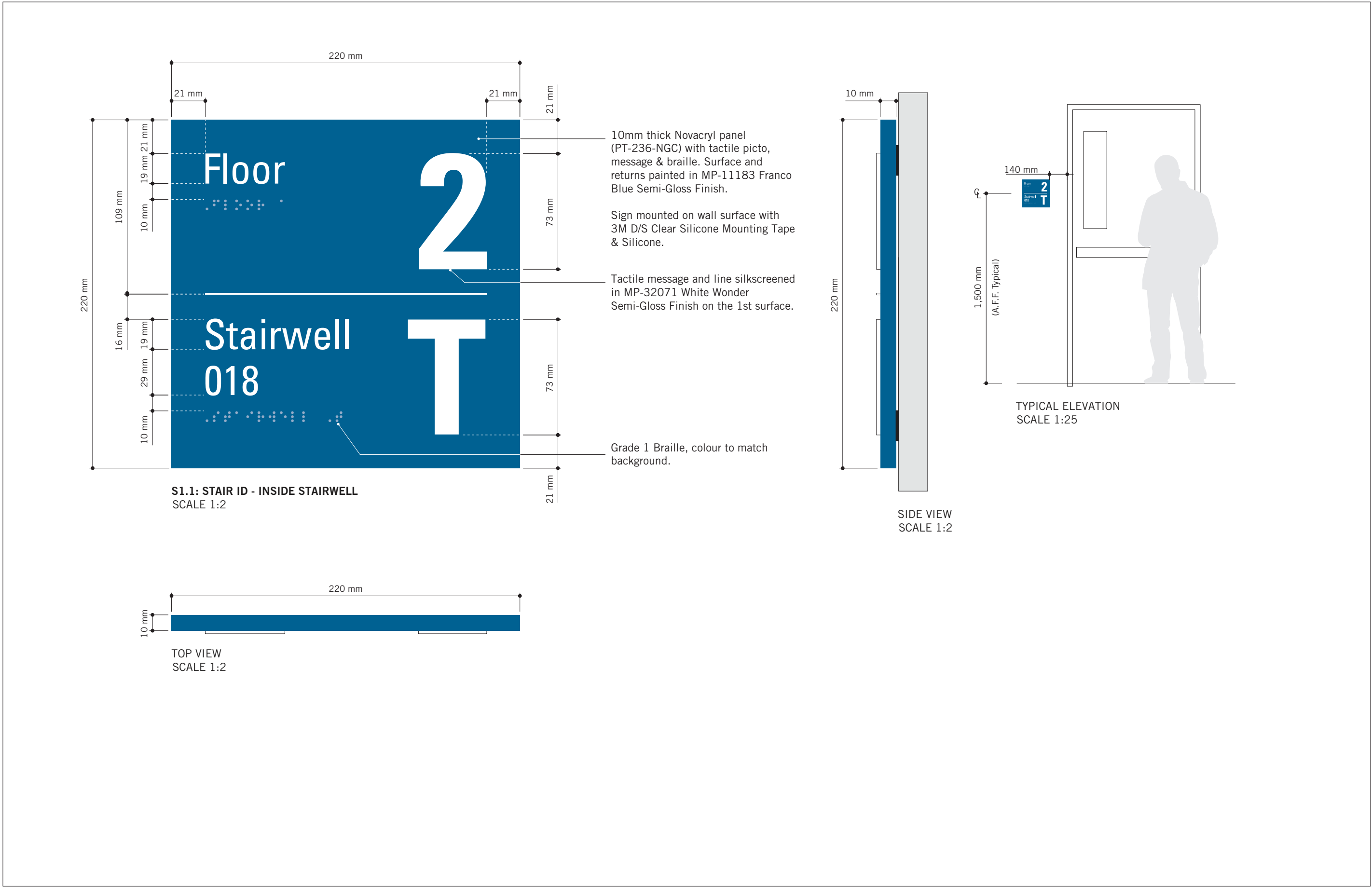
PROJECT ADDRESS
GROUP 29/14 BUILDINGS

PROJECT NO:
9119 – 19 – 0162 / IBI 122260

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

SHEET TITLE
**SIGNAGE & WAYFINDING
DETAILS
J4: ACCESSIBLE ENTRANCE**

SHEET NUMBER D1907	ISSUE B
------------------------------	-------------------



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ibi@ibi-group.com

PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS
GROUP 29/14 BUILDINGS

PROJECT NO:
91119 – 19 – 0162 / IBI 122260

DRAWN BY:
M.LOW

CHECKED BY:
C.D. SCHNOBB

PROJECT MGR:
R. DALY

APPROVED BY:

SHEET TITLE
SIGNAGE & WAYFINDING
DETAILS
S1: STAIR ID

SHEET NUMBER
D1908

ISSUE
B

CITY OF TORONTO

ACCESSIBILITY UPGRADES

TOUCH AND FEEL INDEX	
SHEET #	SHEET TITLE
T00	COVER PAGE
T01	WASHROOM
T02	WASHROOM ACCESSORIES
T02.1	WASHROOM ACCESSORIES
T03	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



CITY OF
TORONTO
ACCESSIBILITY
UPGRADES



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ibigroup.com

TOUCH AND FEEL

INTERIOR FIXTURES AND MATERIALS

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

Project Number: 9119- 19- 0162 / IBI 122260

Date: 2022-02-16

WASHROOM FINISHES	
WASHROOM / SHOWER WALLS	COLLECTION: COLOUR & DIMENSION
CWT-1	COLOUR: ARCTIC WHITE MATTE
	SIZE: 100mm X 400mm (4"X16")
	SUPPLIER: OLYMPIA
WASHROOM / SHOWER WALL ACCENT	MATCH EXISTING
CWT-2	TILE SIZE IS INDICATED ON ROOM FINISH SCHEDULE
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
	SIZE: 100mm X 400mm (4"X16")
	SUPPLIER: OLYMPIA
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

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 AND STAKEHOLDERS

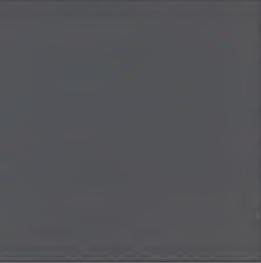
FOR WASHROOMS WHERE ALL FIXTURES AND WALLS ARE BEING REMOVED ONLY



CWT-1



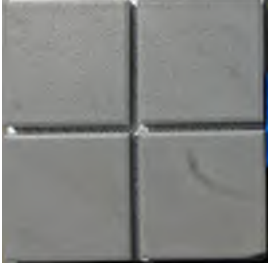
CWT-3



CWT-4



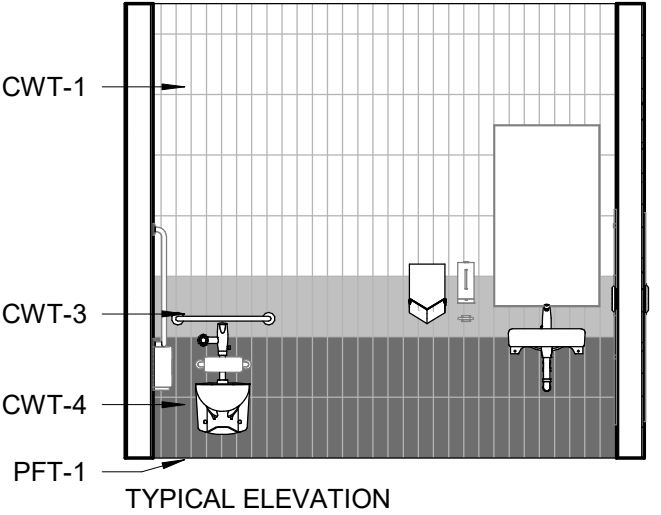
PFT-1



PFT-2



PFT-4





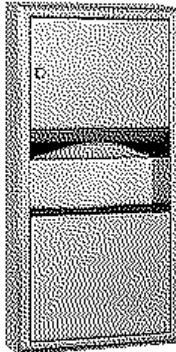


PICTURE 1




PICTURE 2


NOTE: PICTURES ARE ONLY FOR ILLUSTRATION PURPOSES

 SHELF: SHLF GAMCO MS-18 STAINLESS STEEL MIRROR SHELF – 18"	 SOAP DISH: SDI-1 RECESSED MOUNTED SOAP DISH, HEAVY DUTY STAIN FINISH STAINLESS STEEL. BRADLEY MODEL NO. SA16	 SOAP DISPENSER: SD-1 WALL MOUNTED, AUTOMATIC STAINLESS STEEL WITH STAIN FINISH, CLEAR ACRYLIC REFILL INDICATOR WINDOW AND KEY LOCK. BRADLEY 6A00-11.	 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)
	 SOAP DISH: SDI-2 SURFACE MOUNTED, STAINLESS STEEL, TYPE 304 FLANGE. BRADLEY MODEL NO. 901			
 COAT HOOK: CTH-1 B-983 STAINLESS STEEL, 14- GAUGE AUTO-RELEASE CLOTHES HOOK WITH EXPOSED STAIN FINISH, FACEPLATE WITH SLOPED EDGES.	 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	 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)
 COAT HOOK: CTH-2 B-2116 12-GAUGE (2.7mm) CASE HARDENED STEEL. ONE PIECE BRASS CASTING WITH SATIN NICKEL-PLATED FINISH				
 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			

			
<p>PAPER TOWEL DISPENSER & WASTE RECEPTACLE: PTD/WR (SR) <u>SEMI-RECESSED</u> B-38032: 18-8, TYPE 304, HEAVY-GAUGE STAINLESS STEEL. ALL-WELDED CONSTRUCTION.</p>	<p>PAPER TOWEL DISPENSER AND WASTE RECEPTACLE: PTD/WR (R) <u>RECESSED CONVERTIBLE</u> B-3940: 18-8, TYPE 304, HEAVY-GAUGE STAINLESS STEEL. EXPOSED SURFACES HAVE STAIN-FINISH.</p>	<p>PAPER TOWEL DISPENSER AND WASTE RECEPTACLE: PTD/WR (S) <u>SURFACE-MOUNTED</u> B-3699: 18-8, TYPE 304, 22-GAUGE (0.8mm) STAINLESS STEEL. ALL-WELDED CONSTRUCTION. EXPOSED SURFACES HAVE STAIN-FINISH.</p>	
			
<p>PAPER TOWEL DISPENSER: PTD (S) <u>SURFACE MOUNTED</u> B-2974: TYPE 304, 18 GUAGE STAINLESS STEEL. ALL-WELDED CONSTRUCTION.</p>	<p>PAPER TOWEL DISPENSER: PTD (R) <u>RECESSED</u> B-35903: TYPE 304, HEAVY-GAUGE STAINLESS STEEL. ALL-WELDED CONSTRUCTION. EXPOSED SURFACES HAVE STAIN-FINISH.</p>		



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DRAWING TITLE:

WASHROOM ACCESSORIES

Project No: 9119- 19- 0162 / IBI 122260

Date: 2022-02-16

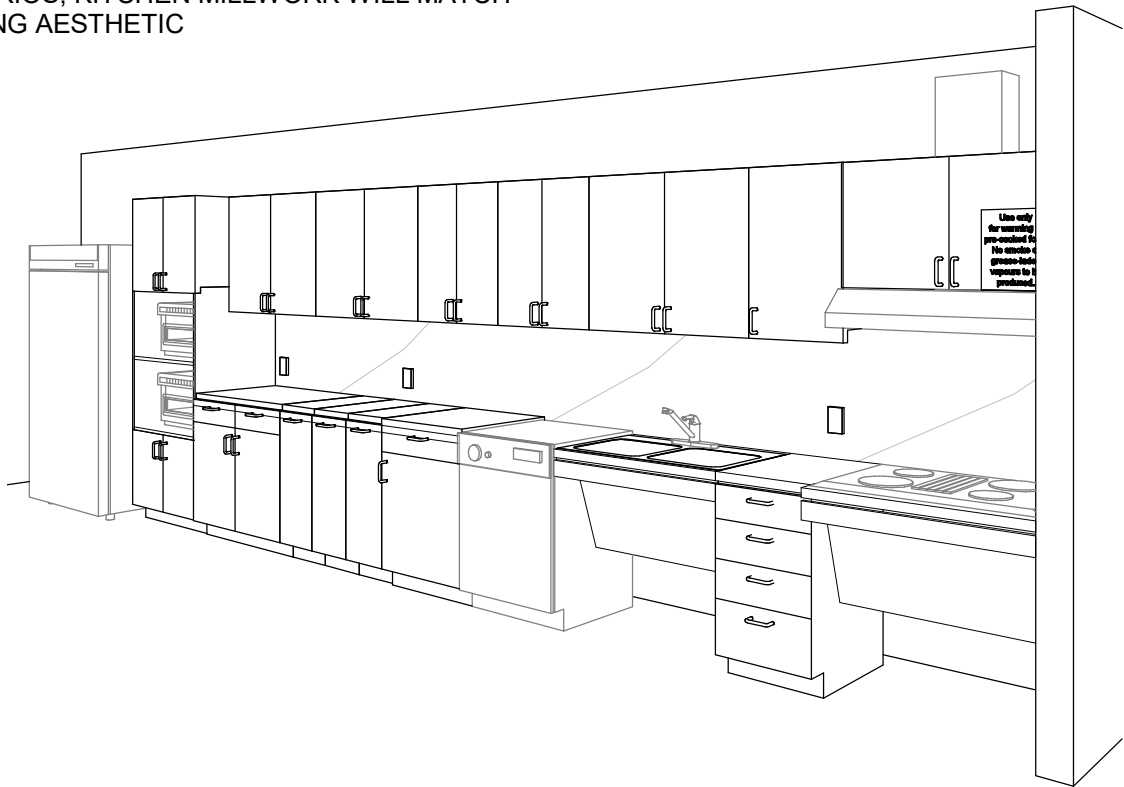
Issue: ISSUED FOR TENDER

NO.

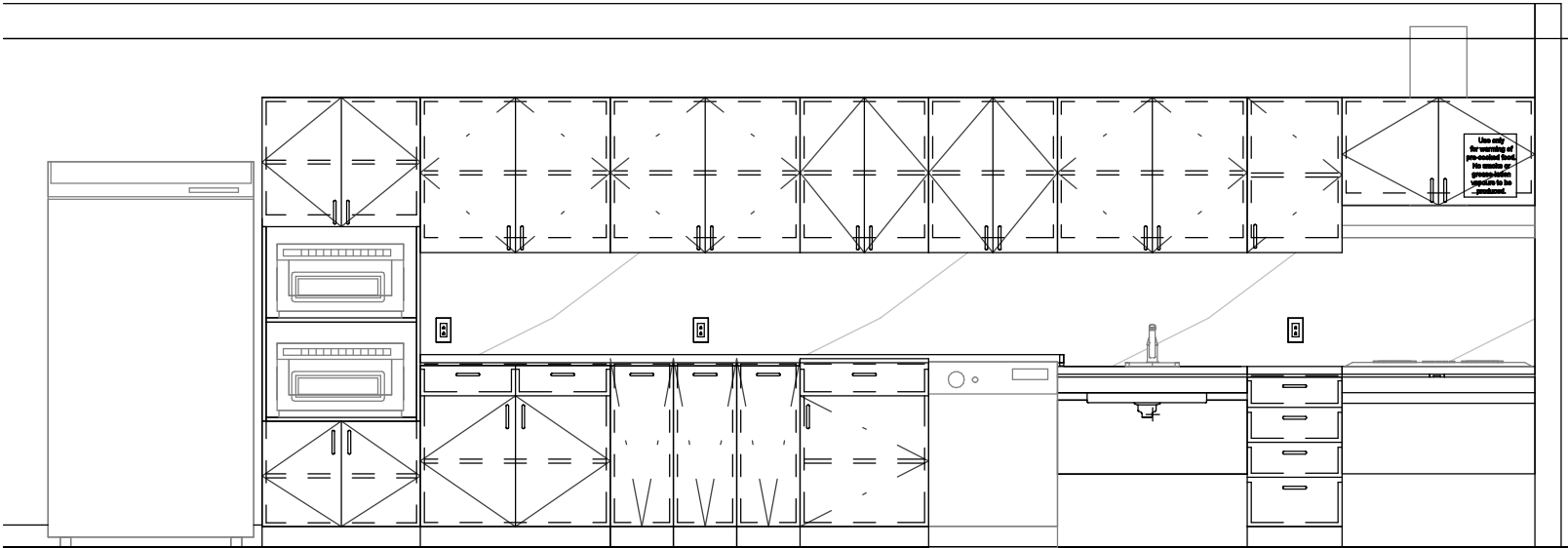
T02.1

							
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: 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 <u>WALL HUNG</u> - 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.			
<div><div><div>IBI</div></div><div>IBI GROUP 175 Galaxy Blvd, Unit 100 Toronto, ON M9W 0C9, Canada tel 416 679 1930 fax 416 675 4620 ibigroup.com</div></div>		<div><div><div><div>Toronto</div></div></div><div>CITY OF TORONTO ACCESSIBILITY UPGRADES CITY OF TORONTO ACCESSIBILITY UPGRADES</div></div>		<div>DRAWING TITLE: WASHROOM FIXTURES & DRINKING FOUNTAIN</div>		<div>Project No: 9119- 19- 0162 / IBI 122260</div> <div>Date: 2022-02-16</div> <div>Issue: ISSUED FOR TENDER</div>	<div>NO.</div> <div>T03</div>

ONLY WHEN ENTIRE KITCHEN MILLWORK IS TO BE REMOVED (UPPER AND LOWERS) ALL OTHER SCENARIOS, KITCHEN MILLWORK WILL MATCH EXISTING AESTHETIC

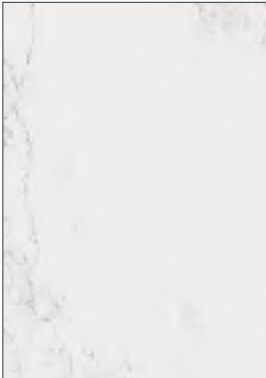


PERSPECTIVE: N.T.S

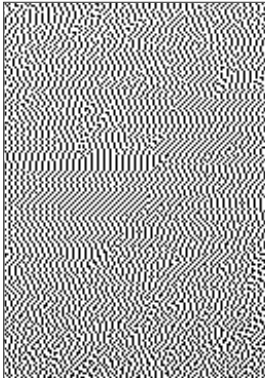


ELEVATION: N.T.S

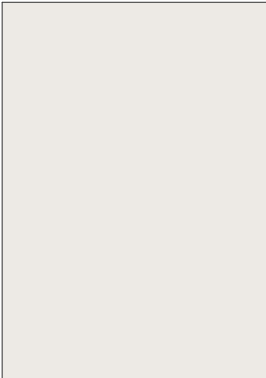
PERSPECTIVE & ELEVATION VIEWS ARE REPRESENTATIVE ONLY - REFER TO BUILDING-SPECIFIC DRAWINGS



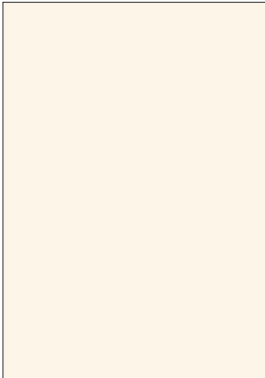
COUNTERTOP AND BACKSPLASH: Q-1
CAESARSTONE - QUARTZ
SUPERNATURAL COLLECTION
1111 VIVID WHITE



CABINETS: PLAM-1
PLASTIC LAMINATE
WILSONART NORTH
SEA D90



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



UPPER CABINETS: PLAM-2
PLASTIC LAMINATE
WILSONART
ALABASTER D431



S1
FAUCET:
AMERICAN STANDARD NO.
7074100.00
SINK:
UCS6105P-1 SINGLE BOWL



S2
FAUCET:
AMERICAN STANDARD NO.
7074100.00
SINK:
FRANKE COMMERCIAL
UCD6405P



S3
FAUCET:
MOEN ALIGN WITH
MOTIONSENSE NO. 7565EC
SINK:
UCS6105P-1 SINGLE BOWL



S4
FAUCET:
MOEN ALIGN WITH
MOTIONSENSE NO. 7565EC
SINK:
FRANKE COMMERCIAL
UCD6405P



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DRAWING TITLE:

KITCHEN MATERIALS AND FIXTURES

Project No: 9119- 19- 0162 / IBI 122260

Date: 2022-02-16

Issue: ISSUED FOR TENDER

NO.

T04

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RESERVED

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DRAWING TITLE:

RESERVED

Project No: 9119- 19- 0162 / IBI 122260

Date: 2022-02-16

Issue: ISSUED FOR TENDER

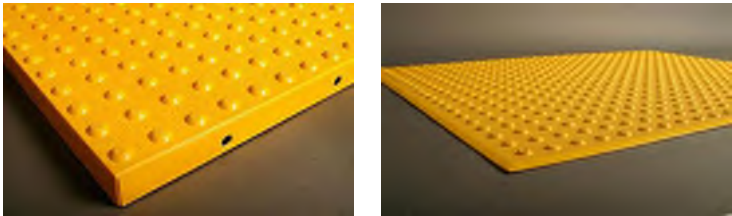
NO.

T05



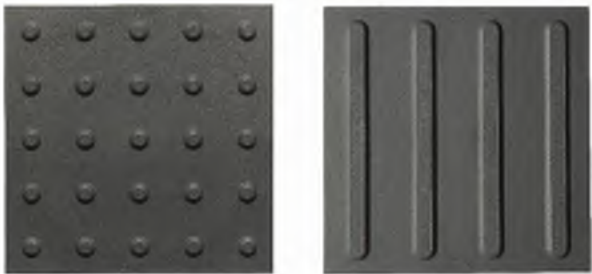
TA - 1a (SURFACE MOUNTED) INTERIOR AND EXTERIOR
TA - 1b (CAST IN PLACE) EXTERIOR
TA - 1c (SURFACE MOUNTED FIRE RATED) INTERIOR

- 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



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

- ENGINEERED POLYMER COMPOSITE TACTILE INDICATORS
- EXTERIOR APPLICATIONS
 - FOR NEWLY CONSTRUCTED CURBS RAMPS, STAIRS, RAMPS, OR PLATFORM EDGES



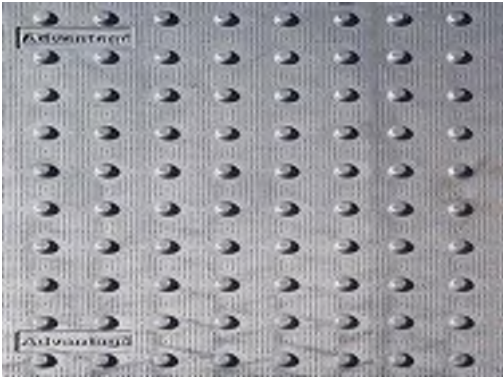
TA - 3

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



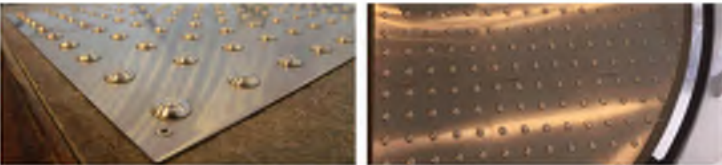
TA - 4

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



TA - 5

- CAST IRON CAST IN PLACE TACTILE INDICATORS
- EXTERIOR APPLICATION
 - HIGHLY DURABLE
 - FOR NEW CONSTRUCTION HIGH TRAFFIC AREAS



TA - 6

- INDIVIDUAL STAINLESS STEEL PLATE TACTILE INDICATORS
- INTERIOR OR EXTERIOR APPLICATIONS
 - FOR HIGH PROFILE ARCHITECTURAL SPACES WHERE AESTHETICS ARE IMPORTANT



TA - 7

- 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



TA - 8

- 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



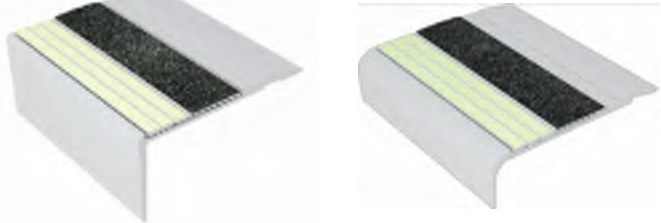
TA - 11 INTERIOR AND EXTERIOR
TEXTURAL WARNING STRIP

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



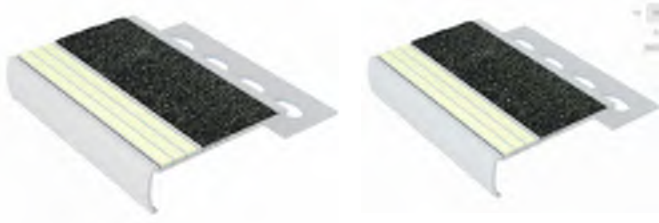
TA - 12 EXTERIOR CAST IN PLACE
CONTRAST AND TEXTURAL WARNING STRIP

- DESIGNED FOR INSTALLATION ON STEP EDGES WHEN CONCRETE IS POURED.
- INSTALLED IN WET-SET CONCRETE.
- SIZES: 50.8MM X 76.2MM WIDE
- REFER TO DRAWINGS FOR REQUIRED LENGTH AND WIDTH



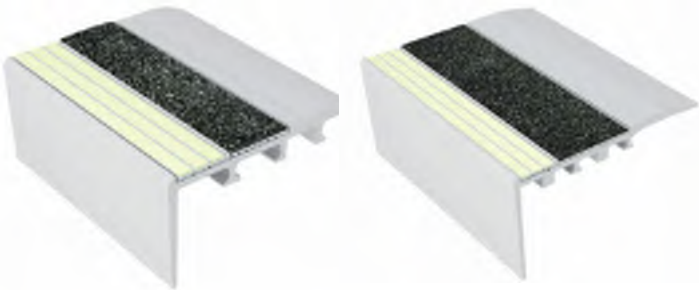
TA - 16 INTERIOR AND EXTERIOR USE (ON
EXISTING) ON SMOOTH SURFACES
STAIR NOSING FOR:
TILE, CONC, WOOD, CARPET, VINYL.

- 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



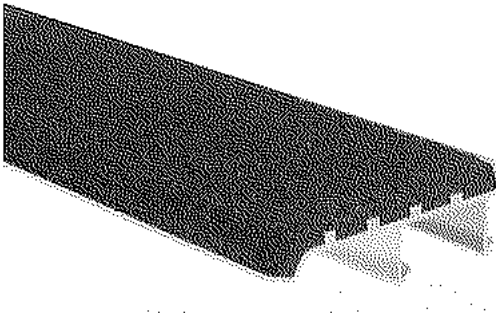
TA - 17 INTERIOR USE ON NEW TILED
SURFACES. STAIR NOSING.

- 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



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

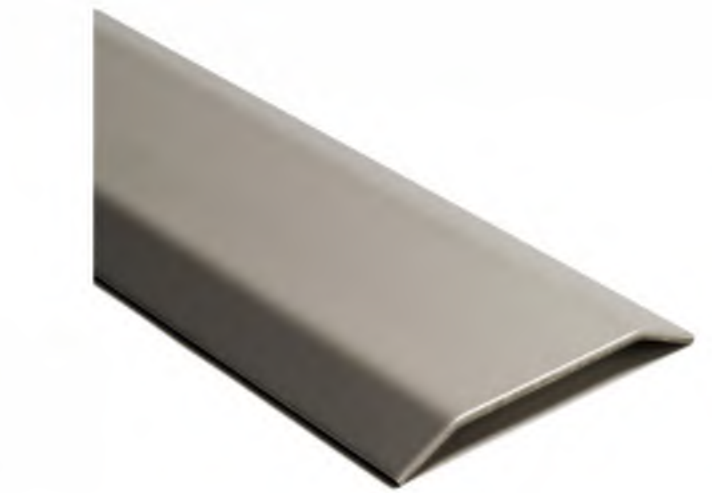


TA - 20 INDOOR AND OUTDOOR USE ON NEW
POURED CONCRETE STAIR NOSING.

- 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.

TH-1a

SMOOTH 6" WIDE THRESHOLD WITH ANTI-SLIP COATING



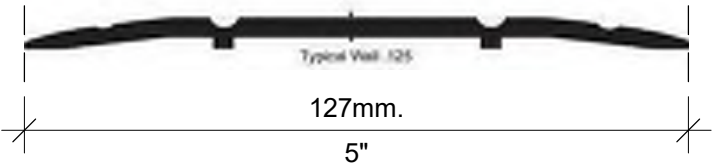
TH-2a

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

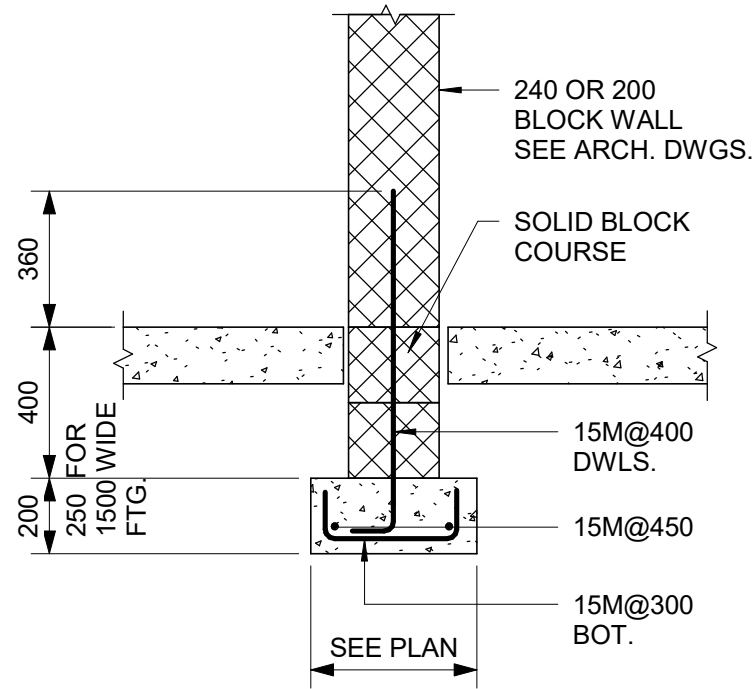
ANODIZED ALUMINUM TRANSITION STRIP
BETWEEN NEW AND EXISTING FLOOR



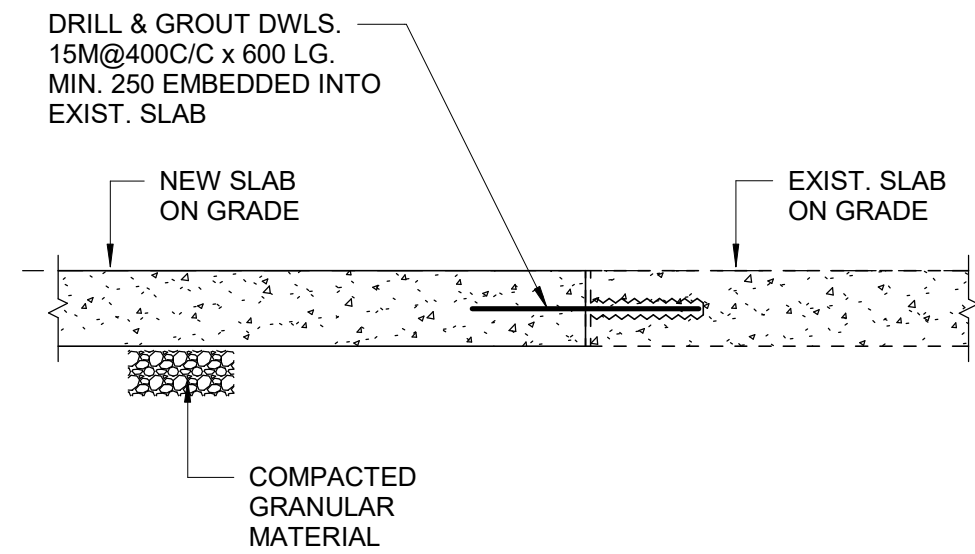
TH-5a

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

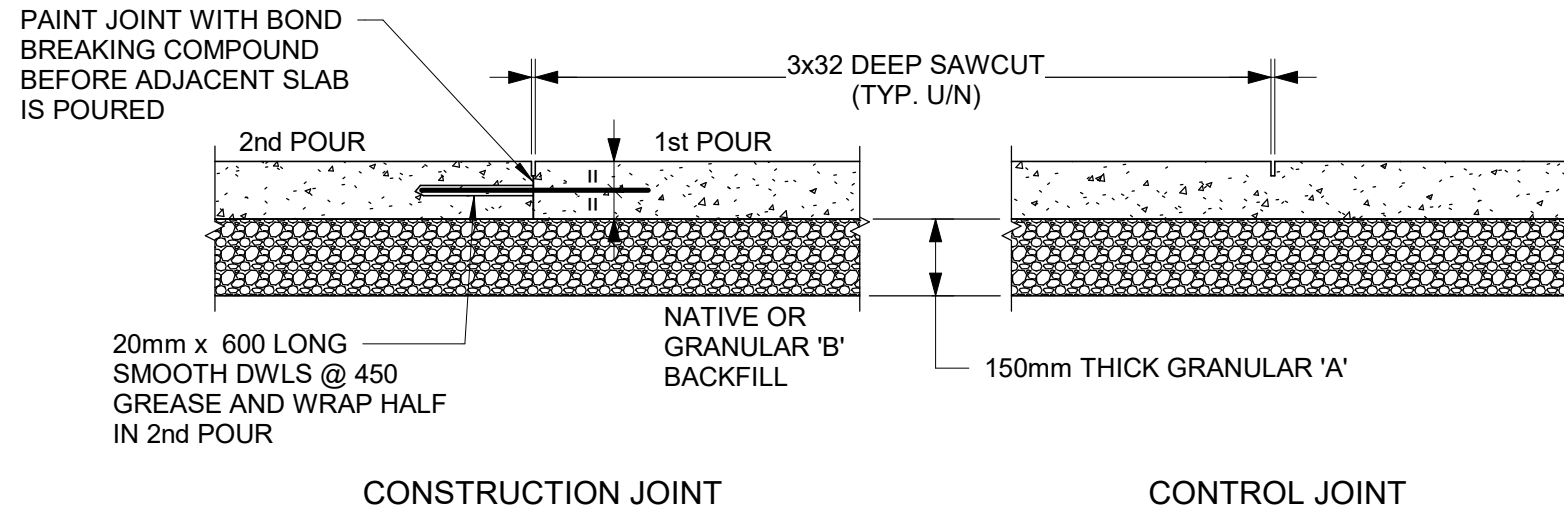




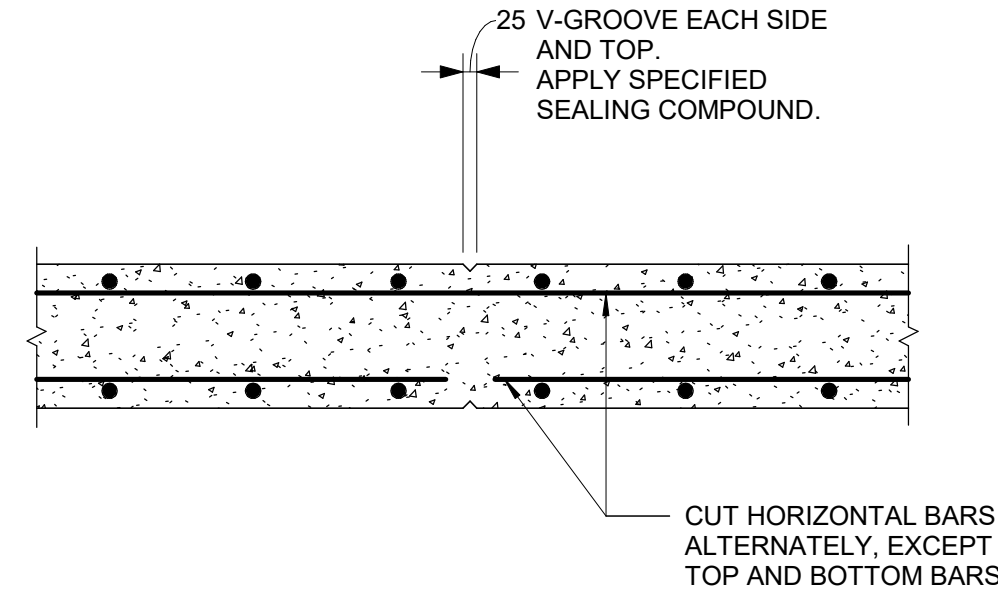
1 INTERIOR FOUNDATION WALL
D2100 Scale: NTS



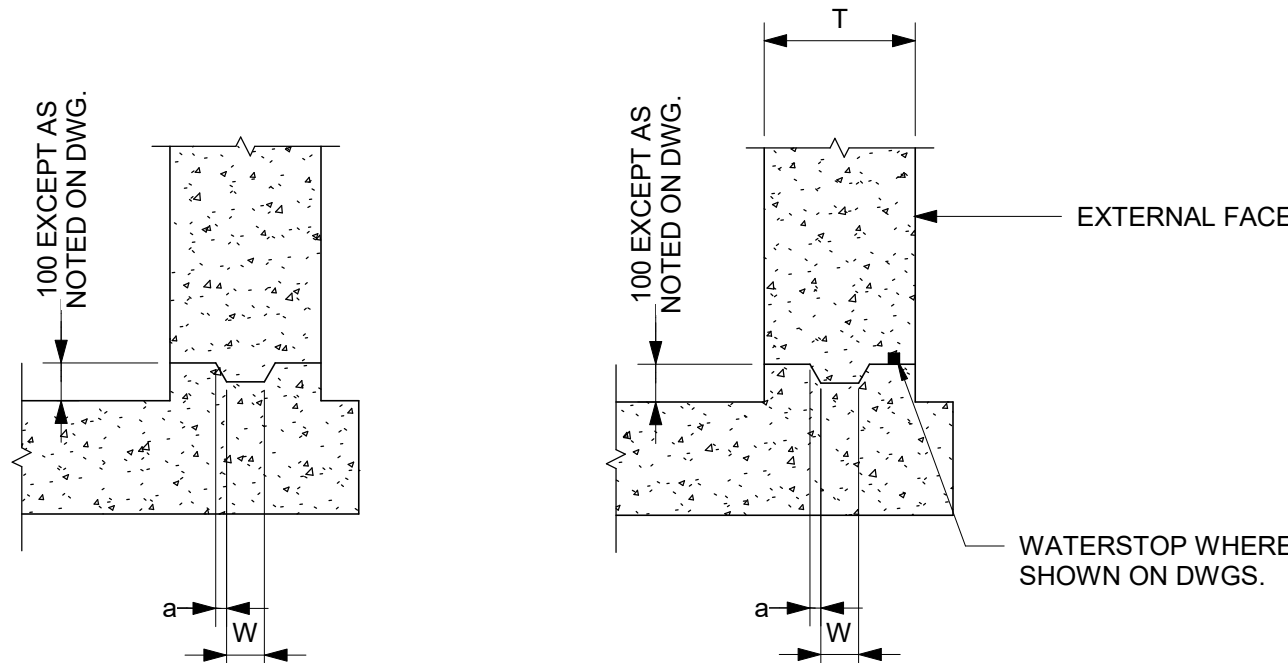
2 NEW SLAB CONNECTION TO EXISTING SLAB
D2100 Scale: NTS



3 SLAB ON GRADE
D2100 Scale: NTS



4 RETAINING WALL CONTROL JOINT
D2100 Scale: 1 : 20

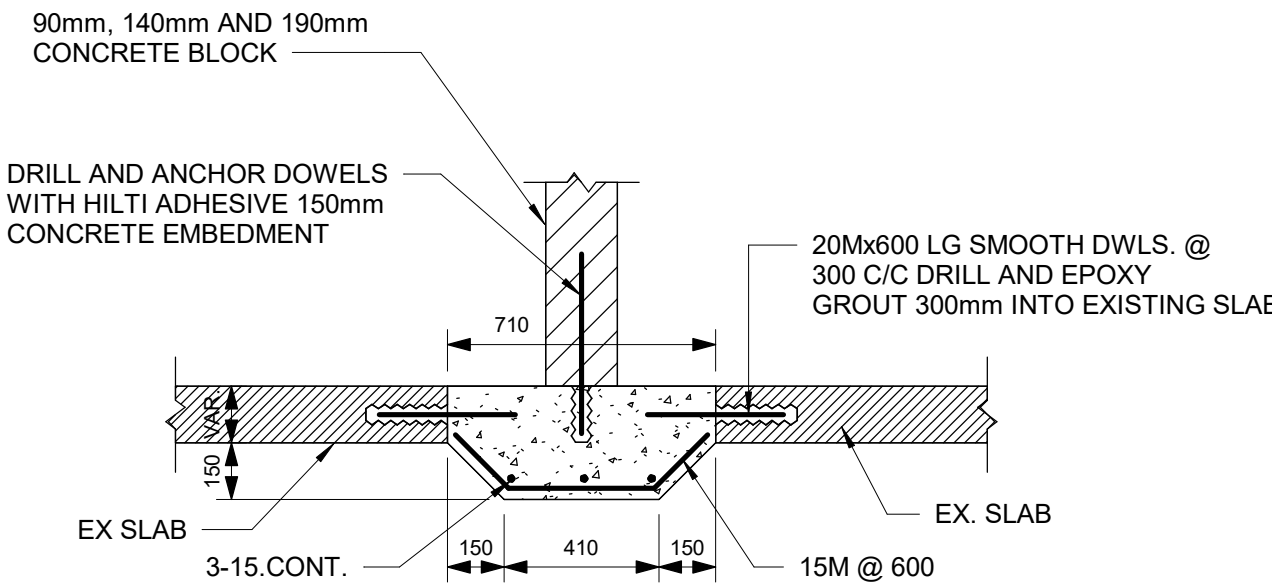


TYPE 1

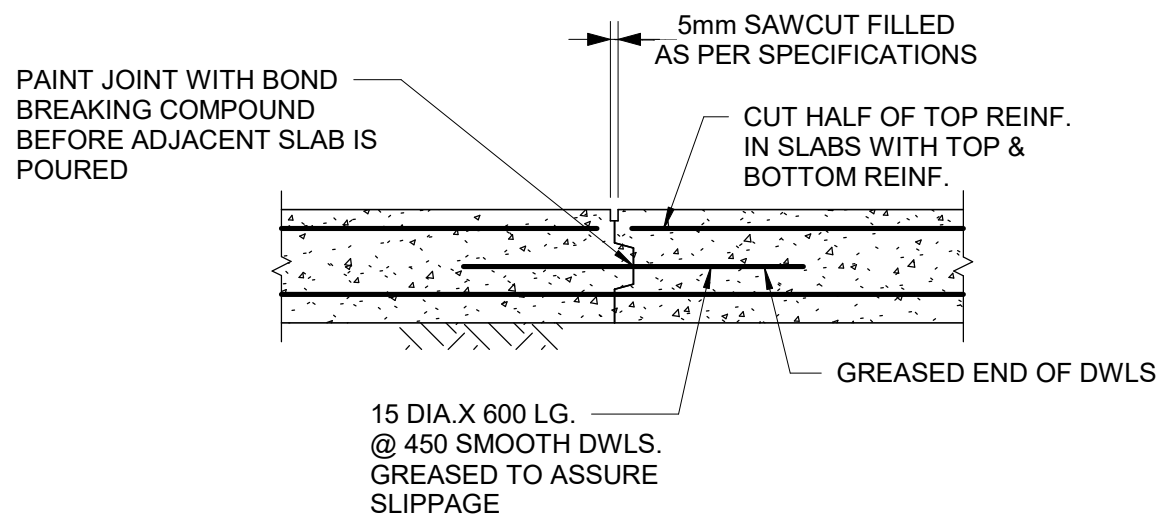
TYPE 1WS

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

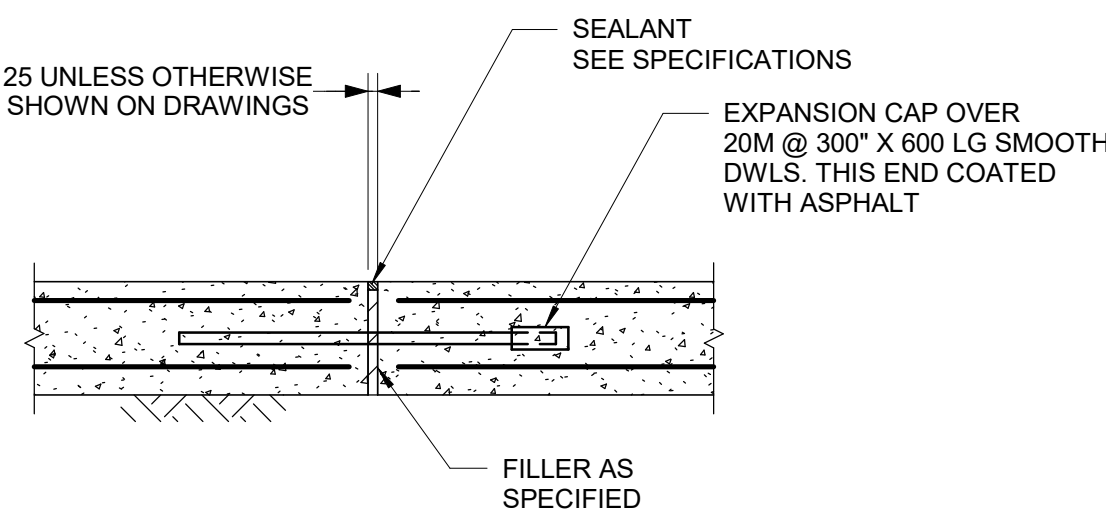
5 TYPICAL CONSTRUCTION JOINT AT EXTERIOR WALL
D2100 Scale: 1 : 20



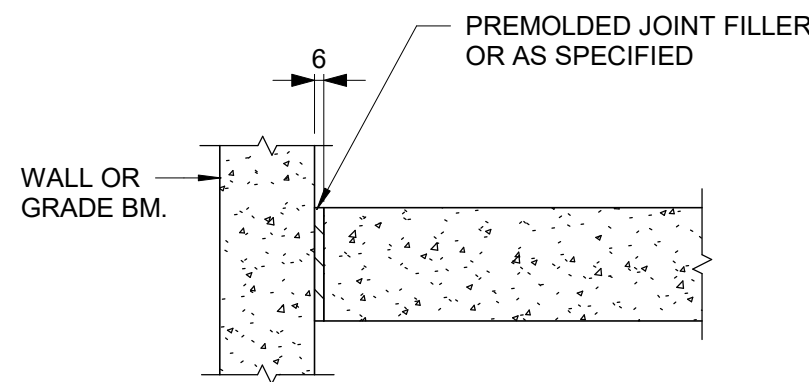
6 BLOCK SLAB - THICKENING AT EXISTING SLAB
D2100 Scale: 1 : 20



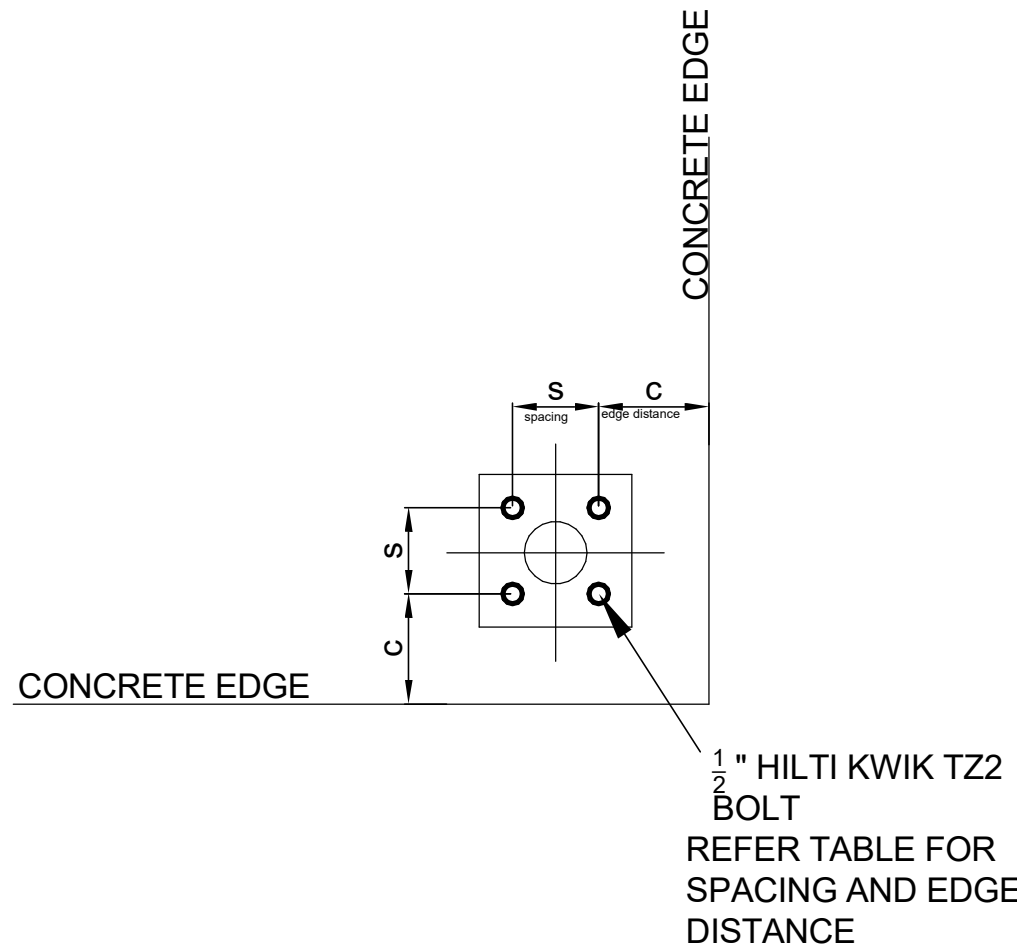
CONTROL JOINT



EXPANSION JOINTS



ISOLATION JOINT



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

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

7 FLOOR JOINTS
D2100 Scale: 1 : 20

ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-10-05
B	90% SUBMISSION	2021-12-17
C	PERMIT SUBMISSION	2021-12-17
D	ISSUED FOR TENDER	2022-02-16

4 RETAINING WALL CONTROL JOINT

CONSULTANTS

SEAL

PRIME CONSULTANT
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175 Galaxy Blvd, Unit 100
Toronto, ON M9W 0C9, Canada
tel 416 679 1930 fax 416 675 4620
ibigroup.com

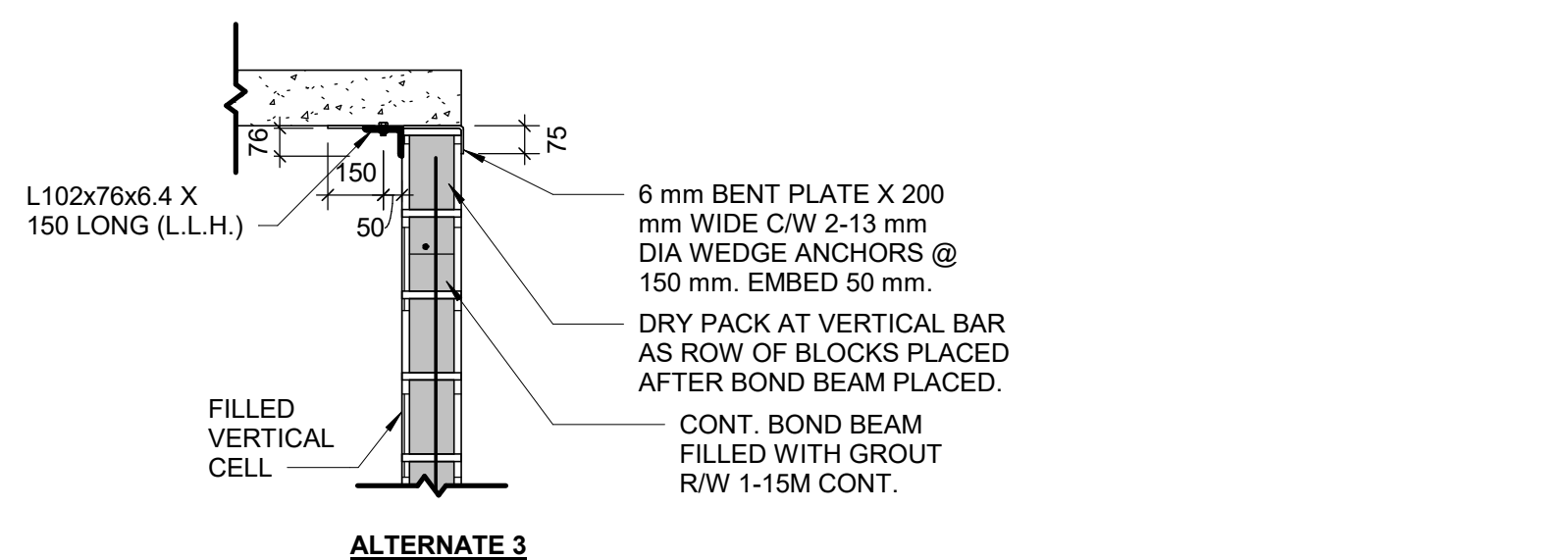
PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

