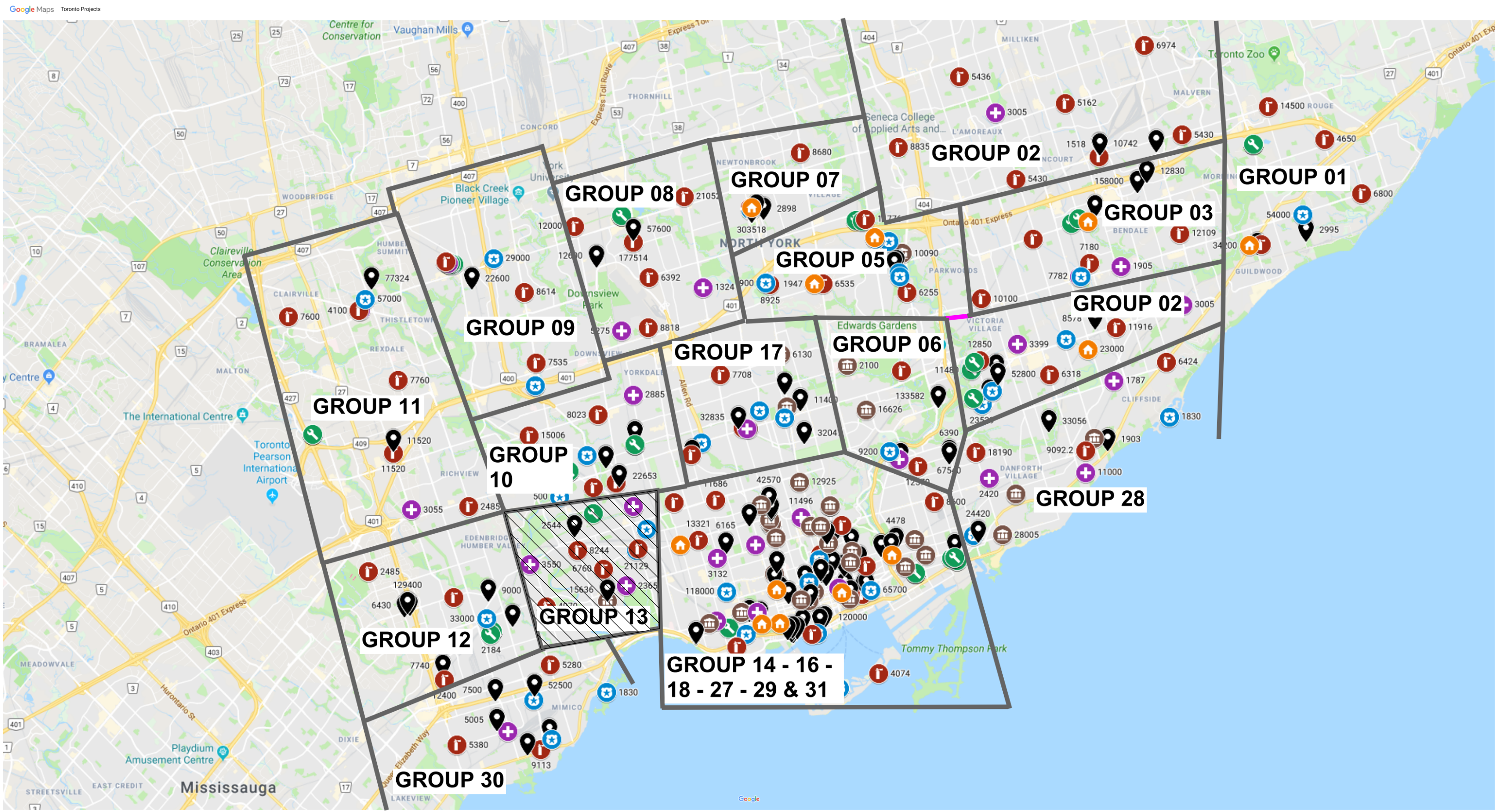


# CITY OF TORONTO

# ACCESSIBILITY UPGRADES

## GROUP 5

9119- 19- 0162 / Arcadis 30279056



COVER PAGE GROUP 05	
SHEET #	SHEET TITLE
G05-GAL-G1001	COVER PAGE, GENERAL DRAWING LIST, BUILDING LIST

GENERAL LAYOUTS GROUP 05	
SHEET #	SHEET TITLE
G05-GAL-G1002	ARCHITECTURAL GENERAL NOTES, ABBREVIATIONS & REFERENCE SYMBOLS
G05-GAL-G1003	WALL TYPES
G05-GAL-G1004	DOOR TYPES
G05-GAL-G2001	STRUCTURAL GENERAL NOTES
G05-GAL-G2002	ABBREVIATIONS & SYMBOLES
G05-GAL-G3001	MECHANICAL LEGEND SHEET 1 OF 2
G05-GAL-G3002	MECHANICAL LEGEND SHEET 2 OF 2
G05-GAL-G4001	ELECTRICAL LEGEND SHEET 1 OF 2
G05-GAL-G4002	ELECTRICAL LEGEND SHEET 2 OF 2
G05-GAL-G4003	ELECTRICAL GENERAL NOTES

GROUP 05 BUILDING INDEX		
SERIAL #	BUILDING ADDRESS	BUILDING DESCRIPTION
1	10 WILLIAM CARSON CRESCENT	FIRE HALL NO. 121
10	1026 FINCH AVE. W	FINCH YARD BLDG A
30	125 MOATFIELD DR	DAVID DUNCAN HOUSE - RESTAURANT
48	14 DYAS RD	CITY CLERK'S RECORDS CENTRE
59	143 BOND AVE.	FIRE HALL NO. 123
83	160 DUNCAN MILL RD.	BUILDING
143	2545 BAYVIEW AVE.	FIRE HALL NO. 122
175	300 LESMILL RD.	BUILDING
249	50 UPJOHN RD.	POLICE NO. 33 DIVISION

TOUCH AND FEEL BOOKLET

TYPICAL DETAILS BOOKLET

NOT FOR CONSTRUCTION

ISSUED FOR TENDER

CITY OF TORONTO



55 John ST.  
TORONTO, ON  
M5V 3C6

ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2022-01-20
B	90% SUBMISSION	2022-02-22
C	ISSUED FOR PERMIT	2022-03-18
D	ISSUED FOR TENDER	2025-04-11

PRIME CONSULTANT

**ARCADIS**

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

PROJECT NO: 9119- 19- 0162 / Arcadis 30279056	
DATE: 2025-04-11	
SHEET NUMBER G05-GAL-G0001	ISSUE D

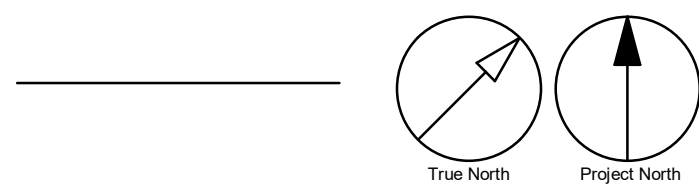


ABBREVIATIONS

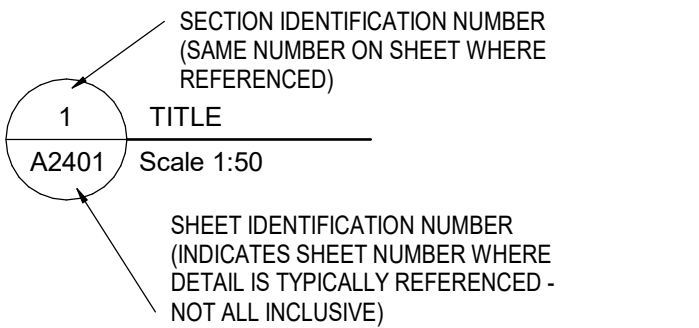
@	AT	ECB	EMERGENCY CALL BUTTON	LNS	LINOLEUM SHEET	RS	RUBBER SHEET FLOORING
A	ANGLE	ECF	EMERGENCY CALL SIGNAGE	LNT	LINOLEUM TILE	RST	RUBBER STAIR TREADS
A/C	AIR CONDITIONER / CONDITIONING	EF	EACH FREE	LP	LOW POINT	RSTR	RUBBER STAIR TREADS & RISERS
ABV	ABOVE	EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	LT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

REFERENCE SYMBOLS

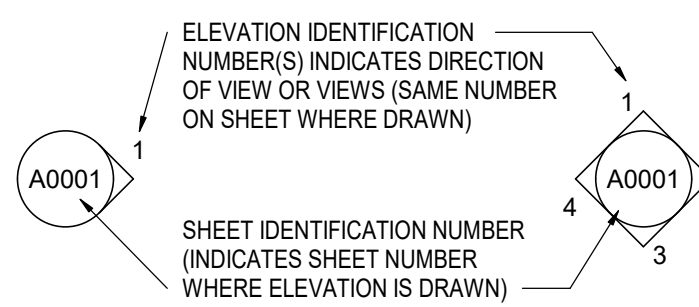
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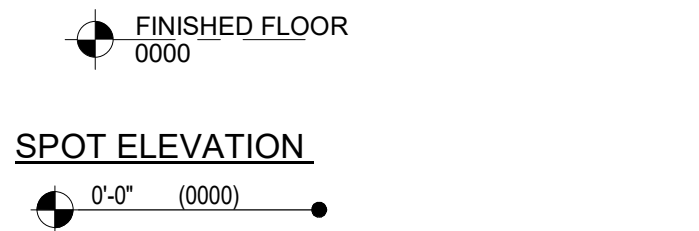
TITLE IDENTIFICATION



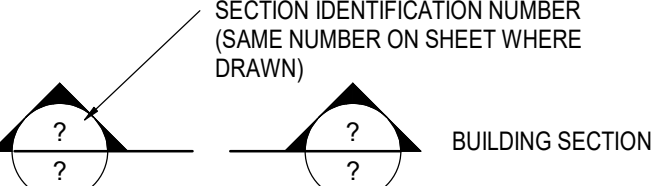
ELEVATION LOCATION IDENTIFICATION



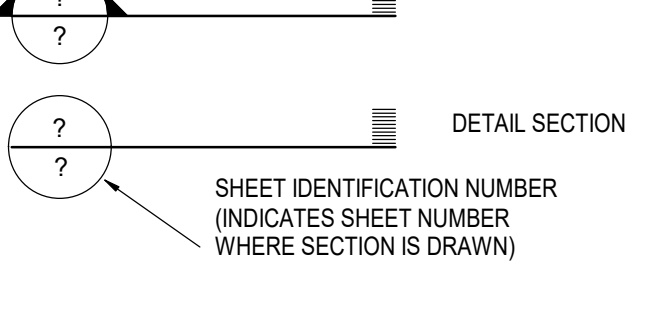
ELEVATION INDICATION - (FLOORS, ETC...)



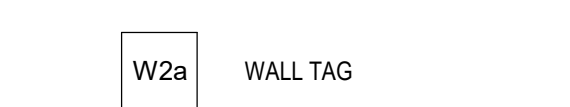
SECTION LOCATION IDENTIFICATION



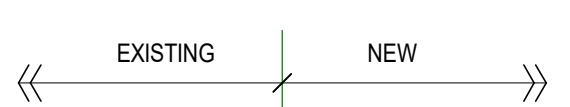
DETAIL LOCATION IDENTIFICATION



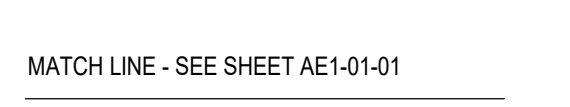
PARTITION TYPE INDICATION



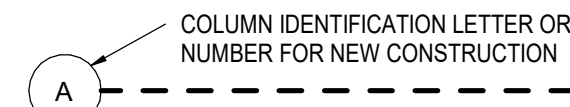
MATERIAL OR WORK DIVISION INDICATION



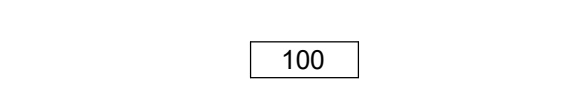
MATCH LINE INDICATION



COLUMN INDICATION



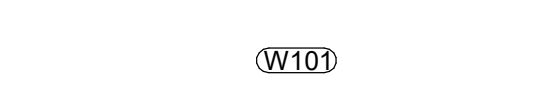
ROOM NAME AND NUMBER INDICATION



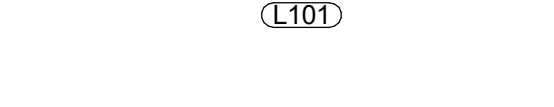
NEW DOOR NUMBER INDICATION



WINDOW NUMBER INDICATION



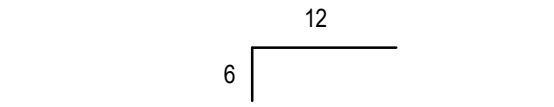
LOUVER NUMBER INDICATION



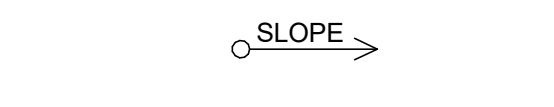
CEILING TAG



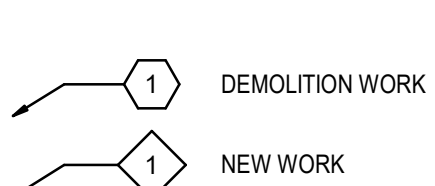
ROOF OR RAMP PITCH INDICATION



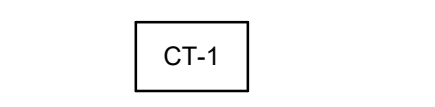
ROOF OR RAMP SLOPE INDICATION



KEYED NOTE SYMBOLS



FLOOR FINISH TAG



REVISION INDICATION



CAMERA VIEW



GENERAL NOTES

- PERFORM THE WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE ONTARIO BUILDING CODE, CITY OF TORONTO ACCESSIBILITY DESIGN GUIDELINES OCTOBER 7TH 2016 DRAFT AND ANY OTHER APPLICABLE REQUIREMENT OF AUTHORITIES HAVING JURISDICTION AND/OR LEGISLATION, PROVIDED THAT, IN THE CASE OF CONFLICT OR DISCREPANCY.
- THE CONSULTANT IS NOT RESPONSIBLE FOR INFORMATION CONCERNING THE SITE AND SURVEY INFORMATION PREPARED BY OTHERS.
- DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND THE ASSOCIATED STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS AND ALL OTHER RELEVANT CONSULTANT DRAWINGS.
- CONTRACTOR TO SITE VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO CONSULTANT.
- CONTRACTOR SHALL VERIFY THE SITE INFORMATION PRIOR TO PROCEEDING WITH THE WORK. FAILURE TO REPORT ANY DISCREPANCIES SHALL CONSTITUTE ACCEPTANCE OF THE SITE CONDITIONS.
- THE CONTRACTOR SHALL REVIEW THE DRAWINGS FOR SCOPE OF DEMOLITION AND NEW WORK, INCLUDING ALL DISCIPLINES, AND SHALL COORDINATE WITH NEW WORK DRAWINGS FOR EXACT EXTENT OF DEMOLITION.
- SCOPE OF WORK SHALL NOT BE LIMITED TO THAT SHOWN ON THE DRAWINGS AND SHALL INCLUDE WORK REQUIRED TO ELIMINATE ALL EXISTING, ABANDONED OR REDUNDANT COMPONENTS, AND TO FACILITATE PROPER EXECUTION OF THE WORK.
- ALL DIMENSIONS, INCLUDING EXISTING DIMENSIONS AND SETTING-OUT GEOMETRIES, SHALL BE SITE VERIFIED BY THE CONTRACTOR PRIOR TO PROCEEDING WITH THE WORK.
- COORDINATE AND PROVIDE APPROPRIATE CUTS TO ALL PARTITIONS FOR THE INSTALLATION OF DOOR FRAMES AS REQUIRED.
- PROVIDE 16-18 GA SHEET METAL REINFORCEMENT INSTALLED ON THE STUDS PRIOR TO INSTALLING THE GYPSUM BOARD IN THE LOCATIONS REQUIRED TO SUPPORT WALL MOUNTED ITEMS.
- ISOLATE ALL MECHANICAL PIPES DUCTS AND EQUIPMENT FROM INTERIOR PARTITIONS TO AVOID ACOUSTIC NOISE TRANSFER.
- MAINTAIN CONTINUITY OF BUILDING ENVELOPE AIR / VAPOUR BARRIER TRANSITIONS AND PENETRATIONS WITH MEMBRANES LAPPED AND APPROVED SEALANTS COMPATIBLE WITH MEMBRANE PRODUCTS USED.
- REINSTATE INTEGRITY OF FIRE SEPARATION WHEN PATCHING. PROVIDE AND INSTALL FIRE STOPPING AND SMOKE SEALS AT ALL NEW SERVICE PENETRATIONS THROUGH FLOORS, WALLS AND CEILINGS IN ACCORDANCE WITH OBC. LATEST EDITION REQUIREMENTS. REFER TO MECHANICAL DRAWINGS FOR ANY FIRE DAMPER REQUIREMENTS.
- ENSURE THAT FOR ALL FIRE SEPARATIONS INDICATED ON THE DRAWINGS, ALL COMPONENTS OF THE ASSEMBLY SHALL BE OF APPROVED MATERIALS, AND INSTALLATION/FABRICATION PROCEDURES ARE PER DIRECTION OF THE INDICATED "UNDERWRITERS LABORATORIES OF CANADA LTD." LATEST EDITION MANUAL AND OTHERWISE MEETING THE REQUIREMENTS OF THE ONTARIO BUILDING CODE. ALL FIRE SEPARATIONS MUST BE CONTINUOUS, AND ALL JOINTS TO BE SMOKE TIGHT. MAINTAIN CONTINUITY OF ALL FIRE SEPARATIONS AND PENETRATIONS WITH APPROVED U.L.C. LISTED FIRE STOPPING SYSTEMS AND FIRE SEALANTS BOTH SIDES OF PARTITIONS.
- ULC LISTED FIRE-RATED SEALANT IS TO BE APPLIED TO ALL FIRE-RATED PARTITIONS AND LEFT EXPOSED FOR INSPECTION PURPOSES
- FOR ALL SUPPORTS AND CONNECTIONS OF EQUIPMENT PROVIDE SHOP DRAWINGS DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER LICENCED IN THE PROVINCE OF ONTARIO. .
- WHERE ITEMS NOTED TO BE DEMOLISHED MEET EXISTING WALLS / CEILING AND/OR FLOOR TO REMAIN, PATCH REPAIR AND MAKE GOOD EXISTING SURFACES. PROVIDE NEW INFILL MATERIAL TO MATCH EXISTING AND. MAINTAIN ALL FIRE RATED WALL CONSTRUCTION
- PROVIDE CUTTING, PATCHING AND CORING OF ALL WALLS, CEILING, ROOF AND OTHER SURFACES AS REQUIRED TO PERFORM THE WORK. PRIOR TO CUTTING OR CORING, SCAN THE SLAB/WALL/ROOF AND COORDINATE DRILLING/CUTTING TO AVOID CUTTING REINFORCING, CONDUITS, WIRING AND OTHER HIDDEN ITEMS. OBTAIN WRITTEN VERIFICATION OF PROPOSED DRILLING AND CUTTING LOCATIONS FROM THE STRUCTURAL ENGINEER.
- PATCH REPAIR AND MAKE GOOD EXISTING FLOOR SLAB.. IDENTIFY ON AS-BUILTS ALL LOCATIONS OF PATCH WORK
- BEFORE COMMENCING WORK, ESTABLISH LOCATION AND EXTENT OF EXISTING SERVICE LINES IN AREA OF WORK AND NOTIFY CONSULTANT OF FINDINGS. WHERE UNKNOWN SERVICES ARE ENCOUNTERED, IMMEDIATELY ADVISE AND CONFIRM FINDINGS IN WRITING.
- PROVIDE FOR DEMOLITION OF INCLUDING BUT NOT LIMITED TO, EXISTING WALLS, FLOORS, CEILINGS, ASSOCIATED FINISHES, MECHANICAL AND ELECTRICAL FIXTURES, DEVICES, DUCTS TO ALLOW FOR NEW WORK TO BE INSTALLED. COORDINATE BETWEEN TRADES FOR REMOVAL.
- CONCEAL ALL MECHANICAL AND ELECTRICAL WORK IN WALLS AND CEILINGS, EXCEPT AS INDICATED OTHERWISE OR APPROVED.
- VAPOUR BARRIER TO BE CONTINUOUS UNDER ALL NEW FLOOR SLABS. PATCH ALL CONCRETE CORE TEST AREAS, DEFECTS AND DEMOLITION LOCATIONS.
- ALL SPECIFIED MATERIALS SHALL BE INSTALLED AND FINISHED IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS. SHOULD SUCH INSTRUCTIONS DIFFER FROM THE SPECIFICATIONS OR DETAILS, ADVISE CONSULTANT IMMEDIATELY FOR DIRECTION.
- DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL SIMILAR CONDITIONS UNLESS NOTED OR DETAILED OTHERWISE.
- BRING ALL OMISSIONS AND DISCREPANCIES, INCLUDING DIMENSIONS, TO THE ATTENTION OF THE CONSULTANT PRIOR TO COMMENCEMENT OF ANY WORK.
- FULLY COORDINATE ALL ADDITIONAL SUPPORT REQUIRED FOR ANCHORAGE OF MECHANICAL EQUIPMENT OR DUCTS AND ELECTRICAL FIXTURES/EQUIPMENT. PROVIDE SEISMIC RESTRAINT DRAWINGS STAMPED BY A THIRD PARTY PROFESSIONAL ENGINEER LICENCED IN THE PROVINCE OF ONTARIO.
- WALL ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF ROOF OR STRUCTURE ABOVE UNLESS NOTED OR DETAILED OTHERWISE
- REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF ALL ELECTRICAL EQUIPMENT, CONDUIT, LIGHTING AND RECEPTACLE LOCATIONS.
- REFER TO MECHANICAL DRAWINGS FOR LOCATION OF ALL MECHANICAL EQUIPMENT AND PROVISIONS.
- REFER TO STRUCTURAL DRAWINGS FOR LOCATION AND SIZING OF ALL STRUCTURAL ELEMENTS
- DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.
- REMOVAL AND DISPOSAL OF HAZARDOUS MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL REGULATIONS AND AUTHORITIES HAVING JURISDICTION.
- UNLESS NOTED OTHERWISE, MAKE GOOD ALL AREAS DISTURBED BY EXCAVATION AND/OR INSTALLATION OF CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL SERVICES. REFER TO CIVIL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
- PROPER HOARDING AROUND ALL NEW EXTERIOR WORK LOCATIONS TO BE PROVIDED.

CLIENT

CITY OF TORONTO

Toronto

Corporate Real Estate Management  
Project Management Office  
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ISSUES

No.	DESCRIPTION	DATE
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B	90% SUBMISSION	2022-02-22
C	ISSUED FOR PERMIT	2022-03-18
D	ISSUED FOR TENDER	2025-04-11

CONSULTANTS

SEAL

PRIME CONSULTANT

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PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:

9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
A. BOYNARIAN

CHECKED BY:  
L. BANDIERA

PROJECT MGR:  
F. BOLOURIAN

APPROVED BY:  
E. FENUTA

SHEET TITLE

GENERAL NOTES,  
ABBREVIATIONS &  
REFERENCE SYMBOLS

SHEET NUMBER

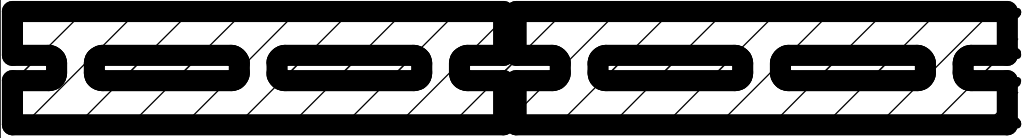
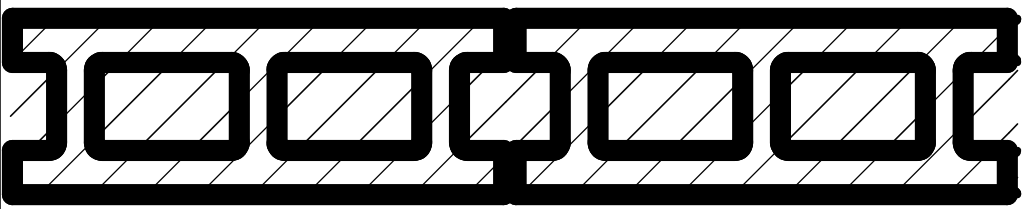
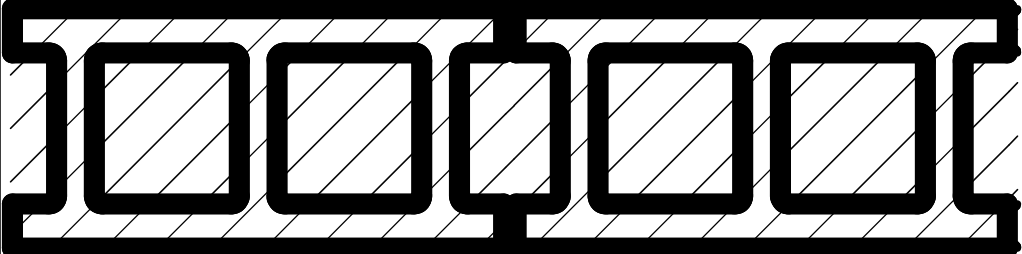
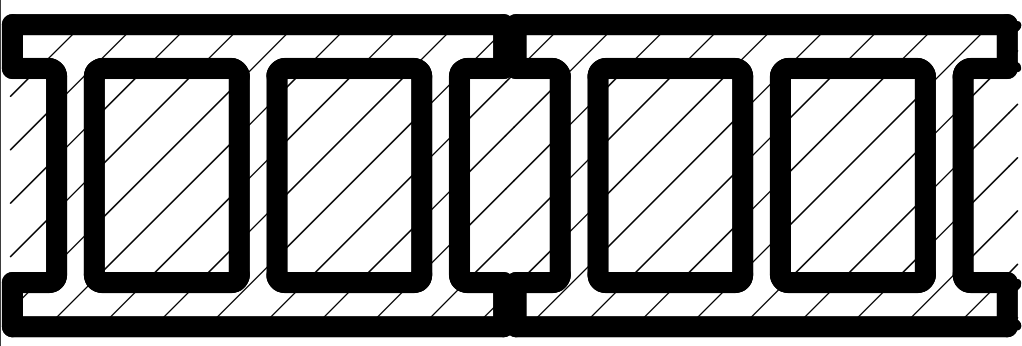
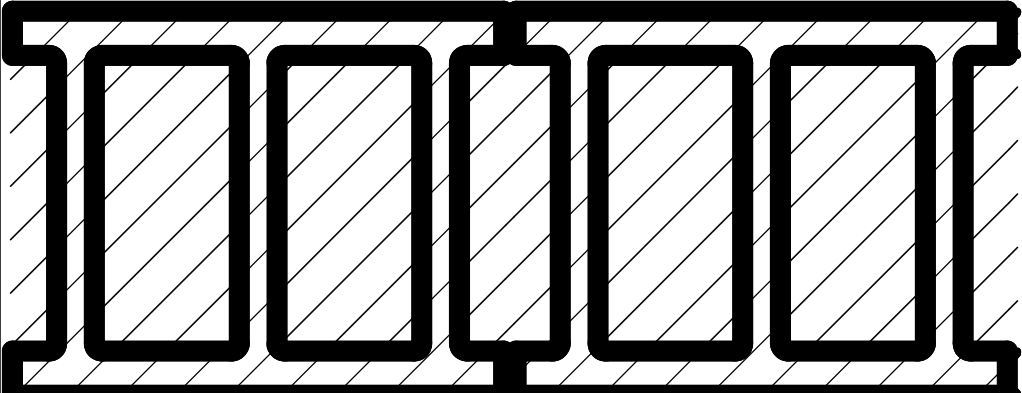
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ISSUE

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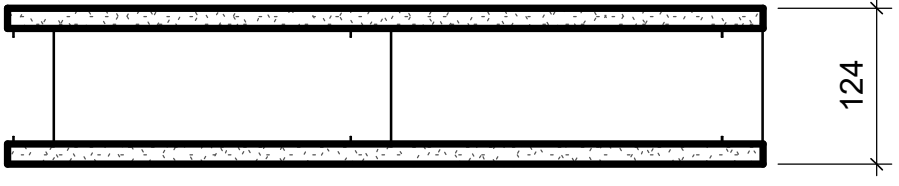
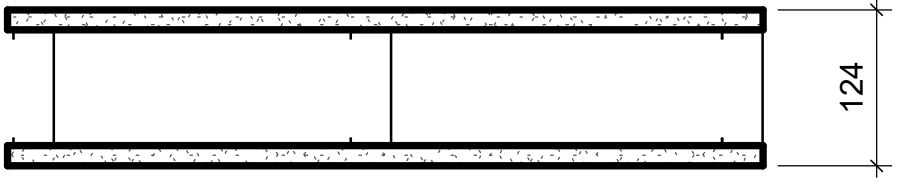
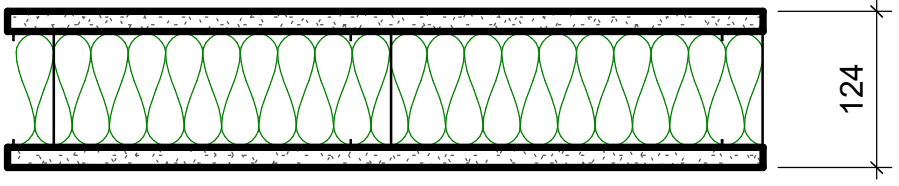
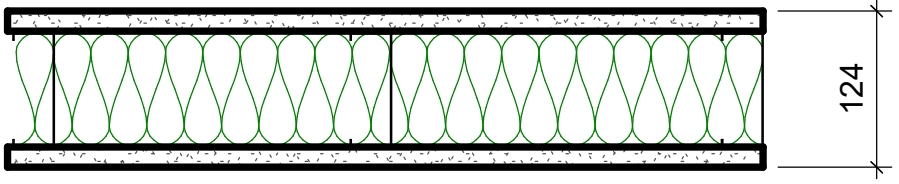
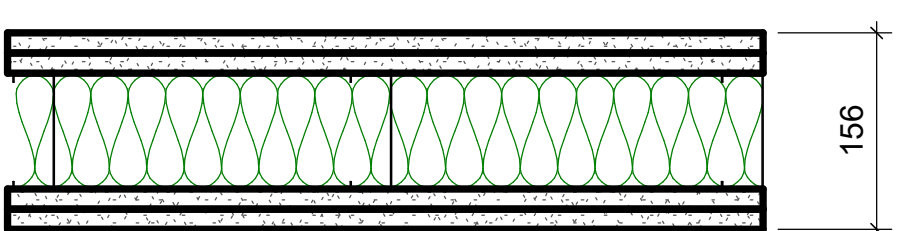
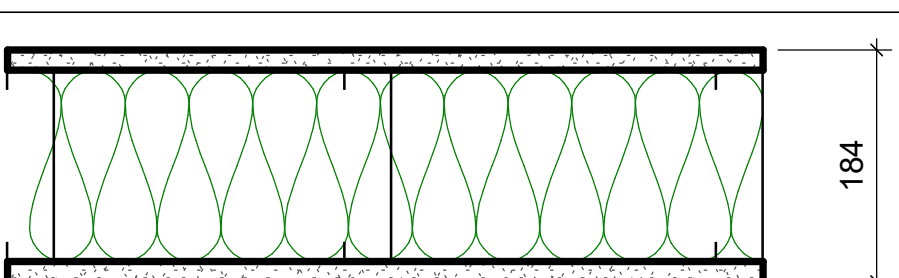
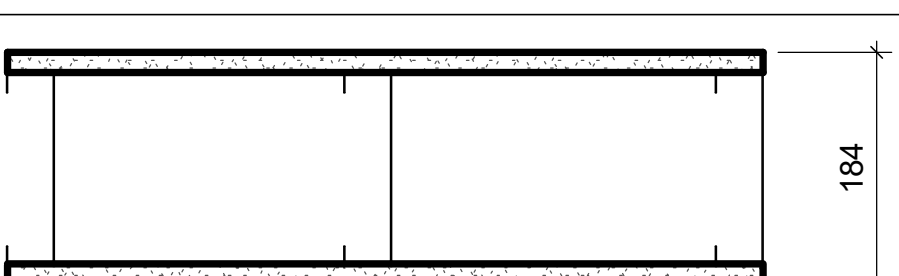
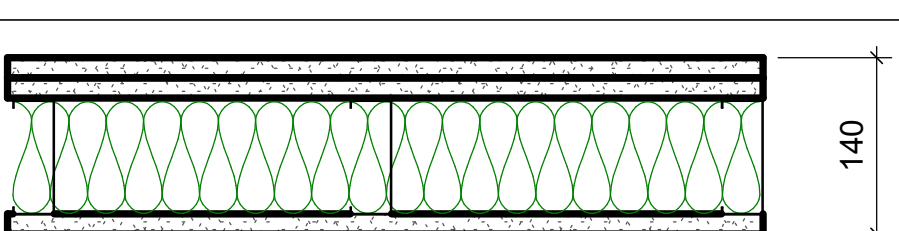


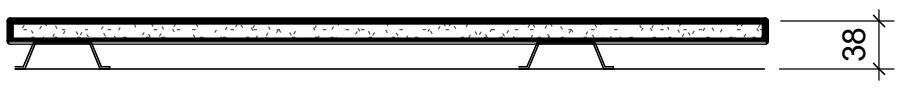
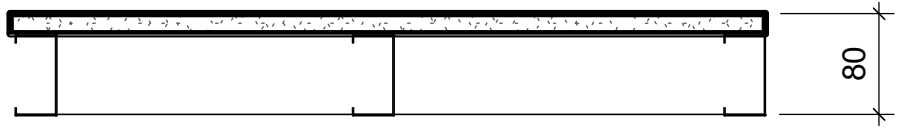

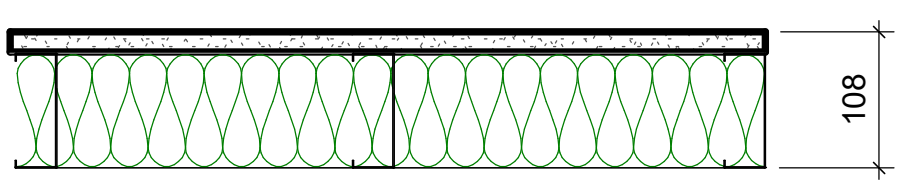
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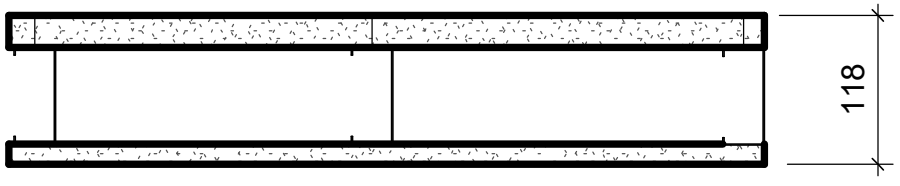
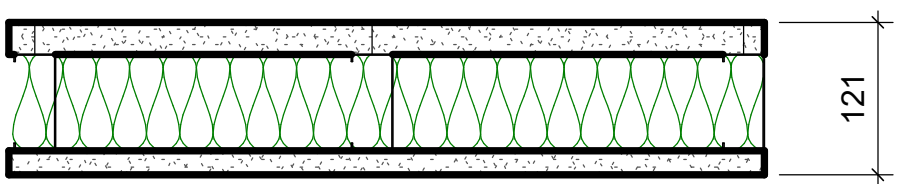
CONCRETE BLOCK				
TYPE NO.	ASSEMBLY	DESCRIPTION	FRR	STC
W1a		- 90mm CONCRETE BLOCK NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE		44
W1b		- 140mm CONCRETE BLOCK NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE	1.0 HR OBC SB-2	46
W1c		- 190mm CONCRETE BLOCK NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE	2.0 HR OBC SB-2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

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PROJECT TITLE  
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PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
A. BOYNARIAN

CHECKED BY:  
L. BANDIERA

PROJECT MGR:  
F.BOLOURIAN

APPROVED BY:  
E. FENUTA

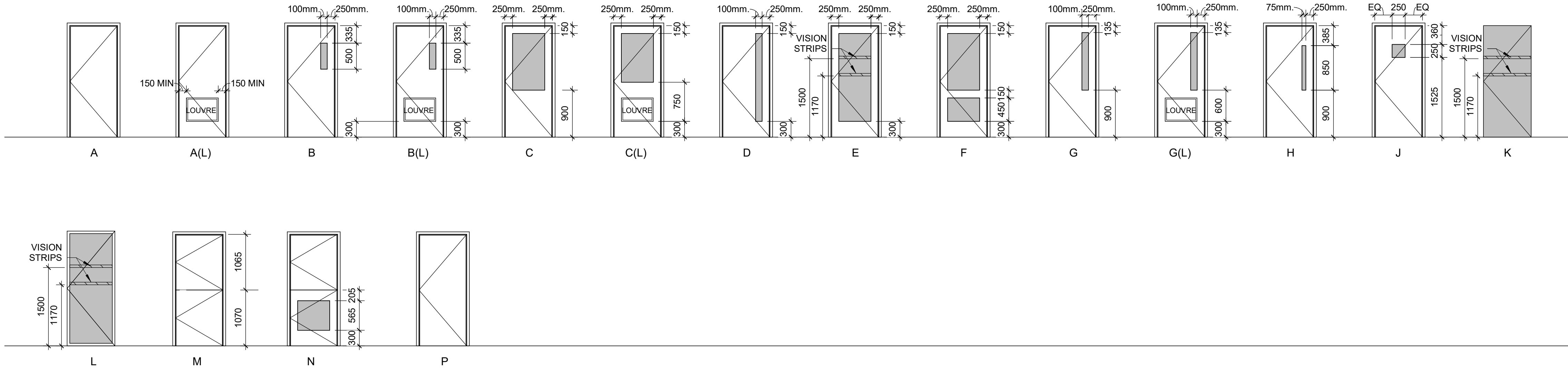
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WALL TYPES

SHEET NUMBER  
G05--GAL-G0003

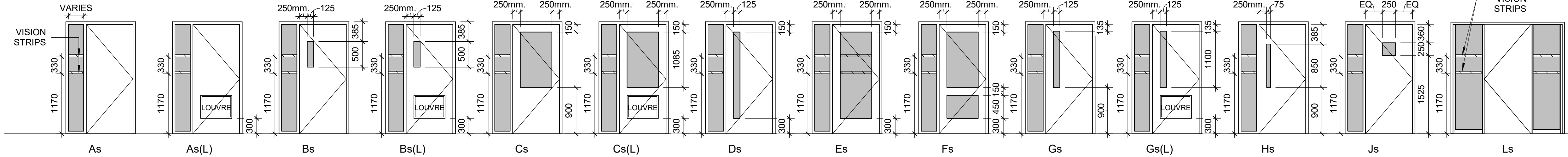
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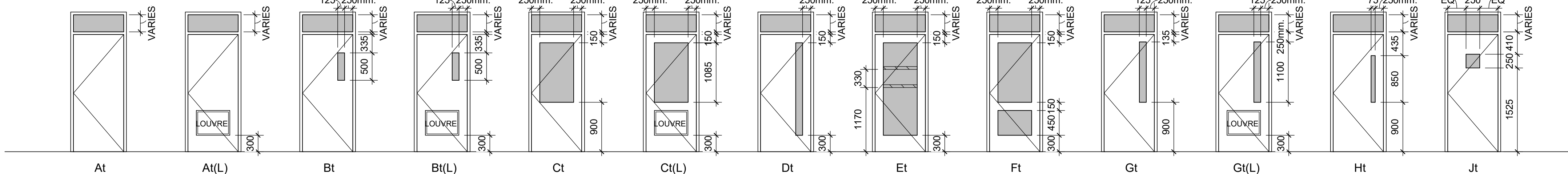
SINGLE DOOR TYPES



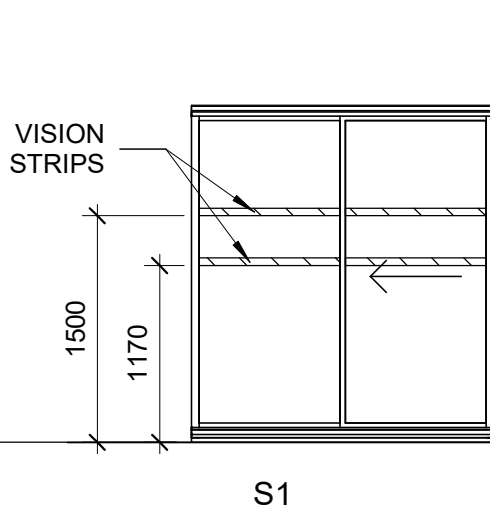
SINGLE DOOR WITH SIDELIGHT TYPES



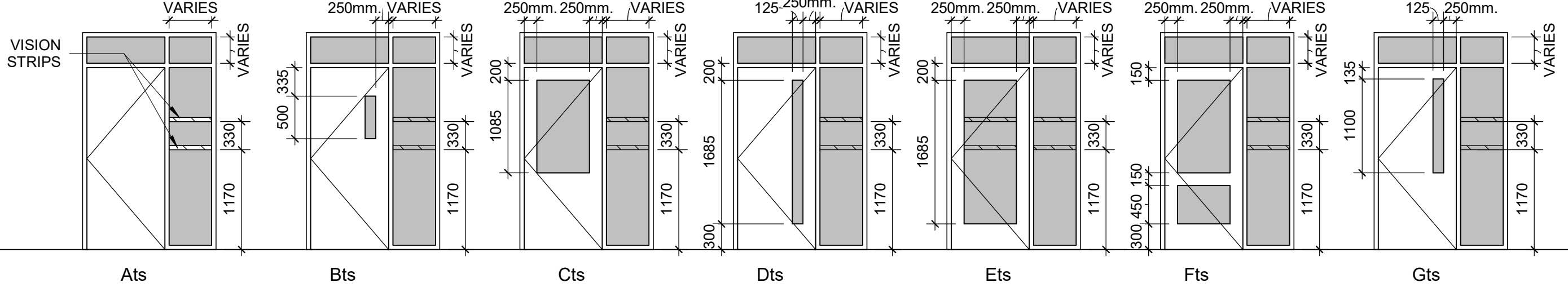
SINGLE DOOR WITH TRANSOM TYPES



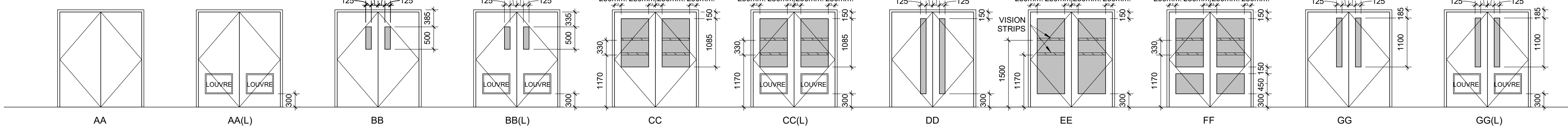
SINGLE SLIDING DOOR TYPE



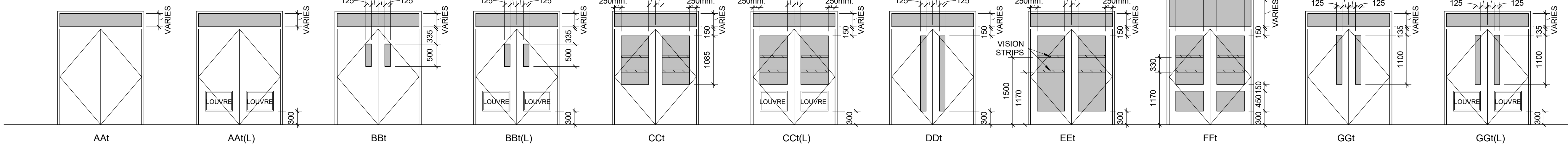
SINGLE DOOR WITH SIDELIGHT & TRANSOM TYPES



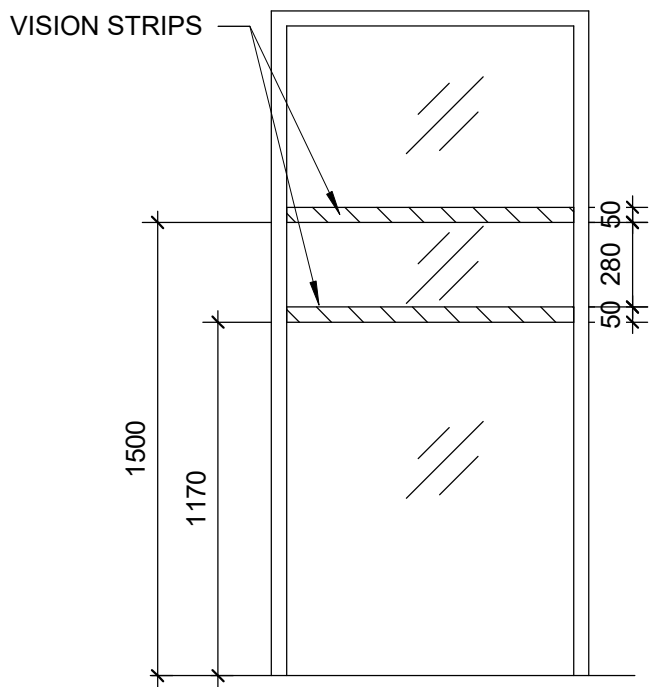
DOUBLE DOOR TYPES



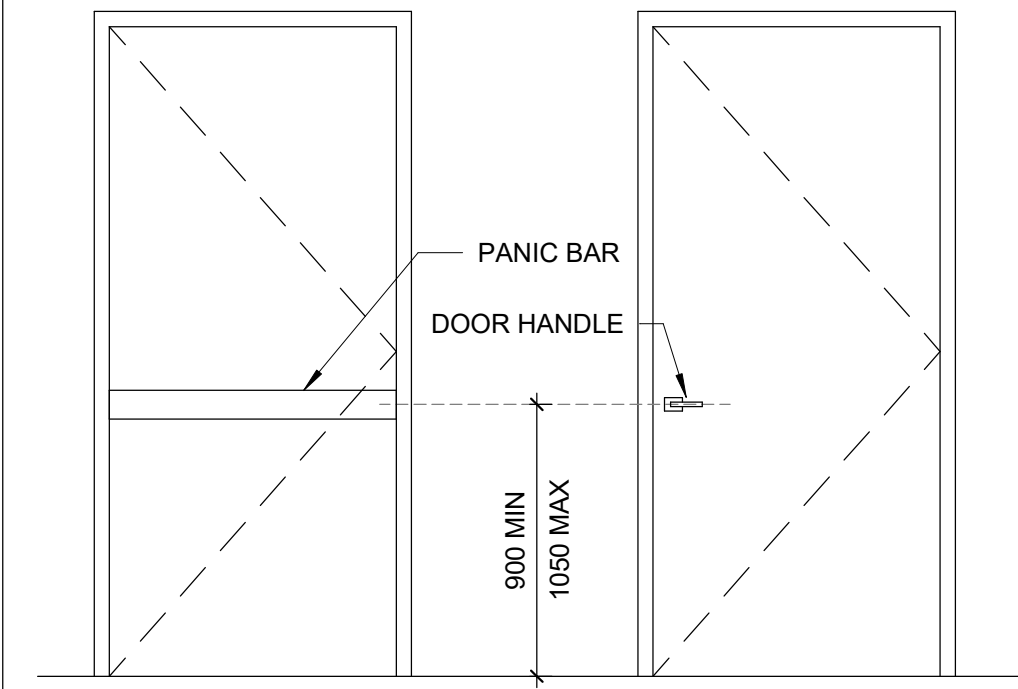
DOUBLE DOOR WITH TRANSOM TYPES



VISION STRIPS



DOOR HANDLE / PANIC BAR HEIGHT



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PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:

**A. BOYNARIAN**

CHECKED BY:

**L. BANDIERA**

PROJECT MGR:

**F. BOLOURIAN**

APPROVED BY:

**E. FENUTA**

SHEET TITLE

**DOOR TYPES**

SHEET NUMBER

**G05-GAL-G0004**

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 #12. THE WIND AND SEISMIC PARAMETERS FOUND IN NOTE #13, AND FOR SITE CLASS D,  $F_s = 1.24$ ,  $F_v = 1.55$   $1/(F_s(0.2) + 0.271)$   $R_s = 1.5$ ,  $R_v = 1.3$  (CONVENTIONAL CONSTRUCTION OF MOMENT-RESISTING FRAMES AND BRACED FRAMES), AND NO IRREGULARITIES, USING STATIC ANALYSIS IN BOTH DIRECTIONS.
2. LATERAL LOADS DUE TO WIND AND SEISMIC FORCES ACT THROUGH THE METAL ROOF DECK DIAPHRAGM, AND ARE RESISTED BY MOMENT-RESISTING FRAMES IN THE NORTH-SOUTH DIRECTION AND BY BRACED FRAMES IN THE EAST-WEST DIRECTION.
3. ROOF ELEMENTS SUCH AS JOISTS, JOISTS GIRDERS, METAL DECK, ETC. AND THEIR CONNECTIONS TO THE SUPPORTING STRUCTURE ARE TO BE DESIGNED FOR UPWARD SUCTION DUE TO WIND.
4. ROOF STRUCTURE (INCLUDING JOISTS AND JOIST GIRDERS) IS TO BE DESIGNED FOR PONDING, INCLUDING PONDING INSTABILITY. MAXIMUM DESIGN PONDING DEPTH AT ROOF DRAINS TO BE 150 mm.
5. AS A MINIMUM, WIND LOADS SHALL BE CALCULATED ON THE BASIS OF OPEN TERRAIN AND BUILDING CATEGORY 3 AS DEFINED IN THE USER'S GUIDE - NBC 2015 STRUCTURAL COMMENTARIES (PART 4 OF DIVISION B). IF OTHER PROVISIONS OF SAID COMMENTARIES RESULT IN HIGHER WIND LOADS AND/OR MORE STRINGENT WIND EFFECTS, THESE LOADS AND EFFECTS SHALL BE CONSIDERED IN THE DESIGN.
6. ALL LOADS SHOWN ON DRAWINGS ARE SPECIFIED (NO LOAD FACTOR APPLIED) LOADS UNLESS NOTED OTHERWISE. HOWEVER, (ULS) IMPORTANCE FACTORS ARE APPLIED, UNLESS NOTED OTHERWISE.
7. ALL LOAD EFFECTS (AXIAL FORCES, SHEARS, MOMENTS AND TORSIONS) ARE FACTORED, UNLESS OTHERWISE NOTED.
8. DESIGN SPECIFIED (UNFACTORED) DEAD AND LIVE LOADS ARE SHOWN ON THE DRAWINGS.
9. STRUCTURES ARE NOT STABLE UNTIL ALL COMPONENTS (INCLUDING BUT NOT LIMITED TO MOMENT CONNECTIONS, BRACING, FLOOR & ROOF DECK AND SHEATHING) ARE CONSTRUCTED.
10. 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:                |   |
| 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 20F BENDING STRESS, UNLESS NOTED OTHERWISE. 12CE COMPRESSION STRESS, UNLESS NOTED OTHERWISE.  |
|                                   | PLYWOOD: CSA 0151 SOFTWOOD EXTERIOR GRADE.  |

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

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

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

CONCRETE:

1. THE DESIGN AND CONSTRUCTION OF ALL WORK ON THIS PROJECT SHALL CONFORM TO THE APPLICABLE EDITION OF THE FOLLOWING CSA STANDARDS: CSA-A23.1 "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION"; CSA-A23.2 "TEST METHODS AND STANDARD PRACTICES FOR CONCRETE"; CSA-A23.3 "DESIGN OF CONCRETE STRUCTURES"; CAN/CSA-G30.18 "BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT".
2. UNLESS NOTED OTHERWISE, MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS:
- |                                   |                              |
|-----------------------------------|------------------------------|
| - LEAN CONCRETE FILL .....        | 15 MPa                       |
| - MUD SLAB .....                  | 15 MPa (EXPOSURE CLASS F-1)  |
| - FOOTINGS .....                  | 35 MPa (EXPOSURE CLASS C-1)  |
| - PIERS, WALLS & CURBS .....      | 35 MPa (EXPOSURE CLASS C-1)  |
| - SLABS ON GRADE (INTERIOR) ..... | 32 MPa (EXPOSURE CLASS N-CF) |
| - SLABS ON GRADE (EXTERIOR) ..... | 35 MPa (EXPOSURE CLASS C-1)  |
| - EXTERIOR APRONS.....            | 35 MPa (EXPOSURE CLASS 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 NOMINAL BAR DIAMETER (#2)	1.0 (#1)	1.5	2.0
RATIO OF COVER TO NOMINAL 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. DETAIL, BEND, PLACE AND SUPPORT REINFORCING STEEL IN CONFORMANCE WITH THE LATEST RSIC MANUAL OF STANDARD PRACTICE, UNLESS NOTED OTHERWISE.
5. ALTERNATE 90° HOOKS OF CROSSTIES END FOR END OVER HEIGHT OF ALL MEMBERS IN WHICH CROSSTIES ARE SPECIFIED.
6. ALL LAP SPLICES SHALL BE CLASS B TENSION SPLICES. FOR HORIZONTAL REINFORCEMENT THAT WILL BE PLACED IN SUCH A WAY THAT MORE THAN 300 mm OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE SPLICE, BAR LOCATION FACTOR (k/1) EQUAL TO 1.3 SHALL BE APPLIED IN DETERMINING CLASS B TENSION SPLICE LENGTH, IN ACCORDANCE WITH APPLICABLE EDITION OF CSA-A23.3.
7. PLAIN (UNREINFORCED) CONCRETE EXPOSED TO DEICING CHEMICALS SHALL MEET EXPOSURE CLASS C-2 IN ACCORDANCE WITH APPLICABLE EDITION OF CSA-A23.1.
8. REINFORCED CONCRETE EXPOSED TO CHLORIDES SHALL MEET EXPOSURE CLASSIFICATION C-1 IN ACCORDANCE WITH APPLICABLE EDITION OF CSA-A23.1.
9. PROVIDE CORROSION INHIBITOR IN ALL CONCRETE OF EXPOSURE CLASS C-1. REFER TO SPECIFICATIONS FOR CORROSION INHIBITOR DOSAGE RATE.
10. USE TYPE GU PORTLAND CEMENT FOR ALL CONCRETE, UNLESS NOTED OTHERWISE.
11. ALL HORIZONTAL WALL AND GRADE BEAM REINFORCING SHALL BE CONTINUOUS THROUGH PIERS. UNLESS NOTED OTHERWISE, SPLICE TOP BARS AT MID-SPAN AND BOTTOM BARS AT SUPPORTS FOR ALL GRADE BEAMS.
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.
15. MAXIMUM WATER-TO-CEMENTING MATERIALS RATIO (w/cm) SHALL BE 0.55, AND MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE 25 MPa FOR ALL CONCRETE FLOOR SLABS (BOTH SLABS ON GRADE AND SLABS ON DECK).

FOUNDATION:

1. ALL INT. FOOTINGS SHALL BEAR ON NATIVE MATERIAL OR ENGINEERED FILL WITH MINIMUM SLS BEARING RESISTANCE OF 150 kPa AND MINIMUM ULS BEARING RESISTANCE OF 200 kPa, NOTED OTHERWISE.
2. ALL EXT. FOOTINGS SHALL BEAR ON SUITABLE FOUNDING MATERIAL WITH MINIMUM SLS BEARING RESISTANCE OF 150 kPa, MINIMUM ULS BEARING RESISTANCE OF 200 kPa, FRICTION ANGLE OF AT LEAST 35 ° AND MINIMUM FACTORED SLIDING RESISTANCE OF 150. MAX. ALLOWABLE TOTAL SETTLEMENT TO BE 25 mm. MAX. ALLOWABLE DIFFERENTIAL SETTLEMENT TO BE 25 mm.
3. ALL BEARING VALUES AND GEOTECHNICAL INFORMATION ARE BASED ON GEOTECHNICAL REPORT SEE PER BUILDING NOTES IF APPLICABLE
4. THE CONTRACTOR SHALL PROTECT SOIL FROM WATER AND FREEZING ADJACENT TO AND BELOW ALL FOOTINGS, GRADE BEAMS AND OTHER CONCRETE POURS WITH MINIMUM 1200 mm SOIL COVER OR EQUIVALENT.
5. ALL EXCAVATIONS AND FOUNDING MATERIAL SHALL BE INSPECTED AND APPROVED BY A QUALIFIED SOILS ENGINEER PRIOR TO CONCRETE PLACEMENT.
6. THE CONTRACTOR SHALL PROVIDE ALL SHORING WHERE REQUIRED DURING EXCAVATION TO PREVENT CAVE-IN.
7. EXCAVATION SHALL NOT EXTEND BELOW A LINE EXTENDING DOWN AND AWAY FROM ANY FOOTING EDGE OR CORNER AT A RATIO OF 7 VERTICAL TO 10 HORIZONTAL.
8. ANY OVER EXCAVATION NECESSITATED BY LOCAL SOFT AREAS OR OTHER DELETERIOUS 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 SOILS 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 DOWELS 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.
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 XX mm SHALL BE PROVIDED BETWEEN MASONRY WALLS AND STEEL COLUMNS, BEAMS, GIRDERS, JOIST AND GIRTS. THIS REQUIREMENT DOES NOT APPLY WHERE MASONRY IS INTENDED (BY DESIGN) TO BEAR ON STEEL MEMBER.
11. WHERE POST-INSTALLED ANCHORS ARE INSTALLED IN MASONRY ELEMENTS/MEMBERS, EXISTING REINFORCING STEEL (INCLUDING HORIZONTAL BED JOINT REINFORCING), CAST-INS AND EMBEDDED ITEMS SHALL BE ACCURATELY LOCATED, AND EDGE OF ANCHOR HOLES SHALL BE LOCATED A DISTANCE AWAY FROM EXISTING REINFORCING STEEL (INCLUDING HORIZONTAL BED JOINT REINFORCING), CAST-INS END EMBEDDED ITEM SUCH THAT AT LEAST MINIMUM CONCRETE COVER REQUIREMENTS (SEE MASONRY NOTE #1) ARE MET. EXISTING REINFORCING STEEL (INCLUDING HORIZONTAL BED JOINT REINFORCING), CAST-INS AND EMBEDDED ITEMS SHALL NOT BE DAMAGED ANCHORING ACTIVITIES, INCLUDING DRILLING.
12. MORTAR SHALL BE TYPE :S: PREPARED BY PROPORTION SPECIFICATION IN ACCORDANCE WITH CAN/CSA-A179.
13. HOLLOW CONCRETE BLOCK MASONRY WITH MORTAR TYPE "S" SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 12.5 MPa - f<sub>m</sub>.
14. ALL INTERSECTING MASONRY WALLS TO HAVE MASONRY BOND OR HEAVY DUTY (BLOCK-LOCK) OR EQUIVALENT AT 200mm VERTICALLY MAXIMUM.
15. A MINIMUM 50 mm WIDE ISOLATION JOINT SHALL BE PROVIDED AT ALL LOCATIONS WHERE MASONRY WALLS INTERSECT VERTICAL FACES OF CONCRETE STRUCTURE. NO POSITIVE CONNECTION BETWEEN MASONRY MASONRY WALLS AND VERTICAL FACES OF CONCRETE STRUCTURE SHALL BE MADE.
16. CONCRETE AND STEEL BEAMS BEARING ON MASONRY WALLS SHALL HAVE A MINIMUM BEARING OF 200mm UNLESS OTHERWISE NOTED ON PLAN.
17. PROVIDE 15M DOWELS WITH 150 mm MIN. EMBEDMENT TO THE EXISTING SLAB TO MATCH ALL VERTICAL REINFORCING, UNLESS NOTED OTHERWISE. SCAN EXISTING SLAB PRIOR TO DOWEL INSTALLATION.
18. PROVIDE LINTELS OVER ALL OPENINGS AND RECESSES FOR MECHANICAL AND ELECTRICAL TRADES AS SPECIFIED ON PLANS. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND SIZES OF OPENINGS AND RECESSES.
19. PROVIDE VERTICAL REINFORCEMENT IN ALL NON-LOAD BEARING CMU WALLS AS FOLLOWS IN ADDITION TO THAT NOTED IN (2):

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

CLIENT

CITY OF TORONTO



Corporate Real Estate Management  
Project Management Office  
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ISSUES

No.	DESCRIPTION	DATE
A	50% SUBMISSION	2022-04-27
B	90% SUBMISSION	2022-07-29
C	ISSUED FOR PERMIT	2022-07-29
D	ISSUED FOR TENDER	2022-12-09
E	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:

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SHEET TITLE

STRUCTURAL - GENERAL  
NOTES

SHEET NUMBER

G05-GAL-G2000

ISSUE

E



REINFORCING STEEL

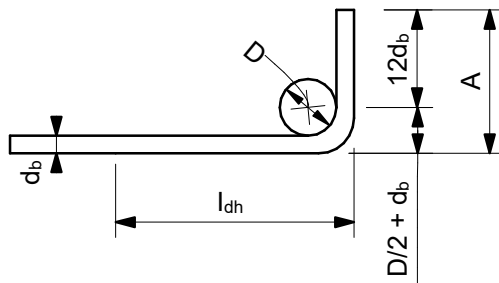
1. ALL REINFORCING STEEL SHALL CONFORM TO CAN/CSA-G30.18-M-2009 (R2014), GRADE 400W.
2. MINIMUM CLEAR SPACING BETWEEN PARALLEL REINFORCING BARS SHALL BE 1.4 TIMES THE BAR DIAMETER, 1.4 TIMES THE MAX. AGGREGATE SIZE OR 30mm WHICHEVER IS GREATER. PROVIDE 75mm MINIMUM LAPPED REBAR CLEARANCE FOR CONCRETE 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.

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



90° HOOK SEE A23.3  
\*\*\* SEE A23.1, TABLE 16  
\*\*\*\* SEE A23.3, §12.5.1, §12.5.3 (b) = 0.7x100db / fc'<sup>0.5</sup> > 150 OR 8 db.

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.

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
BRG	bracing	LP	low point
BRCG	bearing	LS	louver sill
BRK	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	checkered 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
CW	complete with	PSI	pounds per square inch
DET	detail	RCB	reinforced concrete beam
DIA	diameter	REF	reference
DIAG	diagonal	REINF	reinforcement
DIM	dimension	REMV	removable
DL	dead load	REQD	required
DO	door opening	RR	railroad
DWG	drawing	R/W	reinforced with
DWL	dowel	SCH	schedule
EA	each	SECT	section
EF	each face	SIM	similar
EL	elevation	SOG	slab on grade
ELEC	electrical	SP	space
EMB	embedment	SPEC	specifications
EQ	equal	SQ	square
EQPT	equipment	SSC	structural steel contract
EW	each way	STAGG	staggered
EXP	expansion	STD	standard
EX	existing	STIFF	stiffener
EXT	exterior	STL	steel
FDN	foundation	STRU	structural
FDNC	foundation contract	SYM	symmetrical
FIN	finish	t	thickness
FL	floor	T	tread
FLG	flange	T&B	top and bottom
FT	feet	TC	top chord
FTG	footing	TEMP	temperature
FUT	future	THK	thick
GA	gauge	TL	total load
GC	general contract	TOF	top of footing
GALV	galvanized	TOS	top of steel
GENL	general	TYP	typical
GOL	gauge outstanding leg	UON	unless otherwise noted
GR	grade	VERT	vertical
GRT	grating	VIF	vertical inside face
H	high	VOF	vertical outside face
HEF	horizontal each face	W	width (wide)
HGR	hanger	W	width
HGT	height	W/O	without
HH	hooked-hooked	WP	working point
HIF	horizontal inside face	WPL	wall plate
HOF	horizontal outside face	WS	water stop
HORIZ	horizontal	WT	weight
		WWF	welded wire fabric

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A	50% SUBMISSION	2022-04-27
B	90% SUBMISSION	2022-07-29
C	ISSUED FOR PERMIT	2022-07-29
D	ISSUED FOR TENDER	2022-12-09
E	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS
-----------------

PROJECT NO: 9119- 19- 0162 / Arcadis 30279056	
DRAWN BY: G. POULOU	CHECKED BY: M. FAYAZI
PROJECT MGR: N. FRISIC	APPROVED BY: K. ANGER

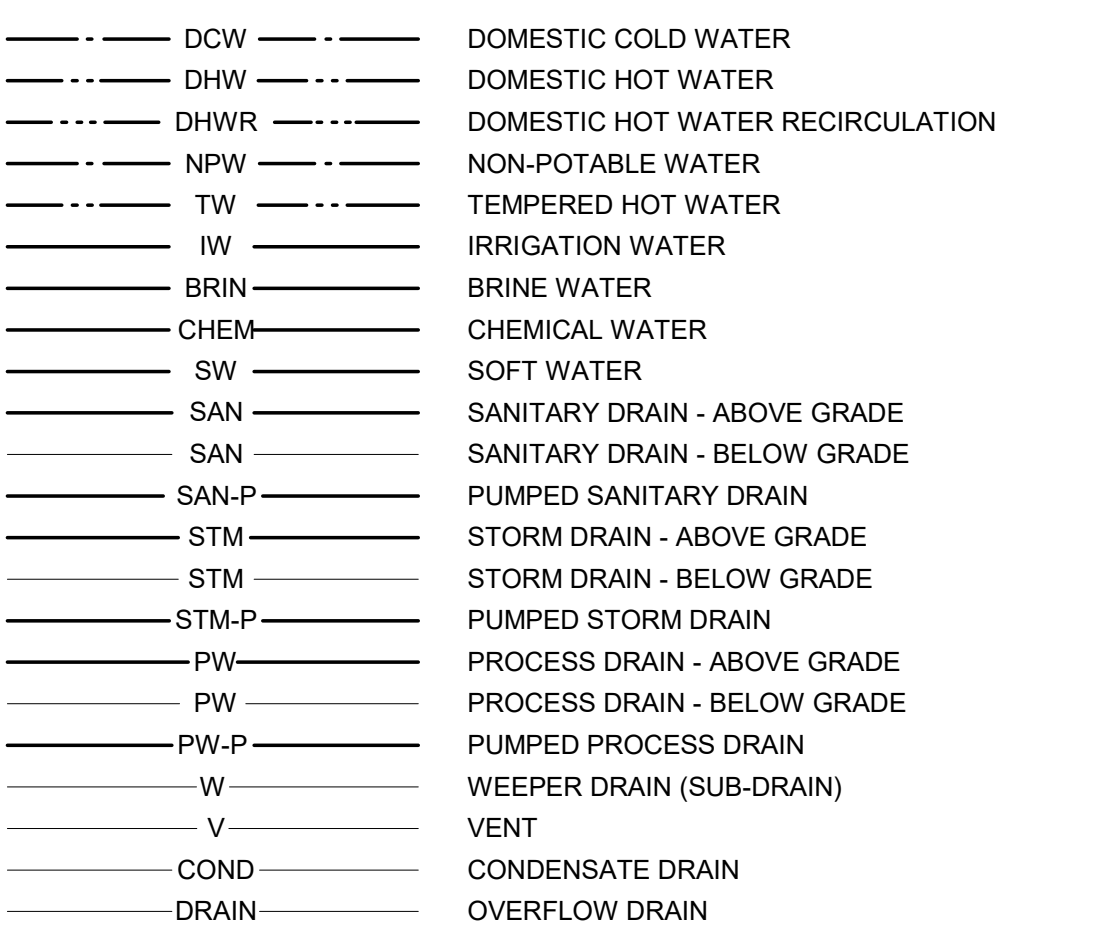
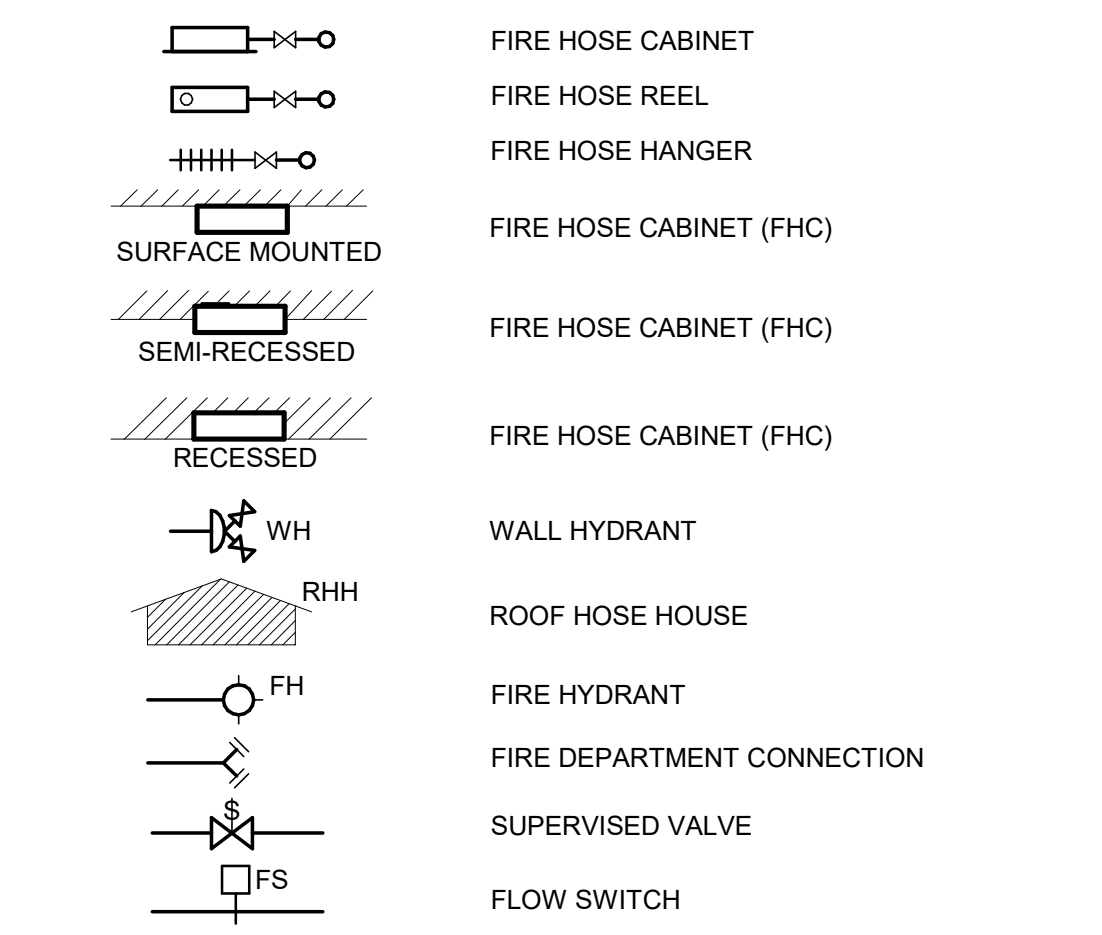
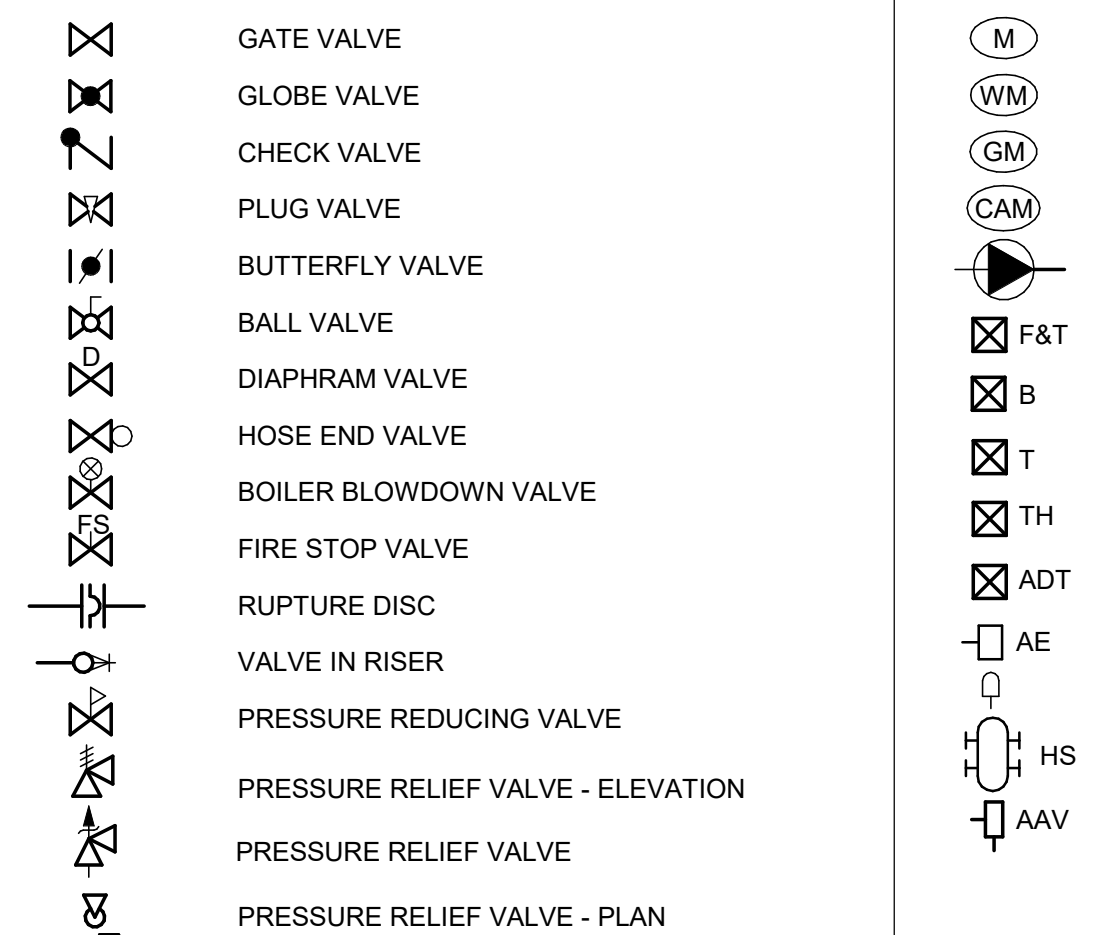
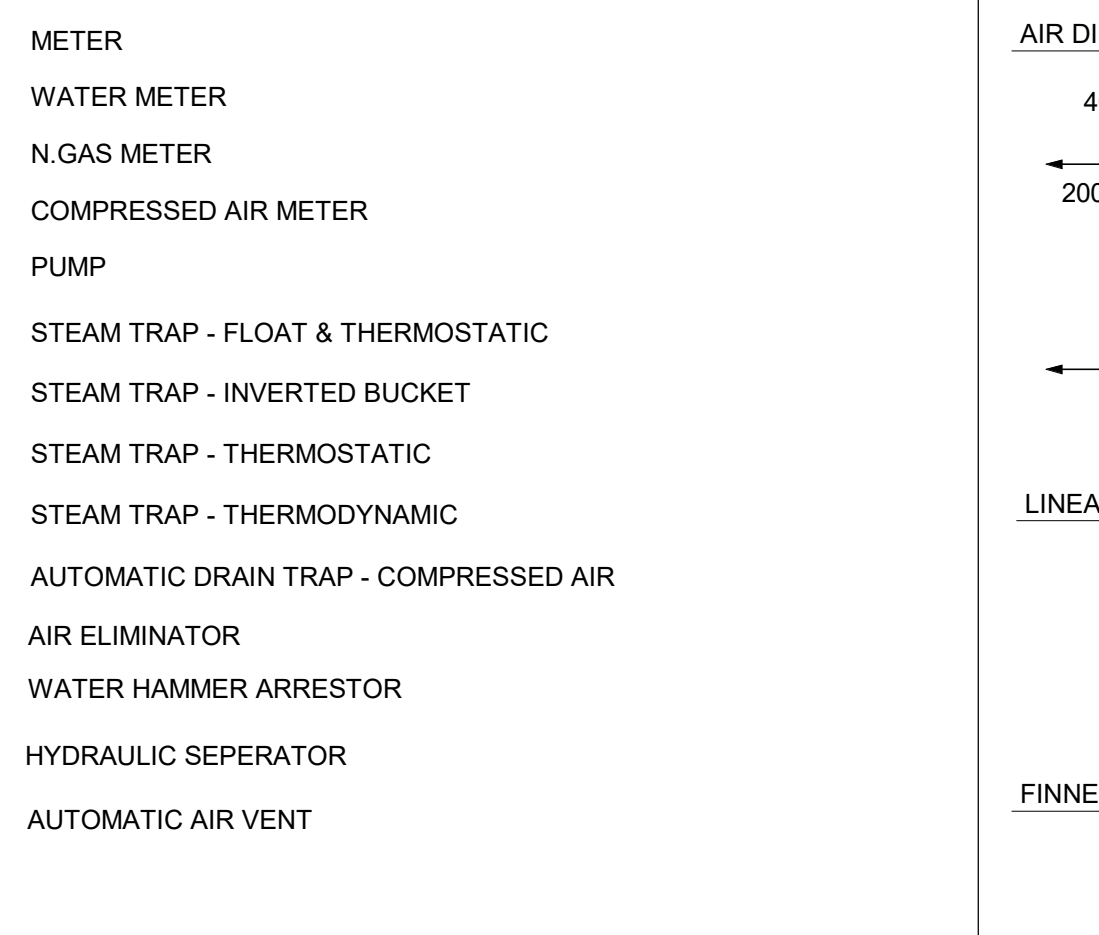
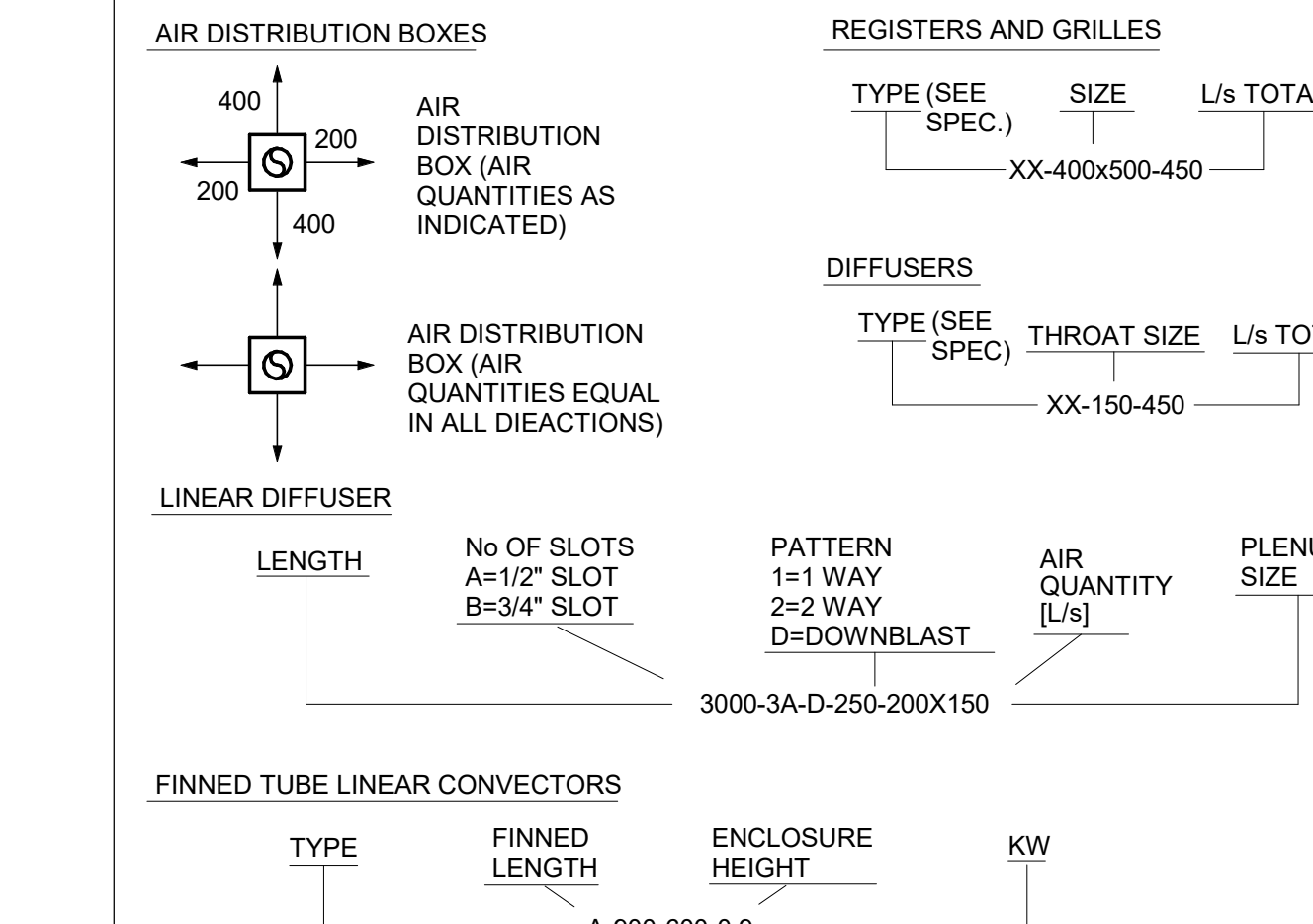
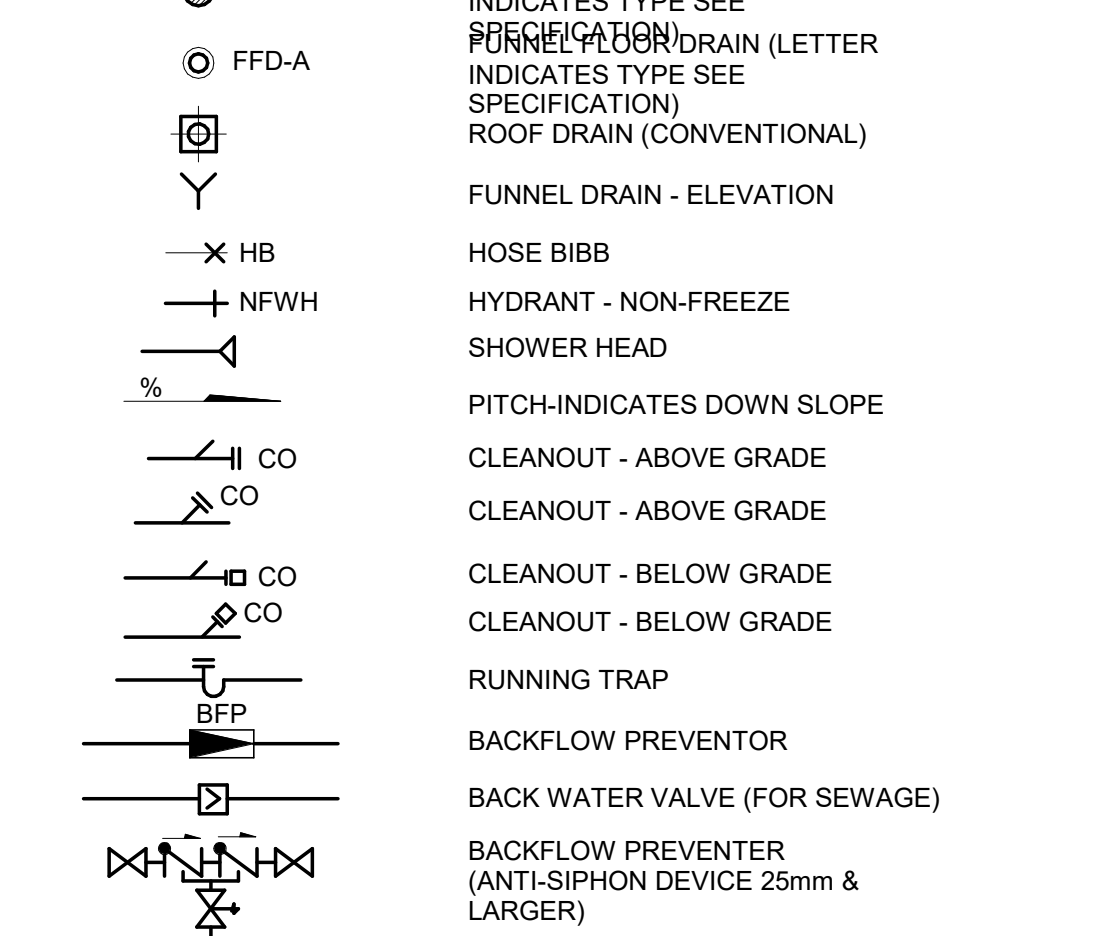
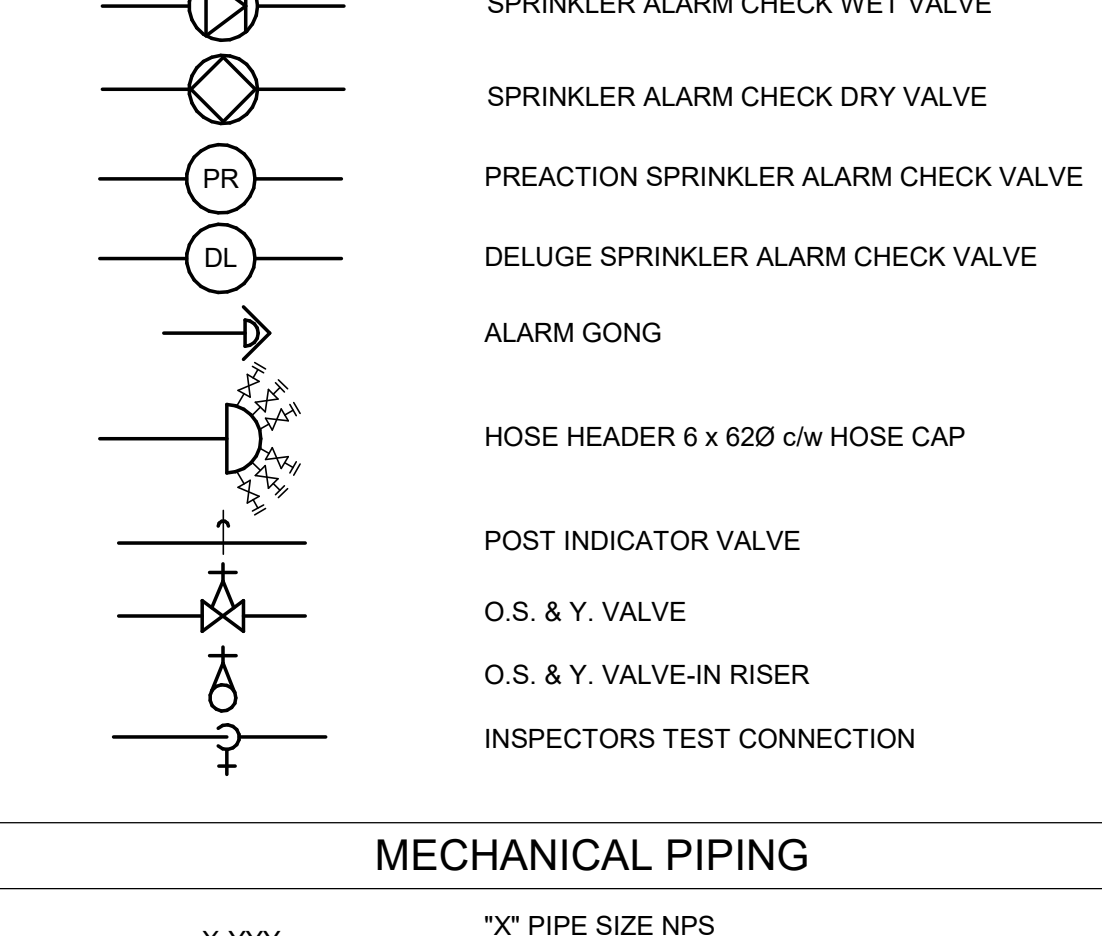
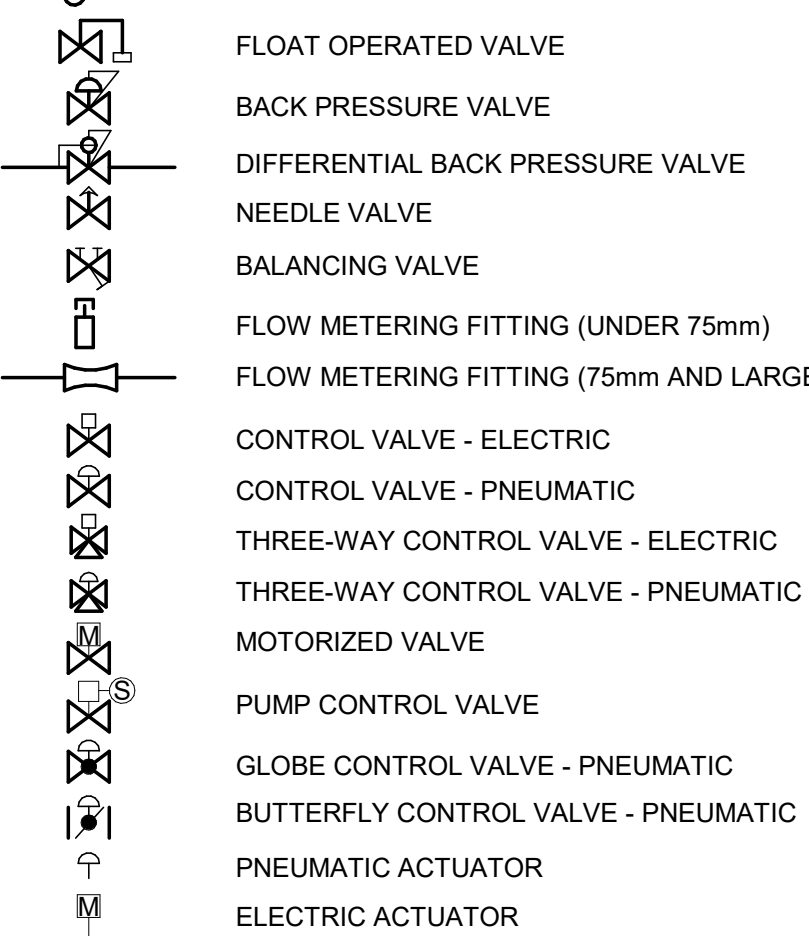
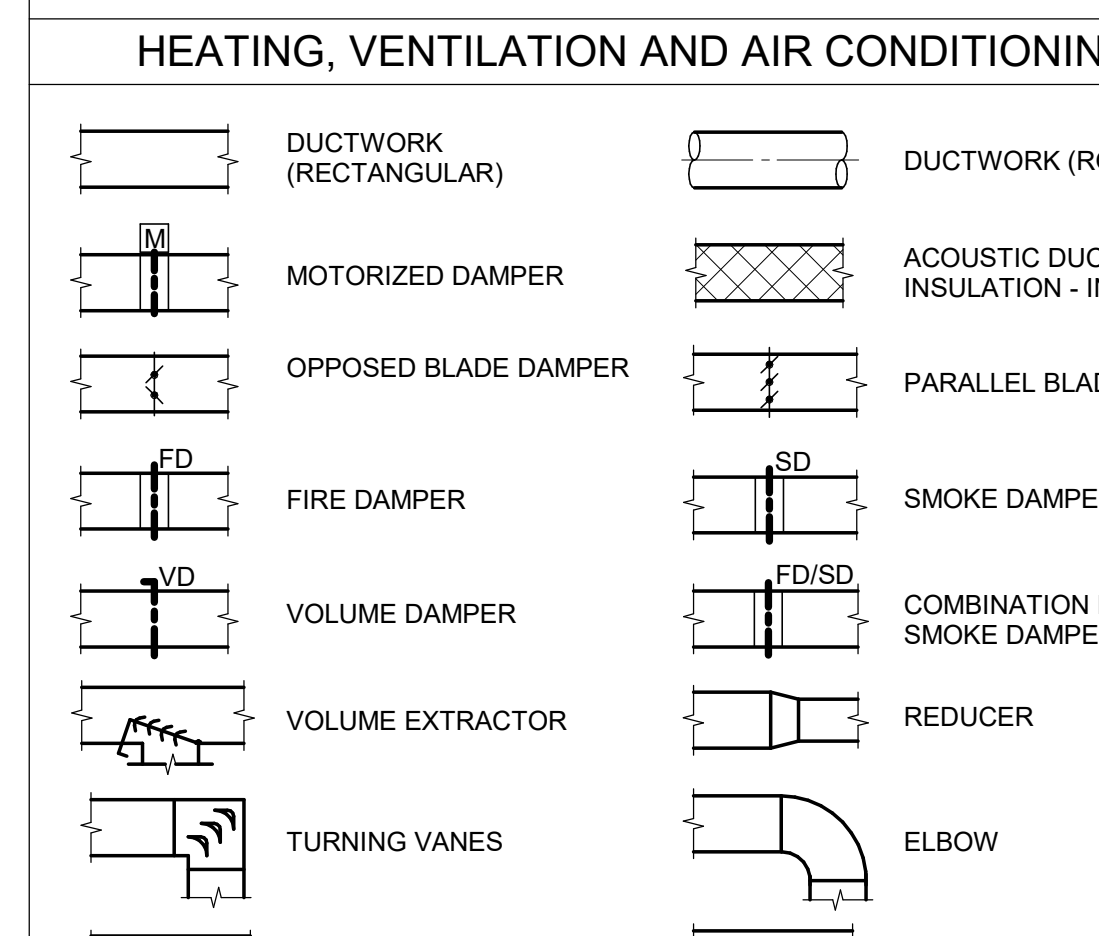
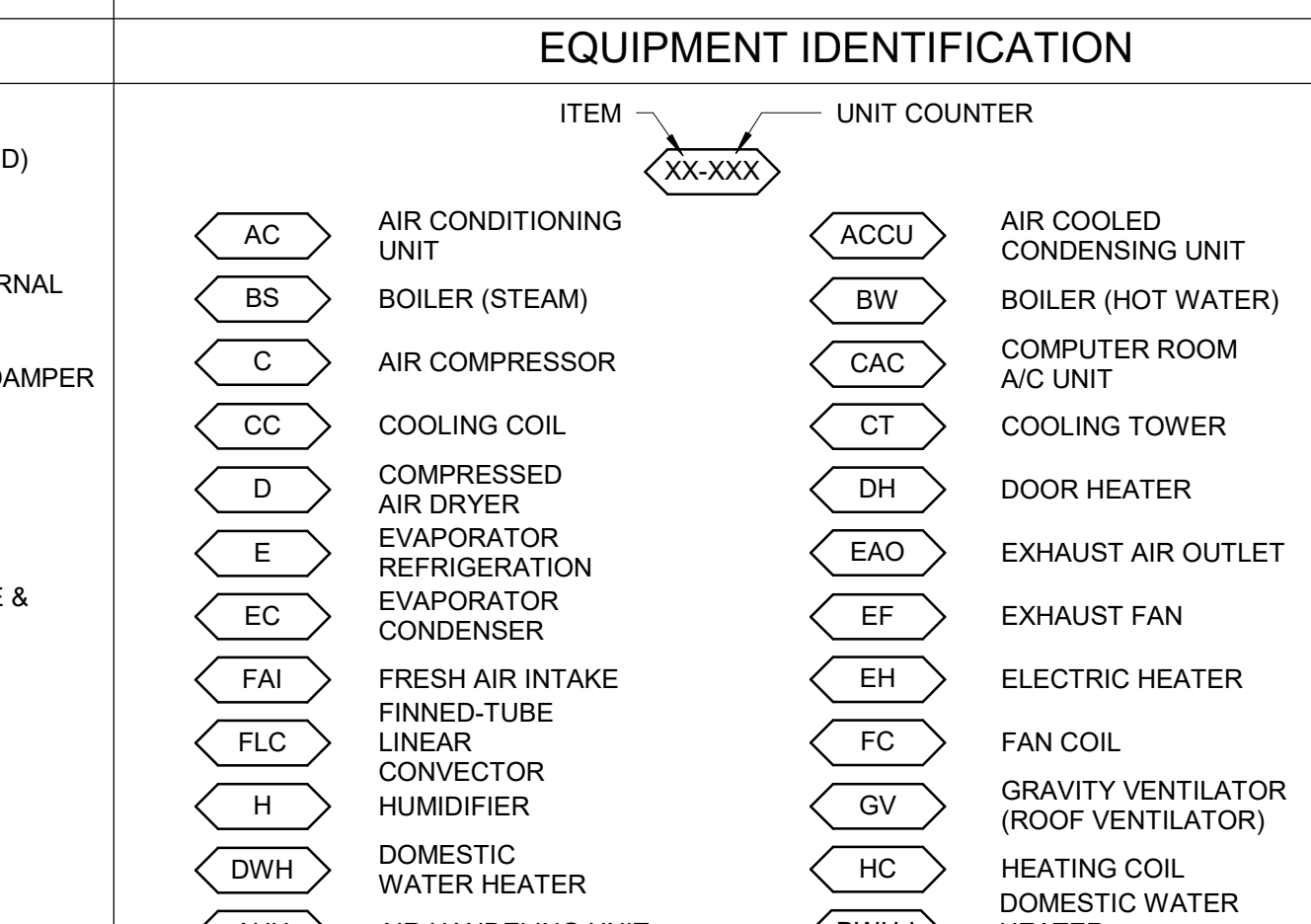
SHEET TITLE

STRUCTURAL - GENERAL  
NOTES, SYMBOLS &  
ABBREVIATIONS

SHEET NUMBER	ISSUE
G05-GAL-G2002	E



# MECHANICAL LEGEND AND SYMBOLS

PLUMBING & DRAINAGE		FIRE PROTECTION		VALVES, FITTINGS AND SPECIALTIES		VALVES, FITTINGS AND SPECIALTIES		HEATING, VENTILATION AND AIR CONDITIONING	
									
FIRE PROTECTION		MECHANICAL PIPING		HEATING, VENTILATION AND AIR CONDITIONING		EQUIPMENT IDENTIFICATION		ABBREVIATION	
									



CONTROLS POINT FUNCTION ABBREVIATION									
FIRST LETTER		SECOND LETTER		THIRD LETTER		FOURTH LETTER			
A	AIR	A	H-O-A STATUS	H	HIGH	H	HIGH		
C	COMPRESSED GAD	C	CLOSE	L	LOW	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

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

GENERAL NOTES: PLUMBING & DRAINAGE

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

GENERAL NOTES: FIRE PROTECTION


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

GENERAL NOTES: HVAC

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

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PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
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CHECKED BY:  
B.LIAO

PROJECT MGR:  
N. FRISCIC

APPROVED BY:  
S. LIU

SHEET TITLE

MECHANICAL LEGEND  
SHEET 2 OF 2





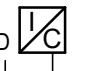













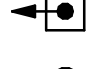











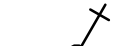









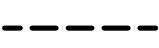









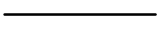

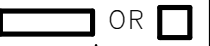


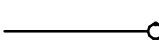



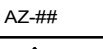
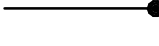




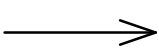









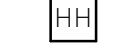



















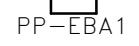














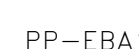









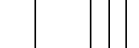









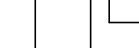









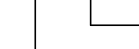












































SHEET NUMBER

G05-GAL-G3002

ISSUE


D



SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
GENERAL									
	NORTH ARROW ARROW INDICATES PROJECT NORTH		COMBINATION MAGNETIC STARTER		HEAT TRACING DIRECT CONNECTION TO HEAT TRACING: I – HEAT TERACING II – PIPE SYSTEM ID STORM		CCTV INDOOR PTZ CAMERA		PUBLIC ADDRESS & INTERCOM INTERCOM
	NOTE REFERENCE TAG N# – DENOTES NOTE NUMBER E-### – DENOTES DRAWING NUMBER		HORSEPOWER RATED MOTOR TOGGLE SWITCH		SANITARY TPL: TRAP SEAL PRIMER DCW: DOMESTIC COLD WATER		INDOOR FIXED CAMERA		C – AUDIO E – EMERGENCY CALL H – HANDSET
	BURIED GROUNDING CONDUCTOR		HORSEPOWER RATED MOTOR HAND/OFF/AUTO SWITCH		HEAT TRACING THERMOSTAT		OUTDOOR/WALL/ROOF MOUNTED PTZ CAMERA		P – PANEL S – SERVER V – VIDEO
	LIGHTNING GROUND CONDUCTOR		DISCONNECT SWITCH – NON–FUSIBLE		HEAT TRACING THERMOSTAT		OUTDOOR/WALL/ROOF MOUNTED FIXED CAMERA		A – AUDIO SIREN & STROBE D – WITH IMAGE DISPLAY E – ELEVATOR
	GROUND ROD C/W INSPECTION CAN		FUSED DISCONNECT SWITCH		HEAT TRACING IN LINE TEMPERATURE SENSOR		OUTDOOR FIXED CAMERA POLE MOUNTED		F – FURNITURE MTD
	GROUNDING CONDUCTOR CONNECTION		MOTORIZED DAMPER		CEILING OR PENDANT MOUNTED LUMINAIRE		OUTDOOR PTZ CAMERA POLE MOUNTED		M – MAINTENANCE S – COMMUNICATION STATUS INDICATOR
	AIR TERMINAL (LIGHTNING ROD)		CONTROL PANEL		LIGHTING TYPICAL LUMINAIRE NOMENCLATURE: L01 – DENOTES LUMINAIRE TYPE L2B1–28.1 – DENOTES CIRCUIT NUMBER L2B1 – DENOTES PANELBOARD (REFER TO POWER AND CONTROL) 28 – DENOTES CIRCUIT NUMBER .1 – DENOTES CONTROL NUMBER		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		PA SPEAKER
	CONDUCTOR DOWN TO BUILDING GROUND LOOP		MOTOR		CEILING OR PENDANT MOUNTED LUMINAIRE		REMOTE PANEL RP2 DENOTES REMOTE PANEL NO.2		HORN/CONE SPEAKER ZA – DENOTES ZONE A AMPLIFIER
	DIRECT BURIED CONDUIT(S) OR CABLE(S)		TERMINAL BOX WITH TERMINAL STRIPS		WALL MOUNTED LUMINAIRE		CLOSED CIRCUIT TELEVISION VIDEO DISPLAY 2 DENOTES MONITOR TYPE		END OF LINE DEVICE
	CONCRETE ENCASED CONDUIT(S)		BASEBOARD HEATING UNIT		POLE MOUNTED LUMINAIRE P01–LUMINAIRE TYPE		SECURITY SECURITY CONTROL PANEL		FIRE ALARM CONTROL PANEL
	EXPOSED CONDUIT OR CABLE		ELECTRIC CONVECTION HEATER		CEILING, PENDANT OR WALL MOUNTED LUMINAIRE LIGHT SWITCH		GLASS BREAK DETECTOR		REMOTE ANNUNCIATOR PANEL
	CONDUIT OR CABLE TURNING UP		ELECTRIC FORCE–FLOW HEATER		DESIGNATIONS FOR LIGHT SWITCHES 3 – 3–WAY 4 – 4–WAY D – DIMMER MC – MOMENTARY CONTACT P – PILOT LIGHT K – KEY OPERATED LV – LOW VOLTAGE		KEY PAD		FIRE ALARM ZONE NUMBER
	CONDUIT OR CABLE TURNING DOWN		DOOR CONTROL PANEL		DOCK LEVELER		CARD READER		CO2 ABORT STATION
	SLOPE – ARROW INDICATES DOWNWARD SLOPE		DOCK LEVELER		SINGLE RECEPTACLE		EMERGENCY LIGHTING BATTERY FOR REMOTE HEADS AND SINGLE RECEPTACLE		ACTIVE FIELD DEVICE – COMBINATION CONTROL AND MONITOR MODULE
	MANHOLE		DUPLEX RECEPTACLE		TWO DUPLEX RECEPTACLES WITH BARRIER		DOUBLE REMOTE EMERGENCY LIGHTING HEADS		COMBINATION HEAT AND SMOKE DETECTOR
	HAND HOLE		GFCI DUPLEX RECEPTACLE		OCCUPANCY SENSOR		DATA IN		CO2 DUMP STATION
	CONCRETE PULL BOX (MINIMUM INTERNAL DIMENSIONS: 900x610x900)		COMBINATION DUPLEX RECEPTACLE/TELECOMMUNICATION OUTLET (DUPLICATED ON COMMS DRAWINGS)		PHOTO–ELECTRIC CONTROL		DATA OUT		MAGNETIC DOOR HOLDER DEVICE
	PULL BOX		COMBINATION TWO DUPLEX RECEPTACLES/TELECOMMUNICATION OUTLET (DUPLICATED ON COMMS DRAWINGS AS COMBINATION DUPLEX RCT) WITH BARRIER BETWEEN RECEPTACLES		EXIT SIGN – CEILING MOUNTED ARROW DENOTES DIRECTION CHEVRON		DOOR BY–PASS KEYED SWITCH		EMERGENCY POWER OFF STATION
	UTILITY POLE		COMBINATION MULTI–RECEPTACLE/TELECOMMUNICATION FLOOR BOX (DUPLICATED ON COMMS DRAWINGS)		EXIT SIGN – WALL MOUNTED		ELECTRIC DOOR STRIKE		SPRINKLER SYSTEM FLOW ALARM SWITCH
POWER AND CONTROL									
	POWER AND/OR DISTRIBUTION PANELBOARD – SURFACE MOUNTED		LINE DENOTES ABOVE COUNTER HEIGHT OUTLET 1200 AFF OR 300 ABOVE COUNTER, UNLESS OTHERWISE NOTED		EMERGENCY LIGHTING BATTERY FOR REMOTE HEADS AND SINGLE RECEPTACLE		ELEVATOR HALL CALL BUTTON		COMBINATION RATE OF RISE AND FIXED TEMPERATURE HEAT DETECTOR
	PAD MOUNT TRANSFORMER		DESIGNATIONS FOR RECEPTACLE TYPES 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		DOUBLE REMOTE EMERGENCY LIGHTING HEADS		ELEVATOR CARD CALL BUTTON		DUCT SMOKE DETECTOR
	SUSPENDED TRANSFORMER		FURNITURE FEED – POWER		SPACE TYPE FOR LIGHTING CONTROL. REFER TO SCHEDULE IN SPECIFICATION SECTION 16590		MAGNETIC LOCK RELEASE/RESET KEY		ISOLATOR MODULE
	DENOTES PANEL		DIRECT CONNECTION TO EQUIPMENT		THERMOSTAT		TRANSOM REQUEST TO EXIT		INFRA RED DETECTOR
	DENOTES SEQUENTIAL IDENTIFIER (1,2,3,...)		THERMOSTAT		FLUSH WITH SURFACE COMMUNICATIONS PASS TROUGH FURNITURE FEED F – DENOTES FLOOR MOUNTED		POWER ASSIST		ALARM MONITOR CONTACT
	DENOTES REDUNDANCY IDENTIFIER (A,B)		SWITCH HEATER/BLOWER		COMBINATION DUPLEX RECEPTACLE(S)/TELECOMMUNICATION OUTLET/FLOOR BOX (DUPLICATED ON POWER DRAWINGS)		PUSH BUTTON REMOTE RELEASE		POST INDICATOR VALVE
	DENOTES FLOOR (B,1,2,3) *UPS PANELS DENOTE PDU SOURCE		HIGH/LOW TEMPERATURE THERMOSTAT		DESIGNATIONS FOR COMMUNICATION OUTLETS 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 O – OVERHEAD		PUSH BUTTON DURESS		PRESSURE SWITCH
	DENOTES NON–LIFE SAFETY		WEATHERPROOF PUSHBUTTON FOR POWER OPERATED DOOR		FURNITURE FEED – POWER		PUSH BAR BOLT RETRACT		FIRE ALARM RELAY
	DENOTES LIFE SAFETY		DYNAMIC GLASS WINDOW CONTROLLER		DYNAMIC GLASS ZONE CONTROLLER		PUSH BAR ELECTRIC BOLT RETRACT		AREA SMOKE DETECTOR A – DENOTES ASPIRATION TYPE U – DENOTES BELOW RAISED FLOOR
	DENOTES LIGHTING		CLOCK		NETWORK ATTACHED POE CLOCK WITH NETWORK CONNECTION		PASSIVE INFRARED MOTION DETECTOR		AREA SMOKE DETECTOR COMPLETE WITH REMOTE ALARM LIGHT
	DENOTES UNINTERRUPTIBLE POWER SUPPLY *U2A1 DENOTES FROM PDU–U2A		TAG NUMBER		MECHANICAL OR ELECTRICAL EQUIPMENT				SPRINKLER SYSTEM SUPERVISED VALVE
	DISTRIBUTION PANEL		AC – AIR CONDITIONING UNIT						AIR SAMPLING SMOKE DETECTOR
	POWER PANEL		ACC – AIR COOLED CONDENSER UNIT						FIRE ALARM BELL
	RECEPTACLE PANEL		C – COMPRESSOR						FIRE ALARM HORN
	LIGHTING PANEL		CH – CABINET UNIT HEATER						FIRE ALARM MINI HORN C/W STROBE LIGHT
	SWITCHBOARD		CU – CONDENSER UNIT						STROBE LIGHT
	TRANSFORMER		DH – DOOR HEATER						WARNING LIGHT
	POWER DISTRIBUTION UNIT		EF – EXHAUST FAN						FIRE ALARM MANUAL PULL STATION (RED)
			ETU – EXHAUST TERMINAL UNIT						MANUAL RELEASE PULL STATION (BLUE)
			EW – EYE WASH						ABORT PUSH BUTTON
			H – HUMIDIFIER						END OF LINE DEVICE
			HV – HEATING AND VENTILATING UNIT						FIREMAN'S TELEPHONE HANDSET
			HW – HOT WATER HEATER						
			MD – MOTORIZED DAMPER						
			P – PUMP						
			RAF – RETURN AIR FAN						
			SF – SUPPLY FAN						
			UH – UNIT HEATER						
			V – VENTILATING UNIT						
SYMBOLS AND LEGEND AS APPLICABLE		SYMBOLS AND LEGEND AS APPLICABLE		SYMBOLS AND LEGEND AS APPLICABLE		SYMBOLS AND LEGEND AS APPLICABLE		SYMBOLS AND LEGEND AS APPLICABLE	

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B	90% SUBMISSION	2022-02-22
C	ISSUED FOR PERMIT	2022-03-18
D	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
V. MAC

CHECKED BY:  
M. BOJIC

PROJECT MGR:  
F. BOLOURIAN

APPROVED BY:  
P. WILLIAMS

SHEET TITLE

ELECTRICAL LEGEND 1

SHEET NUMBER

G05-G4001

ISSUE

D



CLIENT				
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DRAWN BY: V. MAC		CHECKED BY: M. BOJIC		
PROJECT MGR: F.BOLOURIAN		APPROVED BY: P. WILLIAMS		
SHEET TITLE				
ELECTRICAL LEGEND 2				
SHEET NUMBER		ISSUE		
G05-G4002		D		

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION		ABBREVIATIONS		ABBREVIATIONS
SINGLE LINE									
	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		SELECTOR SWITCH - HAND-OFF-AUTO	BR	BRIDGE	MW	MICROWAVE
	NORMALLY CLOSED CONTACTS		S - SHORT TIME TRIP FUNCTION		STOP	CC	CONCENTRATOR COMPLEX	MTD	MOUNTED
	RELAY COIL		I - INSTANTANEOUS		START	CD	CANDELA	NC	NORMALLY CLOSED
	DRAWOUT OR PLUG-IN CONNECTION		A - GROUND FAULT, ALARM		PILOT LIGHT	CP	CONTROL PANEL	NGR	NEUTRAL GROUNDING RESISTOR
	MEDIUM VOLTAGE LOAD INTERRUPTER SWITCH - NUMBER DENOTES SWITCH RATING		G - GROUND FAULT TRIP FUNCTION		OVERLOAD	CTL	CONTROL	NIC	NOT IN CONTRACT
	GROUND CONNECTION				DIGITAL CIRCUIT MONITOR	CW	COMPLETE WITH	NO	NORMALLY OPEN
	LIGHTNING ARRESTER OR SURGE DIVERTER NUMBER DENOTES QUANTITY				VARIABLE FREQUENCY DRIVE	CAT6	CATEGORY 6 CABLE	O/H	OVER HEAD
	STRESS CONE					COMMS	COMMUNICATIONS	OC	ON CENTRE
	DELTA/WYE TRANSFORMER CONNECTION WITH WYE POINT RESISTANCE GROUNDED					CP	CONTROL PANEL	OESC	ONTARIO ELECTRICAL SAFETY CODE
	DELTA/WYE TRANSFORMER CONNECTION WITH WYE POINT GROUNDED					DISC	DISCONNECT	OVP	OVER VOLTAGE PROTECTION
	WYE/WYE TRANSFORMER CONNECTION					DIV	DIVISION	PLATF	PLATFORM
	DELTA/DELTA TRANSFORMER CONNECTION					DSP	GROUND FAULT PROTECTION SYSTEM	PPT	PATCH PANEL TERMINATION
	AUTOMATIC TRANSFER SWITCH					DSP-CA	CABLE ADAPTER MODULE	R	REMOVE
SYMBOLS AND LEGEND AS APPLICABLE									

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION		ABBREVIATIONS		ABBREVIATIONS
METERING AND PROTECTION DEVICES									
	CONTROL TRANSFORMER		ABOVE FINISHED FLOOR		MOTOR CONTROL CENTRE	DSP-CAS	CABLE ADAPTER MODULE	RCT	RECEPTACLE
	CURRENT TRANSFORMER, NUMBERS DENOTE QUANTITY AND RATIO		BIX TYPE PUNCH DOWN IDC TERMINATION		MAXIMUM CIRCUIT OPERATING VOLTAGE	DSP-DFM	DSP FEEDER MODULE	RJ	U/UTP RJ45 CONNECTION
	ZERO SEQUENCE CURRENT TRANSFORMER		CIRCUIT BREAKER		MECHANICAL	E	EXISTING TO REMAIN	RM	ROOM
	FIXED FUSE AND FIXED POTENTIAL TRANSFORMER (PT) NUMBER DENOTES QUANTITY		BUILDING		MILLIMETER	EL	ELEVATION	RR	REMOVE AND RELOCATE
	WITHDRAWABLE FUSE AND WITHDRAWABLE POTENTIAL TRANSFORMER (PT) NUMBER DENOTES QUANTITY		BOILER		TRADE SIZE CONDUIT IN MILLIMETERS	ELEV	ELEVATOR	SC	SHORT CIRCUIT
	WITHDRAWABLE FUSE AND FIXED POTENTIAL TRANSFORMER (PT) NUMBER DENOTES QUANTITY		BOTTOM OF TRAY		MANUALLY OPERATED	EMS	ENERGY MANAGEMENT SYSTEM	SLD	SINGLE LINE DIAGRAM
	SELECTOR SWITCH - HAND-OFF-AUTO		BRIDGE		MICROWAVE	EO	ELECTRICALLY OPERATED BREAKER	SP	SPARE
	STOP		CONCENTRATOR COMPLEX		MOUNTED	ETSP	ELECTRONIC TRAP SEAL PRIMER	SRP	SUPPRESSION RELEASE PERIPHERAL
	START		CANDELA		NORMALLY CLOSED	EX	EXISTING	ST	SHUNT TRIP
	PILOT LIGHT		CONTROL PANEL		NOT IN CONTRACT	FB#1	FEEDER CIRCUIT BREAKER (#1 DENOTES NUMBER)	STN	STATION
	OVERLOAD		COMPLETE WITH		NORMALLY OPEN	FEPO	FIREMAN EMERGENCY POWER OFF	STP	SHIELDED TWISTED PAIR CABLE
	DIGITAL CIRCUIT MONITOR		CATEGORY 6 CABLE		OVER HEAD	GFR	GROUND FAULT RELAY	STS	STATIC TRANSFER SWITCH
	VARIABLE FREQUENCY DRIVE		COMMUNICATIONS		ON CENTRE	GND	GROUND	SW	SWITCH
			CONTROL PANEL		ONTARIO ELECTRICAL SAFETY CODE	HT	HEAT TRACING	SWBD	SWITCH BOARD
			DISCONNECT		OVER VOLTAGE PROTECTION	HTR	HEATER	SWGR	SWITCH GEAR
			DIVISION		TIE CIRCUIT BREAKER	HOA	HAND-OFF-AUTO	TB	TIE CIRCUIT BREAKER
			GROUND FAULT PROTECTION SYSTEM		TRANSIENT VOLTAGE SURGE SUPPRESSOR	HVAC	HEATING - VENTILATION AND AIR CONDITIONING	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
			CABLE ADAPTER MODULE		TYPICAL	IAM	INDIVIDUAL ADDRESSABLE MODULE	TYP	TYPICAL
			CABLE ADAPTER MODULE		UNDER GROUND	LAV	LAVATORY	U/G	UNDER GROUND
			DSP FEEDER MODULE		UNLESS OTHERWISE NOTED	LCD	LIQUID CRYSTAL DISPLAY	UON	UNLESS OTHERWISE NOTED
			EXISTING TO REMAIN		VARIABLE FREQUENCY DRIVE	LED	LIGHT EMITTING DIODE	VFD	VARIABLE FREQUENCY DRIVE
			ELEVATION		WEATHER PROOF	LSIA	LONG TIME TRIP; SHORT TIME TRIP; INSTANTANEOUS TRIP; GROUND FAULT ALARM	WP	WEATHER PROOF
			ELEVATOR		EXPLOSION PROOF	LSIG	LONG TIME TRIP; SHORT TIME TRIP; INSTANTANEOUS TRIP; GROUND FAULT TRIP	XP	EXPLOSION PROOF
			ENERGY MANAGEMENT SYSTEM		REFER TO A-002 FOR ABBREVIATIONS NOT INCLUDED IN THIS LIST	LVL	LEVEL	*	REFER TO A-002 FOR ABBREVIATIONS NOT INCLUDED IN THIS LIST
			ELECTRICALLY OPERATED BREAKER			LVR	LAYOVER		
			ELECTRONIC TRAP SEAL PRIMER			MB	MAIN CIRCUIT BREAKER		
			EXISTING			MBPS	UPS - MAINTENANCE BY-PASS SWITCH - EXTERNAL		
SYMBOLS AND LEGEND AS APPLICABLE									

Toronto

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CHECKED BY:  
M. BOJIC

APPROVED BY:  
P. WILLIAMS

SHEET TITLE

ELECTRICAL LEGEND 2

SHEET NUMBER	ISSUE
G05-G4002	D

Autodesk Docu/1/22280 - CoT TAU Upgrades R2024/12280-D-TAU-G05-General-R201.rvt

SCALE CHECK

1/10mm



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.

