

# CITY OF TORONTO

# ACCESSIBILITY UPGRADES

## GROUP 3

9119- 19- 0162 / Arcadis 30279056

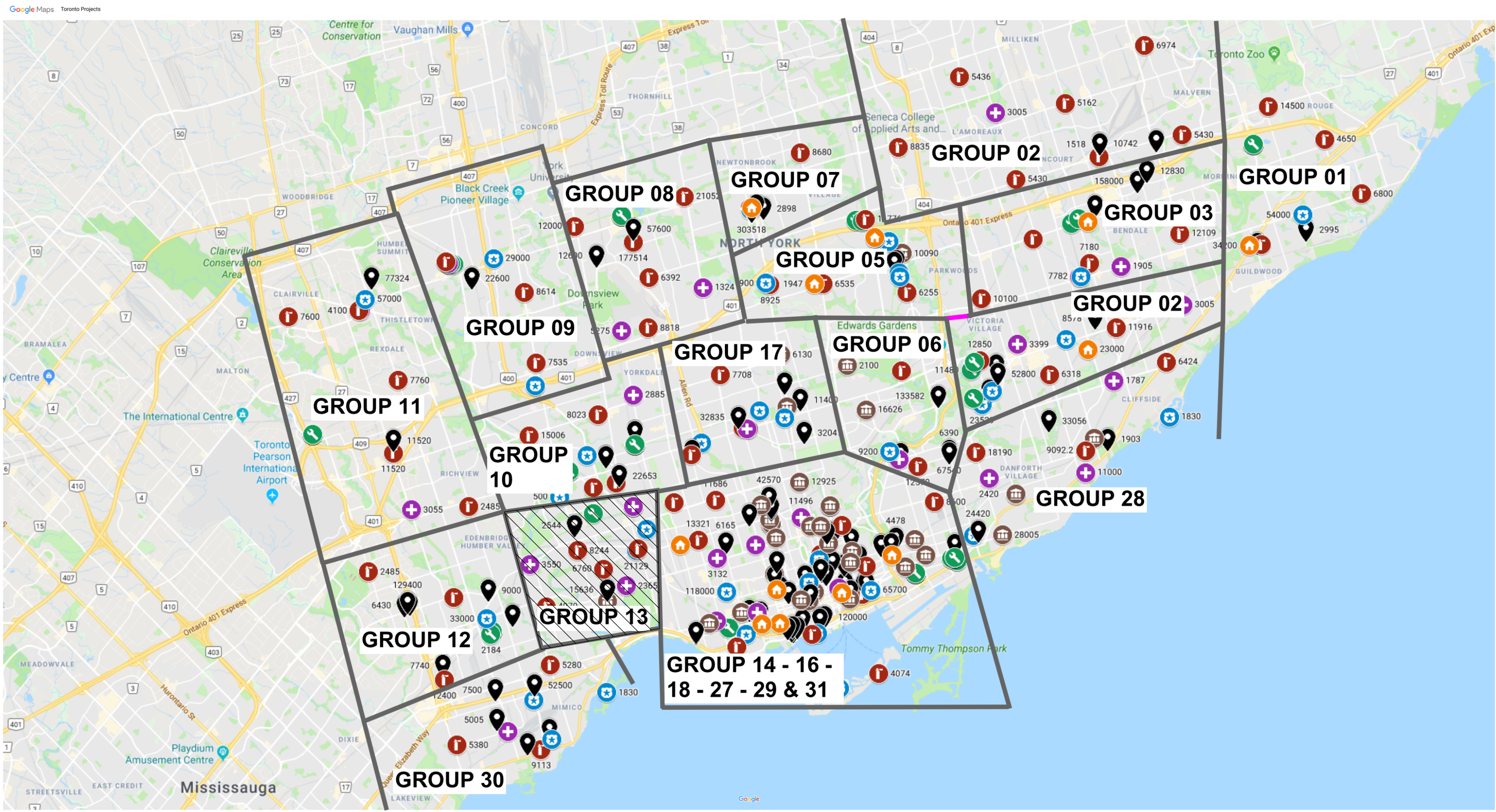


IMAGE SOURCES: GOOGLE MAPS

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

GENERAL LAYOUTS GROUP 05	
SHEET #	SHEET TITLE
G03-GAL-G1002	ARCHITECTURAL GENERAL NOTES, ABBREVIATIONS & REFERENCE SYMBOLS
G03-GAL-G1003	WALL TYPES
G03-GAL-G1004	DOOR TYPES
G03-GAL-G2001	STRUCTURAL GENERAL NOTES
G03-GAL-G2002	ABBREVIATIONS & SYMBOLES
G03-GAL-G3001	MECHANICAL LEGEND SHEET 1 OF 2
G03-GAL-G3002	MECHANICAL LEGEND SHEET 2 OF 2
G03-GAL-G4001	ELECTRICAL LEGEND SHEET 1 OF 2
G03-GAL-G4002	ELECTRICAL LEGEND SHEET 2 OF 2
G03-GAL-G4003	ELECTRICAL GENERAL NOTES

GROUP 03 BUILDING INDEX		
SERIAL #	BUILDING ADDRESS	BUILDING DESCRIPTION
17	1050 ELLESMERE RD	ELLESMERE YARD - BLDG D
37	1305 ELLESMERE RD	SQUIRRELS NEST DAYCARE CENTER
114	2000 MIDLAND AVE	ELLESMERE YARD - BLDG A
141	2440 LAWRENCE AVE E	POLICE - BAIL & PAROLE ENFORCEMENT OFFICE
108	2 HOBSON AVE	CORPORATE PRINTING & MULTI-MEDIA BUILDING
231	4331 LAWRENCE AVE E	POLICE NO. 43 DIVISION & EMS STATION NO. 26

TOUCH AND FEEL BOOKLET

TYPICAL DETAILS BOOKLET

NOT FOR CONSTRUCTION

ISSUED FOR TENDER

CITY OF TORONTO



55 John ST.  
TORONTO, ON  
M5V 3C6

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

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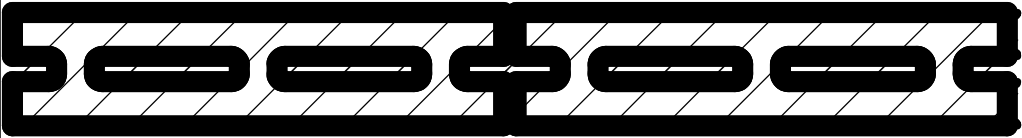
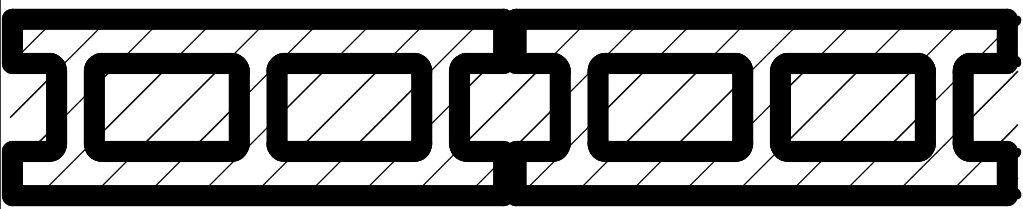
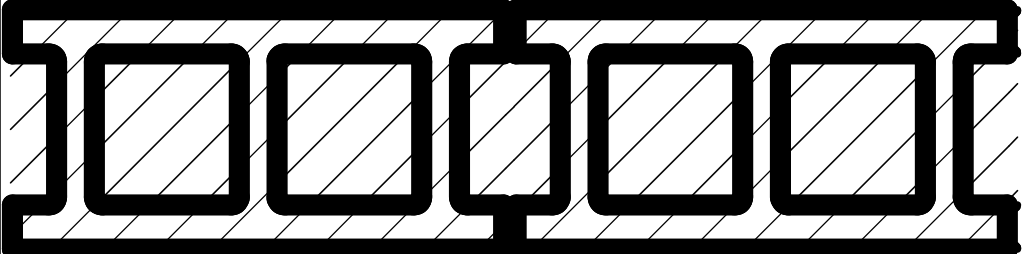
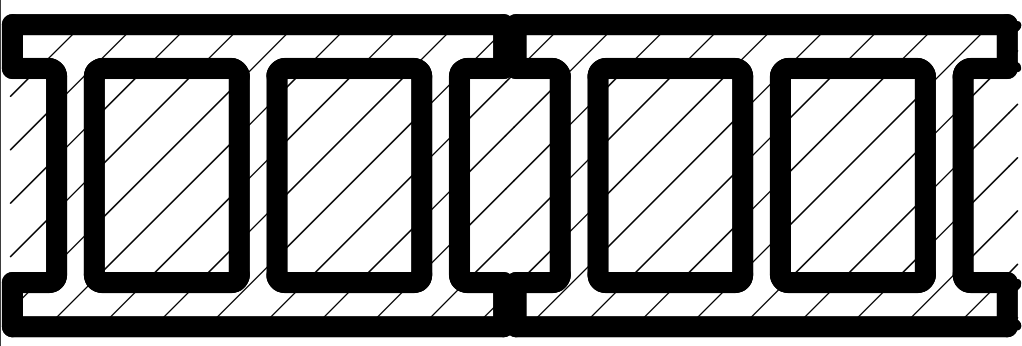
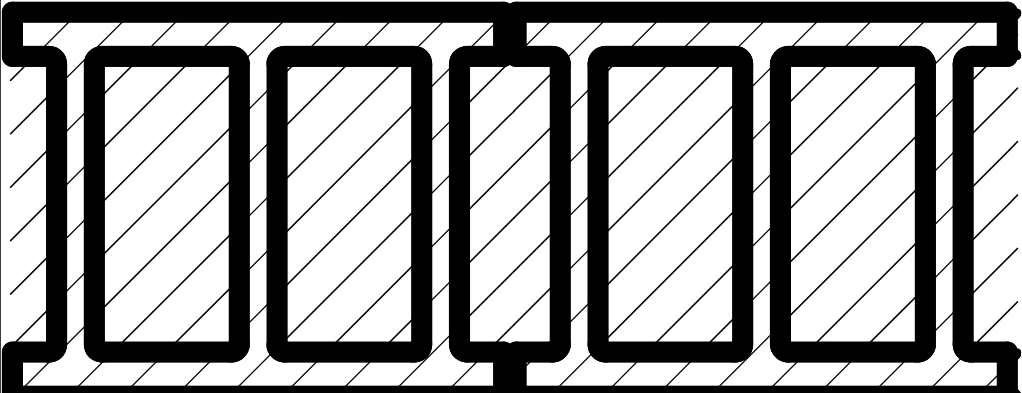
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PROJECT NO: 9119- 19- 0162 / Arcadis 30279056	
DATE: 2022-12-07	
SHEET NUMBER G03-GAL-G0001	ISSUE D

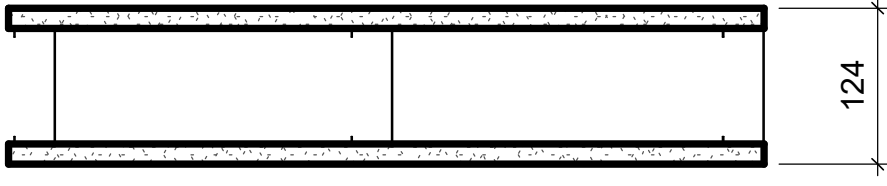
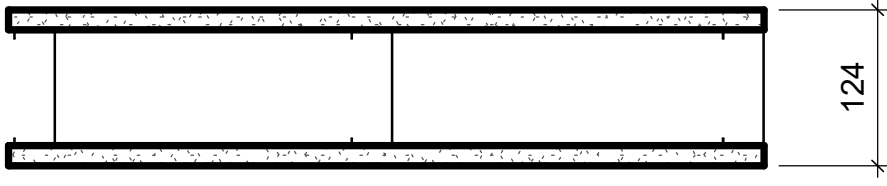
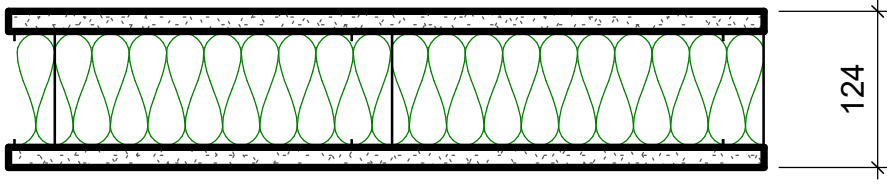
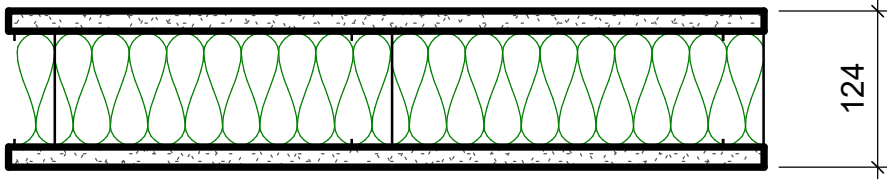
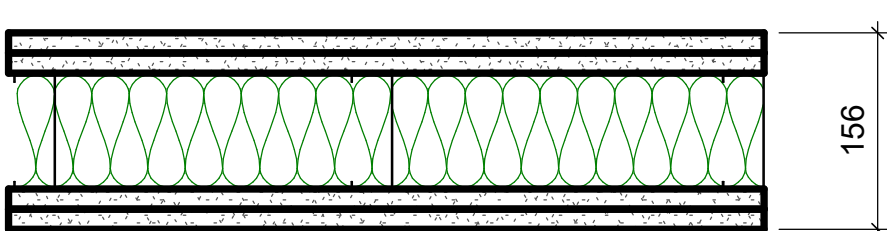
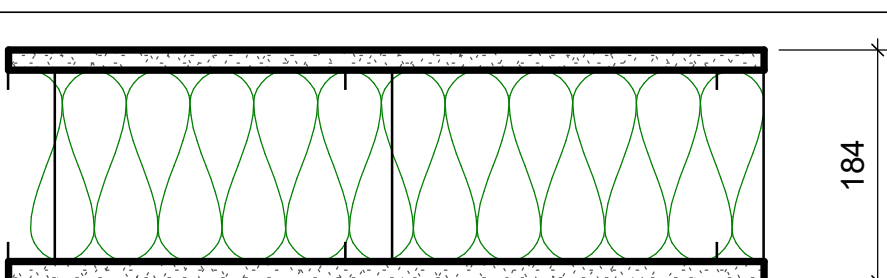
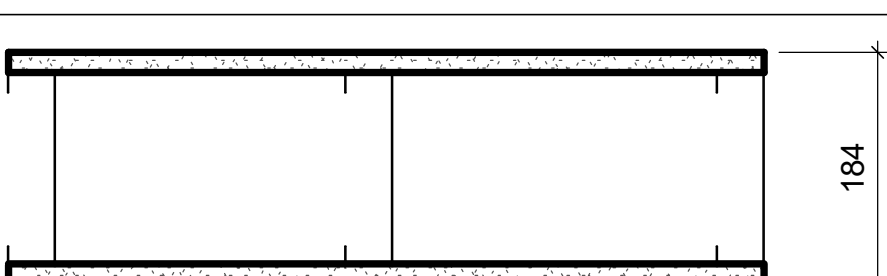
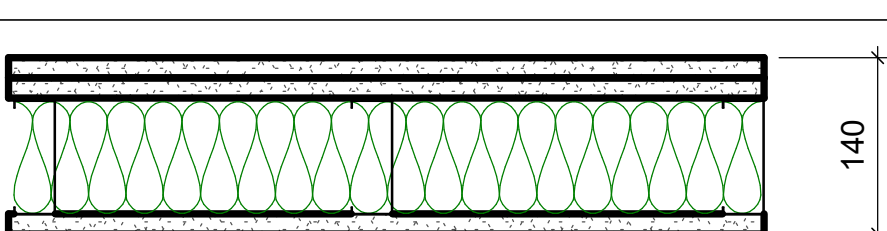


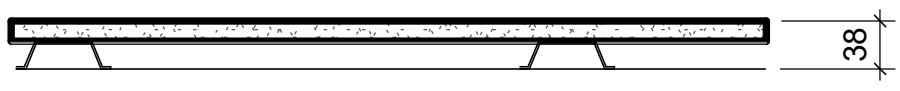
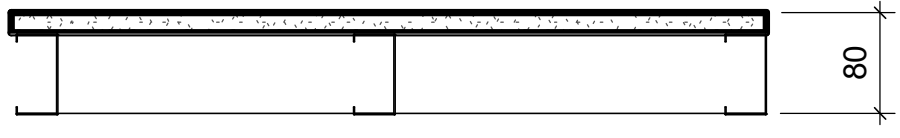

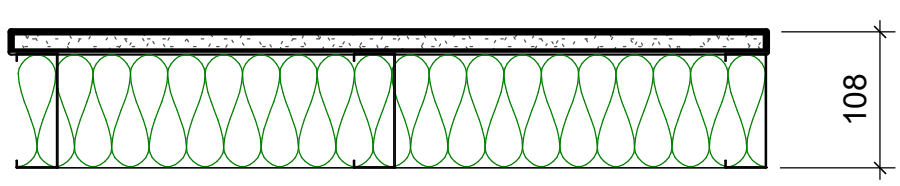
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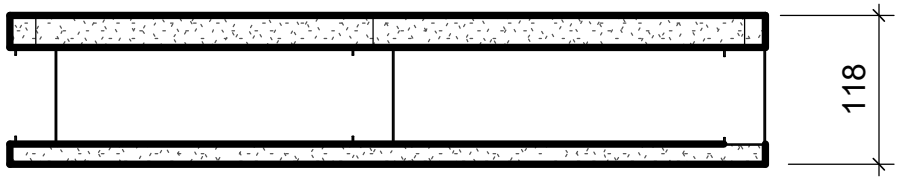
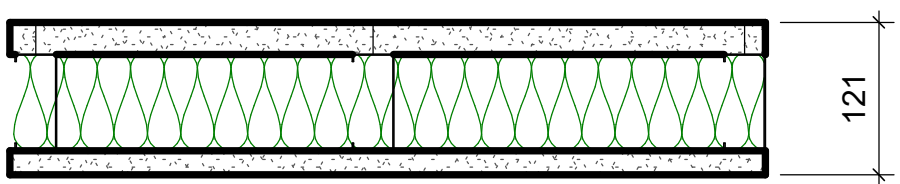
CONCRETE BLOCK				
TYPE NO.	ASSEMBLY	DESCRIPTION	FRR	STC
W1a		- 90mm CONCRETE BLOCK NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE		44
W1b		- 140mm CONCRETE BLOCK NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE	1.0 HR OBC SB-2	46
W1c		- 190mm CONCRETE BLOCK NORMAL WEIGHT TO U/S OF DECK/ SLAB ABOVE	2.0 HR OBC SB-2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

CONSULTANTS

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PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO: 9119- 19- 0162 / Arcadis 30279056	
DRAWN BY: <b>A. BOYNARIAN</b>	CHECKED BY: <b>L. BANDIERA</b>
PROJECT MGR: <b>F.BOLOURIAN</b>	APPROVED BY: <b>E. FENUTA</b>

SHEET TITLE  
WALL TYPES

SHEET NUMBER <b>G03--GAL-G0003</b>	ISSUE <b>D</b>
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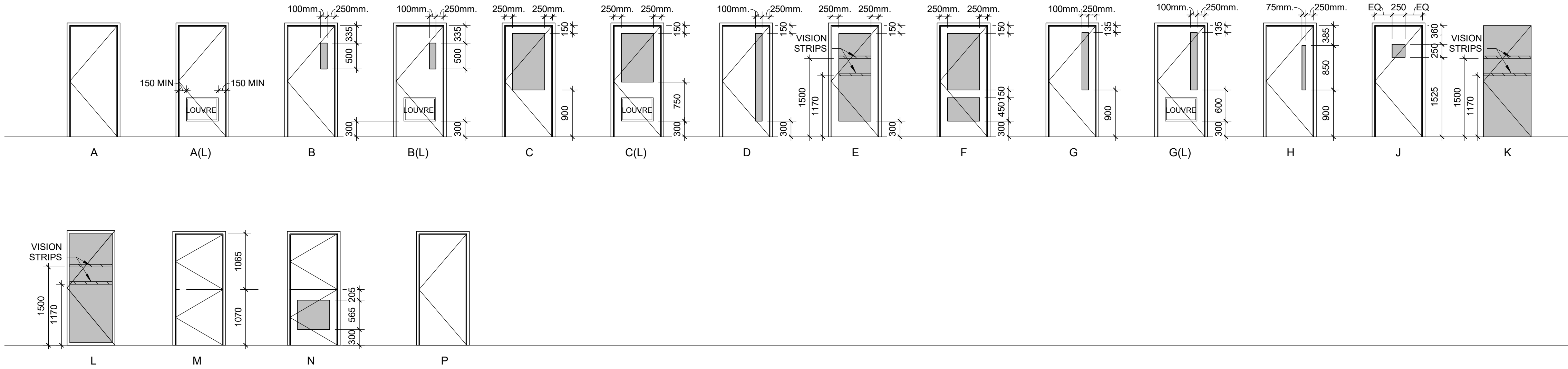
BM 380/112280 - CoT TAU Upgrades R202012280-TAU-G03-General-R20.rvt

10mm

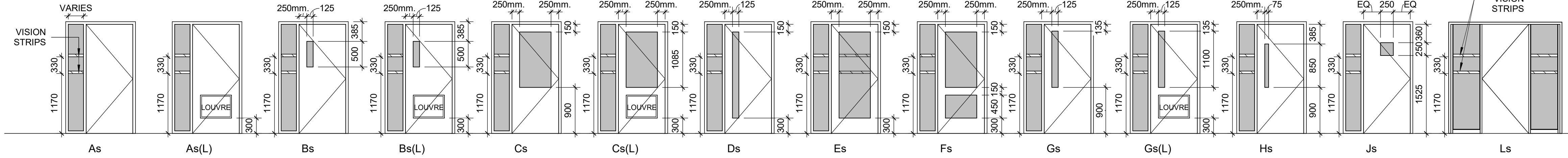
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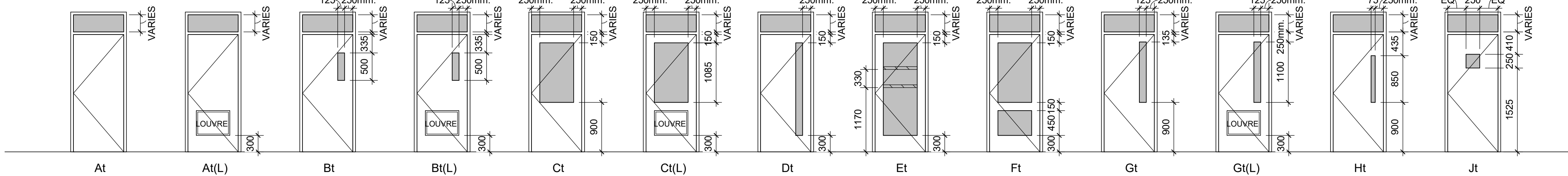
SINGLE DOOR TYPES



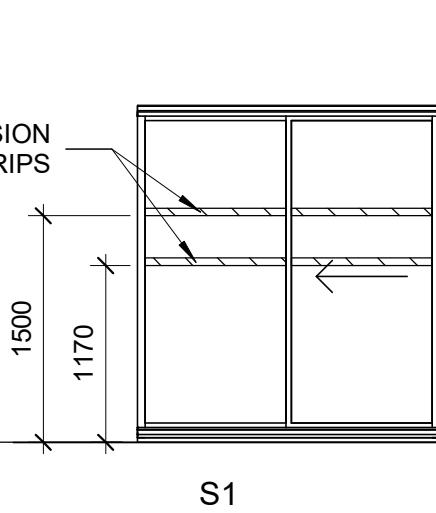
SINGLE DOOR WITH SIDELIGHT TYPES



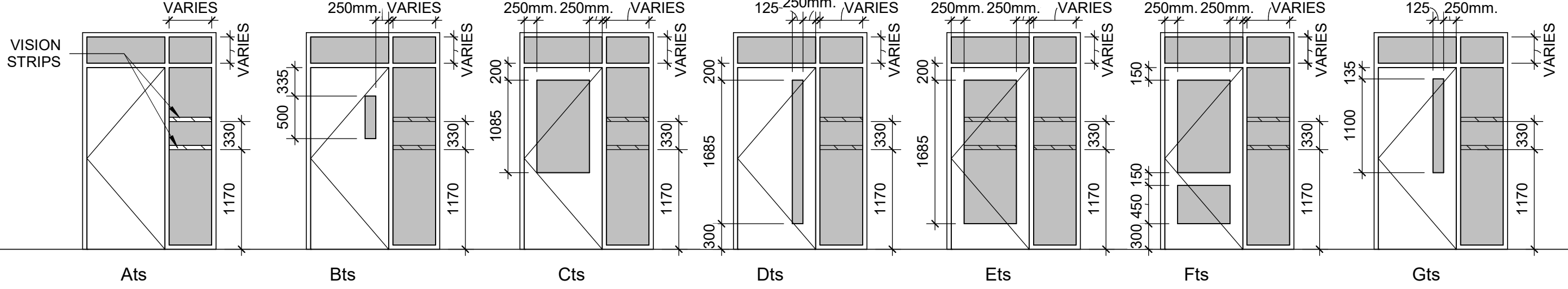
SINGLE DOOR WITH TRANSOM TYPES



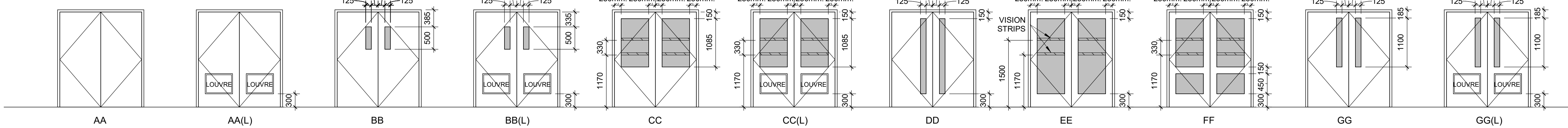
SINGLE SLIDING DOOR TYPE



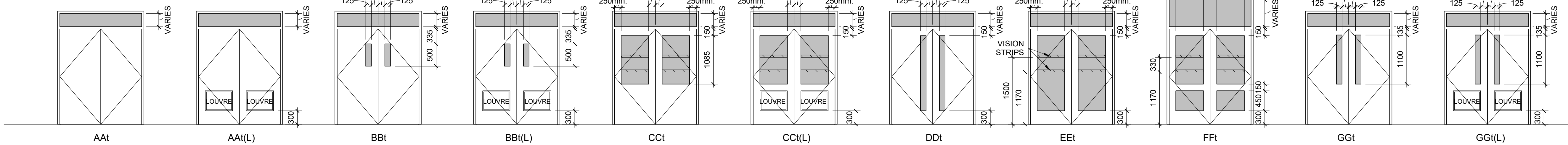
SINGLE DOOR WITH SIDELIGHT & TRANSOM TYPES



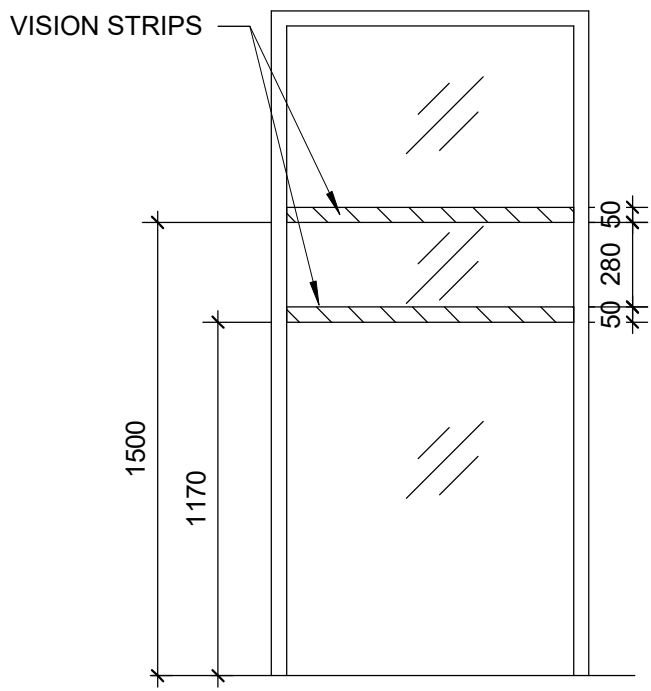
DOUBLE DOOR TYPES



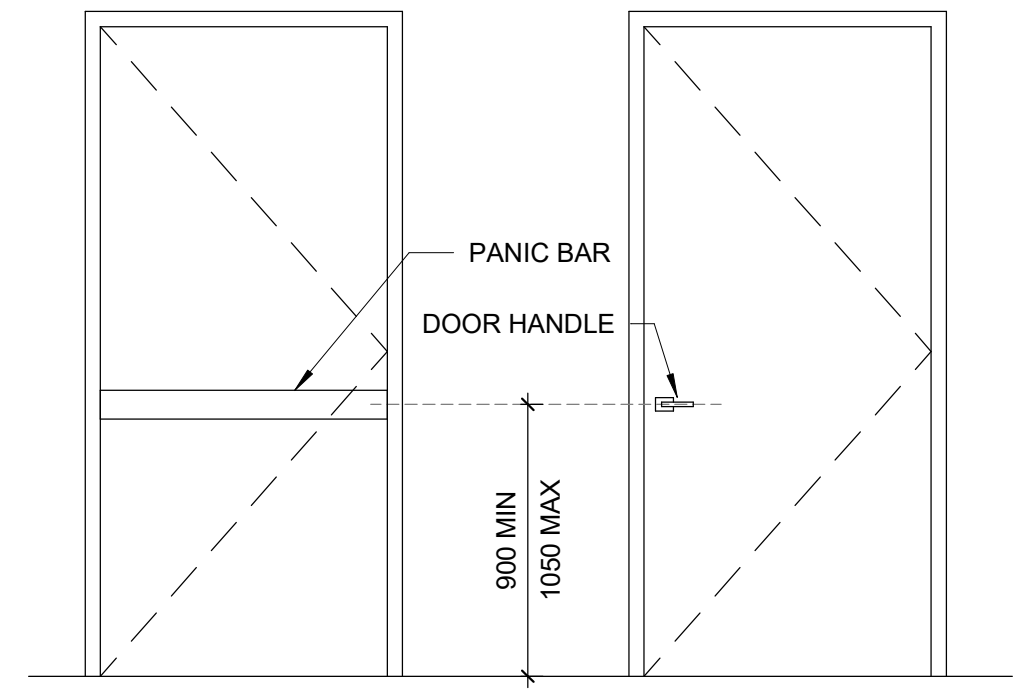
DOUBLE DOOR WITH TRANSOM TYPES



VISION STRIPS



DOOR HANDLE / PANIC BAR HEIGHT



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Project Management Office  
Metro Hall Toronto, ON  
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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

**DOOR TYPES**

SHEET NUMBER

**G03-GAL-G0004**

ISSUE

**D**

BIH 380/112280 - CoT TAU Upgrades R202012280-TAU-G03-General-R20.rvt

1/10mm

SCALE CHECK



REINFORCING STEEL

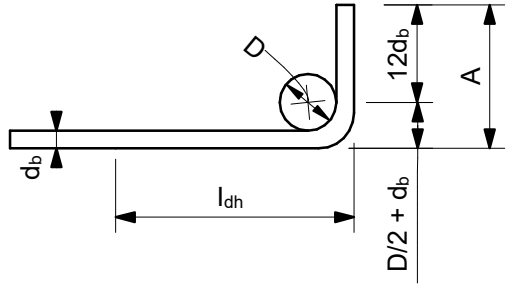
1. ALL REINFORCING STEEL SHALL CONFORM TO CAN/CSA-G30.18-M-2009 (R2014), GRADE 400W.
2. MINIMUM CLEAR SPACING BETWEEN PARALLEL REINFORCING BARS SHALL BE 1.4 TIMES THE BAR DIAMETER, 1.4 TIMES THE MAX. AGGREGATE SIZE OR 30mm WHICHEVER IS GREATER. PROVIDE 75mm MINIMUM LAPPED REBAR CLEARANCE FOR CONCRETE 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) = 0.7x100d<sub>b</sub> / f<sub>c</sub><sup>0.5</sup> > 150 OR 8 d<sub>b</sub>.

STRUCTURAL STEEL:

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

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS
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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 - GENERAL  
NOTES, SYMBOLS &  
ABBREVIATIONS

SHEET NUMBER	ISSUE
G03-GAL-G2002	E

SCALE CHECK

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DRAWN BY: K.DURUKAN	CHECKED BY: B.LIAO
PROJECT MGR: N. FRISCIC	APPROVED BY: S. LIU

SHEET TITLE	
MECHANICAL LEGEND	
SHEET 1 OF 2	
SHEET NUMBER	ISSUE
G03-GAL-G3001	D

CONTROLS POINT FUNCTION ABBREVIATION						
FIRST LETTER		SECOND LETTER		THIRD LETTER		FOURTH LETTER
A	AIR	A	H-O-A STATUS	H	HIGH	
C	COMPRESSED GAD	C	CLOSE	L	LOW	
D	DAMPER	E	VOLTAGE	X	TRASMITTER	
E	EQUIPMENT	F	FIRE (ALARM) SMOKE	Z	INDICATING TRANSMITTER	
G	NATURAL GAS	FL	FLOW	D	DIFFERENTIAL	
L	LIQUID	H	HUMIDITY			
S	STEAM	I	CURRENT			
V	VALVE	L	LEVEL			
M	MISCELLANEOUS	O	OPEN			
		OL	OVERLOAD			
		OR	OVERRIDE			
		P	PRESSURE			
		SS	START / STOP			
		ST	STATUS			
		T	TEMPERATURE			
		V	VELOCITY / SPEED			
		WT	WINDING TEMPERATURE			
		X	POSITION			
		Y	SERIAL COMM'S			

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

XX - YYYY

POINT FUNCTION ABBREVIATION  
POINT TYPE

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

e.g. DO - ESS

START / STOP  
EQUIPMENT  
DIGITAL OUTPUT

GENERAL NOTES

- 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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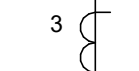
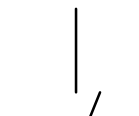
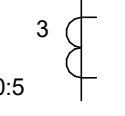

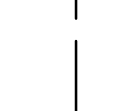

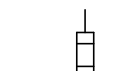
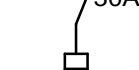
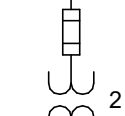


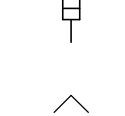
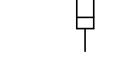
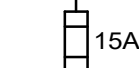
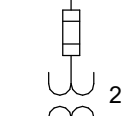

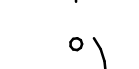
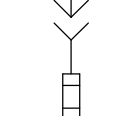


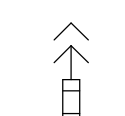


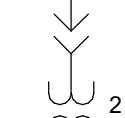
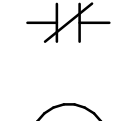

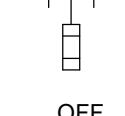
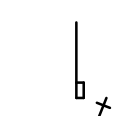

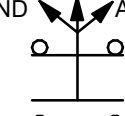

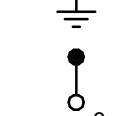
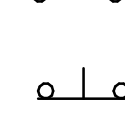
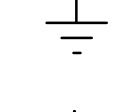

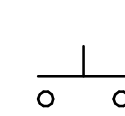
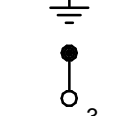

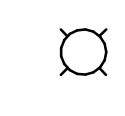
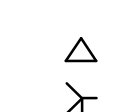
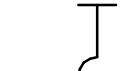
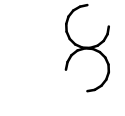
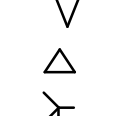

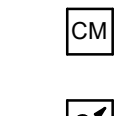
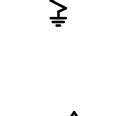

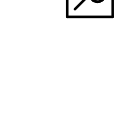
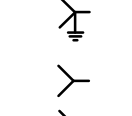







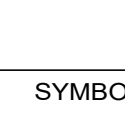
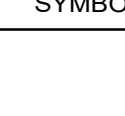











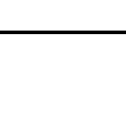


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PROJECT MGR: N. FRISCIC	APPROVED BY: S. LIU

SHEET TITLE  
MECHANICAL LEGEND  
SHEET 2 OF 2

SHEET NUMBER G03-GAL-G3002	ISSUE D
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D		ISSUED FOR TENDER		2025-04-11
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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 2				
SHEET NUMBER		ISSUE		
G03-G4002		D		

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

MOUNTING HEIGHTS SCHEDULE		
MOUNTING HEIGHTS TO TOP OF DEVICE.		
ALL DIMENSIONS ARE ABOVE FINISHED FLOOR (AFF) UNLESS NOTED OTHERWISE.		
LIGHT SWITCH	1050mm	
RECEPTACLE - FINISHED AREAS	460mm	
RECEPTACLE - UNFINISHED AREAS	1050mm	
RECEPTACLE - ABOVE COUNTER	300mm	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 EMPTY CONDUITS AND COMMUNICATIONS CONDUITS WITHOUT METAL WIRING/CABLES TO FACILITATE FUTURE DETECTION.
2. NO SPLICES ARE ALLOWED FOR COMMUNICATION CABLES.
3. NO SPLICES ARE ALLOWED BELOW GRADE FOR POWER WIRE AND CABLE.
4. THERE MUST BE A BREAK IN ALL UNDERGROUND CONDUITS OUTSIDE THE BUILDING/TOWERS/ELECTRICAL/COMMUNICATIONS/BOILER ROOM TO ALLOW DRAINAGE OF RACEWAY BEFORE ENTERING THE ROOMS.
5. PROVIDE LAYOUT (WITH DIMENSIONS) OF ALL UNDERGROUND PULL POINTS INCLUDING HAND HOLES, MAN HOLES AND CONCRETE PULL BOXES TO THE CONSULTANT FOR APPROVAL PRIOR TO INSTALLATION.
6. INSTALL HAND HOLES AWAY FROM MAJOR TRAFFIC AREAS (TYPICAL).
7. PROVIDE HEAT TRACING PROTECTION FOR WATER PIPES, STORM PIPES AND SANITARY PIPES AS SHOWN ON ELECTRICAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR PIPING LAYOUT. HEAT TRACING SHALL BE RAYCHEM MODEL 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 MOUNTED FIRE, ELEVATOR FIRE, ELEVATOR CALL OR DETECTOR 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 (CONCRETE PULL BOXES, HAND HOLES OR MAN HOLES). WHERE OEC REQUIRES ADDITIONAL PULL POINTS FOR WIRING SEPARATION, PROVIDE ADDITIONAL CONCRETE PULL BOX (OR HAND HOLE) AS REQUIRED. IF AN ADDITIONAL MAN HOLE IS REQUIRED, IT IS PREFERRED TO PROVIDE AN ADDITIONAL HAND HOLE OR CONCRETE PULL BOX IF POSSIBLE.

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D	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY: V. MAC	CHECKED BY: 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  
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# CITY OF TORONTO

# ACCESSIBILITY UPGRADES

# TYPICAL DETAILS BOOKLET

9119- 19- 0162 / Arcadis 30279056

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SHEET #	SHEET TITLE
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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
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D1401	STAIR DETAILS - 01
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D1405	TACTILE DETAILS
D1501	MISCELLANEOUS DETAILS - 01
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D1601	ELEVATOR DETAILS
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D1701	ACCESSIBLE PARKING AND SITE MARKING DETAILS
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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	
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D4001	ELECTRICAL DETAILS 1

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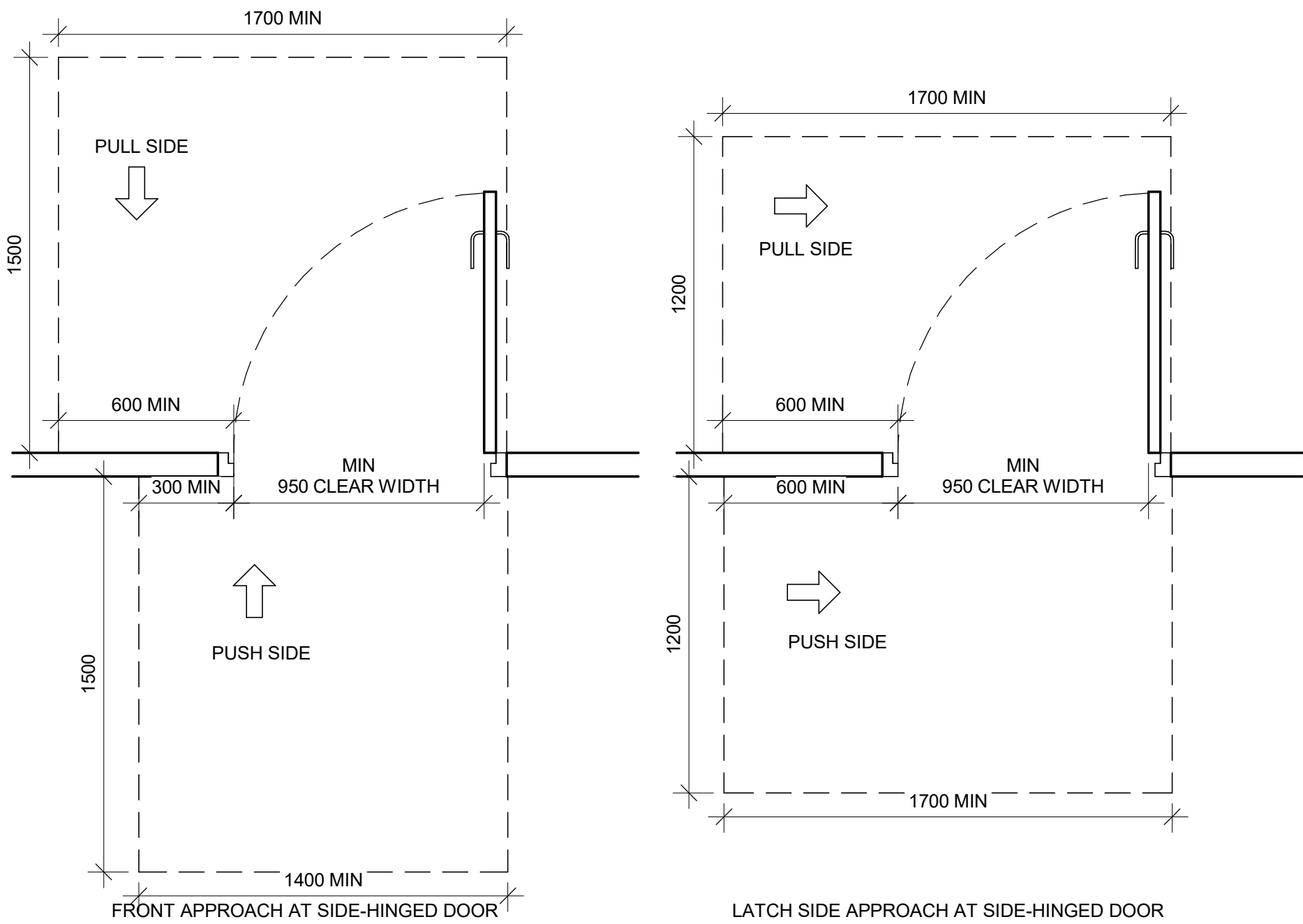
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D1000	A

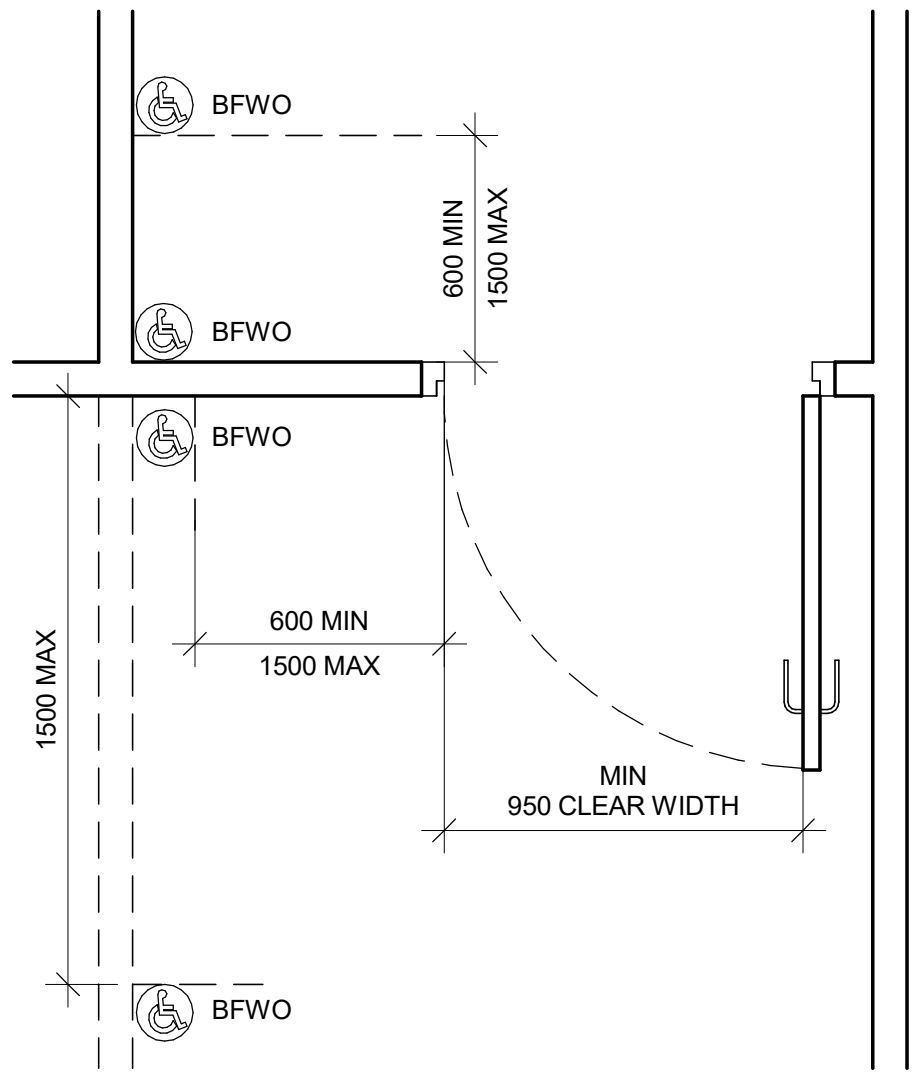
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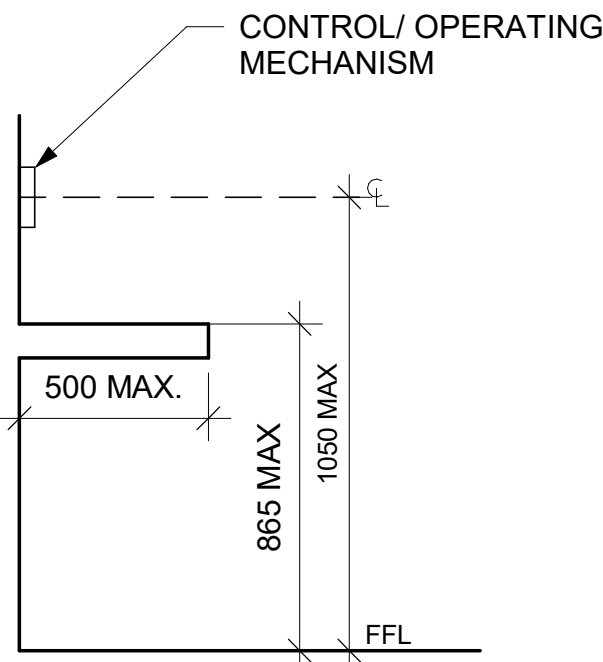
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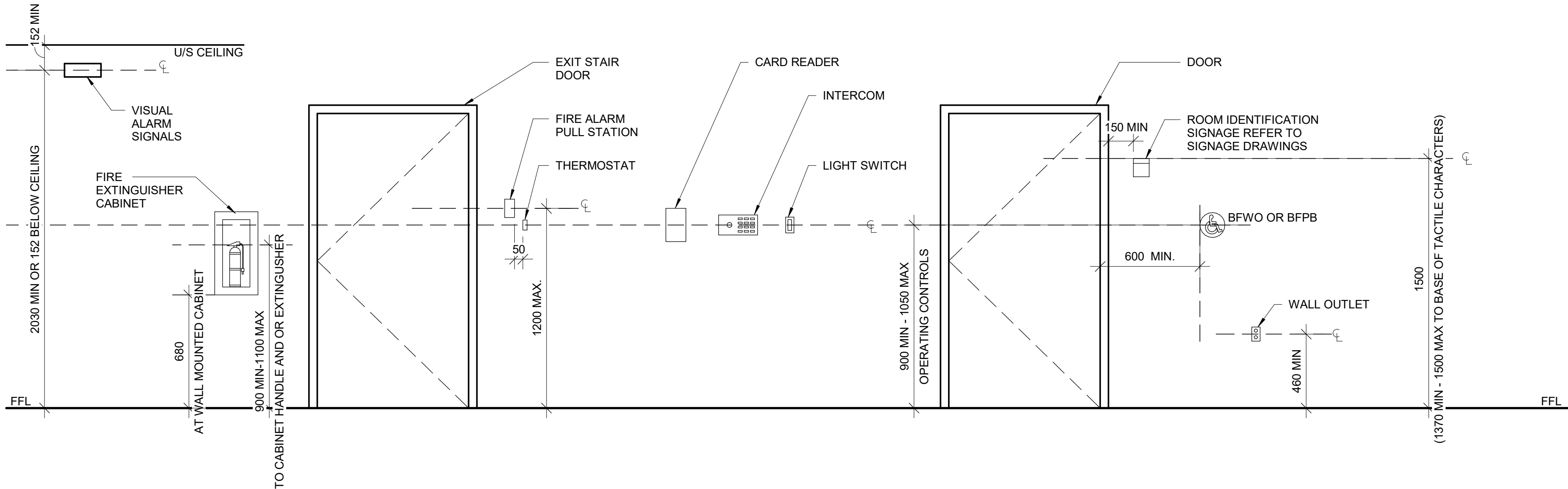
2 DOOR APPROACH CLEARANCES  
D1001 Scale: 1 : 20



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



4 CONTROL HEIGHTS AT OBSTRUCTIONS  
D1001 Scale: 1 : 20



5 MOUNTING HEIGHTS  
D1001 Scale: 1 : 20

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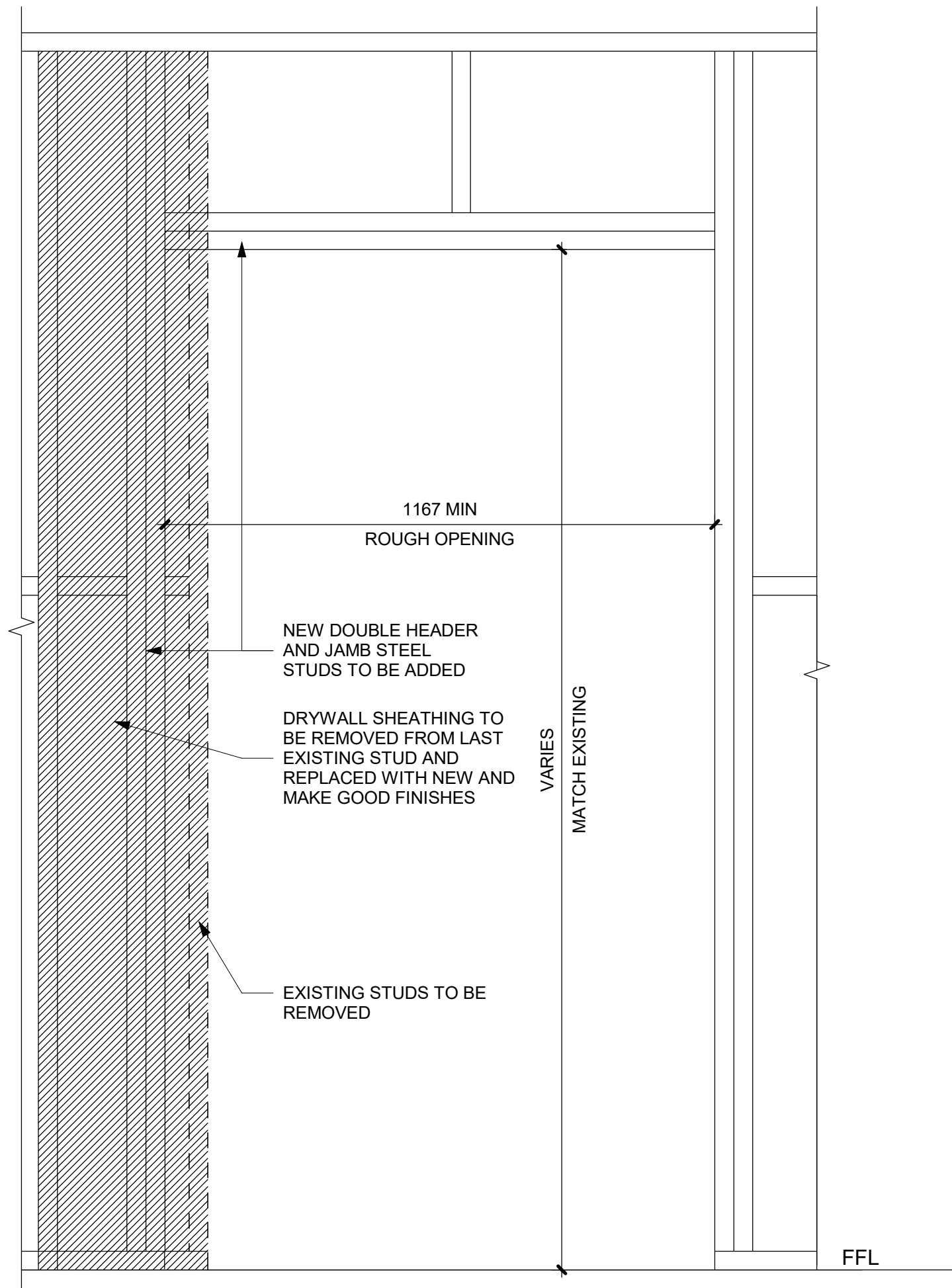
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**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

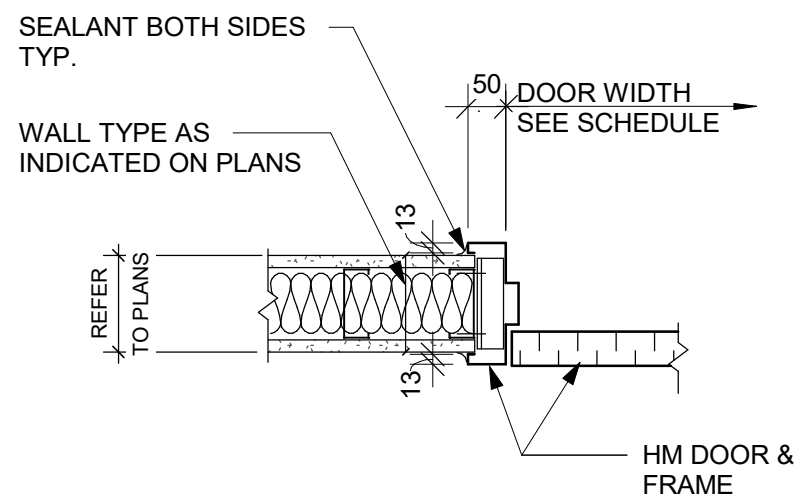
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CHECKED BY:  
**L. BANDIERA**  
PROJECT MGR:  
**F. BOLOURIAN**  
APPROVED BY:  
**E. FENUTA**

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

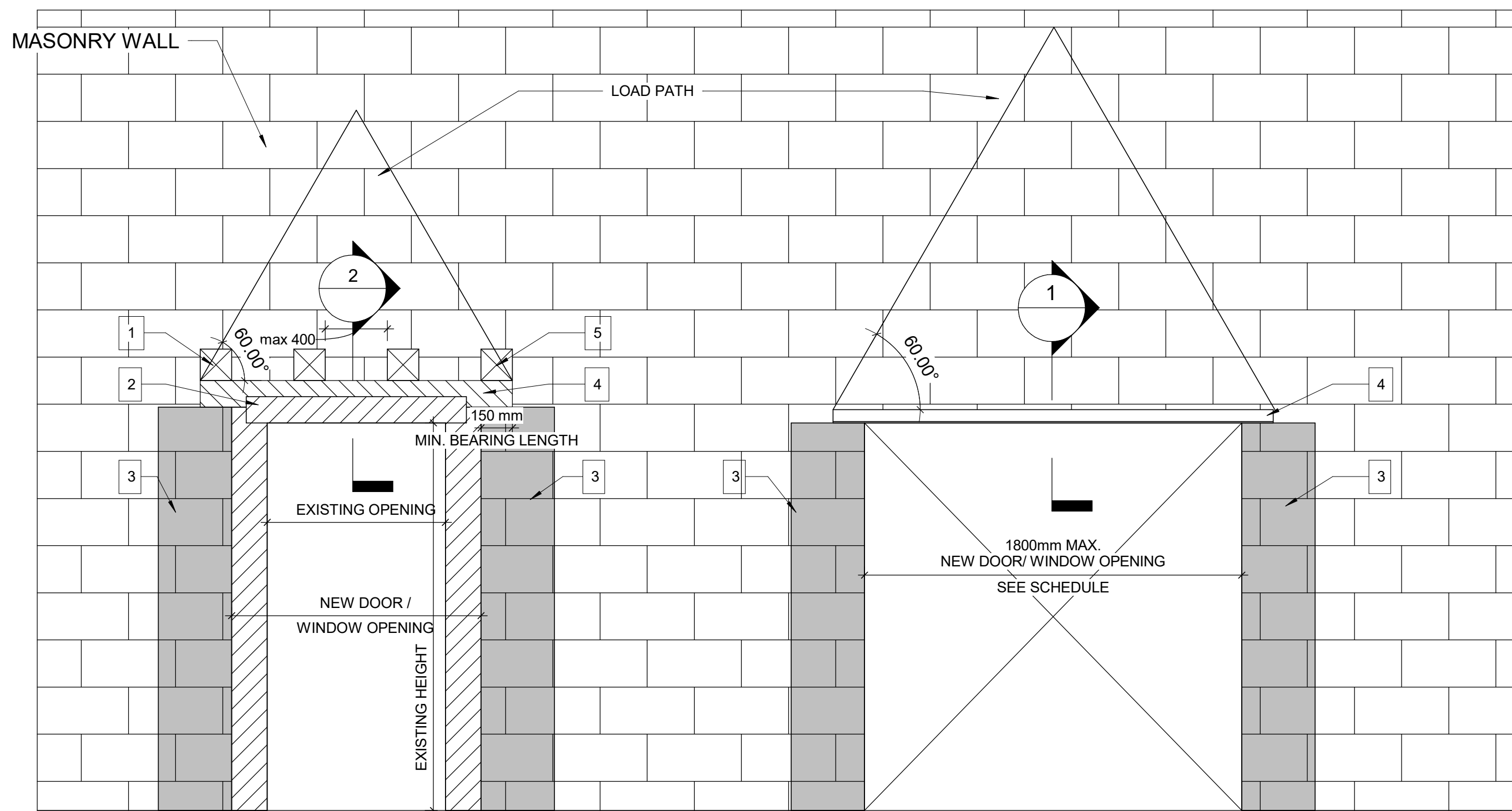
SHEET NUMBER  
**D1001**  
ISSUE  
**A**



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

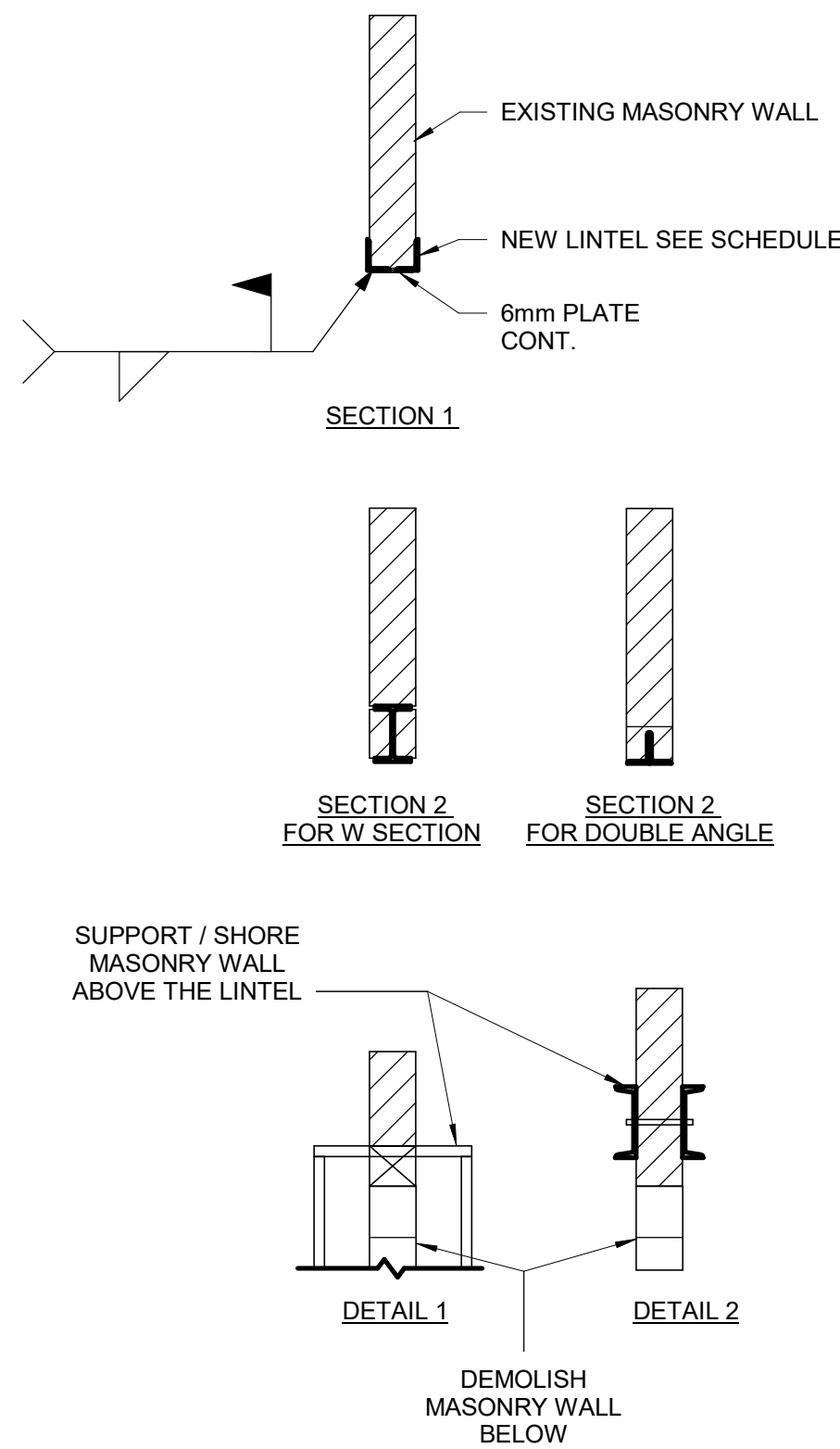
NEW DOOR/WINDOW OPENING  
INTO EXISTING MASONRY WALL TYP.

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'-)	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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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
**A. BOYNARIAN**

CHECKED BY:  
**K. TILAHUN**

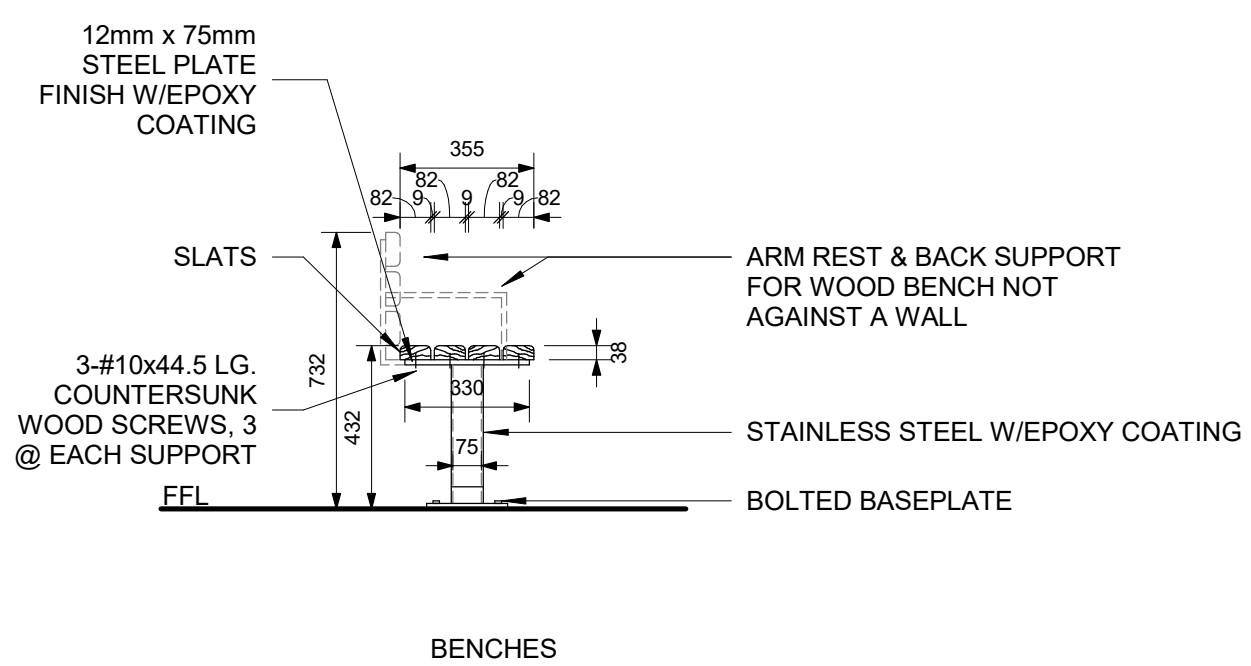
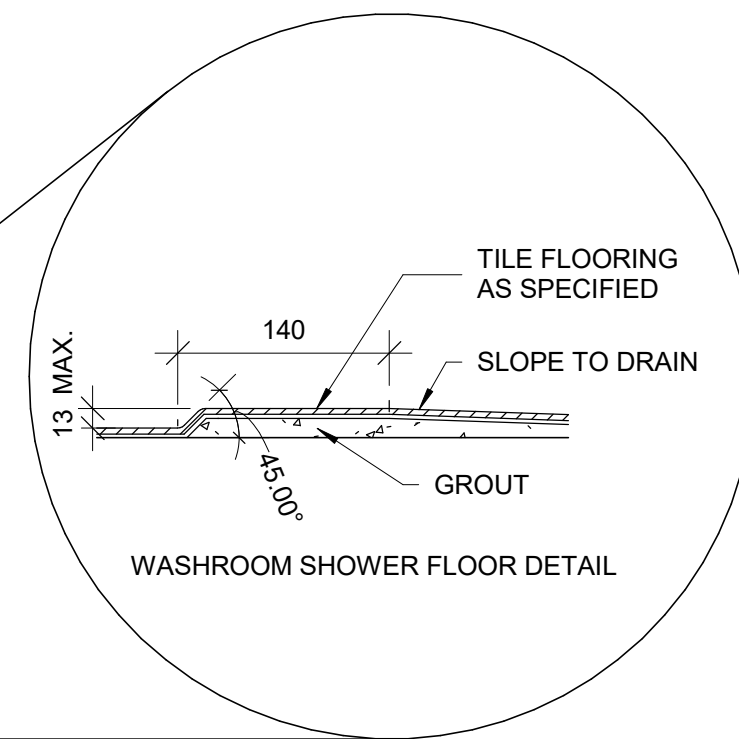
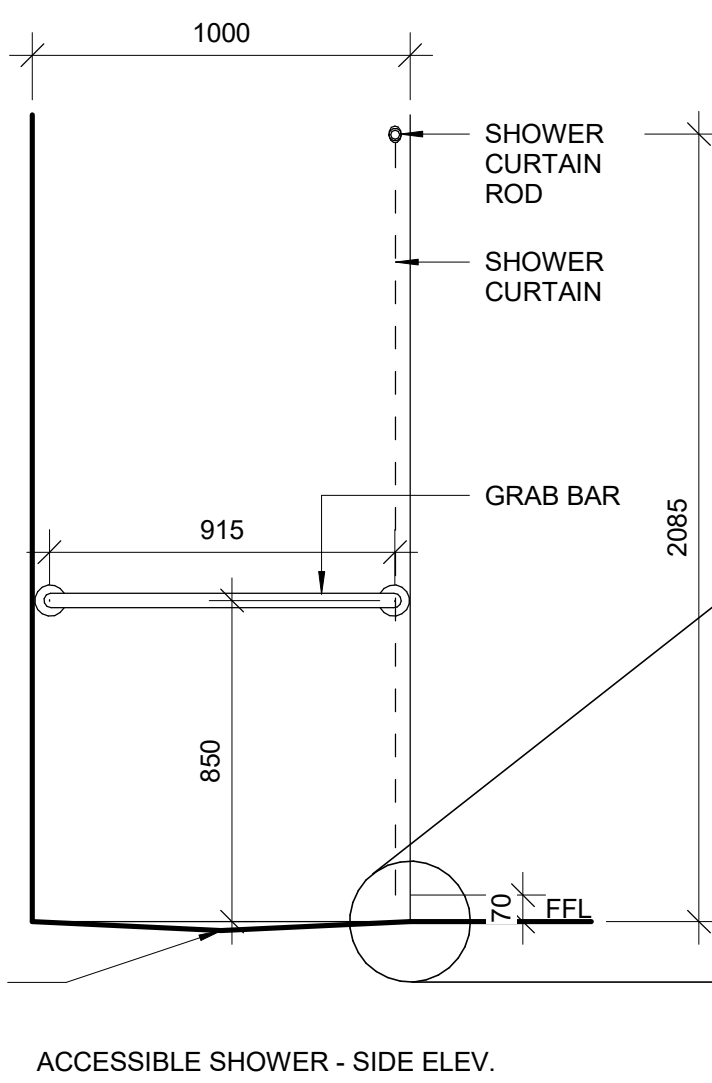
PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**E. FENUTA**

SHEET TITLE  
**DRYWALL CUT OUT**

SHEET NUMBER  
**D1002**

ISSUE  
**A**



6 WASHROOM/CHANGEROOM BENCH  
D1201 Scale: 1 : 20



Technical drawing of a wall-mounted accessible urinal. The drawing shows the urinal unit mounted on a wall. Key dimensions and components are labeled:

- Top Mounting Dimensions:**
  - Overall width: 480 MIN.
  - Distance from left wall to urinal center: 380 MIN.
  - Distance from urinal center to right wall: 380 MIN.
  - Maximum distance between walls: 450 MAX.
- Left Wall Details:**
  - Privacy screen when required: Indicated by an arrow pointing to the left wall.
  - Distance from urinal center to left wall: 430 MAX.
  - Distance from urinal center to bottom of left wall: 275.
- Right Wall Details:**
  - Control: Indicated by an arrow pointing to the right wall.
  - Distance from urinal center to bottom of right wall: 1000.
- Urinal Unit:**
  - Grab bar: Indicated by an arrow pointing to the horizontal bar above the urinal.
  - WALL MOUNTED ACCESSIBLE URINAL: Labeled at the bottom of the urinal unit.
- Reference Line:**
  - F.F.L. (Finish Floor Line): Indicated by a horizontal line at the bottom of the drawing.