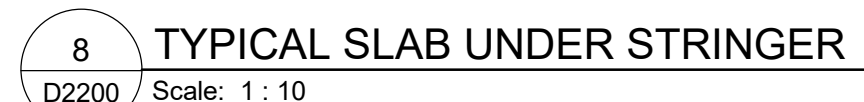
PROJECT NO:
9119-19-0162 / IBI 122260
DRAWN BY:
L.CHATZIGIANNAKOS
CHECKED BY:
M. FAYAZI
PROJECT MGR:
L. SOSA
APPROVED BY:
K. ANGER

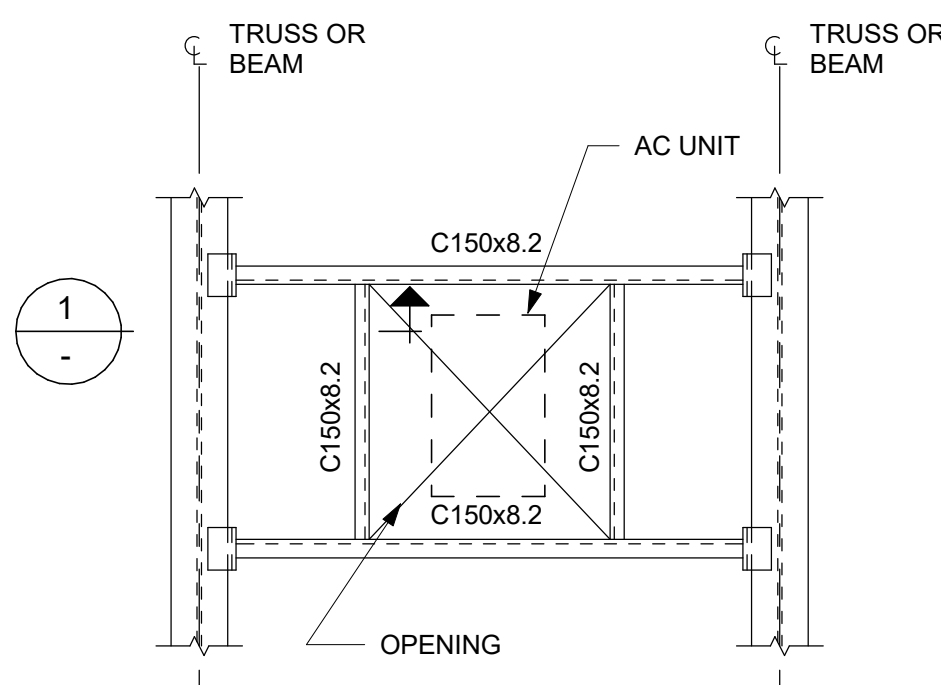
SHEET TITLE
**CONCRETE TYPICAL
DETAILS**

SHEET NUMBER
G14-031-D2100
ISSUE
D

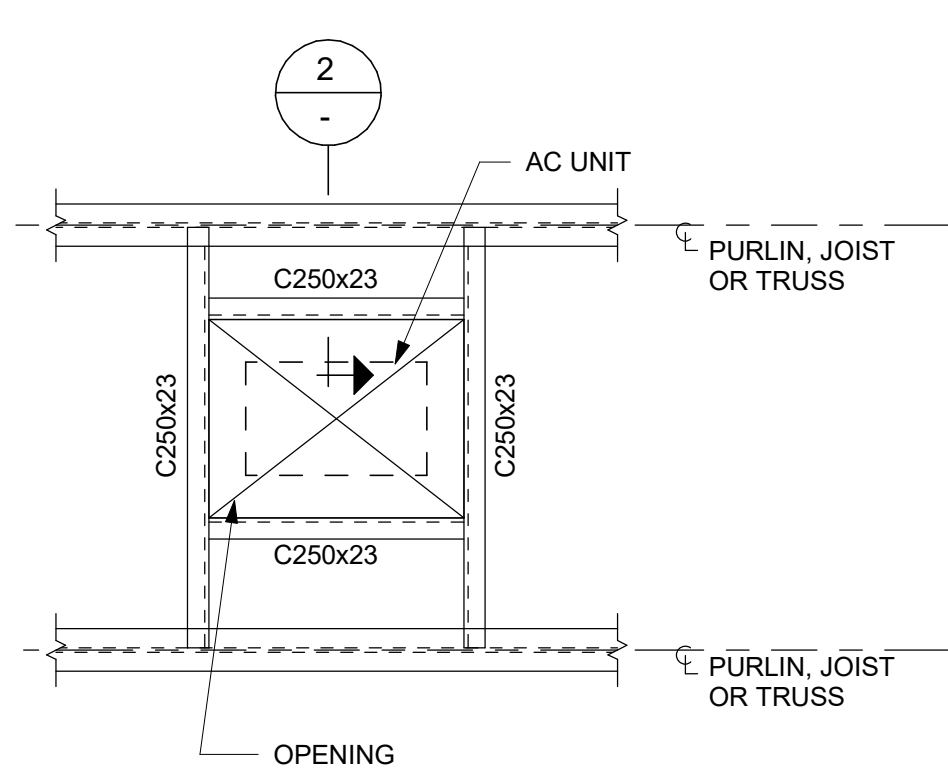


7 SUPPORT DETAIL AT TOP OF BLOCK WALL
D2200 Scale: 1 : 20

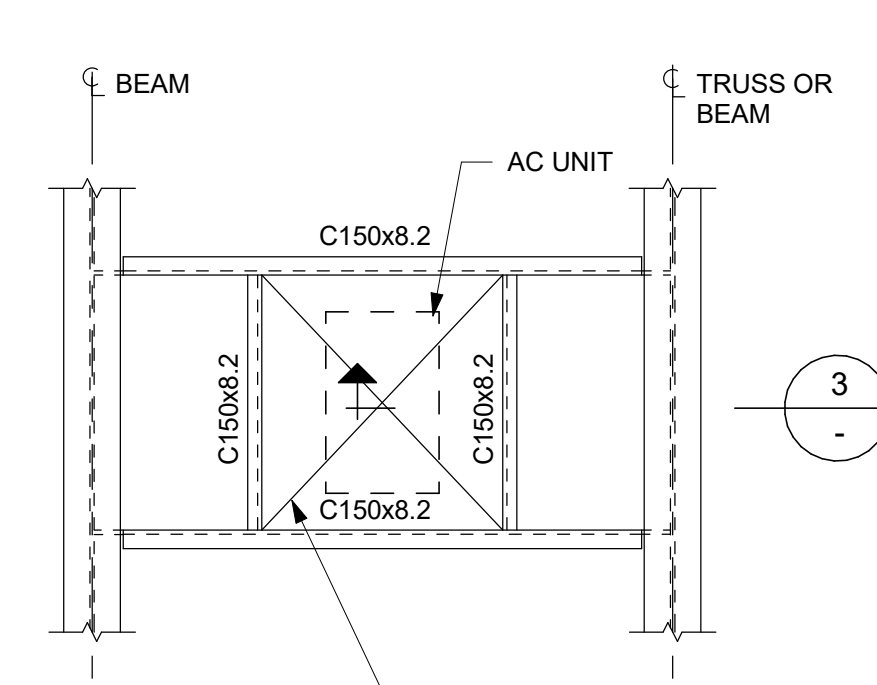




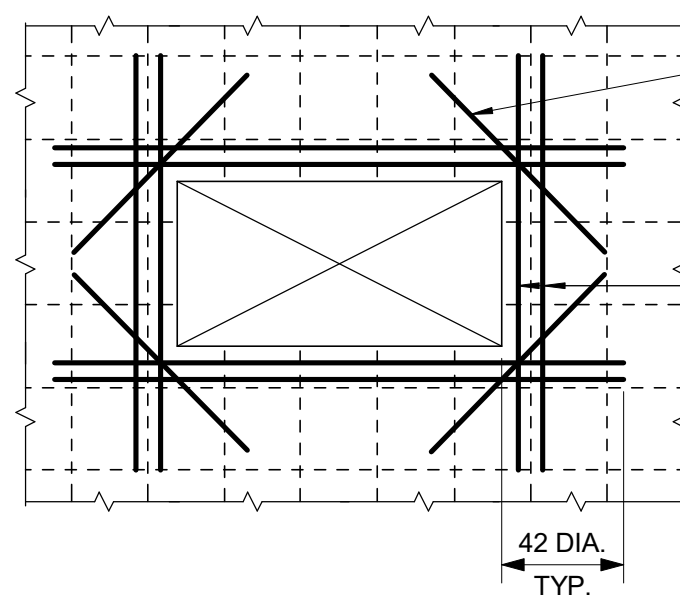
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FRAME TYPE "B"



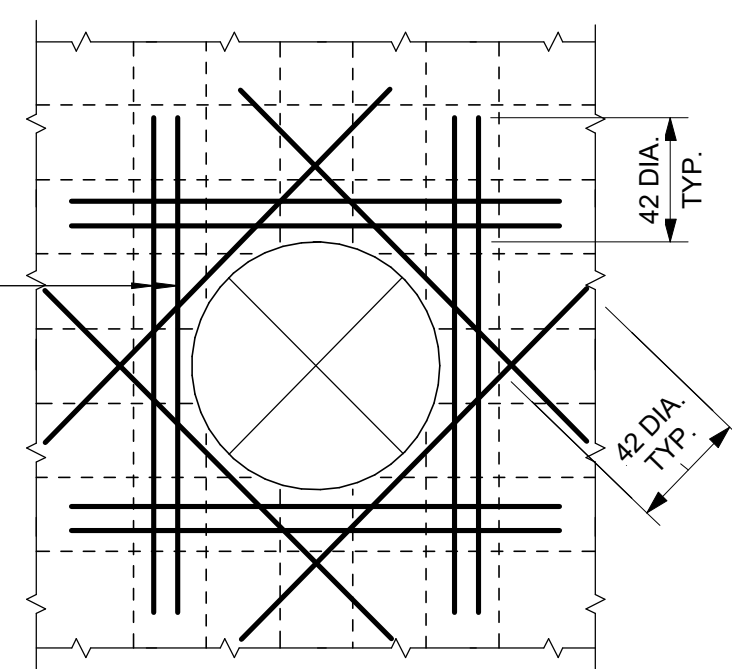
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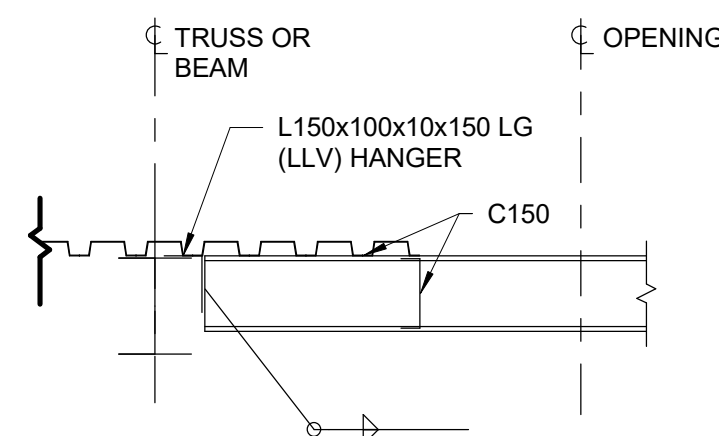
RECTANGULAR OPENING

NOTES:

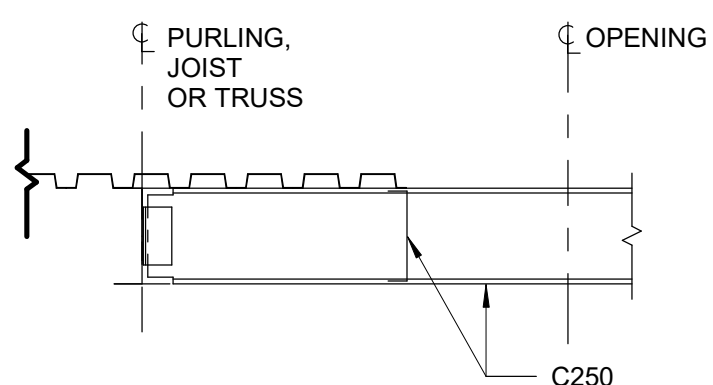
1. UNLESS NOTED OTHERWISE ON PLANS AND SECTION, REINFORCE AROUND OPENINGS AS SHOWN.
2. DO NOT MAKE OPENINGS LARGER THAN THE MAXIMUM DIMENSIONS NOTED BELOW WITHOUT PRIOR REVIEW FROM THE ENGINEER OF RECORD, UNLESS NOTED ON STRUCTURAL DRAWINGS.
3. MAXIMUM SLAB OPENING SIZE IS 2500mm SQUARE OR ROUND U/N ON DRAWINGS. THIS DETAIL APPLIES FOR OPENINGS WITH A DIMENSION GREATER THAN 150mm.
4. THIS DETAIL ALSO APPLIES AT PIPE OPENINGS.



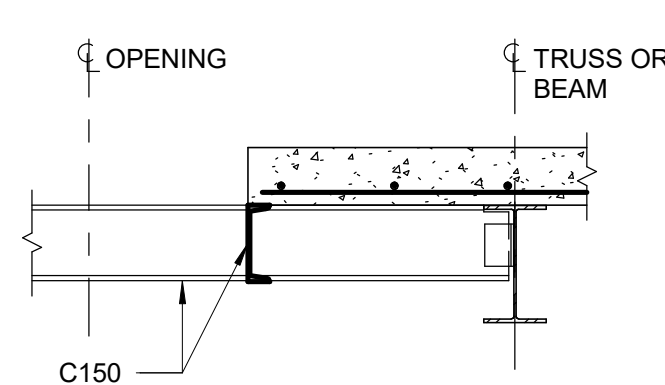
CIRCULAR OPENING



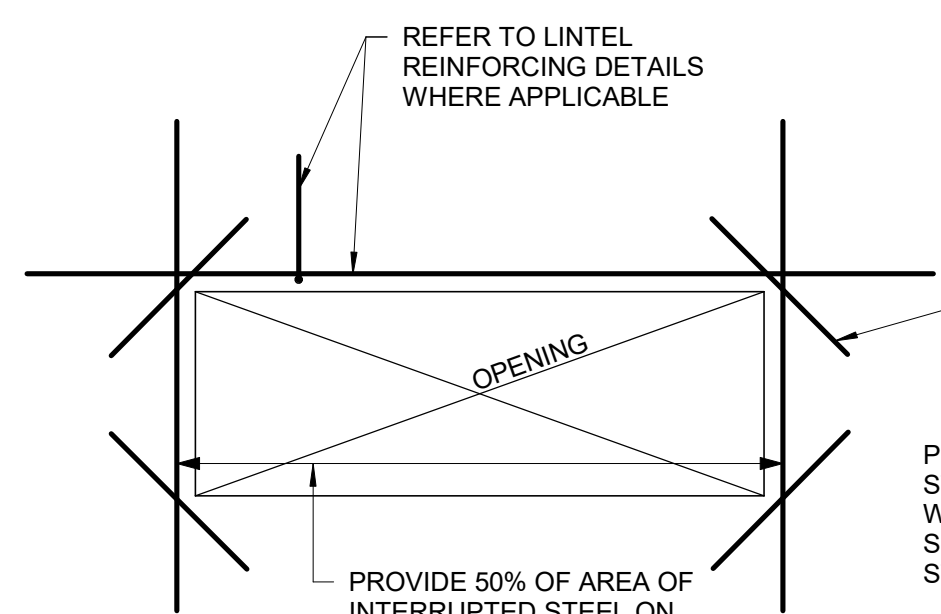
1 TYPICAL ROOF OPENING
D2201 Scale: 1 : 20



2

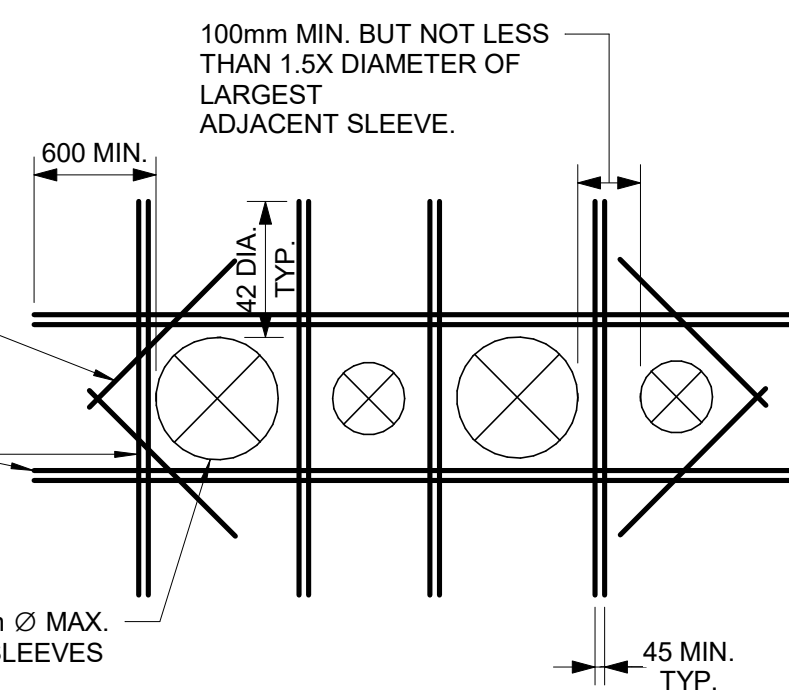


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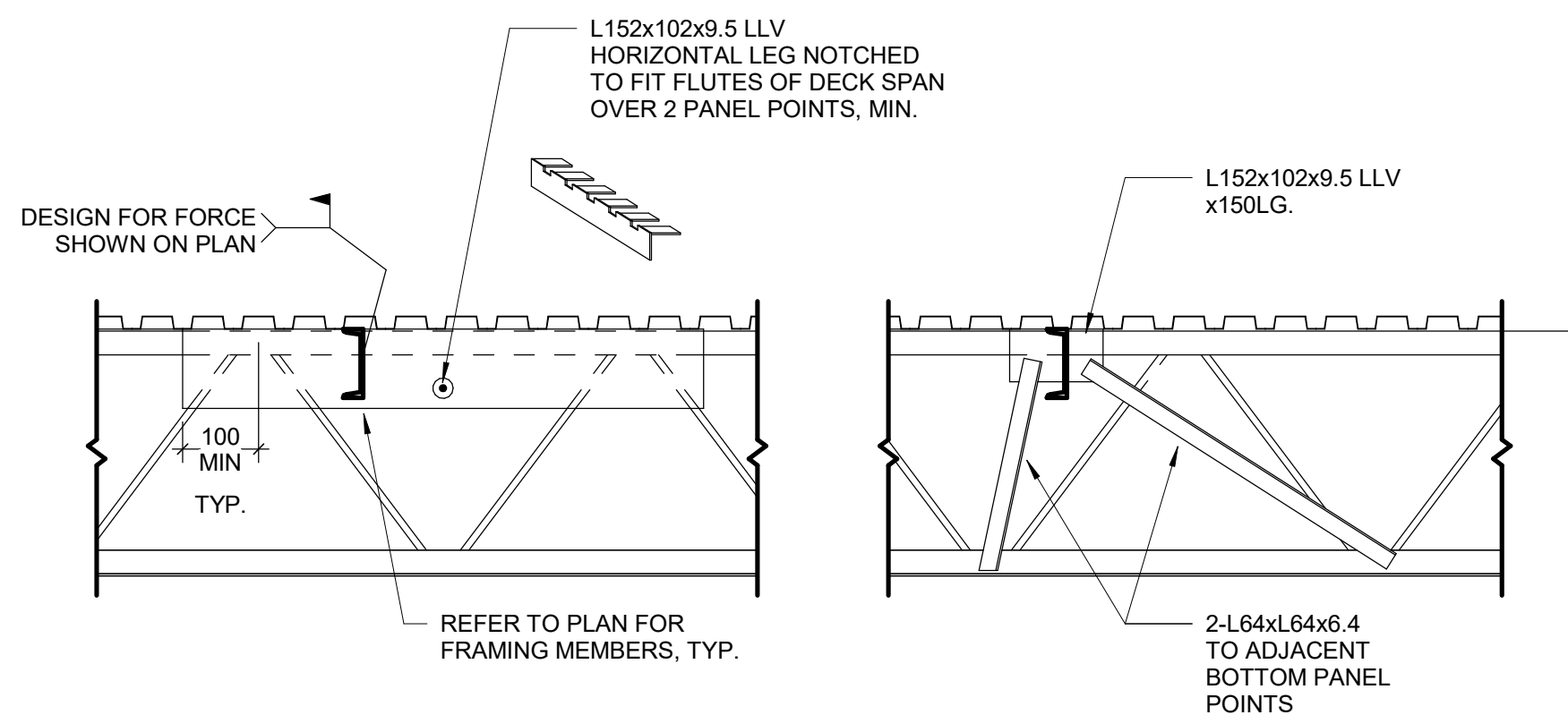


LINTEL REINFORCING
(FOR DOOR/LOUVRE OPENINGS W/ SPAN > 2500mm)

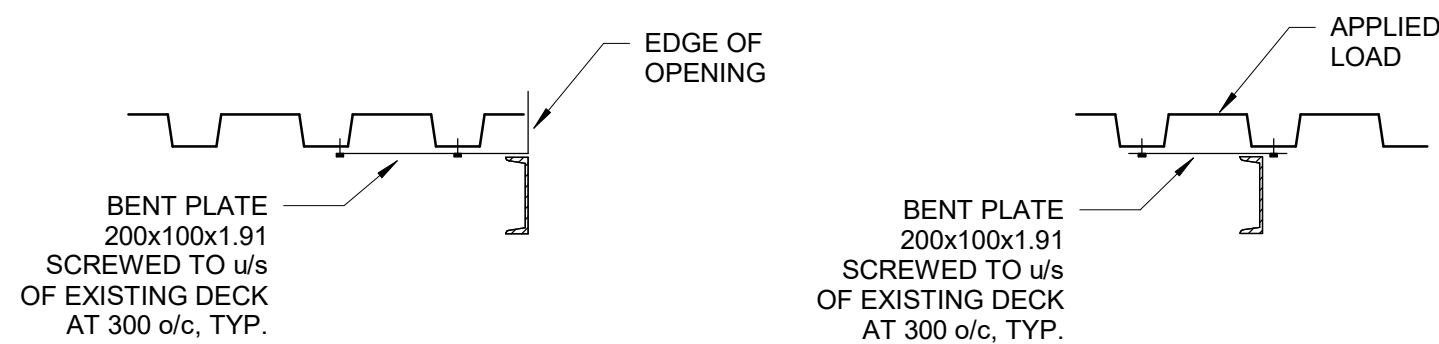
* UNLESS OTHERWISE DETAILED ON PLANS OR SECTIONS



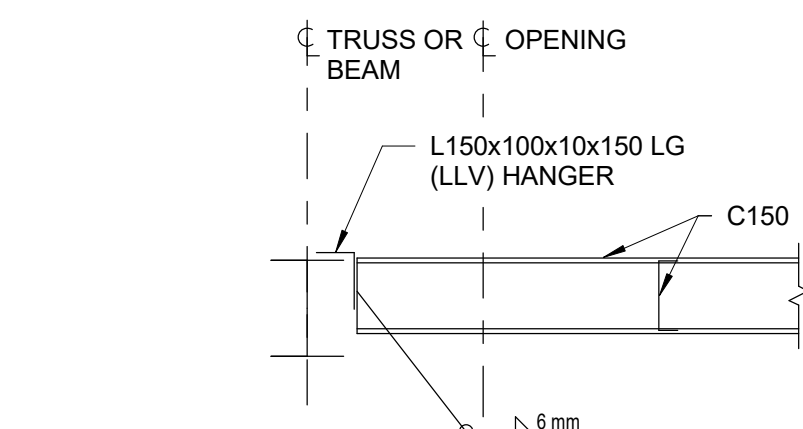
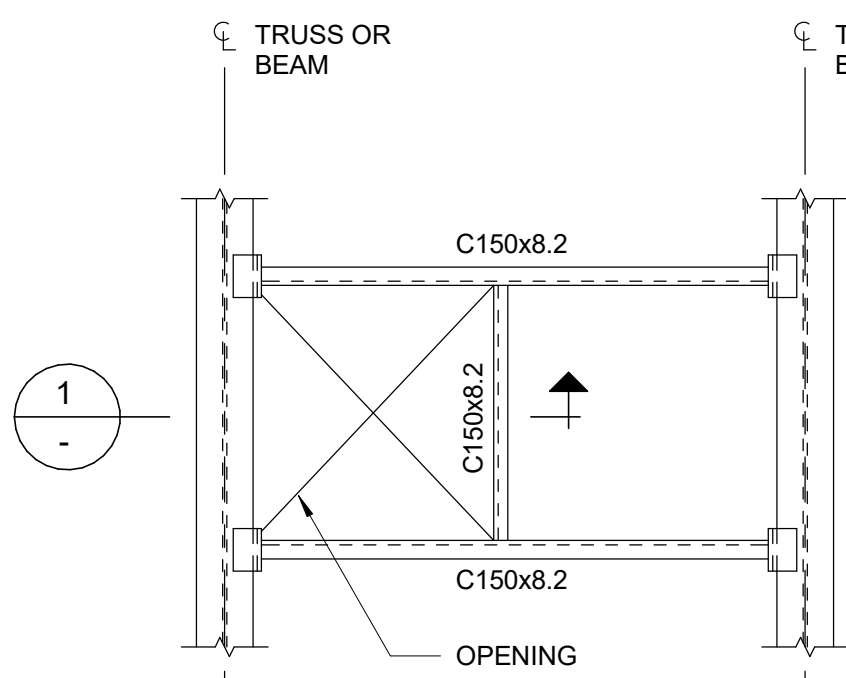
2 ADD'L REINF. TO OPENINGS IN CONC. WALLS AND SLABS
D2201 Scale: 1 : 20



DETAIL AT EXISTING JOIST
(TWO OPTIONS SHOWN)



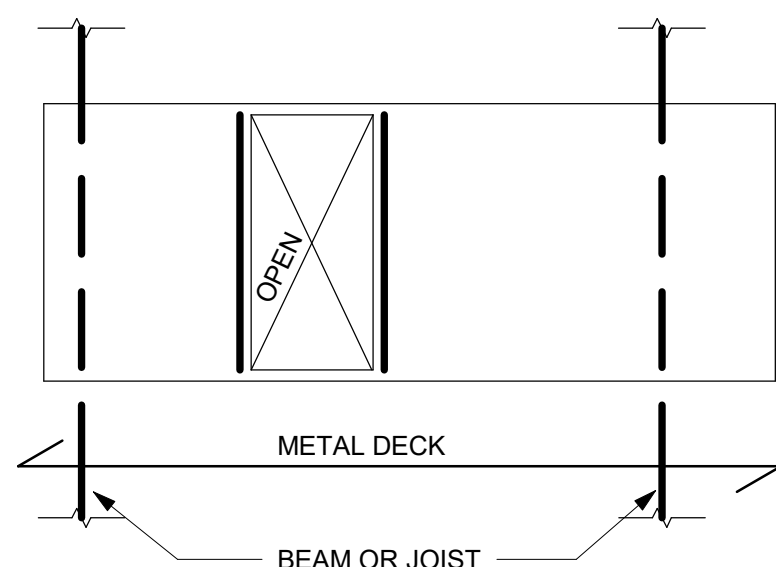
DETAIL AT EXISTING DECK



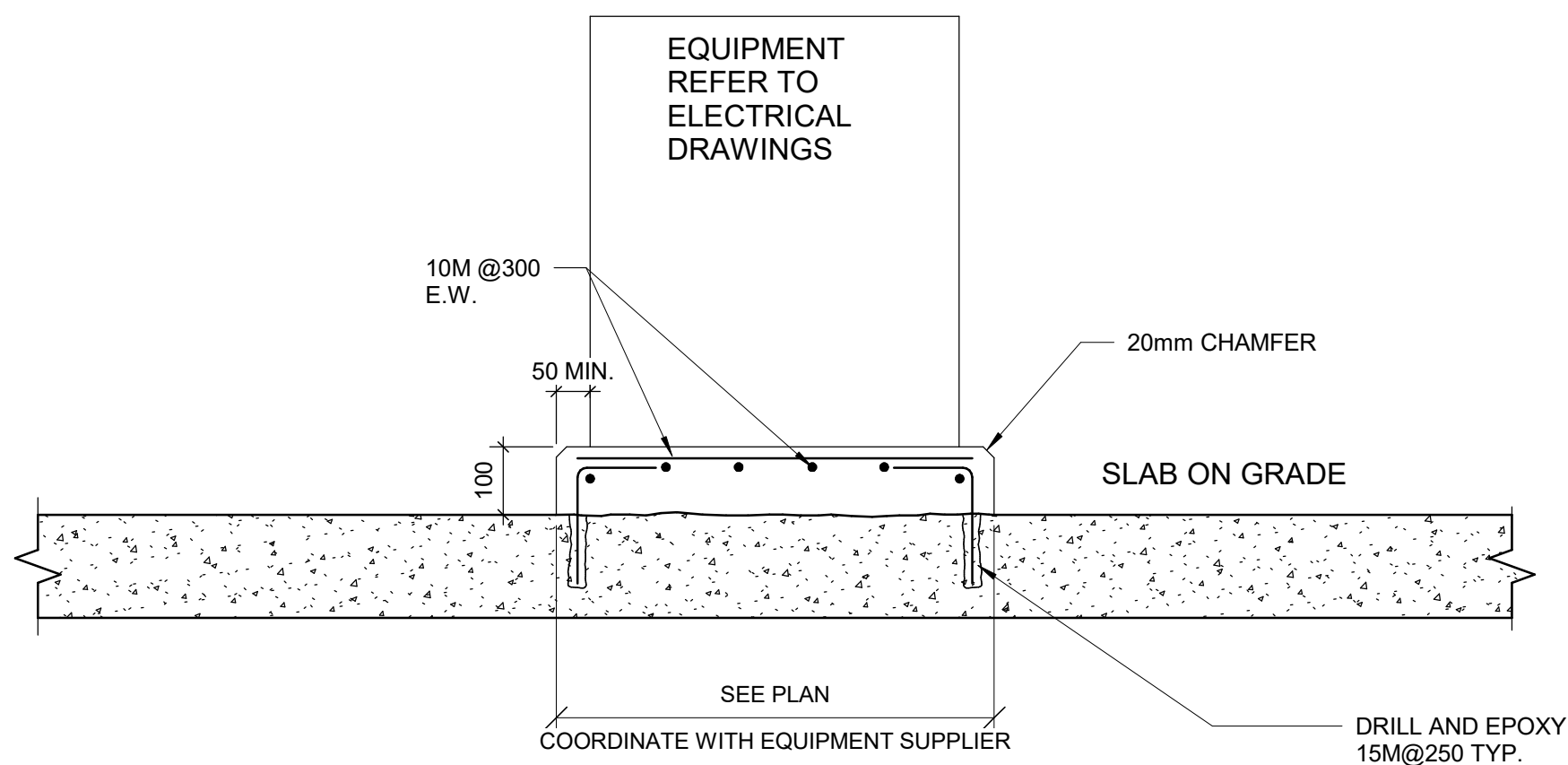
4 TYPICAL ROOF OPENING ADJACENT TO BEAM
D2201 Scale: 1 : 20

NOTES:

1. OPENINGS UP TO 150mm SQUARE OR IN DIAMETER AND SPACED A MINIMUM 300mm CLEAR FROM ADJACENT OPENINGS DO NOT REQUIRE REINFORCING.
2. OPENINGS LARGER THEN 150mm, BUT NOT EXCEEDING 450mm, ARE TO BE REINFORCED. SEE DETAIL 7/D2201.
3. OPENINGS LARGER THAN 450mm UP TO MAXIMUM ON DETAIL 1/D2201 1200mm SQUARE ARE TO BE REINFORCED AS SHOWN ABOVE, UNLESS INDICATED OTHERWISE ON PLAN.
4. CONNECT FRAMING FOR A MINIMUM END REACTION OF 10KN.

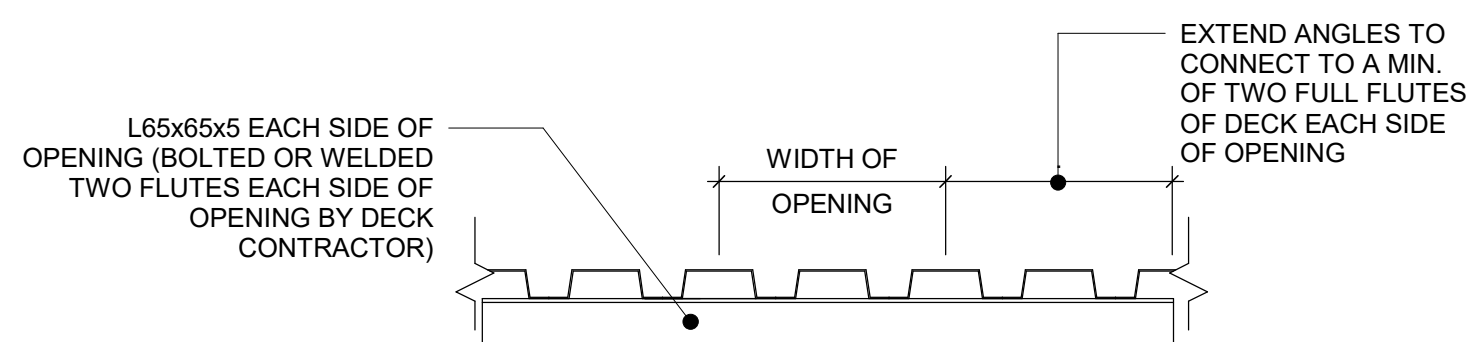


5 OPENINGS IN METAL ROOF DECK
D2201 Scale: 1 : 20



MIN EMBEDMENT	S.O.G. THICKNESS
MIN 3"	125mm
MIN 4"	150mm
MIN 6"	200mm

6 TYPICAL HOUSEKEEPING PAD
D2201 Scale: 1 : 10



7 METAL DECK OPENINGS 200 TO 360 WIDE
D2201 Scale: 1 : 10

3 FRAMING INTO EXISTING STEEL JOISTS AND DECK
D2201 Scale: 1 : 20

ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-10-05
B	90% SUBMISSION	2021-12-17
C	PERMIT SUBMISSION	2021-12-17
D	ISSUED FOR TENDER	2022-02-16

CONSULTANTS

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tel 416 679 1930 fax 416 675 4620
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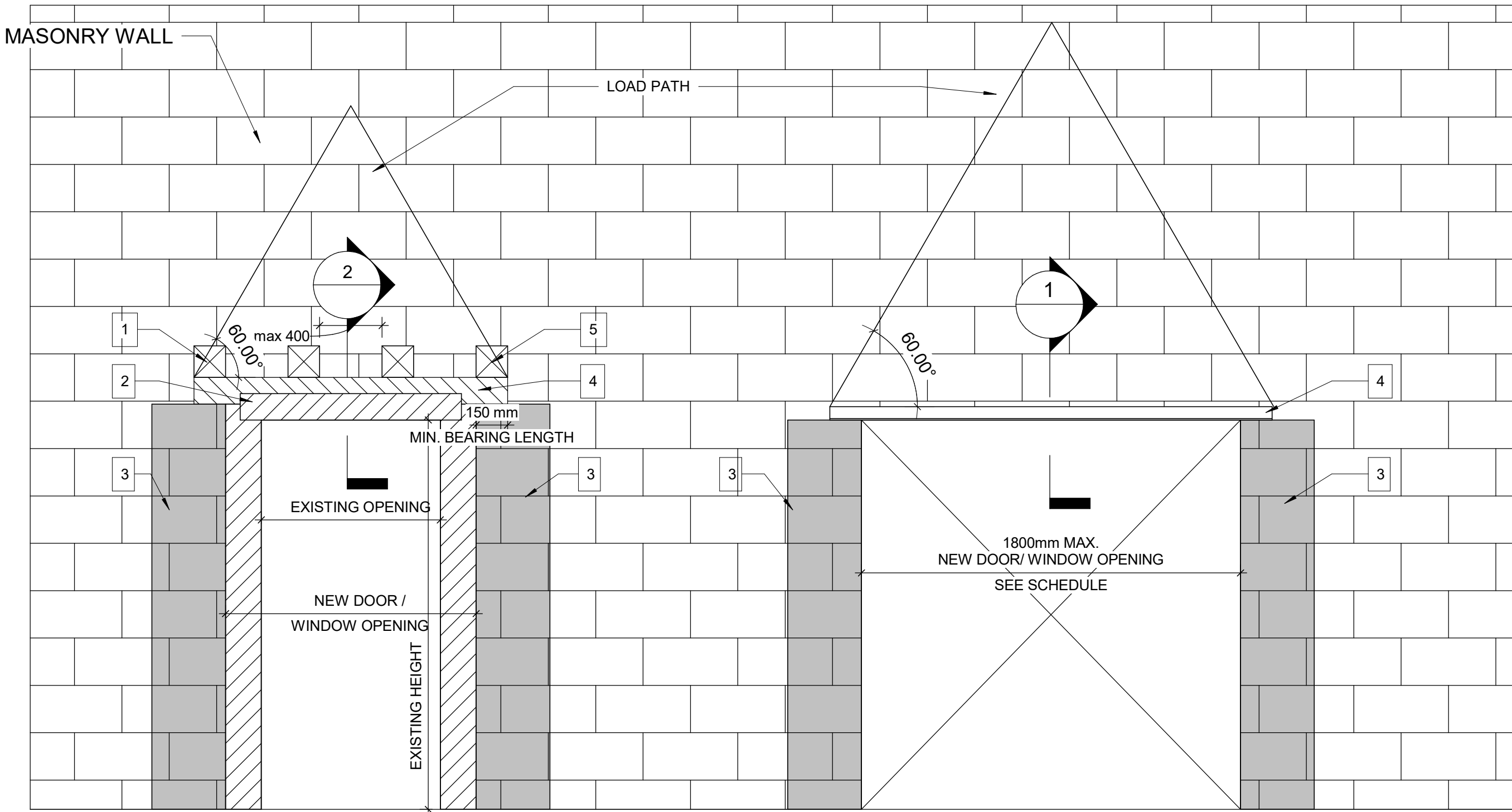
PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

PROJECT NO:
9119-19-0162 / IBI 122260
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CHECKED BY:
M. FAYAZI
PROJECT MGR:
L. SOSA
APPROVED BY:
K. ANGER

SHEET TITLE
**STRUCTURAL STEEL
DETAILS - 2**

SHEET NUMBER
G14-031-D2201
ISSUE
D



**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

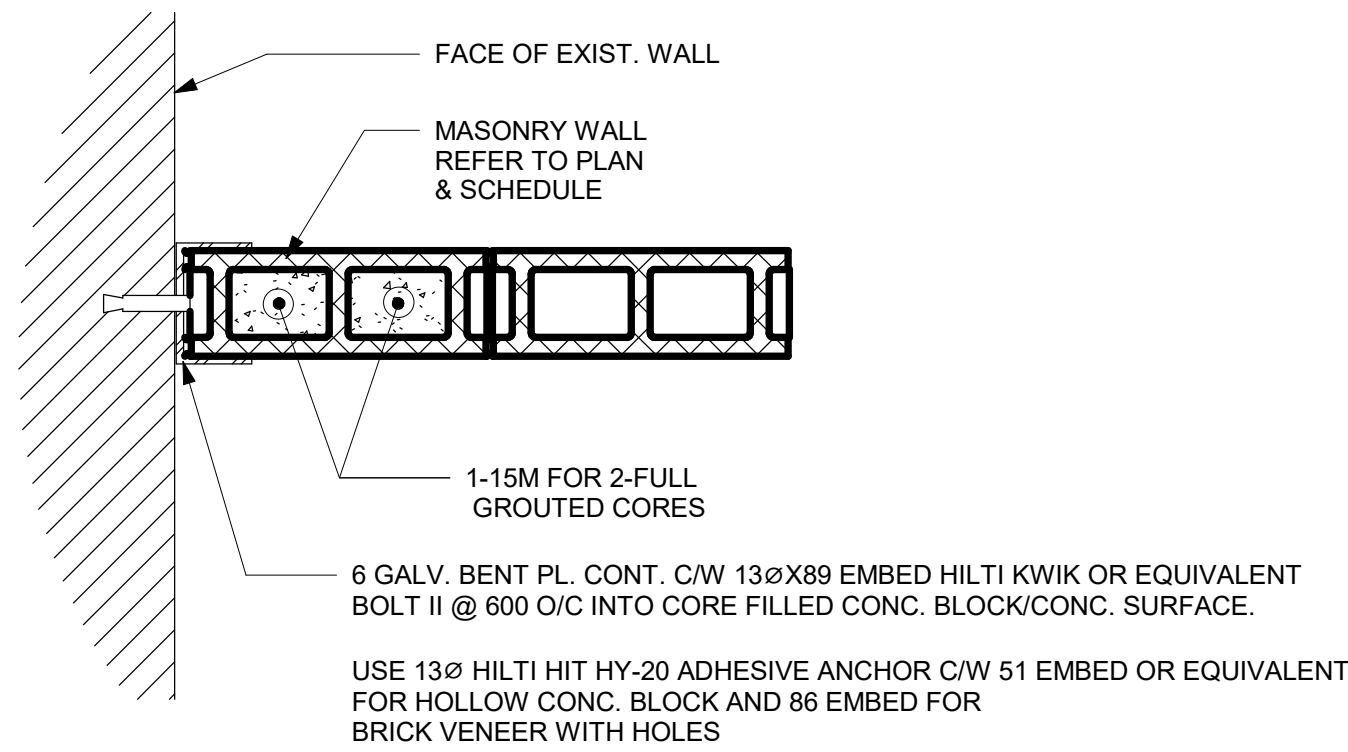
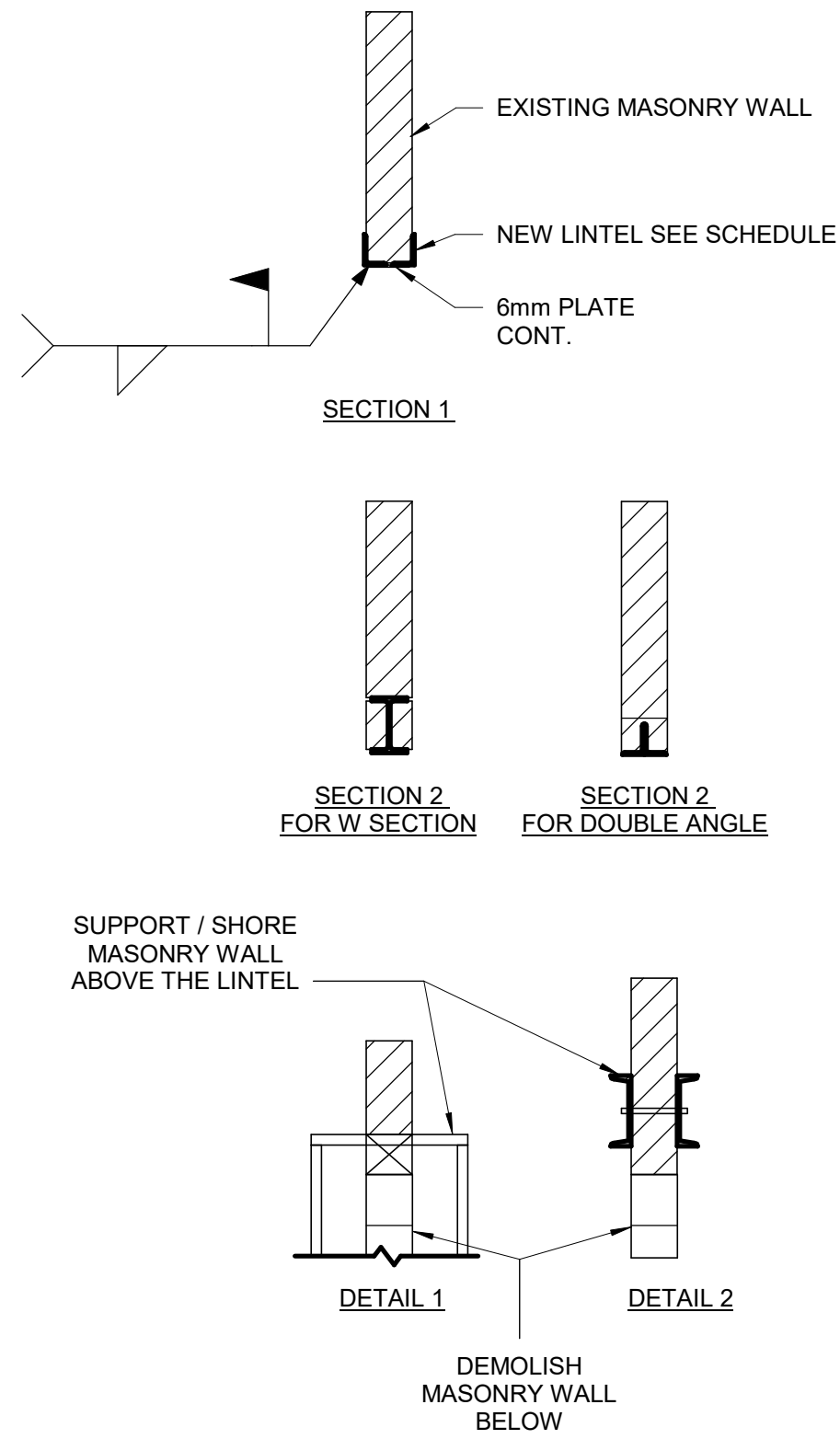
LINTEL:

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

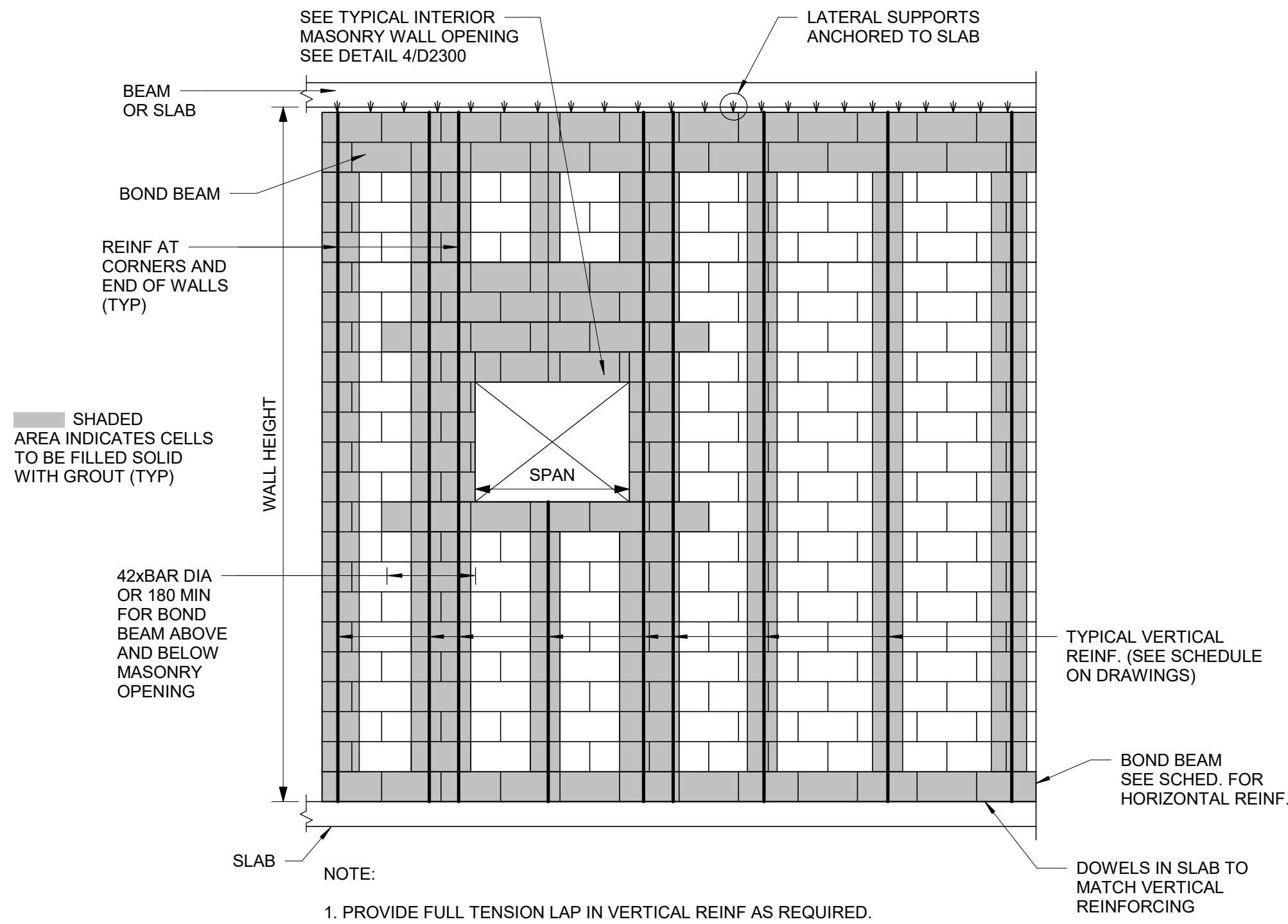
STEEL LINTELS

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		

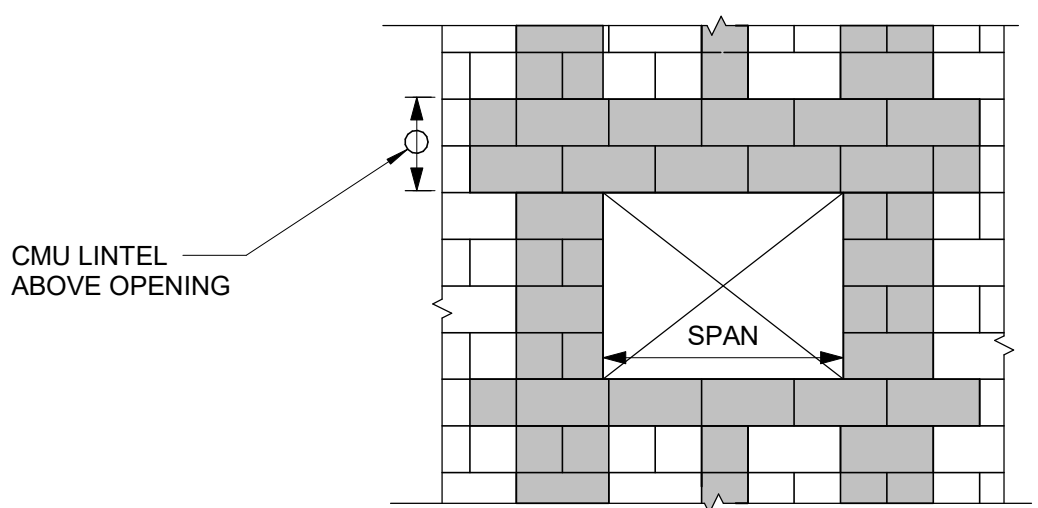
- TO INSTALL A LINTEL TO THE EXISTING BLOCK WALL FOR A NEW OPENING, CUT A GROOVE THROUGH THE EXISTING BLOCK WALL AT THE TOP OF THE NEW OPENING AND INSTALL THE ANGLE FROM ONE SIDE OF THE WALL FOR SINGLE SINGLE OR FROM BOTH SIDES OF THE WALL FOR DOUBLE ANGLE AND THEN CUT THE OPENING.
- MINIMUM BEARING 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 OPENING.
 - 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.