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**Arcadis Professional Services (Canada) Inc**

No.	DESCRIPTION	DATE
A	50% SUBMISSION	2022-01-20
B	90% SUBMISSION	2022-02-22
C	ISSUED FOR PERMIT	2022-03-18
D	ISSUED FOR TENDER	2025-04-11

SEAL



**ARCADIS**

PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY: <b>V. MAC</b>	CHECKED BY: <b>M. BOJIC</b>
----------------------------	--------------------------------

PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>P. WILLIAMS</b>
-------------------------------------	------------------------------------

SHEET TITLE  
ELECTRICAL GENERAL  
NOTES

SHEET NUMBER  
G05-G4002

ISSUE



# CITY OF TORONTO

# ACCESSIBILITY UPGRADES

# TYPICAL DETAILS BOOKLET

9119- 19- 0162 / Arcadis 30279056

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

STRUCTURAL TYPICAL DETAILS INDEX	
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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2025-04-11

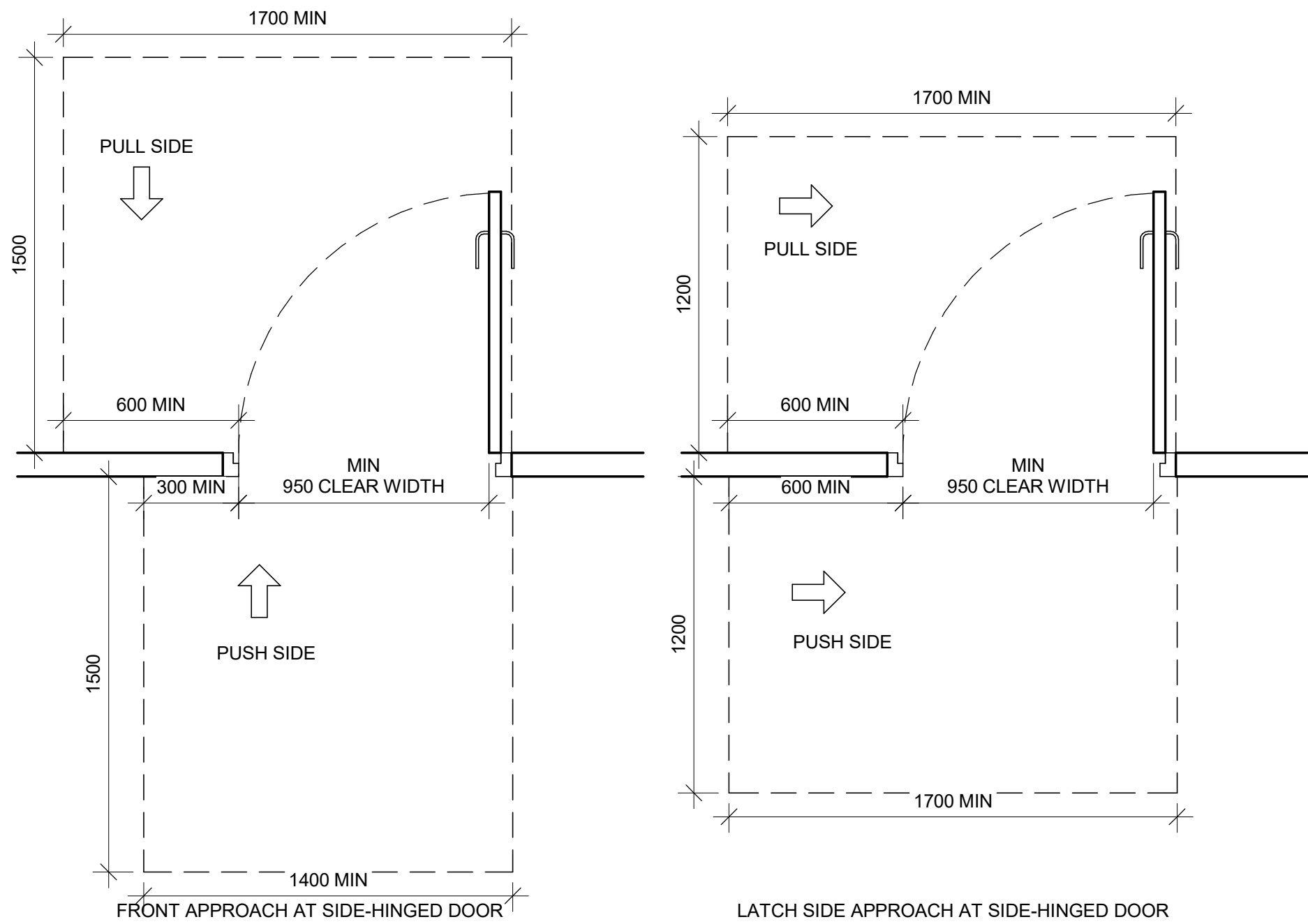
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D1000	A

ISSUED FOR TENDER

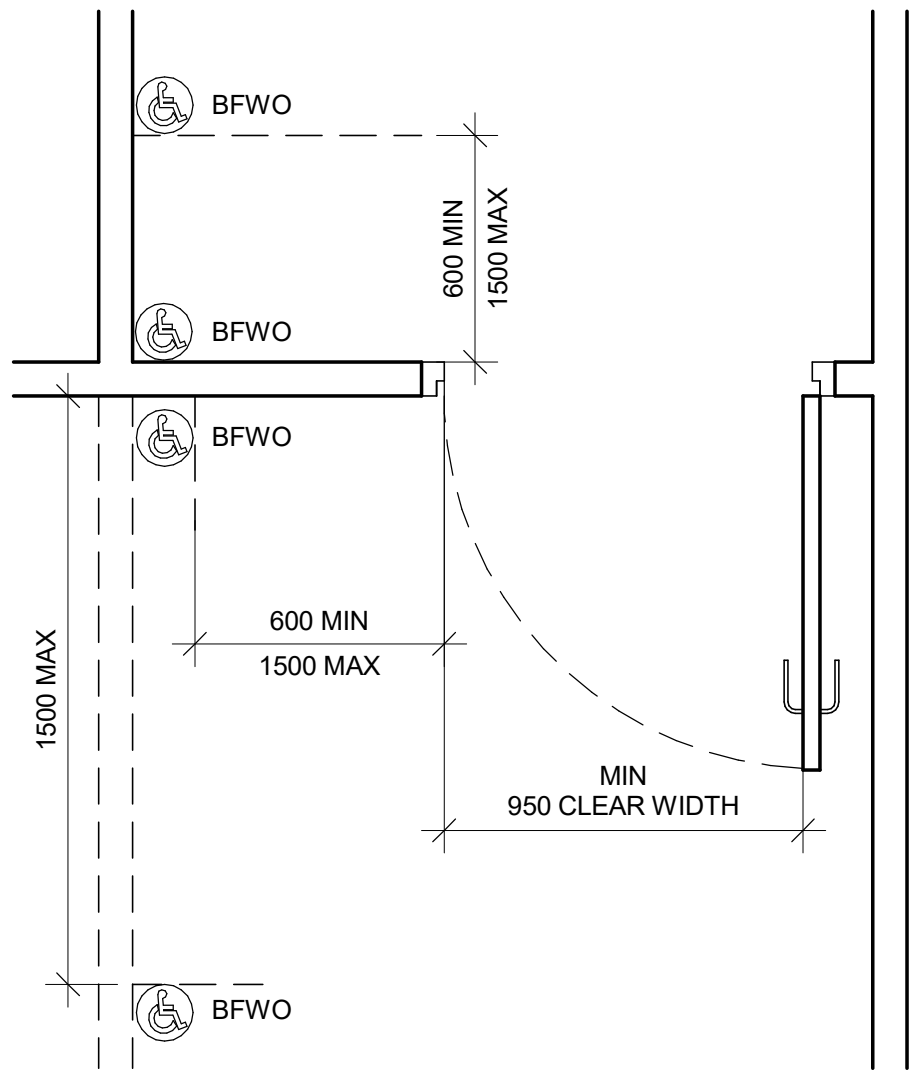


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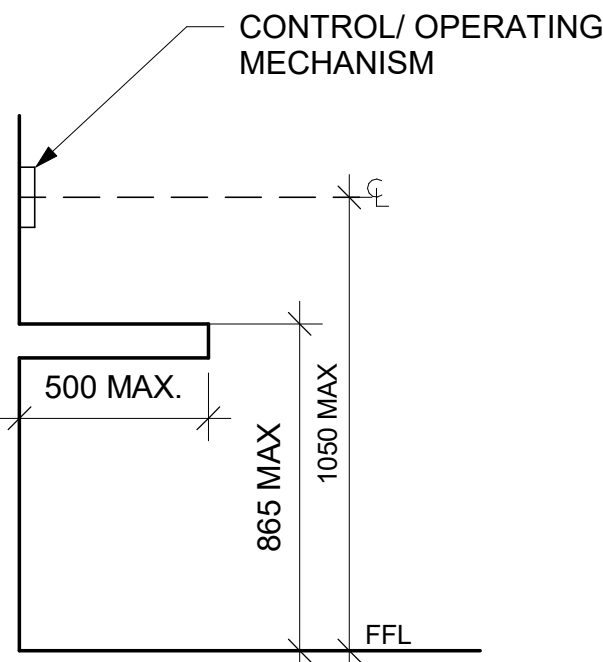
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Scale: NTS



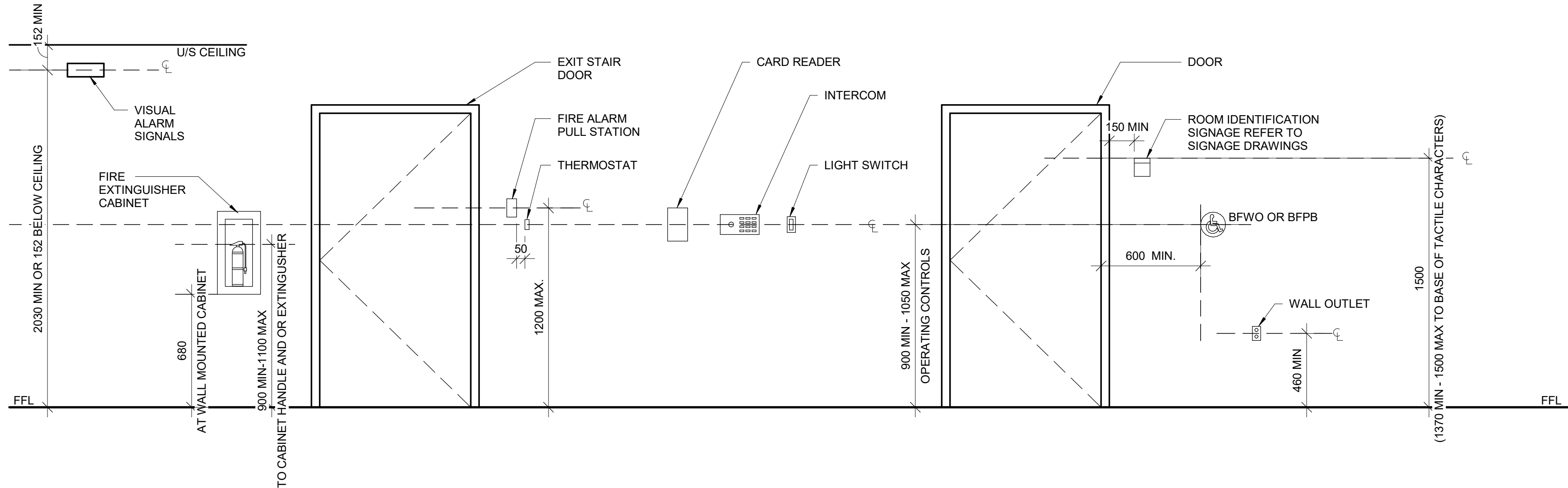
2 DOOR APPROACH CLEARANCES  
D1001 Scale: 1 : 20



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

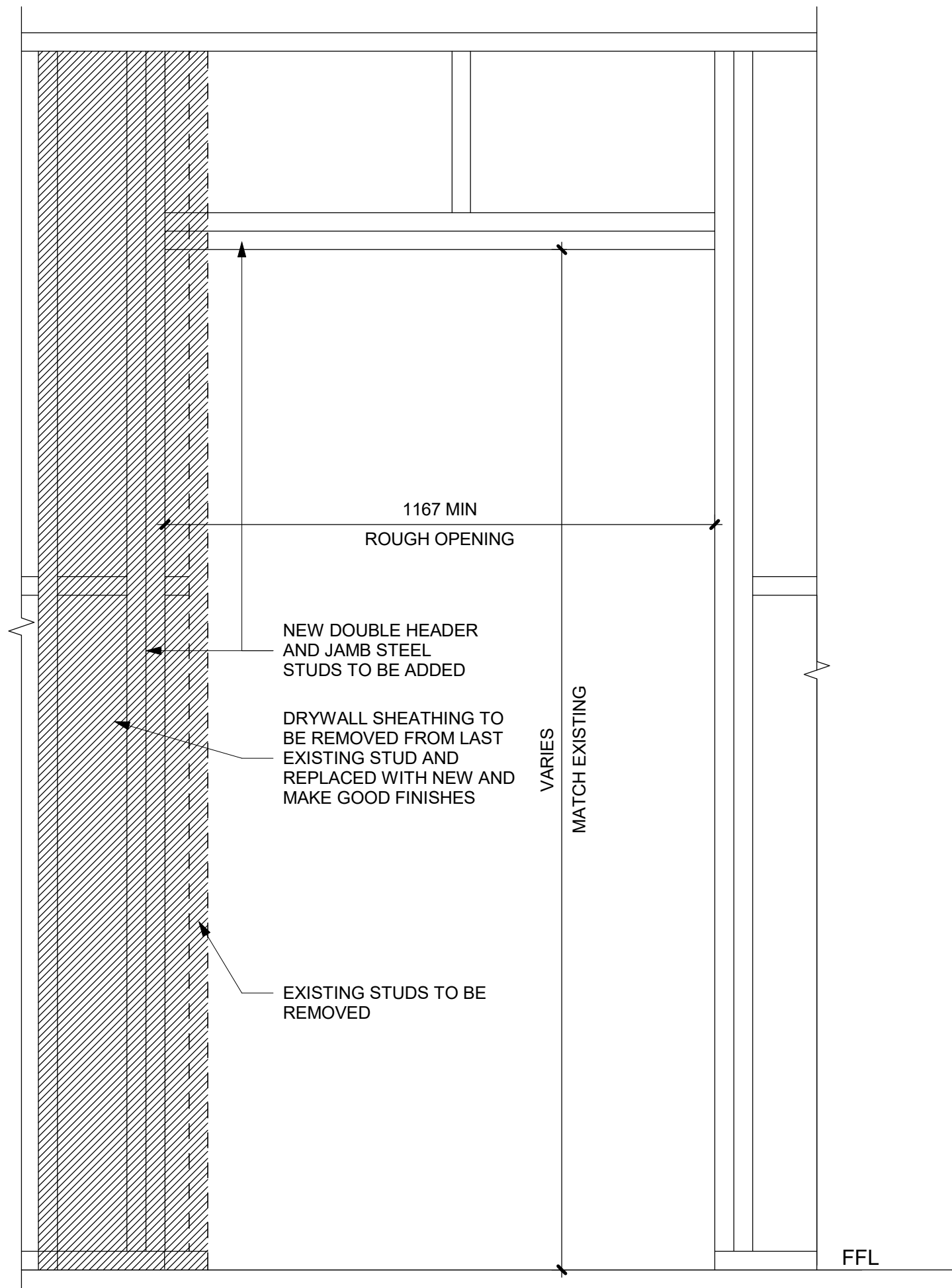
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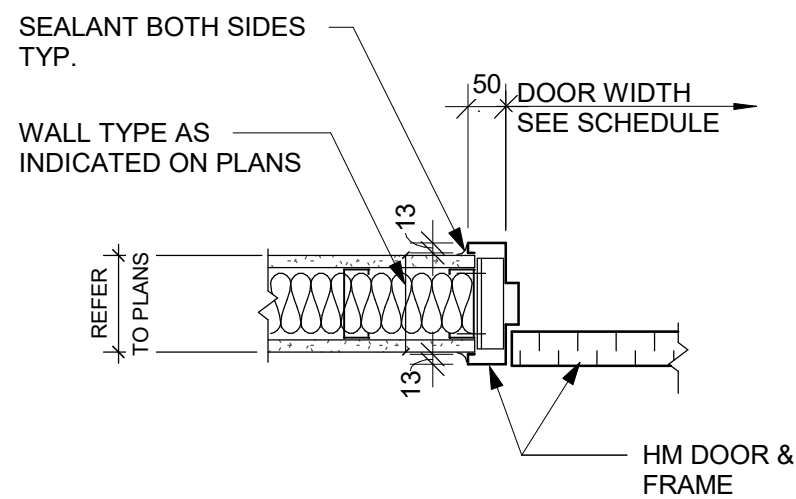
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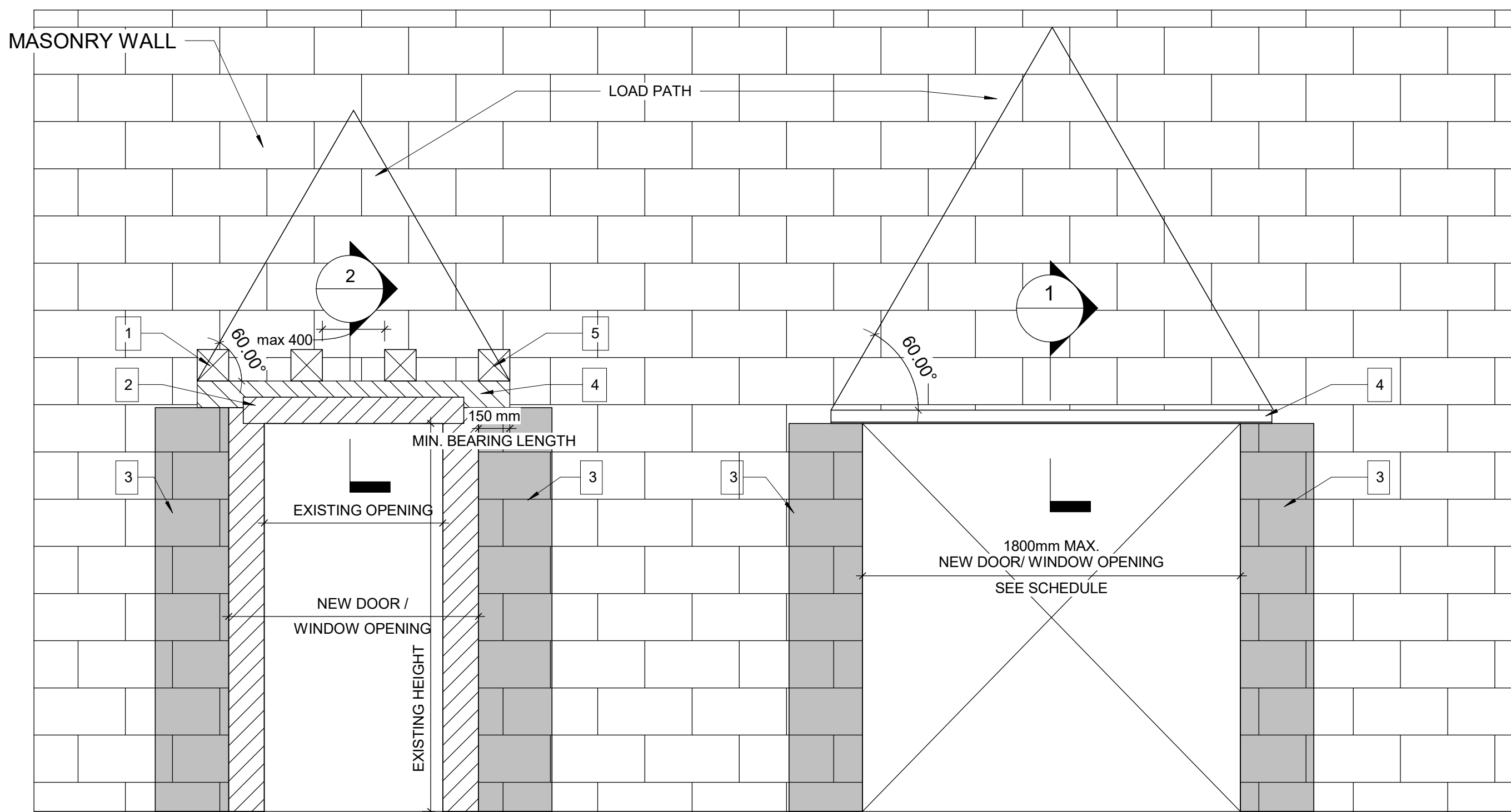




1 DRYWALL - DOOR CUTOUT DETAIL  
D1002 Scale: 1 : 10



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



WIDENING AN EXISTING OPENING  
IN 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

3 WIDENING WALL OPENING  
D1002 Scale: 1 : 20

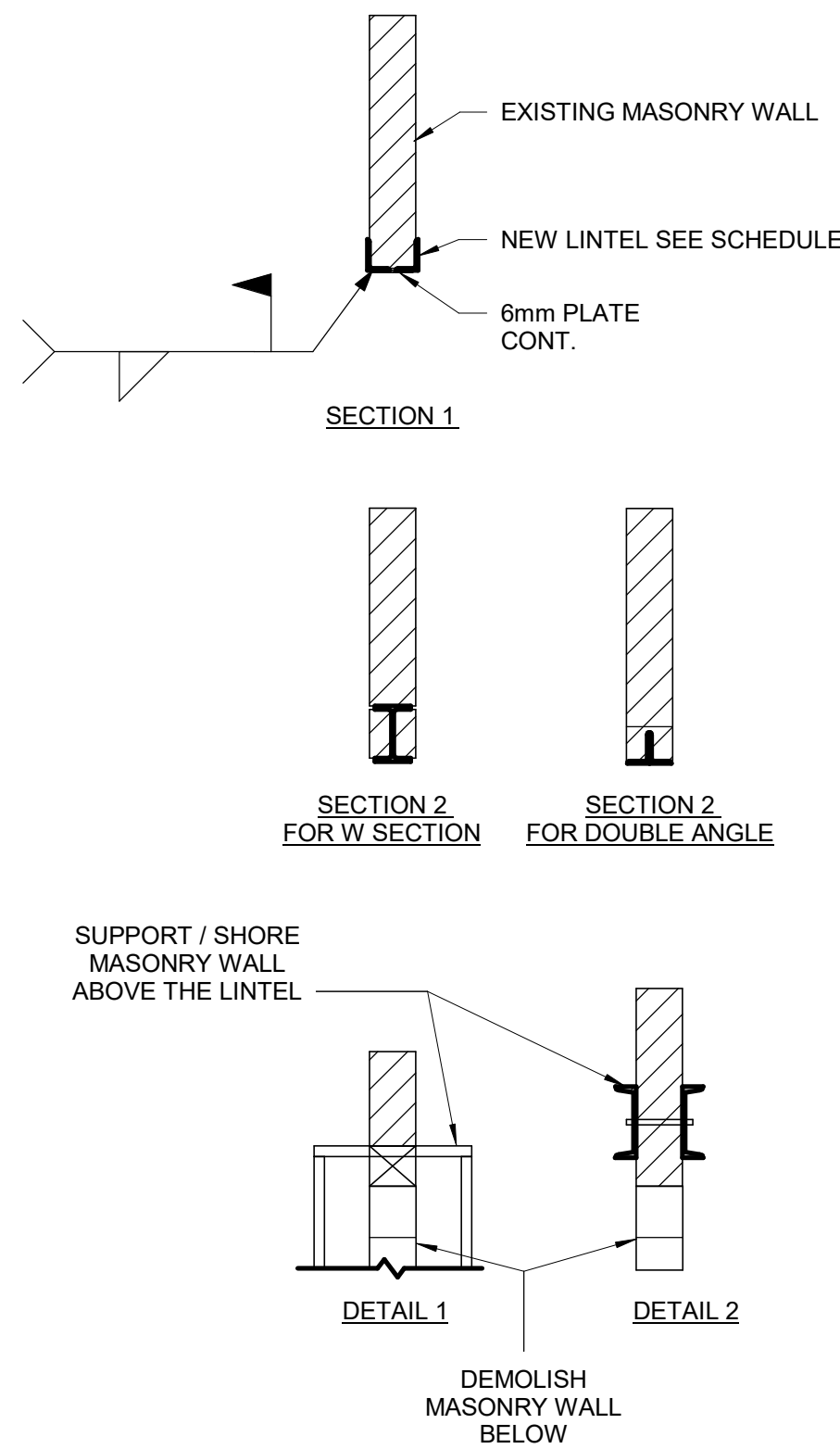
NEW DOOR/WINDOW OPENING  
INTO EXISTING MASONRY WALL TYP.

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'-0")	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		



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

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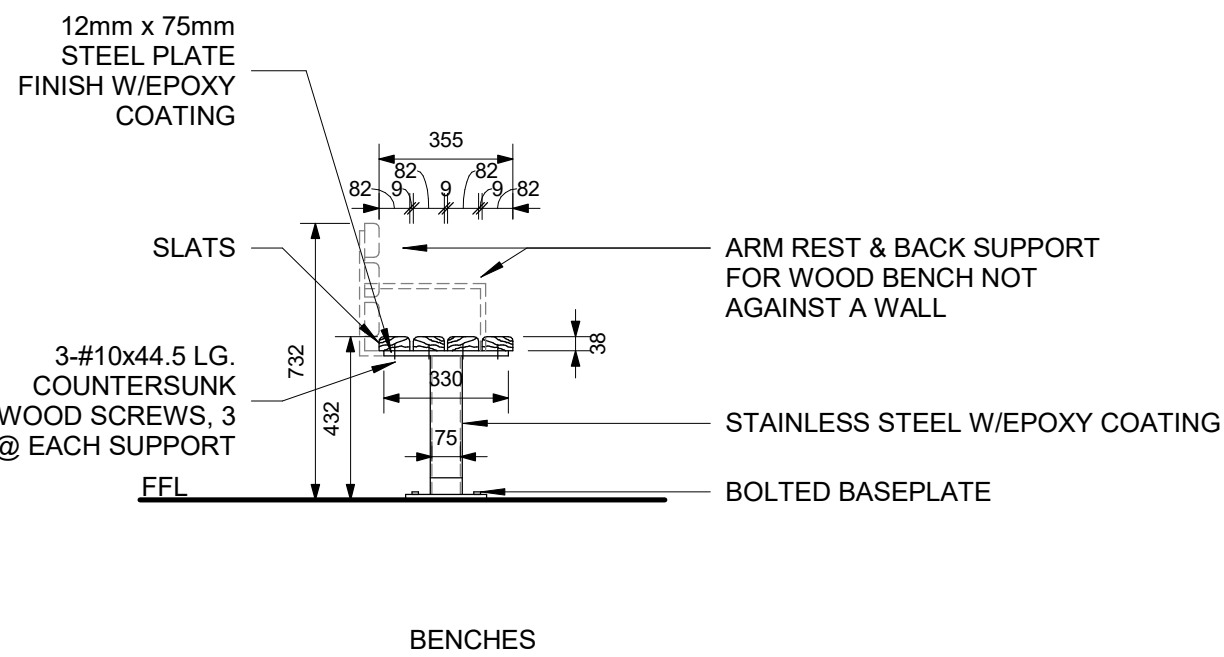
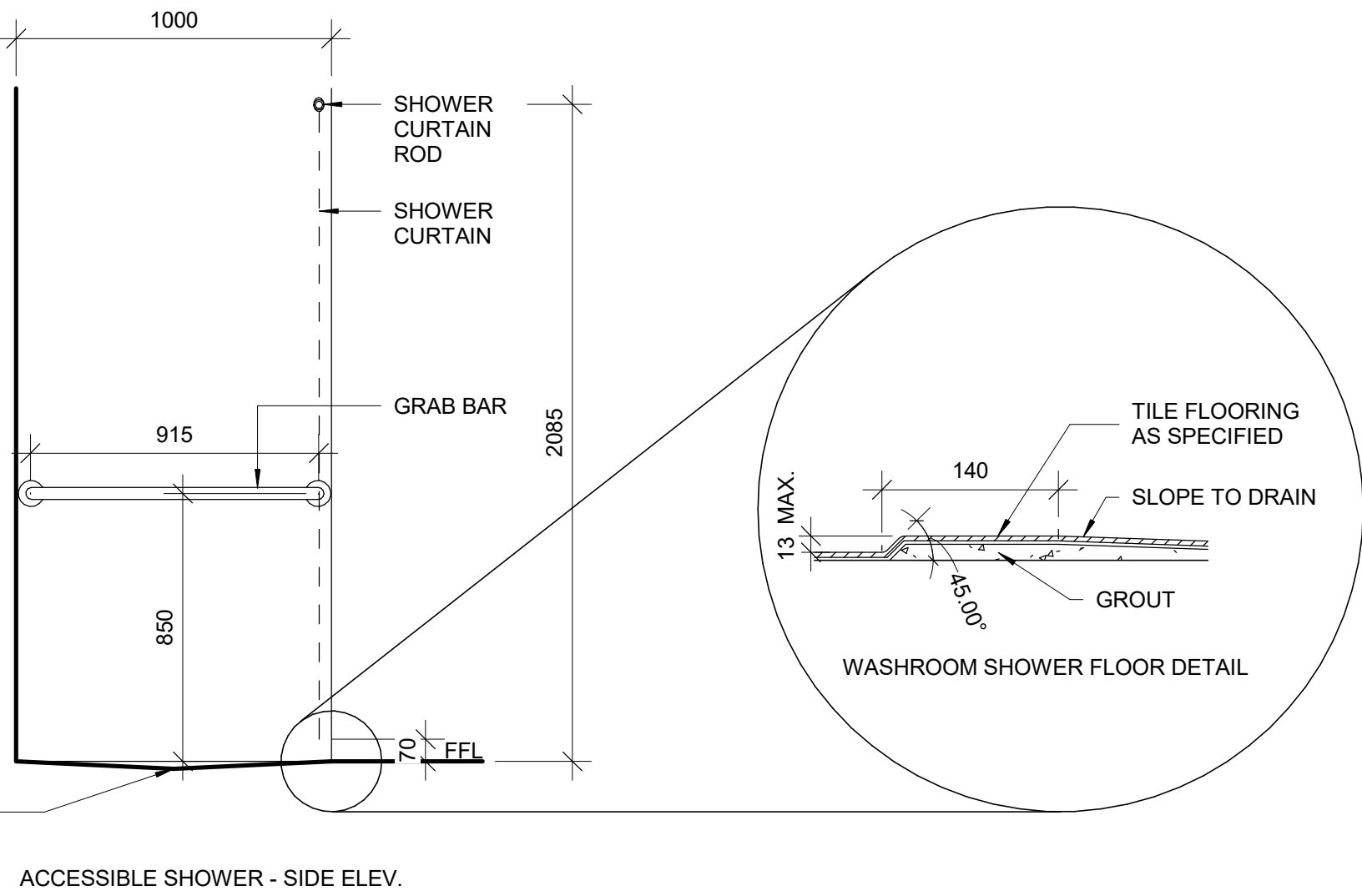
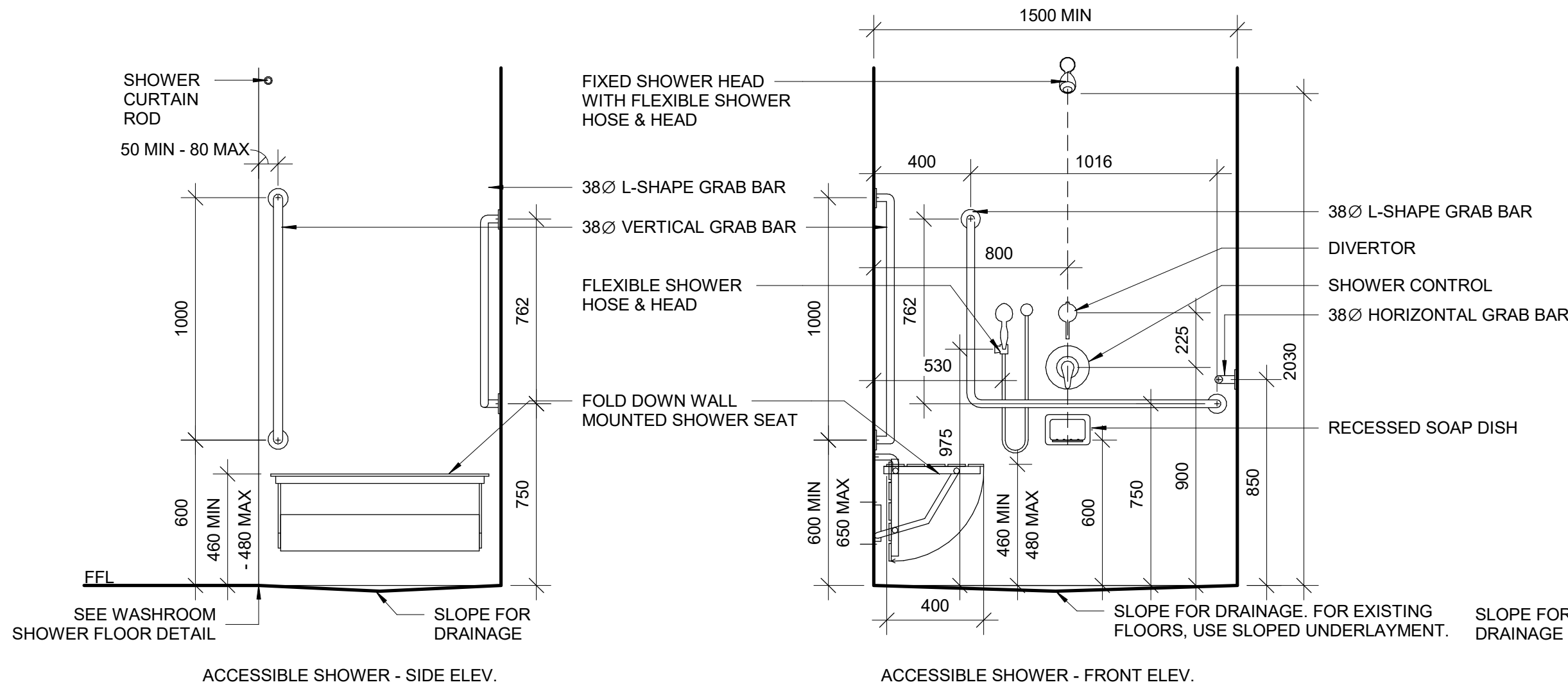
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PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>E. FENUTA</b>

SHEET TITLE  
**DRYWALL CUT OUT**

SHEET NUMBER  
**D1002**

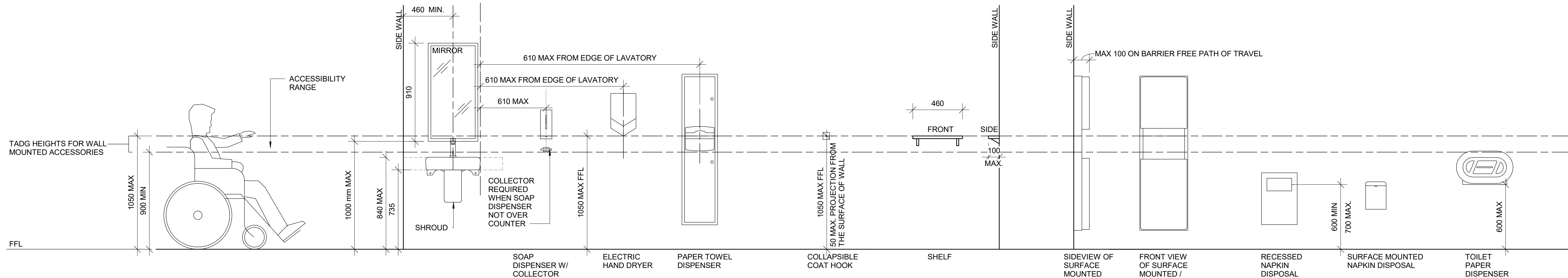
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**A**



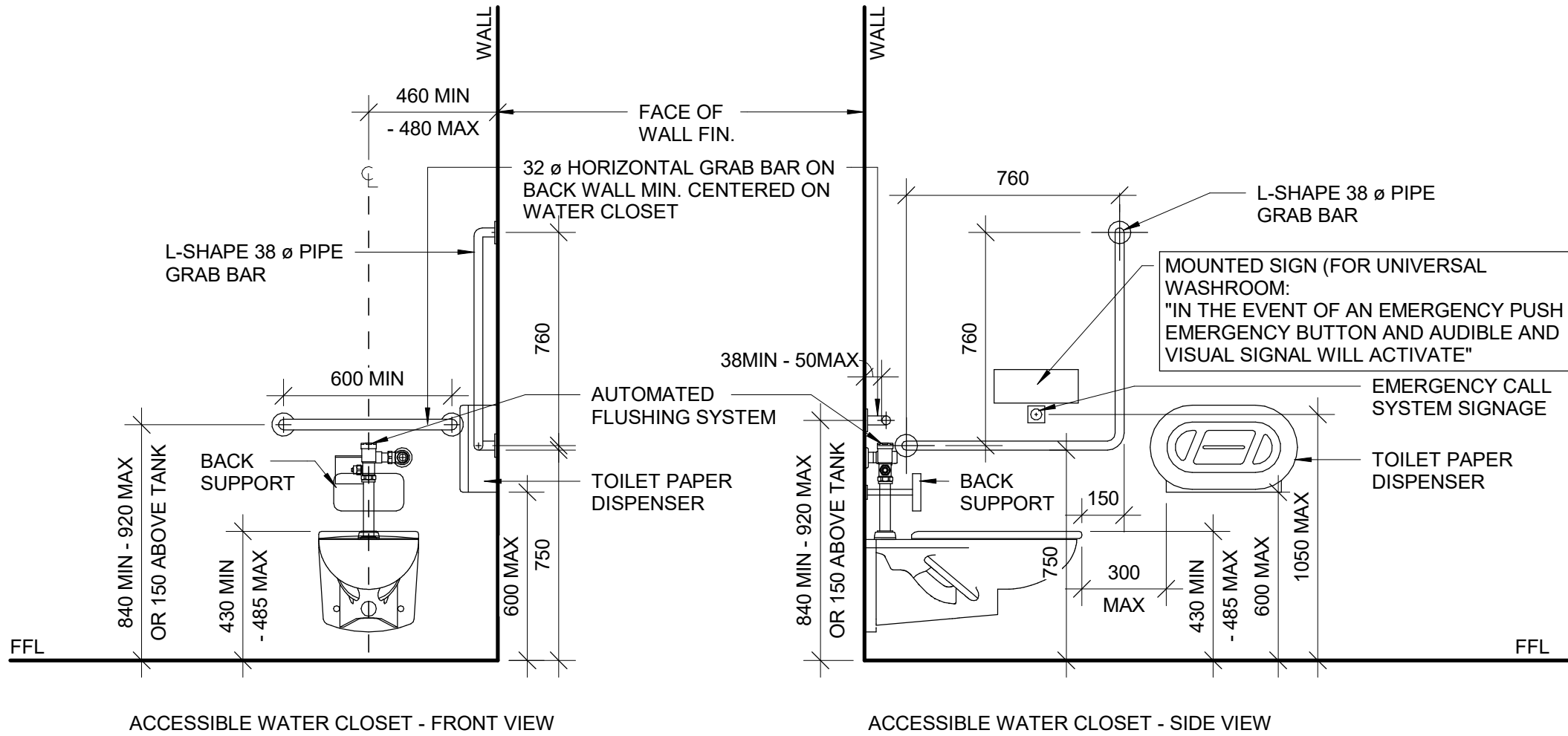


1 ACCESSIBLE SHOWER ACCESSORIES  
D1201 Scale: 1 : 20

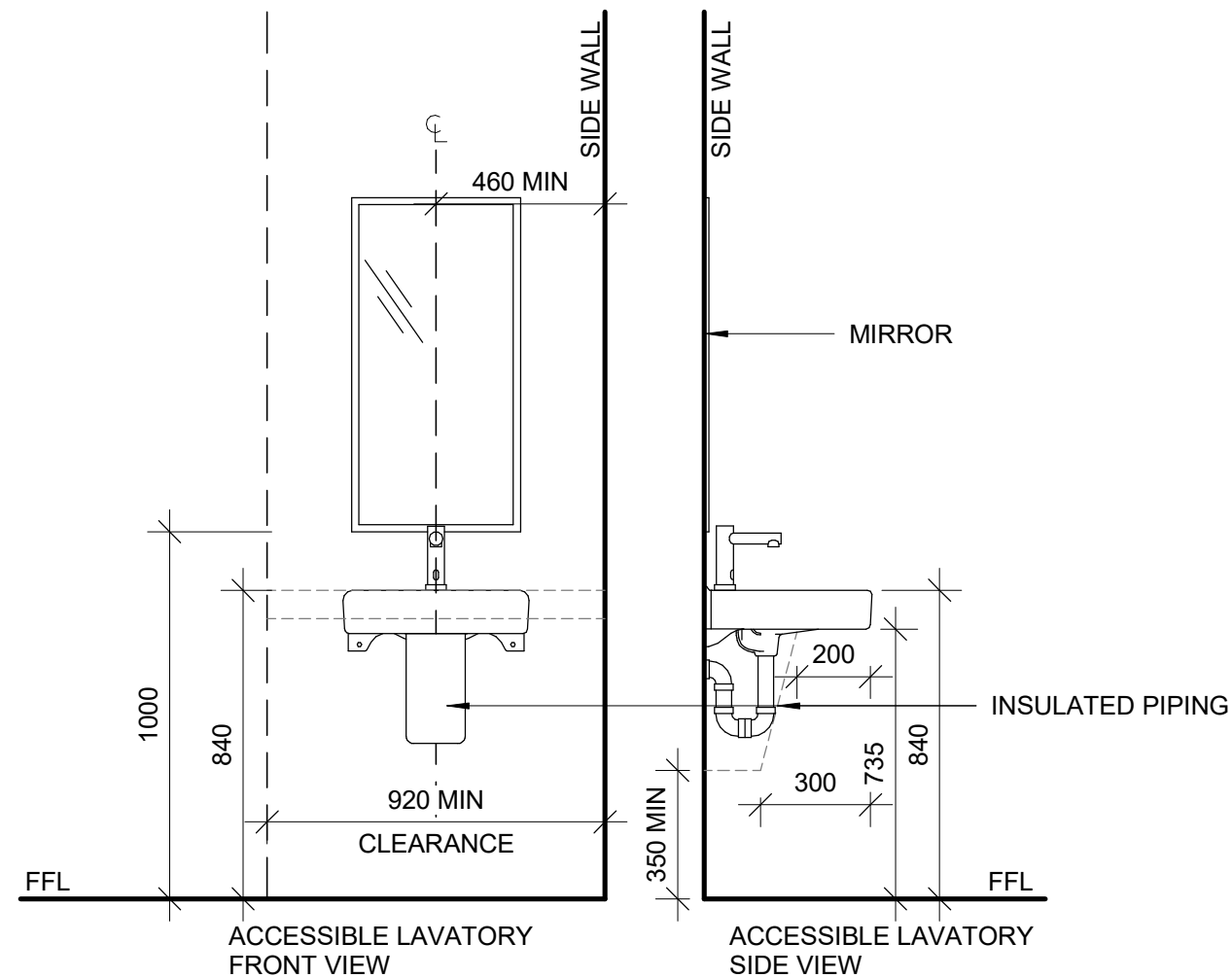
6 WASHROOM/CHANGEROOM BENCH  
D1201 Scale: 1 : 20



2 ACCESSIBLE WASHROOM - ACCESSORIES  
D1201 Scale: 1 : 20

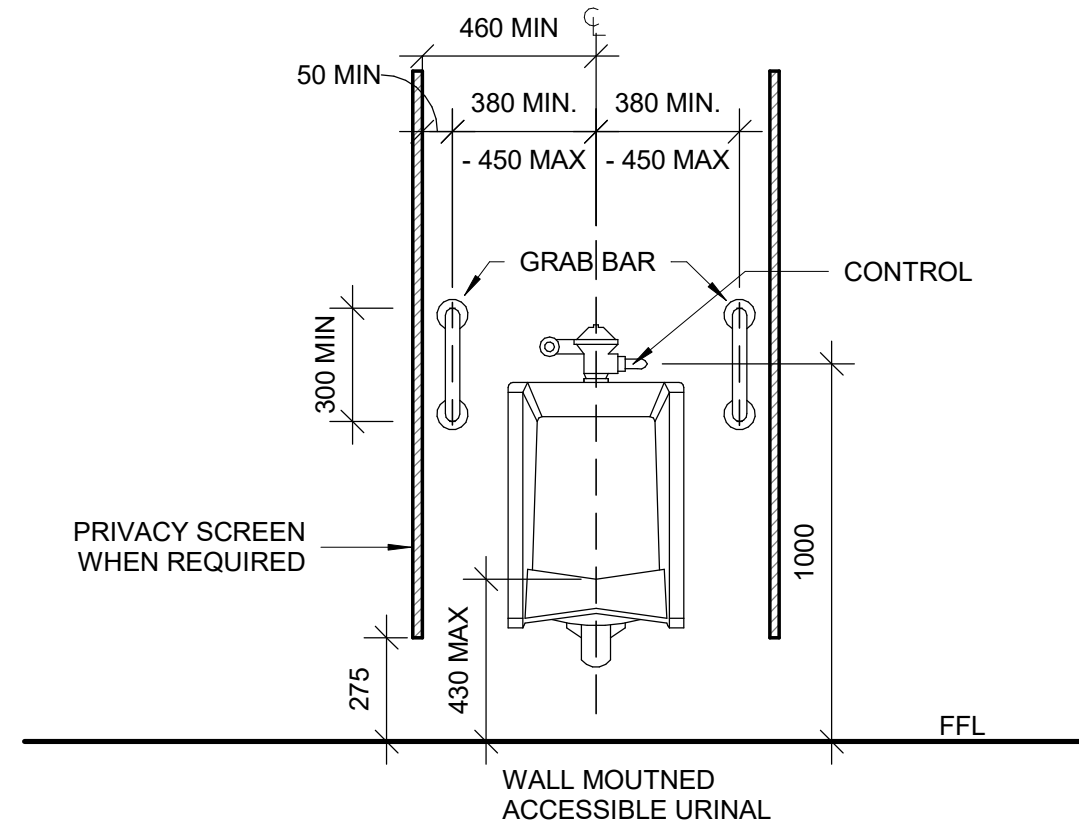


3 ACCESSIBLE WASHROOM - WATER CLOSET  
D1201 Scale: 1 : 20



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. MOISTURE RESISTANT GYPSUM BOARD TO BE PROVIDED IN ALL WASHROOMS AND LOCKER ROOMS.
  2. PROVIDE WALL REINFORCEMENT TO SUPPORT FUTURE ADULT CHANGE TABLE MINIMUM LOAD OF 1.33 KN AND POWER OUTLET.
  - 3.



5 ACCESSIBLE WASHROOM - URINAL  
D1201 Scale: 1 : 20

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PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
**A. BOYNARIAN**

CHECKED BY:  
**K. TILAHUN**

PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**E. FENUITA**

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

SHEET NUMBER <b>D1201</b>	ISSUE <b>A</b>
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PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>E. FENUTA</b>
-------------------------------------	----------------------------------

SHEET TITLE  
UNIVERSAL WASHROOM  
& SHOWER PLANS

SHEET NUMBER  
D1202

ISSUE  
A



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CHECKED BY:  
K. TILAHUN

PROJECT MGR:  
F.BOLOURIAN

APPROVED BY:  
E. FENUTA

SHEET TITLE

UNIVERSAL WASHROOM  
ELEVATIONS

SHEET NUMBER

D1203

ISSUE

A

2025-04-11 10:38:53 AM

SCALE CHECK

1 in

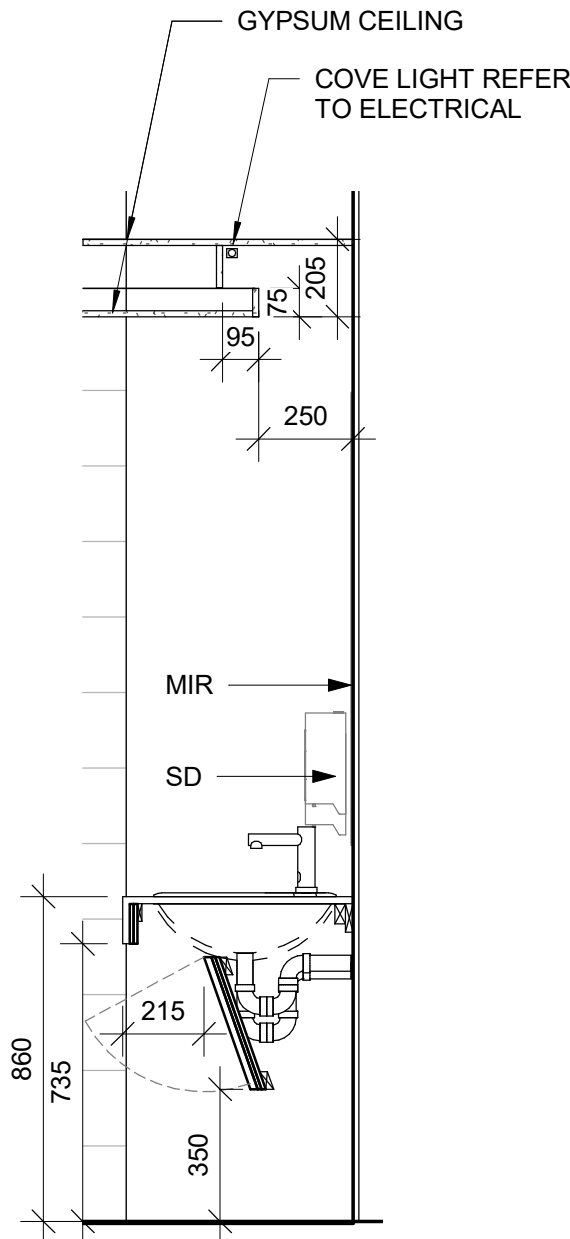
10mm



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RESERVED

RESERVED



- 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 MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>E. FENUITA</b>

SHEET TITLE  
WASHROOM VANITY  
SECTION

SHEET NUMBER	ISSUE
D1204	A



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

SHEET TITLE

UNIVERSAL WASHROOM  
EMERGENCY CALL  
SYSTEM

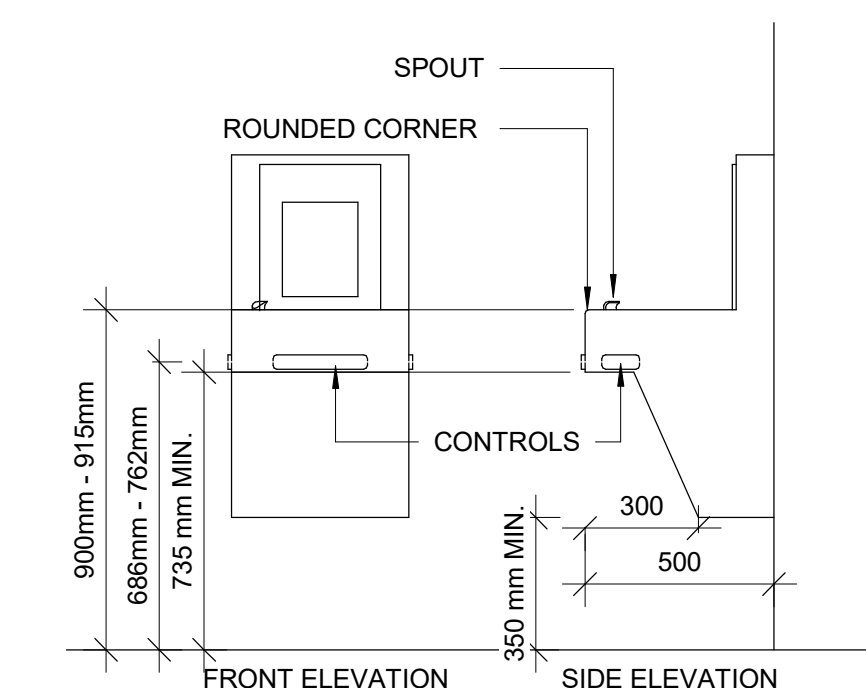
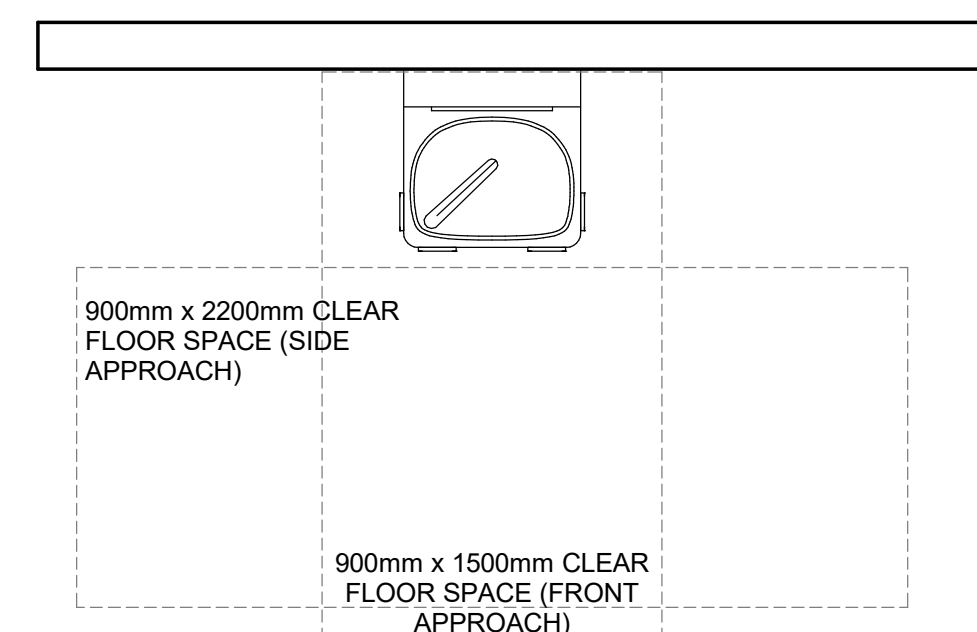
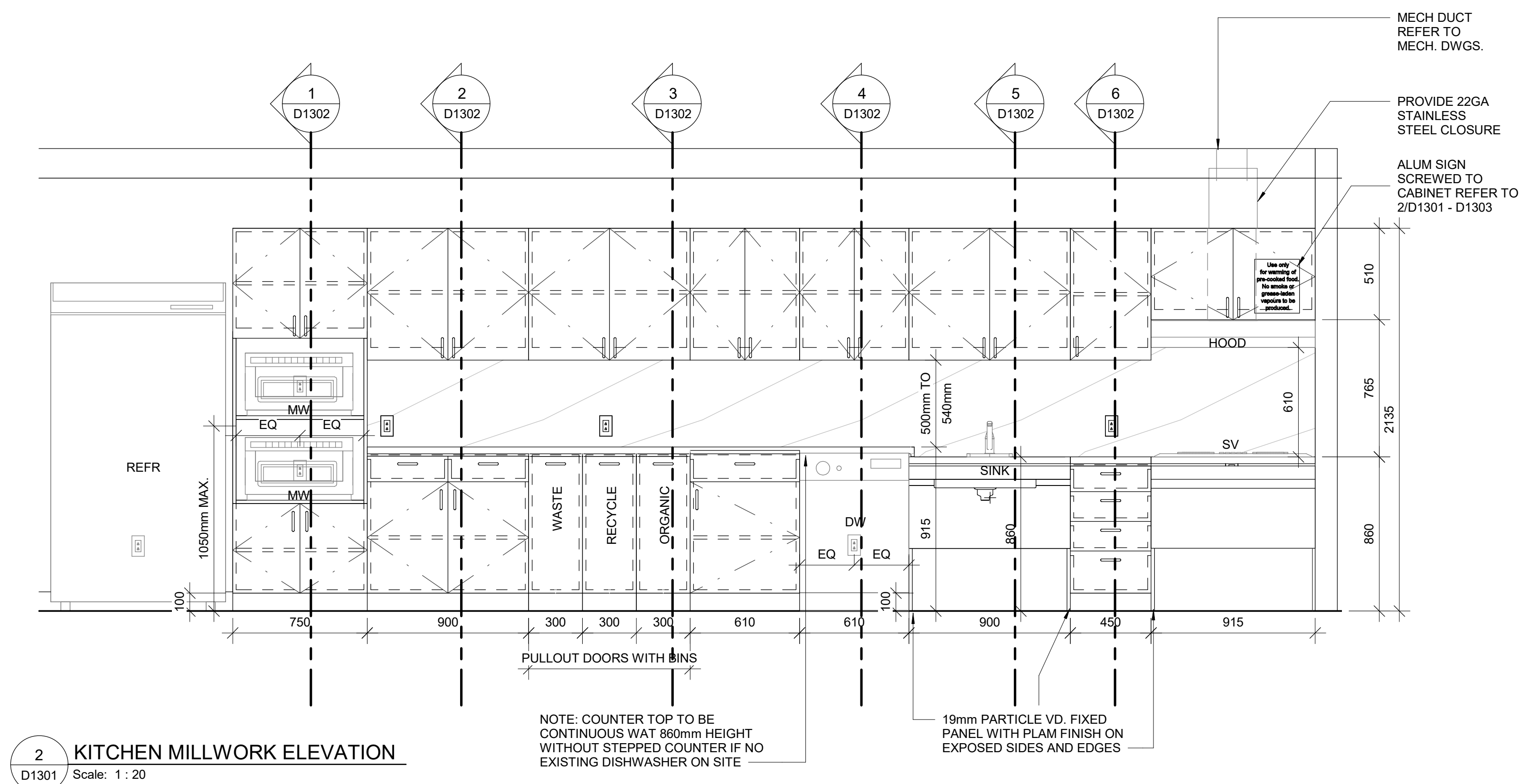
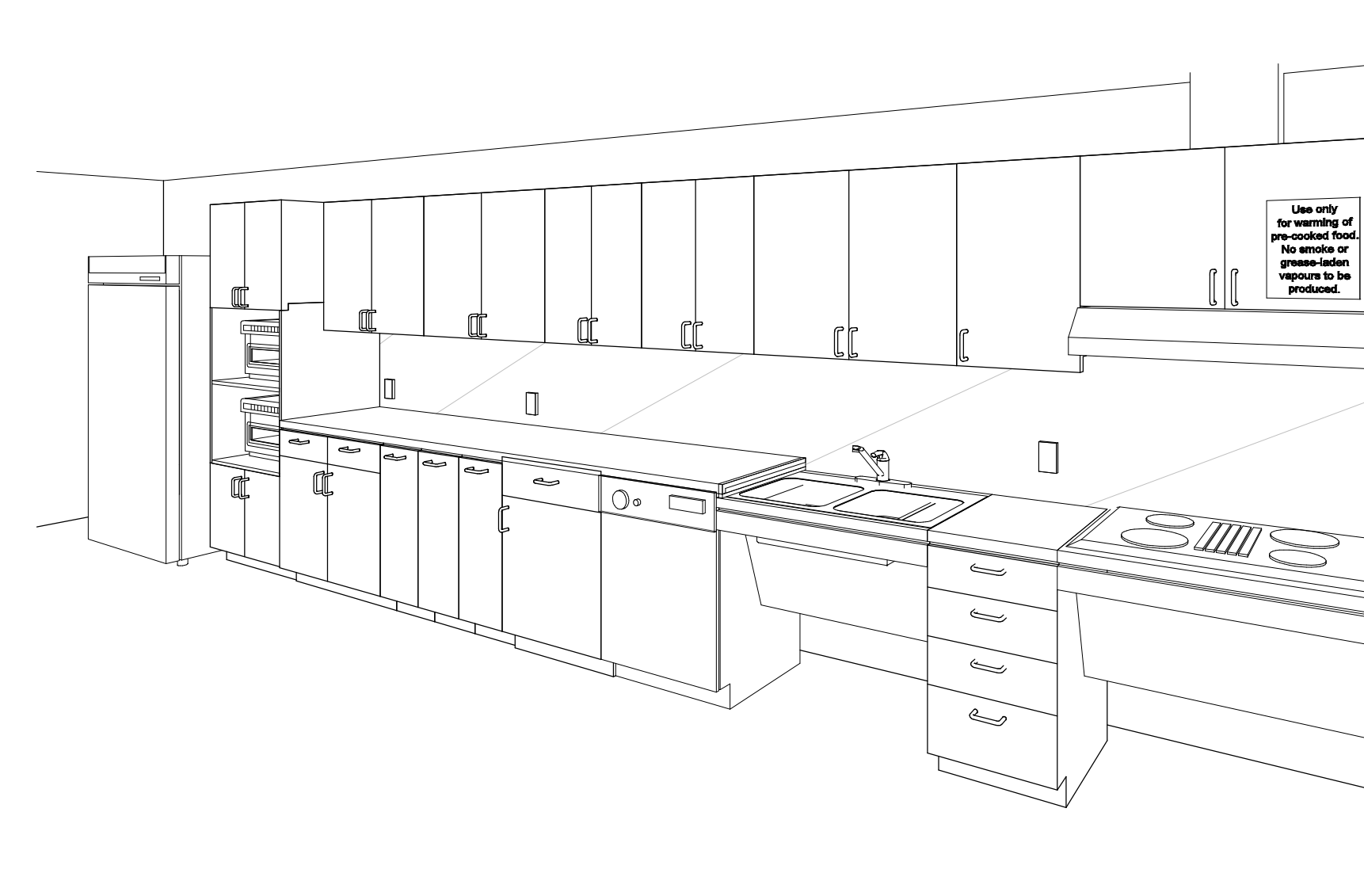
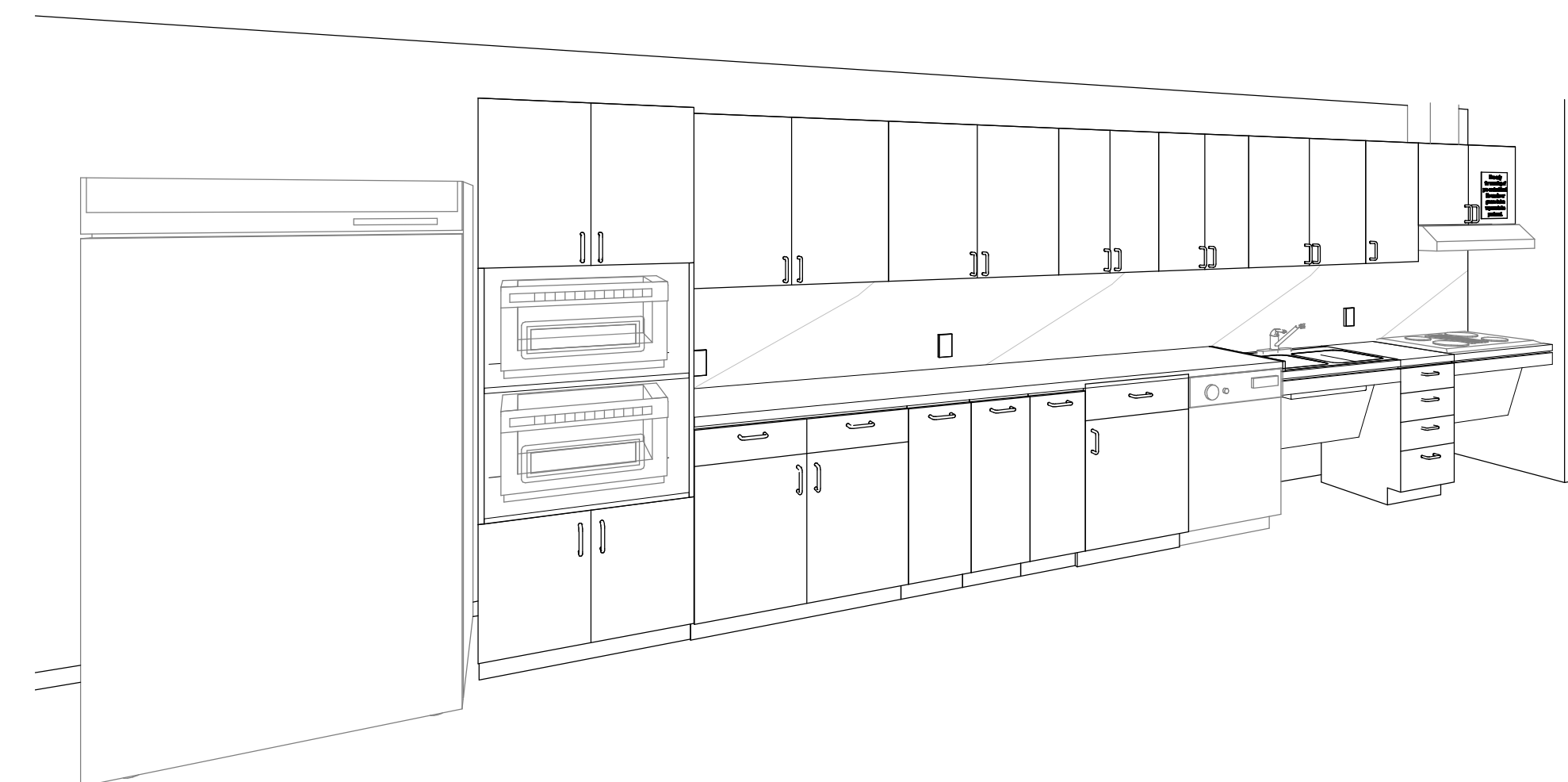
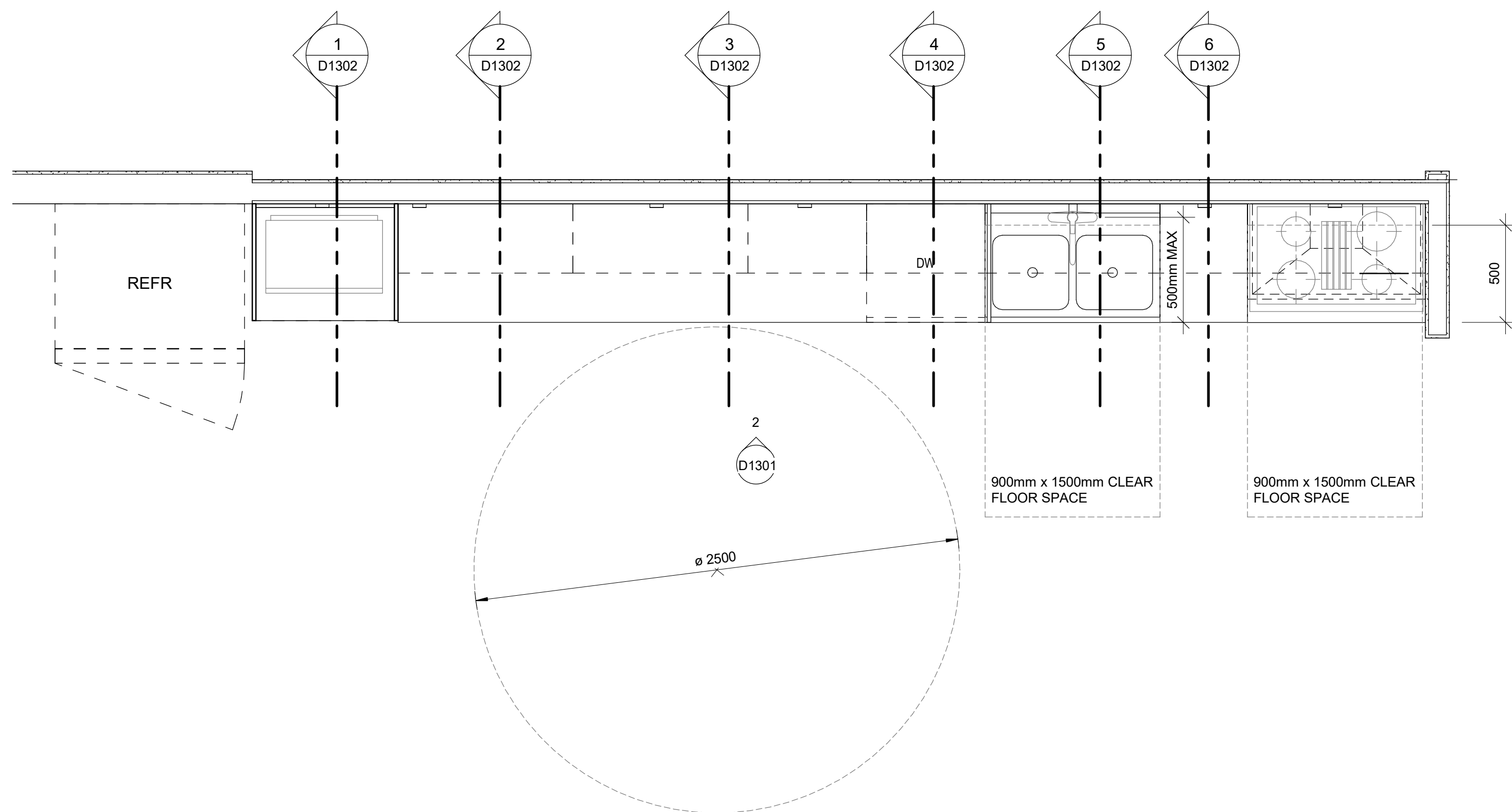
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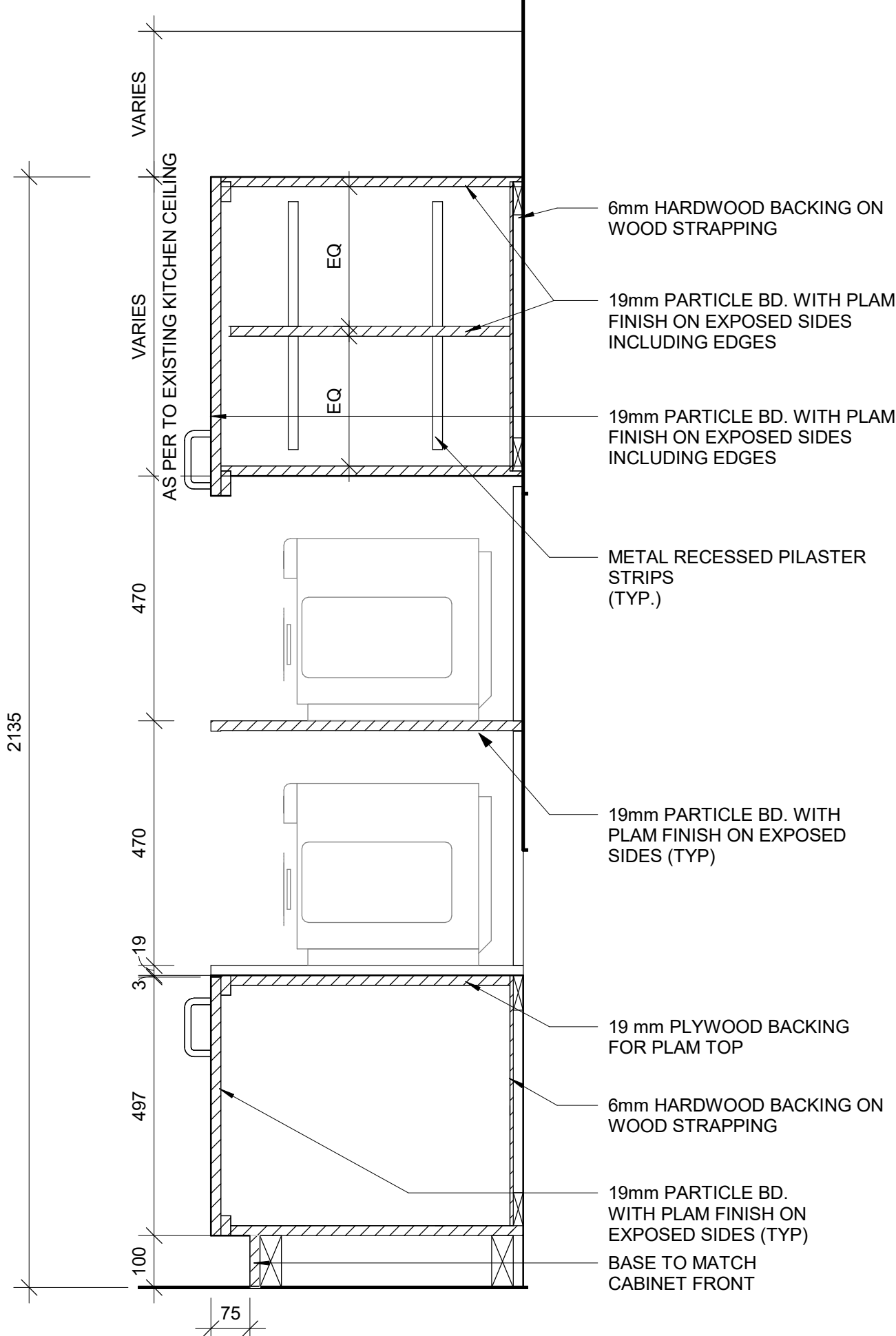


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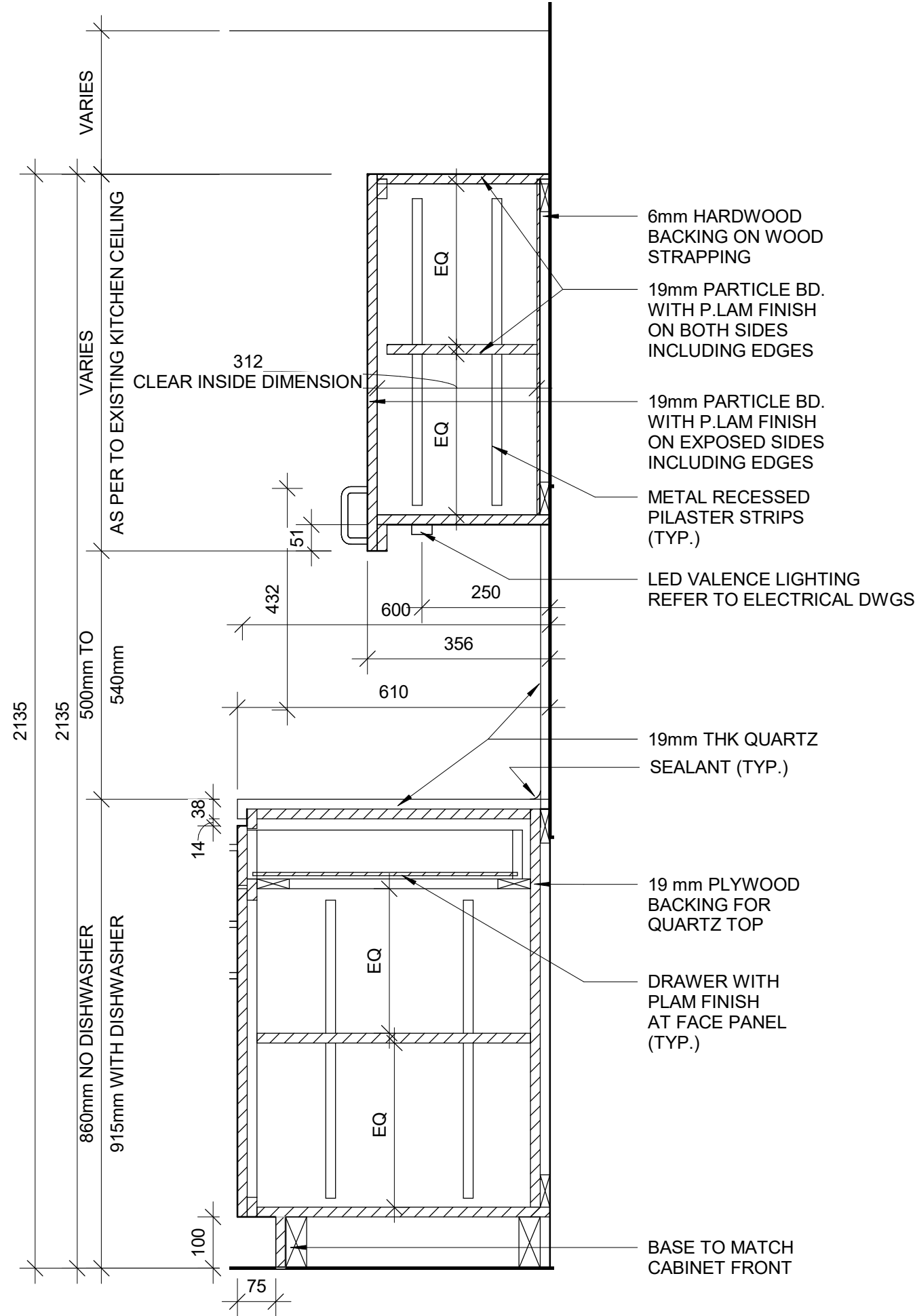
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2. CONTRACTOR TO CONFIRM APPLIANCES SIZES PRIOR TO FABRICATION OF MILL WORK



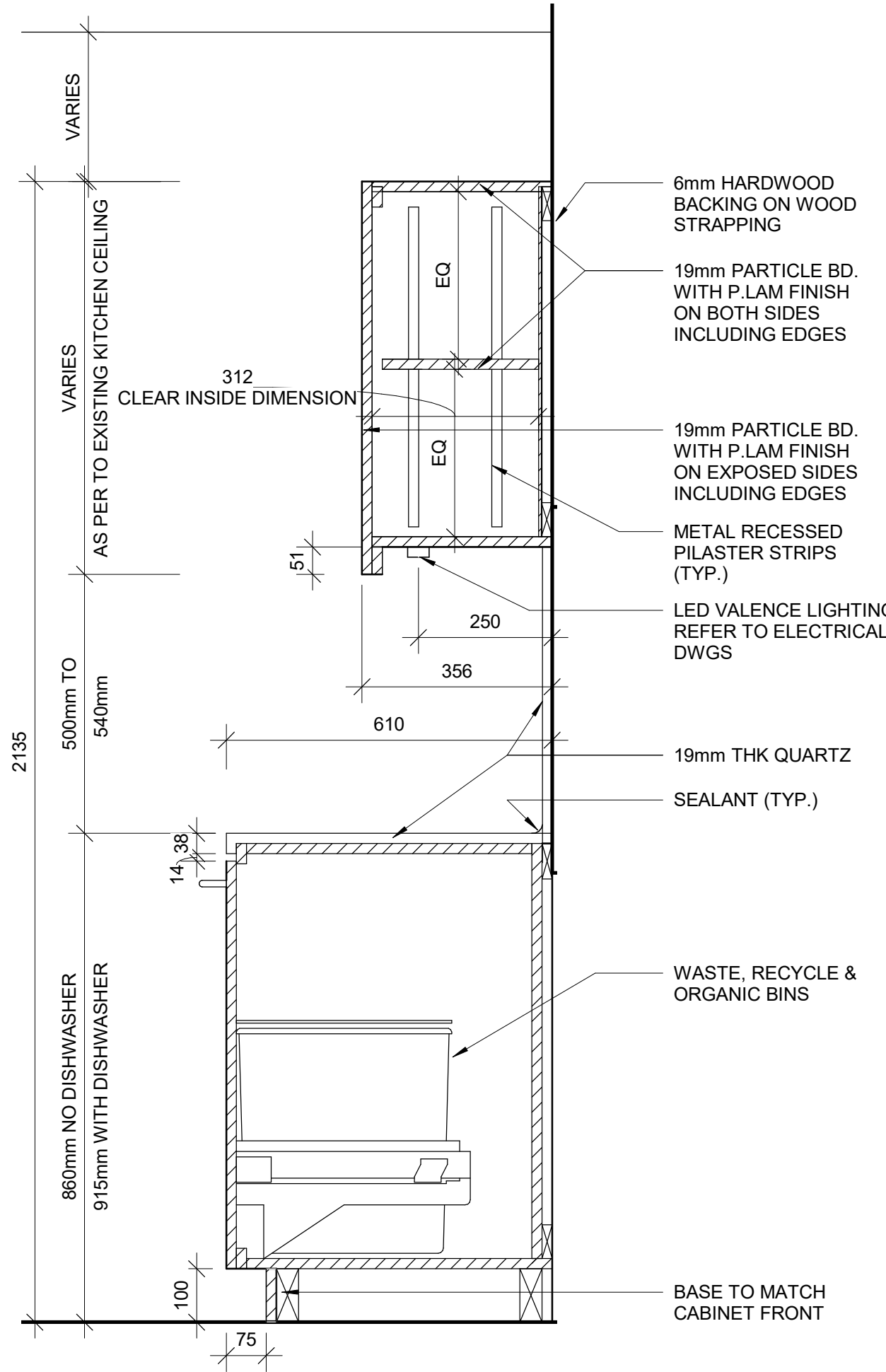
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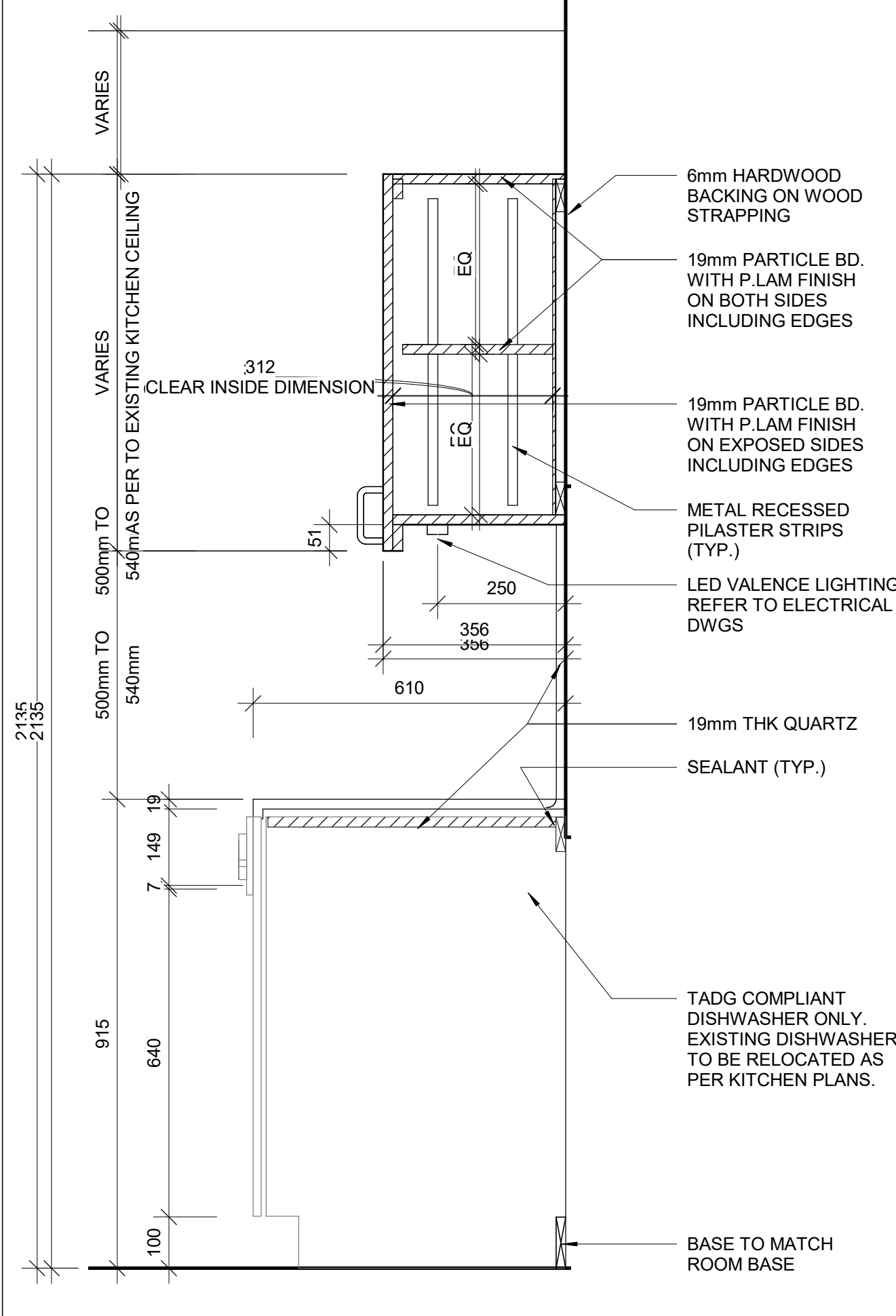
1 BASE CABINETRY- MICROWAVE STORAGE  
D1302 / Scale: 1 : 10



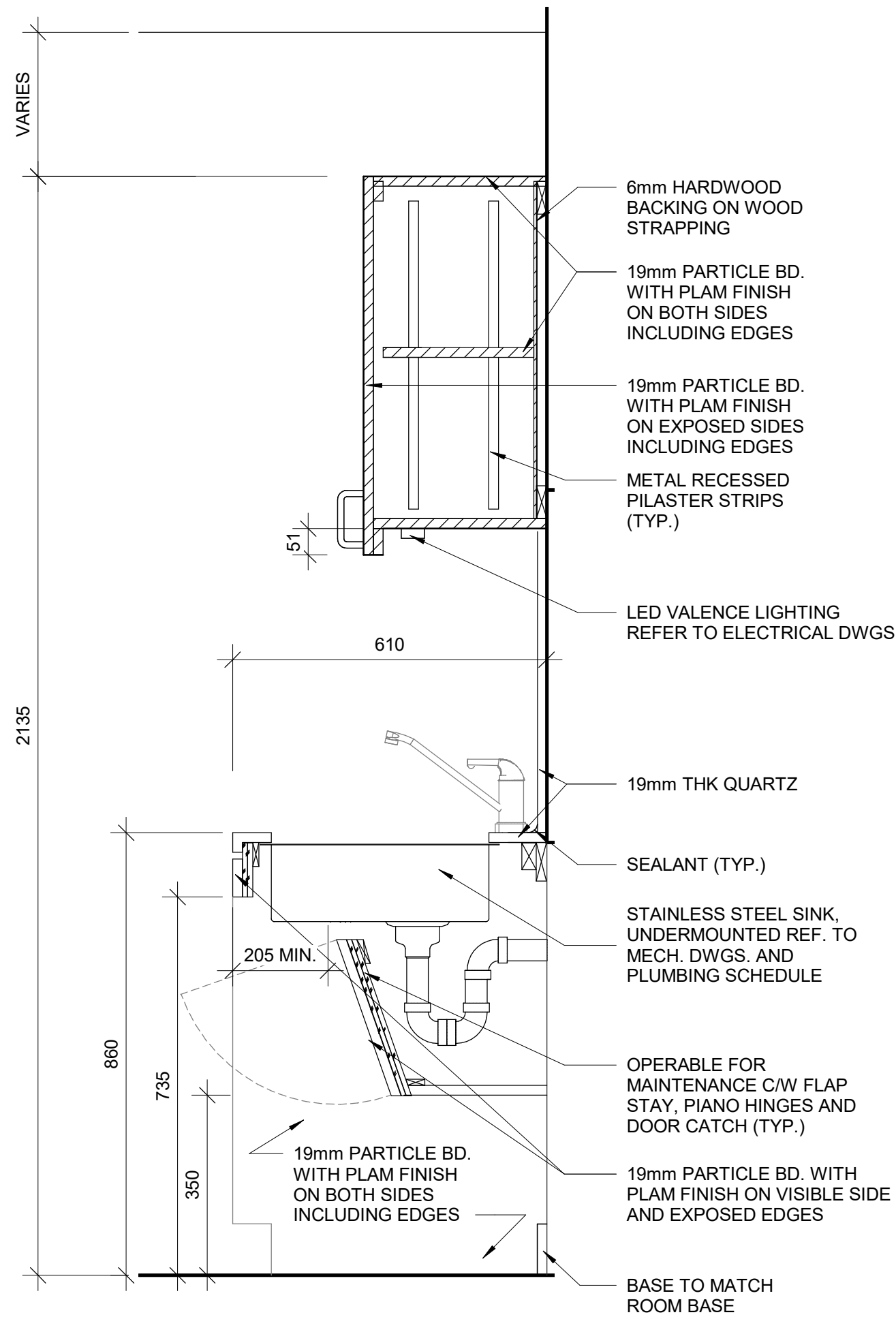
2 BASE CABINETRY WITH DRAWER  
D1302 / Scale: 1 : 10