5 ACCESSIBLE WASHROOM - URINAL  
D1201 Scale: 1 : 20

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PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY: <b>A. BOYNARIAN</b>	CHECKED BY: <b>K. TILAHUN</b>
----------------------------------	----------------------------------

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

SHEET TITLE

ACCESSIBLE  
WASHROOM, SHOWER &  
ACCESSORIES DETAILS

SHEET NUMBER	ISSUE
D1201	A



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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

UNIVERSAL WASHROOM  
ELEVATIONS

SHEET NUMBER

D1203

ISSUE

A

2025-04-11 10:39:53 AM

SCALE CHECK

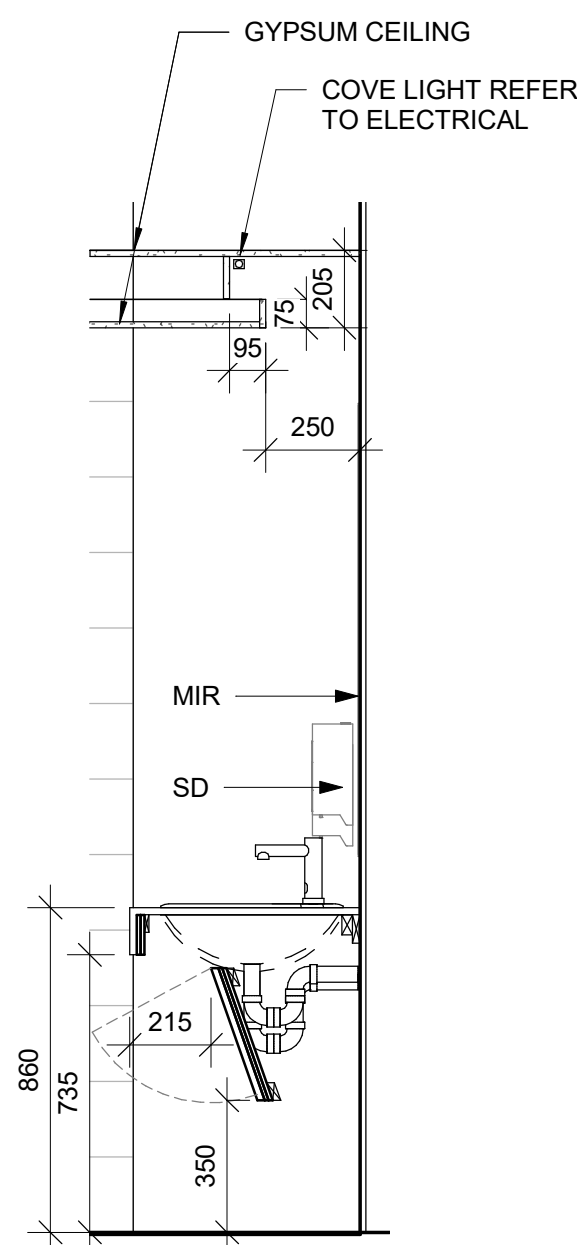
1 in

10mm

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

3 SECTION THROUGH VANITY  
D1204 Scale: 1 : 20

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PROJECT TITLE  
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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

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

SHEET TITLE  
WASHROOM VANITY  
SECTION

SHEET NUMBER  
**D1204**

ISSUE  
**A**

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PROJECT ADDRESS

PROJECT NO:  
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SHEET TITLE

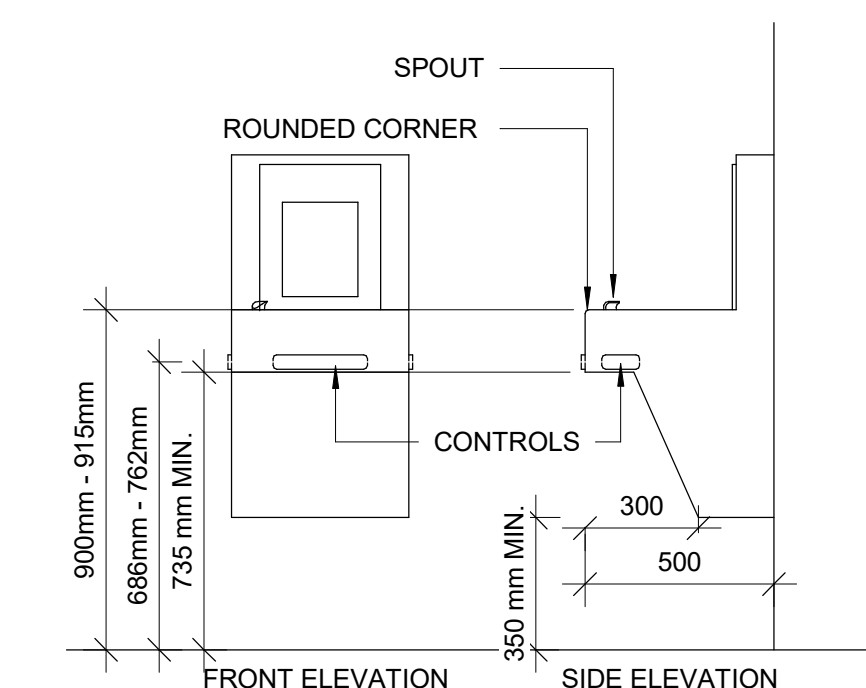
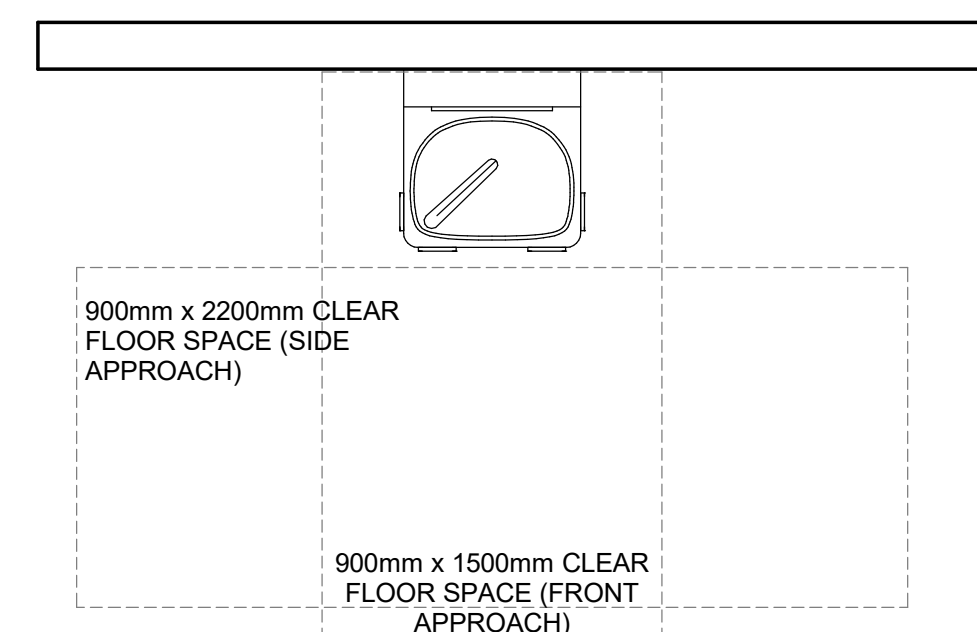
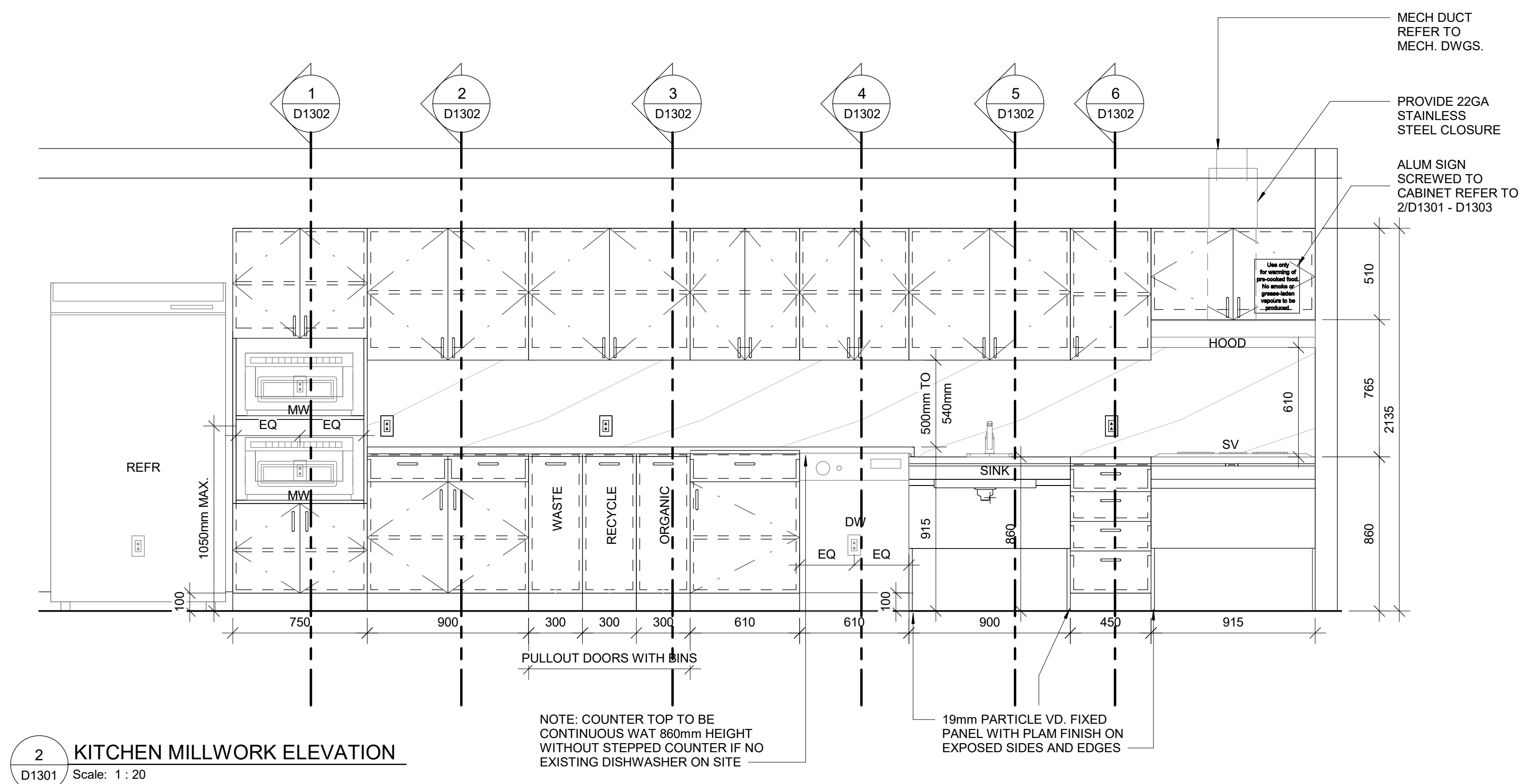
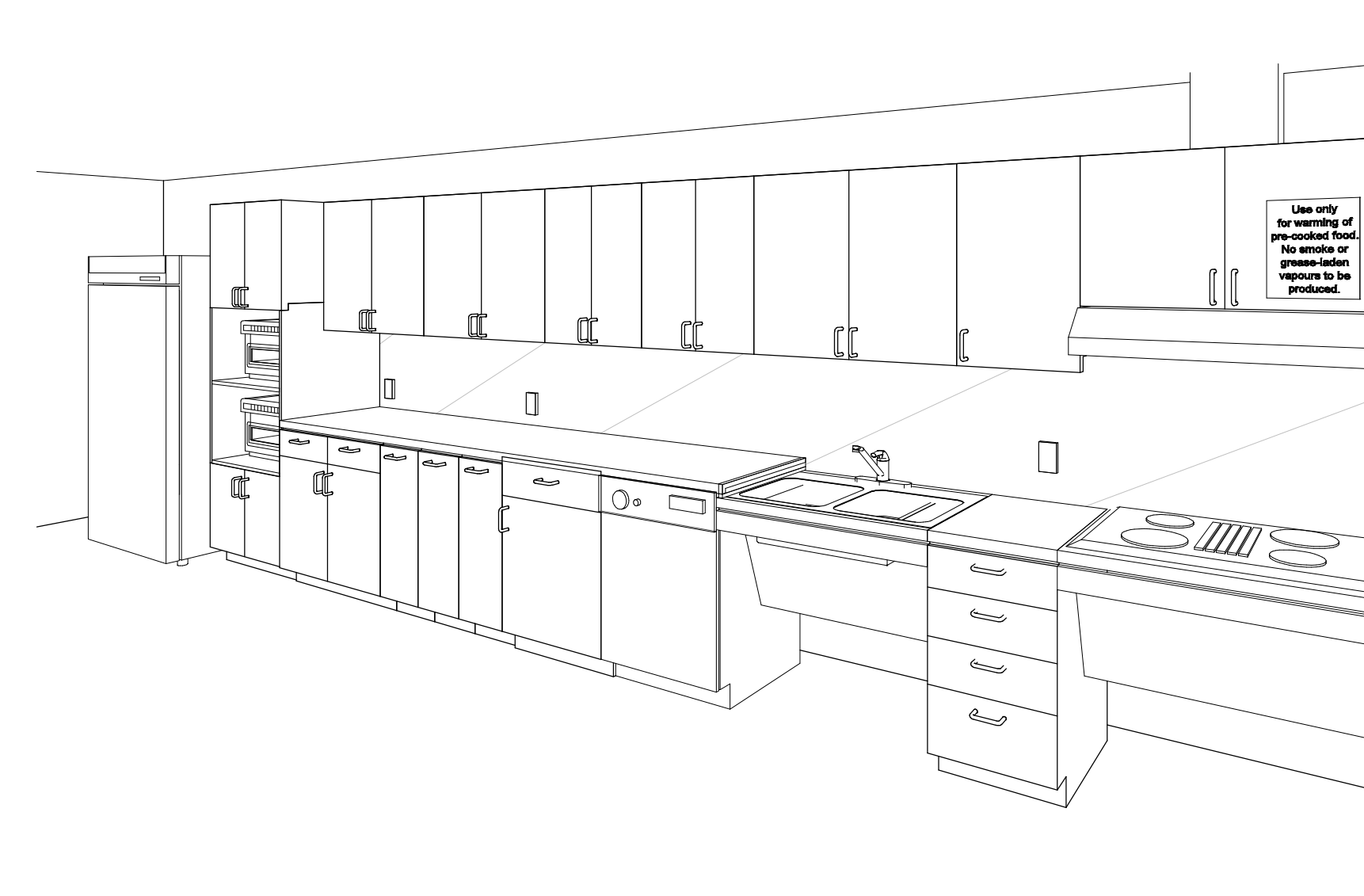
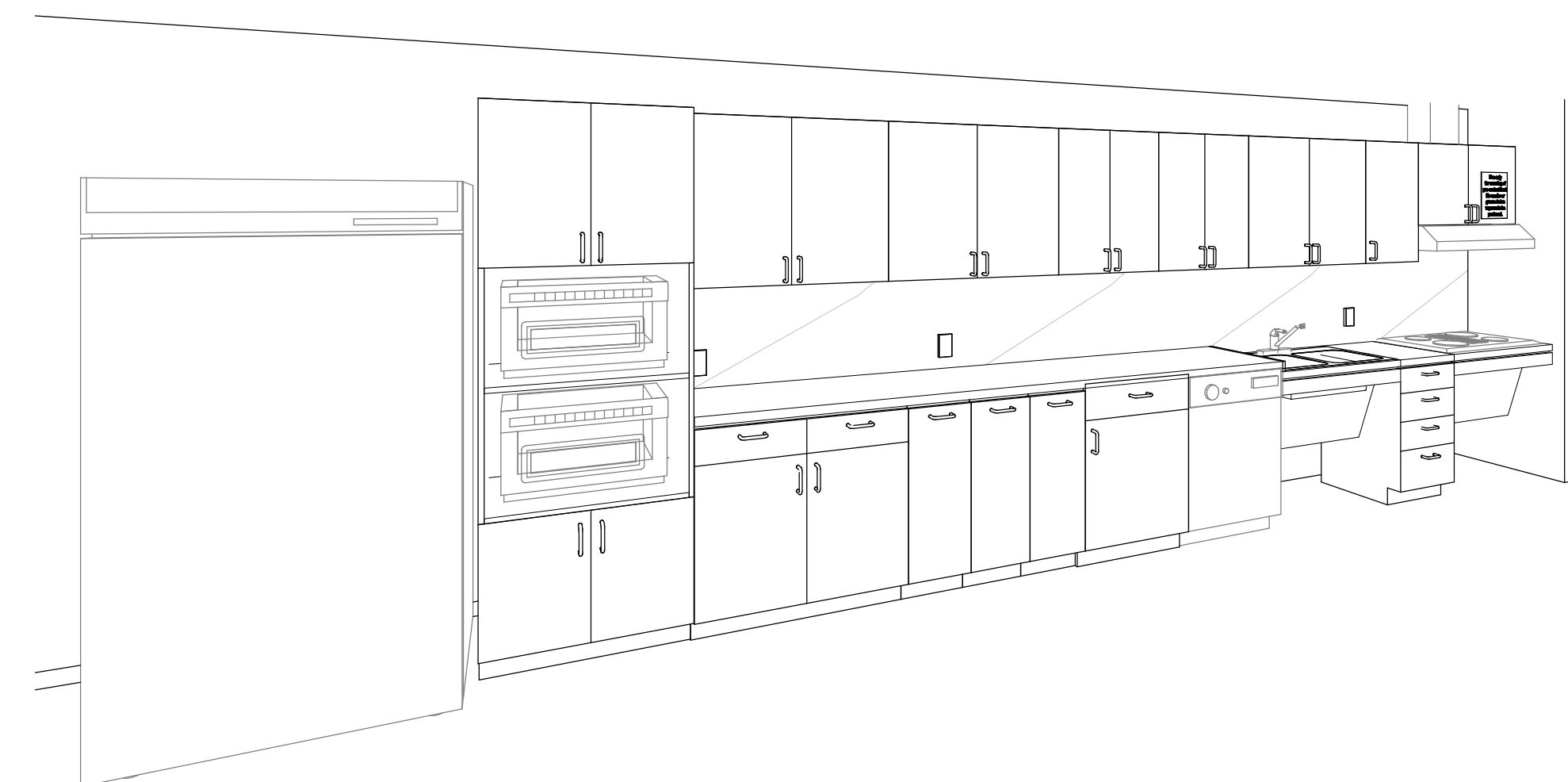
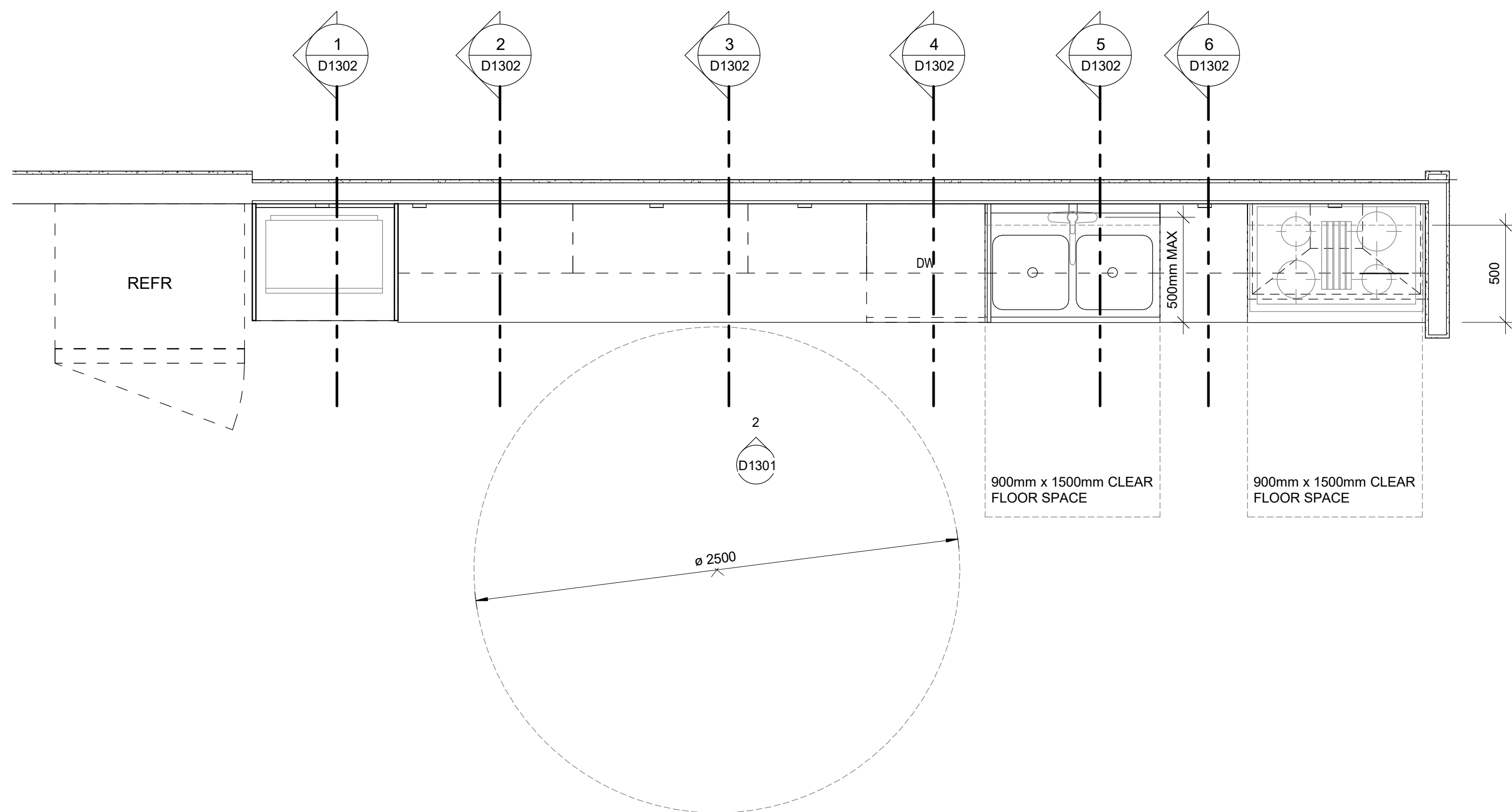
UNIVERSAL WASHROOM  
EMERGENCY CALL  
SYSTEM

SHEET NUMBER	ISSUE
D1205	A

2025-04-11 10:39:53 AM

SCALE CHECK  
1 in

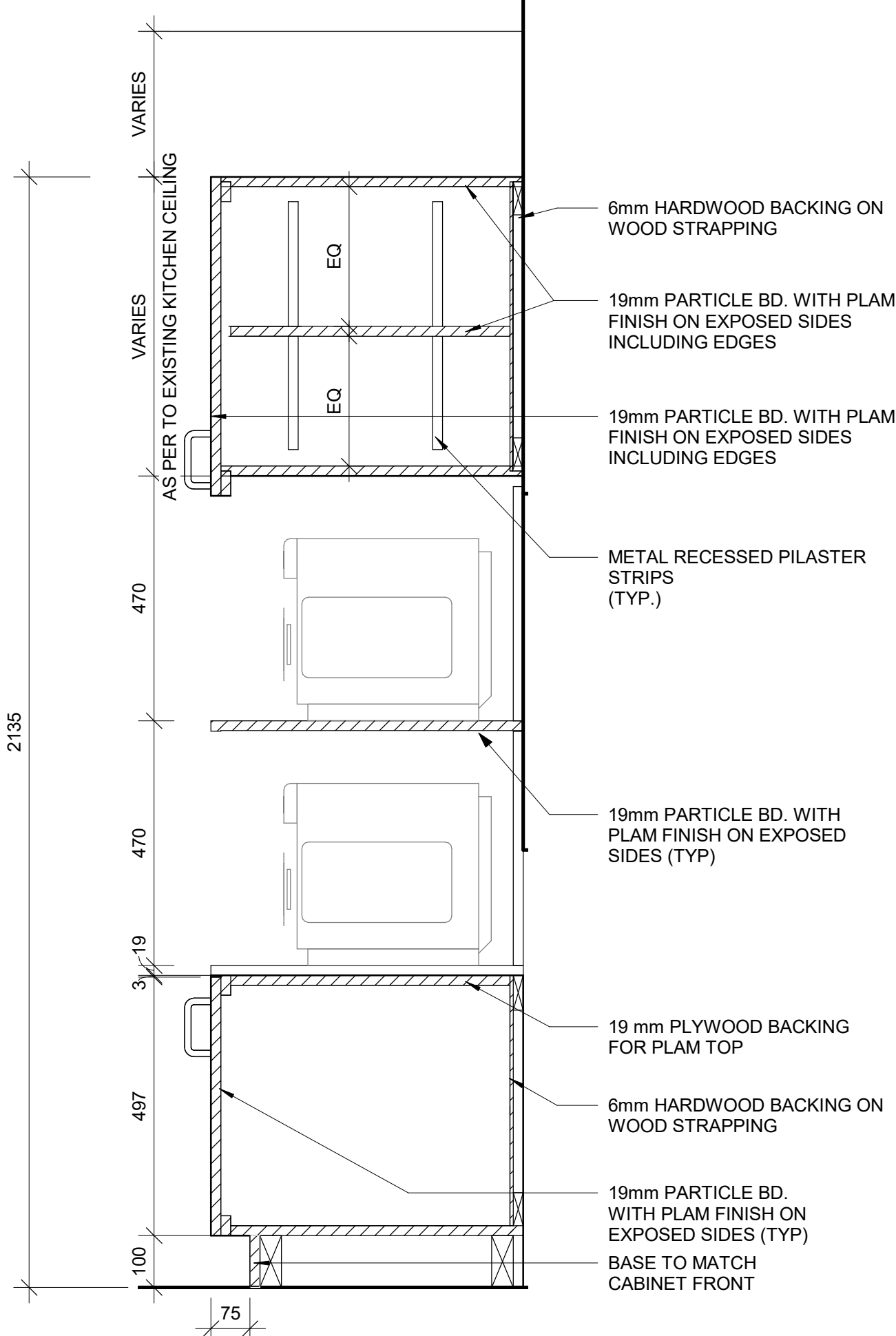
10mm



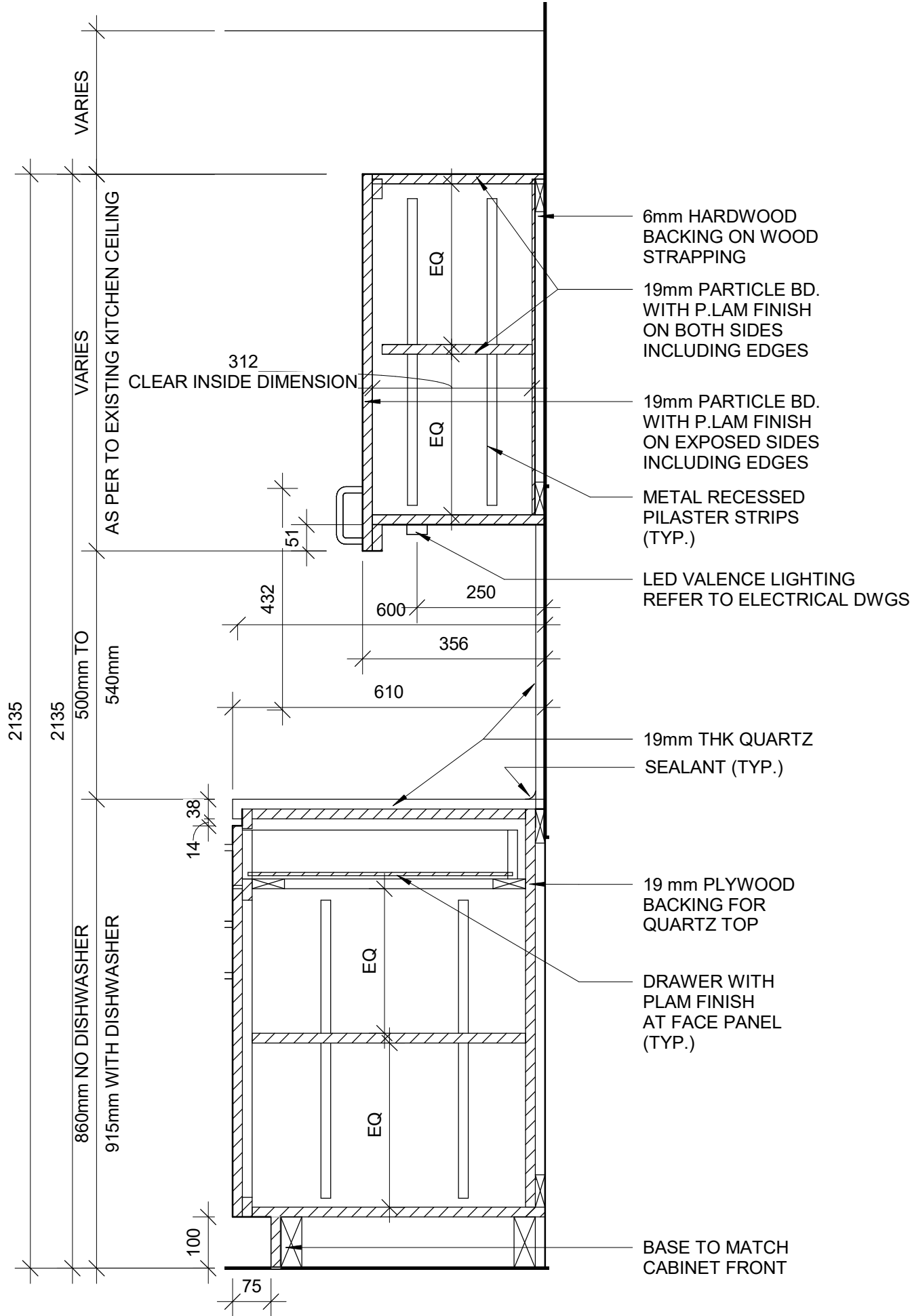
**NOTE:**

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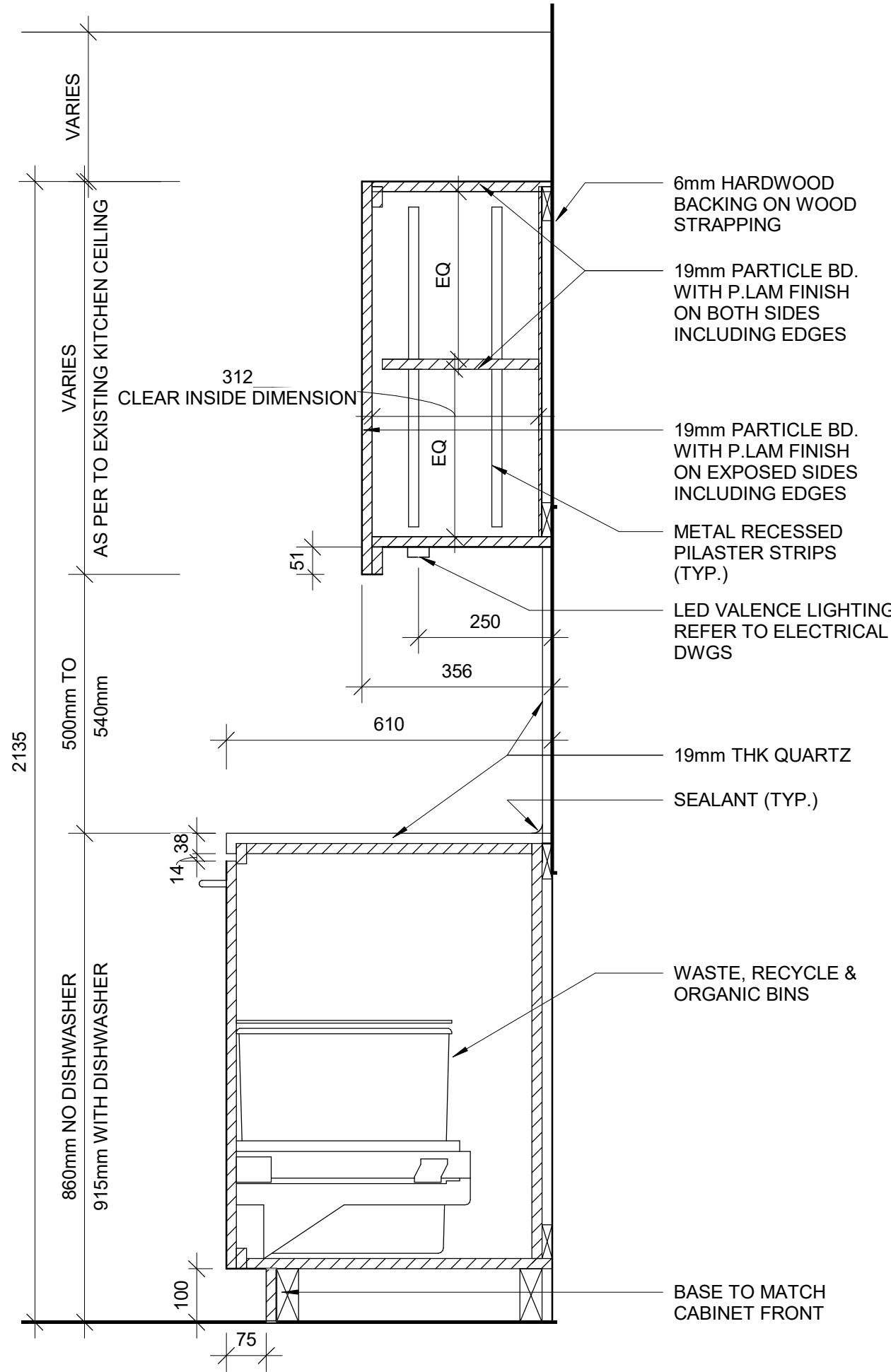
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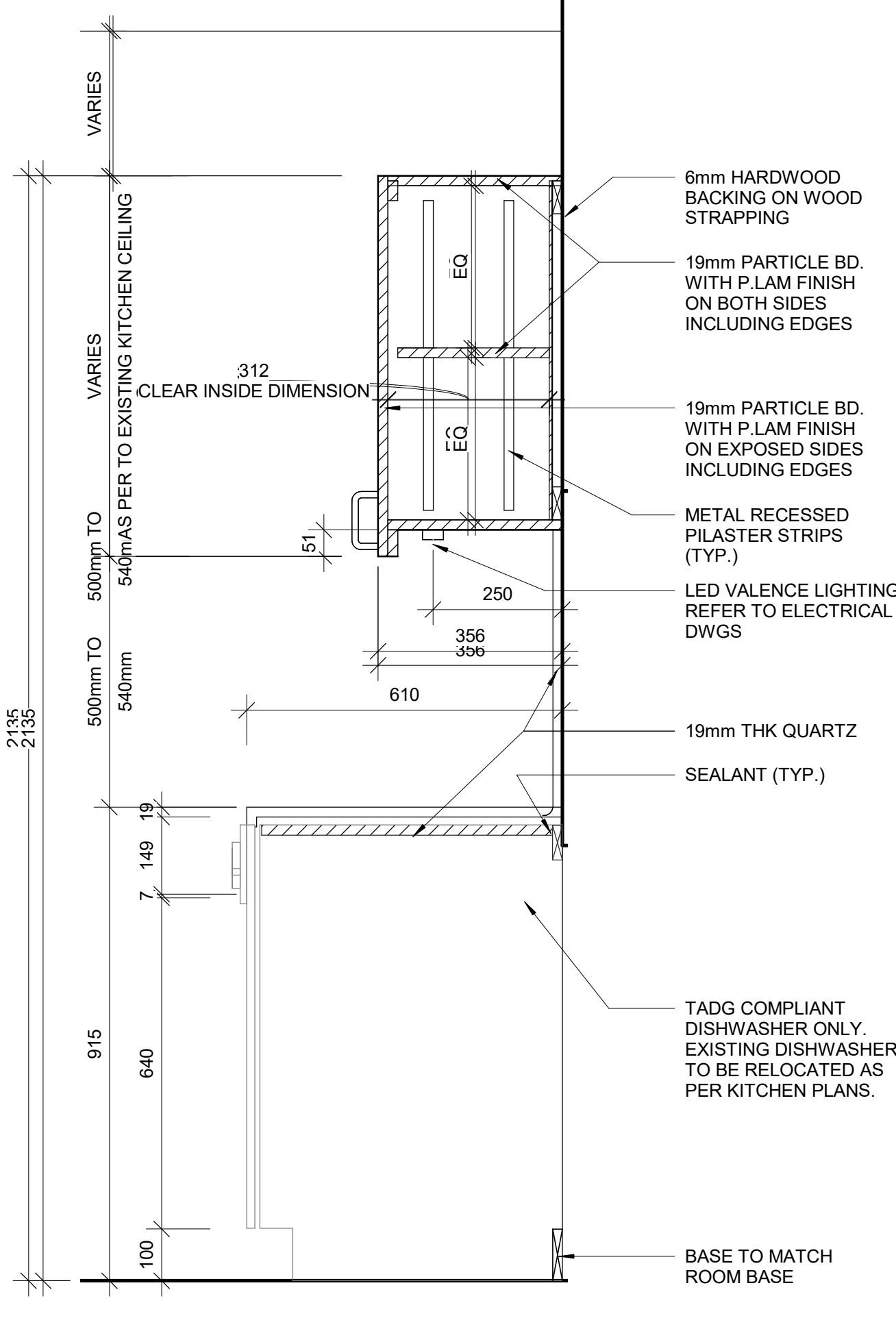
1 BASE CABINETRY- MICROWAVE STORAGE  
D1302 / Scale: 1 : 10



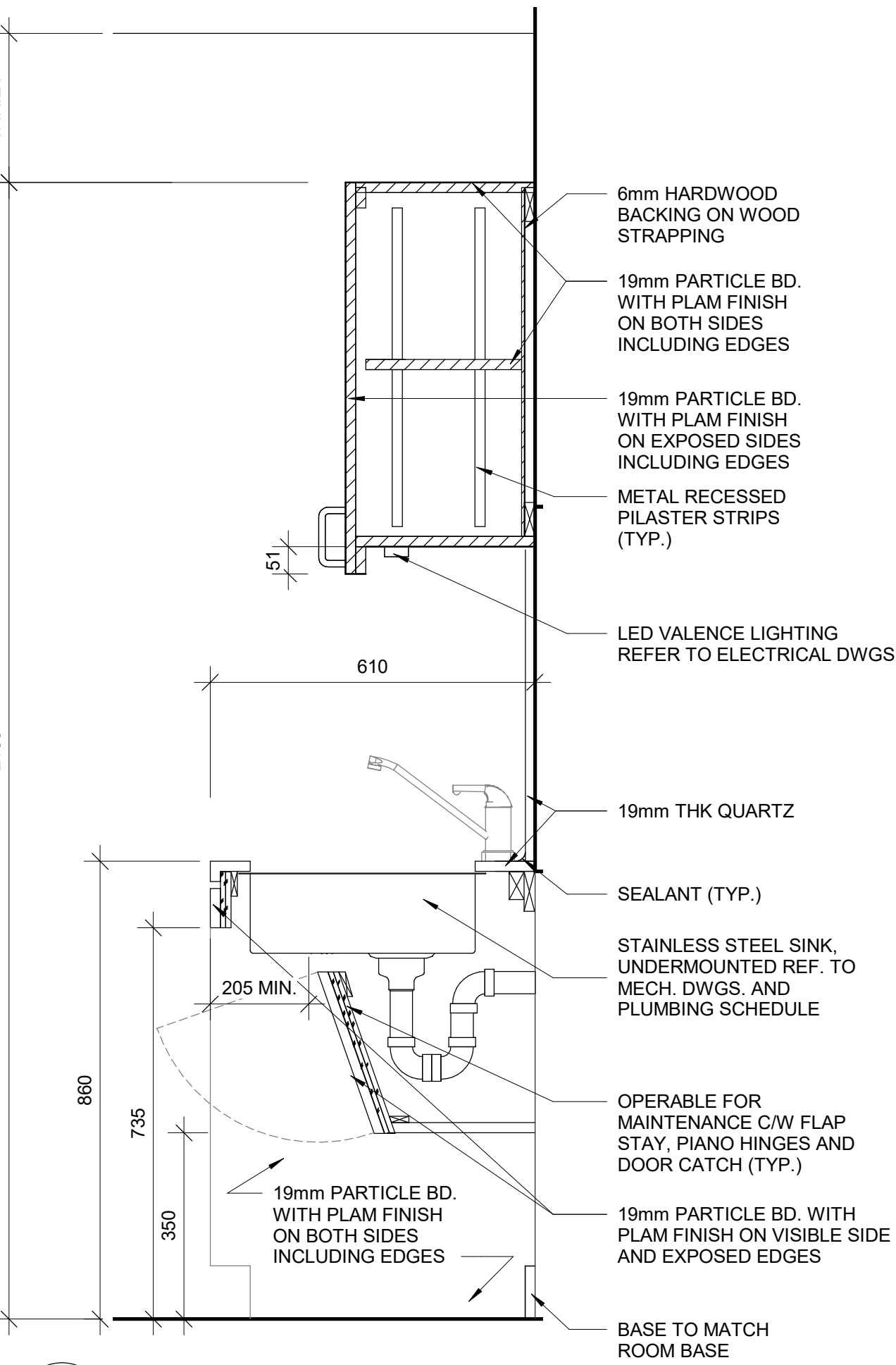
2 BASE CABINETRY WITH DRAWER  
D1302 / Scale: 1 : 10



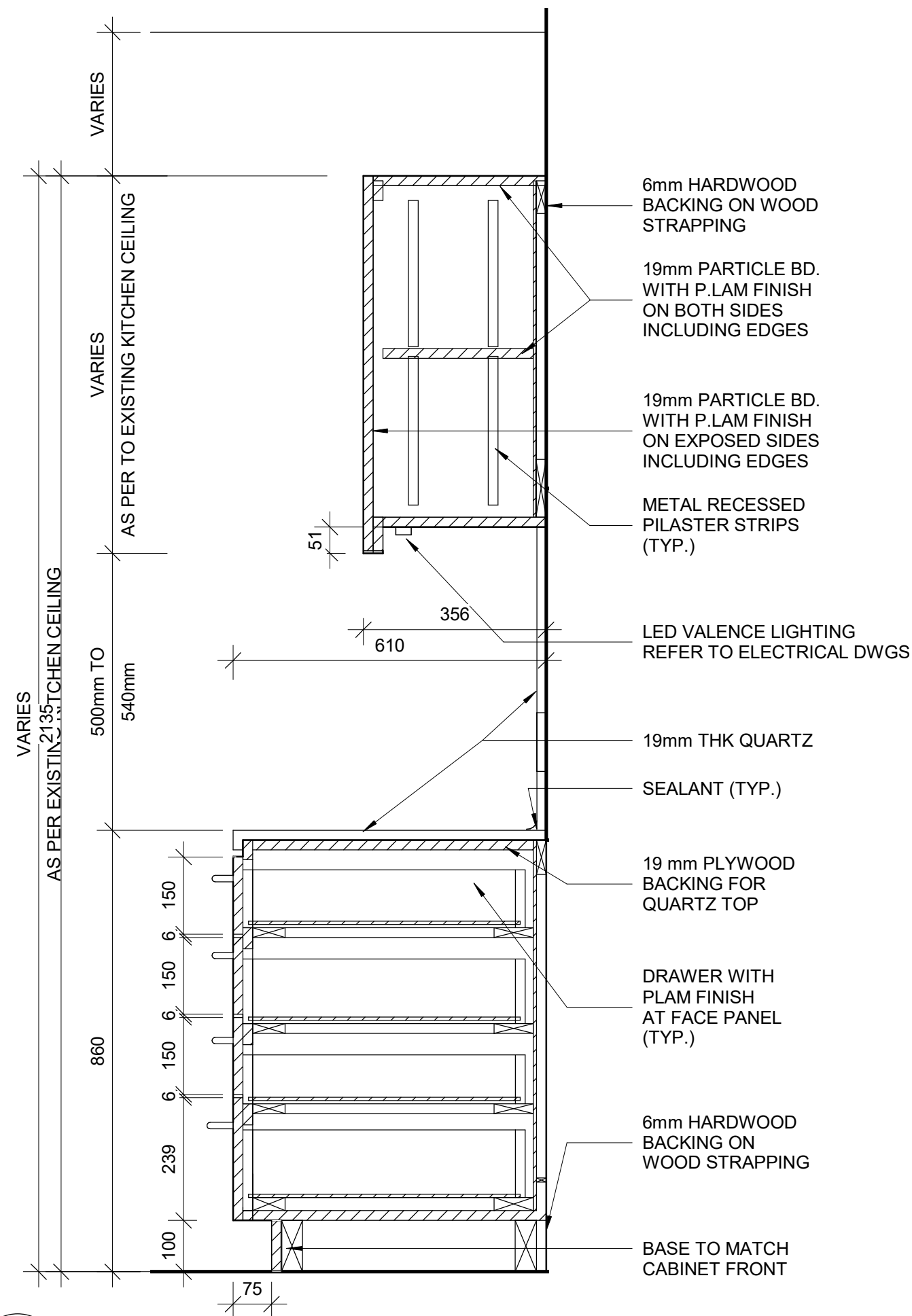
3 BASE CABINETRY WITH GARBAGE BIN  
D1302 / Scale: 1 : 10



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

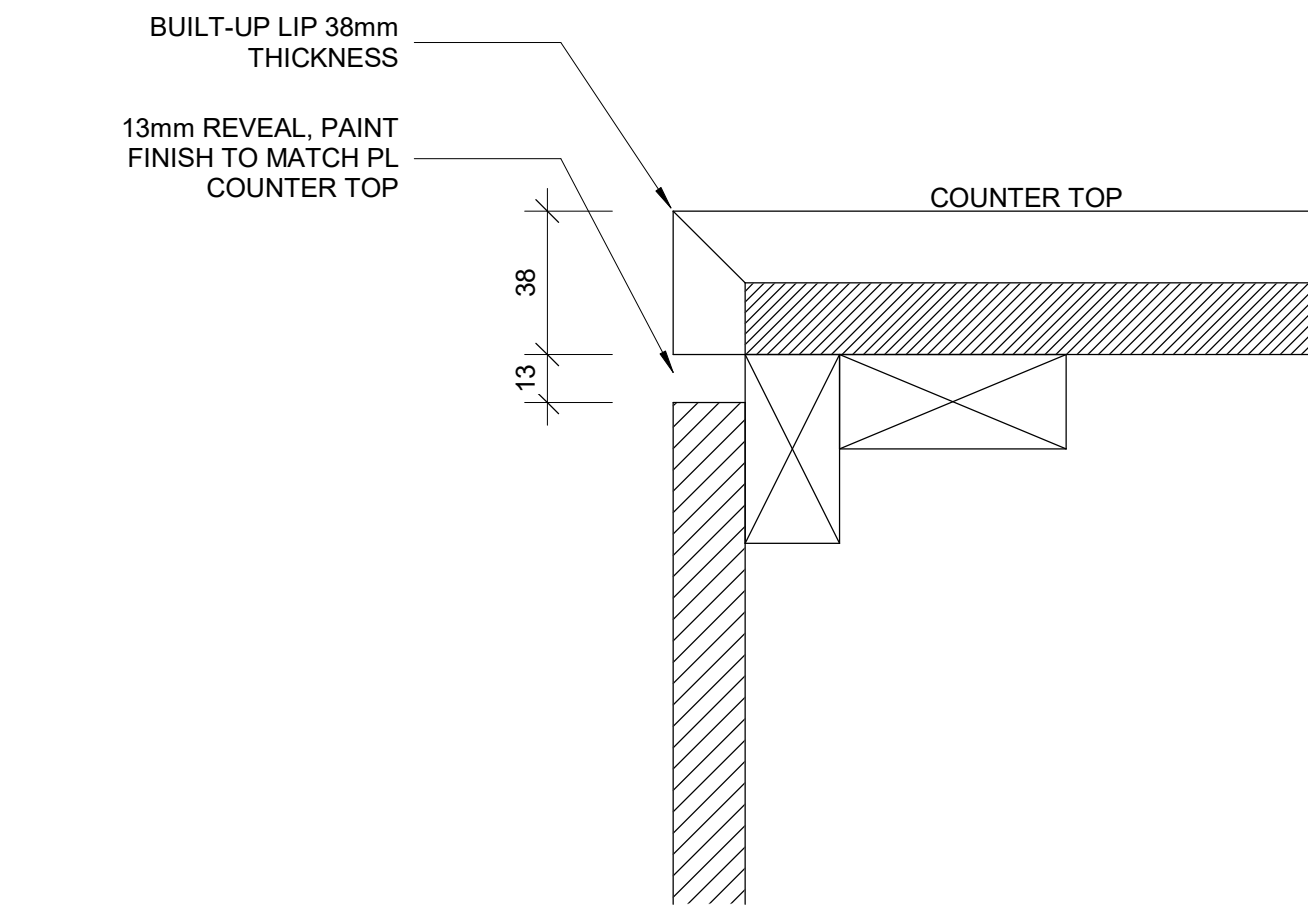


5 BASE CABINETRY WITH SINK  
D1302 / Scale: 1 : 10



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



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

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PROJECT TITLE		
CITY OF TORONTO ACCESSIBILITY UPGRADES		
PROJECT ADDRESS		
PROJECT NO: 9119- 19- 0162 / 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

A

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PROJECT ADDRESS

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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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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

RECEPTION DESK WITH  
TEMPERED GLASS  
DETAIL SECTIONS

SHEET NUMBER

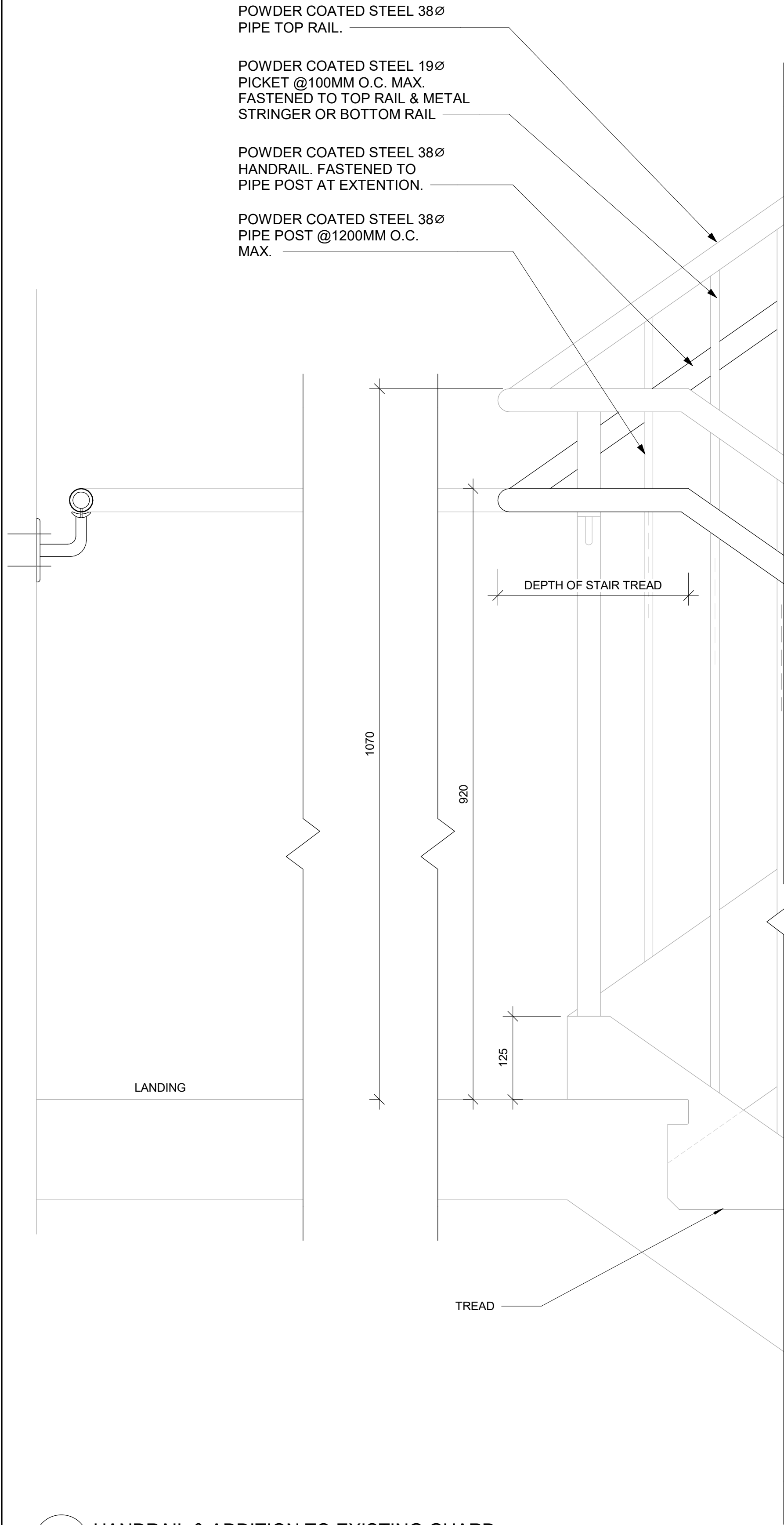
D1306

ISSUE

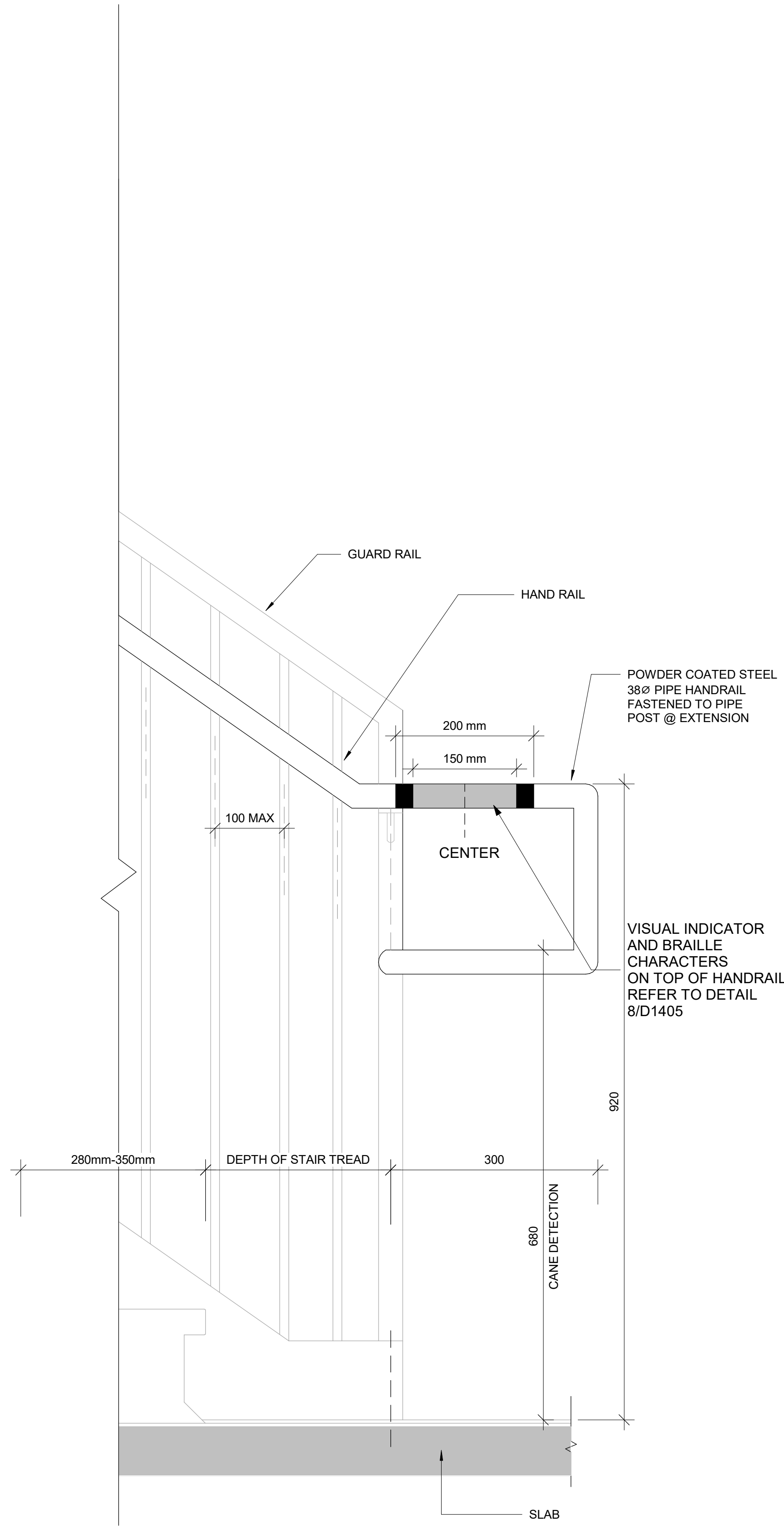
A

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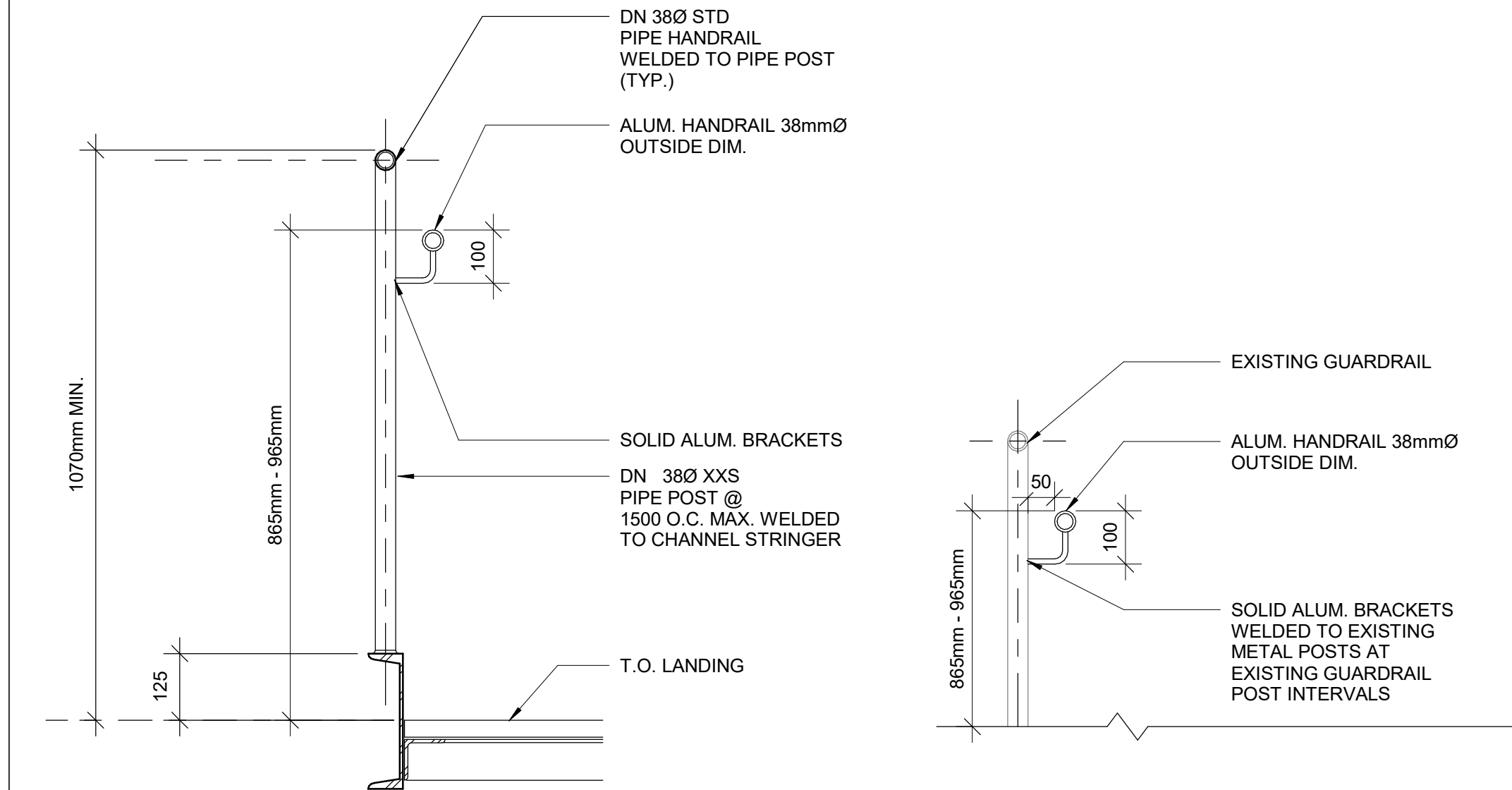
SCALE CHECK  
1 in  
10mm



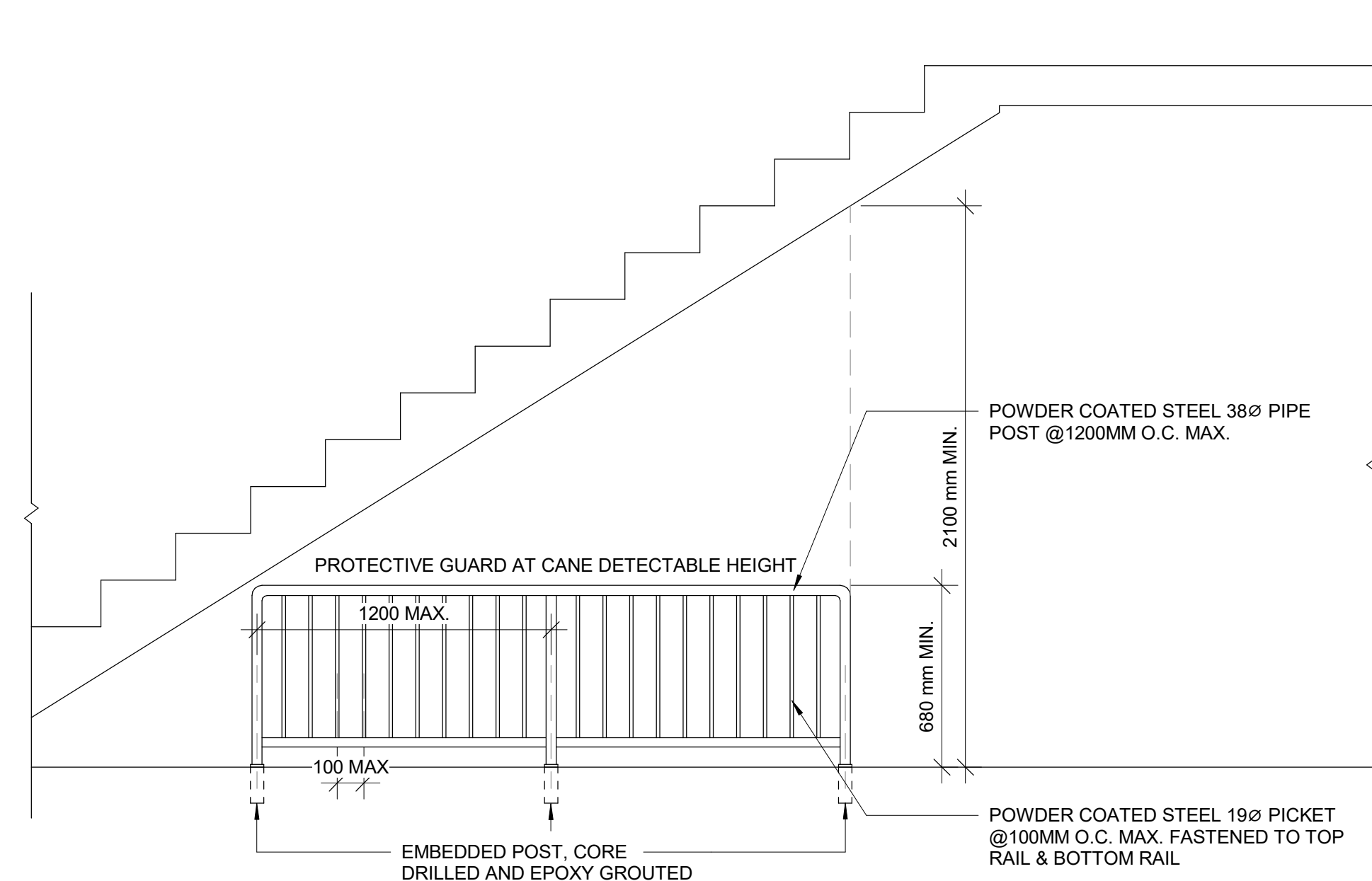
3 HANDRAIL & ADDITION TO EXISTING GUARD  
D1401 Scale: 1 : 5



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

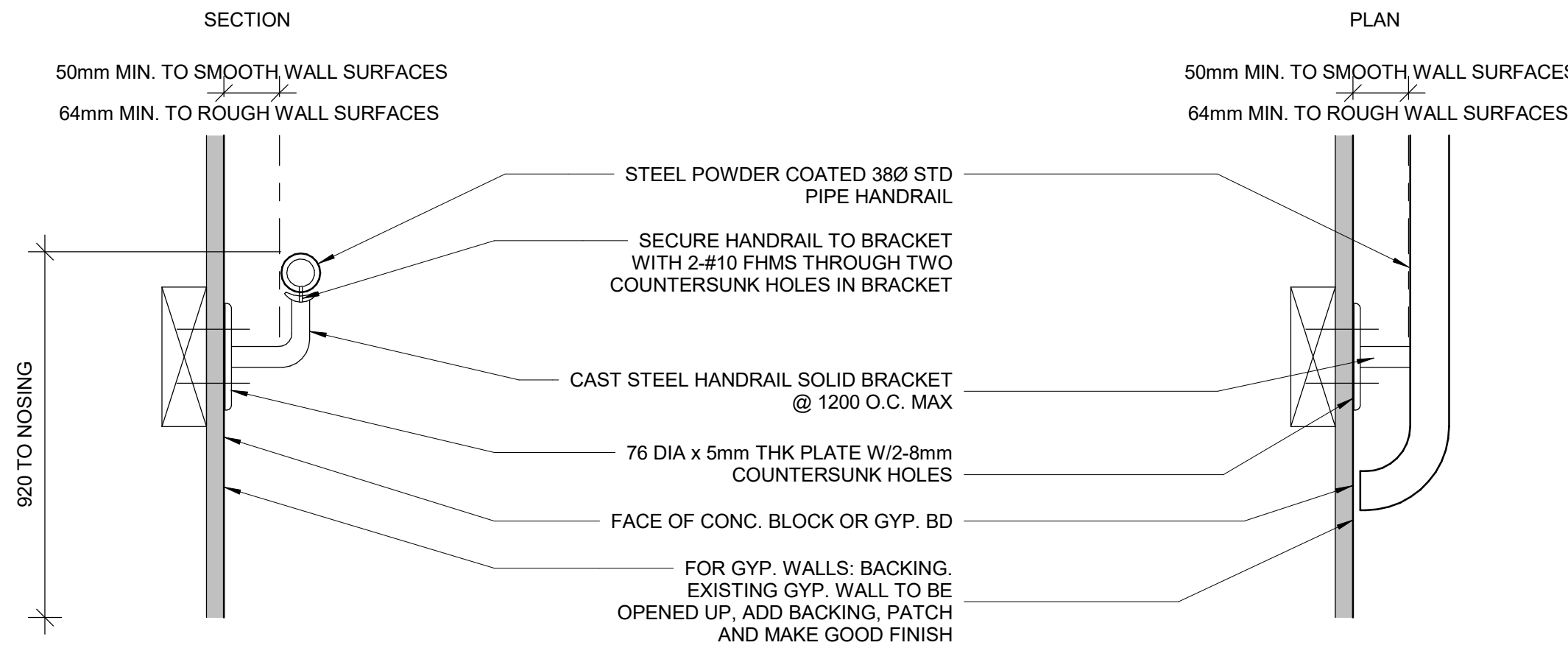


5 EXISTING GUARDRAIL RETROFIT DETAIL  
D1401 Scale: 1 : 10



4 PROTECTION GUARD UNDER STAIRS  
D1401 Scale: 1 : 20

- 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

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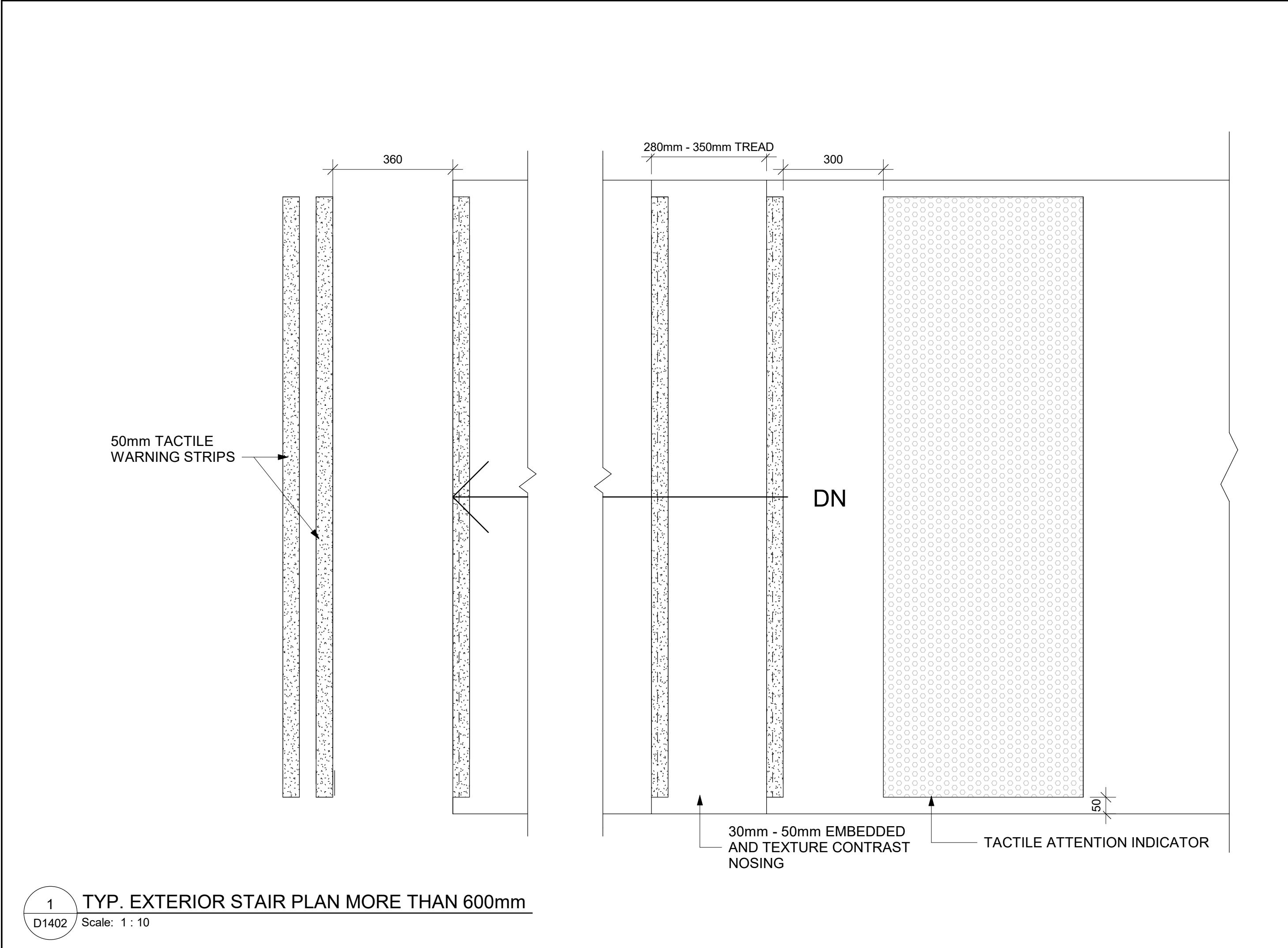
PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

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

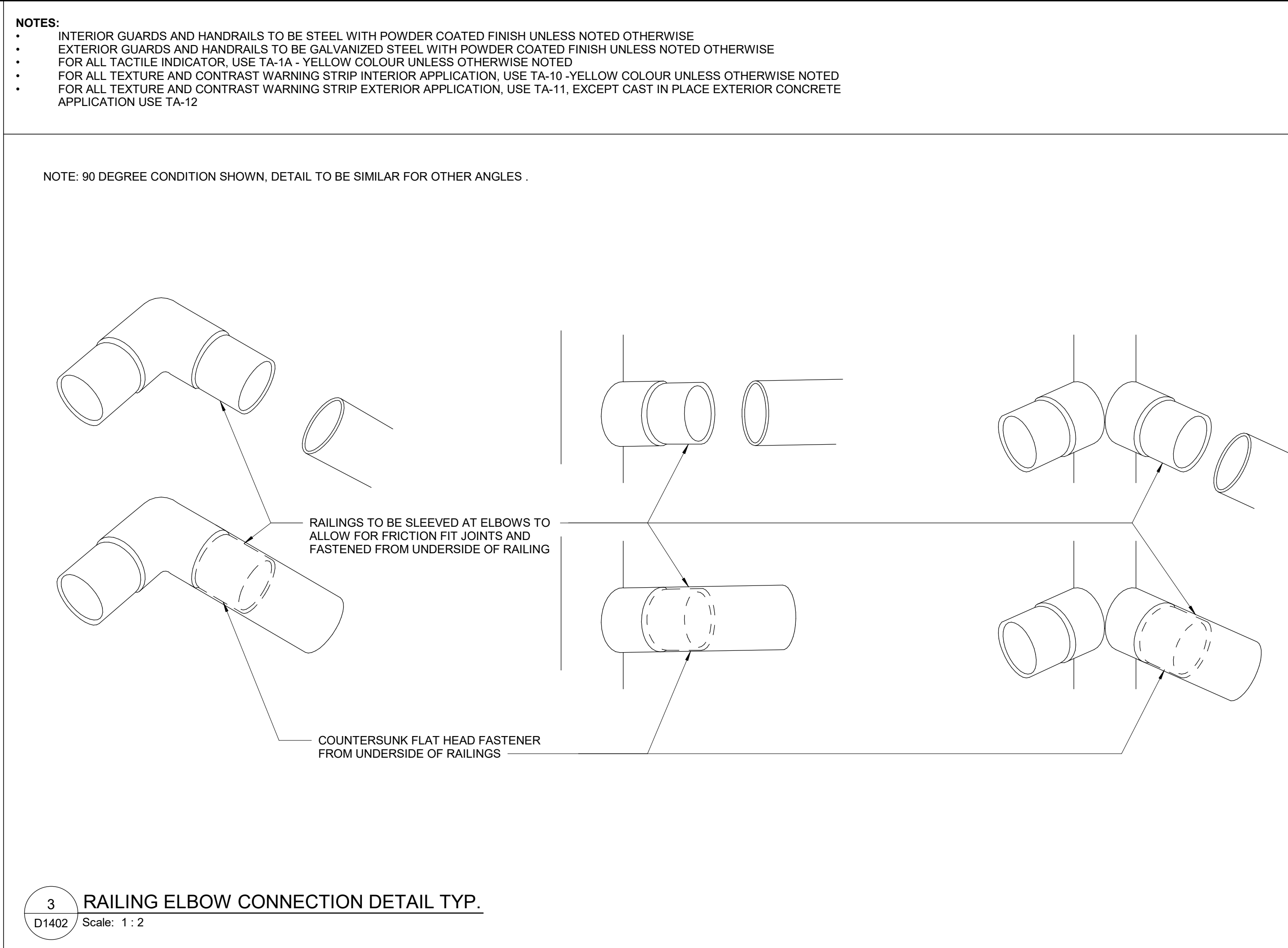
SHEET TITLE  
**STAIR DETAILS - 01**

SHEET NUMBER  
**D1401**  
ISSUE  
**A**



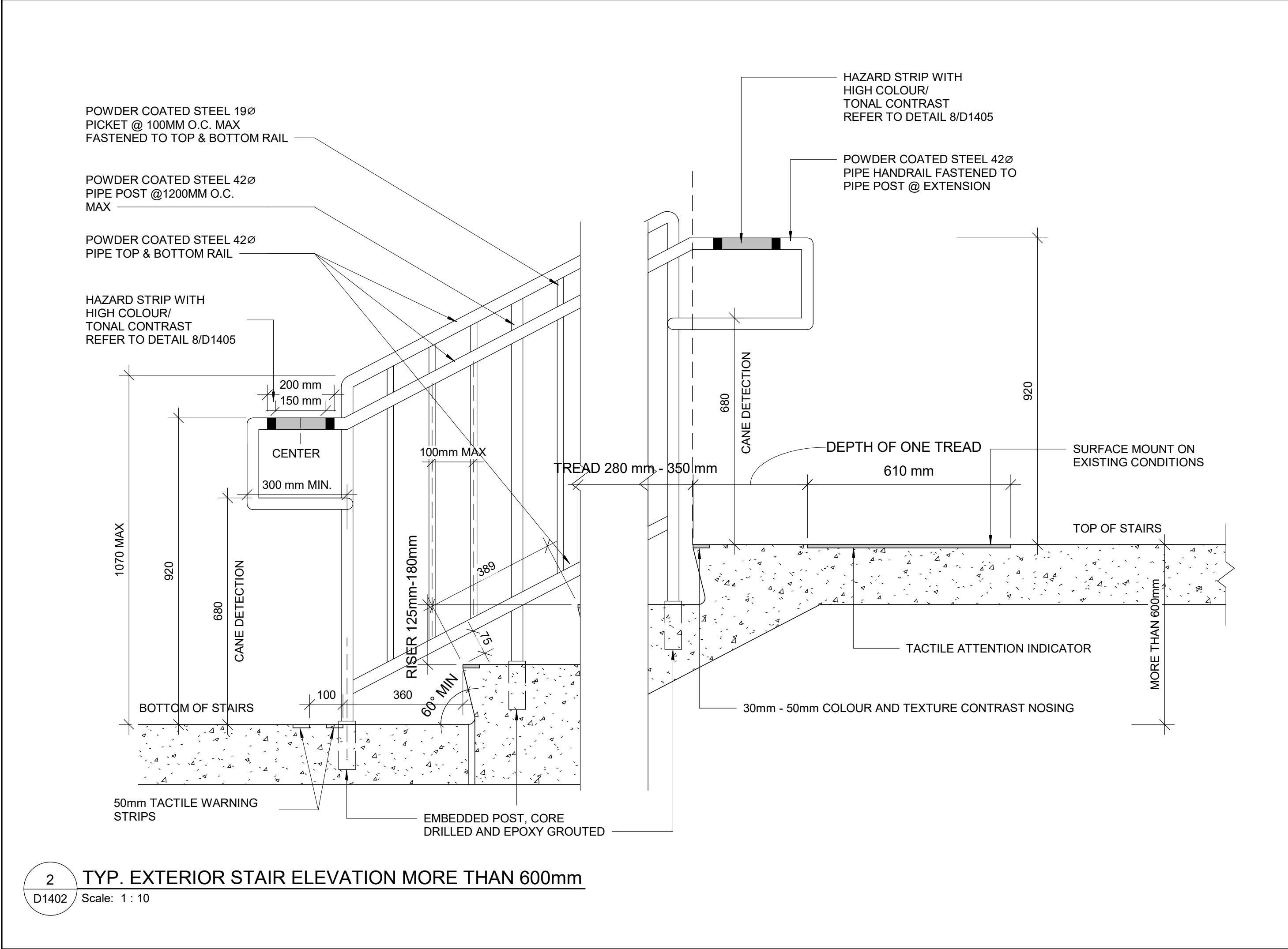
1 TYP. EXTERIOR STAIR PLAN MORE THAN 600mm

D1402 Scale: 1 : 10



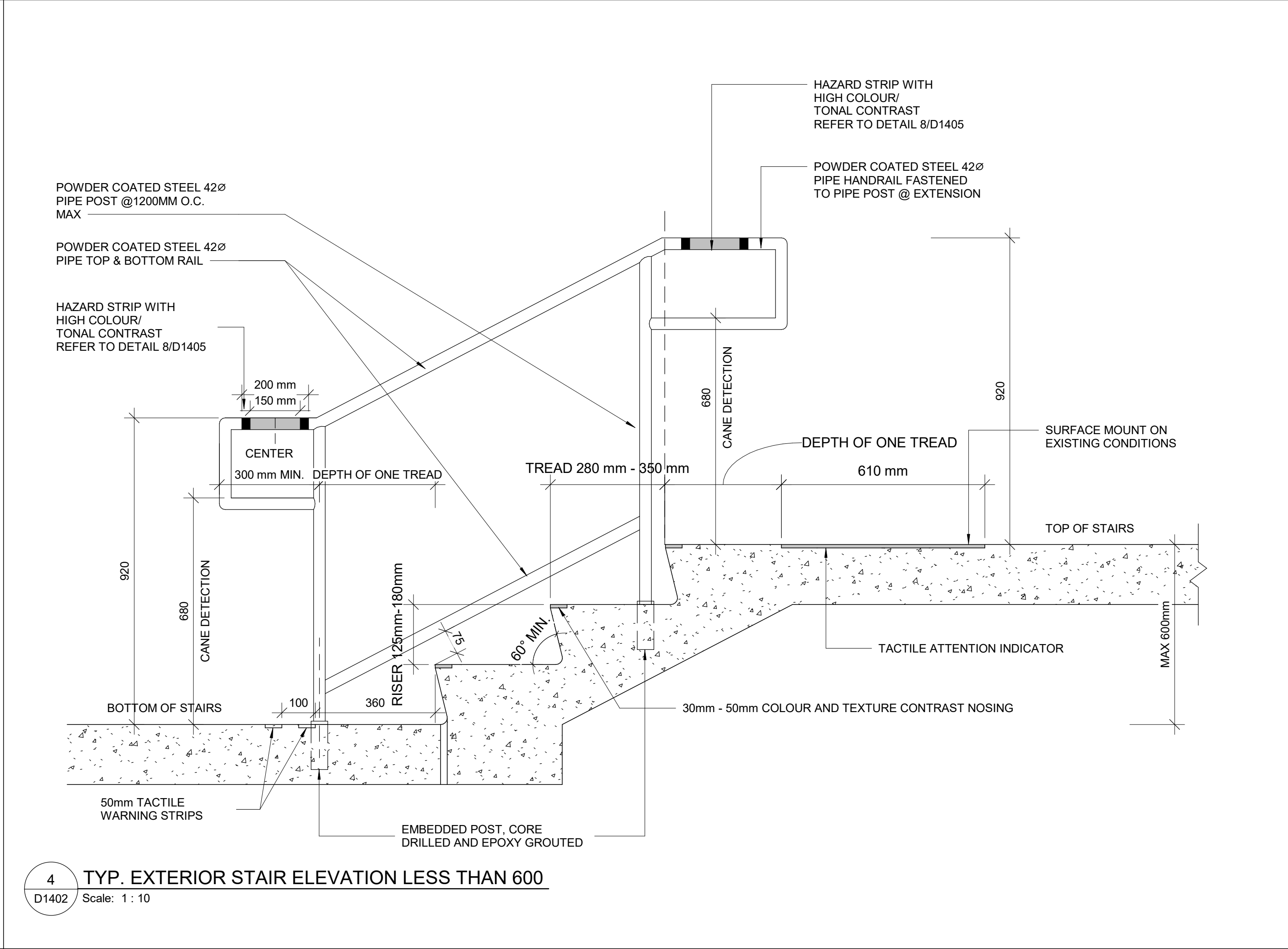
3 RAILING ELBOW CONNECTION DETAIL TYP.

D1402 Scale: 1 : 2



2 TYP. EXTERIOR STAIR ELEVATION MORE THAN 600mm

D1402 Scale: 1 : 10




4 TYP. EXTERIOR STAIR ELEVATION LESS THAN 600

D1402 Scale: 1 : 10

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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

STAIR DETAILS - 02

SHEET NUMBER

D1402

ISSUE

A

- 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

CLIENT

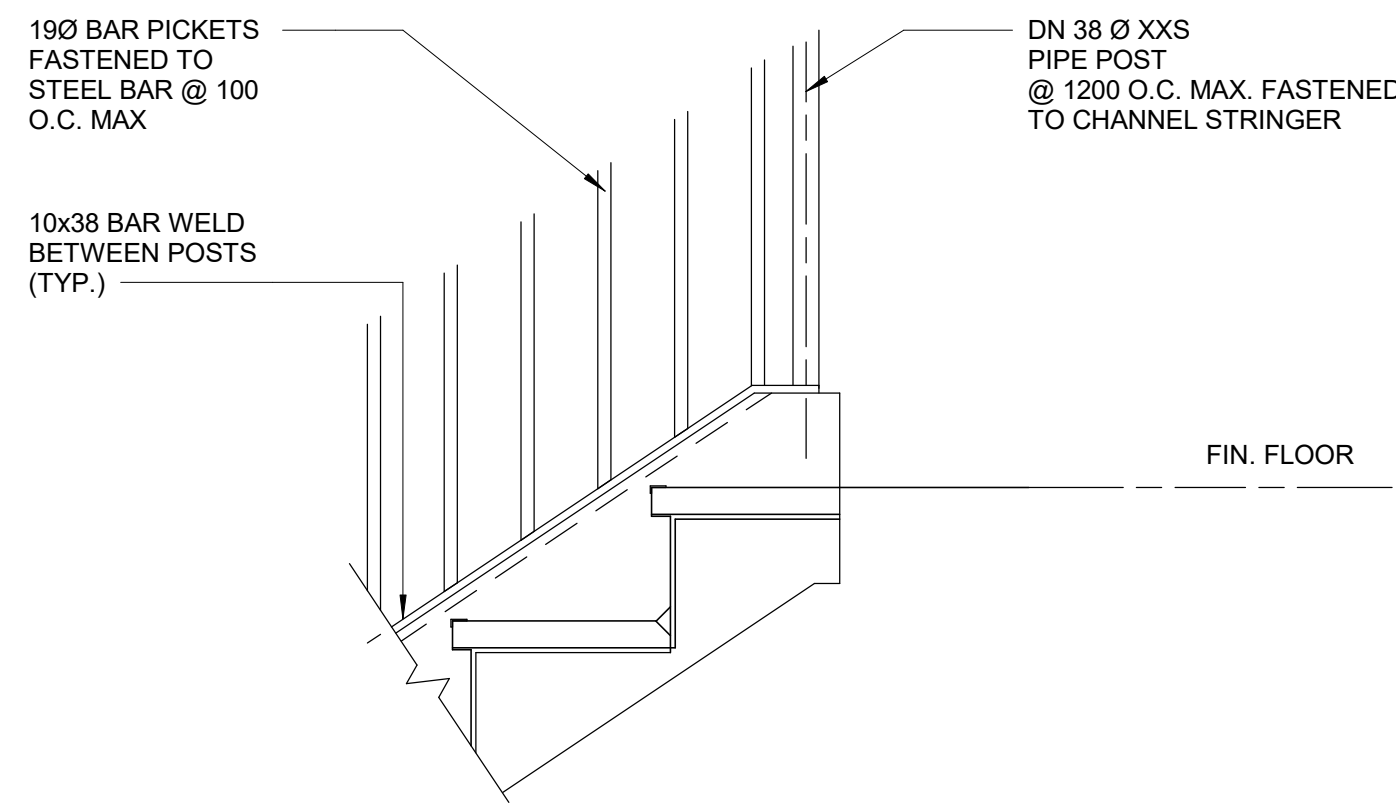
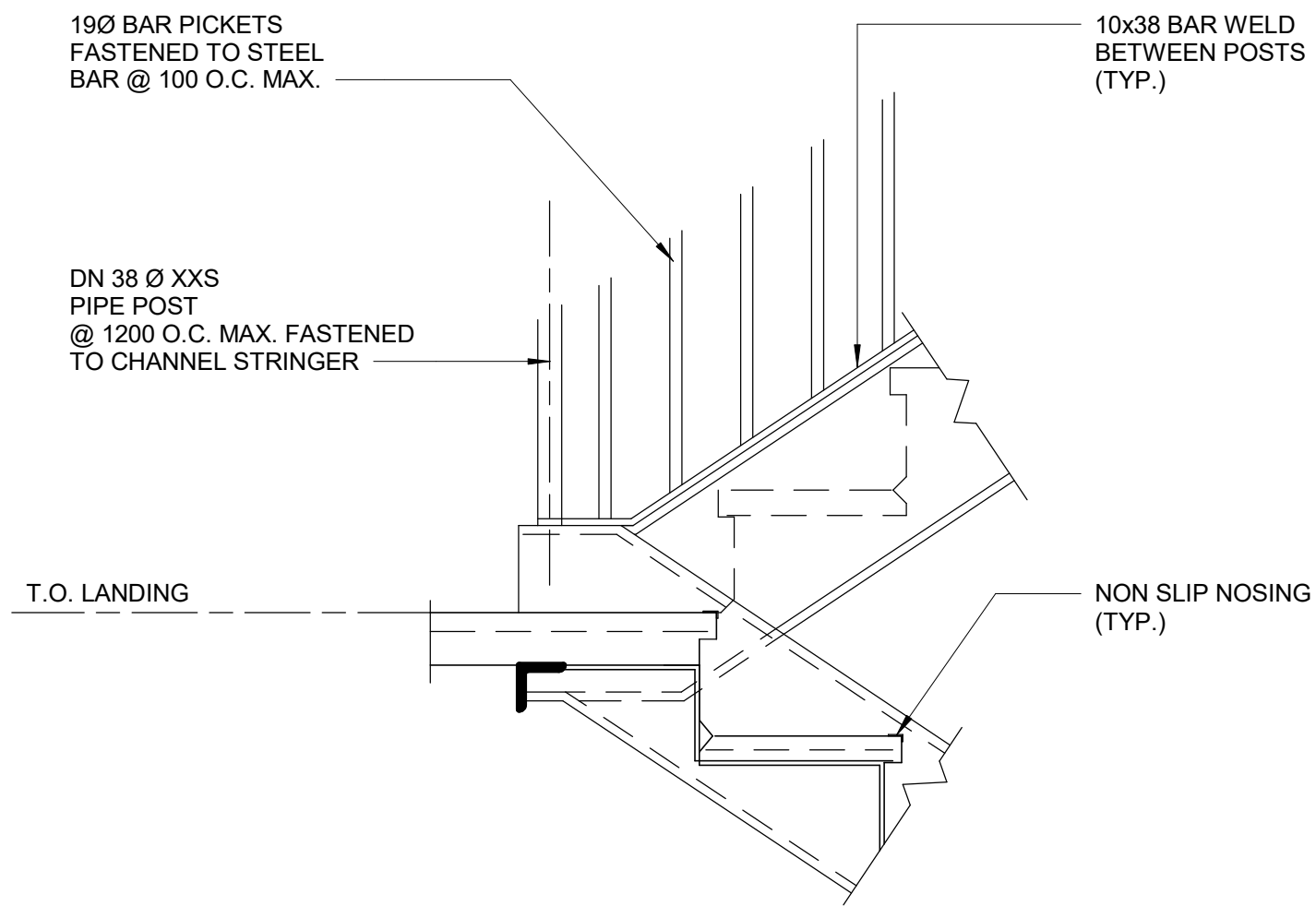
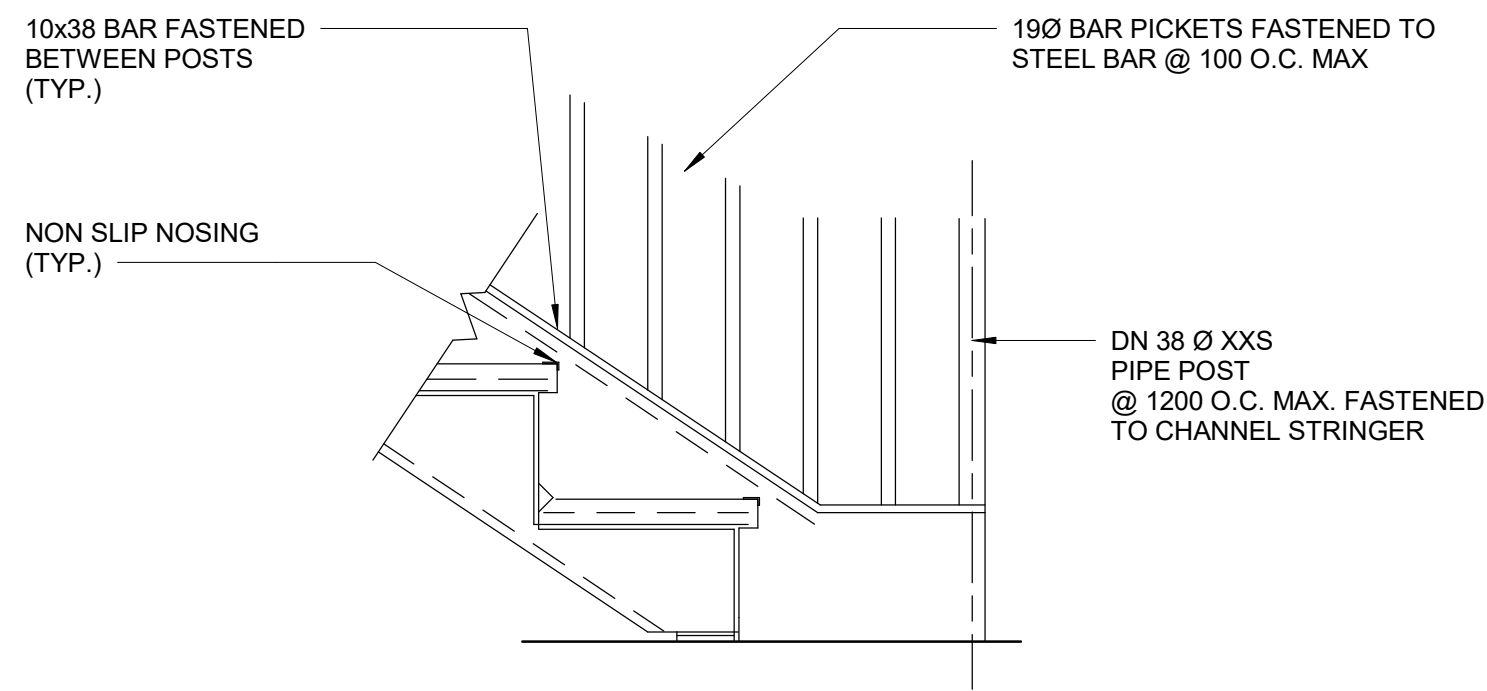
**CITY OF TORONTO**

  
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Project Management Office  
Metro Hall Toronto, ON  
MSV 3C6