2 TYPICAL CMU WALL CONNECTION TO EXISTING WALL
D2300 Scale: 1 : 10



3 TYPICAL NEW MASONRY WALL DETAILS
D2300 Scale: 1 : 20



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

1 WIDENING WALL OPENING
D2300 Scale: 1 : 20

ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-10-05
B	90% SUBMISSION	2021-12-17
C	PERMIT SUBMISSION	2021-12-17
D	ISSUED FOR TENDER	2022-02-16

CONSULTANTS

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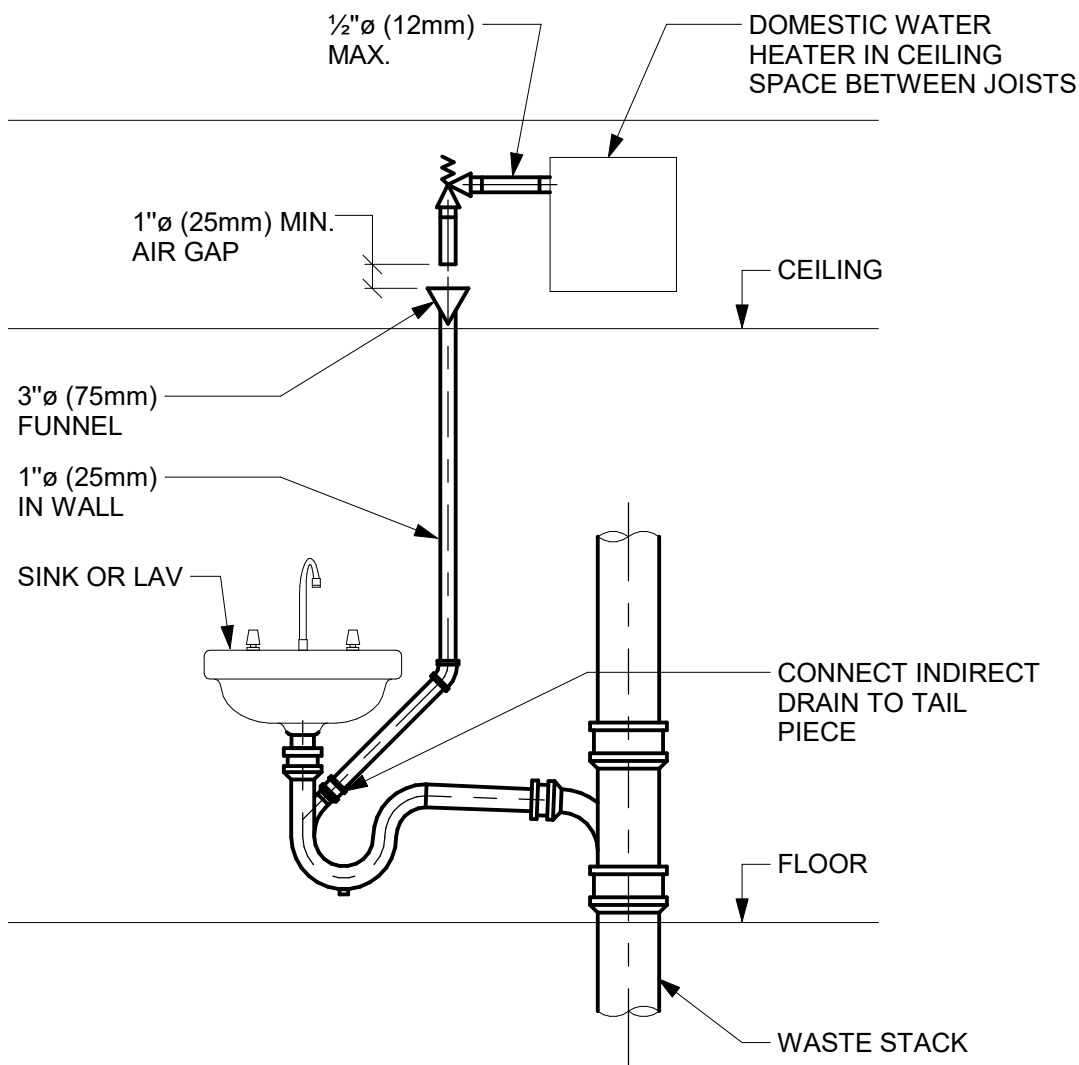
PLUMBING FIXTURE SCHEDULE

DESCRIPTION	SERVICES				REMARKS
	CW	HW	WASTE	VENT	
WATER CLOSET (FLUSH VALVE)	25	-	75	40	
WATER CLOSET (FLUSH TANK)	12	-	75	40	
URINAL (FLUSH VALVE)	20	-	50	40	
URINAL (FLUSH TANK)	12	-	40	32	
LAVATORY	12	12	32	32	
SHOWER	12	12	75	32	
SERVICE SINK	12	12	75	40	
DRINKING FOUNTAIN	12	-	32	32	
SINKS	12	12	40	32	
GROUP WASH FOUNTAIN	25	25	40	40	

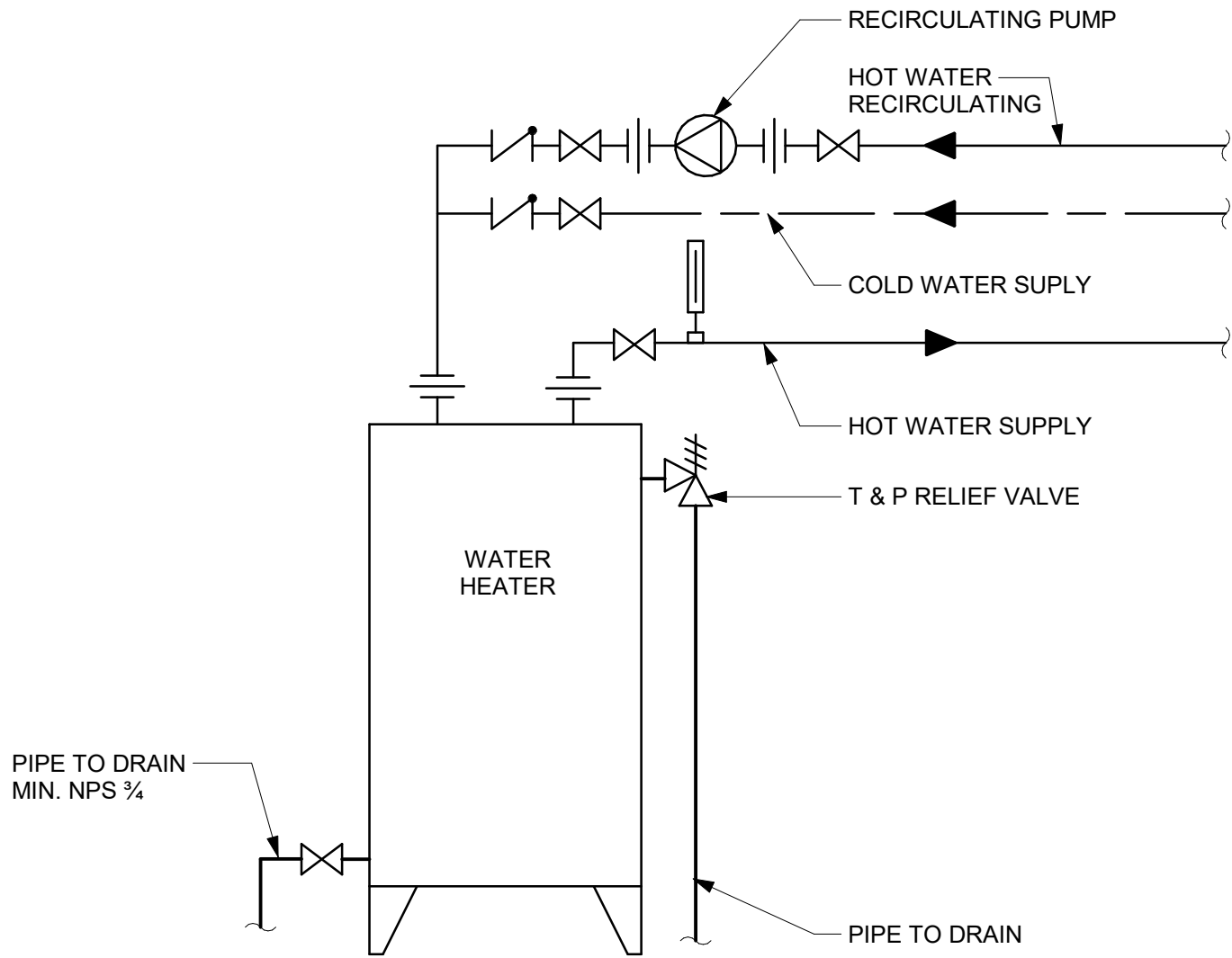
NOTES:

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

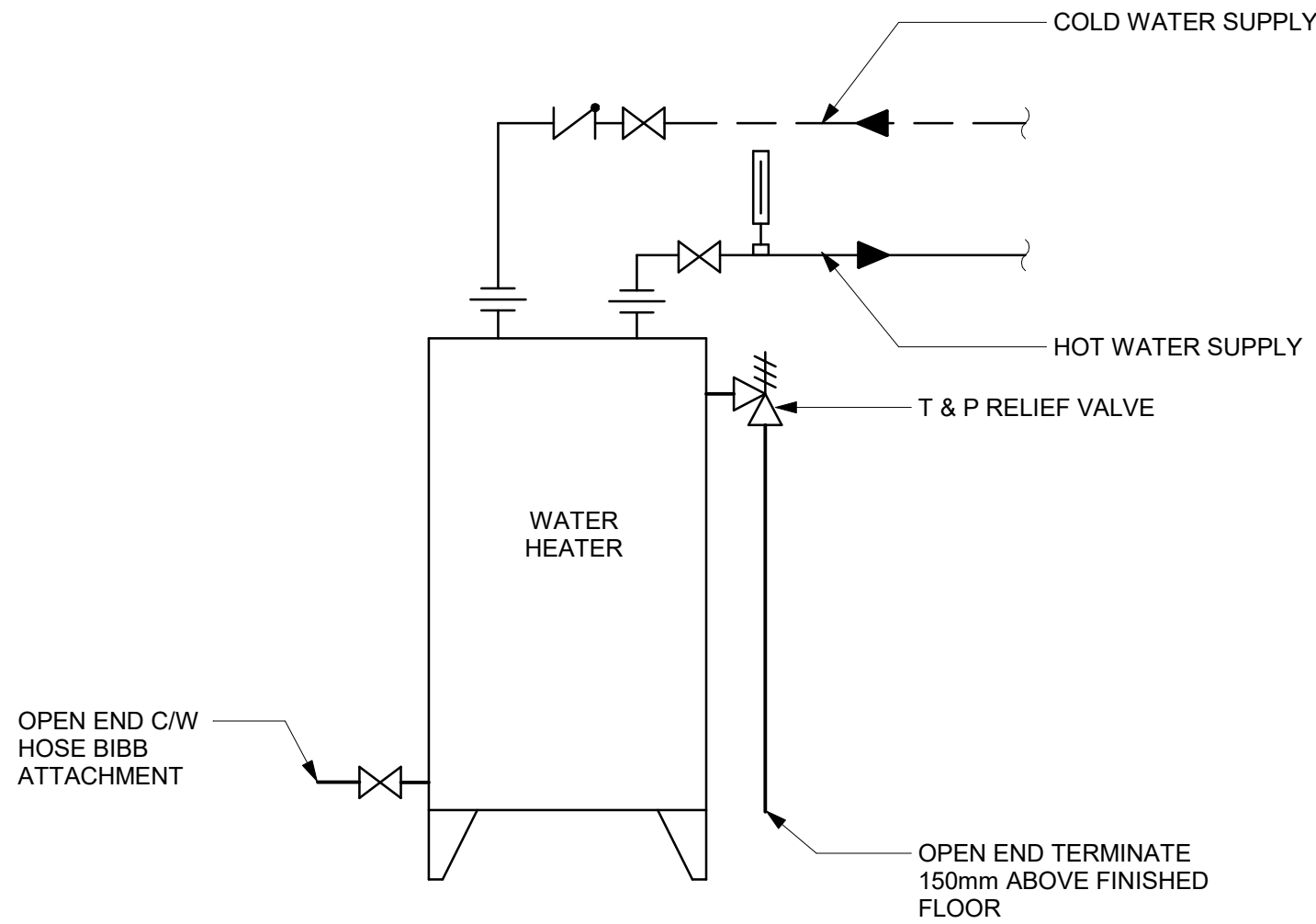
1 PLUMBING FIXTURE SCHEDULE
D3201 Scale: N.T.S.



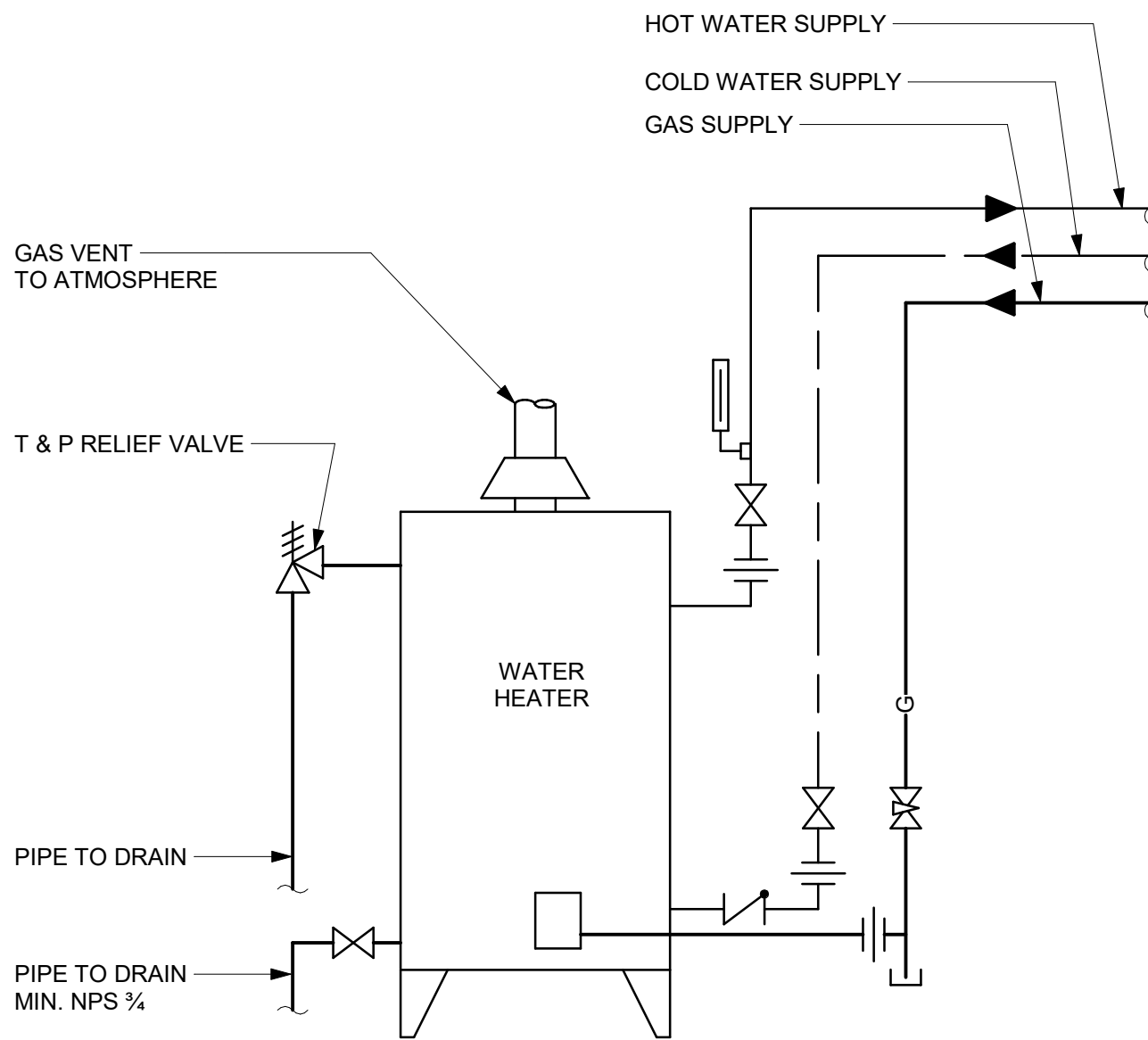
2 INDIRECT WASTE FROM OVERHEAD DWH RELIEF VALVE
D3201 Scale: N.T.S.



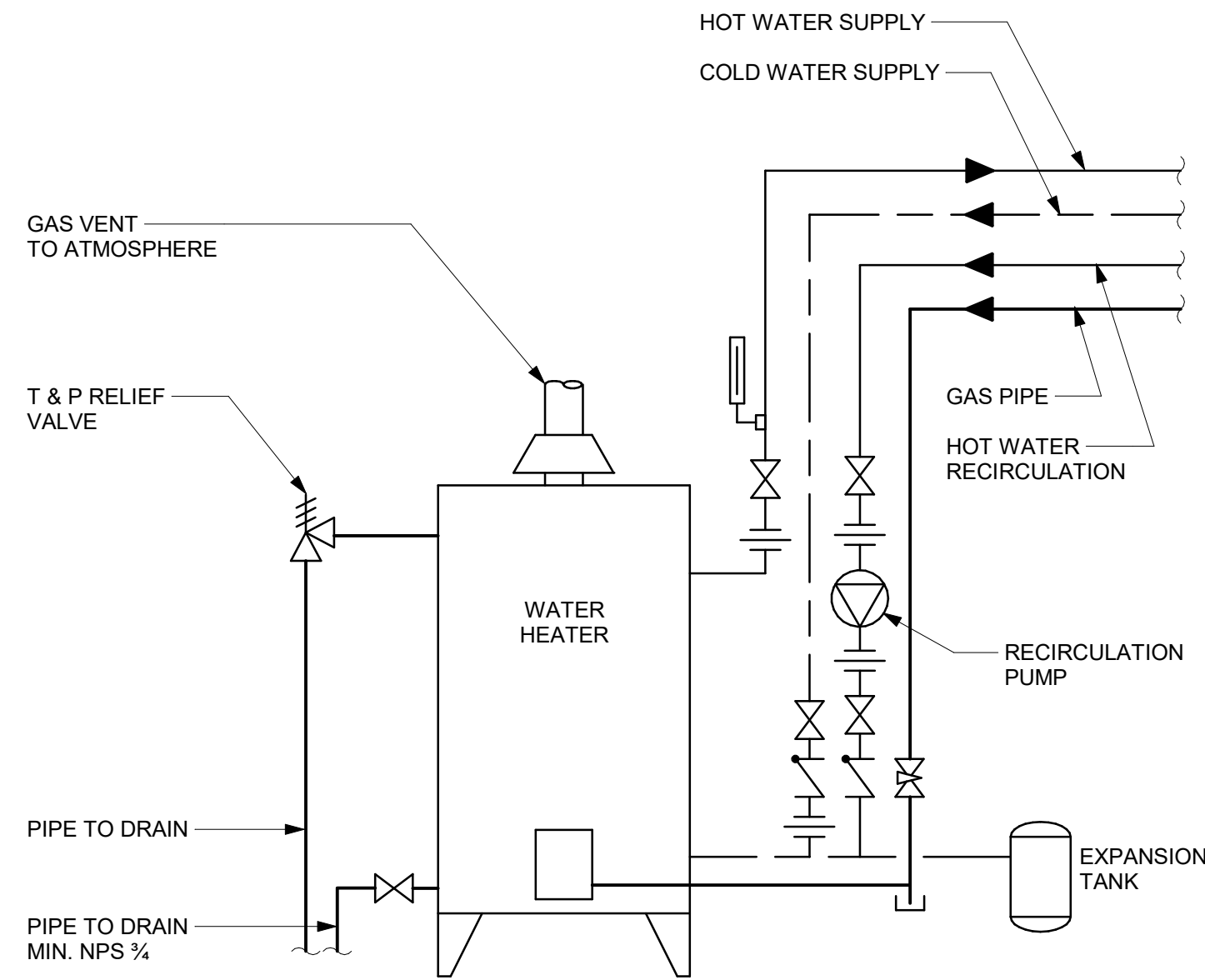
3 DOMESTIC WATER HEATER ELECTRIC WITH RECIRCULATION
D3201 Scale: N.T.S.



4 DOMESTIC WATER HEATER ELECTRIC - NO RECIRCULATION
D3201 Scale: N.T.S.



5 DOMESTIC WATER HEATER GAS FIRED - NO RECIRCULATION
D3201 Scale: N.T.S.



6 DOMESTIC WATER HEATER GAS FIRED WITH RECIRCULATION
D3201 Scale: N.T.S.

CLIENT

CITY OF TORONTO



55 John ST.
TORONTO, ON
M5V 3C6

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C	ISSUED FOR PERMIT	2021-09-10
D	ISSUED FOR TENDER	2022-02-16

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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260

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PROJECT MGR:
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APPROVED BY:
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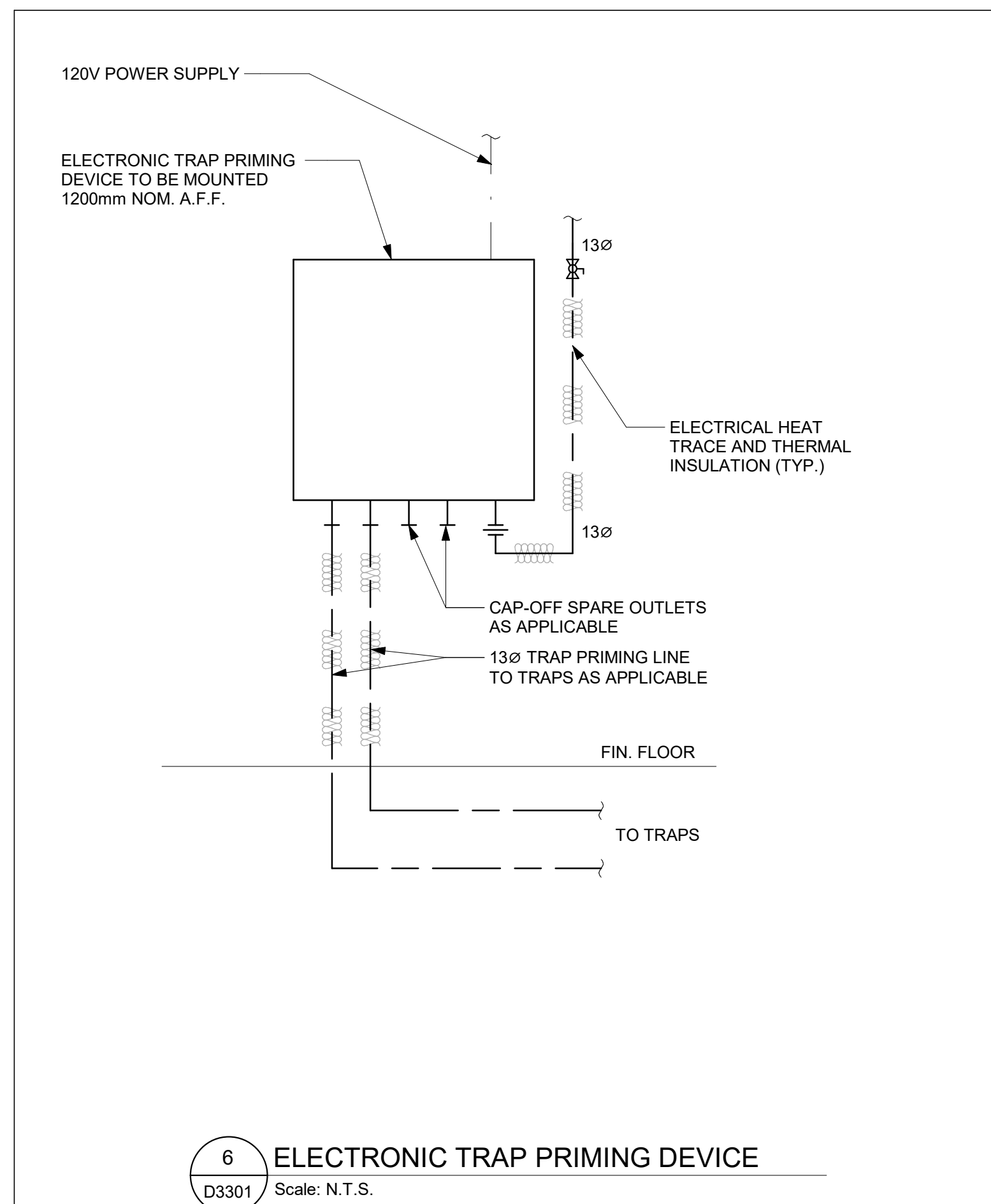
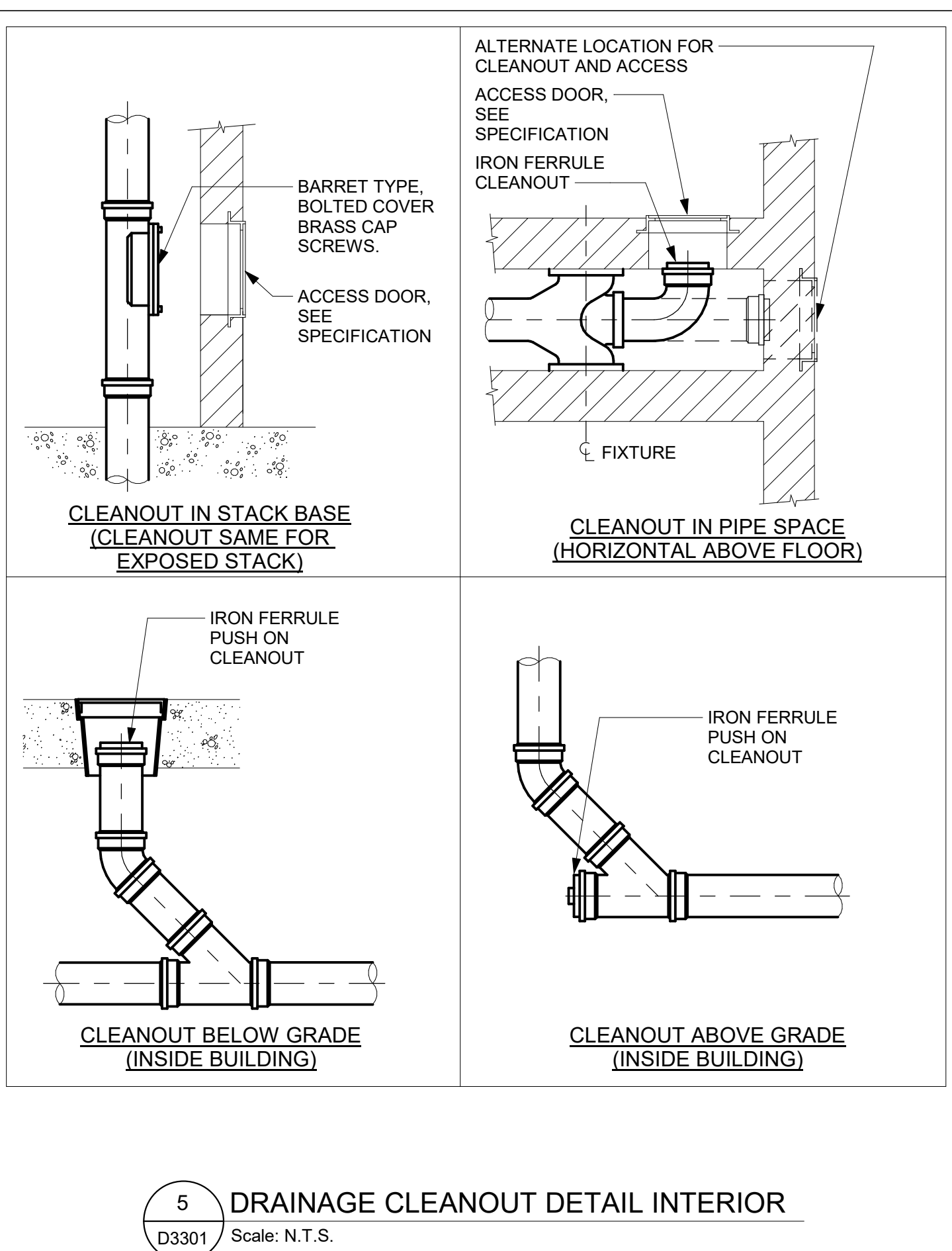
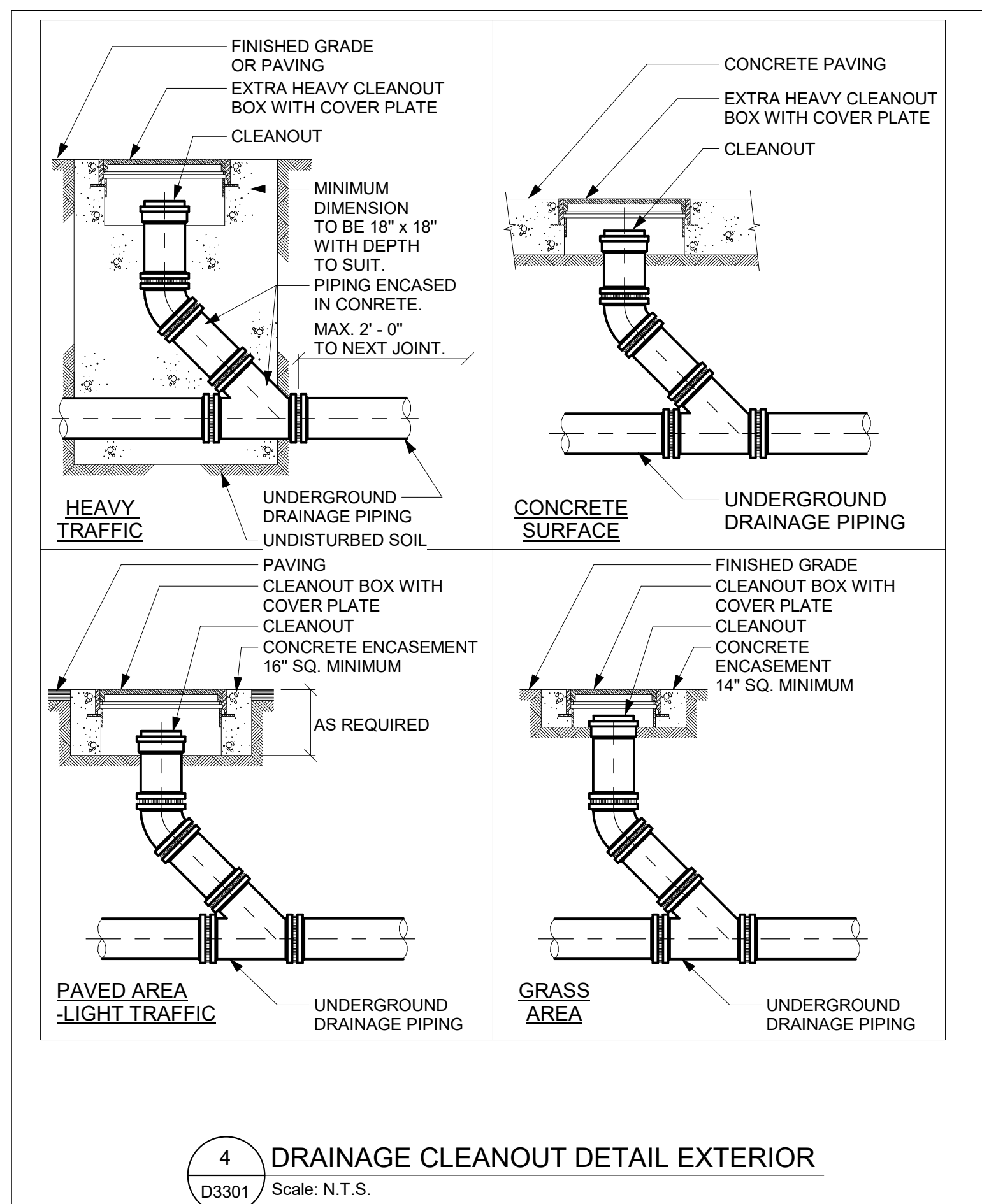
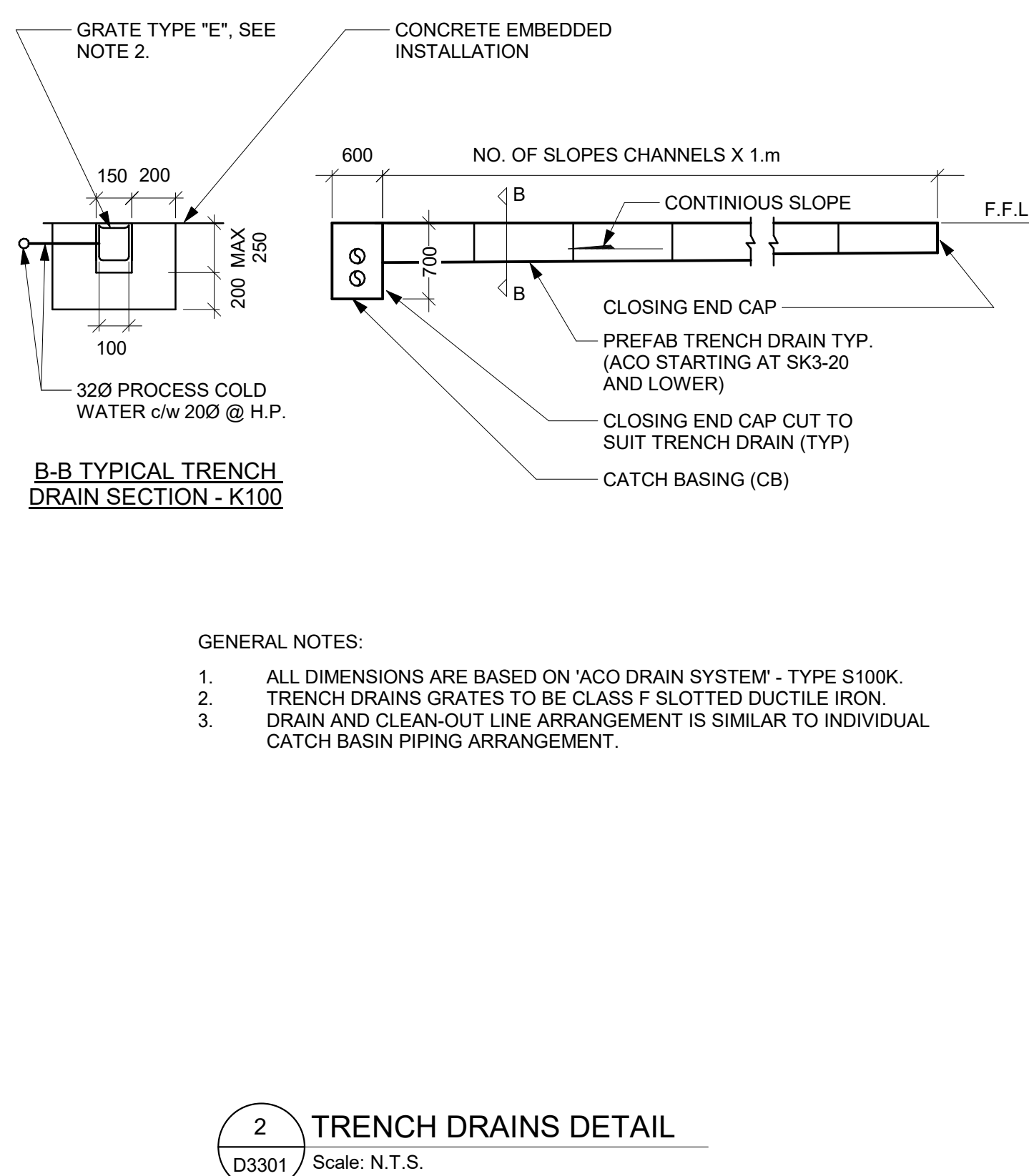
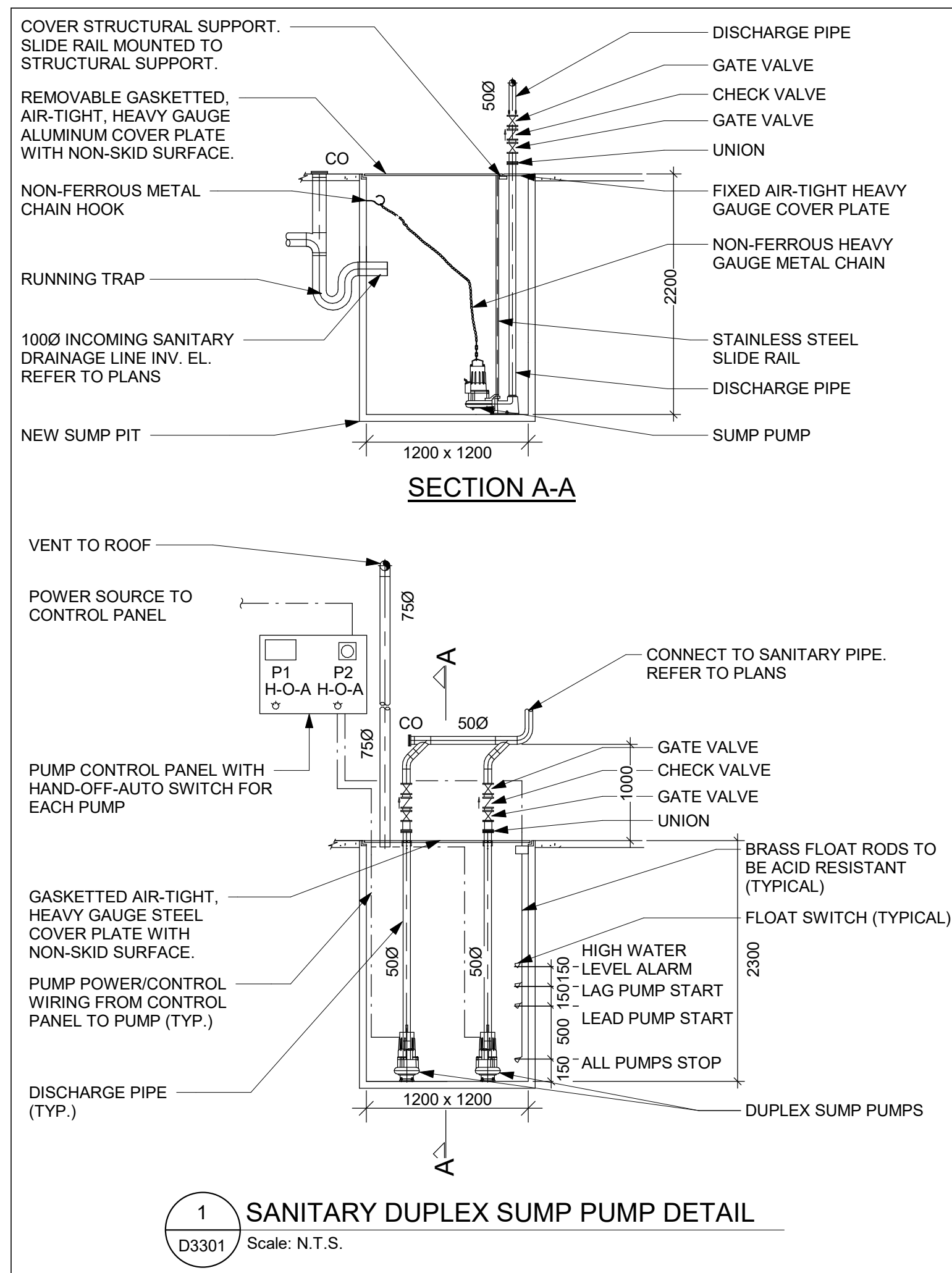
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PLUMBING DETAILS

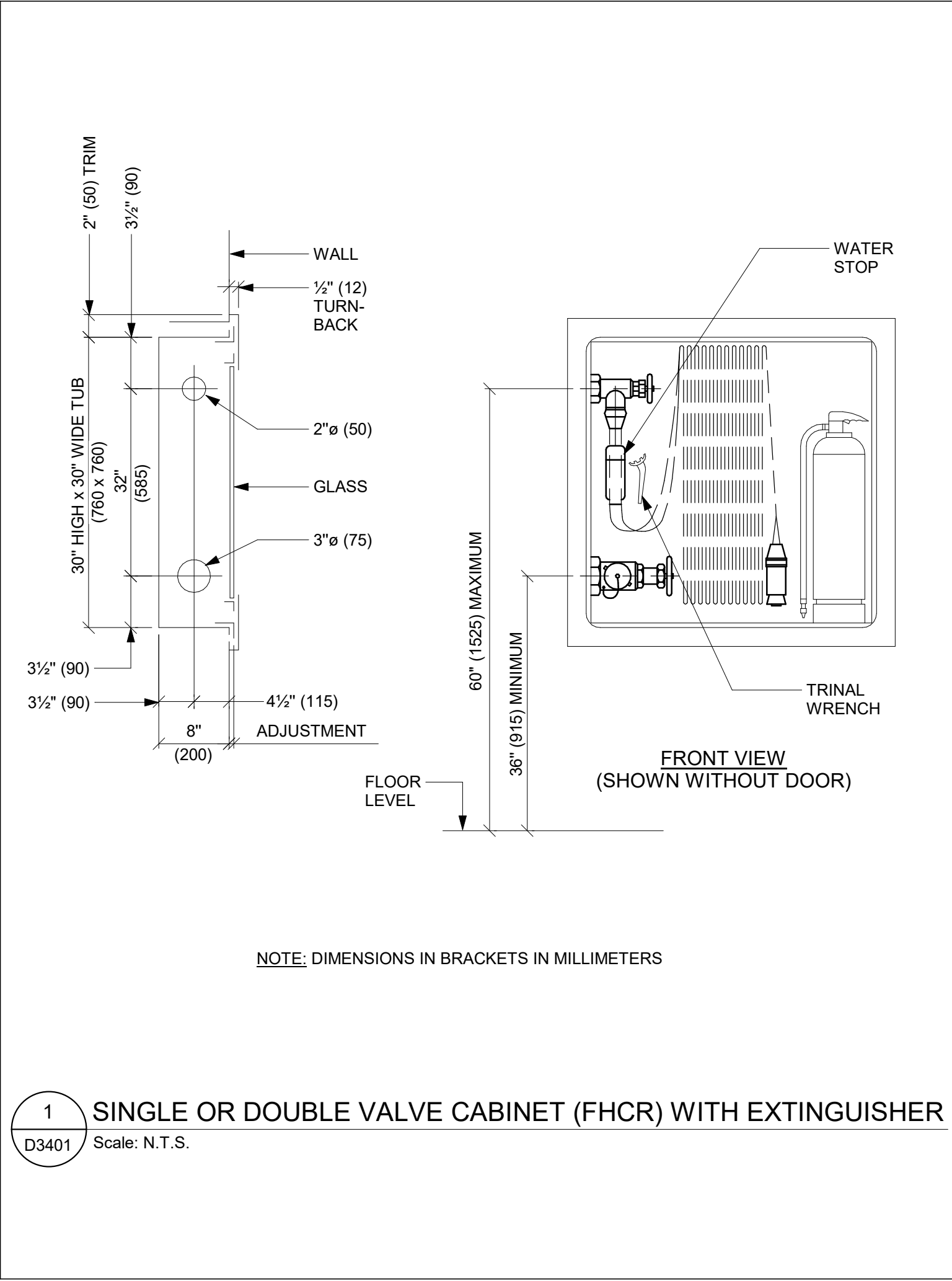
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G29-D3201

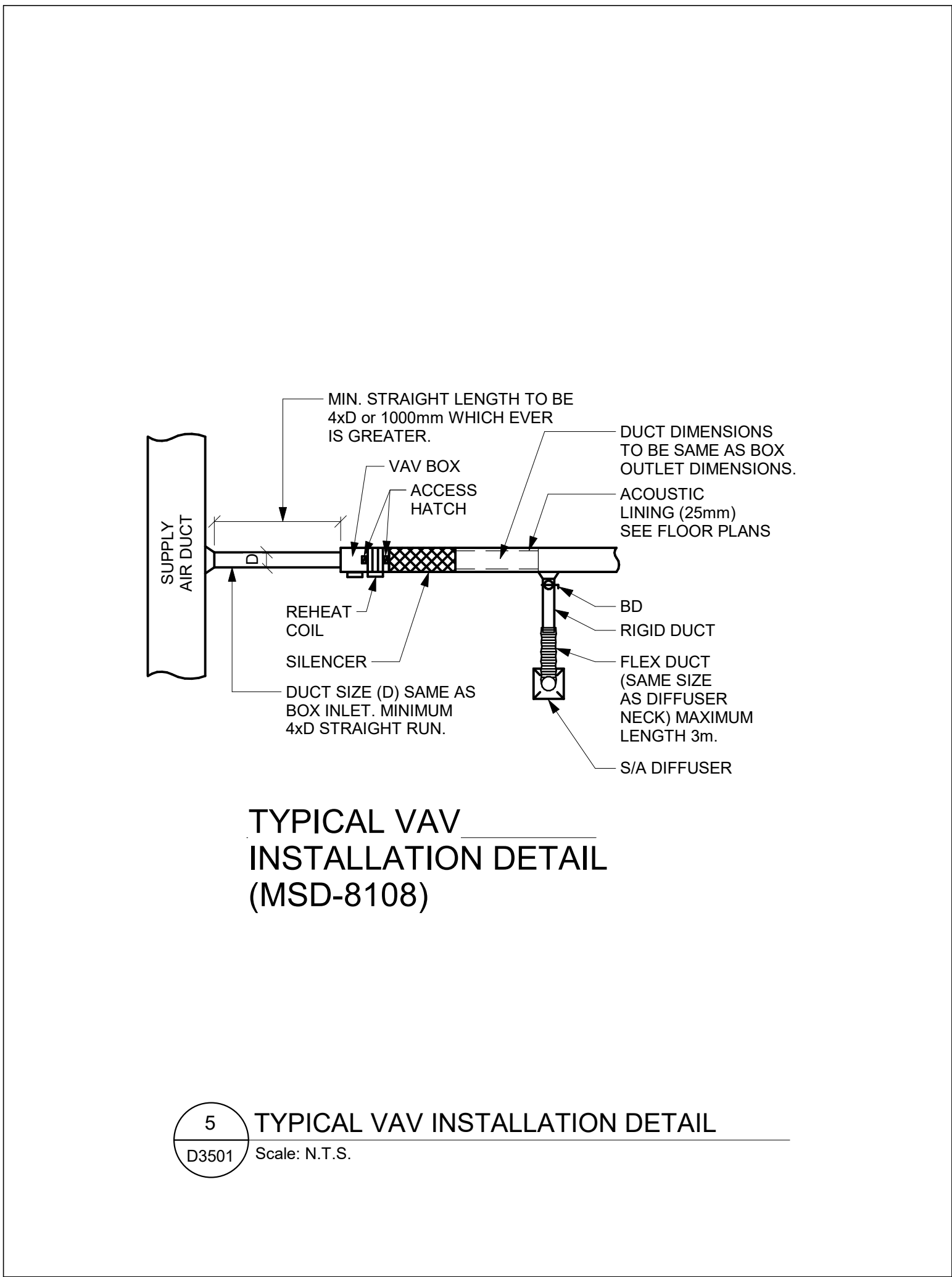
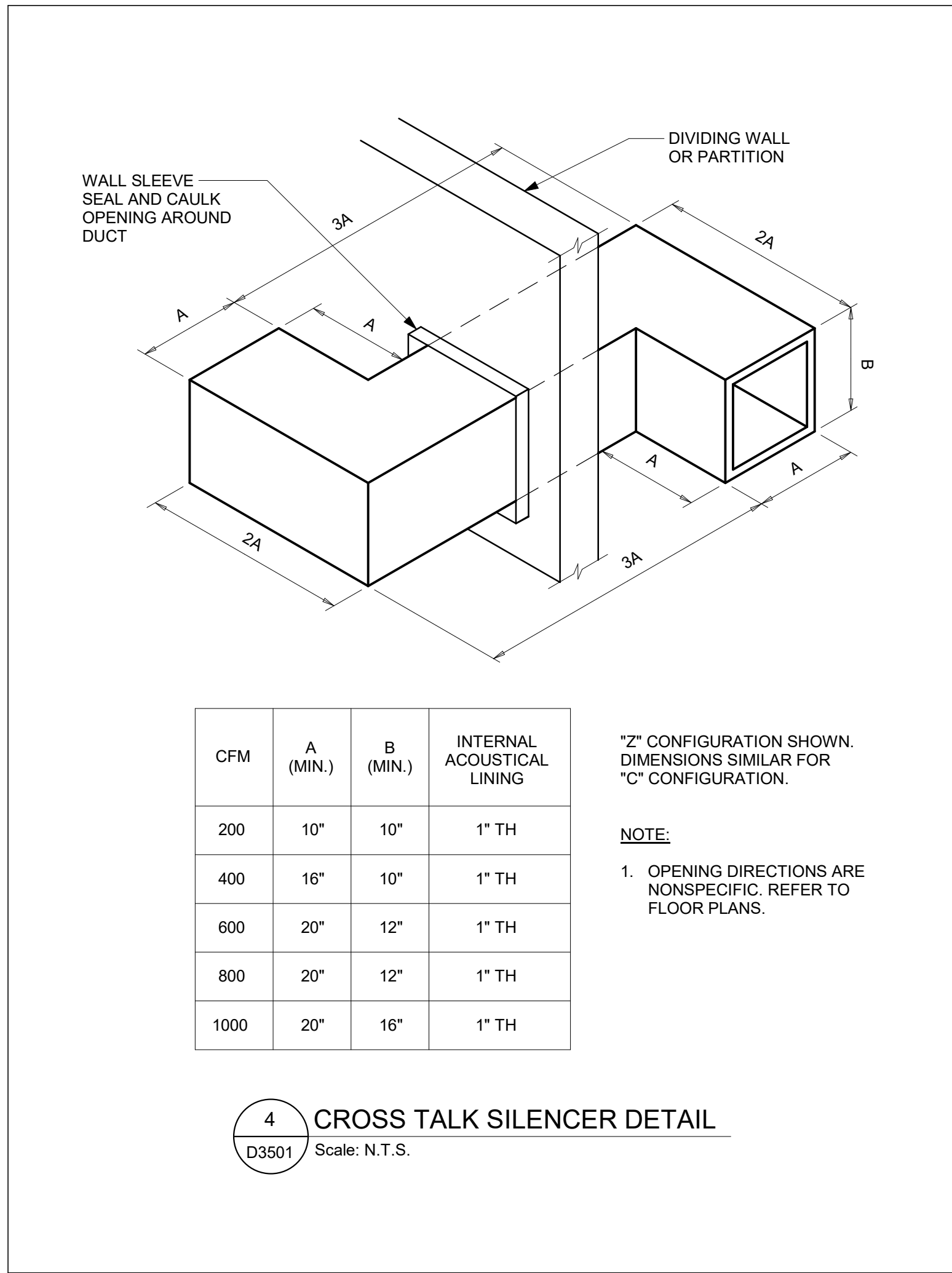
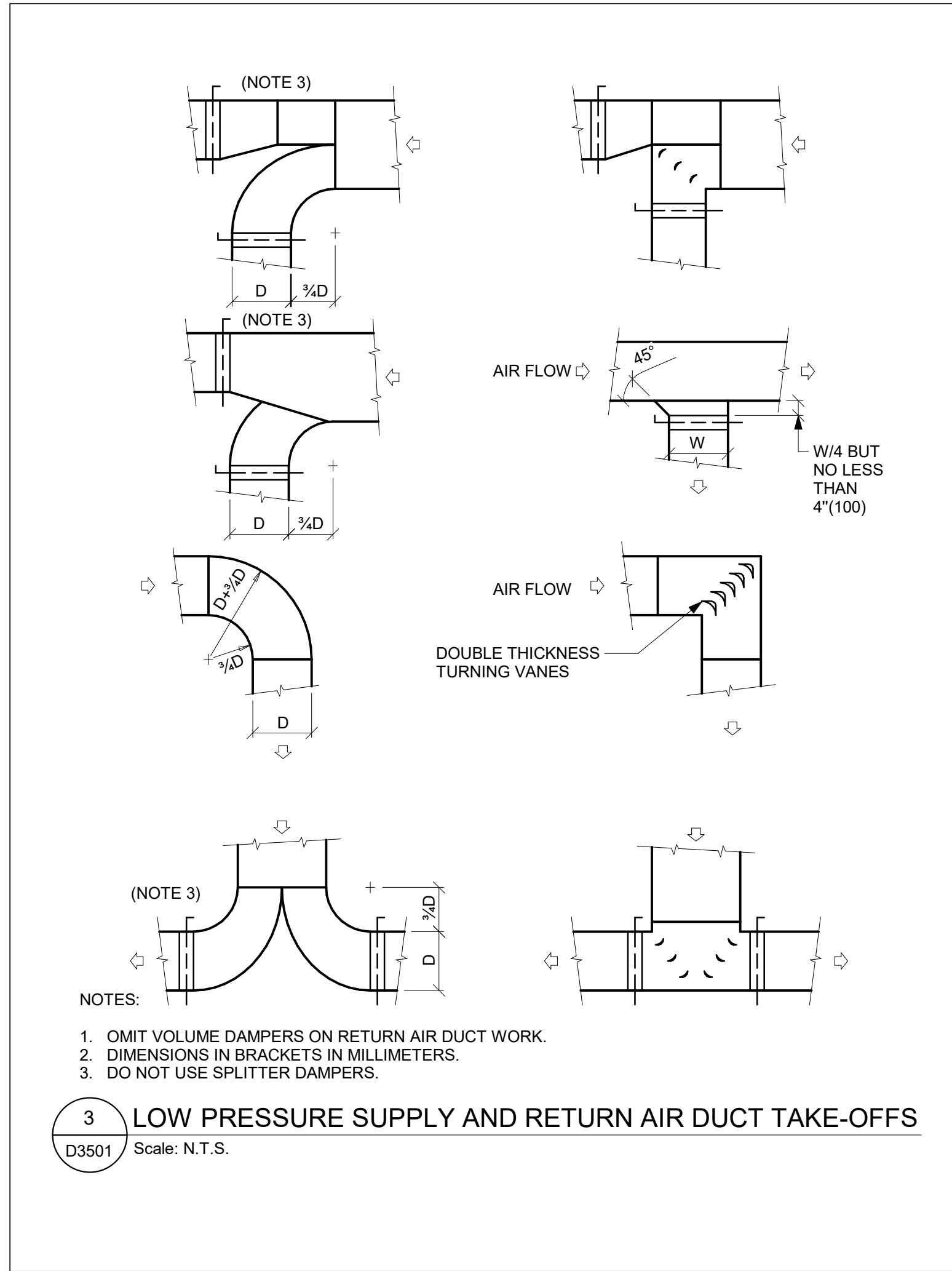
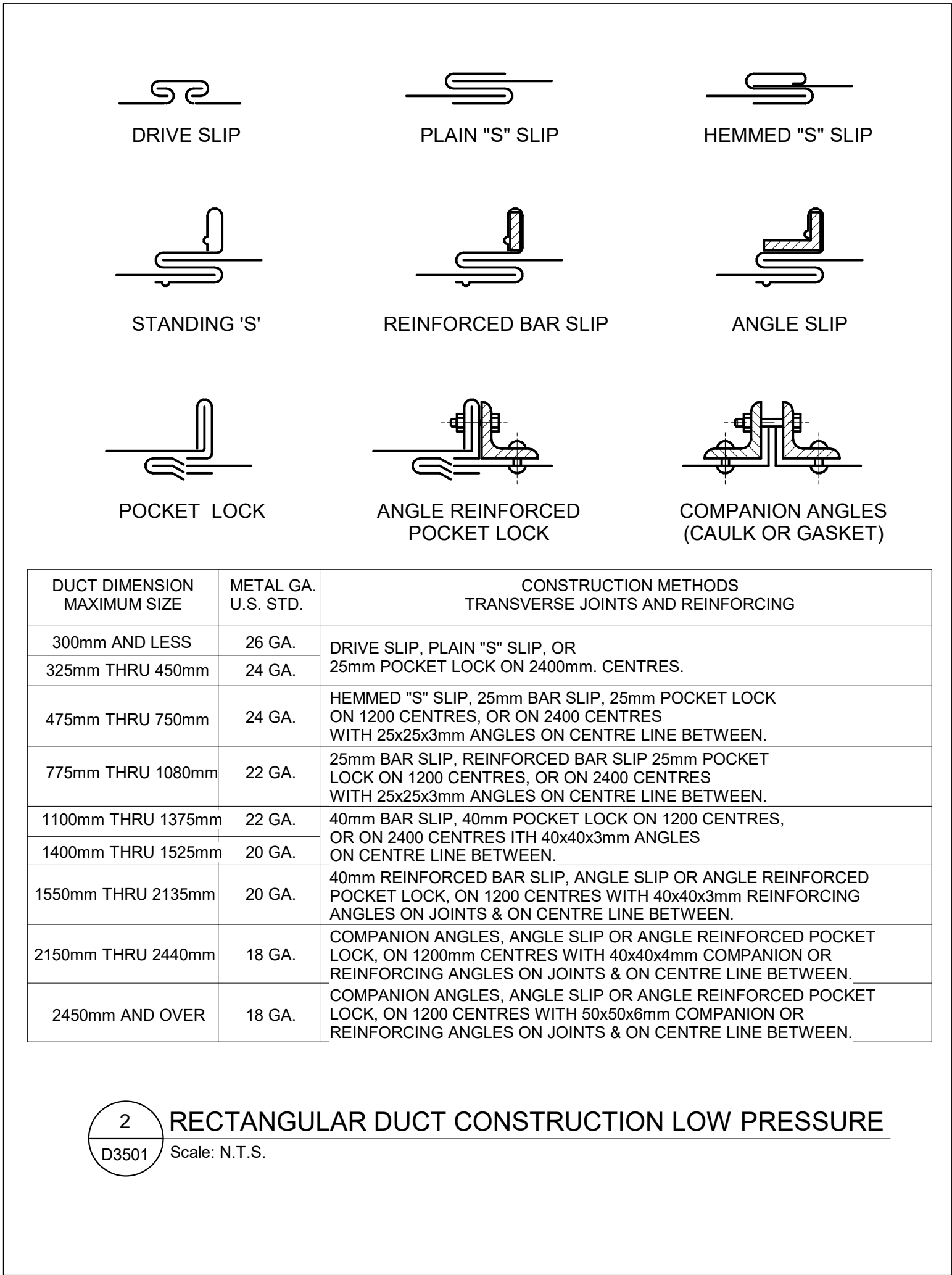
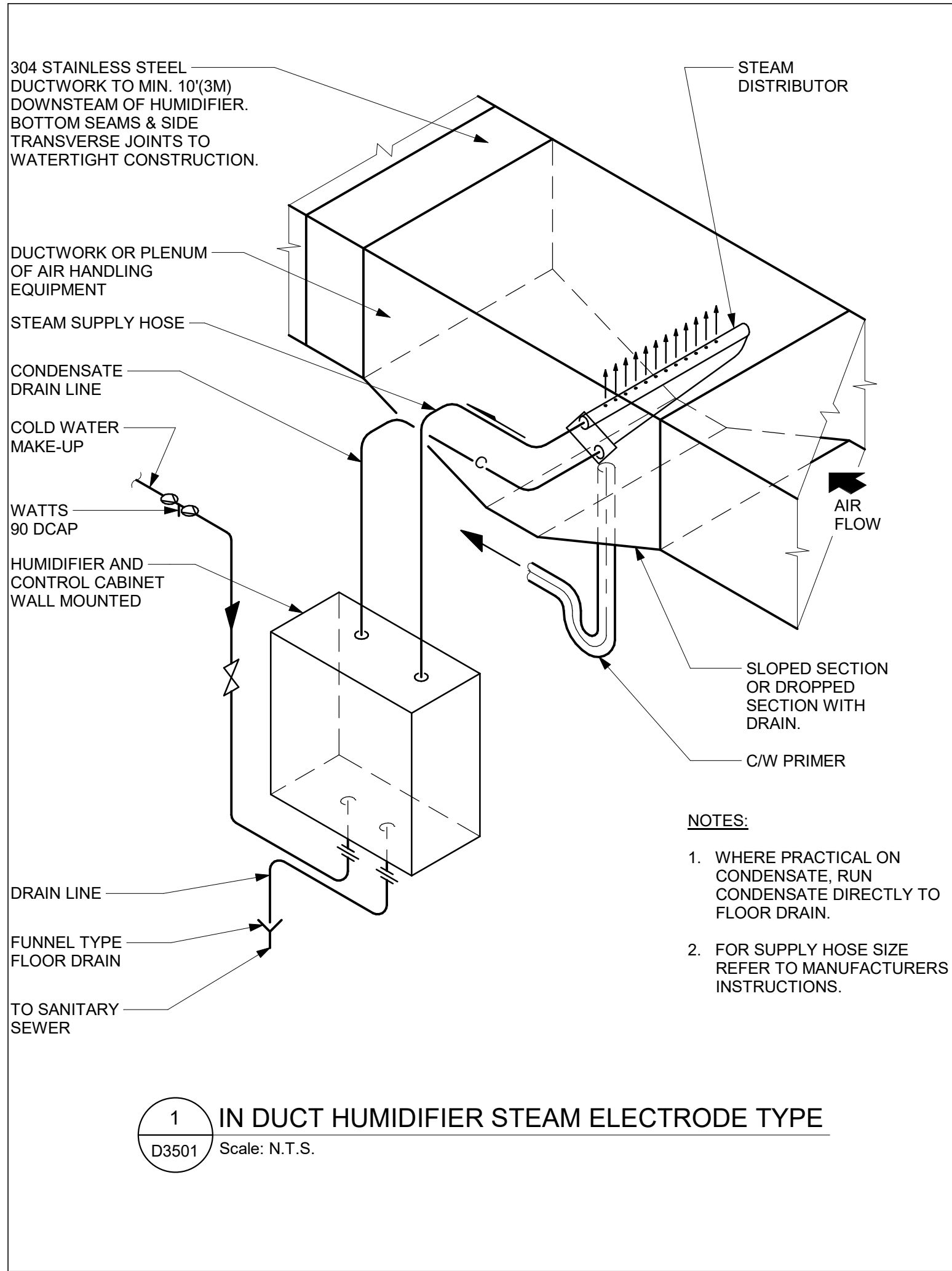
ISSUE