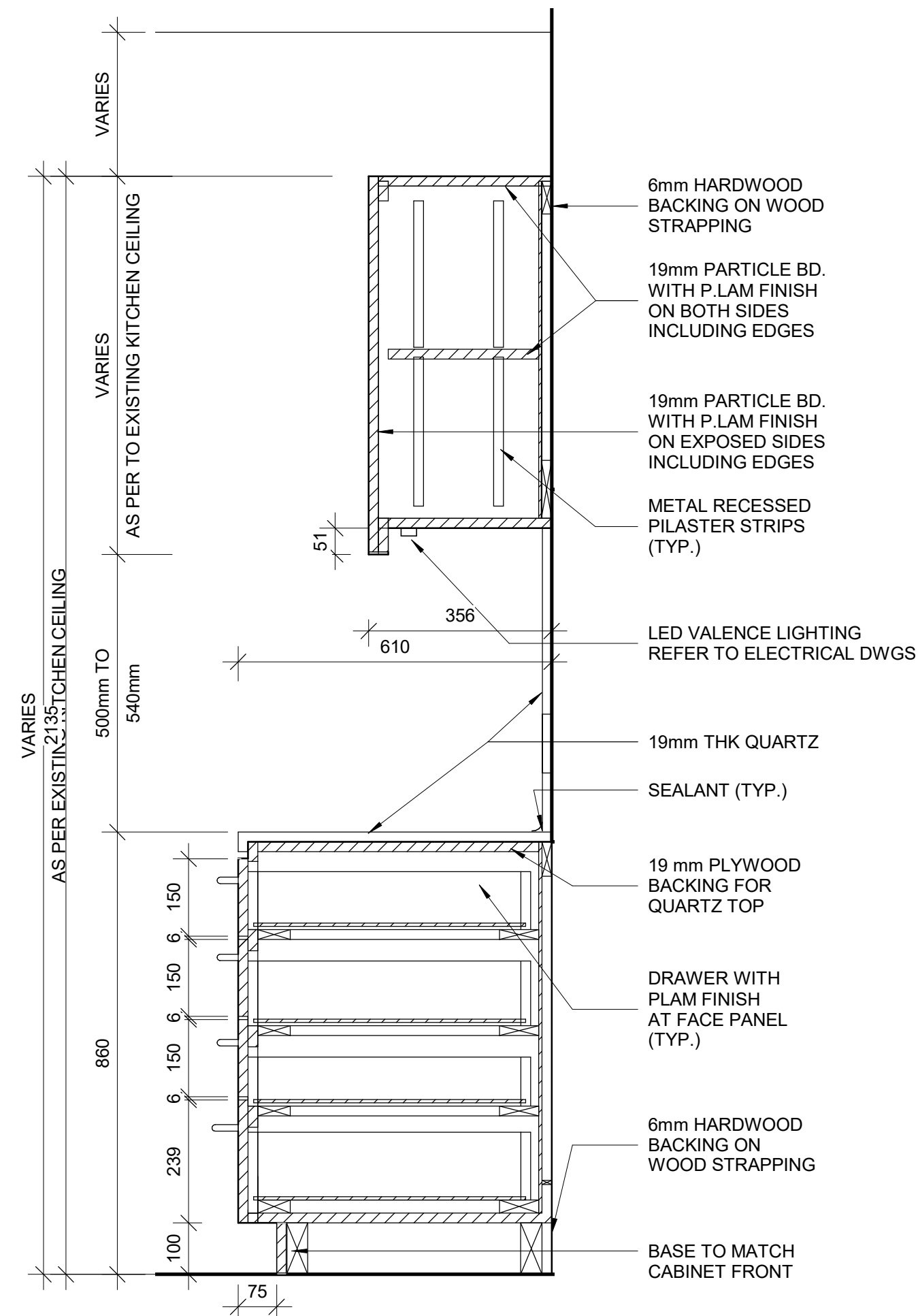
3 BASE CABINETRY WITH GARBAGE BIN  
D1302 / Scale: 1 : 10



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

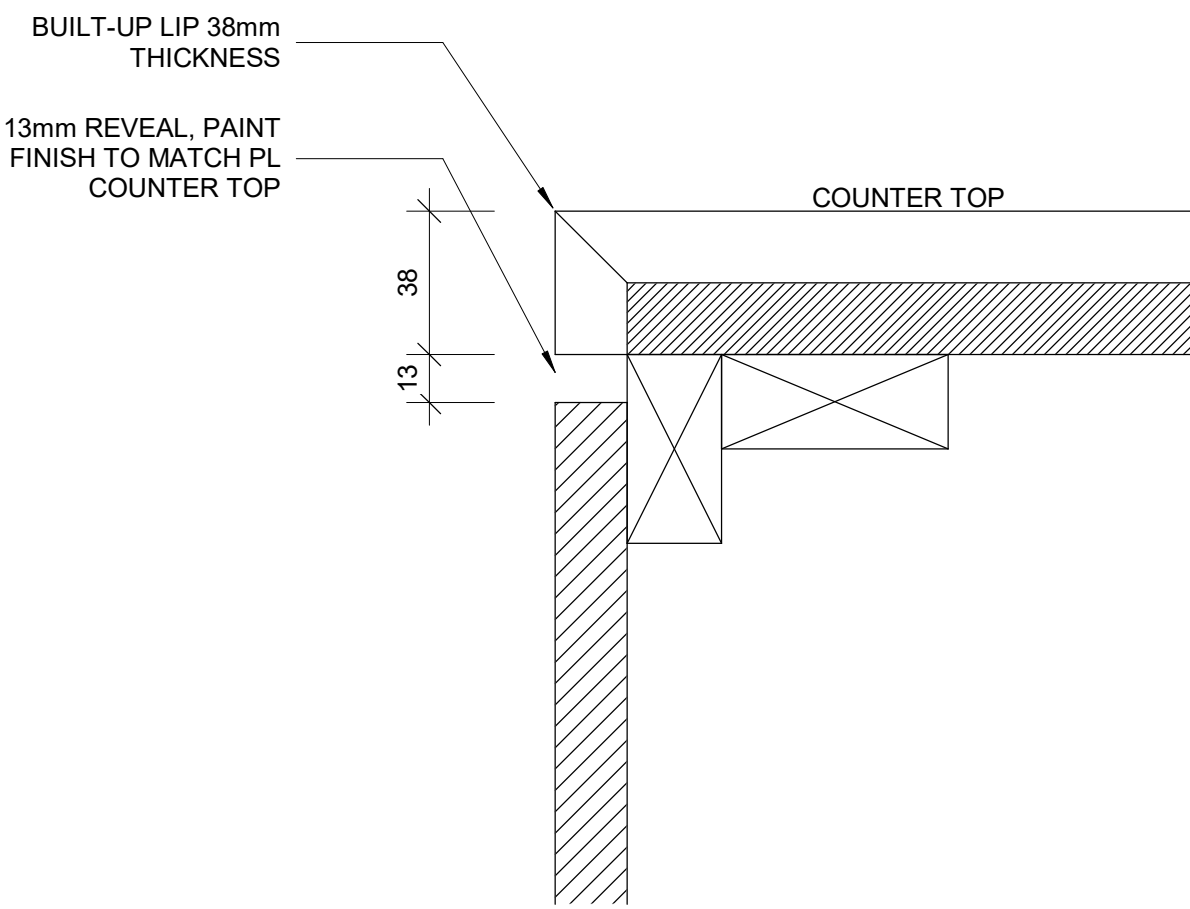


5 BASE CABINETRY WITH SINK  
D1302 / Scale: 1 : 10



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



RESERVED



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

NOTE:

- ALL APPLIANCES ARE OUT OF SCOPE AND ARE FOR INFORMATION PURPOSES ONLY
- CONTRACTOR TO CONFIRM APPLIANCES SIZES PRIOR TO FABRICATION OF MILLWORK

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CITY OF TORONTO ACCESSIBILITY UPGRADES		
PROJECT ADDRESS		
PROJECT NO: 9119- 19- 0162 / Arcadis 30279056		
DRAWN BY: <b>A. BOYNARIAN</b>	CHECKED BY: <b>K. TILAHUN</b>	
PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>E. FENUITA</b>	
SHEET TITLE		
KITCHEN MILLWORK DETAIL SECTIONS		
SHEET NUMBER		ISSUE
D1302		A

SCALE CHECK  
1/10



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PROJECT MGR:  
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APPROVED BY:  
E. FENUTA

SHEET TITLE

KITCHEN HOOD VENT  
DETAIL

SHEET NUMBER

D1303

ISSUE

A

SCALE CHECK

1 in

10mm



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PROJECT MGR:  
F. BOLOURIAN

APPROVED BY:  
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SHEET TITLE

RECEPTION DESK WITH  
TEMPERED GLASS  
MILLWORK

SHEET NUMBER

D1305

ISSUE

A

2025-04-11 10:38:53 AM

SCALE CHECK  
1 in

10mm



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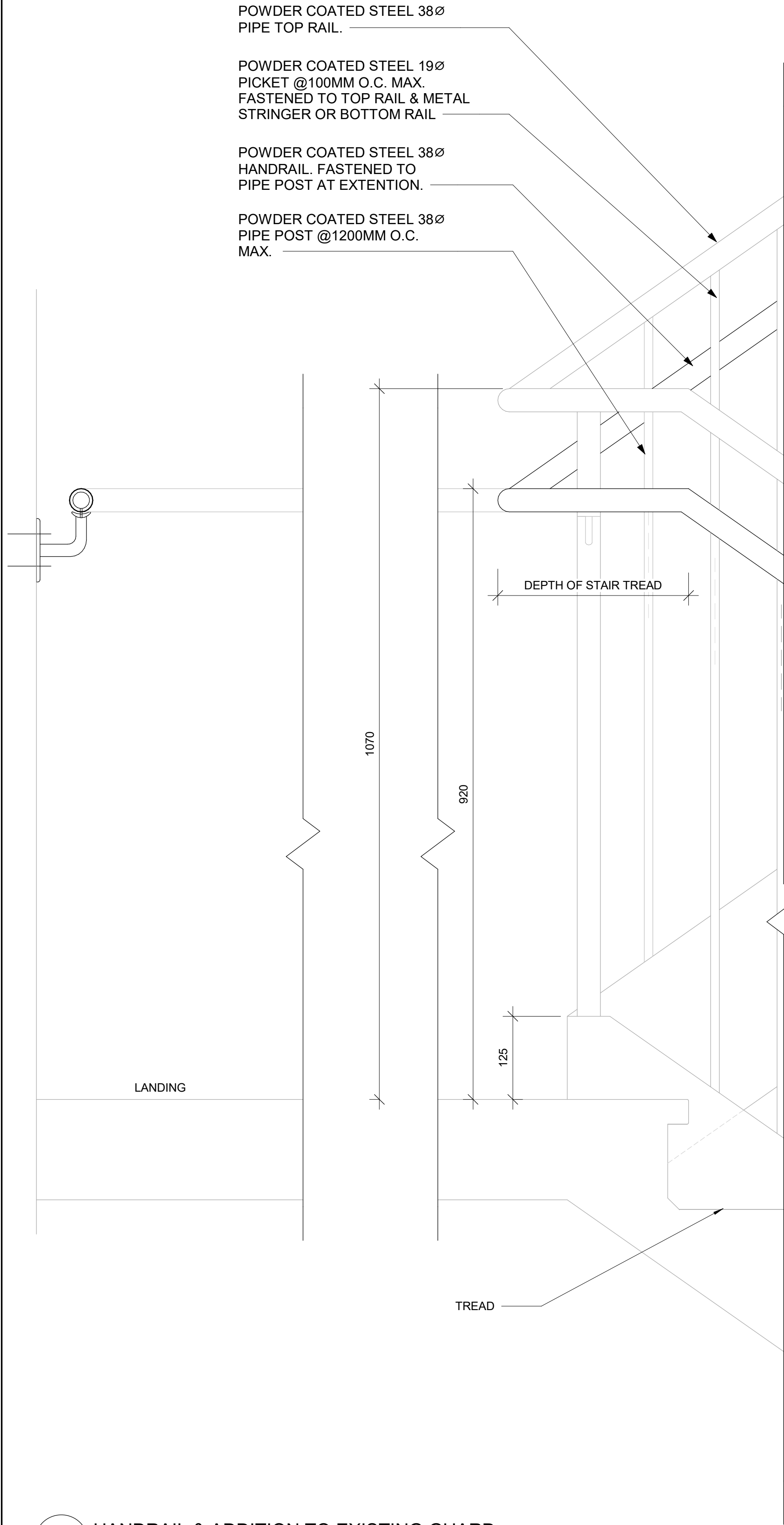
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CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

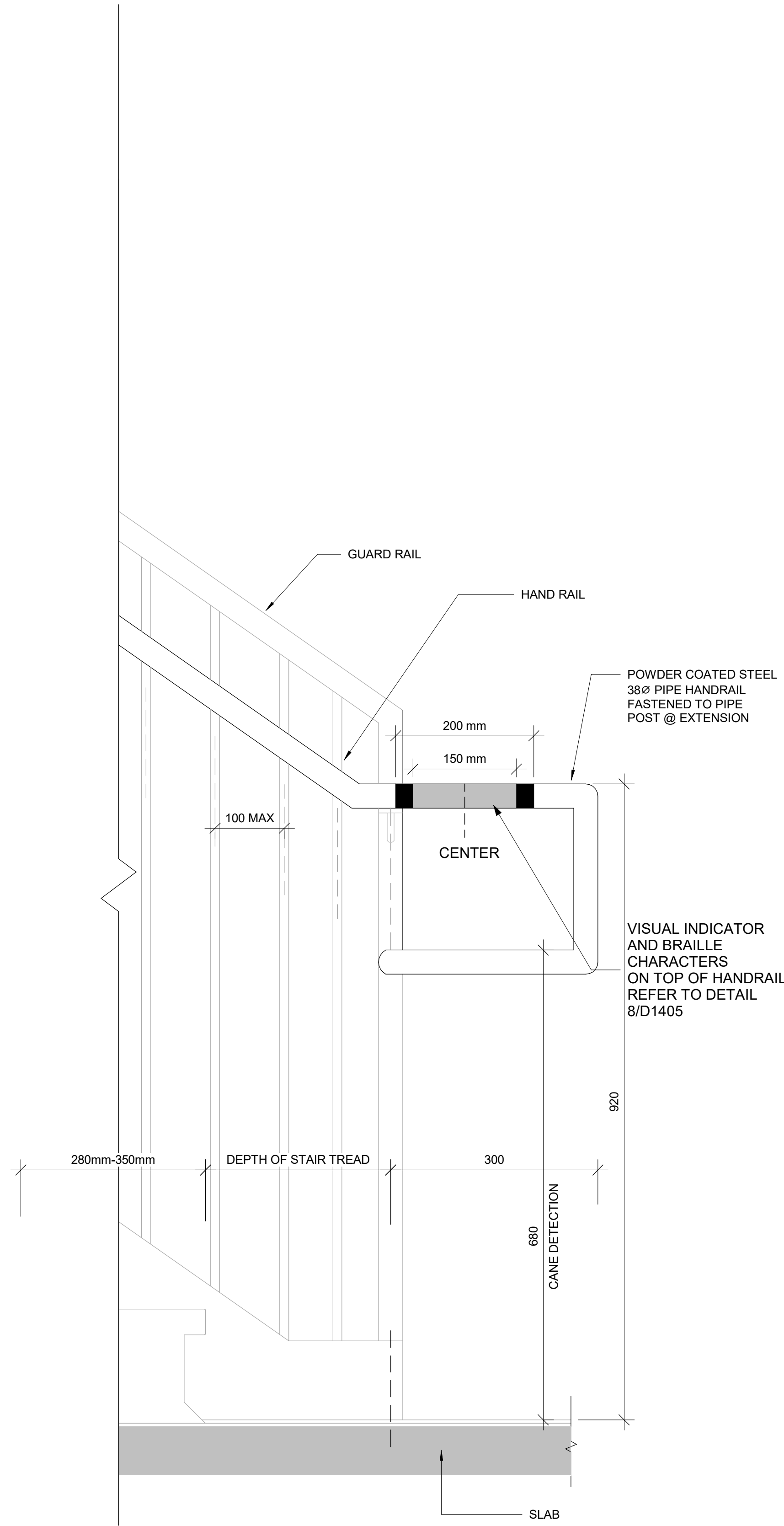
SHEET TITLE

RECEPTION DESK WITH  
TEMPERED GLASS  
DETAIL SECTIONS

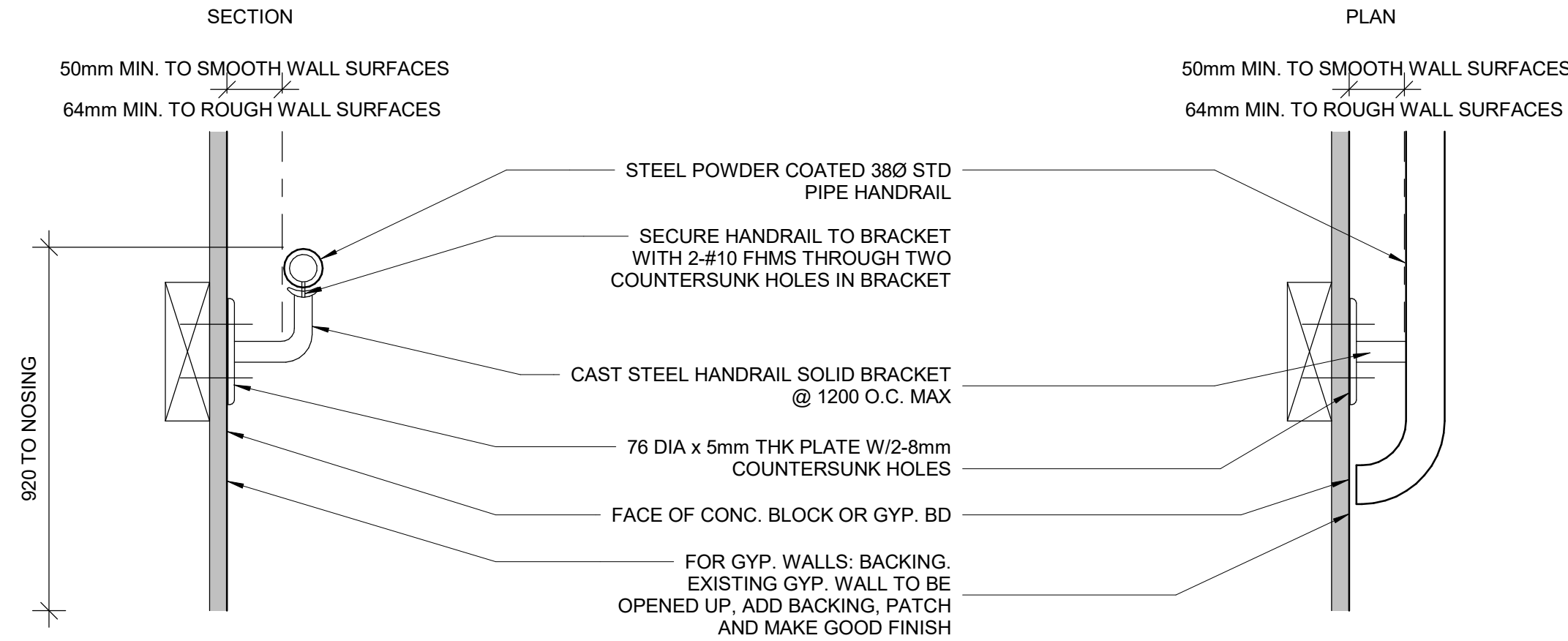
SHEET NUMBER D1306	ISSUE A
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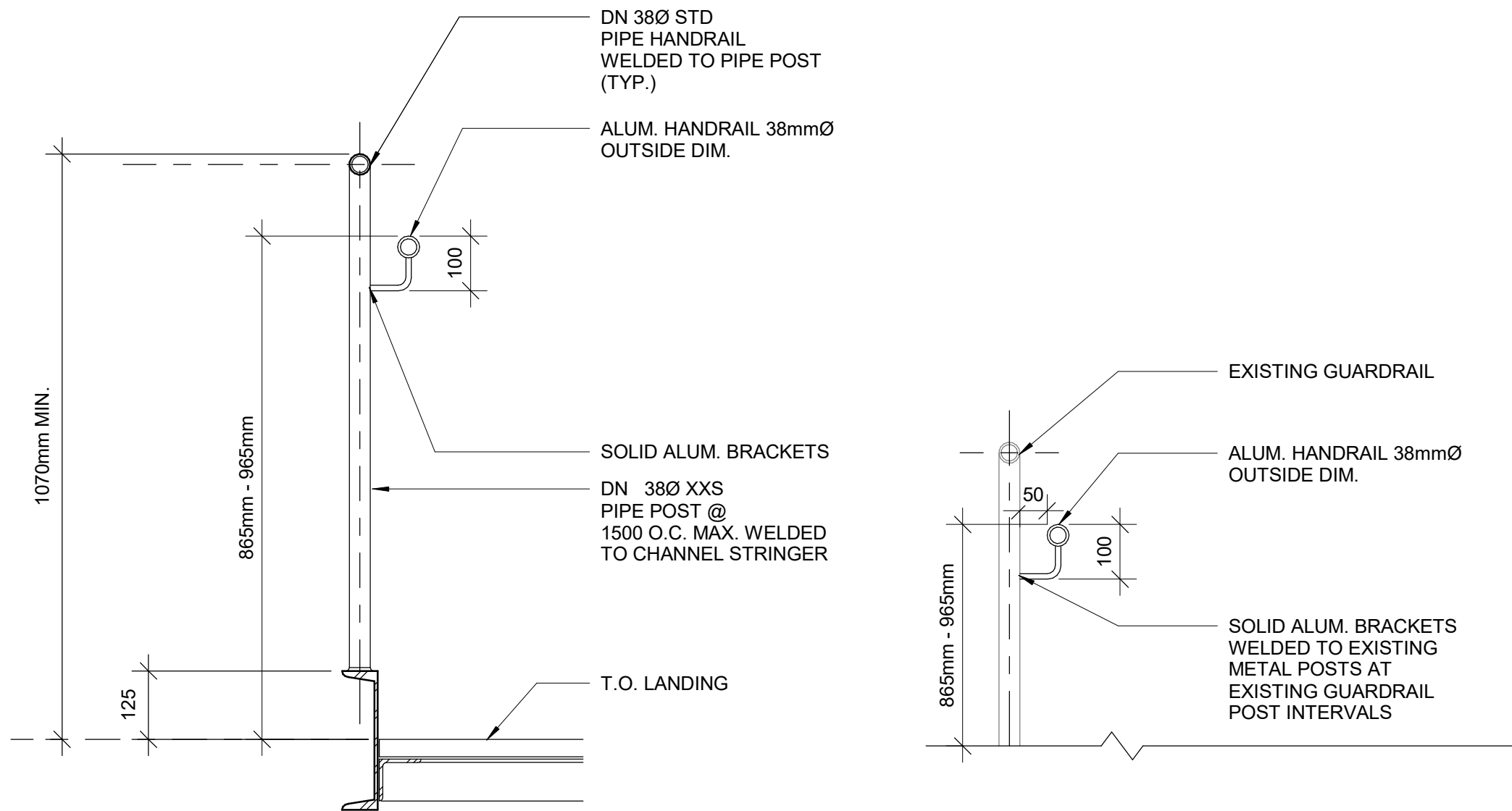
3 HANDRAIL & ADDITION TO EXISTING GUARD  
D1401 Scale: 1 : 5



- 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

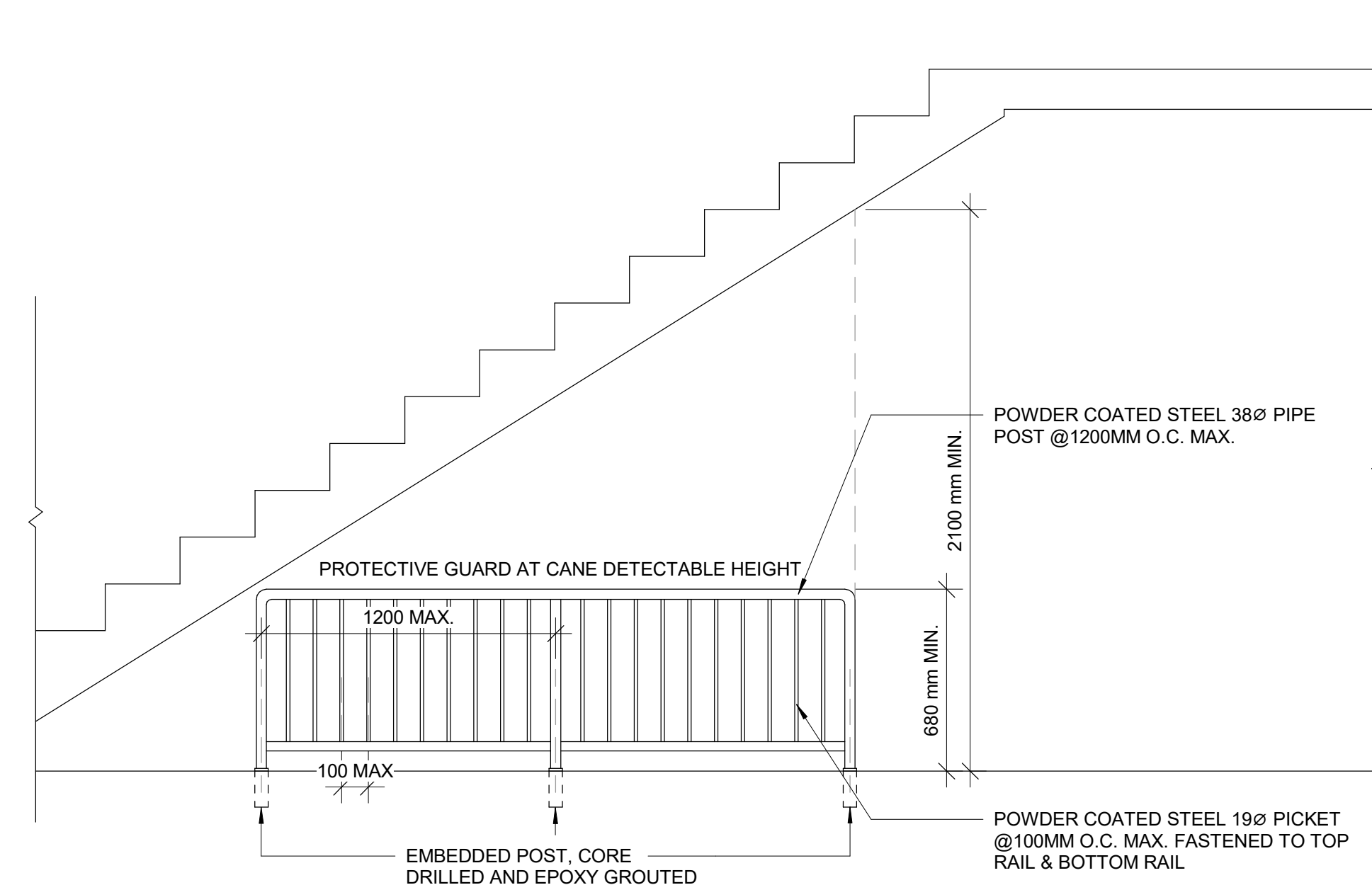


1 STAIR HANDRAIL DETAIL WITH WALL REINFORCEMENT  
D1401 Scale: 1 : 5



2 TYPICAL GUARDRAIL DETAIL AT LANDING  
D1401 Scale: 1 : 10

5 EXISTING GUARDRAIL RETROFIT DETAIL  
D1401 Scale: 1 : 10



4 PROTECTION GUARD UNDER STAIRS  
D1401 Scale: 1 : 20

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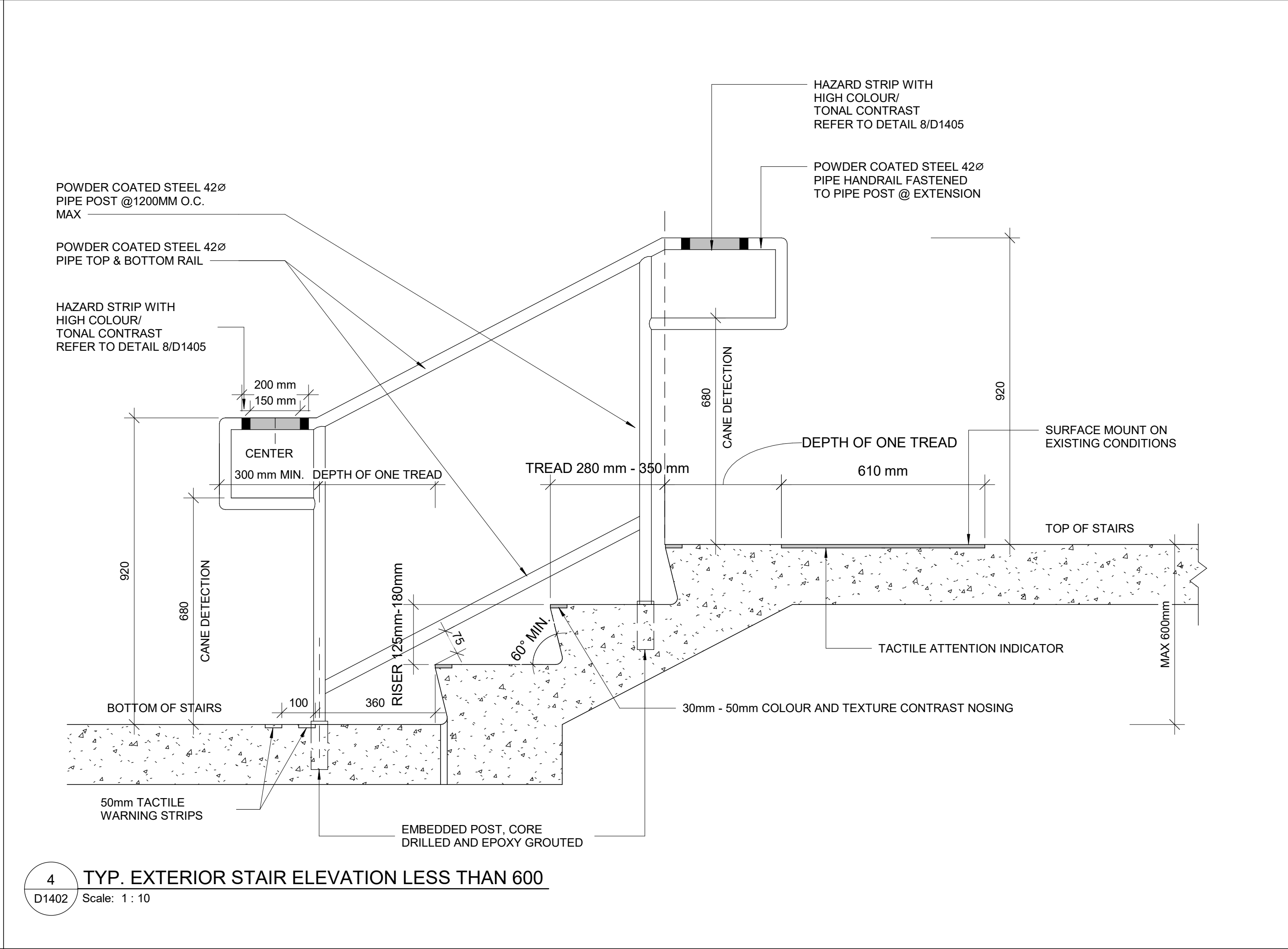
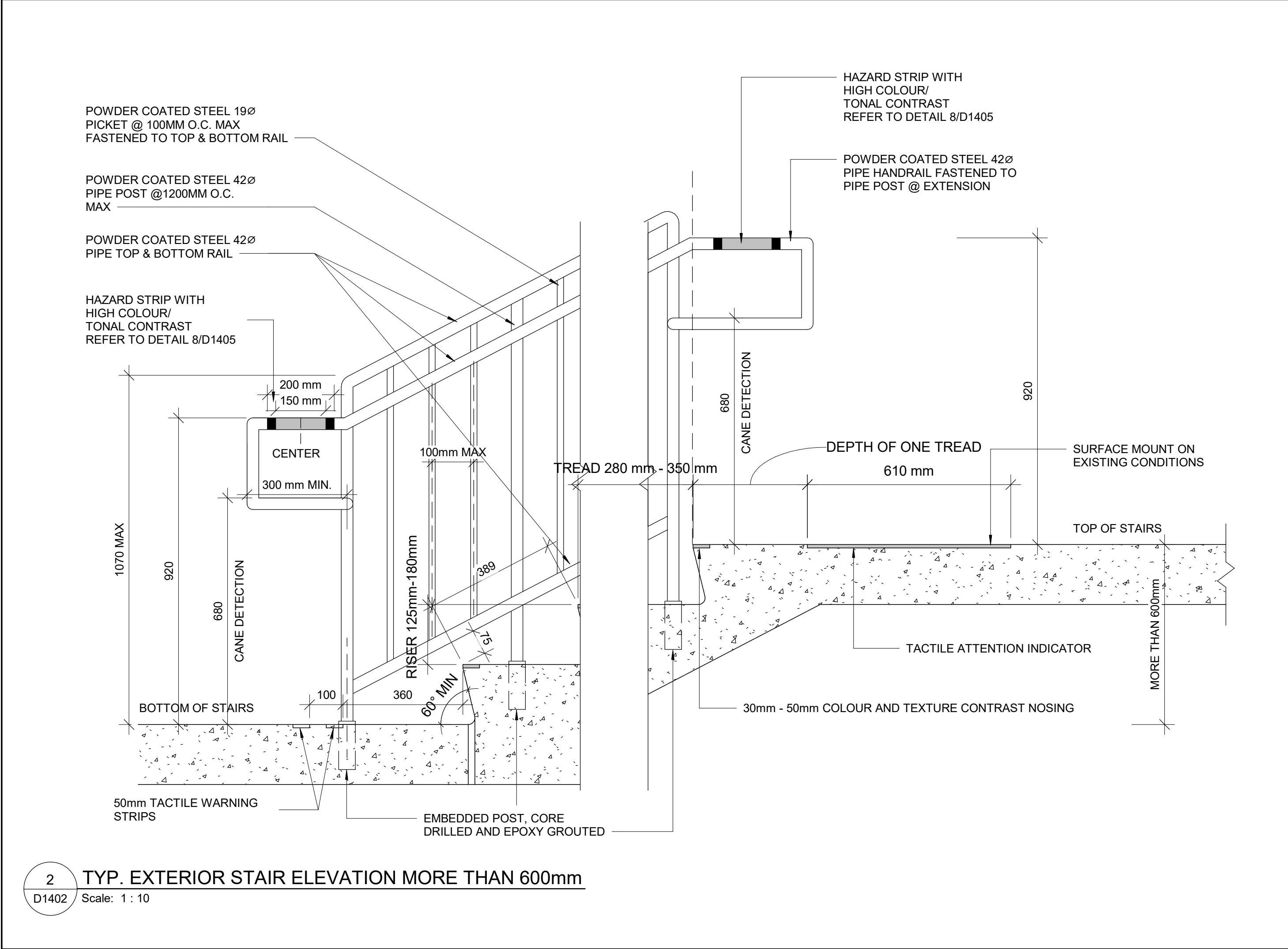
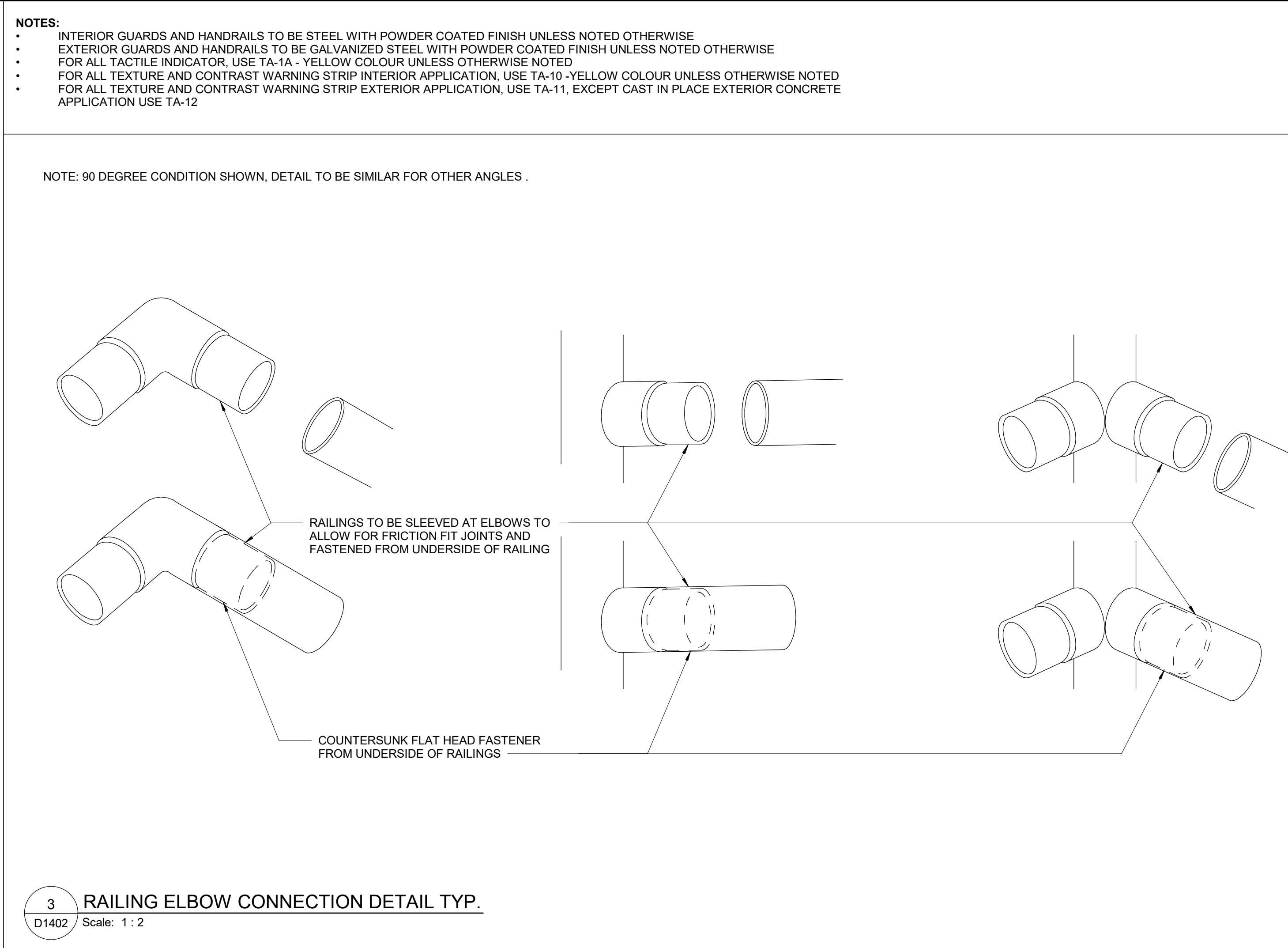
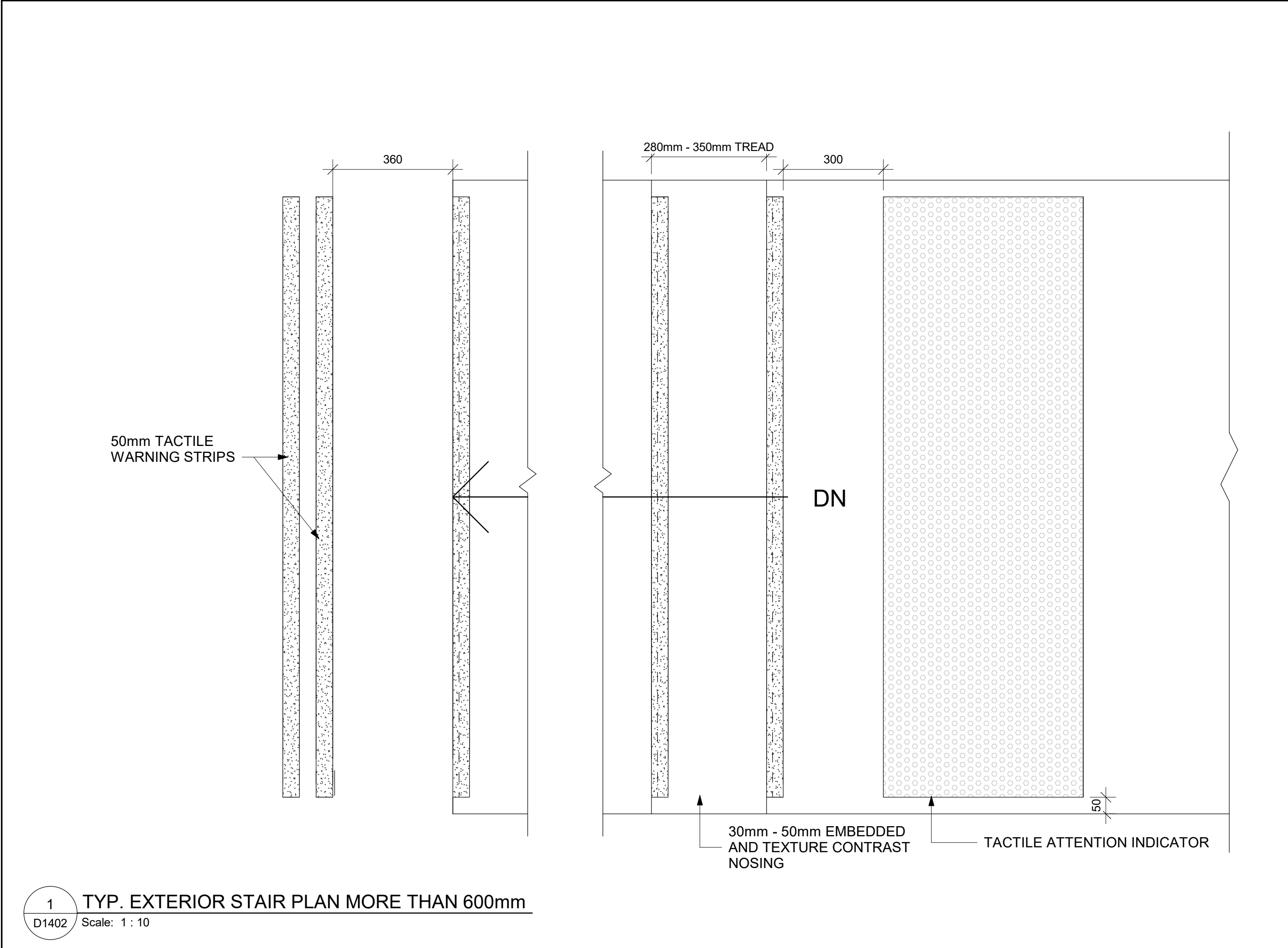
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PROJECT MGR:  
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APPROVED BY:  
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SHEET TITLE  
**STAIR DETAILS - 01**

SHEET NUMBER  
**D1401**  
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CHECKED BY:  
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PROJECT MGR:  
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APPROVED BY:  
**E. FENUTA**

SHEET TITLE  
**STAIR DETAILS - 02**

SHEET NUMBER	ISSUE
<b>D1402</b>	<b>A</b>

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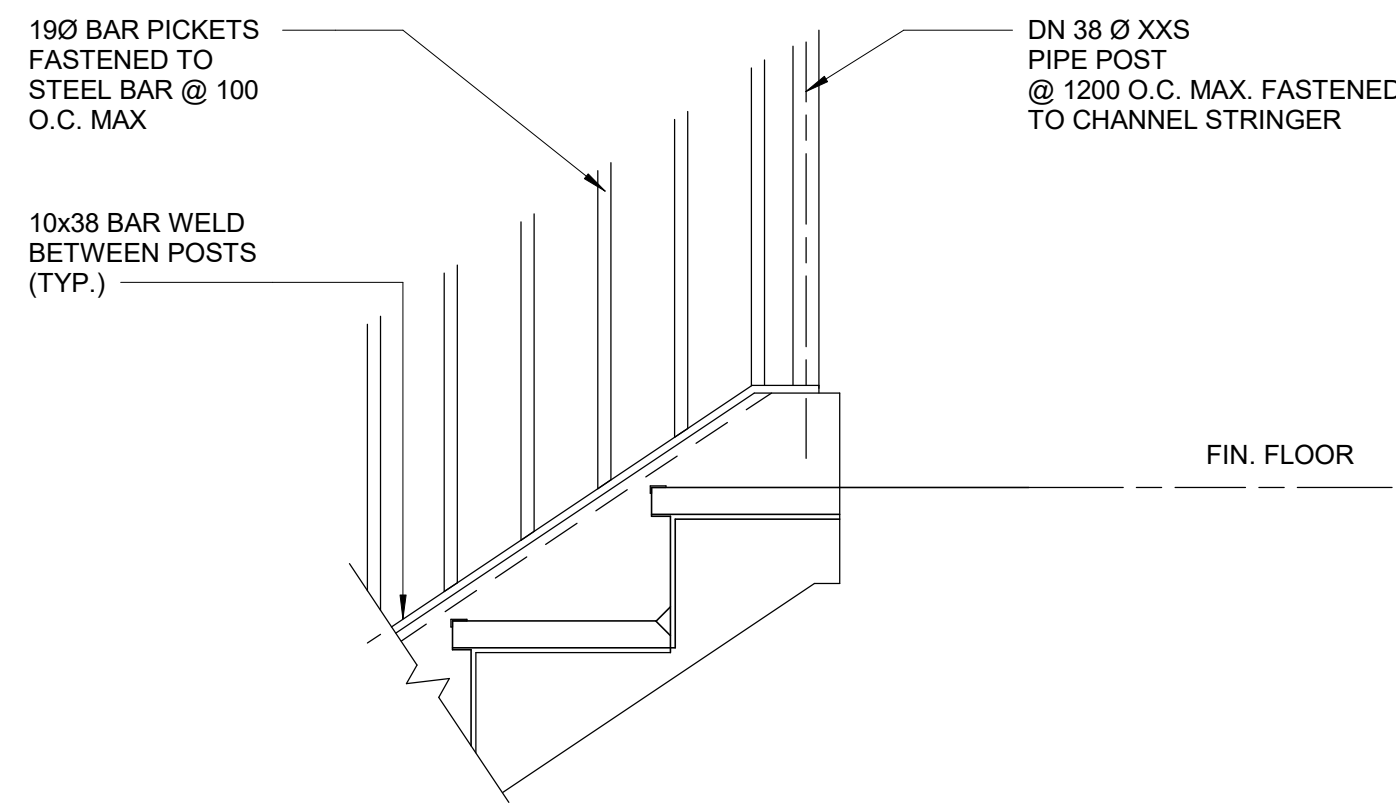
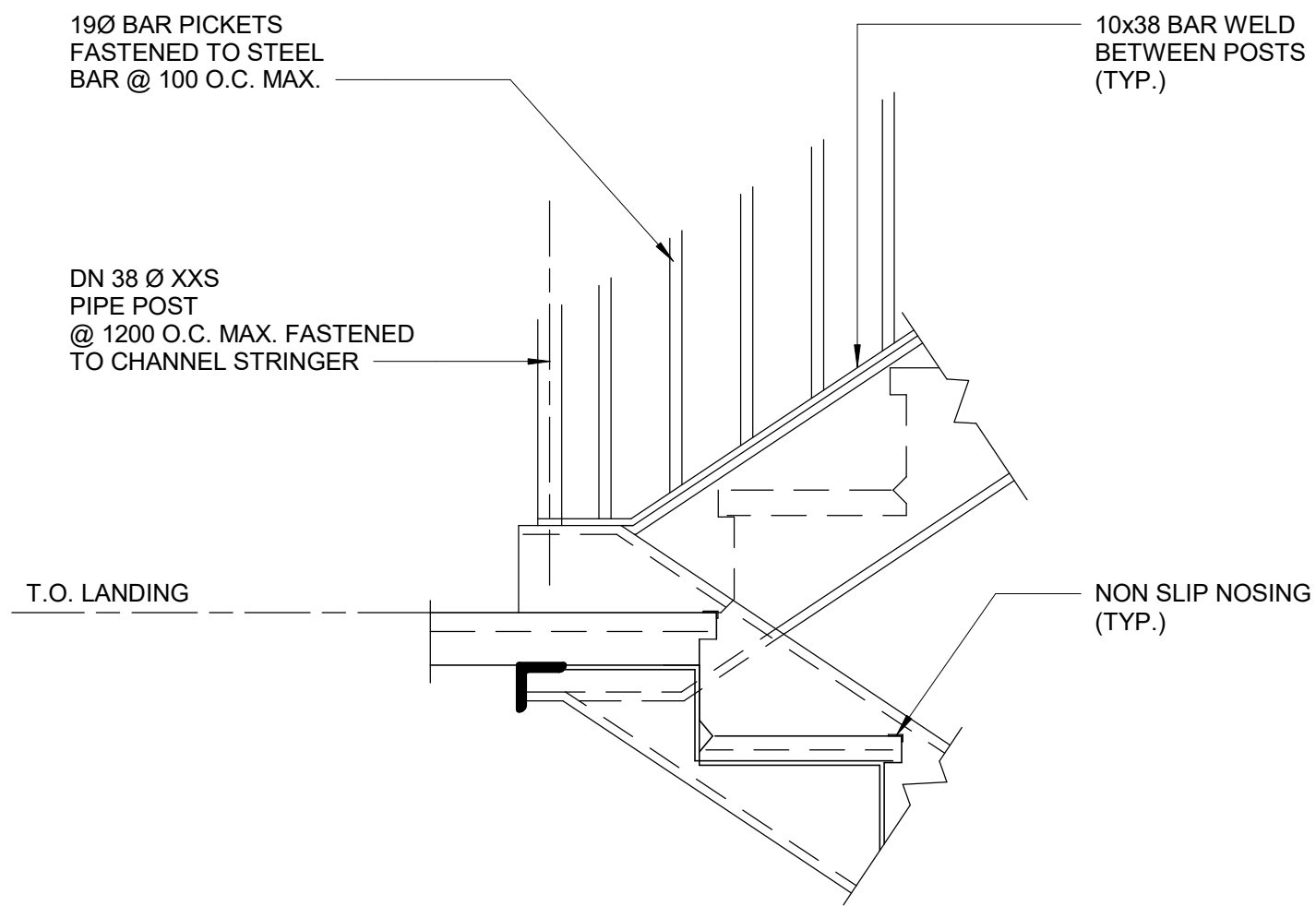
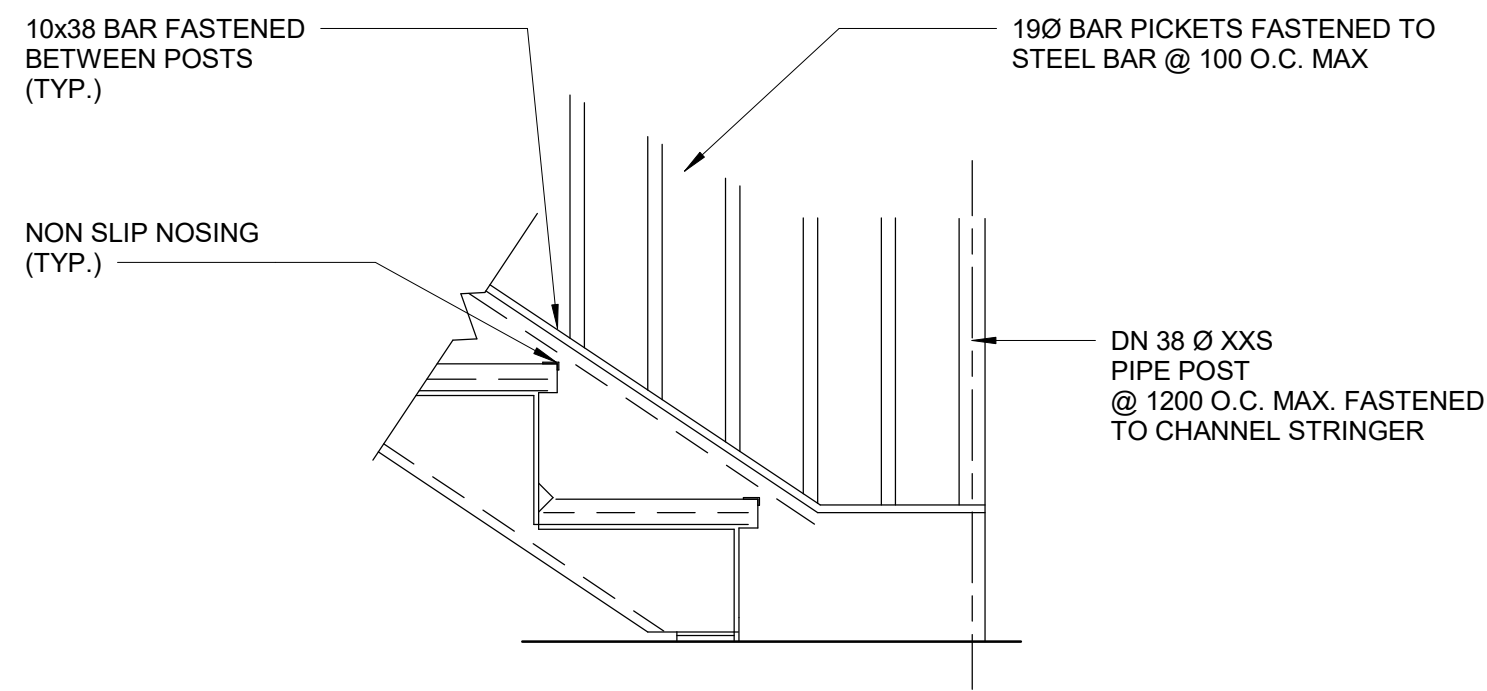
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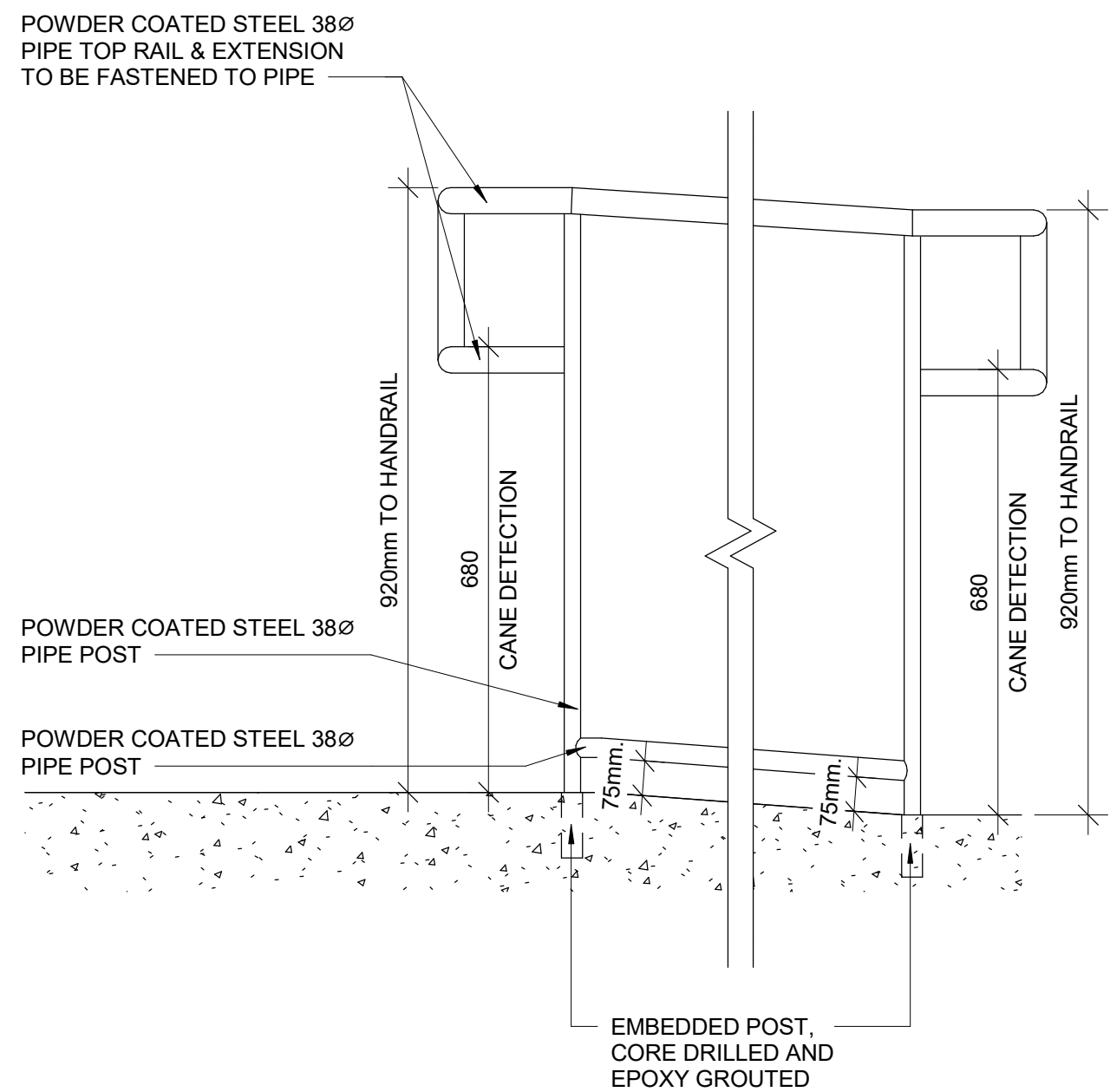
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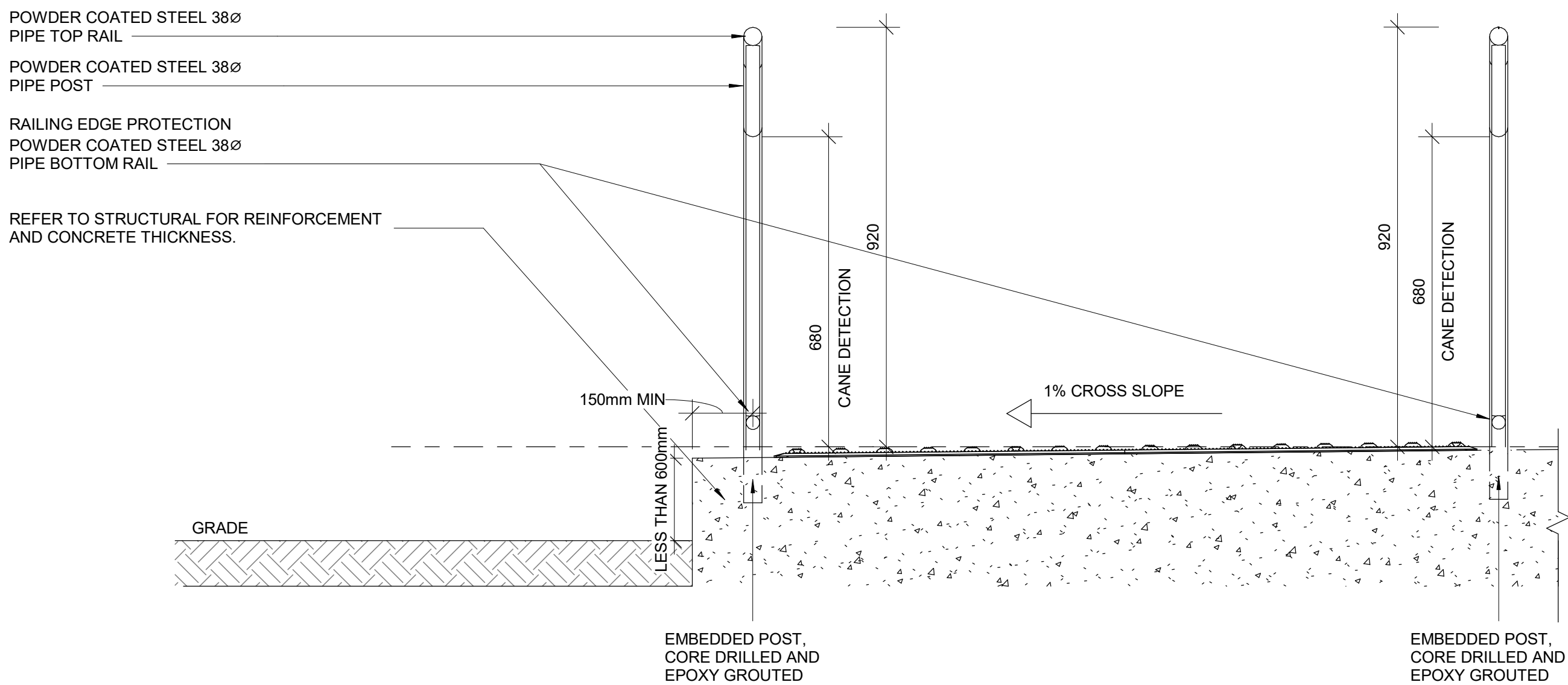
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1 TYP. GUARDRAIL CONNECTION DETAIL AT STEEL STRINGER  
D1403 Scale: 1 : 10



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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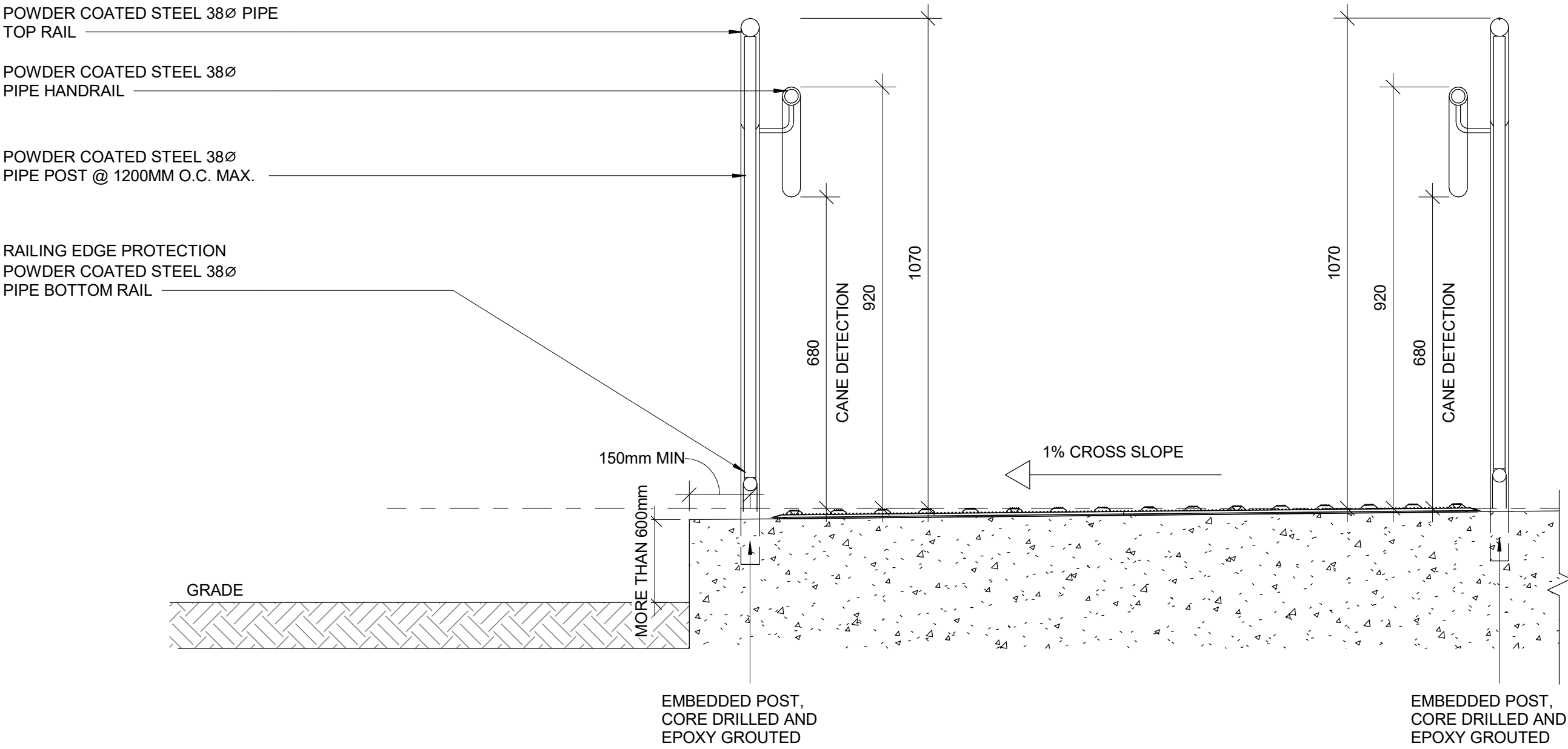
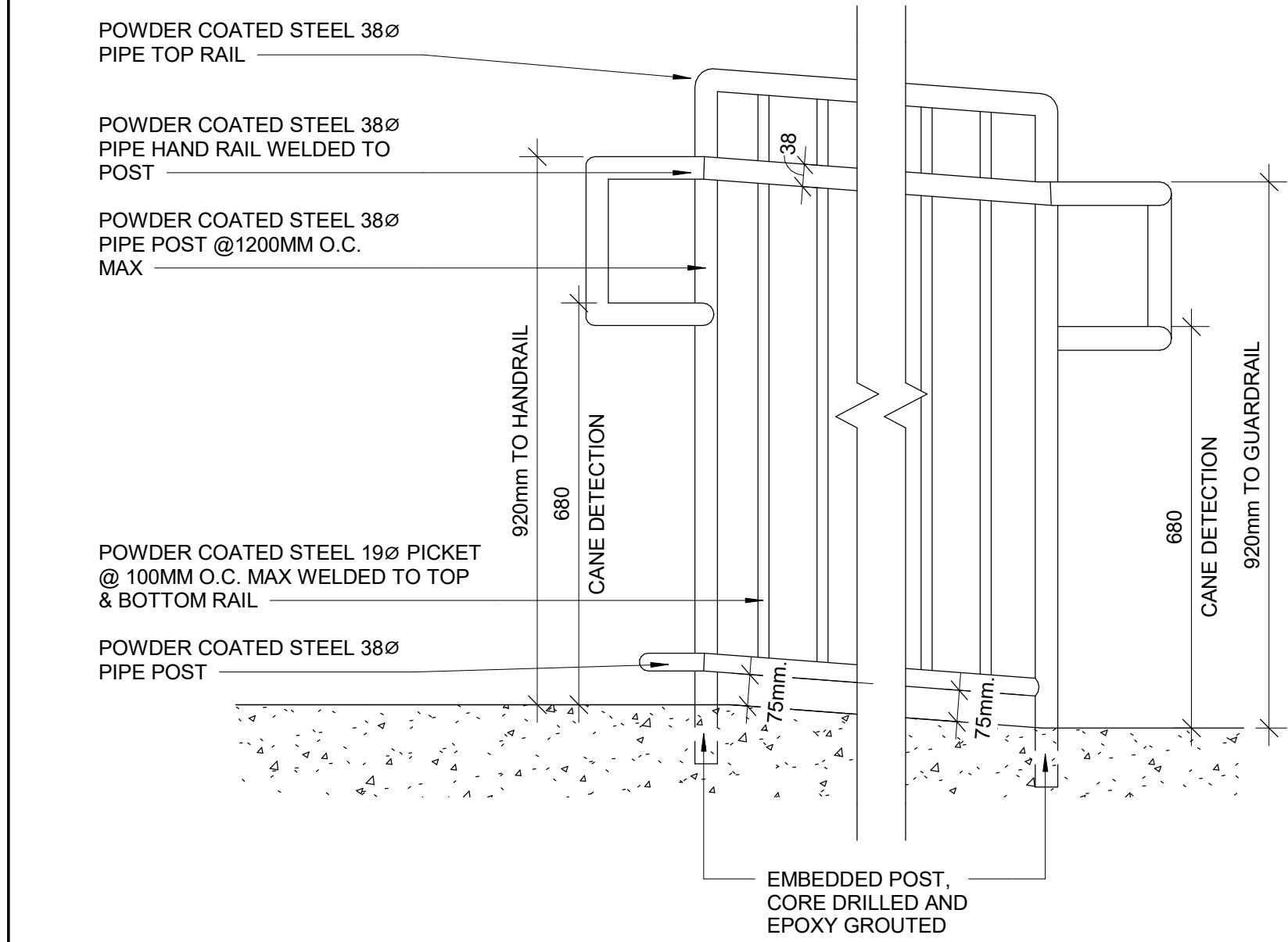
SHEET TITLE  
**RAMP DETAILS - 01**

SHEET NUMBER  
**D1403**

ISSUE  
**A**



- NOTES:
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  - 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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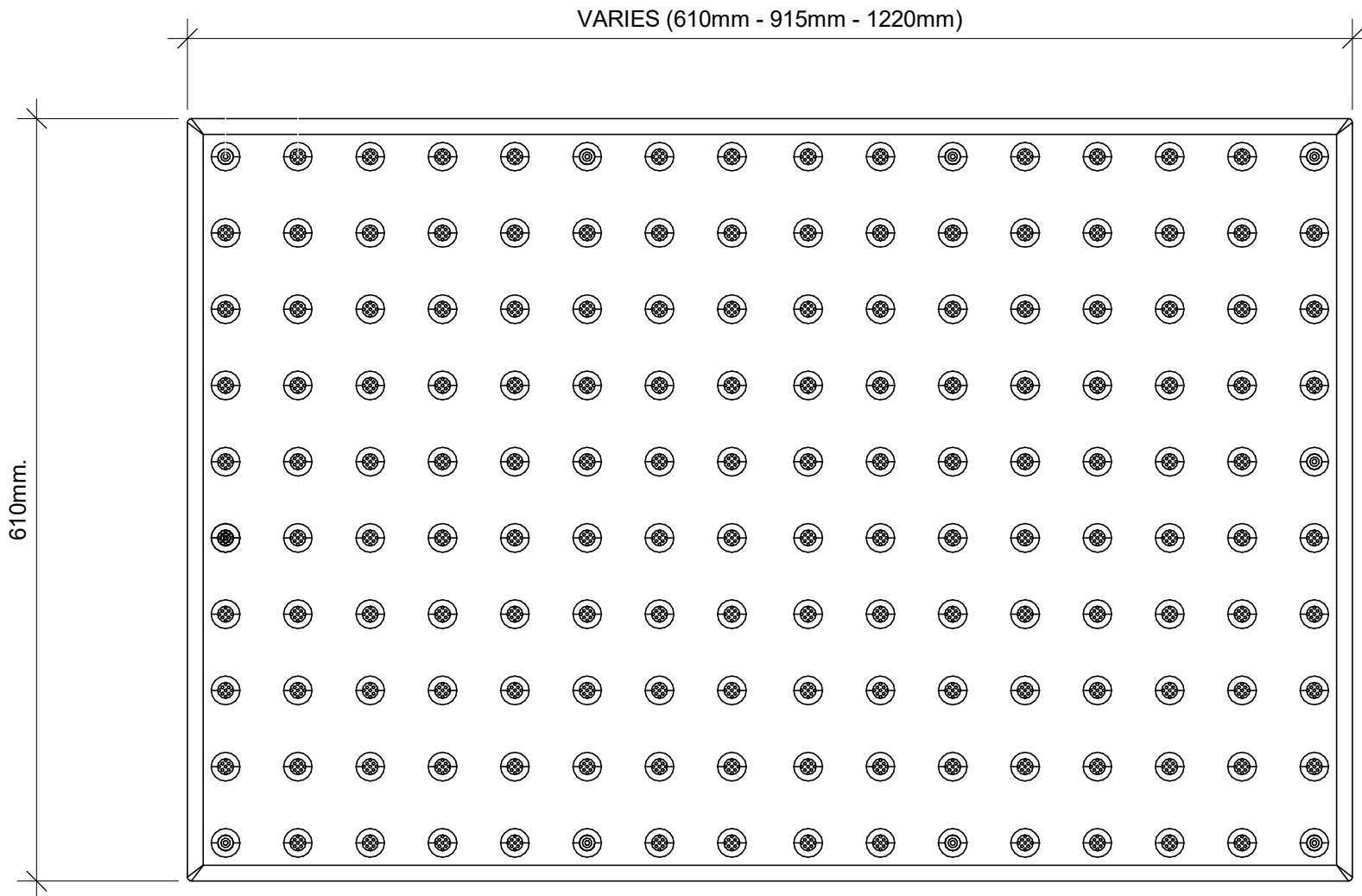
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PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>E. FENUTA</b>

SHEET TITLE  
**RAMP DETAILS - 02**

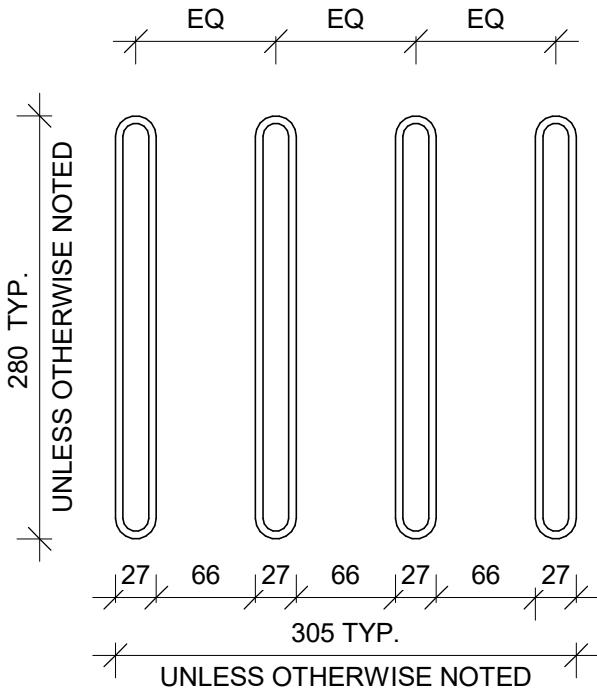
SHEET NUMBER <b>D1404</b>	ISSUE <b>A</b>
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TA - 1a  
EXTERIOR AND INTERIOR APPLICATION



1 TACTILE ATTENTION INDICATOR  
D1405 / Scale: 1 : 5

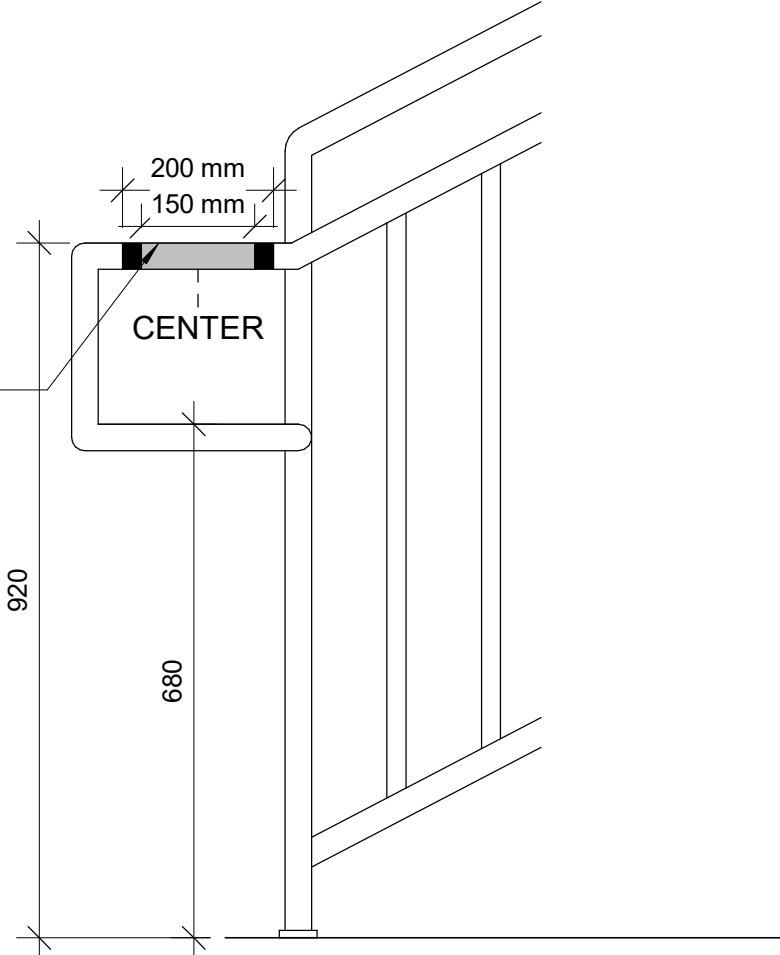
TA-8  
INTERIOR APPLICATION



2 GUIDANCE BARS PLAN  
D1405 / Scale: 1 : 5

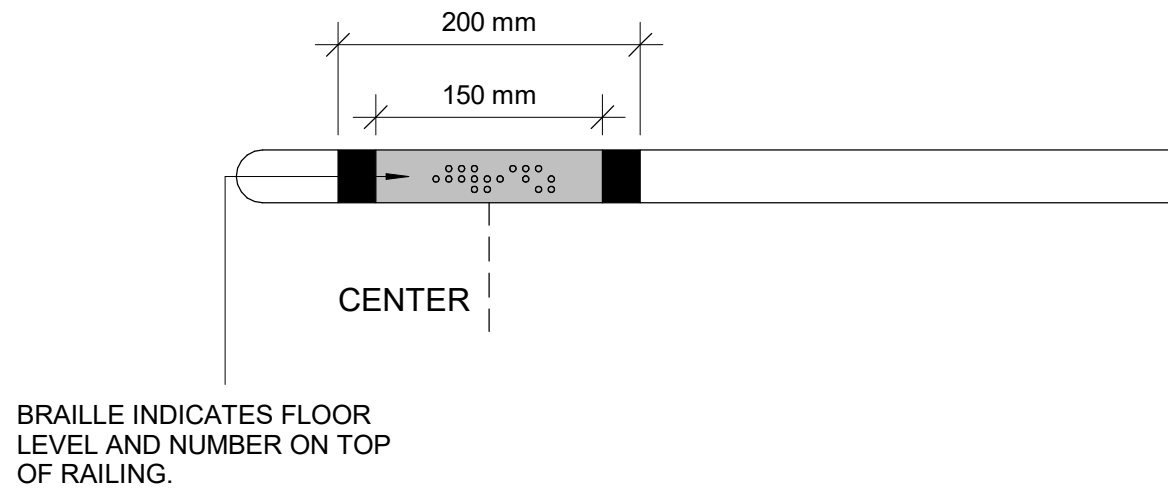
150mm LONG YELLOW COLOUR  
WAYFINDING SIGN WITH BRAILLE AND  
25mm WIDE RED COLOUR ON EITHER  
SIDE OF THE SIGN

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



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

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PROJECT MGR:  
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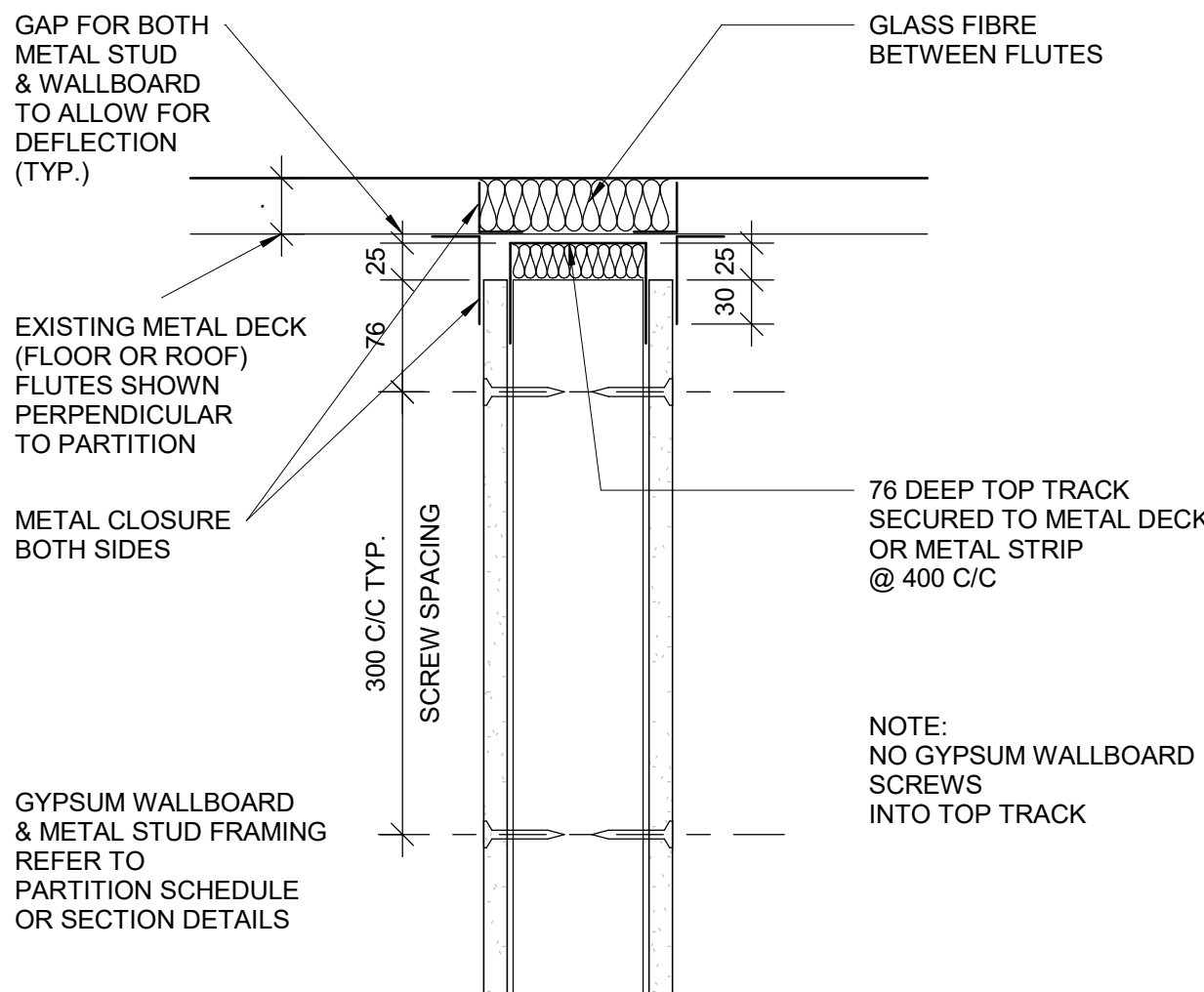
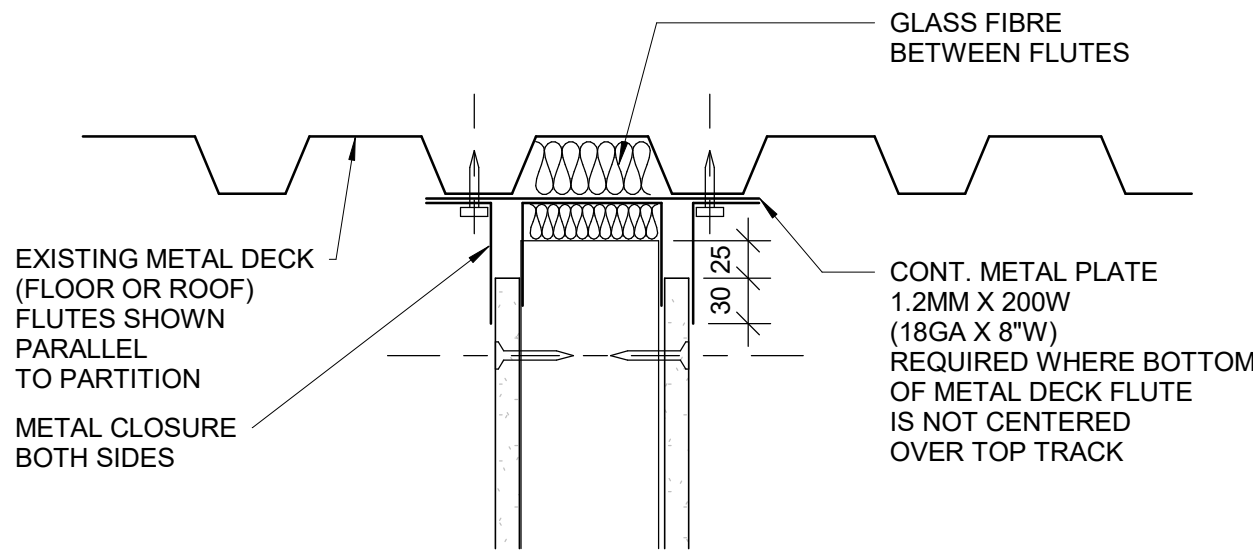
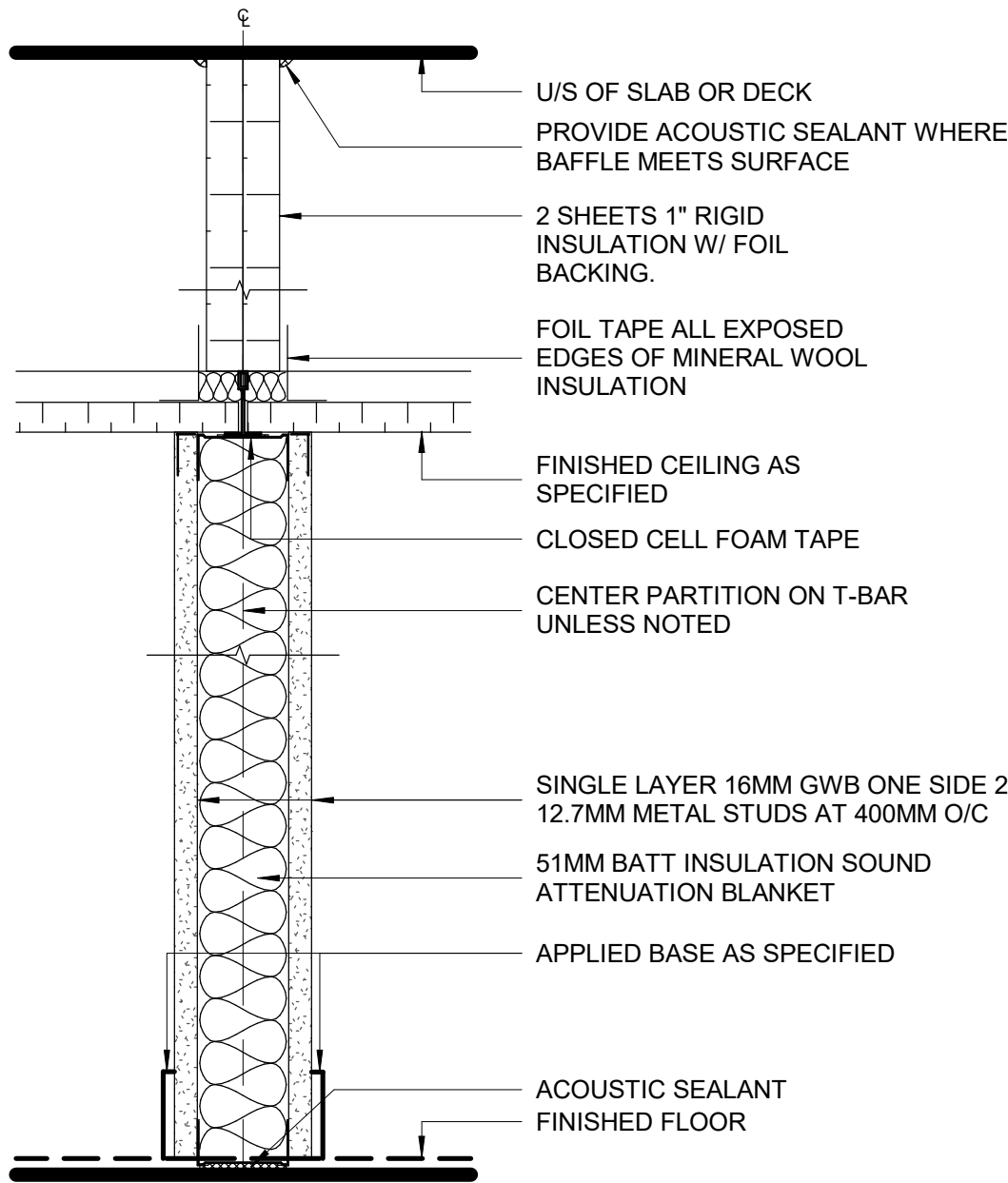
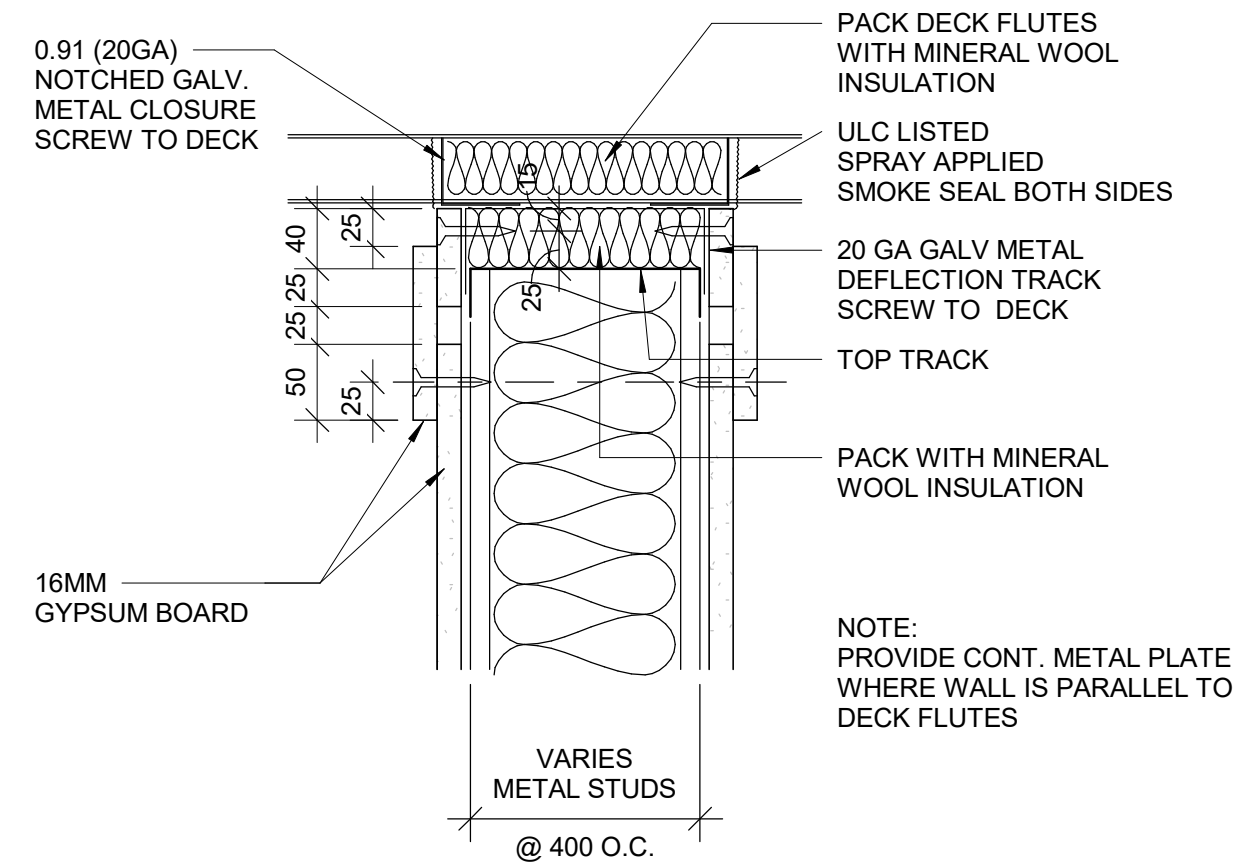
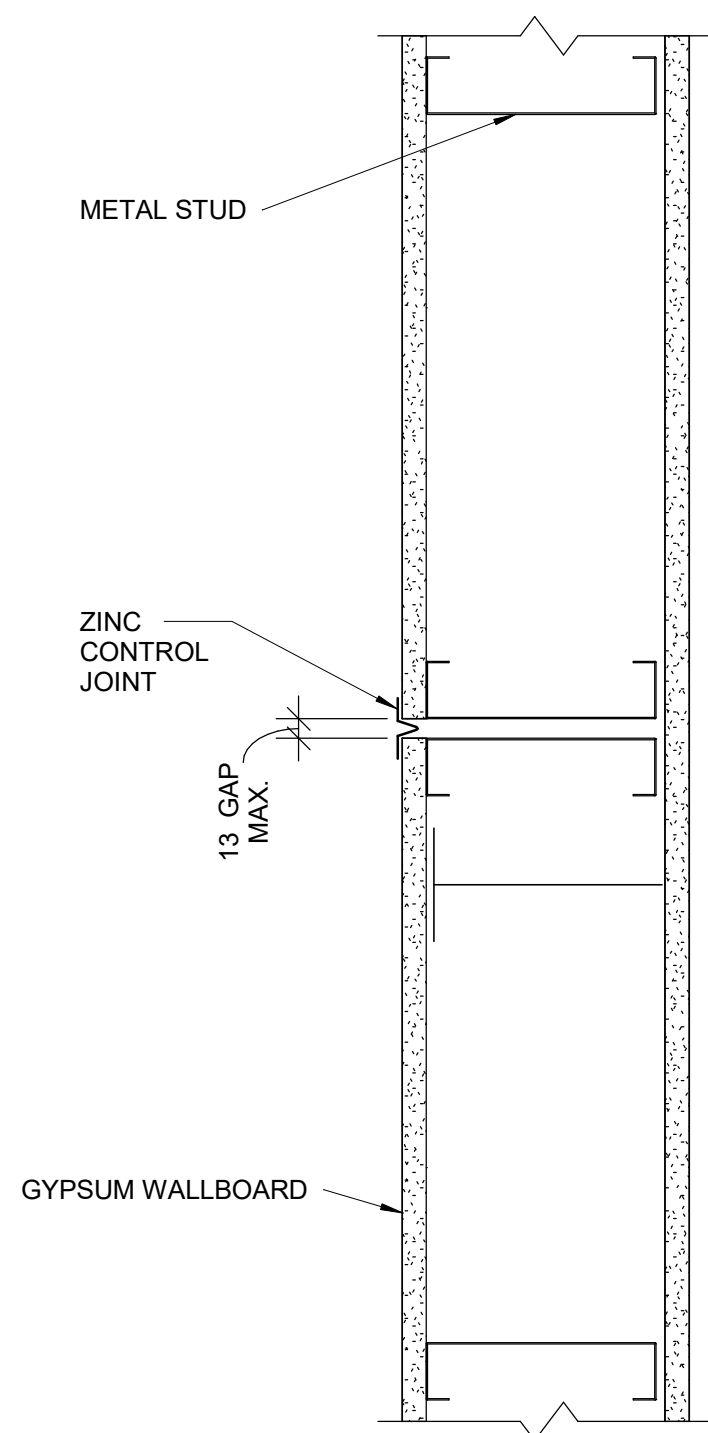
APPROVED BY:  
**E. FENUTA**

SHEET TITLE  
**TACTILE DETAILS**

SHEET NUMBER  
**D1405**

ISSUE  
**A**





1 CONTROL JOINT PLAN DETAIL - DRYWALL

D1501 Scale: 1 : 5

3 HEAD DRYWALL FIRE RATED PARTITION

D1501 Scale: 1 : 5

5 DRYWALL - ACOUSTICAL TREATMENT ABOVE CEILING

D1501 Scale: 1 : 5

4 HEAD FULL HEIGHT DRYWALL PARTITION - NON RATED

D1501 Scale: 1 : 5

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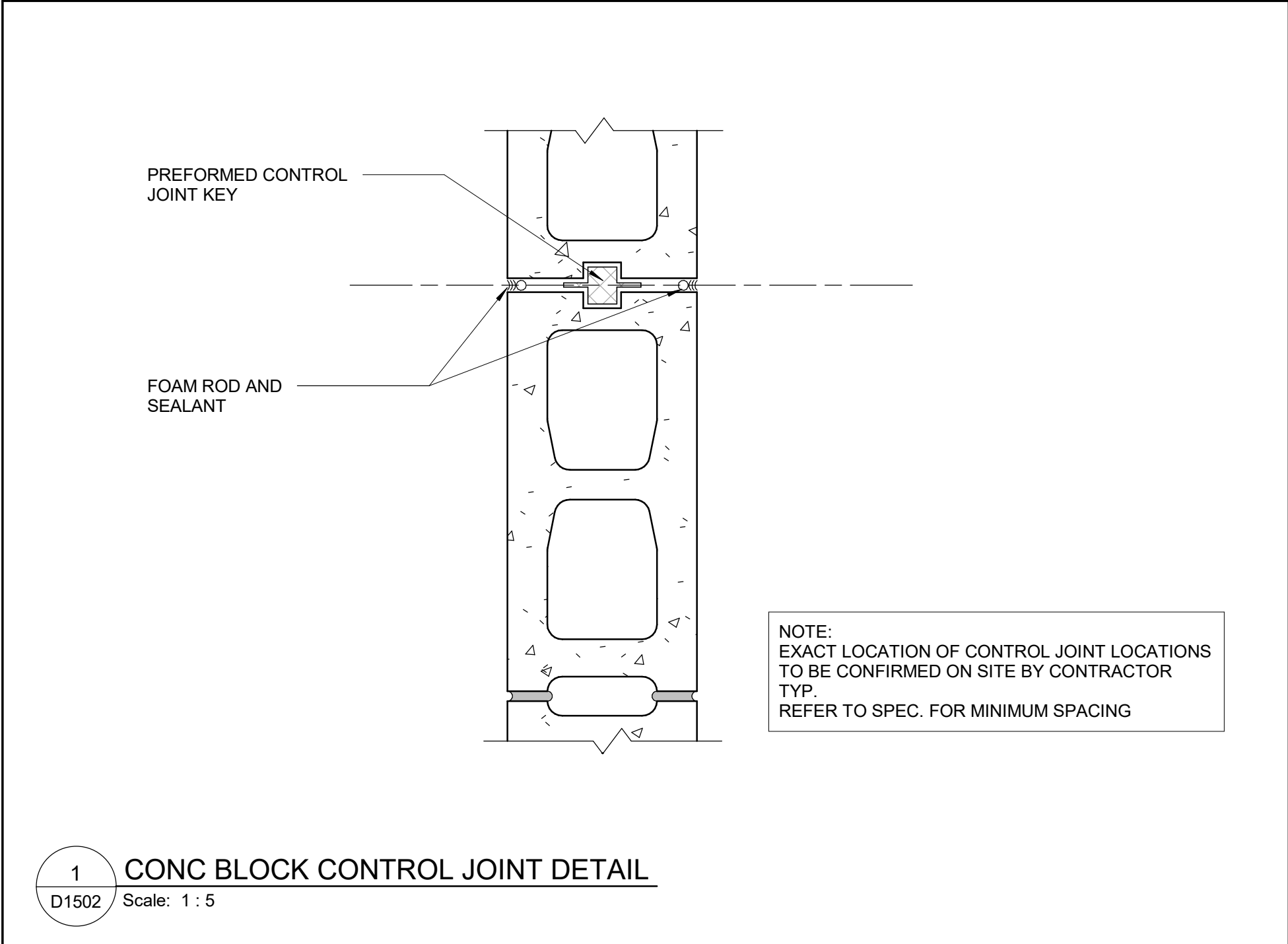
PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056  
DRAWN BY:  
A. BOYNARIAN  
CHECKED BY:  
K. TILAHUN  
PROJECT MGR:  
F. BOLOURIAN  
APPROVED BY:  
E. FENUTA

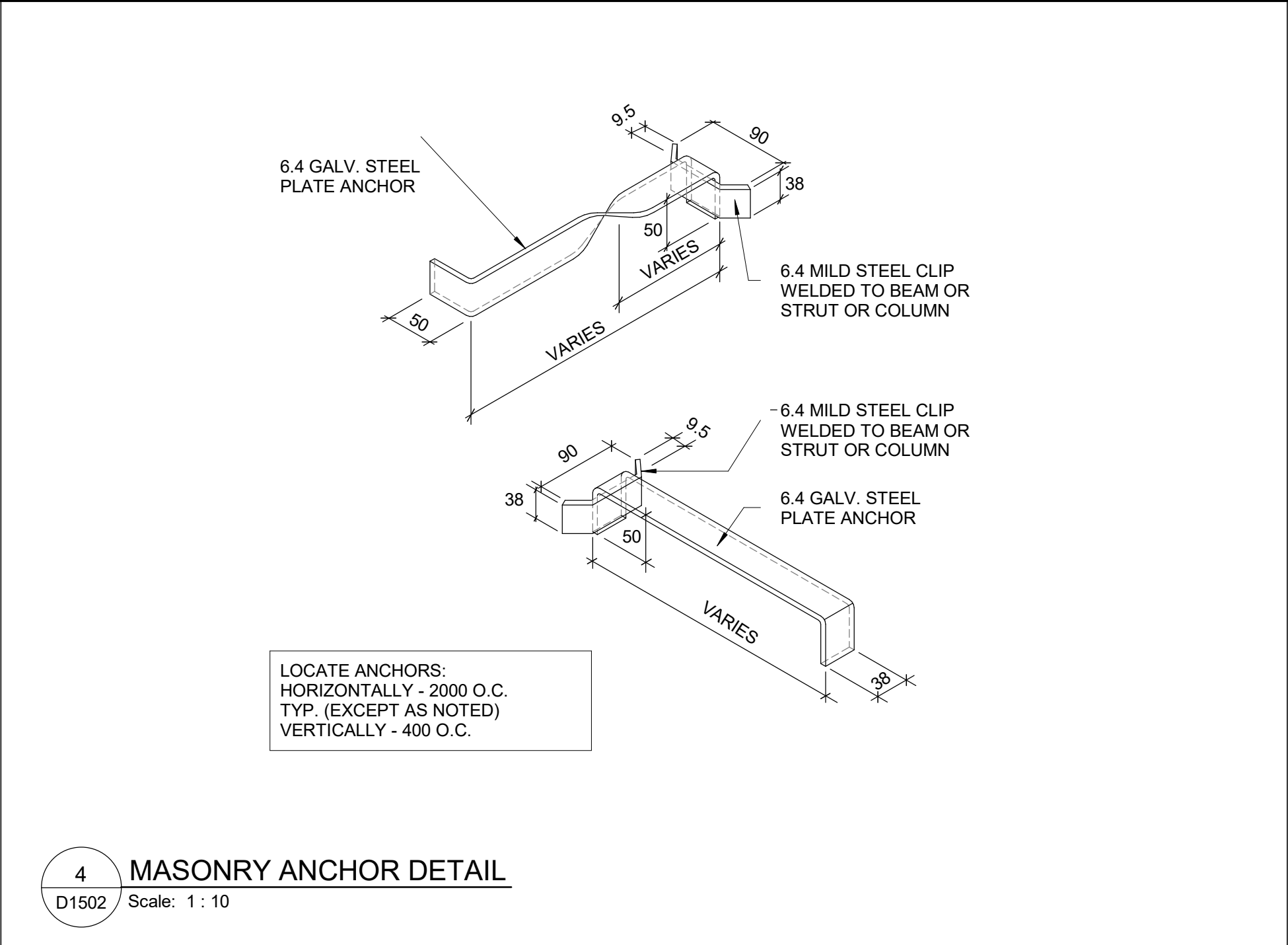
SHEET TITLE  
MISCELLANEOUS  
DETAILS - 01