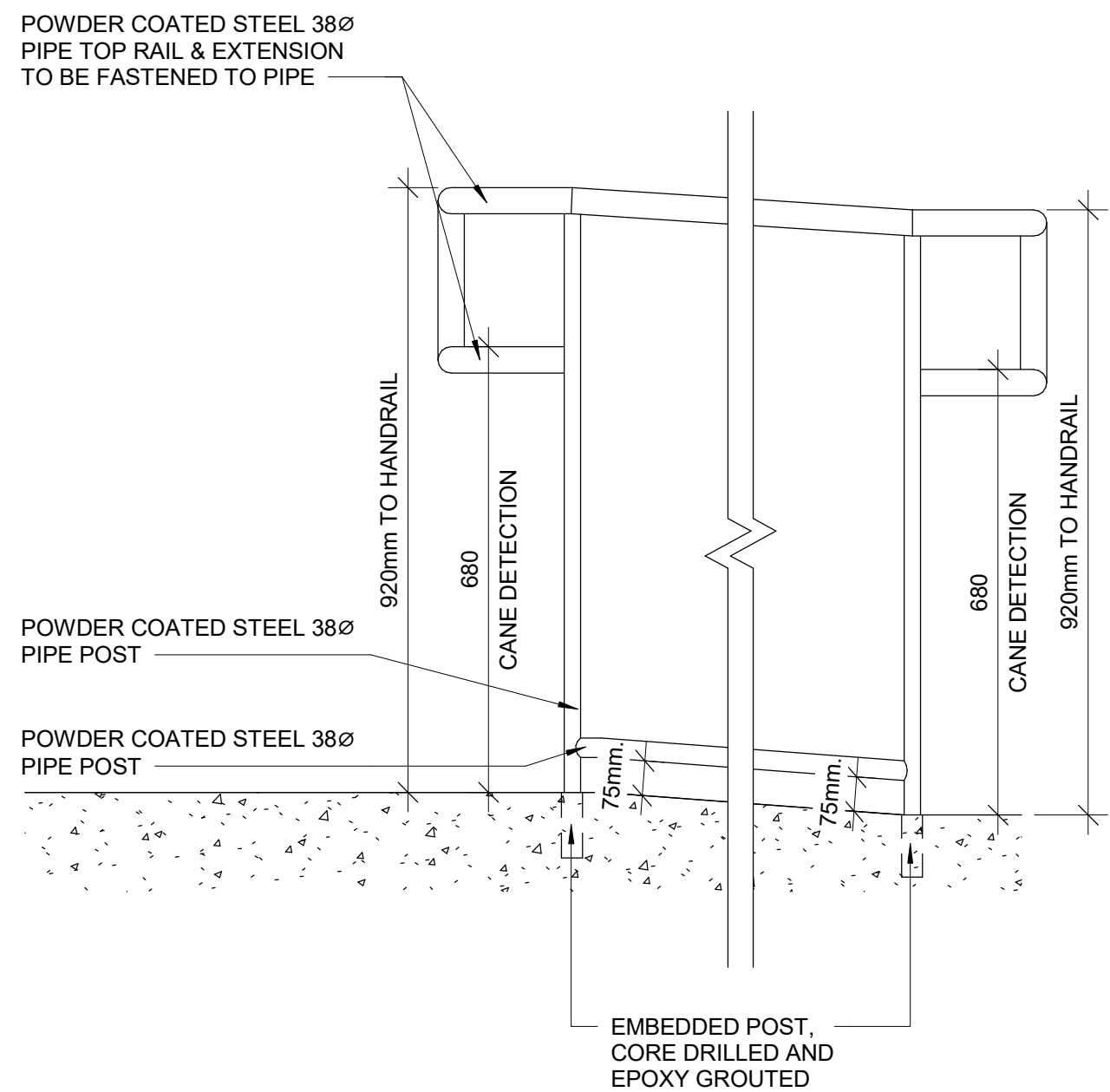
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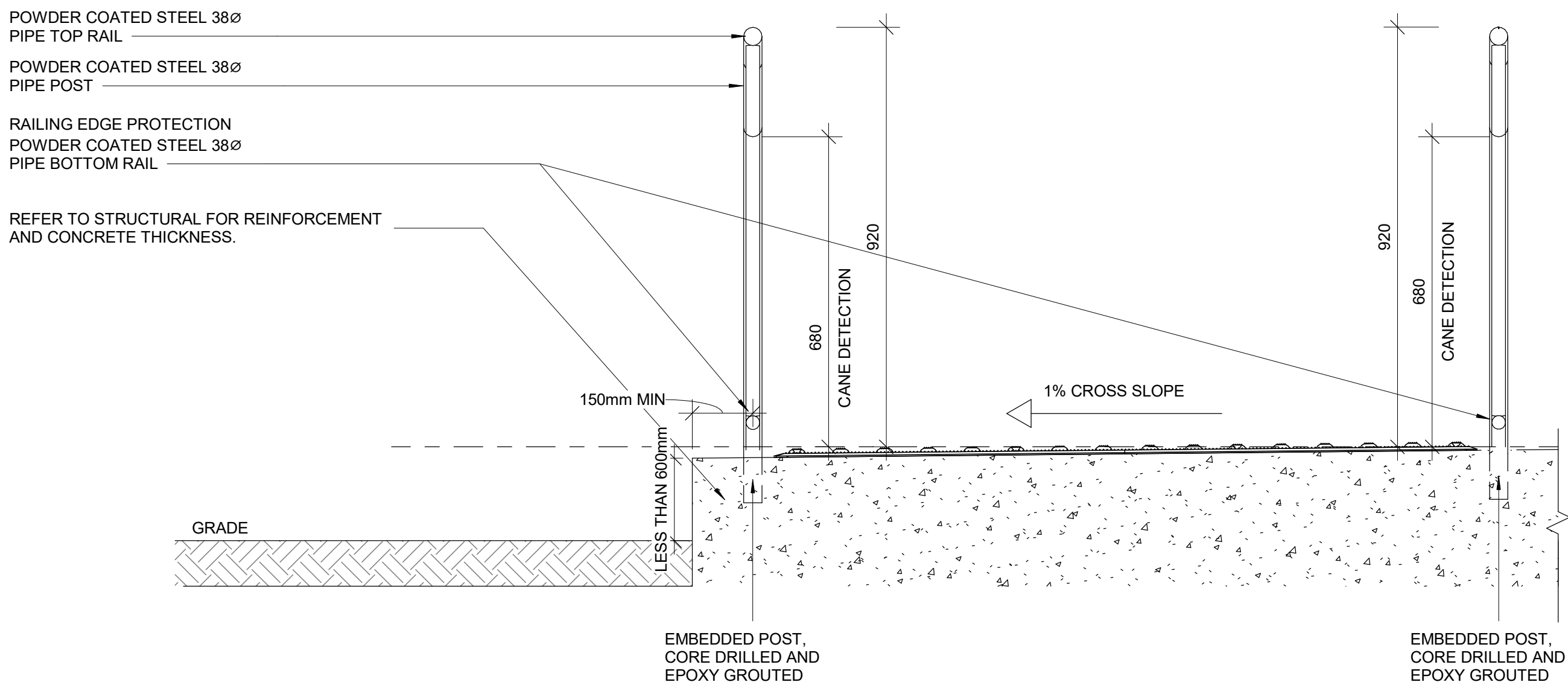
ISSUES		
No.	DESCRIPTION	DATE
A	ISSUED FOR TENDER	2025-04-11



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



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



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

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PROJECT TITLE  
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PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

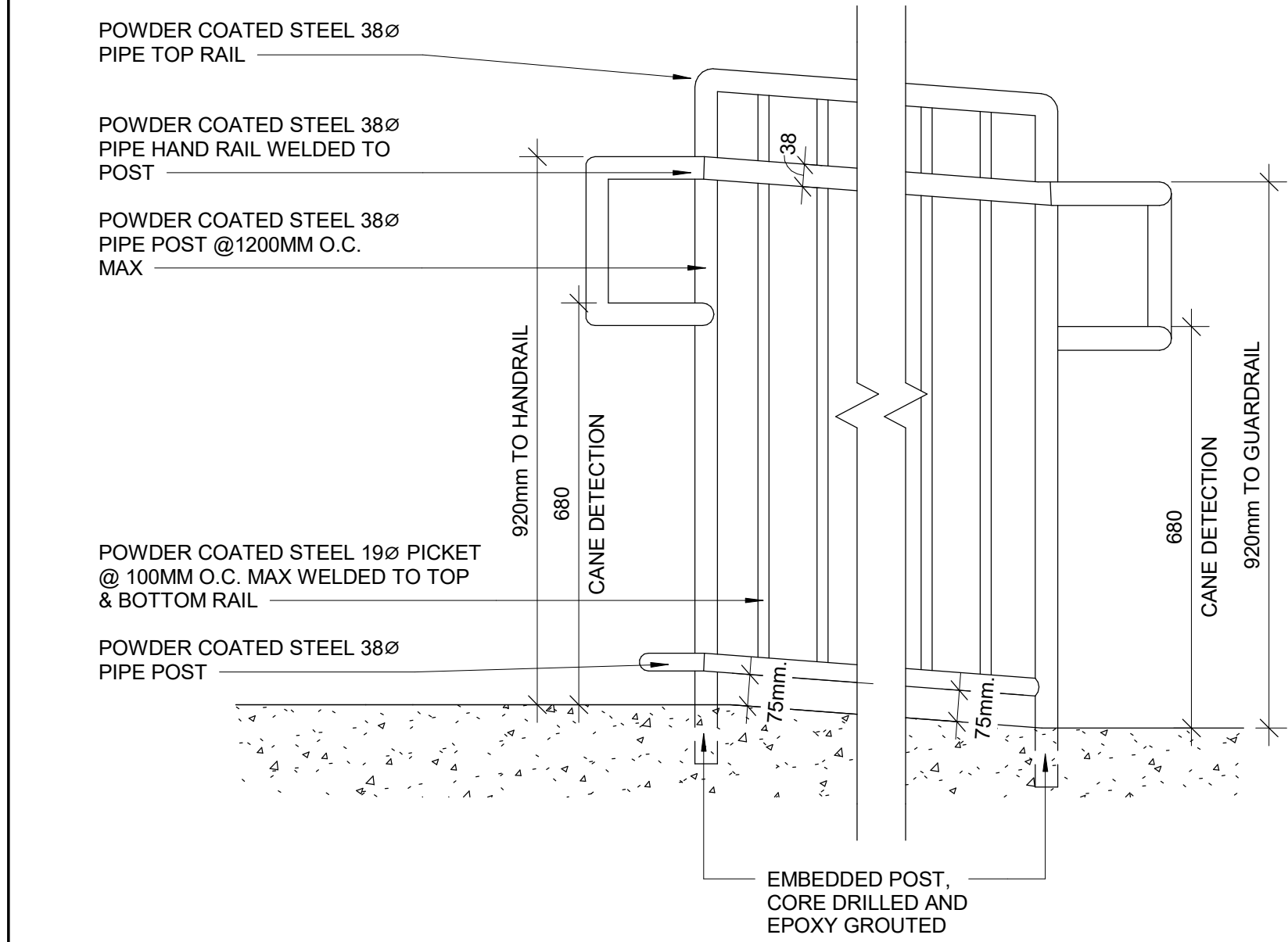
DRAWN BY: <b>A. BOYNARIAN</b>	CHECKED BY: <b>K. TILAHUN</b>
PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>E. FENUTA</b>

SHEET TITLE  
**RAMP DETAILS - 01**

SHEET NUMBER  
**D1403**

ISSUE  
**A**

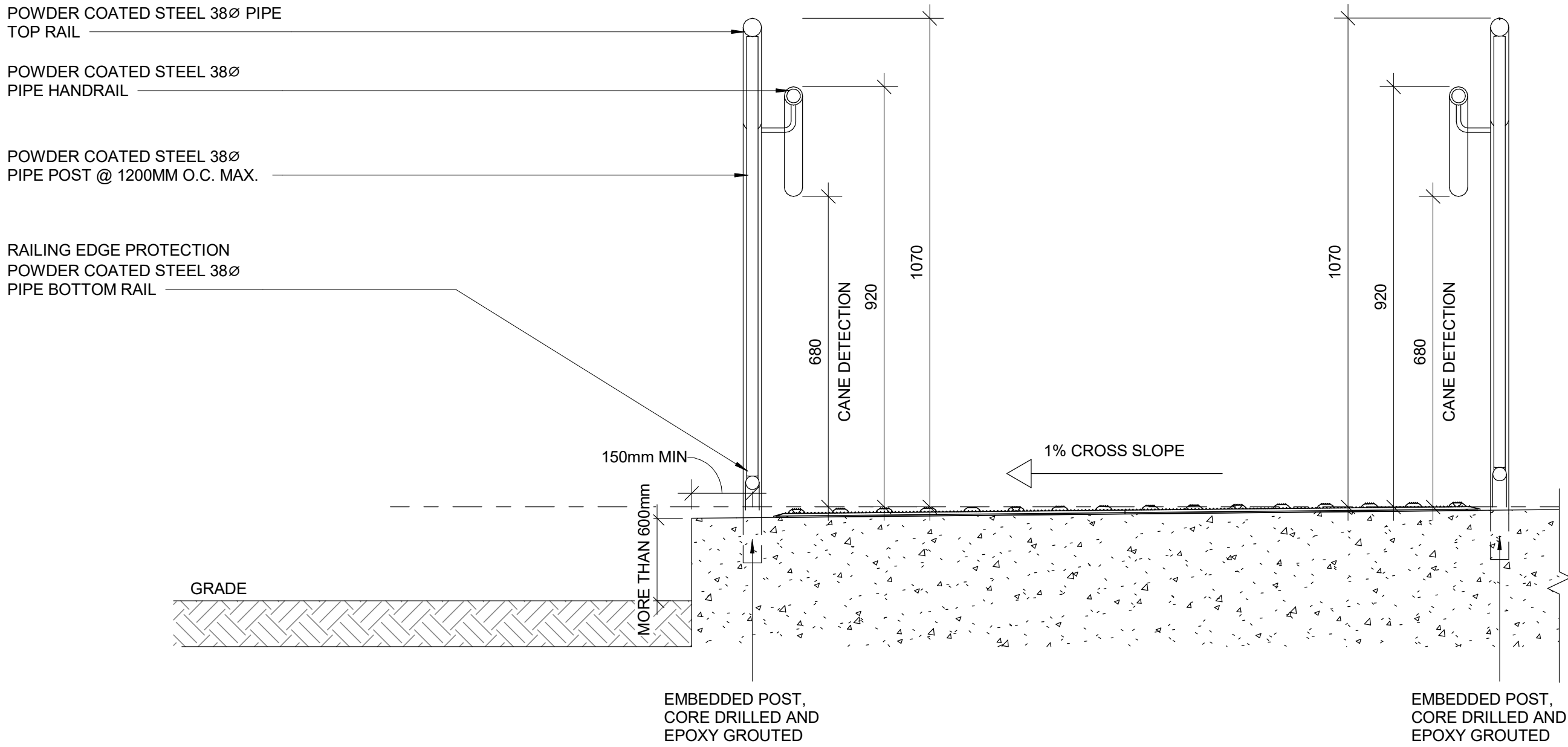
- NOTES:
- INTERIOR GUARDS AND HANDRAILS TO BE STEEL WITH POWDER COATED FINISH UNLESS NOTED OTHERWISE
  - EXTERIOR GUARDS AND HANDRAILS TO BE GALVANIZED STEEL WITH POWDER COATED FINISH UNLESS NOTED OTHERWISE
  - FOR ALL TACTILE INDICATOR, USE TA-1A - YELLOW COLOUR UNLESS OTHERWISE NOTED
  - FOR ALL TEXTURE AND CONTRAST WARNING STRIP INTERIOR APPLICATION, USE TA-10 -YELLOW COLOUR UNLESS OTHERWISE NOTED
  - FOR ALL TEXTURE AND CONTRAST WARNING STRIP EXTERIOR APPLICATION, USE TA-11, EXCEPT CAST IN PLACE EXTERIOR CONCRETE APPLICATION USE TA-12



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

2025-04-11 10:38:53 AM

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



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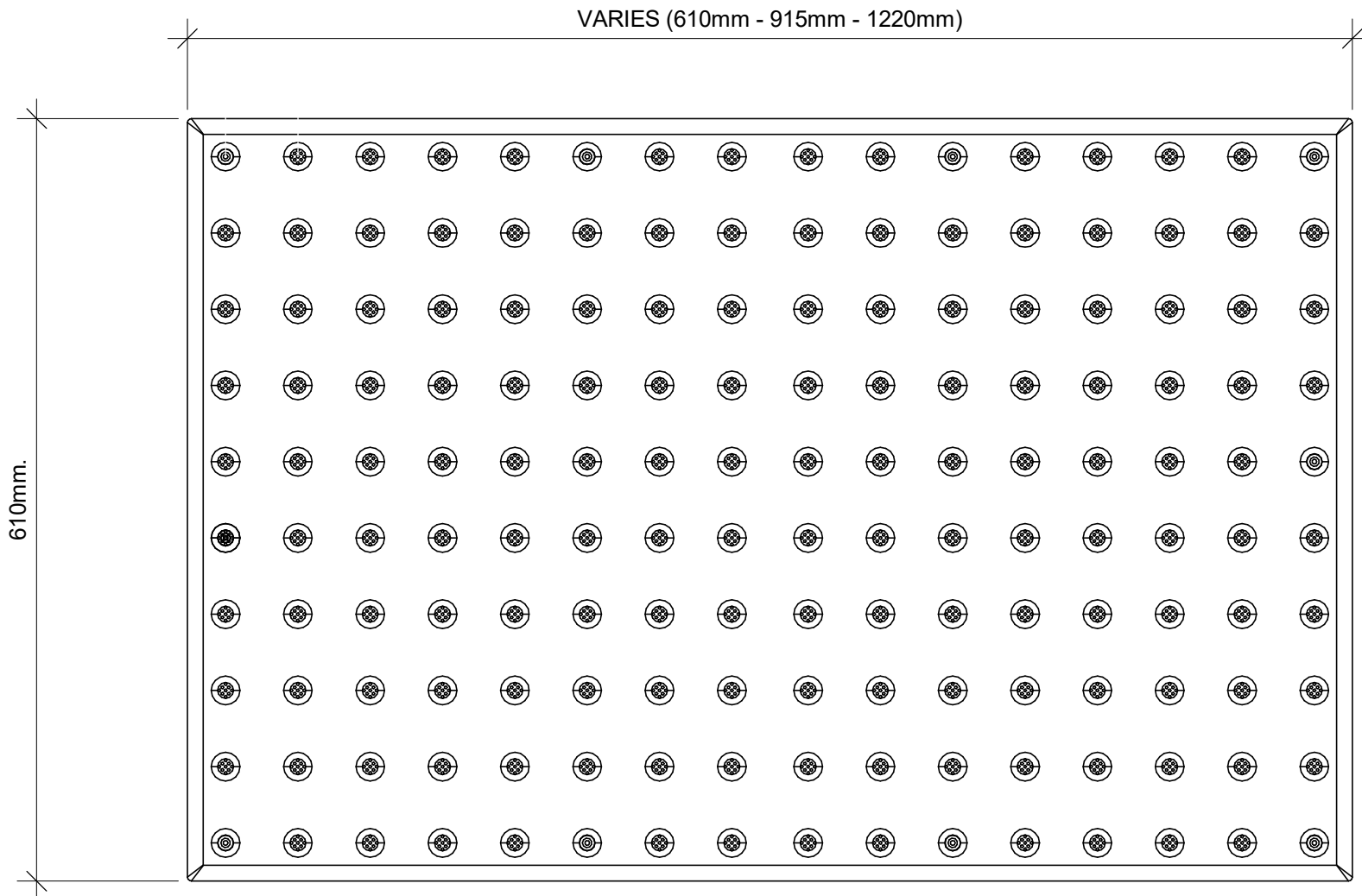
PROJECT NO: 9119- 19- 0162 / Arcadis 30279056	
DRAWN BY: <b>A. BOYNARIAN</b>	CHECKED BY: <b>K. TILAHUN</b>
PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>E. FENUTA</b>

SHEET TITLE  
**RAMP DETAILS - 02**

SHEET NUMBER <b>D1404</b>	ISSUE <b>A</b>
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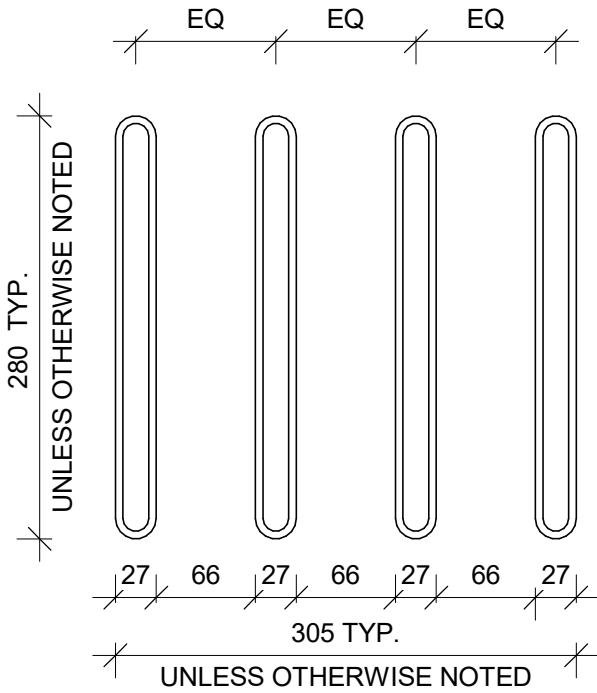
10mm  
SCALE CHECK  
1 in

TA - 1a  
EXTERIOR AND INTERIOR APPLICATION



1 TACTILE ATTENTION INDICATOR  
D1405 / Scale: 1 : 5

TA-8  
INTERIOR APPLICATION

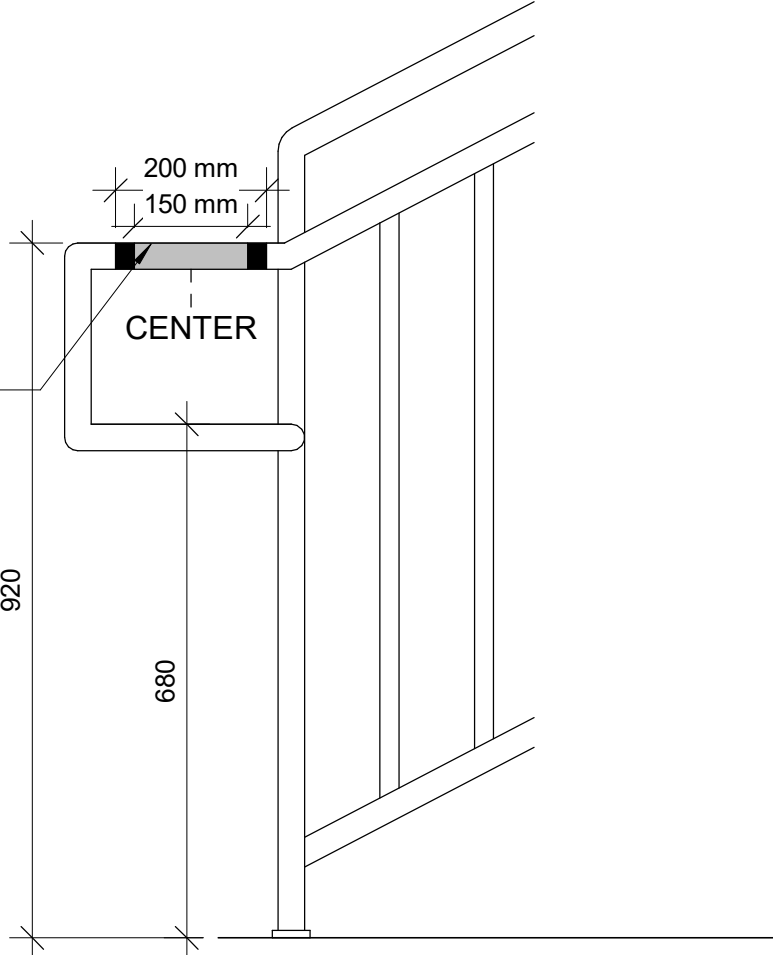


2 GUIDANCE BARS PLAN  
D1405 / Scale: 1 : 5

RESERVED

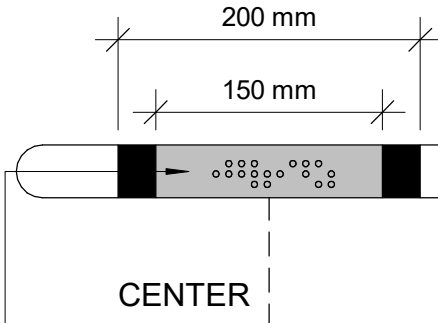
150mm LONG YELLOW COLOUR  
WAYFINDING SIGN WITH BRAILLE AND  
25mm WIDE RED COLOUR ON EITHER  
SIDE OF THE SIGN

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



8 HANDRAIL WARNING STRIP  
D1405 / Scale: 1 : 10

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



BRAILLE INDICATES FLOOR  
LEVEL AND NUMBER ON TOP  
OF RAILING.

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

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DRAWN BY:  
**A. BOYNARIAN**

CHECKED BY:  
**K. TILAHUN**

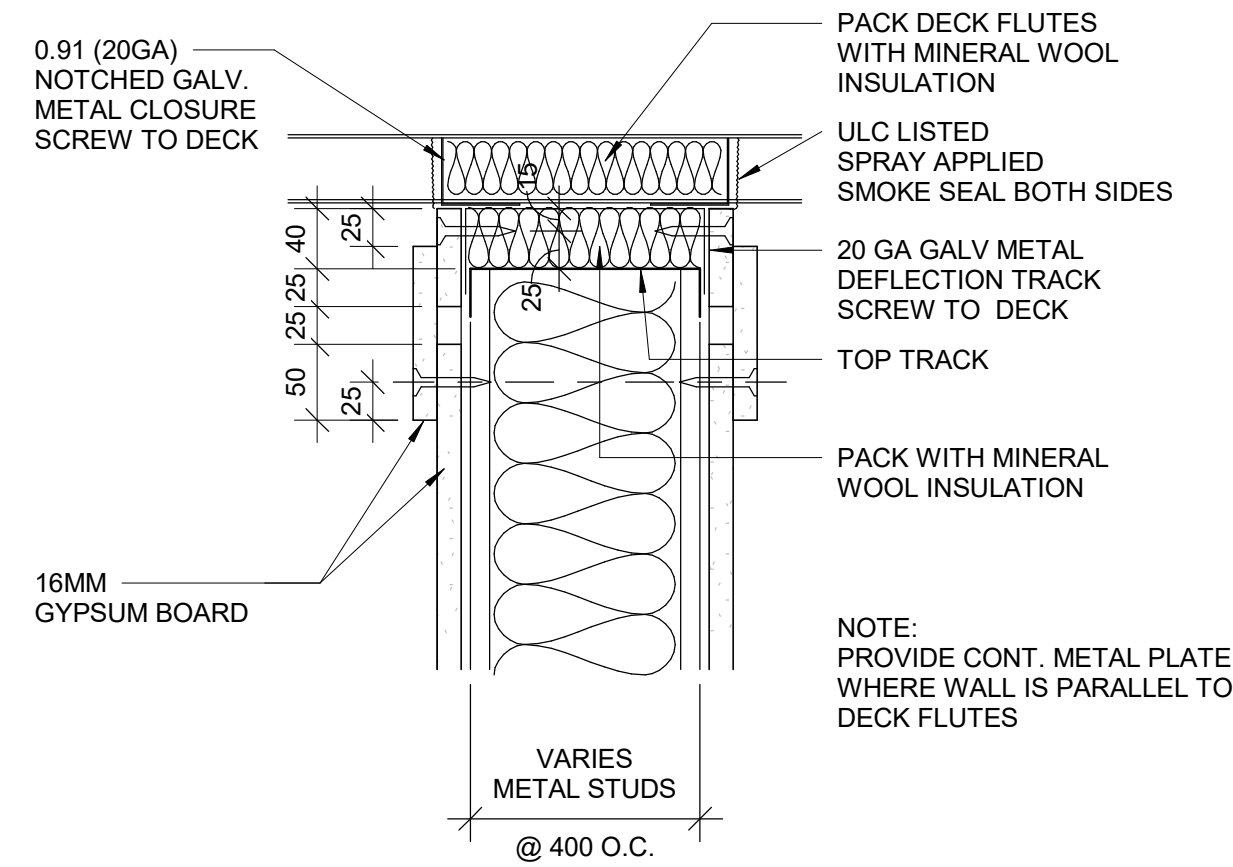
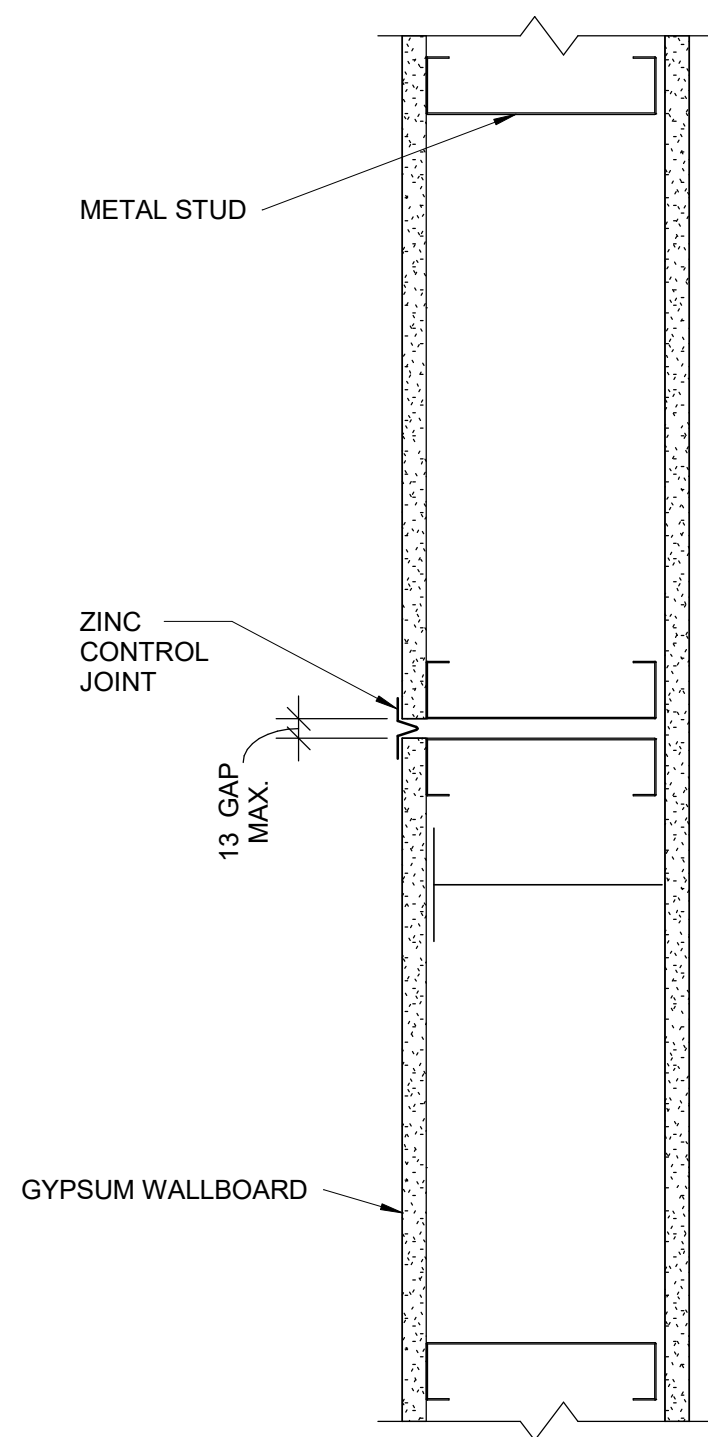
PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**E. FENUTA**

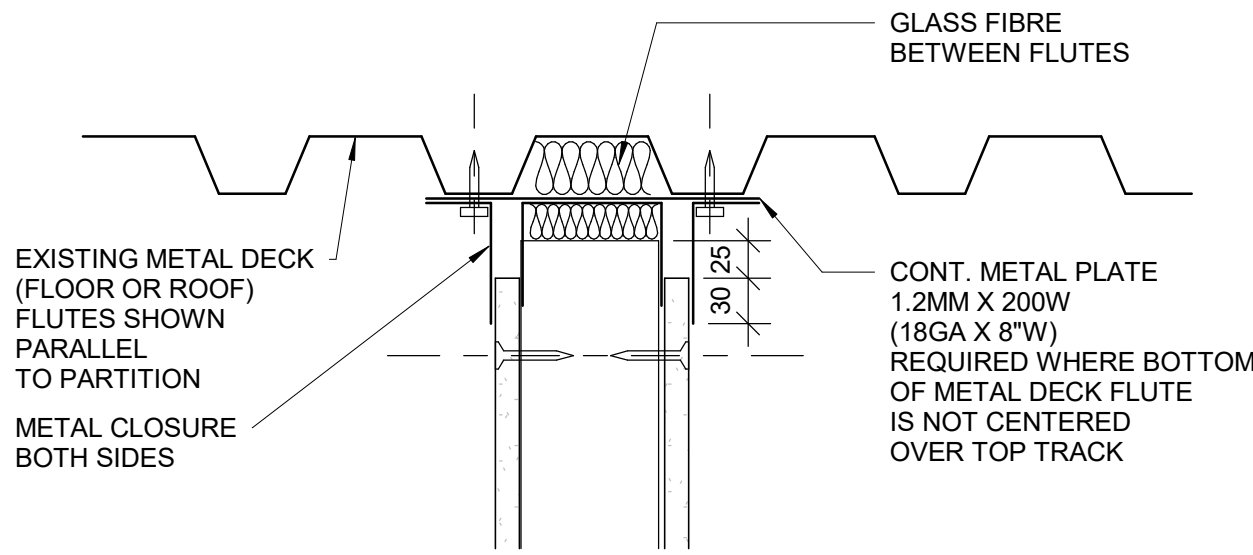
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**TACTILE DETAILS**

SHEET NUMBER  
**D1405**

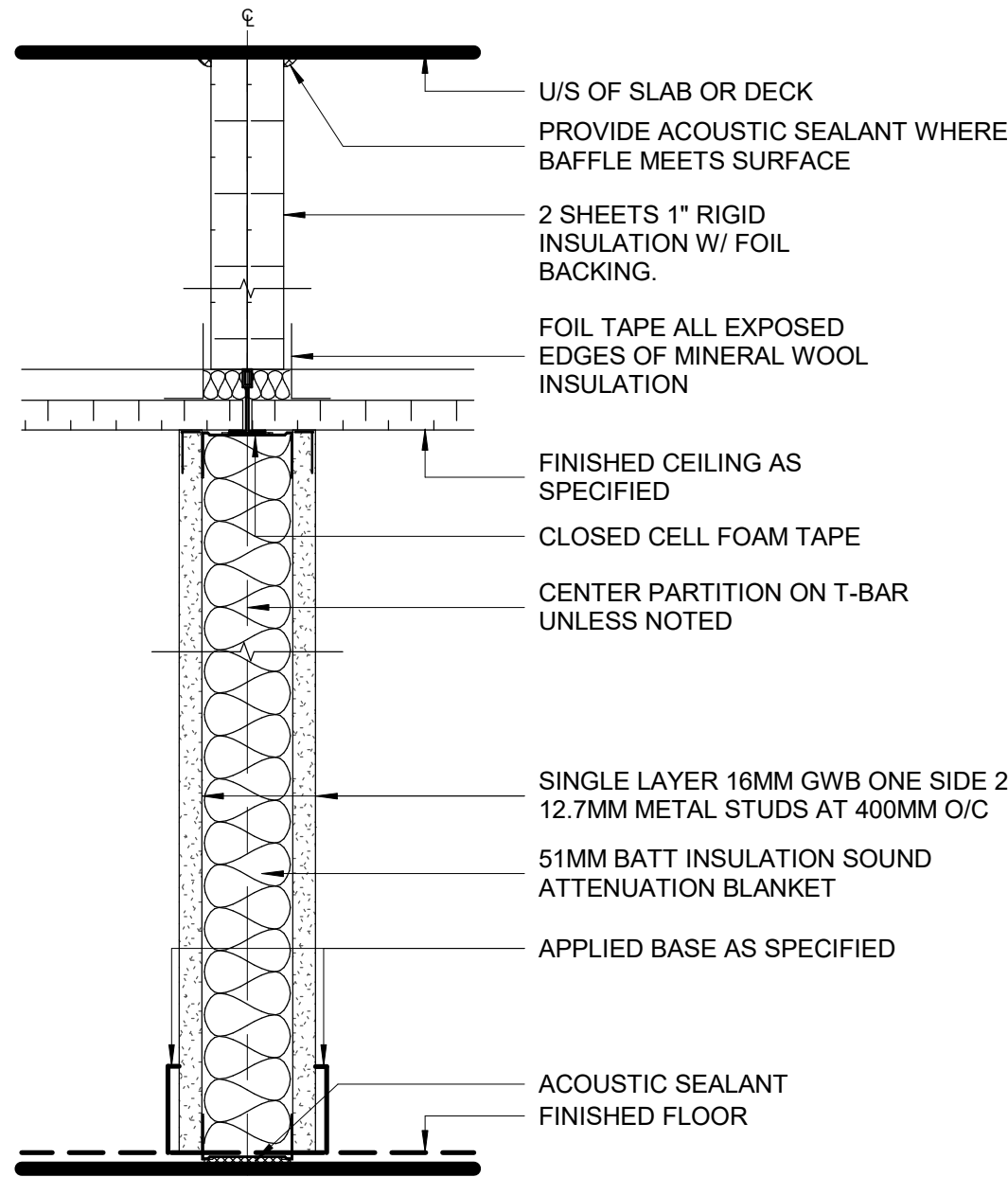
ISSUE  
**A**



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



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



5 DRYWALL - ACOUSTICAL TREATMENT ABOVE CEILING  
D1501 Scale: 1 : 5

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

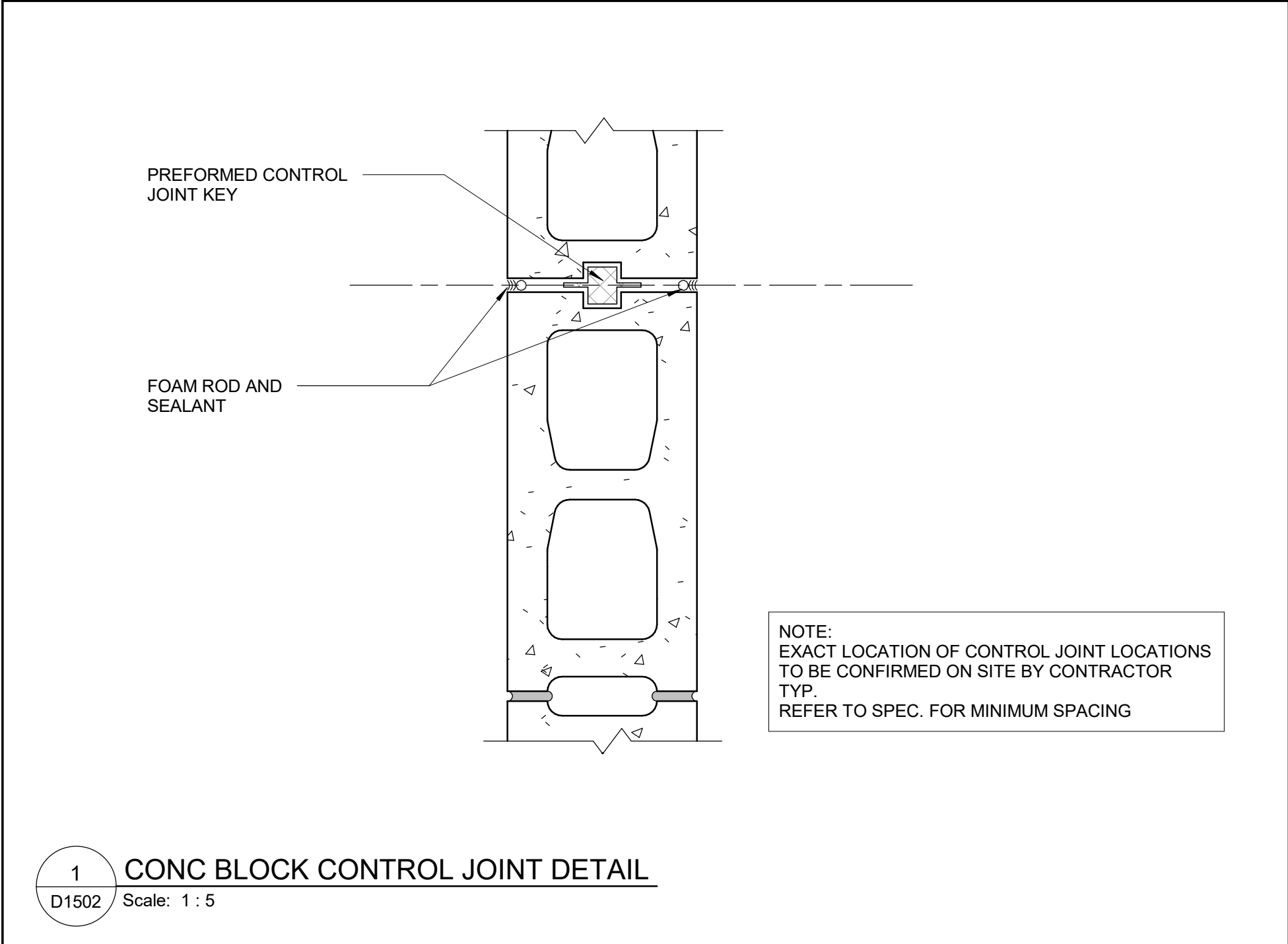
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MISCELLANEOUS  
DETAILS - 01

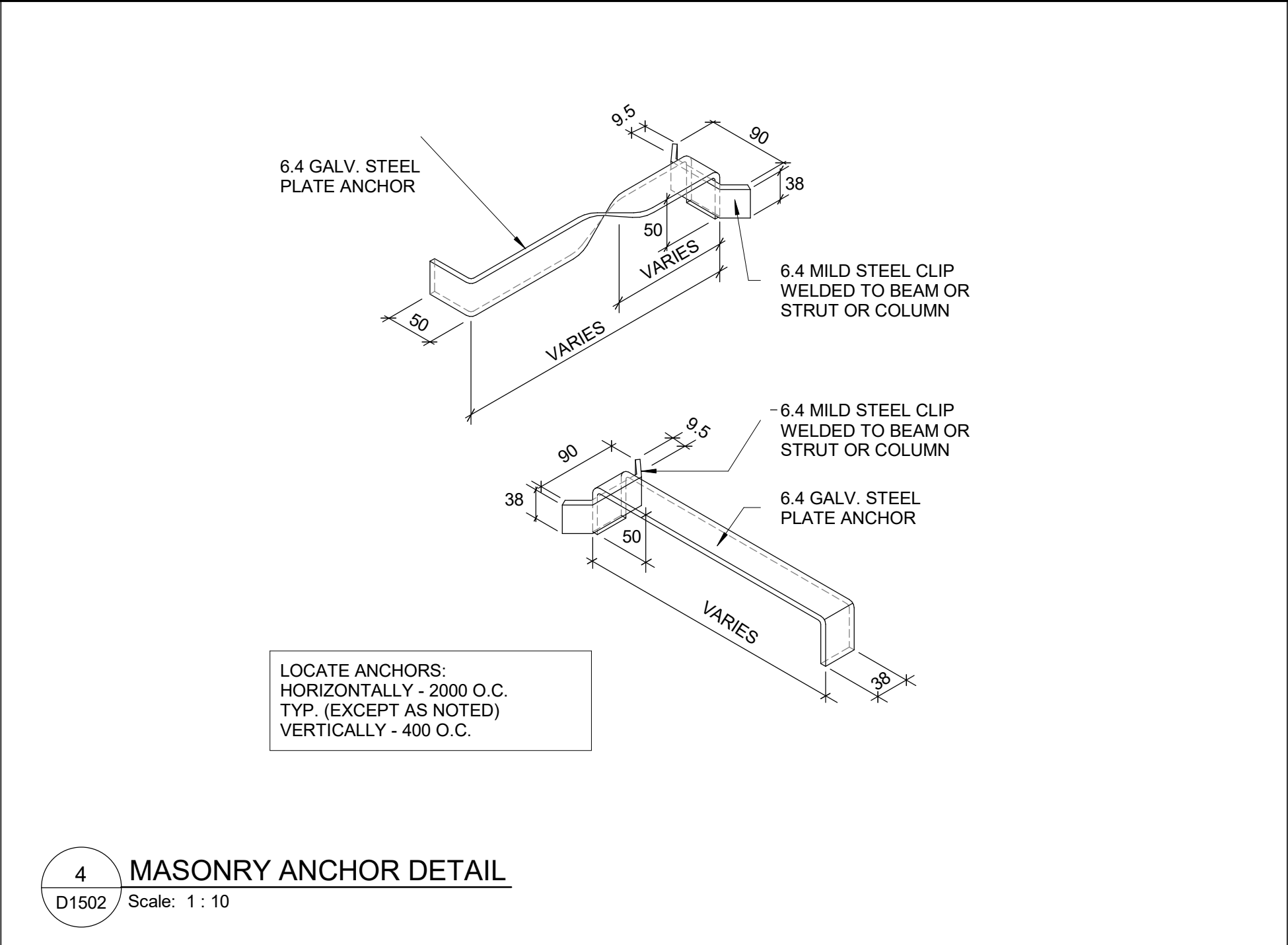
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D1501	A

2025-04-11 10:39:53 AM

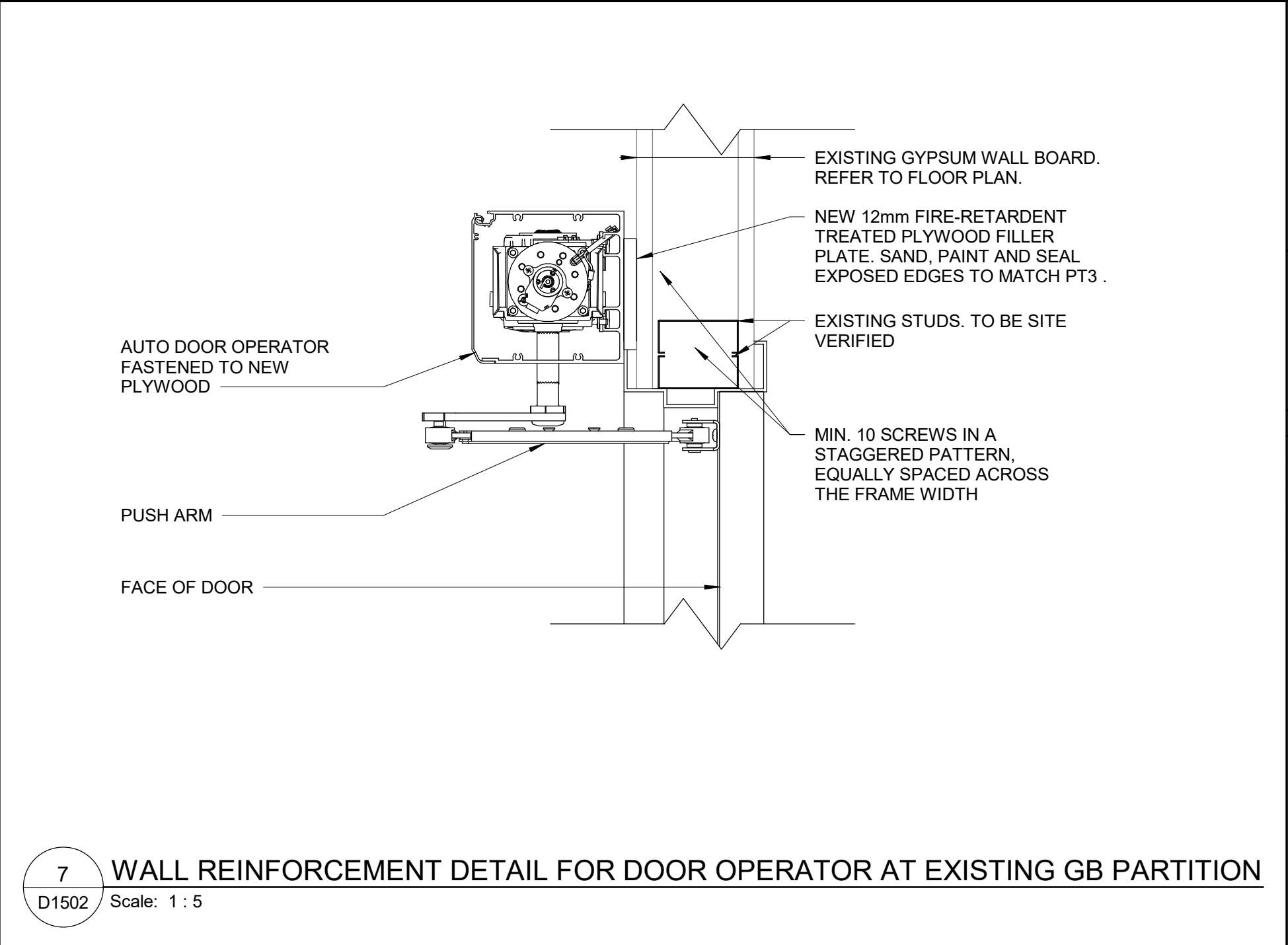
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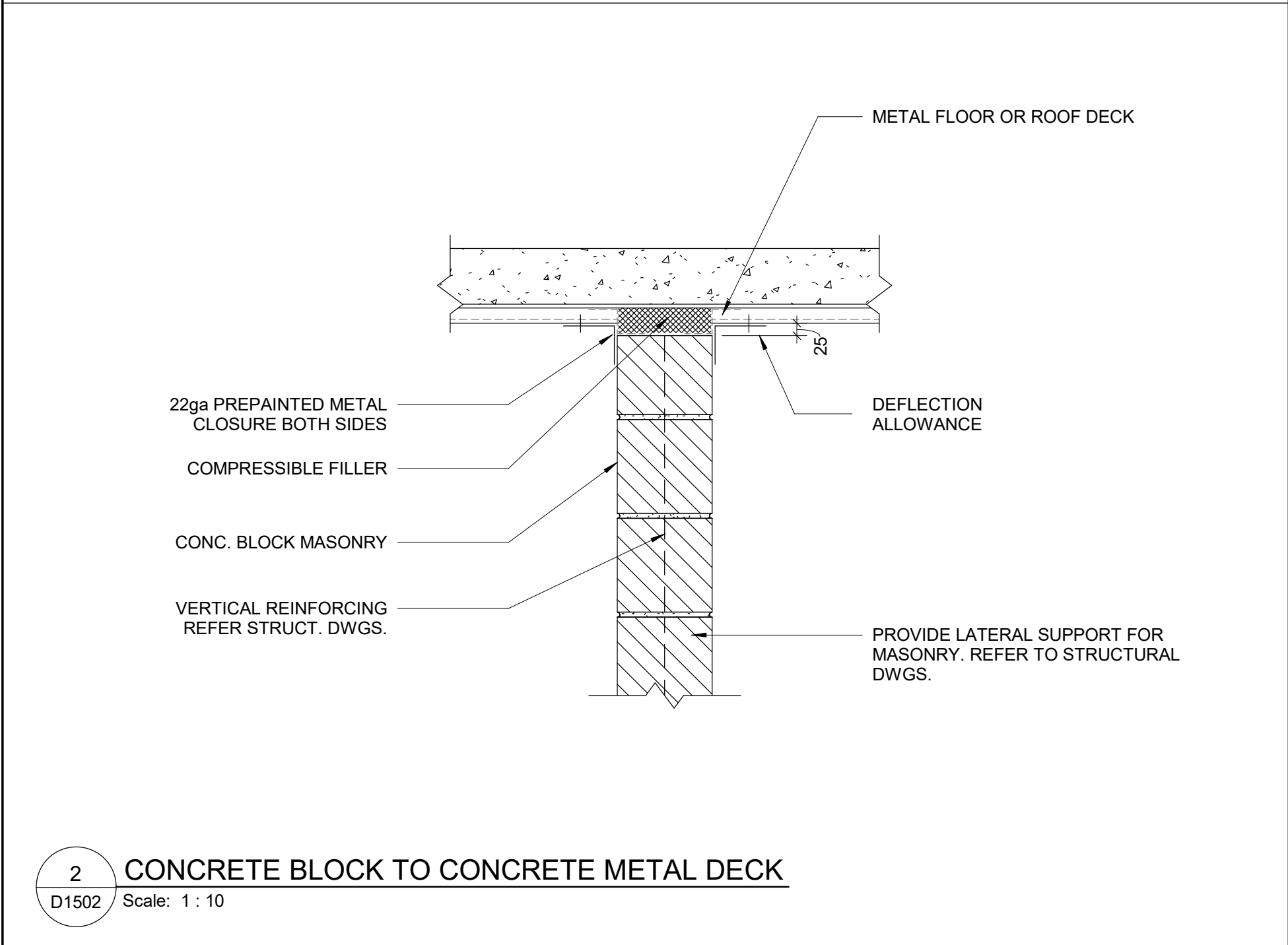
1 CONC BLOCK CONTROL JOINT DETAIL  
D1502 Scale: 1 : 5



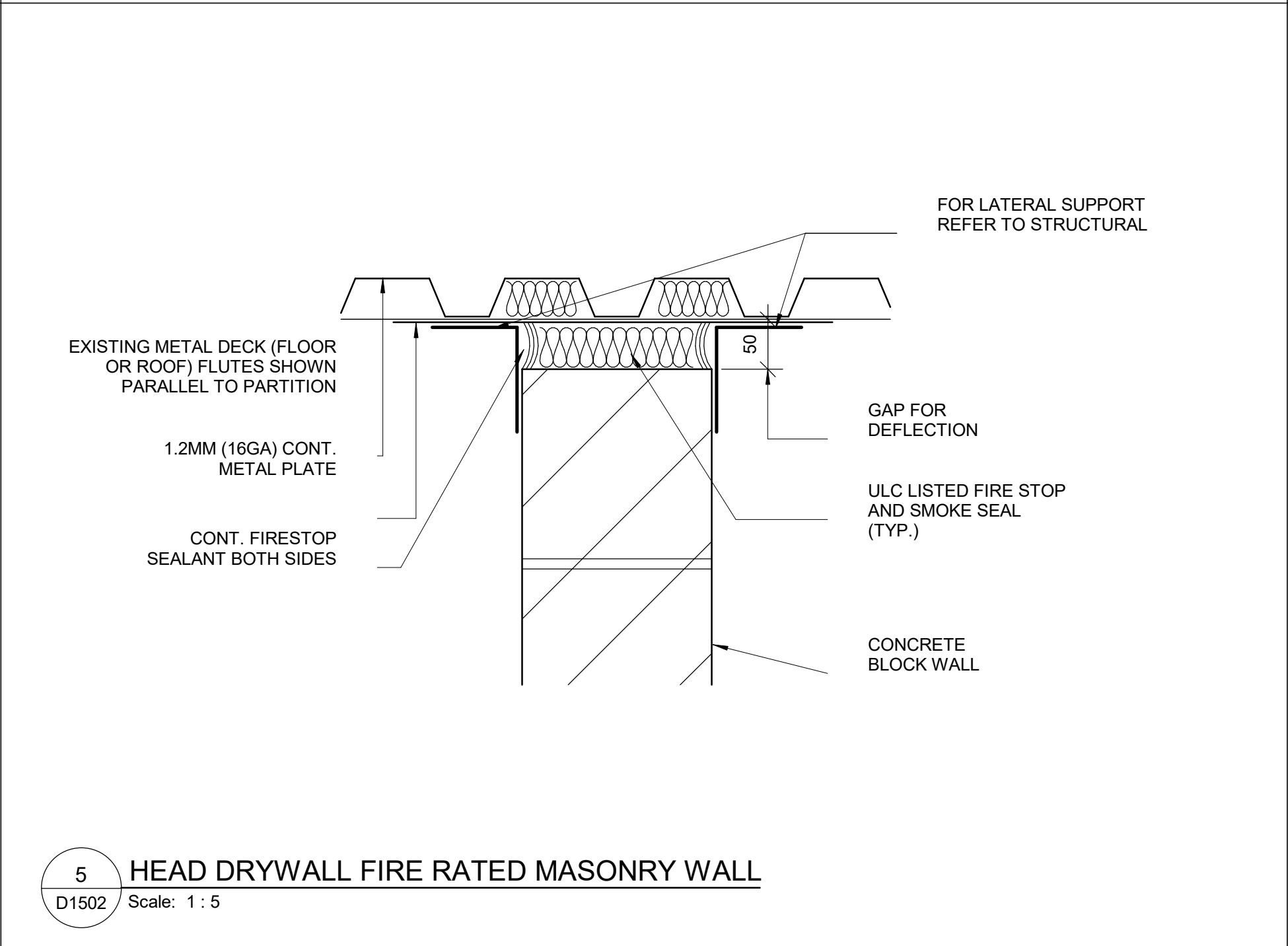
4 MASONRY ANCHOR DETAIL  
D1502 Scale: 1 : 10



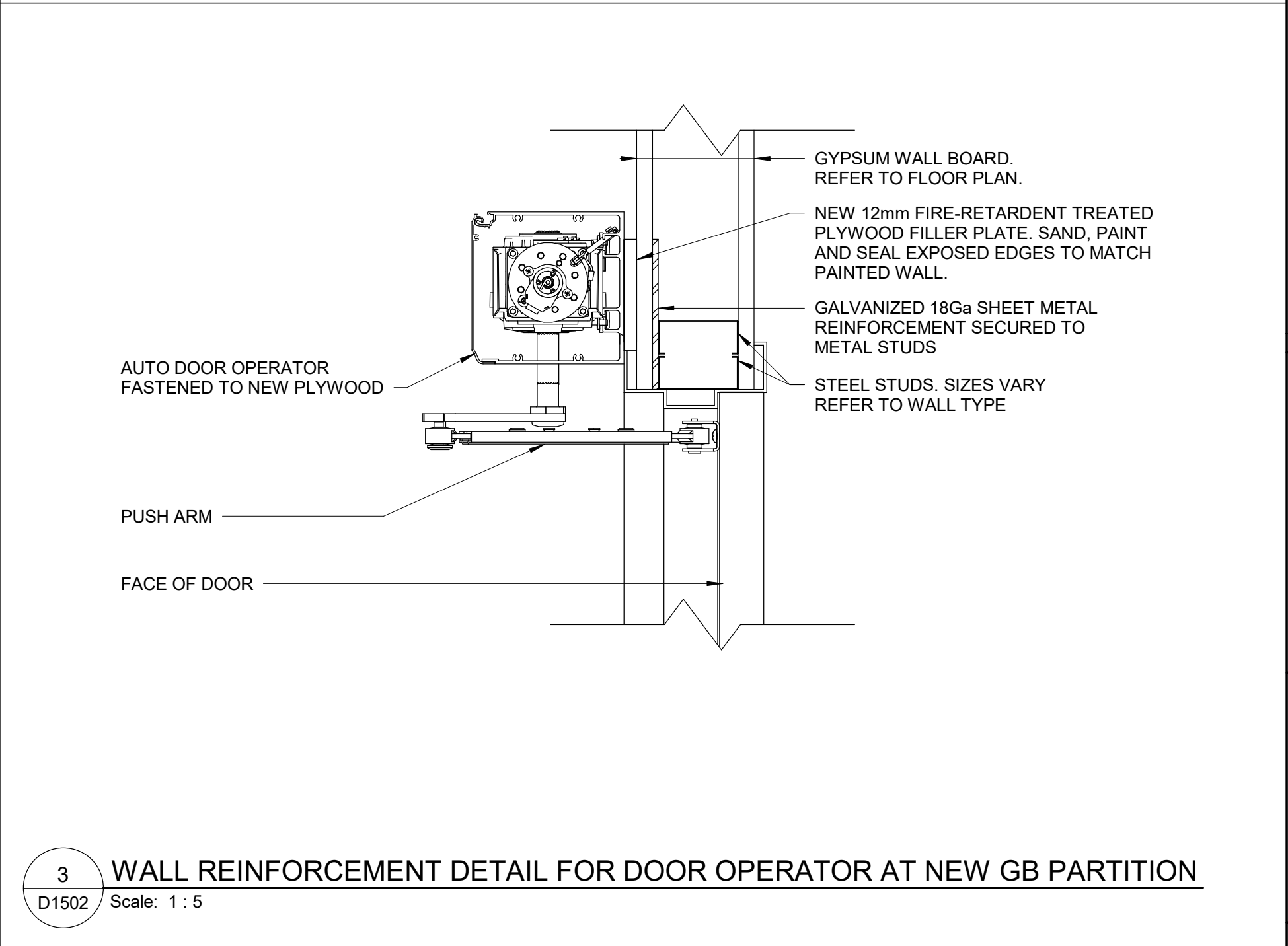
7 WALL REINFORCEMENT DETAIL FOR DOOR OPERATOR AT EXISTING GB PARTITION  
D1502 Scale: 1 : 5



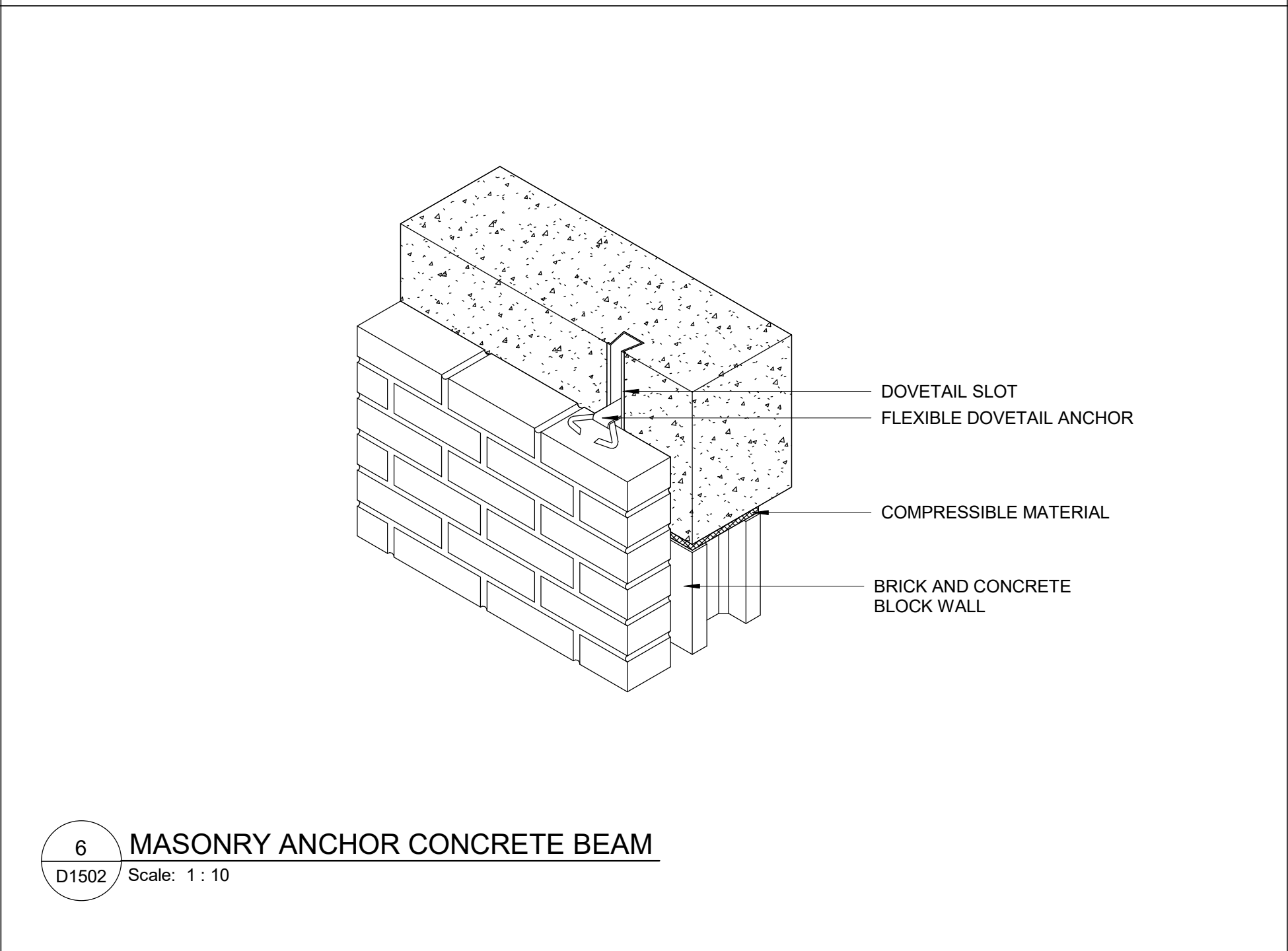
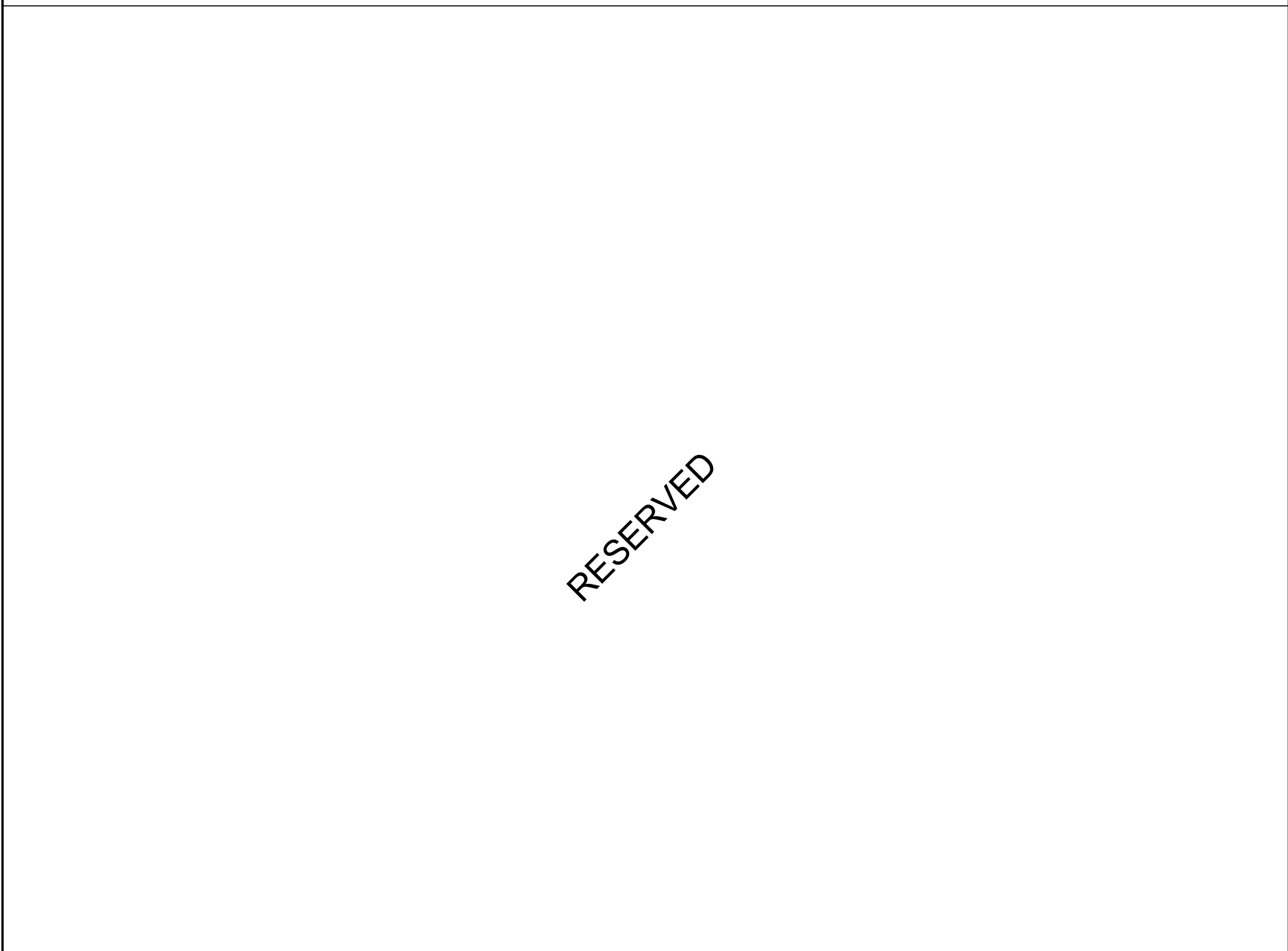
2 CONCRETE BLOCK TO CONCRETE METAL DECK  
D1502 Scale: 1 : 10



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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PROJECT NO:  
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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

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SCALE CHECK  
1 in  
10mm

RESERVED

RESERVED

RESERVED

RESERVED

RESERVED

RESERVED


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PROJECT NO:  
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PROJECT MGR: F. BOLOURIAN	APPROVED BY: E. FENUTA

SHEET TITLE

ELEVAOTOR DETAILS

SHEET NUMBER	ISSUE
D1601	A

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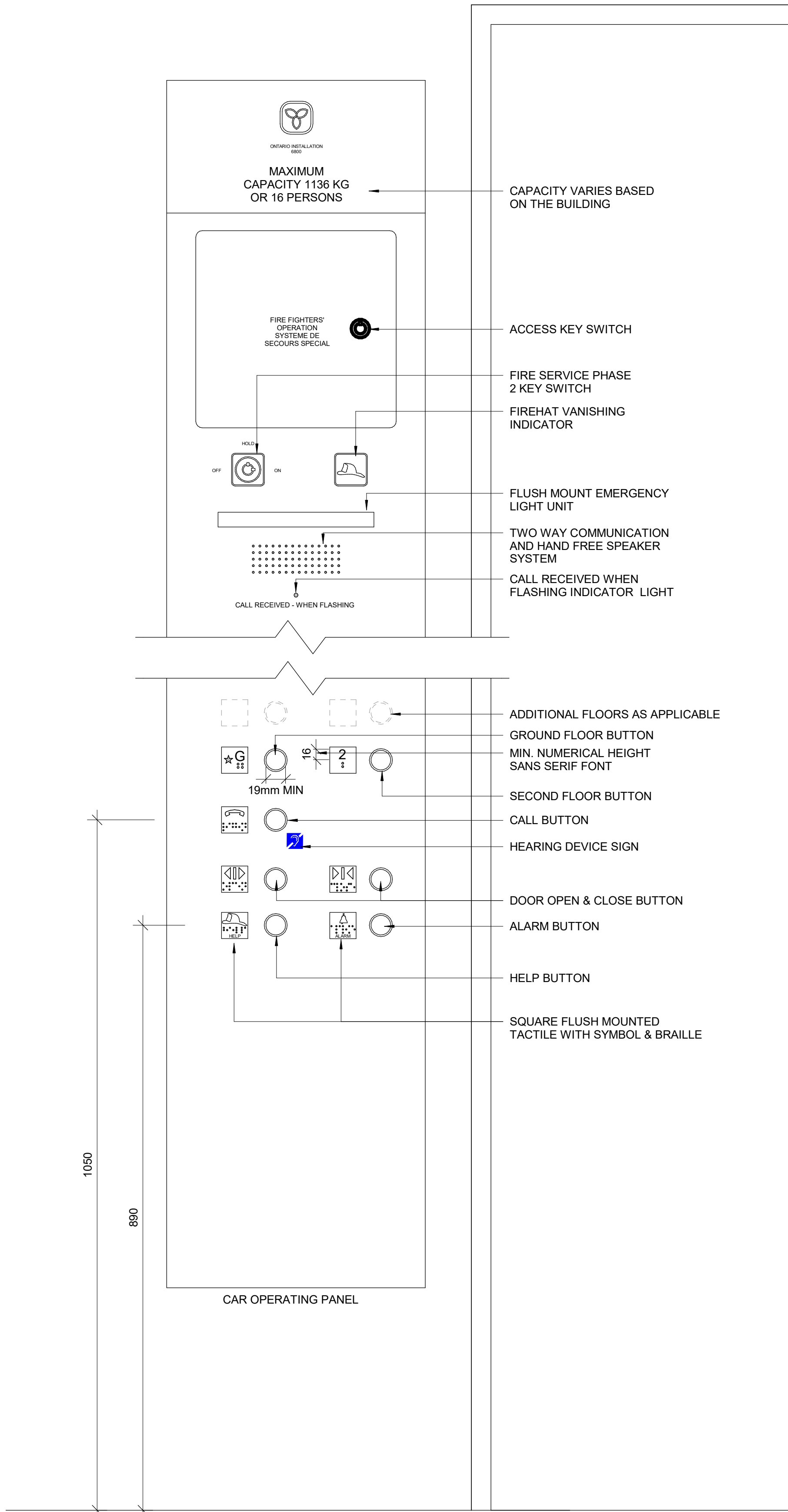
SCALE CHECK

1 in

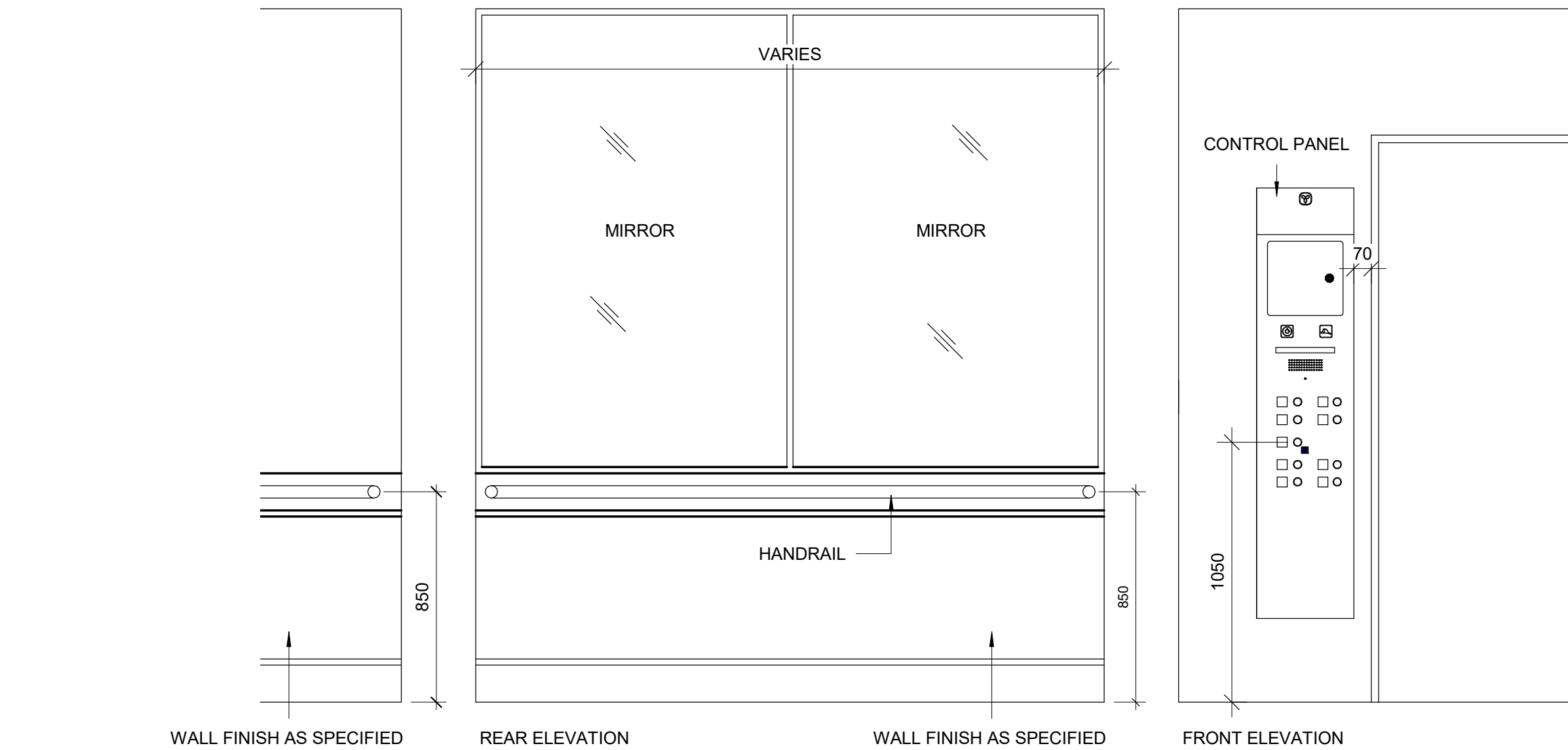
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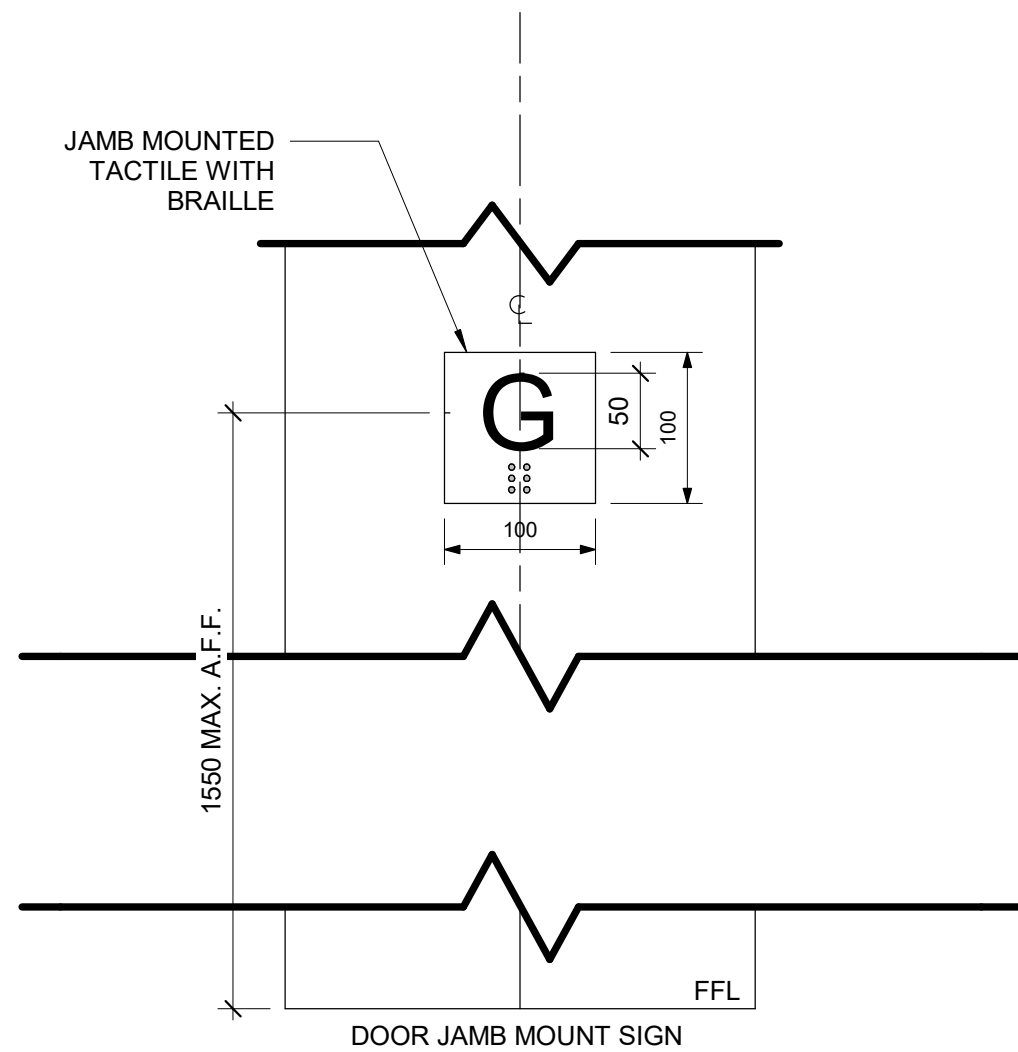
1 INTERIOR ELEVATOR CONTROLS  
D1602 Scale: 1 : 5



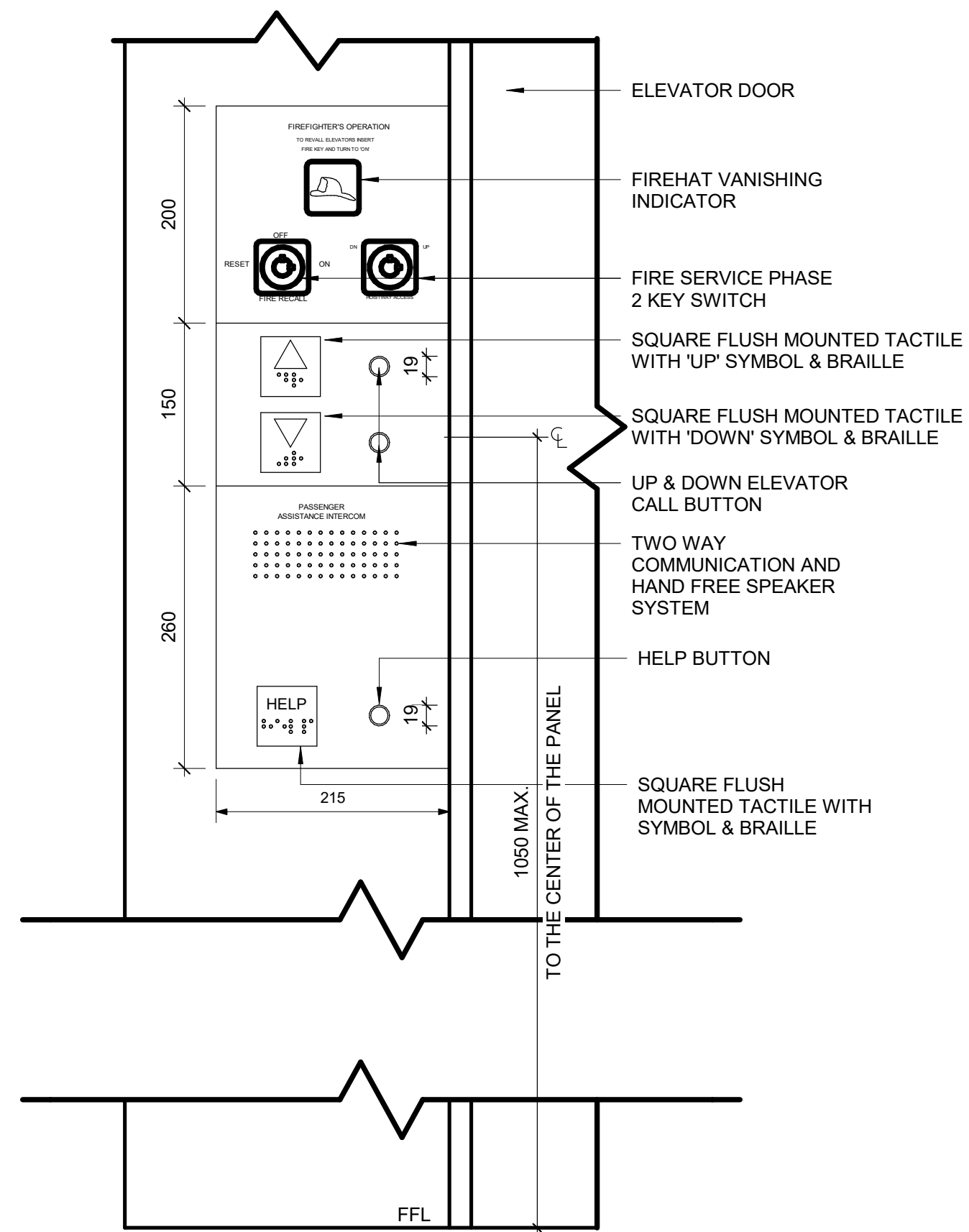
2 ELEVATOR INTERIOR ELEVATIONS  
D1602 Scale: 1 : 20