D





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D	ISSUED FOR TENDER	2022-02-16
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PRIME CONSULTANT		
 IBI GROUP 175 Galaxy Blvd, Unit 100 Toronto, ON M9W 0C9, Canada tel 416 679 1930 fax 416 675 4620 ibigroup.com		
PROJECT TITLE		
CITY OF TORONTO ACCESSIBILITY UPGRADES		
PROJECT ADDRESS		
PROJECT NO: 9119- 19- 0162 / IBI 122260		
DRAWN BY: N. KHOURY		CHECKED BY: G. VERNESCU
PROJECT MGR: L. SOSA		APPROVED BY: B. LIAO
SHEET TITLE		
FIRE PROTECTION DETAILS		
SHEET NUMBER		ISSUE
G29-D3401		D



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CONSULTANTS

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PROJECT TITLE

**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

PROJECT NO:
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N. KHOURY

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PROJECT MGR:
L. SOSA

APPROVED BY:
B. LIAO

SHEET TITLE

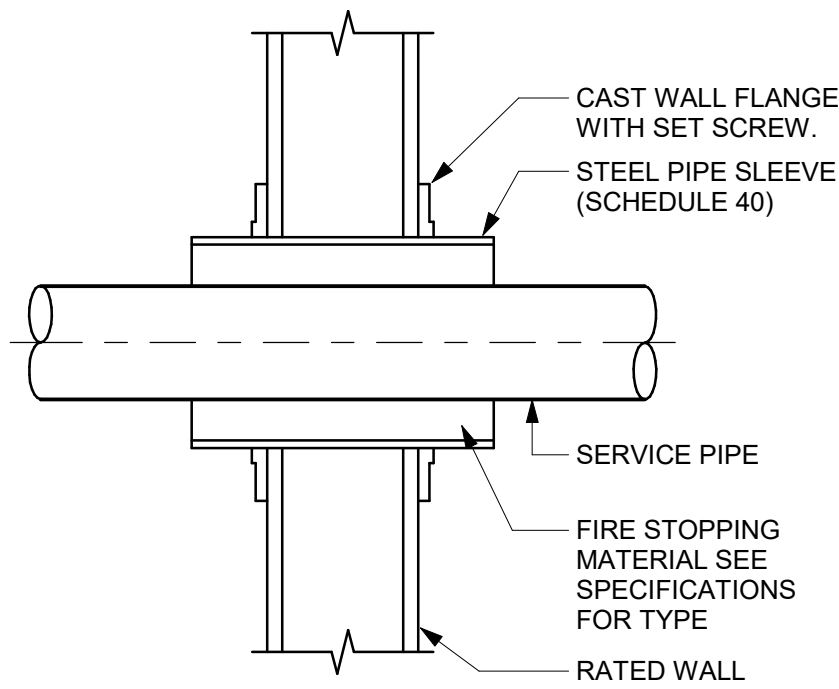
HVAC DETAILS

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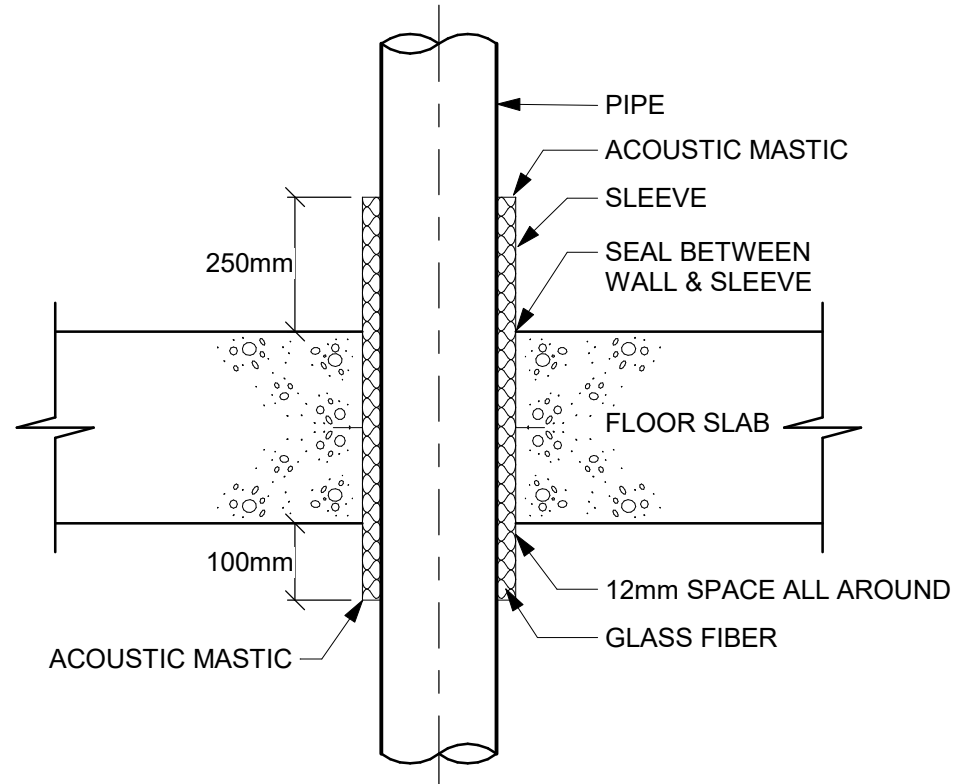
G29-D3501

ISSUE

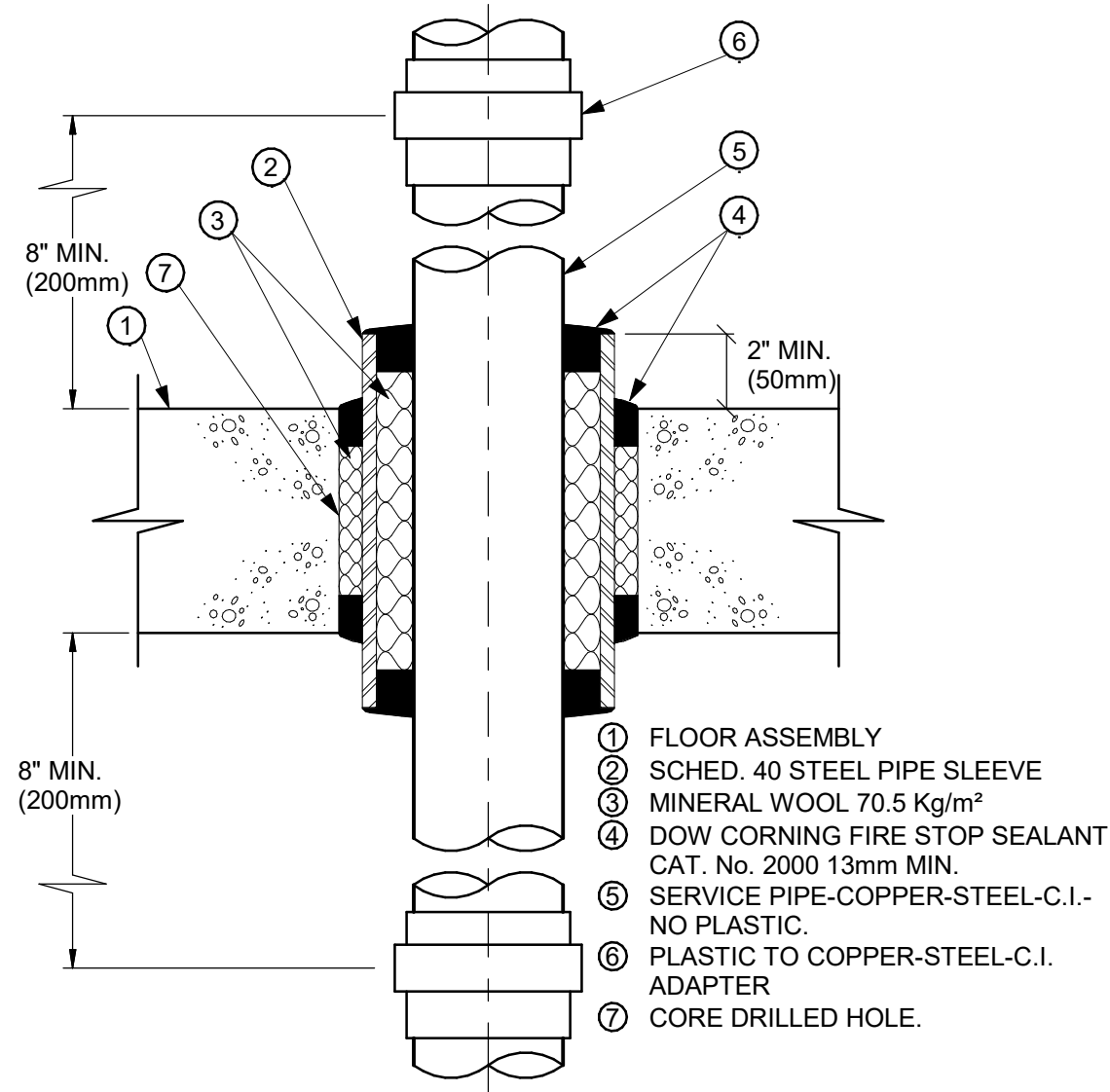
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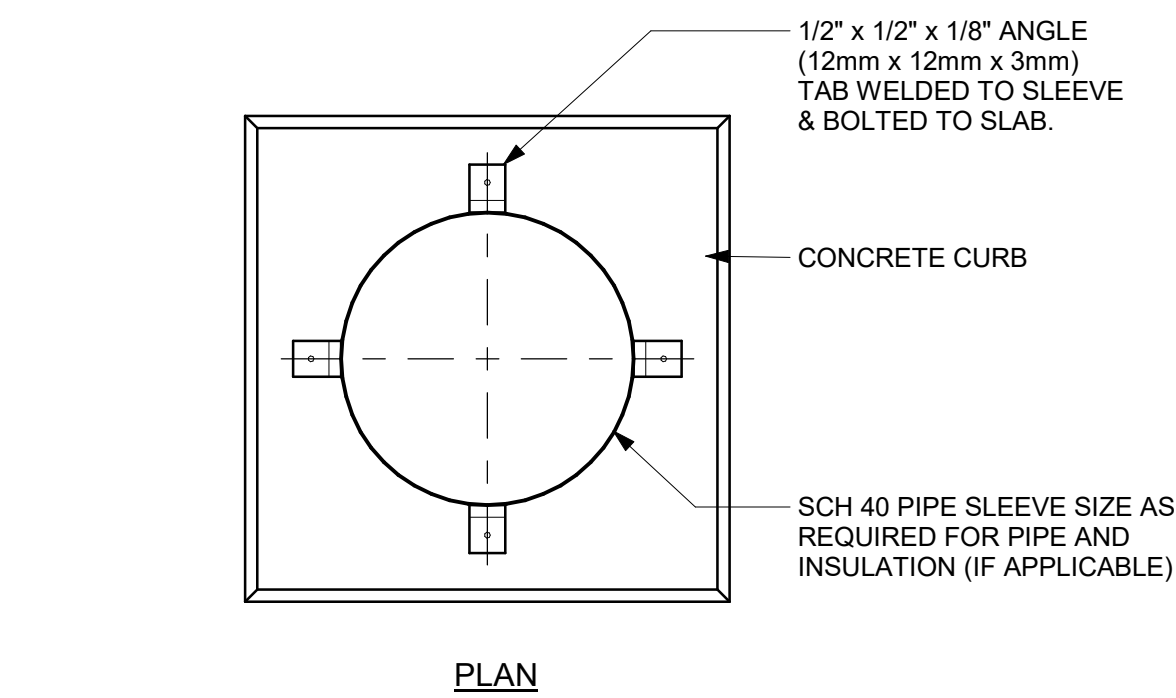
1 SLEEVE THROUGH RATED WALL
D3601 Scale: N.T.S.



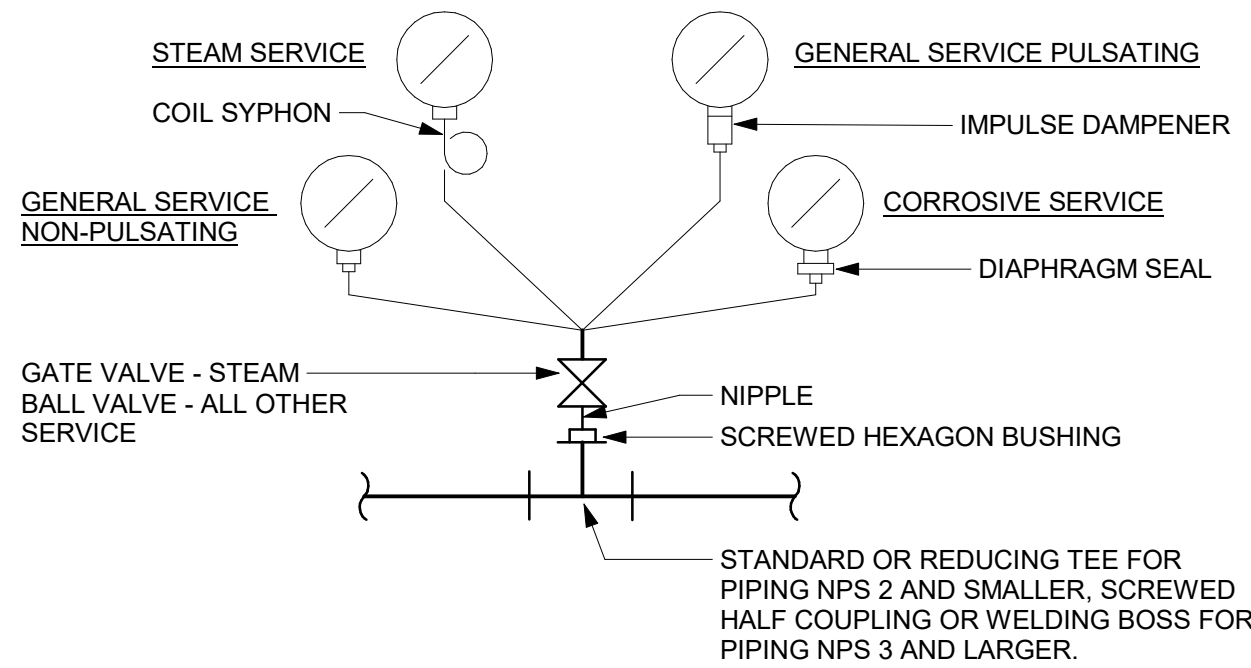
2 ACOUSTIC TREATMENT OF PIPE PENETRATION
OF MECHANICAL ROOM FLOOR SLAB
D3601 Scale: N.T.S.



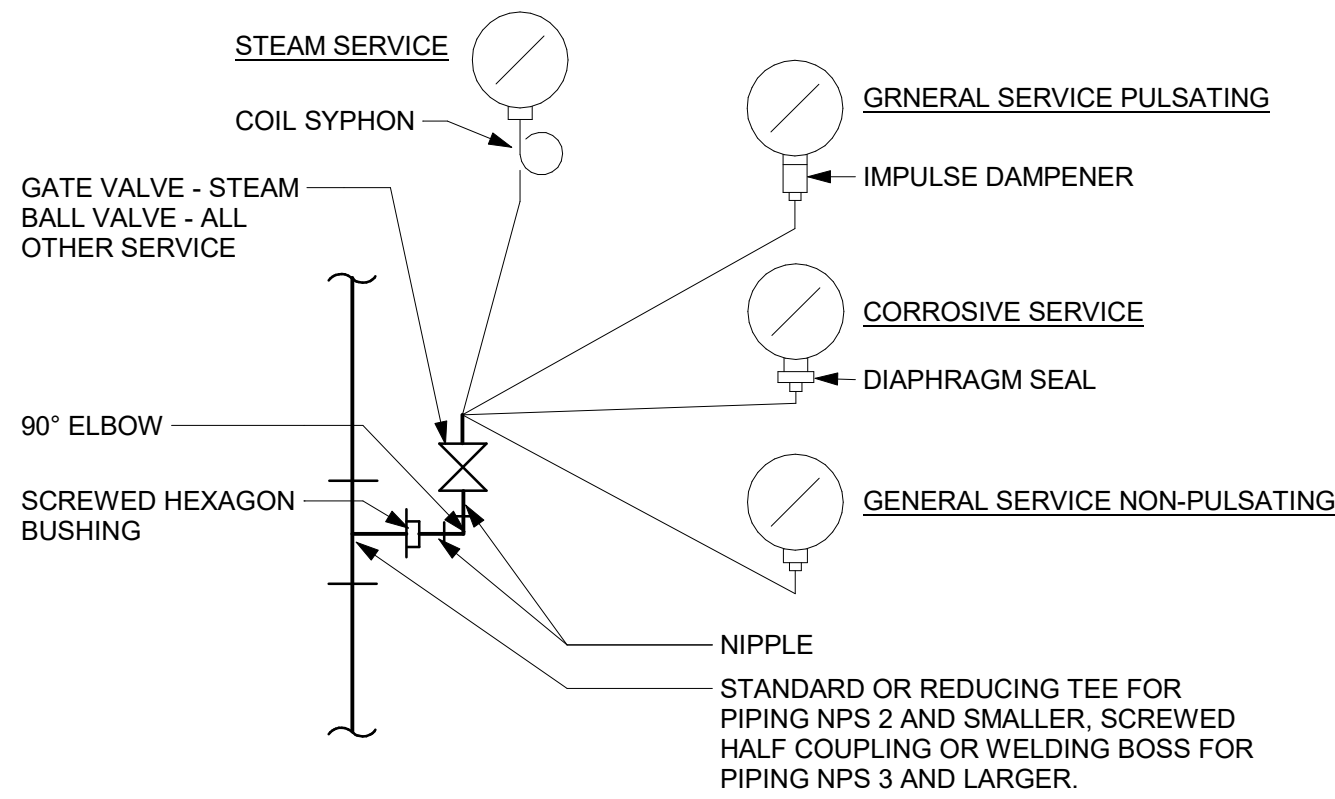
3 PIPE SLEEVE THROUGH FIRE RATED FLOOR SLAB
D3601 Scale: N.T.S.



4 PIPE SLEEVE THROUGH EXISTING FLOOR SLAB
D3601 Scale: N.T.S.

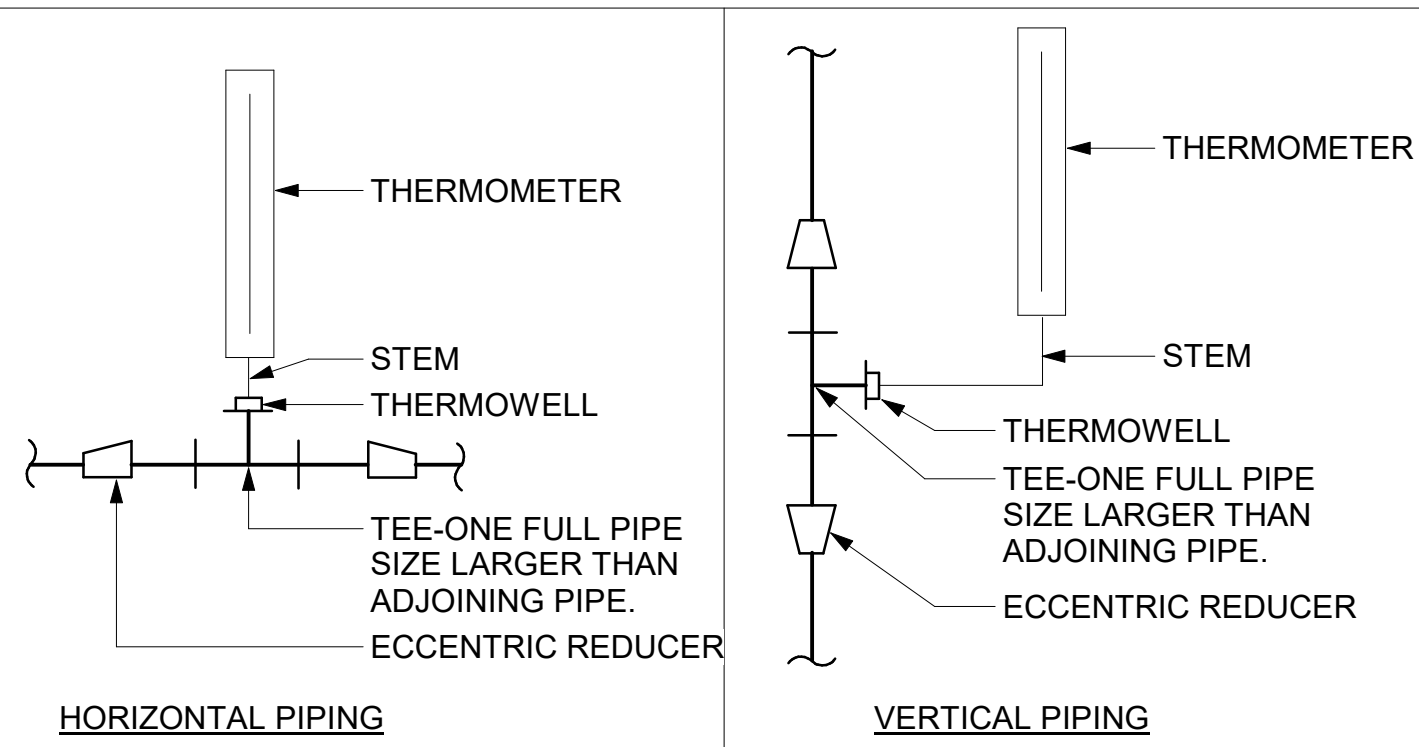


PRESSURE GAUGE MOUNTING - HORIZONTAL PIPING

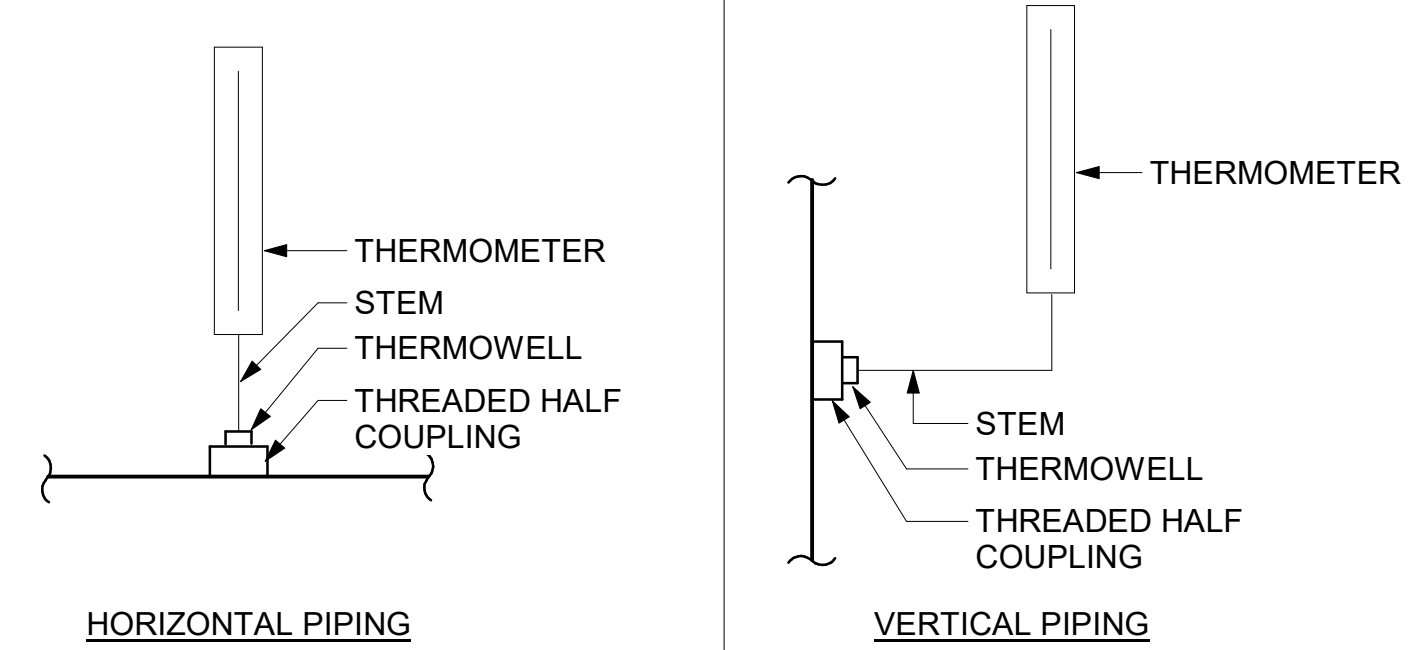


PRESSURE GAUGE MOUNTING - VERTICAL PIPING

5 PRESSURE GAUGES
D3601 Scale: N.T.S.



THERMOMETER MOUNTING - NPS 2-1/2 PIPE SIZE AND SMALLER



THERMOMETER MOUNTING - NPS 3 PIPE SIZE AND LARGER

6 TEMPERATURE GAUGES
D3601 Scale: N.T.S.

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No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-05-27
B	90% SUBMISSION	2021-09-07
C	ISSUED FOR PERMIT	2021-09-10
D	ISSUED FOR TENDER	2022-02-16

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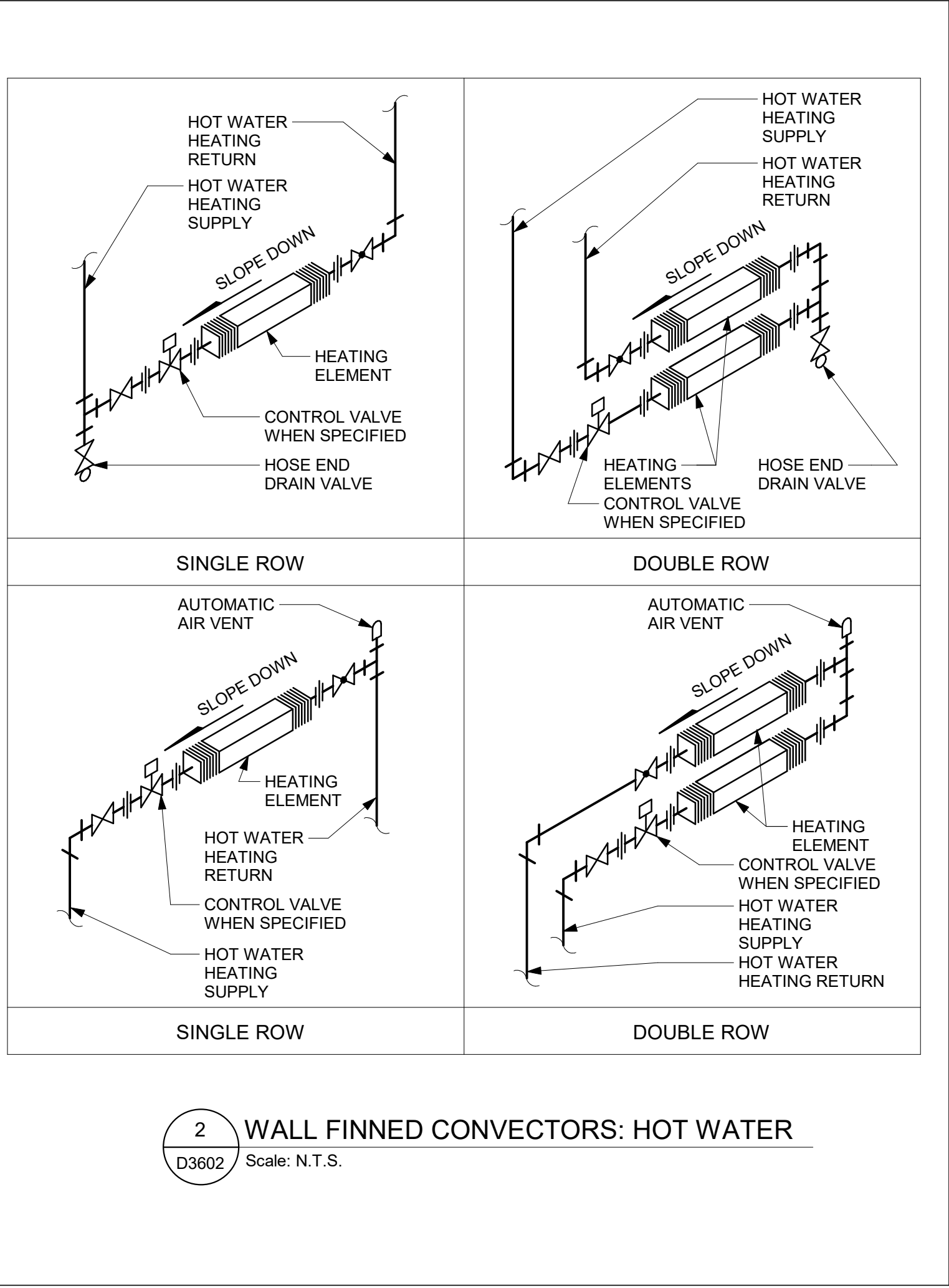
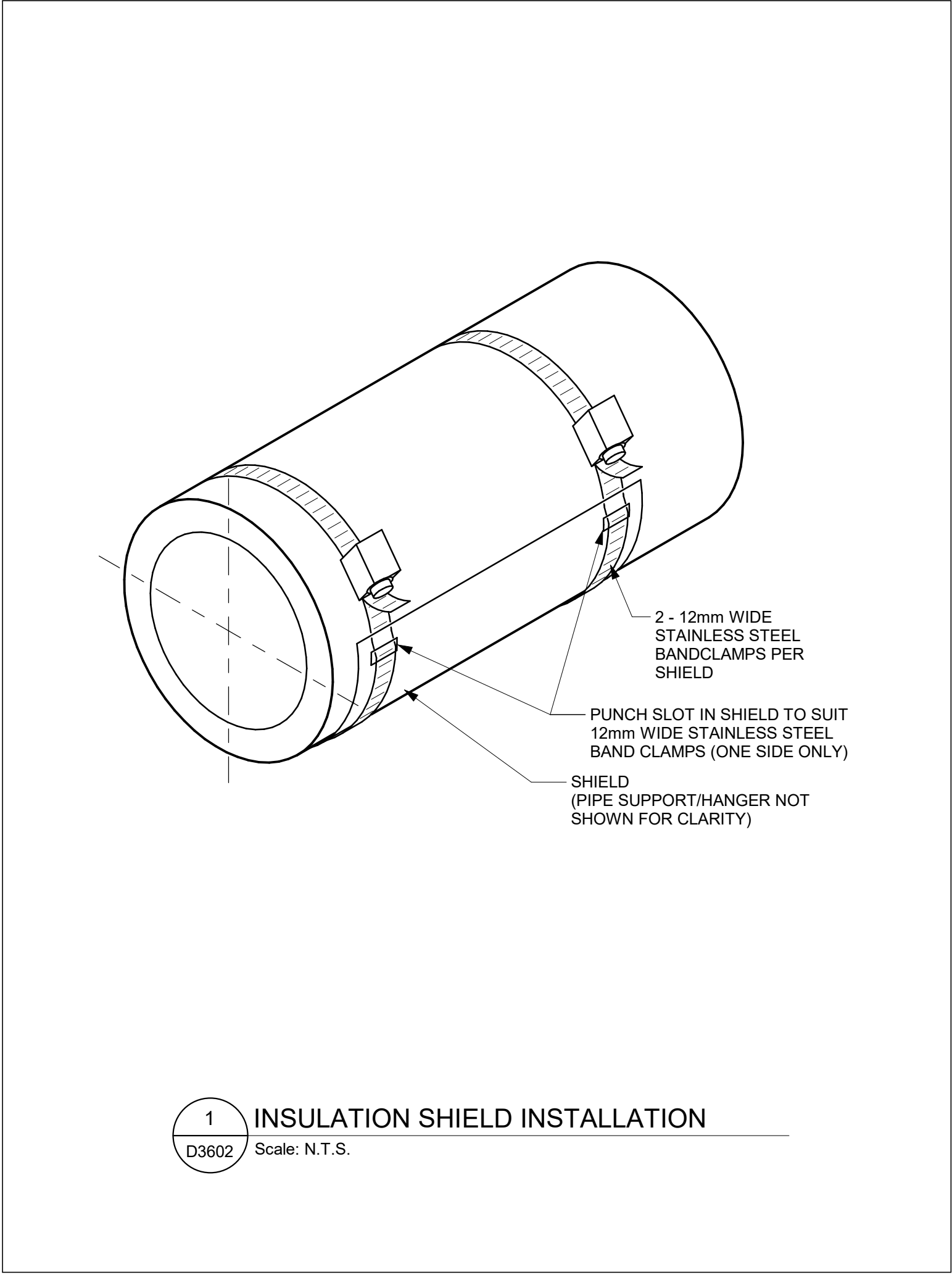
PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260
DRAWN BY:
N. KHOURY
CHECKED BY:
G. VERNESCU
PROJECT MGR:
L. SOSA
APPROVED BY:
B. LIAO


SHEET TITLE
**PIPING DETAILS
SHEET 1 OF 2**

SHEET NUMBER
G29-D3601
ISSUE
D



CLIENT

CITY OF TORONTO



55 John ST.
TORONTO, ON
M5V 3C6

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PROJECT TITLE

CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260

DRAWN BY:
N. KHOURY

CHECKED BY:
G. VERNESCU

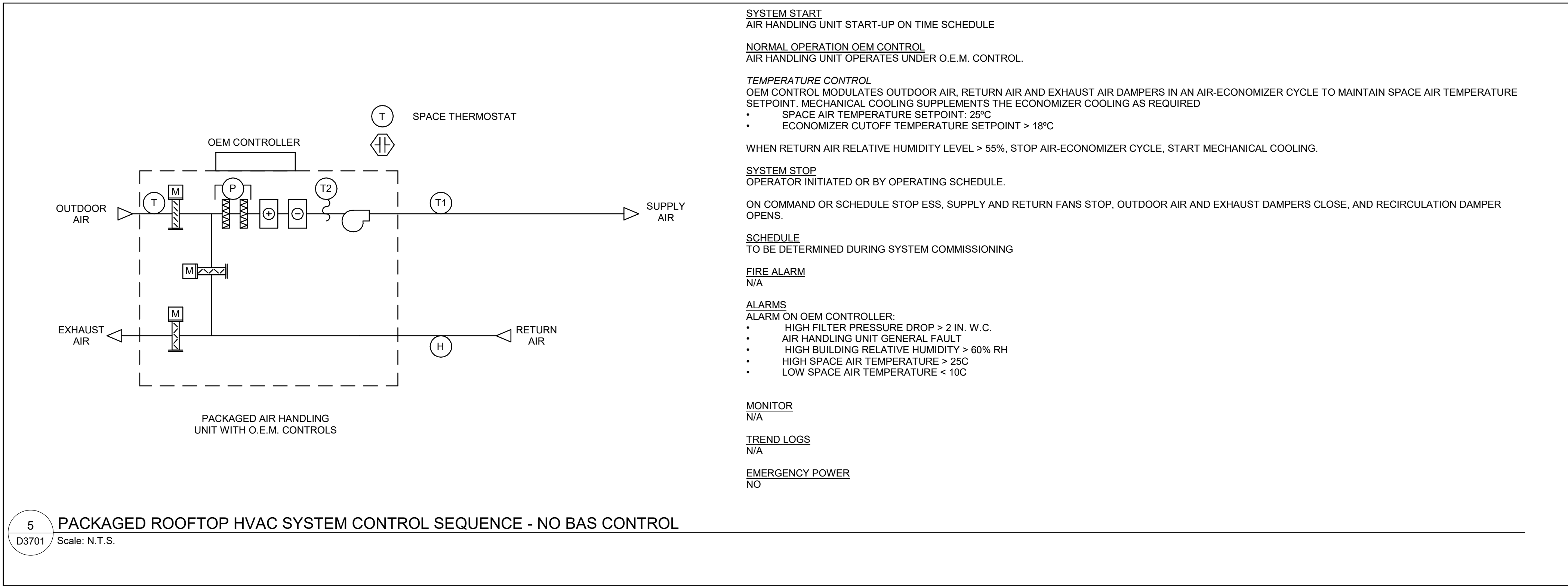
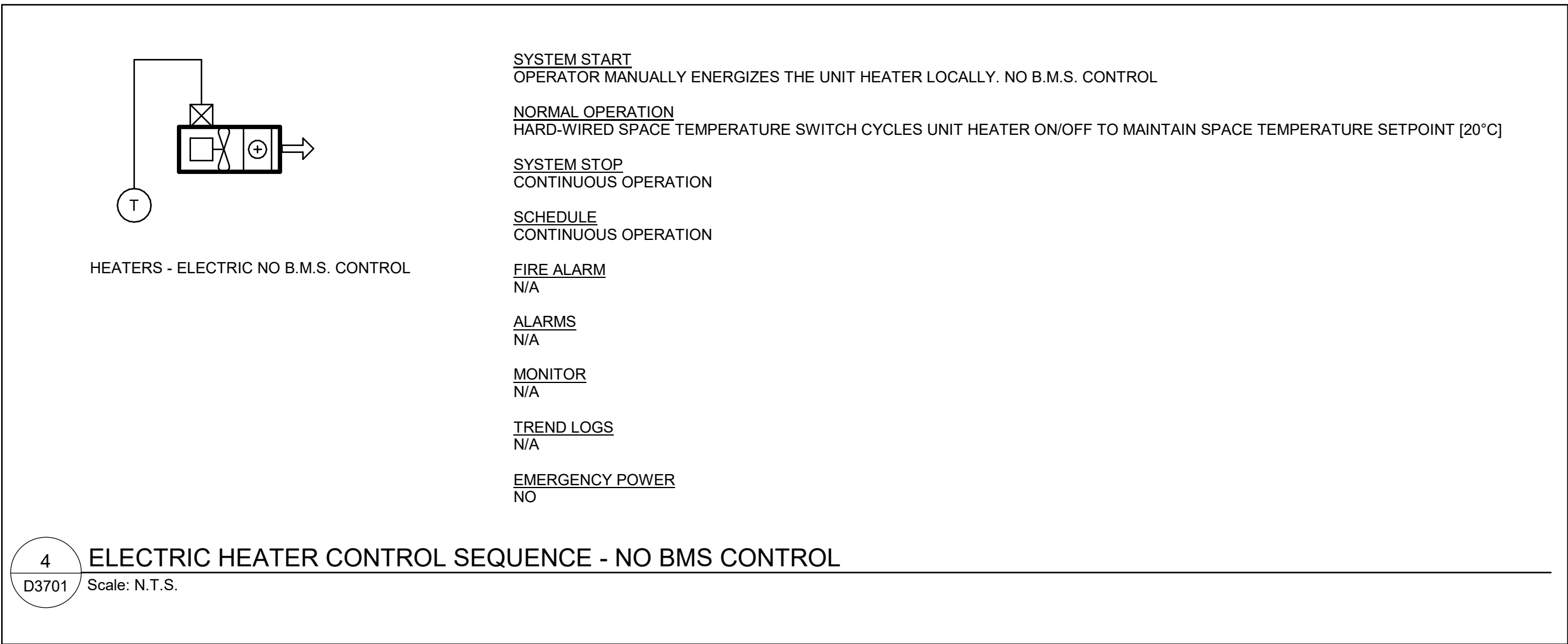
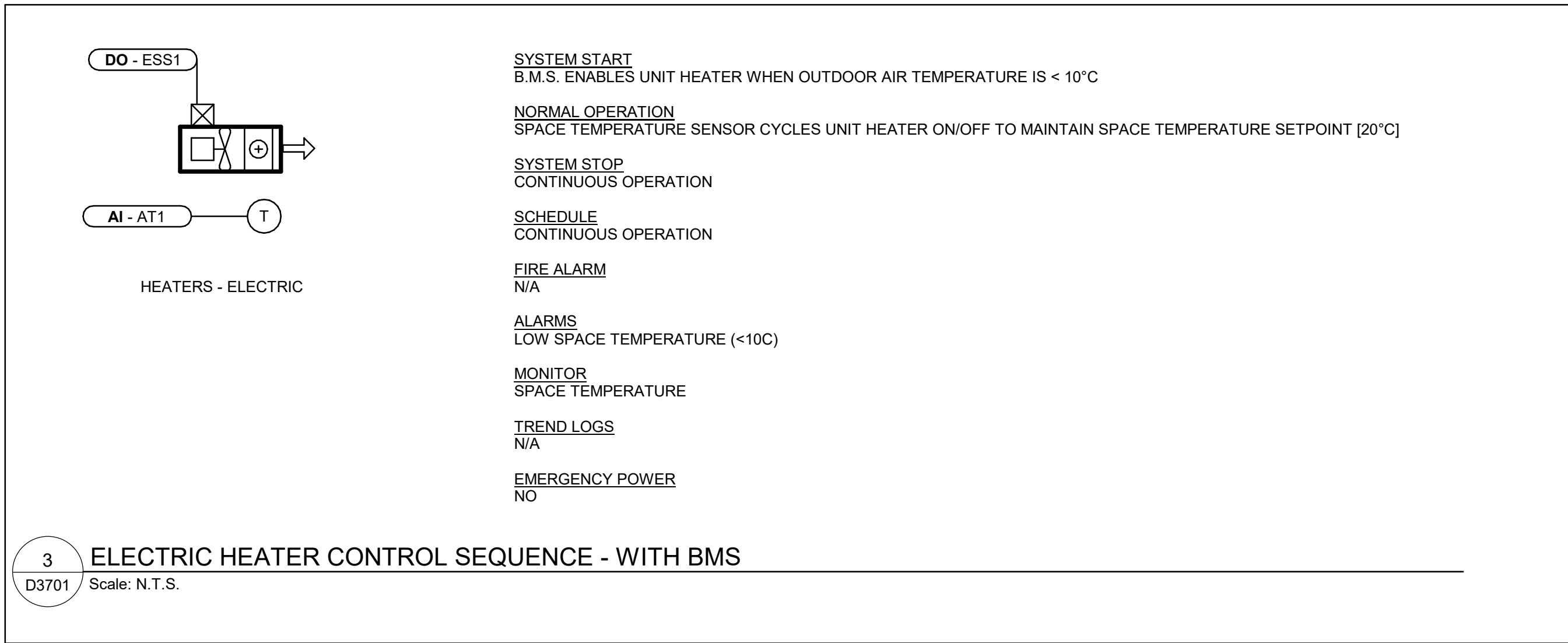
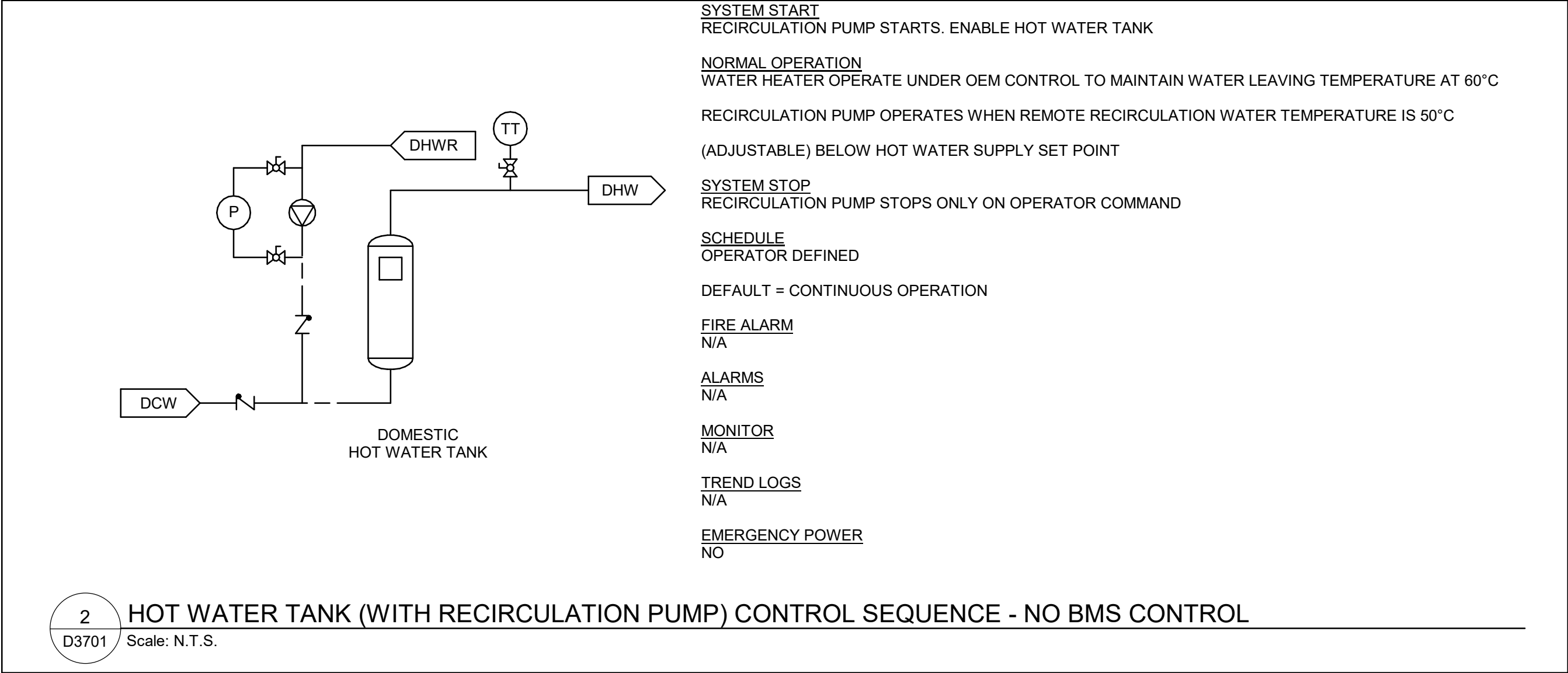
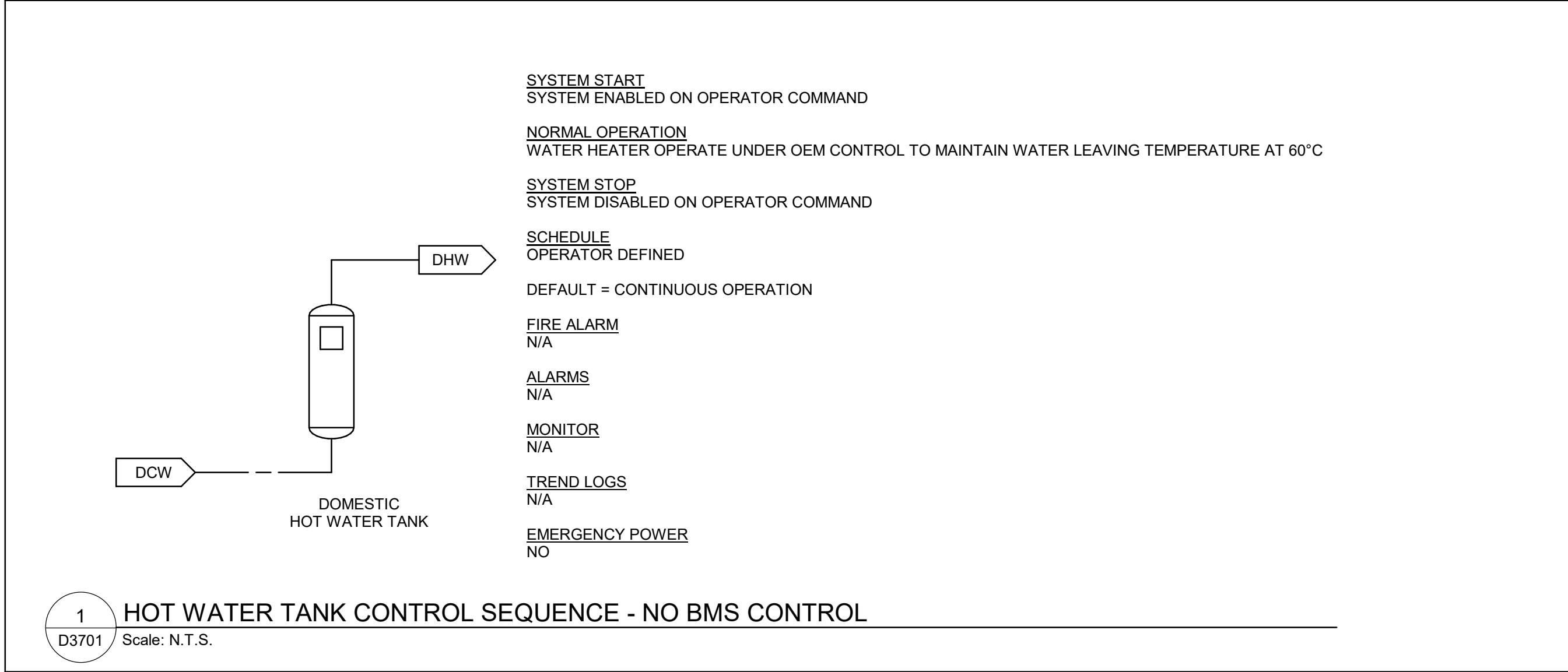
PROJECT MGR:
L. SOSA