SHEET NUMBER  
D1501  
ISSUE  
A

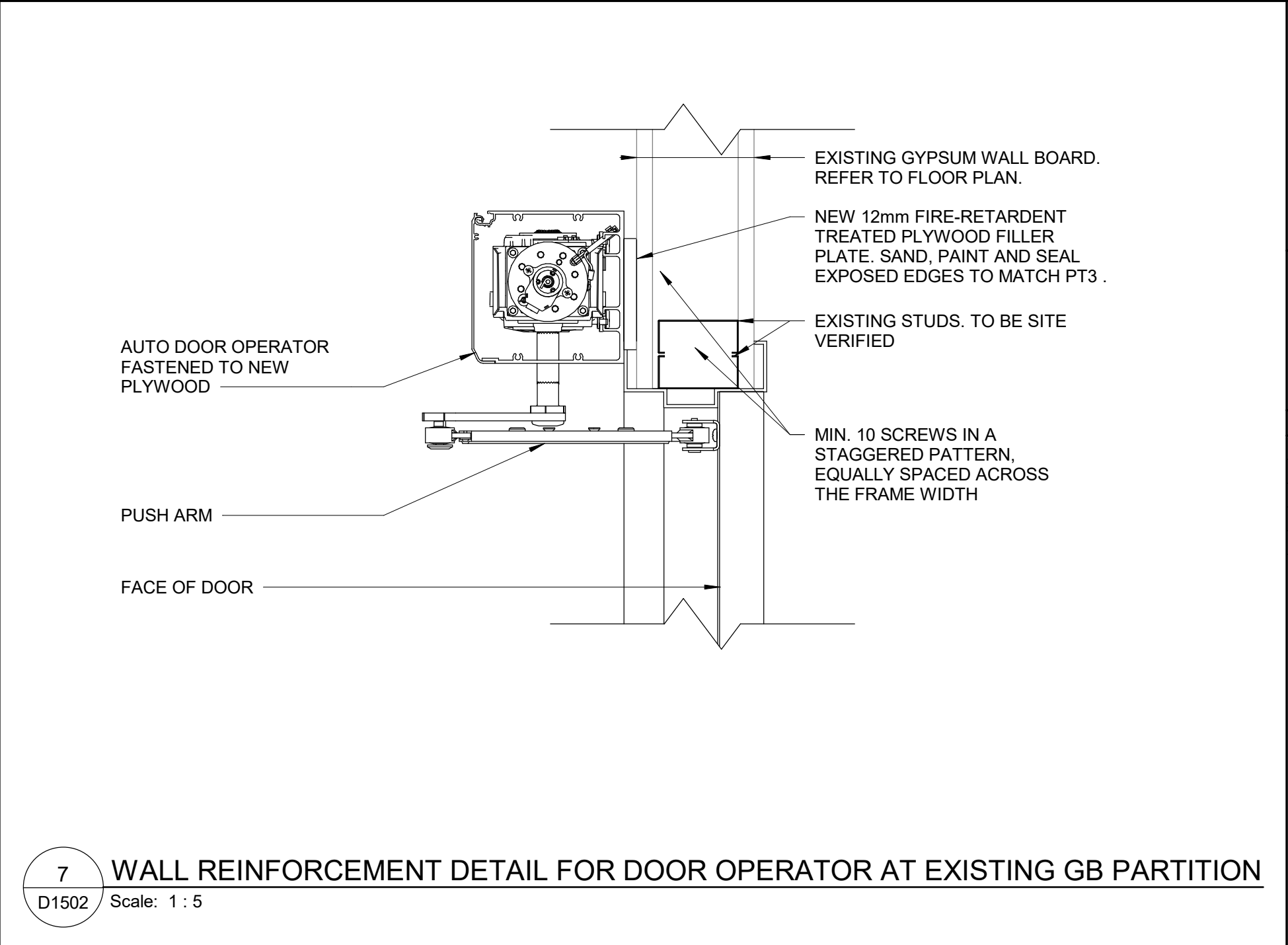
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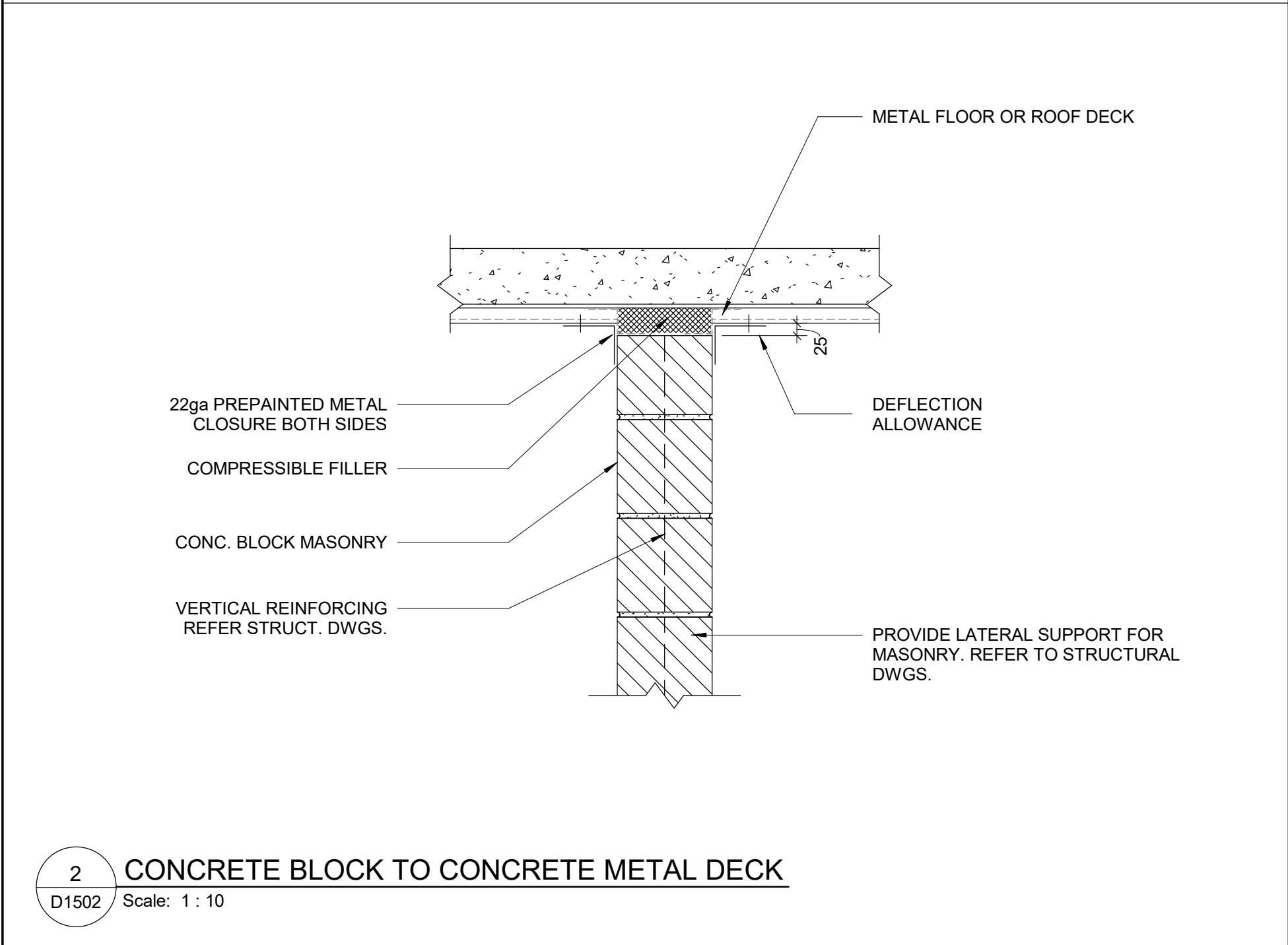
1 CONC BLOCK CONTROL JOINT DETAIL  
D1502 Scale: 1 : 5



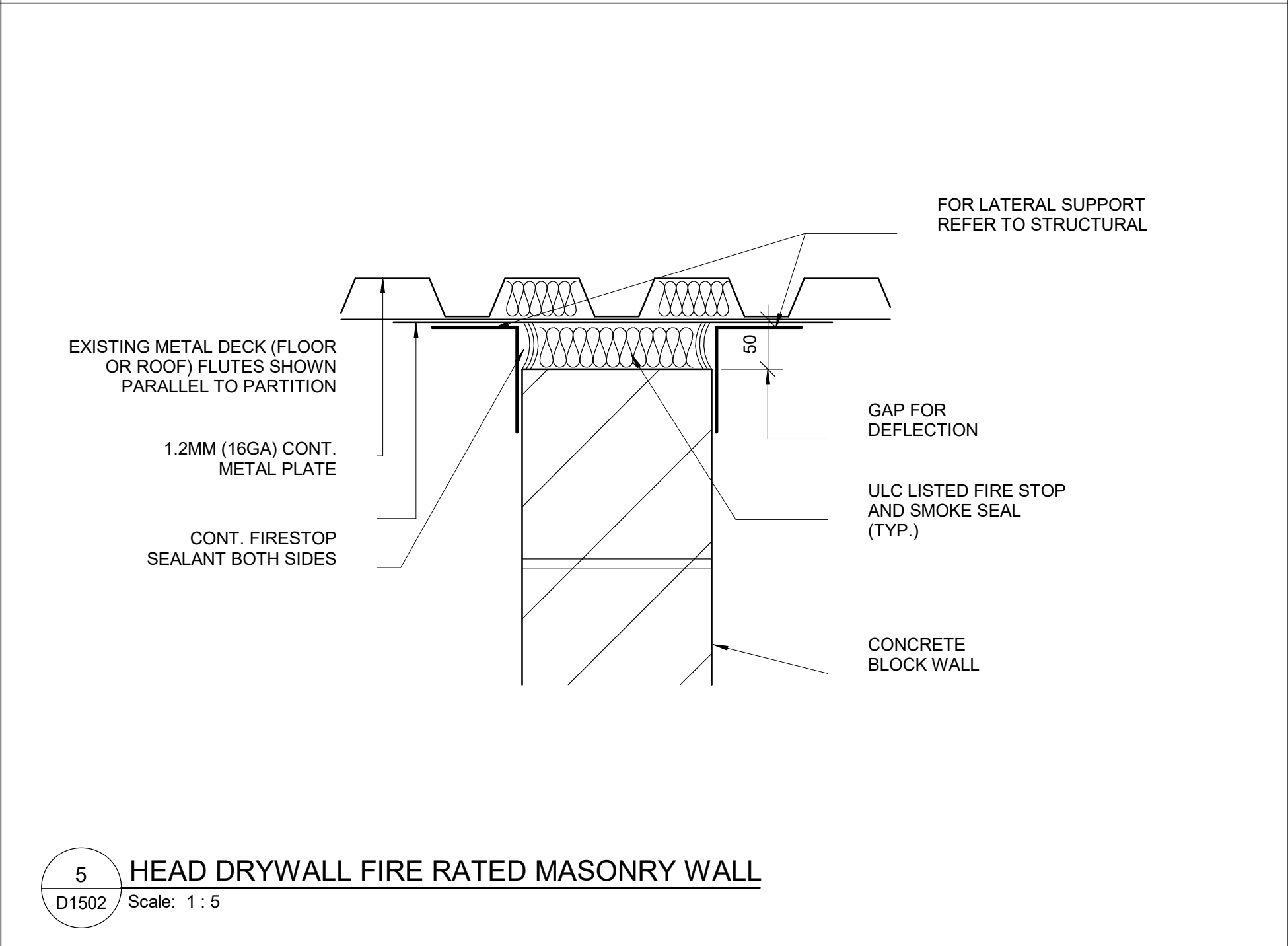
4 MASONRY ANCHOR DETAIL  
D1502 Scale: 1 : 10



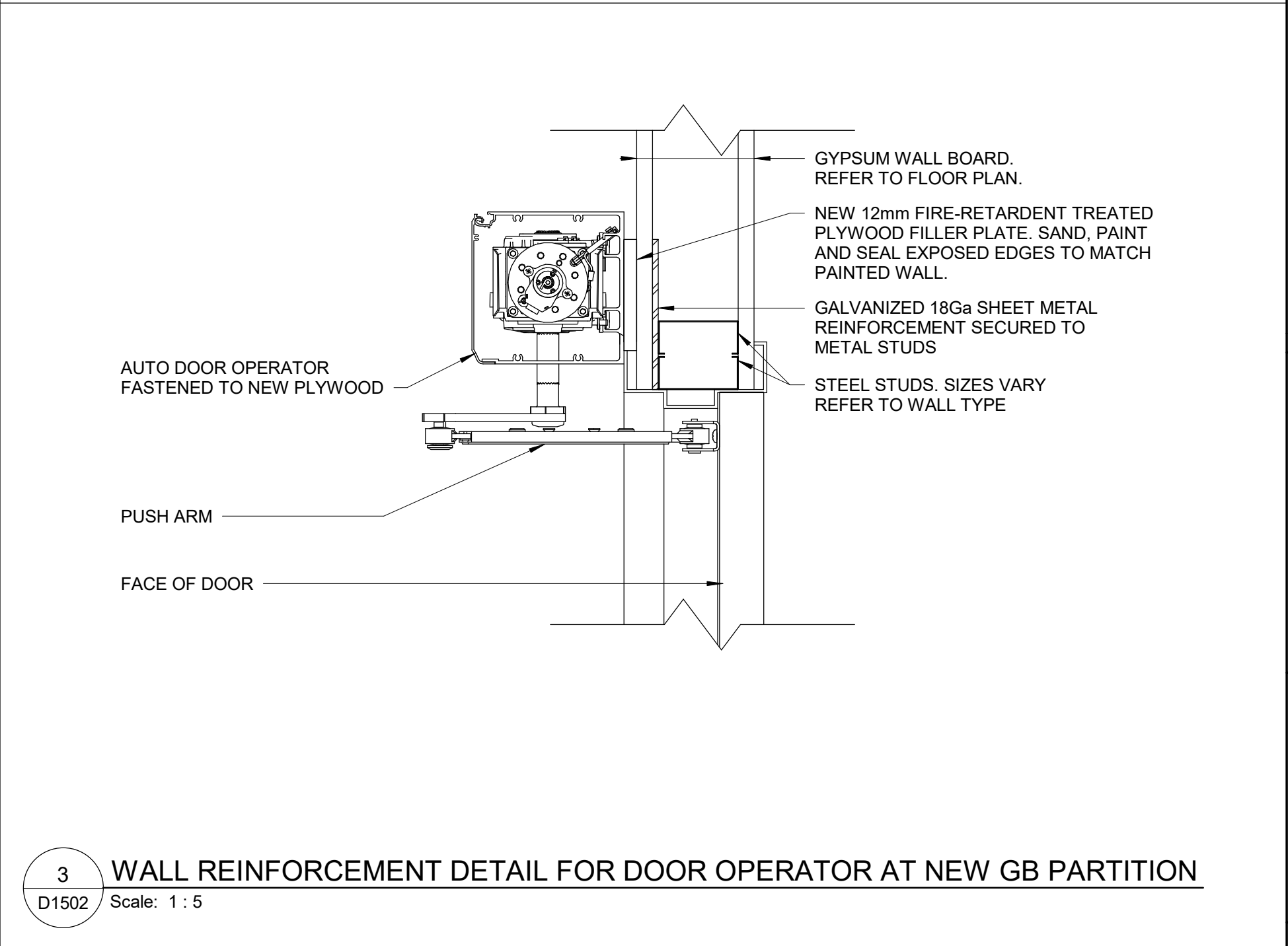
7 WALL REINFORCEMENT DETAIL FOR DOOR OPERATOR AT EXISTING GB PARTITION  
D1502 Scale: 1 : 5



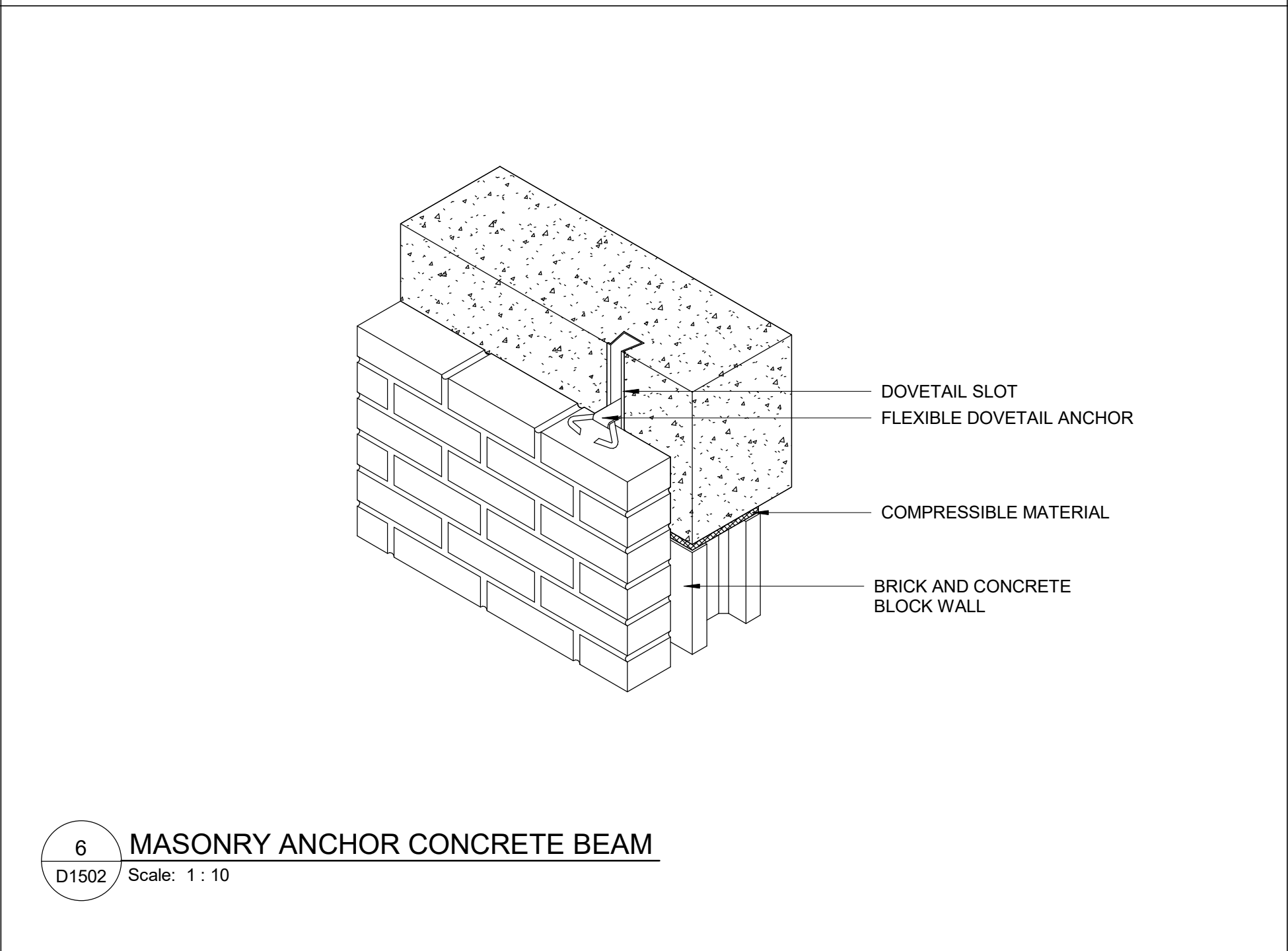
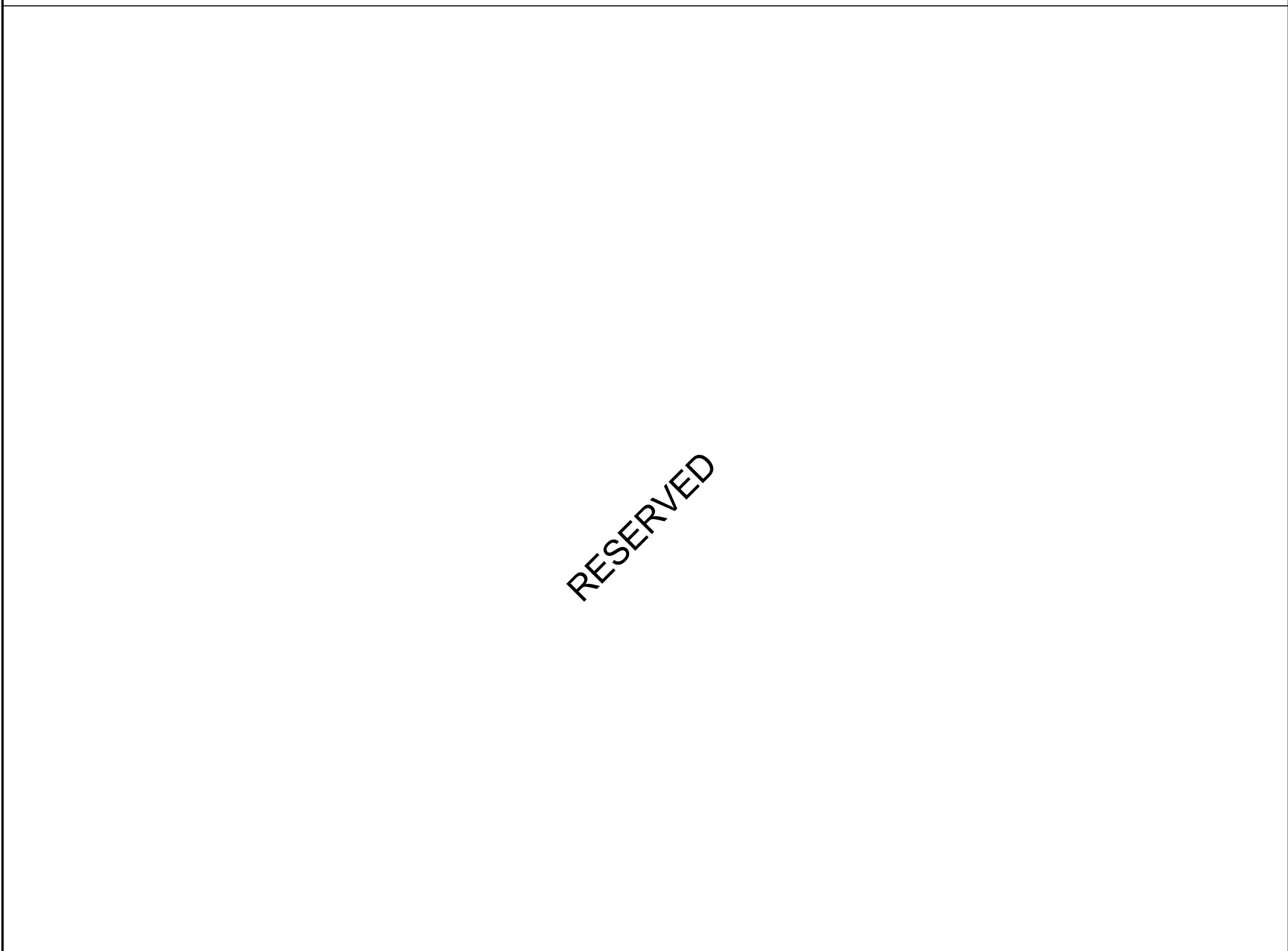
2 CONCRETE BLOCK TO CONCRETE METAL DECK  
D1502 Scale: 1 : 10



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



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



6 MASONRY ANCHOR CONCRETE BEAM  
D1502 Scale: 1 : 10

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MSV 3C6

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No.	DESCRIPTION	DATE
A	ISSUED FOR TENDER	2025-04-11

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tel 416 679 1930  
www.arcadis.com

PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
A. BOYNARIAN

CHECKED BY:  
K. TILAHUN

PROJECT MGR:  
F. BOLOURIAN

APPROVED BY:  
E. FENUITA

SHEET TITLE

MISCELLANEOUS  
DETAILS -02

SHEET NUMBER

D1502

ISSUE

A

2025-04-11 10:39:53 AM

SCALE CHECK  
1 in  
10mm



RESERVED

RESERVED

RESERVED

RESERVED

RESERVED

RESERVED


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PROJECT TITLE

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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
A. BOYNARIAN

CHECKED BY:  
K. TILAHUN

PROJECT MGR:  
F. BOLOURIAN

APPROVED BY:  
E. FENUTA

SHEET TITLE

ELEVAOTOR DETAILS

SHEET NUMBER

D1601

ISSUE

A

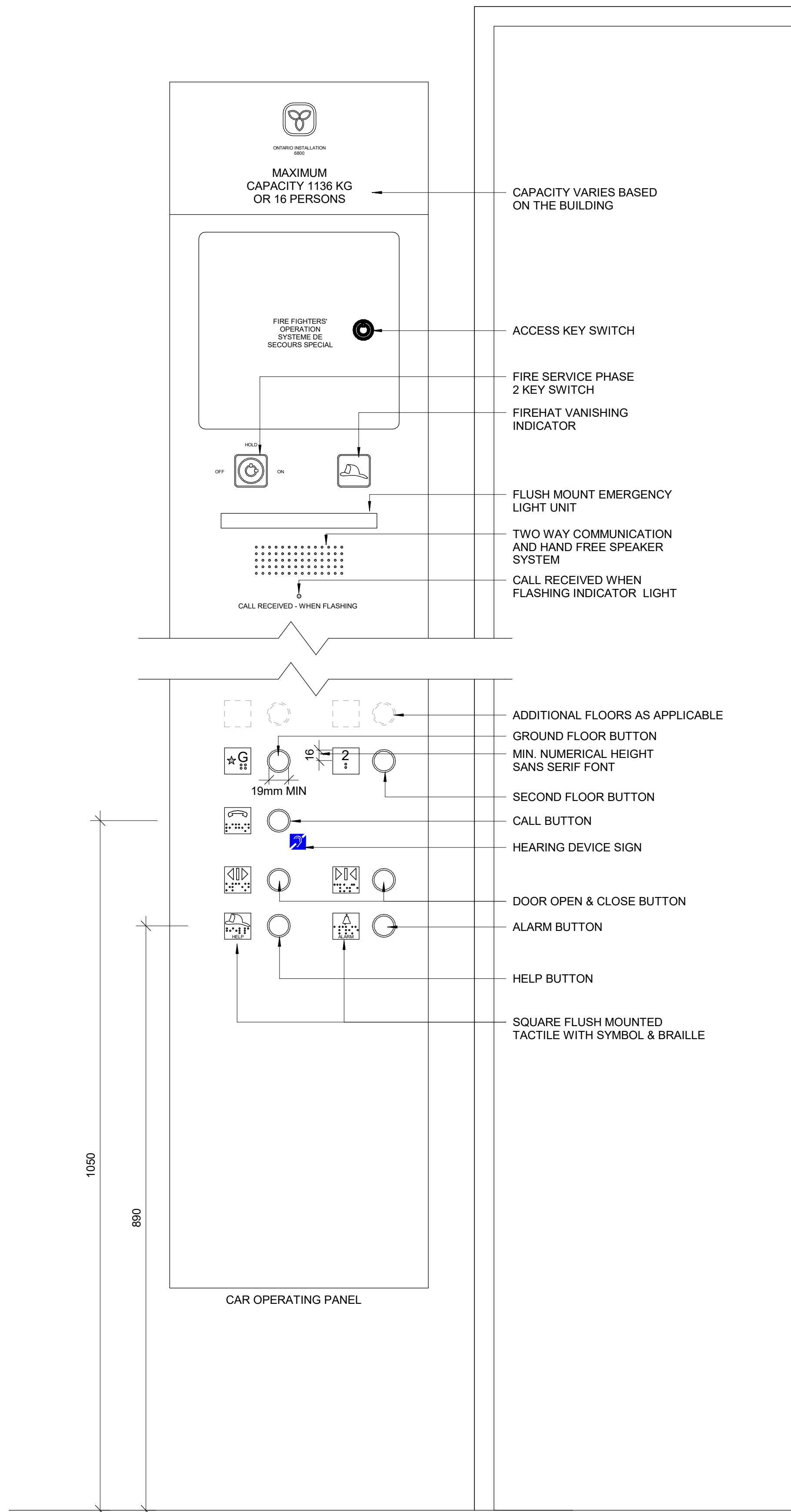
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SCALE CHECK  
1 in

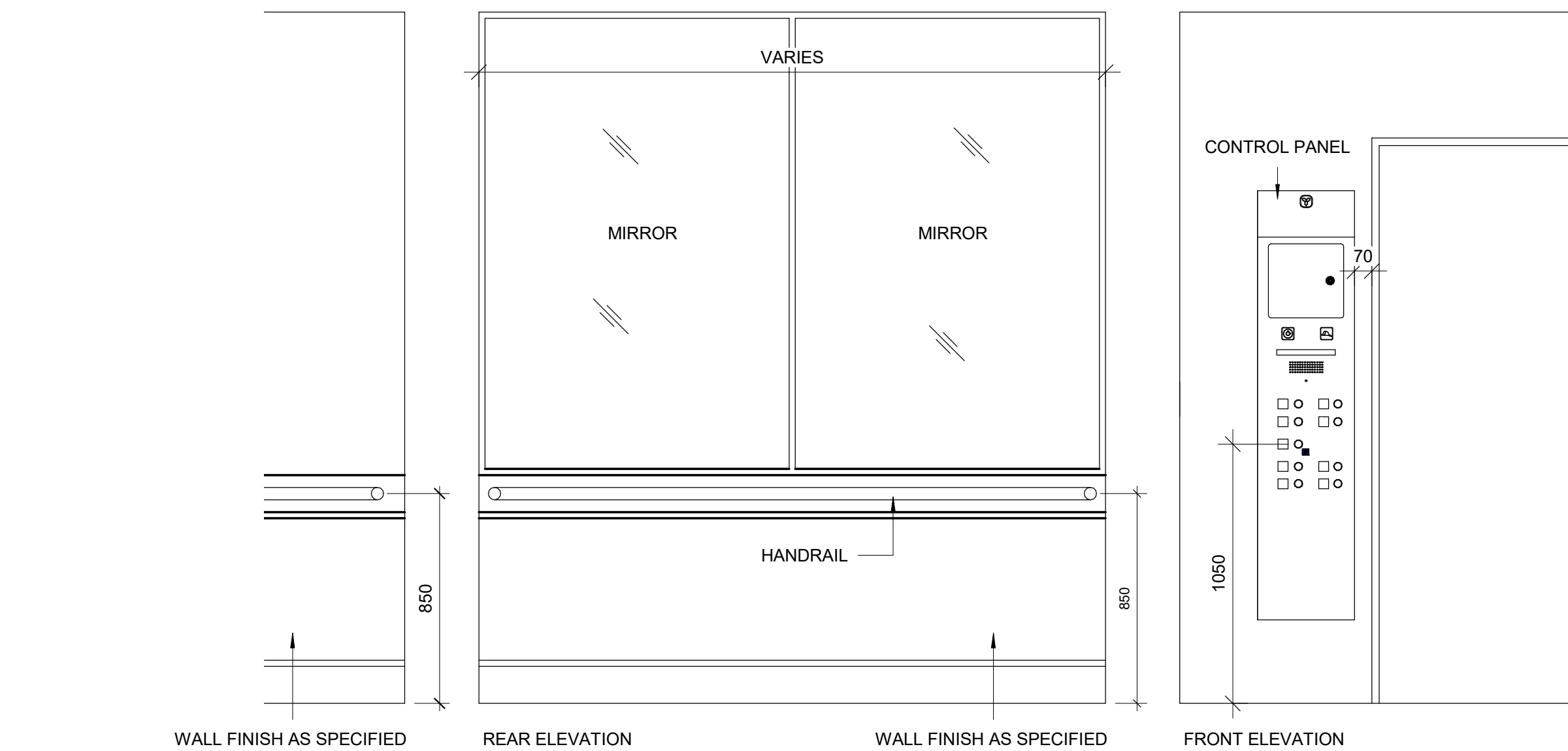
10mm

2025-04-11 10:39:53 AM

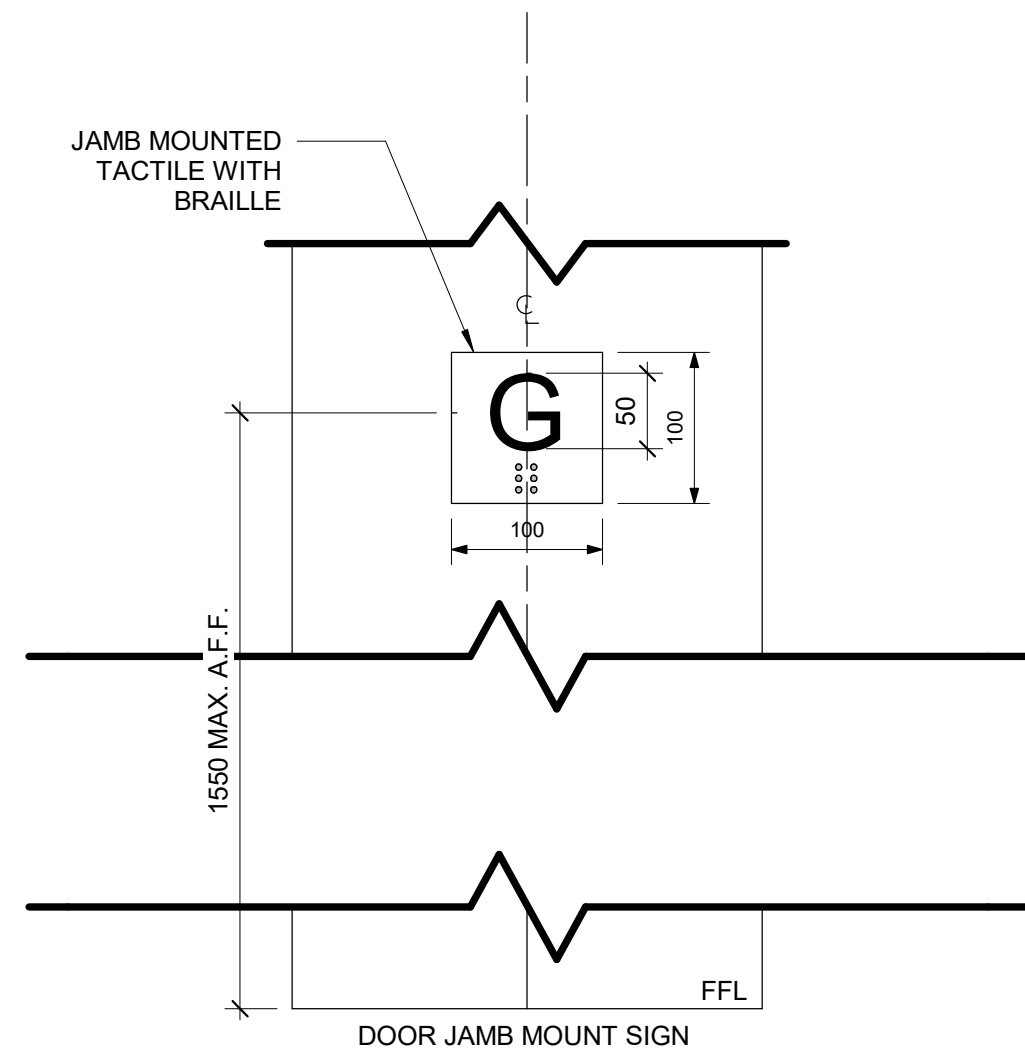
1 INTERIOR ELEVATOR CONTROLS  
D1602 Scale: 1 : 5



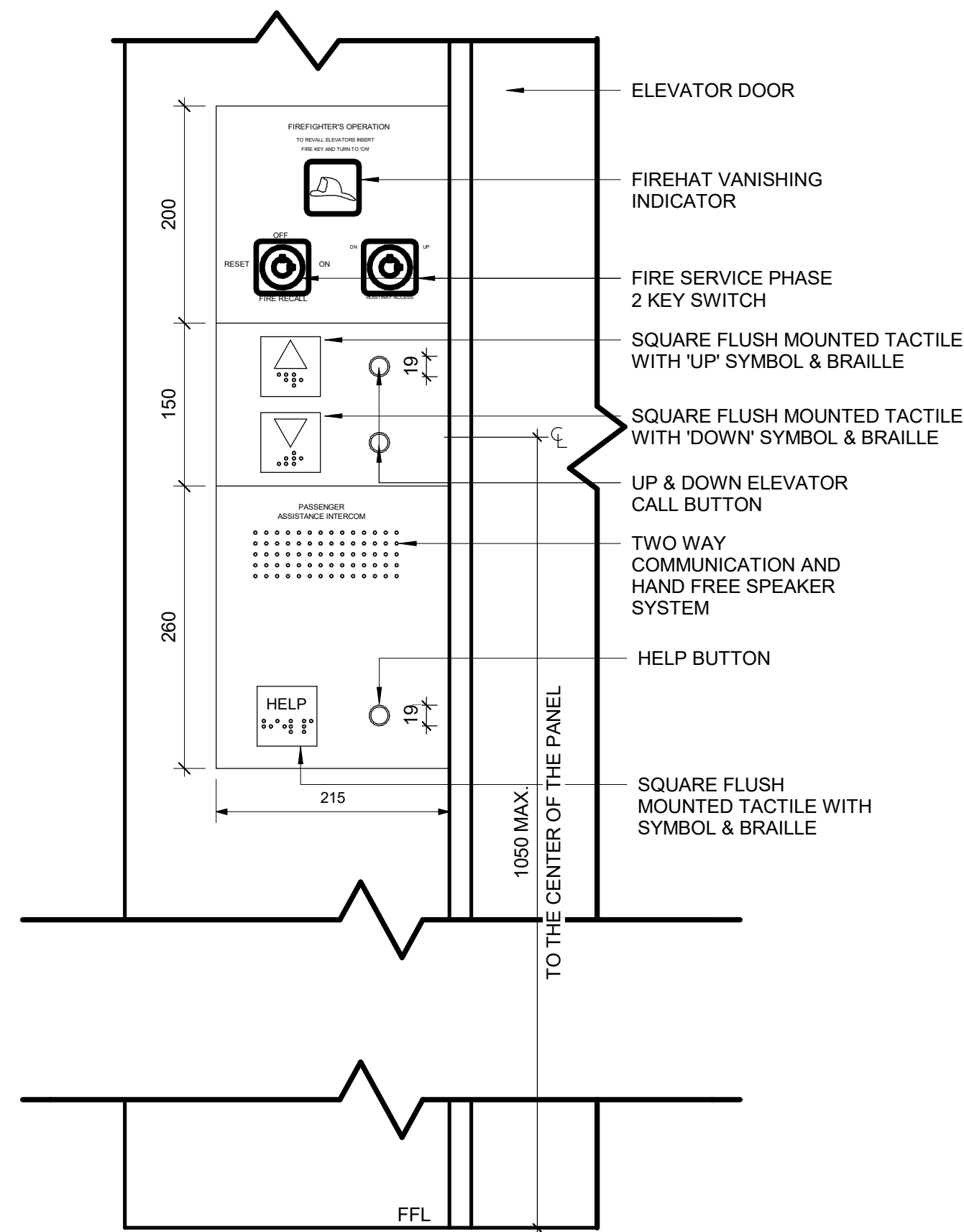
2 ELEVATOR INTERIOR ELEVATIONS  
D1602 Scale: 1 : 20



3 TACTILE FLOOR MARKER  
D1602 Scale: 1 : 5



4 ELEVATOR EXTERIOR PANEL ELEVATION  
D1602 Scale: 1 : 5



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**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
**A. BOYNARIAN**

CHECKED BY:  
**K. TILAHUN**

PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**E. FENUITA**

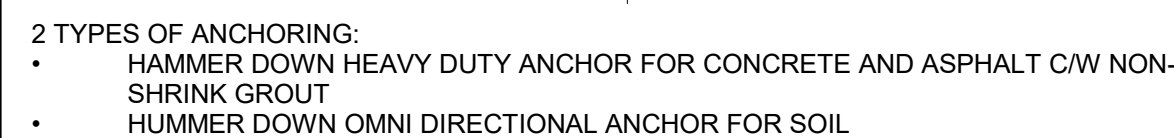
SHEET TITLE  
**ELEVATOR CONTROL &  
INTERIOR CABIN  
DETAILS**

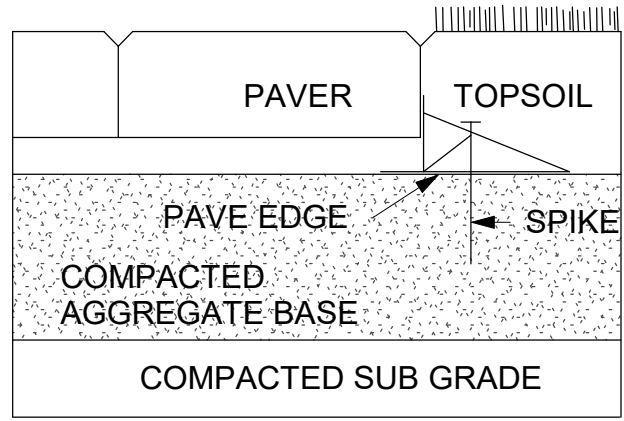
SHEET NUMBER  
**D1602**

ISSUE  
**A**

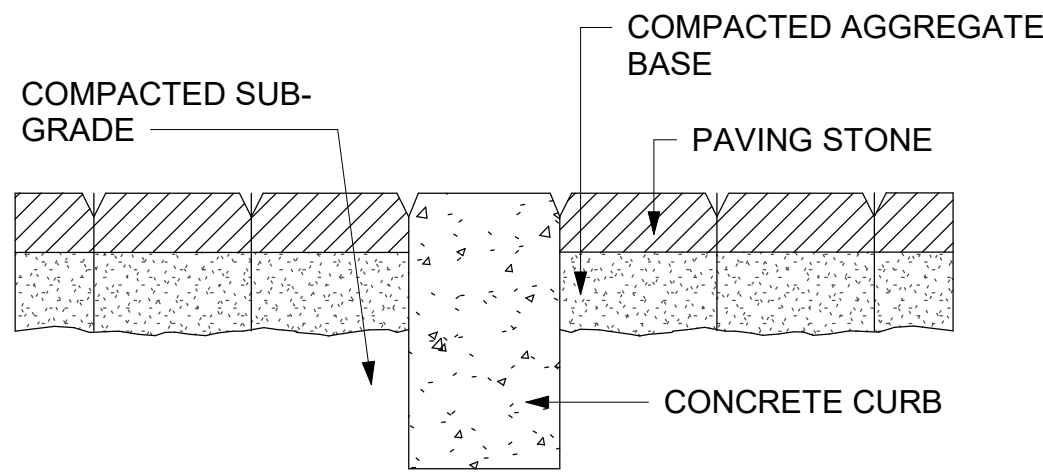
SCALE CHECK  
1"=10mm



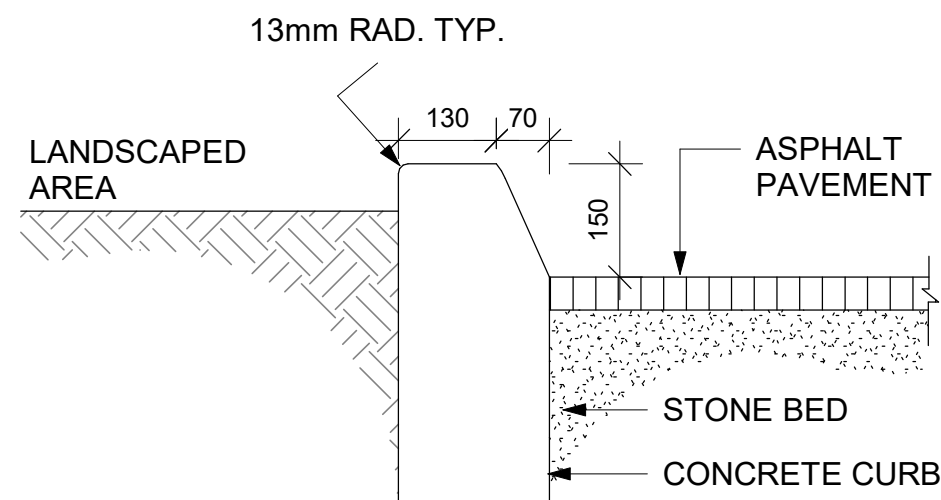




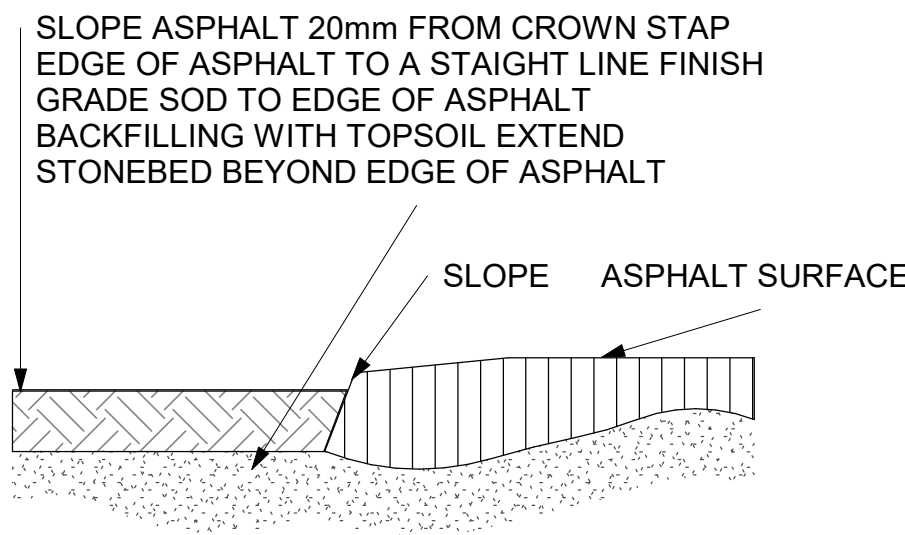
1 PAVER  
D1702 Scale: 1 : 10



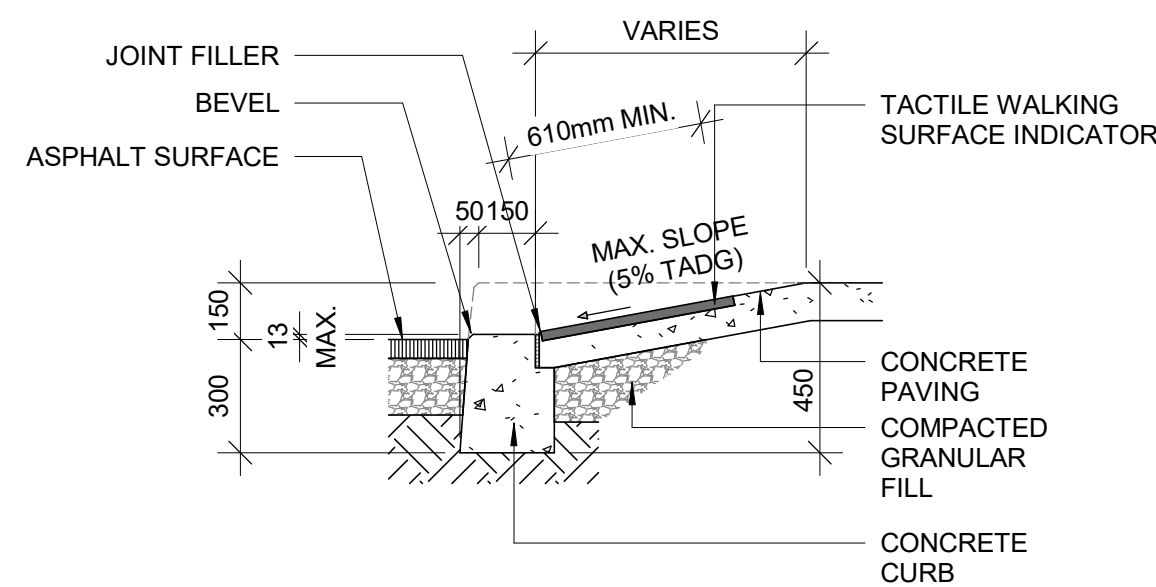
2 DEPRESSION CURB  
D1702 Scale: 1 : 10



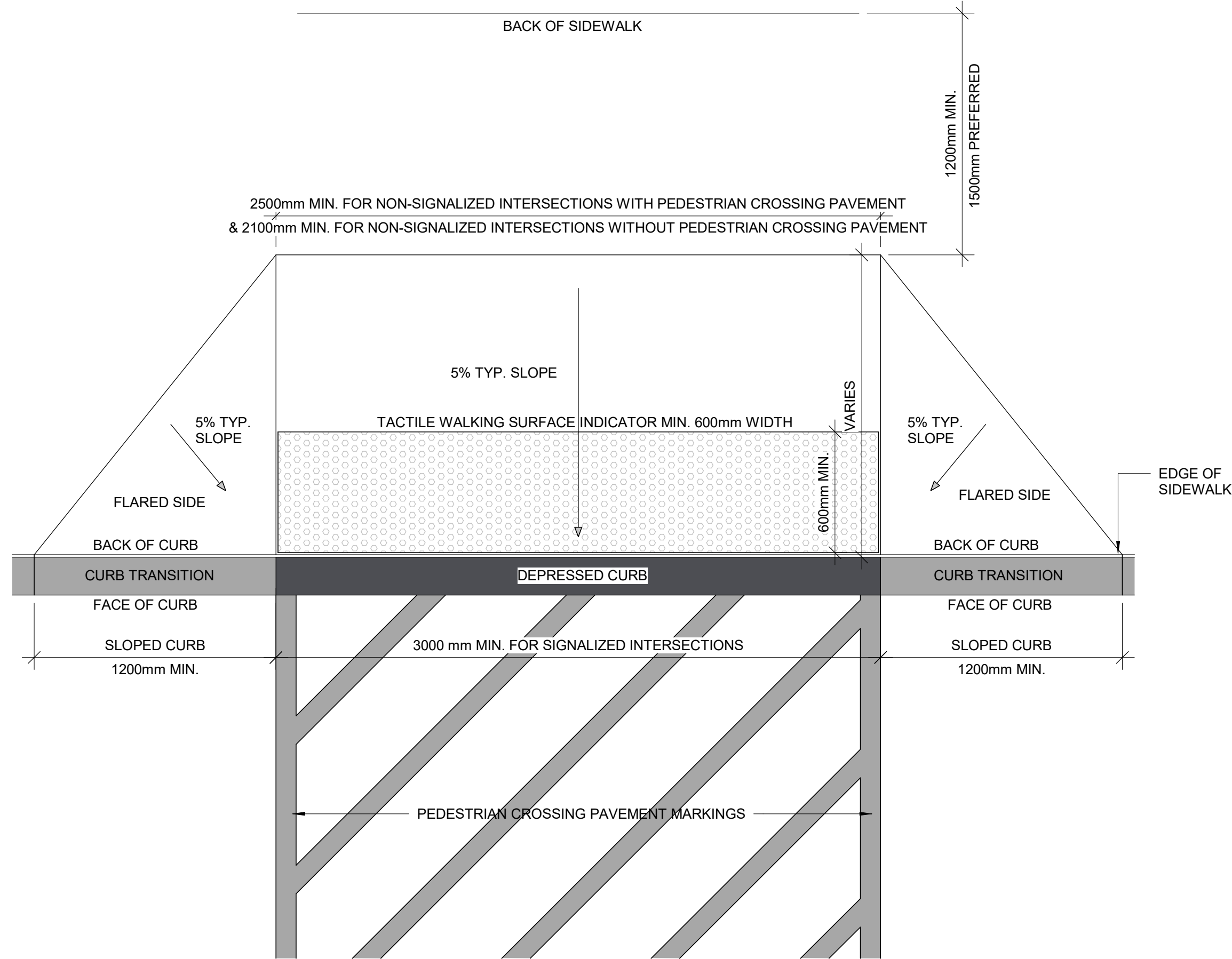
3 CURB DETAIL AT LANDSCAPED AREA  
D1702 Scale: 1 : 10



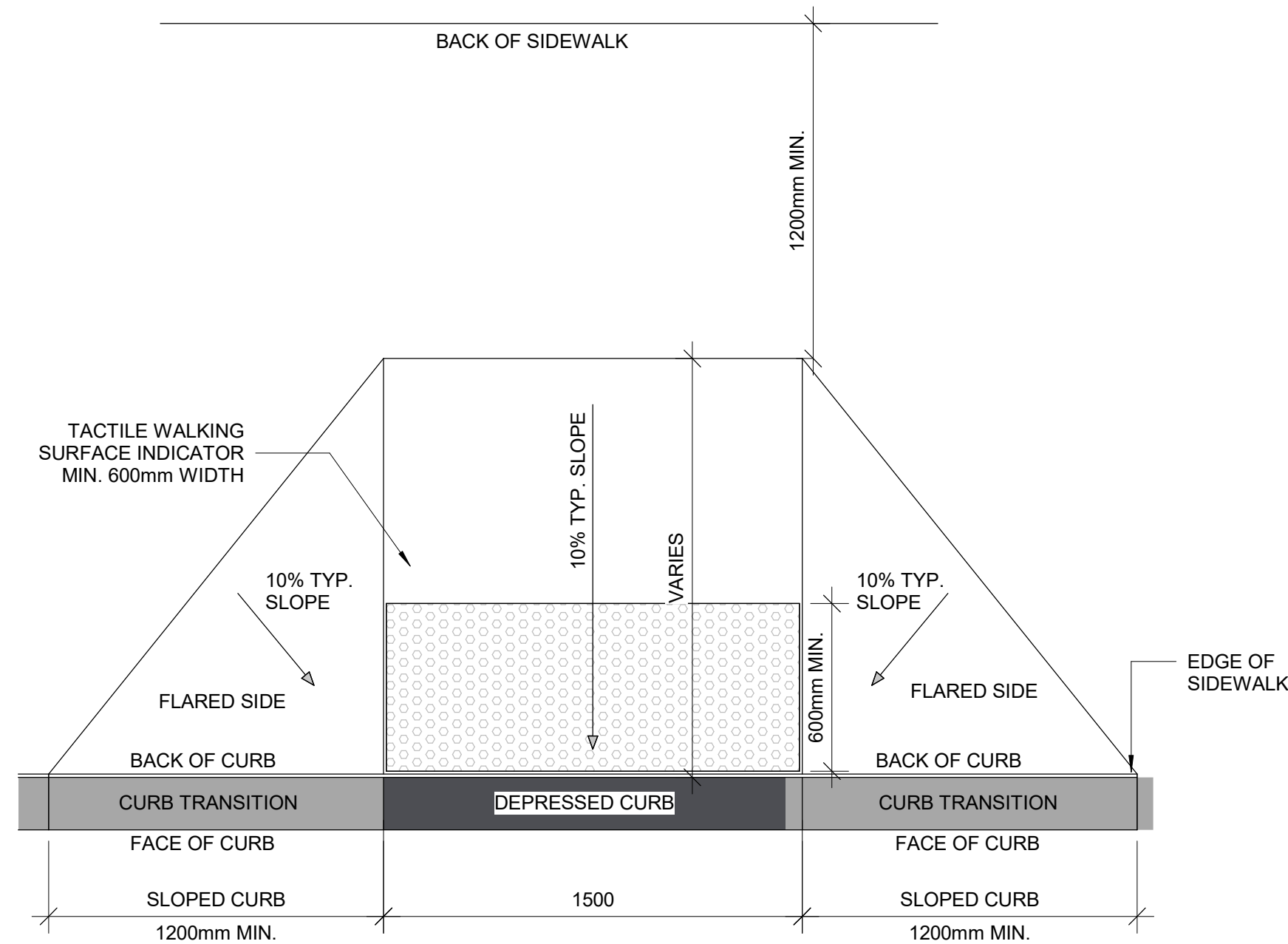
4 ASPHALT EDGE  
D1702 Scale: 1 : 10



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 ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056  
DRAWN BY:  
**A. BOYNARIAN**  
CHECKED BY:  
**K. TILAHUN**  
PROJECT MGR:  
**F. BOLOURIAN**  
APPROVED BY:  
**E. FENUITA**

SHEET TITLE  
**CURB DETAILS**

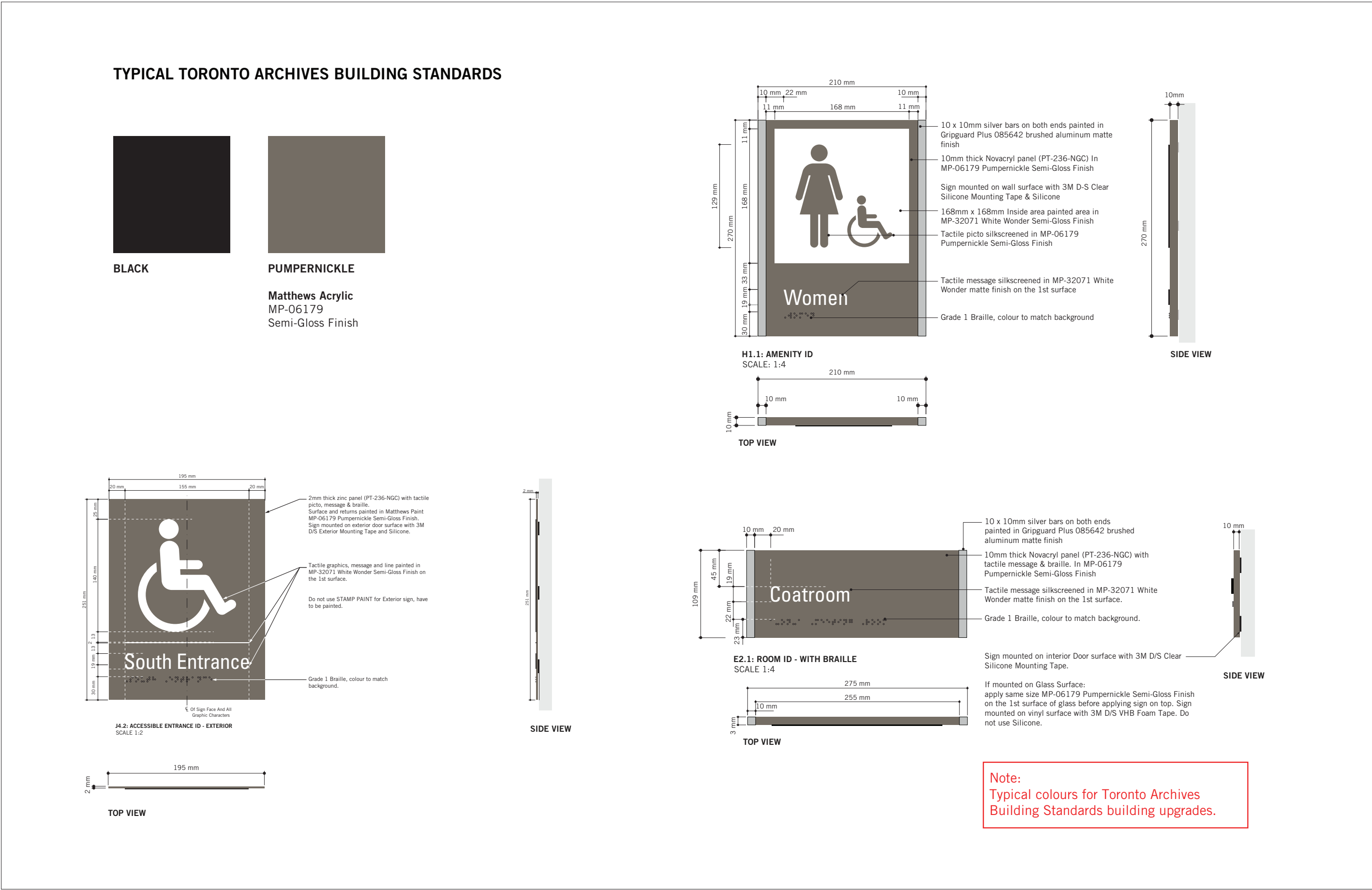
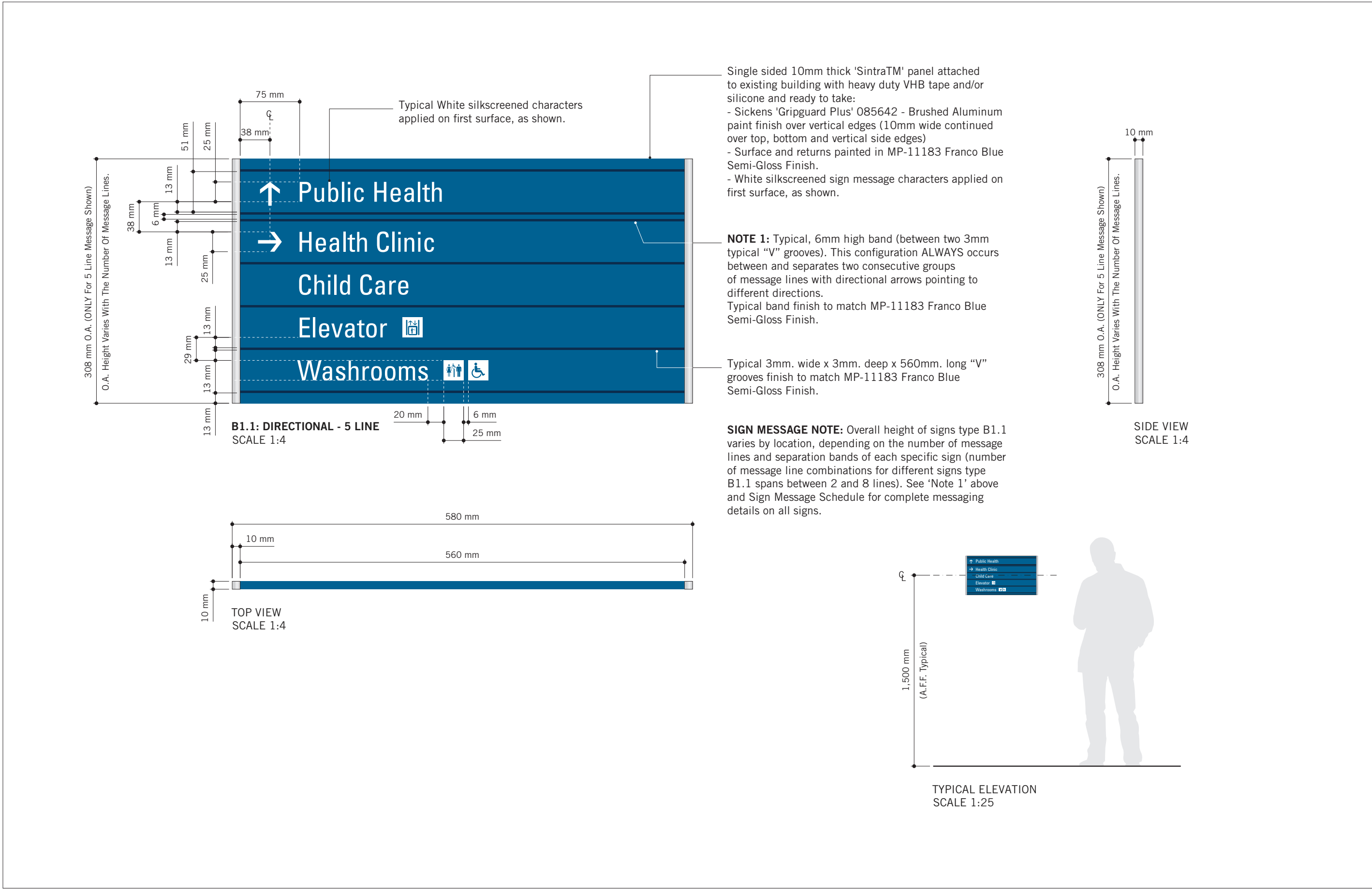
SHEET NUMBER  
**D1702**  
ISSUE  
**A**







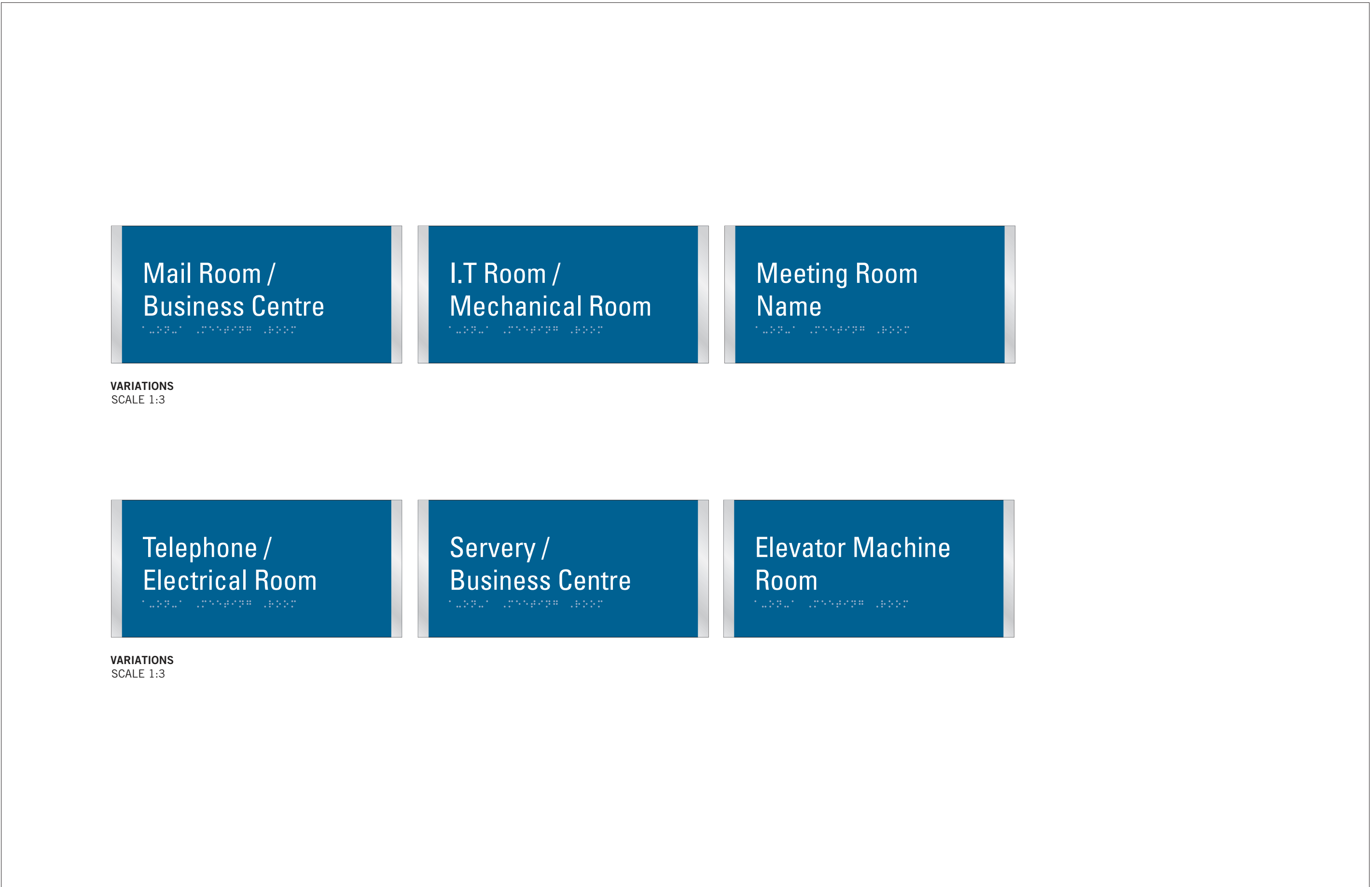
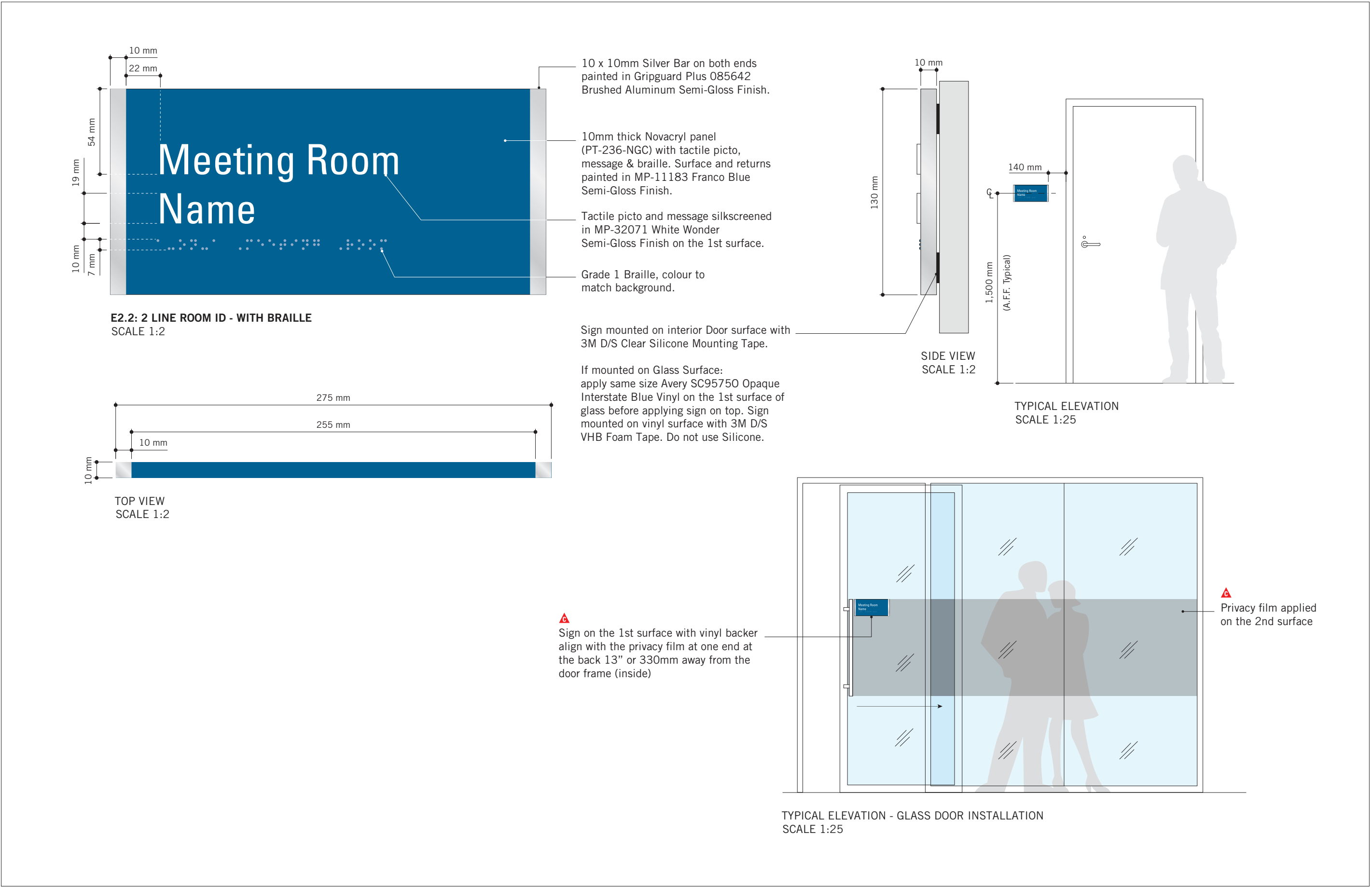
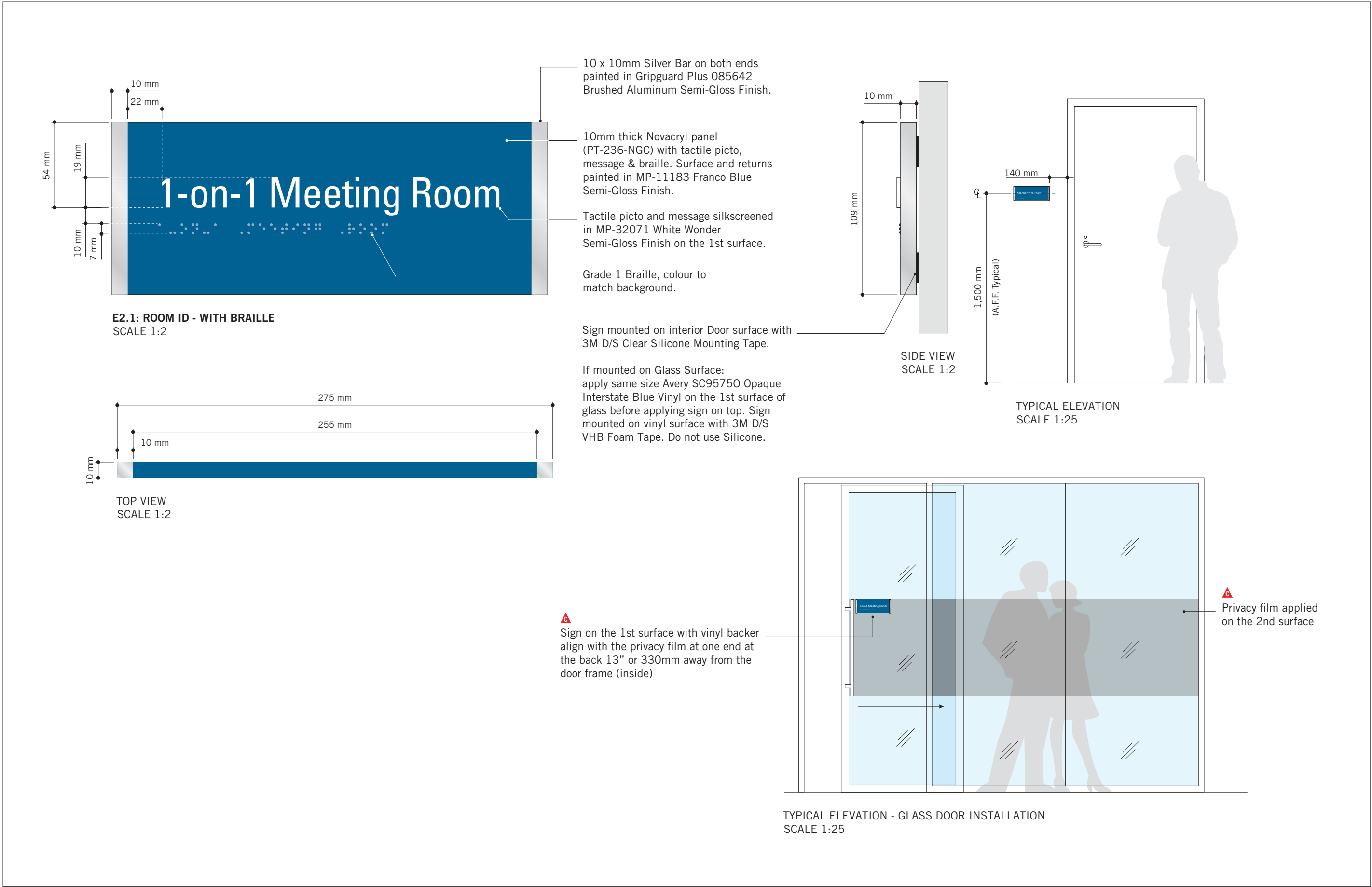




ISSUES		
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No.	DESCRIPTION	DATE
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**PROJECT TITLE**  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

**PROJECT ADDRESS**  
GROUP 05 BUILDINGS

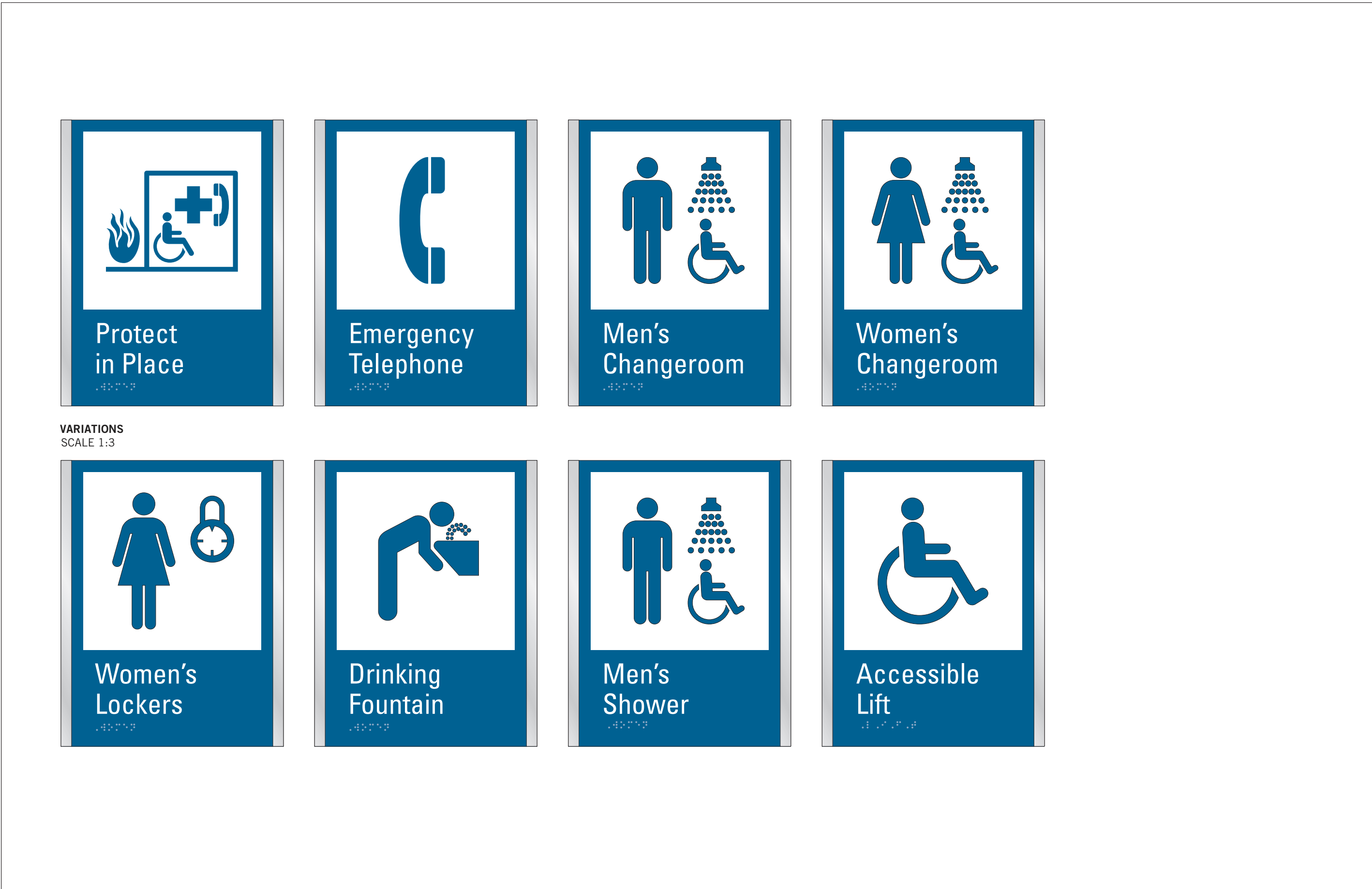
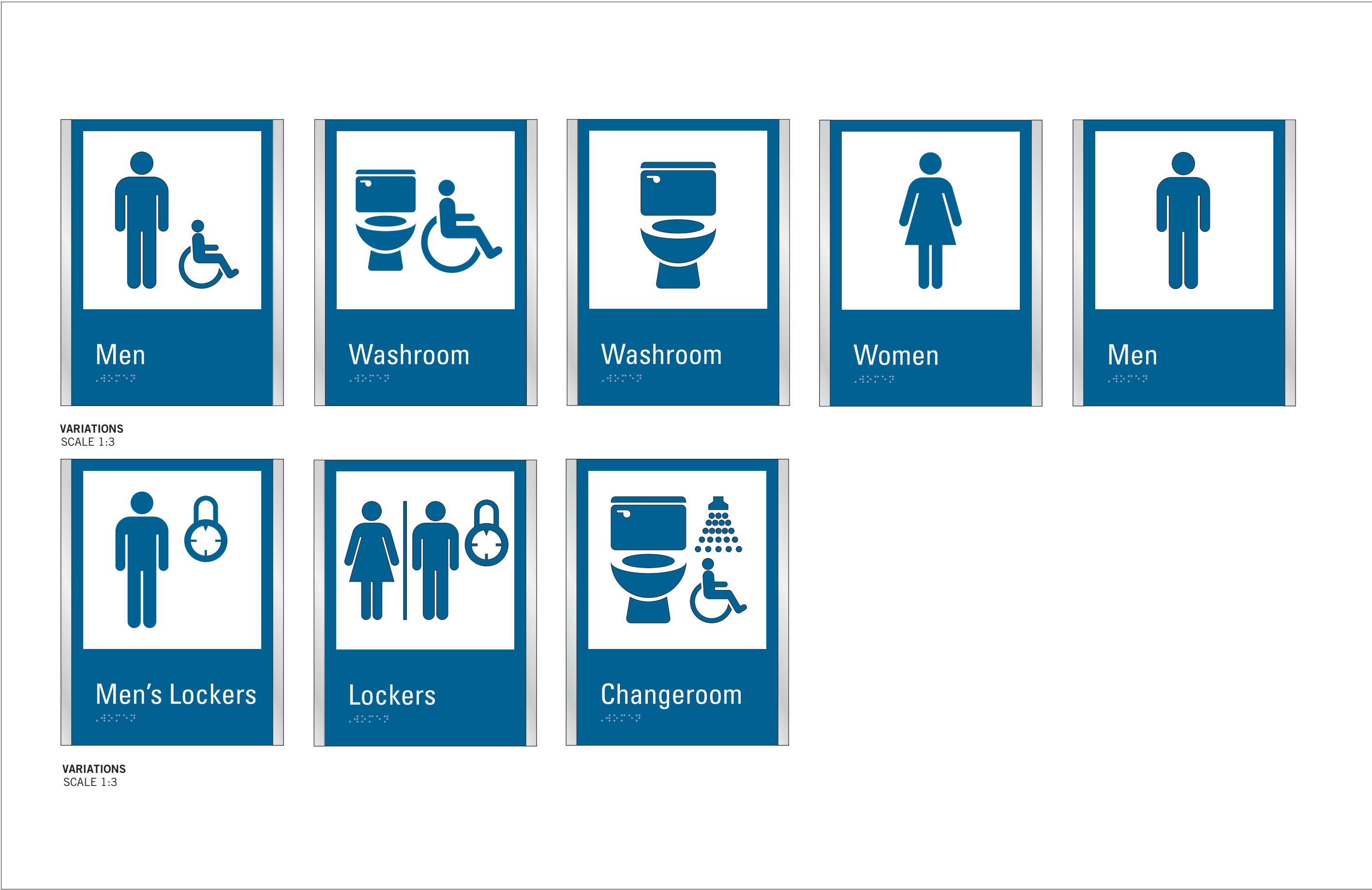
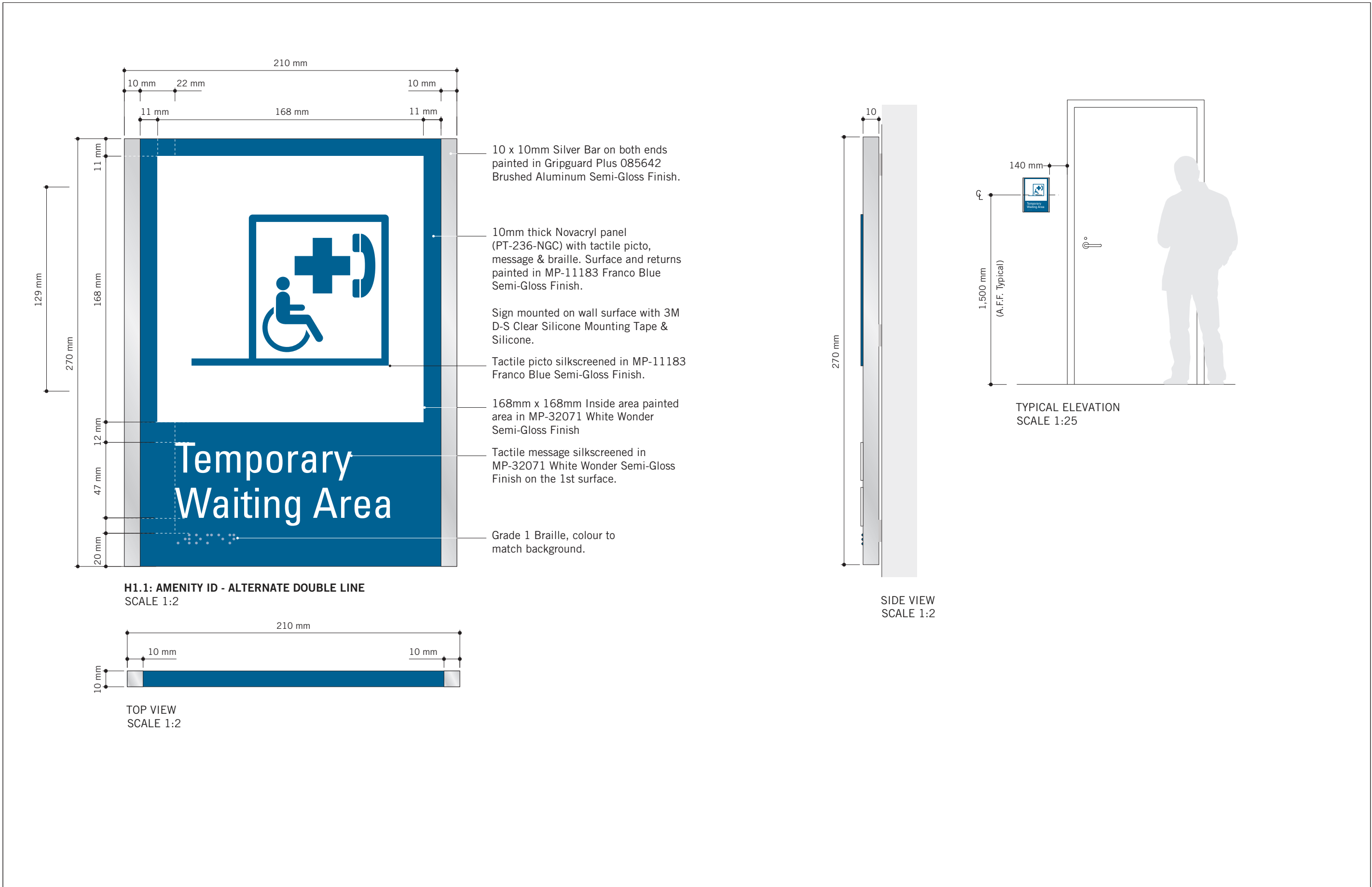
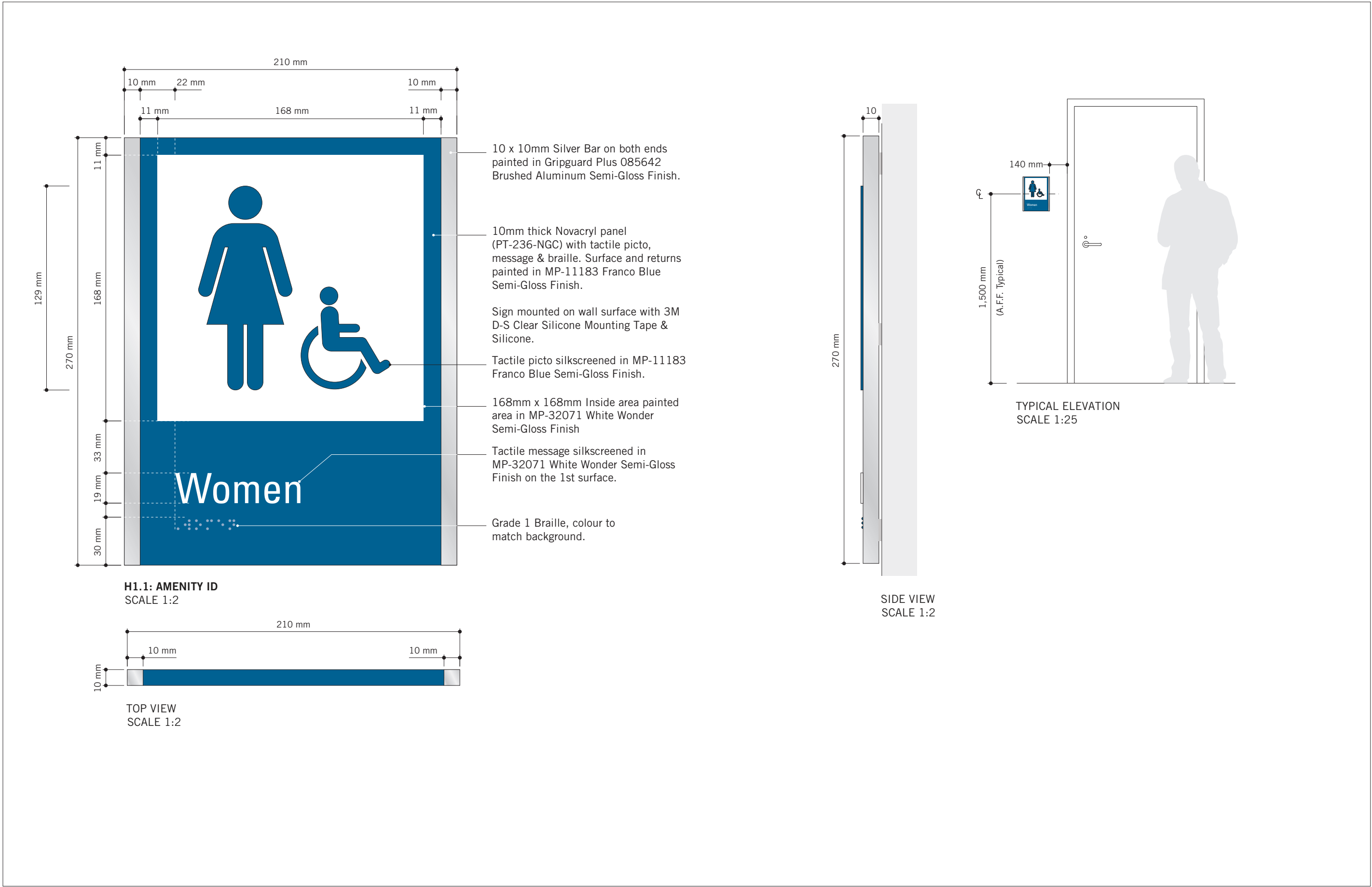
PROJECT NO: 9119 - 19 - 0162 / Arcadis 30279056	
DRAWN BY: <b>M.LOW</b>	CHECKED BY: <b>C.D. SCHNOBB</b>
PROJECT MGR: <b>R. DALY</b>	APPROVED BY:

**SHEET TITLE**  
SIGNAGE & WAYFINDING  
DETAILS  
E2: ROOM ID

SHEET NUMBER	ISSUE
<b>D1903</b>	<b>A</b>







ISSUES		
No.	DESCRIPTION	DATE
A	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS  
GROUP 05 BUILDINGS

PROJECT NO:  
9119 - 19 - 0162 / Arcadis 30279056

DRAWN BY:  
**M.LOW**

CHECKED BY:  
**C.D. SCHNOBB**

PROJECT MGR:  
**R. DALY**

APPROVED BY:

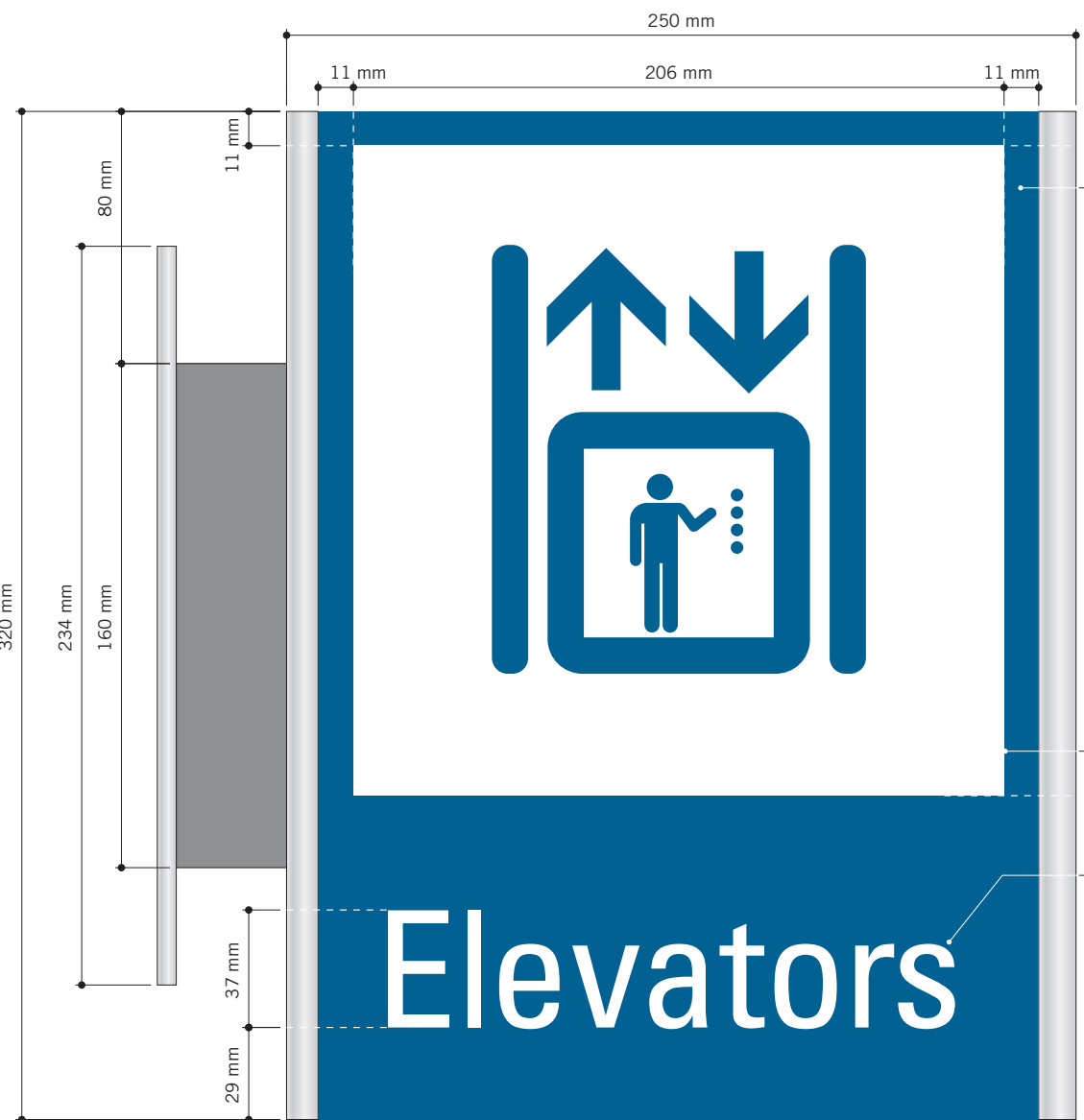
SHEET TITLE  
SIGNAGE & WAYFINDING  
DETAILS

H1.1: AMENITY ID

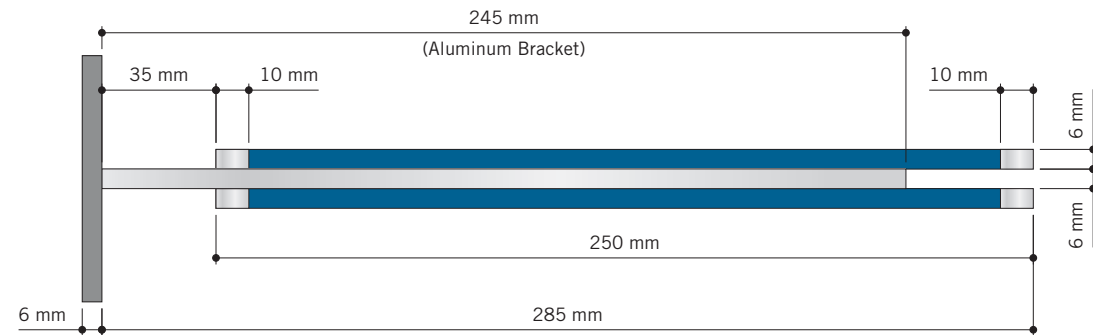
SHEET NUMBER  
**D1905**

ISSUE  
**A**

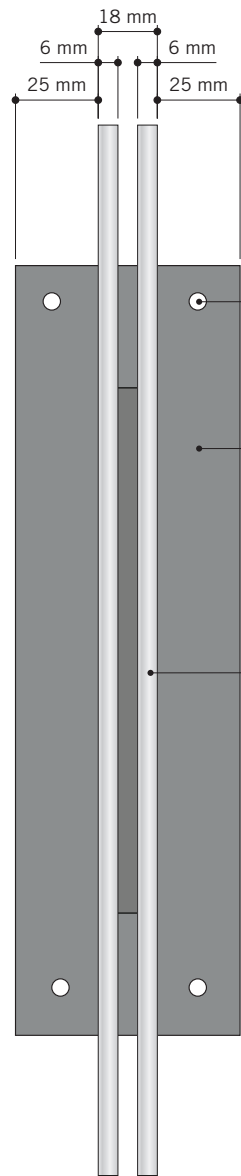




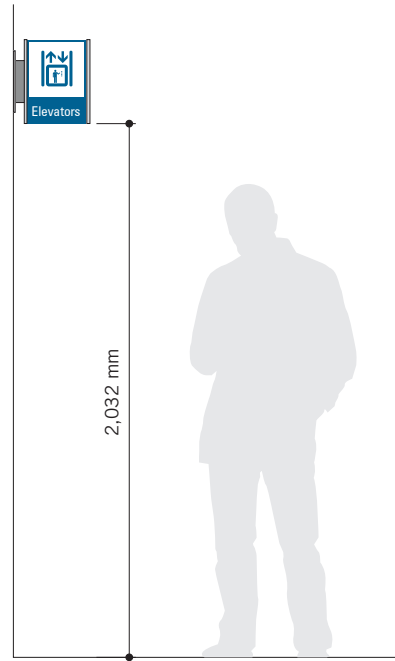
H2.1: PROJECTING AMENITY ID  
SCALE 1:2



TOP VIEW  
SCALE 1:2



SIDE VIEW  
SCALE 1:2



TYPICAL ELEVATION  
SCALE 1:25

(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.

(4) 1/4" C/S Toggle bolts into existing drywall (TBC). Heads painted to match.

6mm (1/4") thick Aluminum Wall Plate Painted in GripGuard Plus 085642 Brushed Aluminum.

(2) 6mm thick Sintra panels, attached back to back to 6mm thick Aluminum bracket.