3 TACTILE FLOOR MARKER  
D1602 Scale: 1 : 5



4 ELEVATOR EXTERIOR PANEL ELEVATION  
D1602 Scale: 1 : 5



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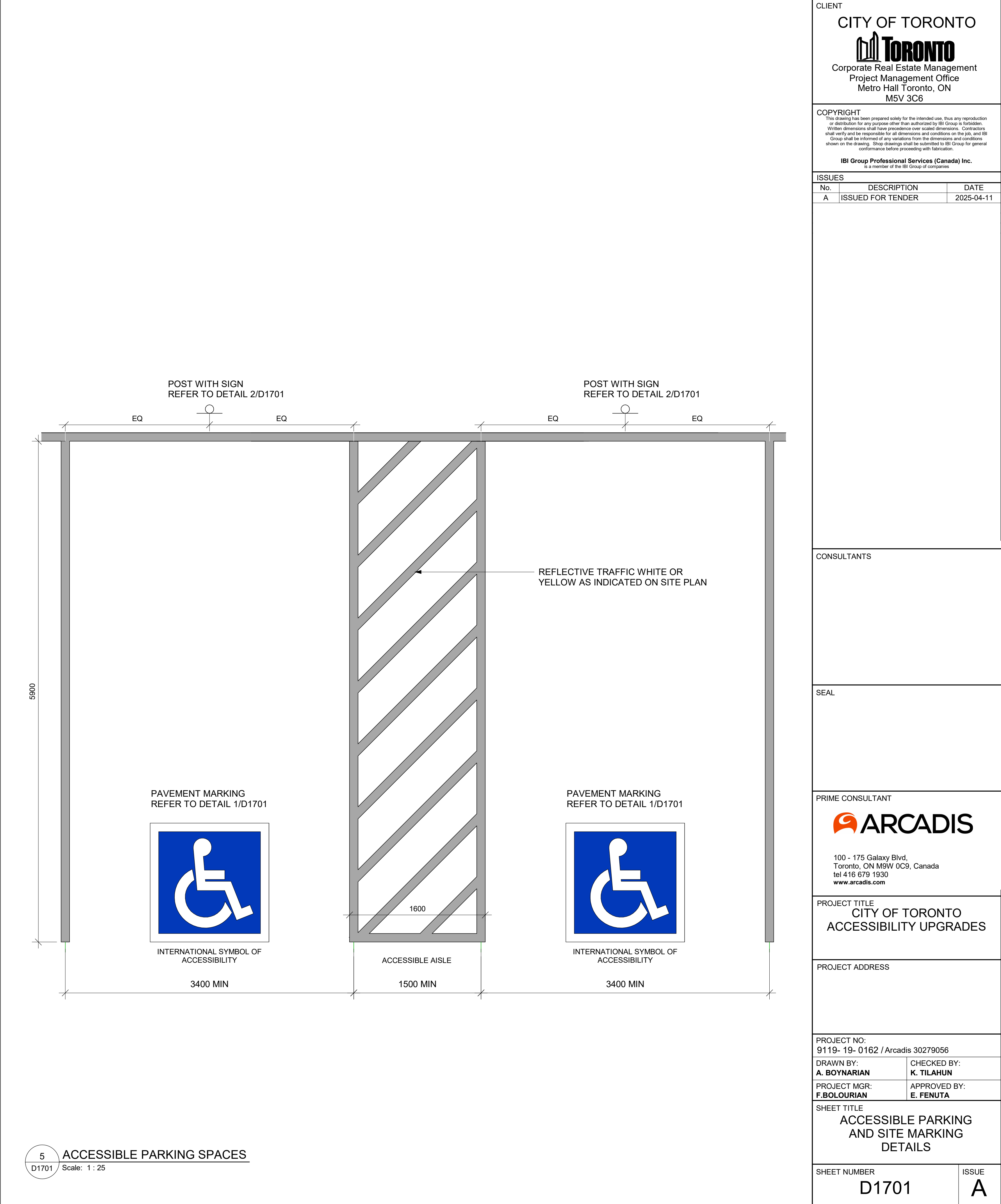
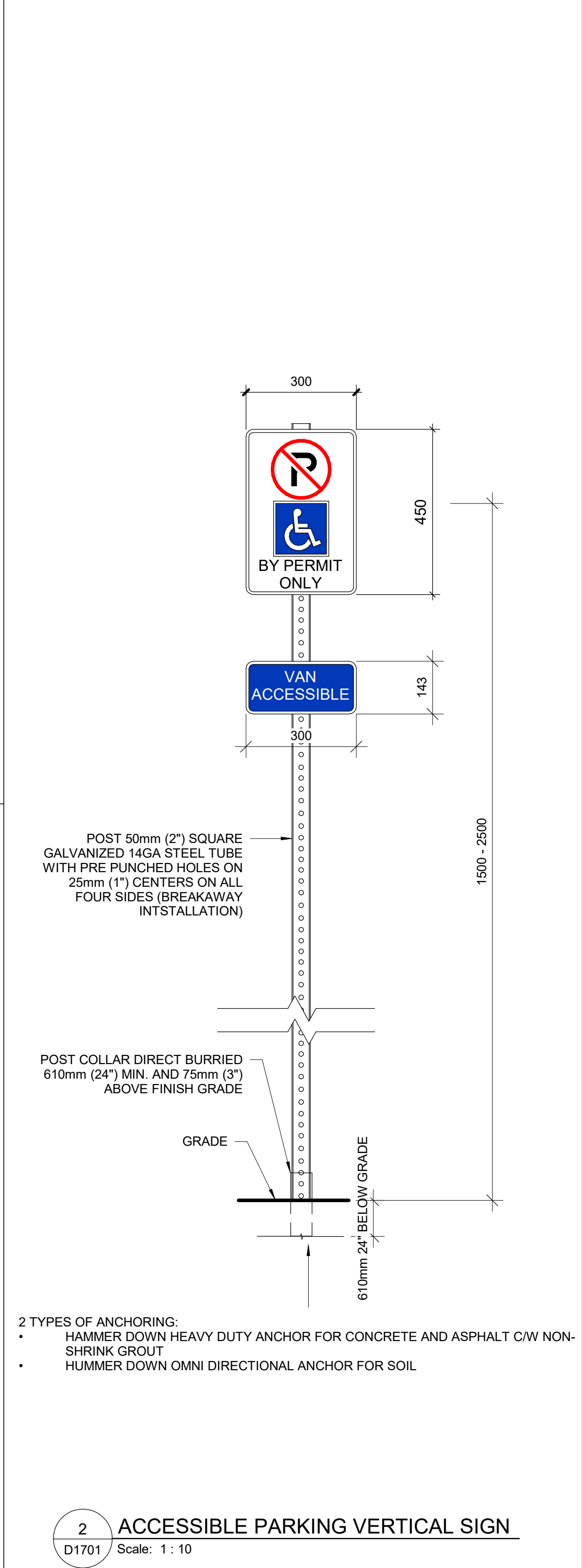
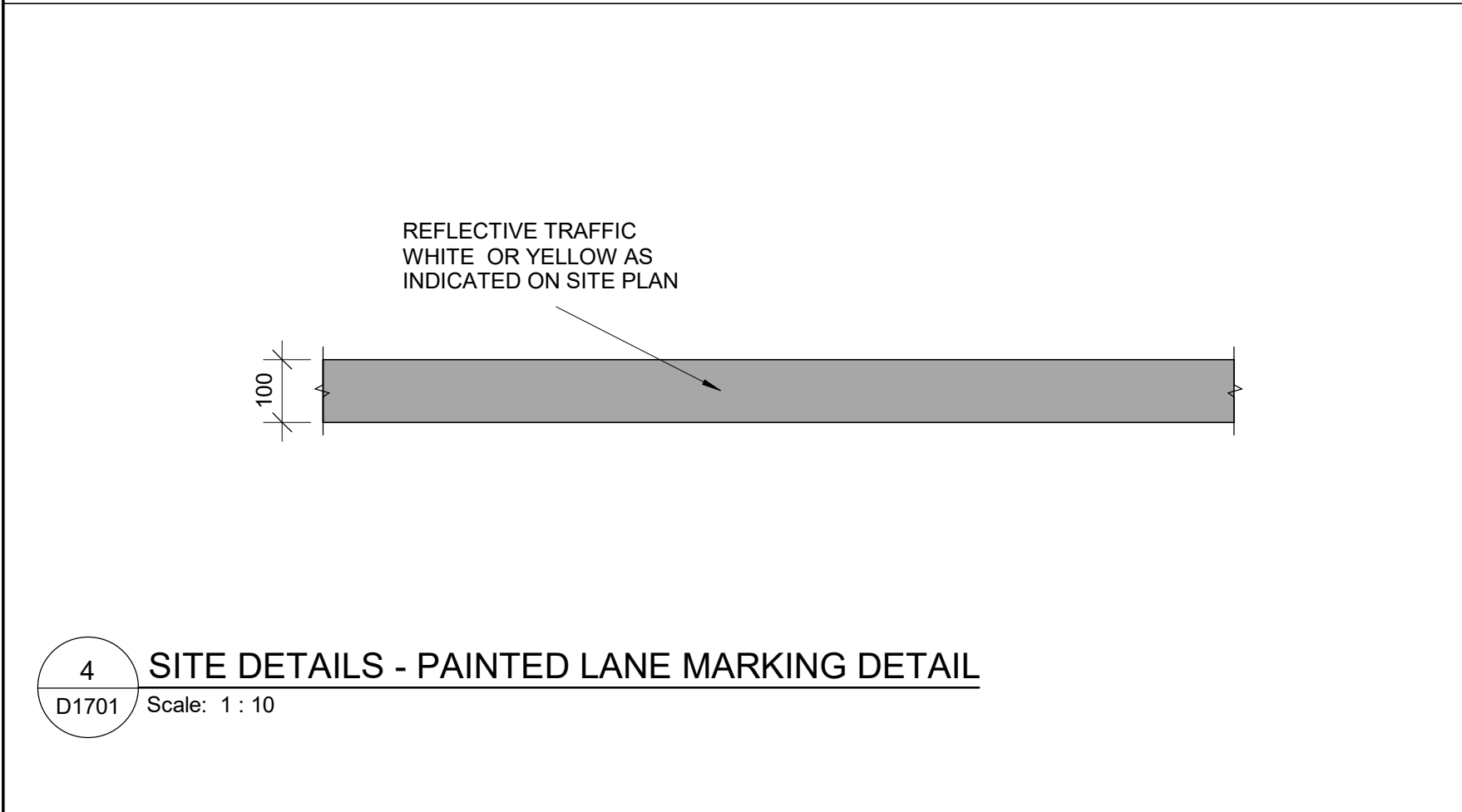
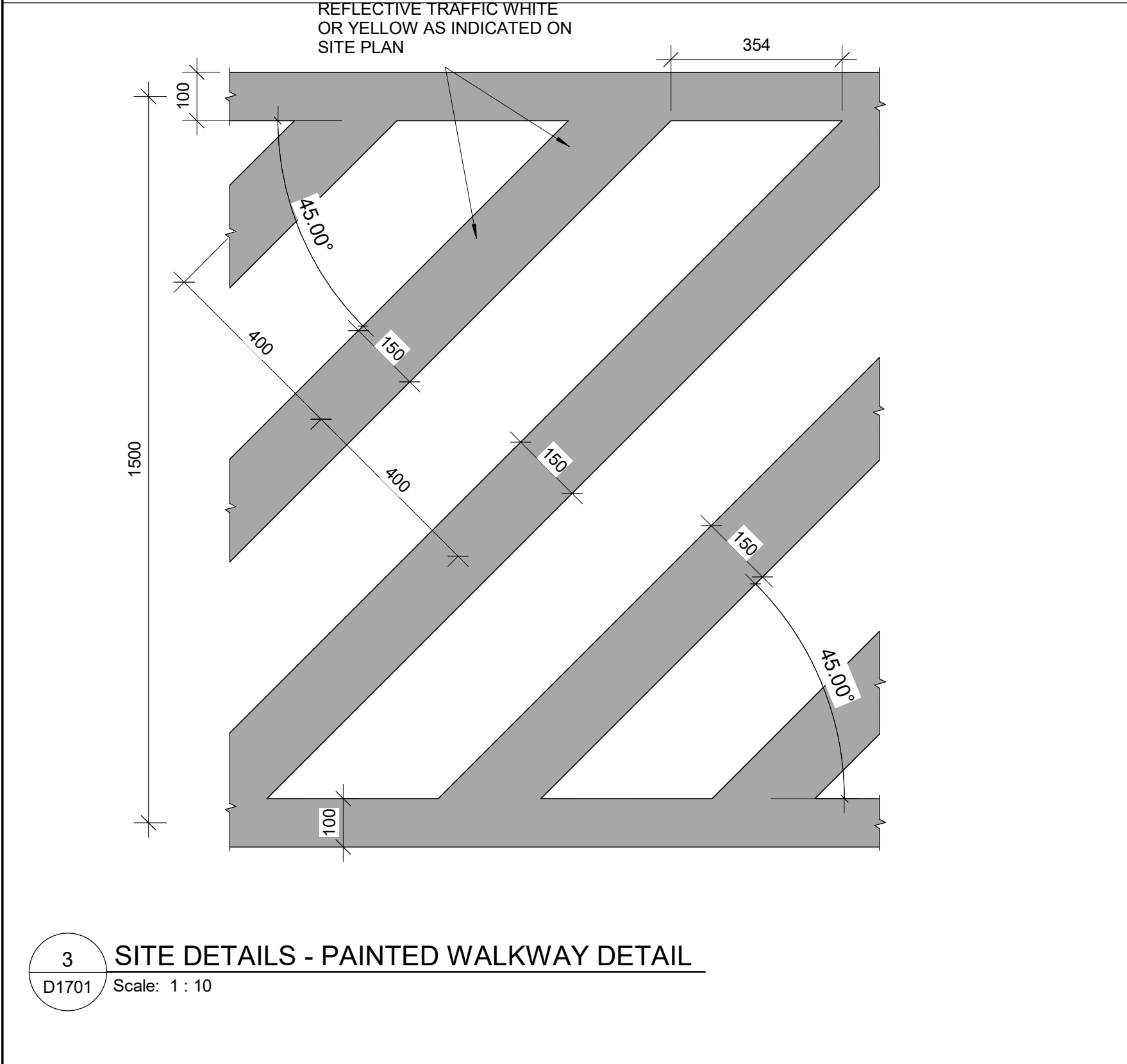
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PROJECT MGR:  
**F. BOLOURIAN**  
CHECKED BY:  
**K. TILAHUN**  
APPROVED BY:  
**E. FENUITA**

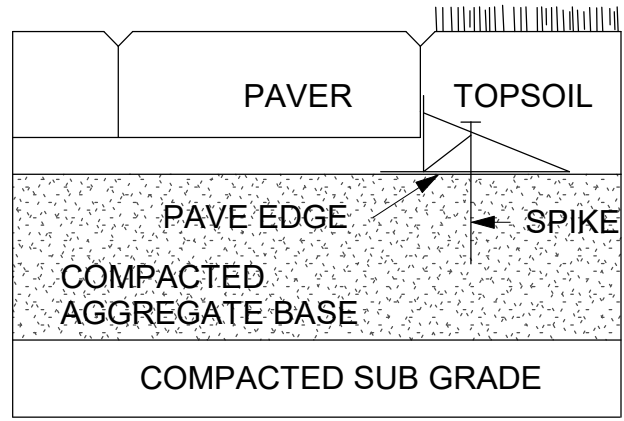
SHEET TITLE  
**ELEVATOR CONTROL &  
INTERIOR CABIN  
DETAILS**

SHEET NUMBER <b>D1602</b>	ISSUE <b>A</b>
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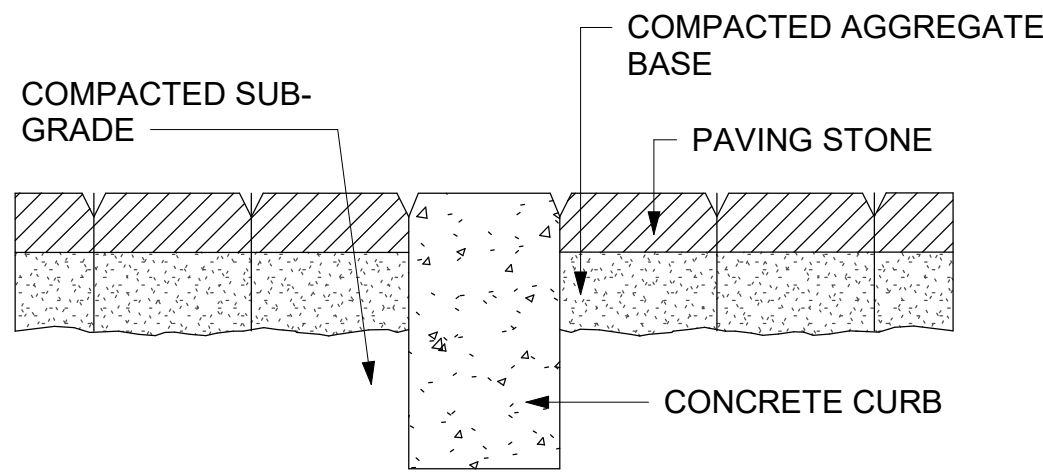
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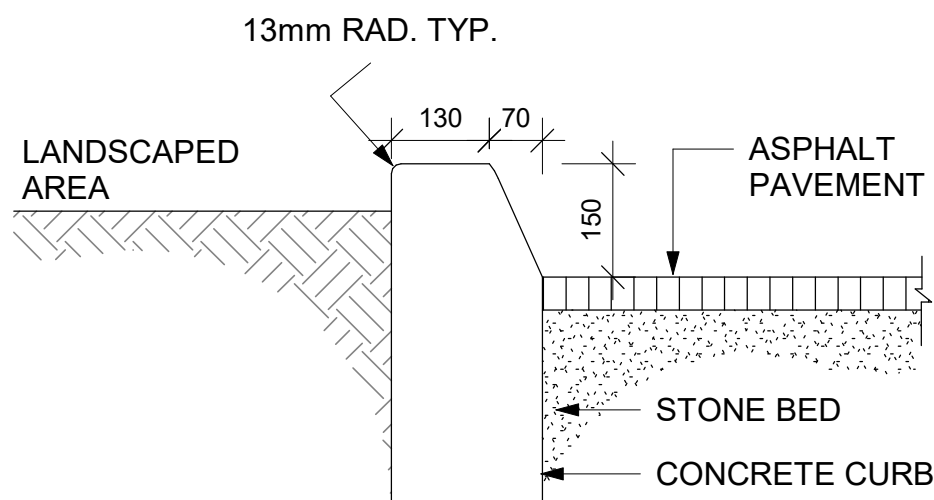
CLIENT CITY OF TORONTO <div><b>Toronto</b></div> Corporate Real Estate Management Project Management Office Metro Hall Toronto, ON MSV 3C6		
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PROJECT TITLE CITY OF TORONTO ACCESSIBILITY UPGRADES		
PROJECT ADDRESS		
PROJECT NO: 9119- 19- 0162 / Arcadis 30279056		
DRAWN BY: A. BOYNARIAN		CHECKED BY: K. TILAHUN
PROJECT MGR: F. BOLOURIAN		APPROVED BY: E. FENUTA
SHEET TITLE ACCESSIBLE PARKING AND SITE MARKING DETAILS		
SHEET NUMBER D1701		ISSUE A



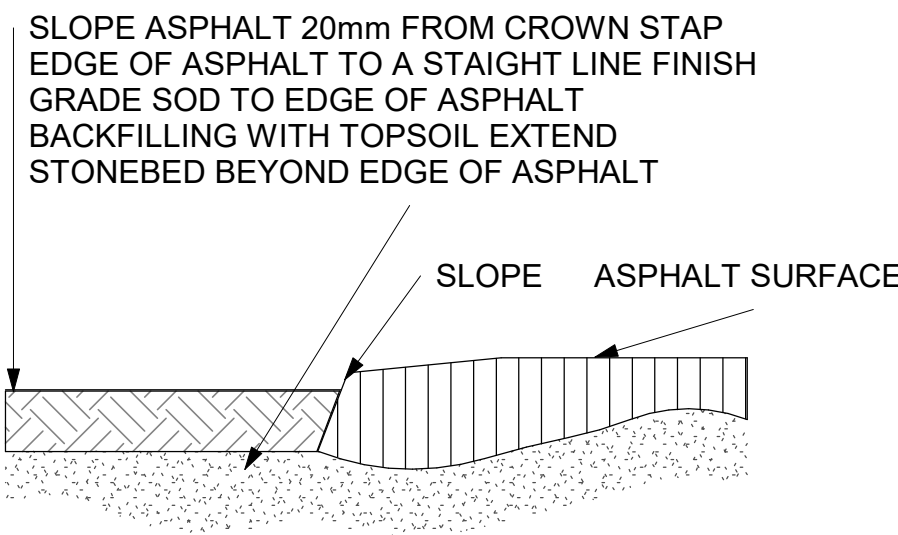
1 **PAVER**  
D1702 Scale: 1 : 10



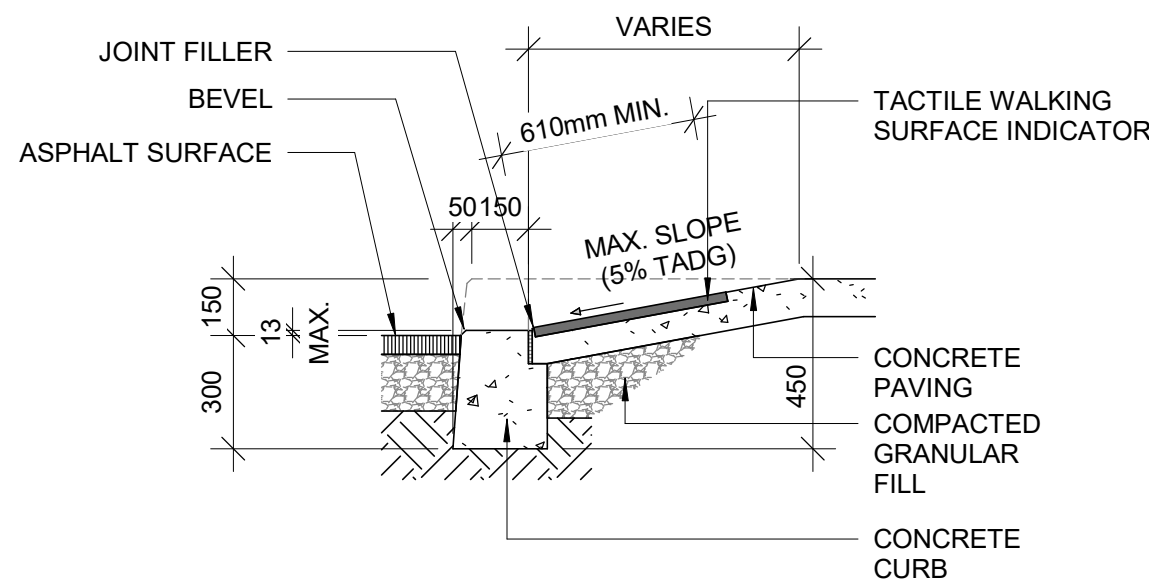
2 **DEPRESSION CURB**  
D1702 Scale: 1 : 10



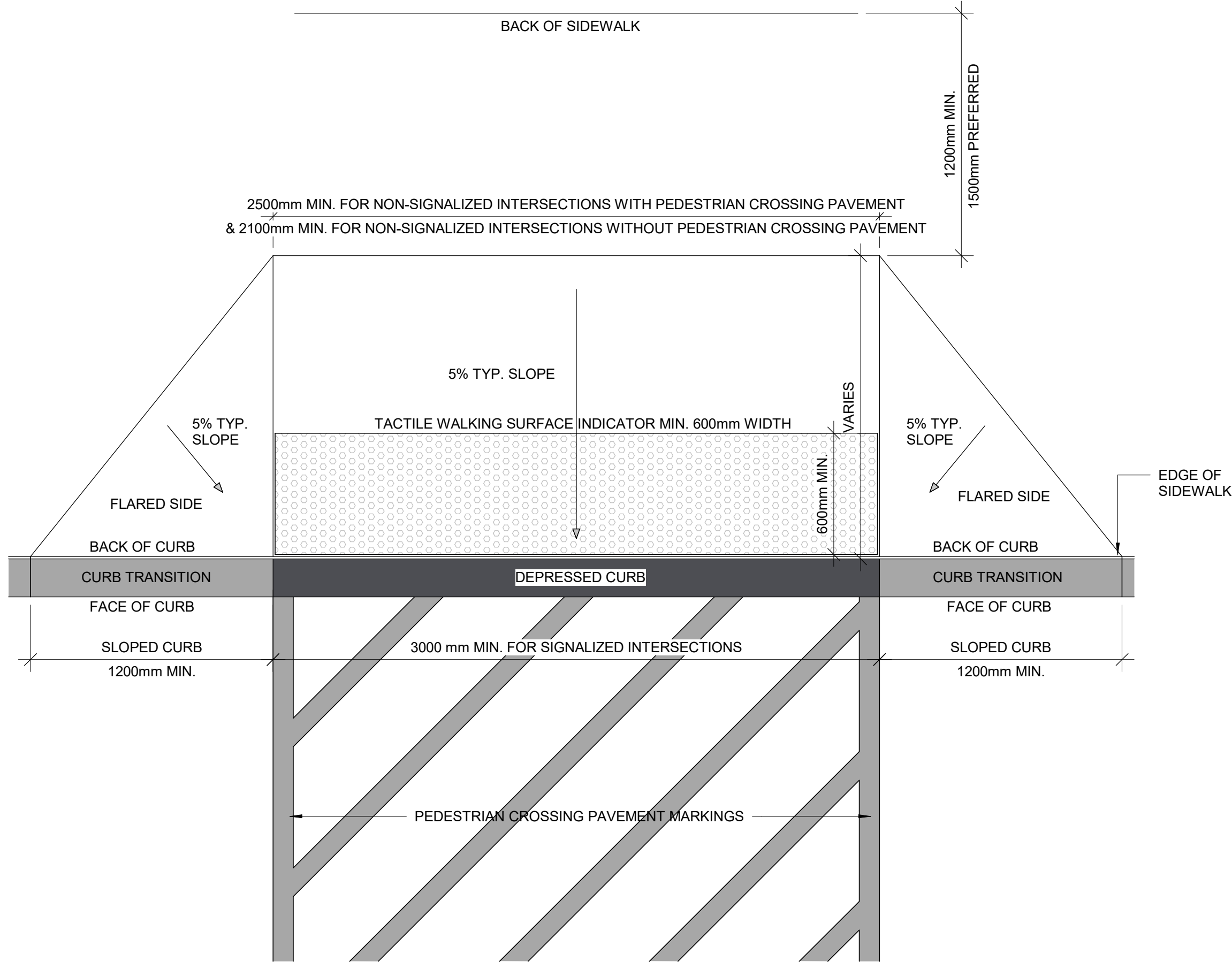
3 **CURB DETAIL AT LANDSCAPED AREA**  
D1702 Scale: 1 : 10



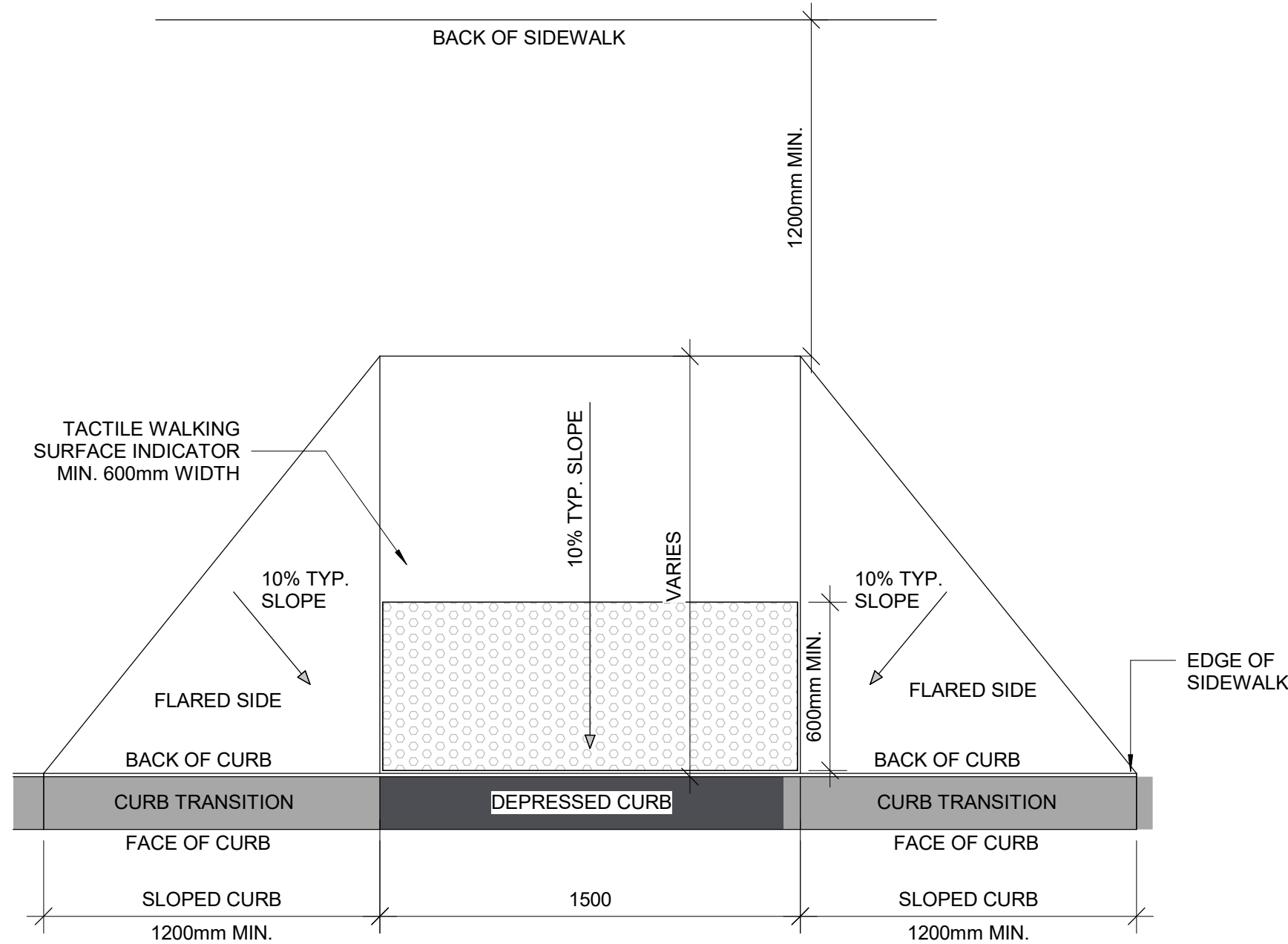
4 **ASPHALT EDGE**  
D1702 Scale: 1 : 10



6 **CURB RAMP SECTION**  
D1702 Scale: 1 : 20



5 **LARGE CURB RAMP PLAN**  
D1702 Scale: 1 : 20



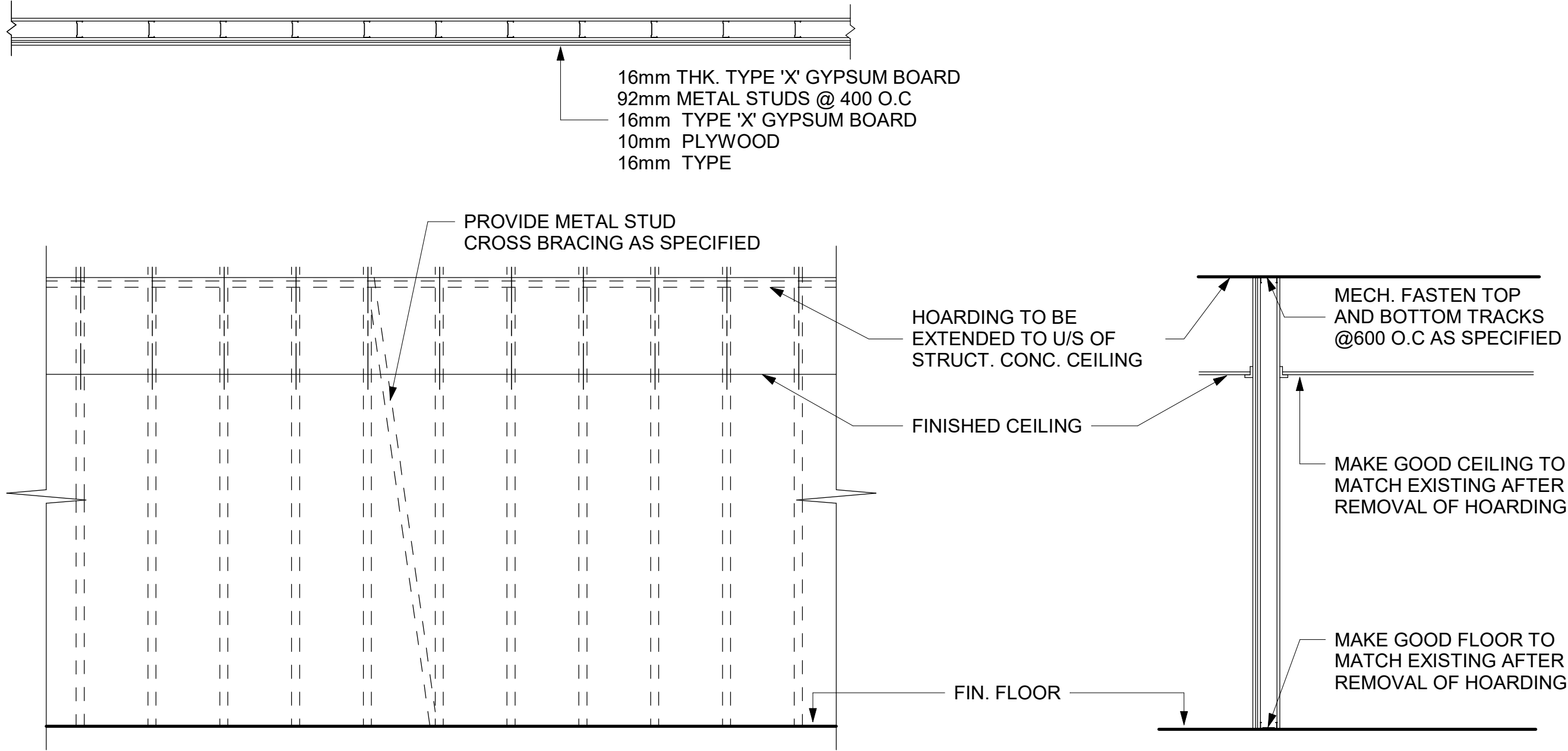
7 **CURB RAMP PLAN**  
D1702 Scale: 1 : 20

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

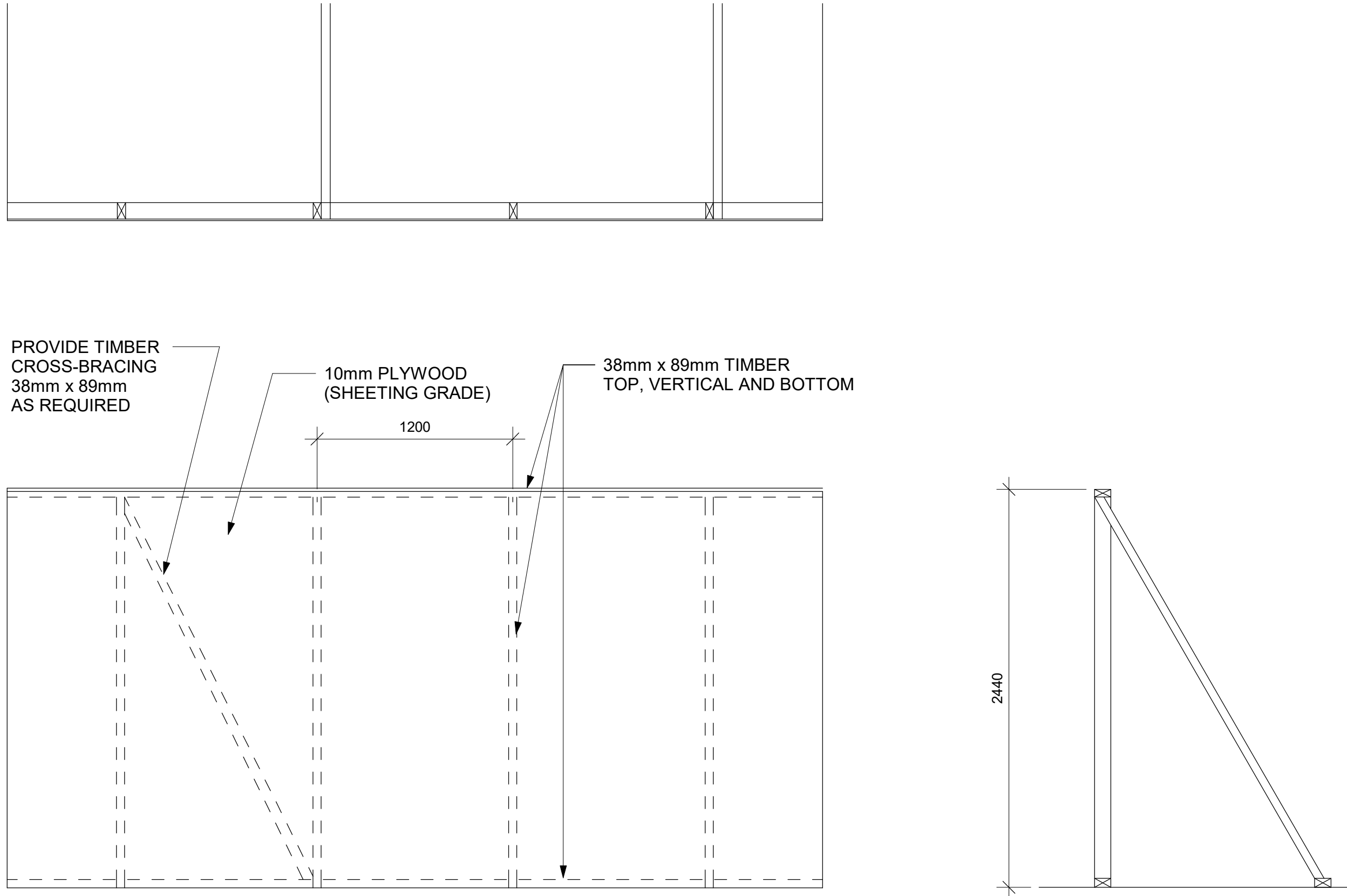
CONSULTANTS

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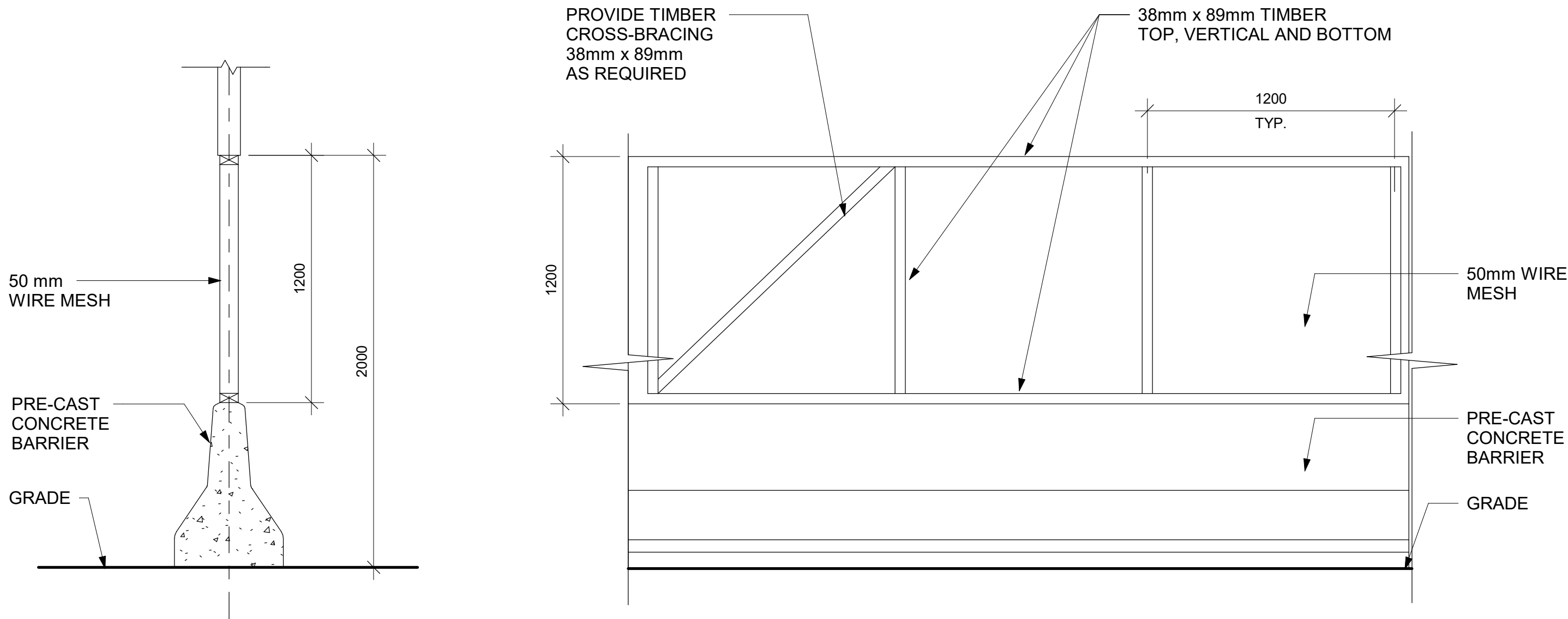
**PROJECT ADDRESS**



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



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



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

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

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

PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

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

SHEET TITLE  
**HOARDING DETAILS**

SHEET NUMBER  
**D1801**  
ISSUE  
**A**

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890

**ABCDEFGHIJKLMNOPQRSTUVWXYZ**  
**abcdefghijklmnopqrstuvwxyz**  
**1234567890**

[illegible]

195 mm

155 mm

143 mm

2 mm

Zero-thick **clear panel** (PFI-236 AGC) with tactile pins, message & logo

Surface and letters painted in **MatBlack Paint WP1-11521 Exterior Blue-Semi-gloss Finish**

Tactile graphics, message and line painted in **WP1-22112 White-Rolapac Semi-gloss Finish** on the 1st surface

Do not use **STAMP PAINT** for Exterior signs, these are to painted

Grade 1 Braille, colour to match background

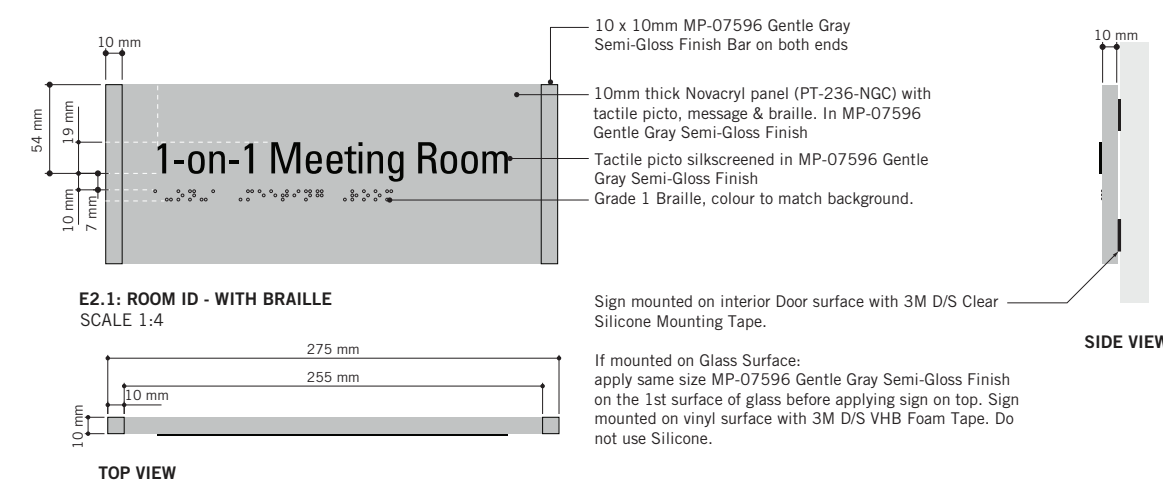
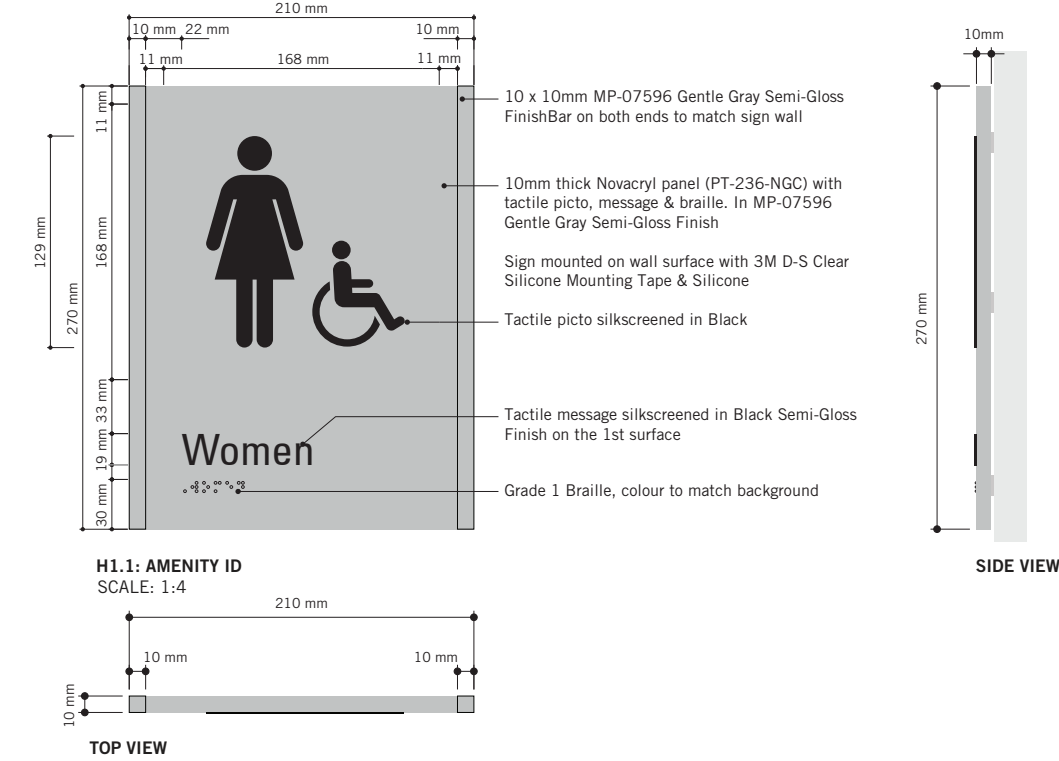
2 mm

195 mm

**H-3 ACCESSIBLE ENTRANCE D - EXTERIOR**

SCALE 1:1

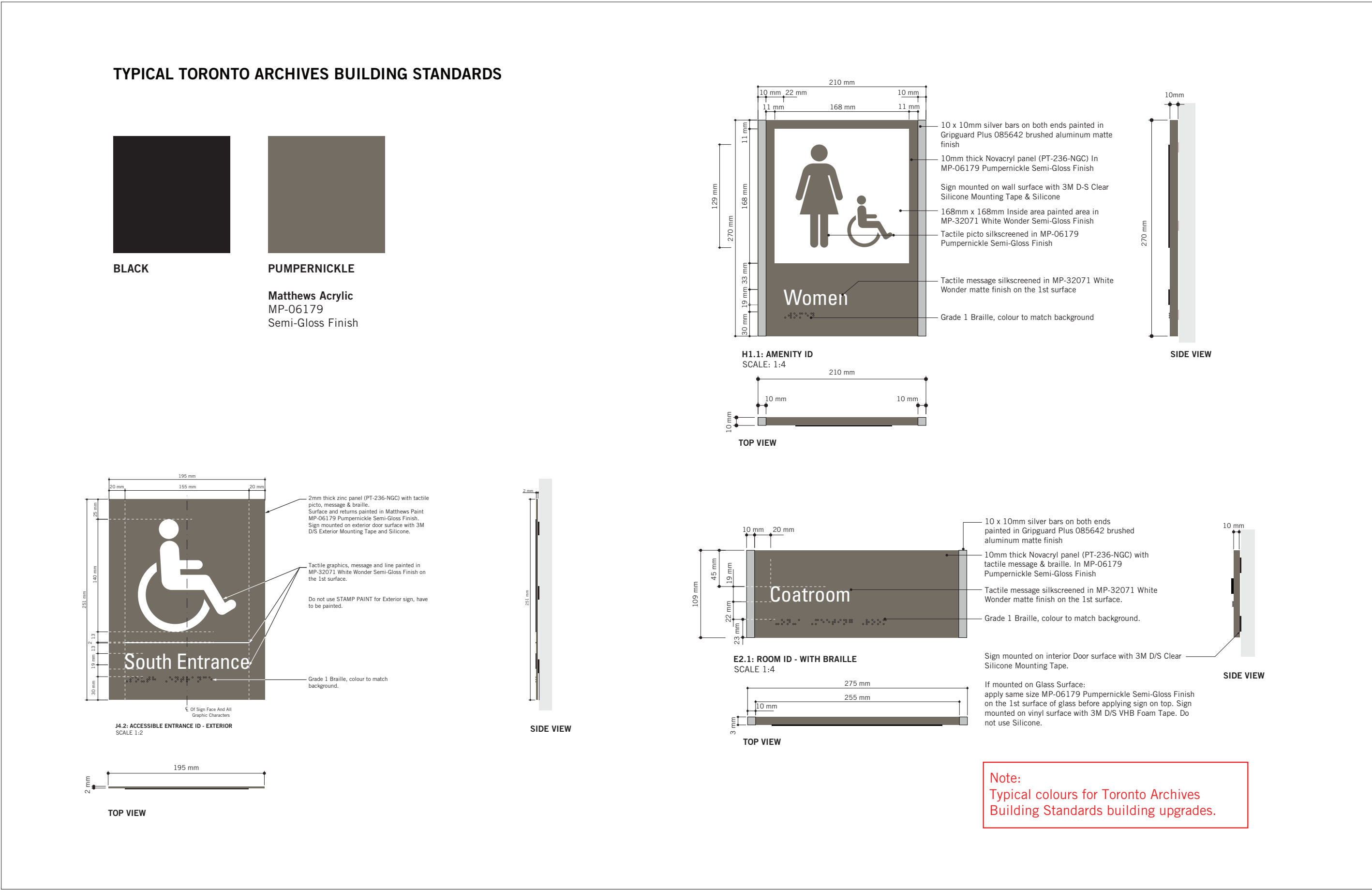
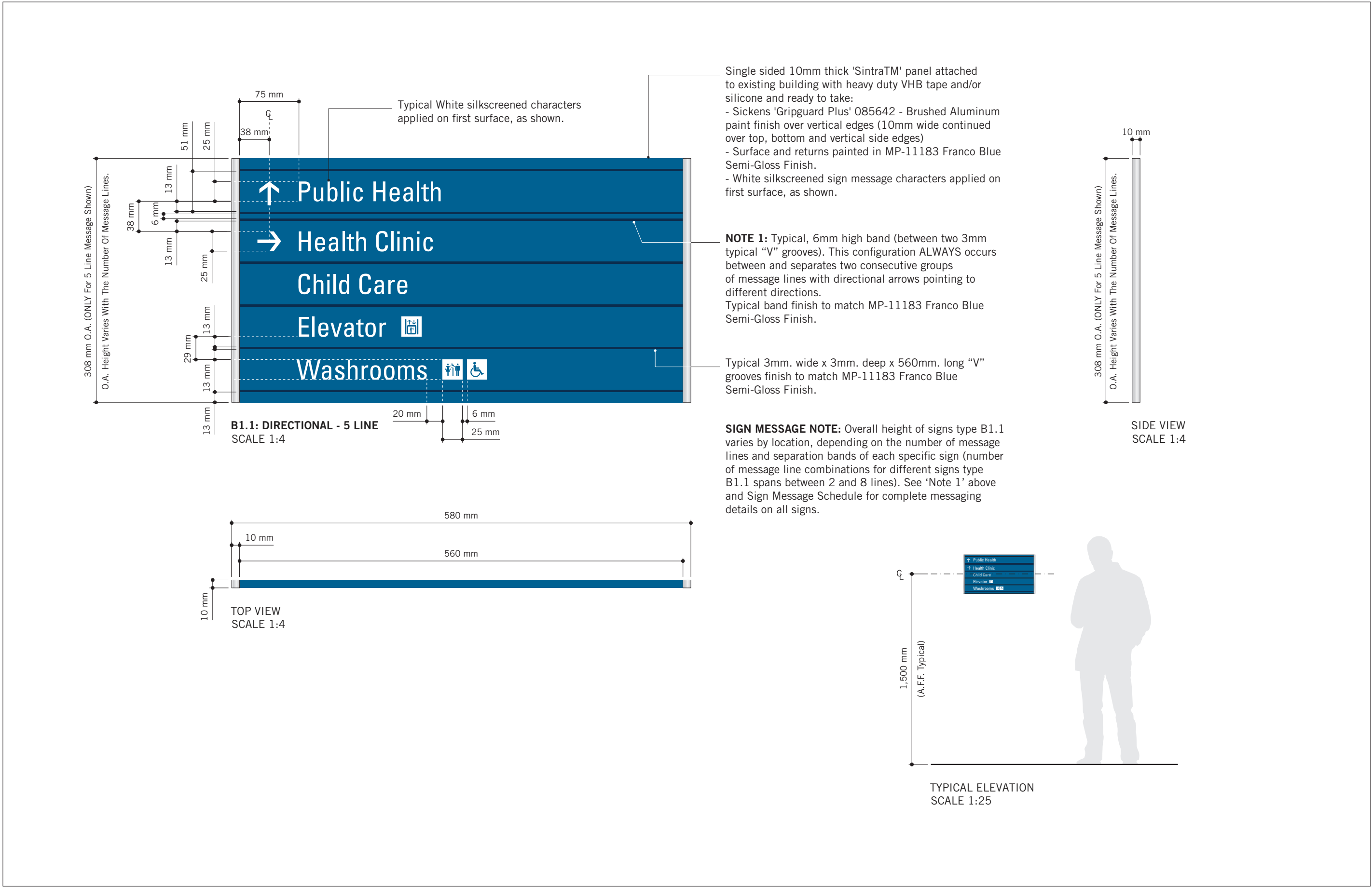
**SIDE VIEW**



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

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

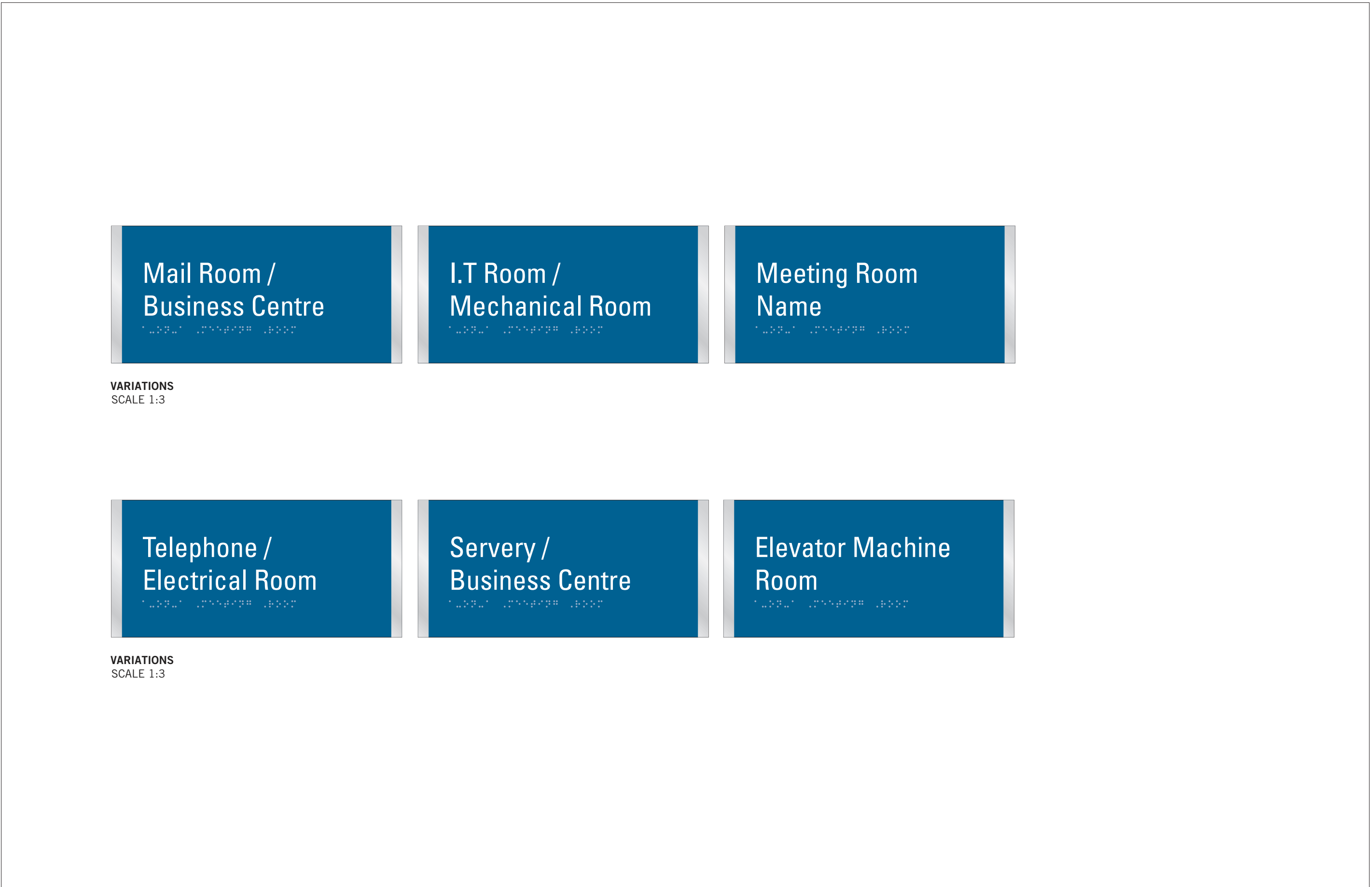
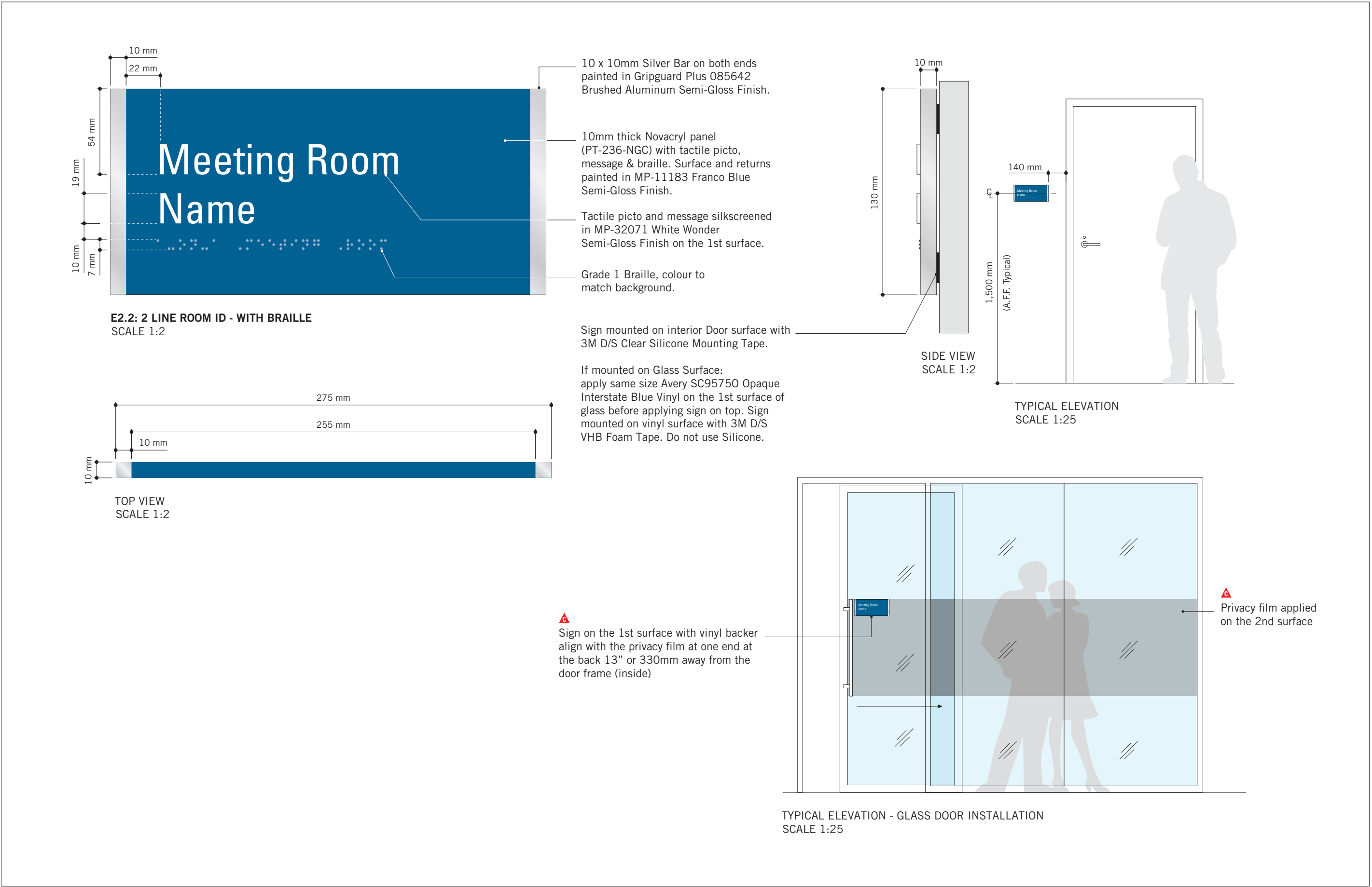
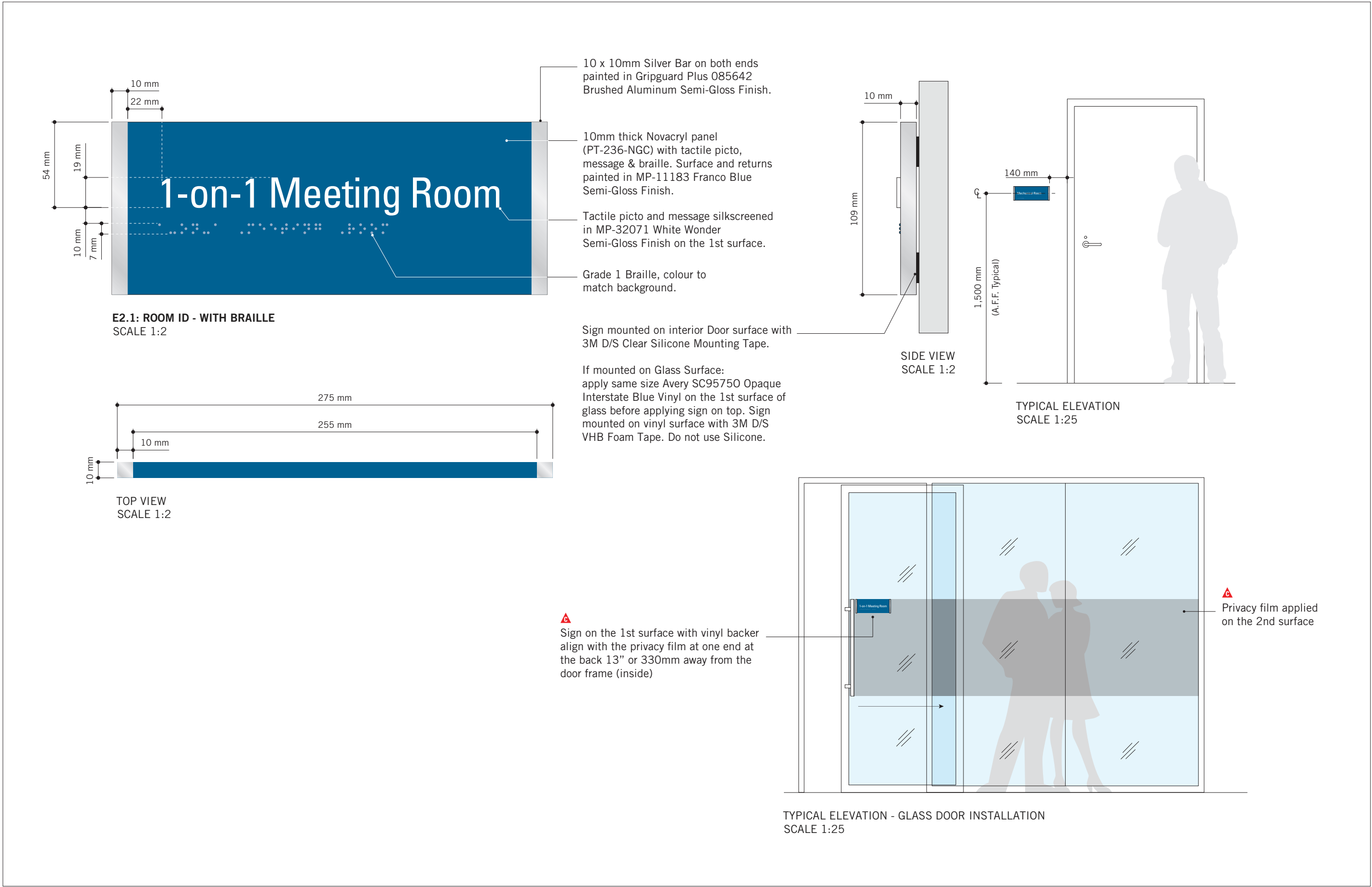
ISSUE  
A



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

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CITY OF TORONTO

Toronto

55 John ST.  
TORONTO, ON  
M5V 3C6

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ISSUES

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

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Toronto, ON M9W 0C9, Canada  
tel 416 679 1930  
www.arcadis.com

PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

GROUP 03 BUILDINGS

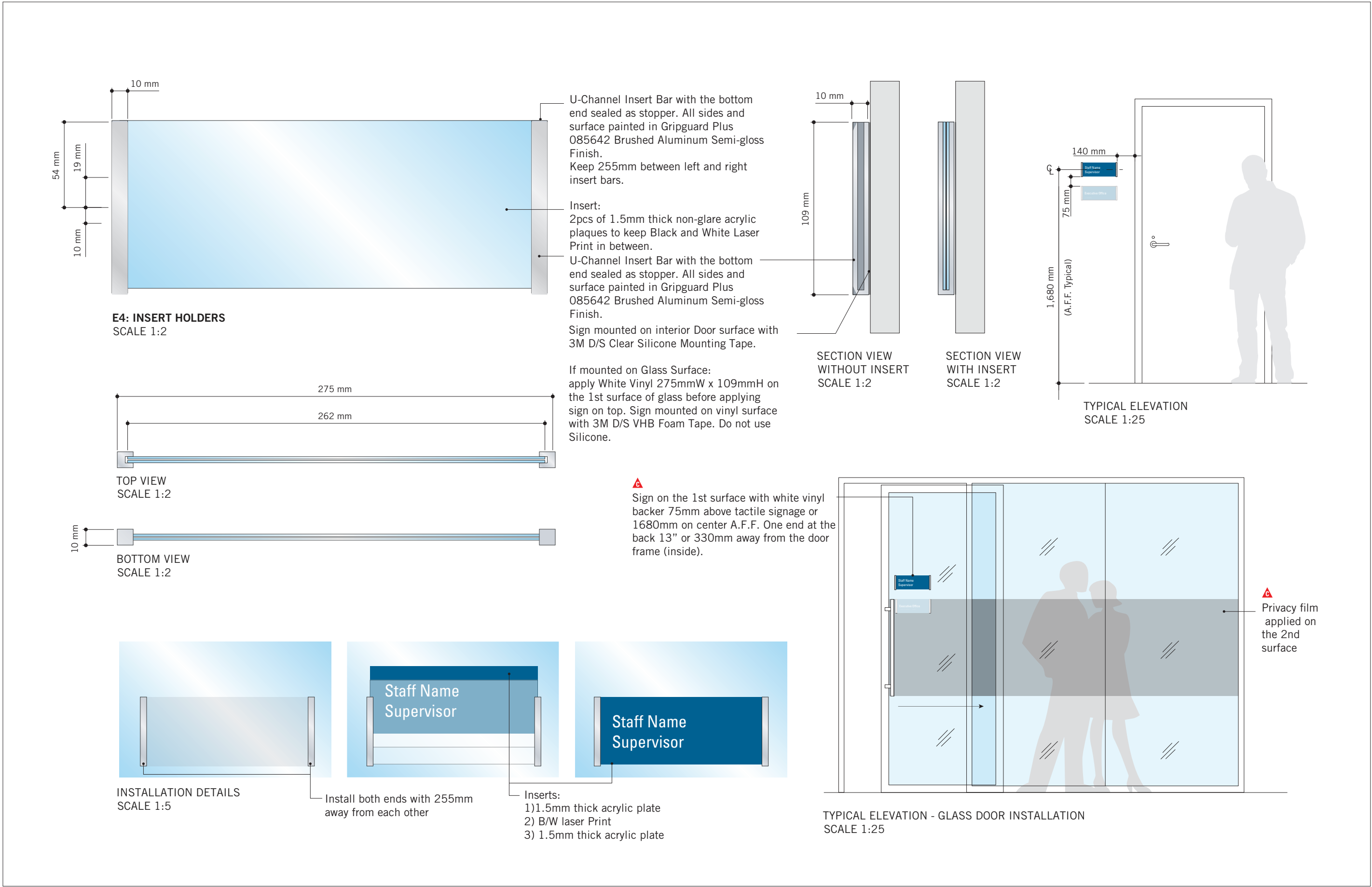
PROJECT NO:  
9119 – 19 – 0162 / Arcadis 30279056

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

SHEET TITLE

SIGNAGE & WAYFINDING  
DETAILS  
E2: ROOM ID

SHEET NUMBER D1903	ISSUE A
-----------------------	------------



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

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tel 416 679 1930  
[www.arcadis.com](http://www.arcadis.com)

PROJECT TITLE

**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

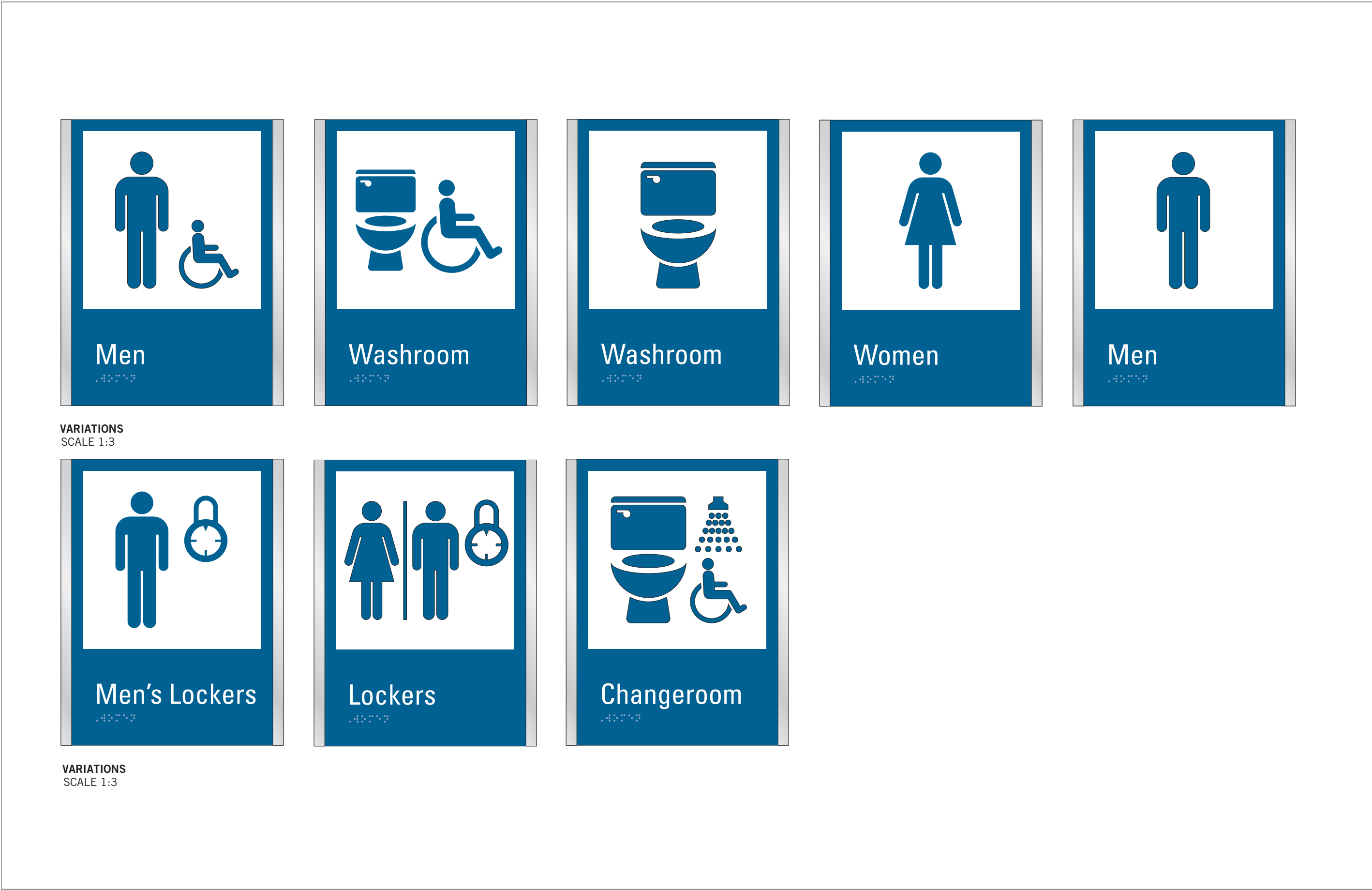
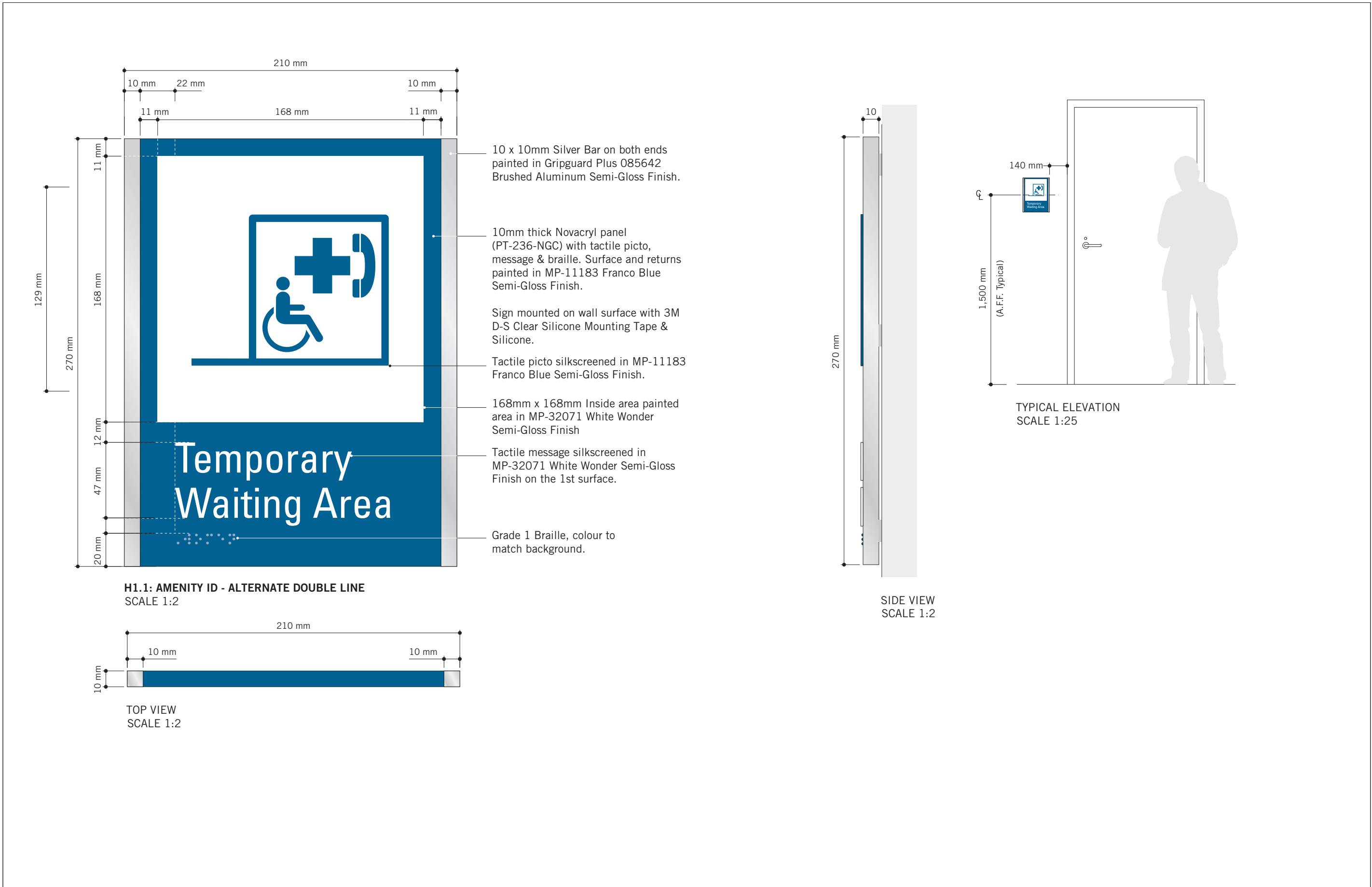
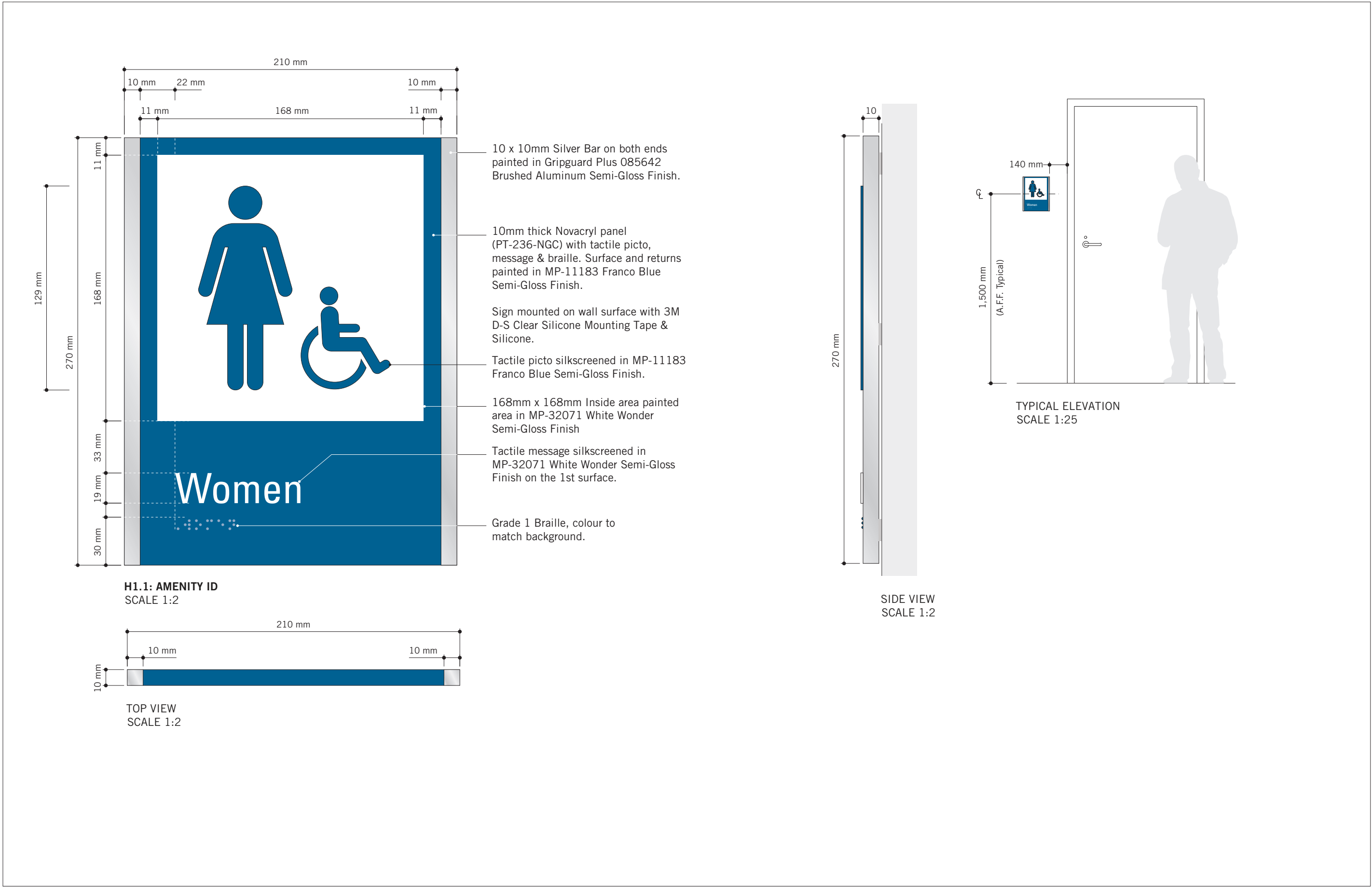
**GROUP 03 BUILDINGS**

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  
E4: INSERT HOLDER**

SHEET NUMBER	ISSUE
<b>D1904</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 03 BUILDINGS

PROJECT NO:  
9119 - 19 - 0162 / Arcadis 30279056

DRAWN BY:  
**M.LOW**

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

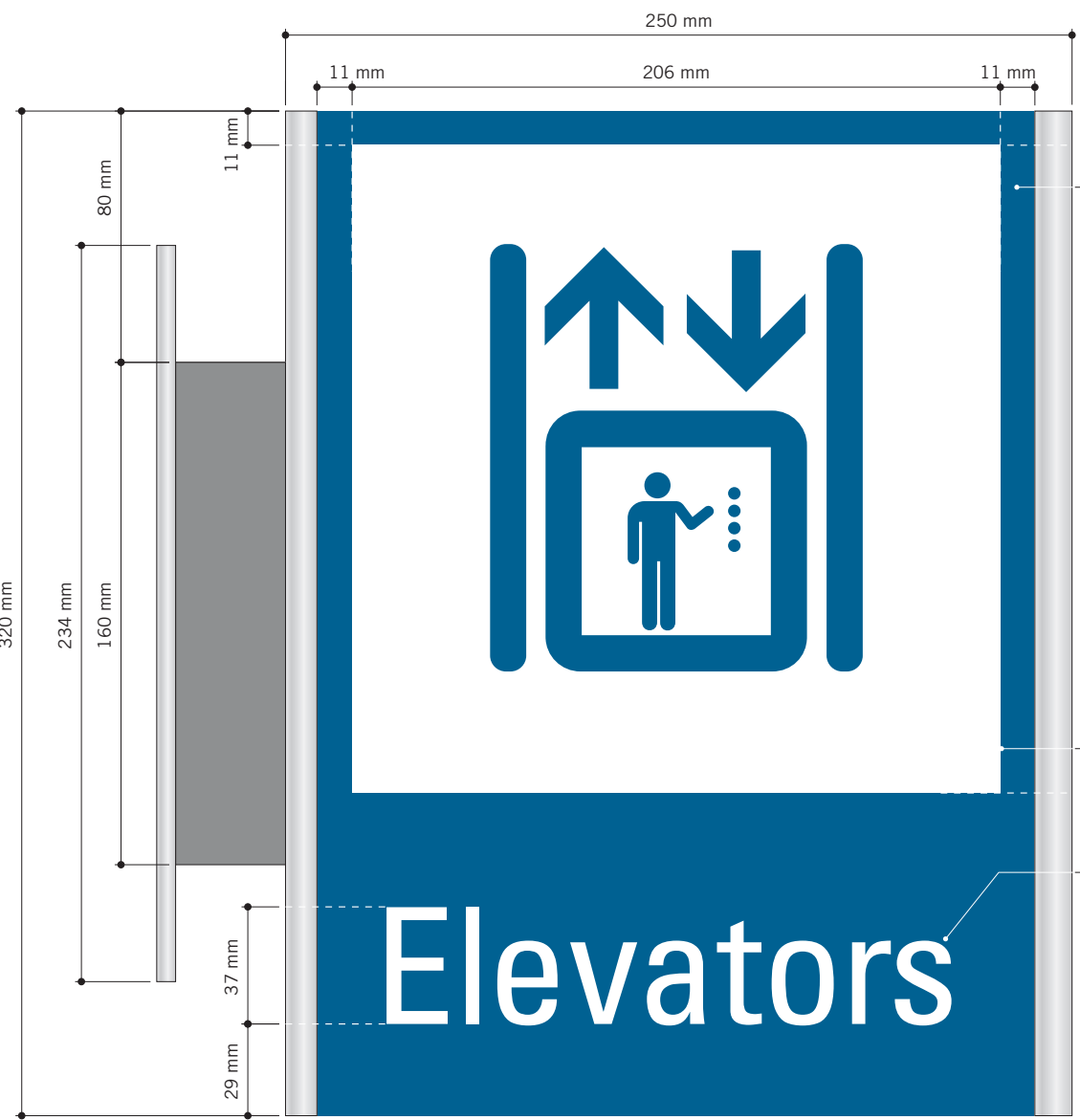
PROJECT MGR:  
**R. DALY**

APPROVED BY:

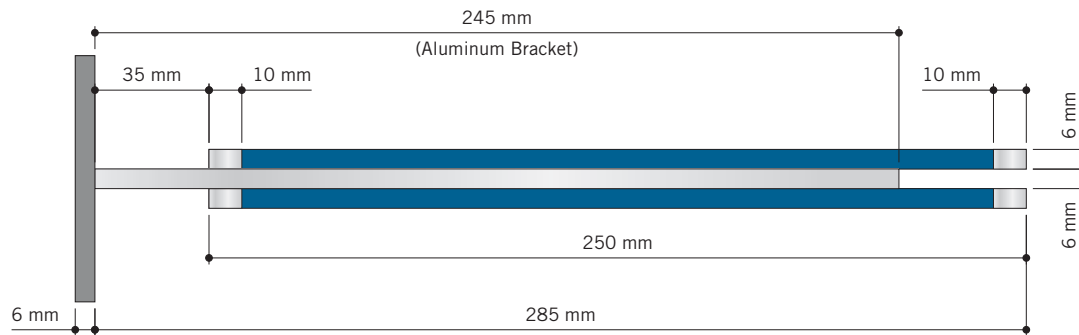
SHEET TITLE  
SIGNAGE & WAYFINDING  
DETAILS  
H1.1: AMENITY ID

SHEET NUMBER  
**D1905**

ISSUE  
**A**



H2.1: PROJECTING AMENITY ID  
SCALE 1:2



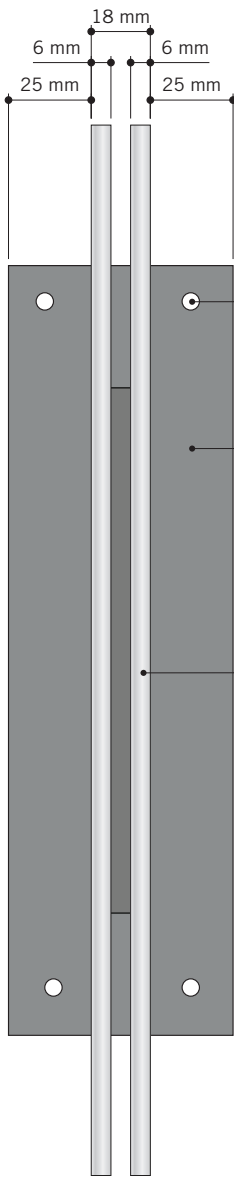
TOP VIEW  
SCALE 1:2

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

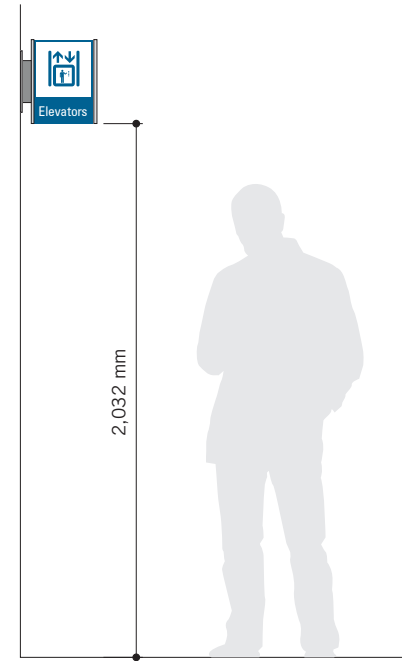
Vertical edges (10mm wide continued over top, bottom and vertical edges) painted in GripGuard Plus 085642 Brushed Aluminum Semi-Gloss Finish.