APPROVED BY:
B. LIAO

SHEET TITLE

PIPING DETAILS
SHEET 2 OF 2

SHEET NUMBER	ISSUE
G29-D3602	D



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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119- 19- 0162 / IBI 122260

DRAWN BY:
N. KHOURY

CHECKED BY:
G. VERNESCU

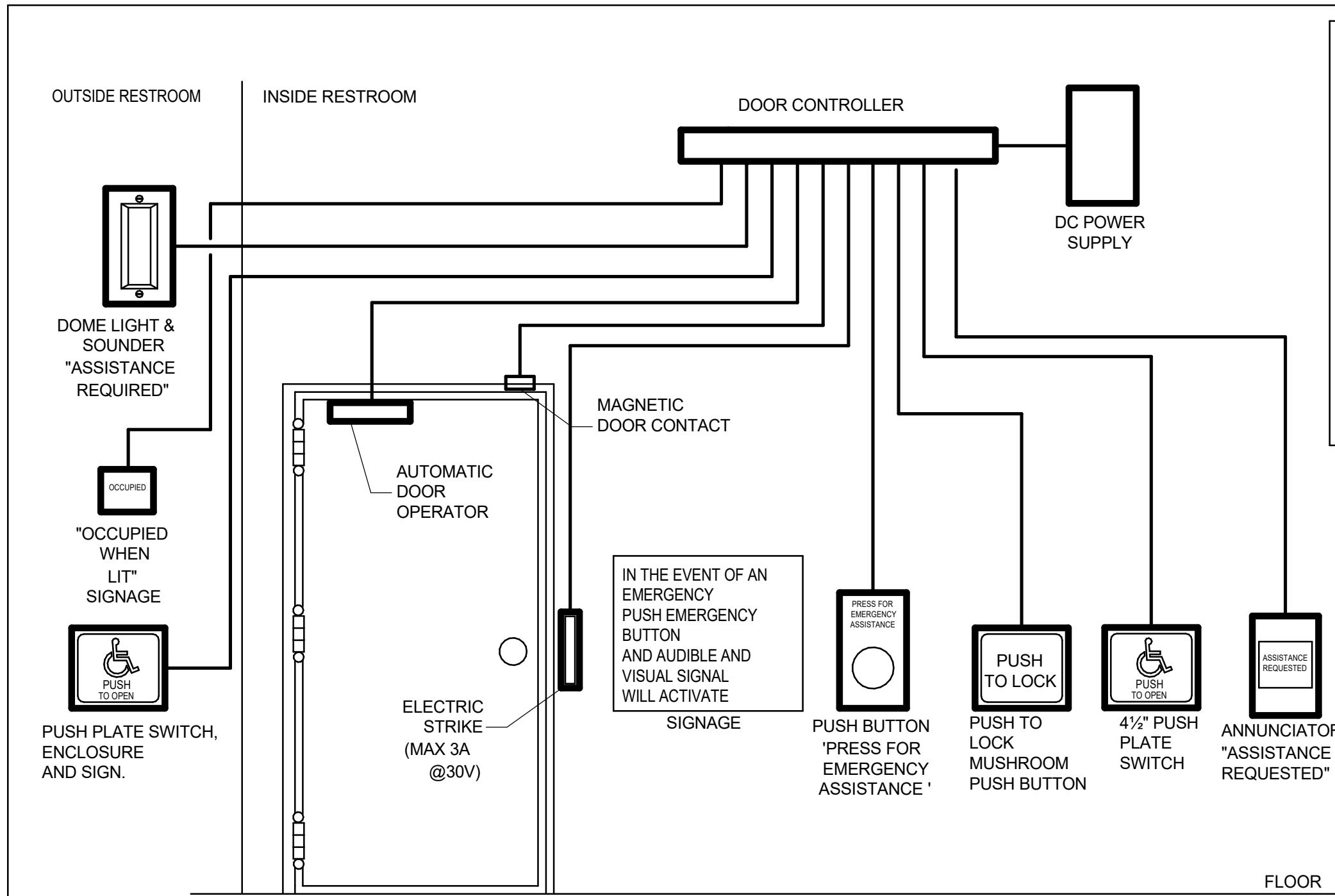
PROJECT MGR:
L. SOSA

APPROVED BY:
B. LIAO

SHEET TITLE
CONTROL DETAILS

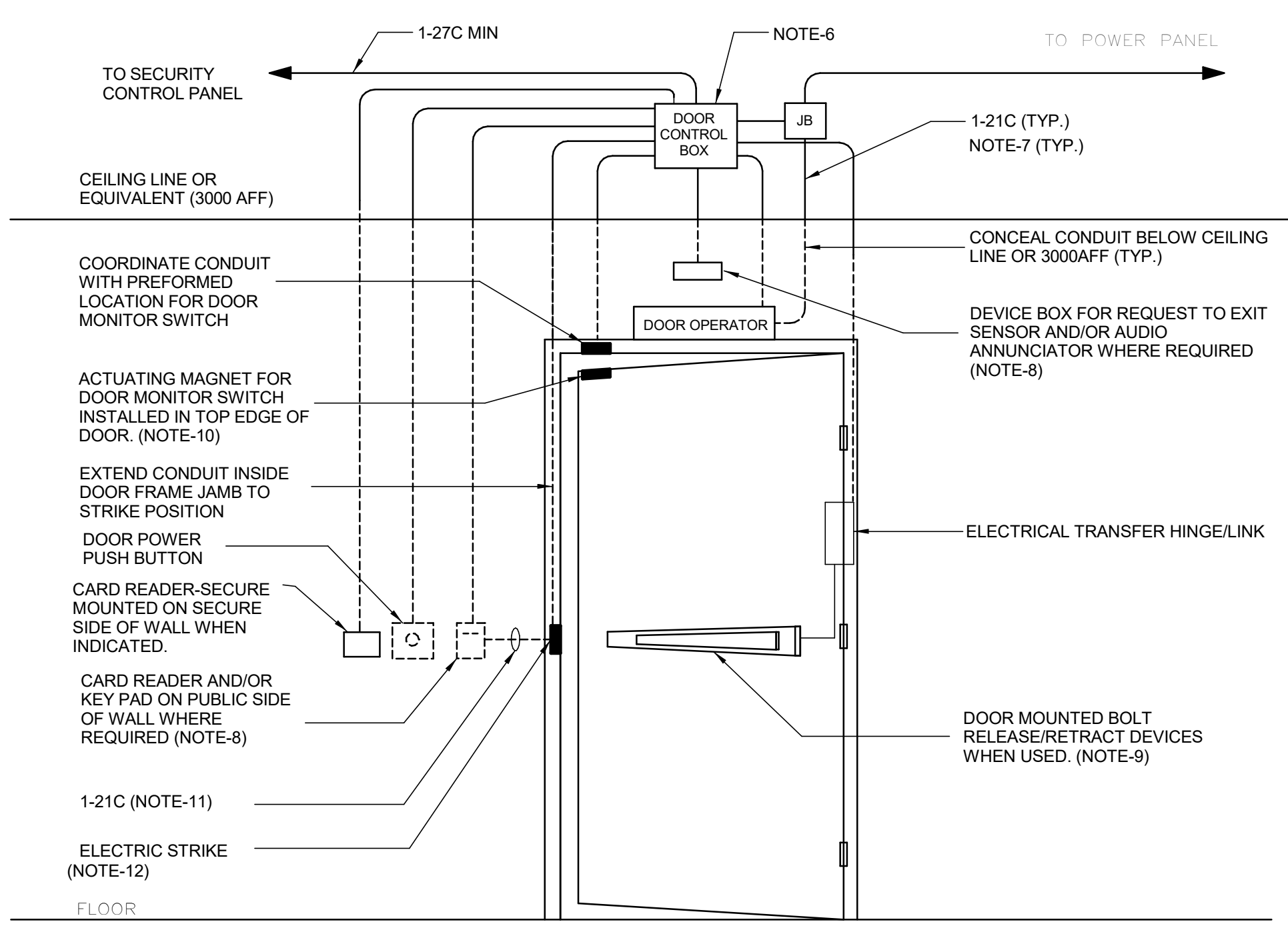
SHEET NUMBER
G29-D3701

ISSUE
A



- NOTES**
1. PROVIDE EMERGENCY CALL SYSTEM EQUIPMENT. PROVIDE EMPTY CONDUITS ONLY. COMPLETE WITH PULL STRINGS.
 2. BACK BOXES AND CONDUITS SHALL BE ACCORDING TO APPROVED SHOP DRAWINGS. CONDUITS SHALL BE EMT, MINIMUM SIZE 21mm DIA. CONTRACTOR TO COORDINATE.
 3. LOCATIONS OF DEVICES SHALL BE ACCORDING TO ARCHITECTURAL DRAWINGS. VERIFY EXACT LOCATION WITH THE ARCHITECT PRIOR TO ROUGHING-IN.
 4. PROVIDE DOOR OPERATOR. PROVIDE 120V CIRCUIT FOR POWER AND CONDUIT FOR CONTROL CONNECTIONS TO DOOR CONTROLLER AS REQUIRED.
 5. PROVIDE ELECTRIC STRIKE AND CONDUIT FOR CONNECTION TO DOOR CONTROLLER AS REQUIRED.

- SEQUENCE OF OPERATION:**
1. UPON PRESSING THE EXTERIOR PUSH PLATE, THE DOOR SHALL OPEN.
 2. AFTER ENTRY, THE OCCUPANT SHALL PRESS THE "PUSH TO LOCK" PUSH PLATE, AND LOCK THE DOOR VIA ELECTRIC STRIKE. THE EXTERNAL SIGNAGE WILL BE IN THE "OCCUPIED" STATE. PRESSING THE EXTERIOR PUSH PLATE WILL NOT HAVE ANY EFFECT.
 3. THE OCCUPANT WILL EXIT BY PRESSING THE INTERIOR UNIVERSAL SYMBOL FOR ACCESSIBILITY, WHICH WILL UNLOCK THE STRIKE, ACTIVATE THE DOOR OPERATOR AND AND RESET THE EXTERIOR SIGNAGE TO ITS "UNOCCUPIED" STATE. SIMILARLY, THE OCCUPANT MIGHT TURN THE DOOR HANDLE, AND OPEN THE DOOR. THE MAGNETIC DOOR CONTACT WILL REGISTER THIS AS A DOOR OPEN STATUS, AND RESET THE EXTERIOR SIGNAGE TO ITS "UNOCCUPIED" STATE AND RELEASE THE ELECTRIC STRIKE.
- IF THE EMERGENCY 'PUSH/PULL' MUSHROOM IS DEPRESSED, THE EXTERIOR DOME LIGHT AND SOUNDER WILL ACTIVATE IN CONJUNCTION WITH THE INTERIOR ANNUNCIATOR AND SOUNDER. AT THE SAME TIME, THE DOOR STRIKE WILL RELEASE AND RESET THE EXTERIOR SIGNAGE TO ITS "UNOCCUPIED" STATE
4. THE INTERIOR AND EXTERIOR REQUEST FOR EMERGENCY ASSISTANCE AUDIBLE AND VISUAL SIGNAL DEVICES WILL DEACTIVATE UPON RELEASE (PULL) OF THE MUSHROOM PUSHBUTTON. THE DOOR STRIKE WILL REMAIN UNLOCKED AND THE EXTERIOR SIGNAGE WILL BE IN ITS "UNOCCUPIED" STATE.



- 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 SCHEDULE.
 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 CONSTRUCTION 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

Scale: 1 : 1

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ISSUES		
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B	90% SUBMISSION	2021-12-17
C	PERMIT SUBMISSION	2021-12-17
D	ISSUED FOR TENDER	2022-02-16

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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:
9119-19-0162 / IBI 122260

DRAWN BY: V. MAC	CHECKED BY: M. BOJIC
PROJECT MGR: L. SOSA	APPROVED BY: P. WILLIAMS

SHEET TITLE
ELECTRICAL DETAILS 1

SHEET NUMBER 031-D4001	ISSUE D
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CITY OF TORONTO ACCESSIBILITY UPGRADES

9119-19-0162 / IBI 22260

Fire Hall No. 324
840 Gerrard St. E.

GROUP 29
SEQ 307



ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-10-05
B	90% SUBMISSION	2021-12-17
C	PERMIT SUBMISSION	2021-12-17
D	ISSUED FOR TENDER	2022-02-16

CITY OF TORONTO
ACCESSIBILITY UPGRADES
PROGRAM GROUP 29

NOT FOR CONSTRUCTION

ISSUED FOR TENDER

PROJECT NO: 9119-19-0162 / IBI 22260	
DATE: 2022-02-16	
SHEET NUMBER G29-307-G0001	ISSUE D

GENERAL DRAWING INDEX	
SHEET NUMBER	SHEET NAME
G0001	COVER SHEET
G0002	DRAWING LIST

ARCHITECTURAL DRAWING INDEX	
SHEET NUMBER	SHEET NAME
A1201	SITE PLAN
A2011	FIRST & SECOND FLOOR STAGING PLAN
A2111	FIRST FLOOR DEMOLITION PLAN
A2121	SECOND FLOOR DEMOLITION PLAN
A2411	FIRST & SECOND FLOOR PROPOSED PLAN
A2412	BASEMENT PROPOSED PLAN & ENTRANCE DOOR DETAIL
A5011	WASHROOM PLANS/ RCP/ ELEVATIONS
A5211	STAIR & RAMP - PLAN/ SECTION
A9001	DOOR AND ROOM FINISH SCHEDULES

STRUCTURAL DRAWING INDEX	
SHEET NUMBER	SHEET NAME
S0001	DRAWING LIST
S1201	SITE PLAN
S2501	FIRST FLOOR PLAN - WASHROOM
S2502	RAMP PLAN, DETAILS & SECTION
S2503	FIRST FLOOR PLAN - ENTRANCE DOOR

MECHANICAL DRAWING INDEX	
SHEET NUMBER	SHEET NAME
M0001	MECHANICAL DRAWING LIST
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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CITY OF TORONTO



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

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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

Fire Hall No. 324
840 Gerrard St. E.

PROJECT NO:
9119-19-0162 / IBI 22260
DRAWN BY:
R. ZAHIROVIC / K.B
PROJECT MGR:
L. SOSA
CHECKED BY:
K. TILAHUN
APPROVED BY:
M. KUO

SHEET TITLE
DRAWING LIST

SHEET NUMBER
G29-307-G0002

ISSUE
D

Firm Name: IBI GROUP ARCHITECTS (CANADA) INC. CERTIFICATE OF PRACTICE NUMBER 5605 100-175 Galaxy Boulevard Toronto, ON M9W 0C9 T 416 679 1930 F 416 675 4620				Name of Project FIRE HALL NO. 324 Location 840 GERRARD ST E TORONTO ON M4M 1Y7			
ITEM	Ontario's 2012 Building Code Data Matrix Part 3 or 9					REMARKS	
	References are to Division B unless noted (A) for Division A or (C) for Division C						
1.	PROJECT DESCRIPTION <div><input type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> CHANGE OF USE <input checked="" type="checkbox"/> Alteration</div>	<input checked="" type="checkbox"/> PART 11 11.1 to 11.4	<input checked="" type="checkbox"/> PART 3 1.1.2. [A]	<input type="checkbox"/> PART 9 1.1.2. [A] & 9.10.1.3.			
2.	MAJOR OCCUPANCY(S) GROUP F2 - MEDIUM HAZARD INDUSTRIAL OCCUPANCIES OCCUPANIES SUBSIDIARY OCCUPANCY(S) GROUP D - BUSINESS AND PERSONAL SERVICE OCCUPANIES		3.1.2.1. (1)	9.10.2.		EXISTING NO CHANGE	
3.	BUILDING AREA (m²) EXISTING - 900.7 NEW - TOTAL - 900.7		1.4.1.2. [A]	1.4.1.2. [A]			
4.	GROSS AREA (m²) EXISTING - 1,056.5 NEW - TOTAL - 1,056.5		1.4.1.2. [A]	1.4.1.2. [A]		EXISTING NO CHANGE	
5.	NUMBER OF STOREYS ABOVE GRADE - 2 BELOW GRADE - 1 <u>PARTIAL</u>		1.4.1.2. [A] & 3.2.1.1.	1.4.1.2. [A] & 9.10.4.			
6.	NUMBER OF STREETS/FIRE FIGHTER ACCESS - 1	<u>EXISTING NO CHANGE</u>	3.2.2.10. & 3.2.5.	9.10.20.			
7.	BUILDING CLASSIFICATION - <u>EXISTING NO CHANGE</u>		3.2.2.67.	9.10.2.			
8.	SPRINKLER SYSTEM PROPOSED <div><input type="checkbox"/> ENTIRE BUILDING <input type="checkbox"/> SELECTED COMPARTMENTS <input type="checkbox"/> SELECTED FLOOR AREAS <input type="checkbox"/> BASEMENT <input type="checkbox"/> IN LIEU OF ROOF RATING <input type="checkbox"/> NOT REQUIRED</div>		3.2.2.67 3.2.1.5 3.2.2.17 INDEX	9.10.8.2 INDEX		EXISTING NO CHANGE	
9.	STANDPIPE REQUIRED <input type="checkbox"/> YES <input type="checkbox"/> NO STANDPIPE PROVIDED <input type="checkbox"/> YES <input type="checkbox"/> NO		3.2.9.	N/A		EXISTING NO CHANGE	
10.	FIRE ALARM REQUIRED <input type="checkbox"/> YES <input type="checkbox"/> NO FIRE ALARM PROVIDED <input type="checkbox"/> YES <input type="checkbox"/> NO		3.2.4.	9.10.18.		EXISTING NO CHANGE	
11.	WATER SERVICE/SUPPLY IS ADEQUATE <input type="checkbox"/> YES <input type="checkbox"/> NO		3.2.5.7.	N/A		EXISTING NO CHANGE	
12.	HIGH BUILDING <input type="checkbox"/> YES <input type="checkbox"/> NO		3.2.6.	N/A			
13.	CONSTRUCTION RESTRICTIONS <input type="checkbox"/> COMBUSTIBLE <input type="checkbox"/> NON-COMBUSTIBLE <input type="checkbox"/> BOTH PERMITTED REQUIRED ACTUAL CONSTRUCTION <input type="checkbox"/> COMBUSTIBLE <input type="checkbox"/> NON-COMBUSTIBLE <input type="checkbox"/> BOTH		3.2.2.67.	9.10.6.		EXISTING NO CHANGE	
14.	MEZZANINE (S) AREA m²	N/A	3.2.1.1. (3) - (8)	9.10.4.1.			
15.	OCCUPANT LOAD BASED ON <input type="checkbox"/> m²/PERSON <input checked="" type="checkbox"/> DESIGN OF BUILDING		3.1.17.	4.9.13.		EXISTING NO CHANGE	
	1ST FLOOR: OCCUPANCY _____ LOAD ____ PERSONS 2ND FLOOR: OCCUPANCY _____ LOAD ____ PERSONS MEZZANINE FLOOR: OCCUPANCY _____ LOAD ____ PERSONS						
16.	BARRIER FREE DESIGN <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (EXPLAIN)		3.8.	9.5.2.		ONLY PROPOSED AREA OF WORK - COMPLIANT WITH CITY OF TORONTO ACCESSIBILITY DESIGN GUIDELINE DRAFT 2016 WHEN POSSIBLE	
17.	HAZARDOUS SUBSTANCES <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3.3.1.2 & 3.3.1.19	9.10.1.3.(4)			
18a.	REQUIRED FIRE RESISTANCE RATING (FRR)	HORIZONTAL ASSEMBLIES FRR (HOURS) FLOORS <u>NO CHANGE</u> ROOF <u>NO CHANGE</u> MEZZANINE N/A	LISTED DESIGN NO. OR DESCRIPTION (SB-2) 3.2.2.67. & 3.2.1.4.	9.10.8. 9.10.9.			

ITEM	Ontario's 2012 Building Code Data Matrix Part 3 or 9									REMARKS		
	References are to Division B unless noted (A) for Division A or (C) for Division C											
18b.	REQUIRED FIRE RESISTANCE RATING (FRR)	FRR OF SUPPORTING MEMBERS FLOORS <u>NO CHANGE</u> ROOF <u>NO CHANGE</u> MEZZANINE	LISTED DESIGN NO. OR DESCRIPTION (SB-2)			SB-2 TABLE 2.1.1. SB-2 TABLE 2.1.1.						
19.	SPATIAL SEPARATION - CONSTRUCTION OF EXTERIOR WALLS											
	WALL	AREA OF EBF (m²)	LD (M)	L/H OR H/L	PERMITTED MAX. % OF OPENINGS	PROPOSED % OF OPENINGS	FRR (HOURS)	LISTED DESIGN OR DESCRIPTION	COMB. CONST.	COMB. CONST. NON-C. GLAZING	NON-COMB. CONST.	EXISTING NO CHANGE
	NORTH				-	0	-	-	-	-		
	SOUTH				-	0	-	-	-	-		
	EAST				-	0	-	-	-	-		
	WEST				-	0	-	-	-	-		
20.	PLUMBING FIXTURE REQUIREMENTS											
	MALE / FEMALE COUNT @ EXCEPT AS NOTED OTHERWISE % / % EXISTING NO CHANGE									OBC REFERENCE <input checked="" type="checkbox"/> PART 3 <input type="checkbox"/> PART 9		
	MAJOR OCCUPANCY _____		OCCUPANT LOAD		OBC TABLE NUMBER		FIXTURES REQUIRED		FIXTURES PROVIDED			
			X MALE		3.7.4.9.		X		X		3.7.4.9.	
			X FEMALE		3.7.4.9.		X		X		3.7.4.9.	
21.	EXITS/ ACCESS TO EXIT-											EXISTING NO CHANGE
22.	OTHER (DESCRIBE) -											
ITEM	Ontario Building Code Data Matrix - Part 11 - Renovation of Existing Building								OBC REREFERENCE	REMARKS		
11.1	EXISTING BUILDING CLASSIFICATION:	DESCRIBE EXISTING USE: CONSTRUCTION INDEX: HAZARD INDEX: <input checked="" type="checkbox"/> NOT APPLICABLE (NO CHANGE OF MAJOR OCCUPANCY)						11.2.1. TABLE 11.2.1.1.A. TABLE 11.2.1.1.B. TO N				
11.2	ALTERATION TO EXISTING BUILDING IS:	BASIC RENOVATION <input checked="" type="checkbox"/> EXTENSIVE RENOVATION <input type="checkbox"/>						11.3.3.1. 11.3.3.2.				
11.3	REDUCTION IN PERFORMANCE LEVEL:	STRUCTURAL: BY INCREASE IN OCCUPANT LOAD: BY CHANGE OF MAJOR OCCUPANCY: PLUMBING: SEWAGE SYSTEM:						<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	11.4.2. 11.4.2.1. 11.4.2.2. 11.4.2.3.			
11.4	COMPENSATING CONSTRUCTION:	STRUCTURAL: BY INCREASE IN OCCUPANT LOAD: BY CHANGE OF MAJOR OCCUPANCY: PLUMBING: SEWAGE SYSTEM:						<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)	11.4.3 11.4.3.2 11.4.3.3 11.4.3.4 11.4.3.5 11.4.3.6			
11.5	COMPLIANCE ALTERNATIVES PROPOSED:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (GIVE NUMBERS)						11.5.1				



1 SITE PLAN
A1201 Scale: 1 : 100



2 KEY PLAN
A1201 Scale: NTS

SITE LEGEND



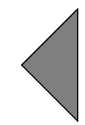
NEW BARRIER FREE PARKING
SPACE - REFER TO DETAIL
1/D1701 & 5/D1701



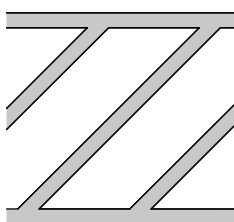
ACCESSIBLE PARKING SIGN ON
POST - REFER TO DETAIL 2/D1702



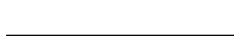
EXISTING MAIN ENTRANCE



EXISTING EXIT TO REMAIN



NEW PAINTED LINE MARKING
DETAIL - REFER TO DETAIL 3/D1701



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



DASHED AREA INDICATES
AREA OF WORK

SITE PLAN GENERAL NOTES

- 1 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.
- 2 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.
- 3 VERIFY ALL UNDERGROUND BURIED UTILITIES PRIOR TO DIGGING AND REPORT ANY CONFLICTS TO THE CONSULTANT.

DEMOLITION KEY NOTES

- | NO | DESCRIPTION |
|----|--|
| 11 | REMOVE EXISTING GUARDRAIL, HANDRAIL AND HANDRAIL POST BASE. PATCH AND MAKE GOOD ALL SURFACES. |
| 25 | DEMOLISH EXISTING CONCRETE STAIR OR RAMP. REMOVE DEBRIS AND PREPARE FOR NEW STAIR OR RAMP. PROVIDE SMOOTH TRANSITION BETWEEN SURFACES AND PROTECT SURROUNDING AREAS DURING THE WORK. |

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C	PERMIT SUBMISSION	2021-12-17
D	ISSUED FOR TENDER	2022-02-16

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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

Fire Hall No. 324
840 Gerrard St. E.

PROJECT NO:
9119-19-0162 / IBI 22260

DRAWN BY:
R. ZAHIROVIC / K.B

CHECKED BY:
K. TILAHUN

PROJECT MGR:
L. SOSA

APPROVED BY:
M. KUO

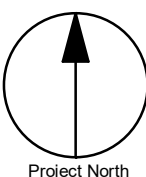
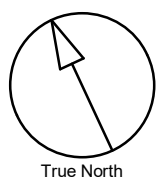
SHEET TITLE
SITE PLAN

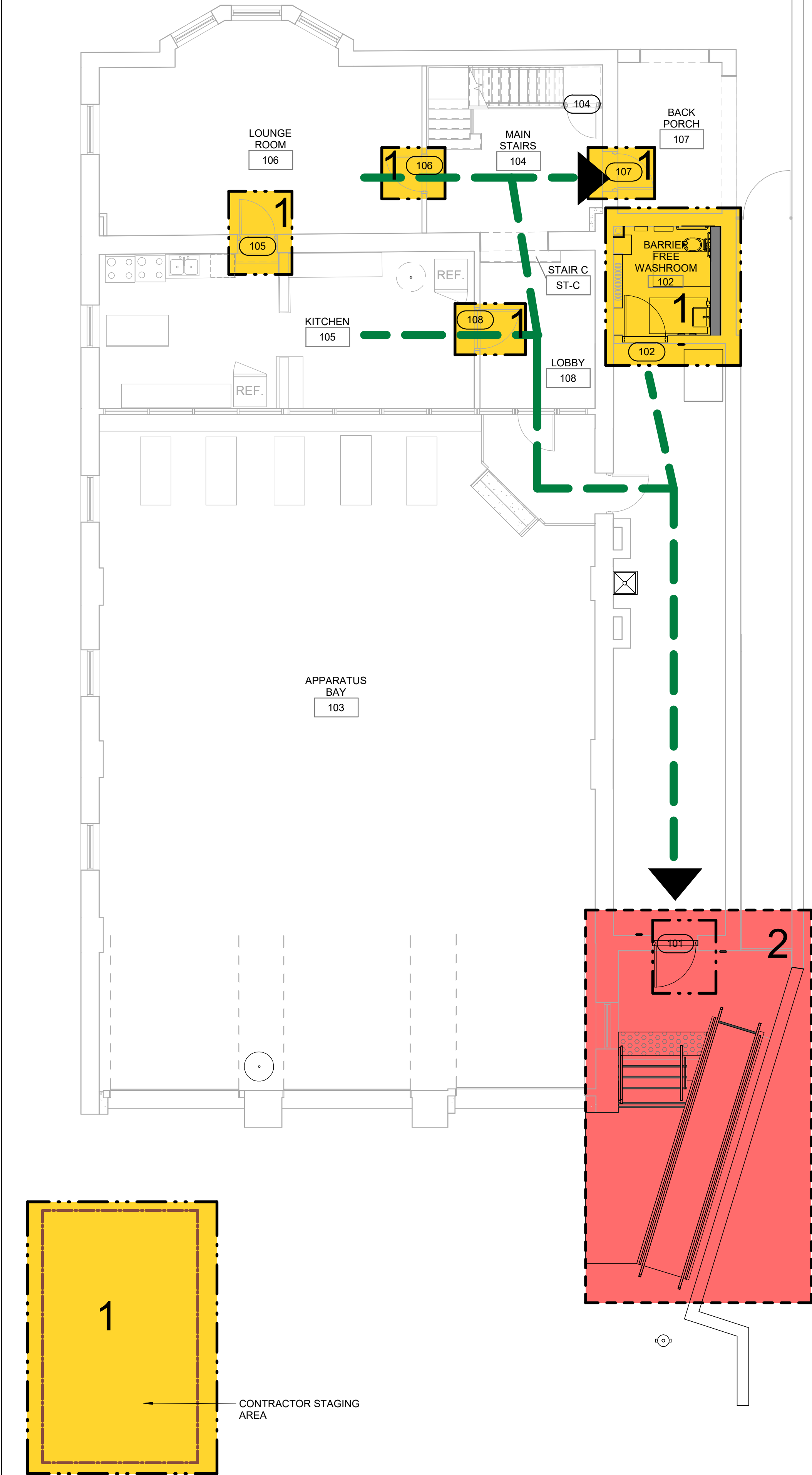
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G29-307-A1201

ISSUE

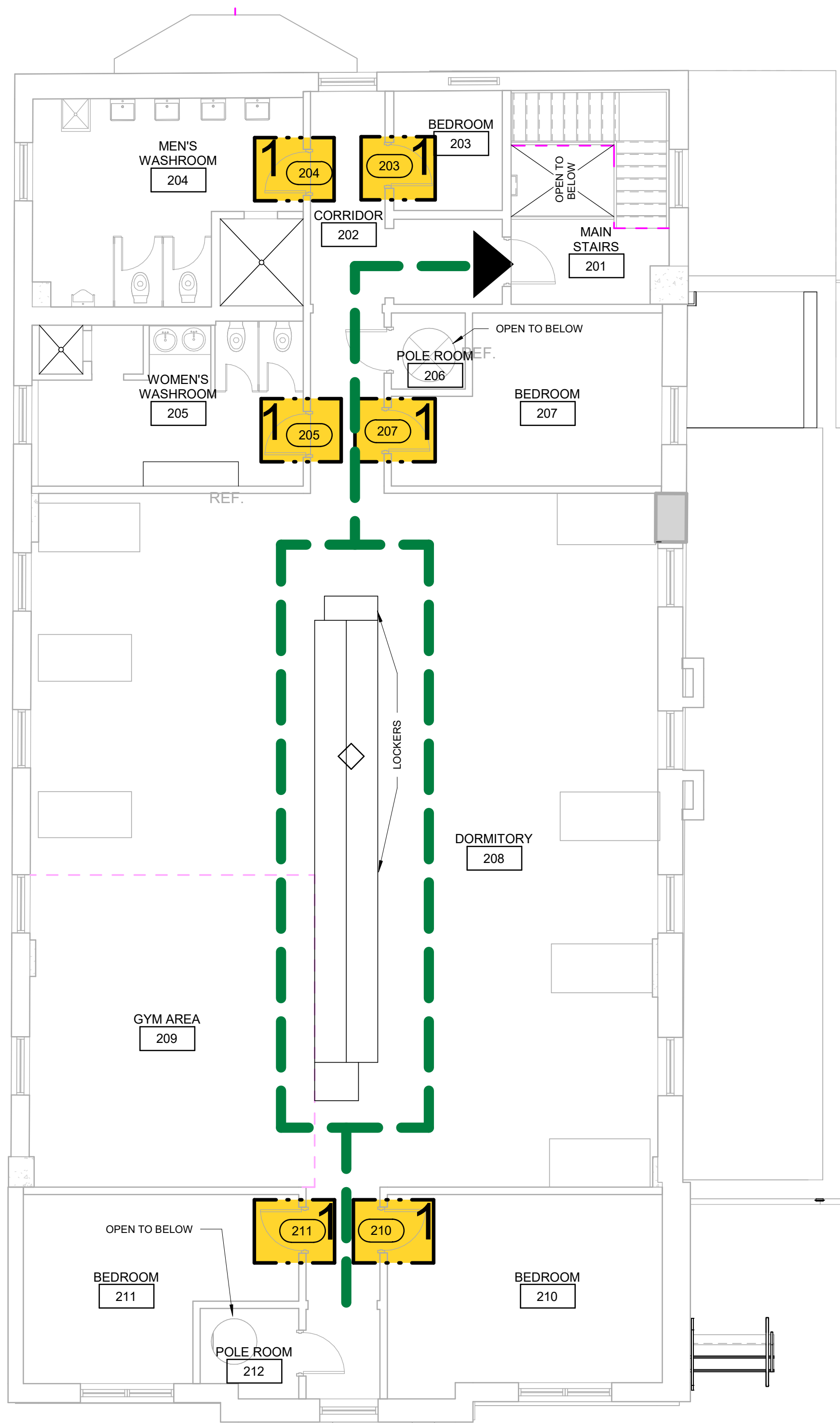
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1 FIRST FLOOR-STAGING PLAN
A2011 Scale: 1 : 75

Scale 1:75
0 1.5 3 7.50 m



2 SECOND FLOOR-STAGING PLAN
A2011 Scale: 1 : 75

CONSTRUCTION STAGING LEGEND

- STAGE 1
STAGE 2
EMERGENCY EXIT
TRAVEL PATH

STAGING GENERAL NOTES

- EXISTING FACILITY WILL REMAIN OPERATIONAL DURING CONSTRUCTION. CONSTRUCTION WORKS CANNOT IMPACT FACILITY OPERATION WITHOUT FIRST NOTIFYING AND CONSULTING WITH THE OWNER.
- ALL STAGES ARE TO BE COMPLETED IN SEQUENTIAL ORDER.
- IF AN EXISTING EXIT WILL BE BLOCKED DUE TO CONSTRUCTION THE GC IS TO PROVIDE A TEMPORARY EXIT BASED ON THE ARCHITECT'S APPROVED DESIGN AND LOCATION. 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.
- IF EXISTING FIRE ALARM SYSTEM NEEDS TO BE TEMPORARILY INTERRUPTED TO COMPLETE THE WORK, A FULL TIME FIRE WATCH SHALL BE PROVIDED.
- CONTRACTOR SHALL ALLOW FOR THE FOLLOWING:
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 WORKS.
- 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.
- KEEP EXITS CLEAR FROM OBSTRUCTIONS DURING CONSTRUCTION.

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9119-19-0162 / IBI 22260

DRAWN BY: R. ZAHIROVIC / K.B	CHECKED BY: K. TILAHUN
PROJECT MGR: L. SOSA	APPROVED BY: M. KUO

SHEET TITLE
FIRST & SECOND FLOOR
STAGING PLAN

SHEET NUMBER

G29-307-A2011

ISSUE

D

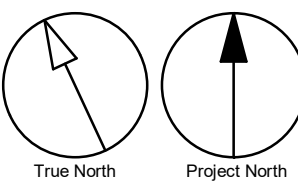




PHOTO 5



PHOTO 3



PHOTO 4



PHOTO 1



PHOTO 2



PHOTO 15



PHOTO 14



PHOTO 13



PHOTO 12

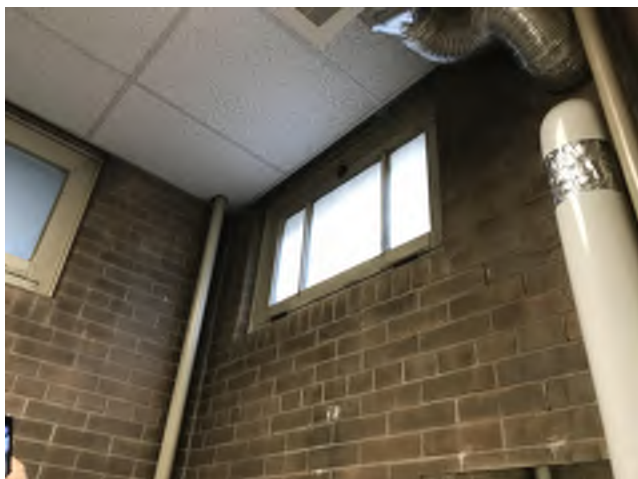


PHOTO 11



PHOTO 10



PHOTO 9



PHOTO 8



PHOTO 7

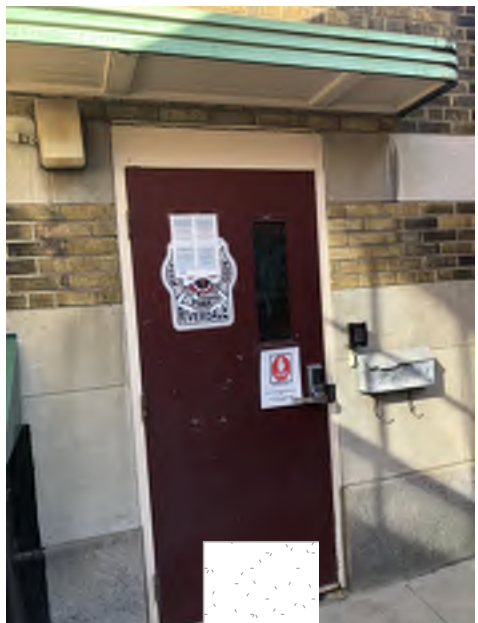


PHOTO 6



PHOTO 7

DEMOLITION KEY LEGEND

- EXISTING TO BE DEMOLISHED
- EXISTING INTERIOR PARTITION TO BE DEMOLISHED
- ===== EXISTING EXTERIOR WALL TO REMAIN
- ===== EXISTING PARTITION TO REMAIN
- EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE TO BE REMOVED
- EXISTING DOOR TO REMAIN
- DASHED AREA INDICATES AREA OF WORK

DEMOLITION GENERAL NOTES

- REMOVE ALL EXISTING TACTILE SURFACE INDICATORS (WALKING ATTENTION INDICATOR, TEXTURAL WARNING STRIP, NOSING STRIP AND HAZARD STRIP ON HANDRAIL) INCLUDING ADHESIVE MATERIAL AND FASTENING SYSTEM. MAKE GOOD SURFACE TO RECEIVE NEW TACTILE SURFACE INDICATORS IN LOCATIONS SHOWN. INCREASE DEPTH AND EXTENT OF EXISTING FLOOR DEPRESSIONS AND/OR CUT BACK EXISTING FLOOR FINISH AS APPLICABLE TO SUIT THE NEW INSTALLATION.

DEMOLITION KEY NOTES

- | NO | DESCRIPTION |
|----|--|
| 5 | REMOVE EXISTING DOOR AND FRAME. CUT PARTITION TO ACCOMMODATE NEW DOOR AND FRAME IF REQUIRED. PATCH AND FILL AS REQUIRED. REFER TO DETAIL 1/D1002, 2/D1002 AND 1/D2300 |
| 6 | REMOVE EXISTING PLUMBING FIXTURES AND WASHROOM ACCESSORIES, CAP PLUMBING PIPES. |
| 10 | REMOVE EXISTING DOOR HARDWARE AS INDICATED IN DOOR SCHEDULE A9001 AND HARDWARE SCHEDULE WITHIN SPECIFICATIONS. |
| 11 | REMOVE EXISTING GUARDRAIL, HANDRAIL AND HANDRAIL POST BASE. PATCH AND MAKE GOOD ALL SURFACES. |
| 25 | DEMOLISH EXISTING CONCRETE STAIR OR RAMP. REMOVE DEBRIS AND PREPARE FOR NEW STAIR OR RAMP. PROVIDE SMOOTH TRANSITION BETWEEN SURFACES AND PROTECT SURROUNDING AREAS DURING THE WORK. |

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ACCESSIBILITY UPGRADES**

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840 Gerrard St. E.**

PROJECT NO:

9119-19-0162 / IBI 22260

DRAWN BY:

R. ZAHIROVIC / K.B

PROJECT MGR:

L. SOSA

CHECKED BY:

K. TILAHUN

APPROVED BY:

M. KUO

SHEET TITLE

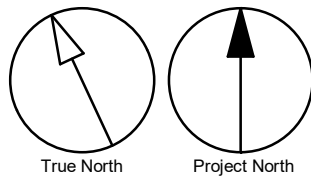
**FIRST FLOOR
DEMOLITION PLAN**

SHEET NUMBER

G29-307-A2111

ISSUE

D



True North

Project North



PHOTO 5



PHOTO 3



PHOTO 1



PHOTO 6

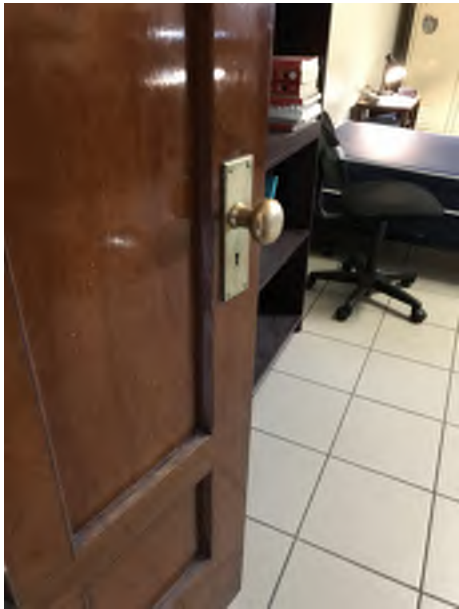


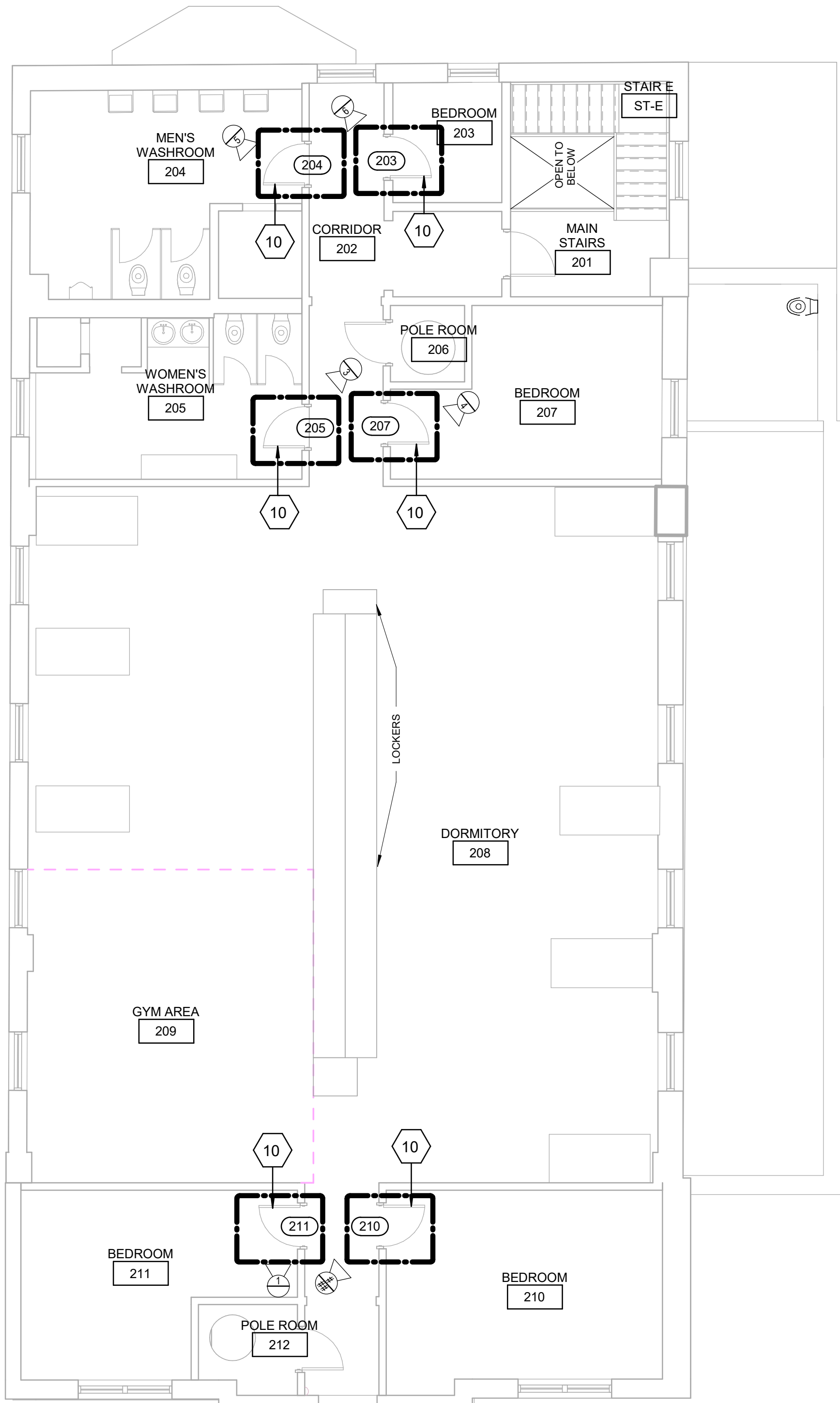
PHOTO 4



PROPOSED DOOR HARDWARE



PHOTO 2



DEMOLITION KEY LEGEND

- EXISTING TO BE DEMOLISHED
- EXISTING INTERIOR PARTITION TO BE DEMOLISHED
- ===== EXISTING EXTERIOR WALL TO REMAIN
- ===== EXISTING PARTITION TO REMAIN
- EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE TO BE REMOVED
- EXISTING DOOR TO REMAIN
- [Dashed Area] DASHED AREA INDICATES AREA OF WORK

DEMOLITION GENERAL NOTES

- REMOVE ALL EXISTING TACTILE SURFACE INDICATORS (WALKING ATTENTION INDICATOR, TEXTURAL WARNING STRIP, NOSING STRIP AND HAZARD STRIP ON HANDRAIL) INCLUDING ADHESIVE MATERIAL AND FASTENING SYSTEM. MAKE GOOD SURFACE TO RECEIVE NEW TACTILE SURFACE INDICATORS IN LOCATIONS SHOWN. INCREASE DEPTH AND EXTENT OF EXISTING FLOOR DEPRESSIONS AND/OR CUT BACK EXISTING FLOOR FINISH AS APPLICABLE TO SUIT THE NEW INSTALLATION.

DEMOLITION KEY NOTES

NO	DESCRIPTION
10	REMOVE EXISTING DOOR HARDWARE AS INDICATED IN DOOR SCHEDULE A9001 AND HARDWARE SCHEDULE WITHIN SPECIFICATIONS.