VARIATIONS  
SCALE 1:4



ISSUES		
No.	DESCRIPTION	DATE
A	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS  
GROUP 05 BUILDINGS

PROJECT NO:  
9119 - 19 - 0162 / Arcadis 30279056

DRAWN BY:  
M.LOW

CHECKED BY:  
C.D. SCHNOBB

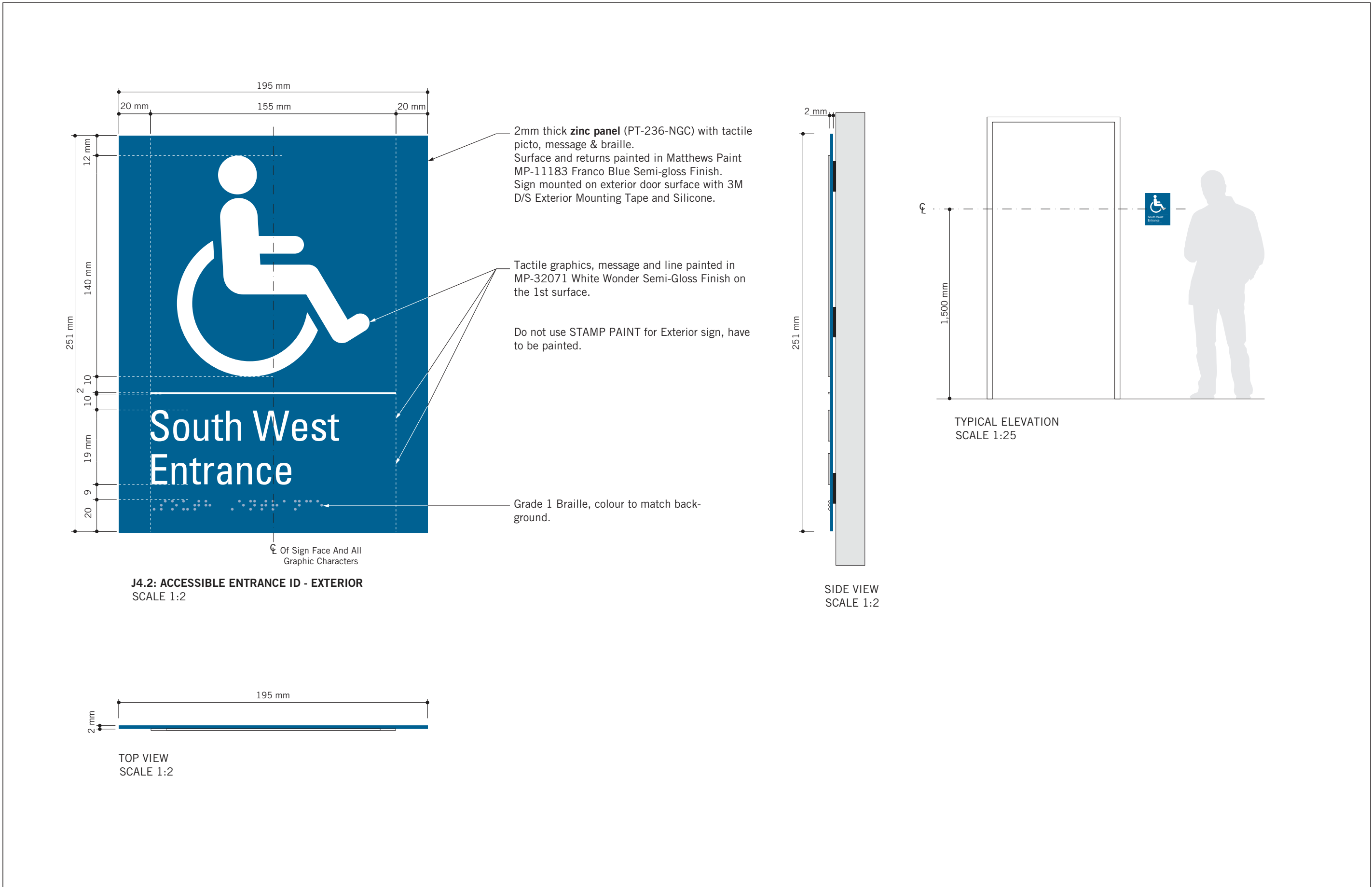
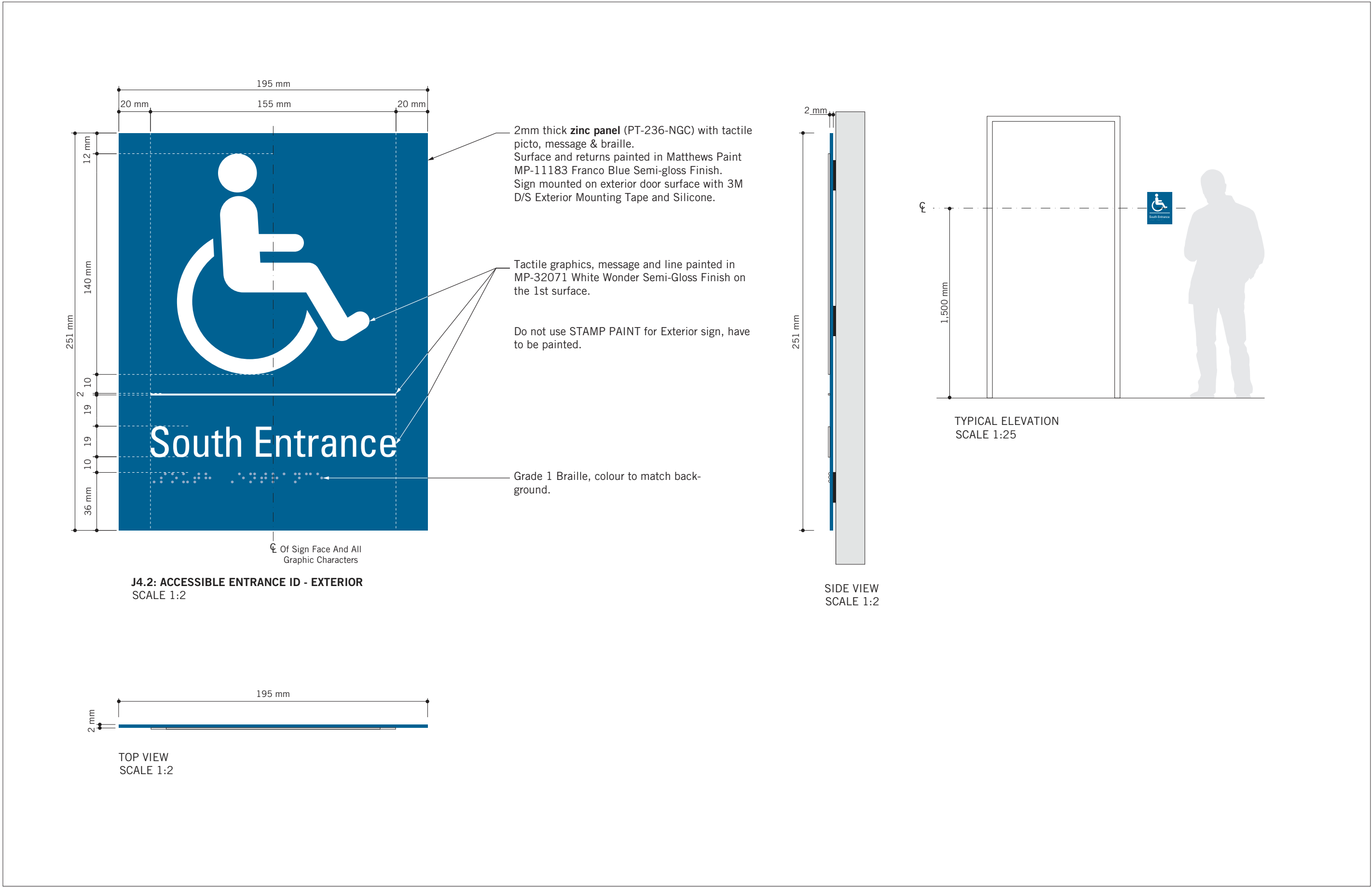
PROJECT MGR:  
R. DALY

APPROVED BY:

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

SHEET NUMBER  
D1906

ISSUE  
A



ISSUES		
No.	DESCRIPTION	DATE
A	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS  
GROUP 05 BUILDINGS

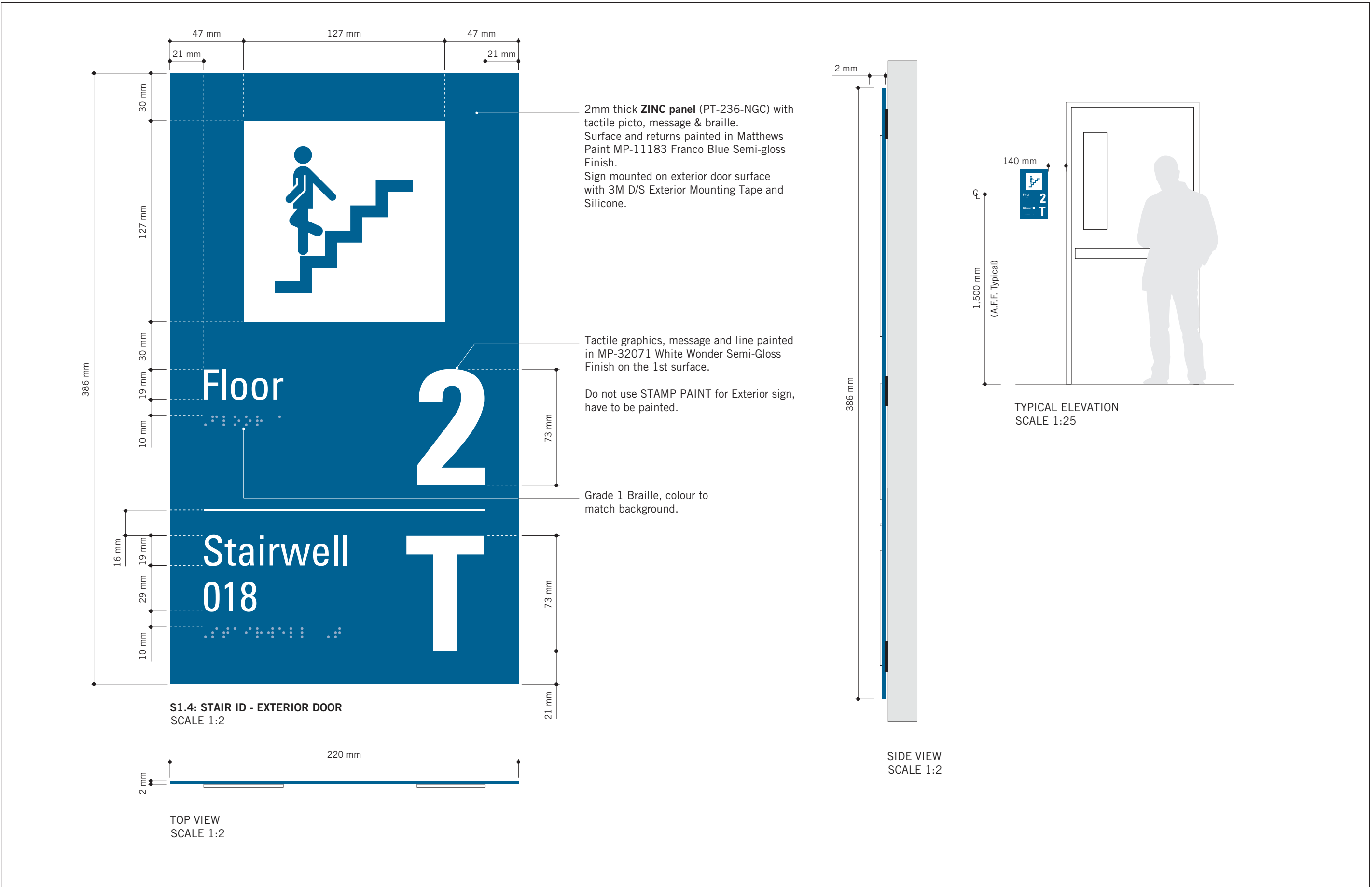
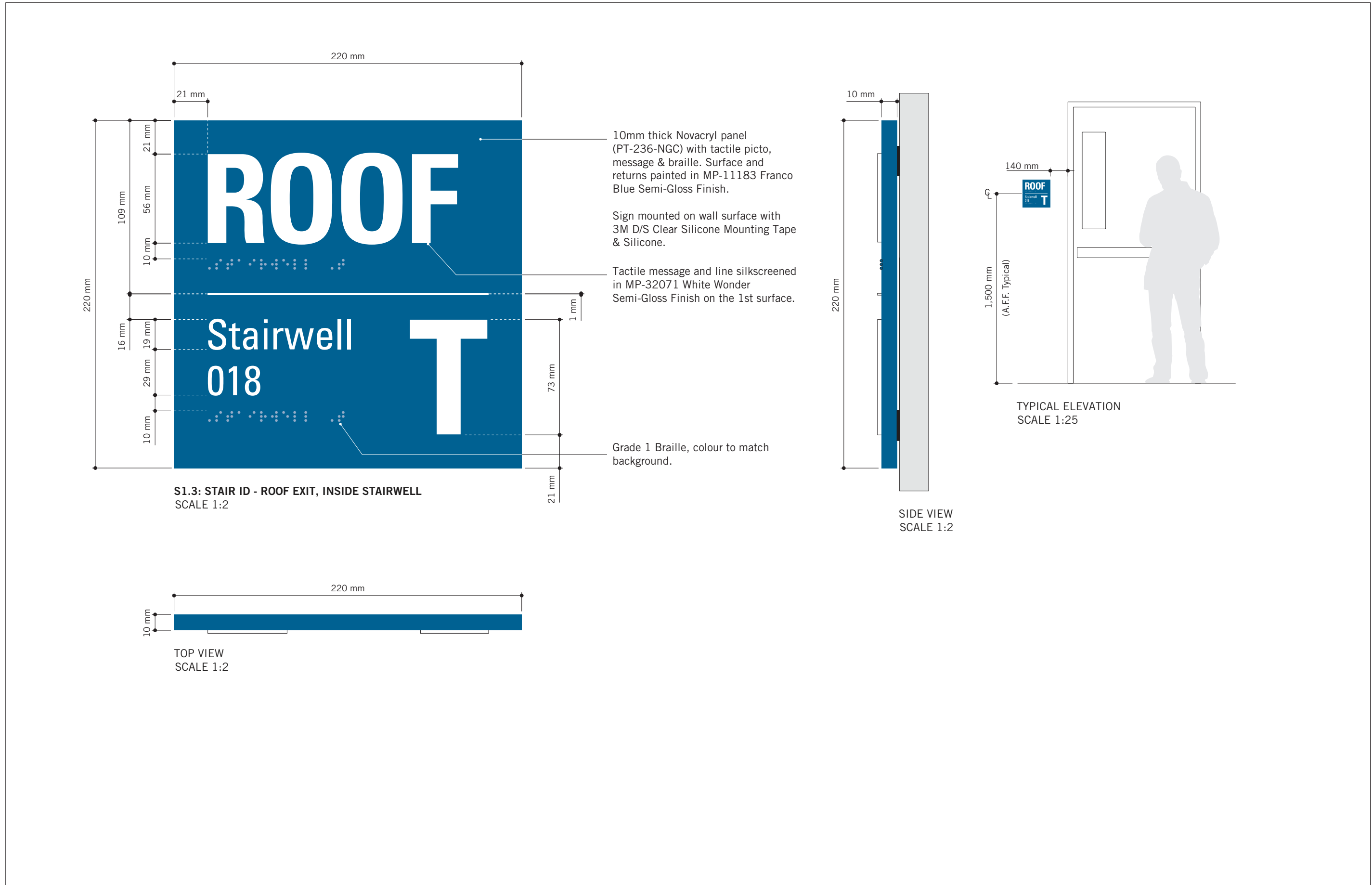
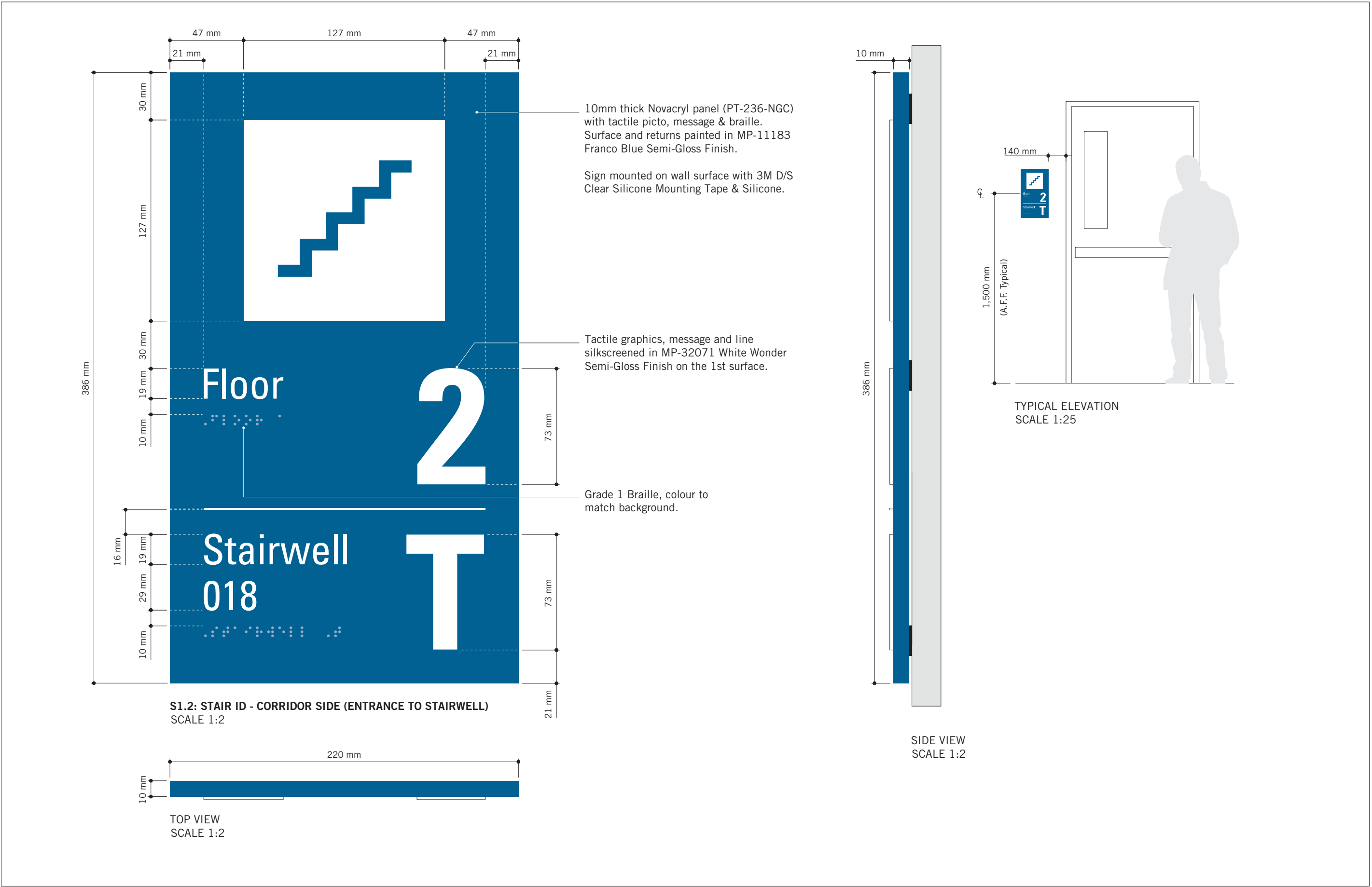
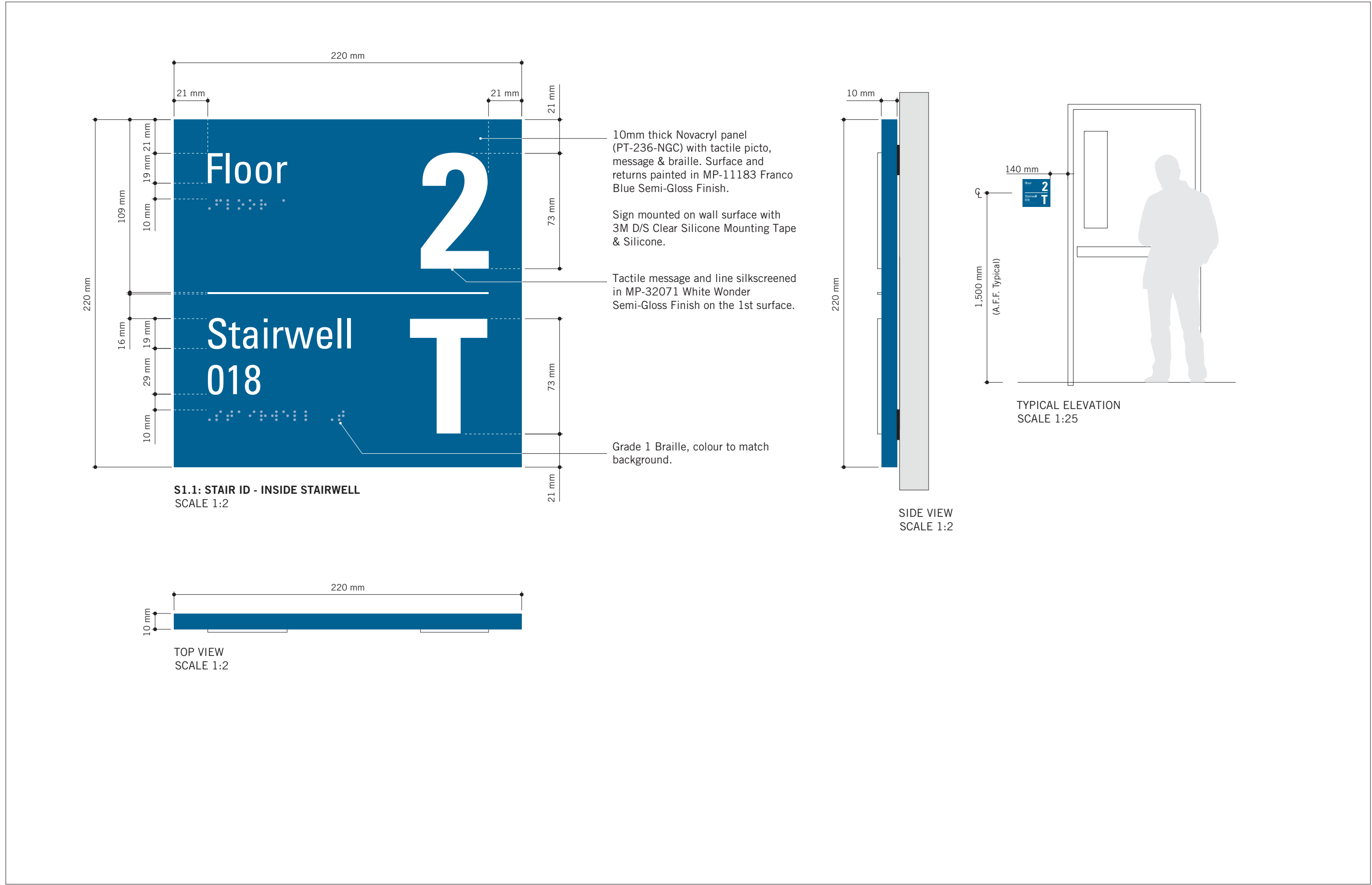
PROJECT NO:  
9119 - 19 - 0162 / Arcadis 30279056

DRAWN BY: <b>M.LOW</b>	CHECKED BY: <b>C.D. SCHNOBB</b>
PROJECT MGR: <b>R. DALY</b>	APPROVED BY:

SHEET TITLE  
SIGNAGE & WAYFINDING  
DETAILS  
J4: ACCESSIBLE ENTRANCE

SHEET NUMBER <b>D1907</b>	ISSUE <b>A</b>
------------------------------	-------------------





ISSUES		
No.	DESCRIPTION	DATE
A	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

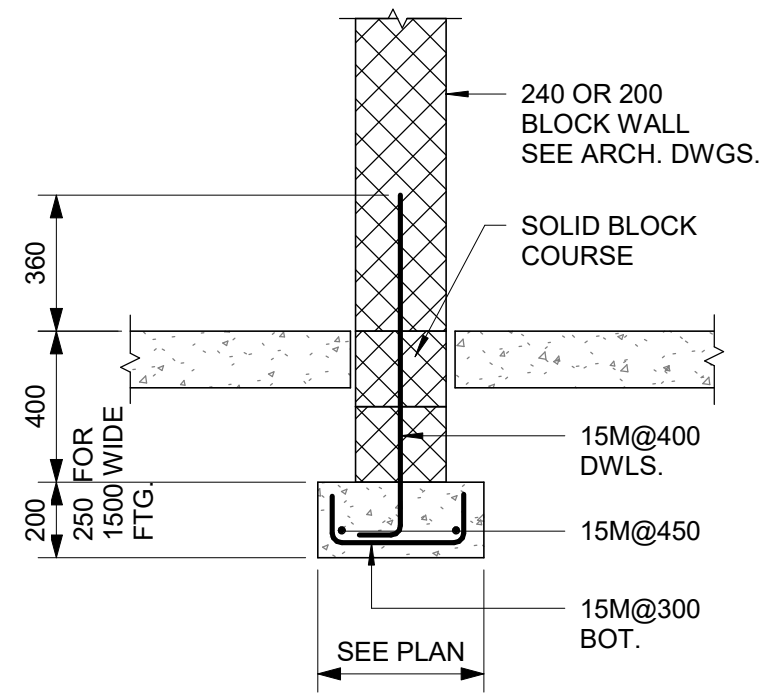
PROJECT ADDRESS  
**GROUP 05 BUILDINGS**

PROJECT NO:  
9119 – 19 – 0162 / Arcadis 30279056

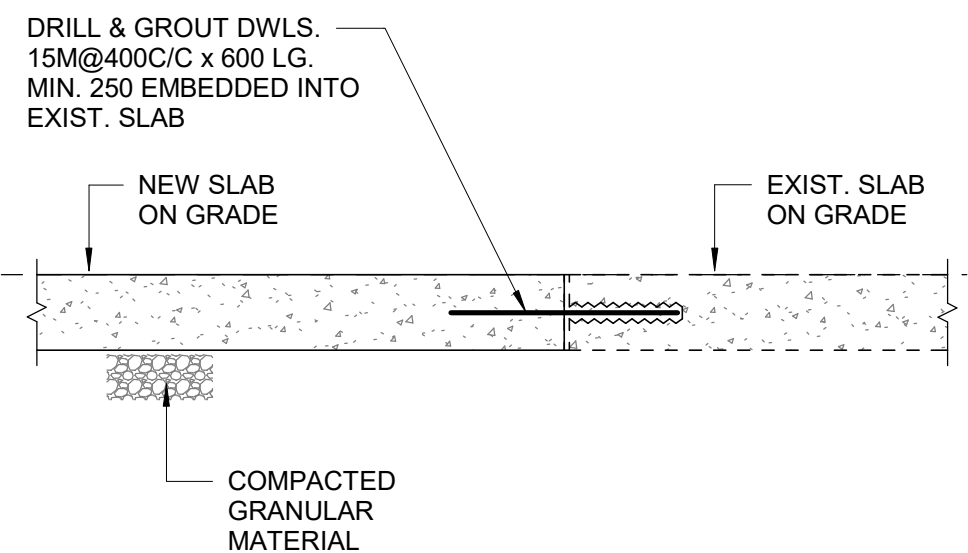
DRAWN BY: <b>M. LOW</b>	CHECKED BY: <b>C.D. SCHNOBB</b>
PROJECT MGR: <b>R. DALY</b>	APPROVED BY:

SHEET TITLE  
**SIGNAGE & WAYFINDING  
DETAILS  
S1: STAIR ID**

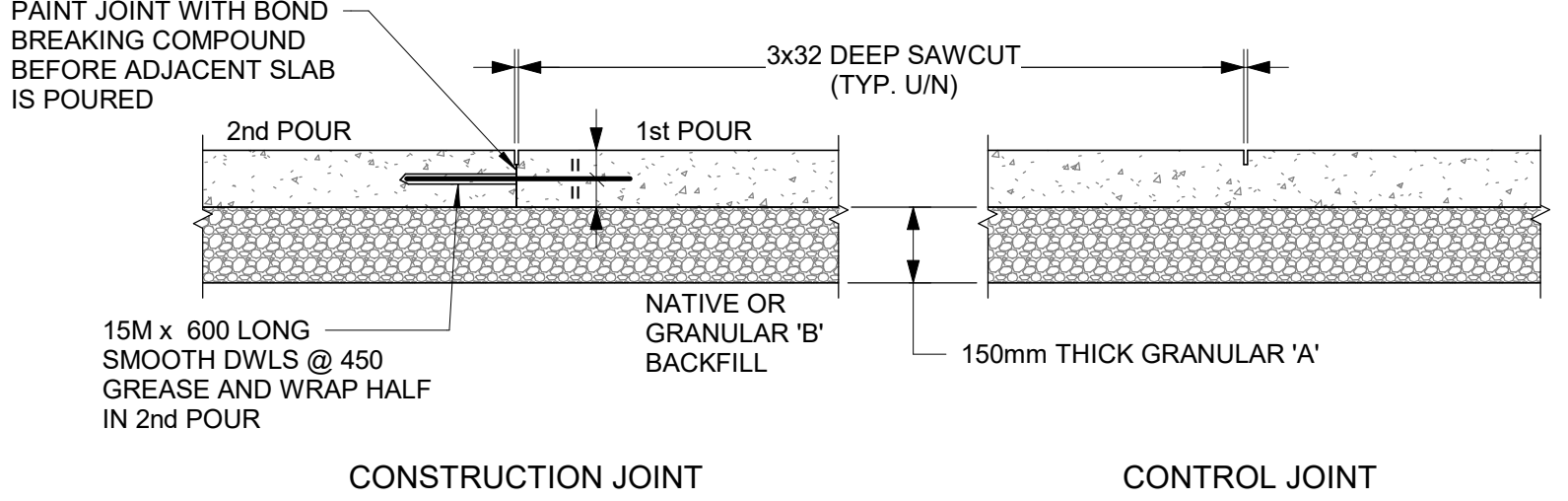
SHEET NUMBER <b>D1908</b>	ISSUE <b>A</b>
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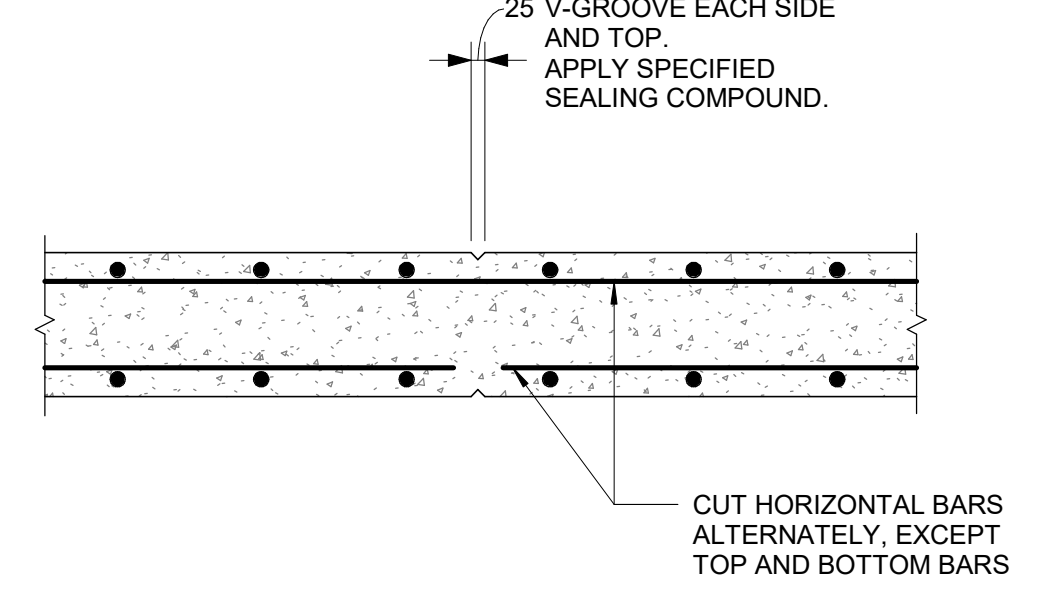
1 INTERIOR FOUNDATION WALL  
D2100 Scale: NTS



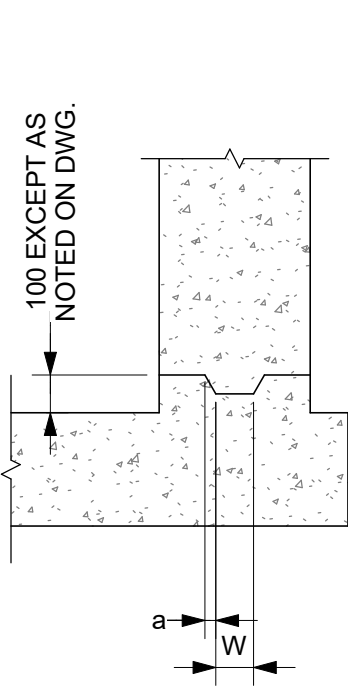
2 NEW SLAB CONNECTION TO EXISTING SLAB  
D2100 Scale: NTS



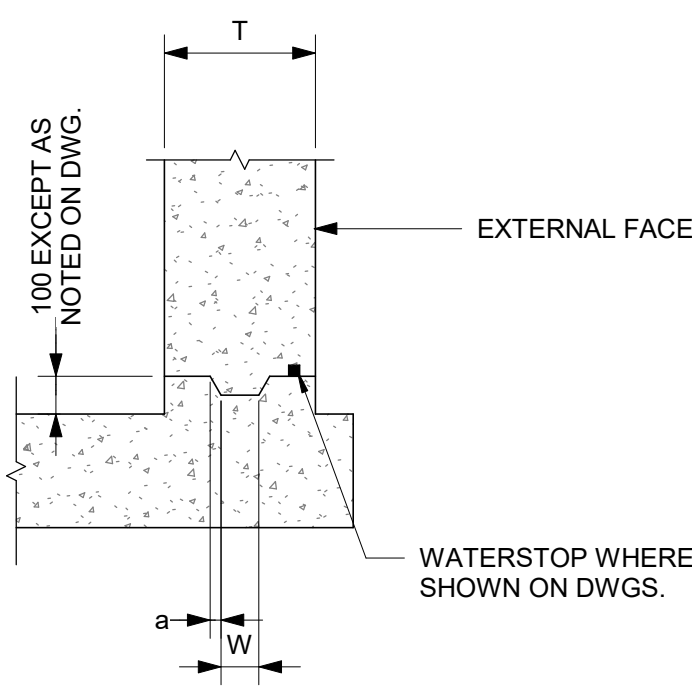
3 SLAB ON GRADE  
D2100 Scale: NTS



4 RETAINING WALL CONTROL JOINT  
D2100 Scale: 1 : 20



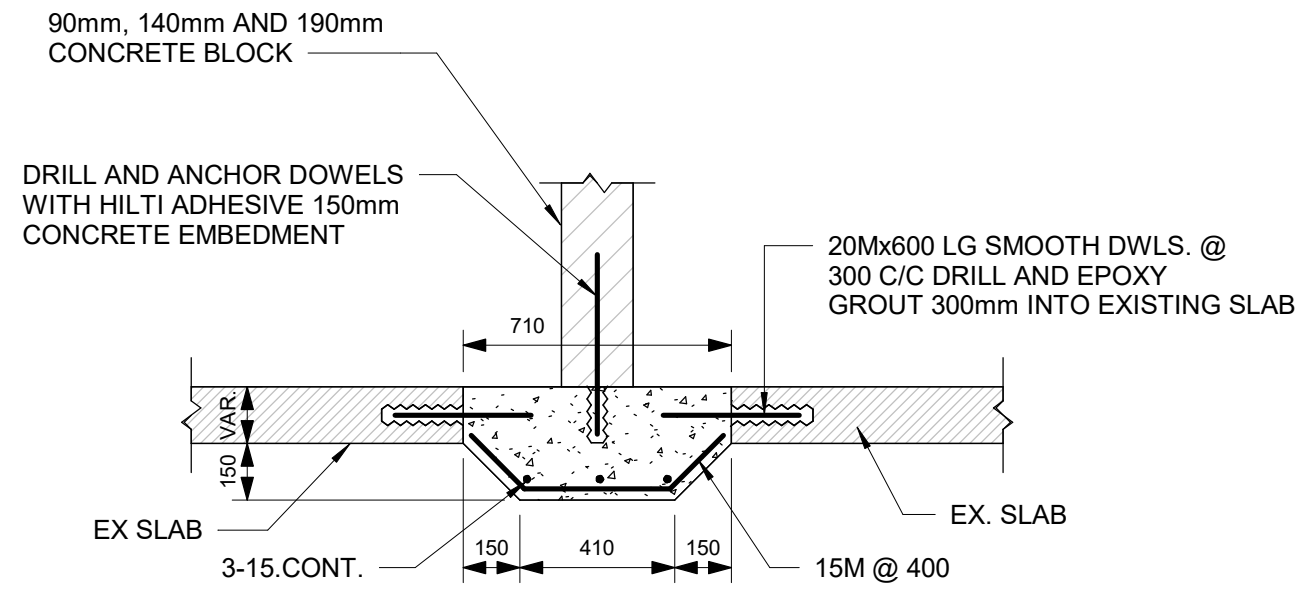
TYPE 1



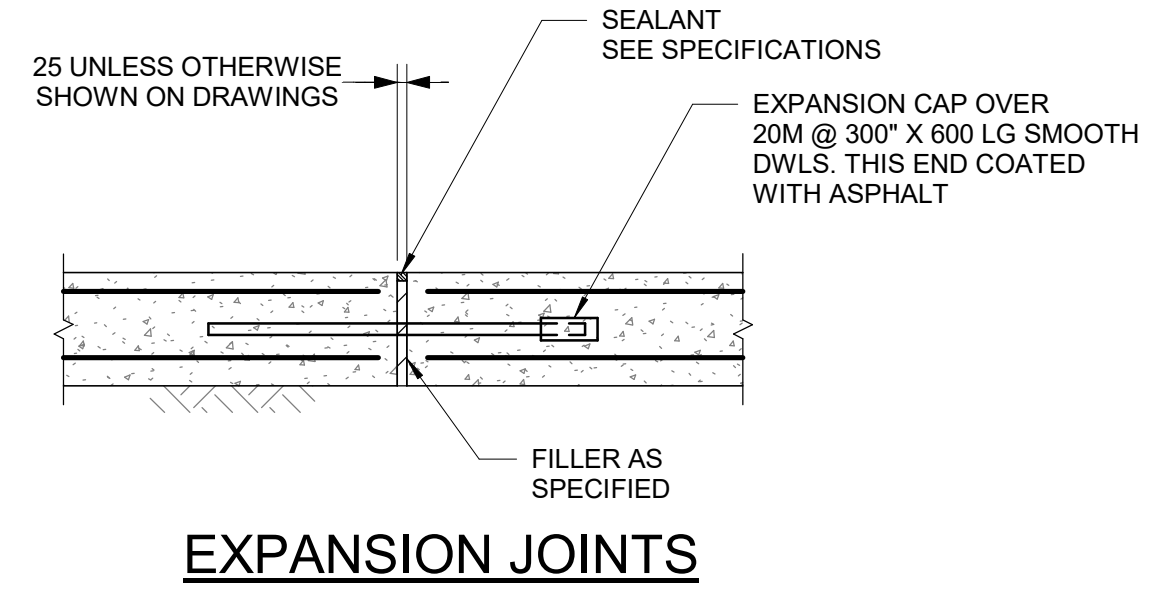
TYPE 1WS

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

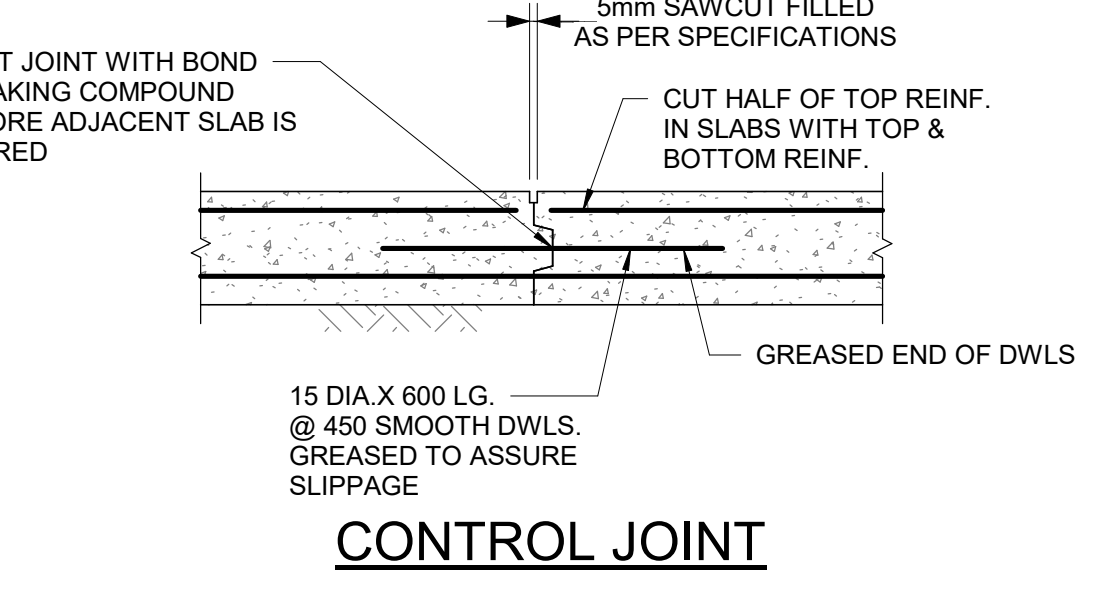
5 TYPICAL CONSTRUCTION JOINT AT EXTERIOR WALL  
D2100 Scale: 1 : 20



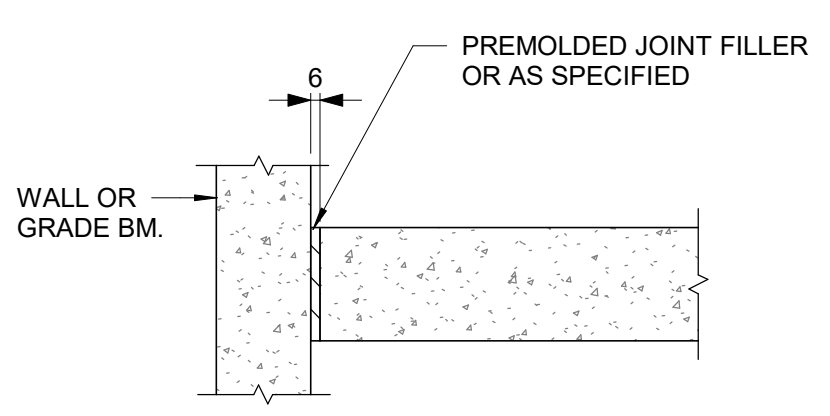
6 BLOCK WALL SLAB - THICKENING AT EXISTING SLAB  
D2100 Scale: 1 : 20



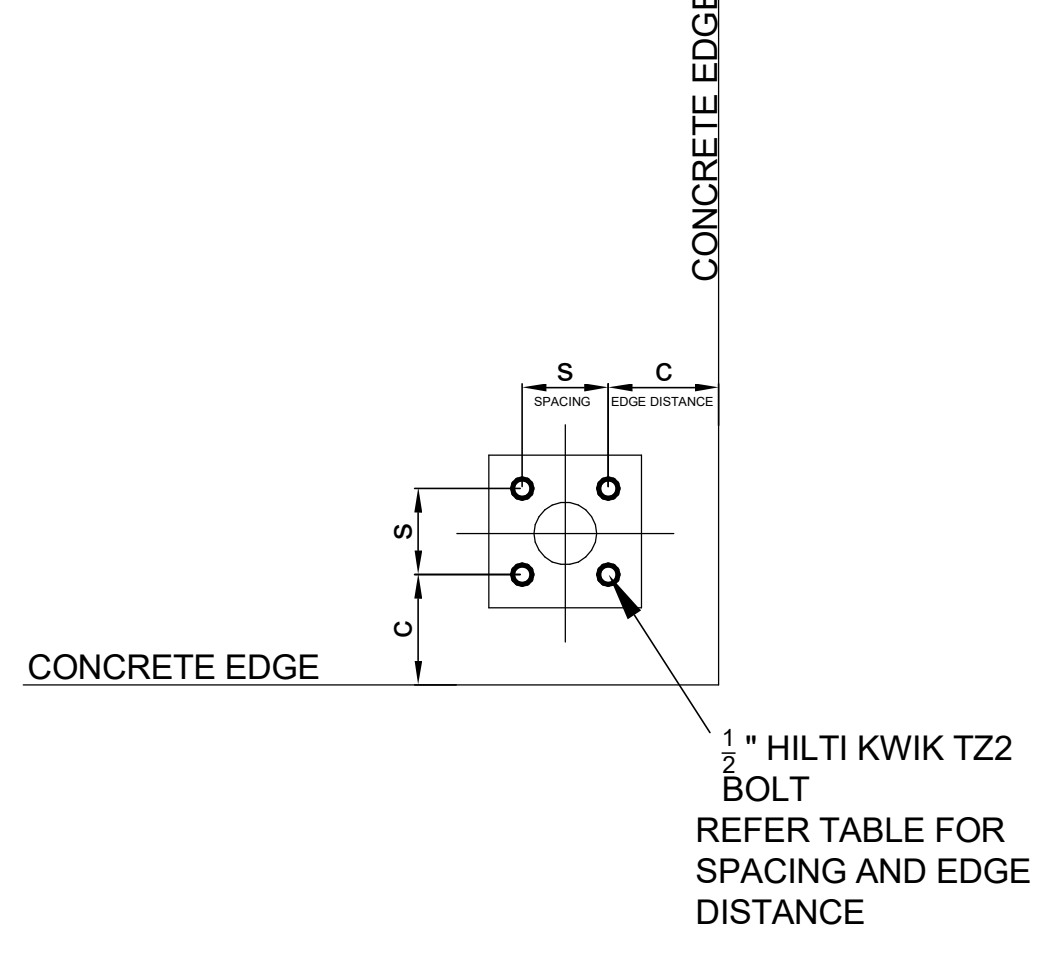
7 FLOOR JOINTS  
D2100 Scale: 1 : 20



CONTROL JOINT



ISOLATION JOINT



8 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 <sub>MIN1</sub>	FOR SPACING S <sub>MIN1</sub>	MIN EDGE DIST. C <sub>MIN2</sub>	FOR SPACING S <sub>MIN2</sub>
200	83	57	133	121	51
150	64	70	248	203	76
125	51	70	140	254	89
100	38	203	305	203	305

ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2022-04-27
B	90% SUBMISSION	2022-07-29
C	ISSUED FOR PERMIT	2022-07-29
D	ISSUED FOR TENDER	2022-12-09
E	ISSUED FOR TENDER	2025-04-11

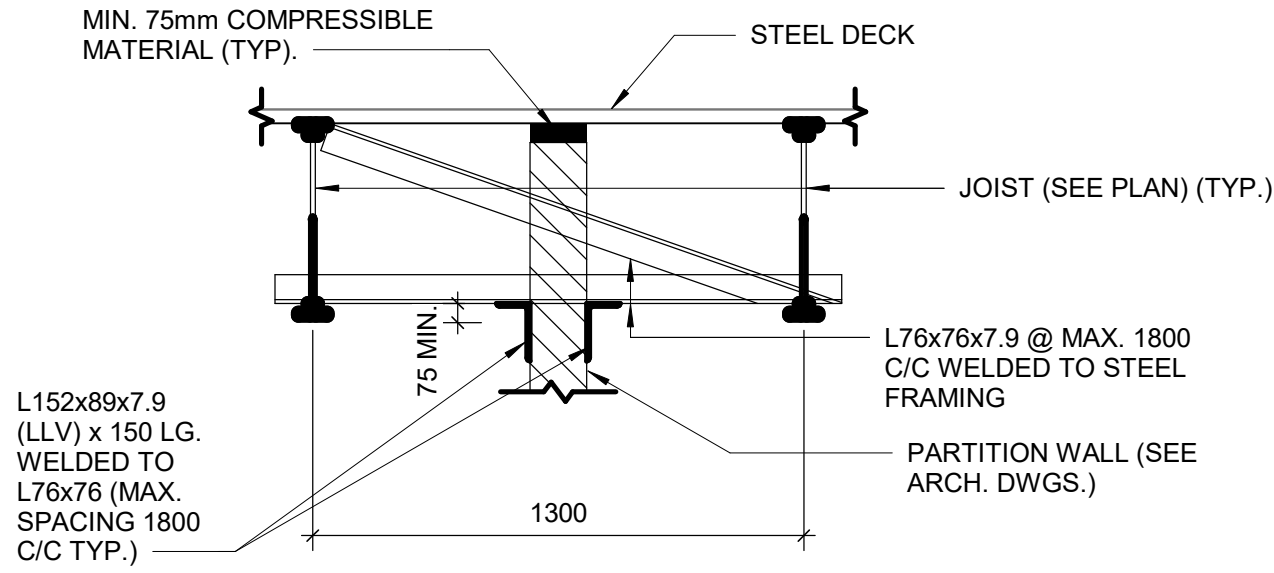
CONSULTANTS

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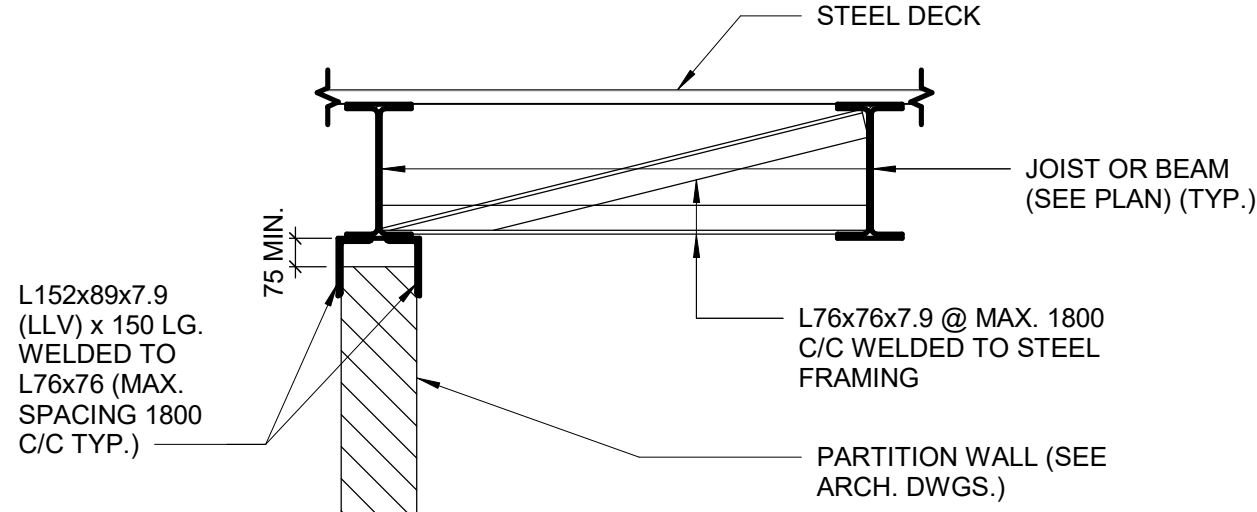
PROJECT ADDRESS



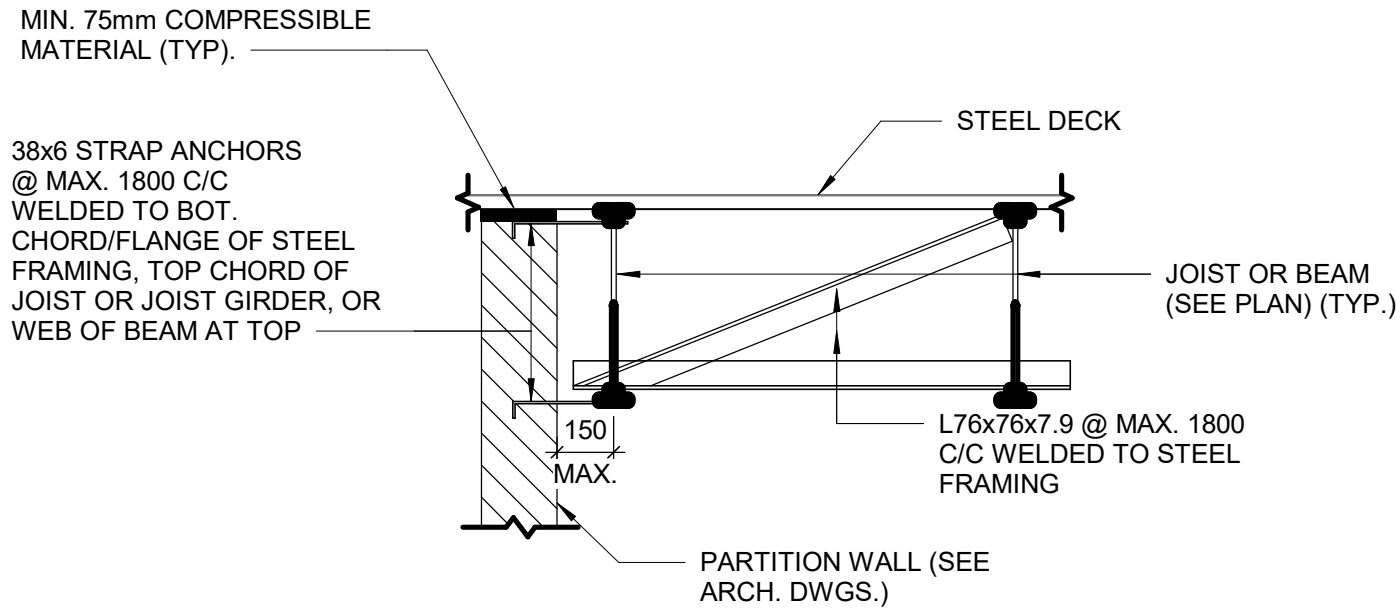
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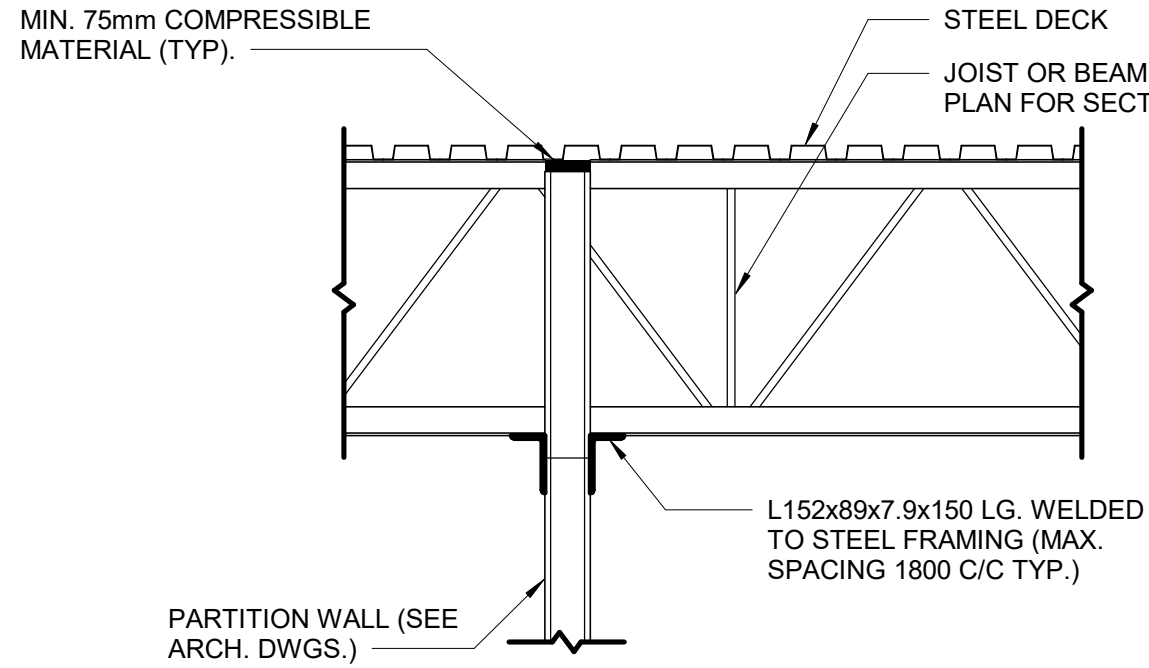
1 PARTITION WALL BETWEEN JOIST  
D2200 Scale: 1 : 20



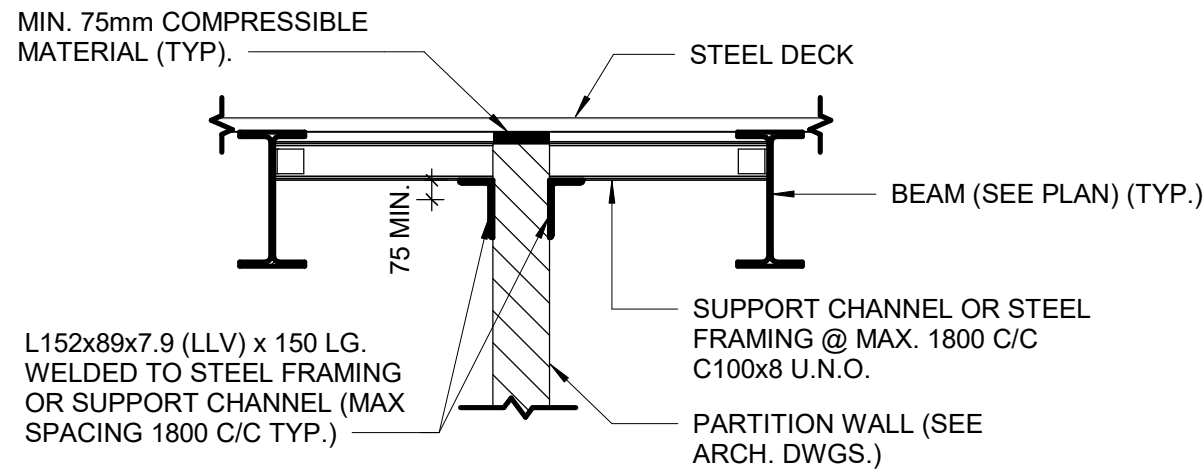
2 PARTITION WALL PARALLEL TO AND CENTERED ON JOIST OR BEAM  
D2200 Scale: 1 : 20



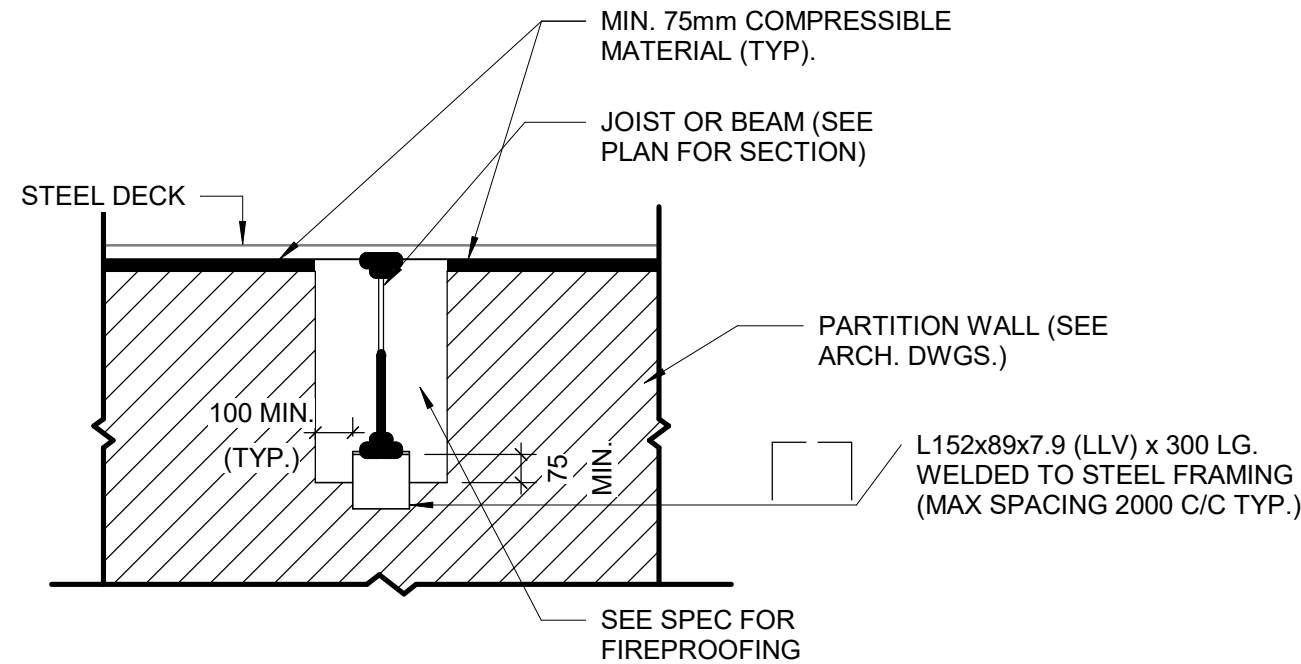
3 PARTITION WALL PARALLEL TO JOISTS OR BEAM  
D2200 Scale: 1 : 20



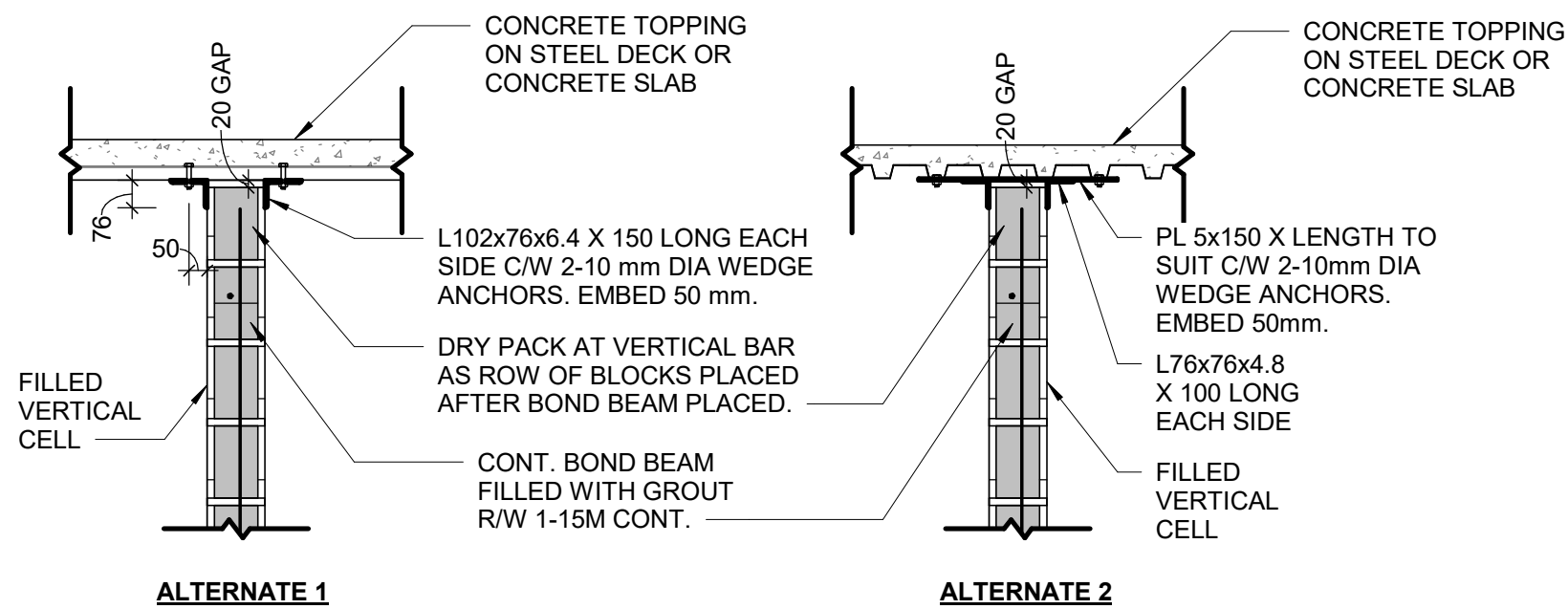
4 PARTITION WALL PERPENDICULAR TO JOIST OR BEAM  
D2200 Scale: 1 : 20



5 PARTITION WALL BETWEEN BEAMS  
D2200 Scale: 1 : 20

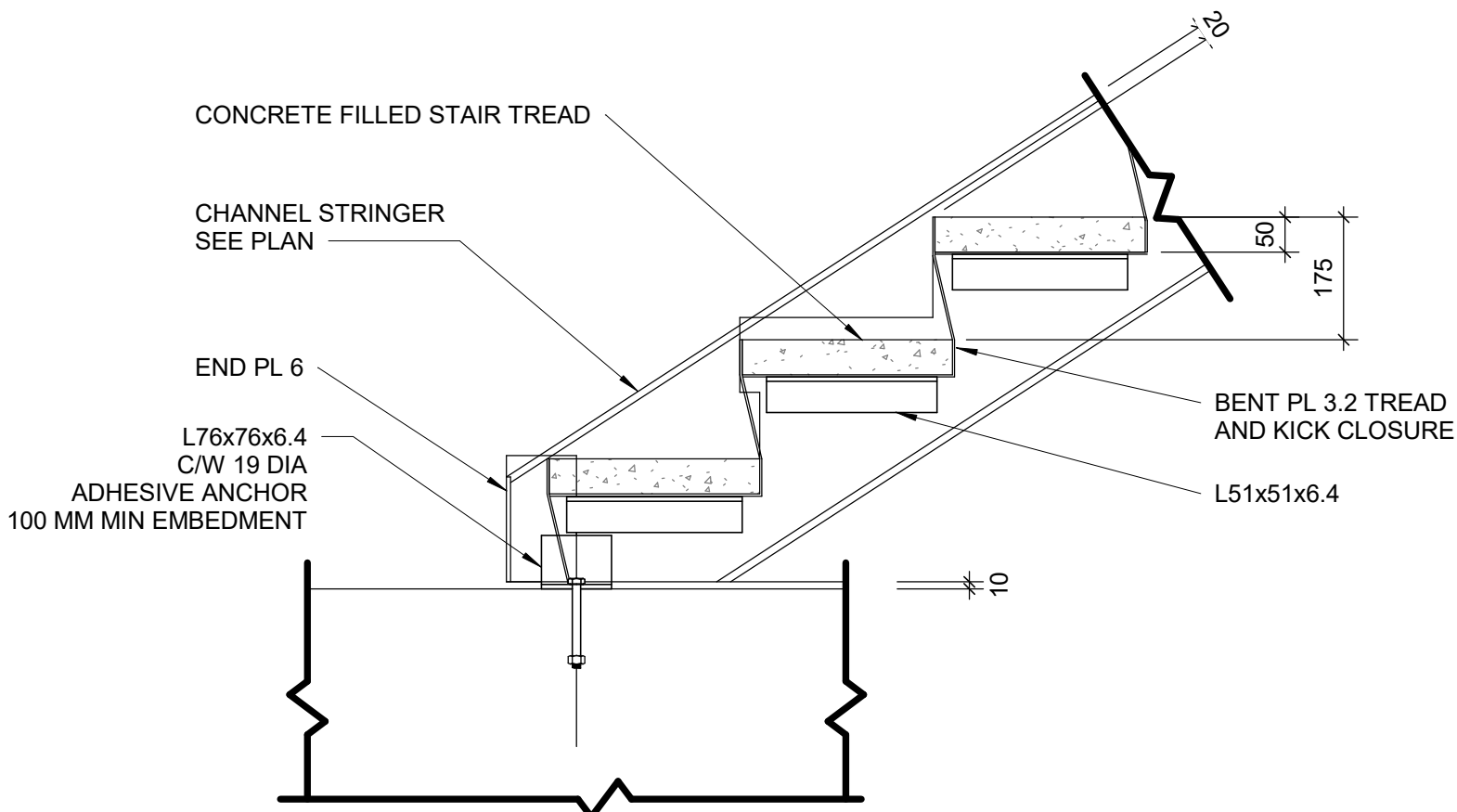


6 PARTITION PERPENDICULAR TO JOIST OR BEAMS  
D2200 Scale: 1 : 20

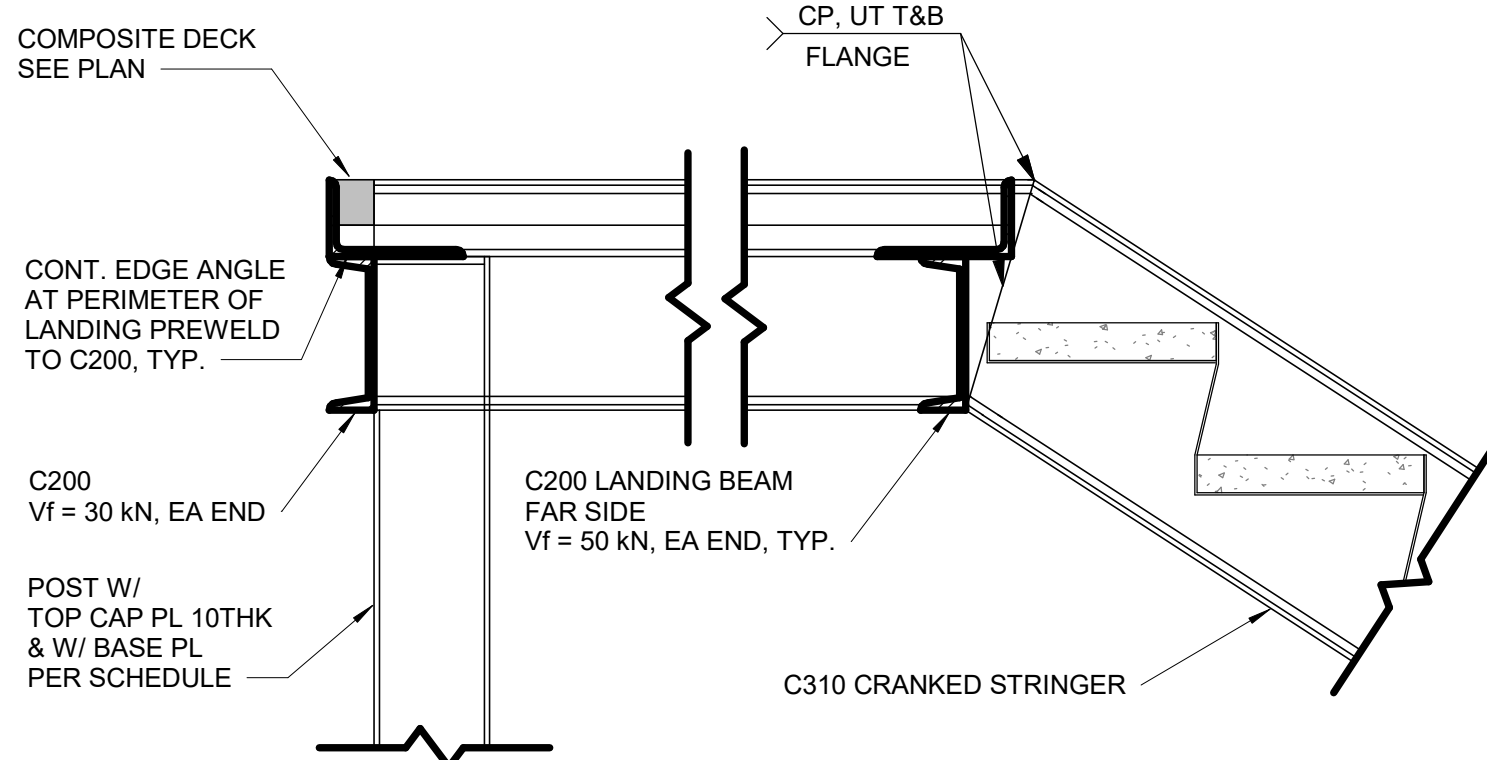


NOTES:  
1. ALL CONNECTIONS TO BE AT FILLED VERTICAL CELLS AT 1200 mm O/C MAXIMUM UNLESS NOTED OTHERWISE.  
2. FIELD WELD ANGLES TO EMBEDDED PLATE.

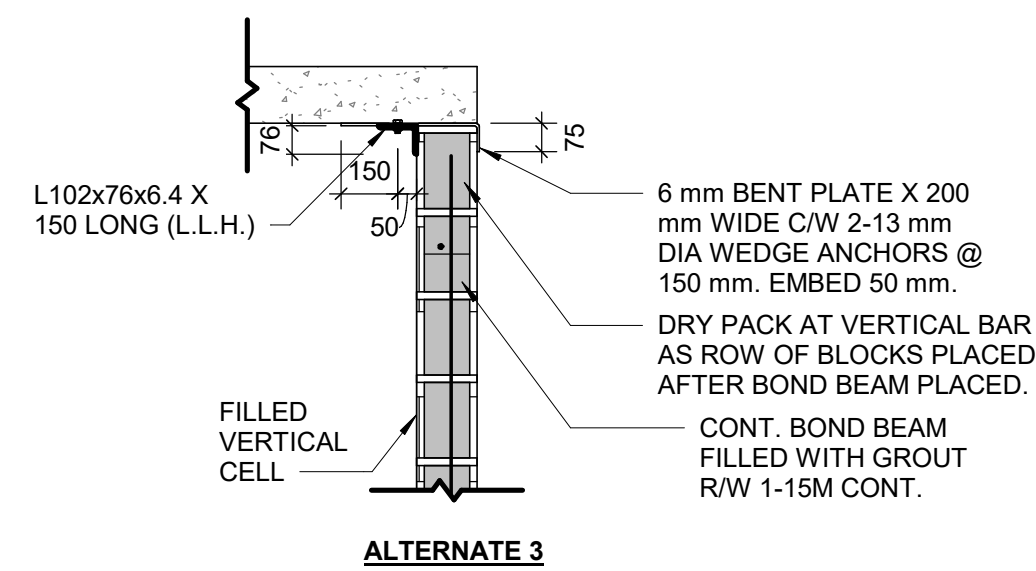
7 SUPPORT DETAIL AT TOP OF BLOCK WALL  
D2200 Scale: 1 : 20



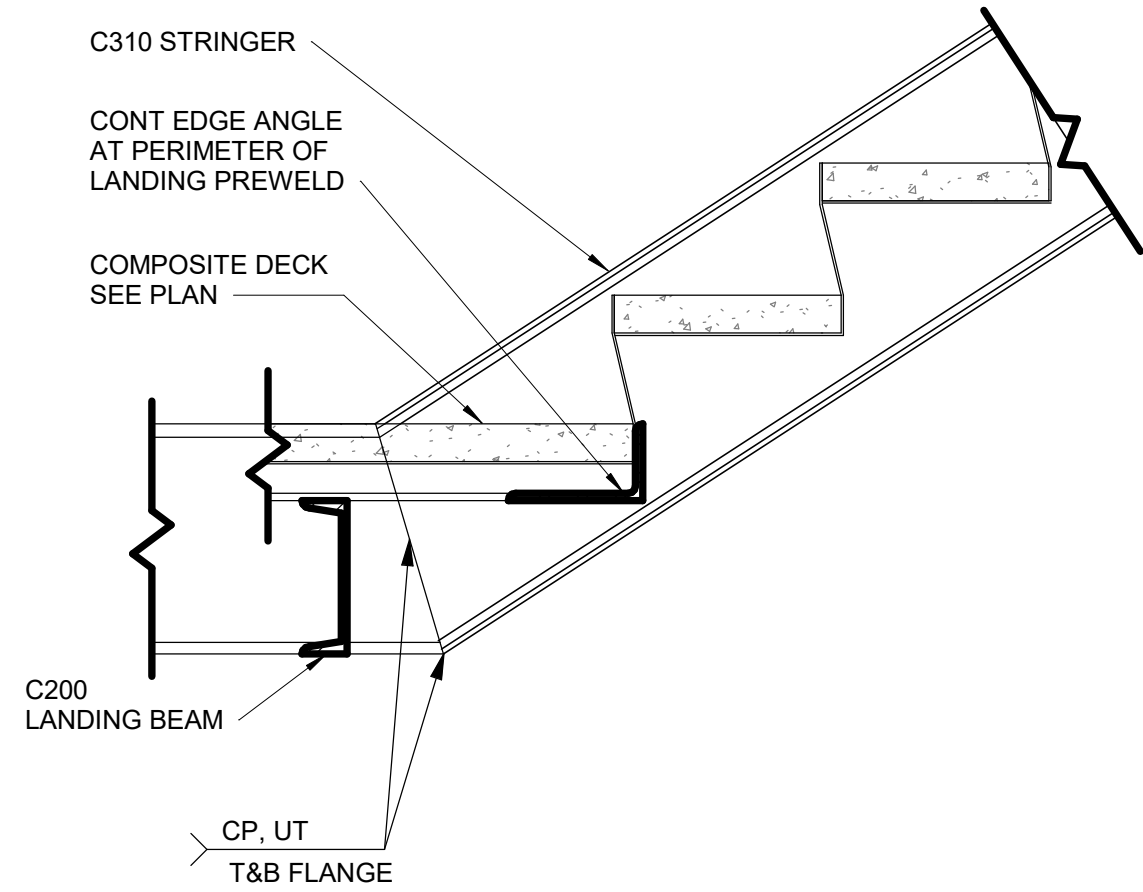
8 TYPICAL SLAB UNDER STRINGER  
D2200 Scale: 1 : 10



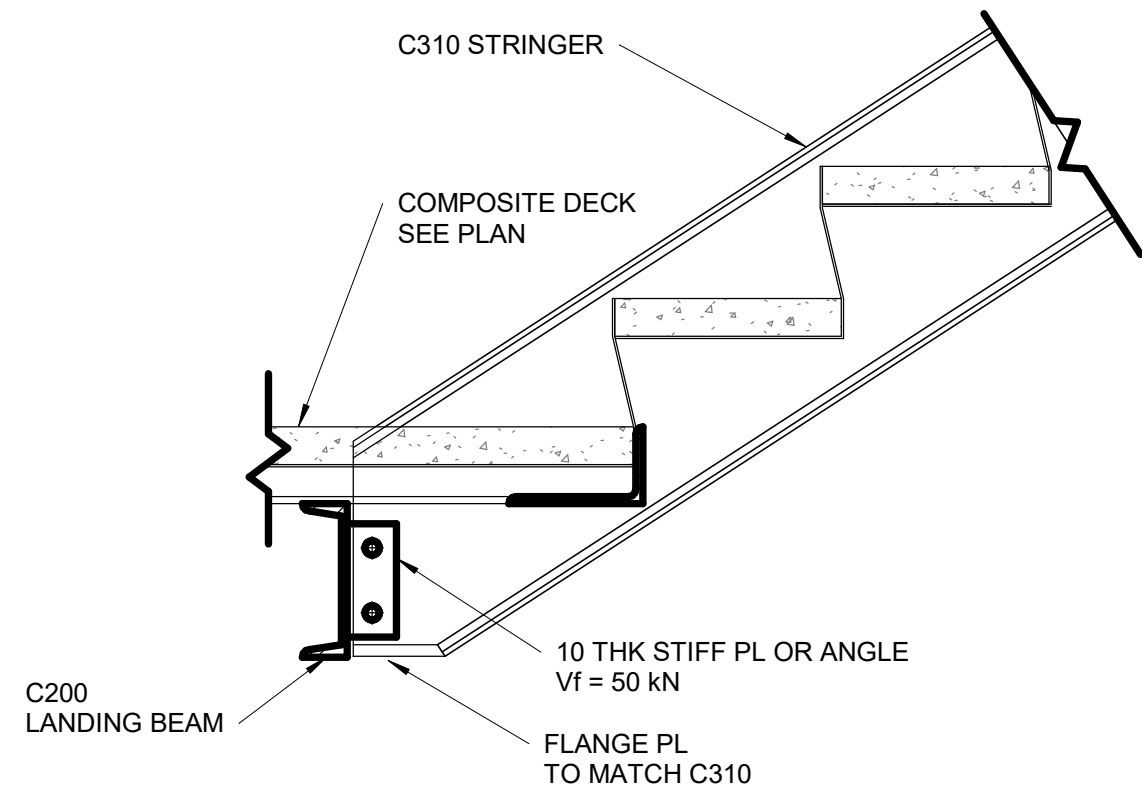
9 TYPICAL SECTION AT UPPER LANDING STRINGER  
D2200 Scale: 1 : 10



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



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



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

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ISSUES		
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A	50% SUBMISSION	2022-04-27
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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
**G. POULOU**

CHECKED BY:  
**M. FAYAZI**

PROJECT MGR:

**N. FRISCIC**

APPROVED BY:

**K. ANGER**

SHEET TITLE  
**STRUCTURAL STEEL  
DETAILS - 1**

SHEET NUMBER

**G05-D2200**

ISSUE

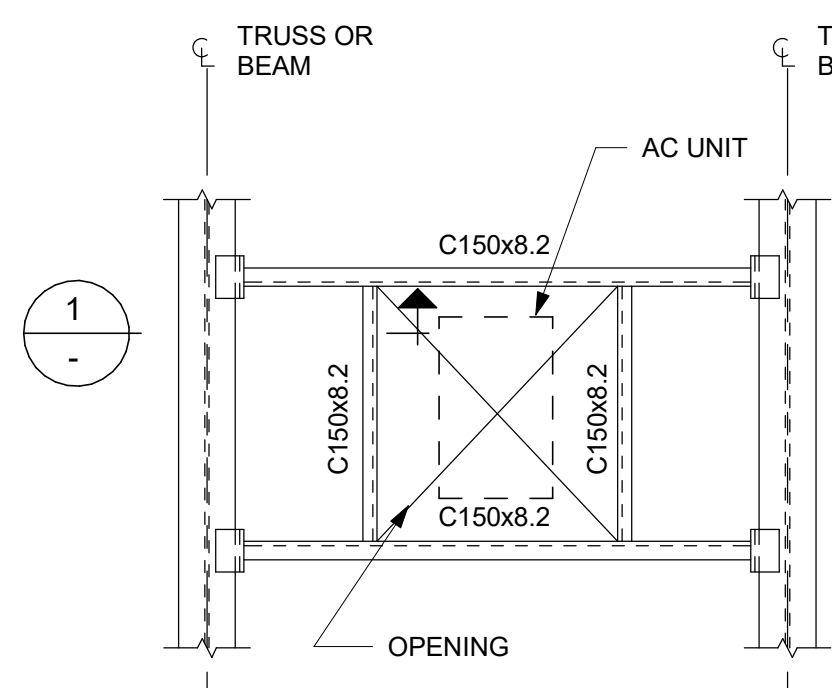
**E**

Autodesk Docs // 122260 - Cot TAU Upgrades R2024122260-TAU-G05-Details-R20.rvt

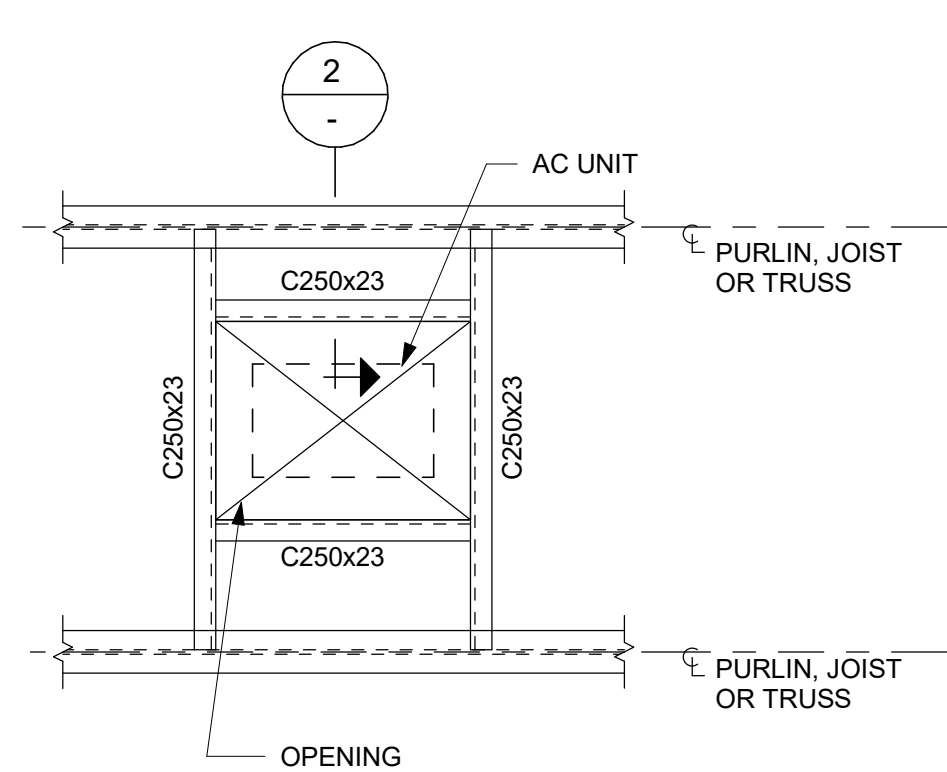
10mm

SCALE CHECK  
1 in

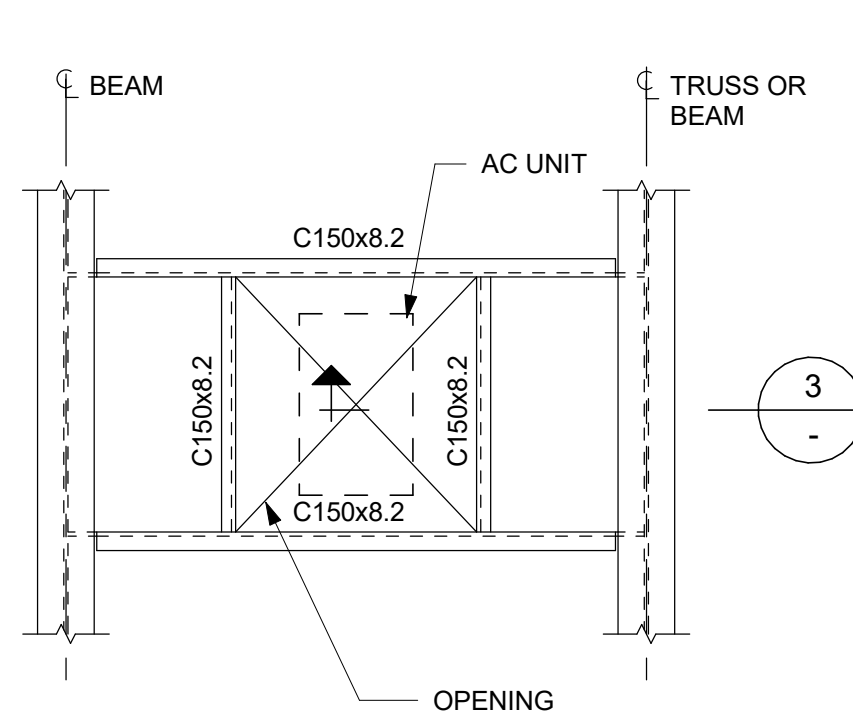




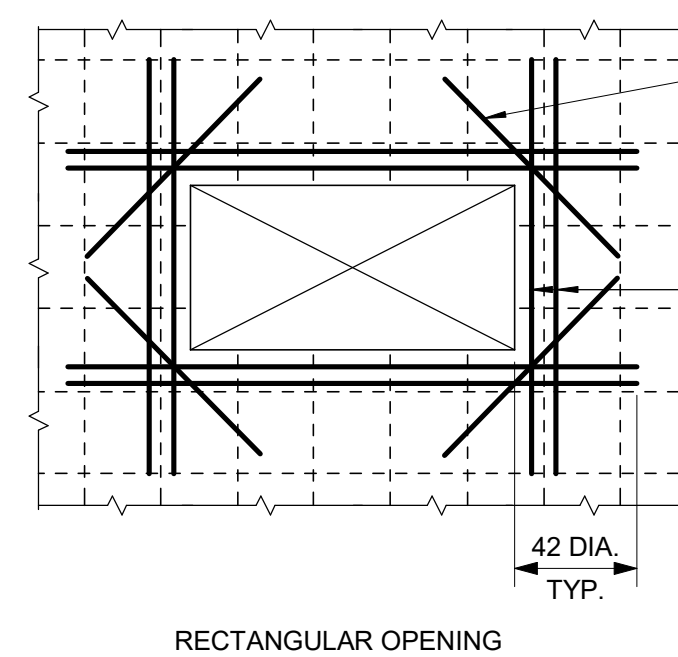
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FRAME TYPE "B"



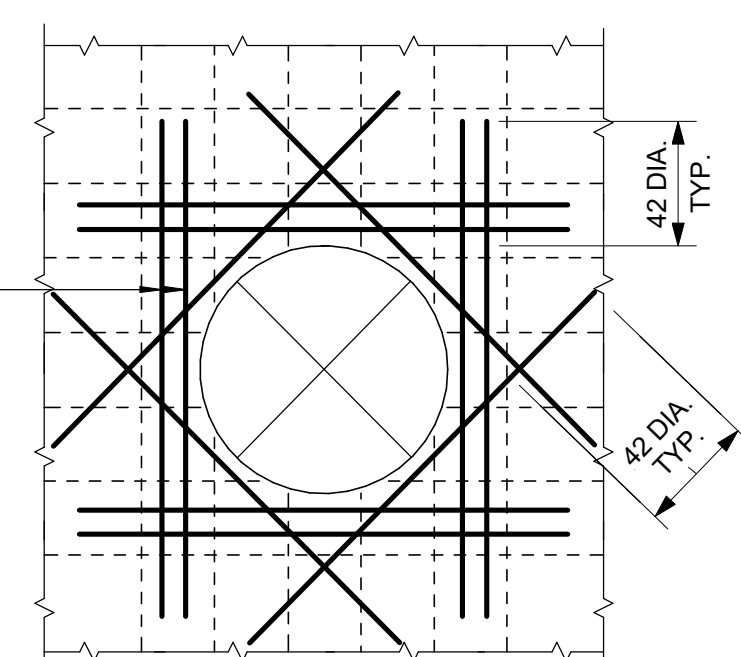
FRAME TYPE "C"



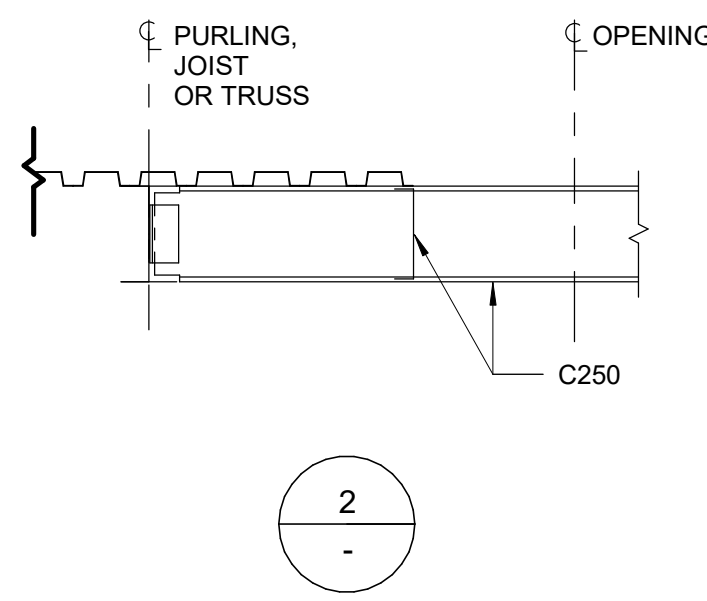
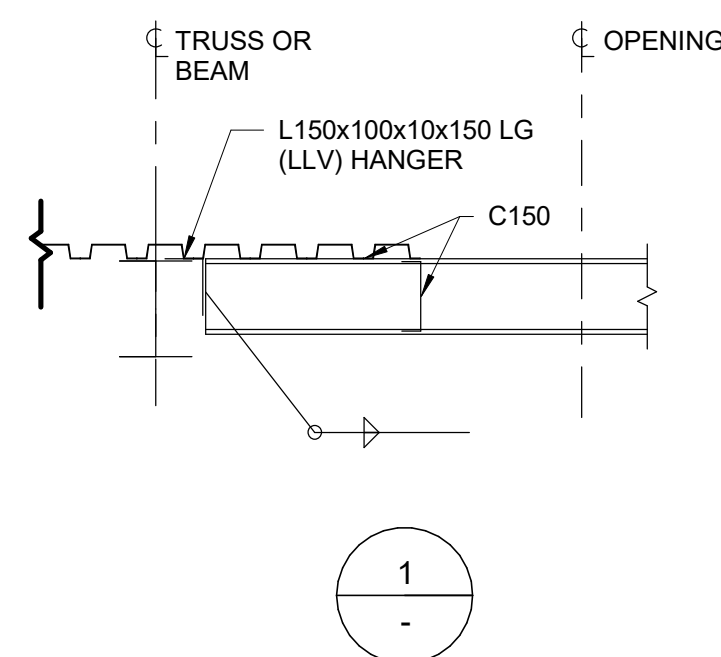
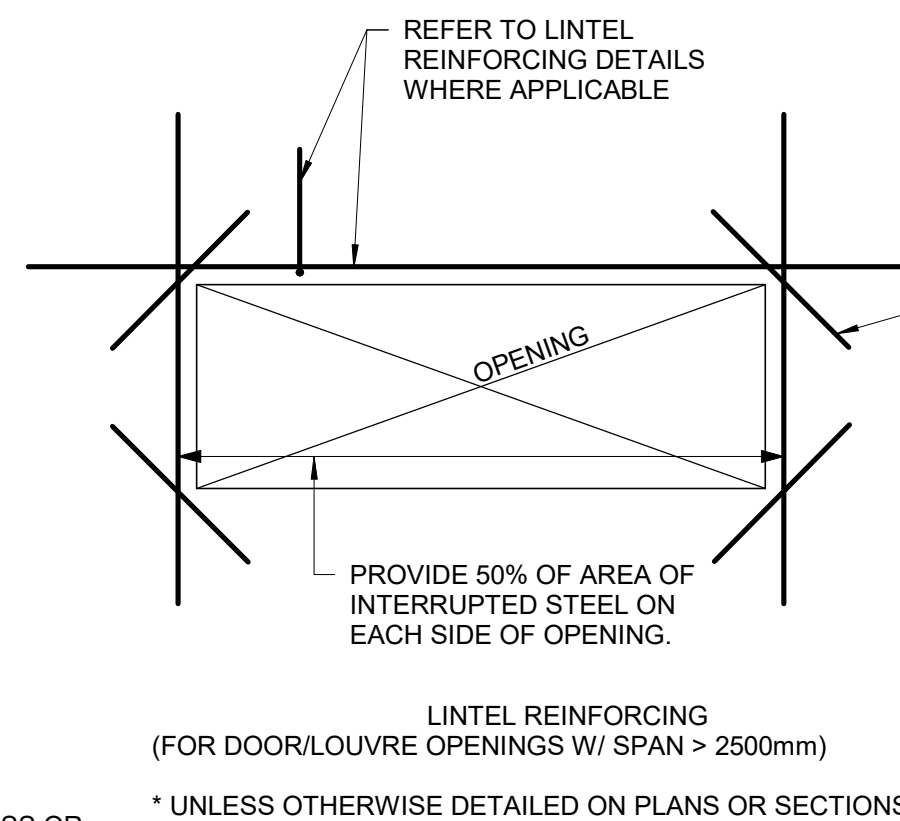
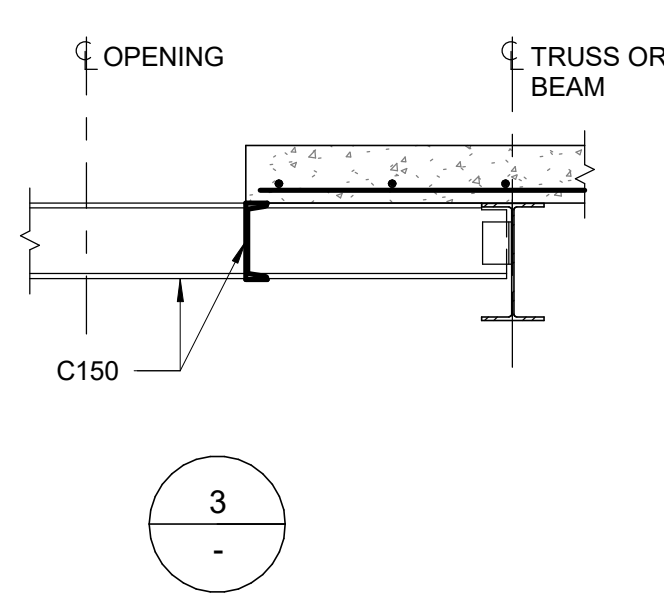
RECTANGULAR OPENING

## NOTES:

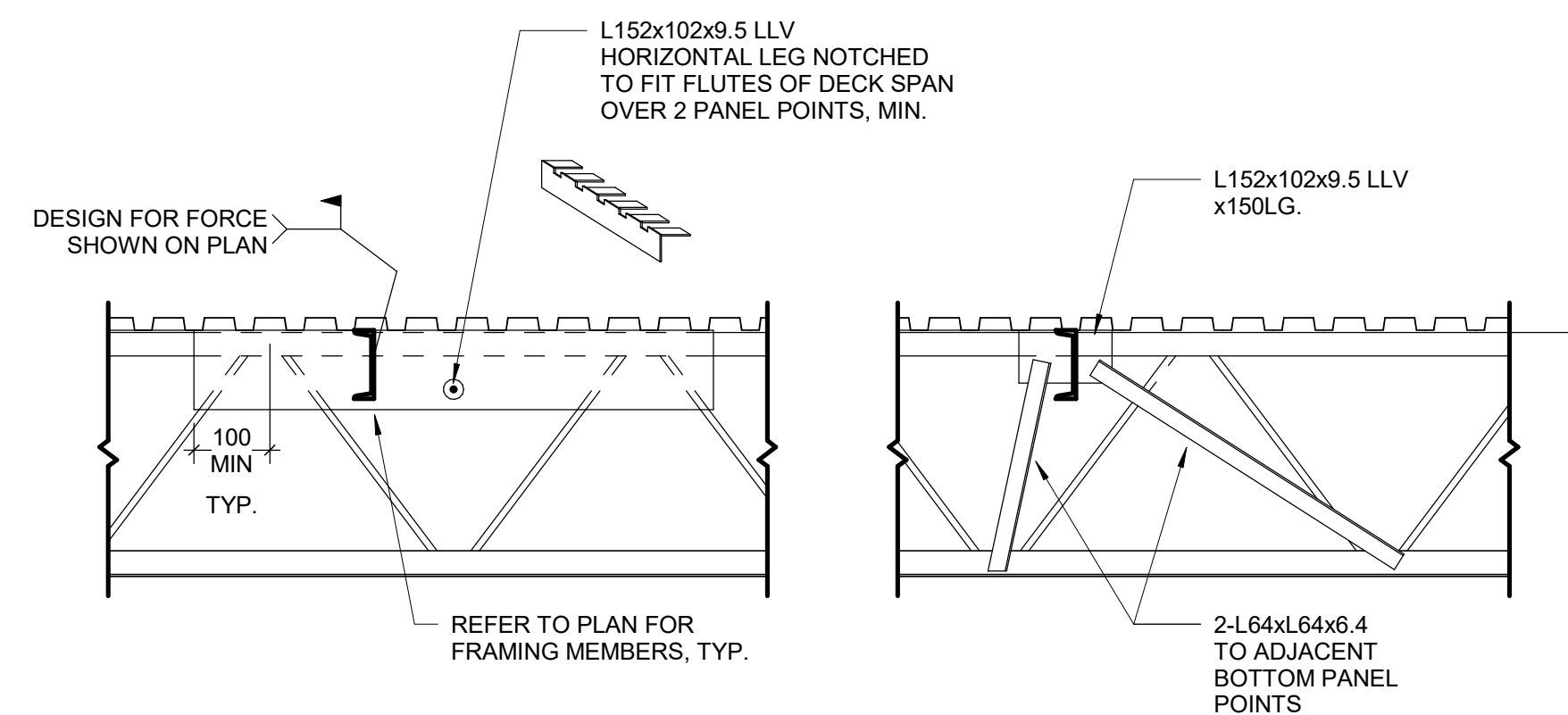
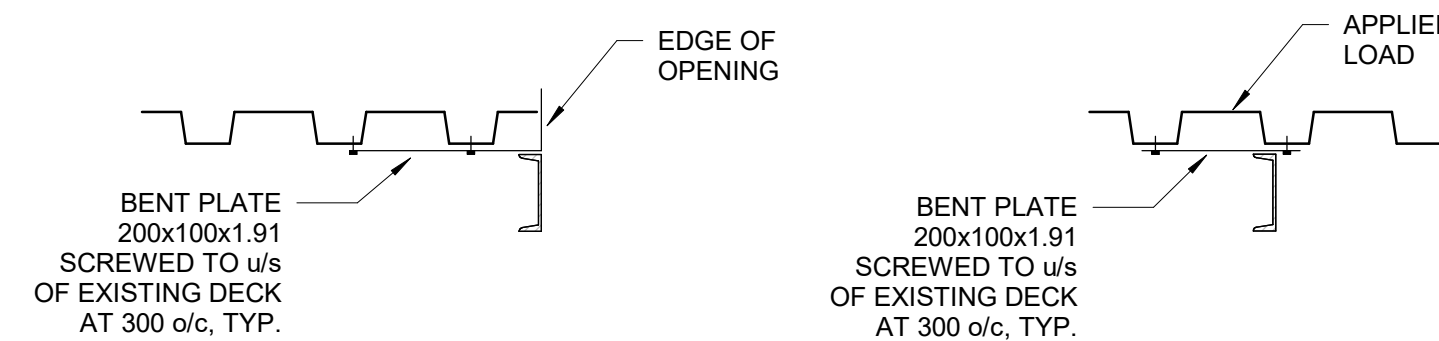
1. UNLESS NOTED OTHERWISE ON PLANS AND SECTION, REINFORCE AROUND OPENINGS AS SHOWN. DO NOT MAKE OPENINGS LARGER THAN THE MAXIMUM DIMENSIONS NOTED BELOW WITHOUT PRIOR REVIEW FROM THE ENGINEER OF RECORD, UNLESS NOTED ON STRUCTURAL DRAWINGS.
2. MAXIMUM SLAB OPENING SIZE IS 2500mm SQUARE OR ROUND U/N ON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



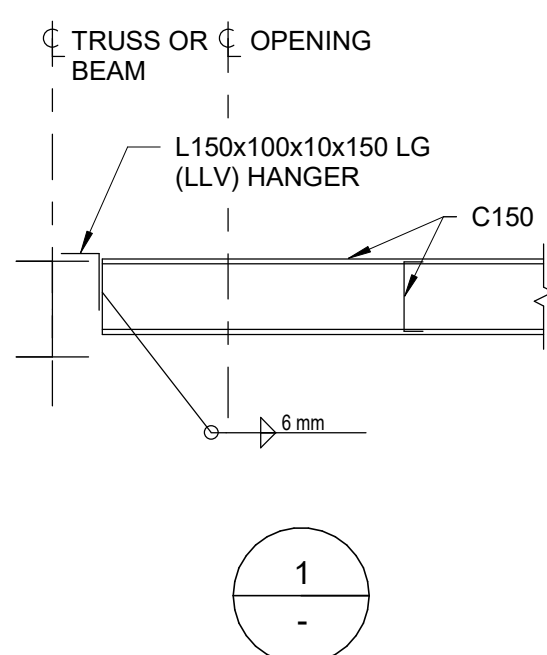
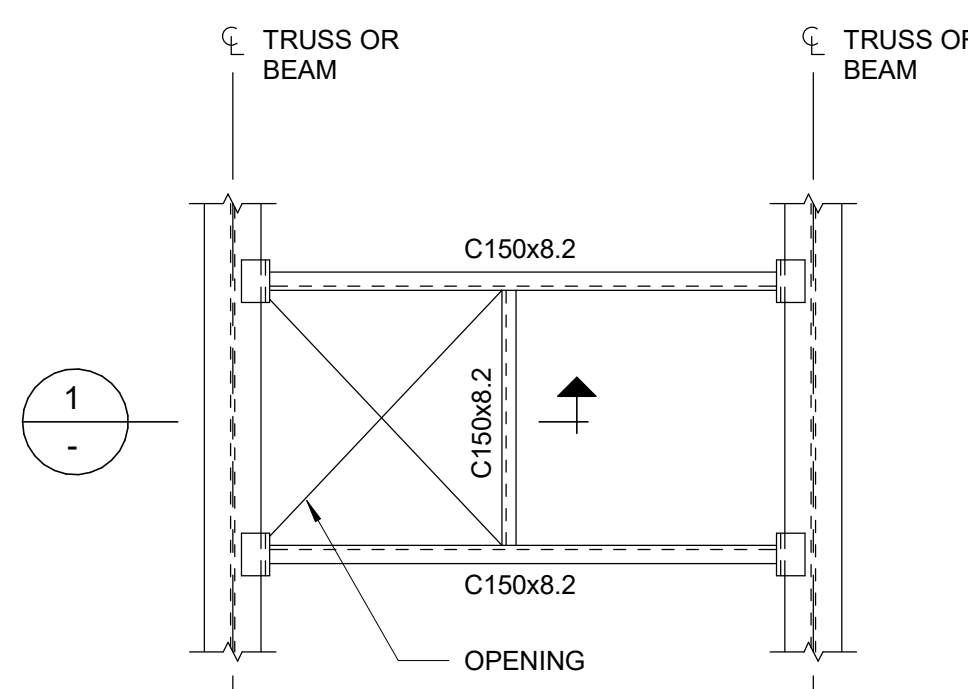
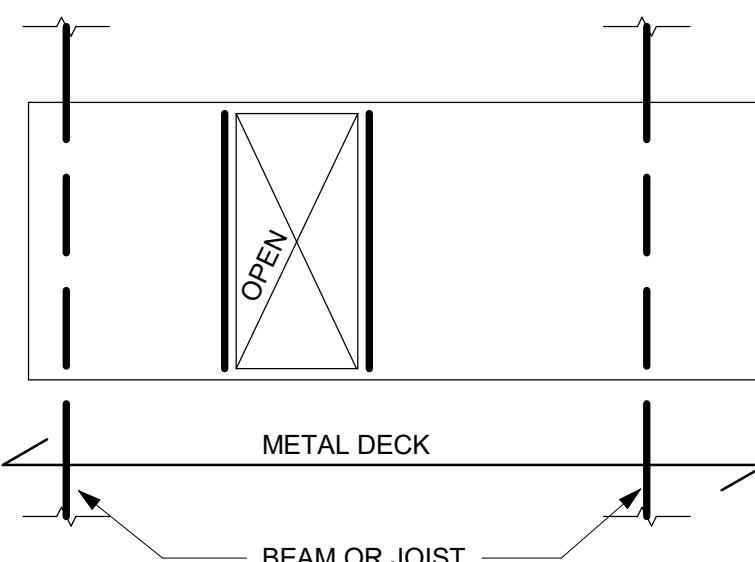
CIRCULAR OPENING

1 TYPICAL ROOF OPENING  
D2201 Scale: 1 : 20

\* UNLESS OTHERWISE DETAILED ON PLANS OR SECTIONS

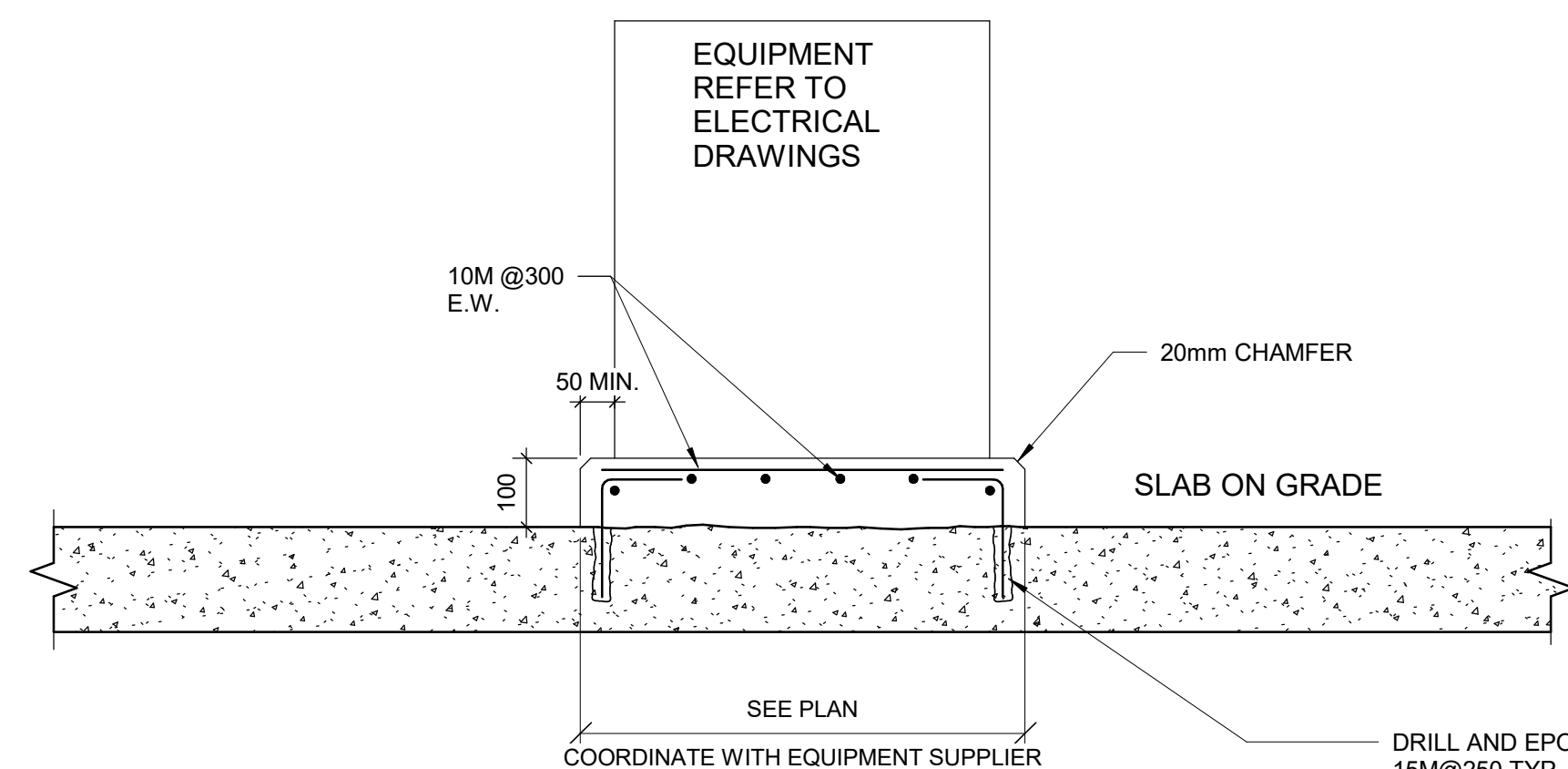
2 ADD'L REINF. TO OPENINGS IN CONC. WALLS AND SLABS  
D2201 Scale: 1 : 20DETAIL AT EXISTING JOIST  
(TWO OPTIONS SHOWN)

DETAIL AT EXISTING DECK

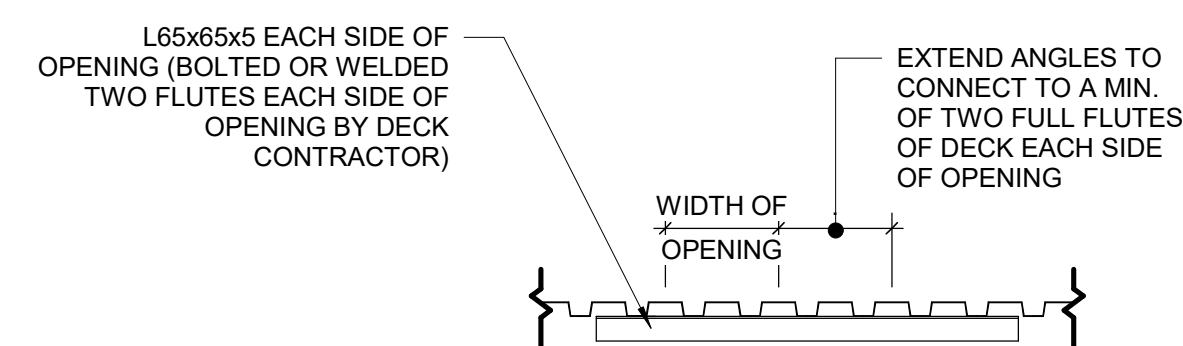
3 FRAMING INTO EXISTING STEEL JOISTS AND DECK  
D2201 Scale: 1 : 204 TAU-S-014-00 TYPICAL ROOF OPENING ADJACENT TO BEAM  
D2201 Scale: 1 : 206 OPENINGS IN METAL ROOF DECK  
D2201 Scale: 1 : 20

## 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.



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

5 TYPICAL HOUSEKEEPING PAD  
D2201 Scale: 1 : 107 METAL DECK OPENINGS 200 TO 360 WIDE  
D2201 Scale: 1 : 20

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PROJECT TITLE

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ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
**G. POULOU**

CHECKED BY:  
**M. FAYAZI**

PROJECT MGR:  
**N. FRISIC**

APPROVED BY:  
**K. ANGER**

SHEET TITLE

**STRUCTURAL STEEL  
DETAILS - 2**

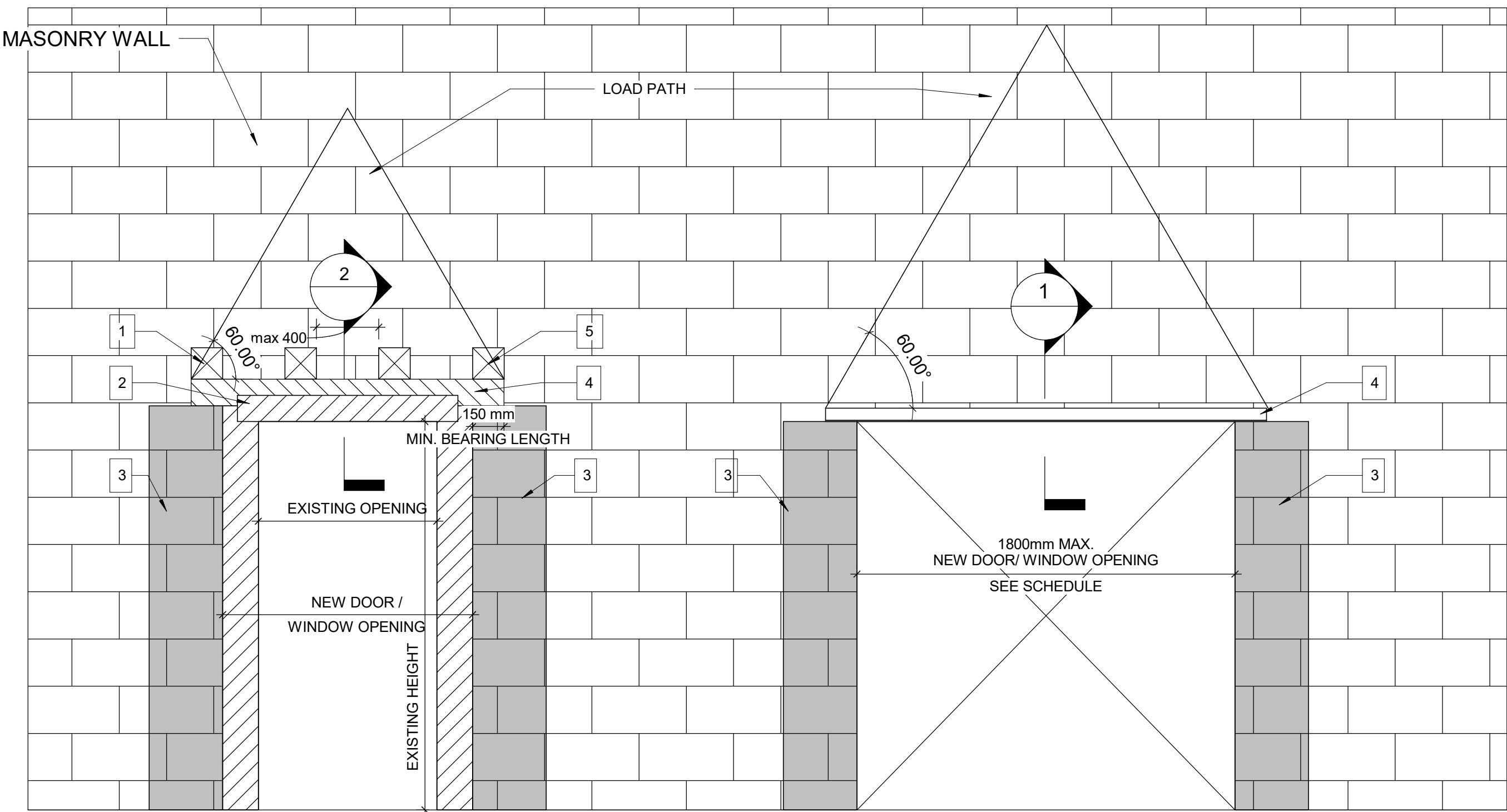
SHEET NUMBER

**G05-D2201**

ISSUE

**E**





WIDENING AN EXISTING OPENING  
IN 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

NEW DOOR/WINDOW OPENING  
INTO EXISTING MASONRY WALL TYP.