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

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



SIDE VIEW  
SCALE 1:2



TYPICAL ELEVATION  
SCALE 1:25

(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.  
C/W (2) grooves to accept aluminum support bracket - welded through plate.

(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 03 BUILDINGS

PROJECT NO:  
9119 - 19 - 0162 / Arcadis 30279056

DRAWN BY:  
**M.LOW**

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

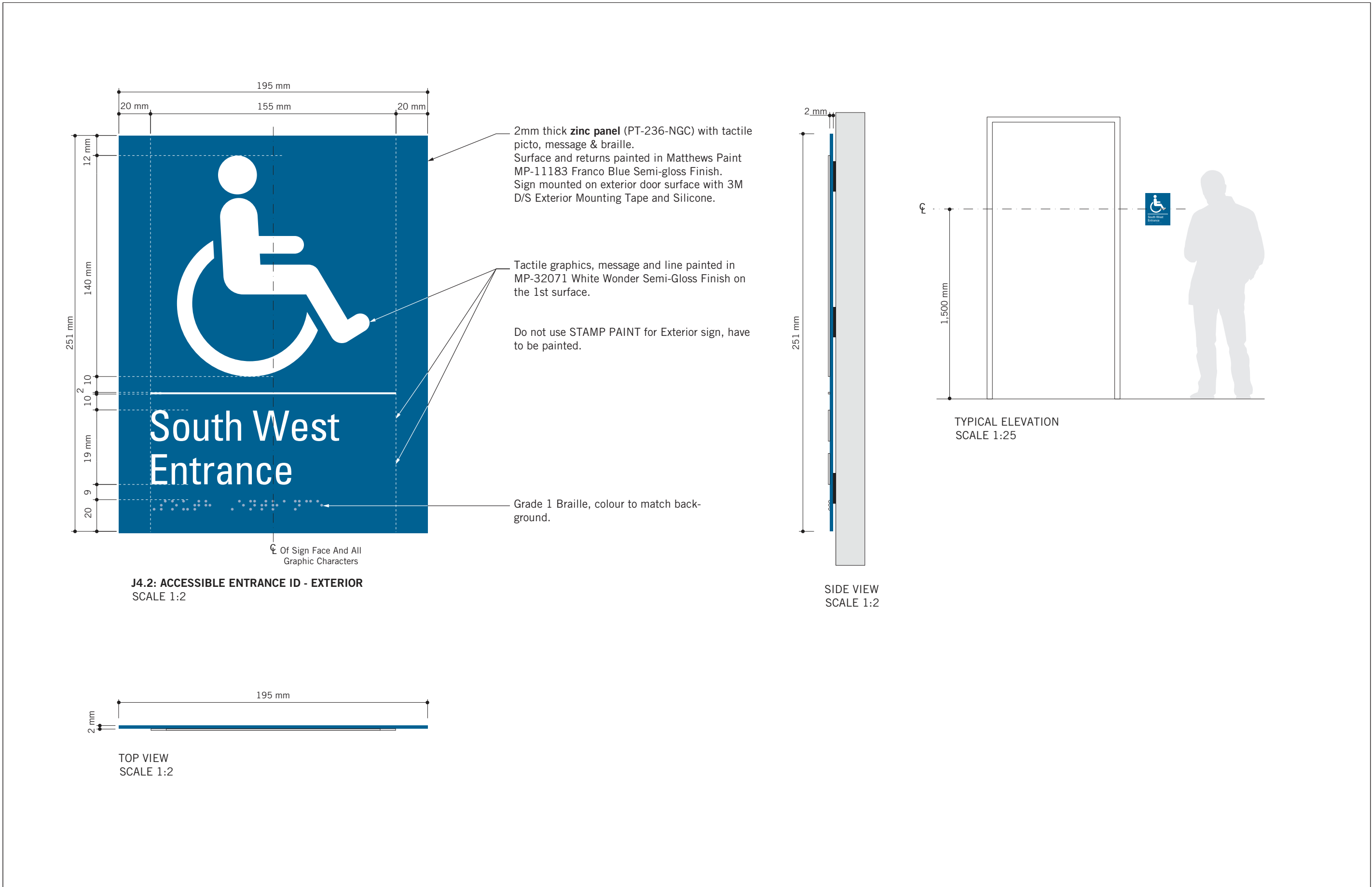
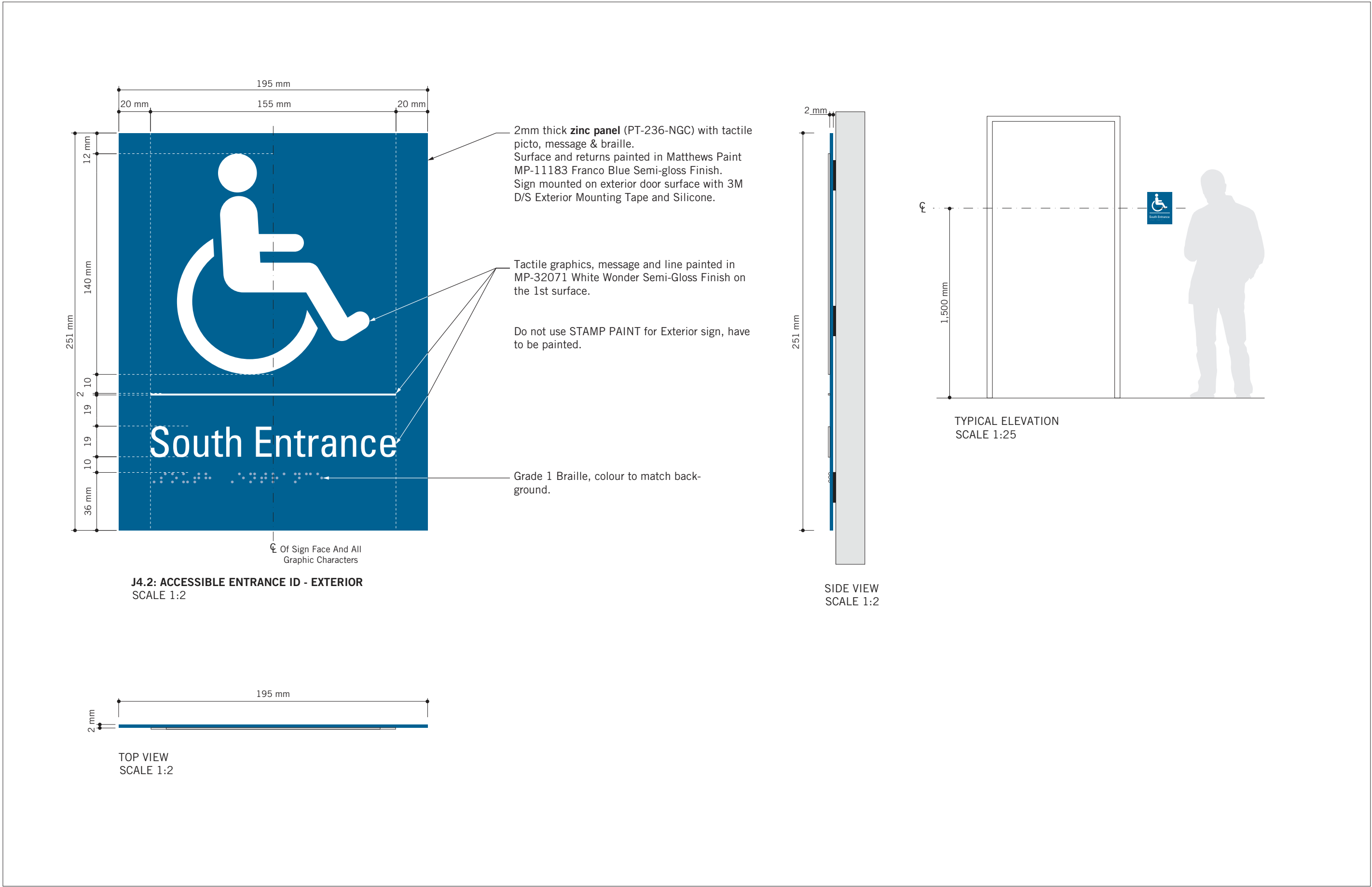
PROJECT MGR:  
**R. DALY**

APPROVED BY:

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

SHEET NUMBER  
**D1906**

ISSUE  
**A**



VARIATIONS  
SCALE 1:3



VARIATIONS  
SCALE 1:3

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

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tel 416 679 1930  
[www.arcadis.com](http://www.arcadis.com)

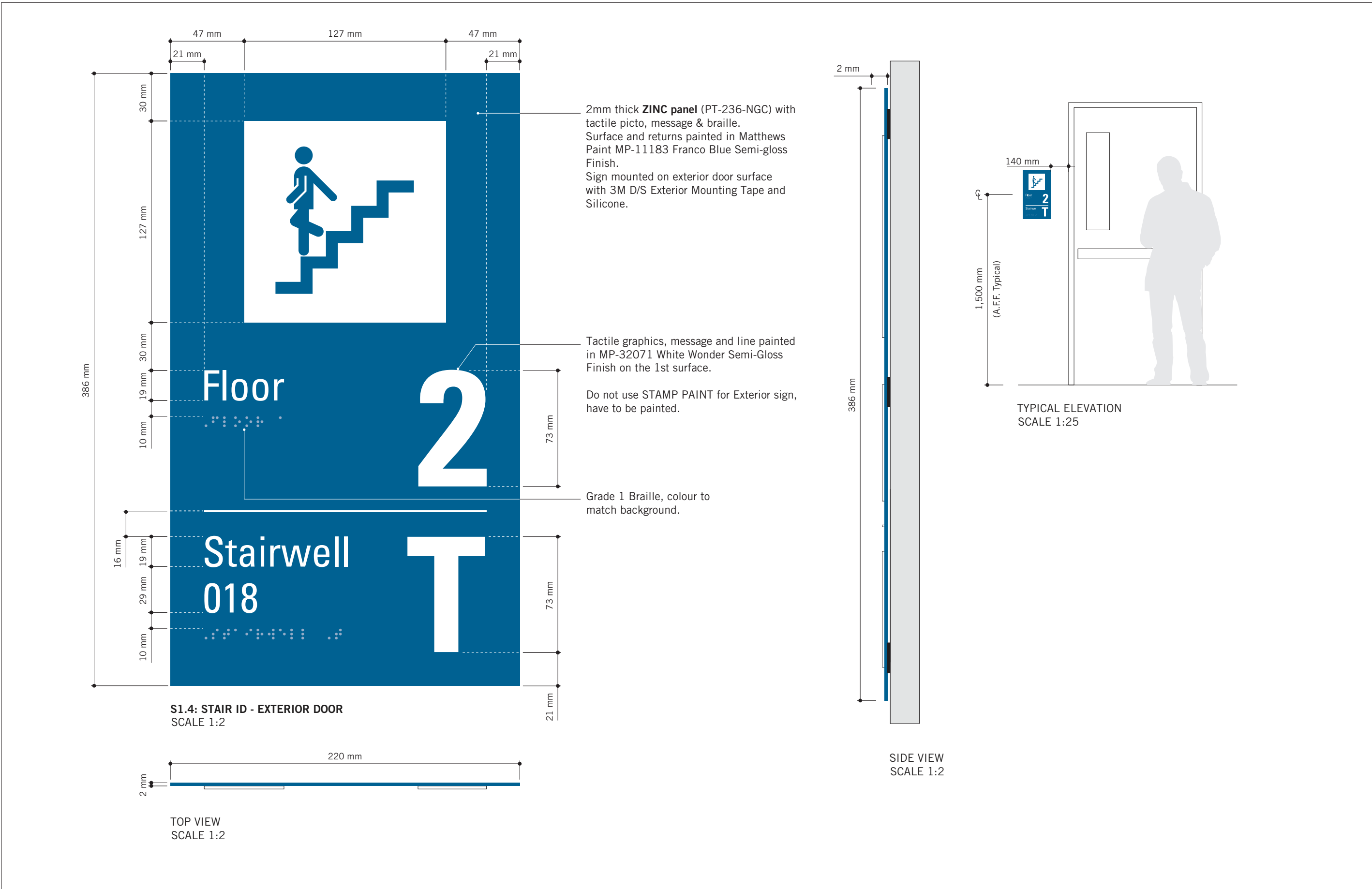
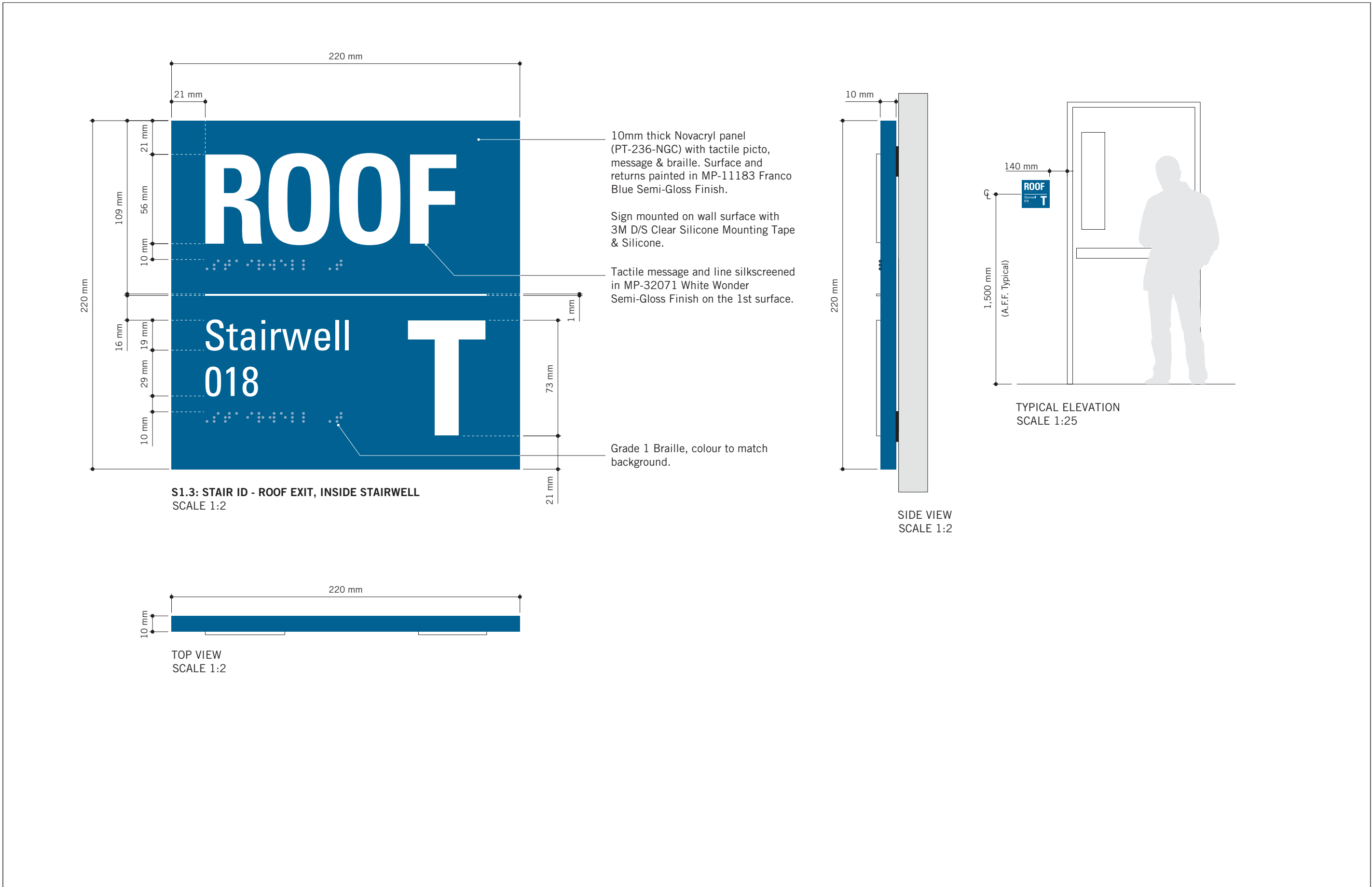
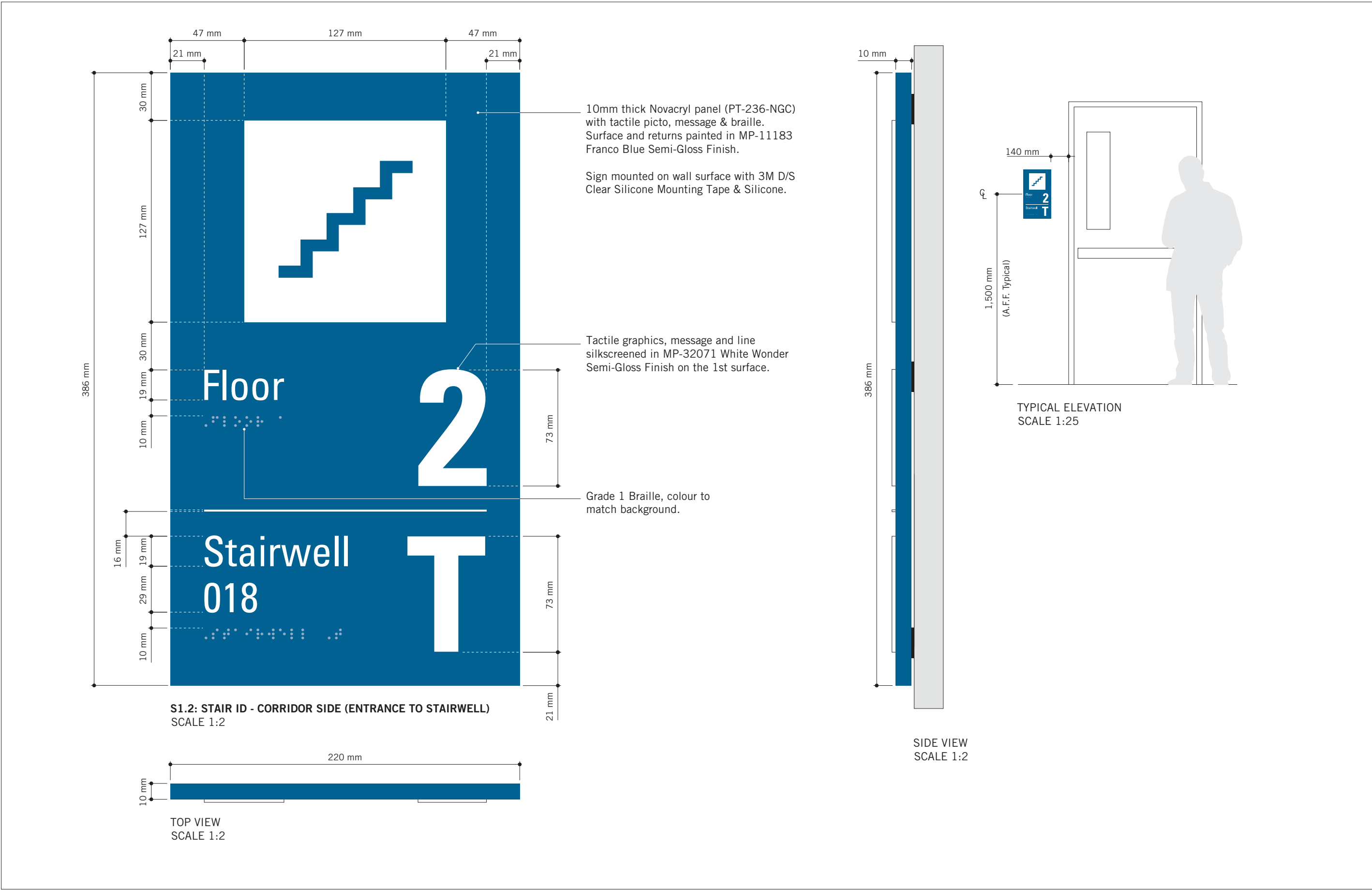
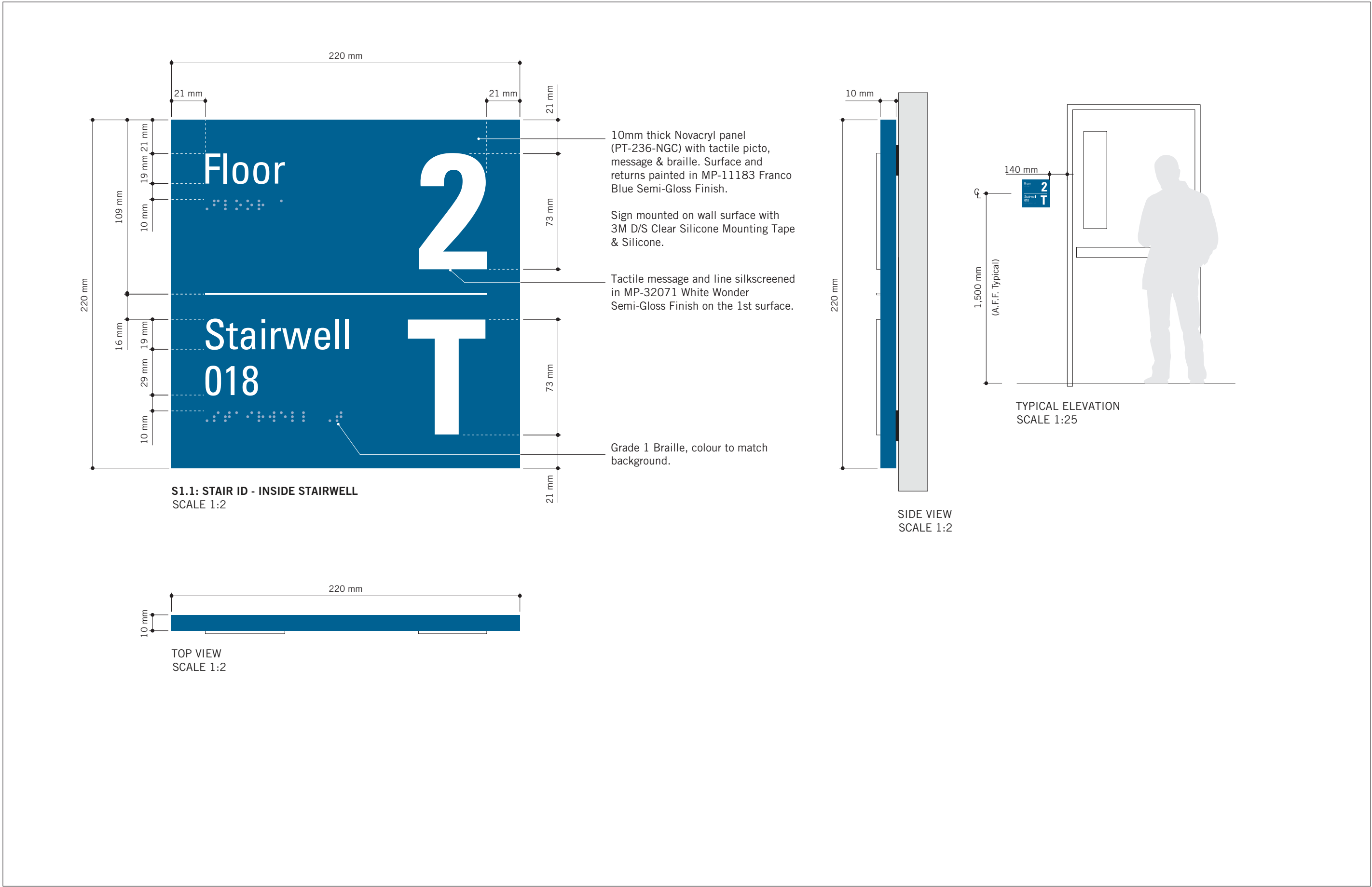
PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS  
**GROUP 03 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>
------------------------------	-------------------



CITY OF TORONTO

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ISSUES

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

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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

GROUP 03 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  
S1: STAIR ID

SHEET NUMBER

D1908

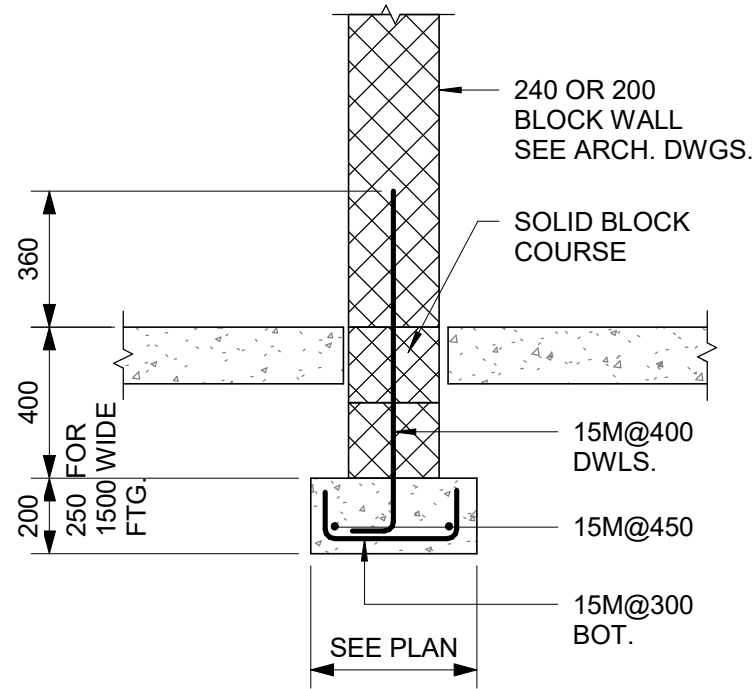
ISSUE

A

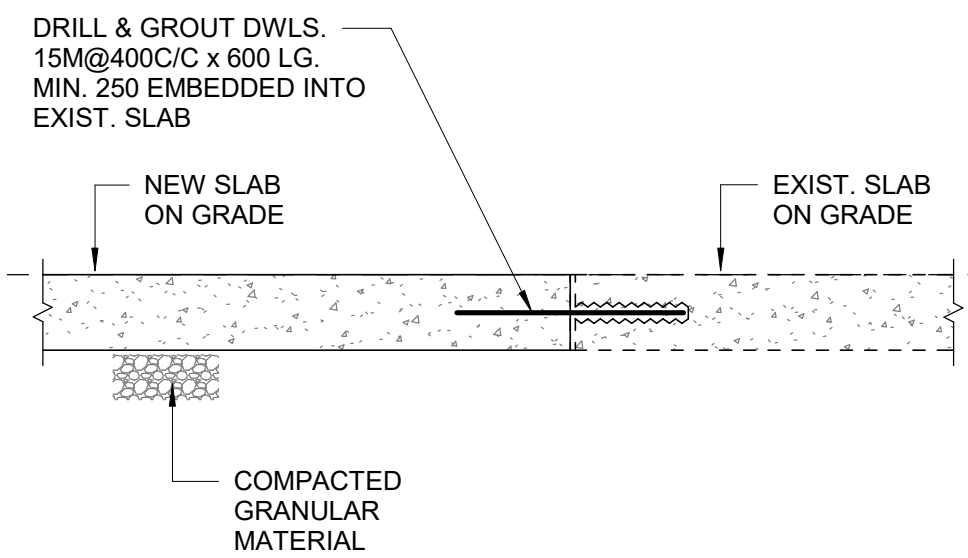
C:\Users\ana.boyanlian\Desktop\TAU-G31-100 QUEEN ST WEST - CITY HALL.rvt

SCALE CHECK

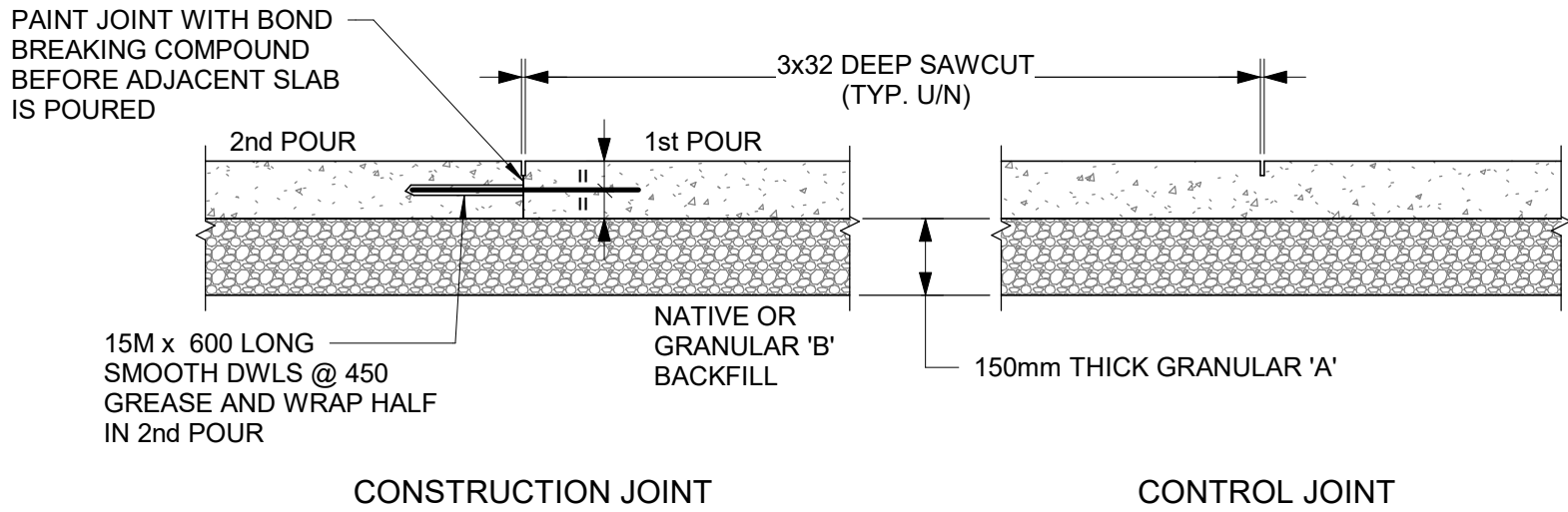
1 of 1



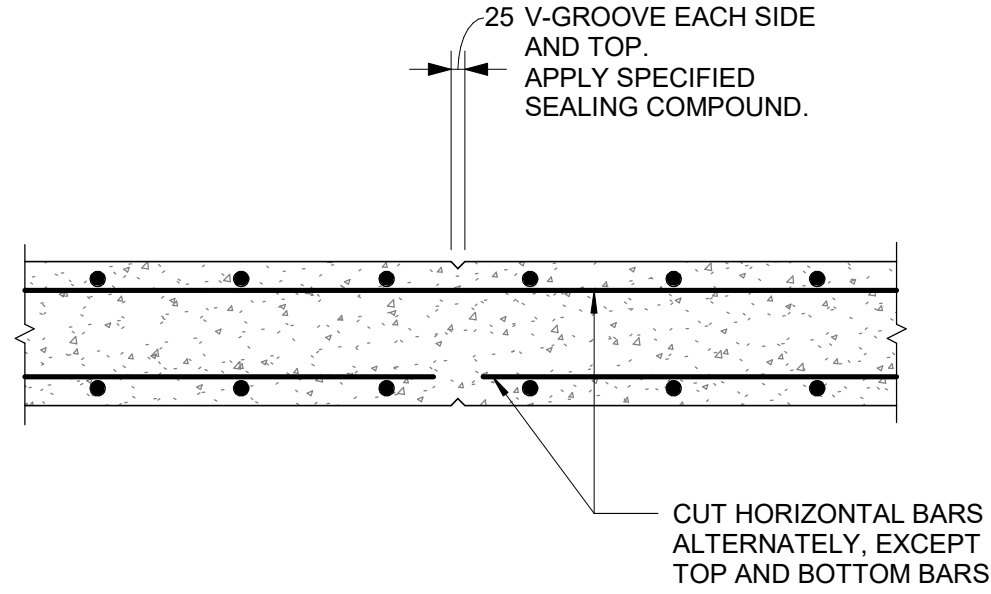
1 INTERIOR FOUNDATION WALL  
D2100 Scale: NTS



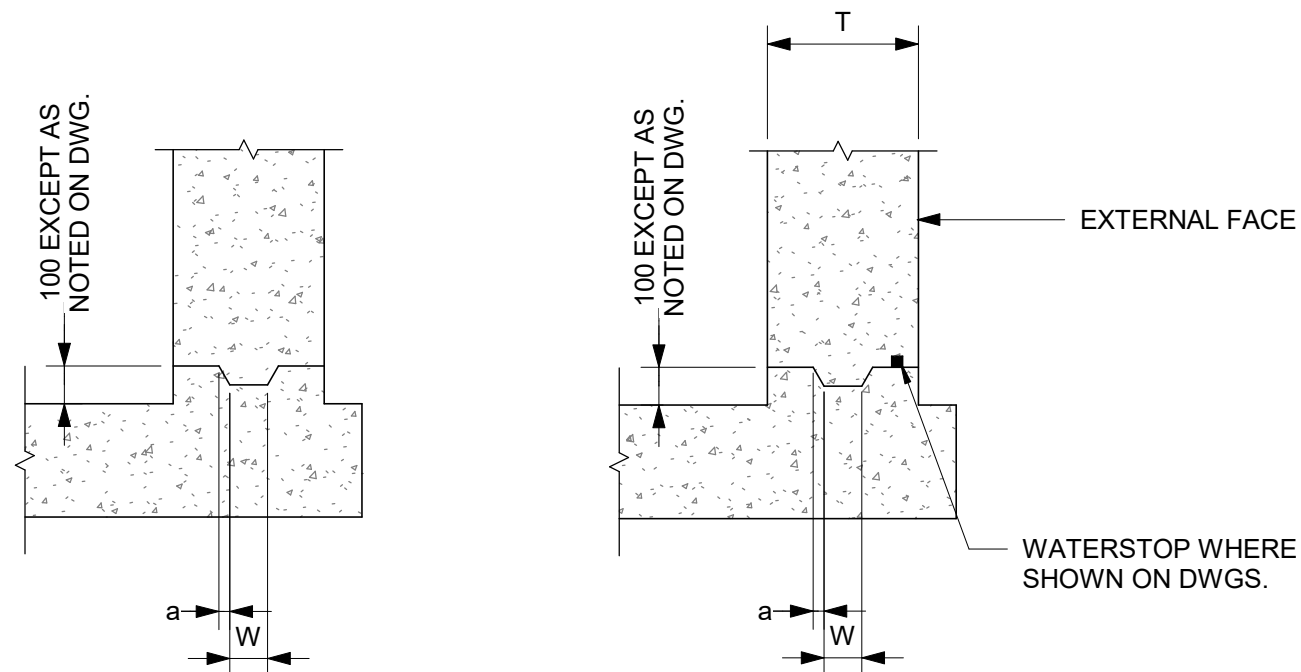
2 NEW SLAB CONNECTION TO EXISTING SLAB  
D2100 Scale: NTS



3 SLAB ON GRADE  
D2100 Scale: NTS



4 RETAINING WALL CONTROL JOINT  
D2100 Scale: 1 : 20

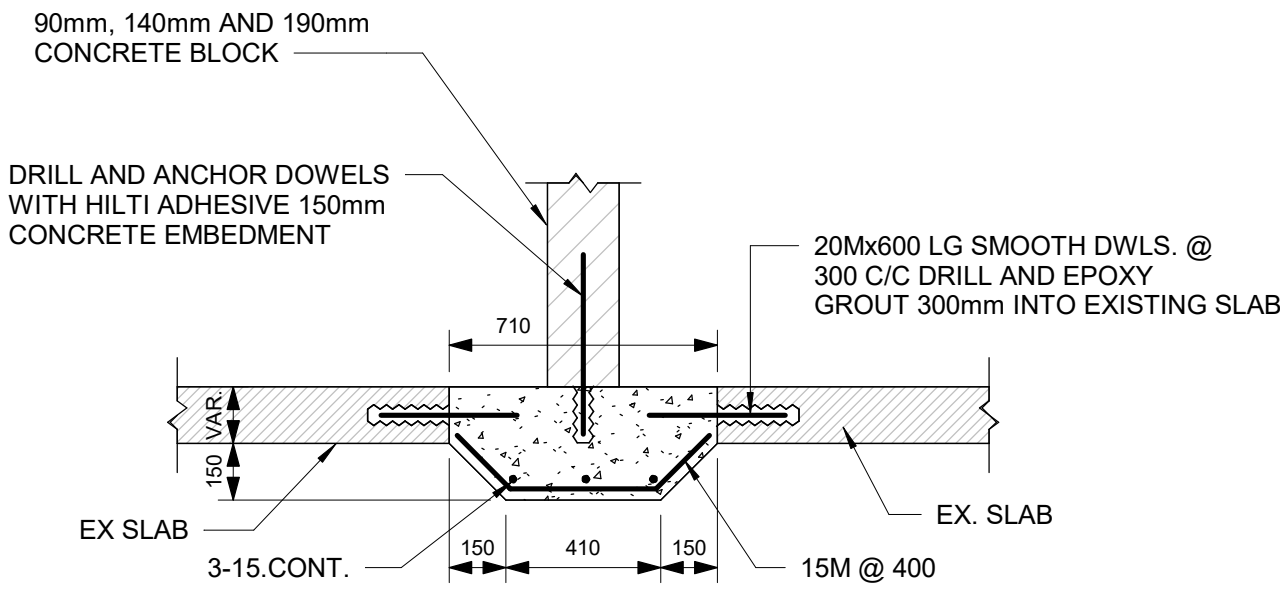


TYPE 1

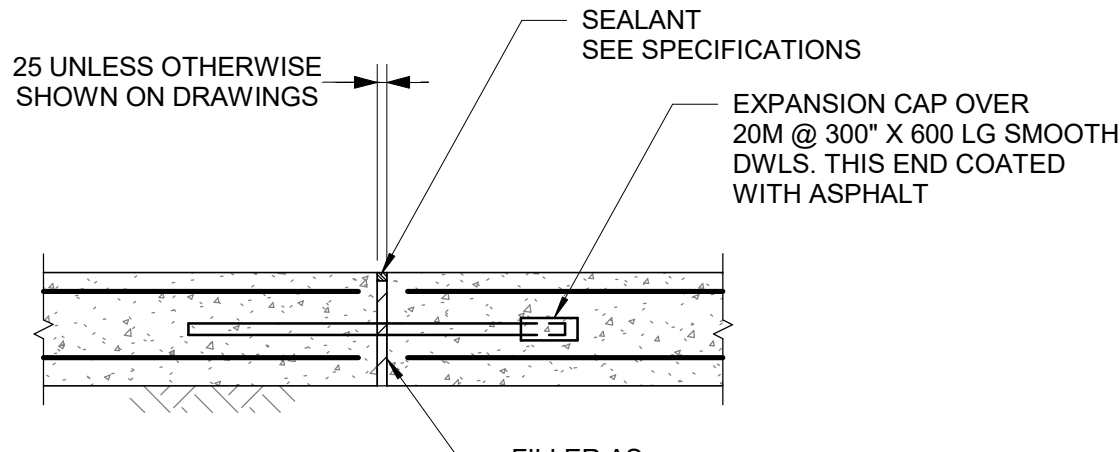
TYPE 1WS

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

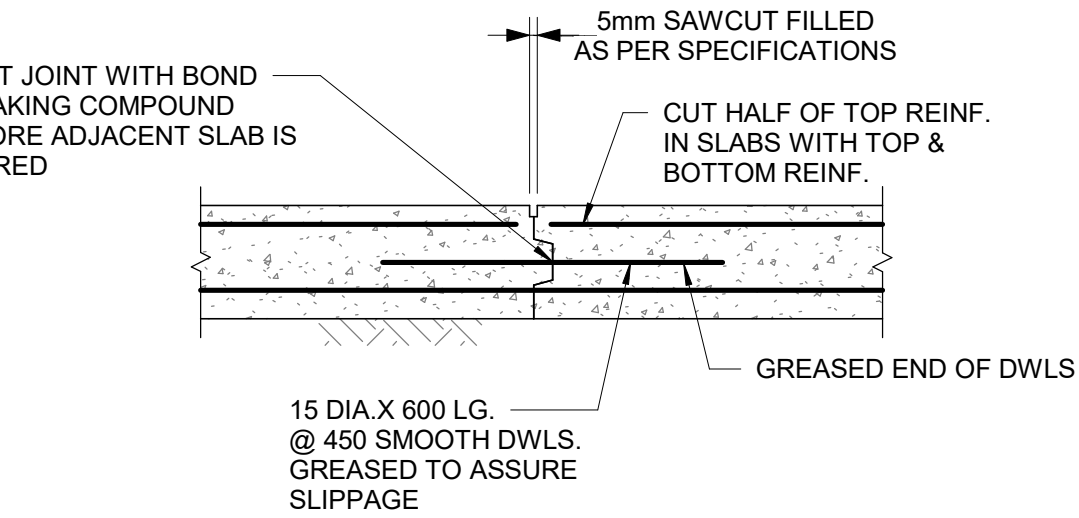
5 TYPICAL CONSTRUCTION JOINT AT EXTERIOR WALL  
D2100 Scale: 1 : 20



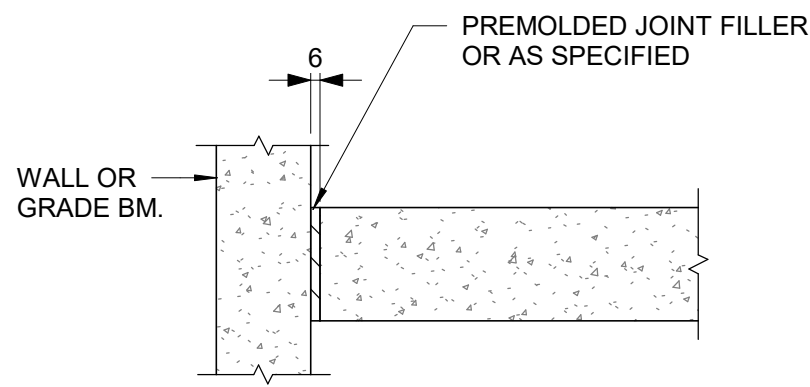
6 BLOCK WALL SLAB - THICKENING AT EXISTING SLAB  
D2100 Scale: 1 : 20



EXPANSION JOINTS

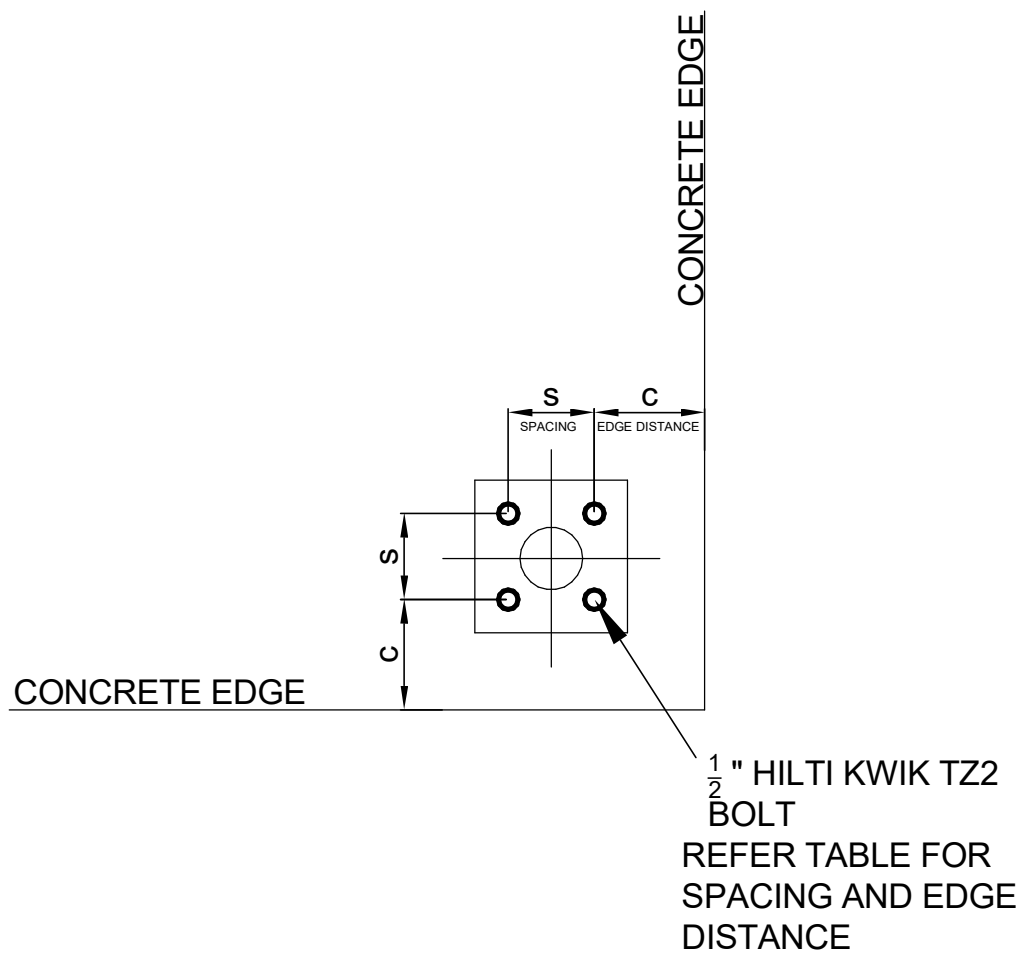


CONTROL JOINT



ISOLATION JOINT

7 FLOOR JOINTS  
D2100 Scale: 1 : 20



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 TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

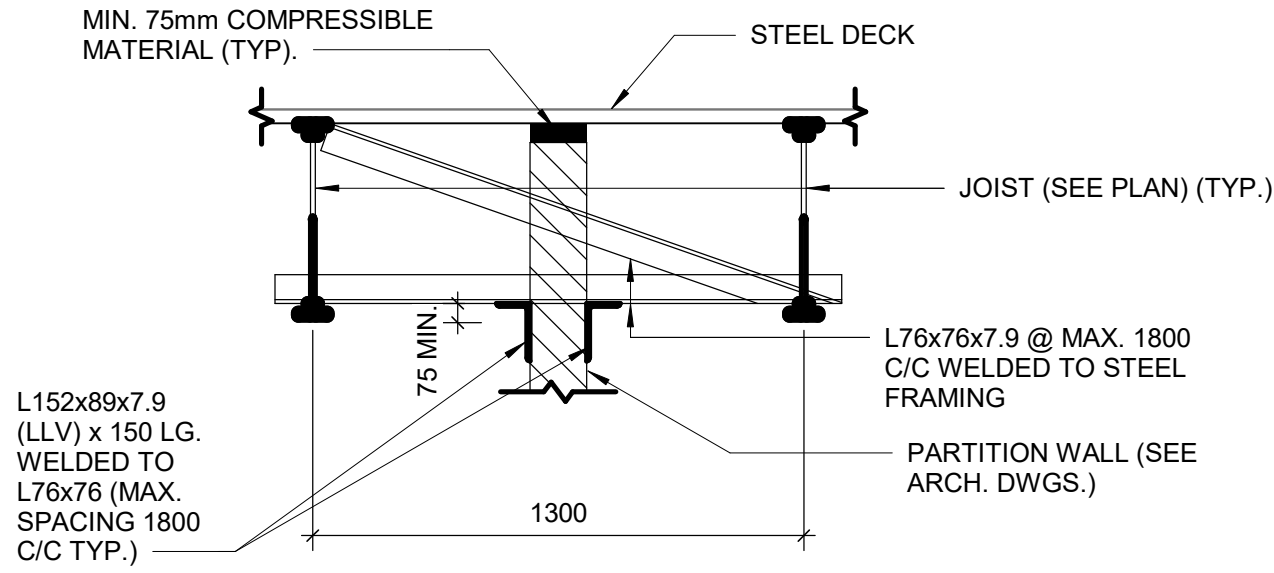
PROJECT ADDRESS

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

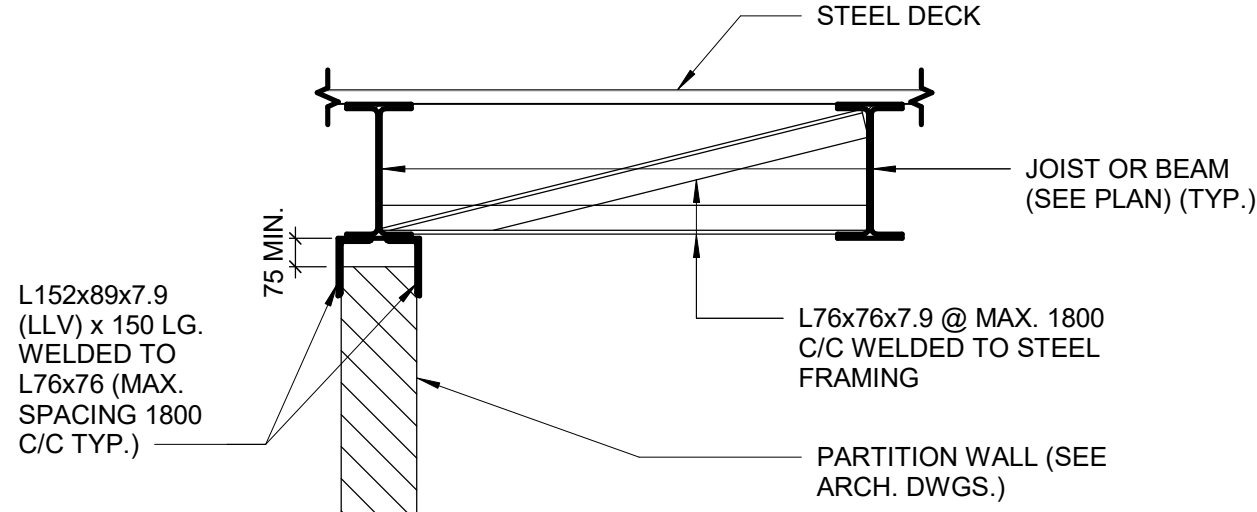
SHEET TITLE  
**CONCRETE TYPICAL  
DETAILS**

SHEET NUMBER  
**G03-D2100**  
ISSUE  
**E**

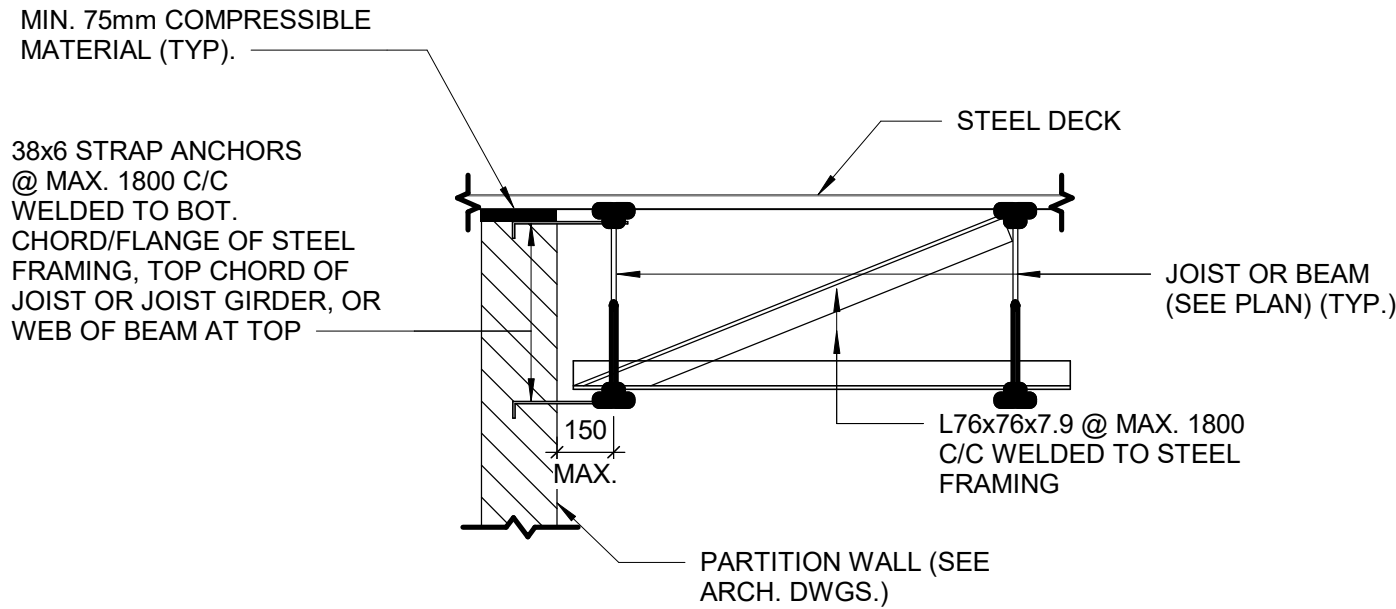
4/29/2025 11:45:10 AM



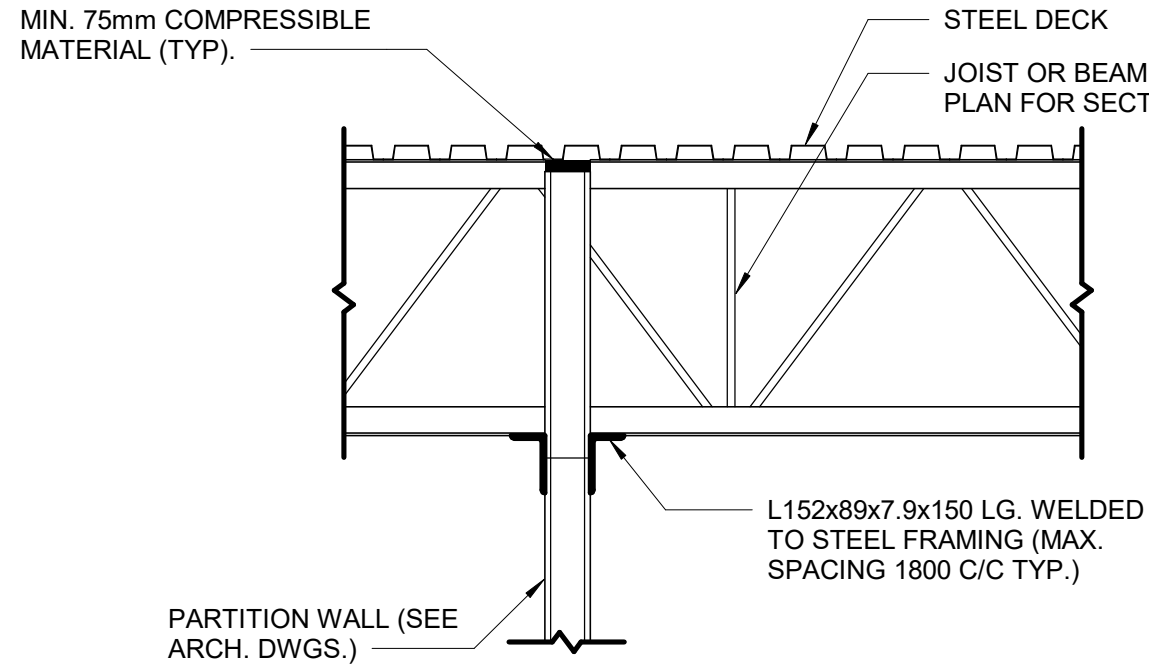
1 PARTITION WALL BETWEEN JOIST  
D2200 Scale: 1 : 20



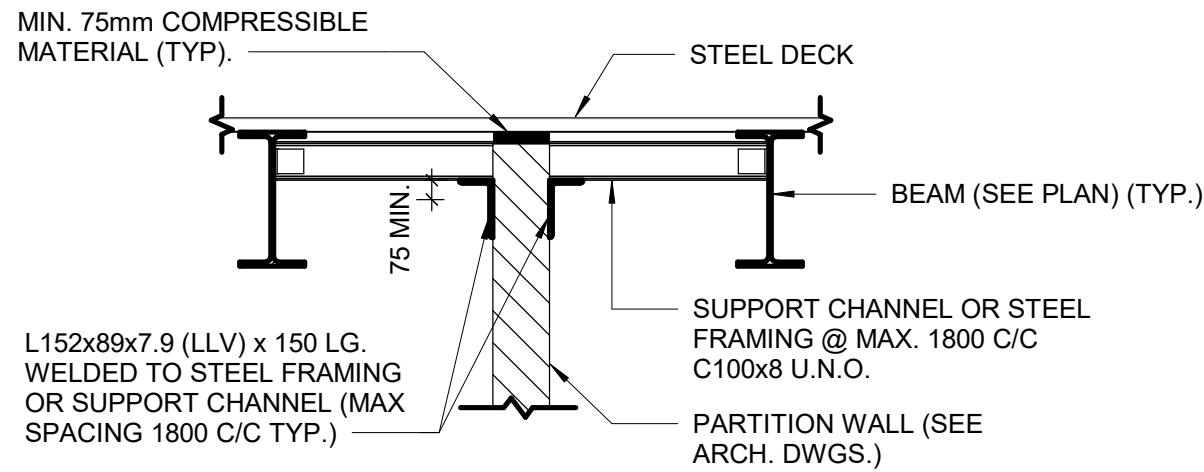
2 PARTITION WALL PARALLEL TO AND CENTERED ON JOIST OR BEAM  
D2200 Scale: 1 : 20



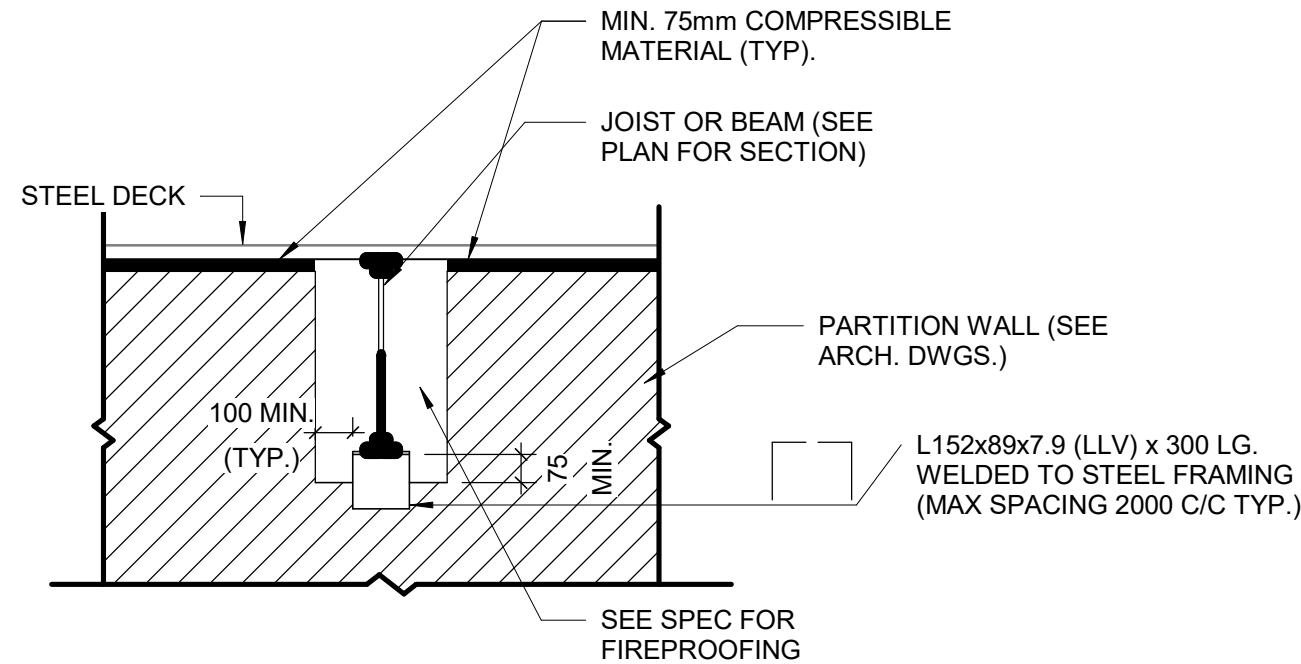
3 PARTITION WALL PARALLEL TO JOISTS OR BEAM  
D2200 Scale: 1 : 20



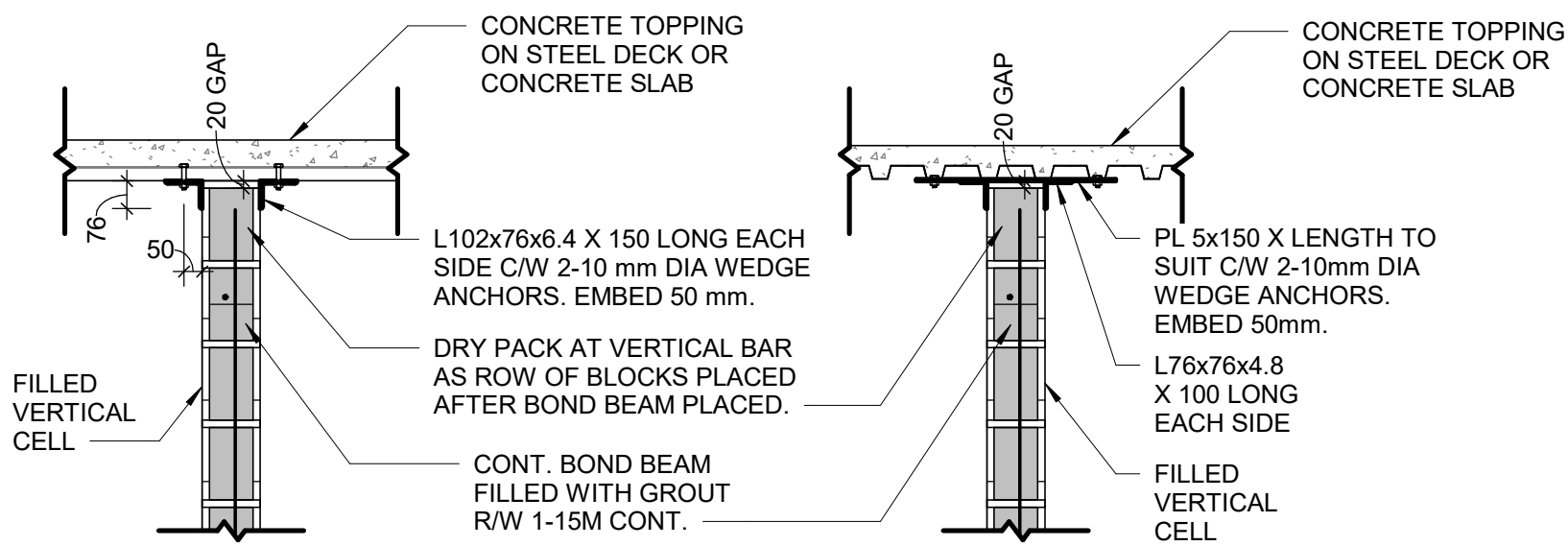
4 PARTITION WALL PERPENDICULAR TO JOIST OR BEAM  
D2200 Scale: 1 : 20



5 PARTITION WALL BETWEEN BEAMS  
D2200 Scale: 1 : 20

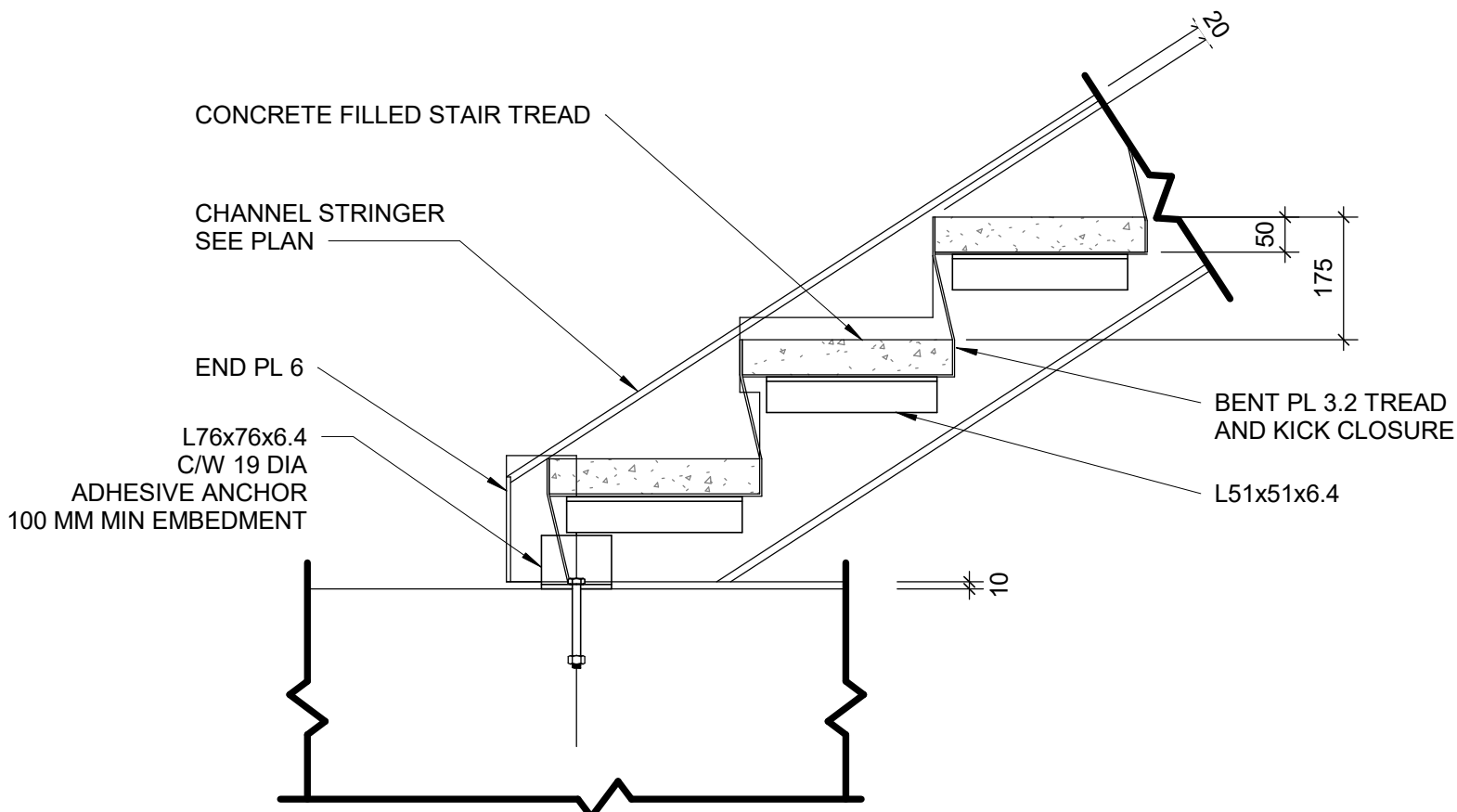


6 PARTITION PERPENDICULAR TO JOIST OR BEAMS  
D2200 Scale: 1 : 20

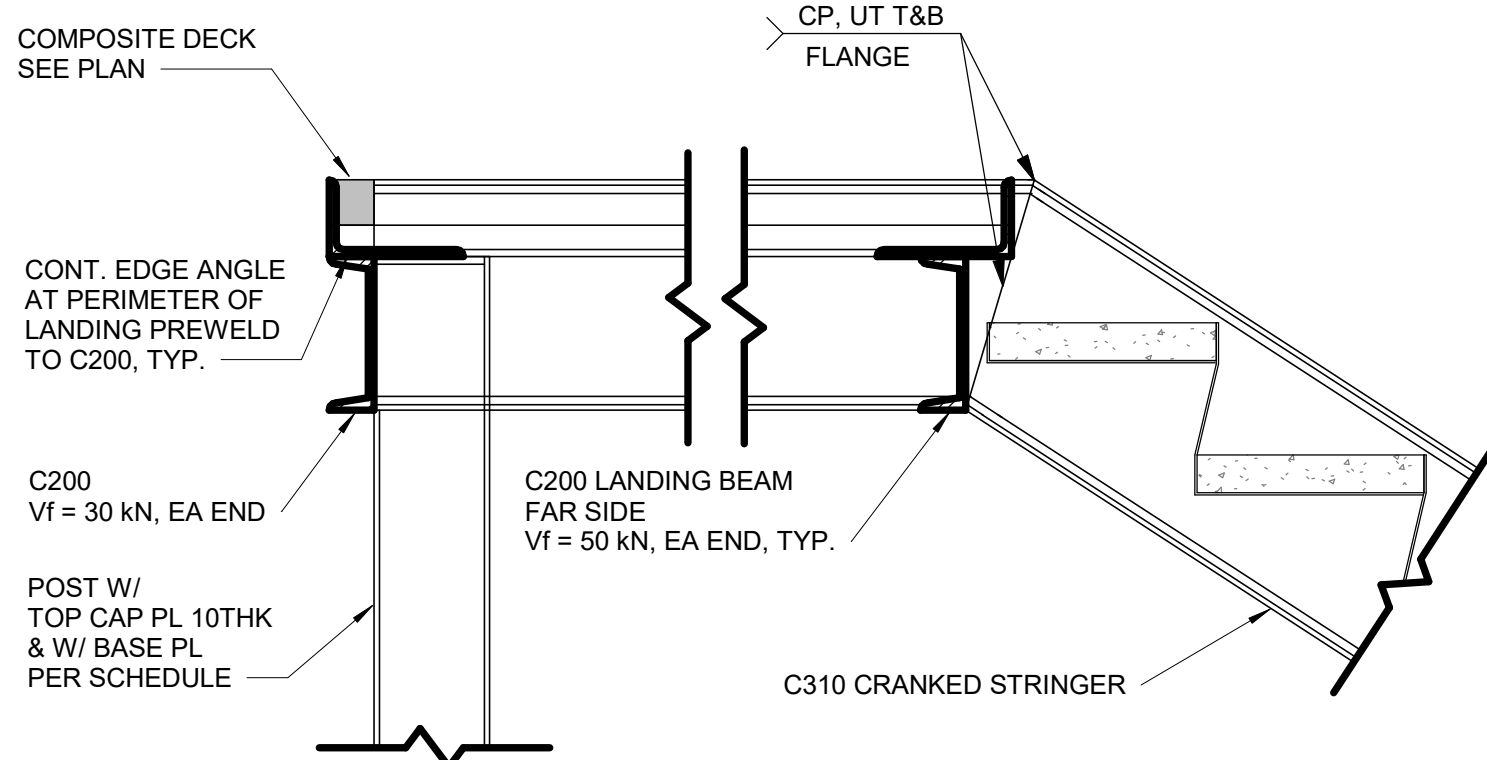


NOTES:  
1. ALL CONNECTIONS TO BE AT FILLED VERTICAL CELLS AT 1200 mm O/C MAXIMUM UNLESS NOTED OTHERWISE.  
2. FIELD WELD ANGLES TO EMBEDDED PLATE.

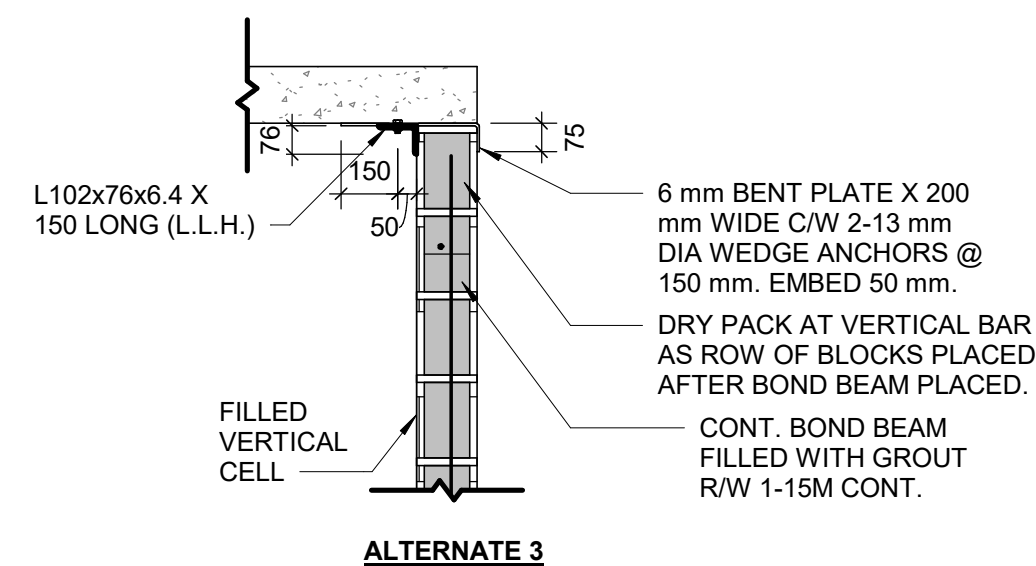
7 SUPPORT DETAIL AT TOP OF BLOCK WALL  
D2200 Scale: 1 : 20



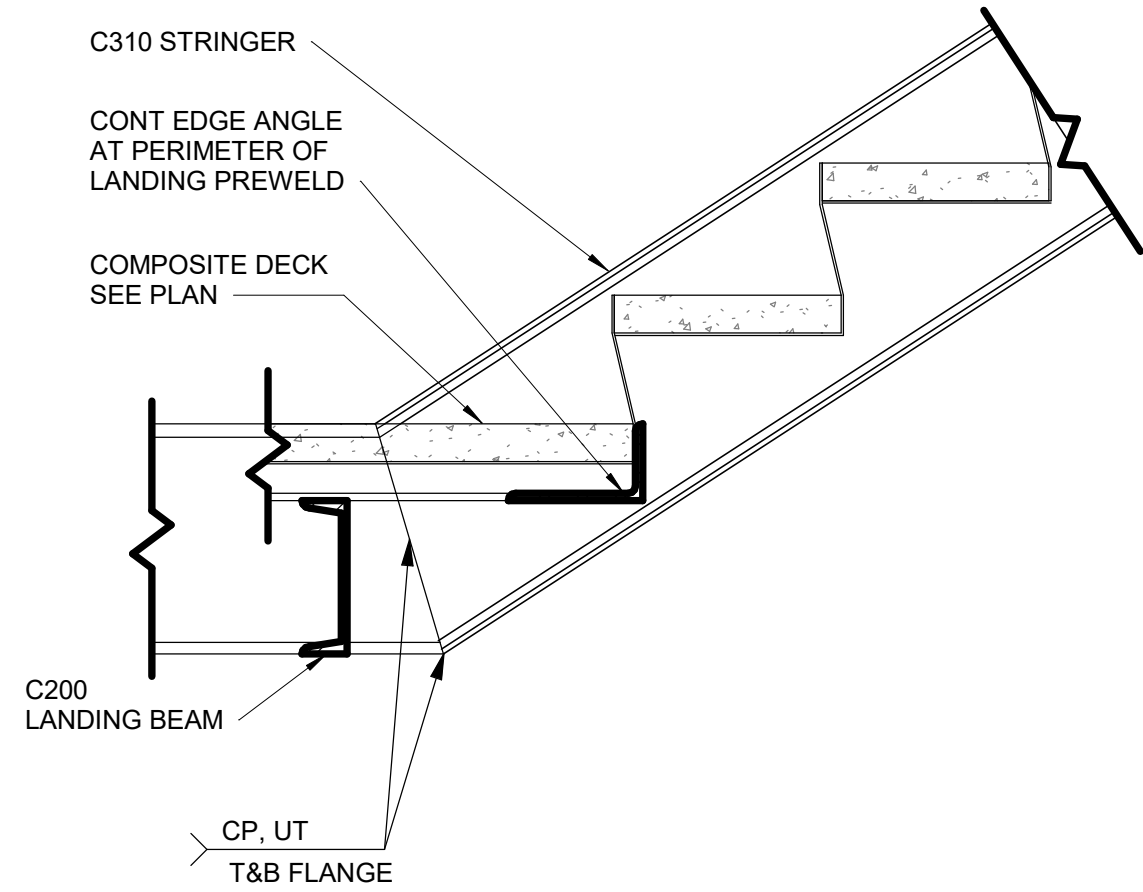
8 TYPICAL SLAB UNDER STRINGER  
D2200 Scale: 1 : 10



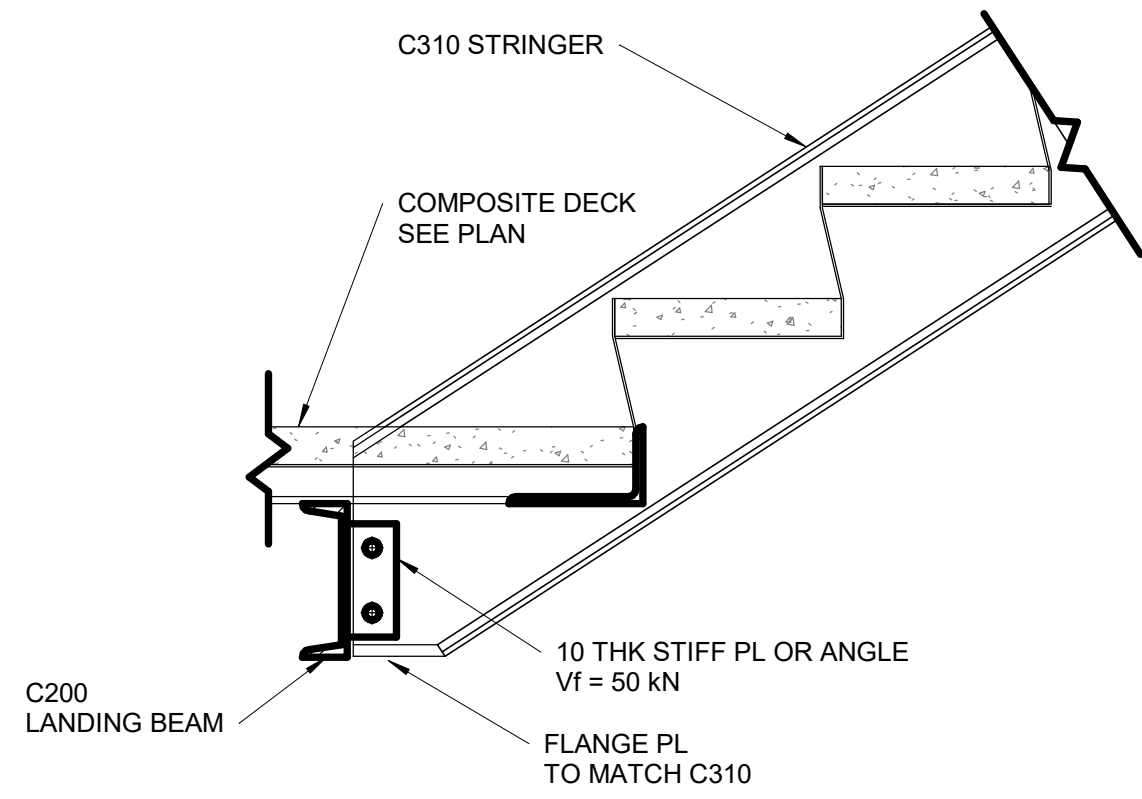
9 TYPICAL SECTION AT UPPER LANDING STRINGER  
D2200 Scale: 1 : 10



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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Arcadis Professional Services (Canada) Inc.