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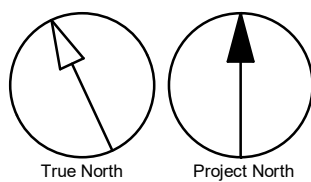
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PROJECT MGR: L. SOSA	APPROVED BY: M. KUO

SHEET TITLE
**SECOND FLOOR
DEMOLITION PLAN**

SHEET NUMBER
G29-307-A2121

ISSUE
D



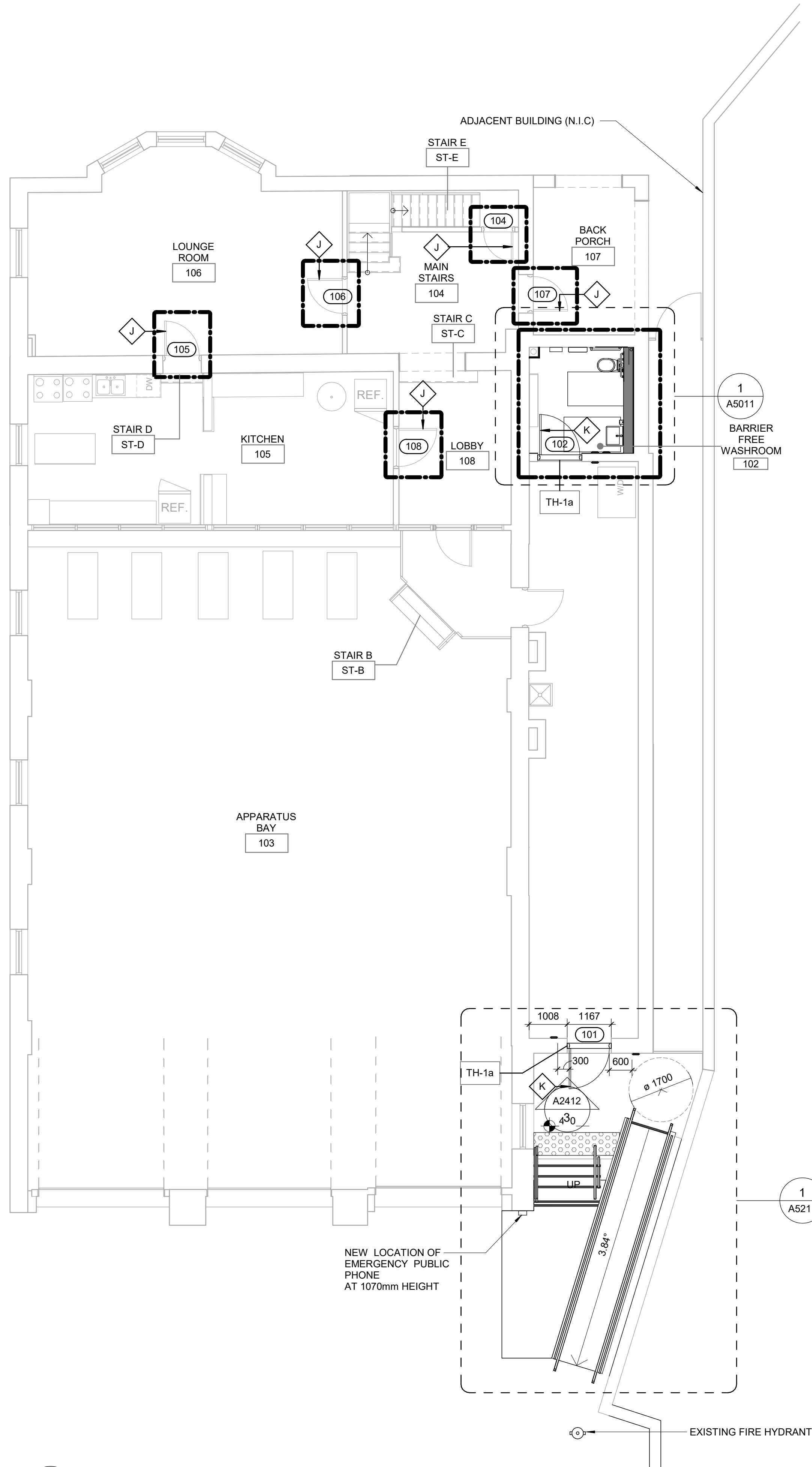
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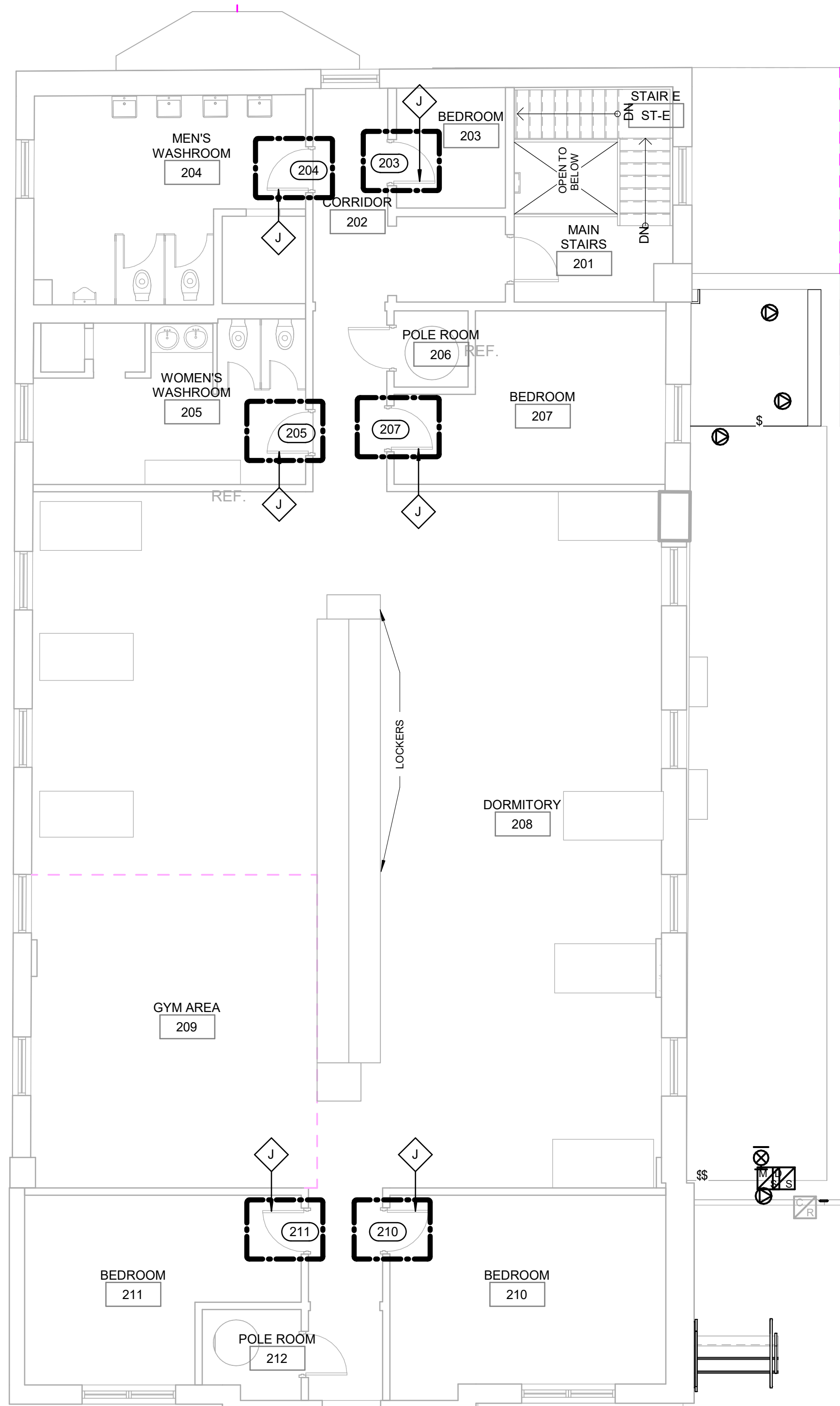
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1
A2411
FIRST FLOOR PROPOSED PLAN
Scale: 1 : 75



2
A2411
SECOND FLOOR PROPOSED PLAN
Scale: 1 : 75



CONSTRUCTION KEY LEGEND

	EXISTING EXTERIOR WALL TO REMAIN
	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 GENERAL NOTES

1	NEW DOOR CARD READER AND BARRIER FREE PUSH BUTTON - REFER TO ELECTRICAL DRAWINGS. FOR LOCATION AND HEIGHT INSTALLATION REFER TO ARCHITECTURAL DETAIL BOOKLET.
2	REPAINT ENTIRE WALL AFTER WALL-MOUNTED HANDRAIL REPLACEMENT - UNLESS OTHERWISE NOTED. COLOUR AND FINISH TO MATCH EXISTING

CONSTRUCTION KEY NOTES

NO	DESCRIPTION
J	EXISTING DOOR TO REMAIN. DOOR HARDWARE TO BE CHANGED AS PER DOOR SCHEDULE ON A9001 AND DOOR HARDWARE SCHEDULE IN THE SPECIFICATIONS.
K	INSTALL NEW DOOR AND FRAME. REFER TO DOOR SCHEDULE A9001, G0004 AND DOOR HARDWARE SCHEDULE IN THE SPECIFICATIONS.

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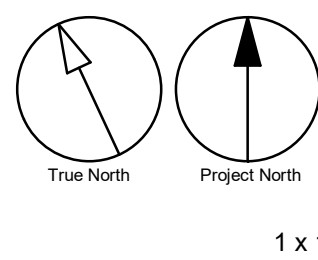
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**FIRST & SECOND FLOOR
PROPOSED PLAN**

SHEET NUMBER

G29-307-A2411

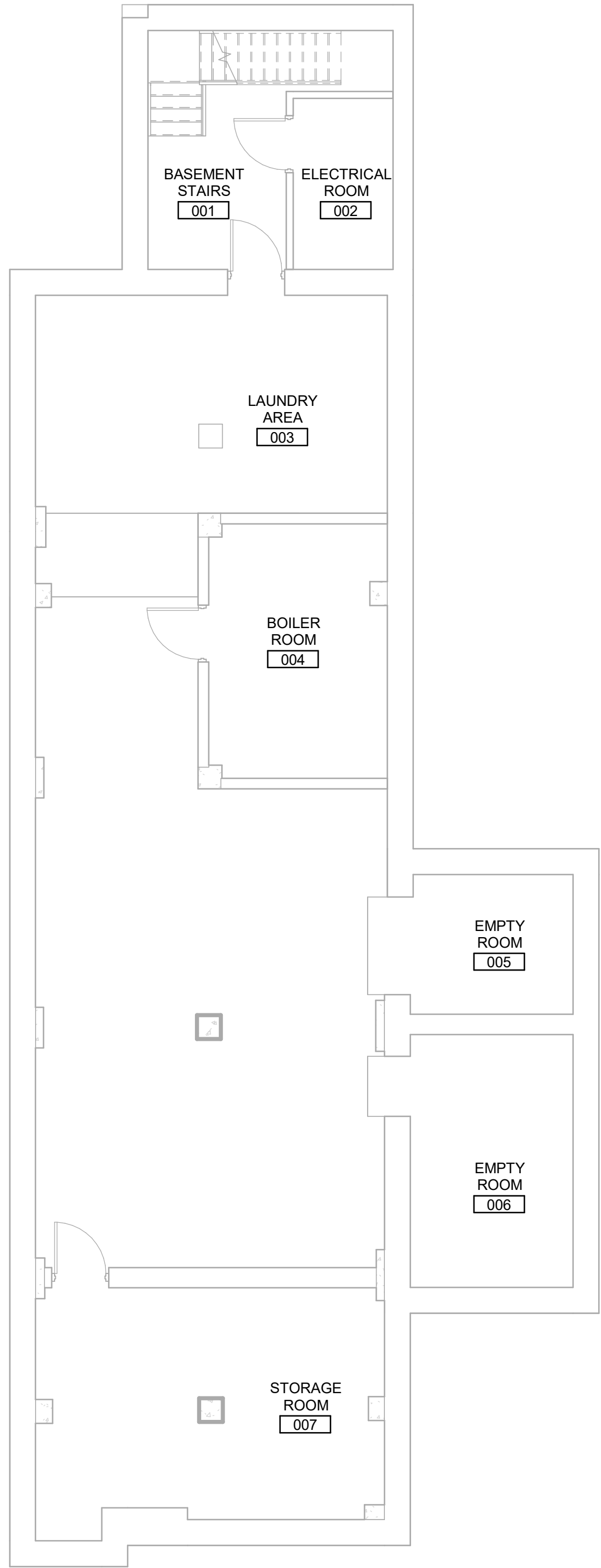
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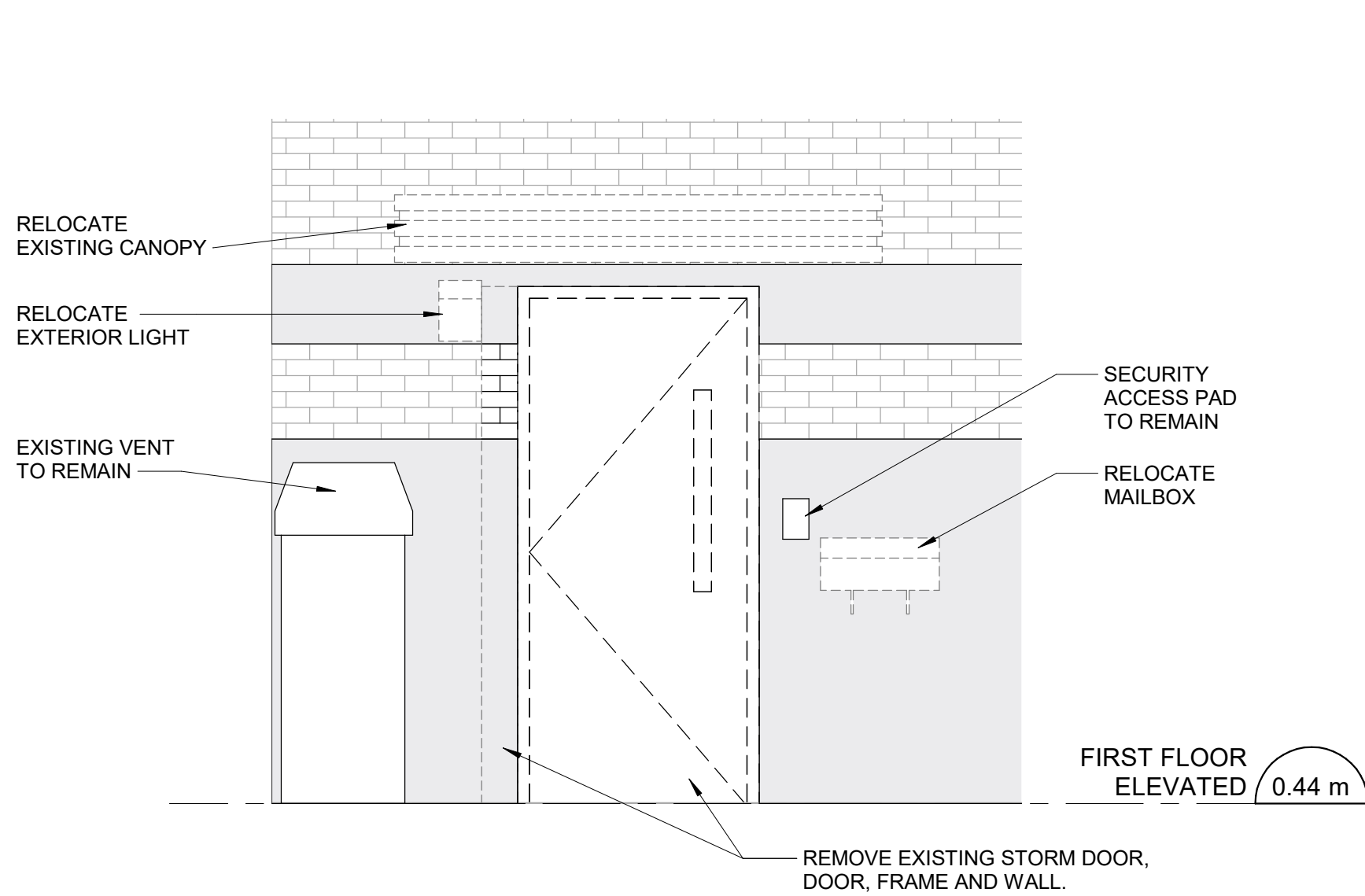
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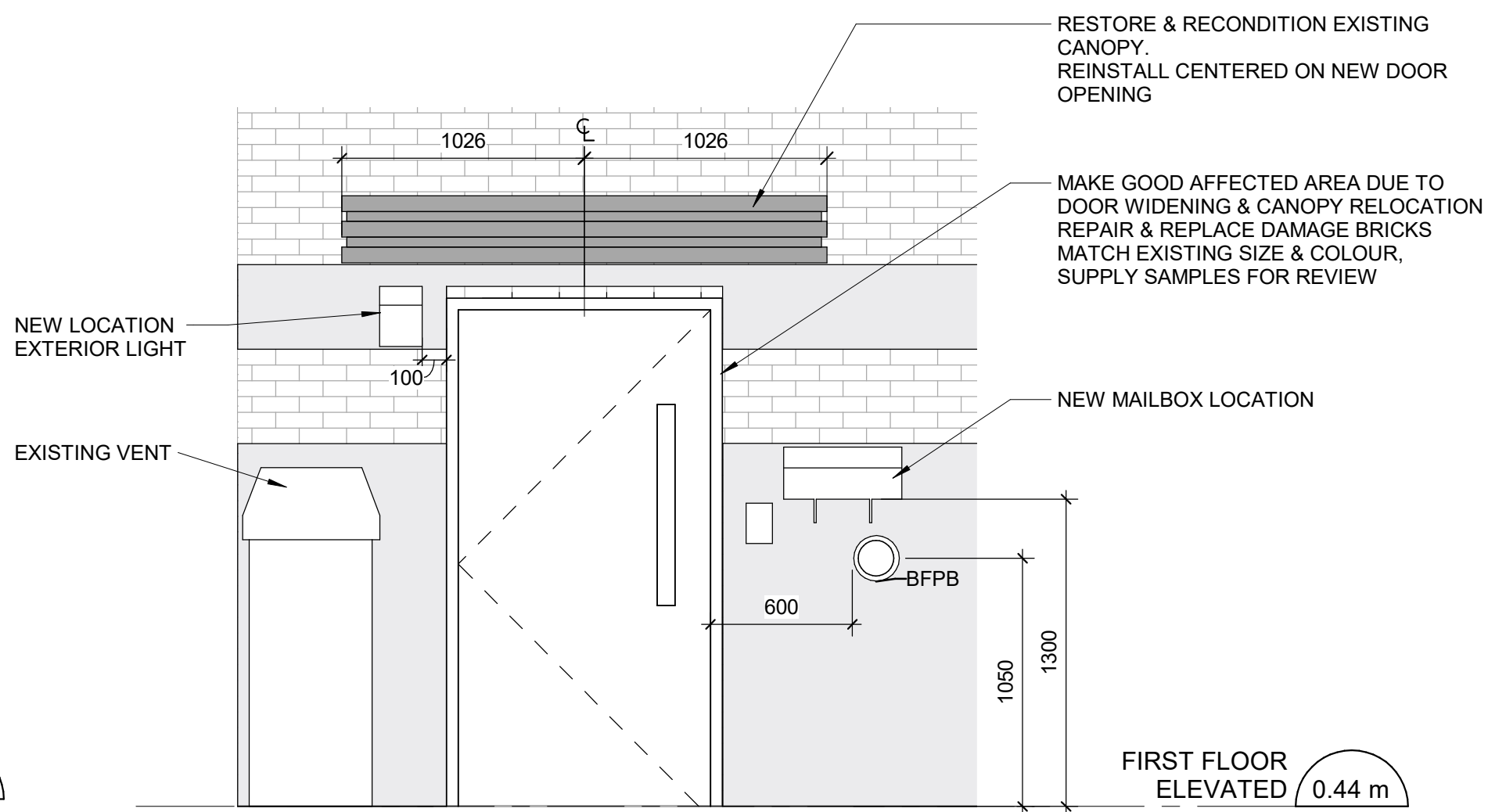
1 BASEMENT PLAN
A2412 Scale: 1 : 75

NOTE: FOR INFORMATION ONLY.
NO SCOPE OF WORK.

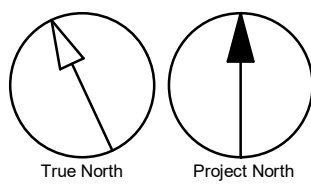


3 FRONT ENTRANCE DOOR EXISTING
A2412 Scale: 1 : 25

NOTE:
CONTRACTOR SHALL INVESTIGATE THE CONNECTION OF THE CANOPY
TO THE BUILDING AND INFORM IBI.
THE CANOPY SHOULD BE DETACHED FROM THE BUILDING INTACT AND
REINSTALLED AGAIN AFTER THE DOOR WIDENING PROCESS FINISHED



2 FRONT ENTRANCE DOOR PROPOSED
A2412 Scale: 1 : 25



Scale 1:100
0 2.5 5 10 m

2022-02-23 7:53:22 PM

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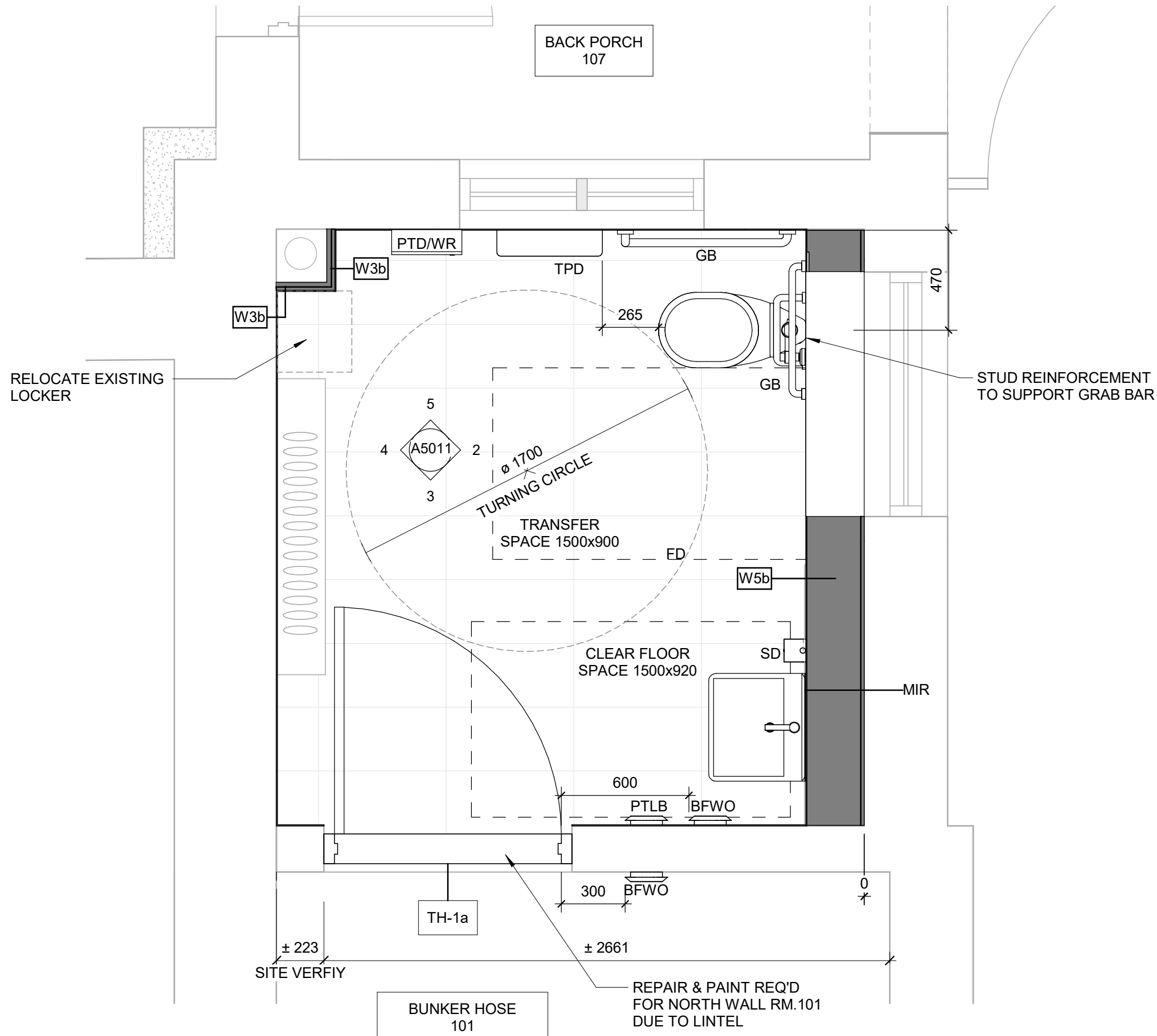
PROJECT NO:
9119-19-0162 / IBI 22260
DRAWN BY:
R. ZAHIROVIC / K.B
PROJECT MGR:
L. SOSA
CHECKED BY:
K. TILAHUN
APPROVED BY:
M. KUO

SHEET TITLE
**BASEMENT PROPOSED
PLAN & ENTRANCE
DOOR DETAIL**

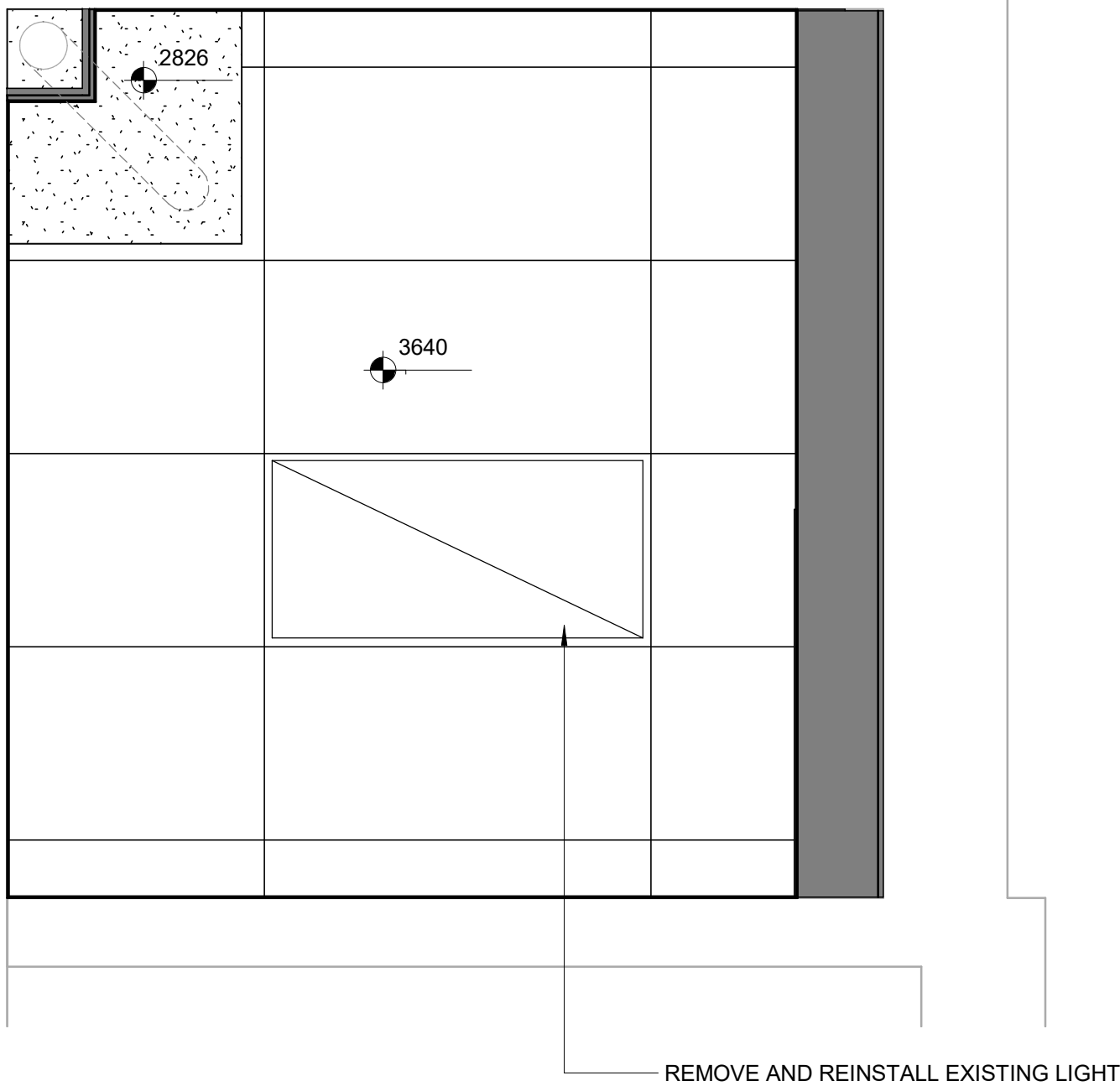
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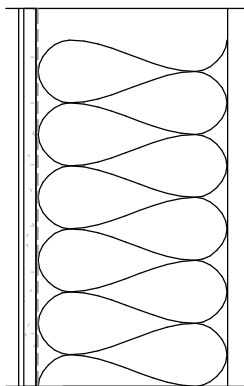
1 FIRST FLOOR WASHROOM - PROPOSED PLAN
A5011 Scale: 1 : 20



6 FIRST FLOOR WASHROOM - PROPOSED RCP
A5011 Scale: 1 : 20

WASHROOM GENERAL NOTES

- ALL EXISTING SOAP DISPENSERS AND MIRRORS TO BE LOWERED AS PER TADG.
- ALL EXISTING WASHROOM ACCESSORIES TO BE INSTALLED AFTER RECEIVING NEW WALL TILE OR SPECIFIED FINISH. NEW SOAP COLLECTORS TO BE ADDED TO ALL SOAP DISPENSERS. LOCATION TO BE THE SAME AS EXISTING. HEIGHT TO BE AS PER TADG. REFER TO ARCHITECTURAL DETAIL BOOKLET.



7 PROPOSED WALL SECTION
A5011 Scale: 1 : 10

CEILING LEGEND

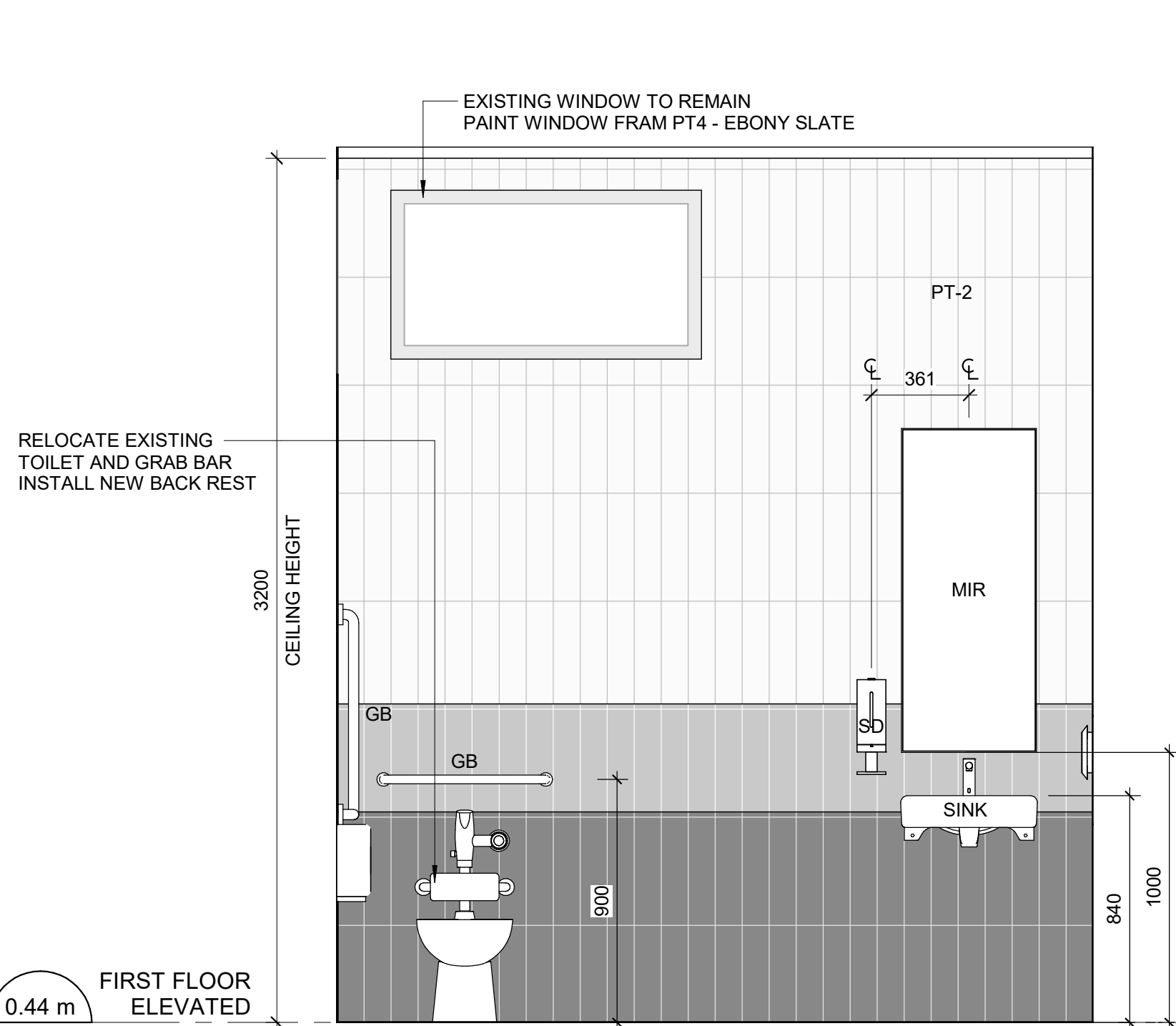
- SUSPENDED METAL GRID AND LAY-IN ACOUSTIC TILE SIZE TO MATCH EXISTING
- GYPSUM BOARD CEILING AND BULKHEAD
- SUPPLY / RETURN DUCT
- CEILING, PENDANT OR WALL MOUNTED LUMINAIRE
- CEILING OR PENDANT MOUNTED LUMINAIRE
- DASHED AREA INDICATES AREA OF WORK

CEILING GENERAL NOTES

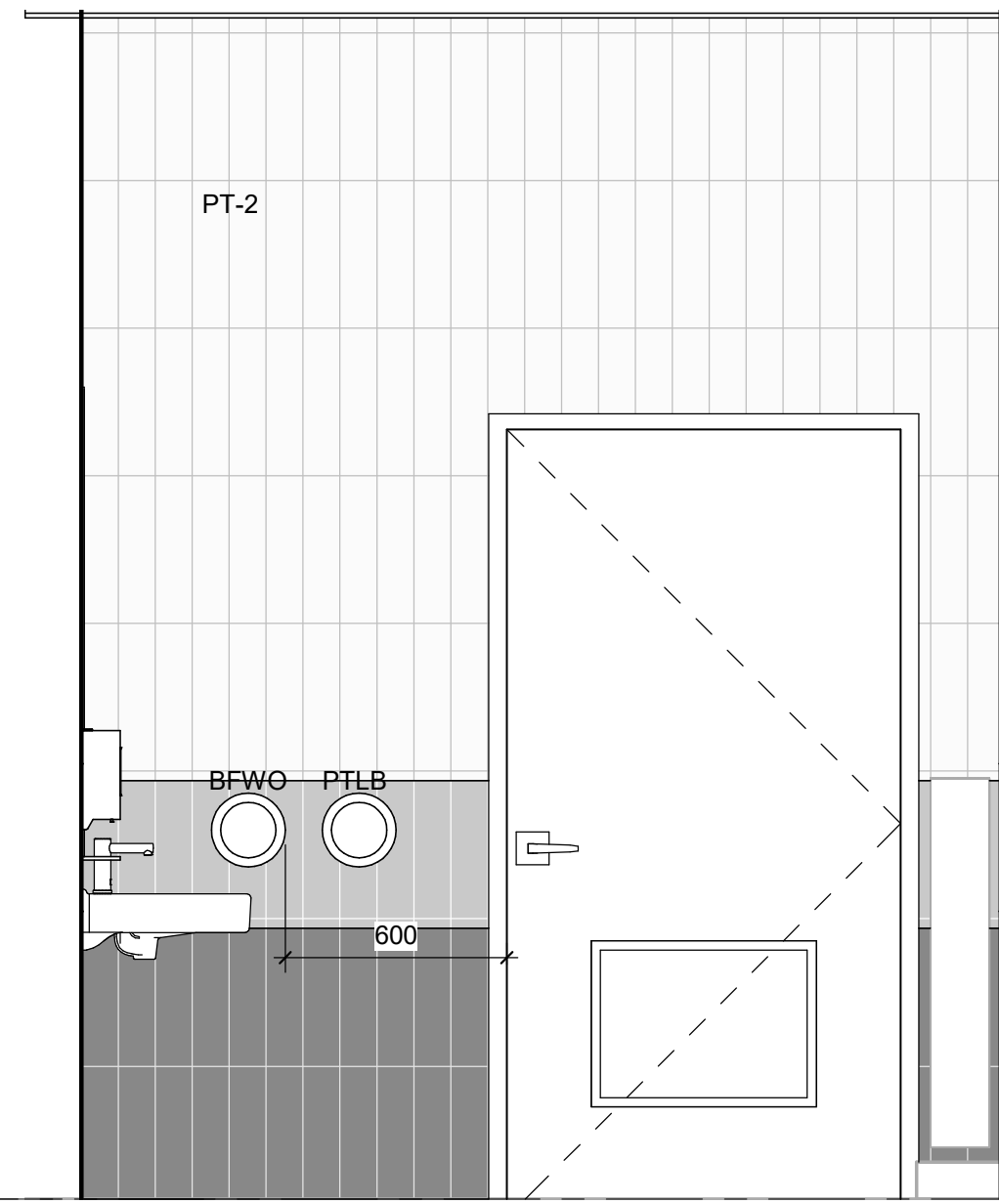
- PROPOSED CEILING HEIGHT TO MATCH EXISTING, UNLESS OTHERWISE NOTED.

FLOOR FINISHES LEGEND

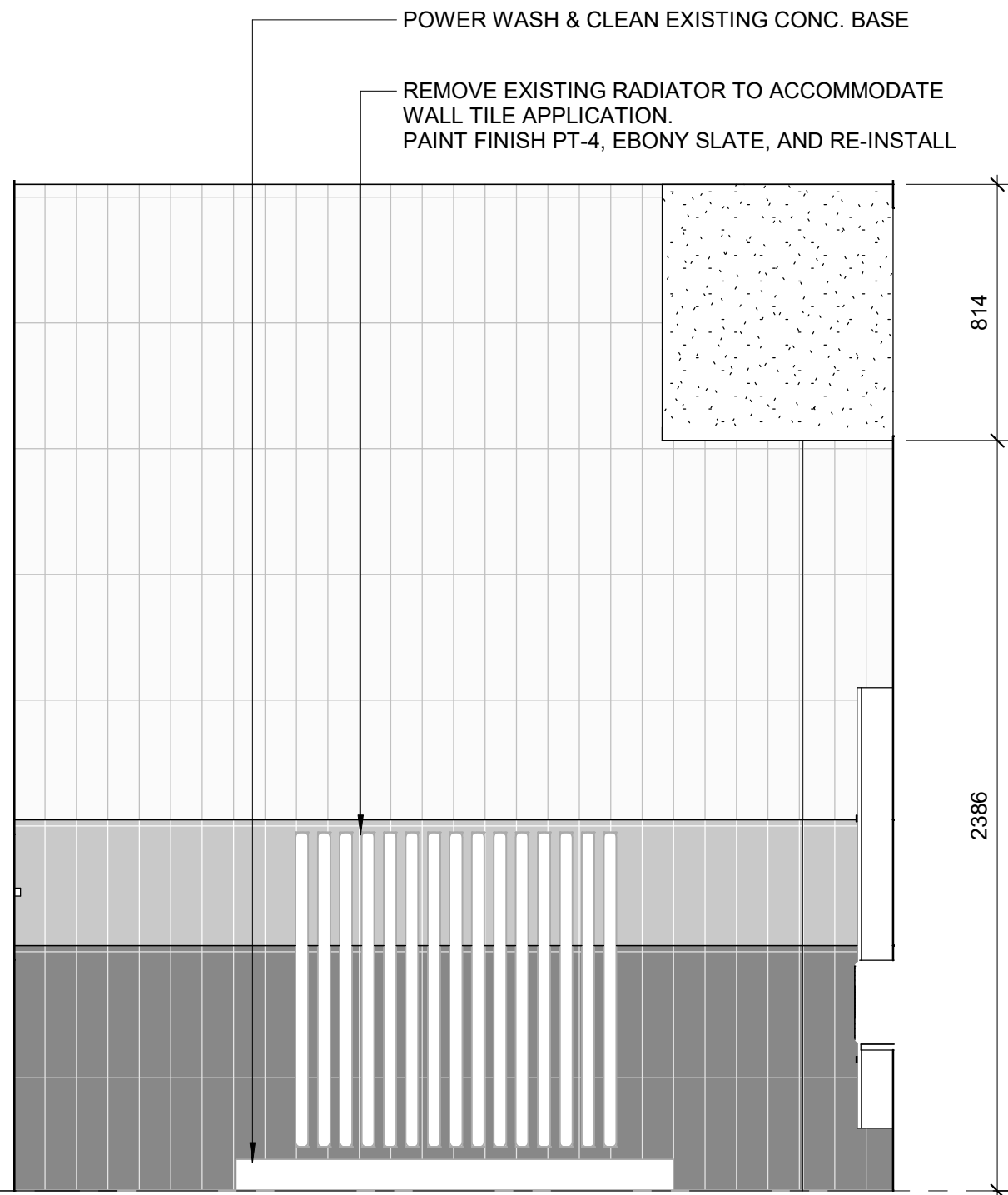
- PORCELAIN TILE
- DASHED AREA INDICATES AREA OF WORK



2 WASHROOM - EAST ELEVATION
A5011 Scale: 1 : 20

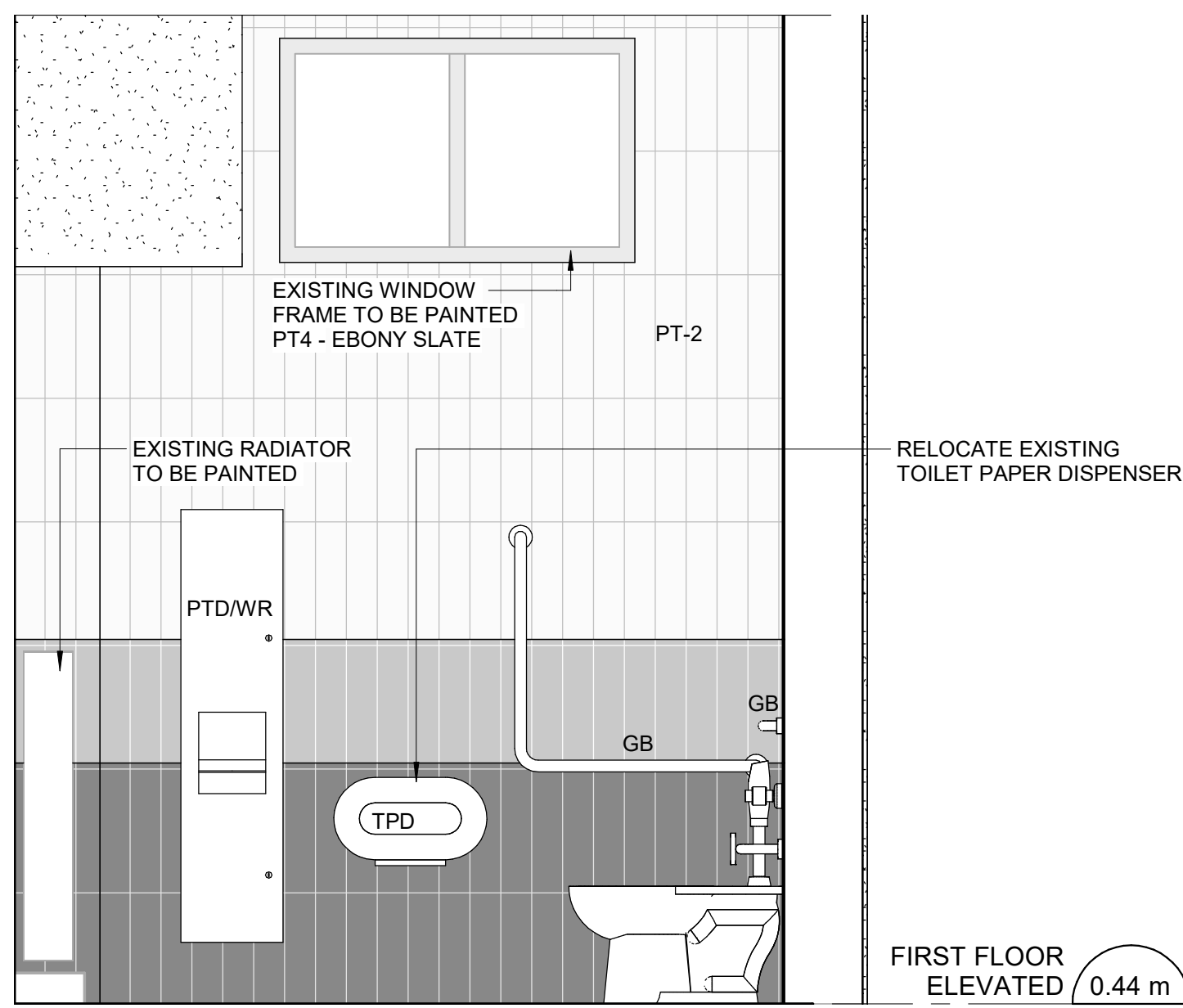


3 WASHROOM - SOUTH ELEVATION
A5011 Scale: 1 : 20

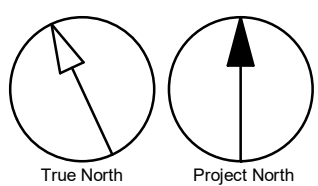


4 WASHROOM - WEST ELEVATION
A5011 Scale: 1 : 20

REFER TO TYPICAL DETAILS FOR MOUNTING HEIGHTS



5 WASHROOM - NORTH ELEVATION
A5011 Scale: 1 : 20



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Project Management Office
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ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-10-05
B	90% SUBMISSION	2021-12-17
C	PERMIT SUBMISSION	2021-12-17
D	ISSUED FOR TENDER	2022-02-16

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PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

**Fire Hall No. 324
840 Gerrard St. E.**

PROJECT NO:
9119-19-0162 / IBI 22260

DRAWN BY:
R. ZAHIROVIC / K.B

CHECKED BY:
K. TILAHUN

PROJECT MGR:
L. SOSA

APPROVED BY:
M. KUO

SHEET TITLE
**WASHROOM PLANS/
RCP/ ELEVATIONS**

SHEET NUMBER

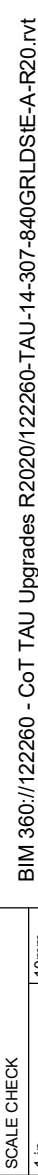
G29-307-A5011

ISSUE

D



NO	DESCRIPTION
A	INSTALL TACTILE ATTENTION INDICATOR AND TACTILE WARNING STRIP - REFER TO TYPICAL DETAILS 1/D1402 AND 1/D1405.
H	INSTALL NEW GUARDRAIL AND HANDRAIL ON CONCRETE STAIR - REFER TO TYPICAL DETAILS 2/D1402, 1/D1404, 2/D1404.
K	INSTALL NEW DOOR AND FRAME, REFER TO DOOR SCHEDULE A9001, G0004 AND DOOR HARDWARE SCHEDULE IN THE SPECIFICATIONS.
R	INSTALL NEW HANDRAIL - REFER TO DETAILS 1/D1401, 3/D1401, 2/1403, 3/1403, 4/D1402.

ISSUE
D

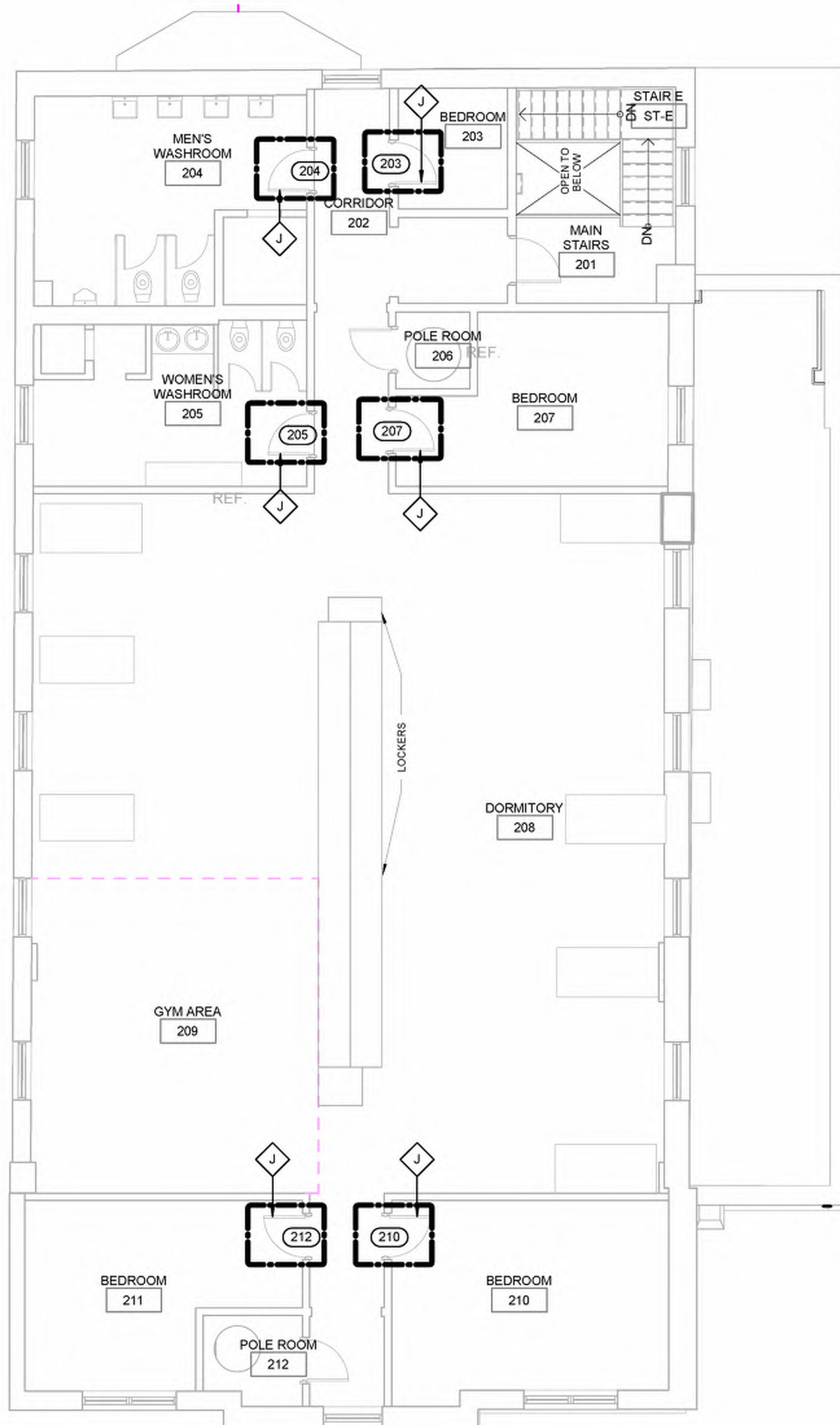
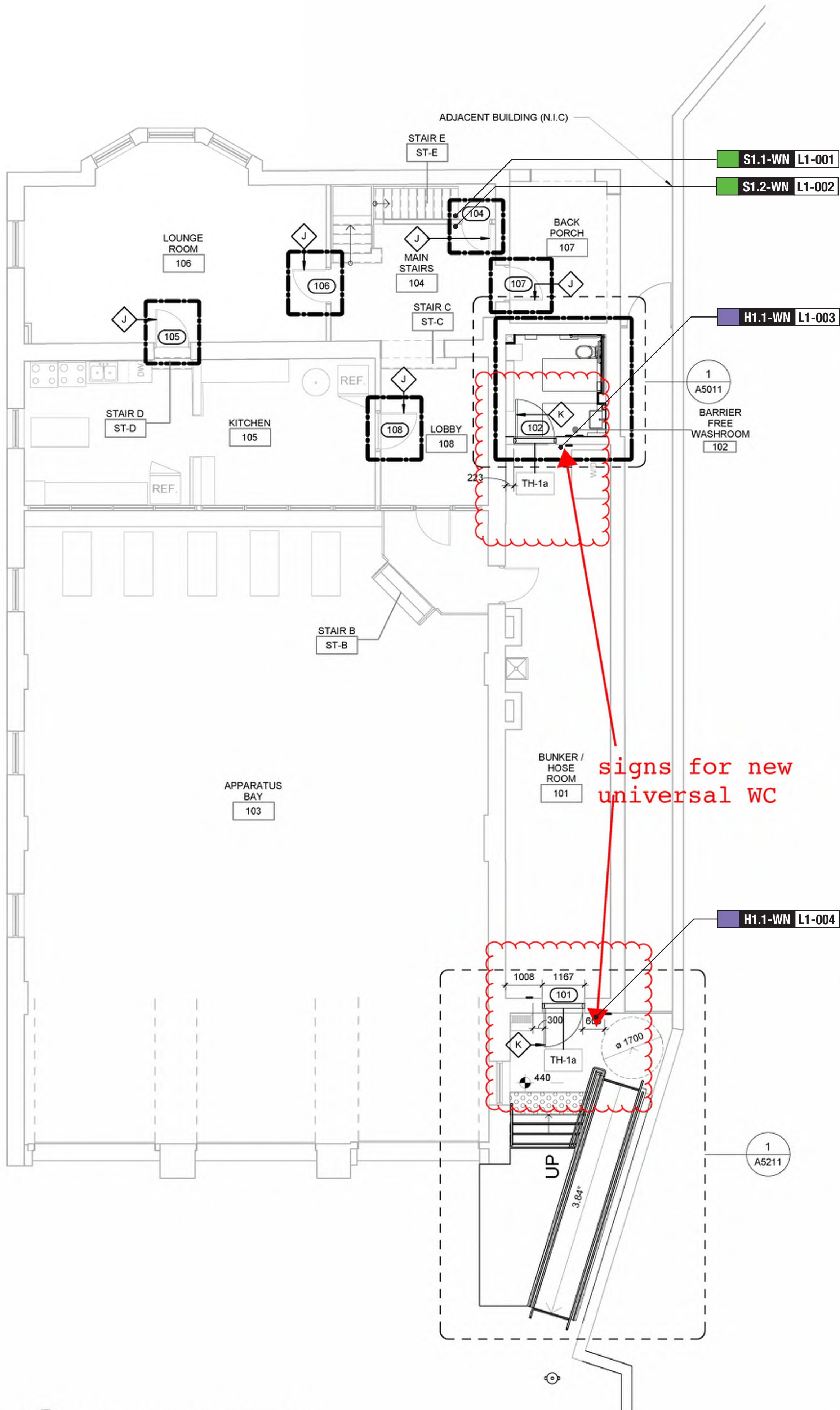
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Scale 1:75

1 FIRST FLOOR PROPOSED PLAN
Scale: 1 : 75



2 SECOND FLOOR PROPOSED PLAN
Scale: 1 : 75



CONSTRUCTION KEY LEGEND

	EXISTING EXTERIOR WALL TO REMAIN
	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

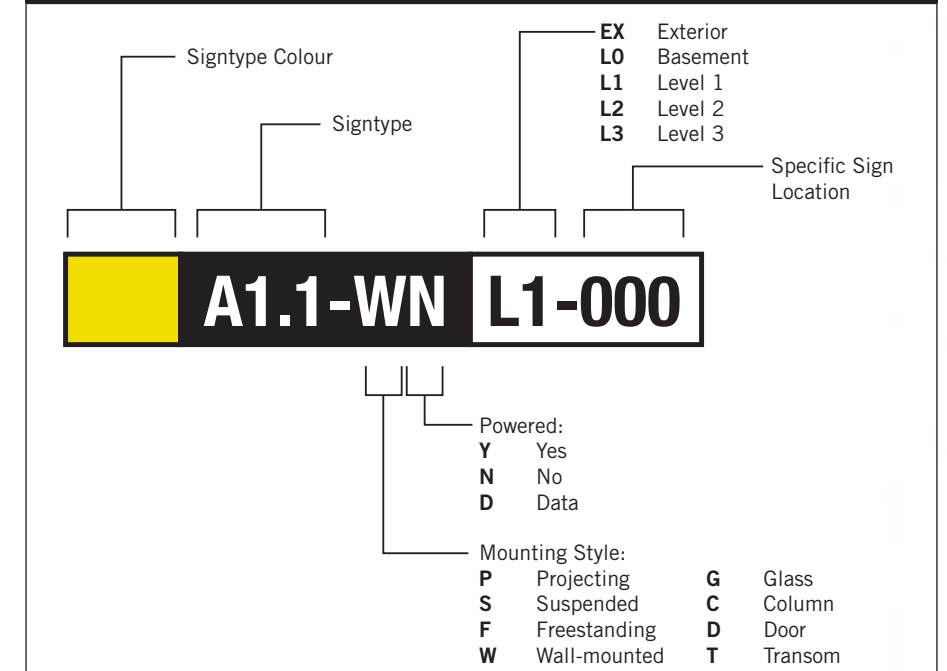
CONSTRUCTION GENERAL NOTES

- 1 NEW DOOR CARD READER AND BARRIER FREE PUSH BUTTON - REFER TO ELECTRICAL DRAWINGS. FOR LOCATION AND HEIGHT INSTALLATION REFER TO ARCHITECTURAL DETAIL BOOKLET.
- 2 REPAINT ENTIRE WALL AFTER WALL-MOUNTED HANDRAIL REPLACEMENT - UNLESS OTHERWISE NOTED. COLOUR AND FINISH TO MATCH EXISTING

CONSTRUCTION KEY NOTES

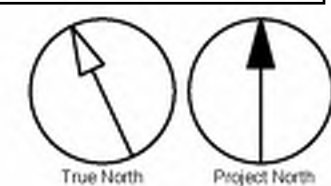
NO	DESCRIPTION
J	EXISTING DOOR TO REMAIN. DOOR HARDWARE TO BE CHANGED AS PER DOOR SCHEDULE ON A9001 AND DOOR HARDWARE SCHEDULE IN THE SPECIFICATIONS.
K	INSTALL NEW DOOR AND FRAME. REFER TO DOOR SCHEDULE A9001, G1004 AND DOOR HARDWARE SCHEDULE IN THE SPECIFICATIONS.