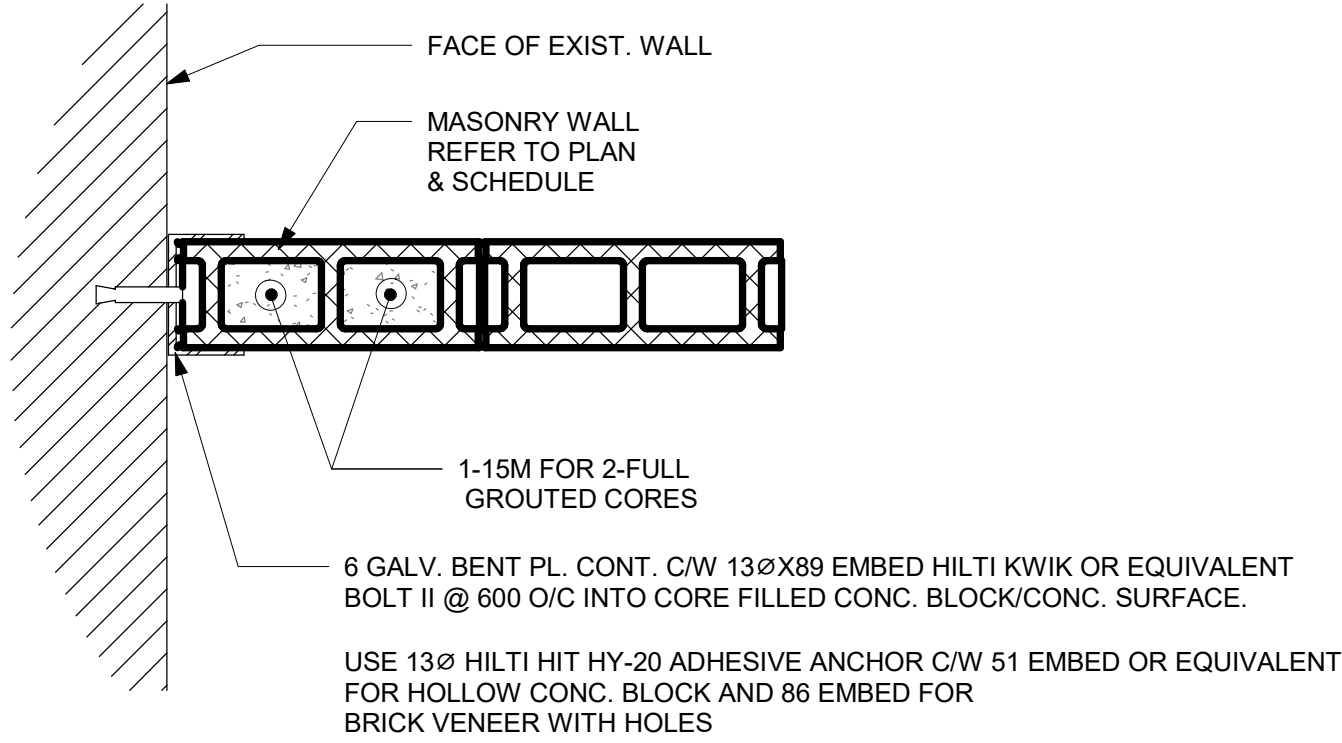
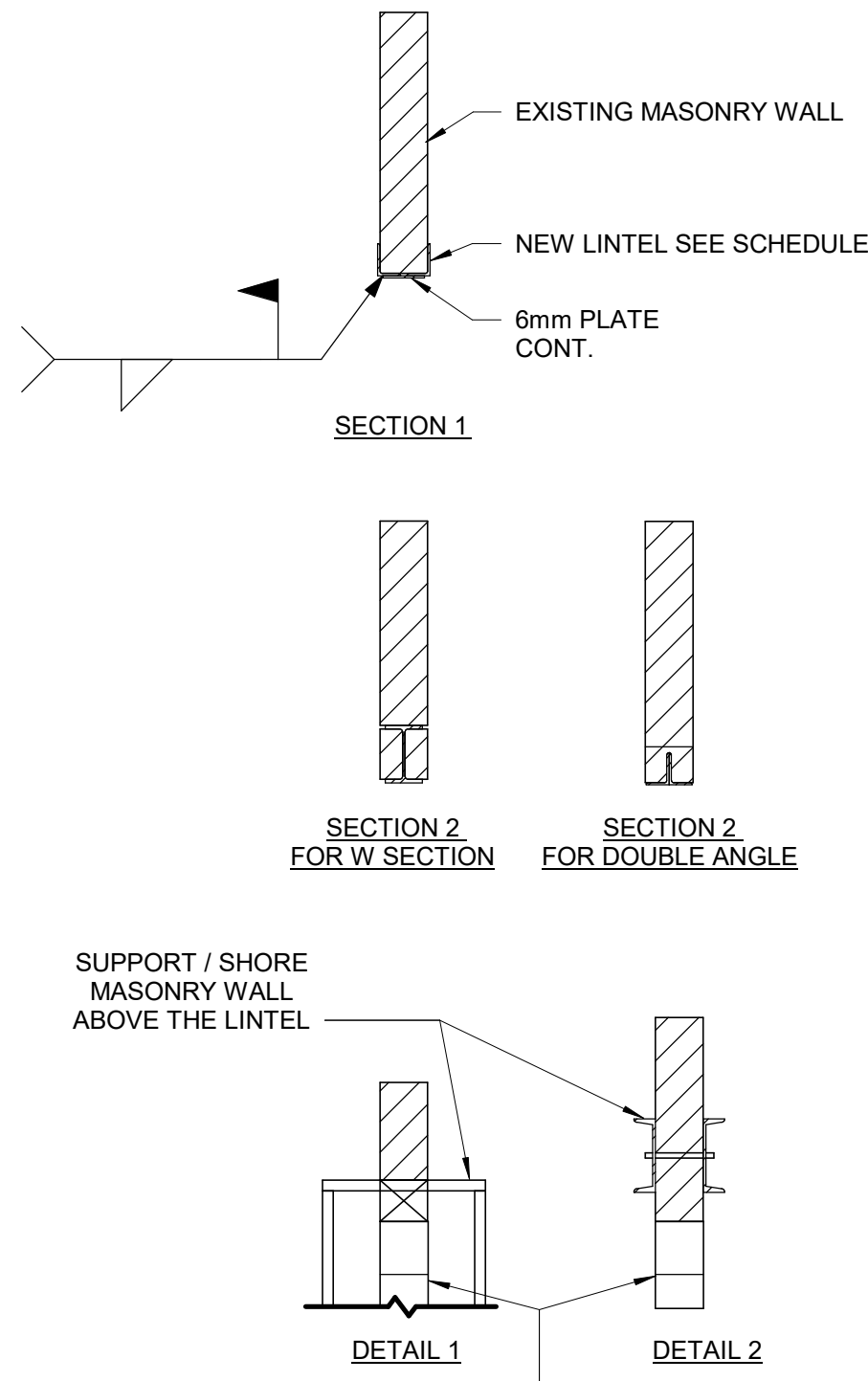
LINTEL:

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

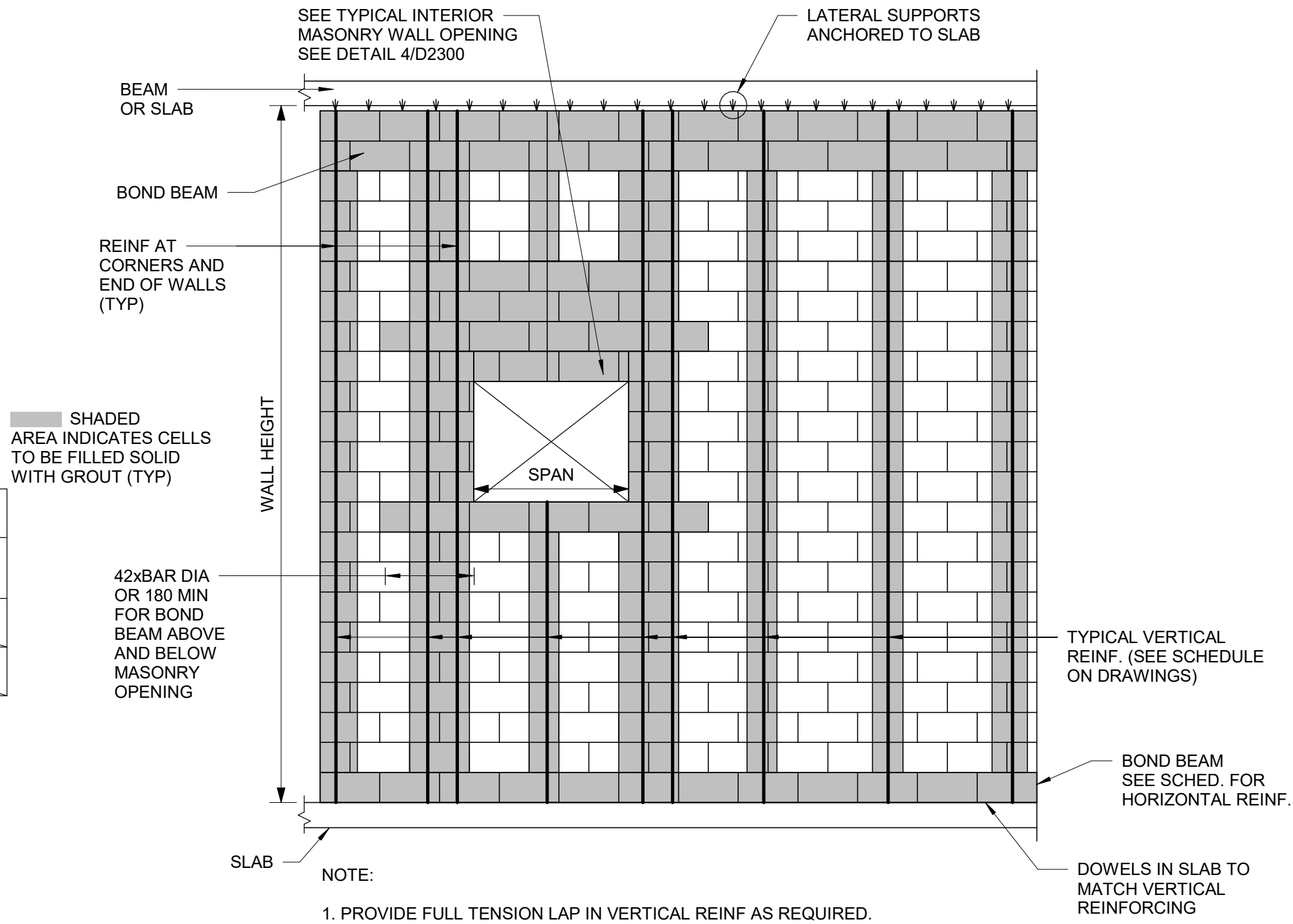
STEEL LINTELS

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

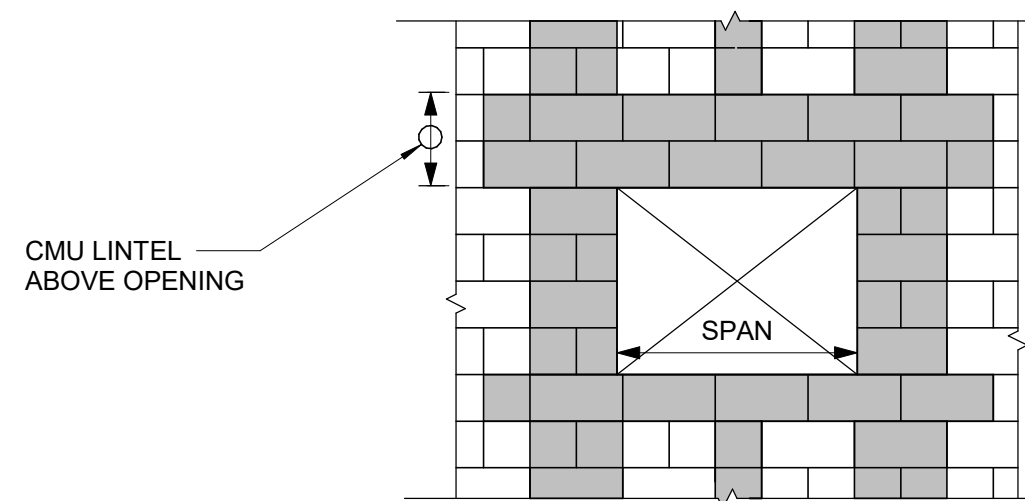
- TO INSTALL A LINTEL TO THE EXISTING BLOCK WALL FOR A NEW OPENING, CUT A GROOVE THROUGH THE EXISTING BLOCK WALL AT THE TOP OF THE NEW OPENING AND INSTALL THE ANGLE FROM ONE SIDE OF THE WALL FOR SINGLE SNGLE OR FROM BOTH SIDES OF THE WALL FOR DOUBLE ANGLE AND THEN CUT THE OPENING.
- MINIMUM BEARING FOR STEEL LINTELS SHALL BE 150mm
- ALL STEEL LINTELS AND SHELF ANGLES IN THE EXTERIOR MASONRY SHALL BE HOT DIP GALVANIZED
- THESE LINTELS ARE FOR NON-LOAD BEARING WALLS. VERIFY THE WALLS DO NOT SUPPORT FLOOR OR ROOF FRAMING. DO NOT IN LOAD BEARING WALLS UNLESS REVIEWED BY THE CONSULT.
- VERIFY THE FOLLOWING:
  - I) NO CONTROL OR MOVEMENT JOINTS ABOVE THE LINTEL AND/OR BEYOND THE 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 MASONRY WALL OPENING OR NEW OPENING IN EXISTING MASONRY WALL  
D2300 Scale: 1 : 20

ISSUES		
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E	ISSUED FOR TENDER	2025-04-11

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ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

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9119- 19- 0162 / Arcadis 30279056

DRAWN BY:

**G. POULOU**

CHECKED BY:

**M. FAYAZI**

PROJECT MGR:

**N. FRISCIC**

APPROVED BY:

**K. ANGER**

SHEET TITLE  
**MASONRY DETAILS**

SHEET NUMBER

**G05-D2300**

ISSUE

**E**

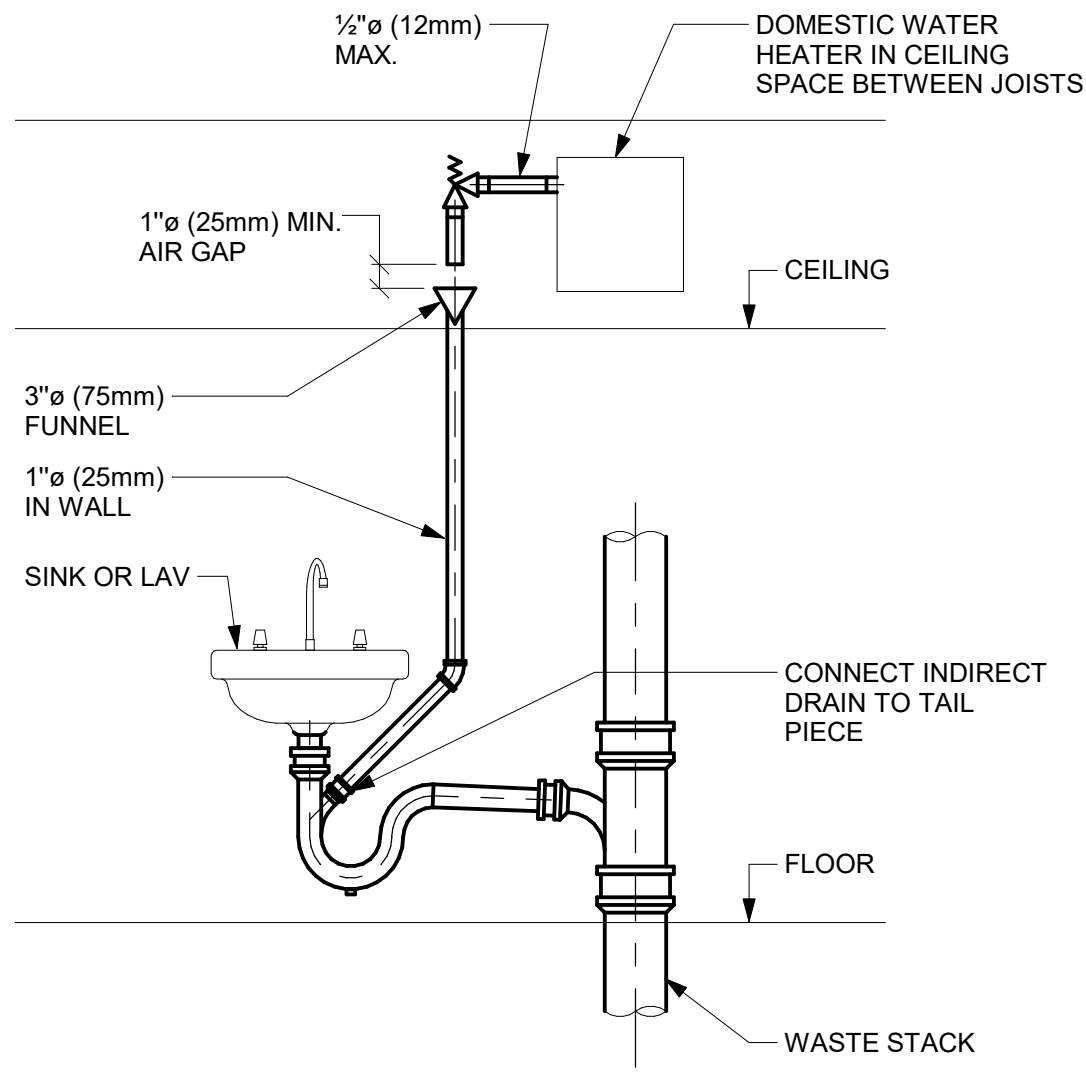
PLUMBING FIXTURE SCHEDULE

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	

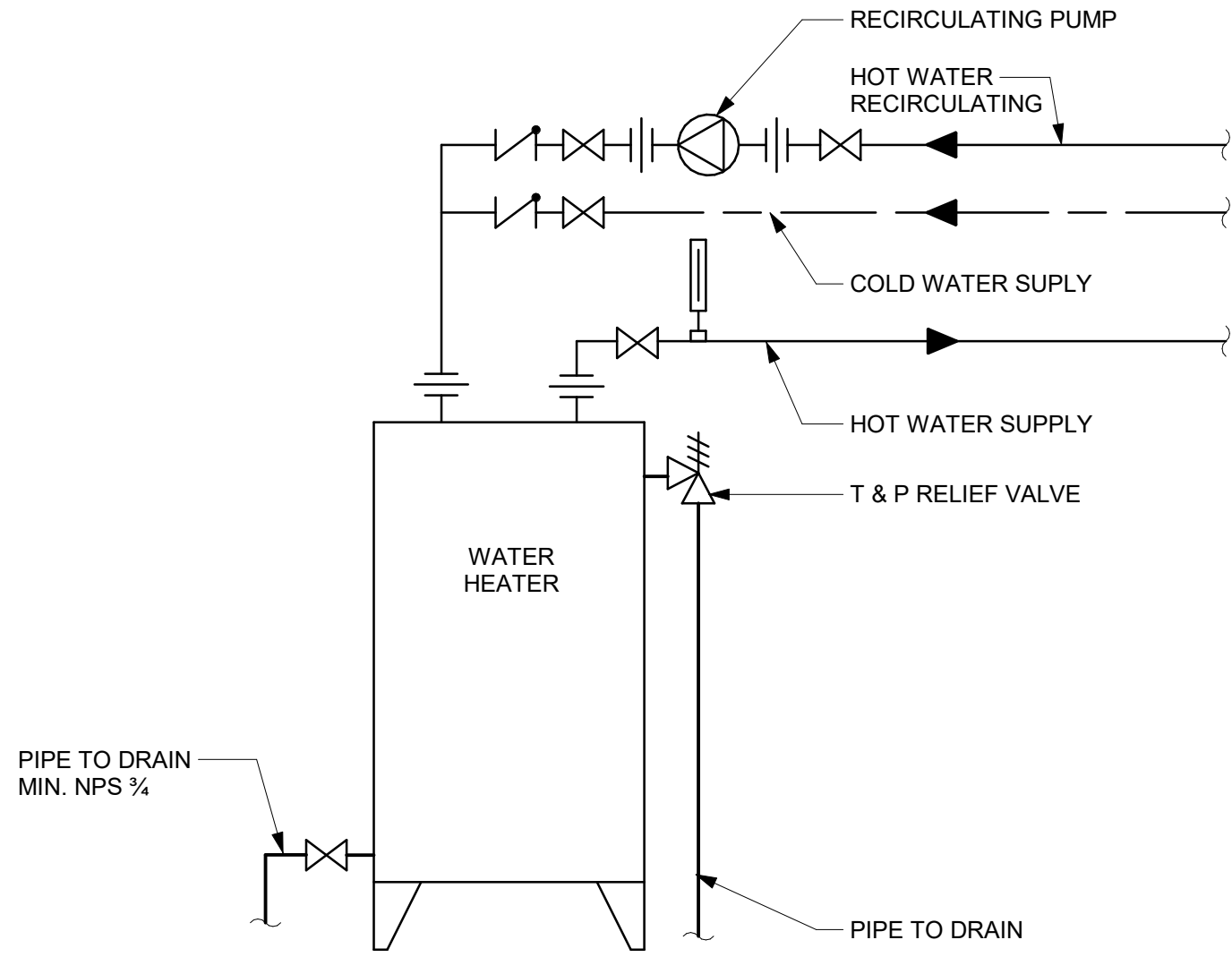
NOTES:

- 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.

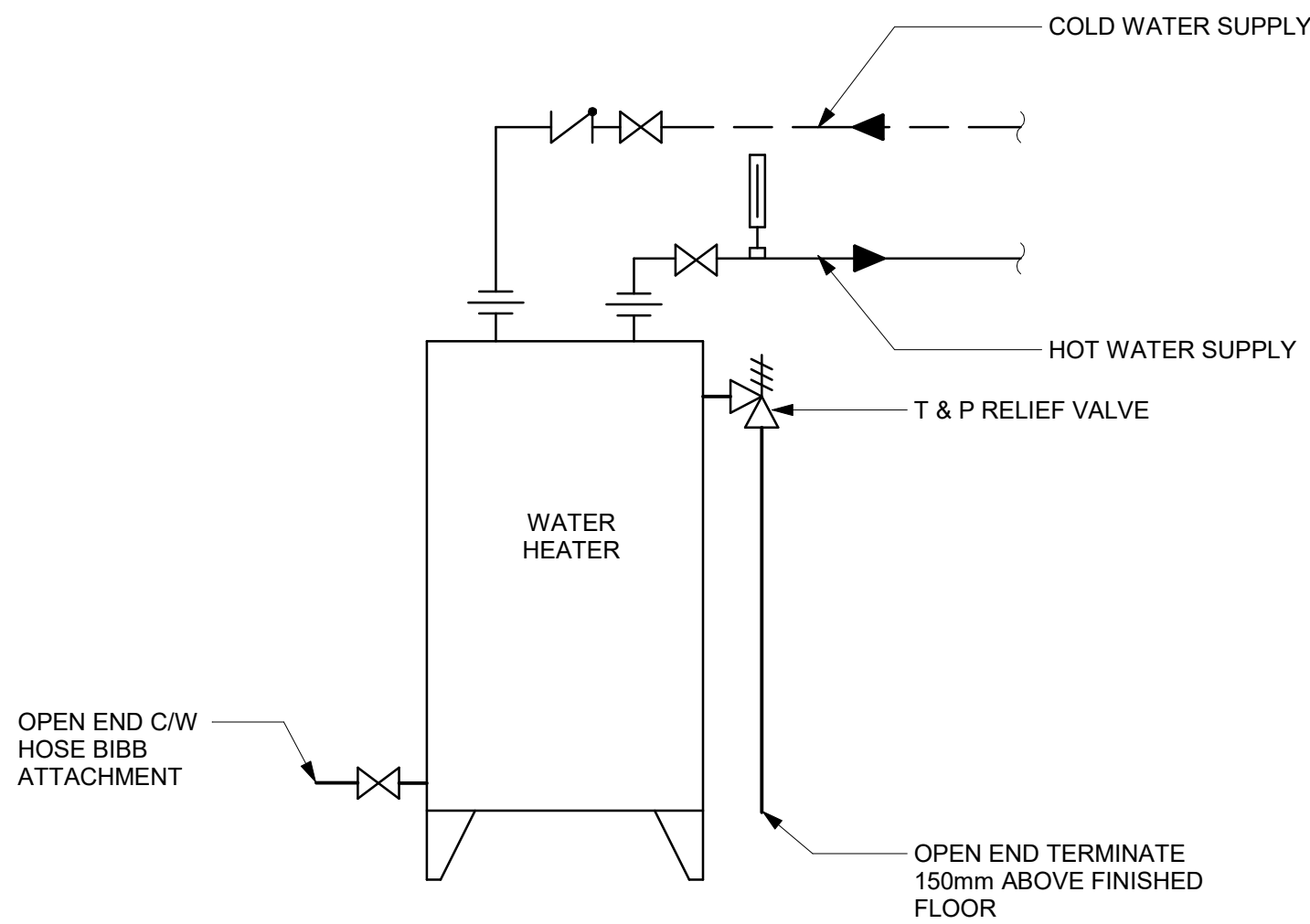
1 PLUMBING FIXTURE SCHEDULE  
Scale: N.T.S.



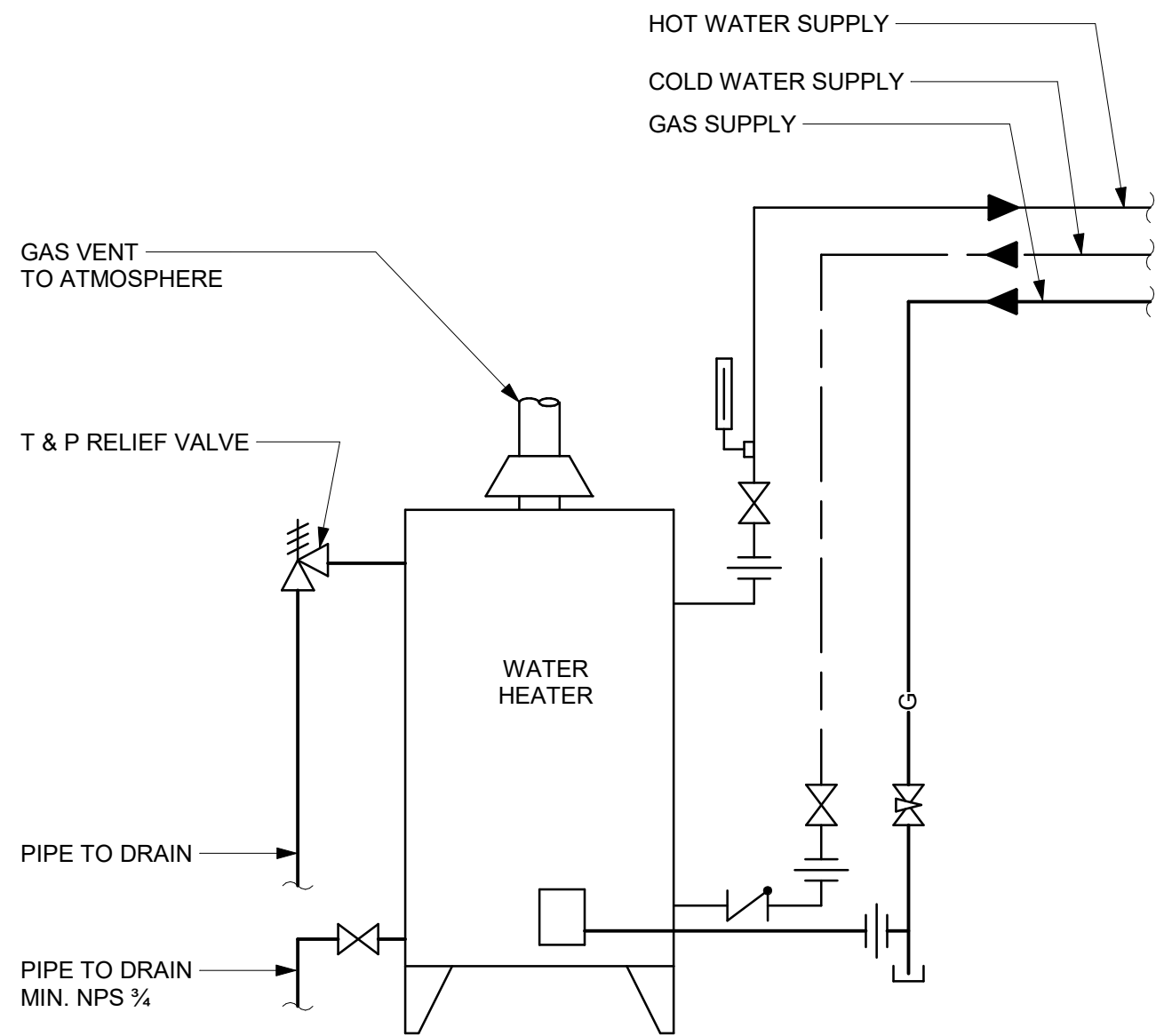
2 INDIRECT WASTE FROM OVERHEAD DWH RELIEF VALVE  
Scale: N.T.S.



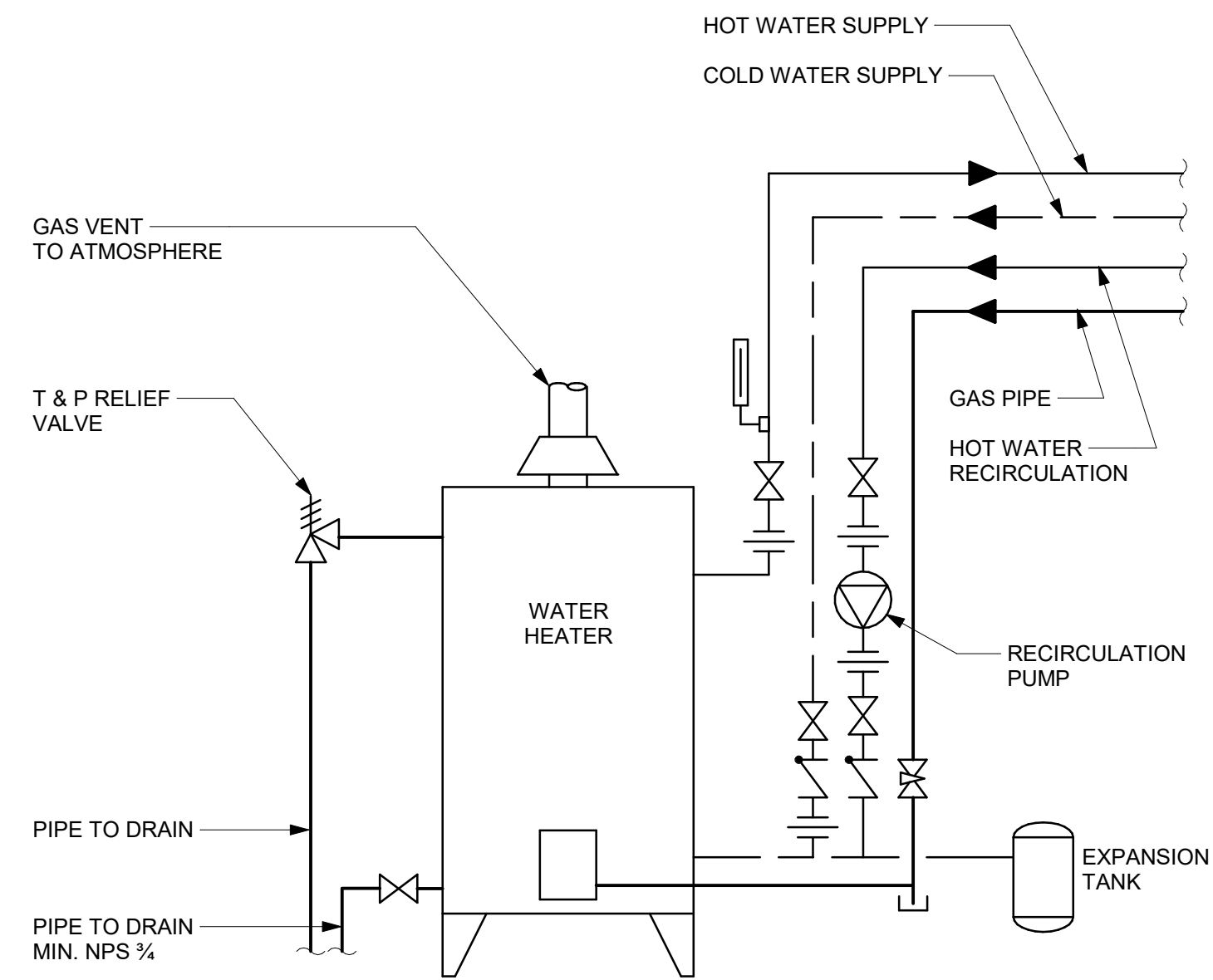
3 DOMESTIC WATER HEATER ELECTRIC WITH RECIRCULATION  
Scale: N.T.S.



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



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



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

ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-11-19
B	90% SUBMISSION	2022-02-22
C	ISSUED FOR PERMIT	2022-03-18
D	ISSUED FOR TENDER	2022-12-07
E	ISSUED FOR REVISED PERMIT	2024-06-14
F	ISSUED FOR TENDER	2025-04-11

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PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
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CHECKED BY:  
**B. LIAO**

PROJECT MGR:  
**F. BOLOURIAN**

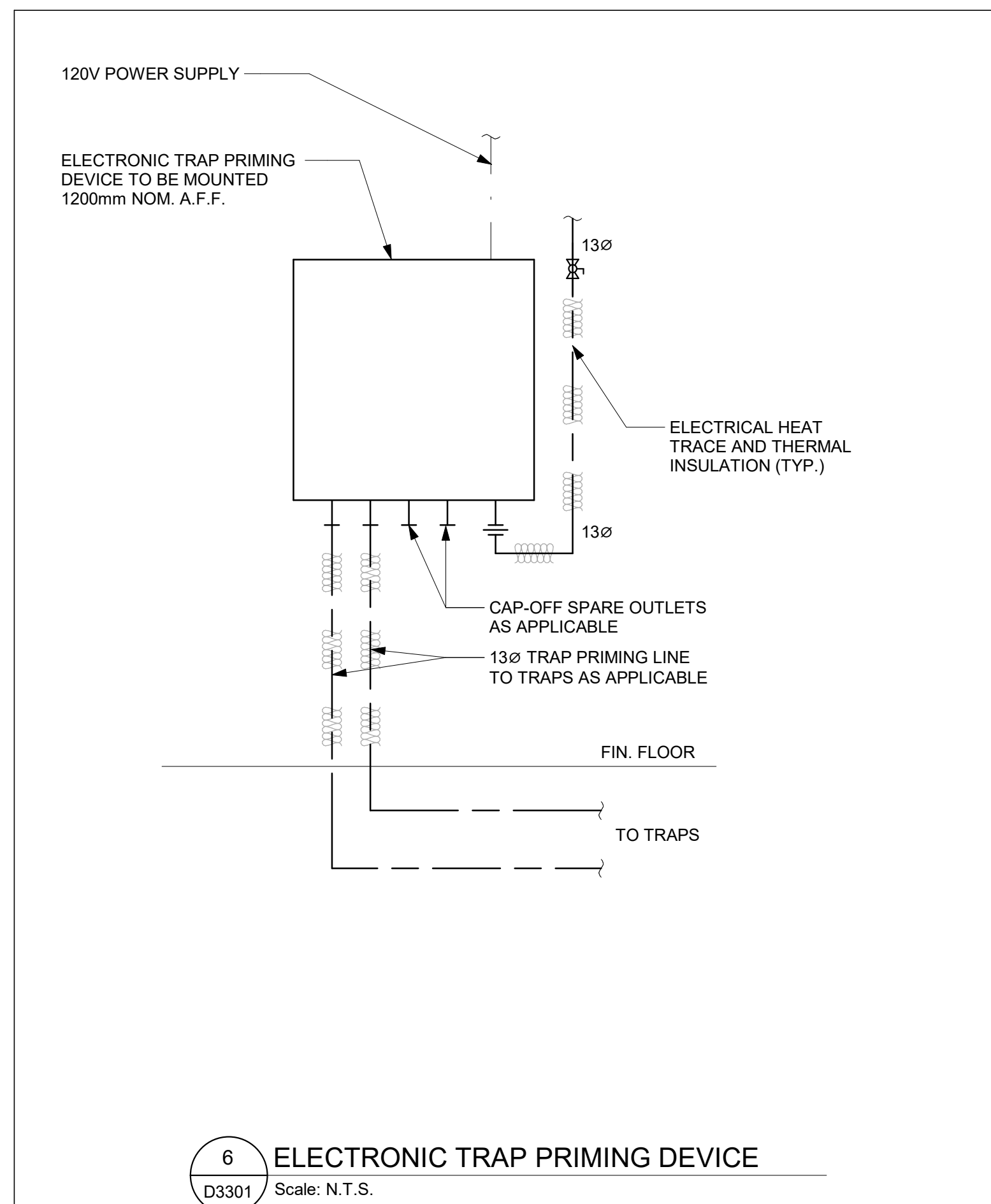
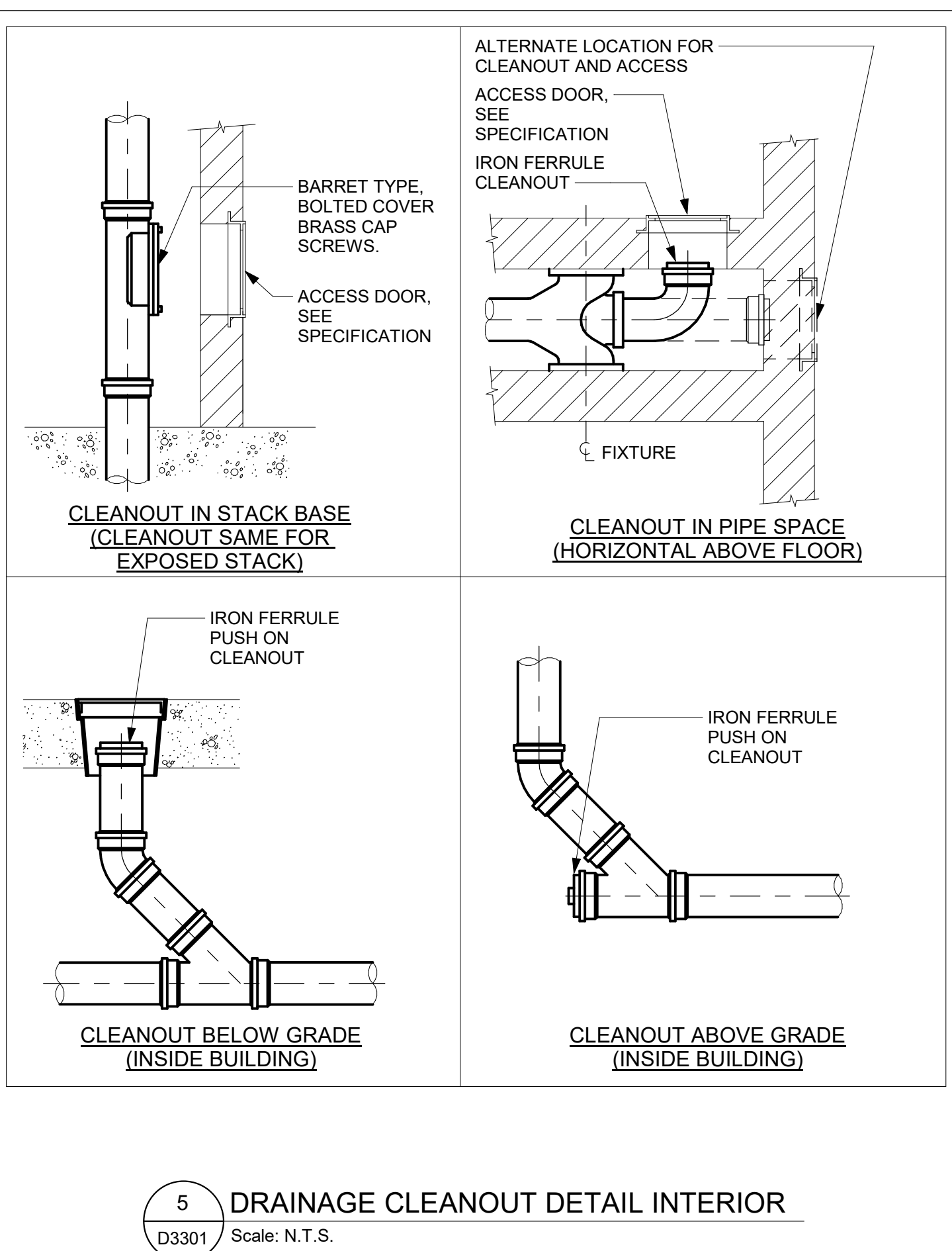
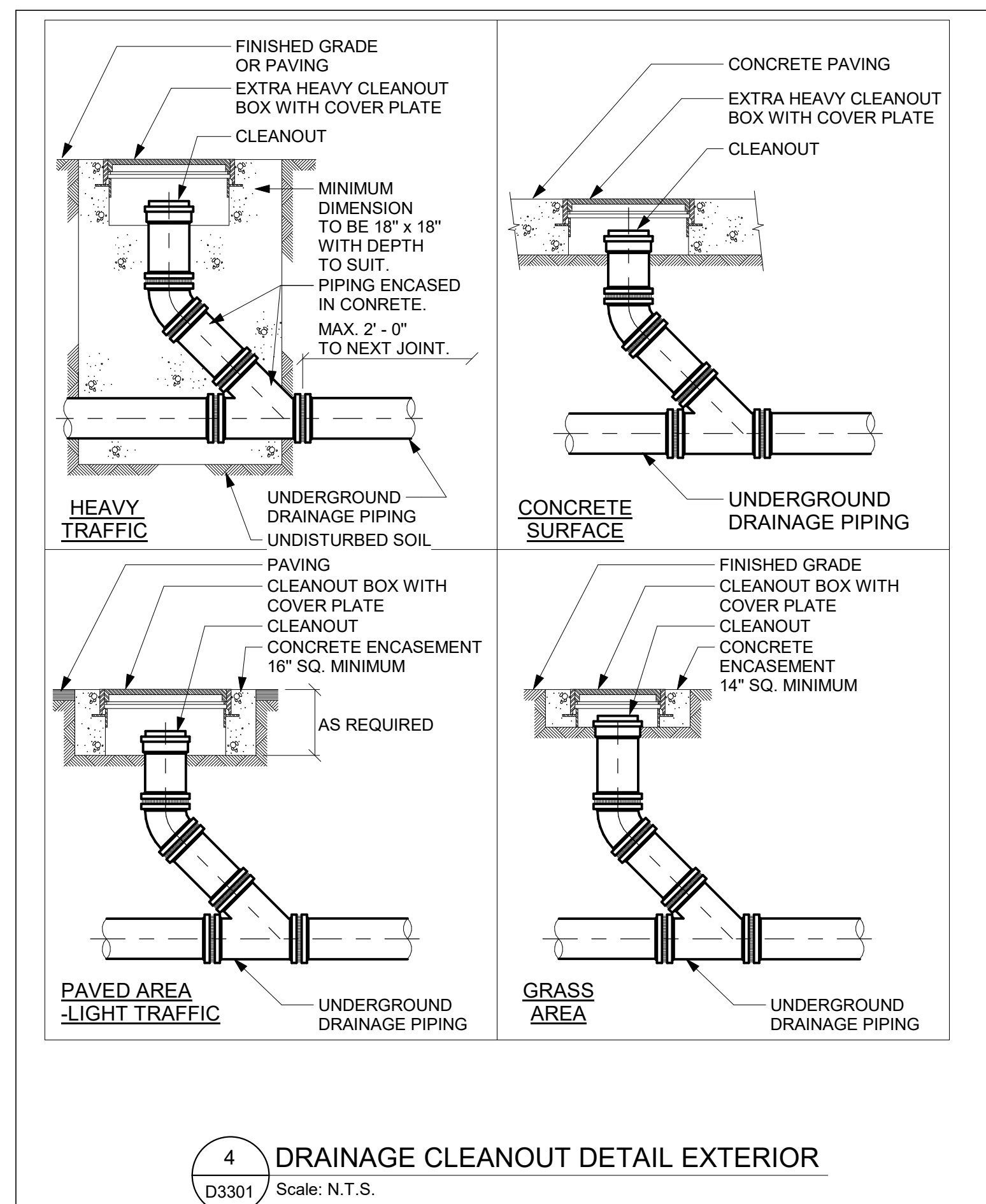
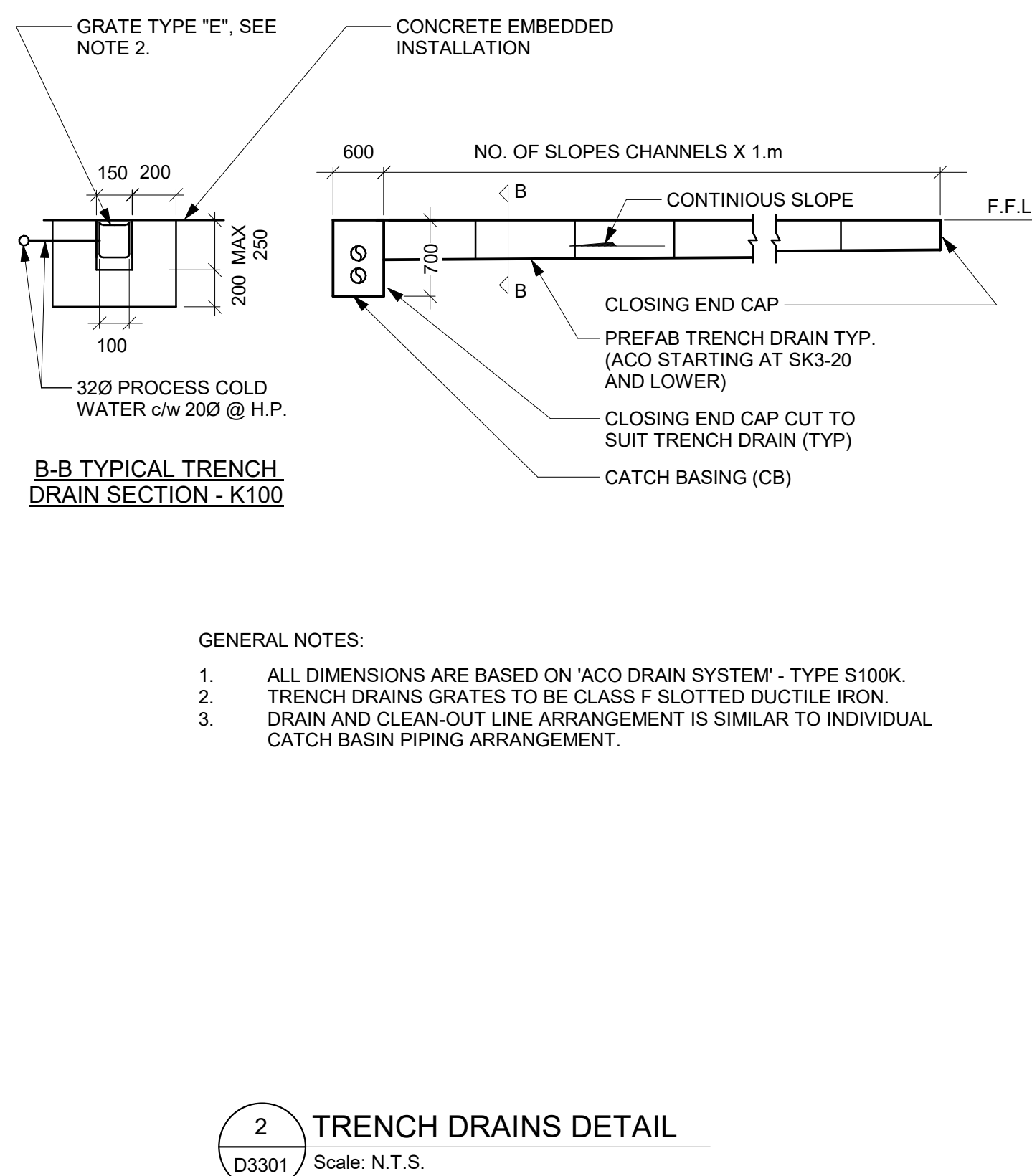
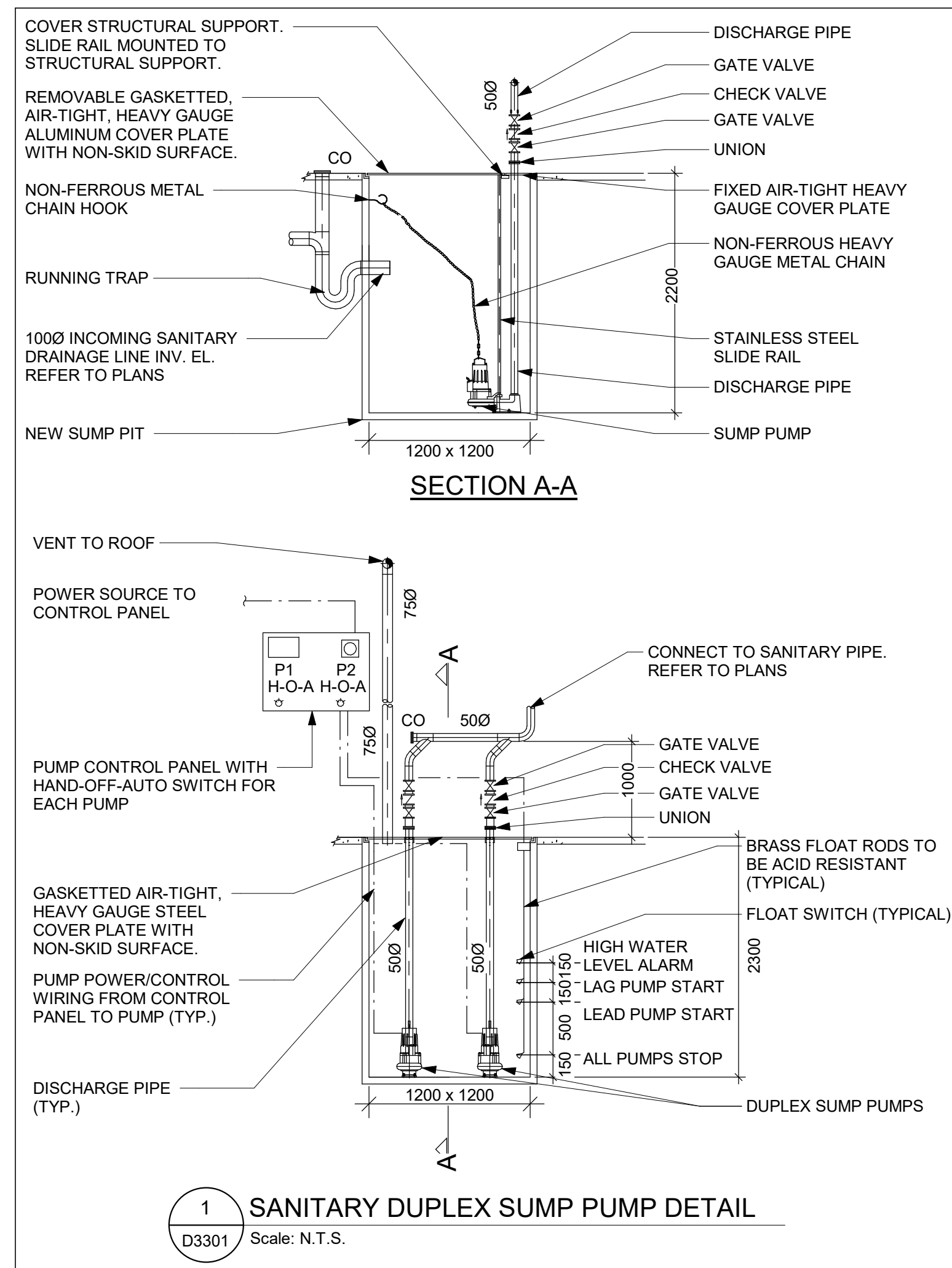
APPROVED BY:  
**S. LIU**

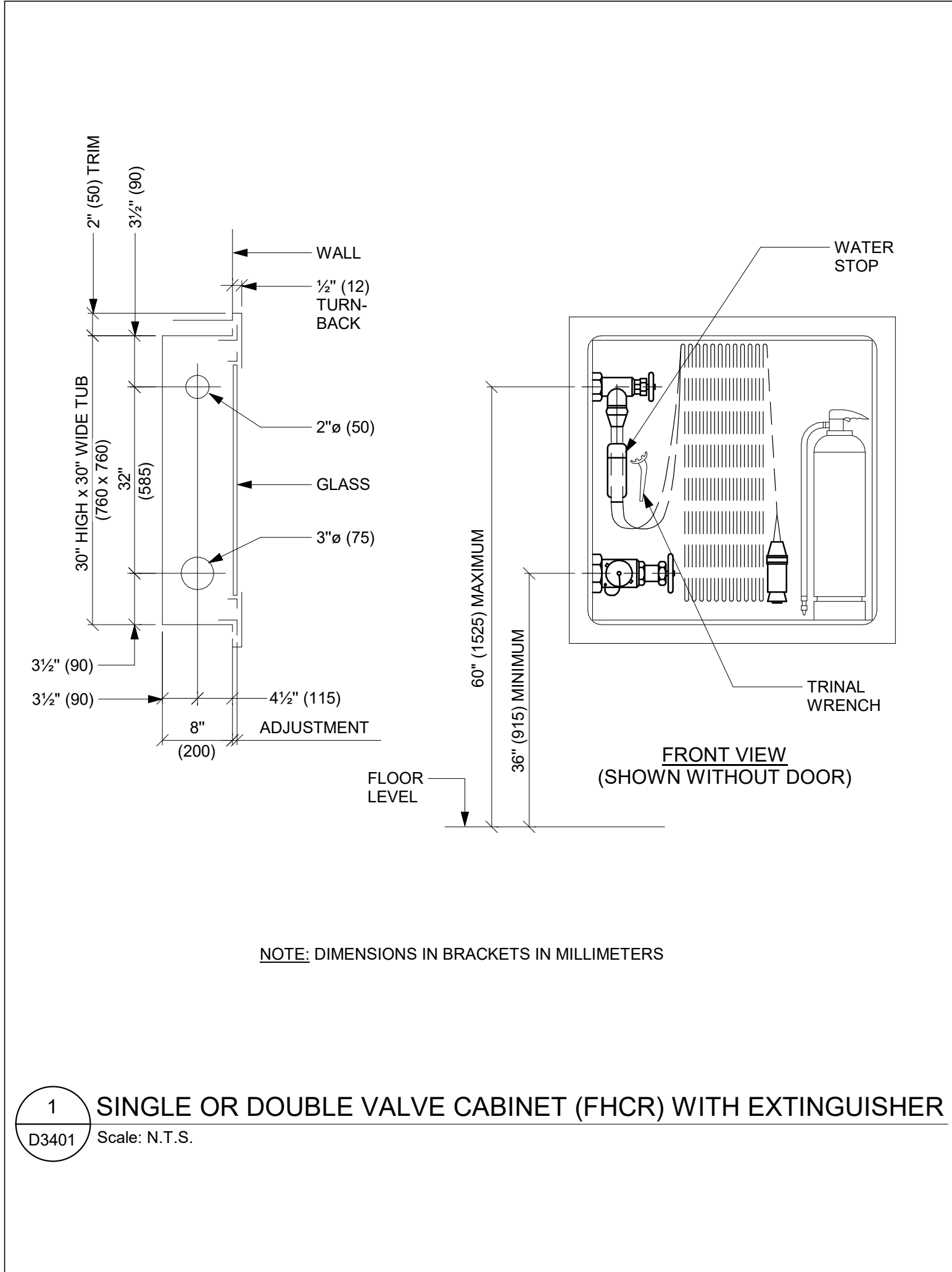
SHEET TITLE  
**PLUMBING DETAILS**

SHEET NUMBER  
**G05-GAL-D3201**

ISSUE  
**F**







ISSUES		
No.	DESCRIPTION	DATE
A.	50% SUBMISSION	2021-11-19
B	90% SUBMISSION	2022-02-22
C	ISSUED FOR PERMIT	2022-03-18
D	ISSUED FOR TENDER	2022-12-07
E	ISSUED FOR REVISED PERMIT	2024-06-14
F	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

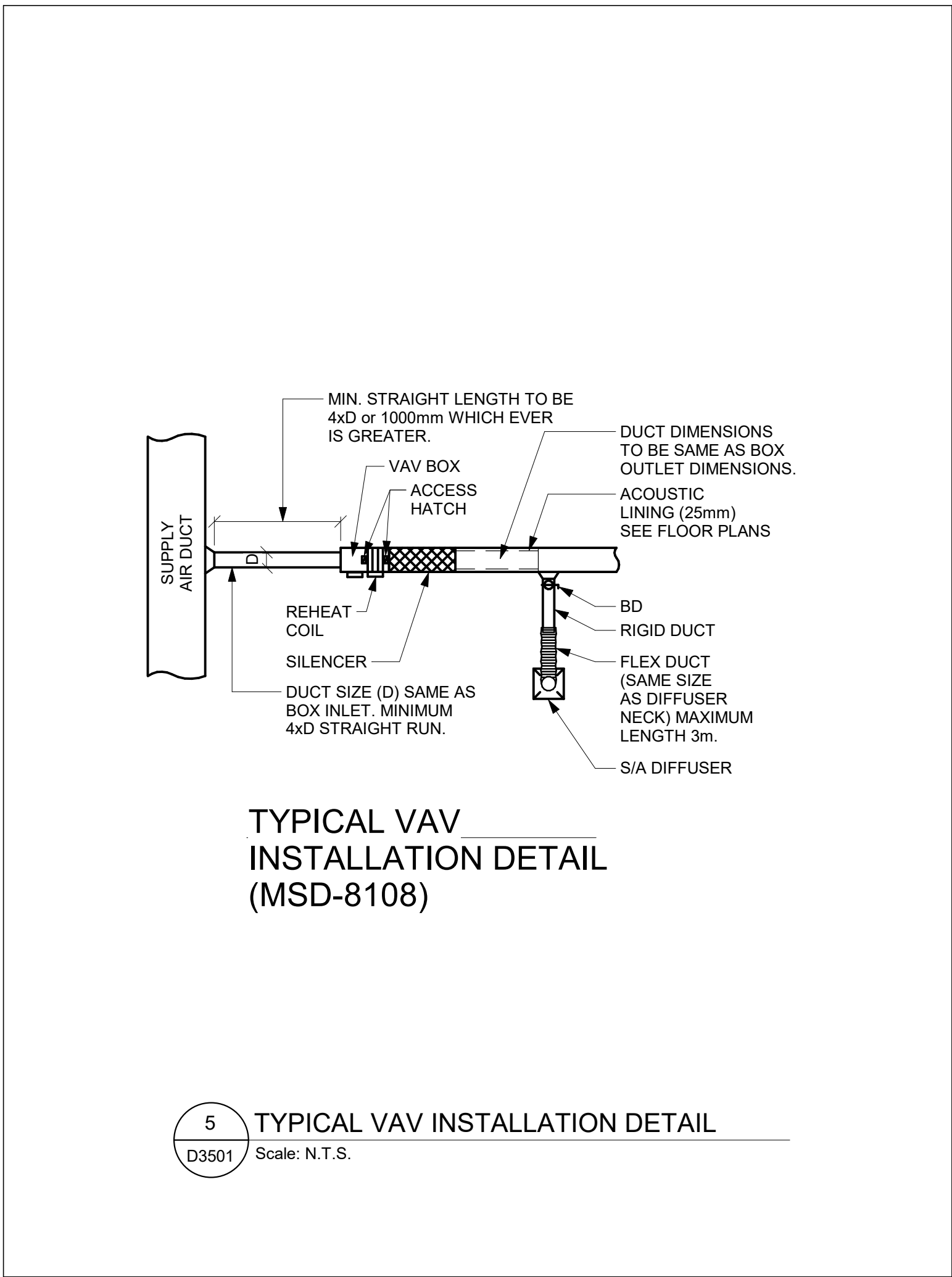
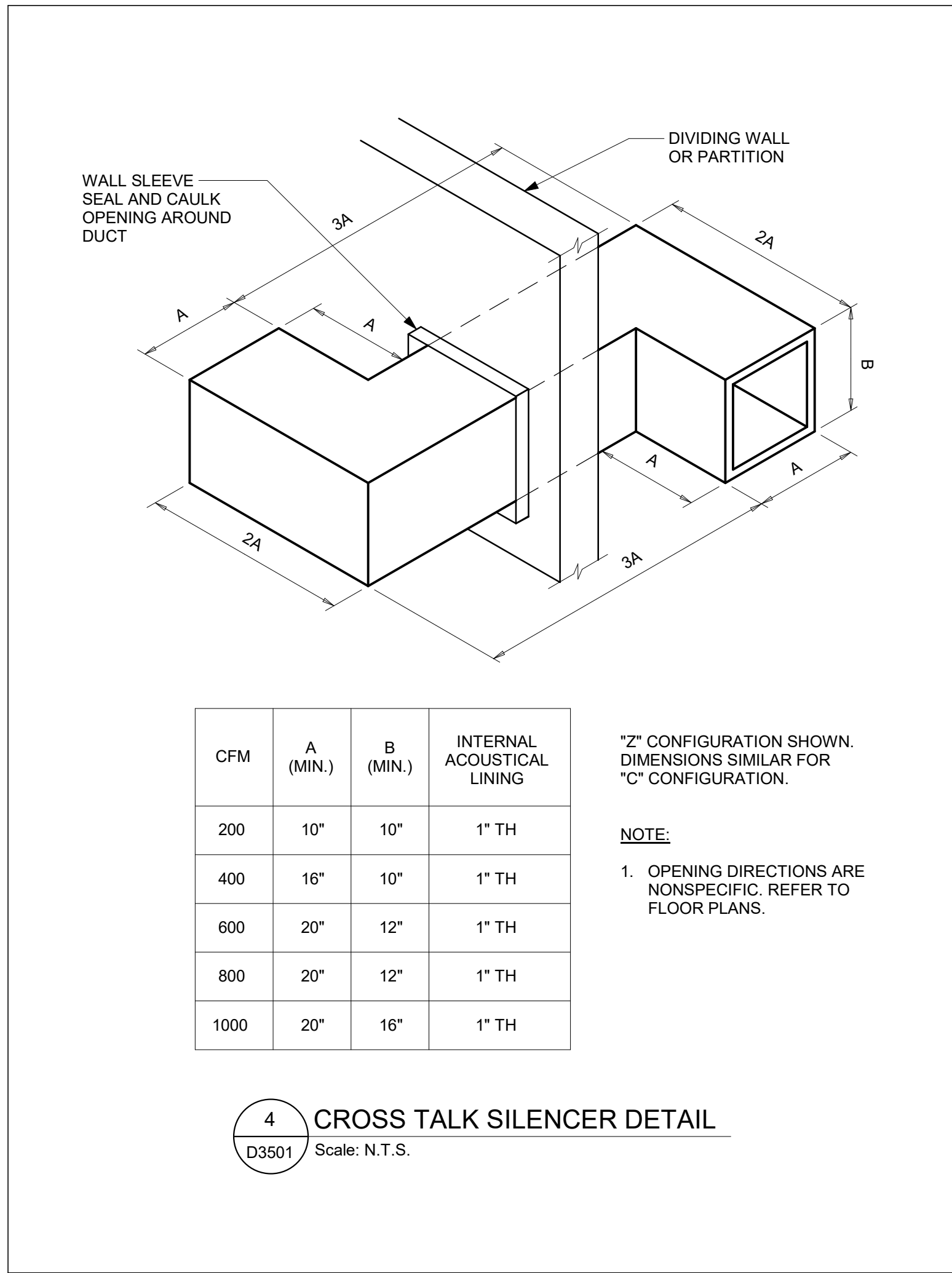
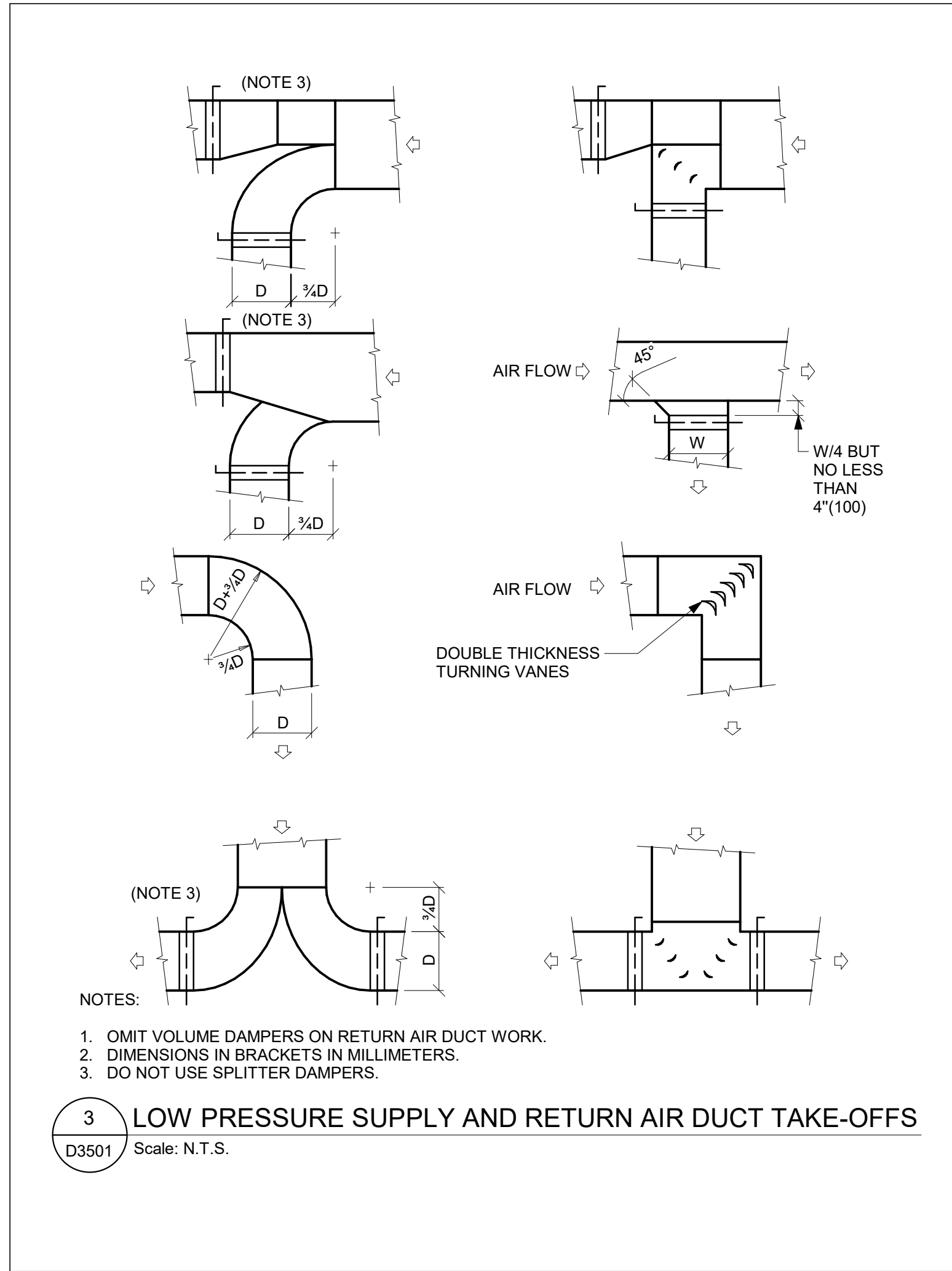
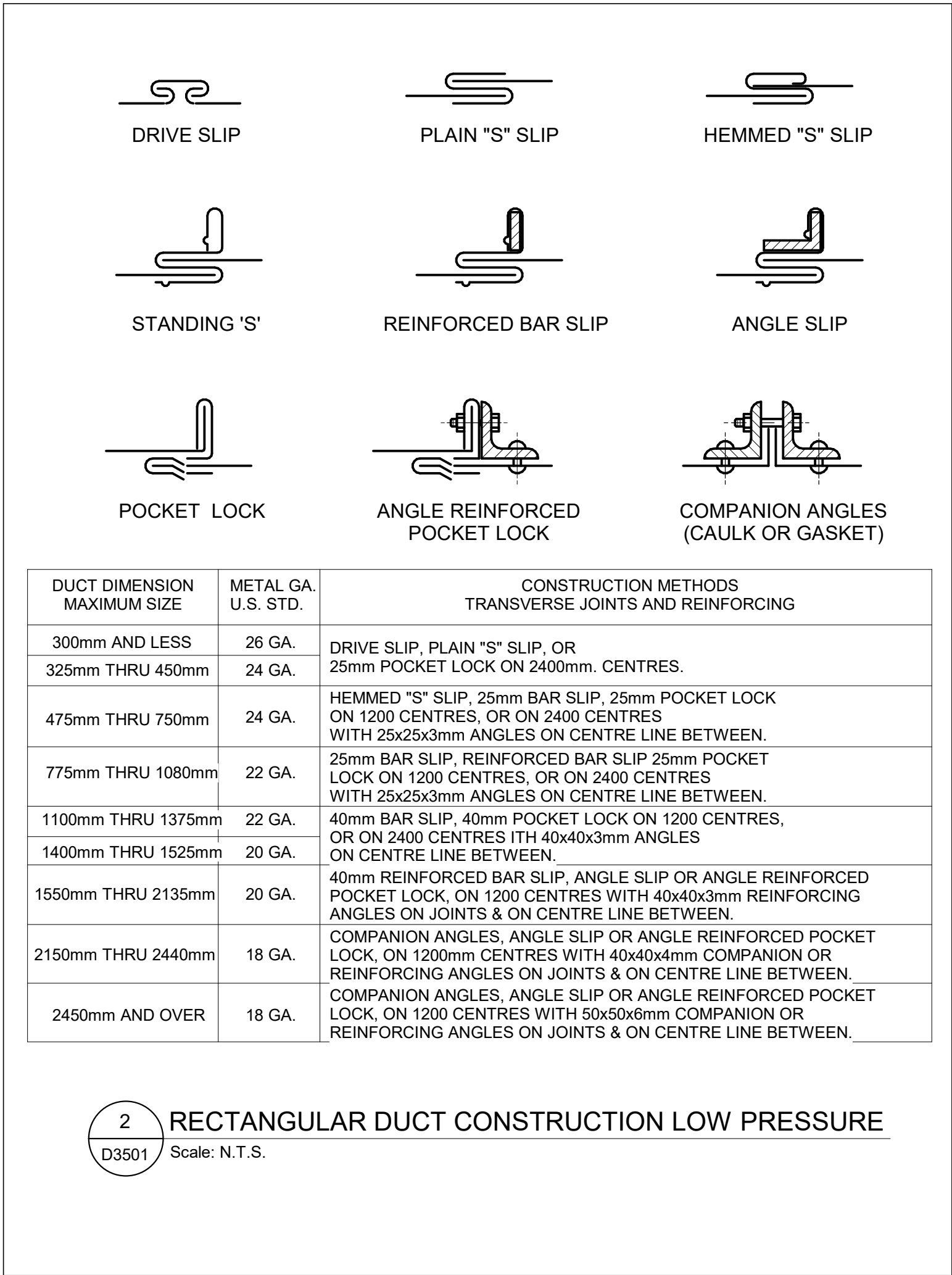
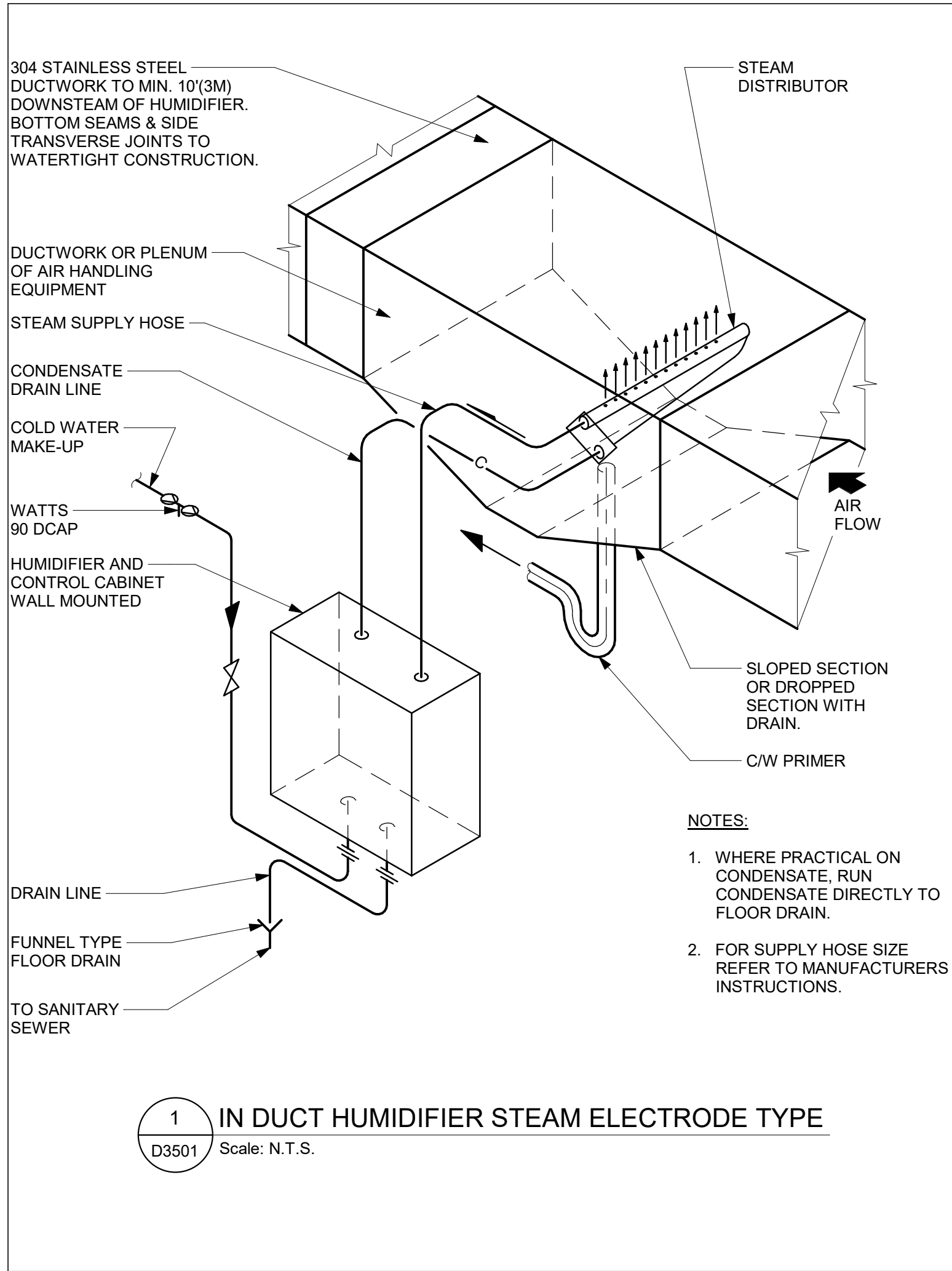
PROJECT ADDRESS

PROJECT NO: 9119- 19- 0162 / Arcadis 30279056	
DRAWN BY: <b>K. DURUKAN</b>	CHECKED BY: <b>B. LIAO</b>
PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>S. LIU</b>

SHEET TITLE  
FIRE PROTECTION  
DETAILS

SHEET NUMBER <b>G05-GAL-D3401</b>	ISSUE <b>F</b>
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CLIENT

**CITY OF TORONTO**

Corporate Real Estate Management  
Project Management Office  
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A	50% SUBMISSION	2021-11-19
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C	ISSUED FOR PERMIT	2022-03-18
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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
**K. DURUKAN**

CHECKED BY:  
**B. LIAO**

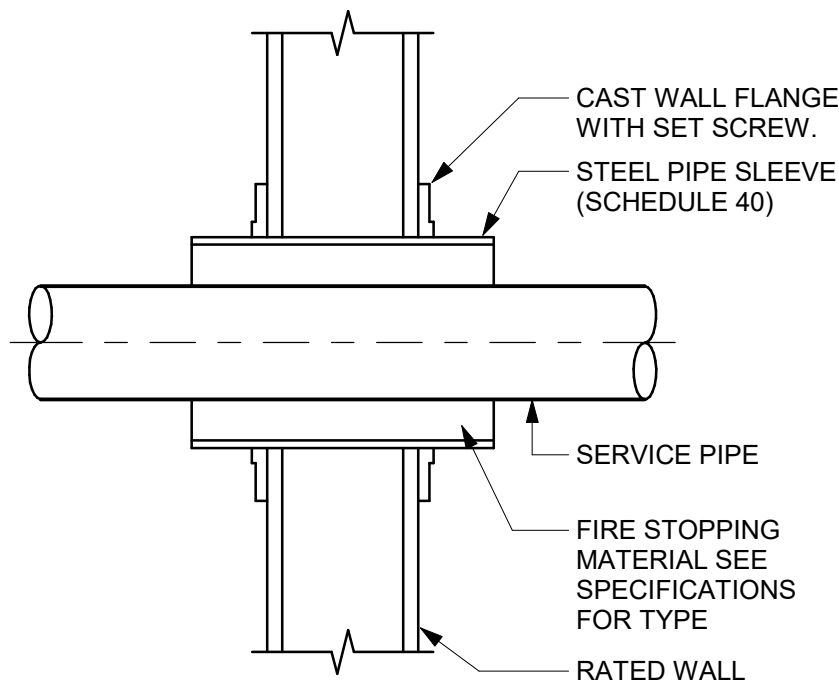
PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**S. LIU**

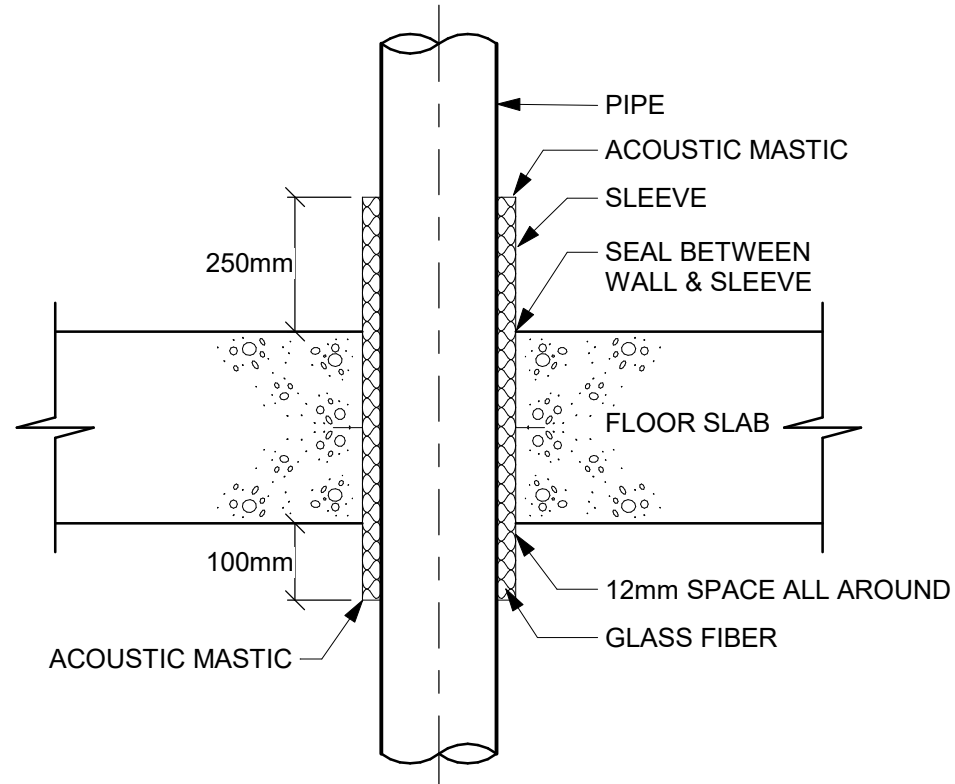
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**HVAC DETAILS**

SHEET NUMBER  
**G05-GAL-D3501**

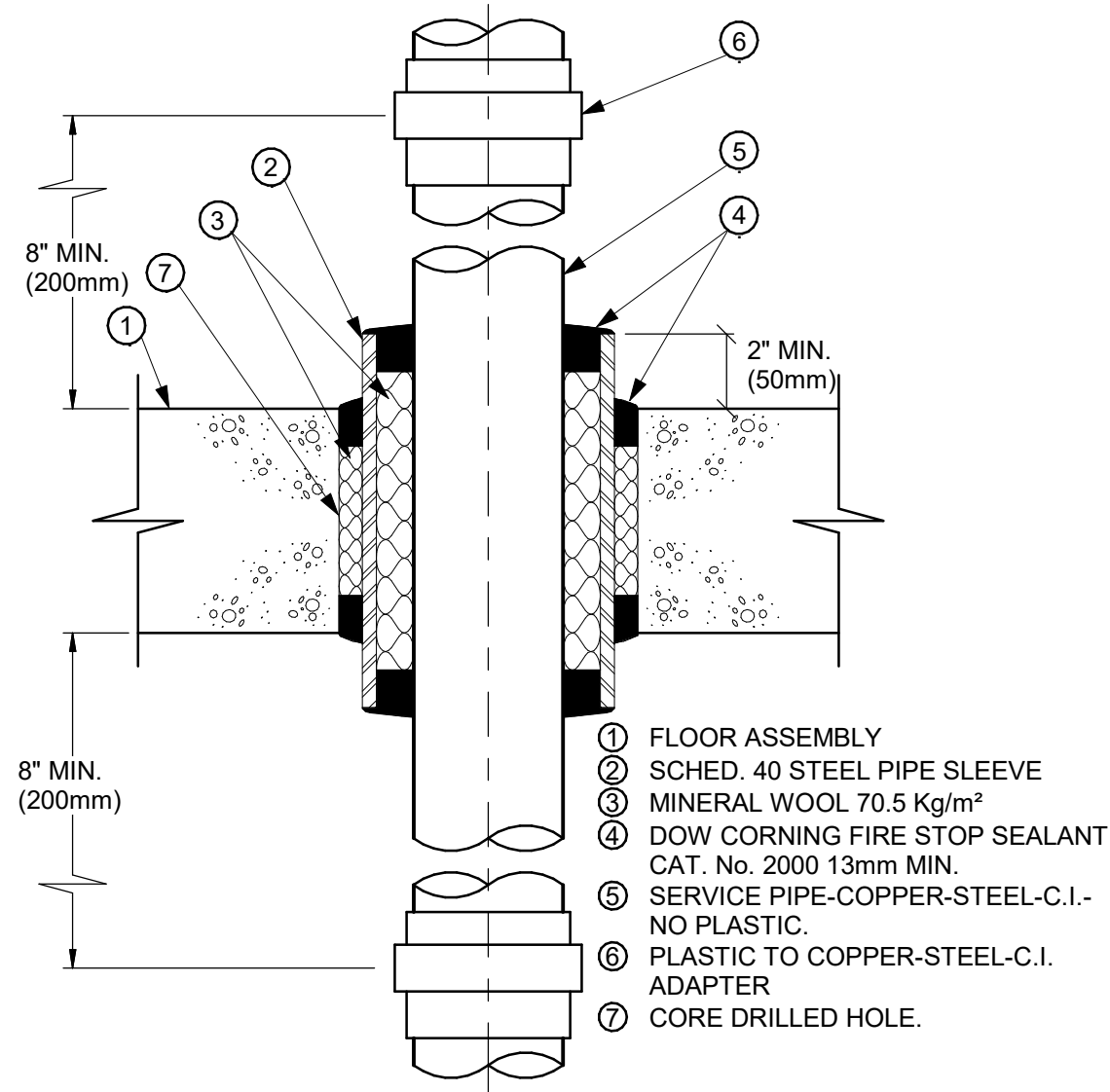
ISSUE  
**F**



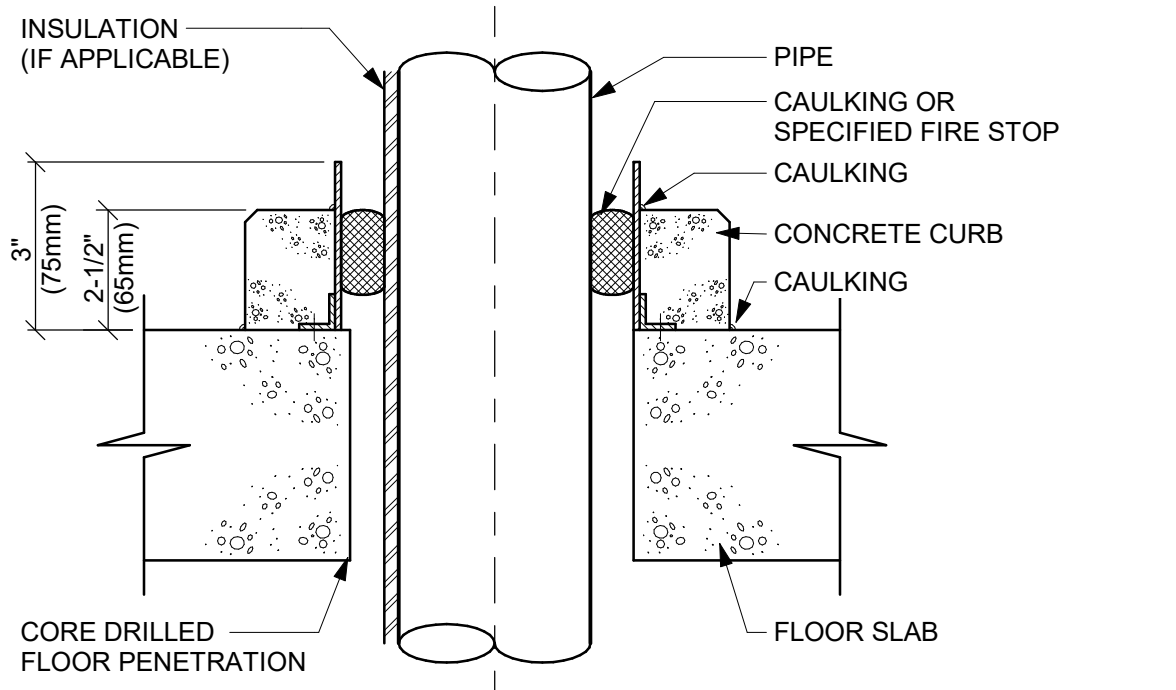
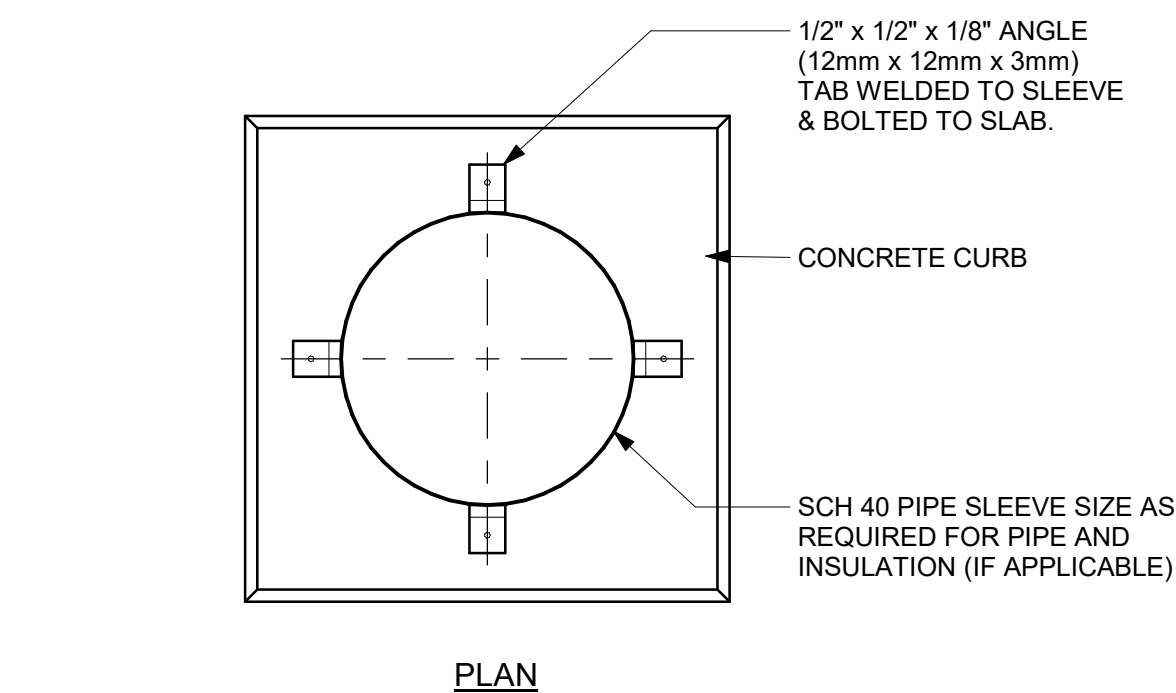
1 SLEEVE THROUGH RATED WALL  
D3601 Scale: N.T.S.



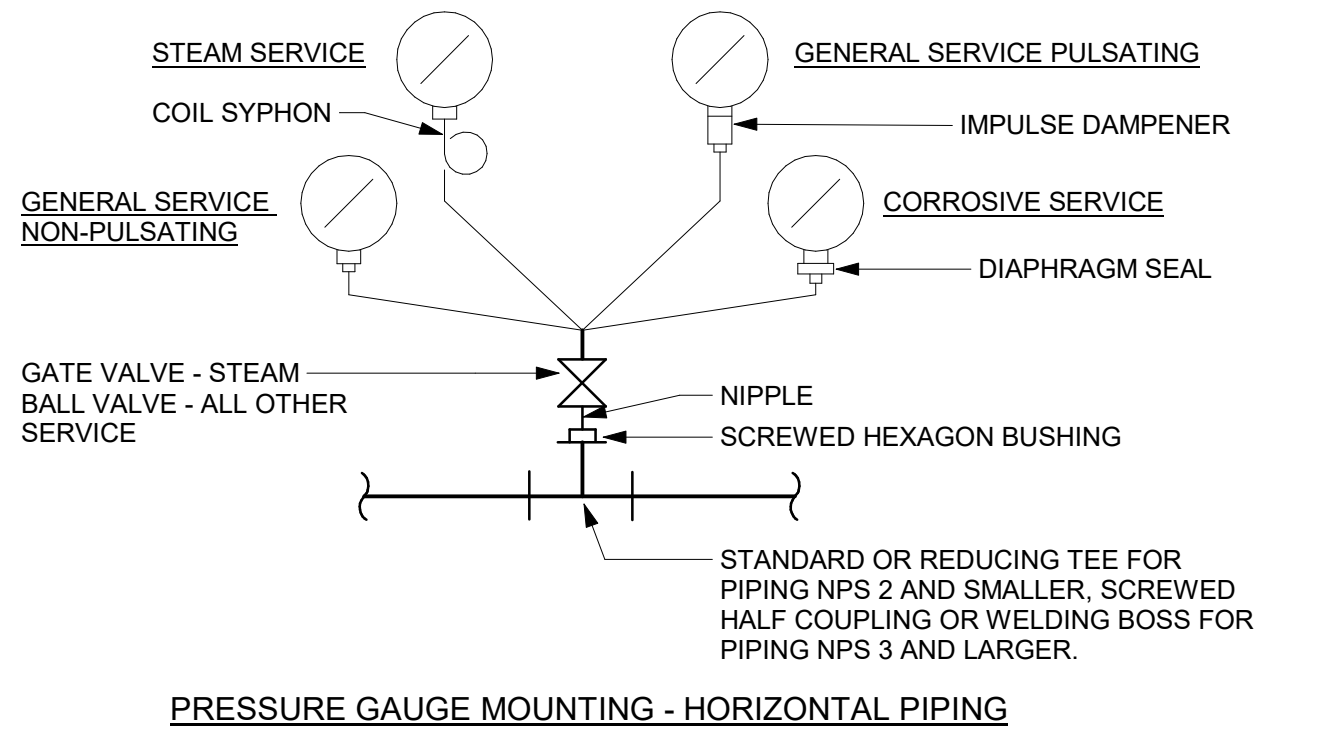
2 ACOUSTIC TREATMENT OF PIPE PENETRATION  
OF MECHANICAL ROOM FLOOR SLAB  
D3601 Scale: N.T.S.



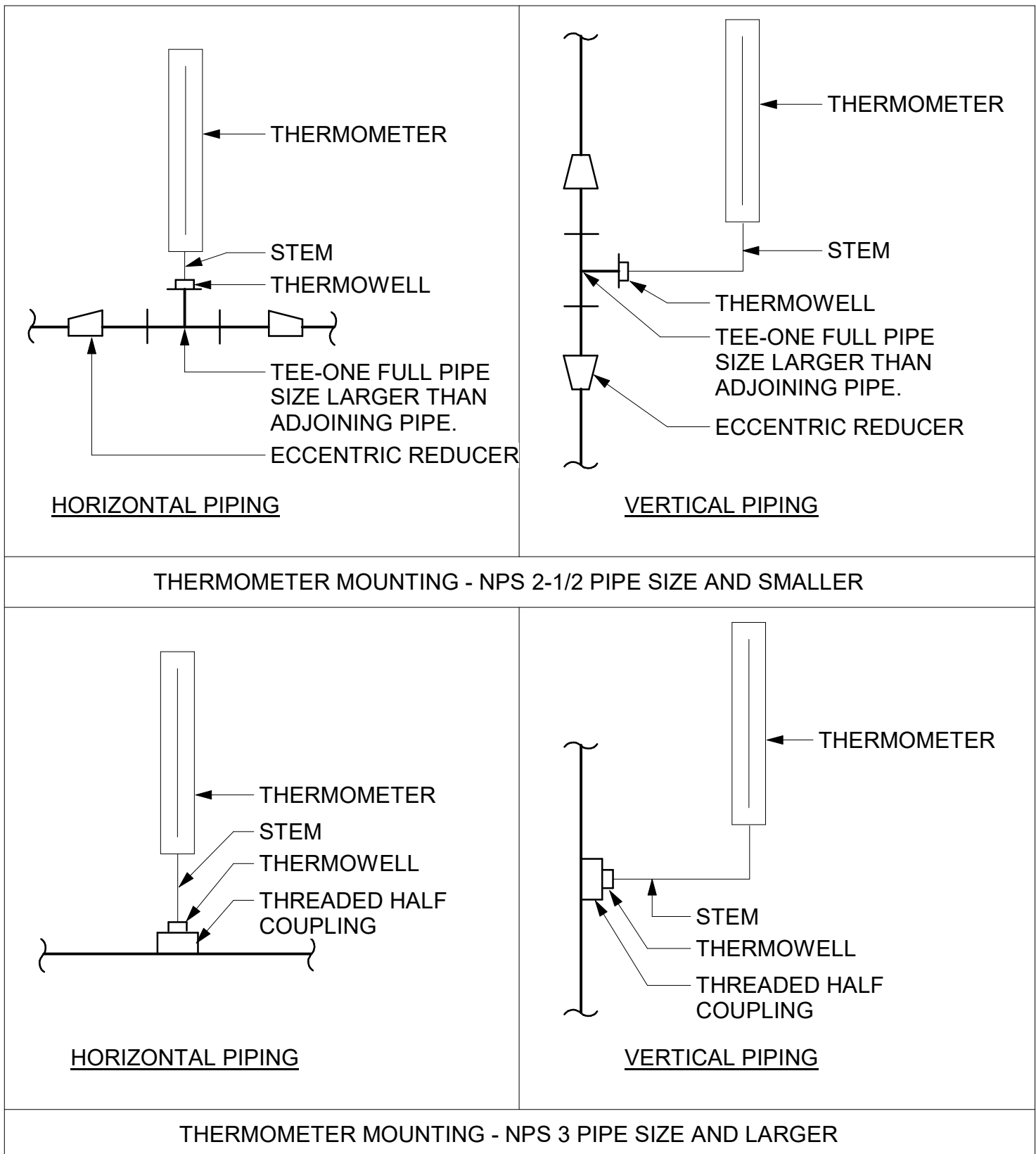
3 PIPE SLEEVE THROUGH FIRE RATED FLOOR SLAB  
D3601 Scale: N.T.S.