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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**ARCADIS**

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tel 416 679 1930  
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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 STEEL  
DETAILS - 1**

SHEET NUMBER

**G03-D2200**

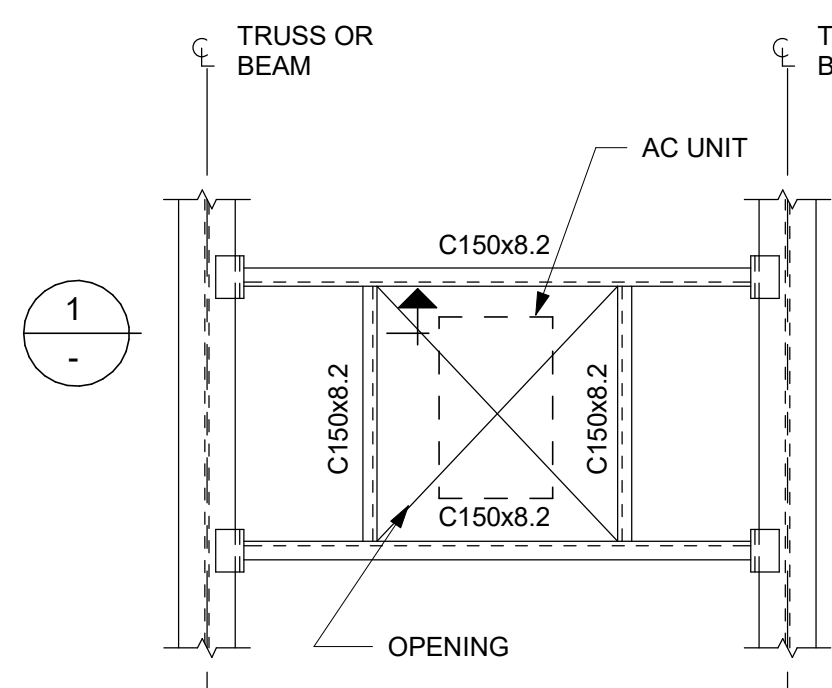
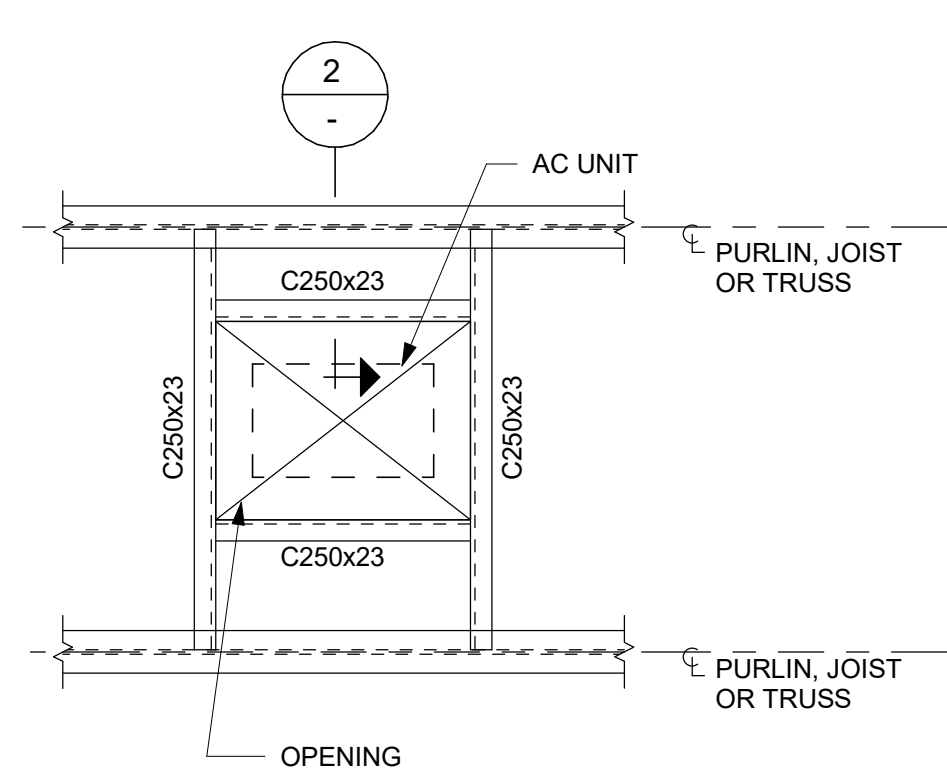
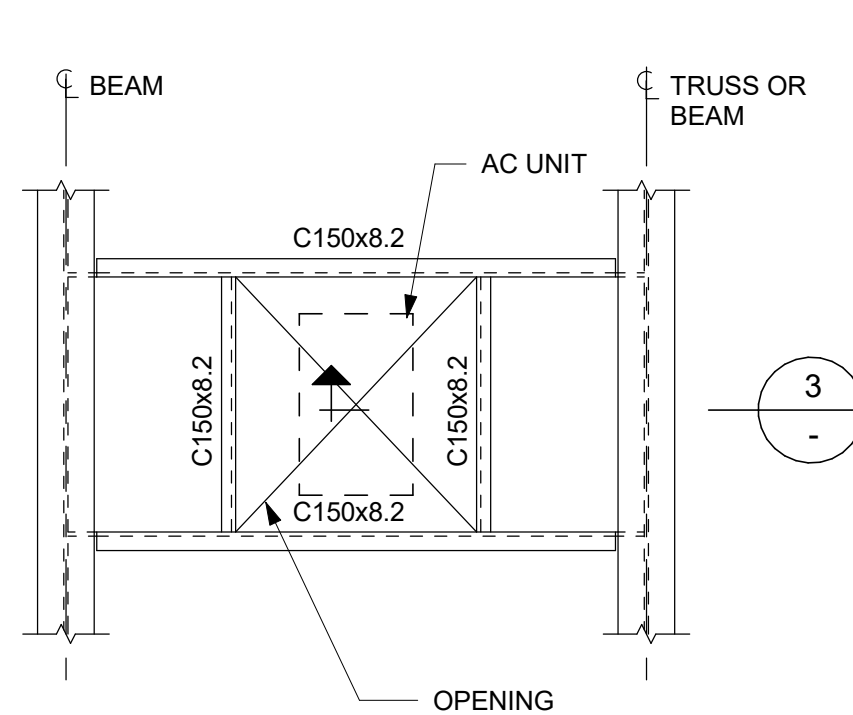
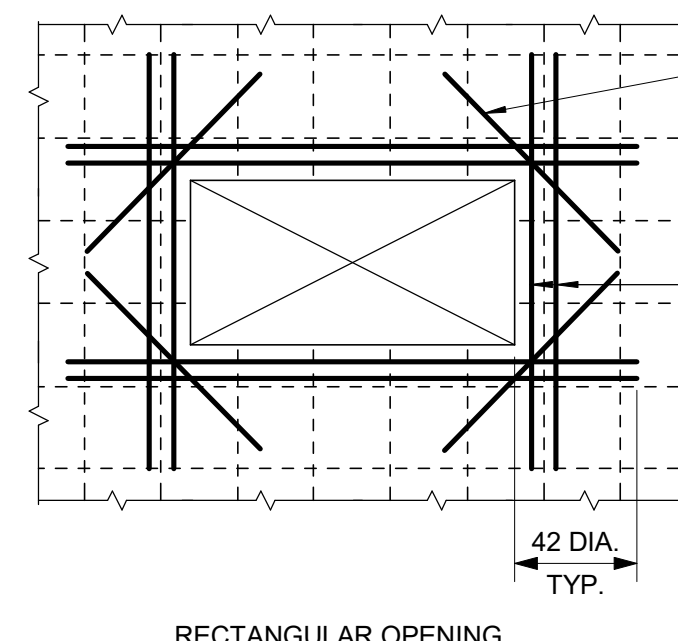
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**E**

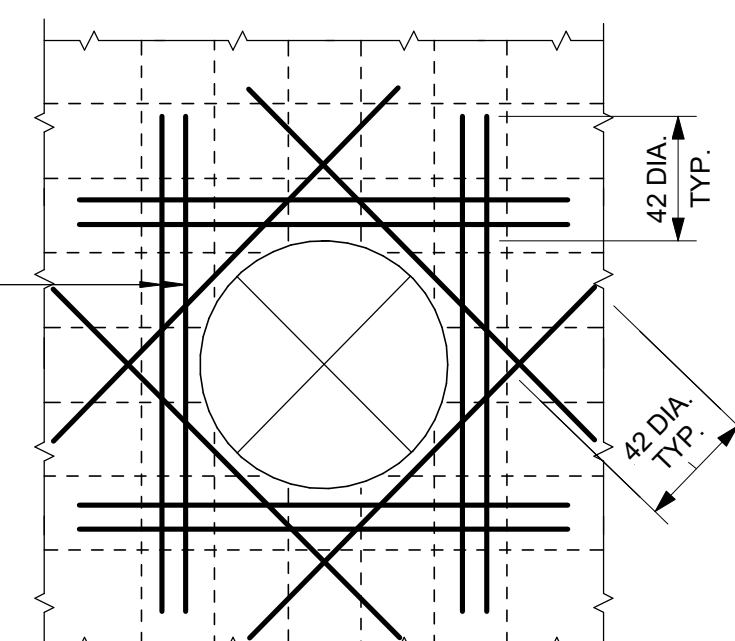
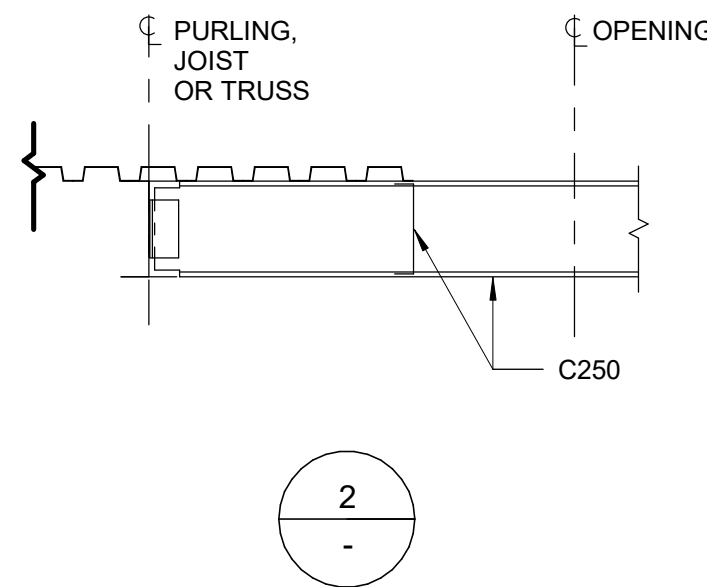
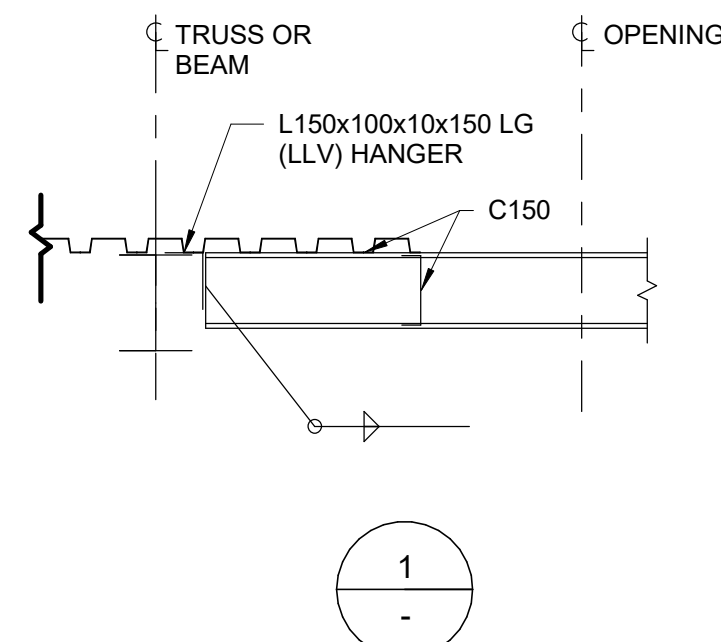
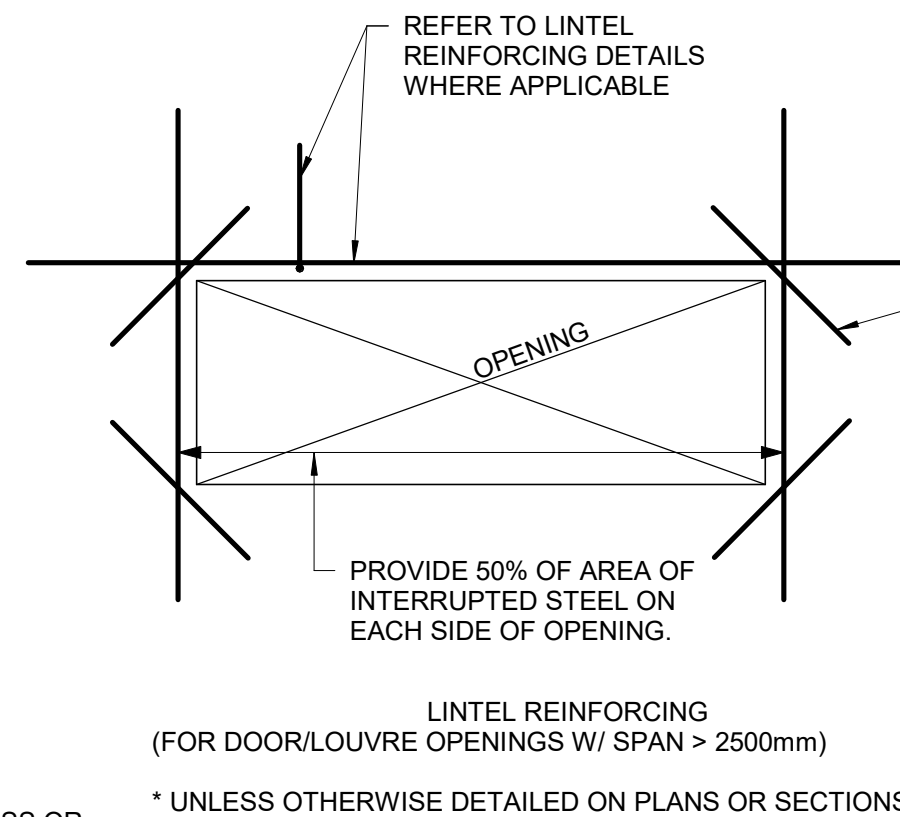
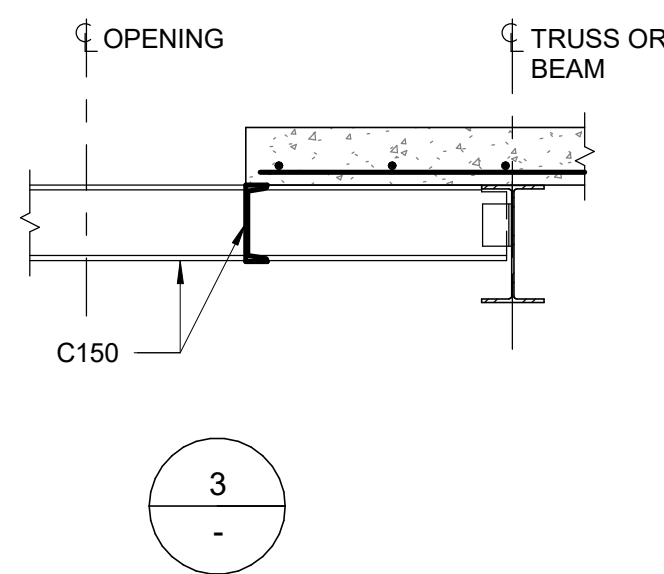
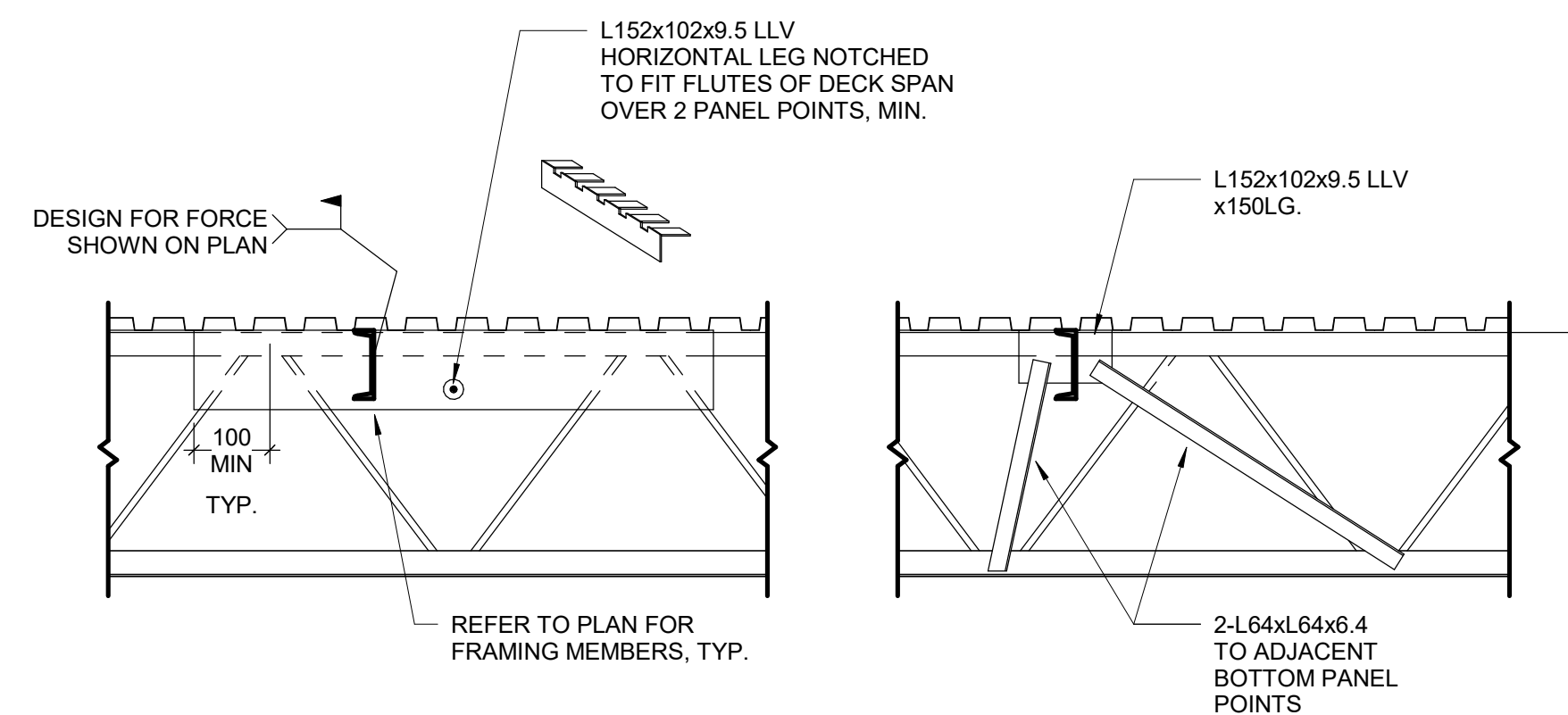
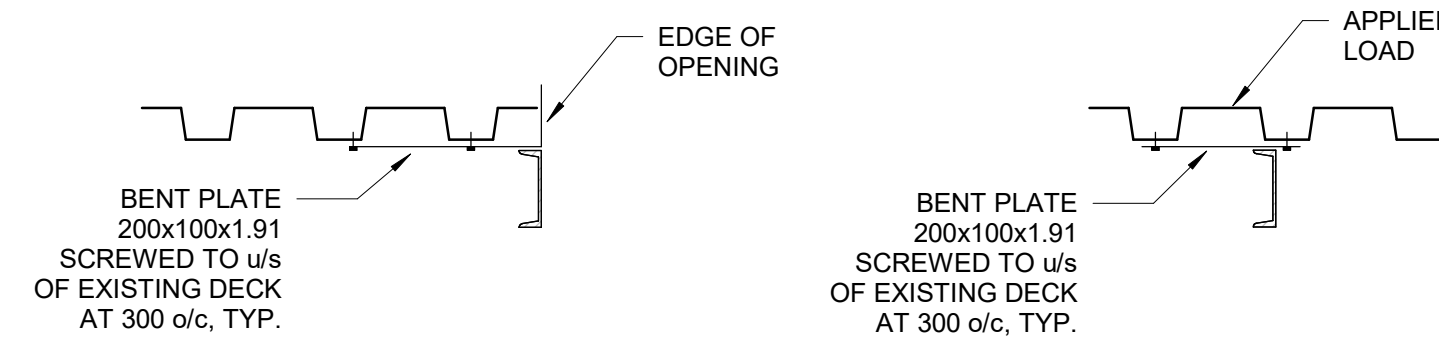
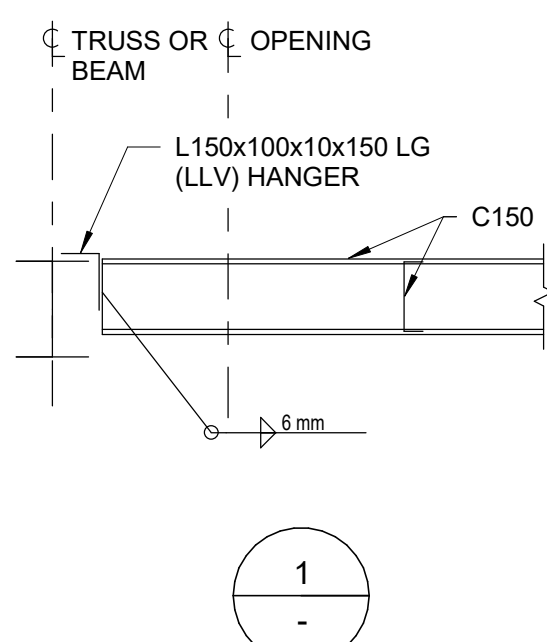
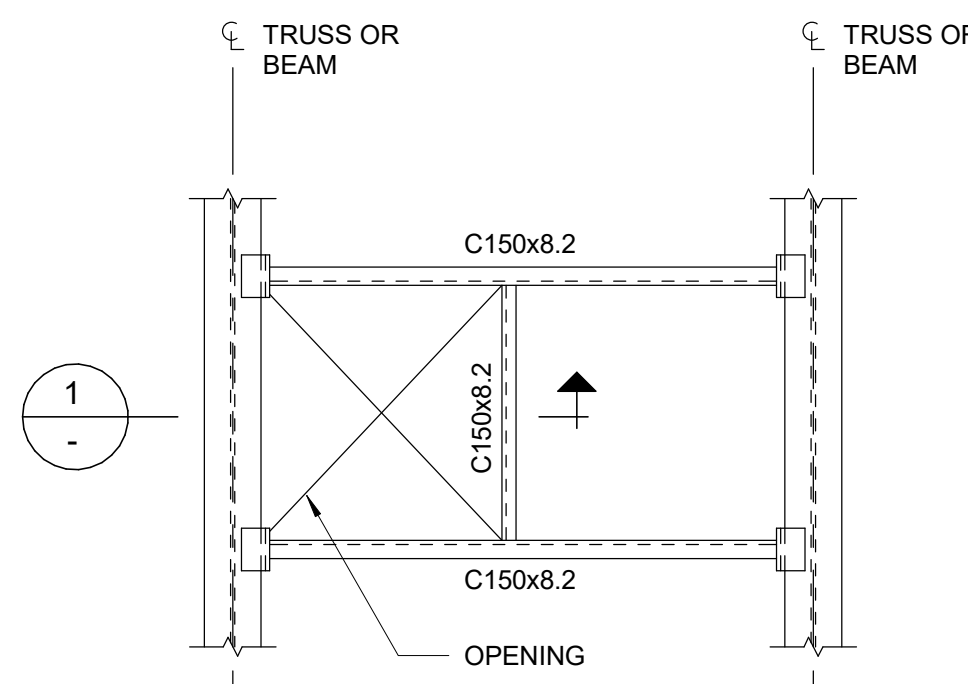
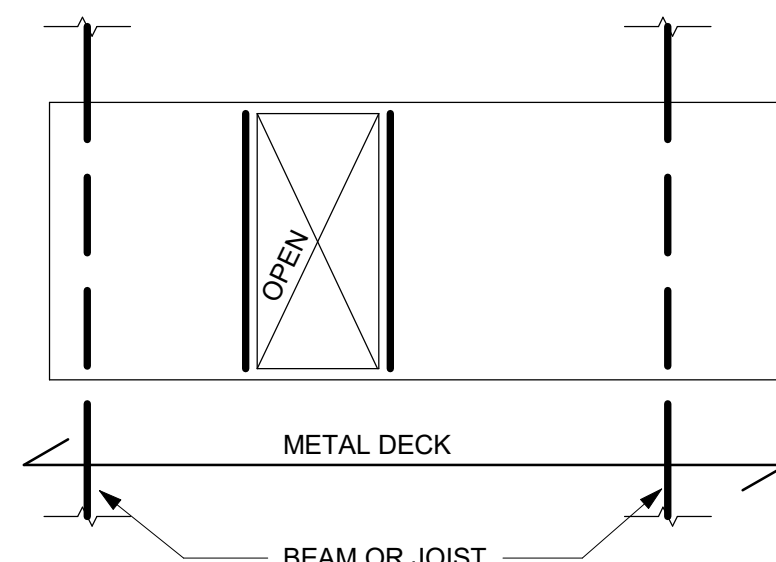
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10mm

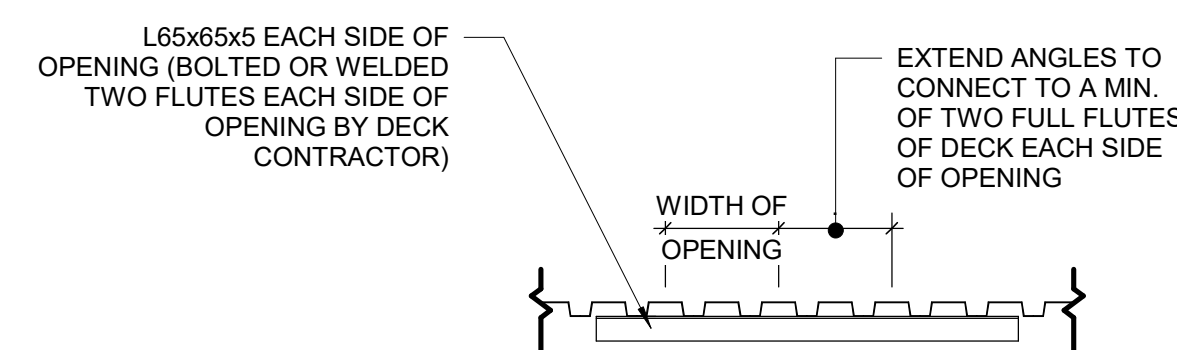
SCALE CHECK  
1 in

**FRAME TYPE "A"****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**1. UNLESS OTHERWISE DETAILED ON PLANS OR SECTIONS****2 ADD'L REINF. TO OPENINGS IN CONC. WALLS AND SLABS**  
D2201 Scale: 1 : 20**DETAIL AT EXISTING JOIST**  
(TWO OPTIONS SHOWN)**DETAIL AT EXISTING DECK****3 FRAMING INTO EXISTING STEEL JOISTS AND DECK**  
D2201 Scale: 1 : 20**4 TAU-S-014-00 TYPICAL ROOF OPENING ADJACENT TO BEAM**  
D2201 Scale: 1 : 20**6 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.

**7 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. FRISCIC**

APPROVED BY:  
**K. ANGER**

SHEET TITLE

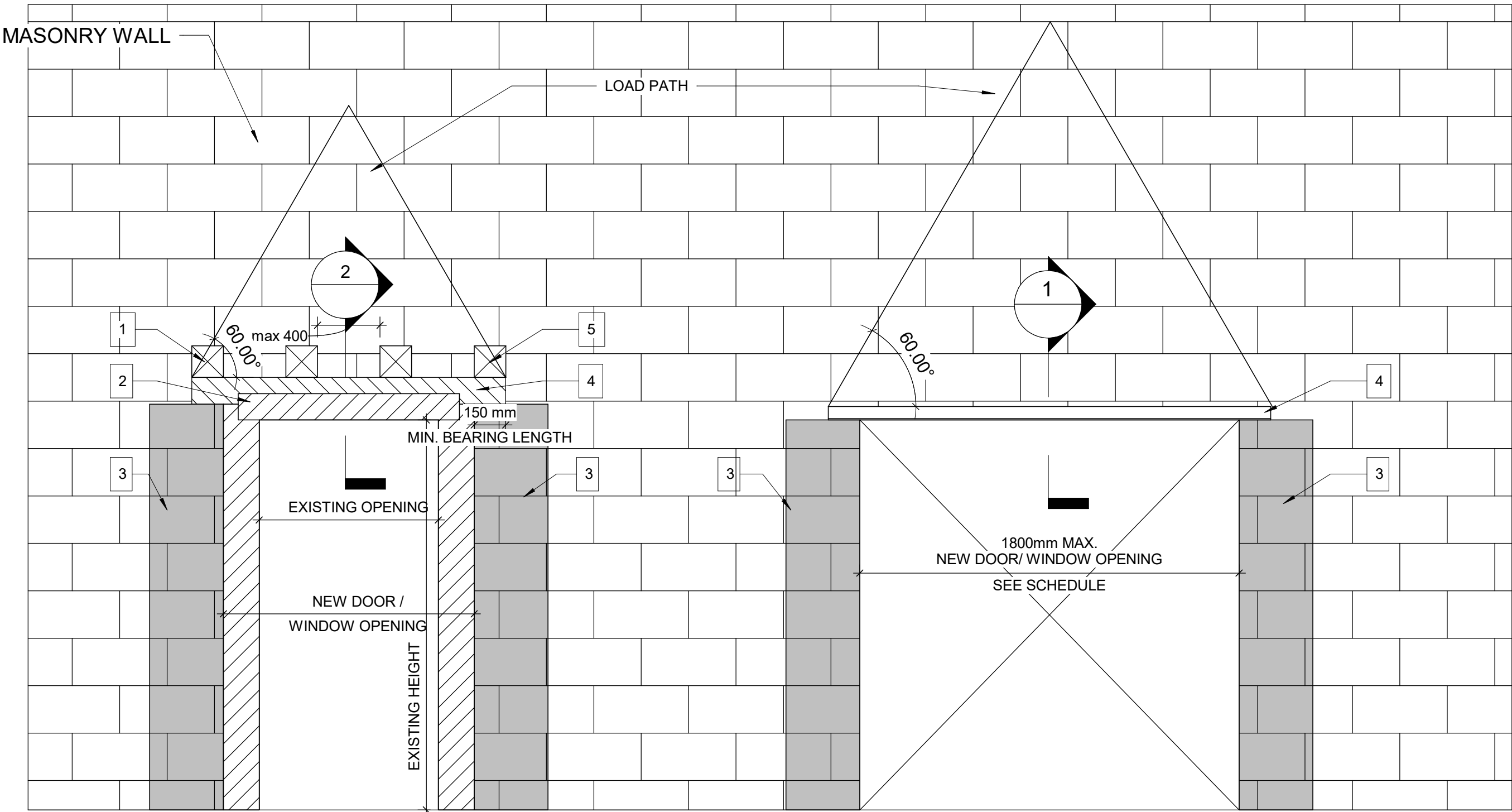
**STRUCTURAL STEEL  
DETAILS - 2**

SHEET NUMBER

**G03-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.**

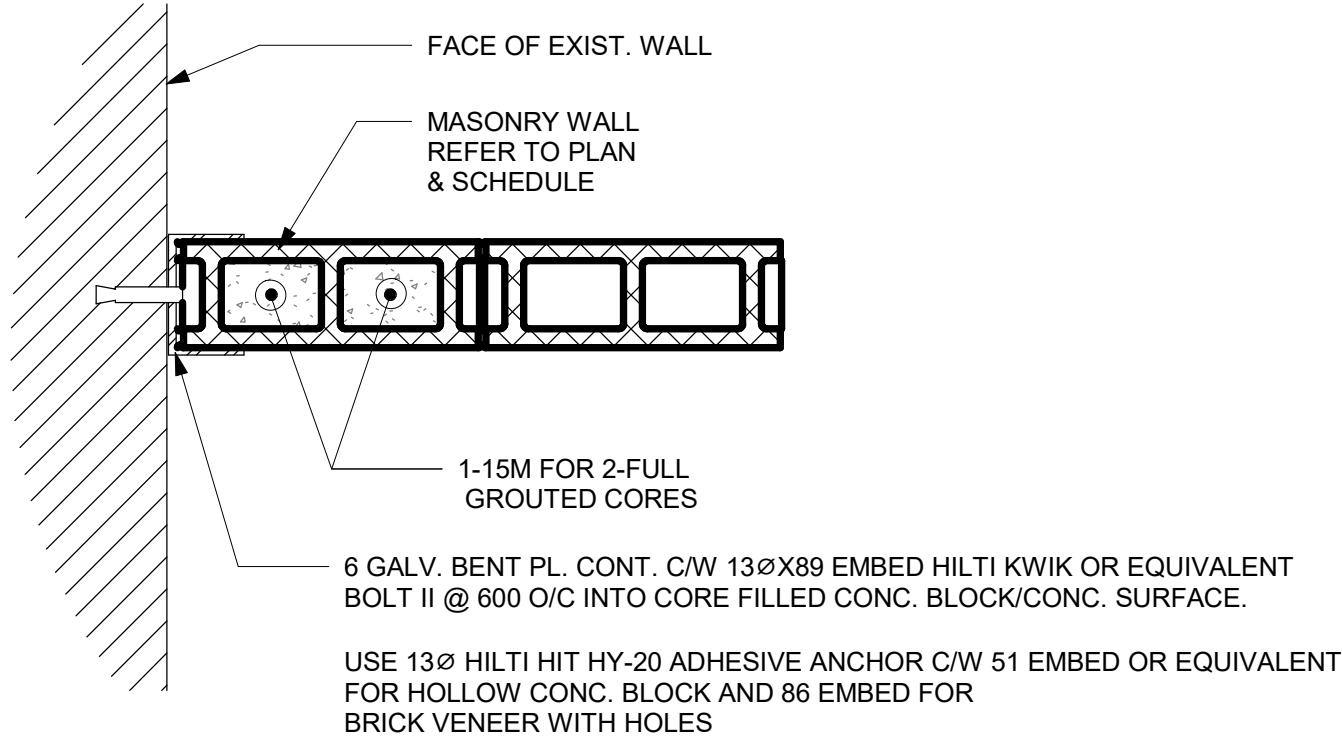
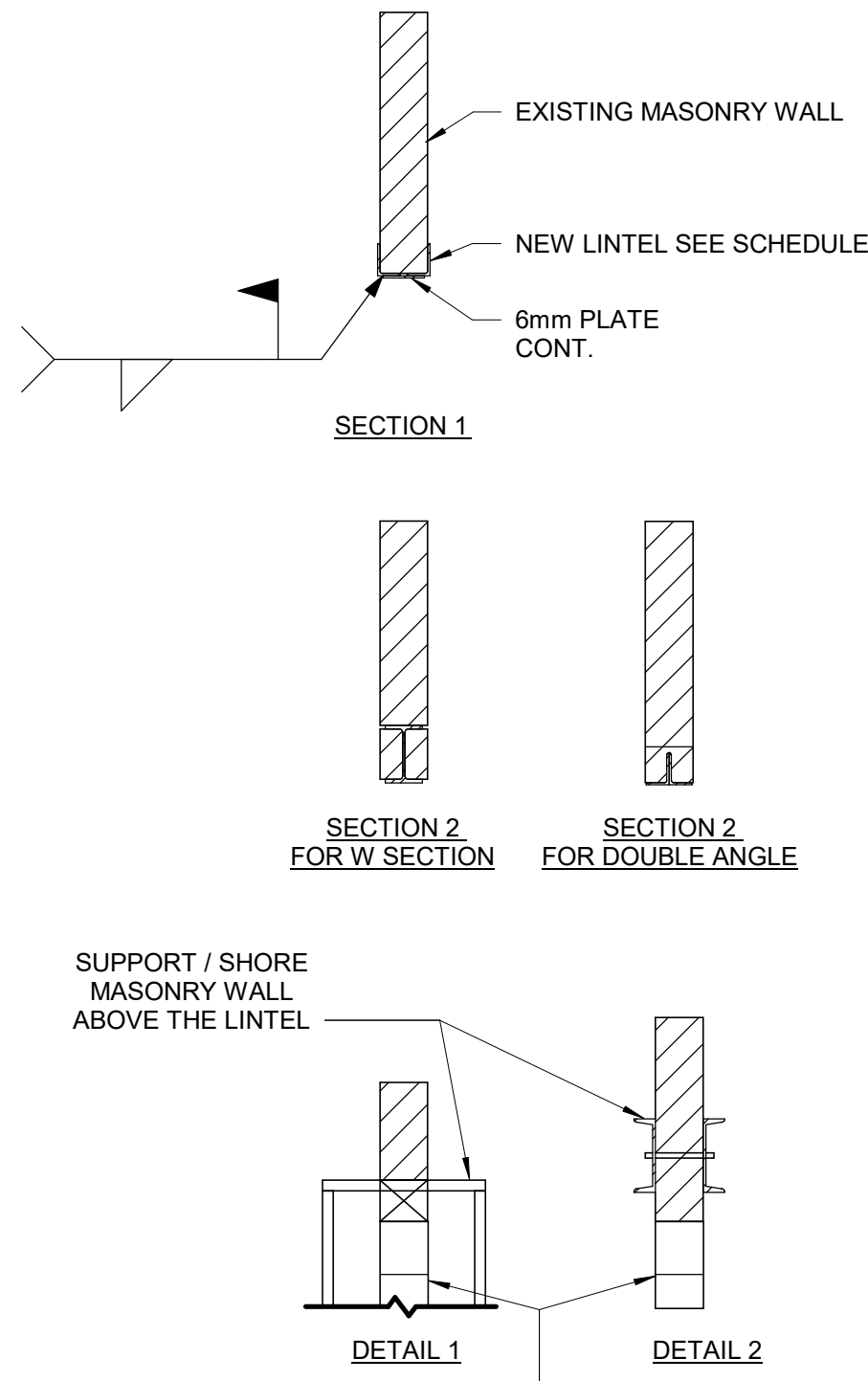
**LINTEL:**

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

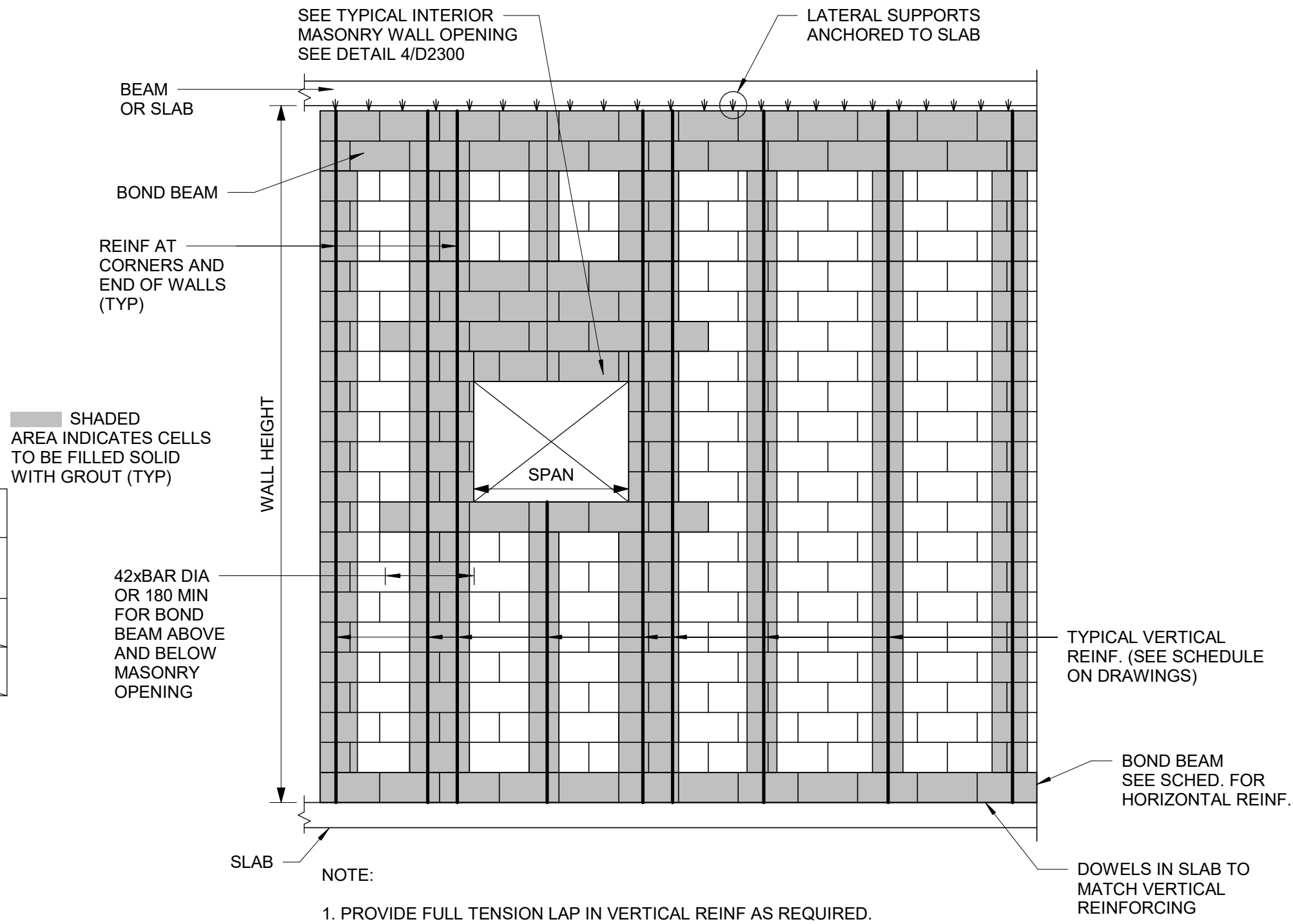
**STEEL LINTELS**

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		

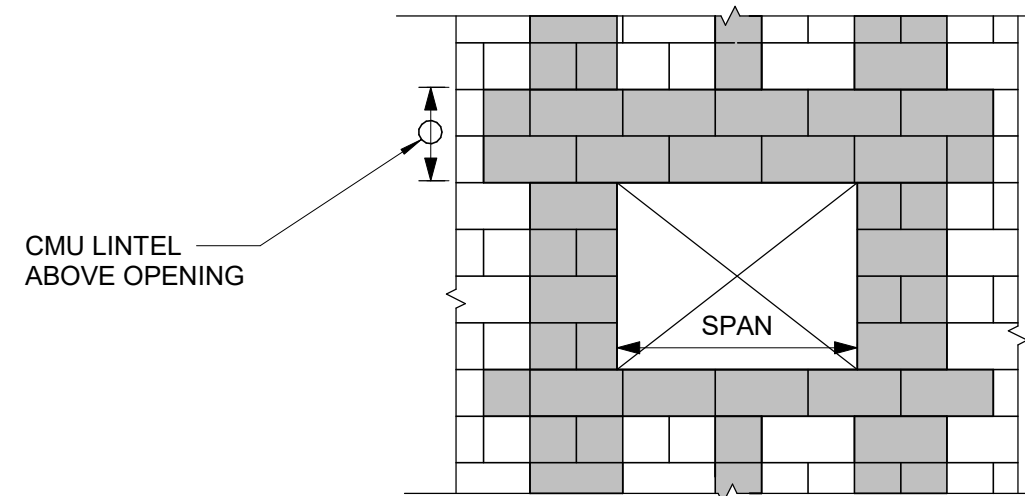
- TO INSTALL A LINTEL TO THE EXISTING BLOCK WALL FOR A NEW OPENING, CUT A GROOVE THROUGH THE EXISTING BLOCK WALL AT THE TOP OF THE NEW OPENING AND INSTALL THE ANGLE FROM ONE SIDE OF THE WALL FOR SINGLE ANGLE OR FROM BOTH SIDES OF THE WALL FOR DOUBLE ANGLE AND THEN CUT THE OPENING.
- MINIMUM BEARING FOR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

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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:  
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PROJECT MGR:  
**N. FRISCIC**

APPROVED BY:  
**K. ANGER**

SHEET TITLE  
**MASONRY DETAILS**

SHEET NUMBER

**G03-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:**

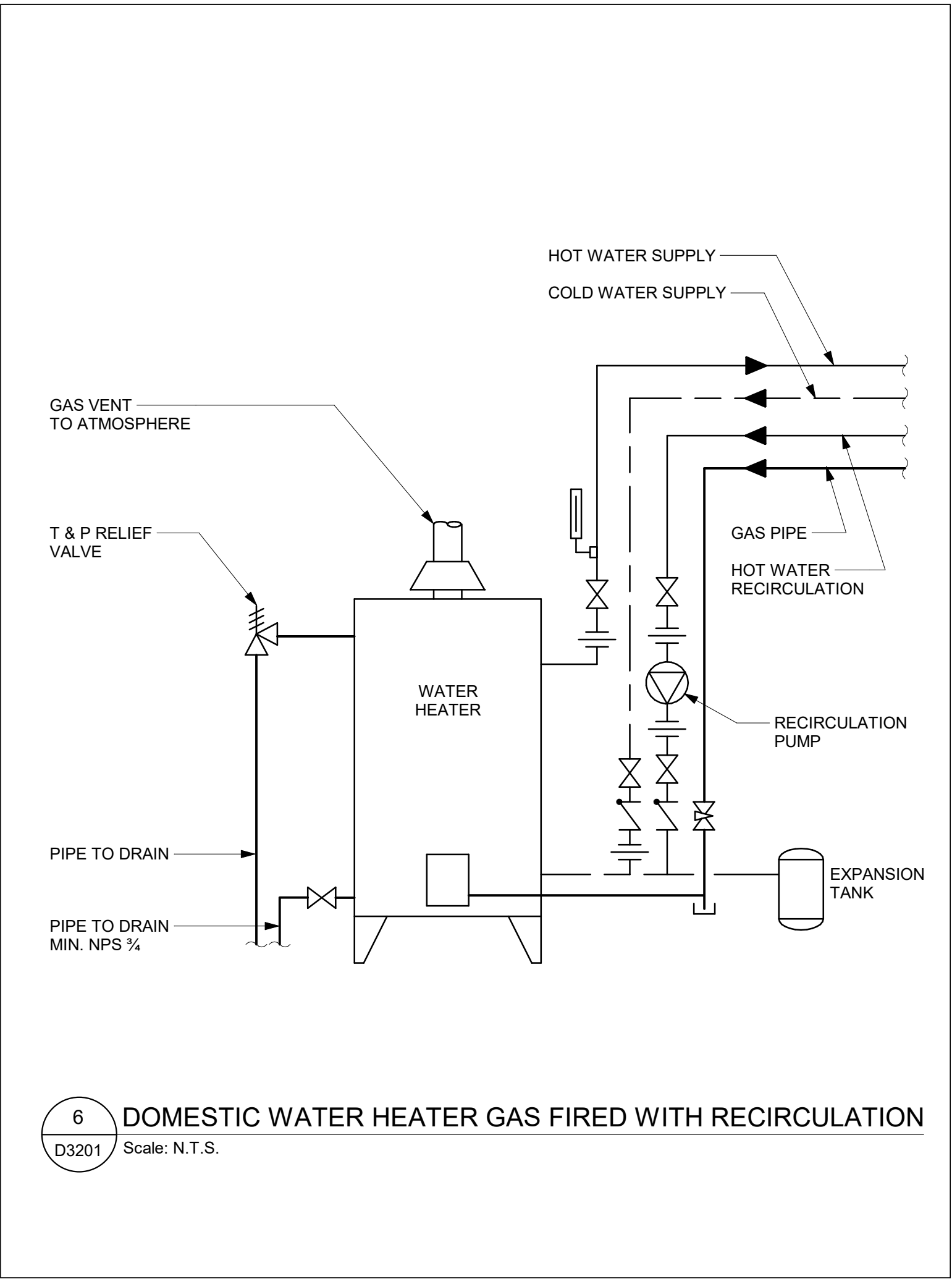
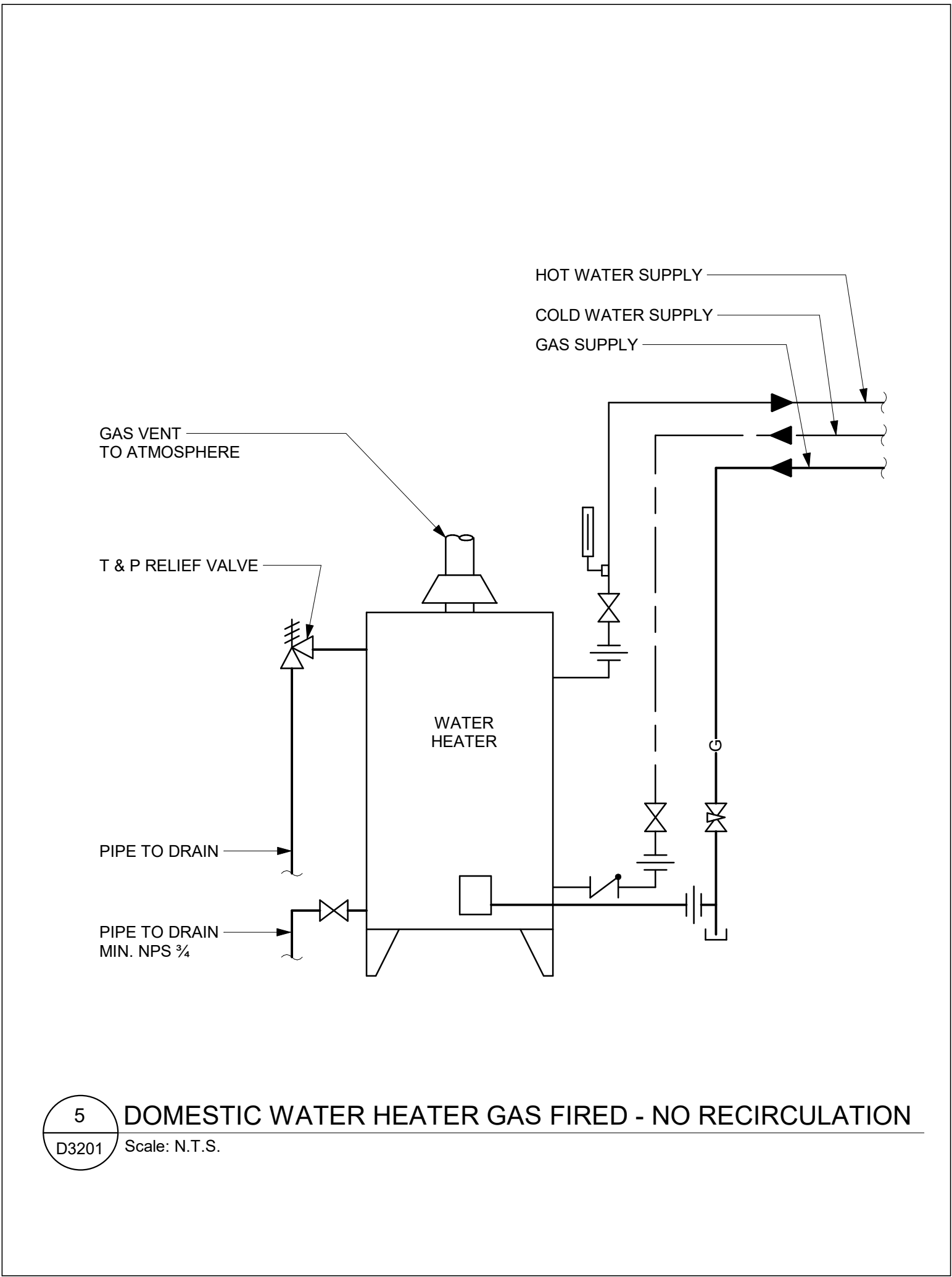
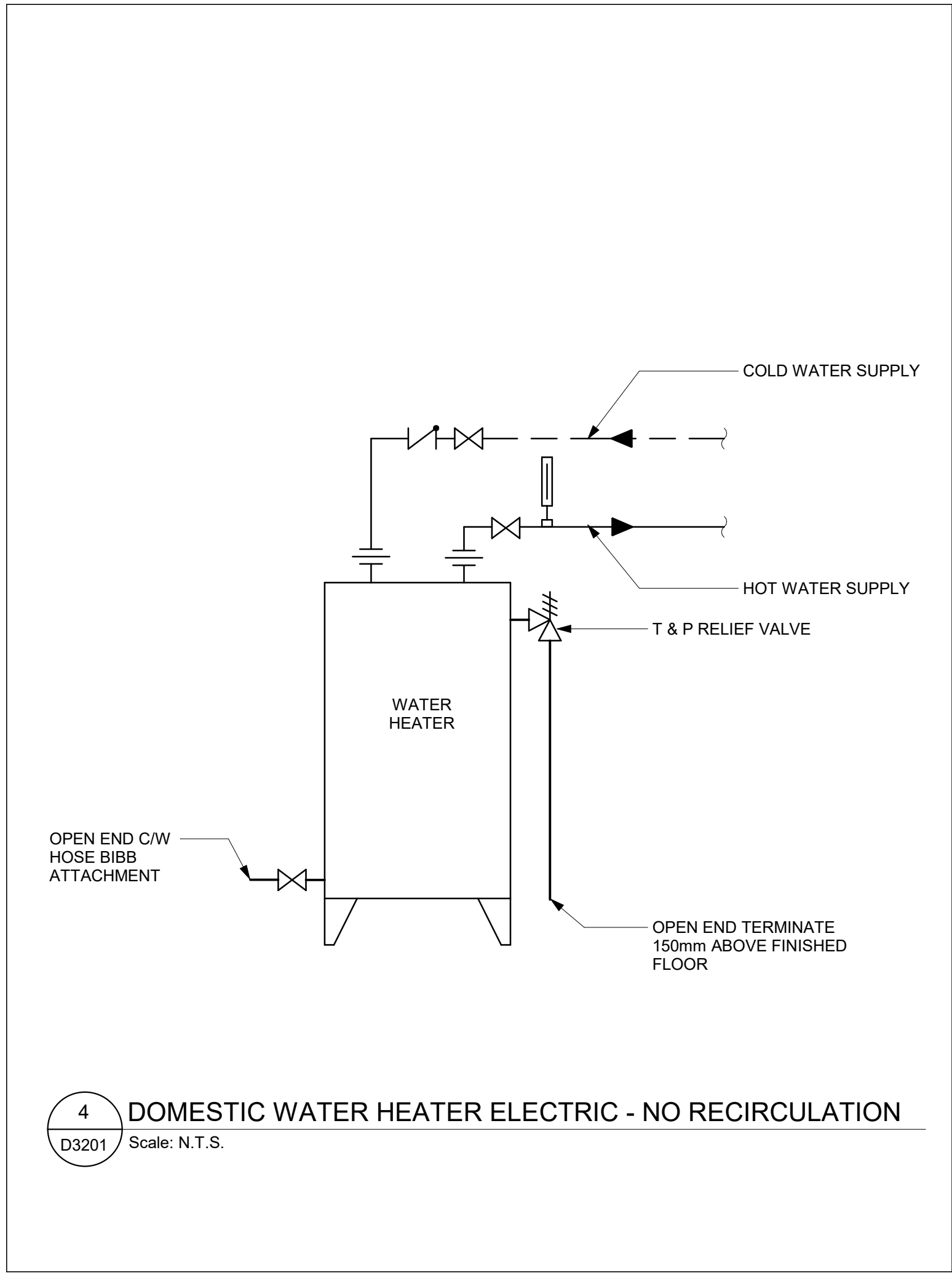
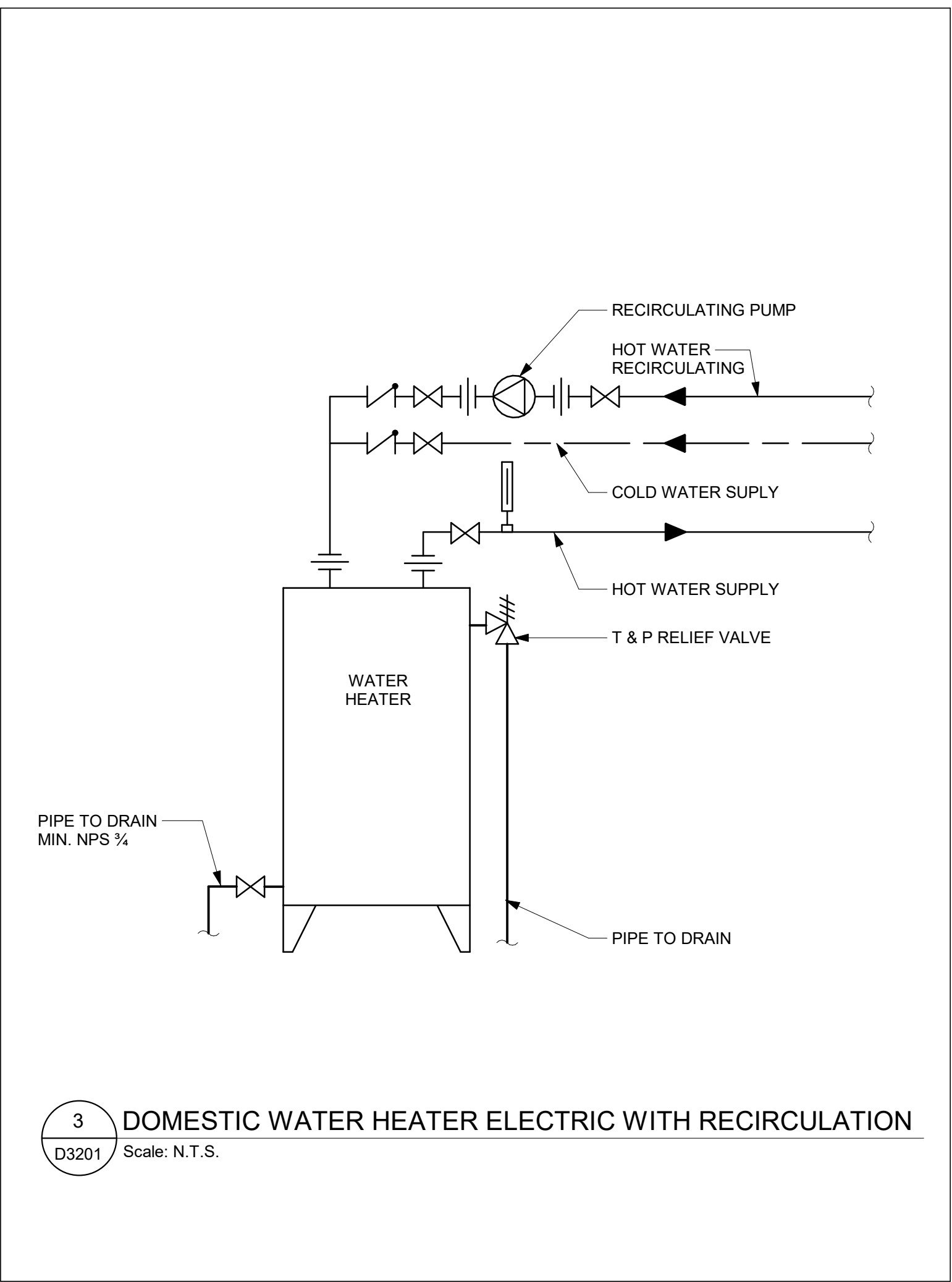
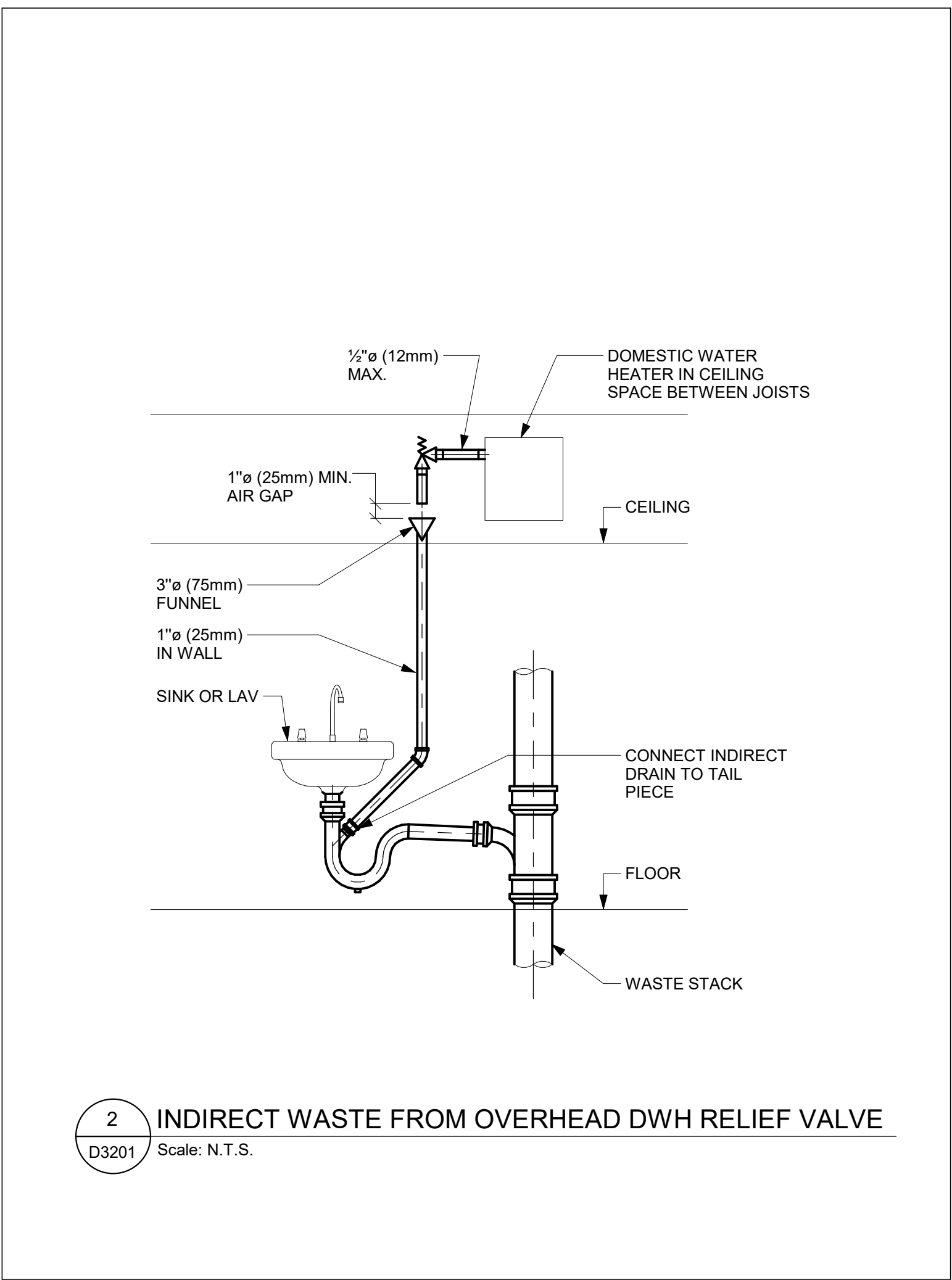
- SIZING OF SUPPLIES INSIDE WASHROOM TO BE BASED ON 35 kPa PRESSURE DROP PER 30m OF PIPE OR MAXIMUM VELOCITY OF 1.2 mps.
- CONTRACTOR SHALL PROVIDE SHOP DRAWING OF PLUMBING AND DRAINAGE INSIDE WASHROOM AREA FOR ALL WASHROOMS.

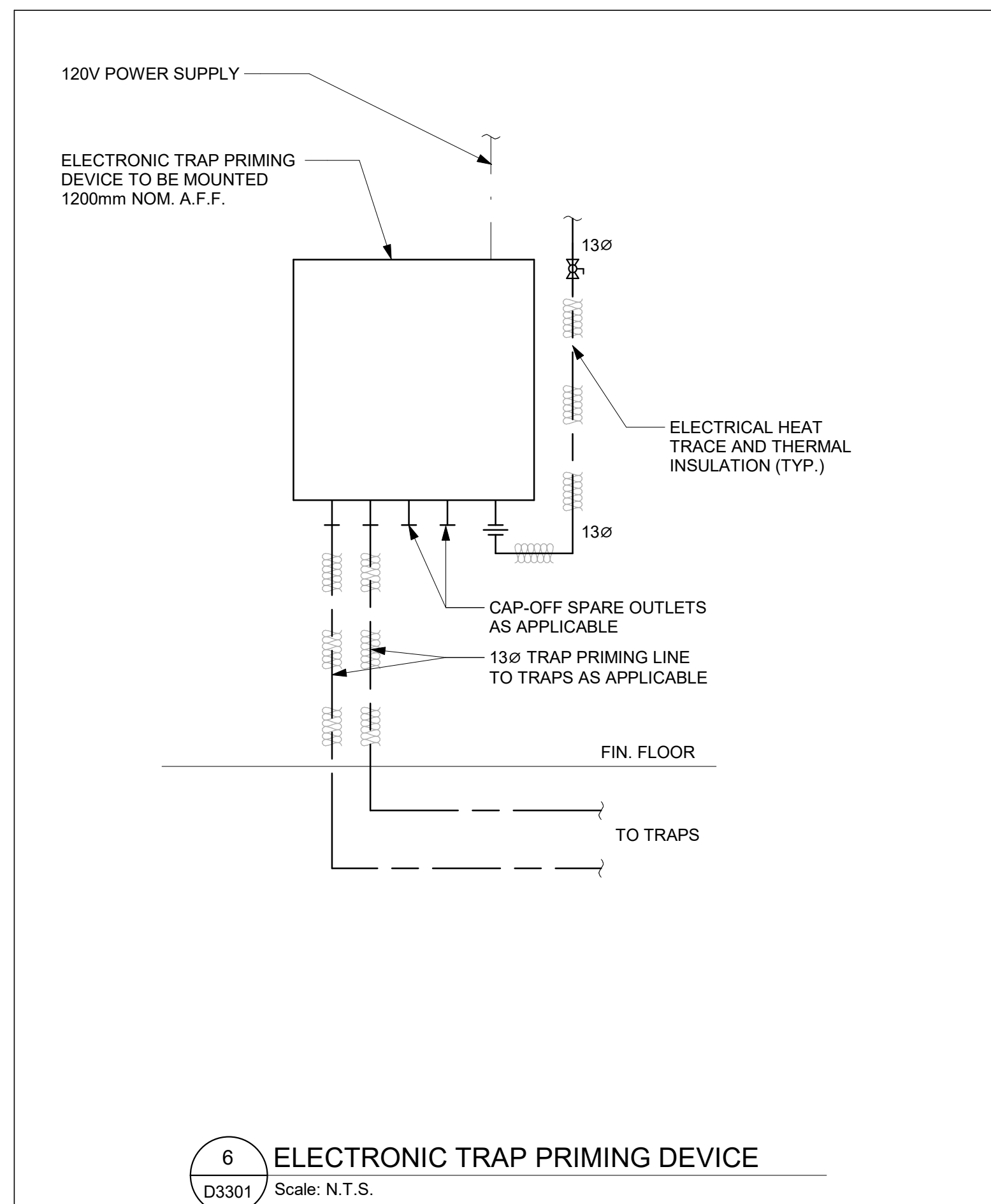
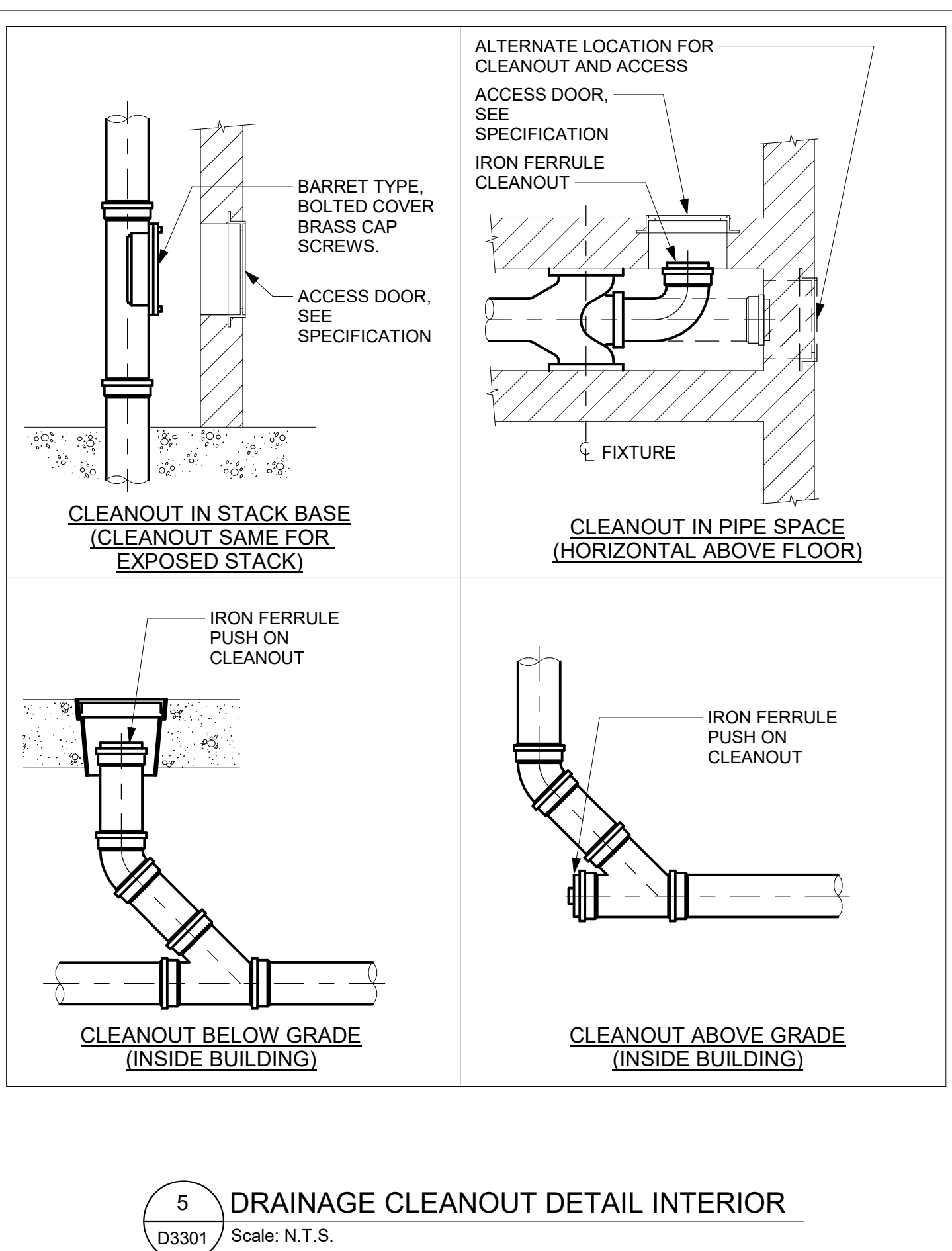
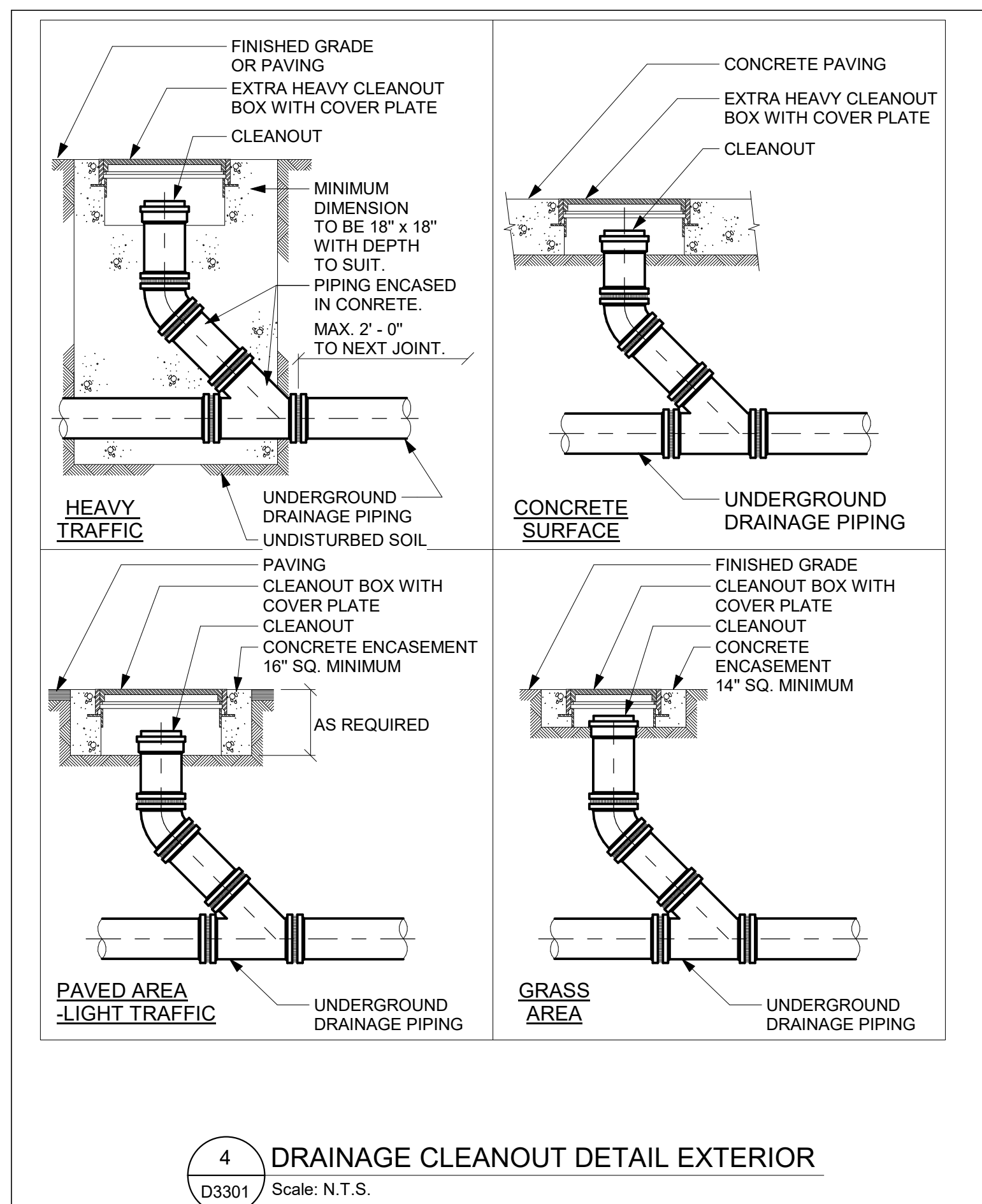
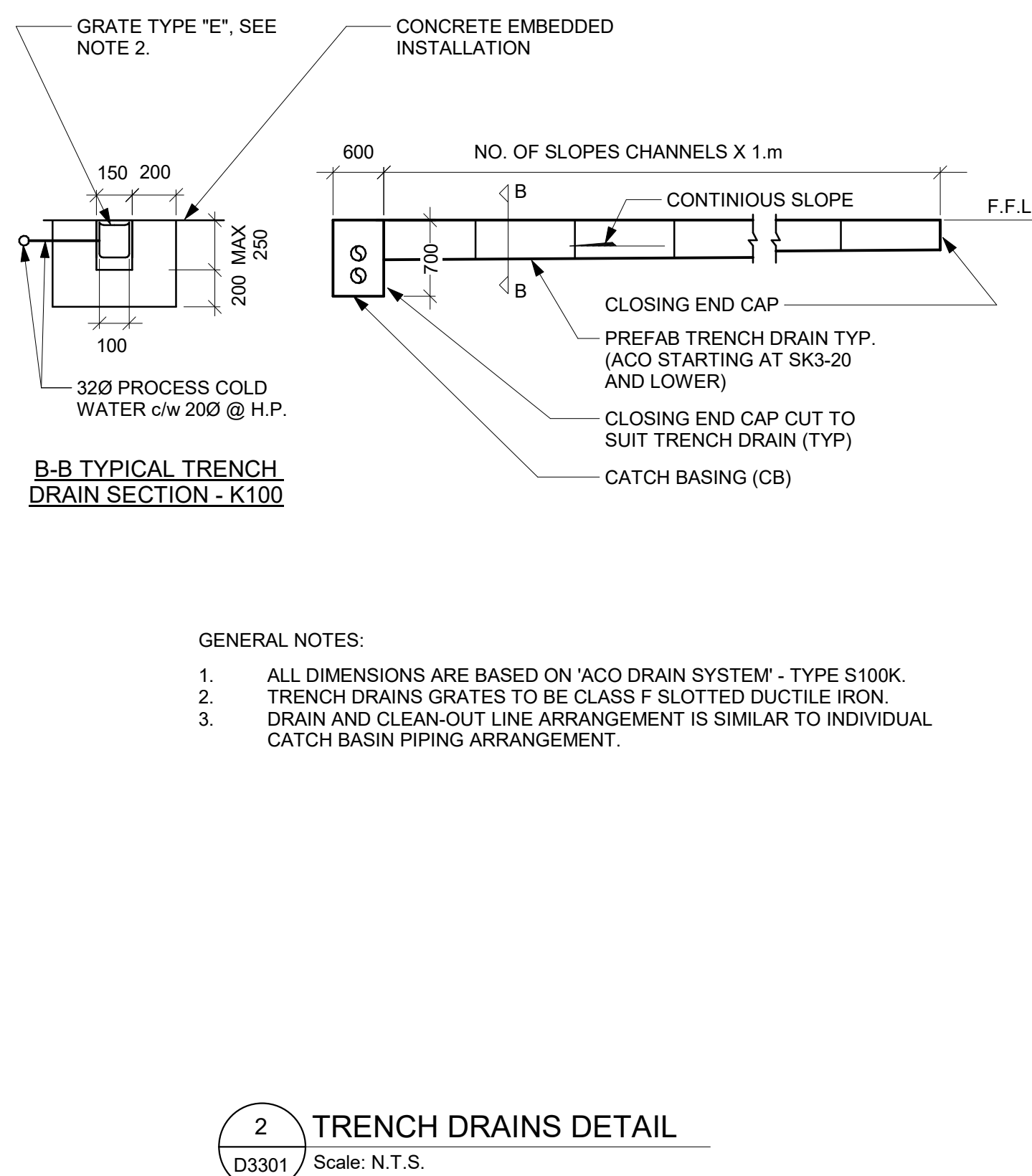
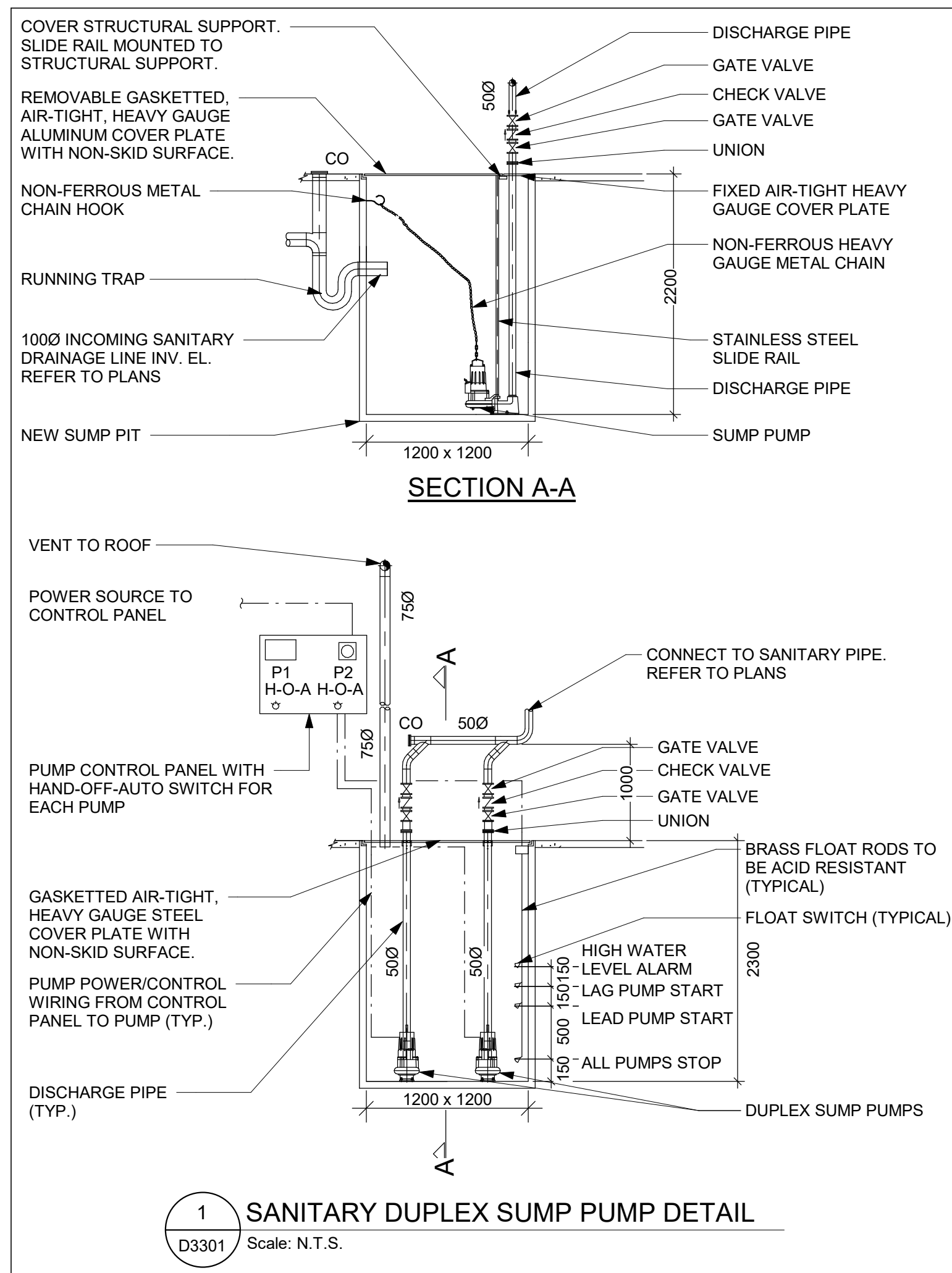
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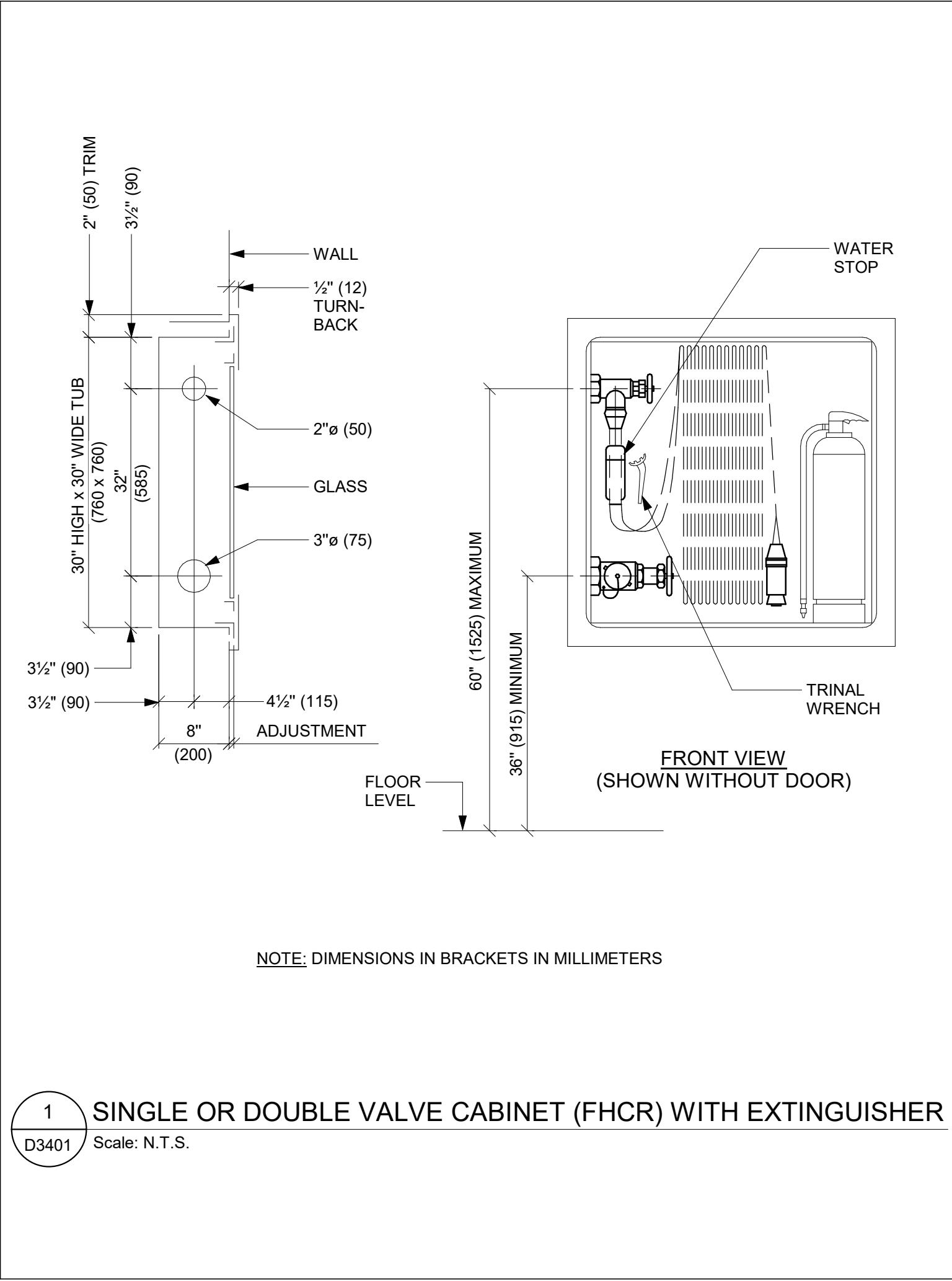
D3201