SIGN TAG LEGEND



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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ISSUES	No.	DESCRIPTION	DATE
A	90% SUBMISSION		2021-12-17
B	ISSUED FOR TENDER		2022-02-16

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PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS
**FIRE HALL NO. 324
840 GERRARD ST**

PROJECT NO:
9119 - 19 - 0162 / IBI 122260

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

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

SHEET NUMBER
G14-307-A8010

ISSUE
B

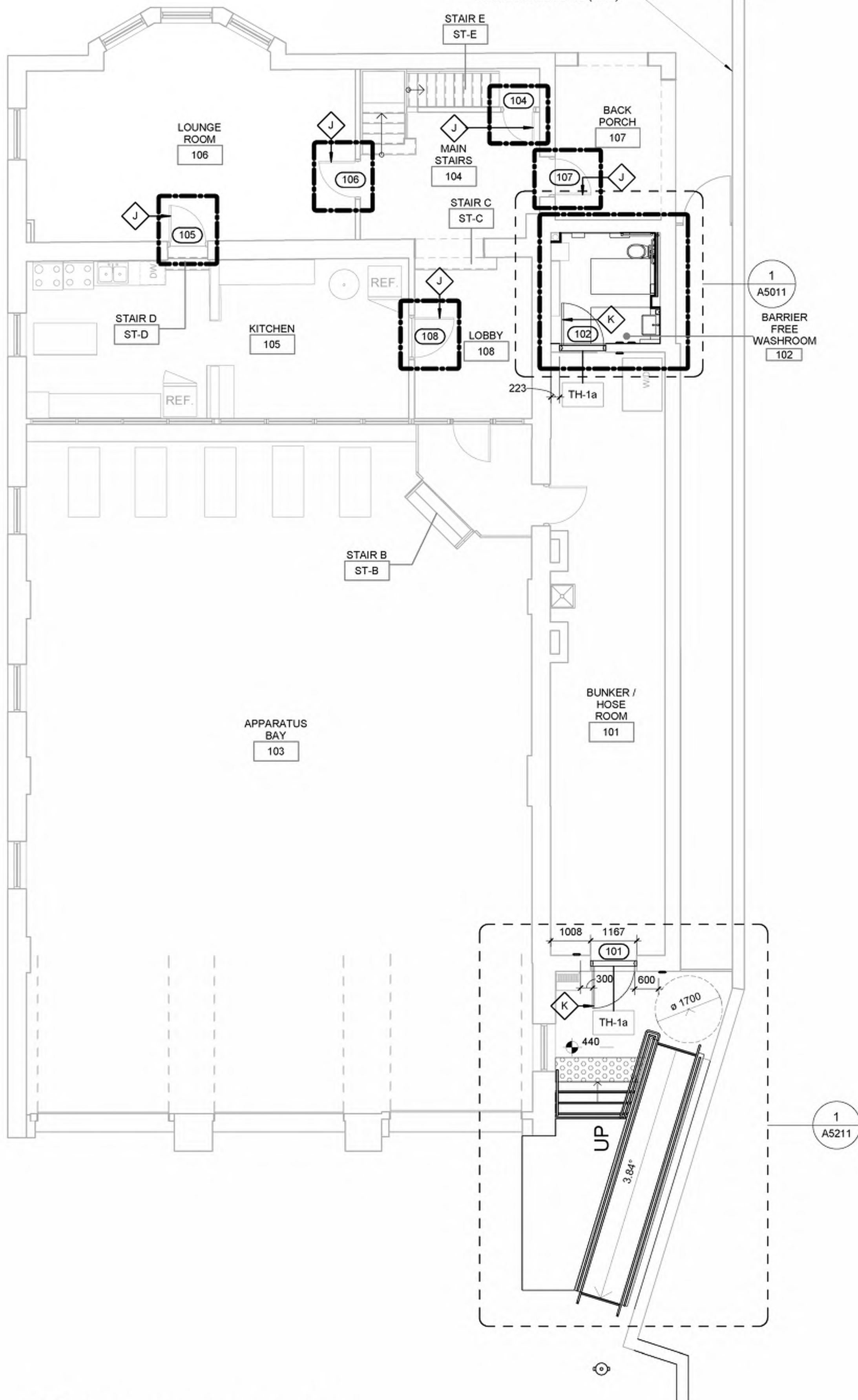
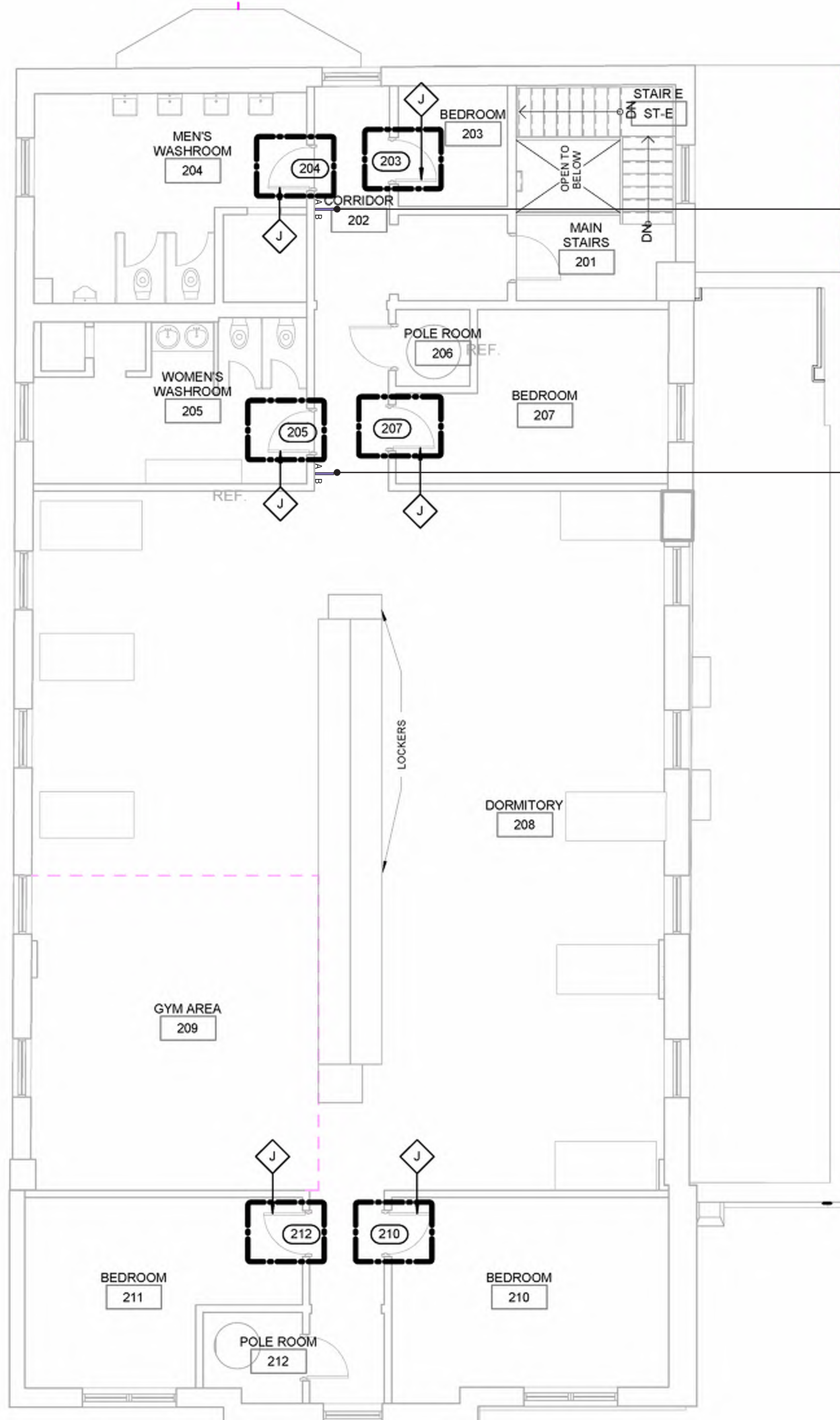
C:\Users\ana.bonnyan\Desktop\TAU-031-100 QUEEN ST WEST - CITY HALL.mxd
1 of 1

1 FIRST FLOOR PROPOSED PLAN
Scale: 1 : 75

Scale 1:75



ADJACENT BUILDING (N.I.C.)

2 SECOND FLOOR PROPOSED PLAN
Scale: 1 : 75

CONSTRUCTION KEY LEGEND

	EXISTING EXTERIOR WALL TO REMAIN
	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

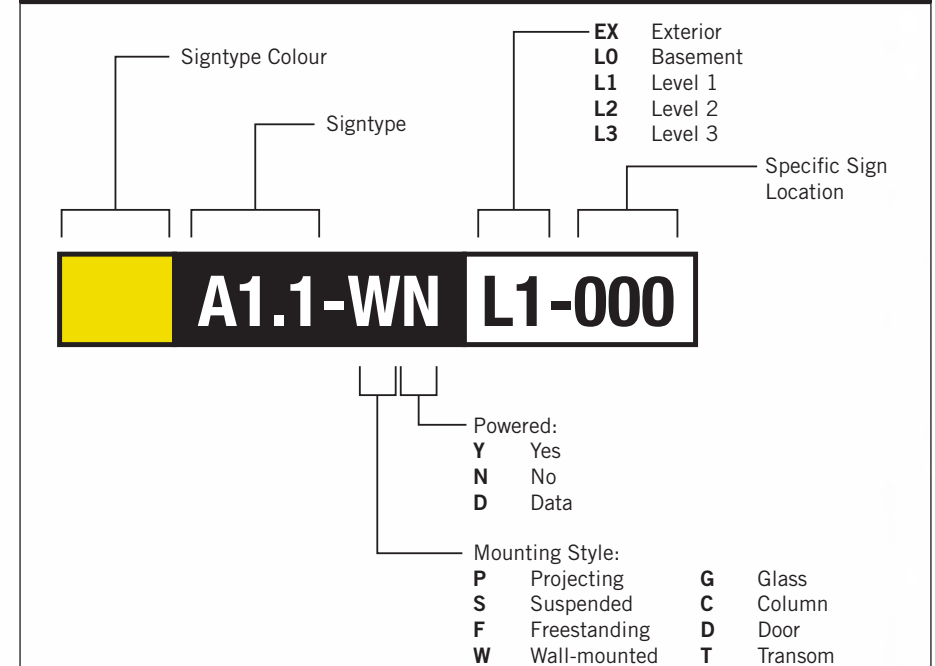
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CONSTRUCTION KEY NOTES

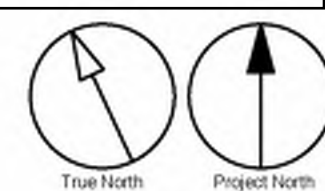
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K	INSTALL NEW DOOR AND FRAME. REFER TO DOOR SCHEDULE A9001, G1004 AND DOOR HARDWARE SCHEDULE IN THE SPECIFICATIONS.

SIGN TAG LEGEND



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 TITLE

CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

FIRE HALL NO. 324
840 GERRARD STPROJECT NO:
9119 - 19 - 0162 / IBI 122260

DRAWN BY:

M. LOW

CHECKED BY:

C.D. SCHNOBB

PROJECT MGR:

R. DALY

APPROVED BY:

SHEET TITLE

SIGNAGE & WAYFINDING
DETAILS
LEVEL 2 LOCATION PLAN

SHEET NUMBER

G14-307-A8020

ISSUE

B

KEYPLAN

L1

L2

SIGN CODE	LEVEL	LOC #	SIGN TYPE DESCRIPTION	SIDE A		SIDE B	
				MESSAGE (English)		MESSAGE (English)	
S1.1	L1	001	Stair ID - Inside Stairwell	Floor 1 Braille Stairwell E 104 Braille			
S1.2	L1	002	Stair ID - Corridor Side	[Stairs picto] Floor 1 Braille Stairwell E 104 Braille			
H1.1	L1	003	Amenity ID	[accessible universal washroom picto] Washroom Braille			
H1.1	L1	004	Amenity ID	[accessible universal washroom picto] Washroom Braille			
H2.1	L2	001	Projecting Amenity ID	[accessible mens picto]		[accessible mens picto]	
H1.1	L2	002	Amenity ID	[accessible mens picto] Men Braille			
H2.1	L2	003	Projecting Amenity ID	[accessible womens picto]		[accessible womens picto]	
H1.1	L2	004	Amenity ID	[accessible womens picto] Women Braille			

SIGN TYPE	SIGN TYPE DESCRIPTION	COUNT
B1.1	Directional	0
E2.1	Room ID	0
E2.2	Line Room ID	0
E4	Insert Holder	0
H1.1	Amenity ID	4
H2.1	Projecting Amenity ID	2
J4.2	Accessible Entrance ID - Exterior	0
S1.1	Stair ID - Inside Stairwell	1
S1.2	Stair ID - Corridor Side	1
S1.3	Stair ID - Roof Exit, Inside Stairwell	0
S1.4	Stair ID - Exterior Door	0
Total		8

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SEAL

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PROJECT TITLE

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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

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840 GERRARD ST

PROJECT NO:

9119 – 19 – 0162 / IBI 122260

DRAWN BY:

M.LOW

CHECKED BY:

C.D. SCHNOBB

PROJECT MGR:

R. DALY

APPROVED BY:

SHEET TITLE

SIGNAGE & WAYFINDING
DETAILS
MESSAGE SCHEDULE

SHEET NUMBER

G14-307-A8100

ISSUE

B

C:\Users\ana.boyanlian\Desktop\TAU-G31-100 QUEEN ST WEST - CITY HALL.rvt

Scale Check

1 of 1

DOOR SCHEDULE																
DOOR NO.	LOCATION	DOOR				PANEL			FRAME		DOOR HARDWARE			FIRE RATING (MINUTES)	REMARKS	
		TYPE	WIDTH	HEIGHT	THICKNESS	MAT.	FIN.	GLASS	MAT.	FIN.	SECURITY ACCESS CONTOL DEVICE	BFPB/BFWO	PANIC DEVICE			
FIRST FLOOR LOWER																
101	ENTRANCE/BUNKER HOSE ROOM	G	1067	2135	45	HM	PT3	TGL	HM	PT3	EXIST. KEYPAD	X	-	NA	NEW	
102	ACCESSIBLE WASHROOM	A(L)	1067	2135	45	HM	PT3	-	HM	PT3	-	X	-	NA	NEW	
108	LOBBY	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	-	-	-	EXIST	EXIST. DOOR - REPLACE DOOR LATCHES SET AS PER HARDWARE SCHEDULE	
FIRST FLOOR ELEVATED																
104	STAIR E/ BASEMENT	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	-	-	-	EXIST	EXIST. DOOR - REPLACE DOOR LATCHES SET AS PER HARDWARE SCHEDULE	
105	KITCHEN / LOUNGE ROOM	EXIST	EXIST	EXIST	EXIST	EXIST	PT-3	EXIST	EXIST	PT-3	-	-	-	EXIST	EXIST. DOOR - REPLACE DOOR LATCHES SET AS PER HARDWARE SCHEDULE	
106	LOUNGE ROOM / MAIN STAIR	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	-	-	-	EXIST	EXIST. DOOR - REPLACE DOOR LATCHES SET AS PER HARDWARE SCHEDULE	
107	BACK PORCH	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST. KEYPAD	-	-	EXIST	EXIST. DOOR - REPLACE DOOR LATCHES SET AS PER HARDWARE SCHEDULE	
SECOND FLOOR																
203	BEDROOM	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	-	-	-	EXIST	EXIST. DOOR - REPLACE DOOR LATCHES SET AS PER HARDWARE SCHEDULE	
204	MEN'S WASHROOM	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	-	-	-	EXIST	EXIST. DOOR - REPLACE DOOR LATCHES SET AS PER HARDWARE SCHEDULE	
205	WOMEN'S WASHROOM	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	-	-	-	EXIST	EXIST. DOOR - REPLACE DOOR LATCHES SET AS PER HARDWARE SCHEDULE	
207	BEDROOM	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	-	-	-	EXIST	EXIST. DOOR - REPLACE DOOR LATCHES SET AS PER HARDWARE SCHEDULE	
210	BEDROOM	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	-	-	-	EXIST	EXIST. DOOR - REPLACE DOOR LATCHES SET AS PER HARDWARE SCHEDULE	
211	BEDROOM	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	-	-	-	EXIST	EXIST. DOOR - REPLACE DOOR LATCHES SET AS PER HARDWARE SCHEDULE	

ROOM FINISH SCHEDULE																									
ROOM NUMBER	ROOM NAME	FLOOR		BASE		NORTH				EAST				SOUTH				WEST				CEILING			REMARKS
		MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	HEIGHT							
Not Placed																									
101	BUNKER / HOSE ROOM	EXIST	EXIST	EXIST	EXIST	EX. BRICK	PT-2	EX. BRICK	EXIST	EX. BRICK	PT-2	EX. BRICK	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST							
FIRST FLOOR ELEVATED																									
102	BARRIER FREE WASHROOM	EXIST	PFT-1	EXIST	EXIST	EX. BRICK	PT-2, PT-4, CWT-3, CWT-4	EX. BRICK	PT-2, PT-4, CWT-3, CWT-4	EX. BRICK	PT-2, CWT-3, CWT-4	EX. BRICK	PT-2, PT-4, CWT-3, CWT-4	EXIST	NEW	EXIST	SUSPENDEd METAL GRID AND LAY-IN ACOUSTIC TILE + GWB (BULKHEAD)								

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	ALABASTER D431	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

NOTE:
- PROVIDE NEW PAINT ON BOTH SIDES OF THE WALL WHEN, AFFECTED BY CONSTRUCTION,TO MATCH THE EXISTING FINISHES AND COLOURS UNLESS OTHERWISE SPECIFIED IN THE DRAWINGS OR IN ROOM FINISH SCHEDULE.
- PROVIDE PAINT TO BASEBOARDS FOR ALL WALLS AND ROOMS WHERE NEW WALLS OR DEMOLITION WORK IS BEING CARRIED OUT.

DOOR SCHEDULE GENERAL NOTES	
1	DOOR HEIGHT IS FOR INFO ONLY DOOR HEIGHT TO MATCH EXISTING DOOR HEIGHT AND IS TO BE SITE MEASURED.
2	REFER TO ELECTRICAL DRAWINGS FOR DOOR CARD READER LOCATION ON EXISTING DOORS.
3	REFER TO DOOR HARDWARE SCHEDULE AND TO THE SPECIFICATIONS FOR A COMPLETE SET OF DOOR HARDWARE.

DOOR ABBREVIATIONS	
* ALUM ANOD BFAO BFPB BFWO CR EXIST FBM GWB GWG HM IHM ITGL KP OBM PF PLAM PT SIM SS TGL WD	DENOTES YES ALUMINUM ANODIZED BARRIER-FREE AUTOMATIC OPENER BARRIER-FREE PUSH BUTTON BARRIER-FREE WAVE TO OPEN CARD READER EXISTING FINGER BIOMETRIC GYPSUM WALL BOARD GEORGIAN WIRE GLASS HOLLOW METAL INSULATED HOLLOW METAL INSULATED TEMPERED (SAFETY) GLASS KEY PAD OCULAR BIOMETRIC PRE FINISHED PLASTIC LAMINATE PAINT SIMILAR STAINLESS STEEL TEMPERED GLASS WOOD
NOTES: 1. PATCH & REFINISH VARNISHED WOOD DOORS WHERE DAMAGED OR AFFECTED DUE TO LATCH SET UPGRADE. 2. GC TO TURNOVER EXISTING LATCH SETS REMOVED FOR UPGRADE TO FIRE HALL CAPTAIN.	

CLIENT

CITY OF TORONTO



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

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PROJECT TITLE
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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

Fire Hall No. 324
840 Gerrard St. E.

PROJECT NO: 9119-19-0162 / IBI 22260		
DRAWN BY: R. ZAHIROVIC / K.B	CHECKED BY: K. TILAHUN	
PROJECT MGR: L. SOSA	APPROVED BY: M. KUO	

SHEET TITLE
DOOR AND ROOM
FINISH SCHEDULES

SHEET NUMBER G29-307-A9001	ISSUE D
-------------------------------	------------

Sheet List	
Sheet Number	Sheet Name
06 - Structural	
S0001	DRAWING LIST
S1201	SITE PLAN
S2501	FIRST FLOOR PLAN - WASHROOM
S2502	RAMP PLAN, DETAILS & SECTION
S2503	FIRST FLOOR PLAN - ENTRANCE DOOR

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C	PERMIT SUBMISSION	2021-12-17
D	ISSUED FOR TENDER	2022-02-16

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tel 416 679 1930 fax 416 675 4620

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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

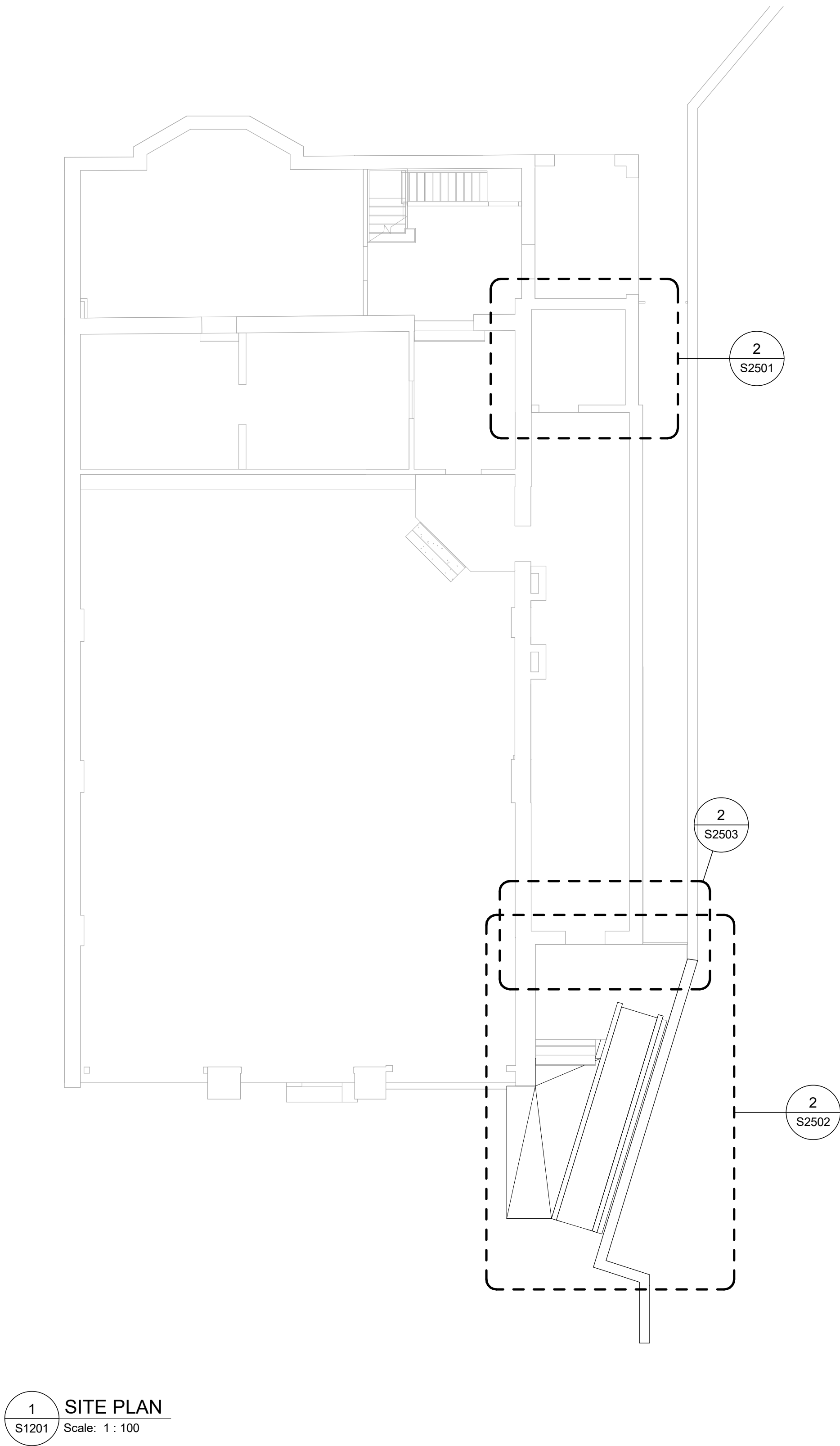
Fire Hall No. 324
840 Gerrard St. E.

PROJECT NO:
9119-19-0162 / IBI 22260

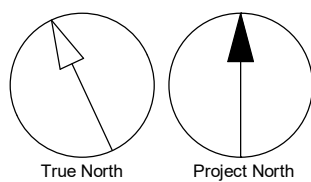
DRAWN BY: L. CHATZIGIANNAKOS	CHECKED BY: M. FAYAZI
PROJECT MGR: L. SOSA	APPROVED BY: K. ANGER

SHEET TITLE
DRAWING LIST

SHEET NUMBER G29-307-S0001	ISSUE D
-------------------------------	------------



1 SITE PLAN
S1201 Scale: 1 : 100



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PROJECT ADDRESS

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PROJECT NO:
9119-19-0162 / IBI 22260

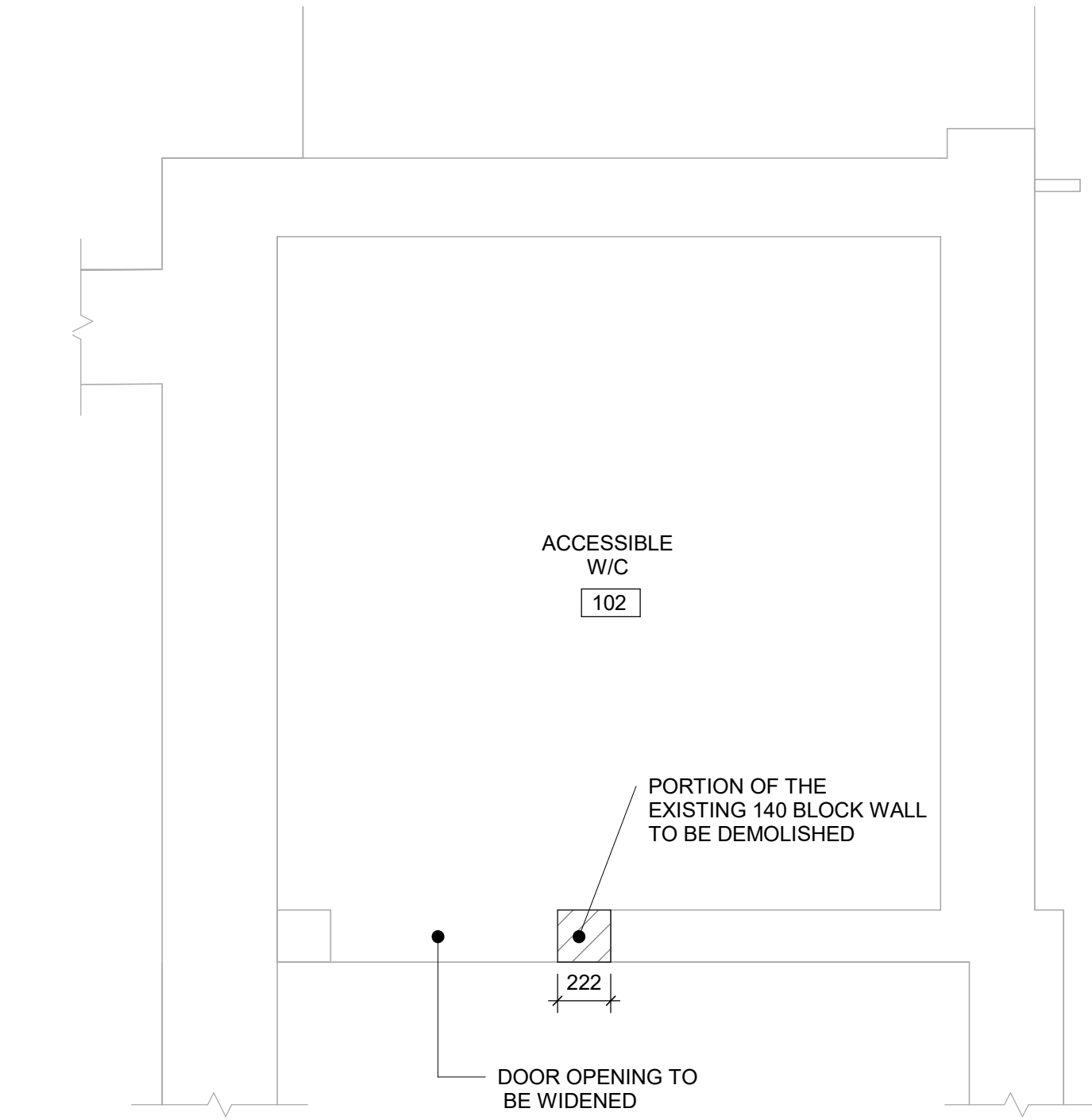
DRAWN BY: **L. CHATZIGIANNAKOS** CHECKED BY: **M. FAYAZI**

PROJECT MGR: **L. SOSA** APPROVED BY: **K. ANGER**

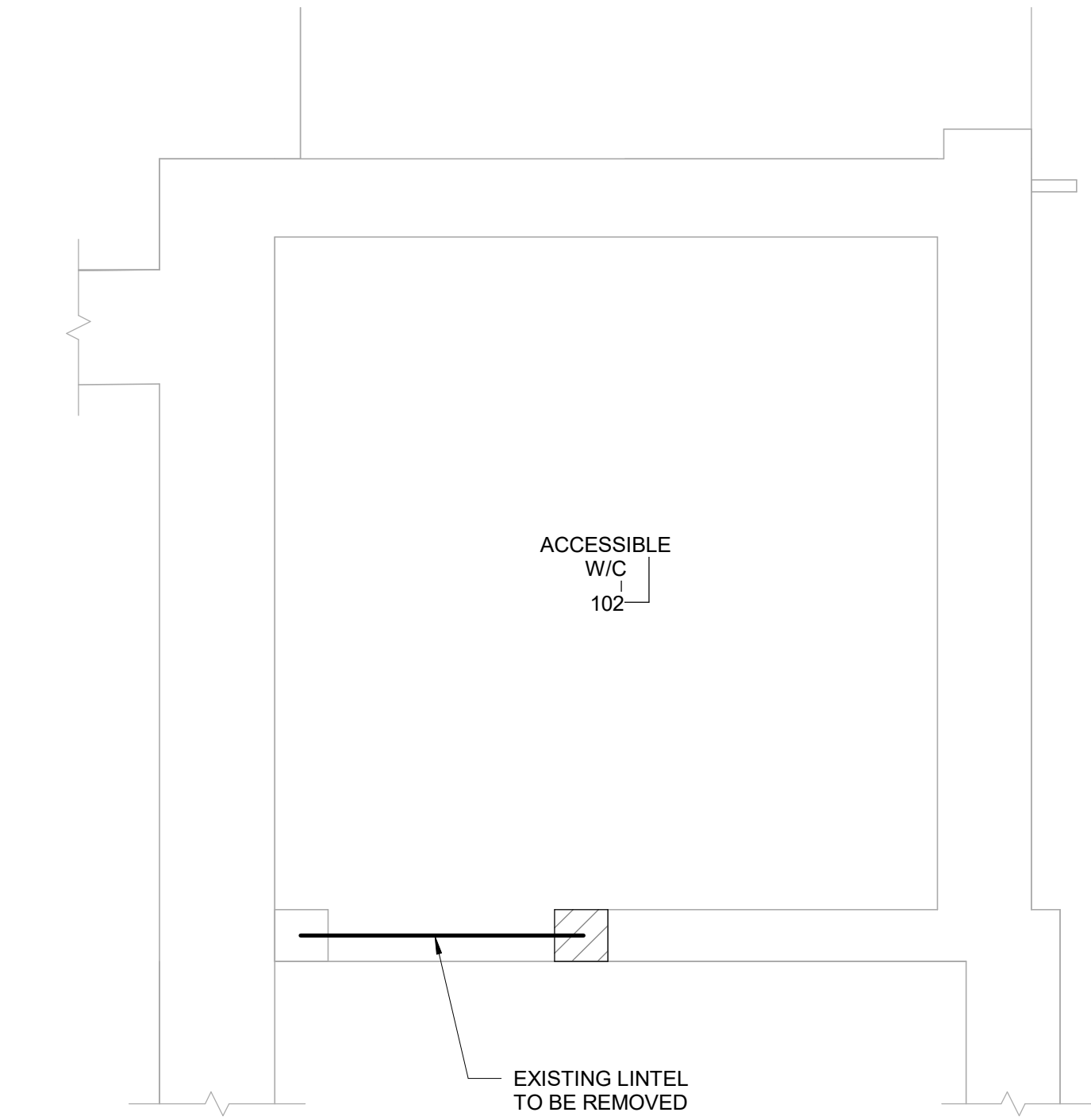
SHEET TITLE
SITE PLAN

SHEET NUMBER
G29-307-S1201

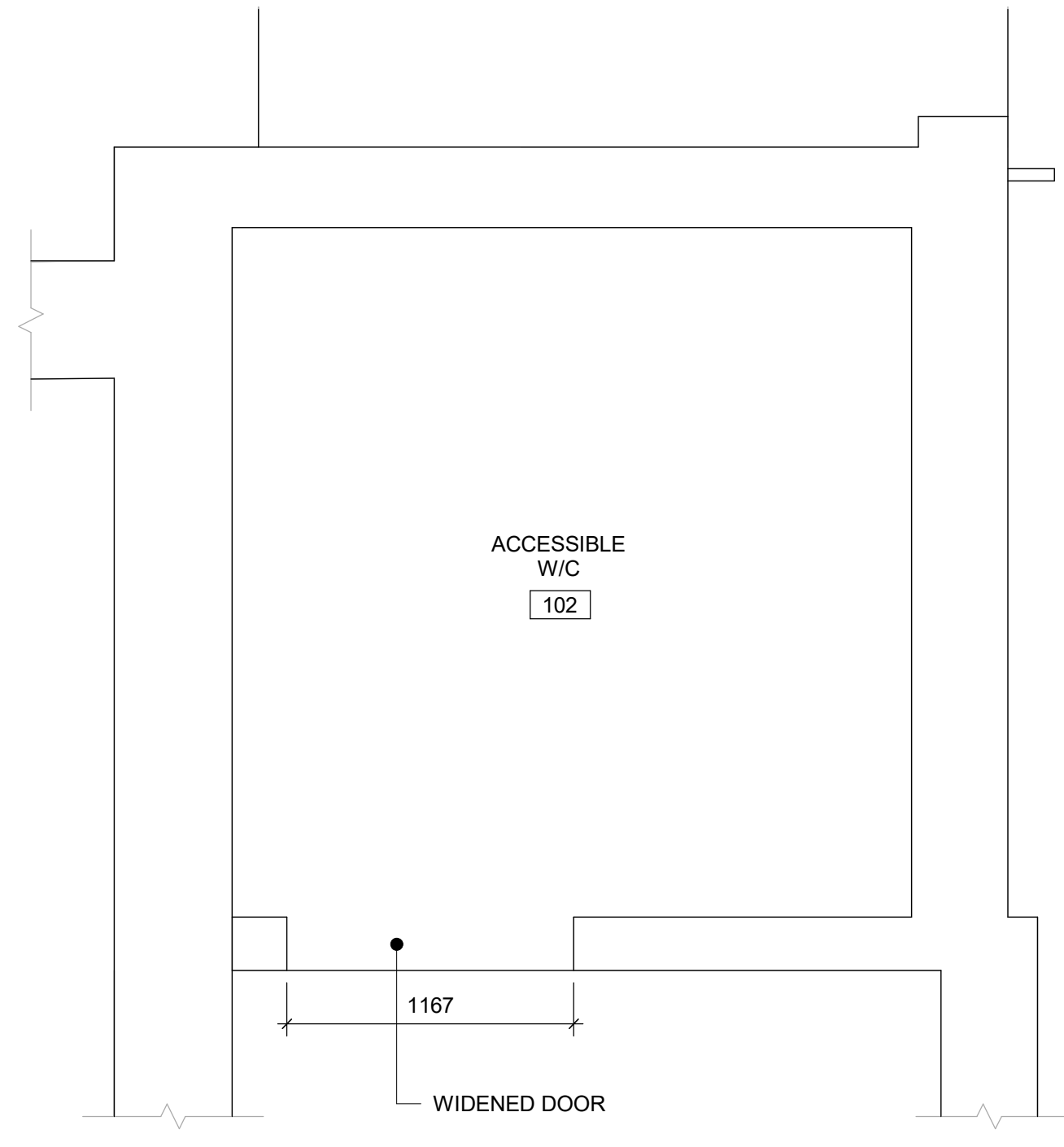
ISSUE
D



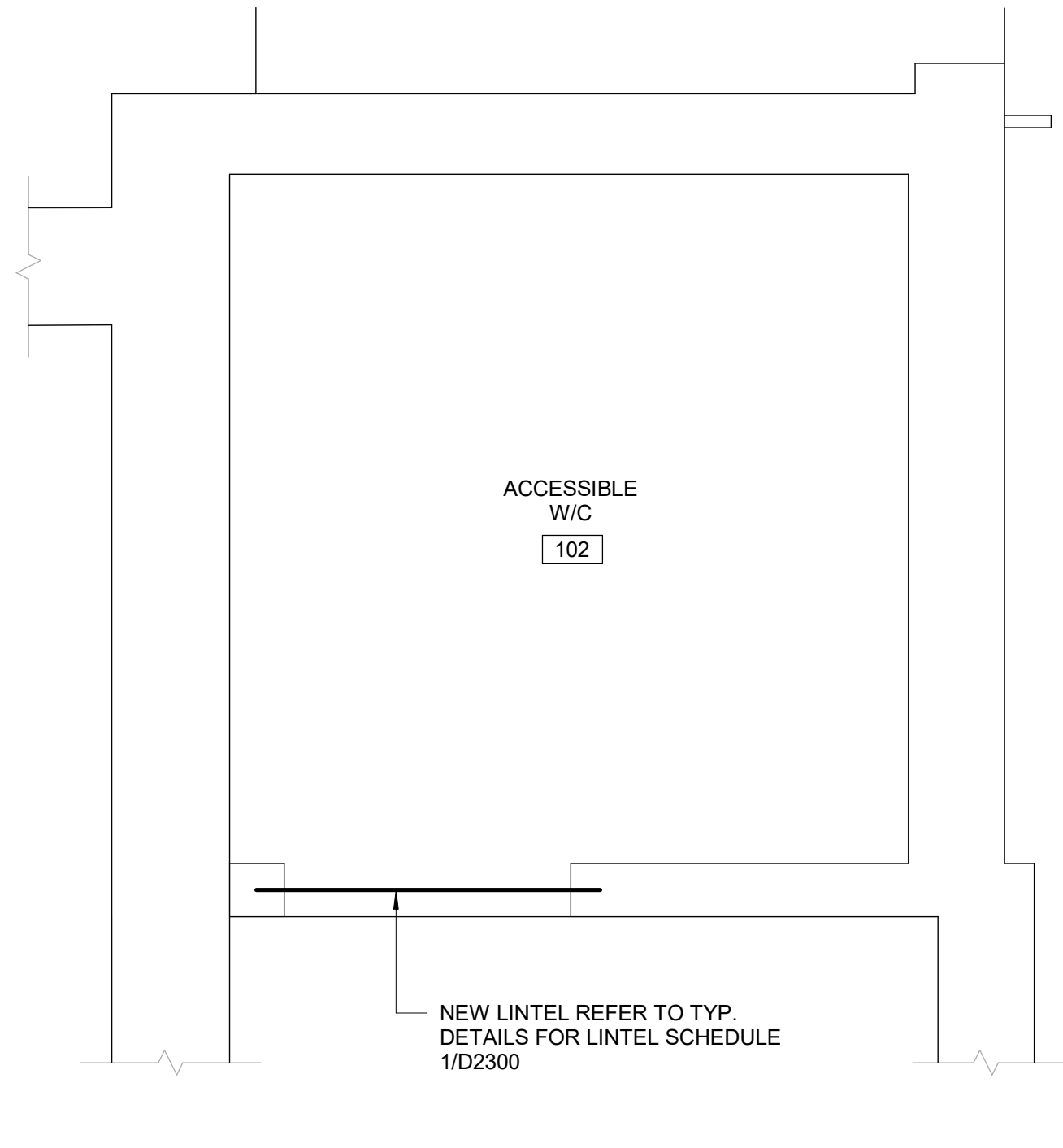
1 FIRST FLOOR DEMOLITION PLAN
S2501 / Scale: 1 : 25



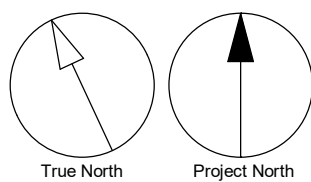
3 FIRST FLOOR DEMOLITION PLAN ABOVE THE DOOR
S2501 / Scale: 1 : 25



2 FIRST FLOOR PROPOSED PLAN
S2501 / Scale: 1 : 25



4 FIRST FLOOR PROPOSED PLAN ABOVE THE DOOR
S2501 / Scale: 1 : 25



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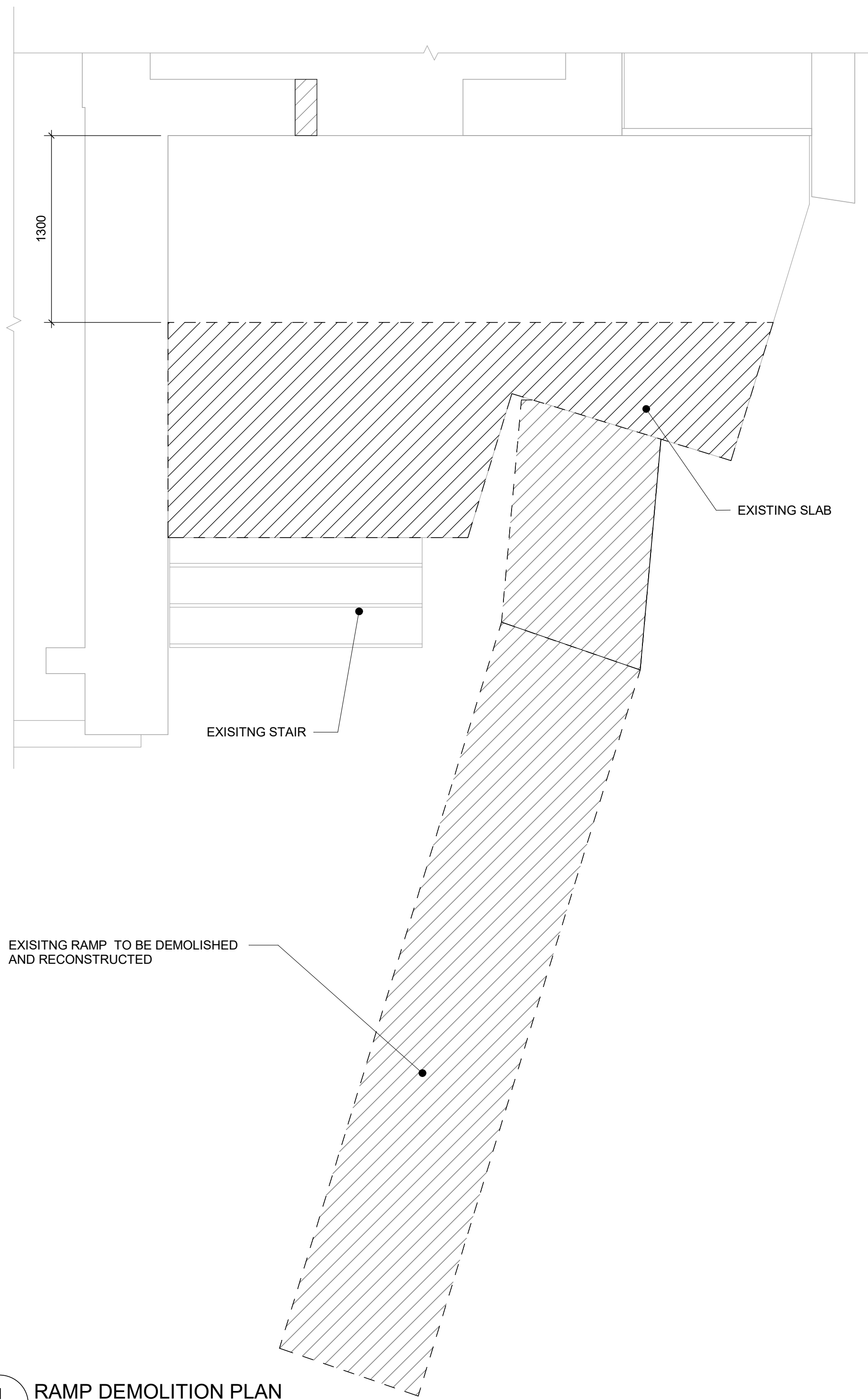
PROJECT TITLE
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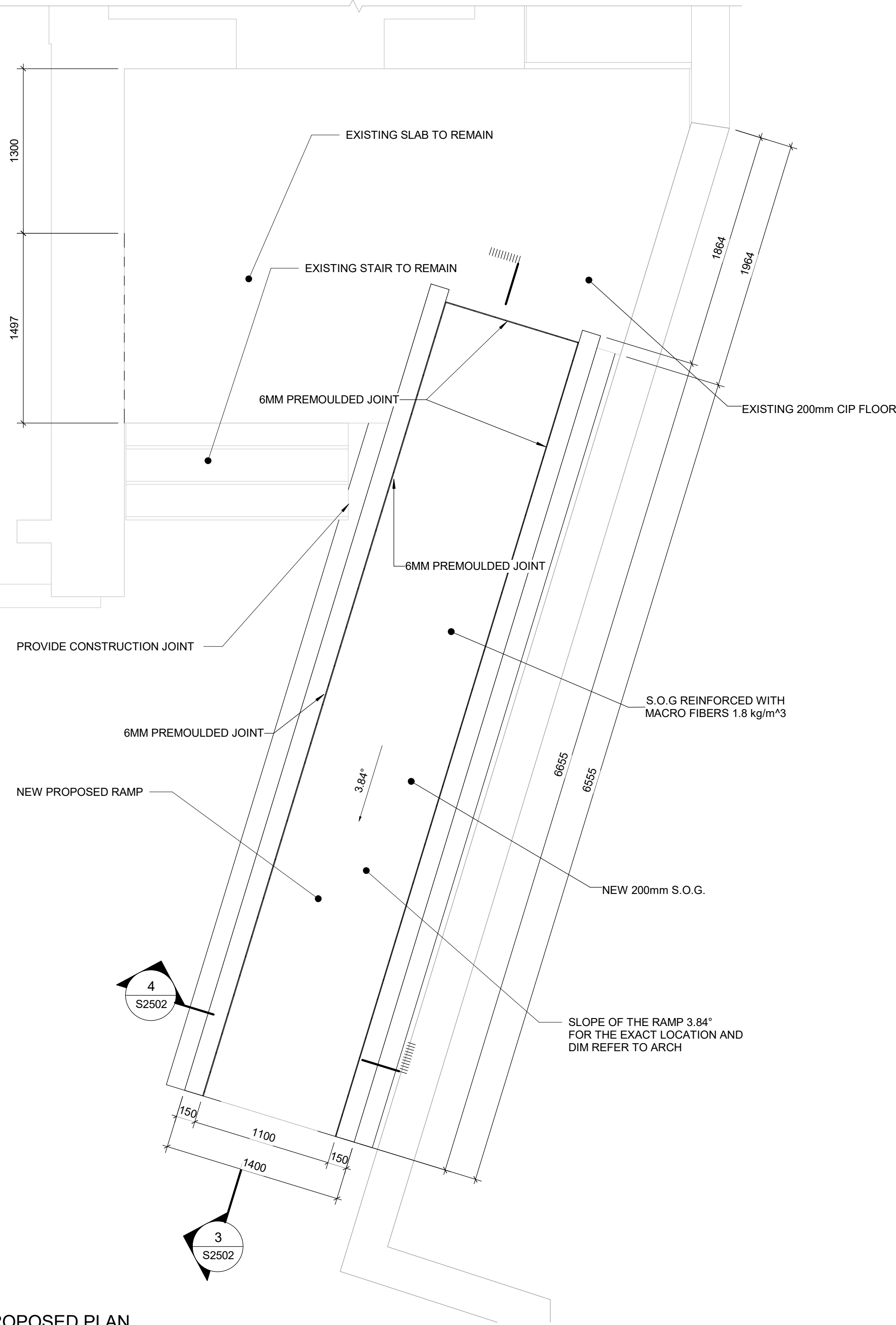
PROJECT NO:
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DRAWN BY:
L. CHATZIGIANNAKOS
PROJECT MGR:
L. SOSA
CHECKED BY:
M. FAYAZI
APPROVED BY:
K. ANGER