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



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



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

ISSUES		
No.	DESCRIPTION	DATE
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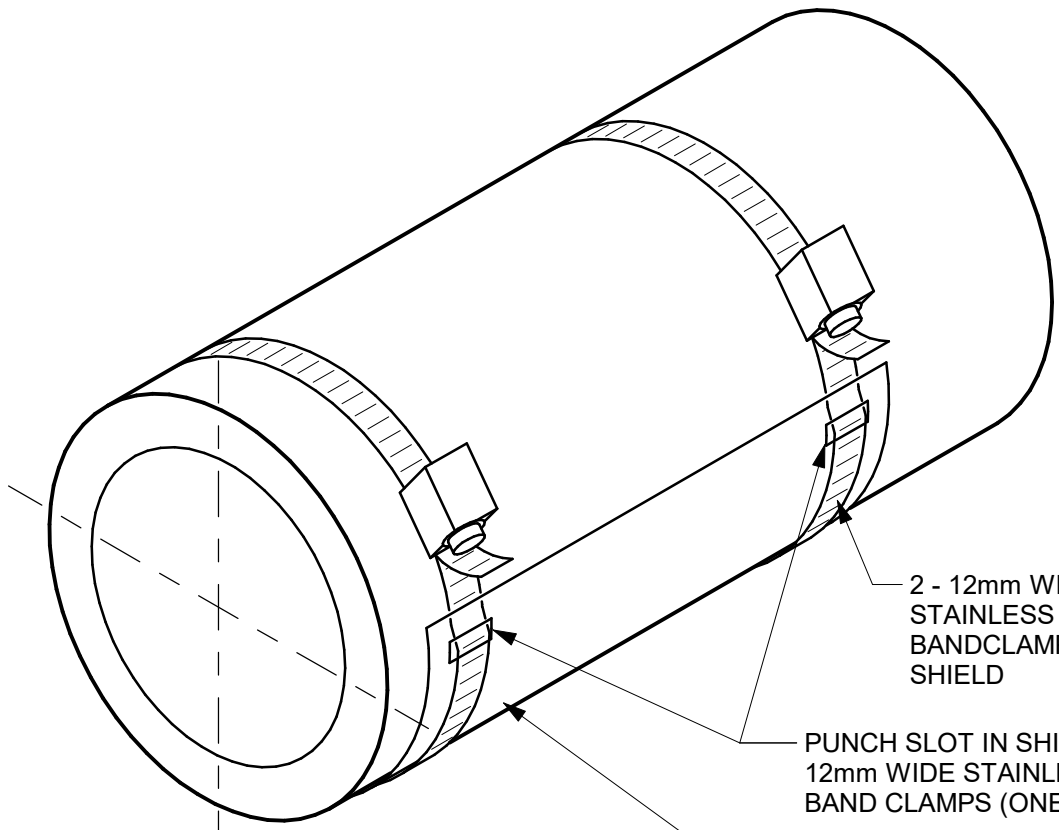
PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056  
DRAWN BY:  
**K. DURUKAN**  
CHECKED BY:  
**B. LIAO**  
PROJECT MGR:  
**F. BOLOURIAN**  
APPROVED BY:  
**S. LIU**

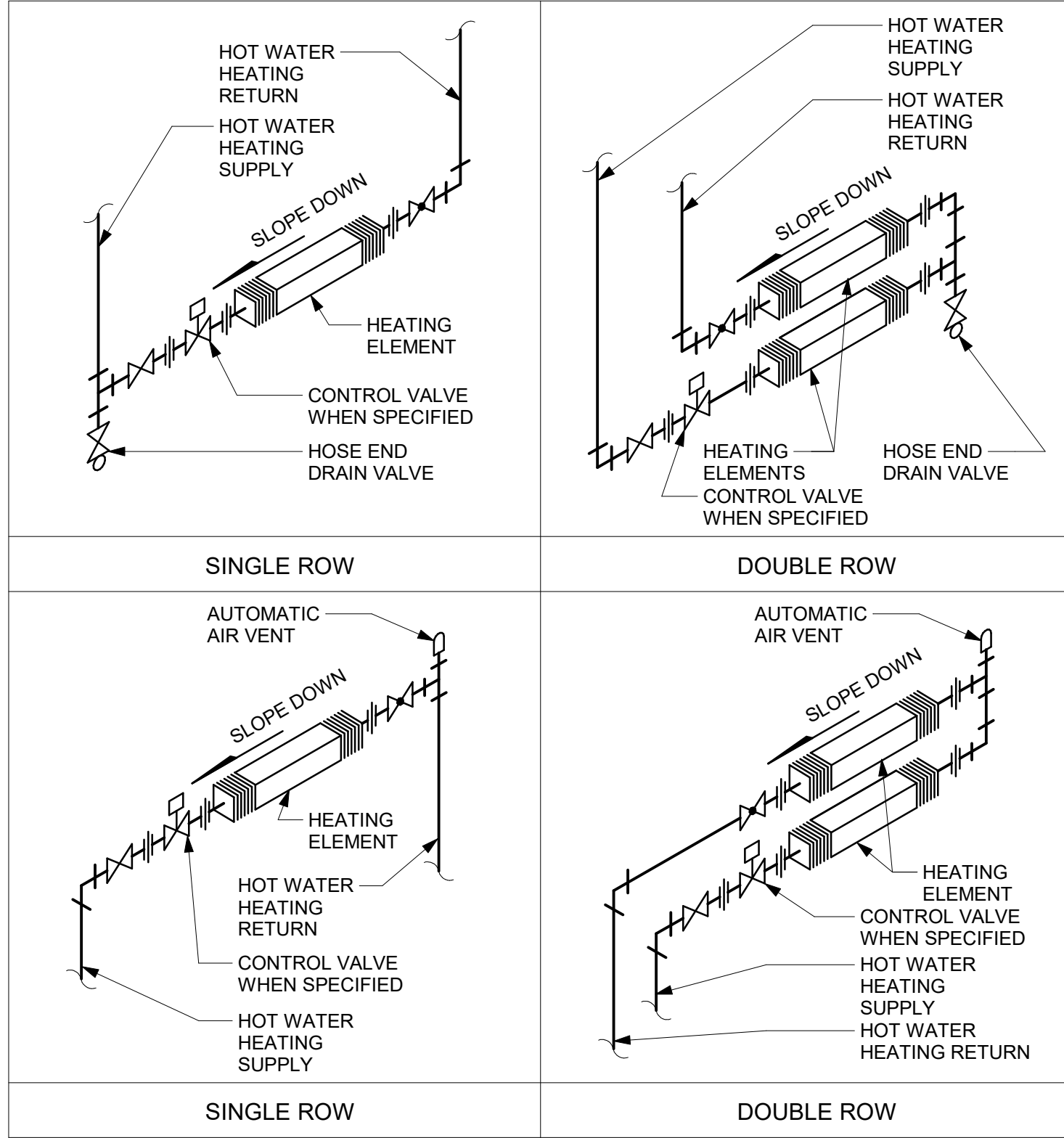
SHEET TITLE  
**PIPING DETAILS  
SHEET 1 OF 2**

SHEET NUMBER  
**G05-GAL-D3601**  
ISSUE  
**F**





1 INSULATION SHIELD INSTALLATION  
D3602 Scale: N.T.S.



2 WALL FINNED CONVECTORS: HOT WATER  
D3602 Scale: N.T.S.

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CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

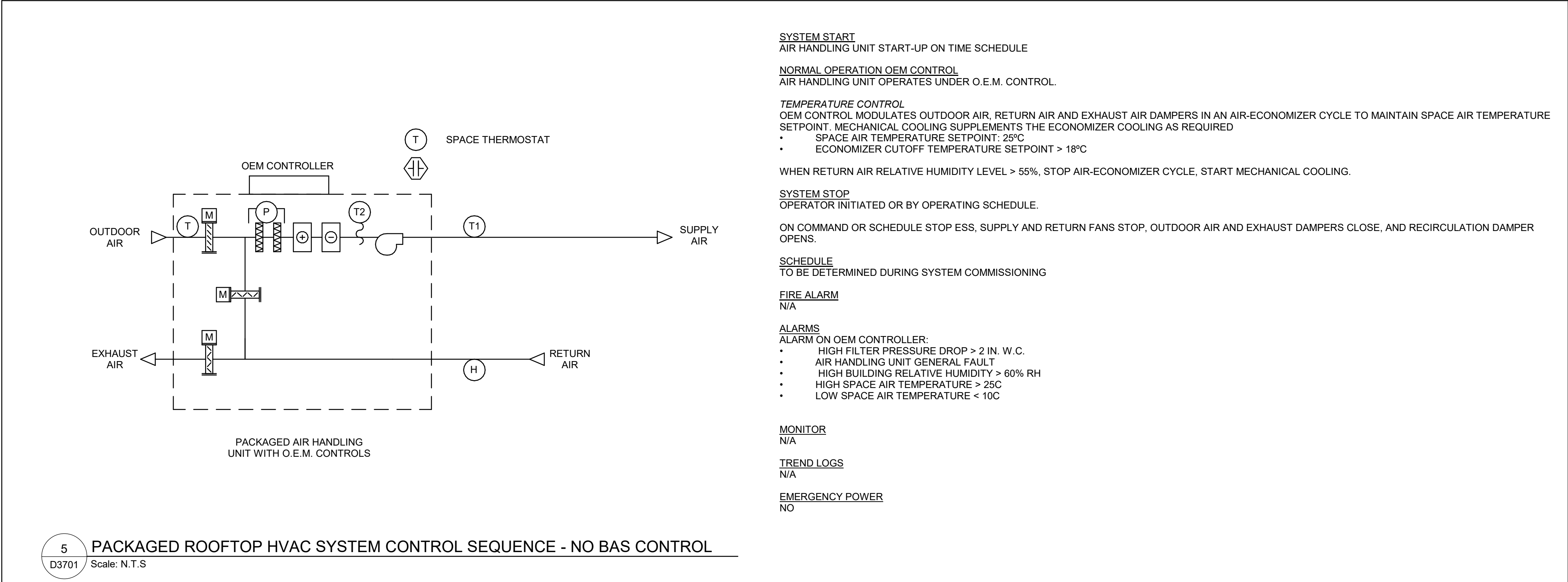
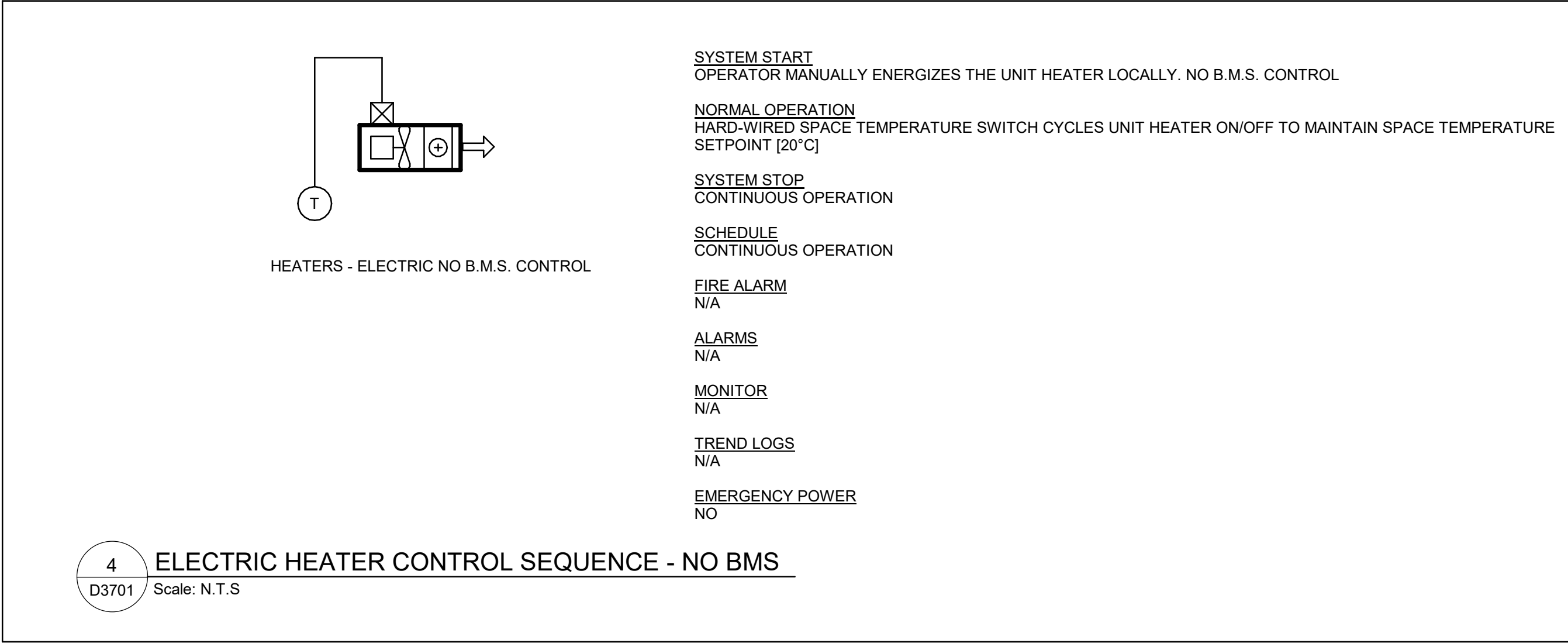
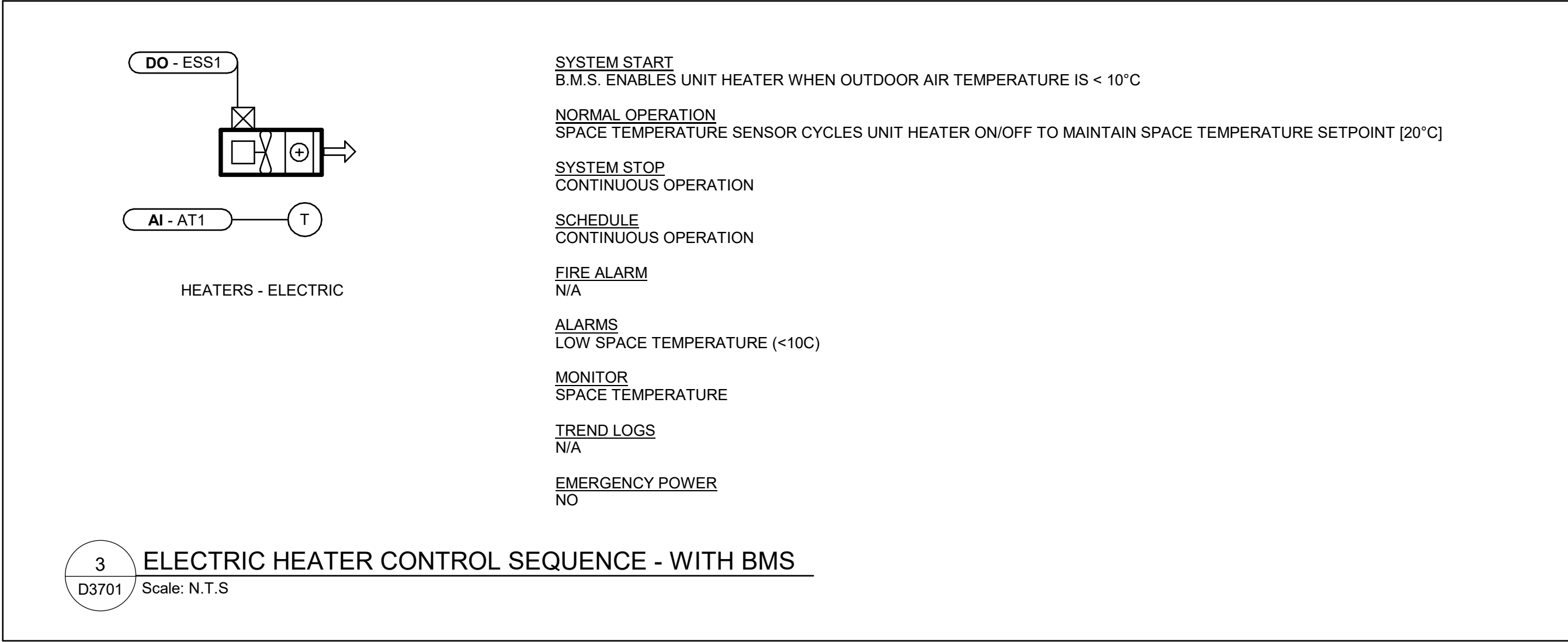
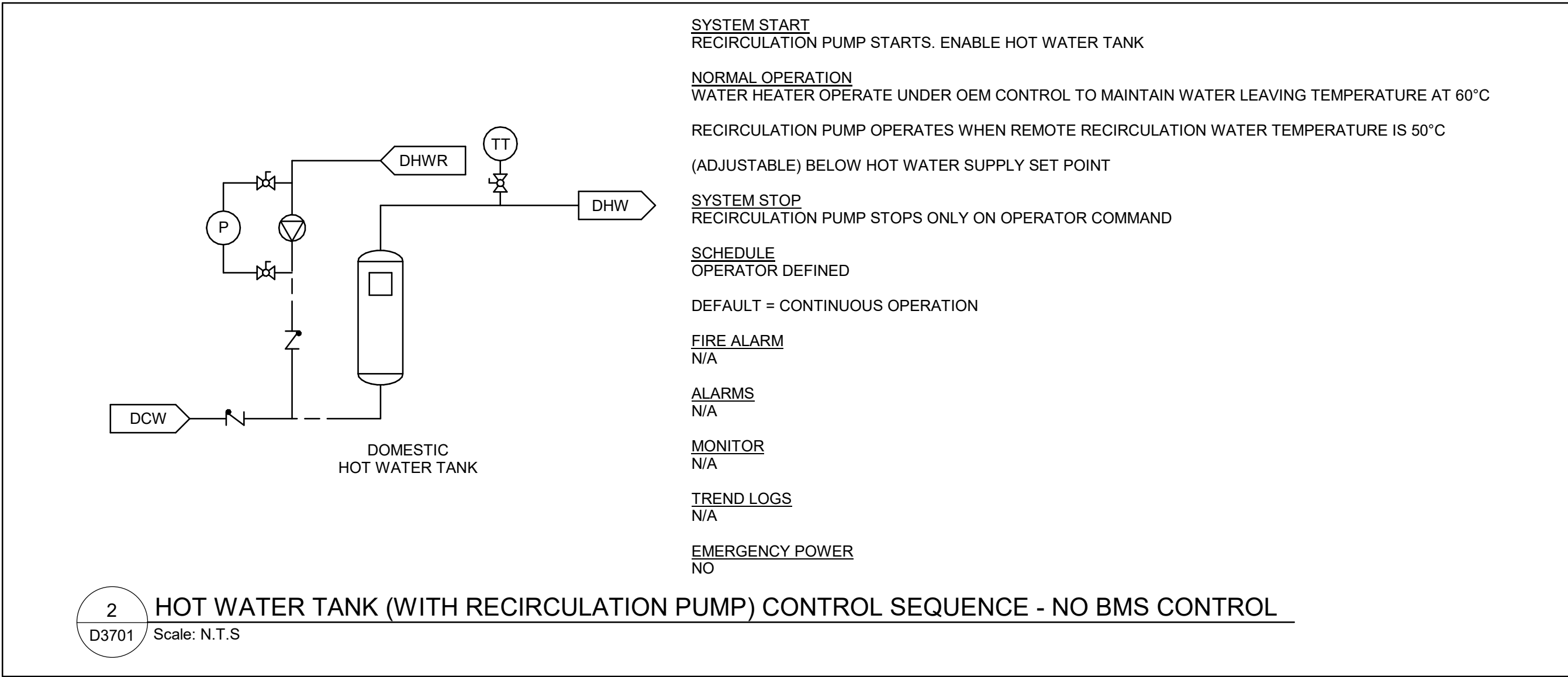
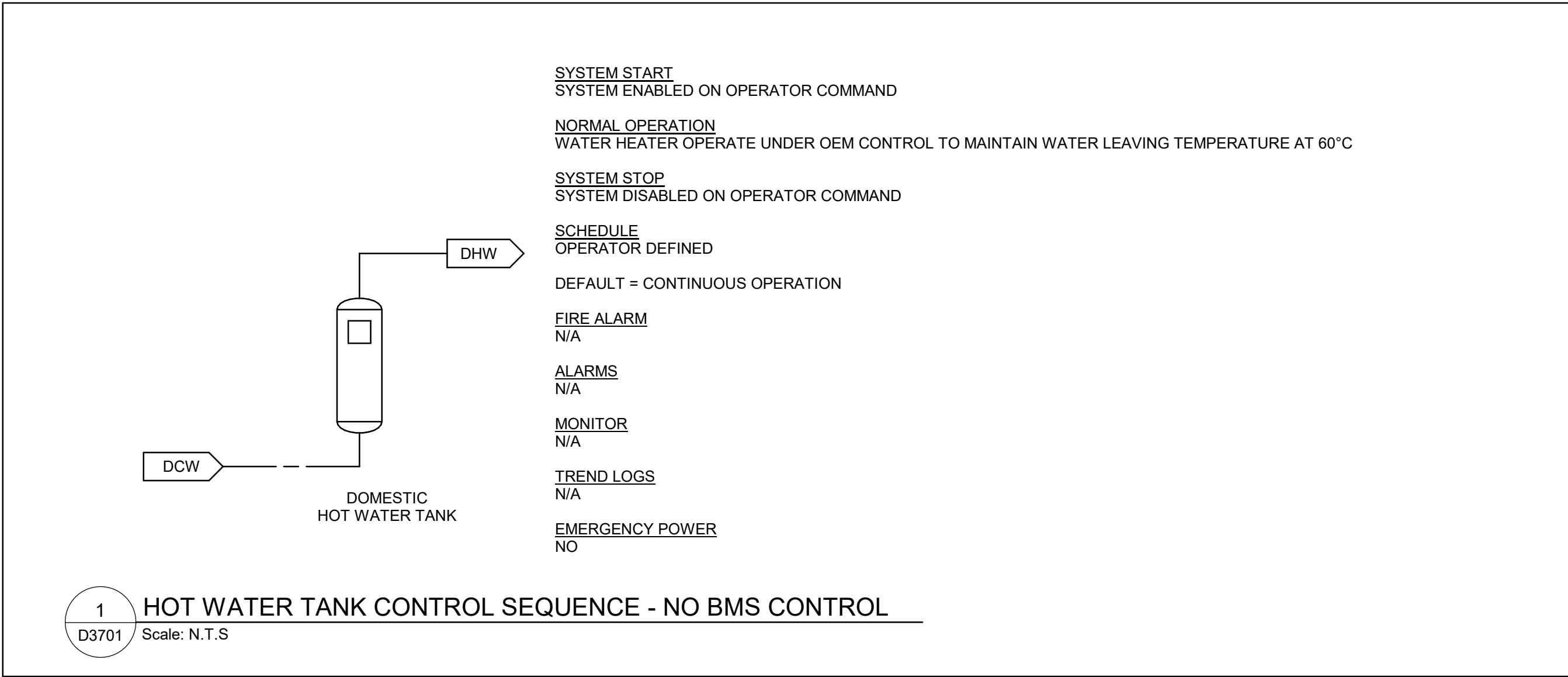
DRAWN BY: N. KHOURY	CHECKED BY: G. VERNESCU
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PROJECT MGR: F. BOLOURIAN	APPROVED BY: S. LIU
------------------------------	------------------------

SHEET TITLE  
PIPING DETAILS  
SHEET 2 OF 2

SHEET NUMBER  
G05-GAL-D3602

ISSUE  
F



ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-11-19
B	90% SUBMISSION	2022-02-22
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D	ISSUED FOR TENDER	2022-12-07
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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

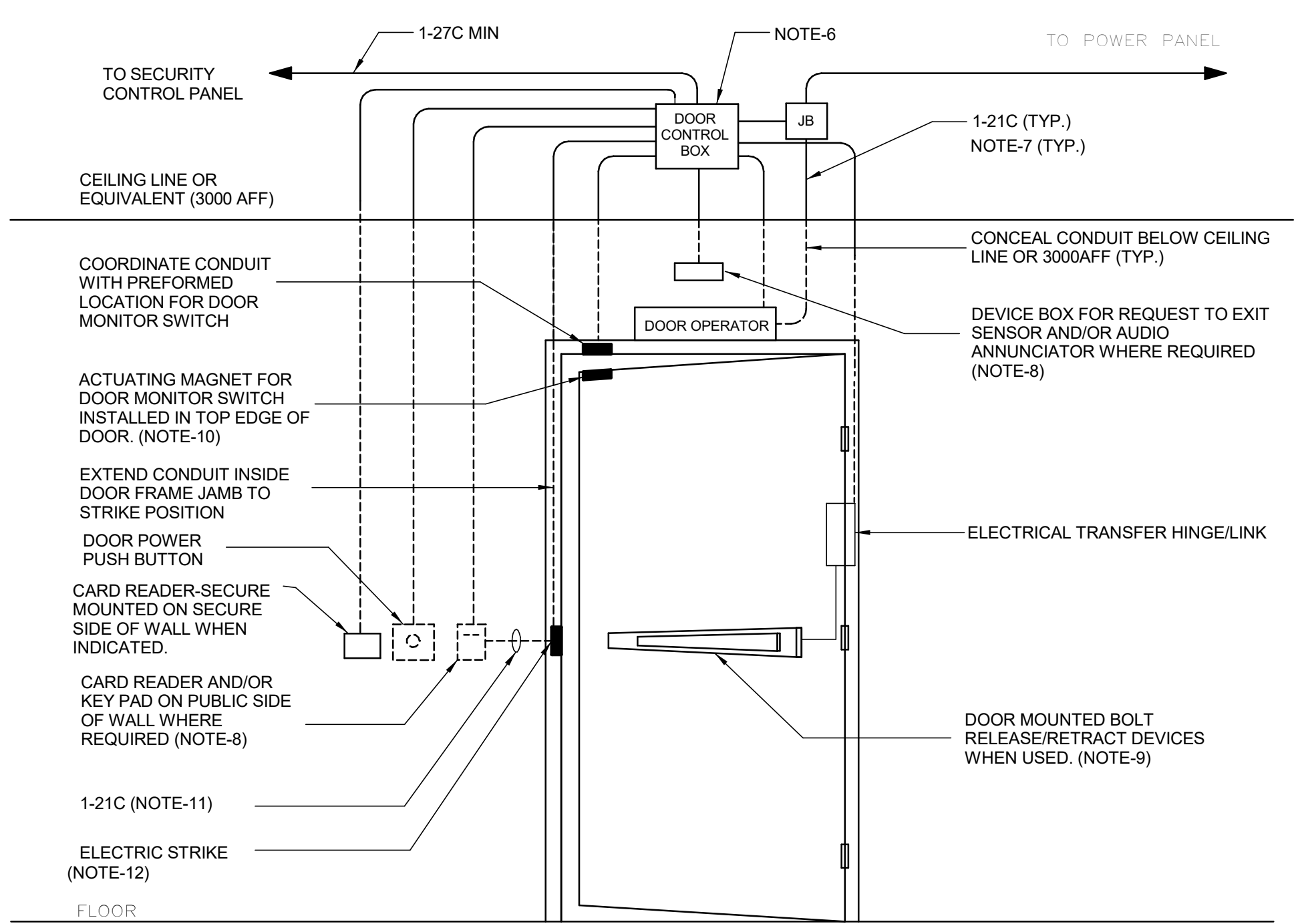
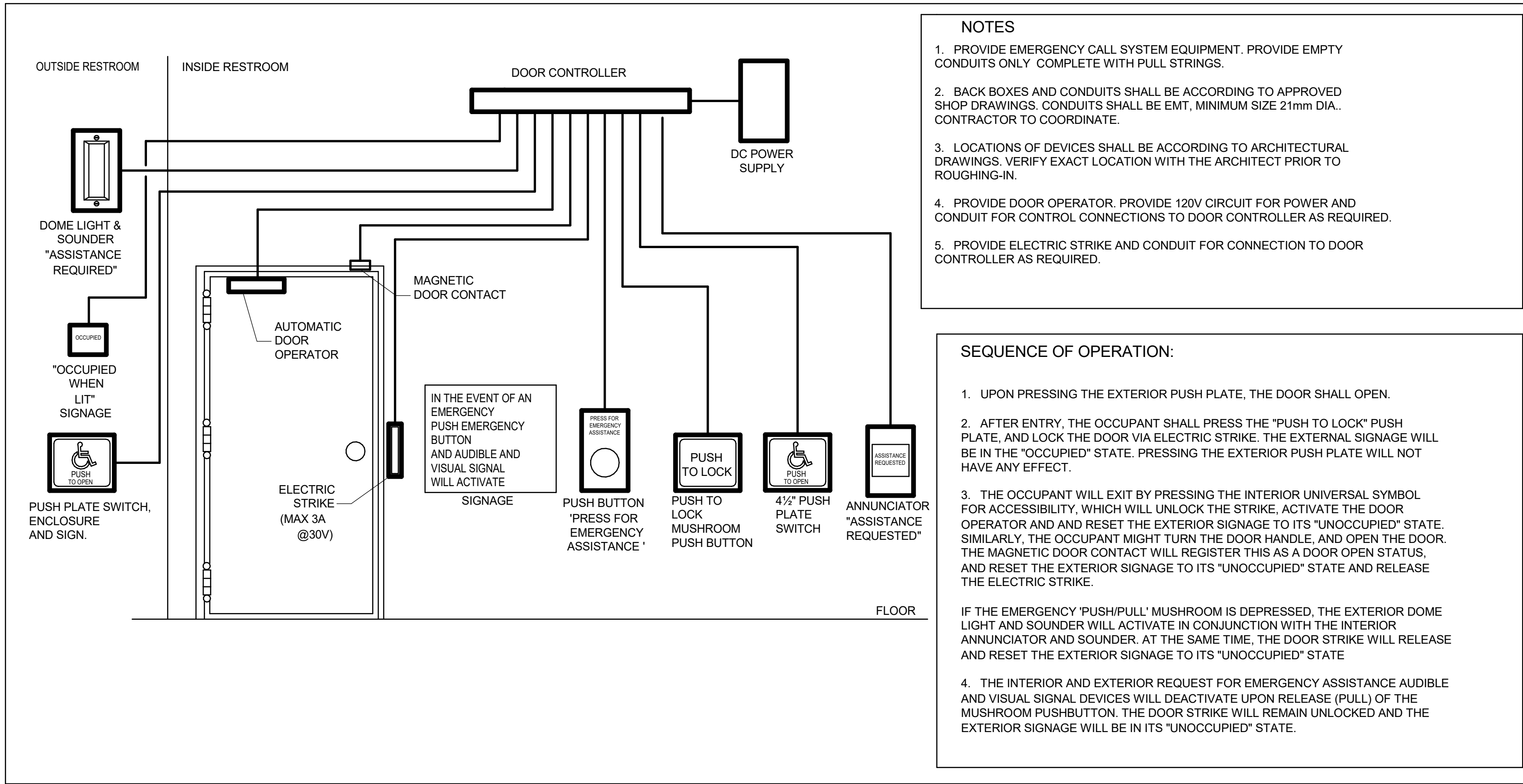
PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY: <b>N. KHOURY</b>	CHECKED BY: <b>G. VERNESCU</b>
PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>S. LIU</b>

SHEET TITLE  
**CONTROL DETAILS**

SHEET NUMBER <b>G05-GAL-D3701</b>	ISSUE <b>E</b>
--------------------------------------	-------------------





1 UNIVERSAL WASHROOM DETAIL  
D4001 Scale: NTS

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

ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2022-04-27
B	90% SUBMISSION	2022-07-29
C	ISSUED FOR PERMIT	2022-07-29
D	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056  
DRAWN BY:  
**V. MAC**  
PROJECT MGR:  
**N. FRISCI**  
CHECKED BY:  
**M. BOJIC**  
APPROVED BY:  
**P. WILLIAMS**

SHEET TITLE  
**ELECTRICAL DETAILS 1**

SHEET NUMBER <b>D4001</b>	ISSUE <b>D</b>
------------------------------	-------------------

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	ABOVE COUNTER
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 EMPTCY CONDUITS AND COMMUNICATIONS CONDUITS WITHOUT METAL WIRING/CABLES TO FACILITATE FUTURE DEDICATION.
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 INCLUDING UNDERGROUND POWER CONDUITS AND CORRESPONDING PULL POINTS FOR CONCRETE PULL BOXES OR HAND HOLES (WHERE OEC REQUIRES ADDITIONAL PULL POINTS FOR WIRING SEPARATION, PROVIDE ADDITIONAL CONCRETE PULL BOX (OR HAND HOLE) AS REQUIRED. IF AN ADDITIONAL MAN HOLE IS REQUIRED, IT IS PREFERRED TO PROVIDE AN ADDITIONAL HAND HOLE OR CONCRETE PULL BOX IF POSSIBLE.

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 **Toronto**  
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M5V 3C6

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No.	DESCRIPTION	DATE
A	50% SUBMISSION	2022-01-20
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D	ISSUED FOR TENDER	2025-04-11

SEAL



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PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY: V. MAC	CHECKED M. BOJIC
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PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>P. WILLIAMS</b>
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SHEET TITLE  
ELECTRICAL GENERAL  
NOTES

SHEET NUMBER  
G05-G4003

D



# 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



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## 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 / Arcadis 30279056

Date: 2025-04-11

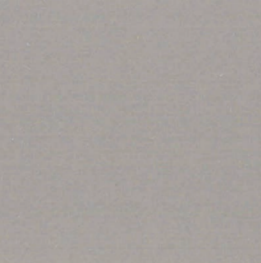
WASHROOM FINISHES	
WASHROOM / SHOWER WALLS	COLLECTION: COLOUR & DIMENSION
CWT-1	COLOUR: ARCTIC WHITE MATTE
	SIZE: 100mm X 400mm (4"X16")
	SUPPLIER: OLYMPIA
WASHROOM / SHOWER WALL ACCENT	MATCH EXISTING
CWT-2	TILE SIZE IS INDICATED ON ROOM FINISH SCHEDULE
WASHROOM / SHOWER WALL ACCENT	COLLECTION: COLOUR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



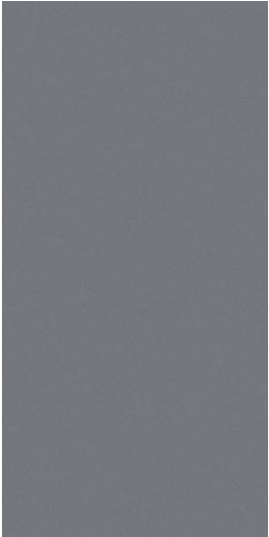
CWT-1



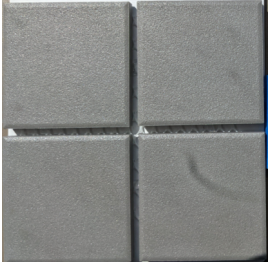
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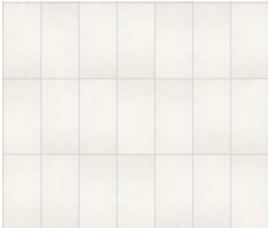
CWT-4



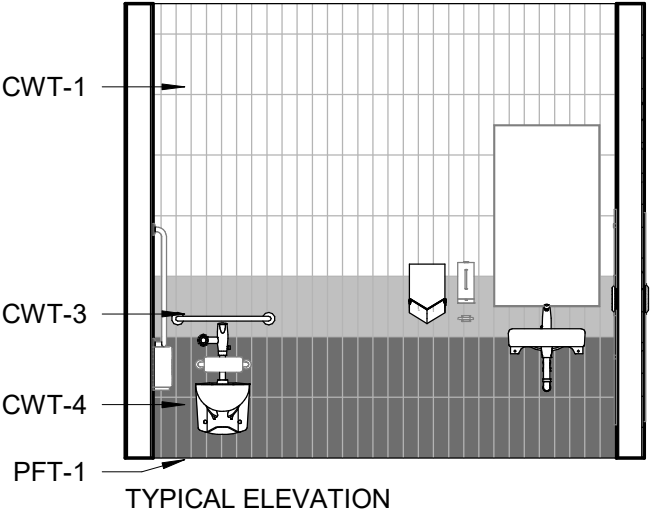
PFT-1



PFT-2



PFT-4



PICTURE 1



PICTURE 2

NOTE: PICTURES ARE ONLY FOR ILLUSTRATION PURPOSES



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DRAWING TITLE:

WASHROOM

Project No: 9119- 19- 0162 / Arcadis 30279056


















Date: 2025-04-11

Issue: ISSUED FOR TENDER

NO.

T01



  <b>SHELF: SHLF</b> GAMCO MS-18 STAINLESS STEEL MIRROR SHELF – 18"	 <b>SOAP DISH: SDI-1</b> RECESSED MOUNTED SOAP DISH, HEAVY DUTY STAIN FINISH STAINLESS STEEL. BRADLEY MODEL NO. SA16	 <b>SOAP DISPENSER: SD-1</b> WALL MOUNTED, AUTOMATIC STAINLESS STEEL WITH STAIN FINISH, CLEAR ACRYLIC REFILL INDICATOR WINDOW AND KEY LOCK. BRADLEY 6A00-11.	  <b>L-SHAPED GRAB: GRB-1</b> 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)	  <b>L-SHAPED GRAB: GRB-2</b> 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)	
	 <b>SOAP DISH: SDI-2</b> SURFACE MOUNTED, STAINLESS STEEL, TYPE 304 FLANGE. BRADLEY MODEL NO. 901	 <b>SOAP DISPENSER: SD-2</b> COUNTER MOUNTED, TOUCH FREE, ONE PIECE, CAST BRASS CONSTRUCTION ABOVE DECK, SINGLE MOUNT FOAM SOAP DISPENSER WITH ADJUSTABLE SENSOR. MOEN, MODEL NO. 8560			
<b>COAT HOOK: CTH-1</b> B-983 STAINLESS STEEL, 14- GAUGE AUTO-RELEASE CLOTHES HOOK WITH EXPOSED STAIN FINISH, FACEPLATE WITH SLOPED EDGES. 	  <b>HAND DRYER: HNDR</b> DYSON SPRAYED NICKEL 307174-01, NET WEIGHT: 2.9 KG / 6.17 LBS. H:39.3CM X W:19CM X D:10CM				
<b>COAT HOOK: CTH-2</b> B-2116 12-GAUGE (2.7mm) CASE HARDENED STEEL. ONE PIECE BRASS CASTING WITH SATIN NICKEL-PLATED FINISH 					
 <b>TOILET TISSUE DISPENSER: TPD</b> 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.	 <b>MIRROR: MIR</b> 6 MM" FLOAT GLASS, SELECTED FOR SILVERING, ELECTROLYTICALLY COPPER-PLATED BY GALVANIC PROCESS FURNISH UNITS IN TYPE 430 STAINLESS STEEL FRAMING	<b>GRAB BAR: GRB-3</b> 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)	<b>GRAB BAR: GRB-4</b> 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)	<b>GRAB BAR: GRB-5</b> 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)	
<div><div>100 - 175 Galaxy Blvd, Toronto, ON M9W 0C9, Canada tel 416 679 1930 www.arcadis.com</div></div> <div><div>CITY OF TORONTO ACCESSIBILITY UPGRADES CITY OF TORONTO ACCESSIBILITY UPGRADES</div></div>		DRAWING TITLE:  WASHROOM ACCESSORIES		Project No: 9119- 19- 0162 / Arcadis 30279056  Date: 2025-04-11  Issue: ISSUED FOR TENDER	NO.  T02



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



**PAPER TOWEL DISPENSER AND WASTE RECEPTACLE: PTD/WR (R)**  
RECESSED CONVERTIBLE B-3940: 18-8, TYPE 304, HEAVY-GAUGE STAINLESS STEEL. EXPOSED SURFACES HAVE STAIN-FINISH.



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



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



**PAPER TOWEL DISPENSER: PTD (R)**  
RECESSED B-35903: TYPE 304, HEAVY-GAUGE STAINLESS STEEL. ALL-WELDED CONSTRUCTION. EXPOSED SURFACES HAVE STAIN-FINISH.



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DRAWING TITLE:  
**WASHROOM ACCESSORIES**

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

**Date:** 2025-04-11

**Issue:** ISSUED FOR TENDER

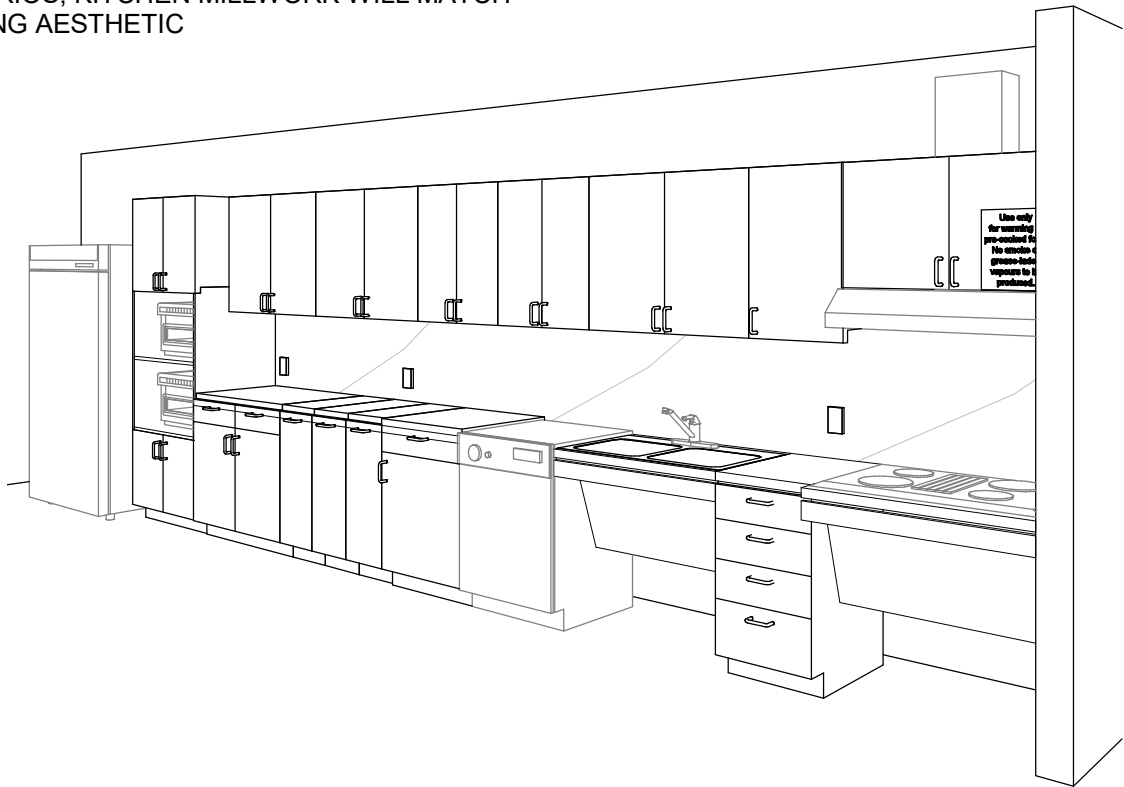
**NO.**

**T02.1**

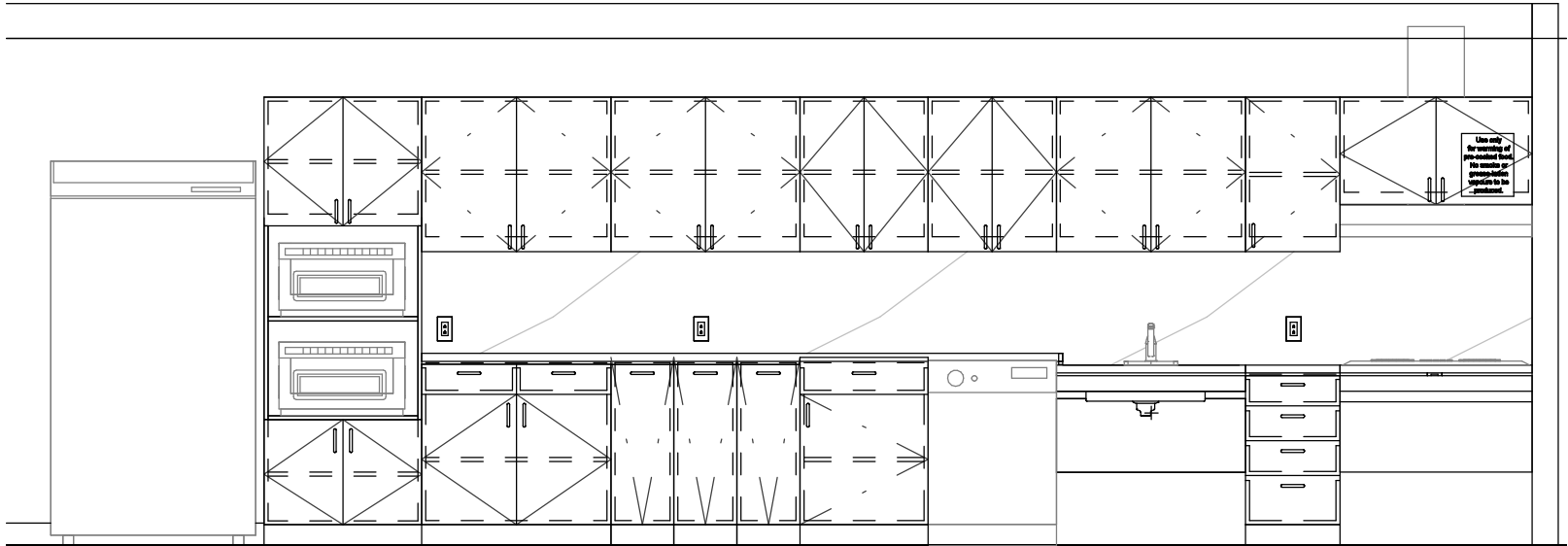


 <p><b>WALL MOUNTED SINK: (BARRIER FREE USE) L1H</b> DECORUM WALL HUNG LAVATORY WITH EVERCLEAN 9024.001EC.020 - VITREOUS CHINA, WHITE FINISH, WITH SINGLE FAUCET HOLE AND OVERFLOW</p>	 <p><b>COUNTER-MOUNTED SINK: L1</b> WHITE, SELF-RIMMING, REAR/FRONT OVERFLOW, DRILLED FOR 100 MM SUPPLY FITTING. AMERICAN STANDARD "AQUALYN" #0475.047.020 518 X 441 MM</p>	 <p><b>COUNTER-MOUNTED SINK: (BARRIER FREE USE) L2H</b> 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</p>	 <p><b>WALL MOUNTED SINK C/O WITH SHROUD: (BARRIER FREE USE) L3H</b> DECORUM WALL HUNG LAVATORY WITH EVERCLEAN NO. 9134.001EC/0059.020EC SHROUD - VITREOUS CHINA, WHITE FINISH, WITH SINGLE FAUCET HOLE AND OVERFLOW</p>	 <p><b>UNDER-MOUNTED SINK: (BARRIER FREE USE) L4H</b> WHITE, FOR BARRIER FREE USE WITH REAR OVERFLOW AND UNDERMOUNT CLIPS AMERICAN STANDARD OVALYN UNICERSAL ACCESS 9482.000 489 X 400MM</p>	<p><b>DRINKING FOUNTAIN</b></p>  <p><b>DRINKING FOUNTAIN: DF</b> 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.</p>
<p><b>FAUCET: TO BE USED WITH ALL LAVATORY TYPES</b> MOEN ALIGN SENSOR FAUCET - 8559 ELECTRONIC 'NO-TOUCH' HARDWIRED POWERED FAUCET</p>					
 <p><b>TOILET: W1H</b> <u>WALL HUNG</u> - WHITE FINISH - VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE. NO. 3351.101.002</p>	 <p><b>TOILET: W2H</b> <u>FLOOR MOUNTED</u> WHITE FINISH - VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE. NO. 3461.001.020</p>	 <p><b>TOILET WITH TANK: W3H</b> <u>FLOOR MOUNTED</u> WHITE FINISH - VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE. PA TANK, 1.1 GPF WHITE</p>	 <p><b>URINAL: U1H</b> WALL HUNG 6590.001.020 - WASHBROOK FLOWISE - EXTENDED SIDES FOR PRIVACY - WASHDOWN ACTION - FLUSHING RIM - 19 MM DIA.</p>		
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ONLY WHEN ENTIRE KITCHEN MILLWORK IS TO BE REMOVED (UPPER AND LOWERS) ALL OTHER SCENARIOS, KITCHEN MILLWORK WILL MATCH EXISTING AESTHETIC

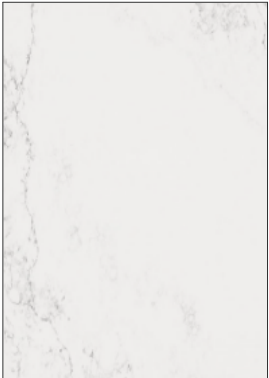


PERSPECTIVE: N.T.S



ELEVATION: N.T.S

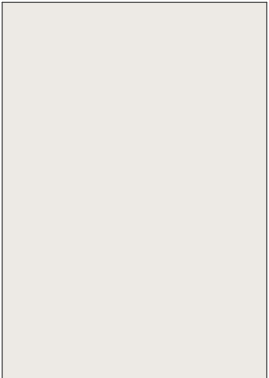
PERSPECTIVE & ELEVATION VIEWS ARE REPRESENTATIVE ONLY - REFER TO BUILDING-SPECIFIC DRAWINGS



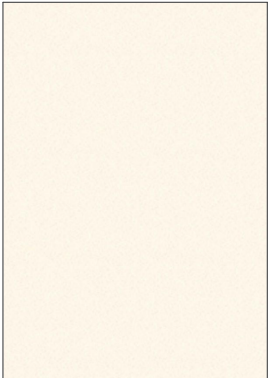
**COUNTERTOP AND BACKSPLASH: Q-1**  
CAESARSTONE - QUARTZ  
SUPERNATURAL COLLECTION  
1111 VIVID WHITE



**CABINETS: PLAM-1**  
PLASTIC LAMINATE  
WILSONART NORTH  
SEA D90



**PAINT: PT-1**  
SHERWIN WILLIAMS SW  
7004 SNOWBOUND  
PAINT SHIELD EGGSHEL  
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 / Arcadis 30279056

Date: 2025-04-11

Issue: ISSUED FOR TENDER

NO.

T04



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DRAWING TITLE:

RESERVED

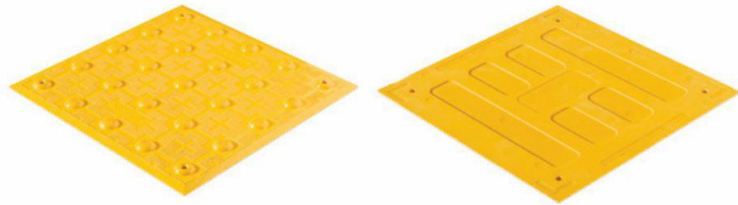
Project No: 9119- 19- 0162 / Arcadis 30279056

Date: 2025-04-11

Issue: ISSUED FOR TENDER

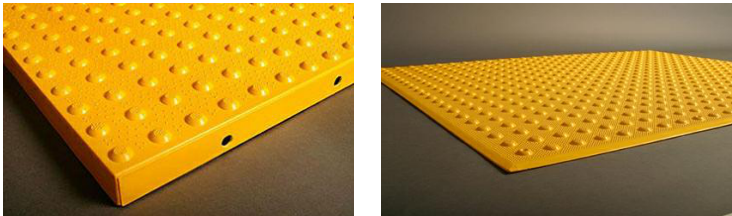
NO.

T05



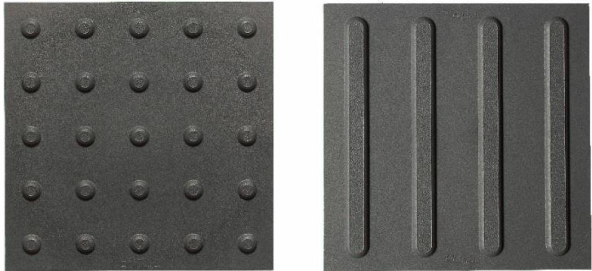
TA - 1a (SURFACE MOUNTED) INTERIOR AND EXTERIOR  
TA - 1b (CAST IN PLACE) EXTERIOR  
TA - 1c (SURFACE MOUNTED FIRE RATED) INTERIOR

- 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



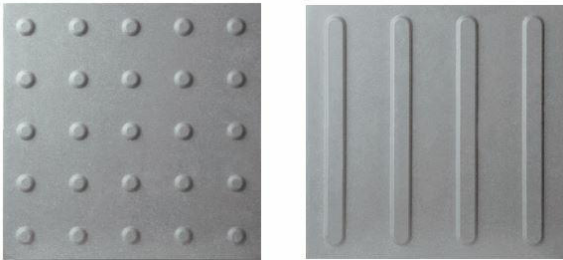
TA - 2a (SURFACE MOUNTED) INTERIOR AND EXTERIOR  
TA - 2b (CAST IN PLACE) EXTERIOR

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



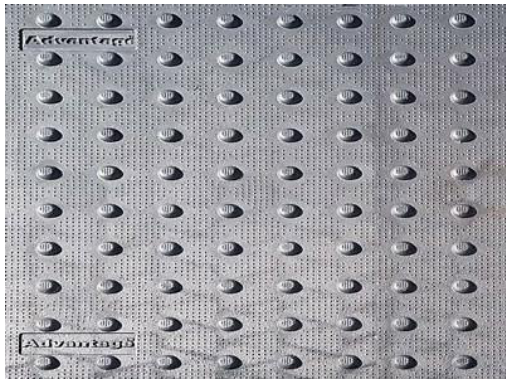
TA - 3

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



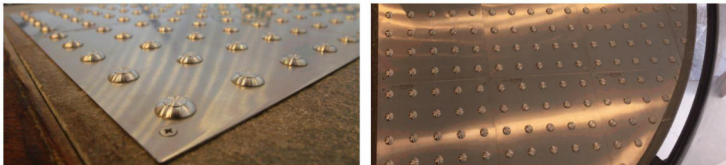
TA - 4

- 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



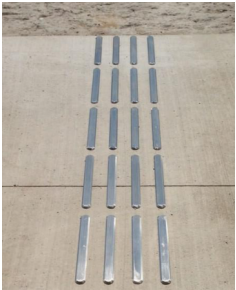
TA - 6

- 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



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DRAWING TITLE:

TACTILE ATTENTION INDICATORS

Project No: 9119- 19- 0162 / Arcadis 30279056

Date: 2025-04-11

Issue: ISSUED FOR TENDER

NO.

T06





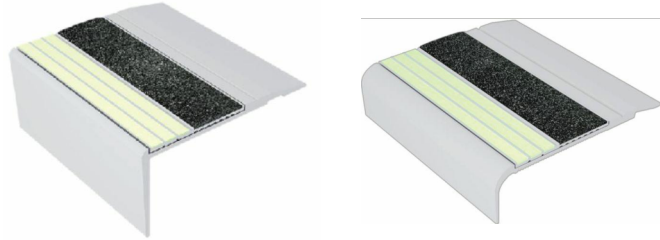
**TA - 11 INTERIOR AND EXTERIOR TEXTURAL WARNING STRIP**

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



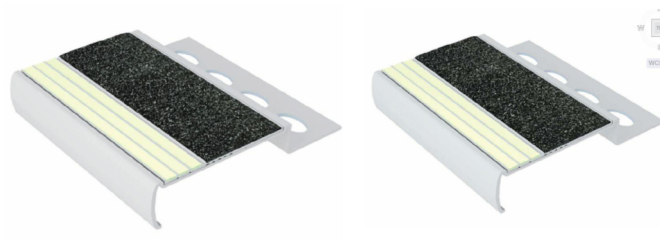
**TA - 12 EXTERIOR CAST IN PLACE CONTRAST AND TEXTURAL WARNING STRIP**

- 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



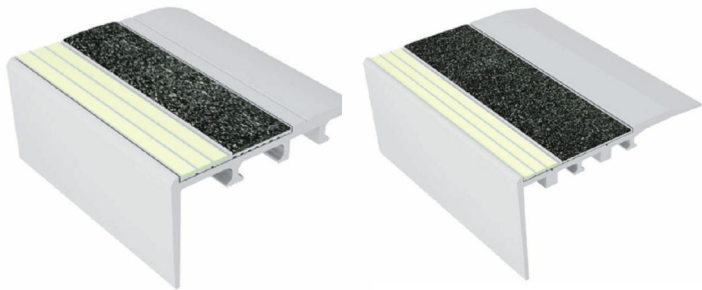
**TA - 16 INTERIOR AND EXTERIOR USE (ON EXISTING) ON SMOOTH SURFACES STAIR NOSING FOR: TILE, CONC, WOOD, CARPET, VINYL.**

- 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.



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DRAWING TITLE:  
**TEXTURAL & COLOUR CONTRAST  
WARNING STRIP AND NOSING**

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

**Date:** 2025-04-11

**Issue:** ISSUED FOR TENDER

**NO.**

**T07**

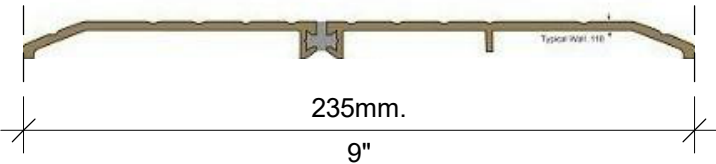
TH-1a

SMOOTH 6" WIDE THRESHOLD WITH ANTI-SLIP COATING



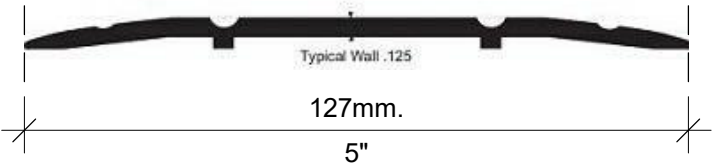
TH-2a

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)





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9119-19-0162 / Arcadis 30279056

POLICE EMERGENCY TASK FORCE  
300 LESMILL RD.



CITY OF TORONTO



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ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-11-19
B	90% SUBMISSION	2022-02-22
C	ISSUED FOR PERMIT	2022-03-18
D	ISSUED FOR TENDER	2023-04-11

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PROGRAM GROUP 05

NOT FOR CONSTRUCTION

ISSUED FOR TENDER



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PROJECT NO: 9119-19-0162 / Arcadis 30279056	
DATE: 2023-04-11	
SHEET NUMBER G05-175-G0001	ISSUE D



GENERAL DRAWING INDEX	
SHEET NUMBER	SHEET NAME
G0001	COVER SHEET
G0002	DRAWING LIST & OBC MATRIX

ARCHITECTURAL DRAWING INDEX	
SHEET NUMBER	SHEET NAME
A1001	DEMOLITION PLAN SITE PLAN
A1002	DEMOLITION SITE PLAN - ENLARGED PLAN
A1201	SITE PLAN
A1301	ENLARGED SITE PLAN
A2011	PARTIAL FIRST FLOOR DEMOLITION PLAN
A2101	BASEMENT OVERALL PLAN
A2111	FIRST FLOOR STAGING PLAN
A2121	SECOND FLOOR OVERALL PLAN
A2411	PARTIAL FIRST FLOOR PROPOSED PLAN
A2611	PARTIAL FIRST FLOOR FINISH PLAN
A2811	PARTIAL FIRST FLOOR REFLECTED CEILING PLAN
A3011	BUILDING ELEVATIONS
A5011	UNIVERSAL WASHROOM PLANS/ELEVATIONS
A5311	COFFEE ROOM & KITCHENETTE PLANS & ELEVATIONS
A8010	SIGNAGE & WAYFINDING DETAILS LEVEL 1 LOCATION PLAN
A8100	SIGNAGE & WAYFINDING DETAILS MESSAGE SCHEDULE
A9001	DOOR AND ROOM FINISH SCHEDULES

STRUCTURAL DRAWING INDEX	
SHEET NUMBER	SHEET NAME
S0001	DRAWING LIST
S2401	SITE PLAN
S5200	PLANS, SECTION - STAIRS
S5201	STAIRS - PLANS, SECTION, DETAILS
S5400	PLANS, SECTION - ESCALATORS
S5700	PLANS, SECTION - SOG
S6000	PLANS, SECTION - DEMOLITIONS
S6200	PLANS, SECTION - STAIRS
S6300	PLANS, SECTION - ELEVATORS
S6400	PLANS, SECTION - ESCALATORS
S6900	PLANS, SECTION - MISC

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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**Arcadis Professional Services (Canada) Inc.**

ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-11-19
B	90% SUBMISSION	2022-02-22
C	ISSUED FOR PERMIT	2022-03-18
D	ISSUED FOR TENDER	2025-04-11

CONSULTANTS

SEAL

PRIME CONSULTANT



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

PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS  
POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.

PROJECT NO:  
9119-19-0162 / Arcadis 30279056  
DRAWN BY:  
A. BOYNARIAN  
PROJECT MGR:  
F. BOLOURIAN  
CHECKED BY:  
K. TILAHUN  
APPROVED BY:  
E. FENUTA

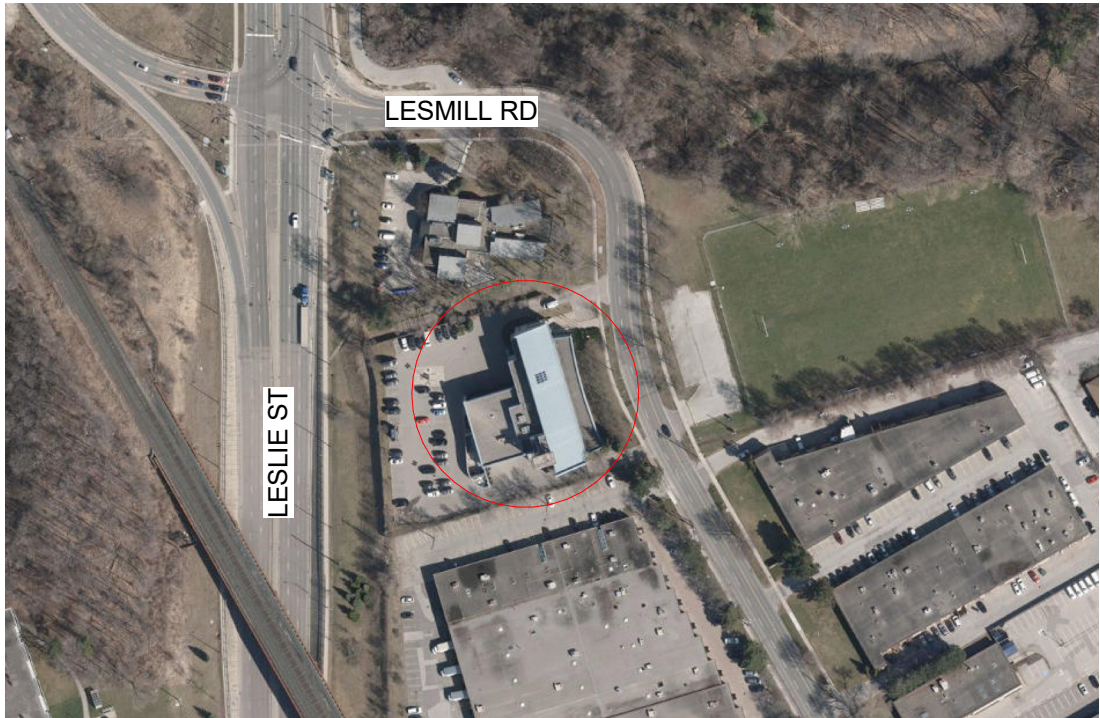
SHEET TITLE  
DRAWING LIST & OBC  
MATRIX

SHEET NUMBER	ISSUE
G05-175-G0002	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 TORONTO EMERGENCY TASK FORCE BUILDING ACCESSIBILITY UPGRADES Location 300 LESMILL RD, NORTH YORK, ON M3B 3P4			
ITEM	Ontario's 2012 Building Code Data Matrix Part 3 or 9			OBC REFERENCE References are to Division B unless noted (A) for Division A or (C) for Division C		REMARKS	
	1. PROJECT DESCRIPTION	<div><div><input type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> CHANGE OF USE</div><div><input checked="" type="checkbox"/> Alteration</div></div>	<input checked="" type="checkbox"/> PART 11	<input checked="" type="checkbox"/> PART 3	<input type="checkbox"/> PART 9		
2. MAJOR OCCUPANCY(S) SUBSIDIARY OCCUPANCY(S)	GROUP F DIVISION 2 - MEDIUM HAZARD INDUSTRIAL OCCUPANCIES GROUP D - BUSINESS AND PERSONAL SERVICE OCCUPANCIES GROUP C - RESIDENTIAL OCCUPANCIES			1.1.2. [A]	1.1.2. [A] & 9.10.1.3.	EXISTING NO CHANGE	
3. BUILDING AREA (m²)	EXISTING - 1741.1	NEW - 0	TOTAL - 1741.1	1.4.1.2. [A]	1.4.1.2. [A]		
4. GROSS AREA (m²)	EXISTING - 3448	NEW - 0	TOTAL - 3448	1.4.1.2. [A]	1.4.1.2. [A]	EXISTING NO CHANGE	
5. NUMBER OF STOREYS	ABOVE GRADE - 2	BELOW GRADE - 1	PARTIAL	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	EXISTING NO CHANGE			3.2.2.10. & 3.2.5.	9.10.20.		
7. BUILDING CLASSIFICATION -	EXISTING NO CHANGE			3.2.2.67.	9.10.2.		
8. SPRINKLER SYSTEM PROPOSED	<input checked="" type="checkbox"/> ENTIRE BUILDING <input type="checkbox"/> SELECTED COMPARTMENTS <input type="checkbox"/> SELECTED FLOOR AREAS <input type="checkbox"/> BASEMENT <input type="checkbox"/> NOT REQUIRED <input type="checkbox"/> IN LIEU OF ROOF RATING			3.2.2.67 3.2.1.5 3.2.2.17 INDEX	9.10.8.2   INDEX	EXISTING NO CHANGE	
9. STANDPIPE REQUIRED STANDPIPE PROVIDED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			3.2.9.	N/A	EXISTING NO CHANGE	
10. FIRE ALARM REQUIRED FIRE ALARM PROVIDED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			3.2.4.	9.10.18.	EXISTING NO CHANGE	
11. WATER SERVICE/SUPPLY IS ADEQUATE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			3.2.5.7.	N/A	EXISTING NO CHANGE	
12. HIGH BUILDING	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			3.2.6.	N/A		
13. CONSTRUCTION RESTRICTIONS ACTUAL CONSTRUCTION	<input type="checkbox"/> COMBUSTIBLE PERMITTED <input type="checkbox"/> NON-COMBUSTIBLE REQUIRED <input type="checkbox"/> BOTH <input type="checkbox"/> COMBUSTIBLE <input checked="" 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)	LISTED DESIGN NO. OR DESCRIPTION (SB-2)		3.2.2.67. & 3.2.1.4.	9.10.8. 9.10.9.		
	FLOORS	NO CHANGE					
	ROOF	NO CHANGE					
	MEZZANINE	N/A					

ITEM	Ontario's 2012 Building Code Data Matrix Part 3 or 9										OBC REFERENCE References are to Division B unless noted (A) for Division A or (C) for Division C		REMARKS	
	18b. REQUIRED FIRE RESISTANCE RATING (FRR)	FRR OF SUPPORTING MEMBERS		LISTED DESIGN NO. OR DESCRIPTION (SB-2)						SB-2 TABLE 2.1.1.				
		FLOORS								NO CHANGE				
		ROOF								NO CHANGE				
	MEZZANINE								SB-2 TABLE 2.1.1.					
19.	SPATIAL SEPARATION - CONSTRUCTION OF EXTERIOR WALLS										3.2.3.	9.10.14.	EXISTING NO CHANGE	
	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. NONC-GLAZING	NON-COMB. CONST.			
	NORTH					-	0	-	-	-	-			
	SOUTH					-	0	-	-	-	-			
	EAST					-	0	-	-	-	-			
	WEST					-	0	-	-	-	-			
20.	PLUMBING FIXTURE REQUIREMENTS										-			
	MALE / FEMALE COUNT @ _____ % / _____ % EXCEPT AS NOTED OTHERWISE										ALTERATION TO EXISTING BARRIER FREE WASHROOM. NO CHANGES IN FIXTURE NUMBERS		<input checked="" type="checkbox"/> PART 3	<input type="checkbox"/> PART 9
	MAJOR OCCUPANCY _____		OCCUPANT LOAD		OBC TABLE NUMBER		FIXTURES REQUIRED		FIXTURES PROVIDED		3.7.4.9.			
			38 MALE		3.7.4.9.		3		7		3.7.4.9.			
			38 FEMALE		3.7.4.9.		3		7		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 REFERENCE		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 EXTENSIVE RENOVATION								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:								11.4.2. 11.4.2.1. 11.4.2.2. 11.4.2.3.			
			<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	COMPENSATING CONSTRUCTION:		STRUCTURAL:  BY INCREASE IN OCCUPANT LOAD:  BY CHANGE OF MAJOR OCCUPANCY:  PLUMBING:  SEWAGE SYSTEM:								11.4.3 11.4.3.2  11.4.3.3  11.4.3.4  11.4.3.5  11.4.3.6			
			<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)											
11.5	COMPLIANCE ALTERNATIVES PROPOSED:		<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (GIVE NUMBERS)								11.5.1			





2  
A1301



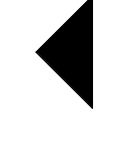
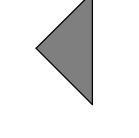
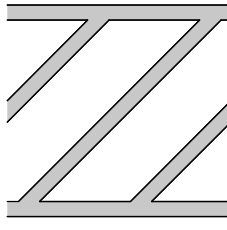
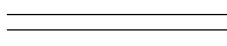

**KEY PLAN**  
Scale: NTS



1  
A1301

**SITE PLAN - DEMOLITION PLAN**  
Scale: 1 : 200

**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.

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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	2021-11-19
B	90% SUBMISSION	2022-02-22
C	ISSUED FOR PERMIT	2022-03-18
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SEAL

PRIME CONSULTANT  
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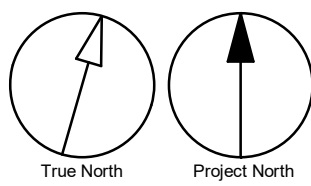
PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS  
**POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.**

PROJECT NO:  
9119-19-0162 / Arcadis 30279056  
DRAWN BY:  
**A. BOYNARIAN**  
CHECKED BY:  
**K. TILAHUN**  
PROJECT MGR:  
**F. BOLOURIAN**  
APPROVED BY:  
**E. FENUITA**

SHEET TITLE  
**DEMOLITION PLAN SITE  
PLAN**

SHEET NUMBER  
**G05-175-A1001**  
ISSUE  
**D**





4/9/2025 3:54:07 PM



PHOTO 1: EXTERIOR RAMP



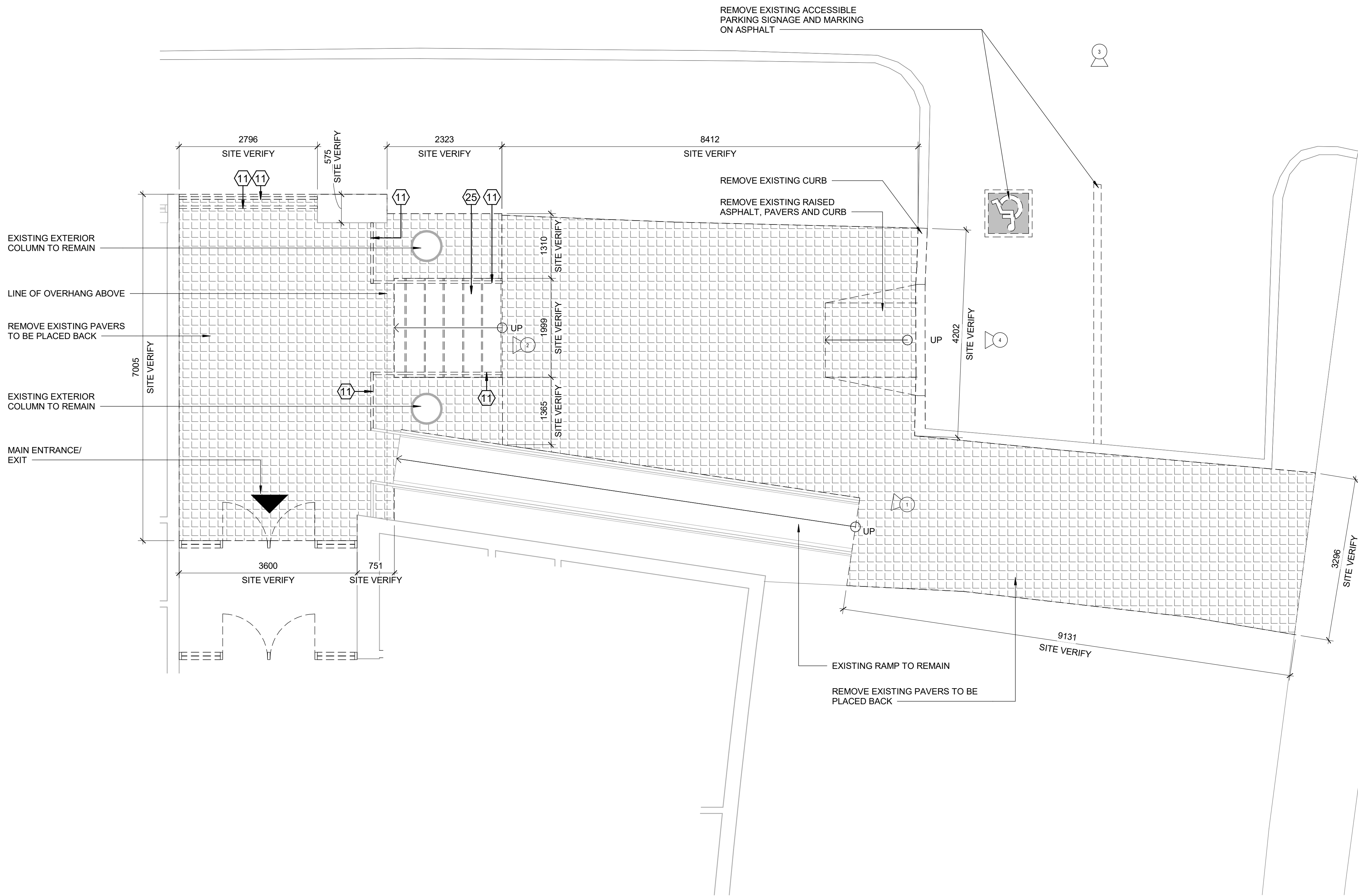
PHOTO 2: EXTERIOR STAIR



PHOTO 3: EXISTING PARKING SPACES



PHOTO 4: EXISTING CURB RAMP



#### 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

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#### DEMOLITION KEY NOTES

- | NO | DESCRIPTION  |
|----|--|
| 11 | REMOVE EXISTING GUARDRAIL, HANDRAIL AND/OR HANDRAIL POST BASE. REPAIR 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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Arcadis Professional Services (Canada) Inc.

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PROJECT TITLE  
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ACCESSIBILITY UPGRADES**

PROJECT ADDRESS  
**POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.**

PROJECT NO:  
9119-19-0162 / Arcadis 30279056

DRAWN BY:  
**A. KVASNIUK**

CHECKED BY:  
**K. TILAHUN**

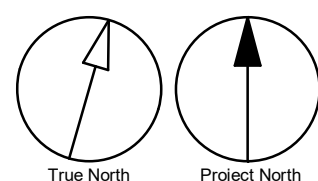
PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**E. FENUA**

SHEET TITLE  
**DEMOLITION SITE PLAN -  
ENLARGED PLAN**

SHEET NUMBER  
**G05-175-A1002**

ISSUE  
**D**



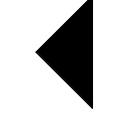
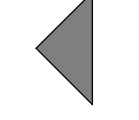
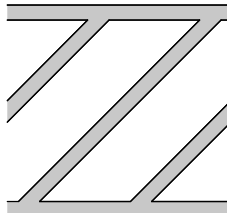




Autodesk Docs // 122260 - Cot TAU Upgrades R2020122260-TAU-5-175-300L-SNL-A-R20.rvt 1/1m





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.
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KEYPLAN

CONSULTANTS

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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

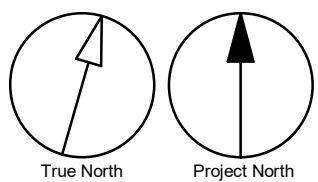
PROJECT ADDRESS  
**POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.**

PROJECT NO:  
9119-19-0162 / Arcadis 30279056

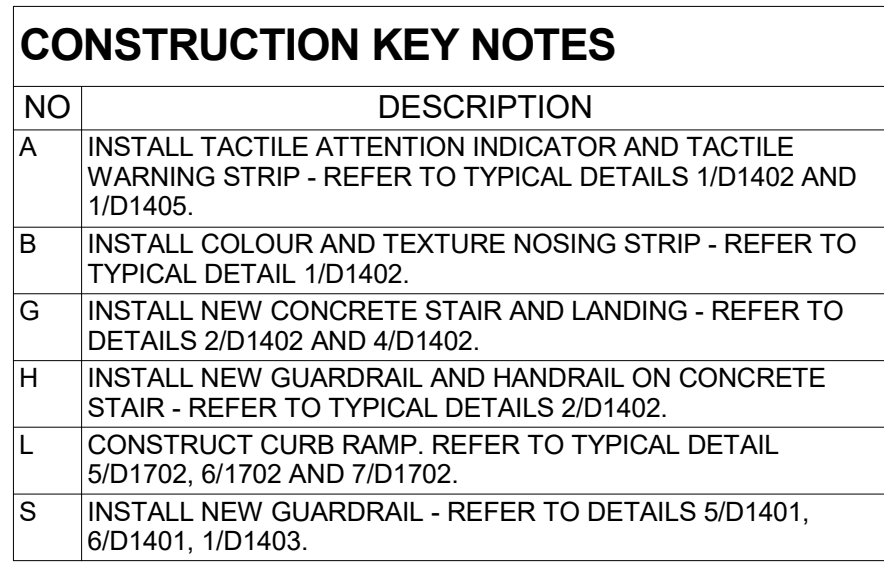
DRAWN BY: <b>A. BOYNARIAN</b>	CHECKED BY: <b>K. TILAHUN</b>
PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>E. FENUTA</b>

SHEET TITLE  
**SITE PLAN**

SHEET NUMBER <b>G05-175-A1201</b>	ISSUE <b>D</b>
--------------------------------------	-------------------







SHEET TITLE	
ENLARGED SITE PLAN	
SHEET NUMBER	ISSUE
G05-175-A1301	D



Scale 1:50



PHOTO 1: EXISTING LOCATION OF EXISTING INTERCOM AND EMERGENCY TELEPHONE



PHOTO 2: KITCHENETTE 105



PHOTO 3: COFFEE ROOM 138



PHOTO 4: COFFEE ROOM 138



PHOTO 5: EXISTING DOOR TO BE WIDENED



PHOTO 6: EXISTING DOOR TO BE WIDENED



PHOTO 7: EXISTING DOOR TO BE WIDENED



PHOTO 8: REMOVE EXISTING DOOR, GLAZING AND FRAME

### 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
1	REMOVE EXISTING WALL AND/OR COLUMN ENCLOSURE INCLUDING BUT NOT LIMITED TO TILE, CORNER GUARDS, METAL PANELS, WALL MOUNTED FIXTURES AND FINISHES AS INDICATED. PROVIDE SMOOTH TRANSITION BETWEEN SURFACES AT LOCATION OF DEMOLISHED AREA.
3	REMOVE EXISTING FLOORING AND BASE. REMOVE EXISTING TILE FLOORING TO CLOSEST FULL TILE OR TO EXTENT SHOWN. REPAIR, LEVEL AND CLEAN SURFACE READY TO RECEIVE NEW FLOOR FINISHES. REFER TO FINISH SCHEDULE.
4	REMOVE EXISTING CEILING TO THE EXTENT OF THE PROPOSED ROOM SIZE.
5	REMOVE EXISTING DOOR AND FRAME. CUT PARTITION TO ACCOMMODATE NEW DOOR AND FRAME. REPAIR ADJACENT AFFECTED WALL SURFACES. REFER TO DETAIL D1002 AND D102300.
6	REMOVE EXISTING PLUMBING FIXTURES AND WASHROOM ACCESSORIES, CAP PLUMBING PIPES.
7	REMOVE EXISTING MILLWORK.
28	REMOVE EXISTING WASHROOM ACCESSORIES AND PREPARE WALL SURFACE FOR NEW ACCESSORIES. PATCH, REPAIR AND MAKE GOOD EXISTING WALL AND WALL FINISHES.
30	REMOVE CURTAIN WALL, GLAZING, EXTERIOR DOOR AND HARDWARE.

G.C. TO RELOCATE EXISTING APPLIANCES, LOCATION TO BE DEFINED BY STAKEHOLDER

REMOVE EXISTING SOAP DISPENSERS AND PAPER TOWEL DISPENSER TO BE RELOCATED

EXISTING PIPES TO REMAIN

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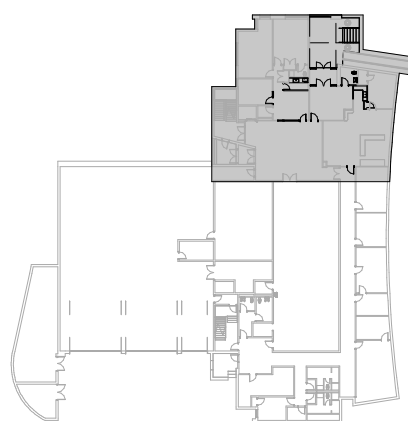
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Toronto, ON M9W 0C9, Canada  
tel 416 679 1930  
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#### PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

#### PROJECT ADDRESS

POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.

#### PROJECT NO:

9119-19-0162 / Arcadis 30279056

#### DRAWN BY:

A. BOYNARIAN

#### CHECKED BY:

K. TILAHUN

#### PROJECT MGR:

F. BOLOURIAN

#### APPROVED BY:

E. FENUTA

#### SHEET TITLE

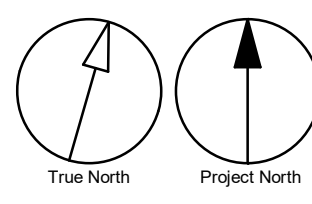
PARTIAL FIRST FLOOR  
DEMOLITION PLAN

#### SHEET NUMBER

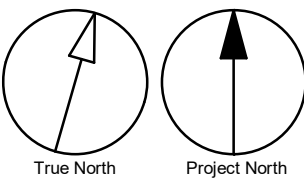
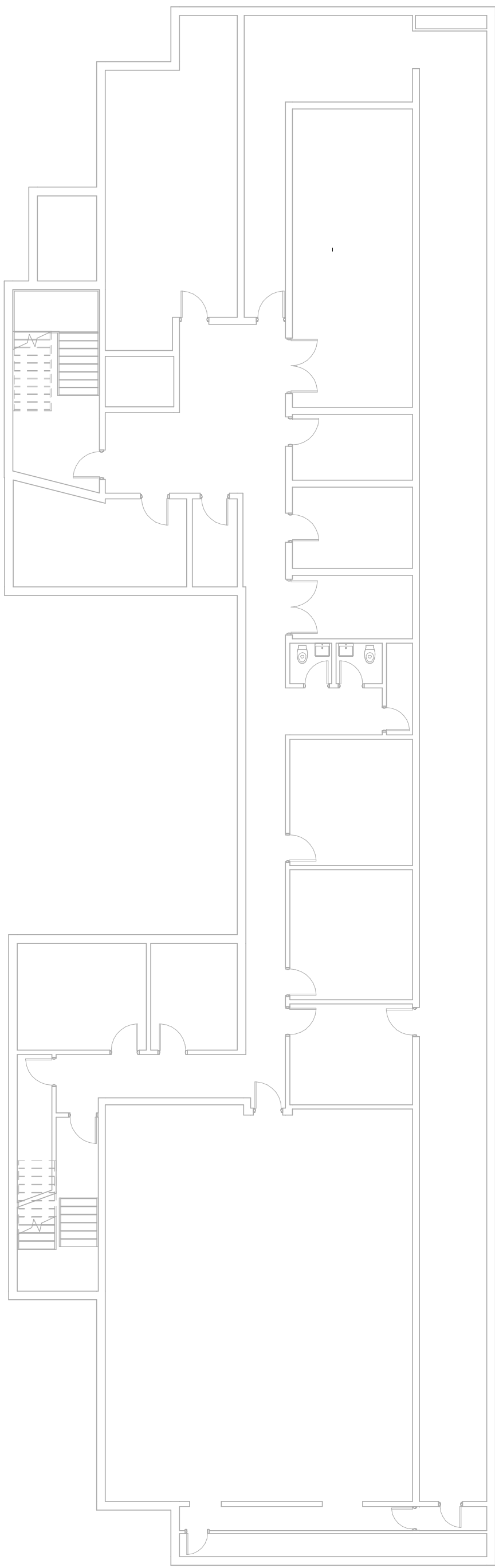
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PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.

PROJECT NO:

9119-19-0162 / Arcadis 30279056

DRAWN BY:

A. BOYNARIAN

CHECKED BY:

K. TILAHUN

PROJECT MGR:

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APPROVED BY:

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SHEET TITLE

BASEMENT OVERALL  
PLAN

SHEET NUMBER

G05-175-A2101

ISSUE

D

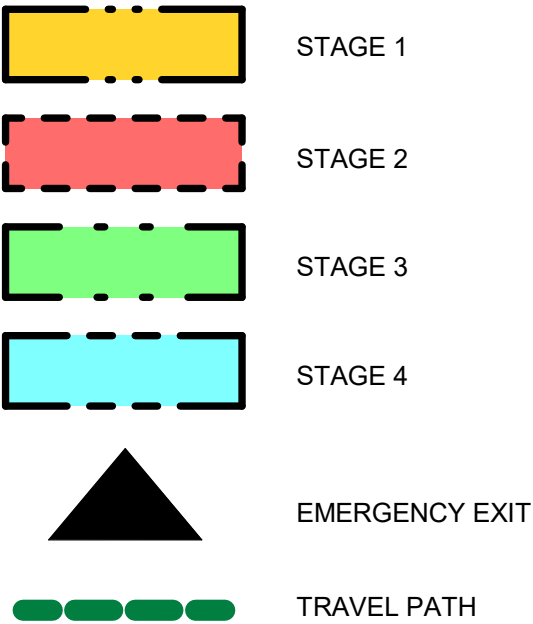
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#### CONSTRUCTION STAGING LEGEND



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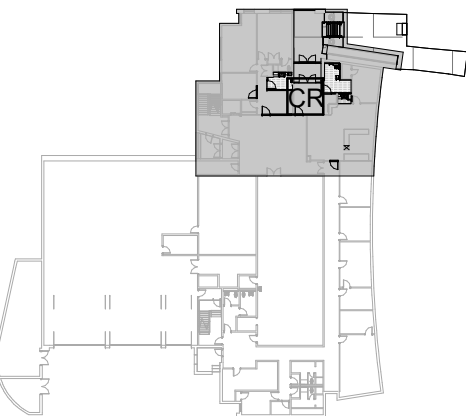
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#### PROJECT TITLE

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ACCESSIBILITY UPGRADES**

#### PROJECT ADDRESS

**POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.**

#### PROJECT NO:

9119-19-0162 / Arcadis 30279056

#### DRAWN BY:

**A. BOYNARIAN**

#### CHECKED BY:

**K. TILAHUN**

#### PROJECT MGR:

**F. BOLOURIAN**

#### APPROVED BY:

**E. FENUTA**

#### SHEET TITLE

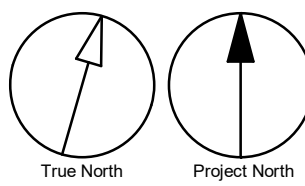
**FIRST FLOOR STAGING  
PLAN**

#### SHEET NUMBER

**G05-175-A2111**

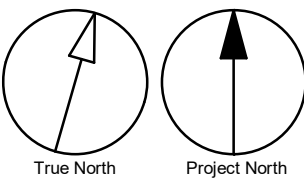
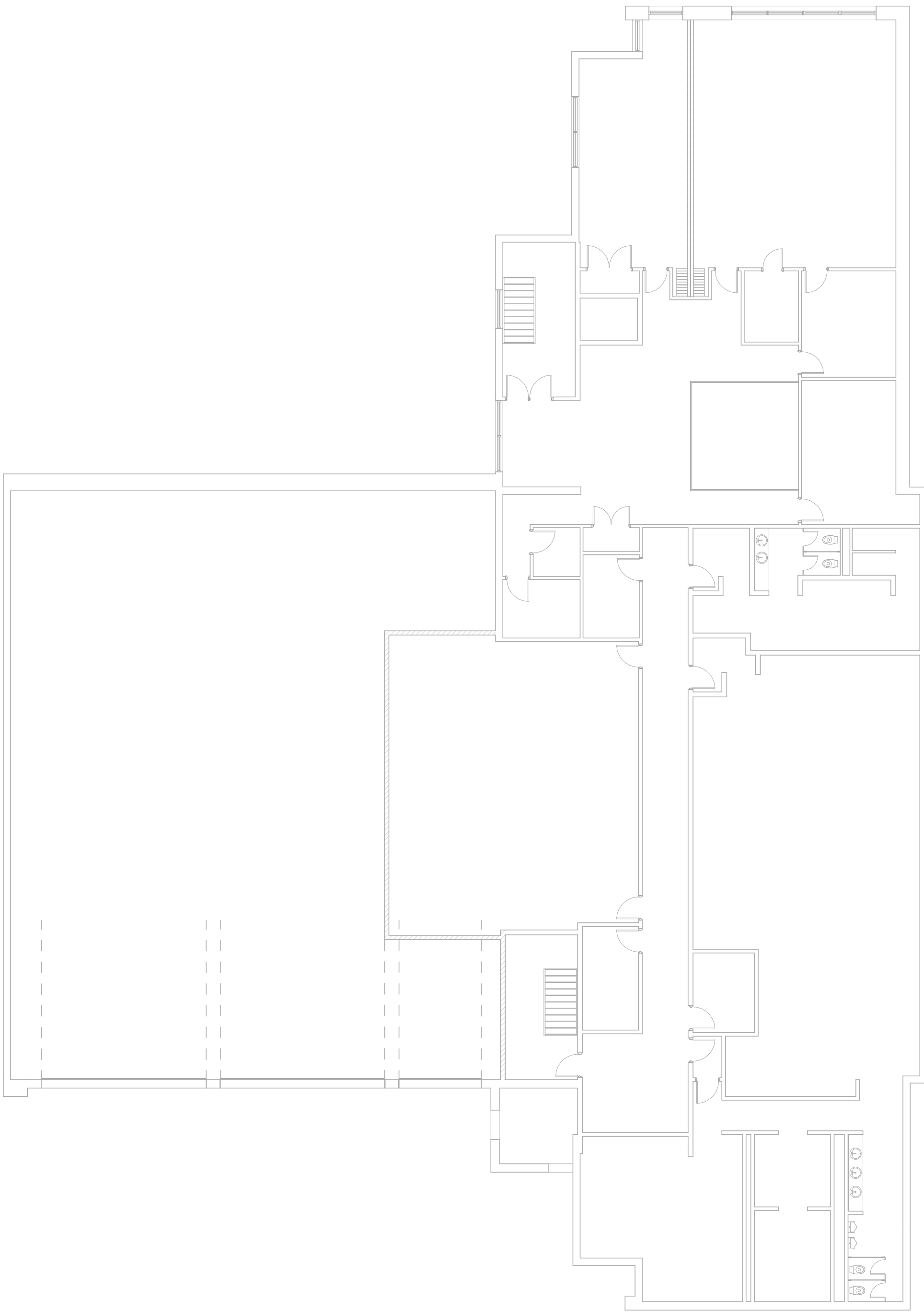
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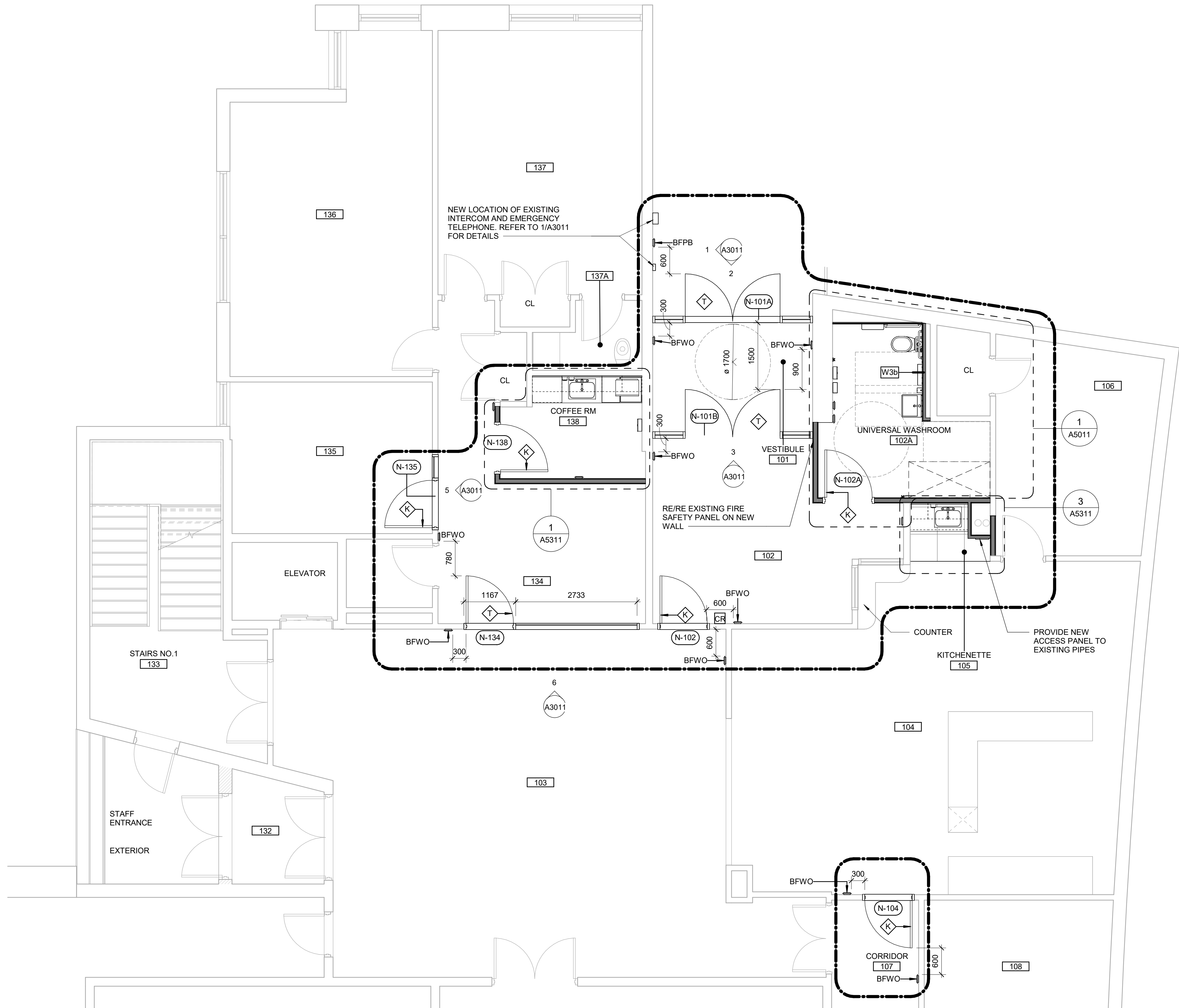
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DRAWN BY: A. BOYNARIAN	CHECKED BY: K. TILAHUN
PROJECT MGR: F. BOLOURIAN	APPROVED BY: E. FENUTA

SHEET TITLE

SECOND FLOOR  
OVERALL PLAN

SHEET NUMBER	ISSUE
G05-175-A2121	D





### 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

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

### CONSTRUCTION KEY NOTES

- | NO | DESCRIPTION   |
|----|---|
| K  | INSTALL NEW DOOR AND FRAME. REFER TO DOOR SCHEDULE A9001, G0004 AND DOOR HARDWARE SCHEDULE IN THE SPECIFICATIONS.   |
| T  | INSTALL NEW STOREFRONT FRAMING TO MATCH EXISTING WITH NEW DOOR PER SPECIFIED WIDTH AND HEIGHT. REFER TO DOOR SCHEDULE A9001 AND DOOR HARDWARE SCHEDULE IN THE SPECIFICATIONS. |

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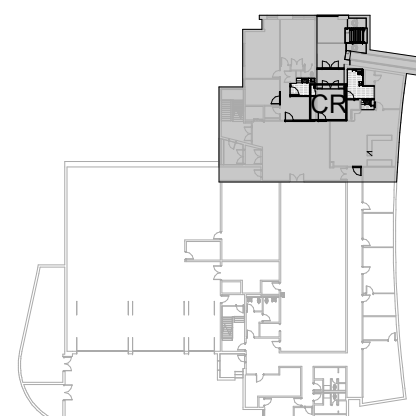
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#### PROJECT TITLE

**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

#### PROJECT ADDRESS

**POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.**

#### PROJECT NO:

9119-19-0162 / Arcadis 30279056

#### DRAWN BY:

**A. BOYNARIAN**

#### CHECKED BY:

**K. TILAHUN**

#### PROJECT MGR:

**F. BOLOURIAN**

#### APPROVED BY:

**E. FENUTA**

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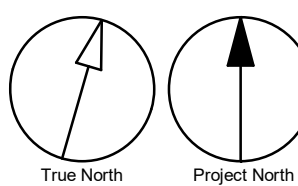
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#### SHEET NUMBER

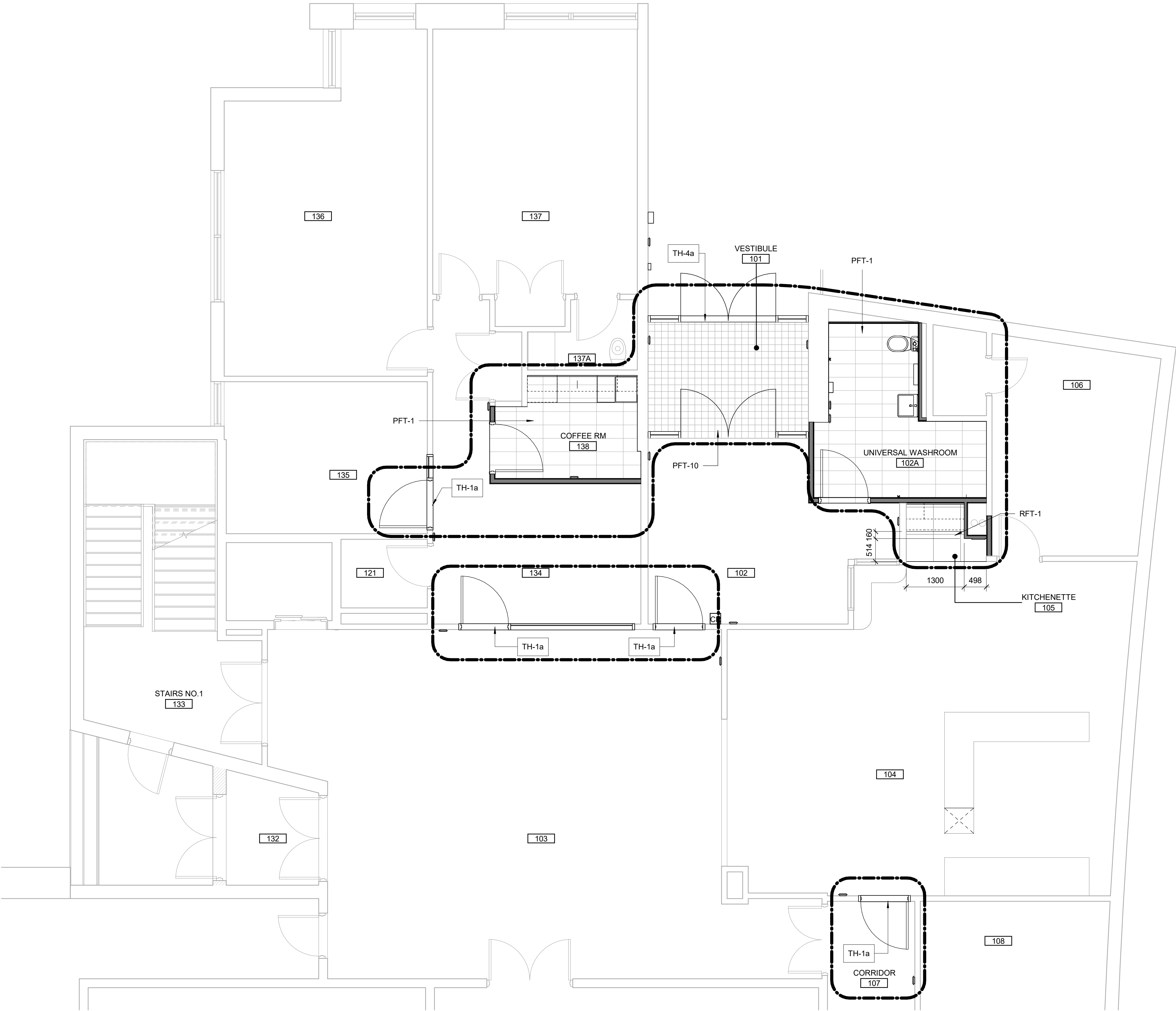
**G05-175-A2411**

#### ISSUE

**D**



1 x 1



FLOOR FINISHES LEGEND

- RUBBER FLOOR TILE
- PORCELAIN TILE
- DASHED AREA INDICATES AREA OF WORK

FLOOR FINISH GENERAL NOTES

- 1 FLOOR FINISH PLANS TO BE READ IN CONJUNCTION WITH ROOM FINISH SCHEDULE AND SPECIFICATIONS.
- 2 PROTECT ALL NEW AND EXISTING FLOOR FINISHES WITH PLYWOOD SHEETS ANYWHERE OTHER CONSTRUCTION WORK IS STILL ONGOING.
- 3 CHANGE OF FLOORING MATERIAL TO OCCUR BELOW THE DOOR LEAF UNLESS OTHERWISE INDICATED.
- 4 WHERE A CHANGE OF MATERIAL THICKNESS OCCURS, PROVIDE THRESHOLD AS PER DETAILS AND SPECIFICATIONS.
- 5 PROVIDE REPLACEMENT FLOOR FINISH TO MATCH EXISTING FOR ANY FLOORING DAMAGED DUE TO WORK OF THIS PROJECT.

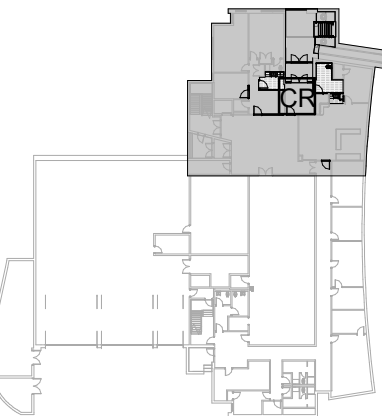
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PROJECT TITLE  
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ACCESSIBILITY UPGRADES

PROJECT ADDRESS  
POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.

PROJECT NO:  
9119-19-0162 / Arcadis 30279056

DRAWN BY:  
A. BOYNARIAN

CHECKED BY:  
K. TILAHUN

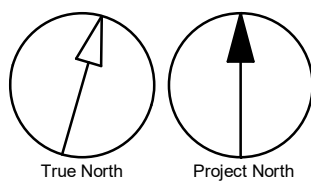
PROJECT MGR:  
F. BOLOURIAN

APPROVED BY:  
E. FENUTA

SHEET TITLE  
PARTIAL FIRST FLOOR  
FINISH PLAN

SHEET NUMBER  
G05-175-A2611

ISSUE  
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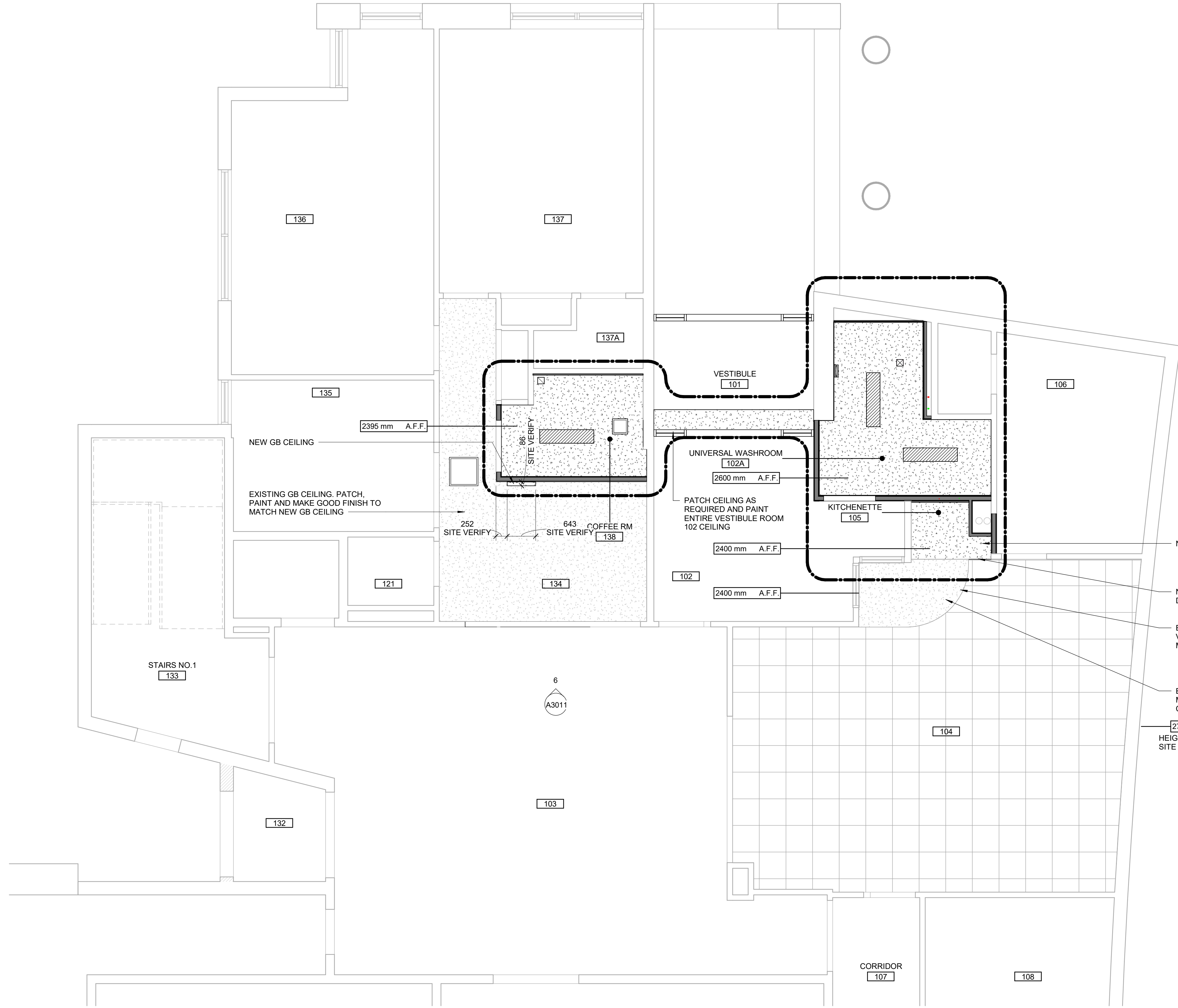


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CEILING LEGEND

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

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

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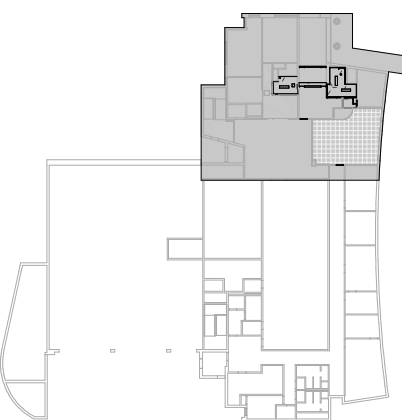
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PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.