PLUMBING FIXTURE SCHEDULE

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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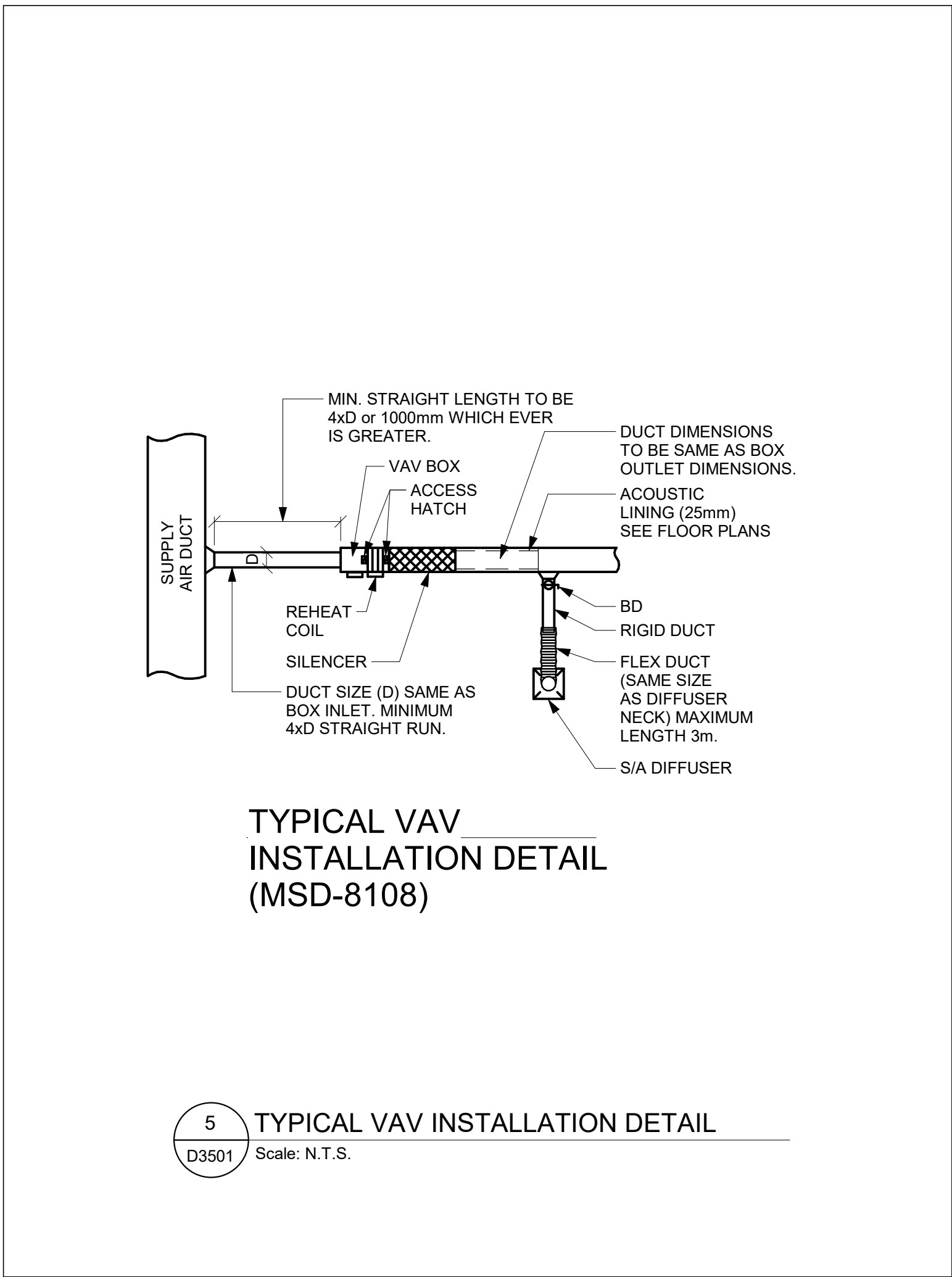
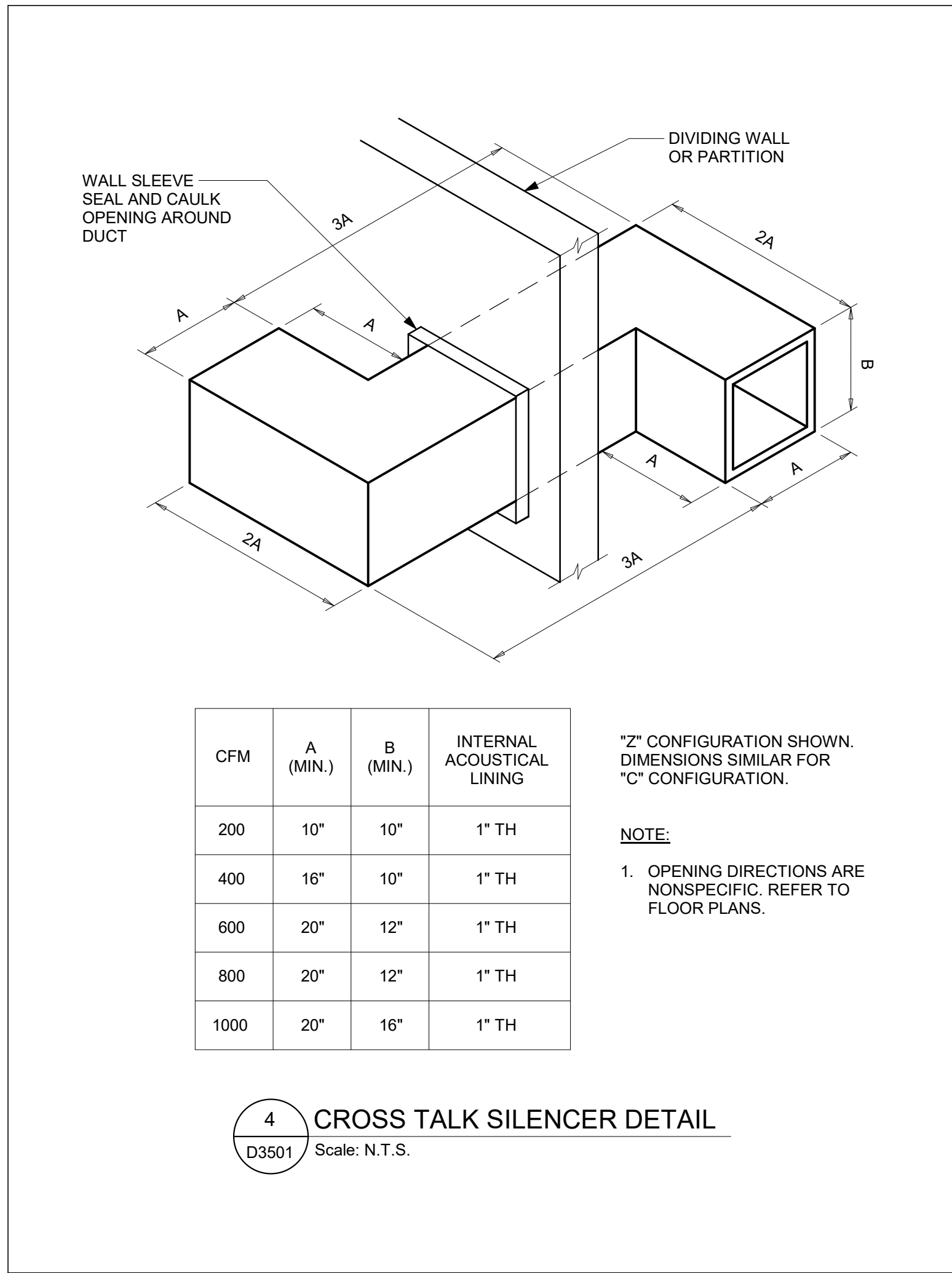
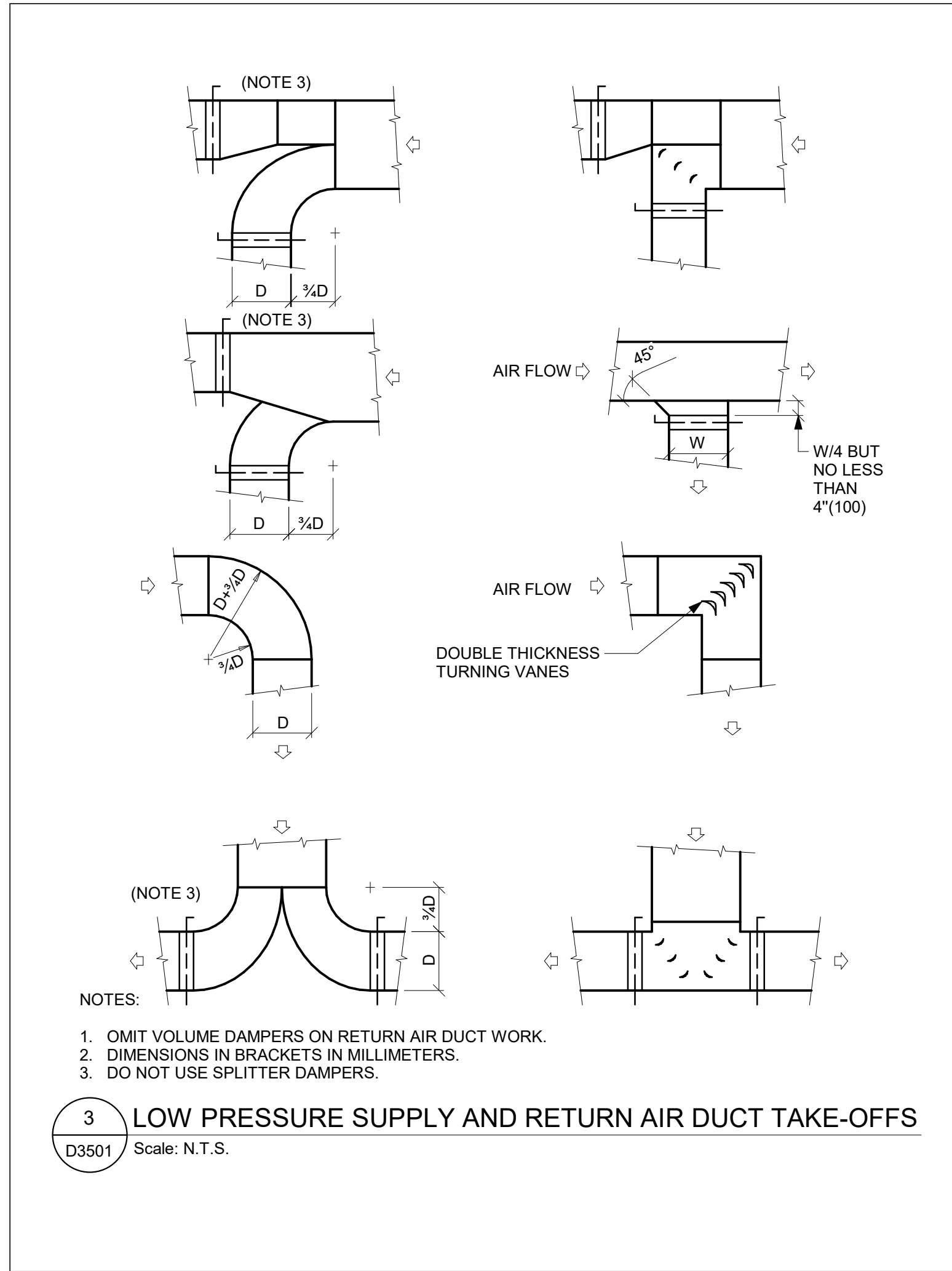
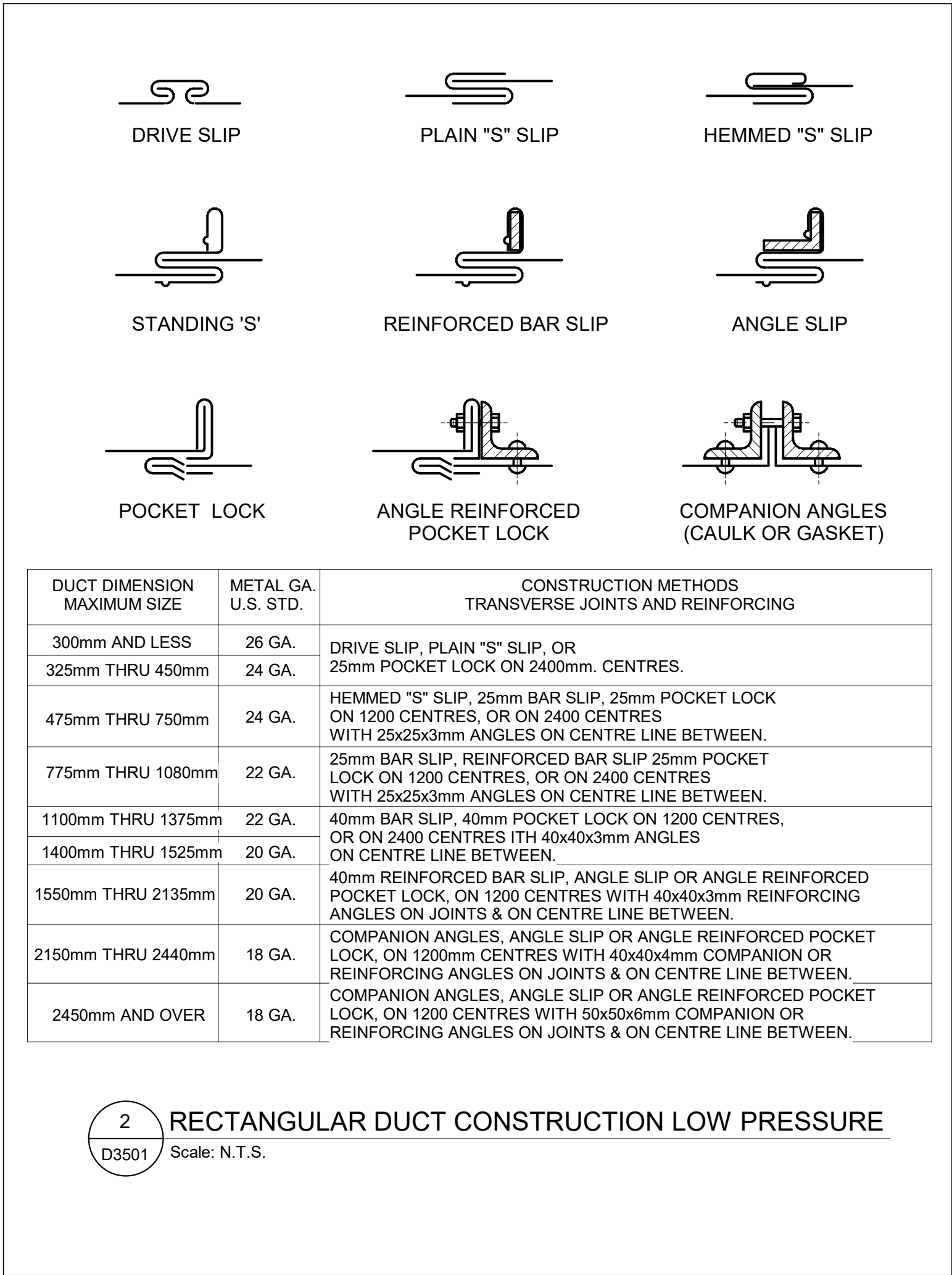
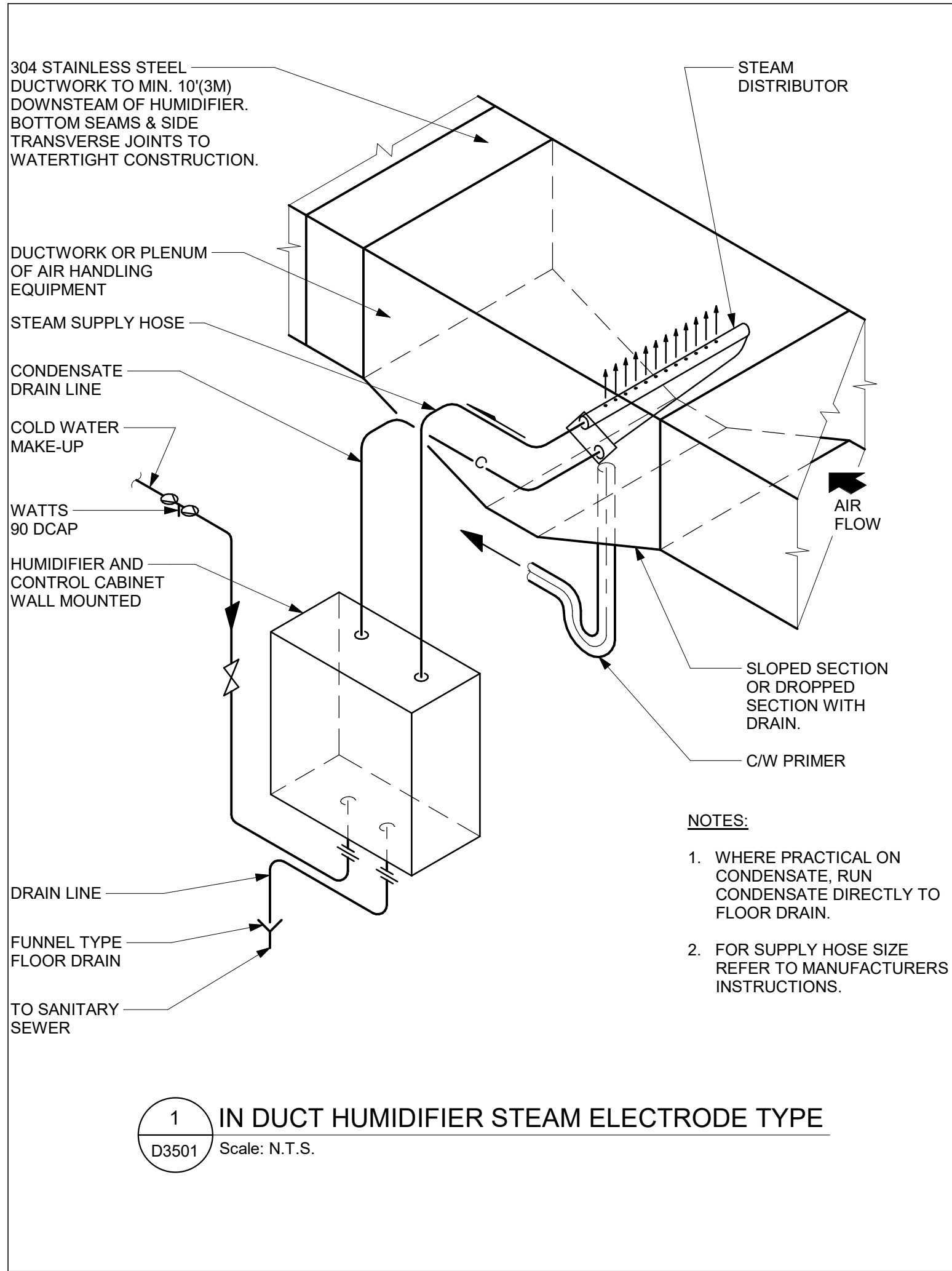
PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

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>G03-GAL-D3401</b>	ISSUE <b>F</b>
--------------------------------------	-------------------



CLIENT

**CITY OF TORONTO**

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

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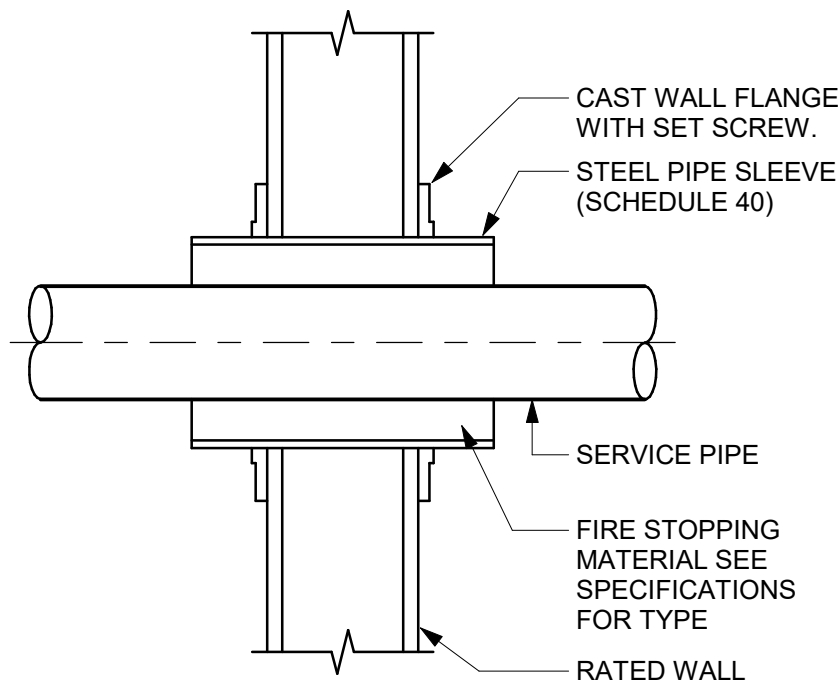
PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**S. LIU**

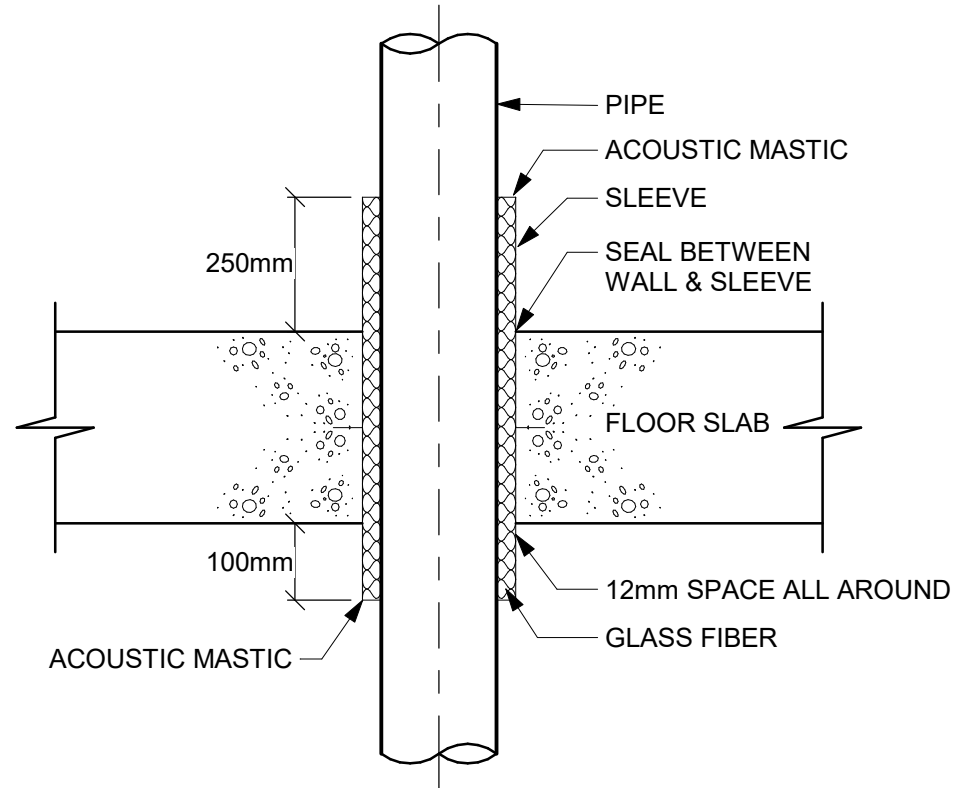
SHEET TITLE  
**HVAC DETAILS**

SHEET NUMBER  
**G03-GAL-D3501**

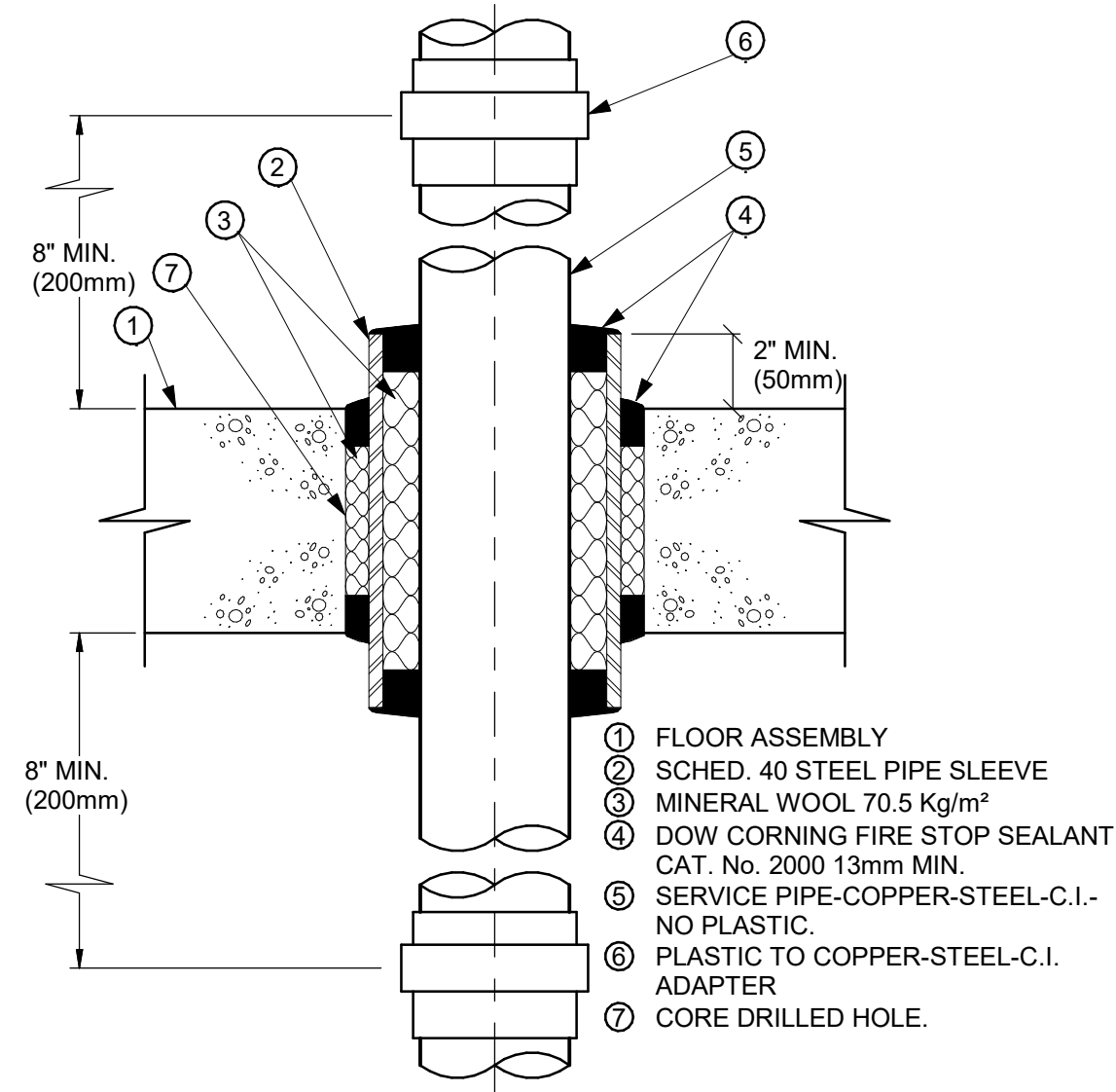
ISSUE  
**F**



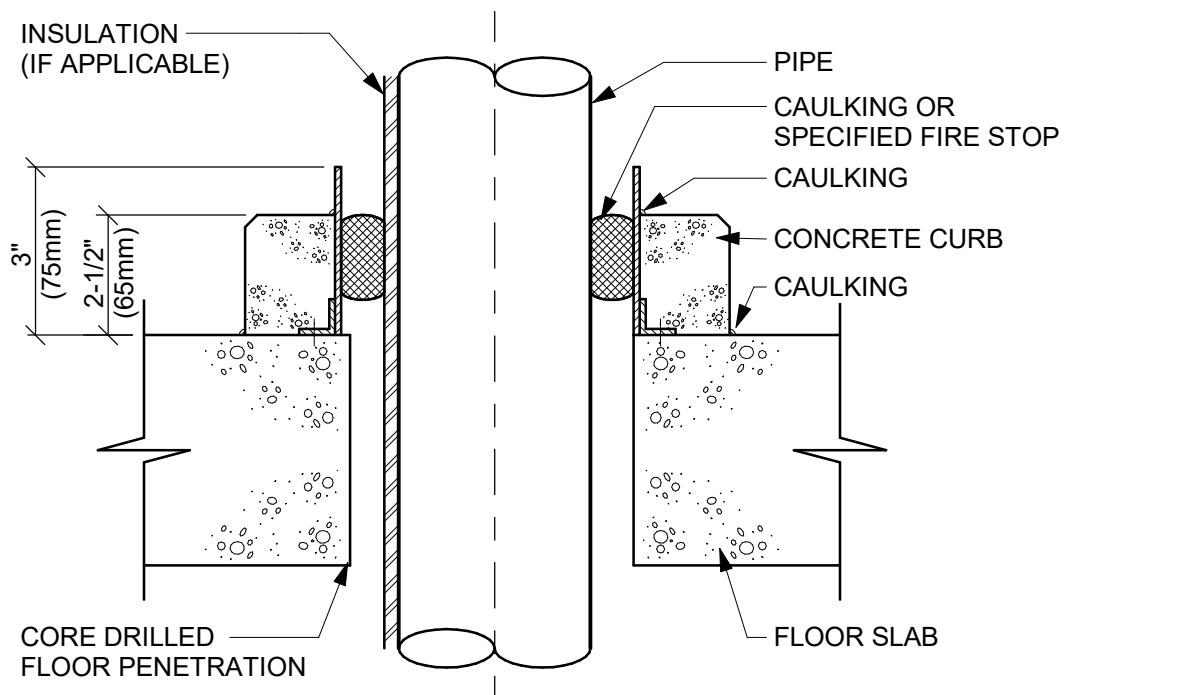
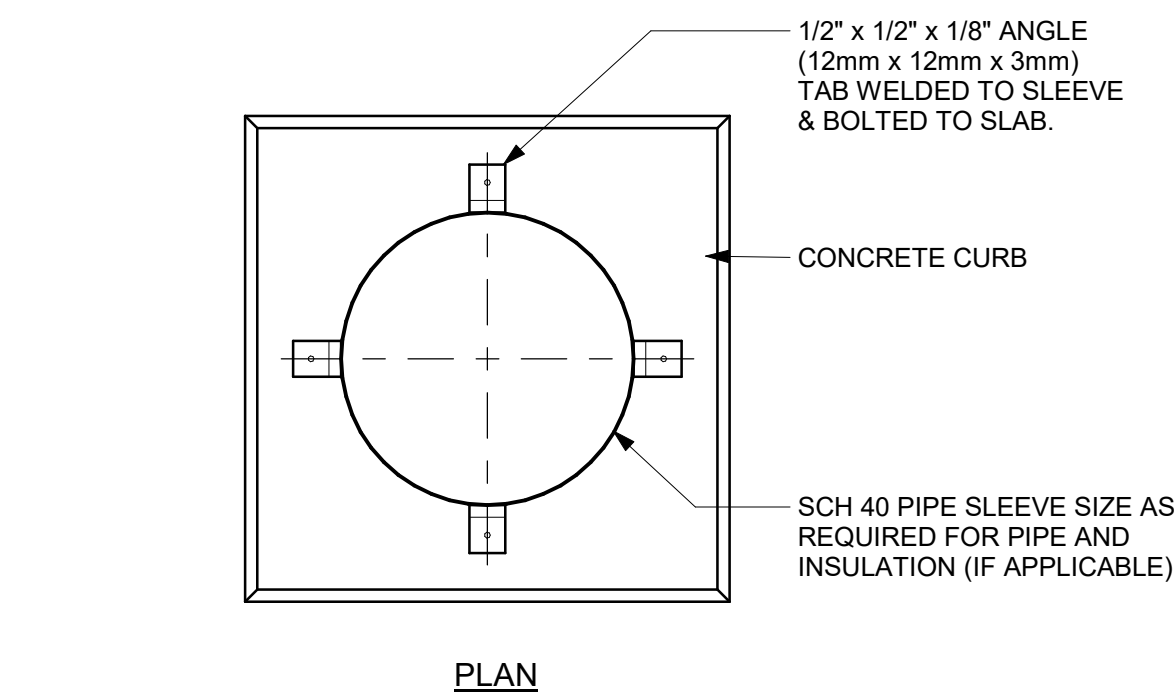
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D3601 Scale: N.T.S.



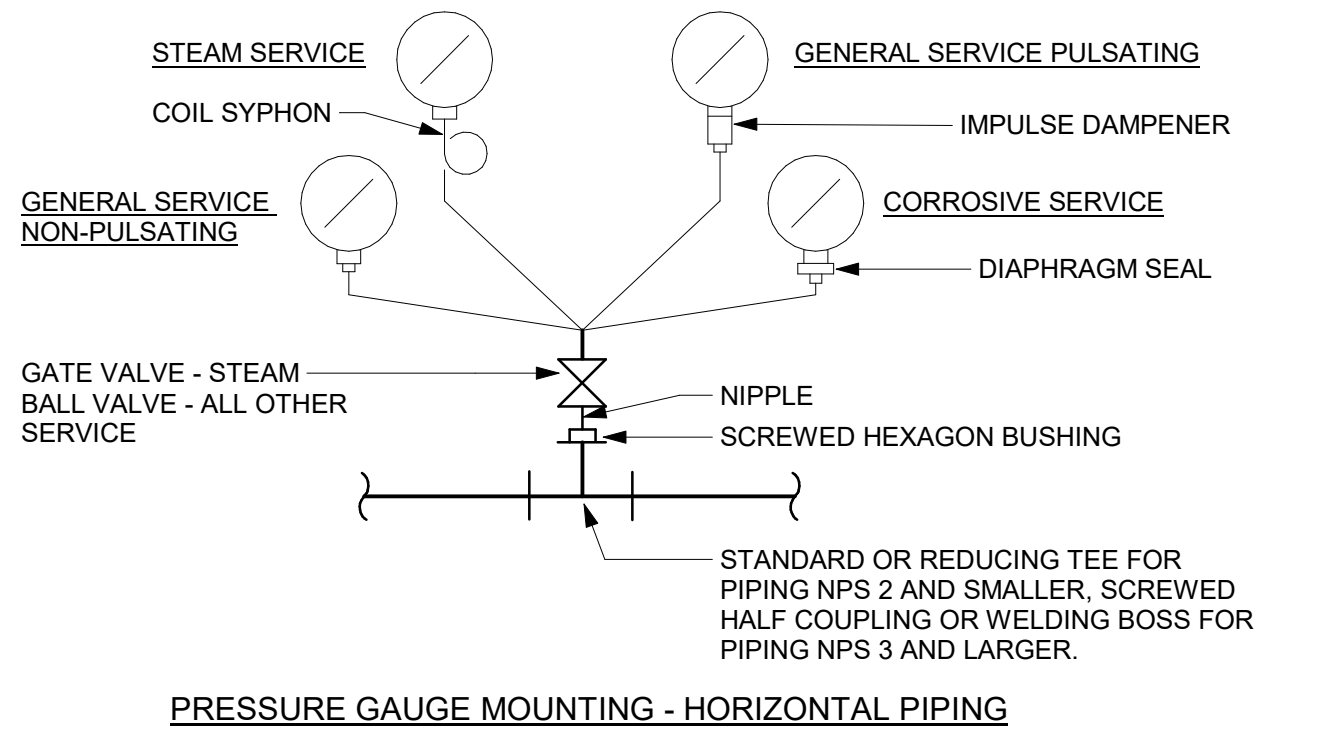
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OF MECHANICAL ROOM FLOOR SLAB  
D3601 Scale: N.T.S.



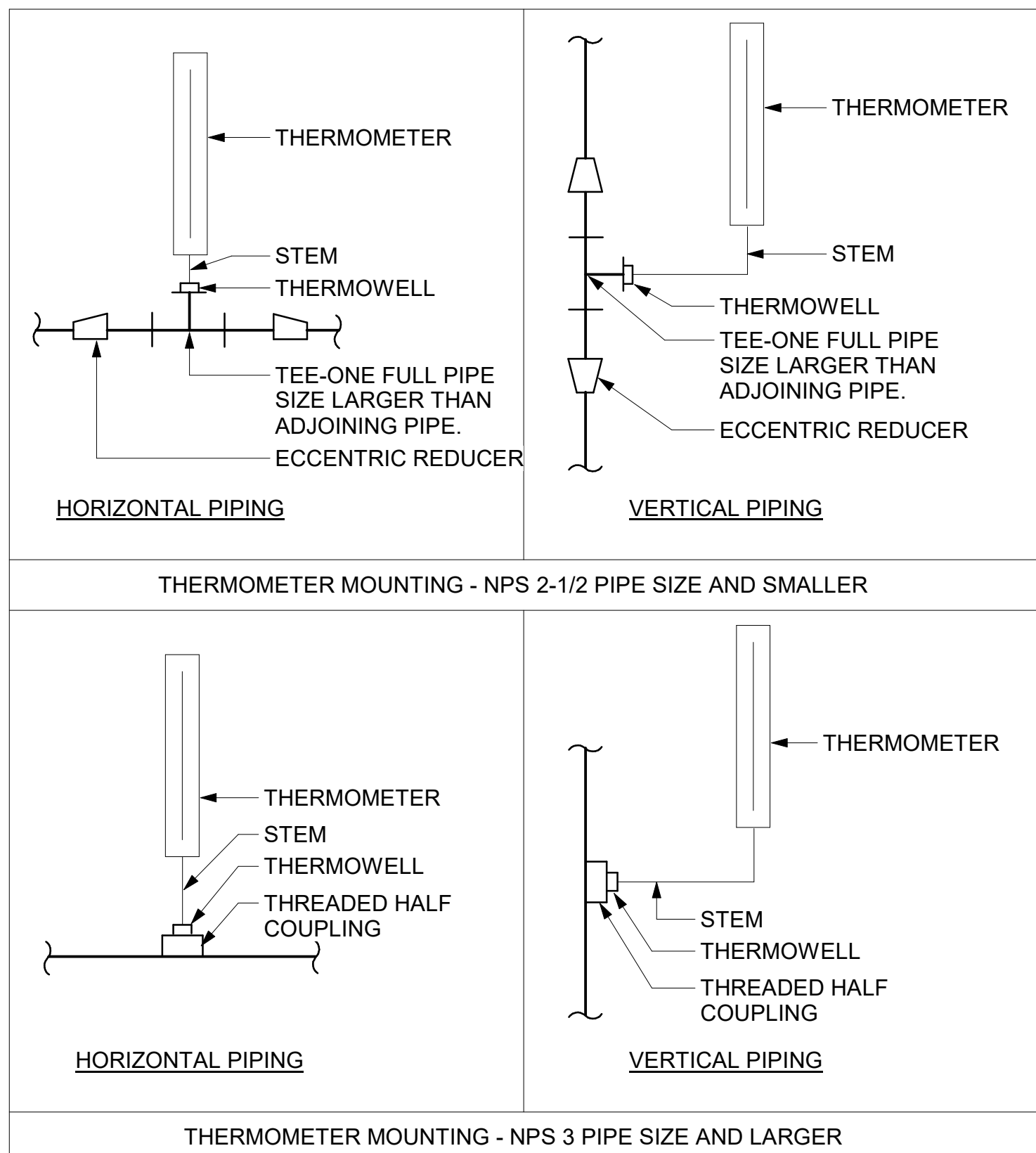
3 PIPE SLEEVE THROUGH FIRE RATED FLOOR SLAB  
D3601 Scale: N.T.S.



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.

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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:  
**K. DURUKAN**

CHECKED BY:  
**B. LIAO**

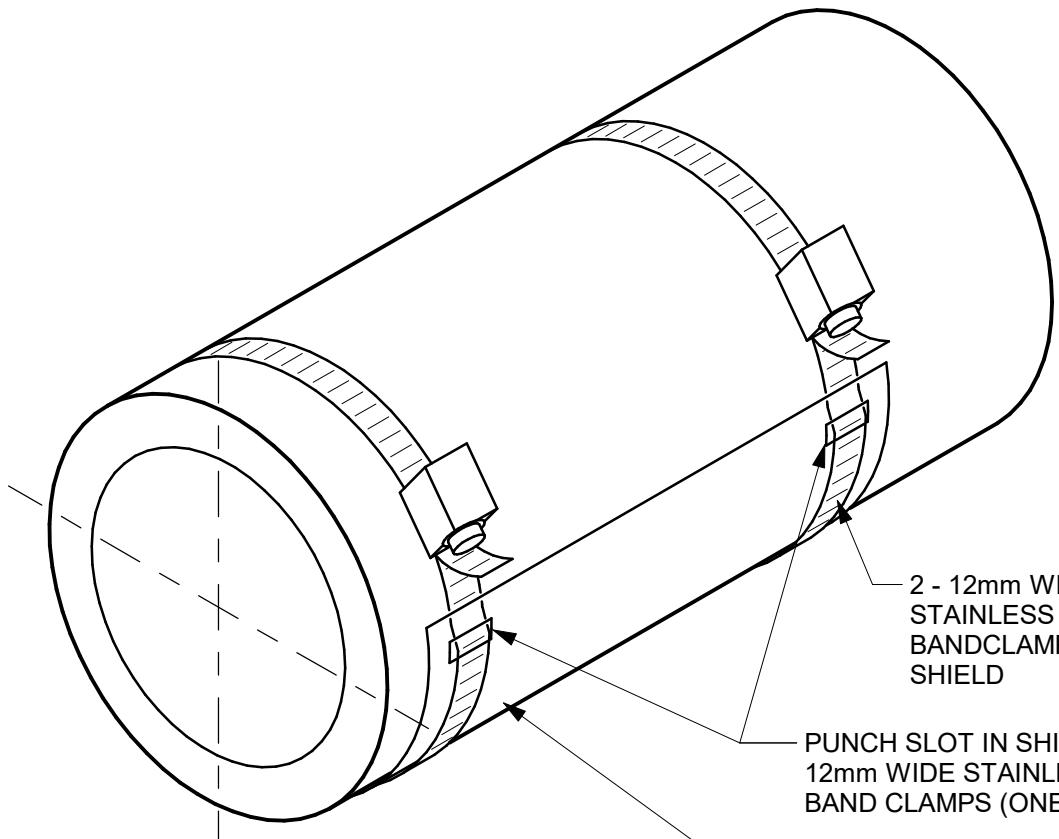
PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**S. LIU**

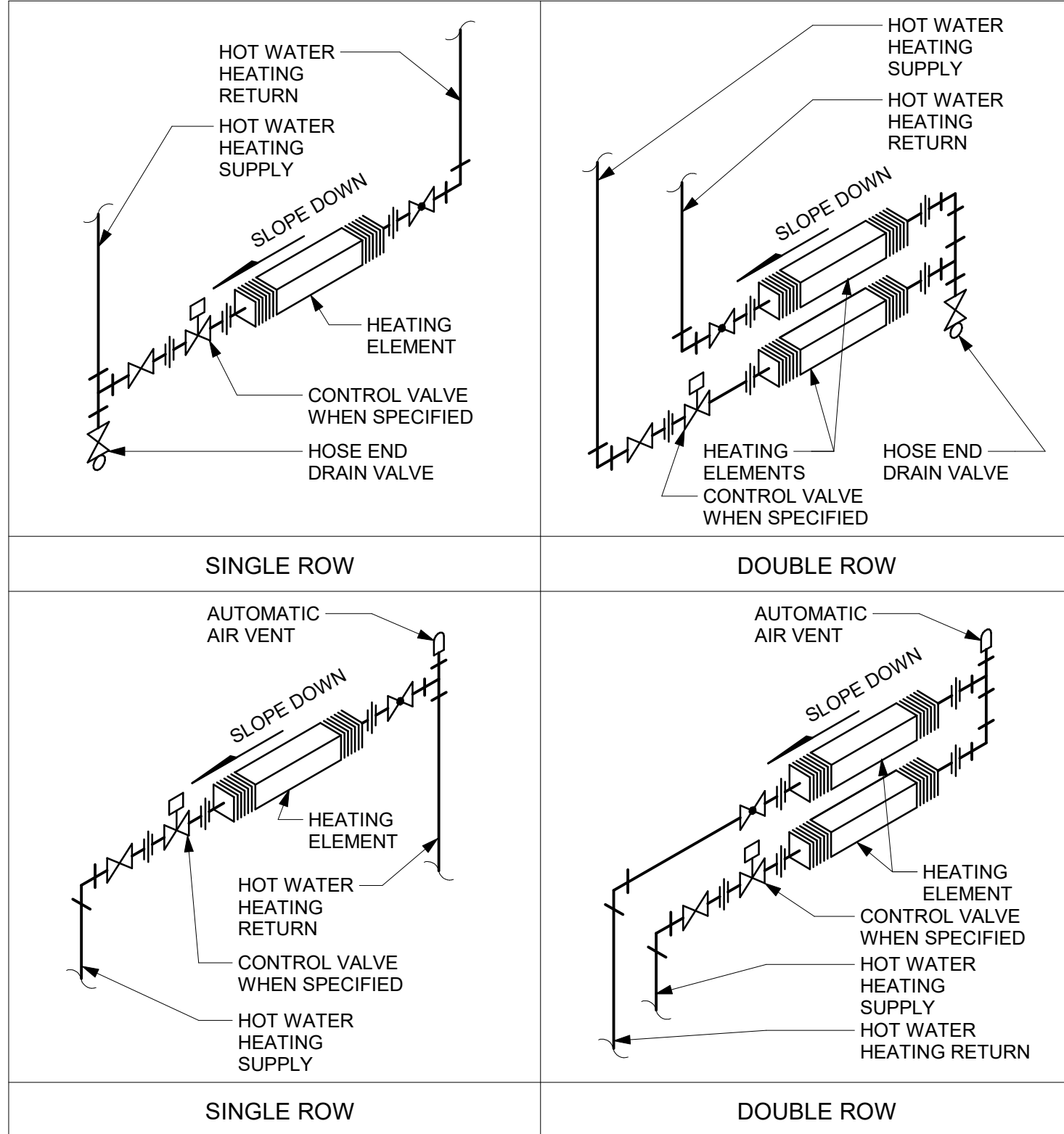
SHEET TITLE  
**PIPING DETAILS  
SHEET 1 OF 2**

SHEET NUMBER  
**G03-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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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>N. KHOURY</b>	CHECKED BY: <b>G. VERNESCU</b>
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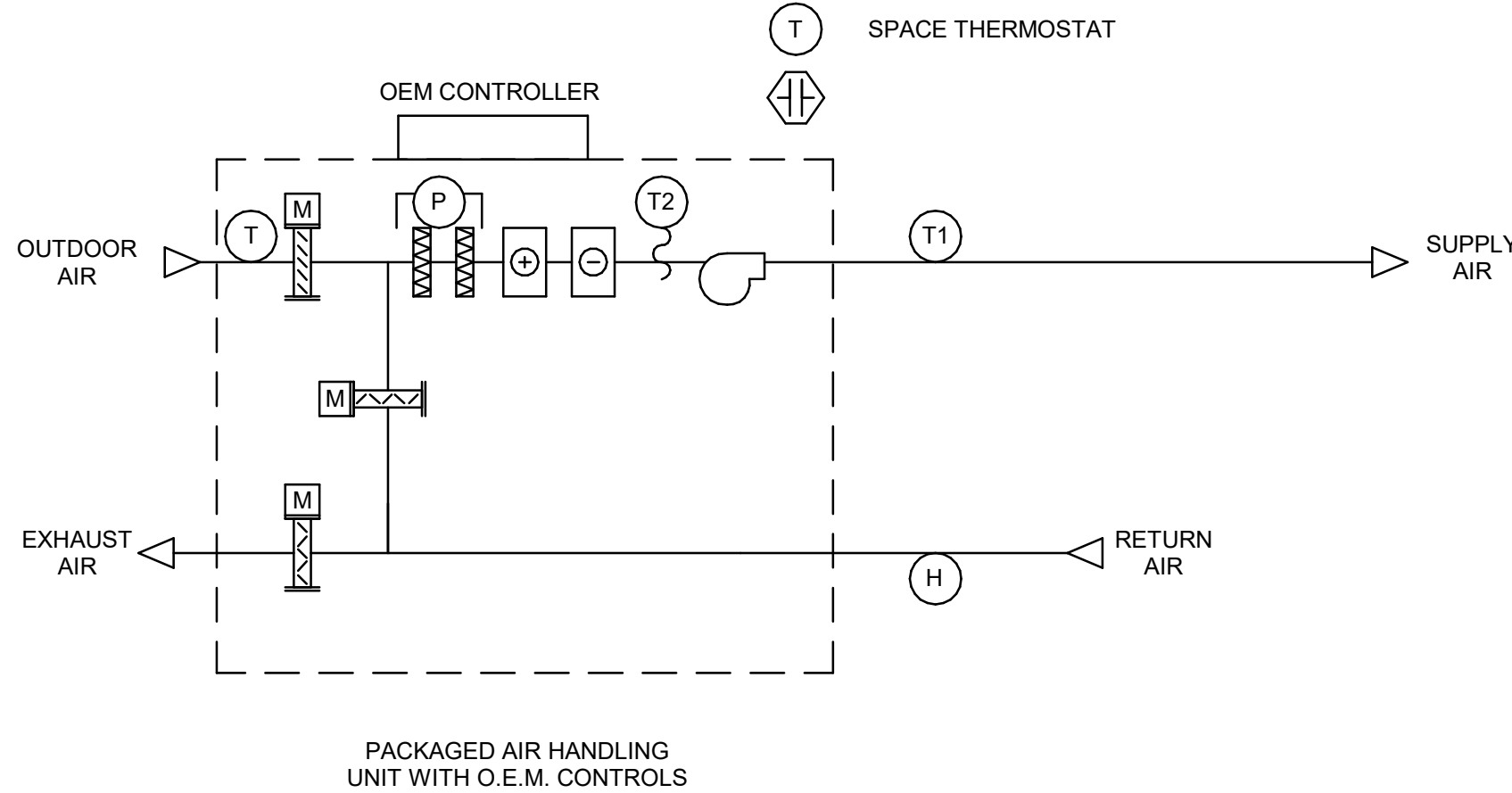
PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>S. LIU</b>
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SHEET TITLE  
**PIPING DETAILS  
SHEET 2 OF 2**

SHEET NUMBER <b>G03-GAL-D3602</b>	ISSUE <b>F</b>
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5 PACKAGED ROOFTOP HVAC SYSTEM CONTROL SEQUENCE - NO BAS CONTROL  
D3701 Scale: N.T.S



**SYSTEM START**  
AIR HANDLING UNIT START-UP ON TIME SCHEDULE

**NORMAL OPERATION OEM CONTROL**  
AIR HANDLING UNIT OPERATES UNDER O.E.M. CONTROL.

**TEMPERATURE CONTROL**  
OEM CONTROL MODULATES OUTDOOR AIR, RETURN AIR AND EXHAUST AIR DAMPERS IN AN AIR-ECONOMIZER CYCLE TO MAINTAIN SPACE AIR TEMPERATURE SETPOINT. MECHANICAL COOLING SUPPLEMENTS THE ECONOMIZER COOLING AS REQUIRED

- SPACE AIR TEMPERATURE SETPOINT: 25°C
- ECONOMIZER CUTOFF TEMPERATURE SETPOINT > 18°C

WHEN RETURN AIR RELATIVE HUMIDITY LEVEL > 55%, STOP AIR-ECONOMIZER CYCLE; START MECHANICAL COOLING.

**SYSTEM STOP**  
OPERATOR INITIATED OR BY OPERATING SCHEDULE.

ON COMMAND OR SCHEDULE STOP ESS, SUPPLY AND RETURN FANS STOP. OUTDOOR AIR AND EXHAUST DAMPERS CLOSE, AND RECIRCULATION DAMPER OPENS.

**SCHEDULE**  
TO BE DETERMINED DURING SYSTEM COMMISSIONING

**FIRE ALARM**  
N/A

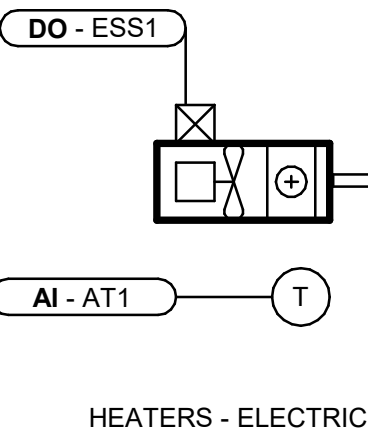
**ALARMS**  
ALARM ON OEM CONTROLLER:

- HIGH FILTER PRESSURE DROP > 2 IN. W.C.
- AIR HANDLING UNIT GENERAL FAULT
- HIGH BUILDING RELATIVE HUMIDITY > 60% RH
- HIGH SPACE AIR TEMPERATURE > 25C
- LOW SPACE AIR TEMPERATURE < 10C

**MONITOR**  
N/A

**TREND LOGS**  
N/A

**EMERGENCY POWER**  
NO



**SYSTEM START**  
B.M.S. ENABLES UNIT HEATER WHEN OUTDOOR AIR TEMPERATURE IS < 10°C

**NORMAL OPERATION**  
SPACE TEMPERATURE SENSOR CYCLES UNIT HEATER ON/OFF TO MAINTAIN SPACE TEMPERATURE SETPOINT [20°C]

**SYSTEM STOP**  
CONTINUOUS OPERATION

**SCHEDULE**  
CONTINUOUS OPERATION

**FIRE ALARM**  
N/A

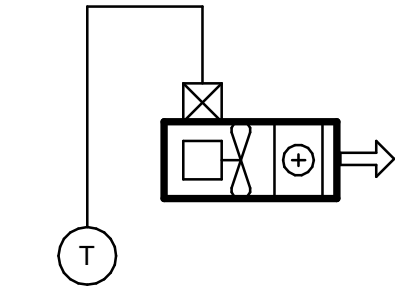
**ALARMS**  
LOW SPACE TEMPERATURE (<10C)

**MONITOR**  
SPACE TEMPERATURE

**TREND LOGS**  
N/A

**EMERGENCY POWER**  
NO

3 ELECTRIC HEATER CONTROL SEQUENCE - WITH BMS  
D3701 Scale: N.T.S



**SYSTEM START**  
OPERATOR MANUALLY ENERGIZES THE UNIT HEATER LOCALLY. NO B.M.S. CONTROL

**NORMAL OPERATION**  
HARD-WIRED SPACE TEMPERATURE SWITCH CYCLES UNIT HEATER ON/OFF TO MAINTAIN SPACE TEMPERATURE SETPOINT [20°C]

**SYSTEM STOP**  
CONTINUOUS OPERATION

**SCHEDULE**  
CONTINUOUS OPERATION

**FIRE ALARM**  
N/A

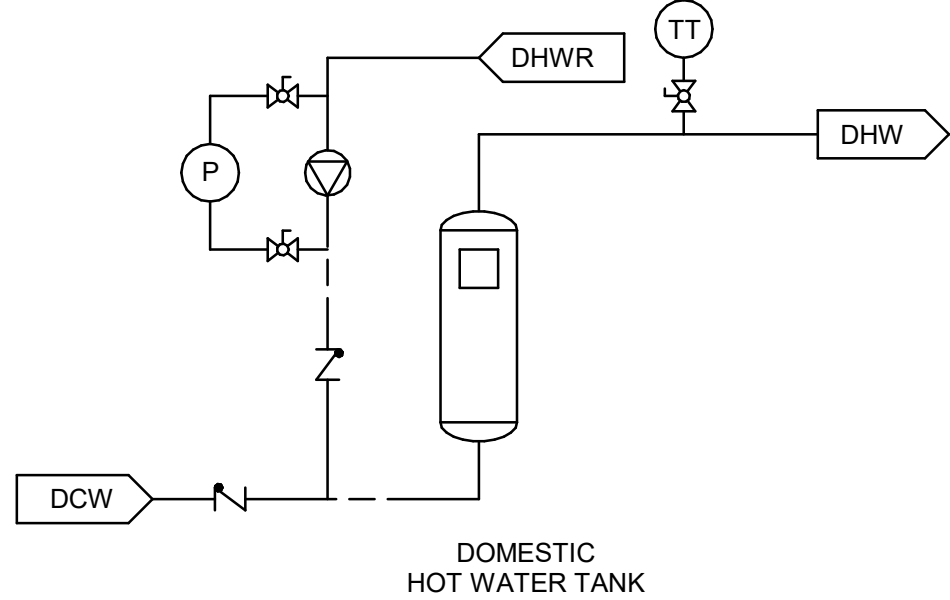
**ALARMS**  
N/A

**MONITOR**  
N/A

**TREND LOGS**  
N/A

**EMERGENCY POWER**  
NO

4 ELECTRIC HEATER CONTROL SEQUENCE - NO BMS  
D3701 Scale: N.T.S



**SYSTEM START**  
RECIRCULATION PUMP STARTS. ENABLE HOT WATER TANK

**NORMAL OPERATION**  
WATER HEATER OPERATE UNDER OEM CONTROL TO MAINTAIN WATER LEAVING TEMPERATURE AT 60°C

RECIRCULATION PUMP OPERATES WHEN REMOTE RECIRCULATION WATER TEMPERATURE IS 50°C (ADJUSTABLE) BELOW HOT WATER SUPPLY SET POINT

**SYSTEM STOP**  
RECIRCULATION PUMP STOPS ONLY ON OPERATOR COMMAND

**SCHEDULE**  
OPERATOR DEFINED

DEFAULT = CONTINUOUS OPERATION

**FIRE ALARM**  
N/A

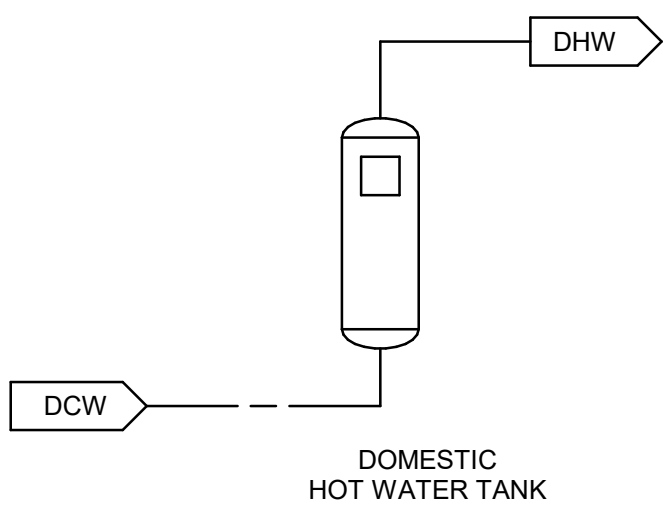
**ALARMS**  
N/A

**MONITOR**  
N/A

**TREND LOGS**  
N/A

**EMERGENCY POWER**  
NO

2 HOT WATER TANK (WITH RECIRCULATION PUMP) CONTROL SEQUENCE - NO BMS CONTROL  
D3701 Scale: N.T.S



**SYSTEM START**  
SYSTEM ENABLED ON OPERATOR COMMAND

**NORMAL OPERATION**  
WATER HEATER OPERATE UNDER OEM CONTROL TO MAINTAIN WATER LEAVING TEMPERATURE AT 60°C

**SYSTEM STOP**  
SYSTEM DISABLED ON OPERATOR COMMAND

**SCHEDULE**  
OPERATOR DEFINED

DEFAULT = CONTINUOUS OPERATION

**FIRE ALARM**  
N/A

**ALARMS**  
N/A

**MONITOR**  
N/A

**TREND LOGS**  
N/A

**EMERGENCY POWER**  
NO

1 HOT WATER TANK CONTROL SEQUENCE - NO BMS CONTROL  
D3701 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
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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

PROJECT NO:  
9119- 19- 0162 / Arcadis 30279056

DRAWN BY:  
**N. KHOURY**

CHECKED BY:  
**G. VERNESCU**

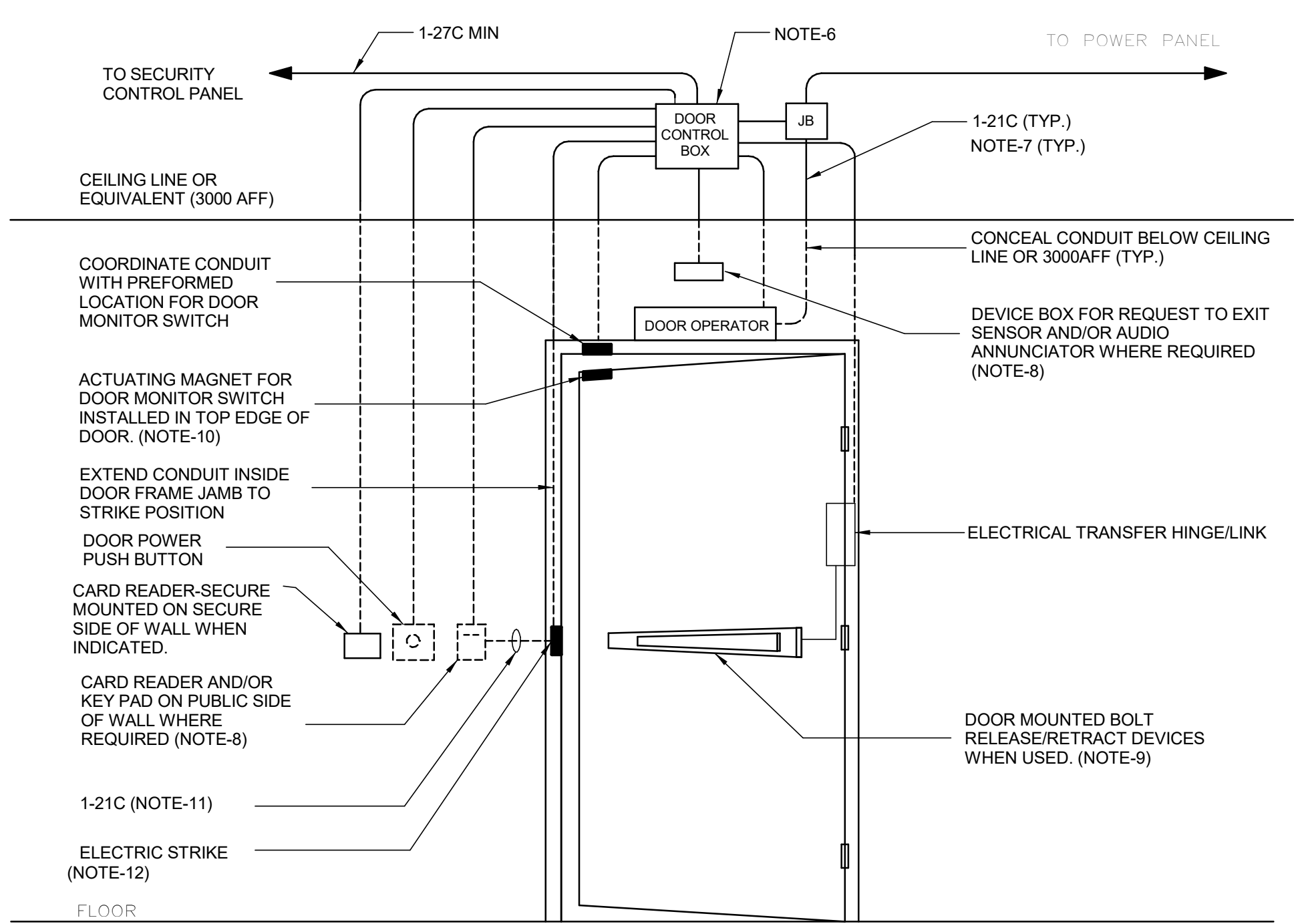
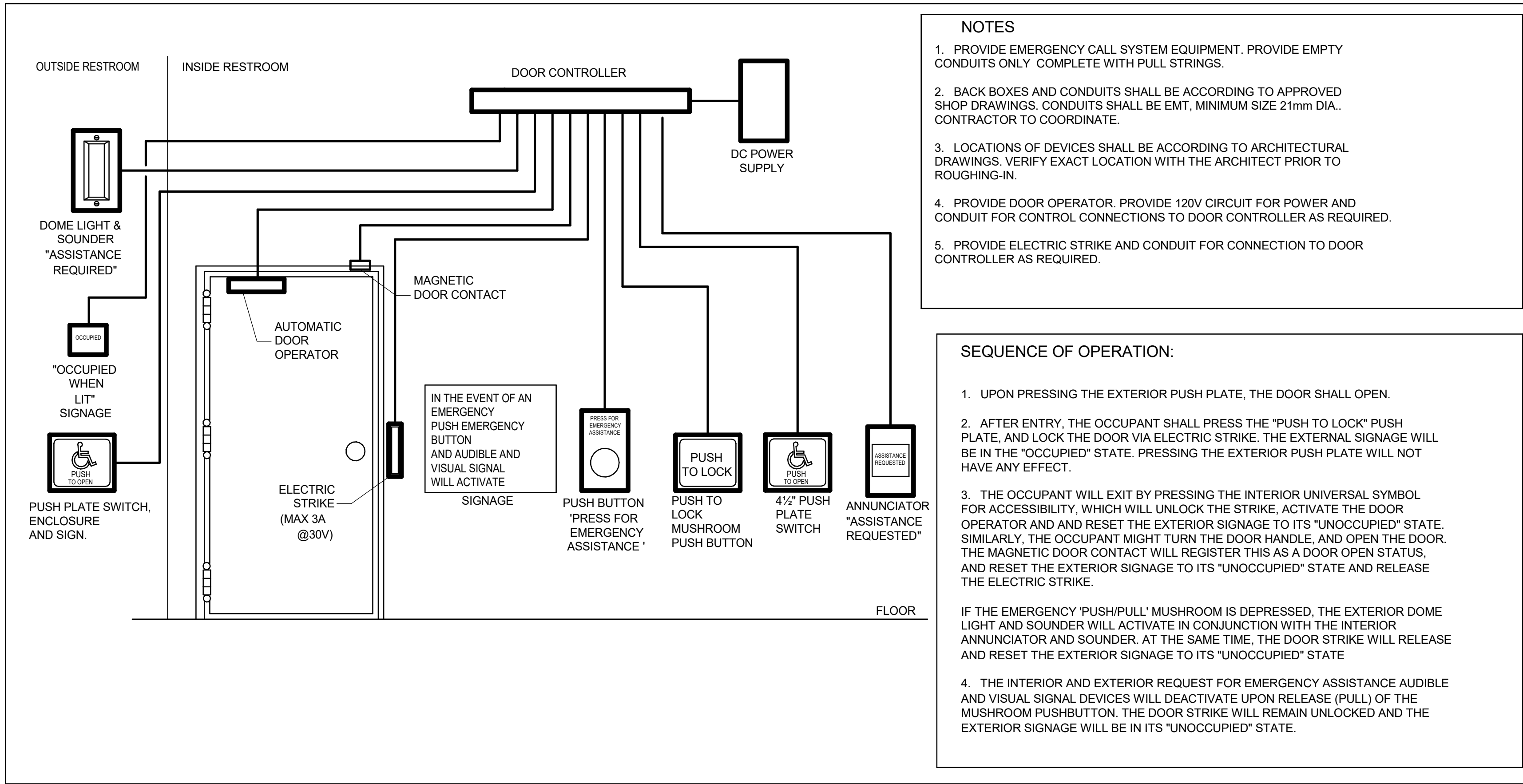
PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**S. LIU**

SHEET TITLE  
**CONTROL DETAILS**

SHEET NUMBER  
**G03-GAL-D3701**

ISSUE  
**E**



1 UNIVERSAL WASHROOM DETAIL  
D4001 Scale: NTS

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

CLIENT

CITY OF TORONTO

Corporate Real Estate Management  
Project Management Office  
Metro Hall Toronto, ON  
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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:  
V. MAC

CHECKED BY:  
M. BOJIC

PROJECT MGR:  
N. FRISCI

APPROVED BY:  
P. WILLIAMS

SHEET TITLE

ELECTRICAL DETAILS 1

SHEET NUMBER

D4001

ISSUE

D

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 DETECTION.
2. NO SPLICES ARE ALLOWED FOR COMMUNICATION CABLES.
3. NO SPLICES ARE ALLOWED BELOW GRADE FOR POWER WIRE AND CABLE.
4. THERE MUST BE A BREAK IN ALL UNDERGROUND CONDUITS OUTSIDE THE BUILDING/TOWERS/ELECTRICAL/COMMUNICATIONS/BOILER ROOM TO ALLOW DRAINAGE OF RACEWAY BEFORE ENTERING THE ROOMS.
5. PROVIDE LAYOUT (WITH DIMENSIONS) OF ALL UNDERGROUND PULL POINTS INCLUDING HAND HOLES, MAN HOLES AND CONCRETE PULL BOXES TO THE CONSULTANT FOR APPROVAL PRIOR TO INSTALLATION.
6. INSTALL HAND HOLES AWAY FROM MAJOR TRAFFIC AREAS (TYPICAL).
7. PROVIDE HEAT TRACING PROTECTION FOR WATER PIPES, STORM PIPES AND SANITARY PIPES AS SHOWN ON ELECTRICAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR PIPING LAYOUT. HEAT TRACING SHALL BE RAYCHEM MODEL 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 MOUNTED FIRE, ELEVATOR FIRE, OR SMOKE DETECTOR 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 (CONCRETE PULL BOXES, HAND HOLES OR MAN HOLES). WHERE OEC REQUIRES ADDITIONAL PULL POINTS FOR WIRING SEPARATION, PROVIDE ADDITIONAL CONCRETE PULL BOX (OR HAND HOLE) AS REQUIRED. IF AN ADDITIONAL MAN HOLE IS REQUIRED, IT IS PREFERRED TO PROVIDE AN ADDITIONAL HAND HOLE OR CONCRETE PULL BOX IF POSSIBLE.

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Project Management Office  
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M5V 3C6

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No.	DESCRIPTION	DATE
A	50% SUBMISSION	2022-01-20
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## PROJECT ADDRESS

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 NUMBER

G03-G4003

ISSUE

SCALE CHECK

# CITY OF TORONTO

# ACCESSIBILITY UPGRADES

TOUCH AND FEEL INDEX	
SHEET #	SHEET TITLE
T00	COVER PAGE
T01	WASHROOM
T02	WASHROOM ACCESSORIES
T02.1	WASHROOM ACCESSORIES
T03	WASHROOM FIXTURES & DRINKING FOUNTAIN
T04	KITCHEN MATERIALS AND FIXTURES
T05	RESERVED
T06	TACTILE ATTENTION INDICATORS
T07	TEXTURAL & COLOUR CONTRAST WARNING STRIP AND NOSING
T08	DOOR THRESHOLDS



CITY OF  
TORONTO  
ACCESSIBILITY  
UPGRADES



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## 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

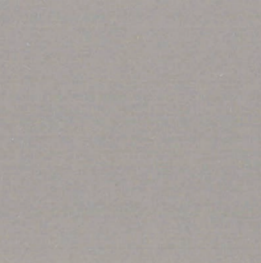
WASHROOM FINISHES	
WASHROOM / SHOWER WALLS	COLLECTION: COLOUR & DIMENSION
CWT-1	COLOUR: ARCTIC WHITE MATTE
	SIZE: 100mm X 400mm (4"X16")
	SUPPLIER: OLYMPIA
WASHROOM / SHOWER WALL ACCENT	MATCH EXISTING
CWT-2	TILE SIZE IS INDICATED ON ROOM FINISH SCHEDULE
WASHROOM / SHOWER WALL ACCENT	COLLECTION: COLOUR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



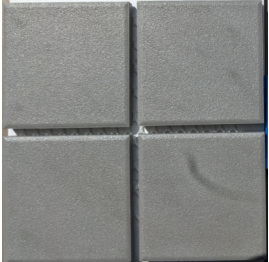
CWT-3



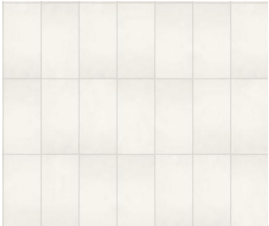
CWT-4



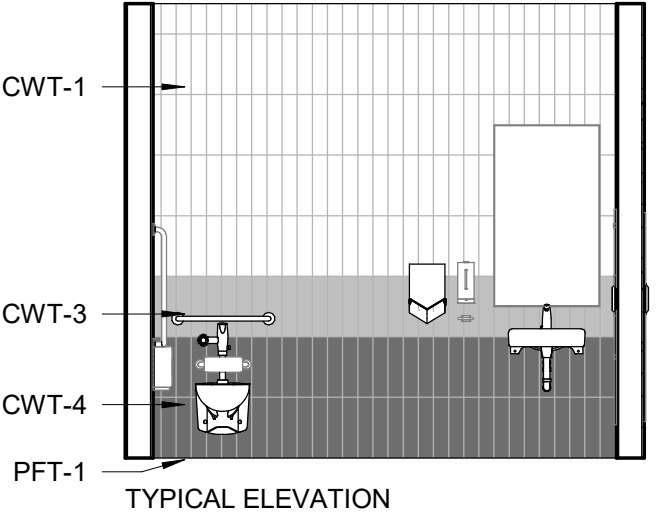
PFT-1



PFT-2



PFT-4



PICTURE 1



PICTURE 2

NOTE: PICTURES ARE ONLY FOR ILLUSTRATION PURPOSES



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CITY OF TORONTO  
ACCESSIBILITY UPGRADES  
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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)



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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



**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

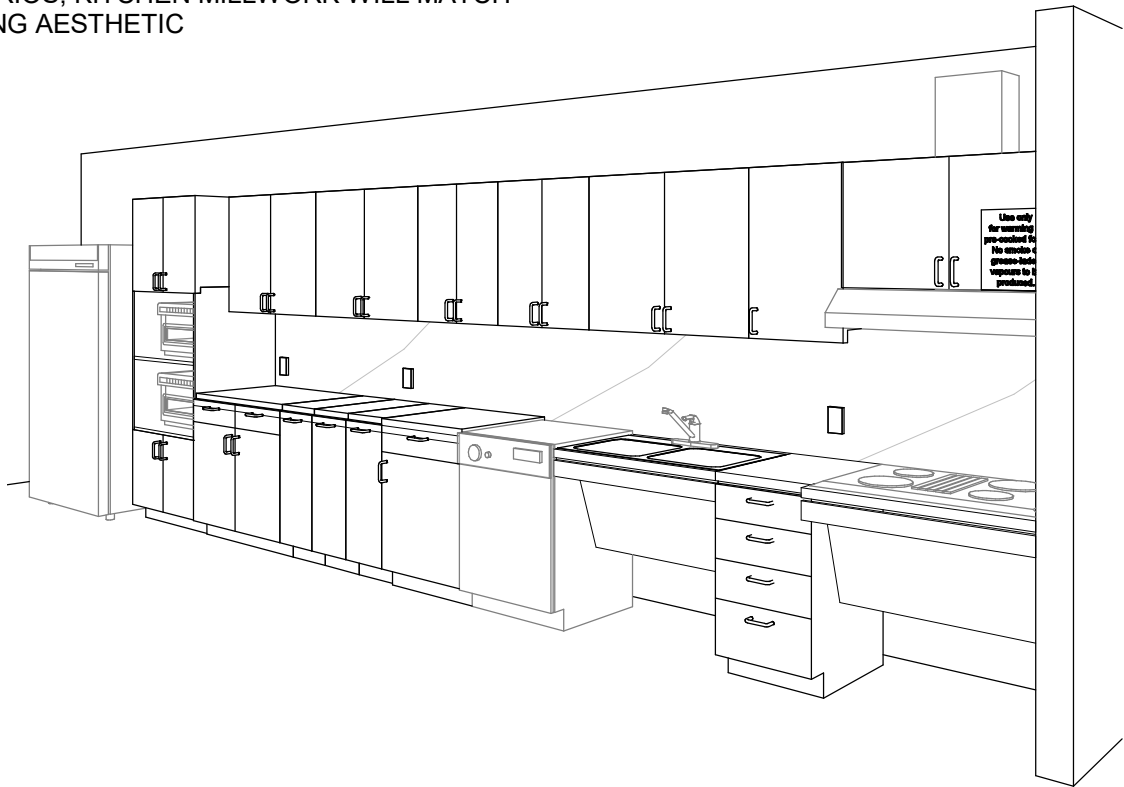
Issue: ISSUED FOR TENDER

NO.

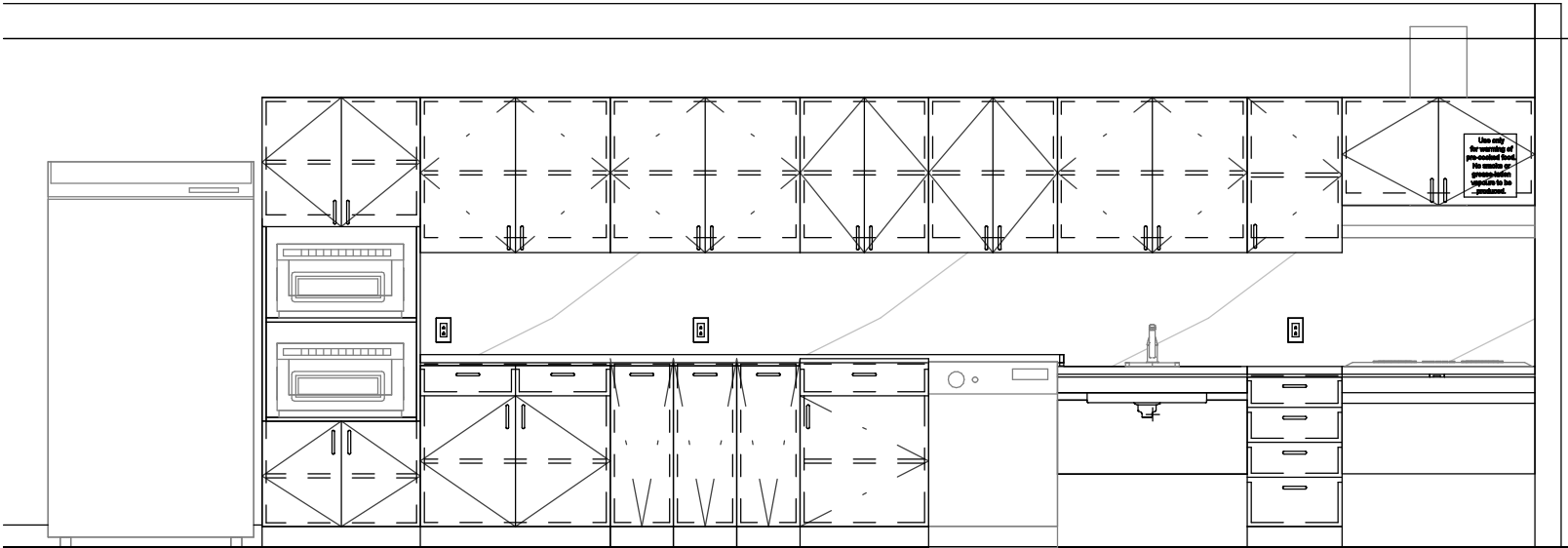
T02.1

 <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>		
 <p>100 - 175 Galaxy Blvd, Toronto, ON M9W 0C9, Canada tel 416 679 1930 www.arcadis.com</p>	 <p>CITY OF TORONTO ACCESSIBILITY UPGRADES CITY OF TORONTO ACCESSIBILITY UPGRADES</p>	<p>DRAWING TITLE: <b>WASHROOM FIXTURES &amp; DRINKING FOUNTAIN</b></p>		<p><b>Project No:</b> 9119- 19- 0162 / Arcadis 30279056</p> <p><b>Date:</b> 2025-04-11</p> <p><b>Issue:</b> ISSUED FOR TENDER</p>	<p><b>NO.</b></p> <p><b>T03</b></p>

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

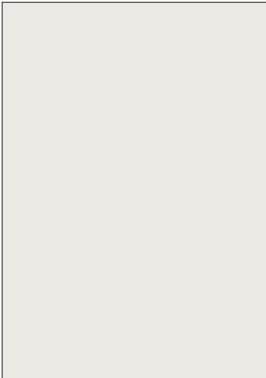
PERSPECTIVE & ELEVATION VIEWS ARE REPRESENTATIVE ONLY - REFER TO BUILDING-SPECIFIC DRAWINGS



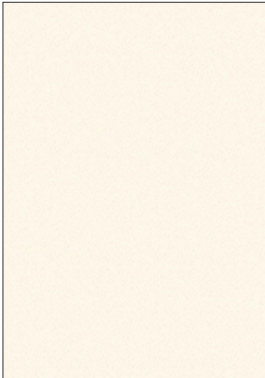
**COUNTERTOP AND BACKSPLASH: Q-1**  
CAESARSTONE - QUARTZ  
SUPERNATURAL COLLECTION  
1111 VIVID WHITE



**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

RESERVED

RESERVED

RESERVED



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DRAWING TITLE:

RESERVED

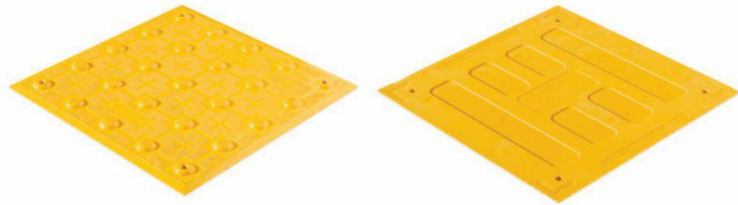
Project No: 9119- 19- 0162 / Arcadis 30279056

Date: 2025-04-11

Issue: ISSUED FOR TENDER

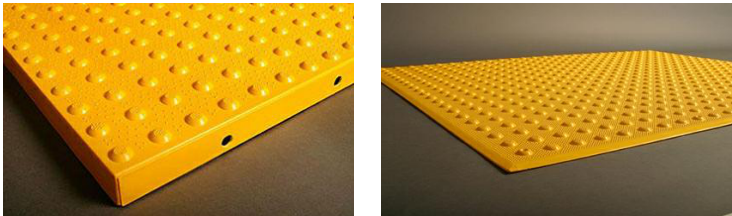
NO.