SHEET TITLE
**FIRST FLOOR PLAN -
WASHROOM**

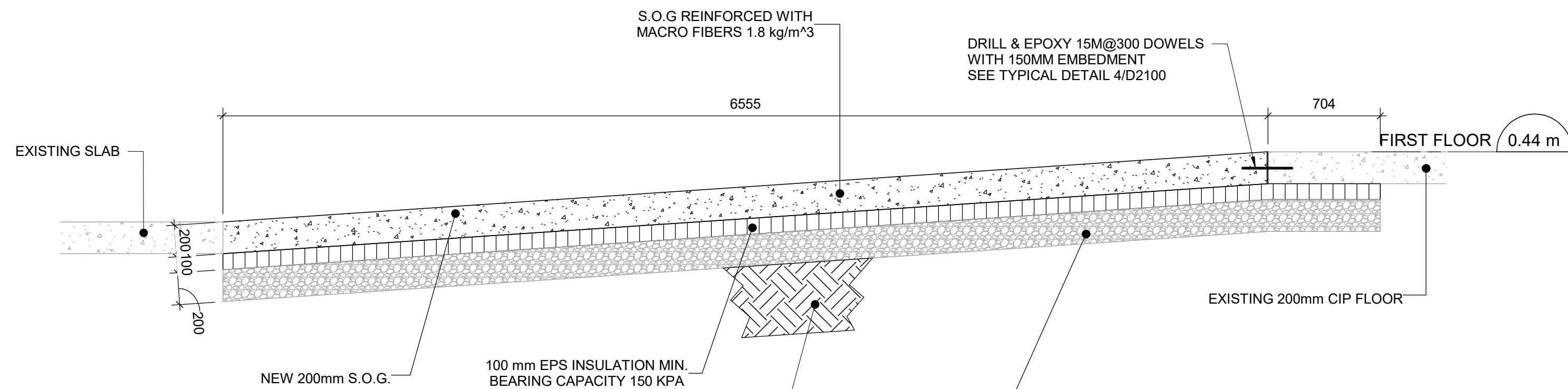
SHEET NUMBER
G29-307-S2501
ISSUE
D



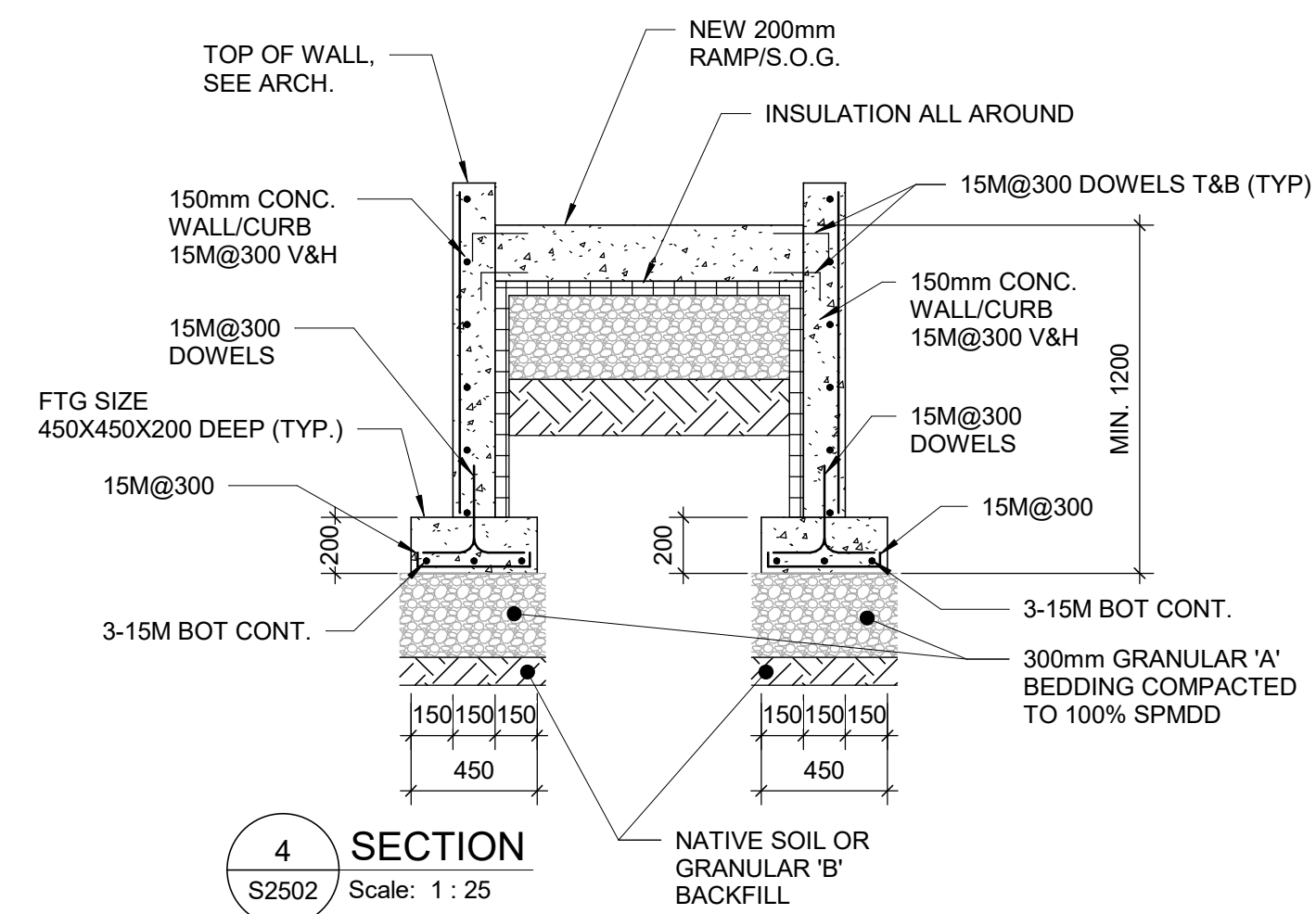
1 RAMP DEMOLITION PLAN
S2502 Scale: 1 : 25



2 RAMP PROPOSED PLAN
S2502 Scale: 1 : 25



3 SECTION
S2502 Scale: 1 : 25



4 SECTION
S2502 Scale: 1 : 25

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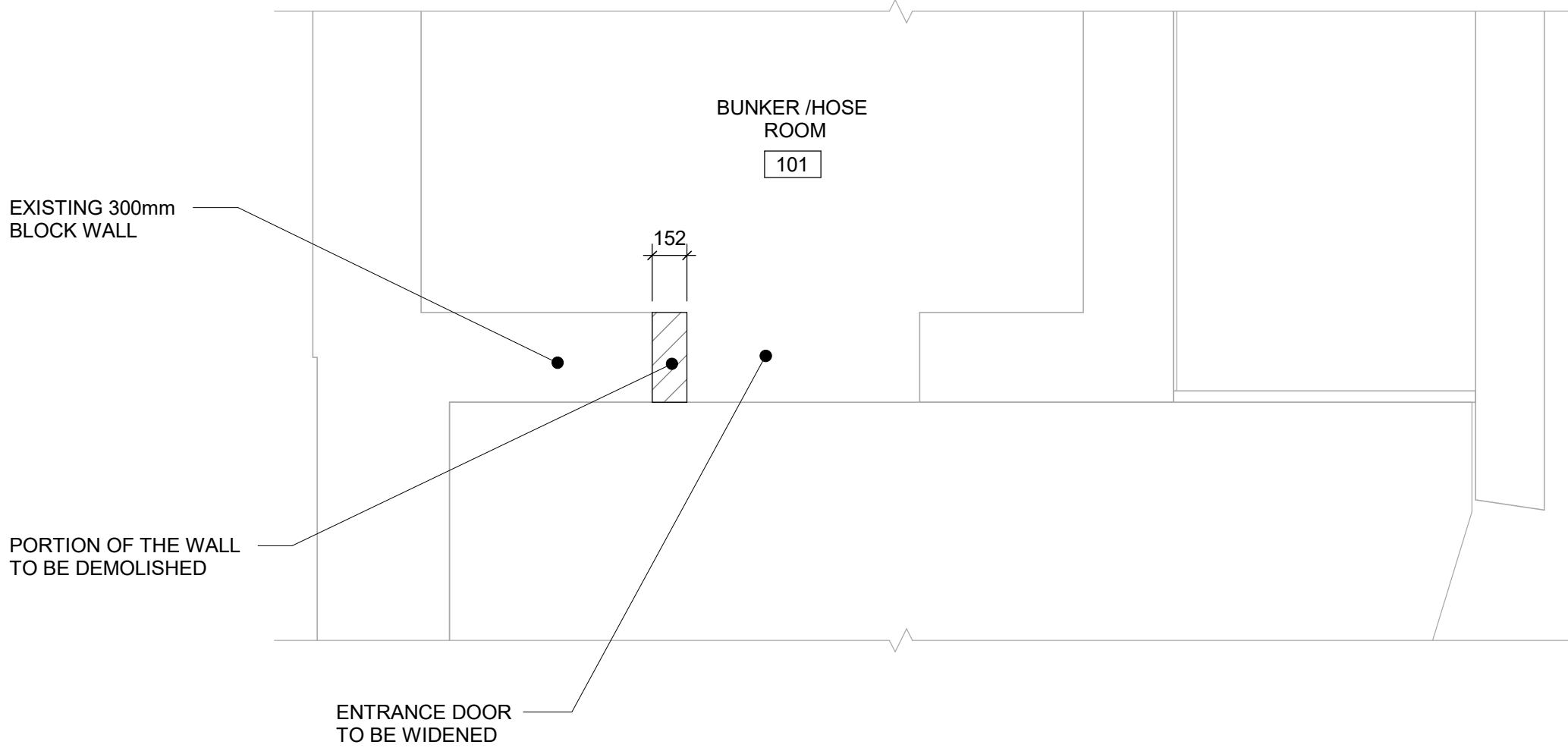
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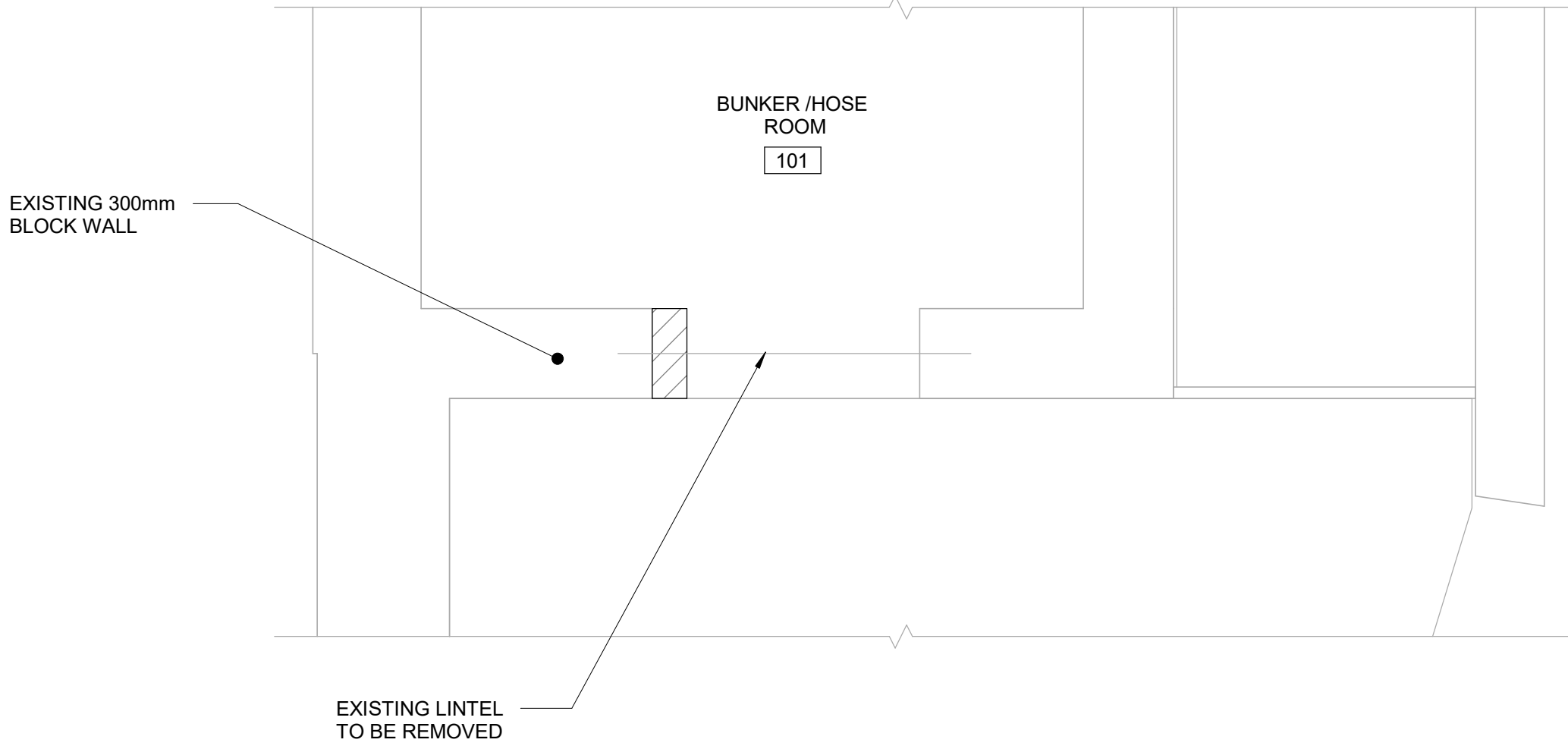
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DRAWN BY:
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PROJECT MGR:
L. SOSA
CHECKED BY:
M. FAYAZI
APPROVED BY:
K. ANGER

SHEET TITLE
**RAMP PLAN, DETAILS &
SECTION**

SHEET NUMBER
G29-307-S2502
ISSUE
D

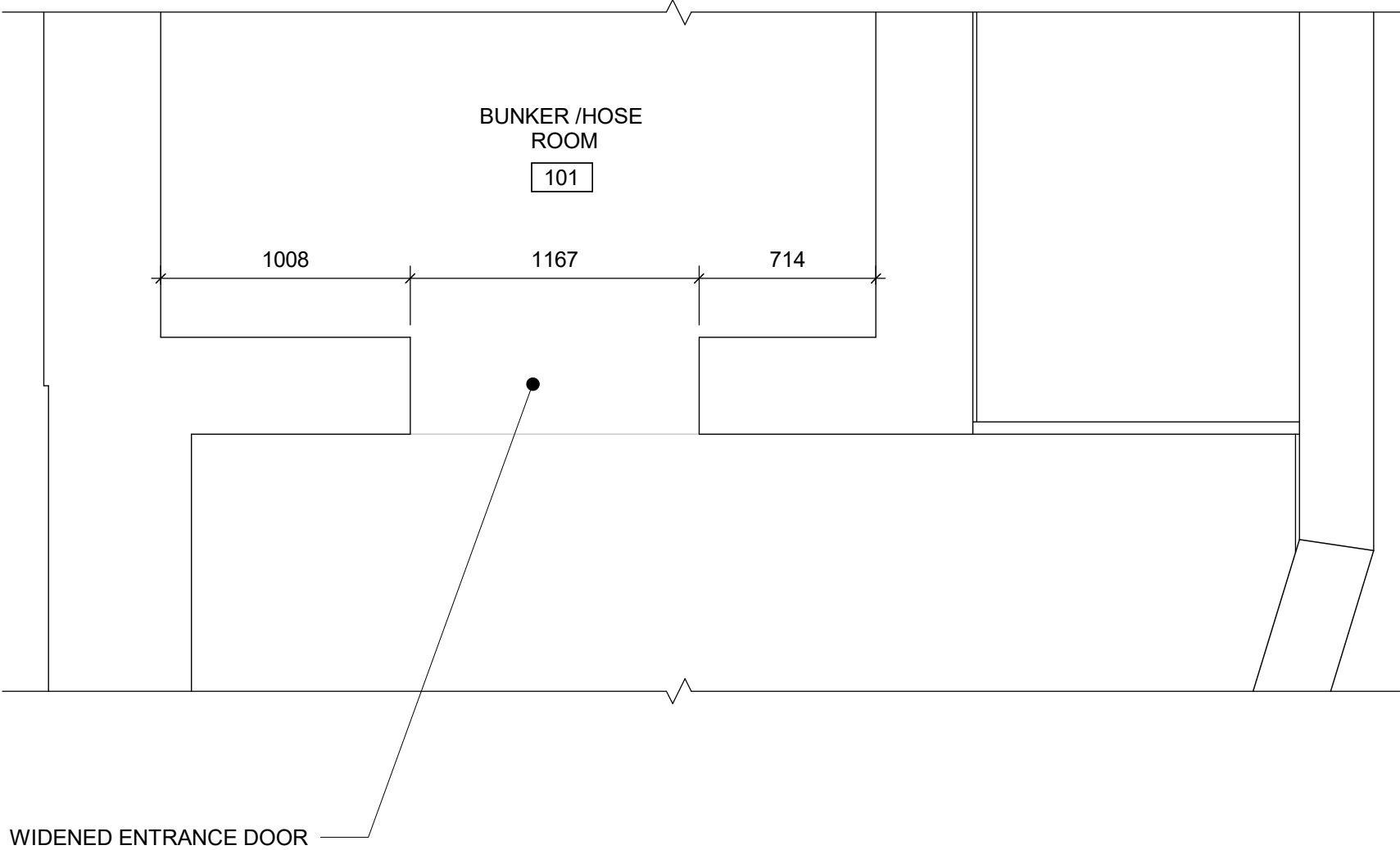


1 FIRST FLOOR DEMOLITION PLAN - ENTRANCE DOOR
S2503 Scale: 1 : 25

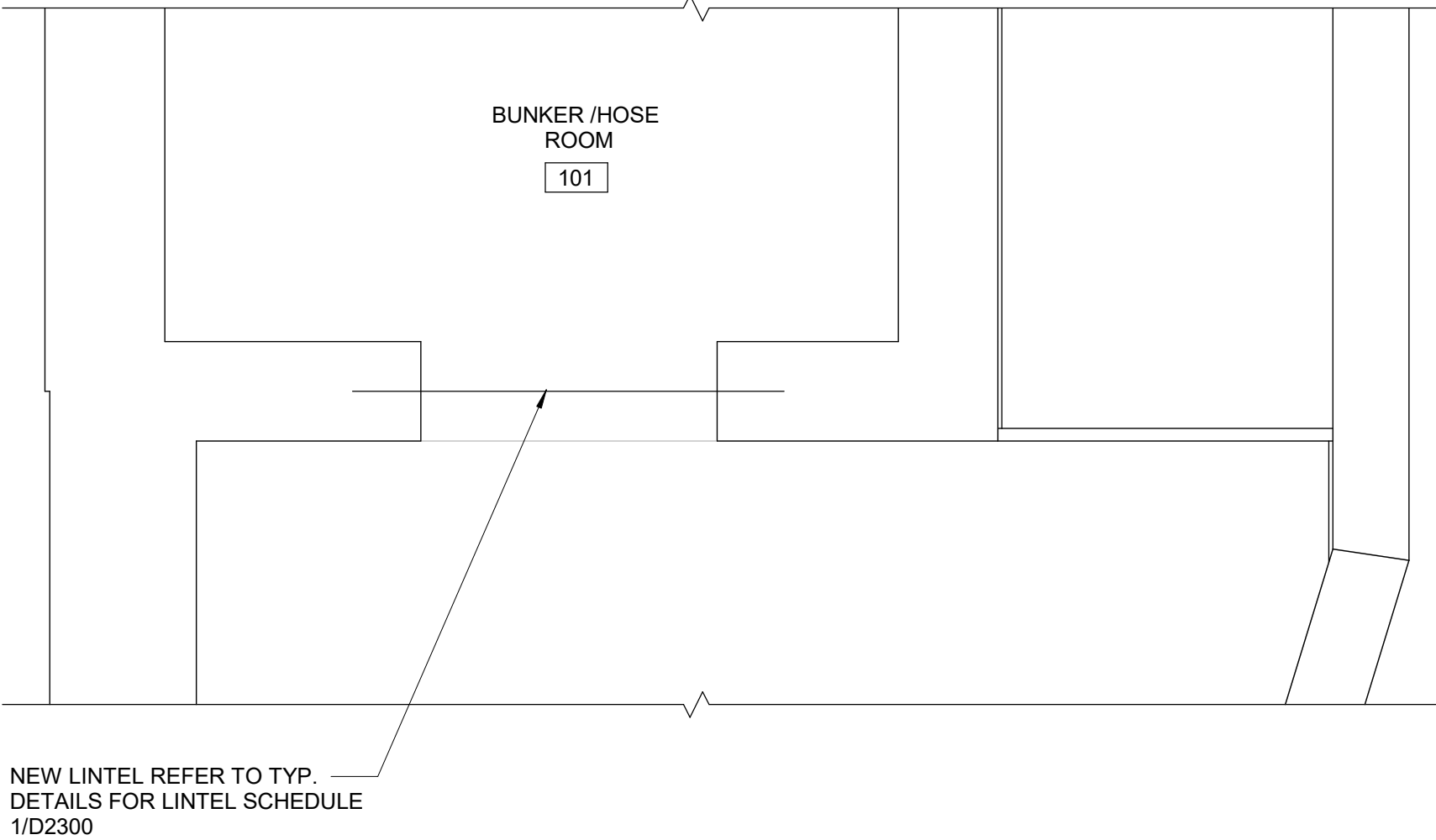


3 FIRST FLOOR DEMOLITION PLAN - ABOVE ENTRANCE DOOR
S2503 Scale: 1 : 25

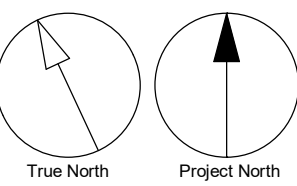
NOTE:
CONTRACTOR SHALL INVESTIGATE THE
CONNECTION OF THE CANOPY TO THE
BUILDING AND INFORM IBI.
CANOPY SHOULD BE DETACHED FROM
THE BUILDING INTACT AND REINSTLLED
AGAIN AFTER THE DOOR WIDENING PROCESS FINISHED.



2 FIRST FLOOR PROPOSED PLAN - ENTRANCE DOOR
S2503 Scale: 1 : 25




4 FIRST FLOOR PROPOSED PLAN - ABOVE ENTRANCE DOOR
S2503 Scale: 1 : 25



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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

Fire Hall No. 324
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PROJECT NO:
9119-19-0162 / IBI 22260

DRAWN BY:
L. CHATZIGIANNAKOS

CHECKED BY:
M. FAYAZI

PROJECT MGR:
L. SOSA

APPROVED BY:
K. ANGER

SHEET TITLE

FIRST FLOOR PLAN -
ENTRANCE DOOR

SHEET NUMBER

G29-307-S2503

ISSUE

D

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

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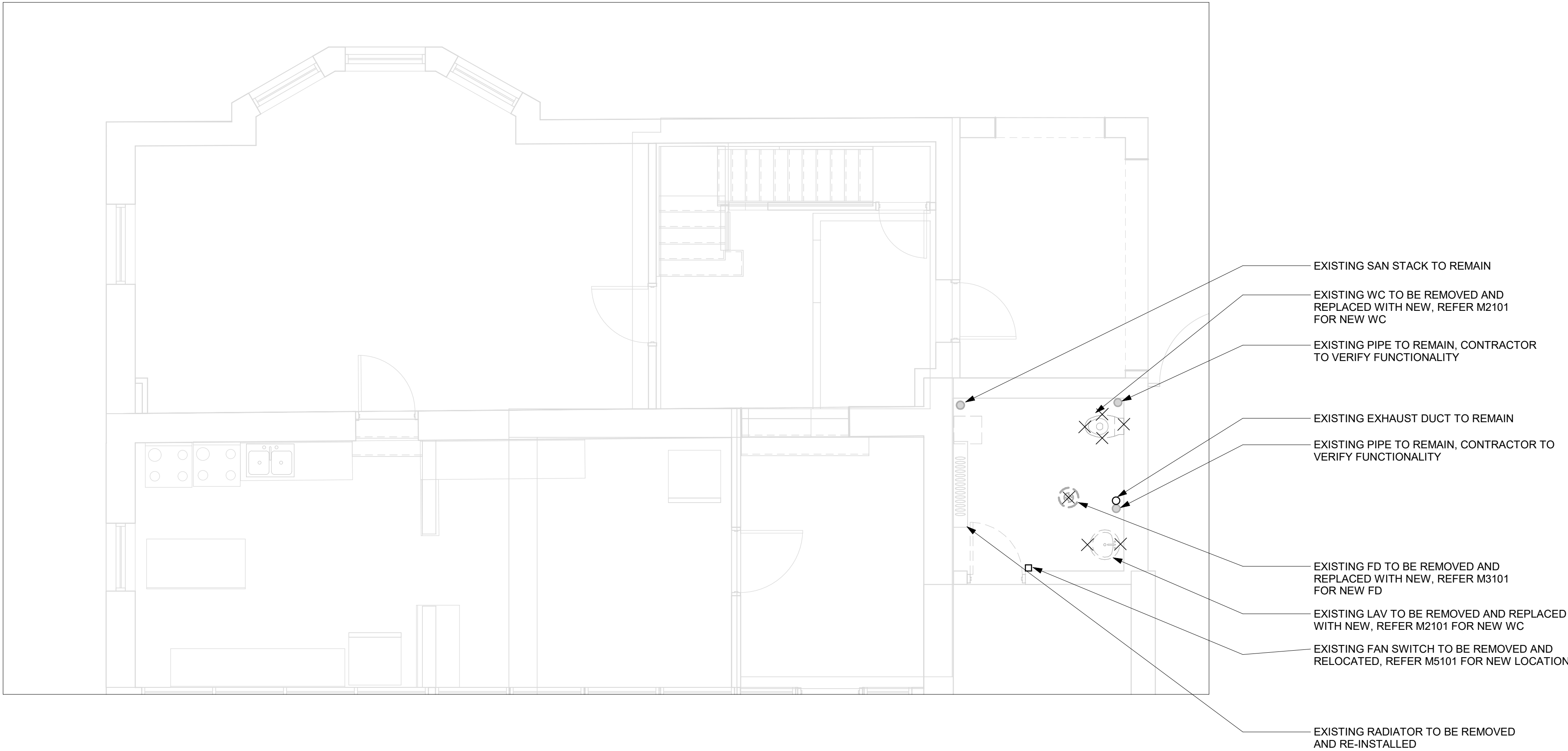
Fire Hall No. 324
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PROJECT NO: 122260	
DRAWN BY: K.DURUKAN	CHECKED BY: B.LIAO
PROJECT MGR: I.WINDSOR	APPROVED BY: S.LIU

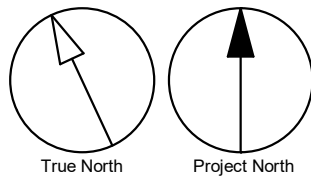
SHEET TITLE
MECHANICAL DRAWING
LIST

SHEET NUMBER G29-307-M0001	ISSUE D
-------------------------------	------------

2022-02-16 12:13:02 PM



- GENERAL NOTES:
1. CONTRACTOR TO VERIFY SITE CONDITION.
 2. REMOVE AND CAP EXISTING SERVICES AS SHOWN ON THE DRAWING.
 3. ALL EXISTING SERVICES SHALL REMAIN UNLESS OTHERWISE NOTED.



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PROJECT ADDRESS

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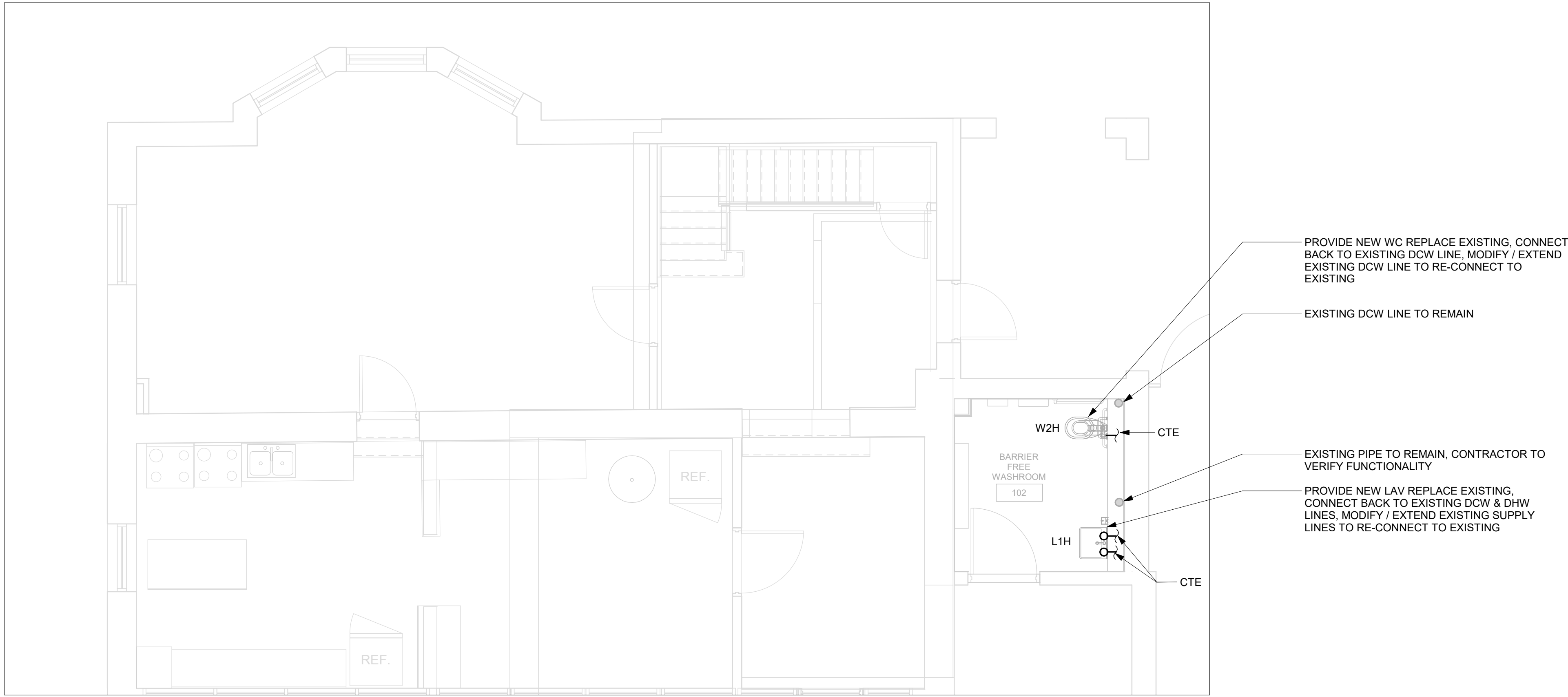
PROJECT NO: 122260	
DRAWN BY: K.DURUKAN	CHECKED BY: B.LIAO
PROJECT MGR: I. WINDSOR	APPROVED BY: S.LIU

SHEET TITLE

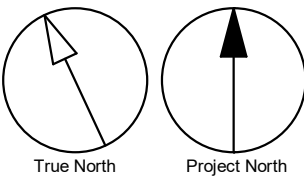
**DEMOLITION PLAN -
GROUND FLOOR**

SHEET NUMBER	ISSUE
G29-307-M1101	D

2022-02-16 12:13:02 PM



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



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840 Gerrard St. E.**

PROJECT NO: 122260	
DRAWN BY: K.DURUKAN	CHECKED BY: B.LIAO
PROJECT MGR: I.WINDSOR	APPROVED BY: S.LIU

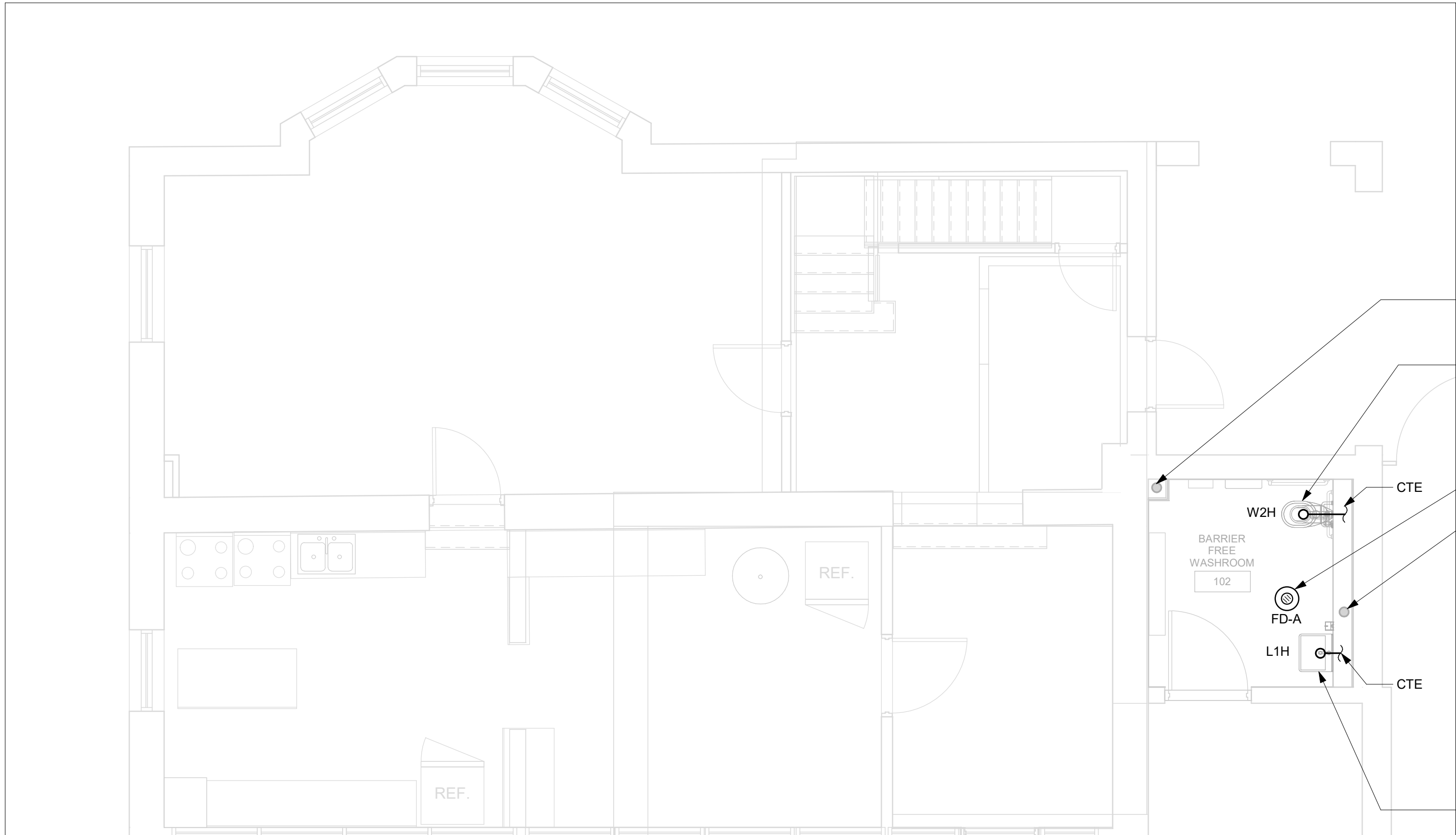
SHEET TITLE
**PLUMBING - GROUND
FLOOR**

SHEET NUMBER G29-307-M2101	ISSUE D
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BM 360/122260 - CoT TAU Upgrades R2020122260-TAU-14-307-840GRDSE-M-R20.rvt
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Scale 1:50



EXISTING SAN STACK TO REMAIN

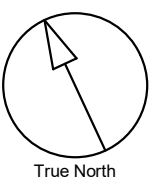
PROVIDE NEW WC REPLACE EXISTING, CONNECT BACK TO EXISTING SAN LINE, MODIFY / EXTEND EXISTING SAN LINE TO RE-CONNECT TO EXISTING

PROVIDE NEW FD, REPLACE EXISTING, MATCH NEW FD SIZE WITH EXISTING

EXISTING PIPE TO REMAIN, CONTRACTOR TO VERIFY FUNCTIONALITY

PROVIDE NEW LAV REPLACE EXISTING, CONNECT BACK TO EXISTING SAN LINE, MODIFY / EXTEND EXISTING SAN LINE TO RE-CONNECT TO EXISTING

- GENERAL NOTES:
- REFER TO SPECIFICATIONS FOR PLUMBING FIXTURE UNIT TYPES.
 - 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.
 - ALL NEW FLOOR DRAINS SHALL BE C/W P-TRAP AND PRIMER.
 - PROVIDE FIRE STOP FOR ALL PIPE PENETRATIONS THROUGH FIRE SEPERATIONS.
 - ALL UNDERGROUND SANITARY PIPING SHALL BE MINIMUM 75mmØ UNLESS OTHERWISE NOTED.



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**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

**Fire Hall No. 324
840 Gerrard St. E.**

PROJECT NO:
122260

DRAWN BY:
K.DURUKAN

CHECKED BY:
B.LIAO

PROJECT MGR:
I. WINDSOR

APPROVED BY:
S.LIU

SHEET TITLE
**DRAINAGE - GROUND
FLOOR**

SHEET NUMBER

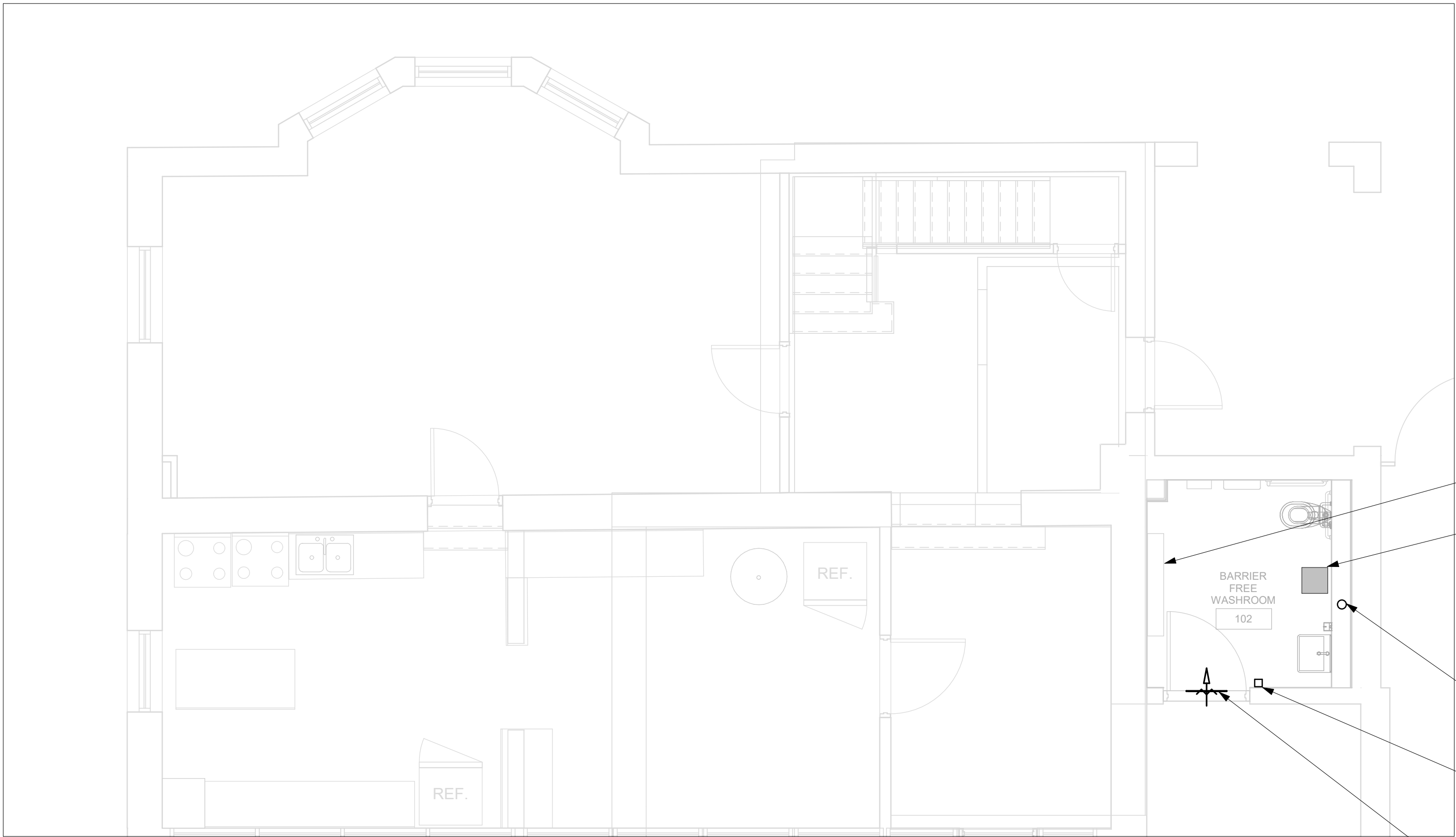
G29-307-M3101

ISSUE

D

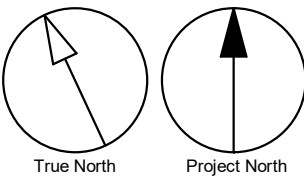
2022-02-16 12:13:02 PM

Scale 1:50



- RE-INSTALL EXISTING RADIATOR, CONNECT BACK TO EXISTING
- EXISTING EF AND ASSOCIATED DUCT TO REMAIN
- EXISTING EXHAUST DUCT TO REMAIN
- EXISTING FAN SWITCH RE-INSTALLED TO 1200MM ABOVE FINISHED FLOOR. RE-WIRE TO EXISTING WHEN REQUIRED
- PROVIDE NEW 500X250 DOOR GRILLE

- GENERAL NOTES:
- ADD AND ADJUST DUCTS TO FIT NEW DIFFUSERS/GRILLES.
 - THERMOSTATS TO BE MOUNTED AT 1200mm A.F.F.



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PROJECT NO: 122260	
DRAWN BY: K.DURUKAN	CHECKED BY: B.LIAO
PROJECT MGR: I.WINDSOR	APPROVED BY: S.LIU

SHEET TITLE

HVAC - GROUND FLOOR

SHEET NUMBER	ISSUE
G29-307-M5101	D

2022-02-16 11:05:23 AM



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

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PROJECT ADDRESS

Fire Hall No. 324
840 Gerrard St. E.

PROJECT NO:
9119-19-0162 / IBI 22260

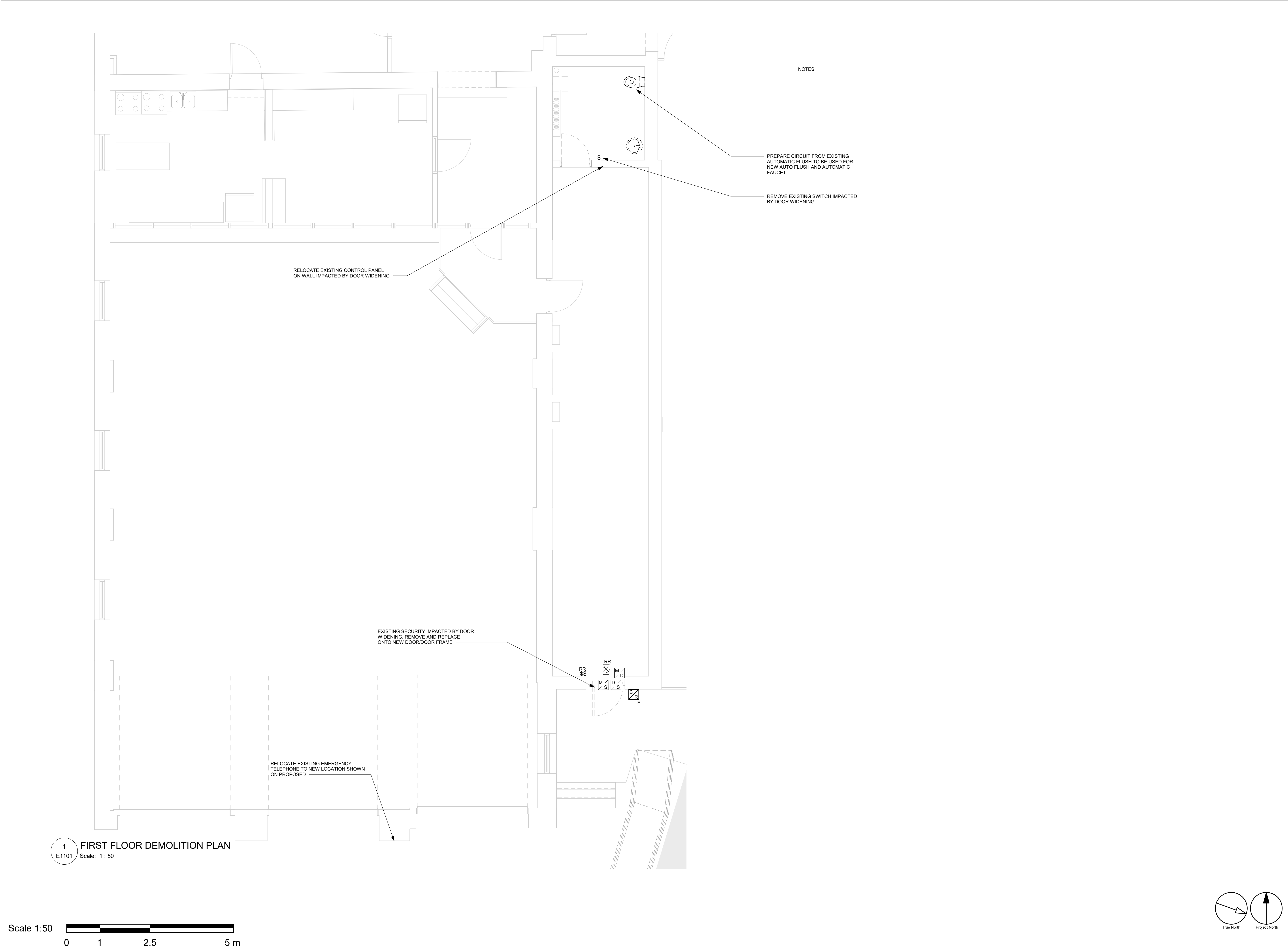
DRAWN BY: M.BOJIC	CHECKED BY: P. WILLIAMS
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PROJECT MGR: L. SOSA	APPROVED BY: P. WILLIAMS
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SHEET TITLE
DRAWING LIST

SHEET NUMBER G29-307-E0000	ISSUE D
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BIW 360//122260 - CoT TAU Upgrades R2020122260-TAU-14-307-840GRLDSIE-E-R20.rvt 1/1



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CITY OF TORONTO



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

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ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-10-05
B	90% SUBMISSION	2021-12-17
C	BUILDING PERMIT	2021-12-17
D	ISSUED FOR TENDER	2022-02-16

CONSULTANTS

SEAL

PRIME CONSULTANT



IBI GROUP
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tel 416 679 1930 fax 416 675 4620
ibigroup.com

PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

Fire Hall No. 324
840 Gerrard St. E.

PROJECT NO:
9119-19-0162 / IBI 22260

DRAWN BY:
M. BOJIC

CHECKED BY:
P. WILLIAMS

PROJECT MGR:
L. SOSA

APPROVED BY:
P. WILLIAMS

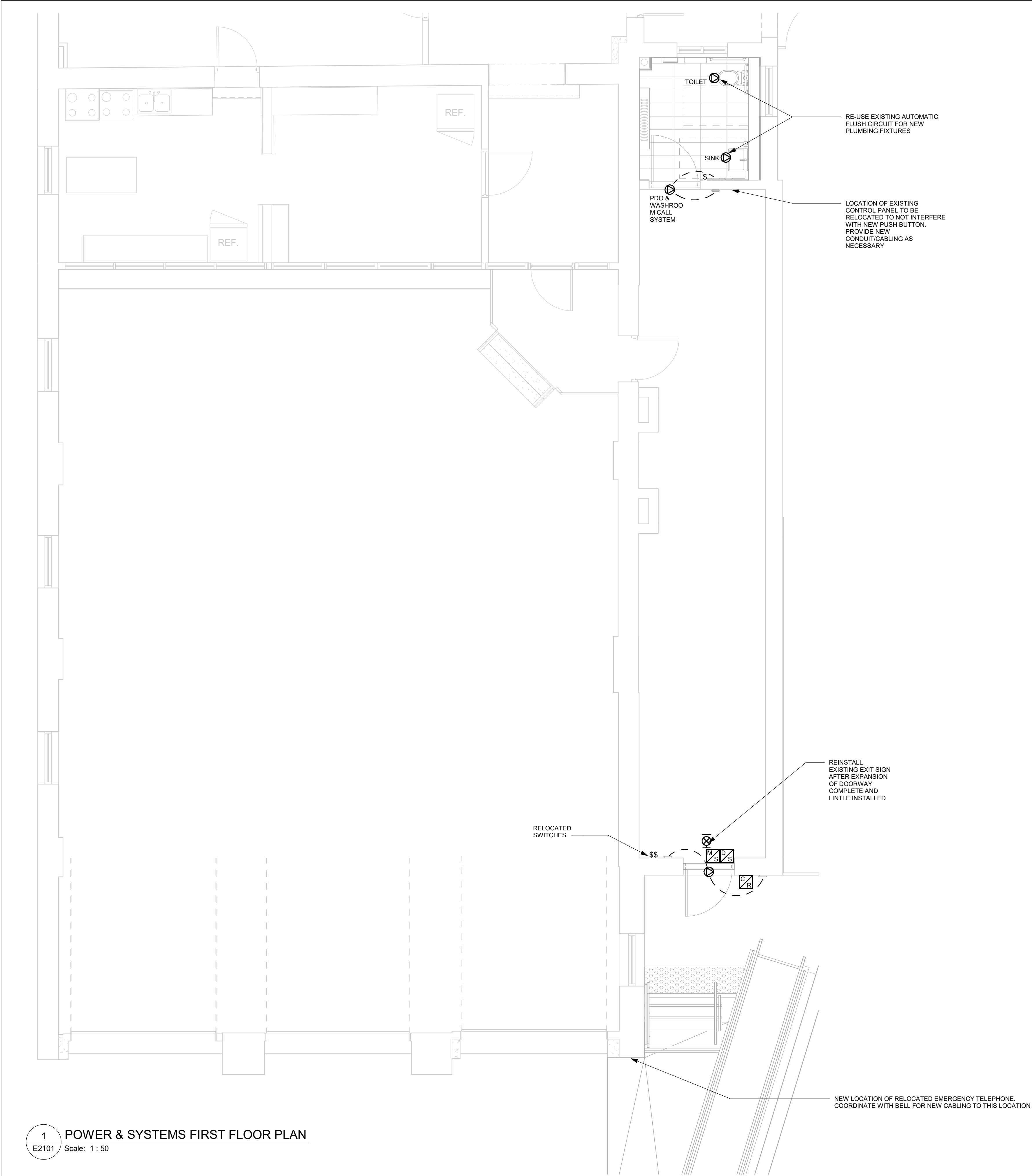
SHEET TITLE
ELECTRICAL
DEMOLITION PLAN 1ST
FLOOR

SHEET NUMBER

G29-307-E1101

ISSUE

D



1 POWER & SYSTEMS FIRST FLOOR PLAN
E2101 Scale: 1 : 50



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PROJECT TITLE

**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

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PROJECT NO: 9119-19-0162 / IBI 22260	
DRAWN BY: M.BOJIC	CHECKED BY: P. WILLIAMS
PROJECT MGR: L. SOSA	APPROVED BY: P. WILLIAMS

SHEET TITLE

**POWER & SYSTEMS
PLAN 1ST FLOOR**

SHEET NUMBER	ISSUE
G29-307-E2101	D