PROJECT NO:

9119-19-0162 / Arcadis 30279056

DRAWN BY:

A. BOYNARIAN

CHECKED BY:

K. TILAHUN

PROJECT MGR:

F. BOLOURIAN

APPROVED BY:

E. FENUTA

SHEET TITLE

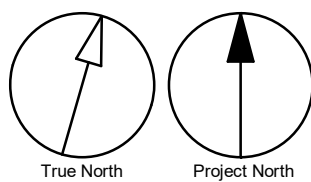
PARTIAL FIRST FLOOR  
REFLECTED CEILING  
PLAN

SHEET NUMBER

G05-175-A2811

ISSUE

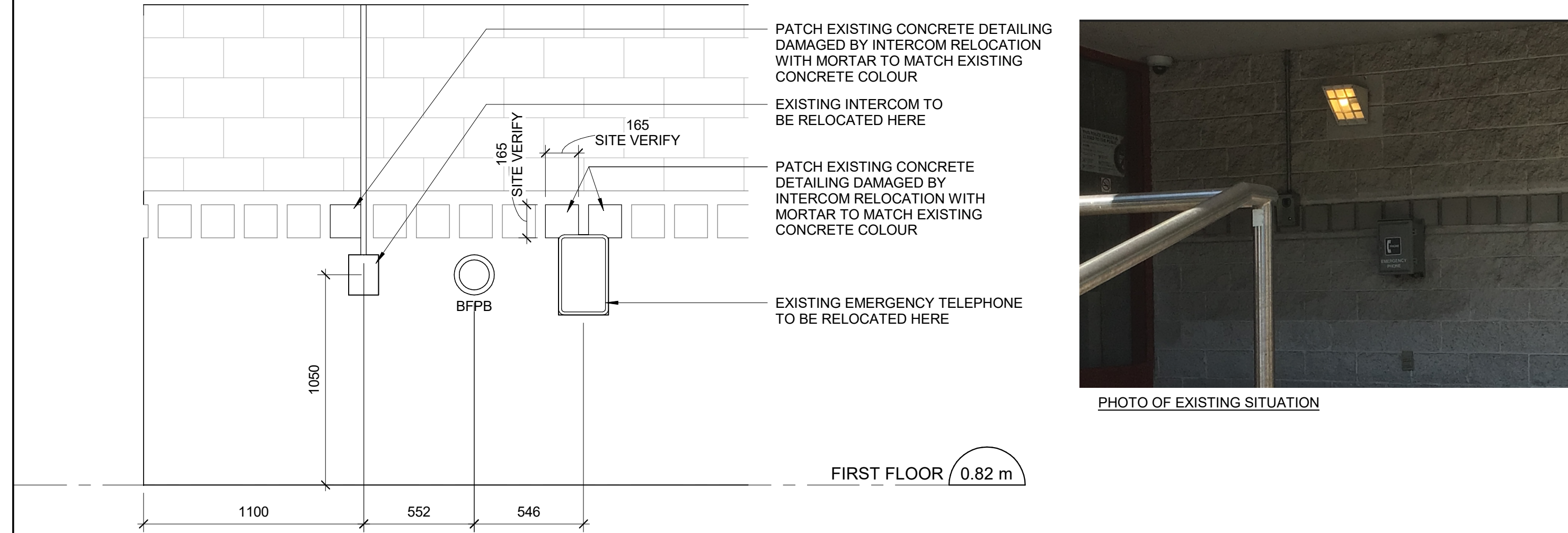
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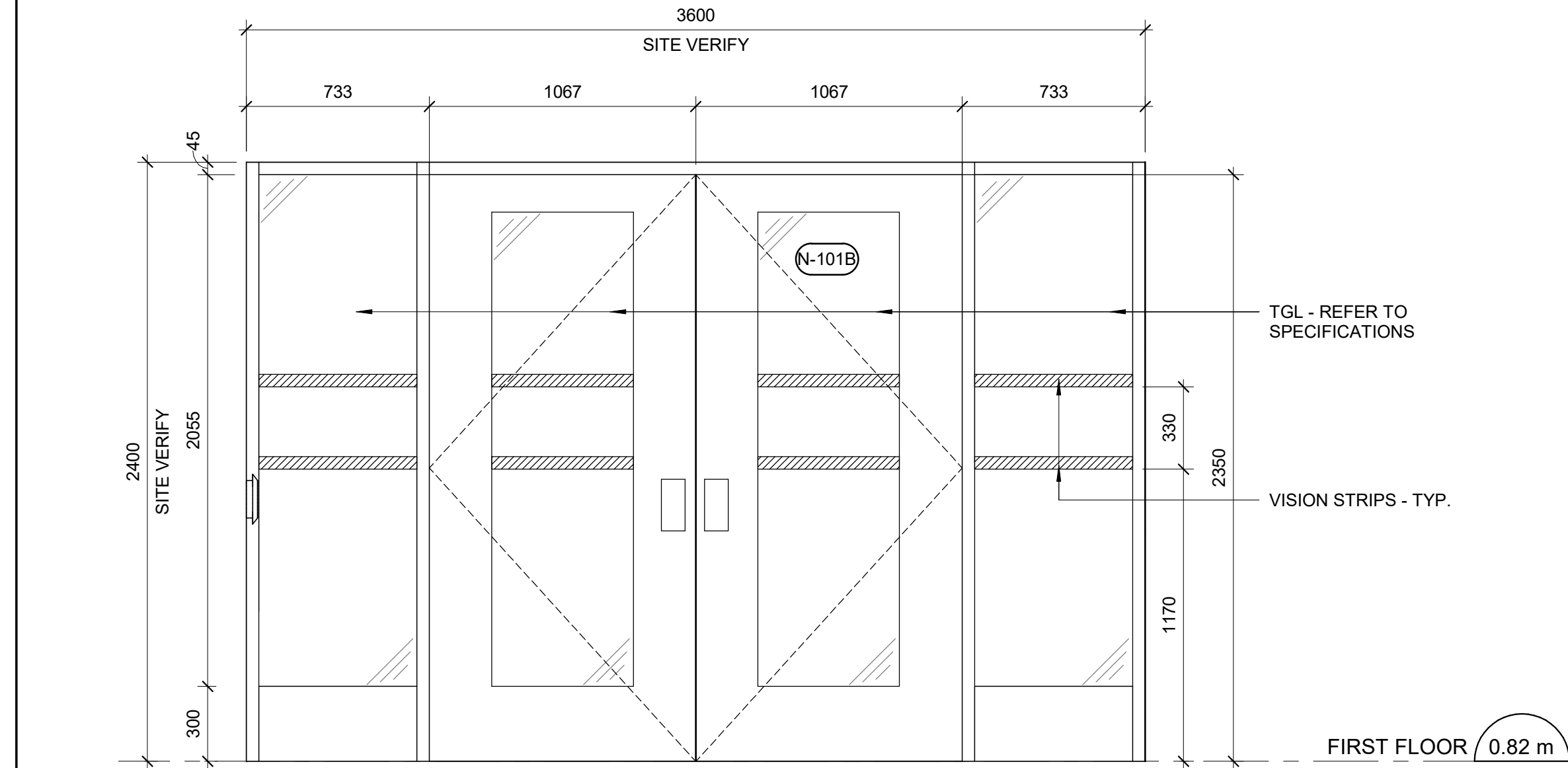


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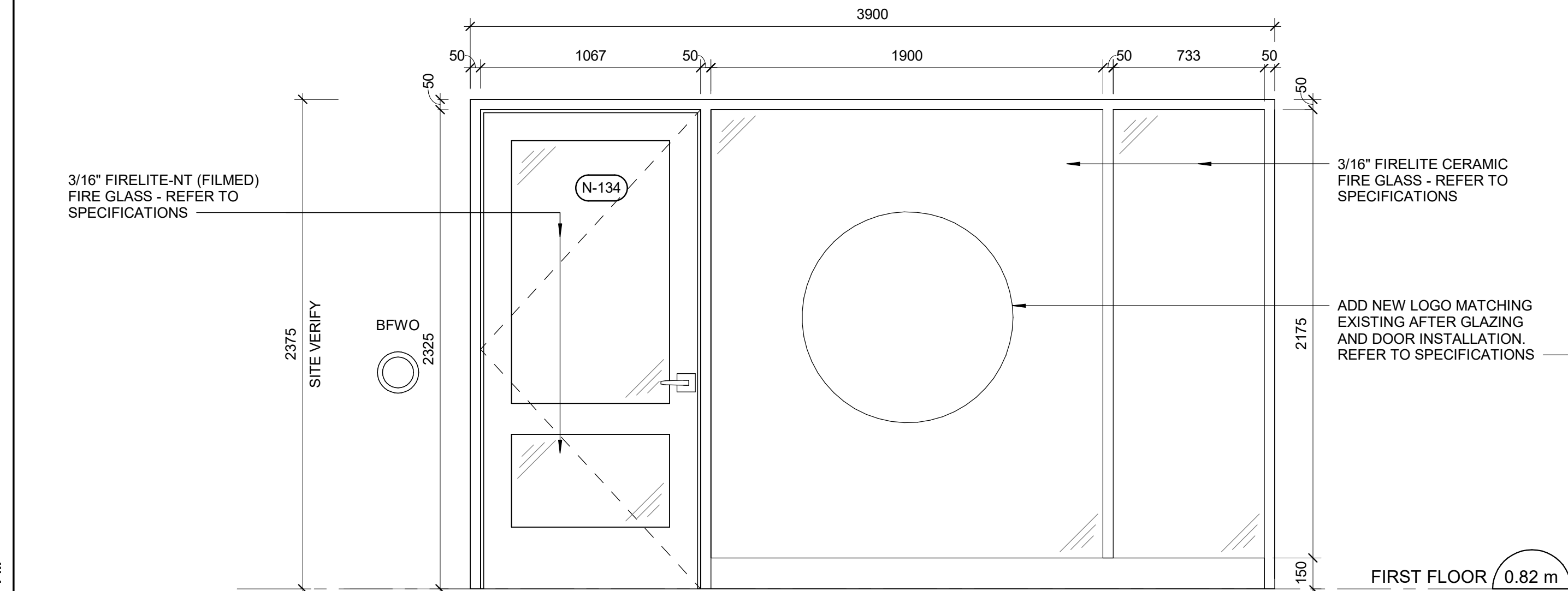
1 NEW LOCATION OF EXISTING INTERCOM AND EMERGENCY TELEPHONE - ELEVATION  
A0201 Scale: 1 : 20



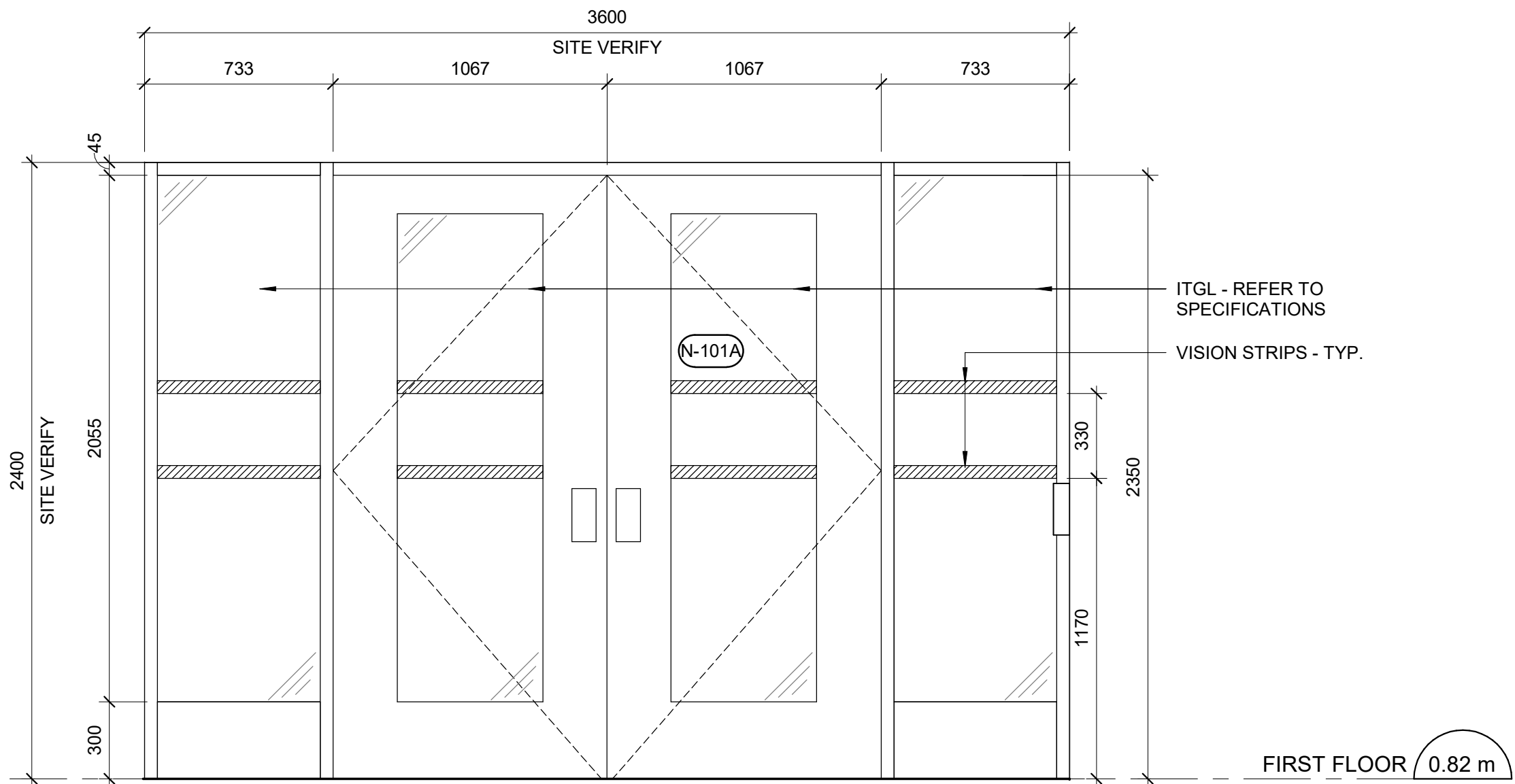
3 VESTIBULE DOOR (N-101B) - PROPOSED ELEVATION  
A0201 Scale: 1 : 20



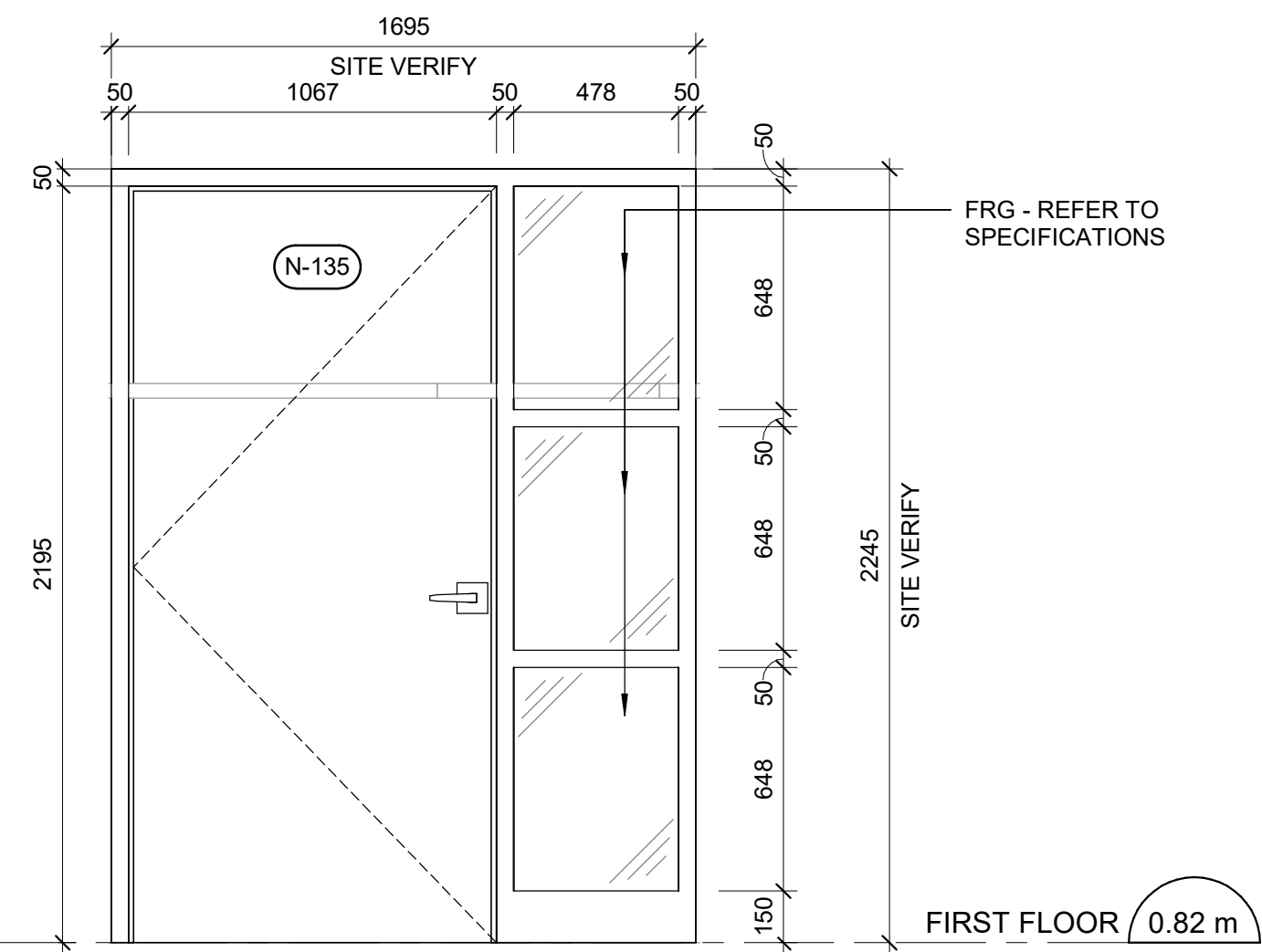
6 NEW DOOR N-134 AND GLAZING - PROPOSED ELEVATION  
A0201 Scale: 1 : 20



2 MAIN ENTRANCE DOOR (N-101A) - PROPOSED ELEVATION  
A0201 Scale: 1 : 20



5 NEW DOOR N-135 - PROPOSED ELEVATION  
A0201 Scale: 1 : 20



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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS  
**POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.**

PROJECT NO:  
9119-19-0162 / Arcadis 30279056

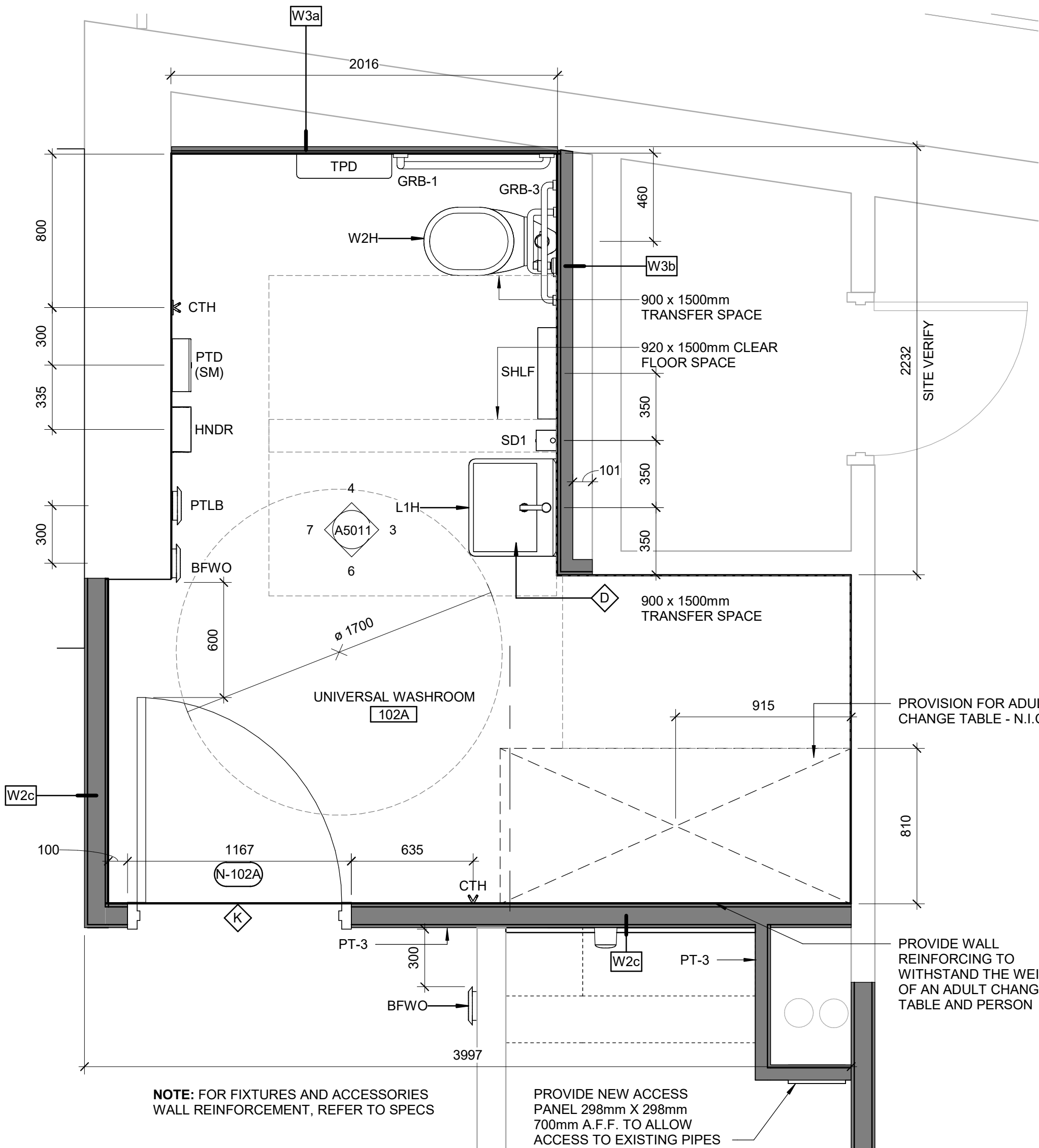
DRAWN BY: <b>A. BOYNARIAN, A. KYASNIUK</b>	CHECKED BY: <b>K. TILAHUN</b>
PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>E. FENUTA</b>

SHEET TITLE  
**BUILDING ELEVATIONS**

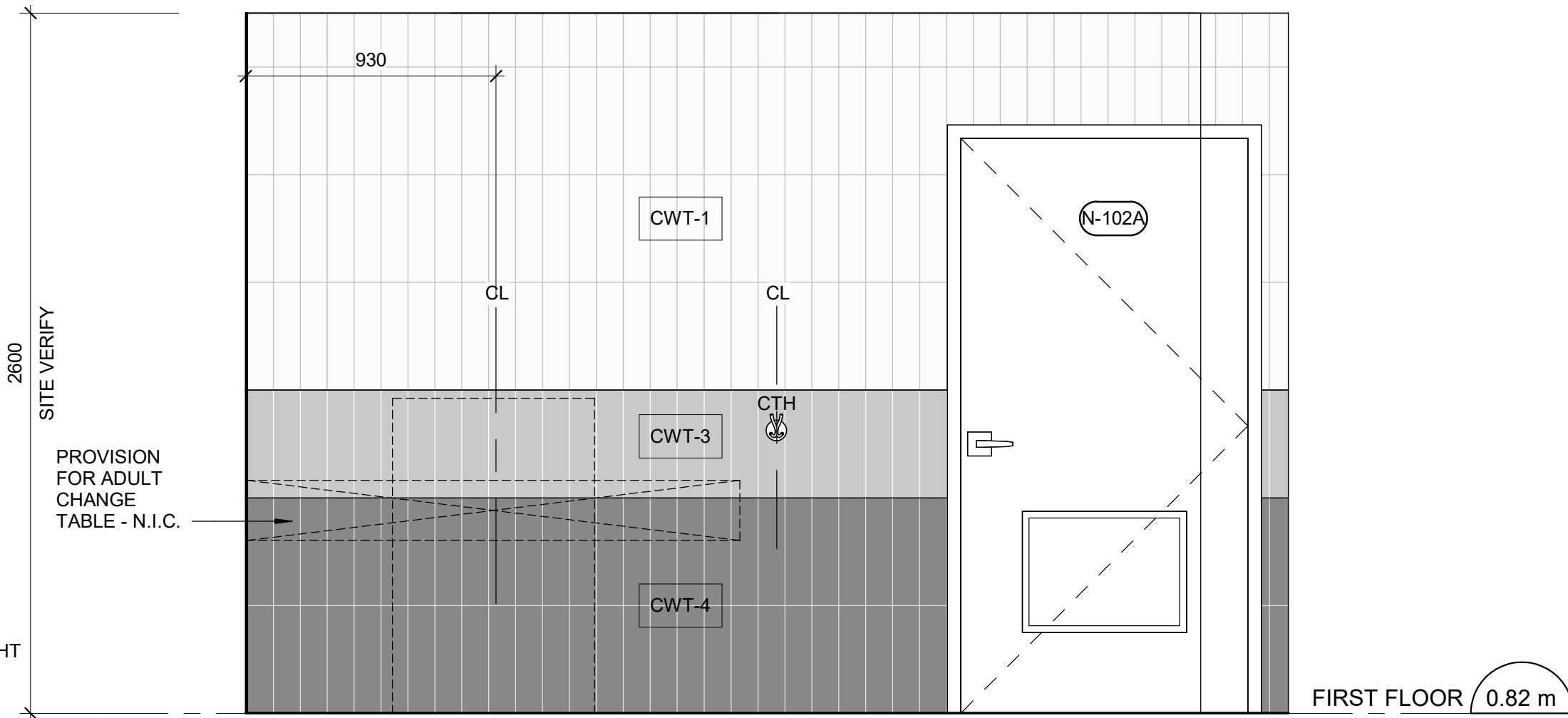
SHEET NUMBER <b>G05-175-A3011</b>	ISSUE <b>D</b>
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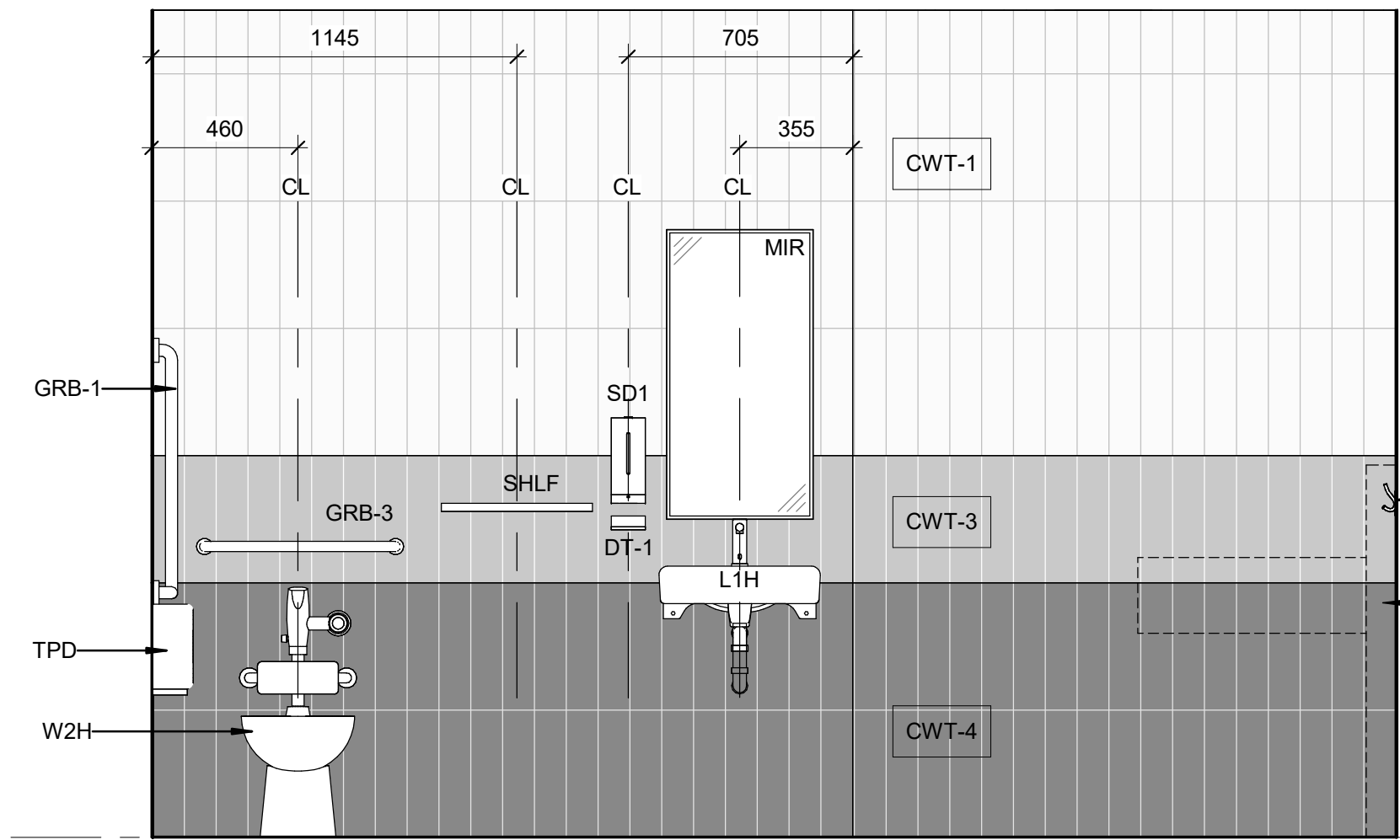




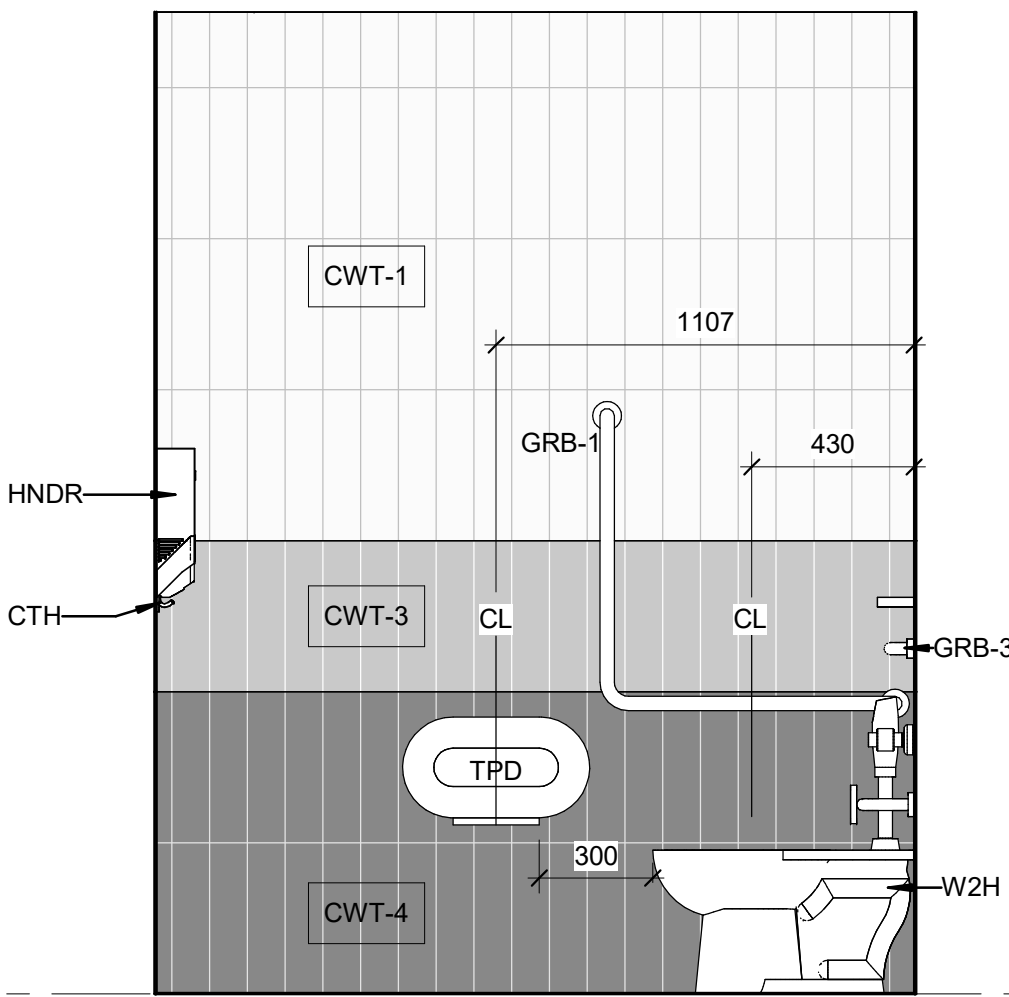
1 UNIVERSAL WASHROOM 102A - ENLARGED PLAN  
A2411 Scale: 1 : 20



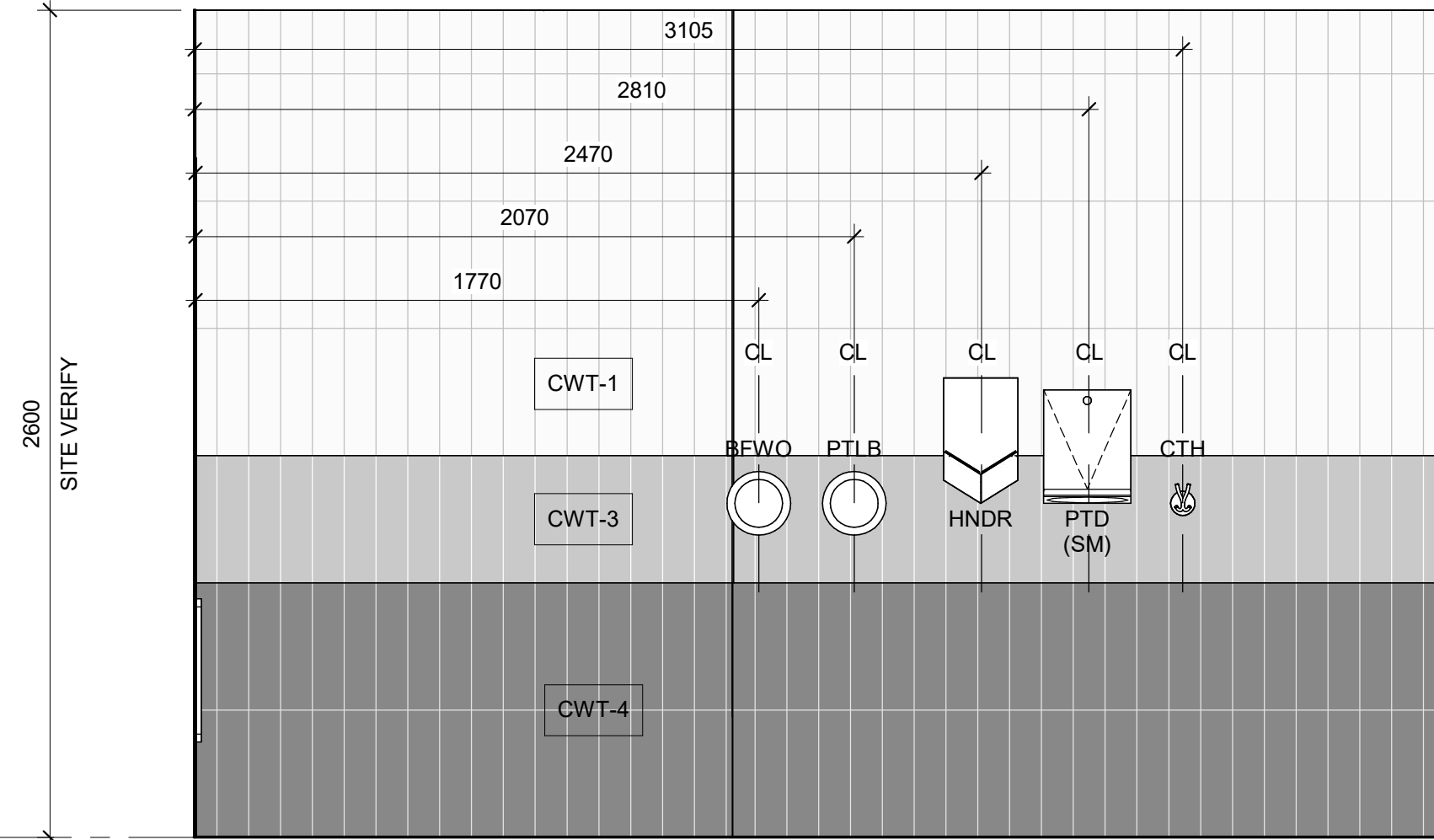
6 BARRIER FREE WASHROOM - SOUTH ELEVATION  
A0201 Scale: 1 : 20



3 BARRIER FREE WASHROOM - EAST ELEVATION  
A0201 Scale: 1 : 20



4 BARRIER FREE WASHROOM - NORTH ELEVATION  
A0201 Scale: 1 : 20



7 BARRIER FREE WASHROOM - WEST ELEVATION  
A0201 Scale: 1 : 20

CONSTRUCTION KEY NOTES	
NO	DESCRIPTION
D	INSTALL NEW WASHROOM ACCESSORIES - REFER TO DETAILS 1/D1201, 2/D1201, 3/D1201, 4/D1201, 5/D1201.
K	INSTALL NEW DOOR AND FRAME. REFER TO DOOR SCHEDULE A9001, G0004 AND DOOR HARDWARE SCHEDULE IN THE SPECIFICATIONS.

WASHROOM GENERAL NOTES	
1	ALL EXISTING SOAP DISPENSERS AND MIRRORS TO BE LOWERED. REFER TO 2/D1201, 4/D1201.
2	ALL WASHROOM ACCESSORIES TO BE INSTALLED AFTER SPECIFIED WALL FINISH HAS BEEN APPLIED. NEW SOAP COLLECTORS TO BE ADDED TO ALL SOAP DISPENSERS. REFER TO 2/D1201.
3	MOISTURE RESISTANT GYPSUM BOARD TO BE PROVIDED IN ALL WASHROOMS AND LOCKER ROOMS

UNIVERSAL WASHROOM GENERAL NOTES	
1	PROVIDE WALL REINFORCEMENT TO SUPPORT FUTURE ADULT CHANGE TABLE MINIMUM LOAD OF 1.33 KN AND POWER OUTLET

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D	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS  
**POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.**

PROJECT NO:  
9119-19-0162 / Arcadis 30279056

DRAWN BY:  
**A. BOYNARIAN**

CHECKED BY:  
**K. TILAHUN**

PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**E. FENUTA**

SHEET TITLE  
**UNIVERSAL WASHROOM  
PLANS/ELEVATIONS**

SHEET NUMBER  
**G05-175-A5011**

ISSUE  
**D**

CONSTRUCTION KEY NOTES

NO	DESCRIPTION
E	CONSTRUCT NEW KITCHEN MILLWORK. REFER TO MILLWORK DETAILS 1/D1301, 2/D1301, 3/D1301, 4/D1301, 1/D1302, 2/D1302, 3/D1302, 4/1302, 5/D1302, 6/D1302, 8/D1302.
K	INSTALL NEW DOOR AND FRAME. REFER TO DOOR SCHEDULE A9001, G0004 AND DOOR HARDWARE SCHEDULE IN THE SPECIFICATIONS.

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PROJECT ADDRESS  
POLICE EMERGENCY  
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300 LESMILL RD.

PROJECT NO:  
9119-19-0162 / Arcadis 30279056

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CHECKED BY:  
K. TILAHUN

PROJECT MGR:  
F. BOLOURIAN

APPROVED BY:  
E. FENUTA

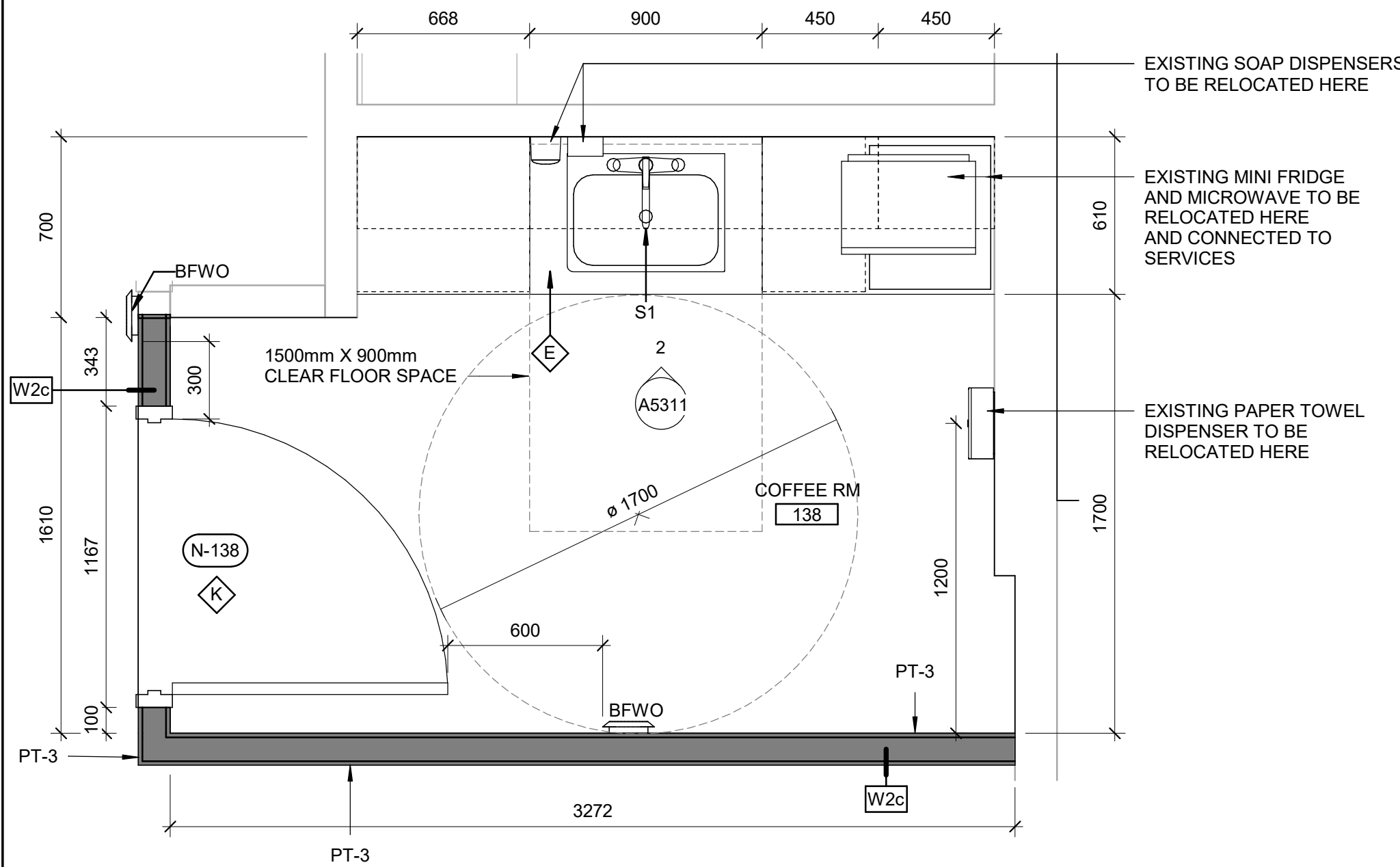
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COFFEE ROOM &  
KITCHENETTE PLANS &  
ELEVATIONS

SHEET NUMBER

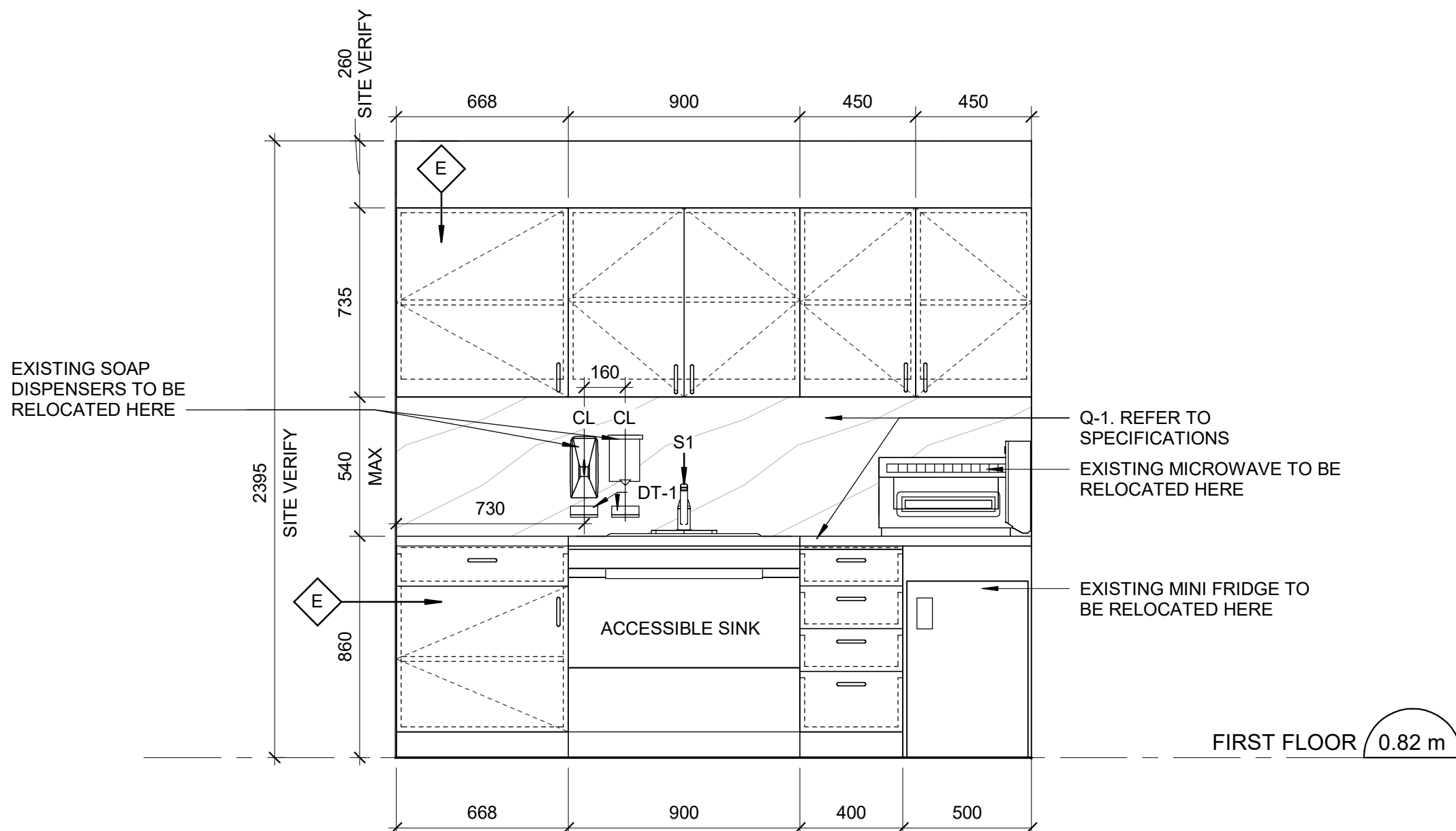
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ISSUE

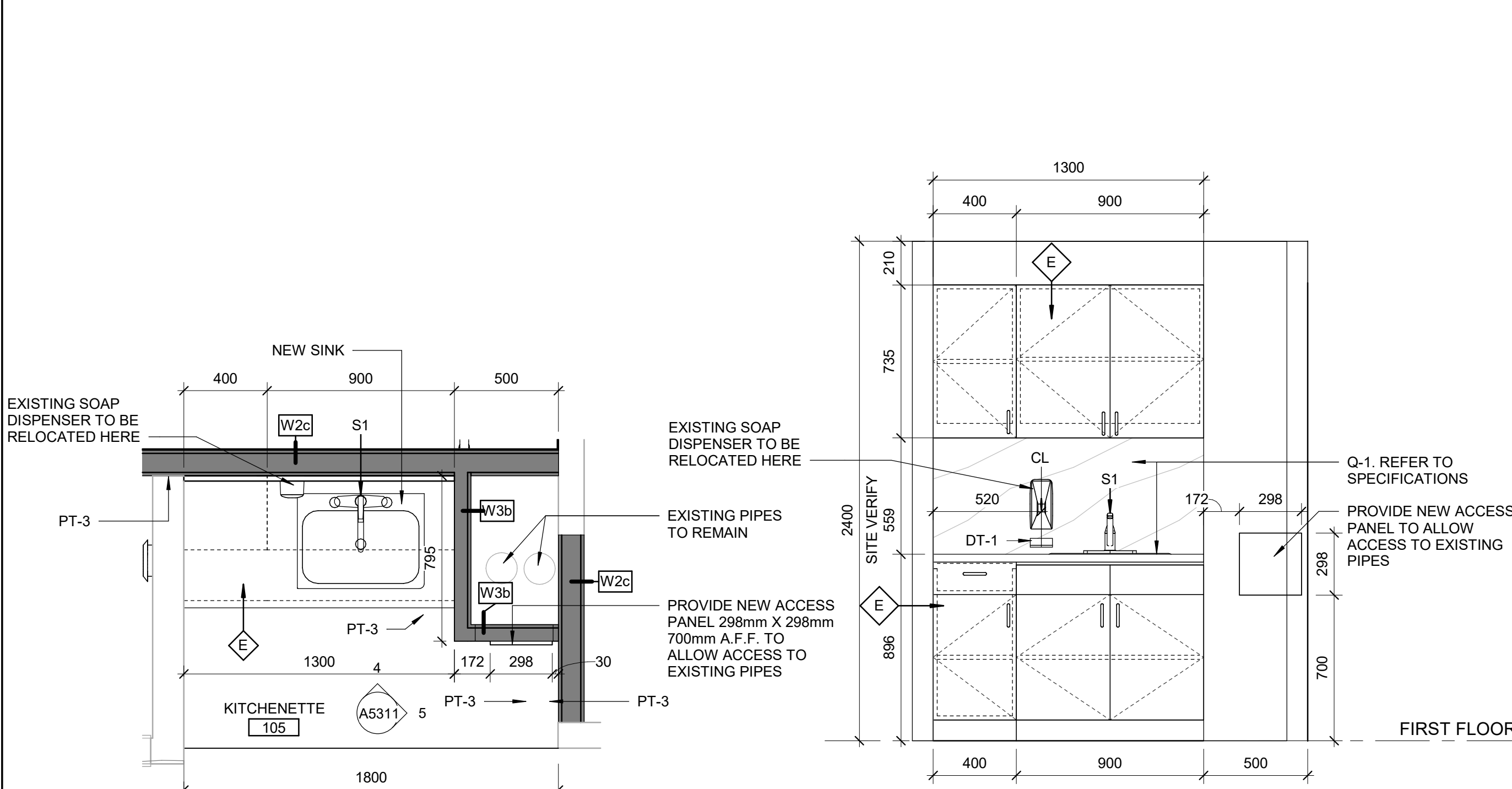
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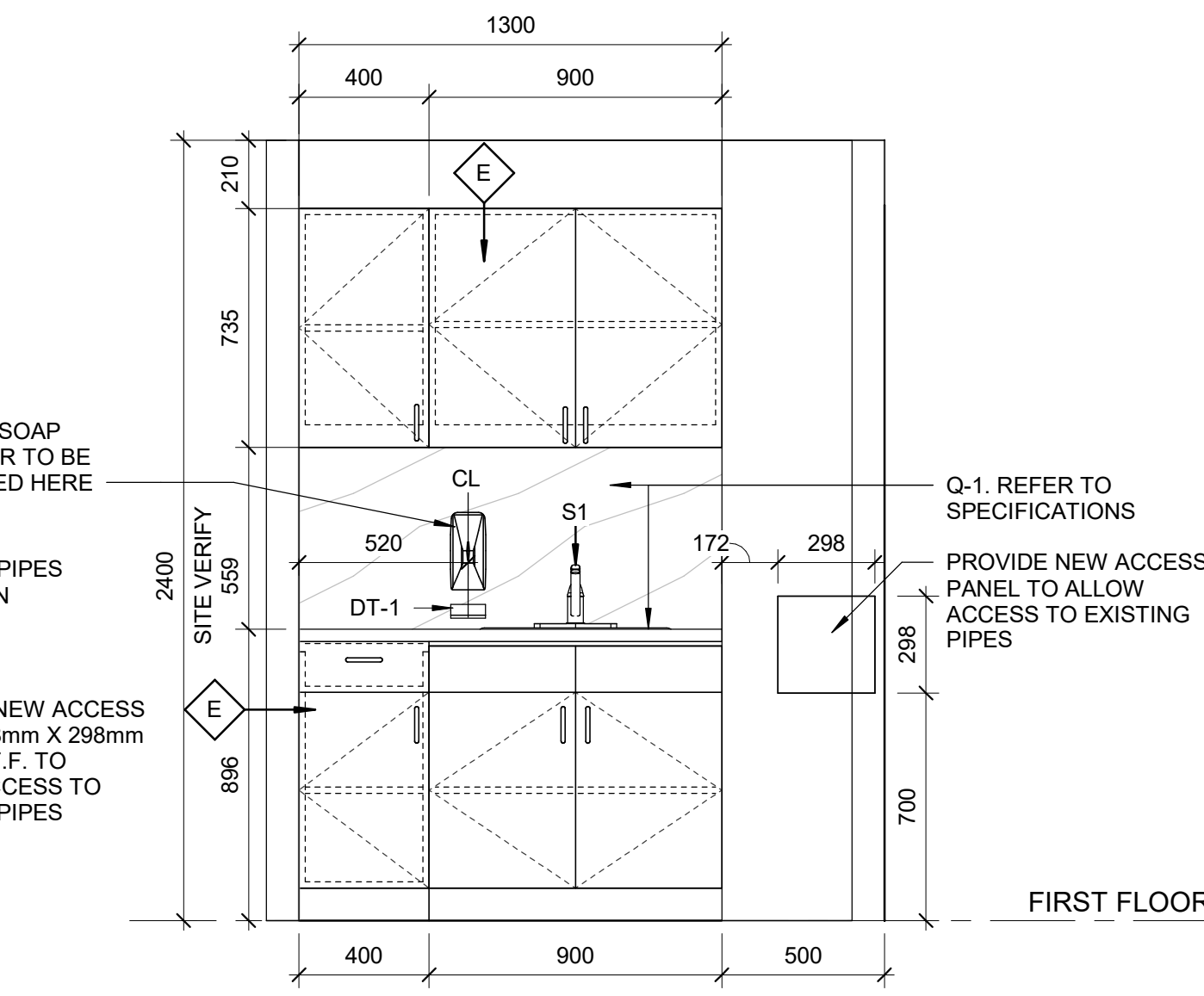
1 COFFEE ROOM 138 - ENLARGED PLAN  
A5311 Scale: 1 : 20



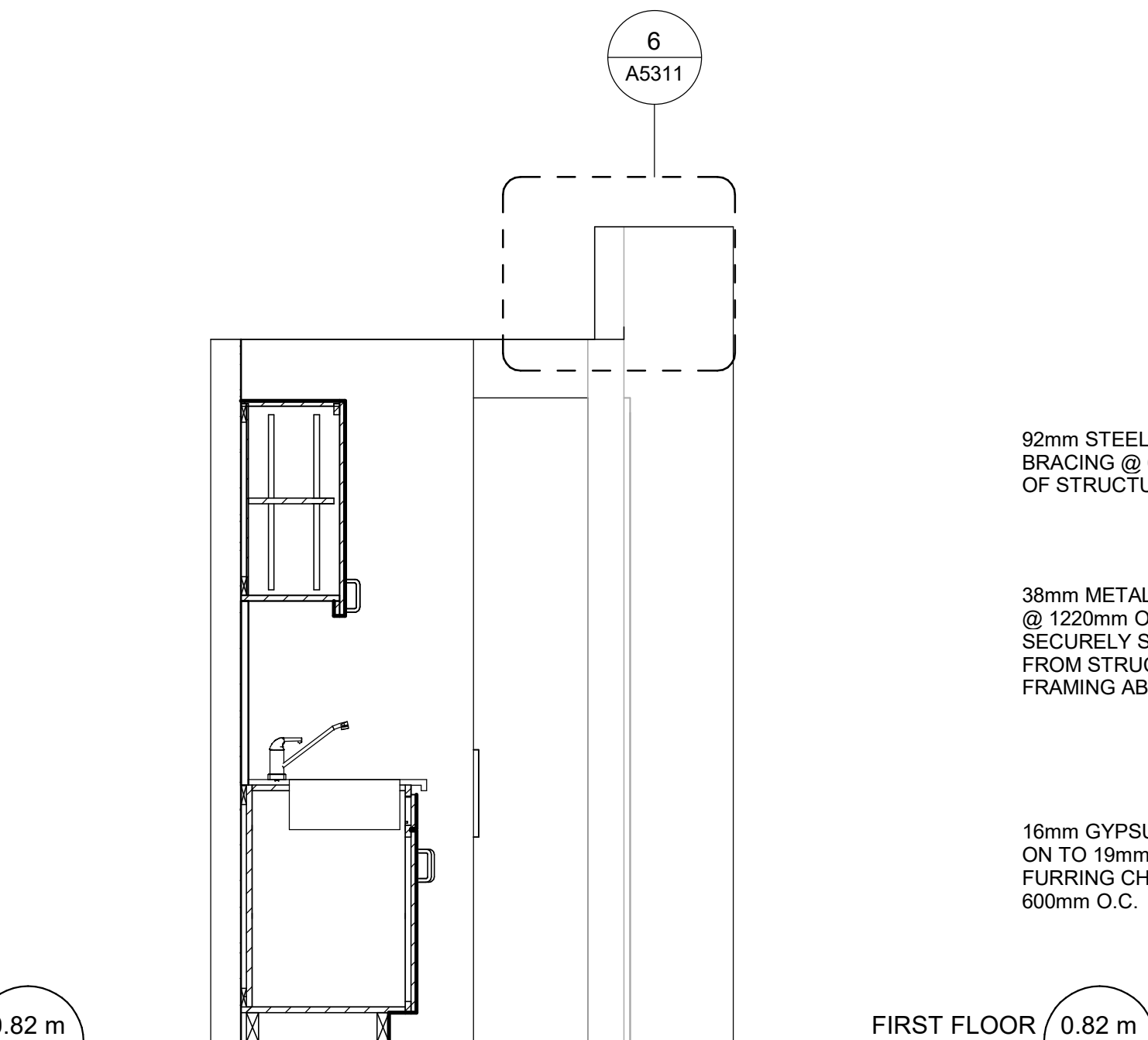
2 COFFEE ROOM 138 - NORTH ELEVATION  
A5311 Scale: 1 : 20



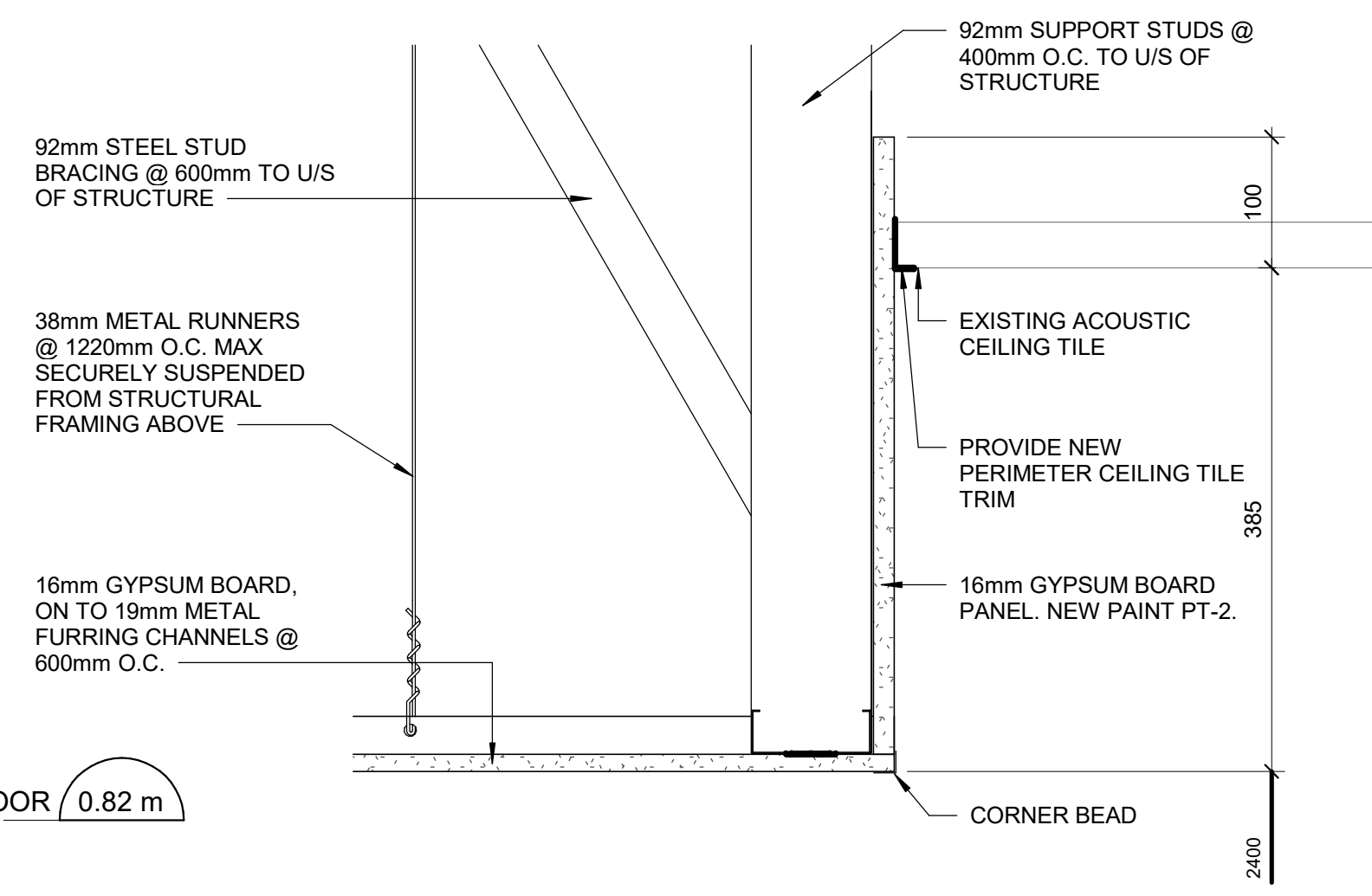
3 KITCHENETTE 105 - ENLARGED PLAN  
A5311 Scale: 1 : 20



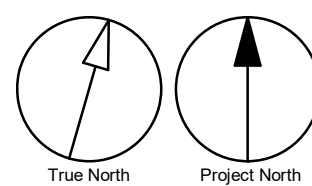
4 KITCHENETTE 105 - NORTH ELEVATION  
A5311 Scale: 1 : 20



5 KITCHENETTE 105 - EAST ELEVATION  
A5311 Scale: 1 : 20



6 GYPSUM BOARD BULKHEAD DETAIL  
A5311 Scale: 1 : 5





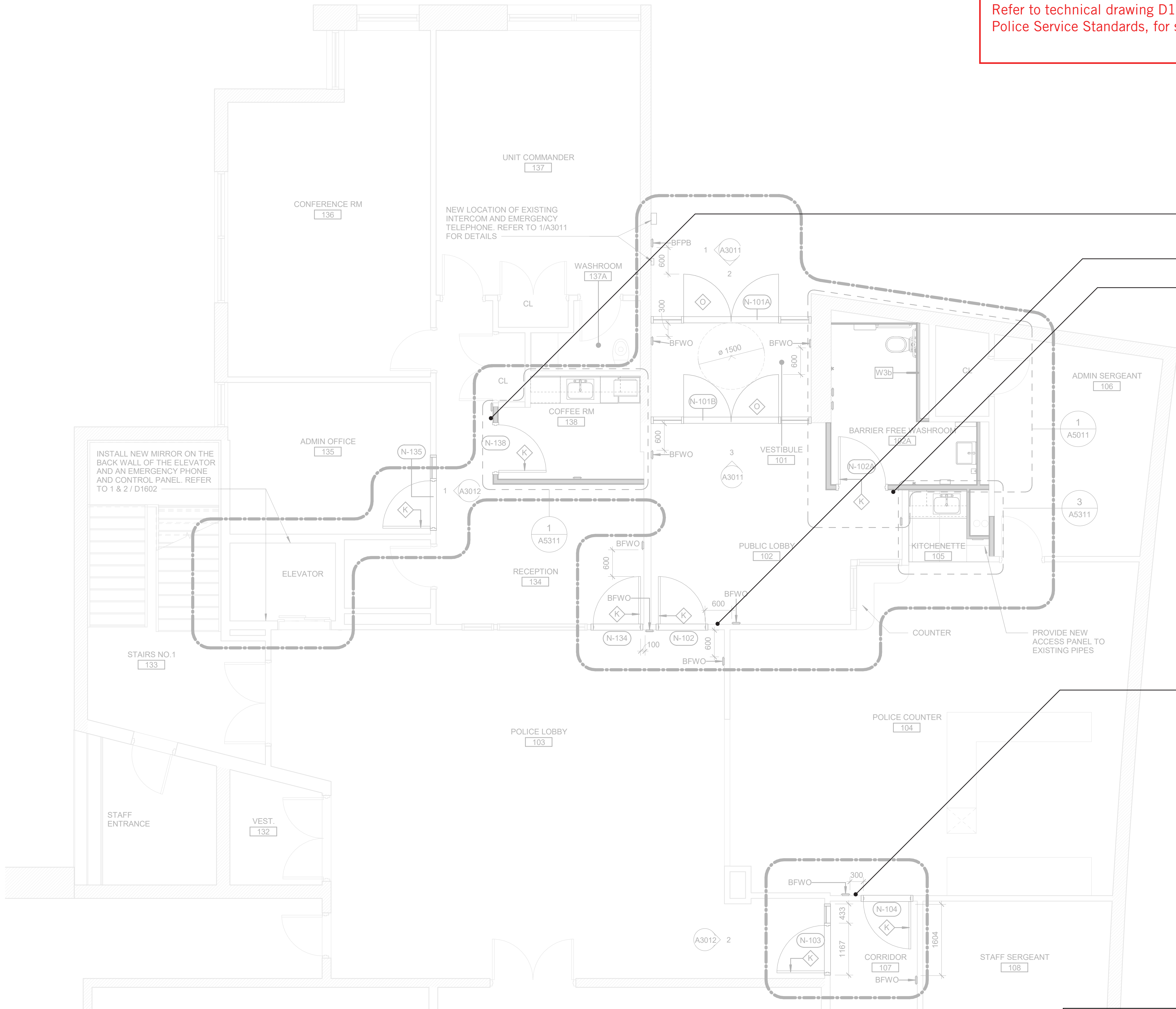


022-02-16 3:29:37 PM

Scale 1:50



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



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

K

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

O

INSTALL NEW CURTAIN WALL OR STORE FRONT FRAMING TO MATCH EXISTING, WITH NEW DOOR PER SPECIFIED WIDTH AND HEIGHT. REFER TO DOOR SCHEDULE A9001 AND DOOR HARDWARE SCHEDULE IN THE SPECIFICATIONS.

SIGN TAG LEGEND

Signtype Colour

Signtype

EX Exterior  
LO Basement  
L1 Level 1  
L2 Level 2  
L3 Level 3

Specific Sign Location

A1.1-WN L1-000

Powered:  
Y Yes  
N No  
D Data

Mounting Style:  
P Projecting  
S Suspended  
F Freestanding  
W Wall-mounted

G Glass  
C Column  
D Door  
T Transom

SIGN TAG LEGEND

B LX-000

Directional

H LX-000

Amenity

G LX-000

Inside Stair ID

E LX-000

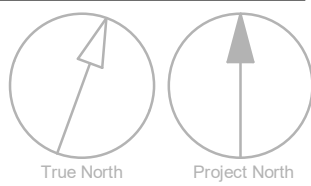
Room ID

J LX-000

Entrance

S LX-000

Stair ID



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PROJECT TITLE

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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

TPS EMERGENCY TASK FORCE  
300 LESMILL ROAD

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

G05-175-A8010

ISSUE

A

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1 of 1

SCALE CHECK

1 of 1



KEYPLAN


L1

SIGN CODE	LEVEL	LOC #	SIGN TYPE DESCRIPTION	SIDE A	SIDE B
				MESSAGE (English)	MESSAGE (English)
E2.1	L1	001	Room ID	Kitchenette Braille	
E4	L1	002	Insert Holder		
H1.1	L1	003	Amenity ID	[accessible universal changeroom picto] Washroom Braille	
E4	L1	004	Insert Holder		

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

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PROJECT ADDRESS

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300 LESMILL ROAD

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

G05-175-A8100

ISSUE

A

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1 of 1

SCALE CHECK

Sheet List	
Sheet Number	Sheet Name
06 - Structural	
S0001	DRAWING LIST
S2401	SITE PLAN
S5201	STAIRS - PLANS, SECTION, DETAILS

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ACCESSIBILITY UPGRADES

PROJECT ADDRESS  
POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.

PROJECT NO: Arcadis 30279056	
DRAWN BY: L. CHATZIGIANNAKOS	CHECKED BY: M. FAYAZI
PROJECT MGR: F. BOLOURIAN	APPROVED BY: K. ANGER

SHEET TITLE  
DRAWING LIST

SHEET NUMBER G05-175-S0001	ISSUE E
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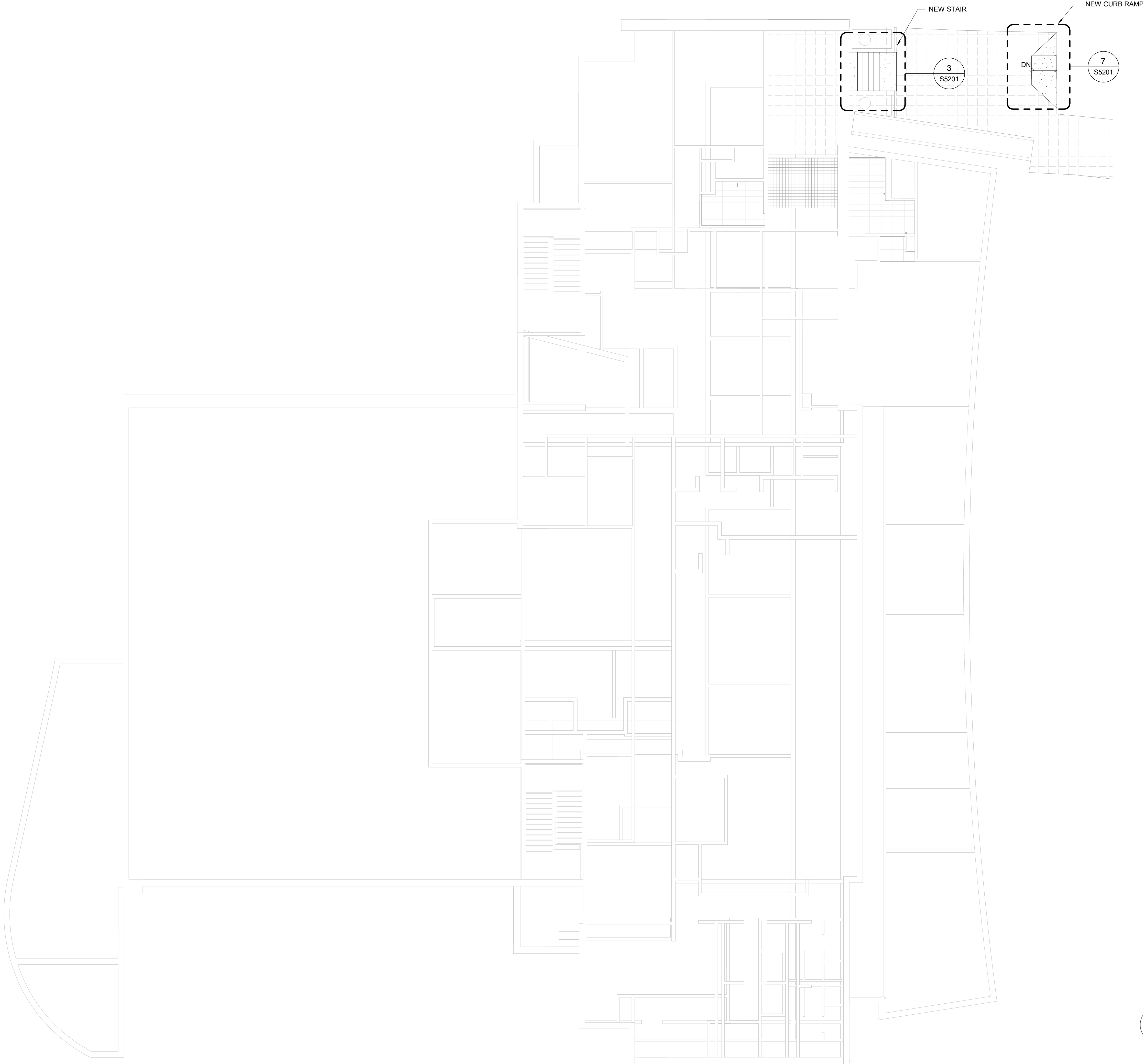
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1

S2401

SITE PLAN

Scale: 1 : 100



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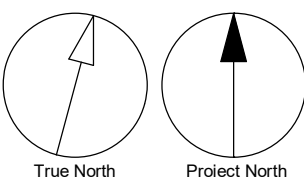
PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS  
POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.

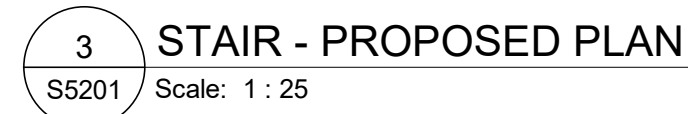
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SHEET TITLE  
SITE PLAN

SHEET NUMBER G05-175-S2401	ISSUE E
-------------------------------	------------



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- 6 CURB RAMP DEMOLITION PLAN  
S5201 Scale: 1 : 25



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TASK FORCE  
300 LESMILL RD.

PROJECT NO:  
Arcadis 30279056

DRAWN BY:

CHECKED BY:

L. CHATZIGIANNAKOS	M. FAYAZI
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APPROVED BY:  
K. ANGER

SHEET TITLE  
STAIRS - PLANS,  
SECTION, DETAILS

SHEET NUMBER	I
G05-175-S5201	

SSUE  
E



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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TASK FORCE  
300 LESMILL RD.

PROJECT NO:  
Arcadis 30279056

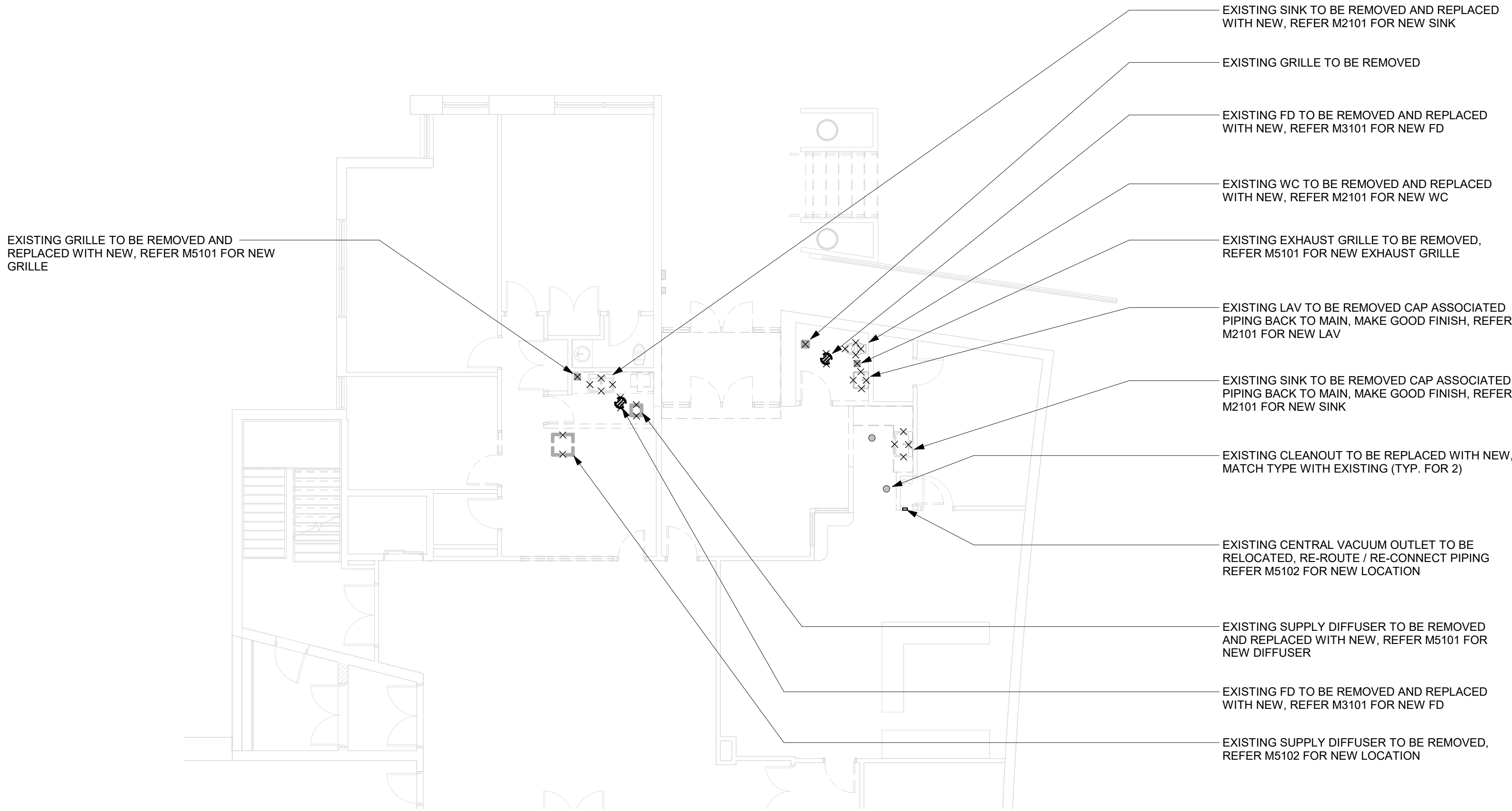
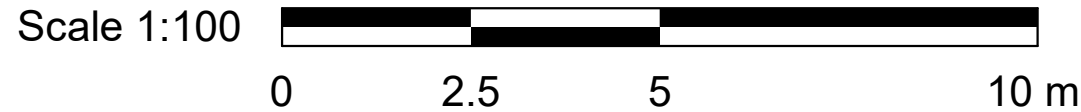
DRAWN BY: K.DURUKAN	CHECKED BY: B.LIAO
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PROJECT MGR: F. BOLOURIAN	APPROVED BY: S.LIU
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SHEET TITLE  
MECHANICAL DRAWING  
LIST

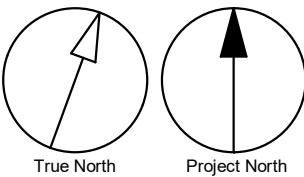
SHEET NUMBER G05-175-M0001	ISSUE D
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4/28/2025 10:27:50 AM



1 DEMOLITION - GROUND FLOOR  
M1101 Scale: 1 : 100

- 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  
POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.

PROJECT NO:  
Arcadis 30279056

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

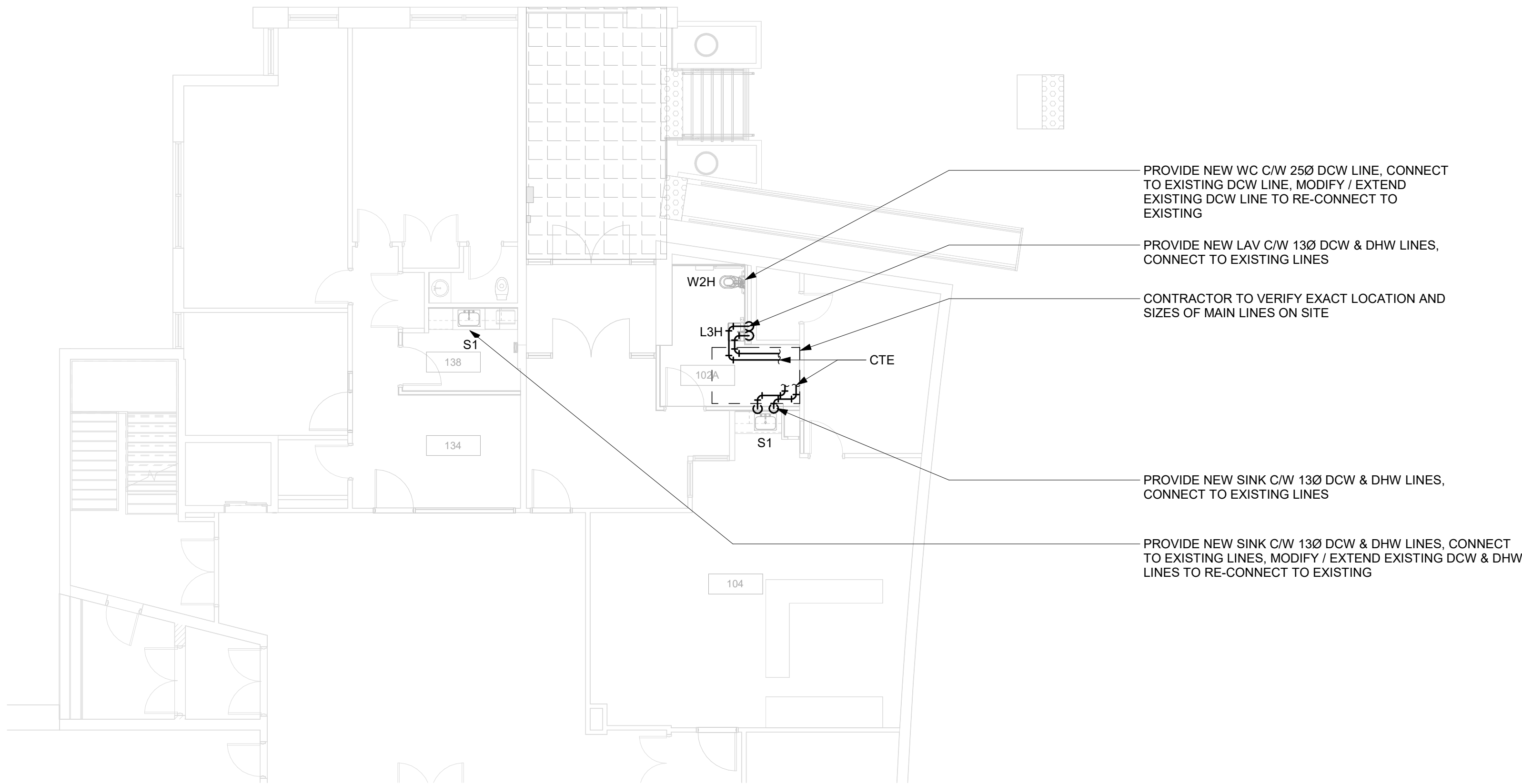
SHEET TITLE  
DEMOLITION PLAN -  
GROUND FLOOR

SHEET NUMBER G05-175-M1101	ISSUE D
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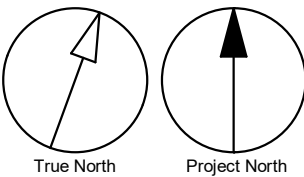


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1 PLUMBING - GROUND FLOOR  
M2101 Scale: 1 : 100

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



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PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS  
POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.

PROJECT NO:  
Arcadis 30279056

DRAWN BY: K.DURUKAN	CHECKED BY: B.LIAO
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PROJECT MGR: F. BOLOURIAN	APPROVED BY: S.LIU
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SHEET TITLE  
PLUMBING - GROUND  
FLOOR

SHEET NUMBER  
G05-175-M2101

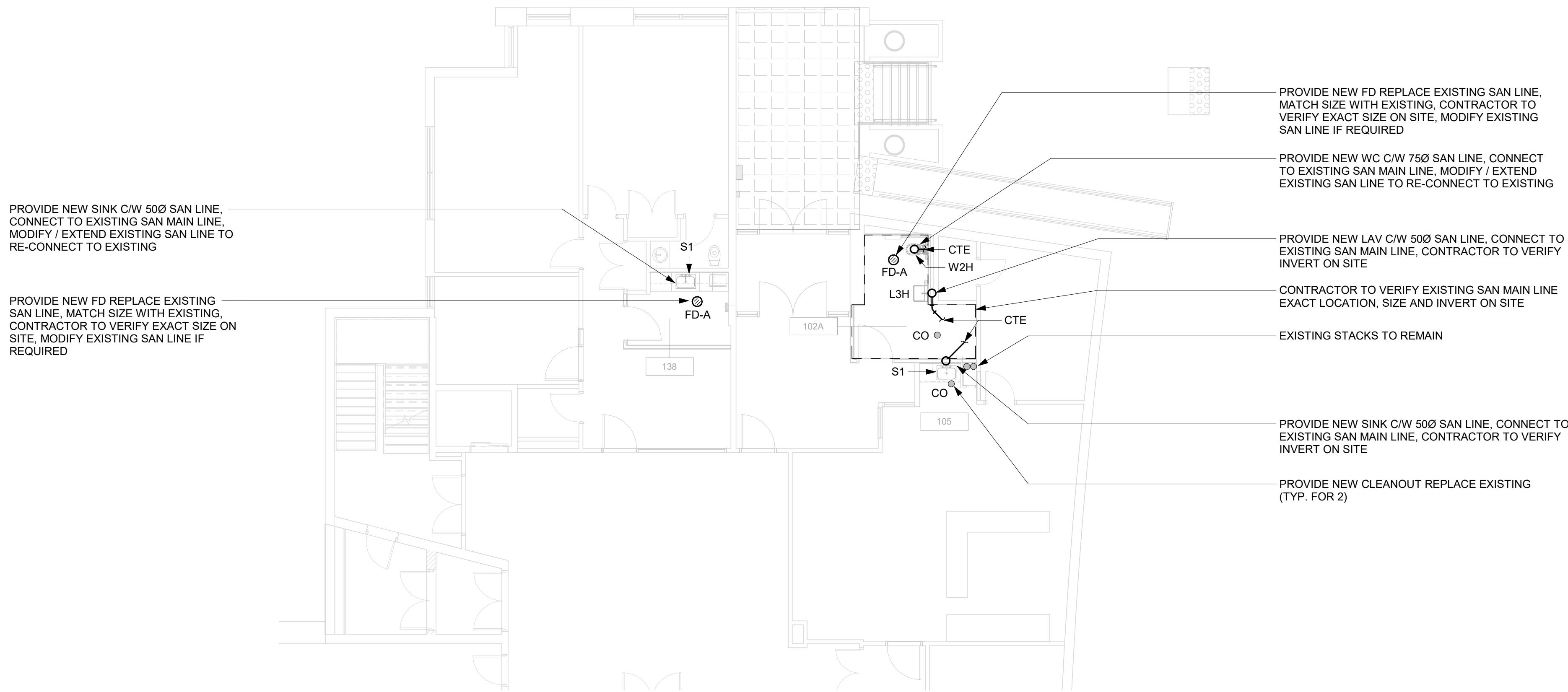
ISSUE  
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Autodesk Docs//122260 - Cot TAU Upgrades R02010122260-TAU-5-175-300-ISM-M-R201.rvt

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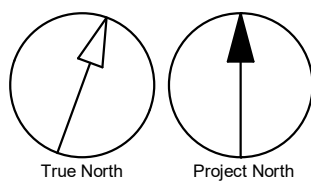
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1 DRAINAGE - GROUND FLOOR  
M3101 Scale: 1 : 100

- 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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C	ISSUED FOR PERMIT	2022-03-04
D	ISSUED FOR TENDER	2025-04-18

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Arcadis 30279056

DRAWN BY:  
**K.DURUKAN**

CHECKED BY:  
**B.LIAO**

PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**S.LIU**

SHEET TITLE  
**DRAINAGE - GROUND  
FLOOR**

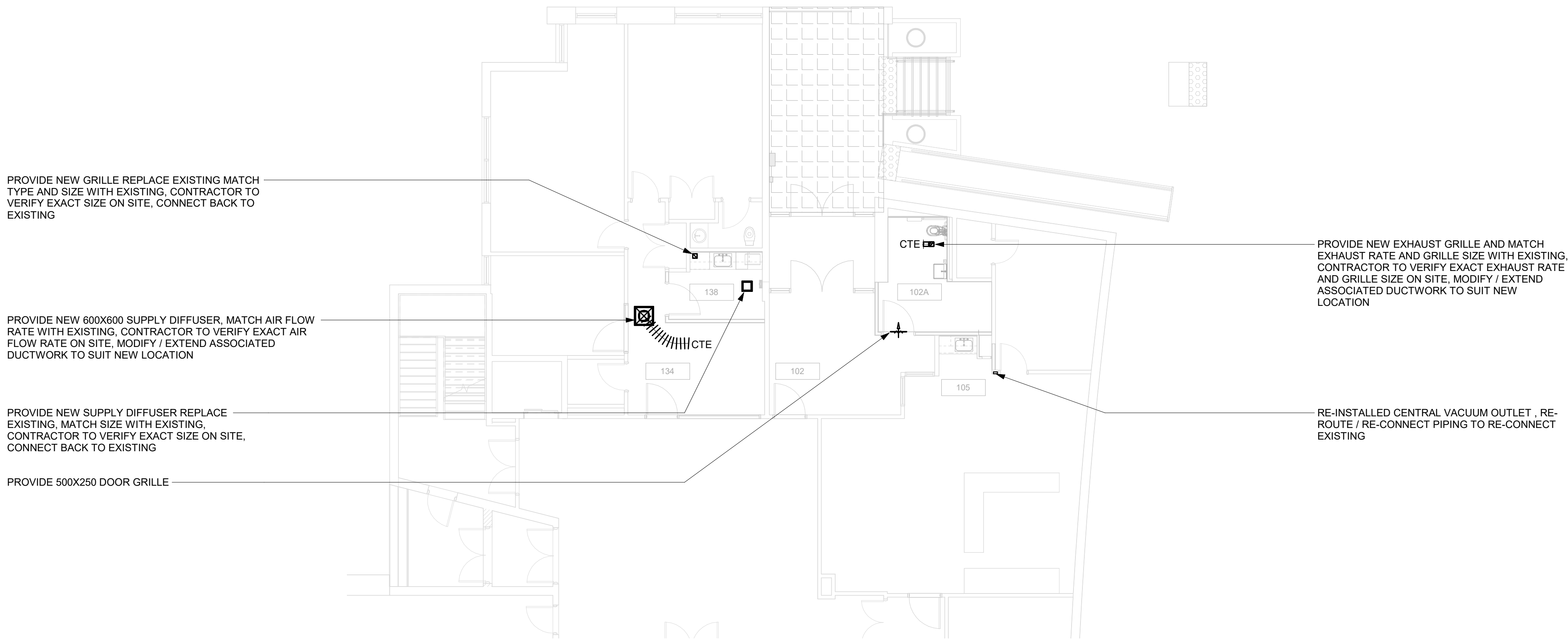
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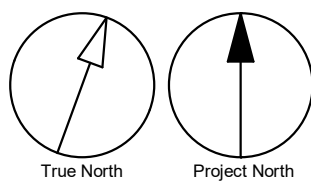


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1 HVAC - GROUND FLOOR  
M5101 Scale: 1 : 100

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



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DRAWN BY: <b>K.DURUKAN</b>	CHECKED BY: <b>B.LIAO</b>
PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>S.LIU</b>

SHEET TITLE  
**HVAC - GROUND FLOOR**

SHEET NUMBER <b>G05-175-M5101</b>	ISSUE <b>D</b>
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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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E	TENDER	2025-04-11

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PROJECT ADDRESS

POLICE EMERGENCY  
TASK FORCE  
300 LESMILL RD.

PROJECT NO:  
Arcadis 30279056

DRAWN BY: M.BOJIC	CHECKED BY: P. WILLIAMS
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PROJECT MGR: F. BOLOURIAN	APPROVED BY: F. RASTI
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SHEET TITLE  
DRAWING LIST

SHEET NUMBER

G05-175-E0000

ISSUE

E

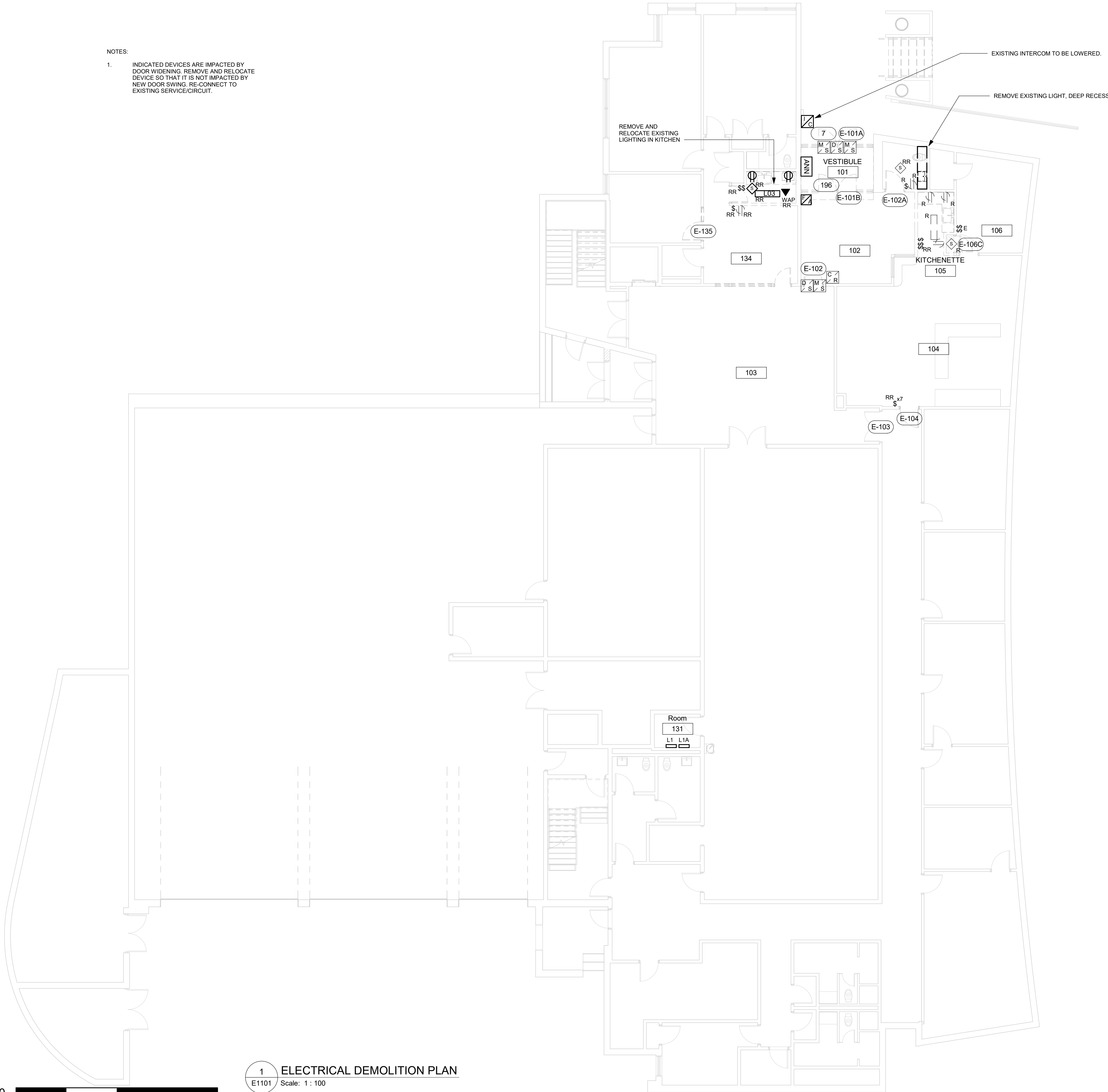
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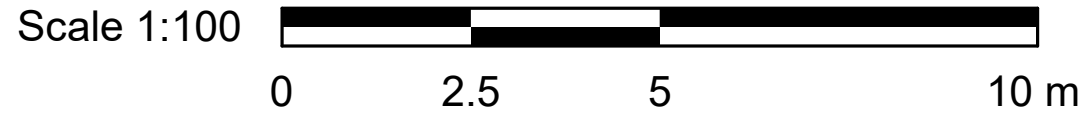
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NOTES:  
1. INDICATED DEVICES ARE IMPACTED BY DOOR WIDENING. REMOVE AND RELOCATE DEVICE SO THAT IT IS NOT IMPACTED BY NEW DOOR SWING. RE-CONNECT TO EXISTING SERVICE/CIRCUIT.



1 ELECTRICAL DEMOLITION PLAN  
E1101 Scale: 1 : 100



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DRAWN BY:  
**M. BOJIC**

CHECKED BY:  
**P. WILLIAMS**

PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**F. RASTI**

SHEET TITLE

**ELECTRICAL  
DEMOLITION PLAN 1ST  
FLOOR**

SHEET NUMBER

**G05-175-E1101**

ISSUE

**E**

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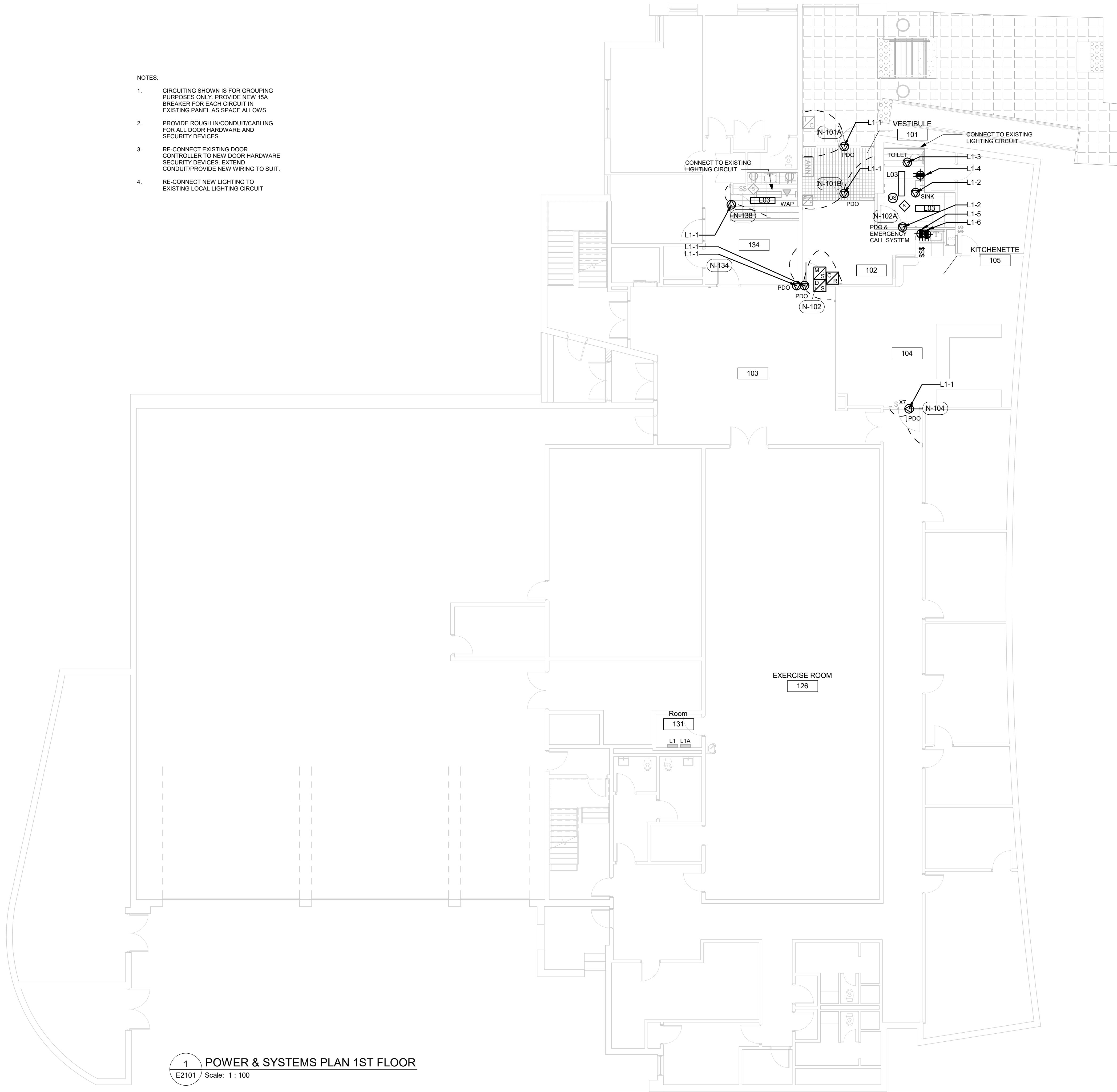
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1 POWER & SYSTEMS PLAN 1ST FLOOR  
E2101 Scale: 1 : 100

NOTES:

- CIRCUITING SHOWN IS FOR GROUPING PURPOSES ONLY. PROVIDE NEW 15A BREAKER FOR EACH CIRCUIT IN EXISTING PANEL AS SPACE ALLOWS
- PROVIDE ROUGH IN/CONDUIT/CABLING FOR ALL DOOR HARDWARE AND SECURITY DEVICES.
- RE-CONNECT EXISTING DOOR CONTROLLER TO NEW DOOR HARDWARE SECURITY DEVICES. EXTEND CONDUIT/PROVIDE NEW WIRING TO SUIT.
- RE-CONNECT NEW LIGHTING TO EXISTING LOCAL LIGHTING CIRCUIT



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PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**F. RASTI**

SHEET TITLE  
**POWER & SYSTEMS  
PLAN 1ST FLOOR**

SHEET NUMBER

**G05-175-E2101**

ISSUE

**E**