T05



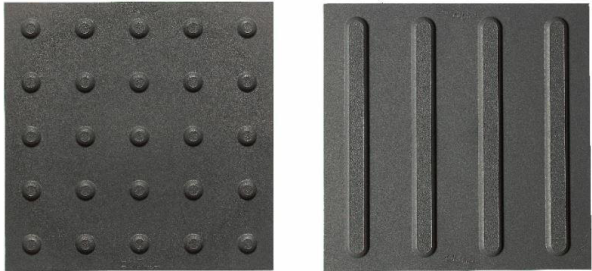
TA - 1a (SURFACE MOUNTED) INTERIOR AND EXTERIOR  
TA - 1b (CAST IN PLACE) EXTERIOR  
TA - 1c (SURFACE MOUNTED FIRE RATED) INTERIOR

- 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



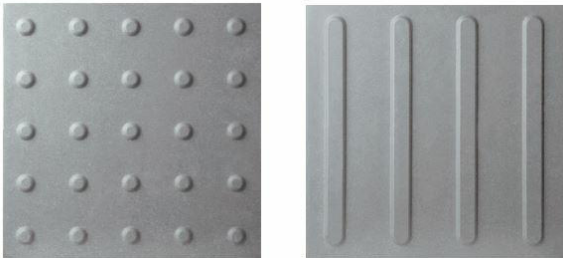
TA - 2a (SURFACE MOUNTED) INTERIOR AND EXTERIOR  
TA - 2b (CAST IN PLACE) EXTERIOR

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



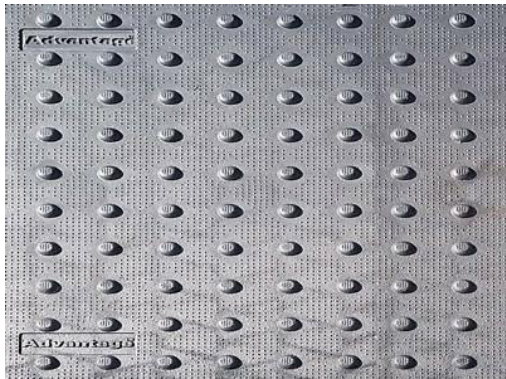
TA - 3

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



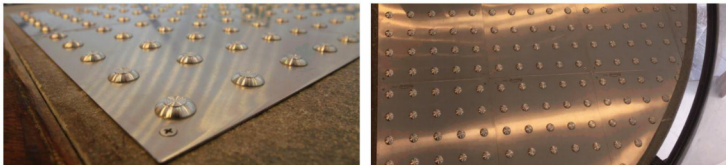
TA - 4

- 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



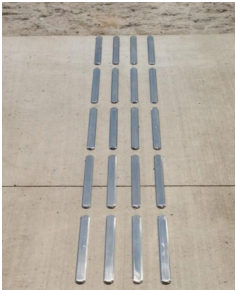
TA - 6

- 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



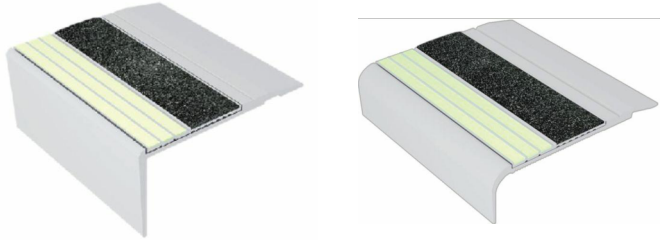
**TA - 11 INTERIOR AND EXTERIOR TEXTURAL WARNING STRIP**

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



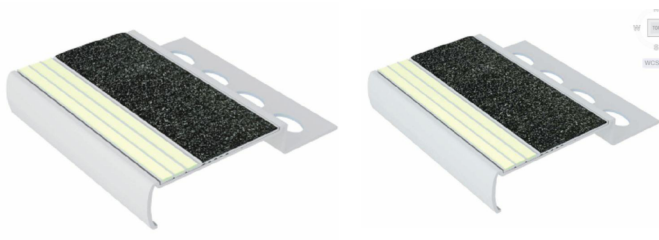
**TA - 12 EXTERIOR CAST IN PLACE CONTRAST AND TEXTURAL WARNING STRIP**

- 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



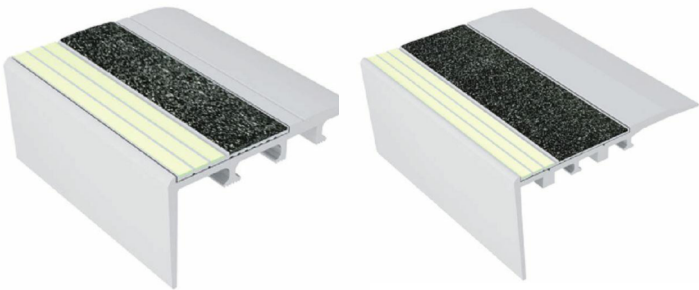
**TA - 16 INTERIOR AND EXTERIOR USE (ON EXISTING) ON SMOOTH SURFACES STAIR NOSING FOR: TILE, CONC, WOOD, CARPET, VINYL.**

- 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**

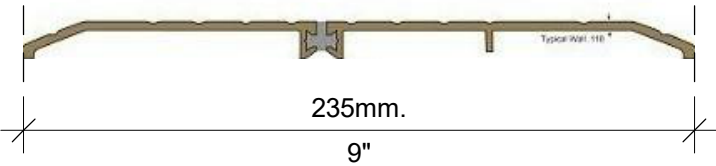
TH-1a

SMOOTH 6" WIDE THRESHOLD WITH ANTI-SLIP COATING



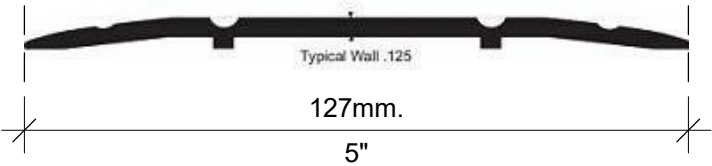
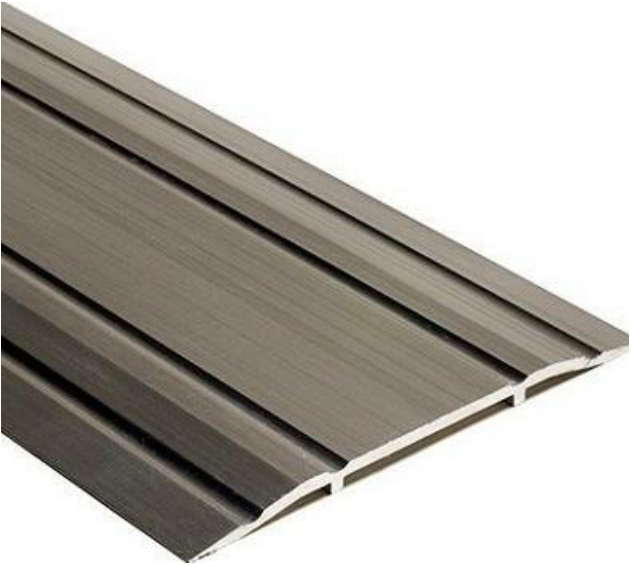
TH-2a

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)



# CITY OF TORONTO ACCESSIBILITY UPGRADES

Arcadis 30279056

POLICE - BAIL & PAROLE ENFORCEMENT OFFICE  
2440 LAWRENCE AVE E

GROUP 03  
SEQ 141



ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2022-04-27
B	90% SUBMISSION	2022-07-29
C	ISSUED FOR PERMIT	2022-08-24
D	ISSUED FOR TENDER	2025-04-11

CITY OF TORONTO  
ACCESSIBILITY UPGRADES  
PROGRAM GROUP 03

NOT FOR CONSTRUCTION

ISSUED FOR TENDER



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PROJECT NO:  
Arcadis 30279056

DATE:  
2025-05-06

SHEET NUMBER  
G03-141-G0001

ISSUE  
D

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

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

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

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

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

CLIENT

CITY OF TORONTO



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

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ISSUES

No.	DESCRIPTION	DATE
A	50% SUBMISSION	2022-04-27
B	90% SUBMISSION	2022-07-29
C	ISSUED FOR PERMIT	2022-08-24
D	ISSUED FOR TENDER	2025-04-11

CONSULTANTS

SEAL

PRIME CONSULTANT



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PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE  
ENFORCEMENT OFFICE  
2440 LAWRENCE AVE E

PROJECT NO:  
Arcadis 30279056

DRAWN BY:  
J.SUN

CHECKED BY:  
L. BANDIERA

PROJECT MGR:  
N. FRISCH

APPROVED BY:  
M. KOTBY

SHEET TITLE

DRAWING LIST

SHEET NUMBER

G03-141-G0002

ISSUE

D

5/6/2025 10:37:45 AM

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1 of 1

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  
POLICE – BAIL & PAROLE ENFORCEMENT OFFICE,  
ACCESSIBILITY UPGRADES

Location  
2440 LAWRENCE AVE E, SCARBOROUGH, ON M1P 2R5

ITEM

Ontario's 2012 Building Code  
Data Matrix Part 3 or 9

REMARKS

1. PROJECT DESCRIPTION

☐ New  
☐ Addition  
☐ CHANGE OF USE ☒ Alteration

☐ PART 11  
11.1 to 11.4

2. MAJOR OCCUPANCY(S)  
SUBSIDIARY OCCUPANCY(S)

GROUP B, DIVISON 1 - DETENTION OCCUPANCIES

3.1.2.1. (1)

9.10.2.

EXISTING NO CHANGE

3. BUILDING AREA (m²)

EXISTING - 741.1

NEW - 0.0

TOTAL - 741.1

1.4.1.2. [A]

1.4.1.2. [A]

4. GROSS AREA (m²)

EXISTING - 772.1

NEW - 0.0

TOTAL - 772.1

1.4.1.2. [A]

1.4.1.2. [A]

EXISTING NO CHANGE

5. NUMBER OF STOREYS

ABOVE GRADE - 1

BELOW GRADE - 0

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

3.2.2.37.

9.10.2.

8. SPRINKLER SYSTEM PROPOSED

☐ ENTIRE BUILDING  
☐ SELECTED COMPARTMENTS  
☐ SELECTED FLOOR AREAS  
☐ BASEMENT ☐ IN LIEU OF ROOF RATING  
☐ NOT REQUIRED

3.2.2.37  
3.2.1.5  
3.2.2.17  
INDEX  
INDEX

9.10.8.2

EXISTING NO CHANGE

9. STANDPIPE REQUIRED  
STANDPIPE PROVIDED

☐ YES ☐ NO  
☐ YES ☐ NO

3.2.9.

N/A

EXISTING NO CHANGE

10. FIRE ALARM REQUIRED  
FIRE ALARM PROVIDED

☐ YES ☐ NO  
☐ YES ☐ NO

3.2.4.

9.10.18.

EXISTING NO CHANGE

11. WATER SERVICE/SUPPLY  
IS ADEQUATE

☐ YES ☐ NO

3.2.5.7.

N/A

EXISTING NO CHANGE

12. HIGH BUILDING

☐ YES ☒ NO

3.2.6.

N/A

13. CONSTRUCTION RESTRICTIONS

☐ COMBUSTIBLE ☐ NON-COMBUSTIBLE ☐ BOTH  
PERMITTED REQUIRED  
☐ COMBUSTIBLE ☐ NON-COMBUSTIBLE ☐ BOTH

3.2.2.37.

9.10.6.

EXISTING NO CHANGE

14. MEZZANINE (S) AREA m²

23.8

3.2.1.1. (3) - (8)

9.10.4.1.

15. OCCUPANT LOAD BASED ON

☐ m²/PERSON  
☐ 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

☒ YES ☐ 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

☐ YES ☒ NO

3.3.1.2 & 3.3.1.19

9.10.1.3.(4)

18a. REQUIRED FIRE  
RESISTANCE RATING  
(FRR)

HORIZONTAL ASSEMBLIES  
FRR (HOURS)  
FLOORS N/A  
ROOF N/A  
MEZZANINE N/A

3.2.2.37.  
& 3.2.1.4.

9.10.8.  
9.10.9.

ITEM

Ontario's 2012 Building Code  
Data Matrix Part 3 or 9

REMARKS

18b. REQUIRED FIRE  
RESISTANCE RATING  
(FRR)

FRR OF SUPPORTING  
MEMBERS  
FLOORS N/A  
ROOF N/A  
MEZZANINE

3.2.2.37.  
3.2.2.37.

SB-2 TABLE 2.1.1.  
SB-2 TABLE 2.1.1.

19. SPATIAL SEPARATION - CONSTRUCTION OF EXTERIOR WALLS

3.2.3.  
9.10.14.

EXISTING NO CHANGE

20. PLUMBING FIXTURE REQUIREMENTS

MALE / FEMALE COUNT @  
EXCEPT AS NOTED OTHERWISE

EXISTING NO CHANGE

MAJOR OCCUPANCY

OCCUPANT LOAD  
X MALE  
X FEMALE

OBC TABLE NUMBER  
3.7.4.9.  
3.7.4.9.

FIXTURES  
REQUIRED  
X  
X

FIXTURES  
PROVIDED  
X  
X

3.7.4.9.  
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 REREFENCE

REMARKS

11.1 EXISTING BUILDING  
CLASSIFICATION:

DESCRIBE EXISTING  
USE:  
CONSTRUCTION INDEX:  
HAZARD INDEX:  
☒ 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:

☒ NO ☐ YES  
☒ NO ☐ YES  
☒ NO ☐ YES  
☒ NO ☐ YES  
☒ NO ☐ YES

11.4.2.  
11.4.2.1.  
11.4.2.2.  
11.4.2.3.

11.4 COMPENSATING  
CONSTRUCTION:

STRUCTURAL:  
BY INCREASE IN OCCUPANT LOAD:  
BY CHANGE OF MAJOR OCCUPANCY:  
PLUMBING:  
SEWAGE SYSTEM:

☒ NO ☐ YES (EXPLAIN)  
☒ NO ☐ YES (EXPLAIN)  
☒ NO ☐ YES (EXPLAIN)  
☒ NO ☐ YES (EXPLAIN)  
☒ NO ☐ YES (EXPLAIN)

11.4.3  
11.4.3.2  
11.4.3.3  
11.4.3.4  
11.4.3.5  
11.4.3.6

11.5 COMPLIANCE  
ALTERNATIVES  
PROPOSED:

☒ NO  
☐ YES (GIVE NUMBERS)

11.5.1

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CITY OF TORONTO

Toronto

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

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No.	DESCRIPTION	DATE
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B	90% SUBMISSION	2022-07-29
C	ISSUED FOR PERMIT	2022-08-24
D	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE  
ENFORCEMENT OFFICE  
2440 LAWRENCE AVE E

PROJECT NO:  
Arcadis 30279056

DRAWN BY:  
J.SUN

CHECKED BY:  
L. BANDIERA

PROJECT MGR:  
N. FRISCI

APPROVED BY:  
M. KOTBY

SHEET TITLE

ONTARIO BUILDING  
CODE DATA MATRIX

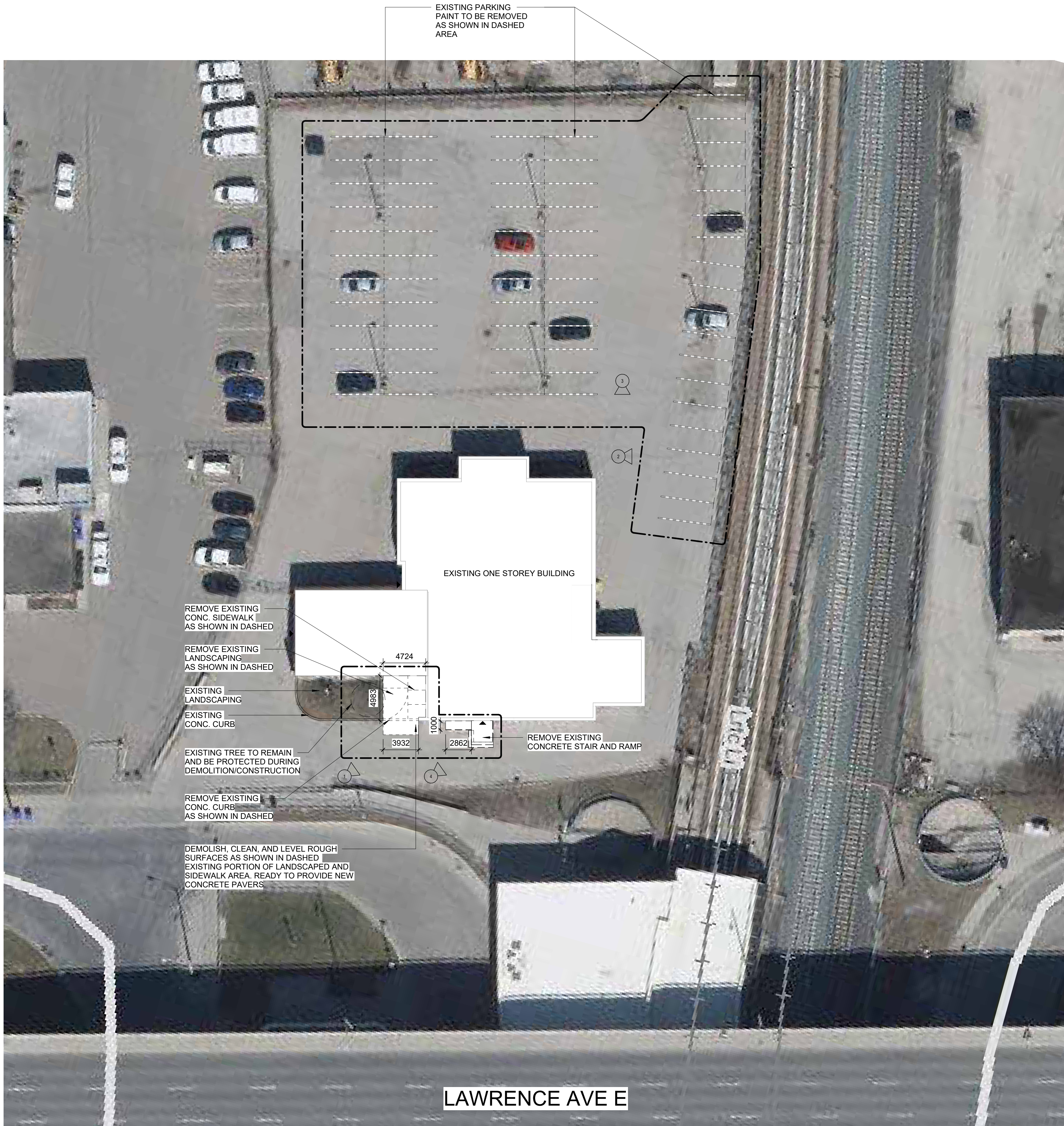
SHEET NUMBER

G03-141-G0003

ISSUE

D

Autodesk Docs/122280 - Cot TAU Upgrades/122280-TAU/3-141-2440LWRNCA-H20.rvt 1/16



1 DEMOLITION PLAN SITE PLAN  
A1001 Scale: 1 : 250

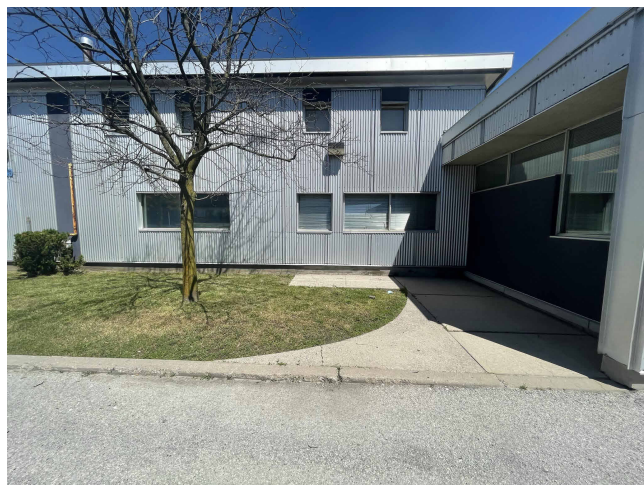


PHOTO 01 - PARKING LOT AT FRONT ENTRANCE



PHOTO 02 - PARKING LOT



PHOTO 03 - PARKING LOT

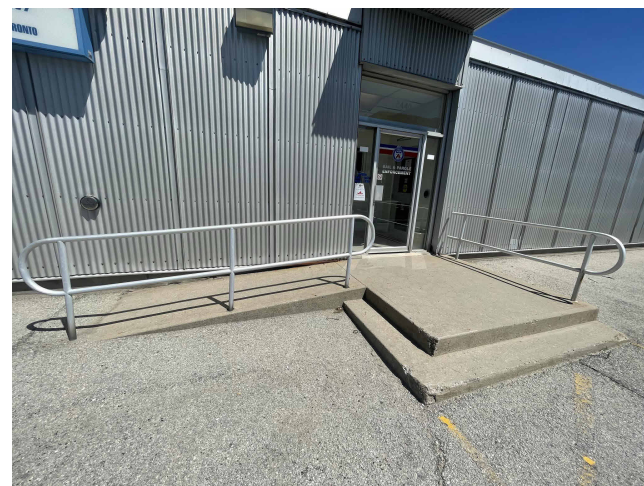


PHOTO 04 - EXTERIOR STAIR AND RAMP

SITE PLAN GENERAL NOTES	
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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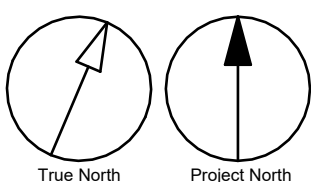
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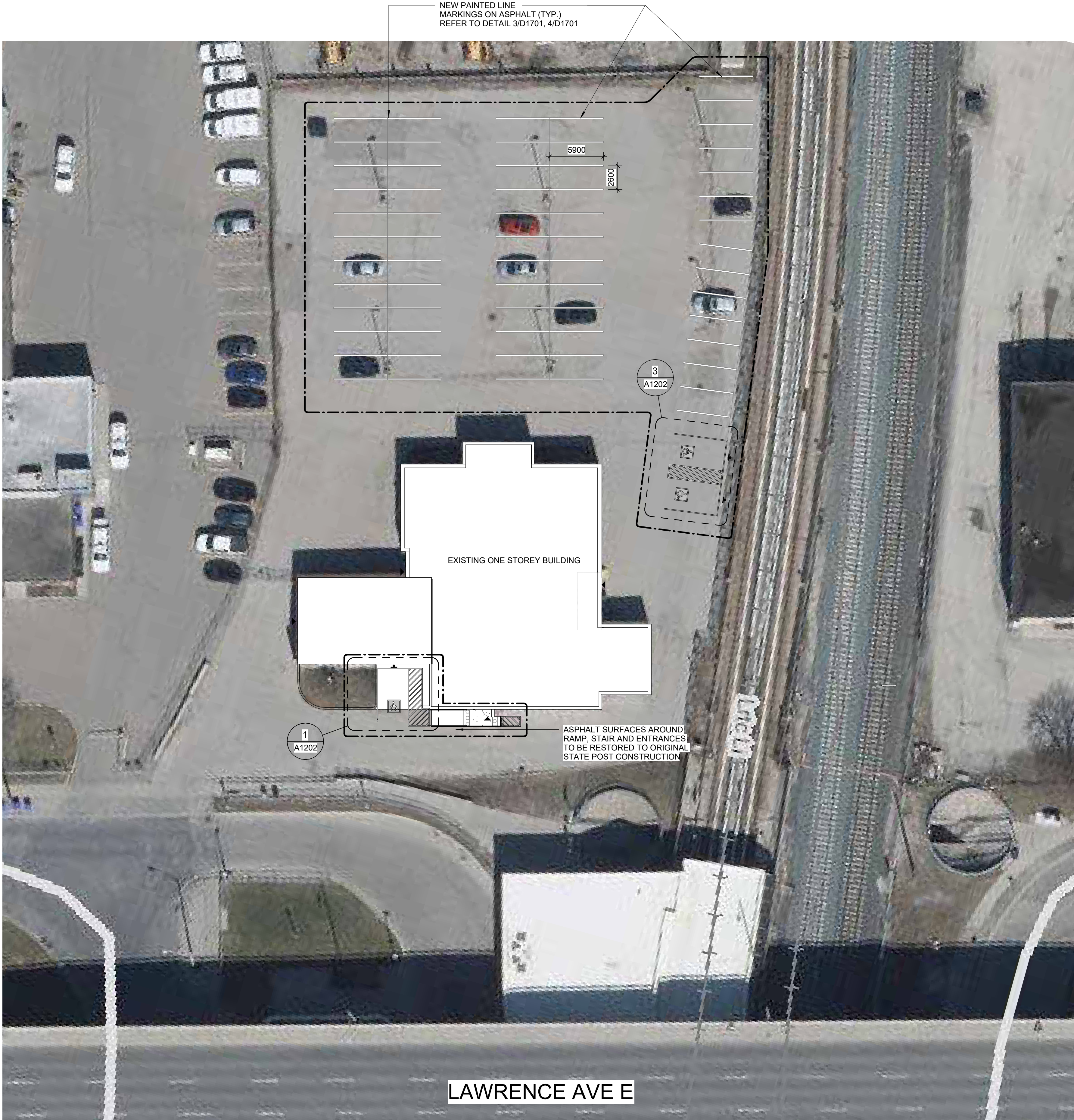
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<b>PROJECT MGR:</b> N. FRISCH	<b>APPROVED BY:</b> M. KOTBY

**SHEET TITLE**  
DEMOLITION PLAN SITE  
PLAN

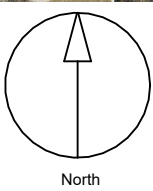
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G03-141-A1001

**ISSUE**  
D





2 KEY PLAN  
A1201 Scale: NTS



SITE LEGEND



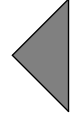
NEW BARRIER FREE PARKING SPACE - REFER TO DETAIL 1/D1701 & 5/D1701



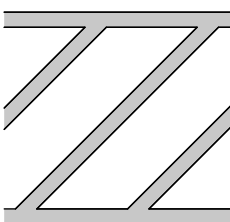
ACCESSIBLE PARKING SIGN ON POST - REFER TO DETAIL 2/D1702



EXISTING MAIN ENTRANCE



EXISTING EXIT TO REMAIN



NEW PAINTED LINE MARKING - REFER TO DETAIL 3/D1701



NEW PAINTED LINE MARKING - REFER TO DETAIL 4/D1701



DASHED AREA INDICATES AREA OF WORK

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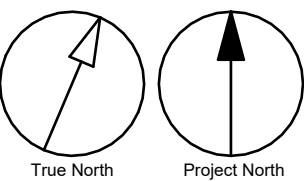
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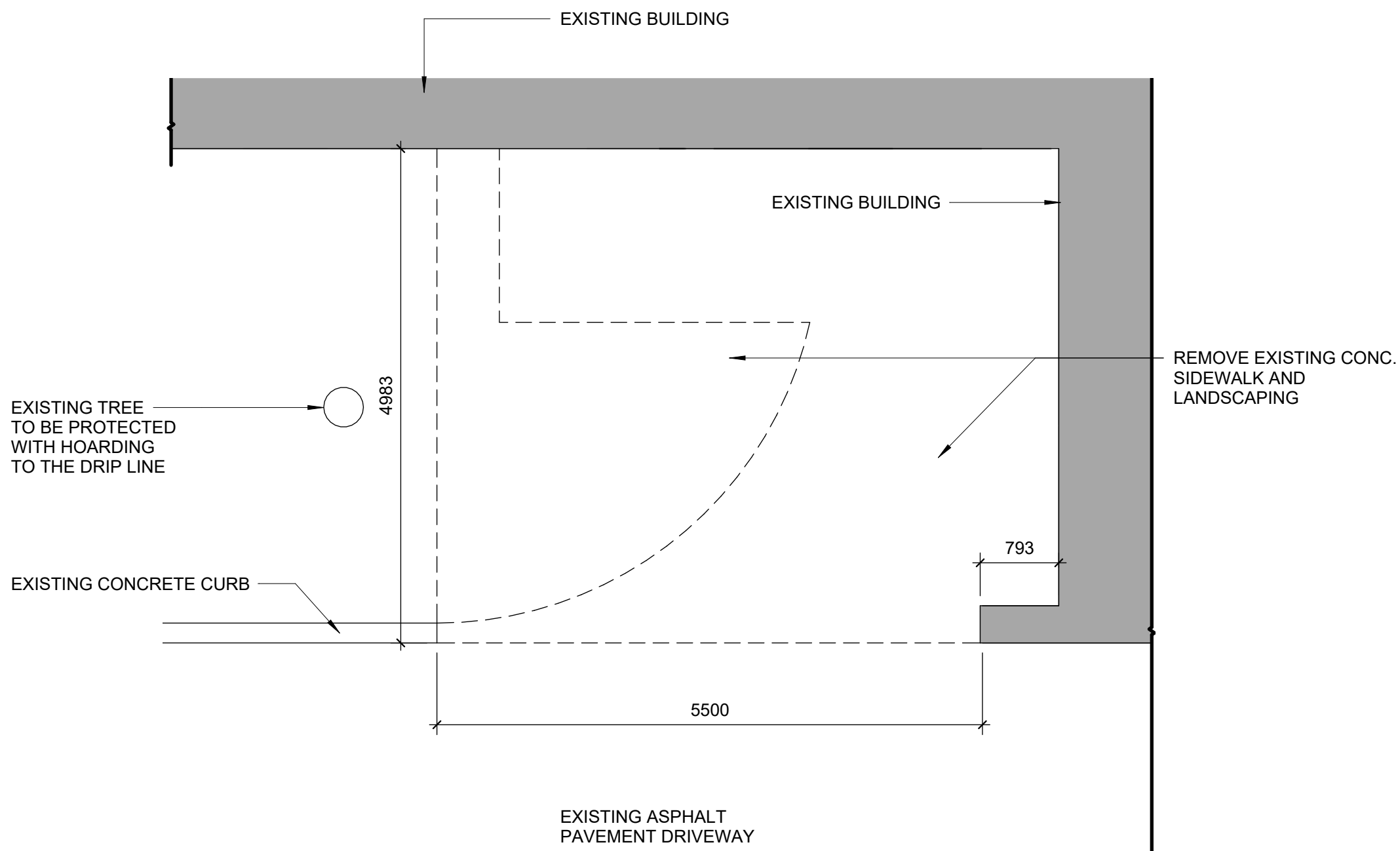
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**SITE PLAN**

SHEET NUMBER  
**G03-141-A1201**

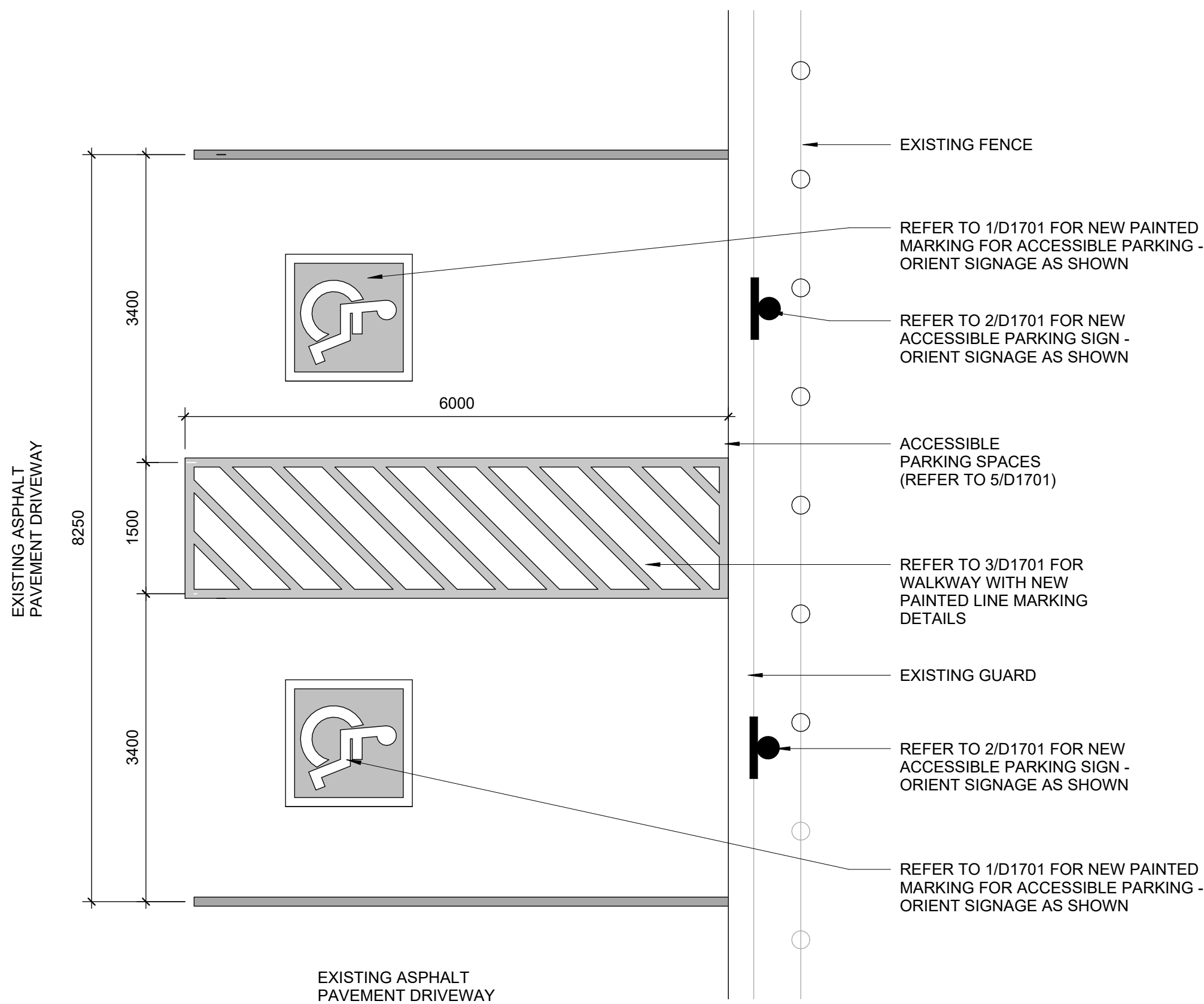
ISSUE  
**D**



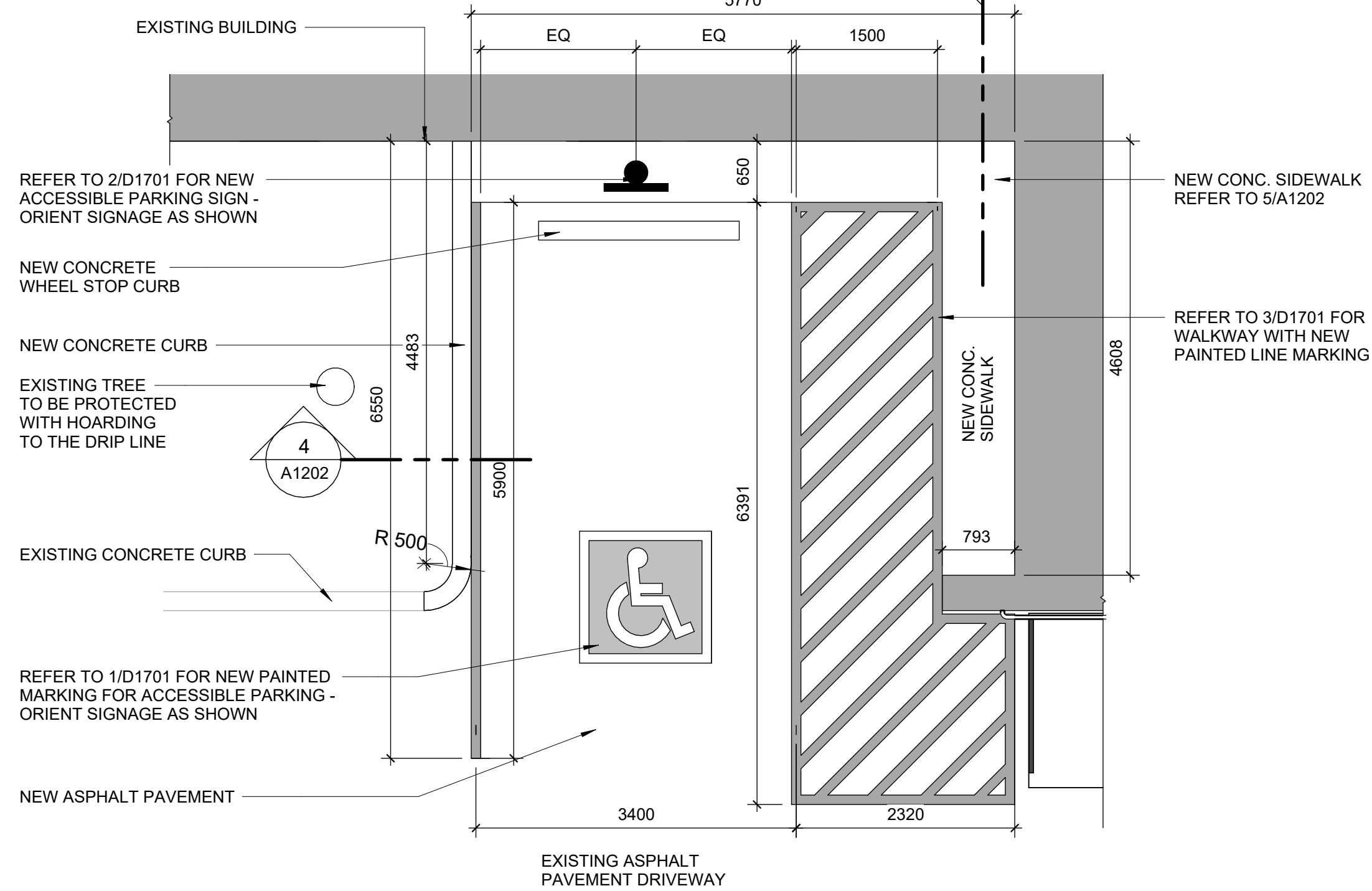
1 SITE PLAN  
A1201 Scale: 1 : 250



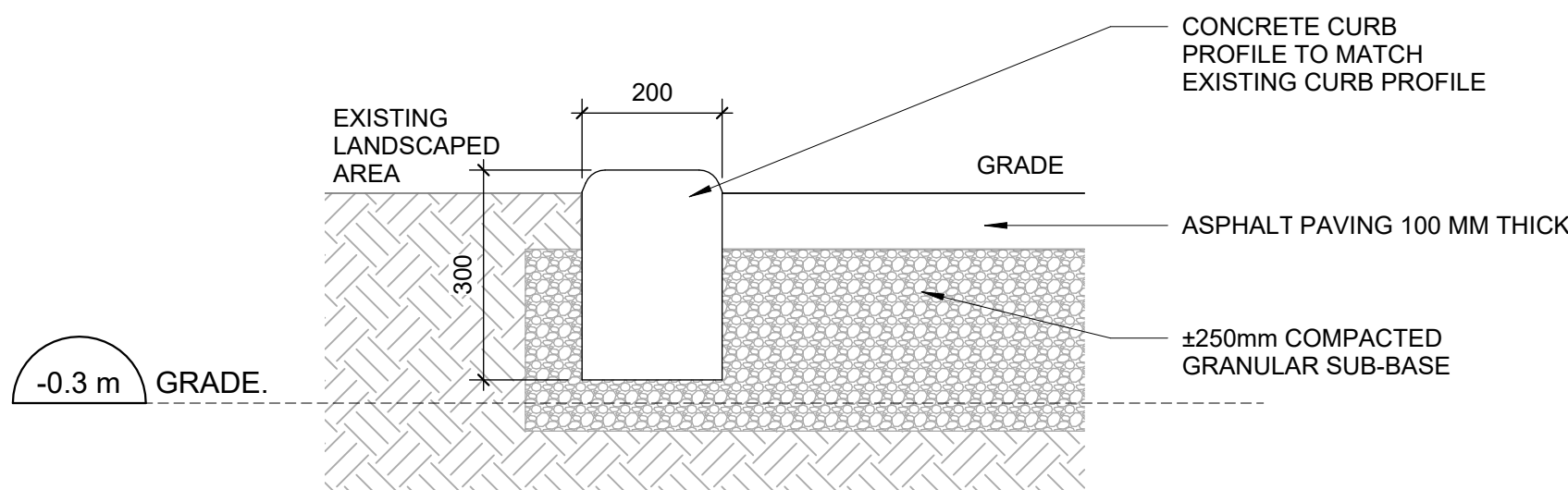
1 ENLARGED DEMOLITION PLAN  
A1202 Scale: 1 : 50



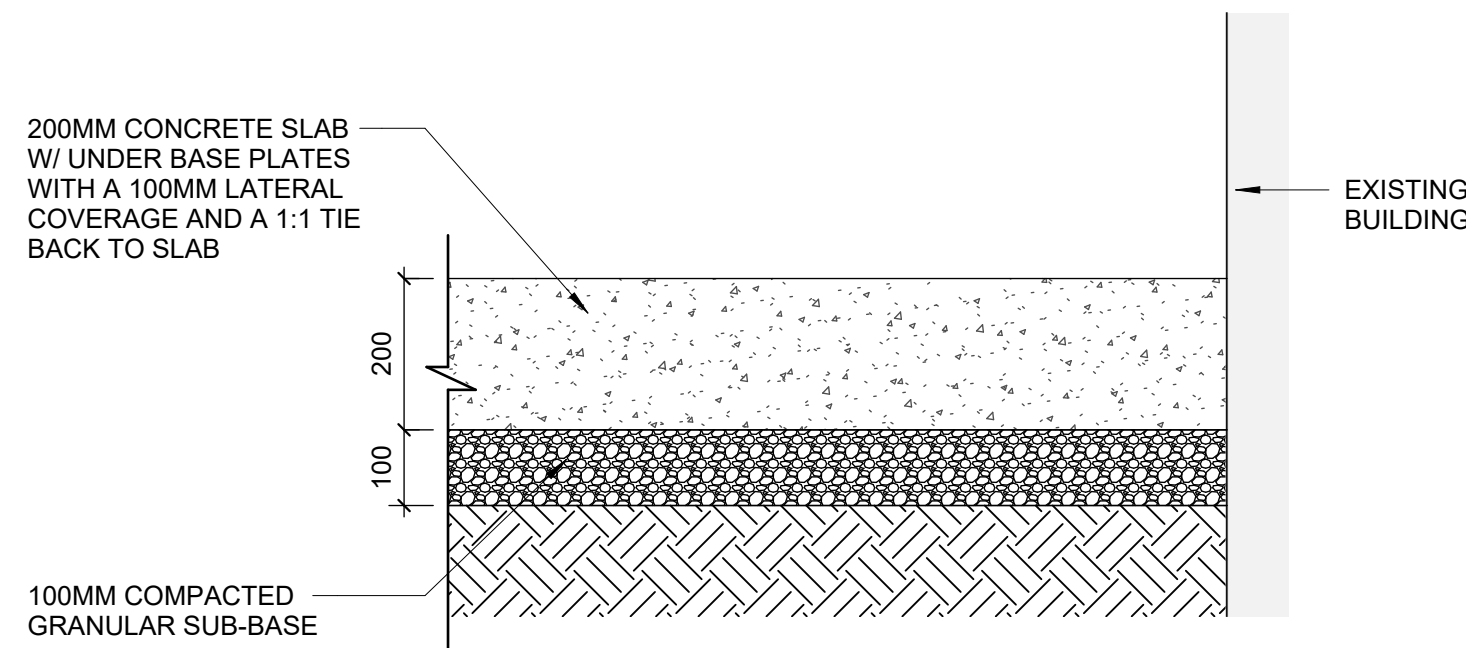
3 ACCESSIBLE PARKING DETAIL PLAN AT PARKING LOT  
A1202 Scale: 1 : 50



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

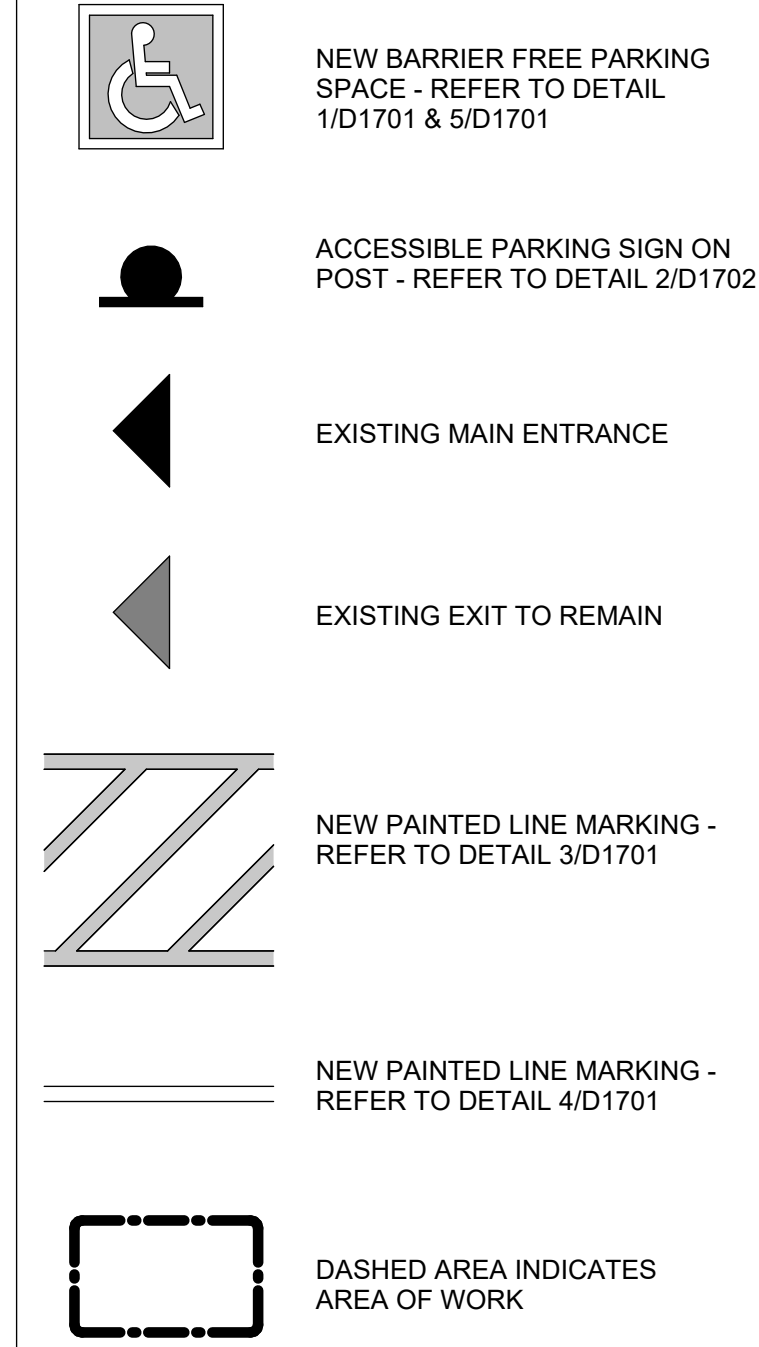


4 SECTION THROUGH ASPHALT PAVING  
A1202 Scale: 1 : 10



5 CONC. SIDEWALK - SECTION  
A1202 Scale: 1 : 10

#### SITE LEGEND



#### SITE PLAN GENERAL NOTES

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D	ISSUED FOR TENDER	2025-04-11

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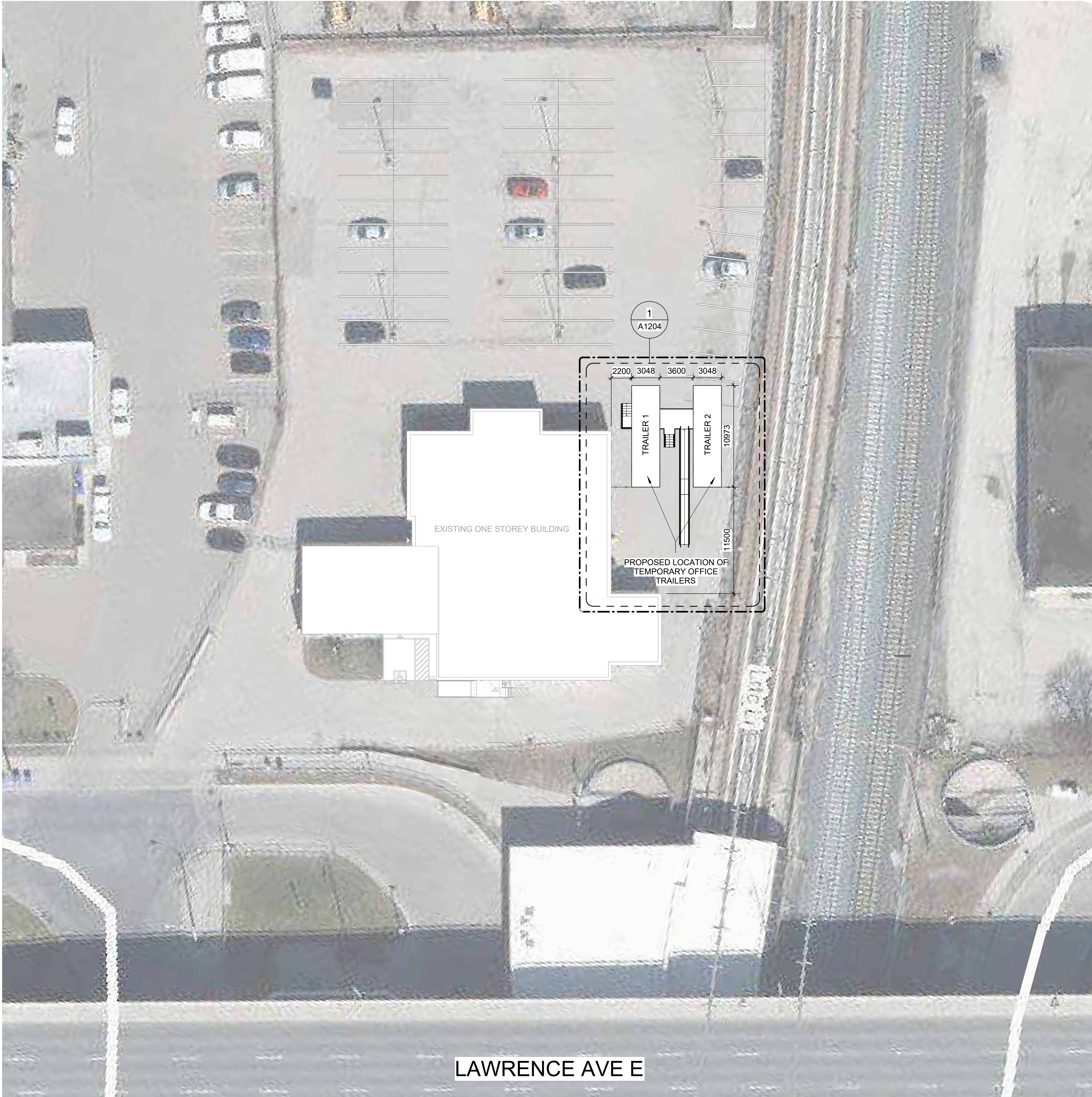
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**Arcadis 30279056**

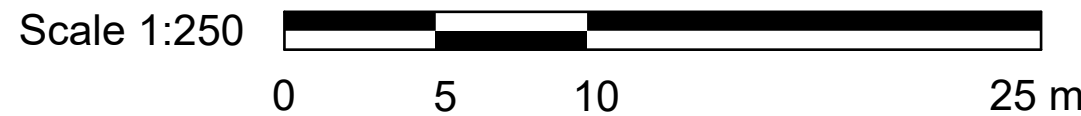
DRAWN BY: <b>J. SUN</b>	CHECKED BY: <b>L. BANDIERA</b>
PROJECT MGR: <b>N. FRISCH</b>	APPROVED BY: <b>M. KOTBY</b>

SHEET TITLE  
**SITE PLAN DETAILS**

SHEET NUMBER <b>G03-141-A1202</b>	ISSUE <b>D</b>
--------------------------------------	-------------------



1 PROPOSED LOCATION FOR TEMPORARY EXTERIOR TRAILERS  
A1203 Scale: 1 : 250



SITE LEGEND



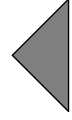
NEW BARRIER FREE PARKING  
SPACE - REFER TO DETAIL  
1/D1701 & 5/D1701



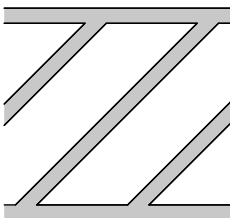
ACCESSIBLE PARKING SIGN ON  
POST - REFER TO DETAIL 2/D1702



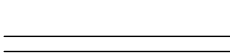
EXISTING MAIN ENTRANCE



EXISTING EXIT TO REMAIN



NEW PAINTED LINE MARKING -  
REFER TO DETAIL 3/D1701



NEW PAINTED LINE MARKING -  
REFER TO DETAIL 4/D1701



DASHED AREA INDICATES  
AREA OF WORK

SITE PLAN GENERAL NOTES

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D	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE  
ENFORCEMENT OFFICE  
2440 LAWRENCE AVE E

PROJECT NO:

Arcadis 30279056

DRAWN BY:

J. SUN

CHECKED BY:

Checker

PROJECT MGR:

N. FRISCH

APPROVED BY:

M. KOTBY

SHEET TITLE

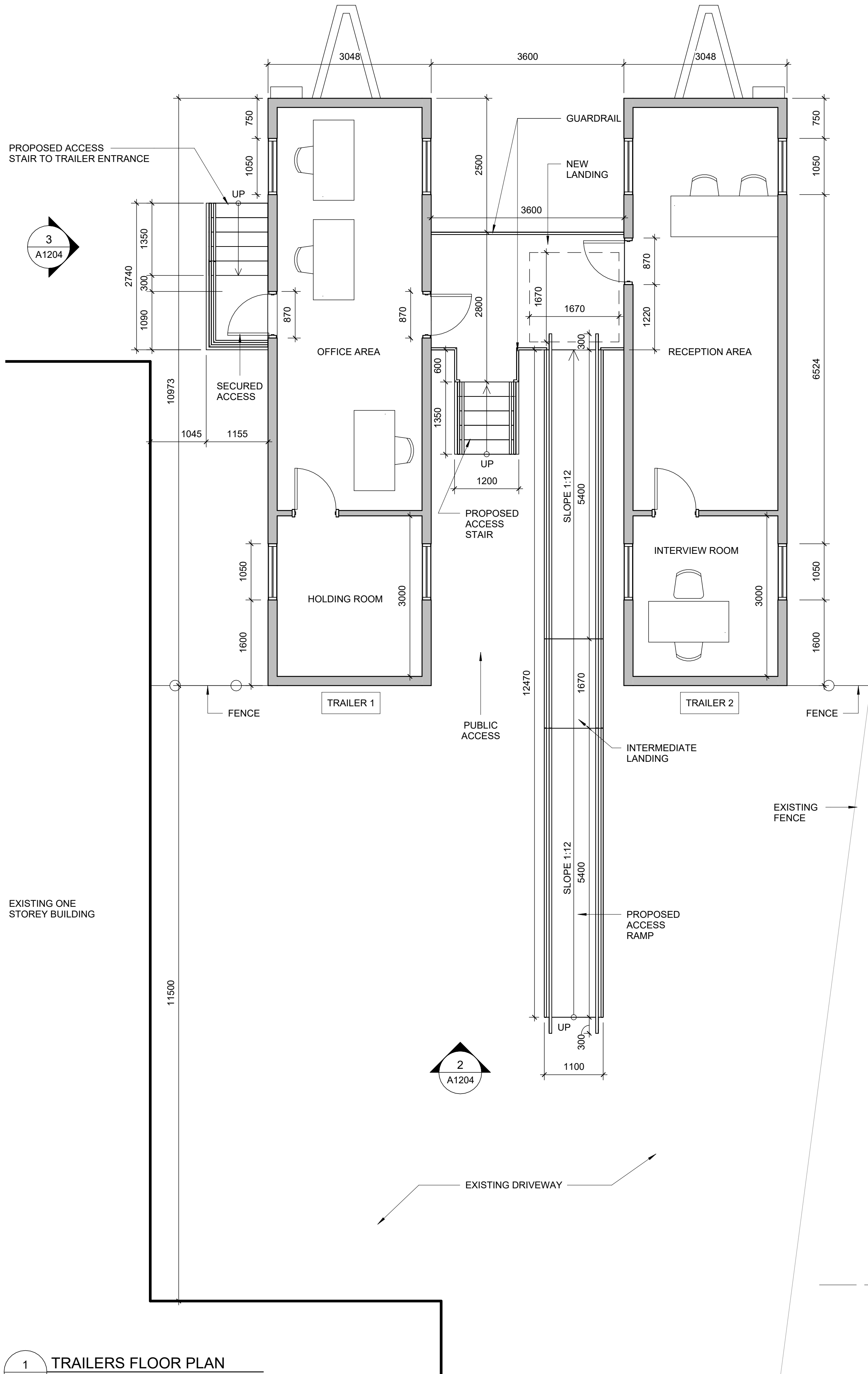
PROPOSED LOCATION  
FOR TEMPORARY  
EXTERIOR TRAILERS

SHEET NUMBER

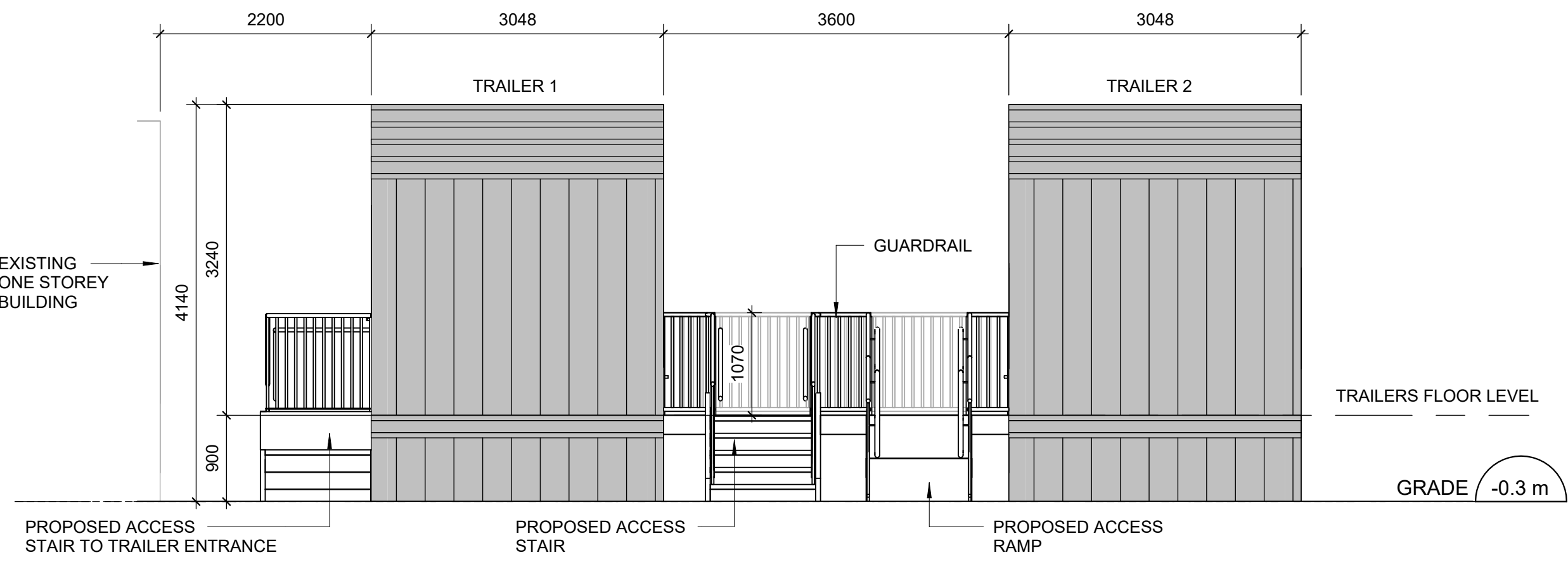
G03-141-A1203

ISSUE

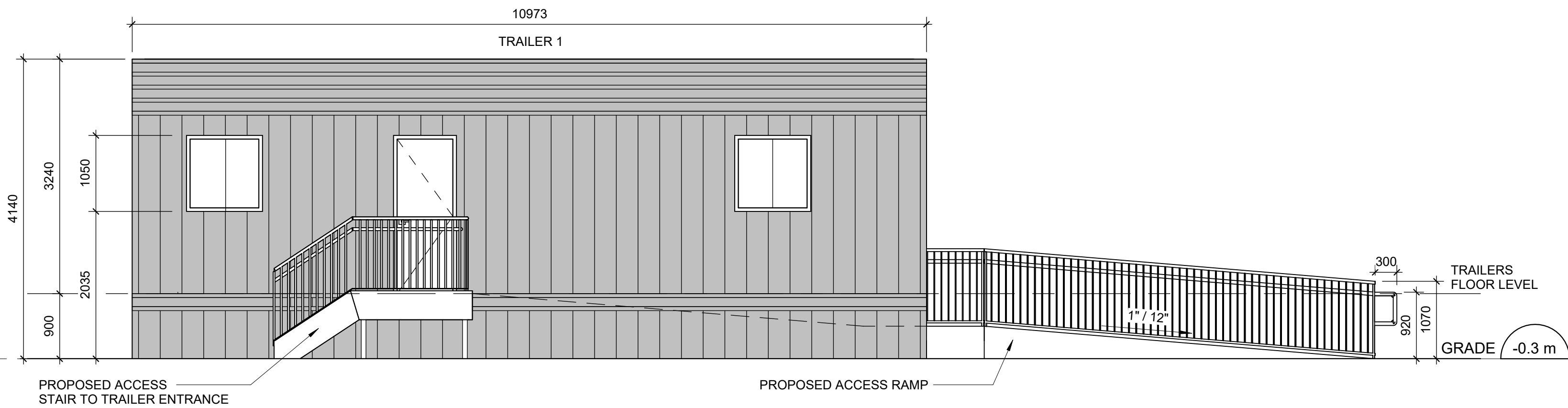
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1 TRAILERS FLOOR PLAN  
A1204 Scale: 1 : 50



2 TRAILER 1 & 2 SIDE ELEVATION  
A1204 Scale: 1 : 50



3 TRAILER ELEVATION  
A1204 Scale: 1 : 50

ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2022-04-27
B	90% SUBMISSION	2022-07-29
C	ISSUED FOR REVIEW	2022-10-18
D	ISSUED FOR TENDER	2025-04-11

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tel 416 679 1030  
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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

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

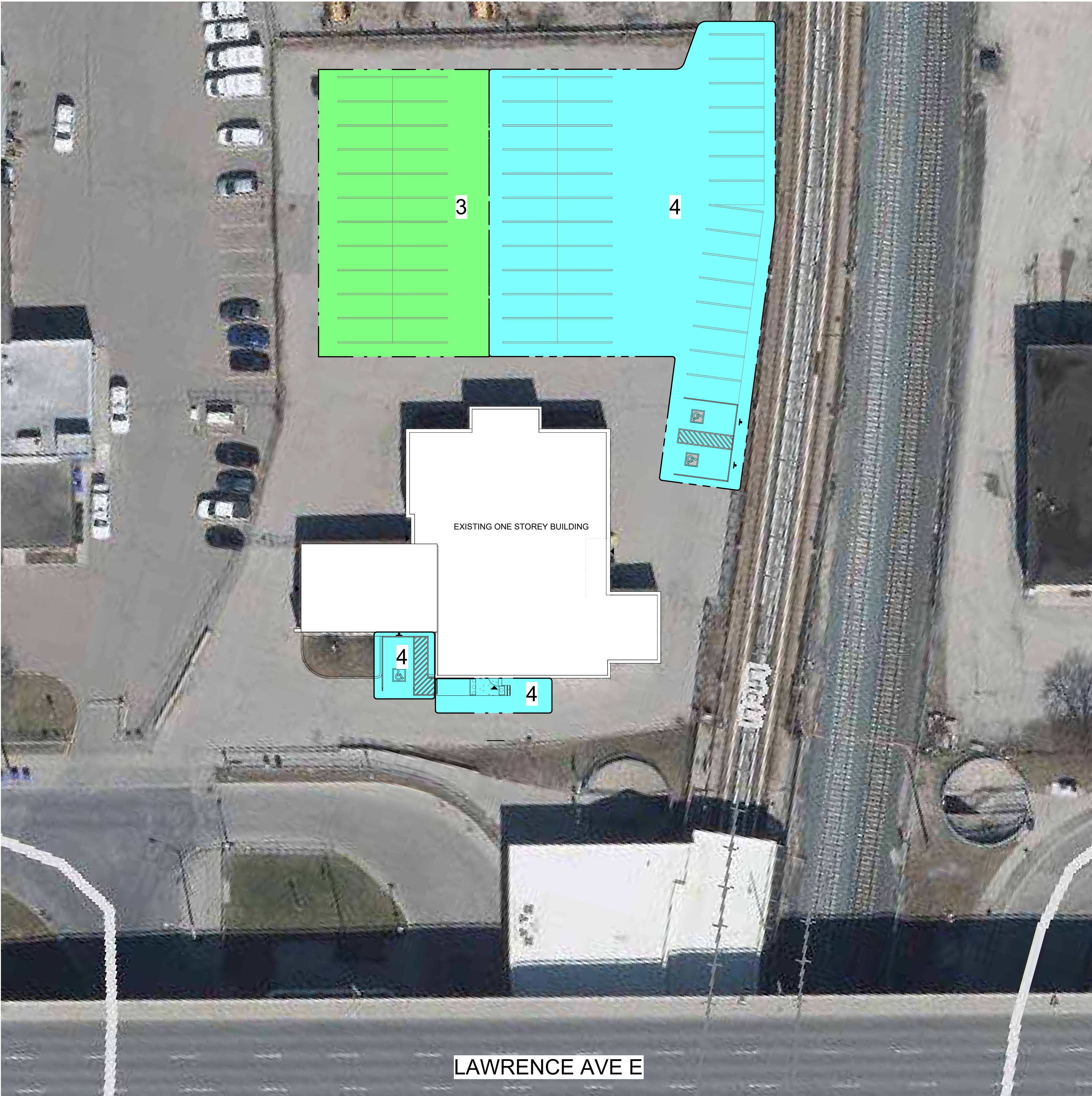
PROJECT NO:  
**Arcadis 30279056**

DRAWN BY: <b>J. SUN</b>	CHECKED BY: <b>Checker</b>
PROJECT MGR: <b>N. FRISCH</b>	APPROVED BY: <b>M. KOTBY</b>

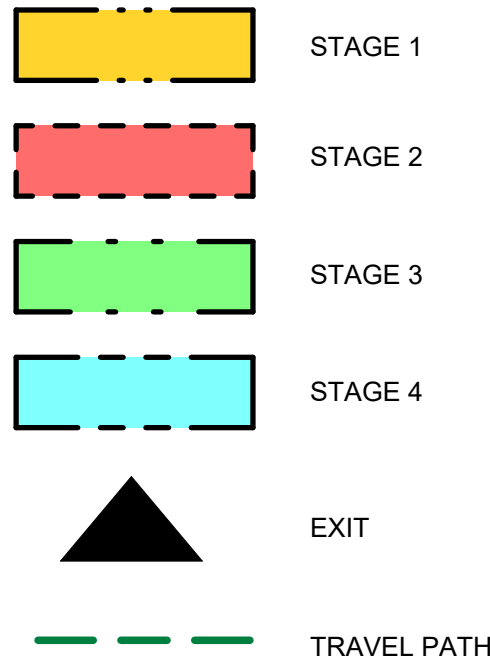
SHEET TITLE  
**TEMPORARY EXTERIOR  
TRAILERS PLAN &  
ELEVATIONS**

SHEET NUMBER <b>G03-141-A1204</b>	ISSUE <b>D</b>
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CONSTRUCTION STAGING LEGEND



STAGING GENERAL NOTES

- EXISTING FACILITY WILL REMAIN OPERATIONAL DURING CONSTRUCTION. CONSTRUCTION WORK CANNOT IMPACT FACILITY OPERATION WITHOUT FIRST NOTIFYING AND CONSULTING WITH THE OWNER.
- 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 WORK.
- PROVIDE AND MODIFY CONSTRUCTION BARRIER/SIGNAGE ETC. TO SUIT SITE CONDITION AND CONSTRUCTION SEQUENCE.
- WORK LISTED IN STAGES IS FOR REFERENCE ONLY. EACH STAGE MUST BE COMPLETED AS PER CONTRACT DOCUMENTS BEFORE STARTING THE NEXT STAGE AND SHALL NOT AFFECT NORMAL OPERATION OR EXITING OF THE FACILITY.
- FOR ALL OTHER REQUIREMENTS - REFER TO SPECIFICATIONS.
- KEEP EXITS CLEAR FROM OBSTRUCTIONS DURING CONSTRUCTION.

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C	ISSUED FOR PERMIT	2022-08-24
D	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

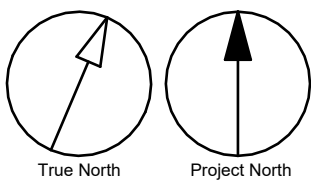
PROJECT ADDRESS  
**POLICE - BAIL & PAROLE  
ENFORCEMENT OFFICE  
2440 LAWRENCE AVE E**

PROJECT NO:  
**Arcadis 30279056**

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

SHEET TITLE  
**SITE PLAN STAGING**

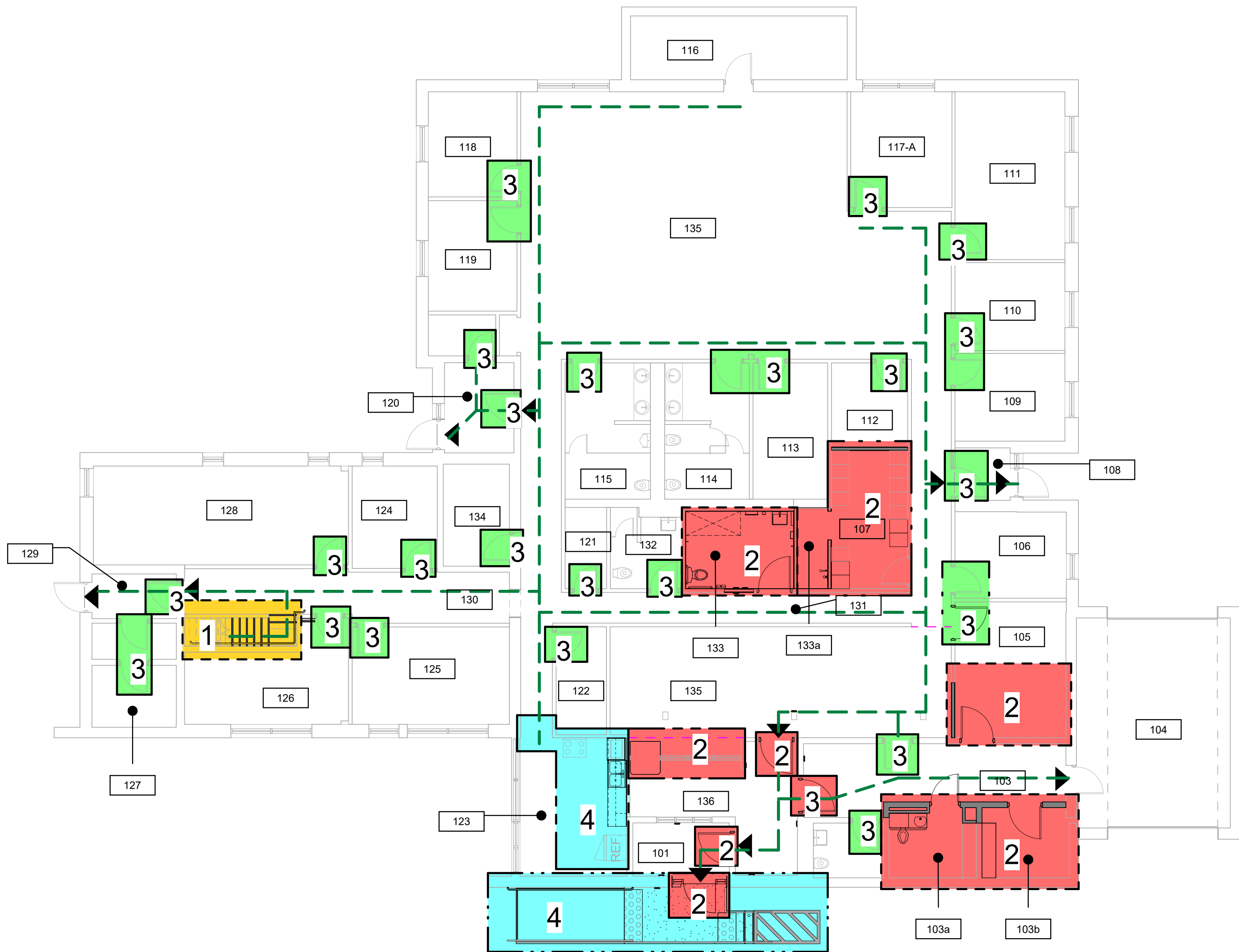
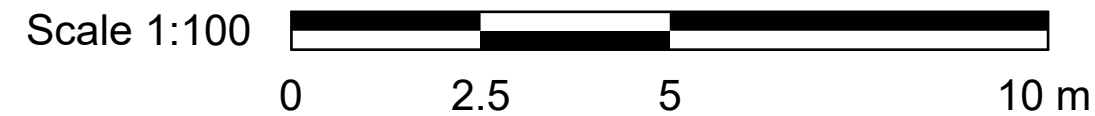
SHEET NUMBER <b>G03-141-A2001</b>	ISSUE <b>D</b>
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SCALE CHECK  
1 m

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CONSTRUCTION STAGING LEGEND

- STAGE 1
- STAGE 2
- STAGE 3
- STAGE 4
- EXIT
- TRAVEL PATH

STAGING GENERAL NOTES

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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 - BAIL & PAROLE  
ENFORCEMENT OFFICE  
2440 LAWRENCE AVE E

PROJECT NO:  
Arcadis 30279056

DRAWN BY:  
J.SUN

CHECKED BY:  
L. BANDIERA

PROJECT MGR:  
N. FRISCIC

APPROVED BY:  
M. KOTBY

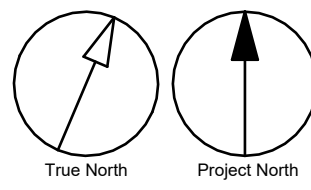
SHEET TITLE  
FIRST FLOOR STAGING &  
EXITING PLAN

SHEET NUMBER

G03-141-A2011

ISSUE

D



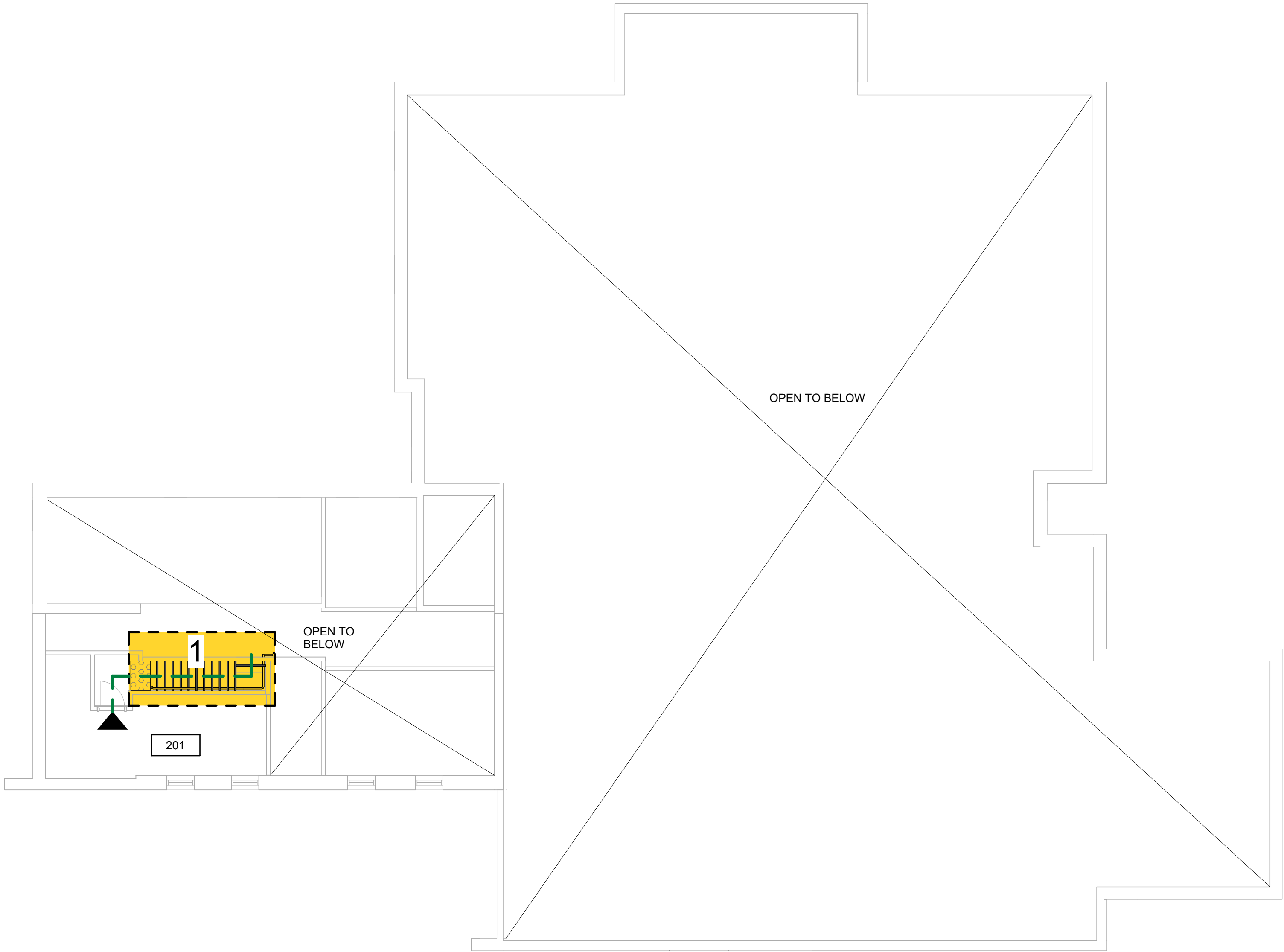
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10mm

SCALE CHECK  
1 m

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Scale 1:100



CONSTRUCTION STAGING LEGEND

- STAGE 1
- STAGE 2
- STAGE 3
- STAGE 4
- EXIT
- TRAVEL PATH

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C	ISSUED FOR PERMIT	2022-08-24
D	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS  
POLICE - BAIL & PAROLE  
ENFORCEMENT OFFICE  
2440 LAWRENCE AVE E

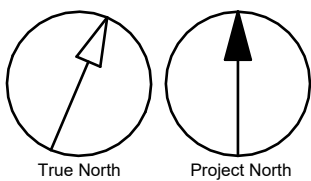
PROJECT NO:  
Arcadis 30279056

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

SHEET TITLE  
MEZZ. FLOOR STAGING  
& EXITING PLAN

SHEET NUMBER  
G03-141-A2021

ISSUE  
D



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10mm

SCALE CHECK  
1 m



PHOTO 01 - STAIR 'A' AT ENTRANCE PHOTO 02 - STAIR 'B' PHOTO 03 - KITCHEN ROOM 123 PHOTO 04 - RECEPTION PHOTO 05 - ROOM 105 EXTENSION PHOTO 06 - ROOM 103 PHOTO 07 - ROOM 133 PHOTO 07a - ROOM 133 PHOTO 08 - ROOM 107 PHOTO 09 - DOOR D001a PHOTO 10 - DOOR D001b



PHOTO 11 - DOOR D103a PHOTO 12 - DOOR D102 PHOTO 13 - DOOR D103b PHOTO 14 - DOOR D103c PHOTO 15 - DOOR D105 PHOTO 16 - DOOR D106 PHOTO 17 - DOOR D107 PHOTO 18 - DOOR D112 PHOTO 19 - DOOR D113 PHOTO 20 - DOOR D114 PHOTO 21 - DOOR D115 PHOTO 22 - DOOR D120 PHOTO 23 - DOOR D121 PHOTO 24 - DOOR D122



PHOTO 25 - DOOR D132 PHOTO 26 - DOOR D133a PHOTO 27 - DOOR D134

REMOVE EXISTING GLASS AND SPEAKER. PROVIDE NEW GLASS AND SPEAKER. REFER TO 2/A7211

CUT PORTION OF EXISTING COUNTER TOP TO ACCOMMODATE NEW PATCH AND REPAIR. MAKE GOOD ALL ADJACENT SURFACES OF THE REMAINING COUNTER. FINISH THE CUT EDGE WITH A PLAM VENEER TO MATCH EXISTING COLOUR ON COUNTER

CUT EXISTING GYPSUM BD WALL (1050mm) TO ACCOMMODATE NEW COUNTER AND WALL. PATCH AND FILL AS REQUIRED. MAKE GOOD ALL ADJACENT SURFACES DAMAGED DURING DEMOLITION.

CUT EXISTING WOOD MULLION TO ACCOMMODATE NEW REFER TO 2/A7211. PATCH AND MAKE GOOD FINISH ALL ADJACENT SURFACES.

## DEMOLITION KEY LEGEND

- EXISTING TO BE DEMOLISHED
- EXISTING INTERIOR PARTITION TO BE DEMOLISHED
- EXISTING EXTERIOR WALL TO REMAIN
- EXISTING PARTITION TO REMAIN

EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE TO BE REMOVED

EXISTING DOOR TO REMAIN

DASHED AREA INDICATES AREA OF WORK

## DEMOLITION KEY NOTES

NO	DESCRIPTION
1	REMOVE EXISTING WALL AND/OR COLUMN ENCLOSURE INCLUDING BUT NOT LIMITED TO TILE, PAINT, CORNER GUARDS, METAL PANELS, WALL MOUNTED FIXTURES AND FINISHES AS INDICATED. PROVIDE SMOOTH TRANSITION BETWEEN SURFACES AT LOCATION OF DEMOLISHED AREA.
2	REMOVE EXISTING CONC. BLOCK WALL PATCH AND REPAIR AFFECTED SURFACES AT FLOOR, WALLS, COLUMNS AND CEILINGS AS REQUIRED.
3	REMOVE EXISTING FLOORING AND BASE. REMOVE EXISTING TILE FLOORING TO CLOSEST FULL TILE. 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 MAKE GOOD SURROUNDING ADJACENT CEILINGS AFTER WALL CONSTRUCTION.
5	REMOVE EXISTING DOOR AND FRAME. CUT PARTITION TO ACCOMMODATE NEW DOOR AND FRAME IF REQUIRED. PATCH AND FILL AS REQUIRED. REFER TO DETAIL 1/D1002, 2/D1002 AND 1/D2300
6	REMOVE EXISTING PLUMBING FIXTURES AND WASHROOM ACCESSORIES, CAP PLUMBING PIPES.
7	REMOVE EXISTING MILLWORK.
11	REMOVE EXISTING GUARDRAIL, HANDRAIL AND HANDRAIL POST BASE. PATCH AND MAKE GOOD ALL SURFACES.
25	DEMOLISH EXISTING CONCRETE STAIR OR RAMP. REMOVE DEBRIS AND PREPARE FOR NEW STAIR OR RAMP. PROVIDE SMOOTH TRANSITION BETWEEN SURFACES AND PROTECT SURROUNDING AREAS DURING THE WORK.
28	REMOVE EXISTING WASHROOM ACCESSORIES AND PREPARE WALL SURFACE FOR NEW ACCESSORIES. PATCH, REPAIR AND MAKE GOOD EXISTING WALL AND WALL FINISHES.

## 2 ELEVATION OF EXISTING COUNTER

A2111 Scale: 1 : 25

EXTENT OF FLOOR AND CEILING REMOVAL SHOWN IN GREY COLOR

REMOVE AND REINSTALL EXISTING LOCKERS AND SHELVES REFER TO A2411 FOR NEW LOCATION. PROTECT AND STORE THE LOCKERS IN SAFE LOCATION DURING CONSTRUCTION

REMOVE EXISTING GB FROM WALL FACE. PREPARE WALL TO RECEIVE NEW BACKER BOARD AND TILE FINISH. REFER TO ROOM FINISH SCHEDULE.

REMOVE AND STORE ALL FURNITURE IN ROOM 105. TO BE PROTECTED FROM DAMAGE AND MOVED BACK INTO ROOM AFTER COMPLETION OF FINISHES

## 3 ENLARGED - DEMOLITION PLAN

A2111 Scale: 1 : 50

REMOVE AND STORE ALL FURNITURE IN ROOM 105. TO BE PROTECTED FROM DAMAGE AND MOVED BACK INTO ROOM AFTER COMPLETION OF FINISHES

ALL EXISTING CABINETS IN AREA TO BE REMOVED AND RELOCATED IN COORDINATION WITH BUILDING OPS

CUT OPENING IN EXISTING CONCRETE BLOCK WALL AS SHOWN DASHED. PROVIDE SMOOTH TRANSITION BETWEEN SURFACES AT LOCATION OF DEMOLISHED AREA TO ACCOMMODATE NEW DOOR AND FRAME. PATCH, FILL AND MAKE GOOD AS REQUIRED. REFER TO DETAIL 1/D1002, 2/D1002 AND 1/D2300 REFER TO STRUC. DWGS.

EXTENT OF FLOOR AND CEILING REMOVAL

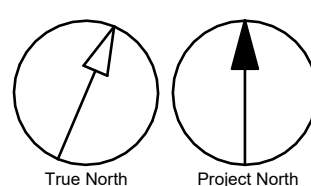
REMOVE STOREFRONT GLAZED ASSEMBLIES INCLUDING ALL DOORS, FRAMES AND ASSOCIATED HARDWARE

REMOVE EXISTING DOOR AND FRAME  
RELOCATE FIRE EXTINGUISHER ON THIS WALL - 600MM AWAY FROM OPENING  
CUT PORTION OF EXISTING GYPSUM BD COUNTER TOP TO ACCOMMODATE NEW WALL. PATCH AND FILL AS REQUIRED. MAKE GOOD ALL ADJACENT SURFACES DAMAGED DURING CONSTRUCTION. SEE 2/A2111

## 1 FIRST FLOOR-DEMOLITION PLAN

A2111 Scale: 1 : 100

Scale 1:100 0 2.5 5 10 m



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D	ISSUED FOR TENDER	2025-04-11

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PRIME CONSULTANT  
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tel 416 679 1030  
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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

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

PROJECT NO:  
**Arcadis 30279056**

DRAWN BY:  
**J. SUN**

CHECKED BY:  
**L. BANDIERA**

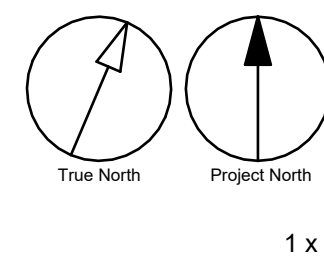
PROJECT MGR:  
**N. FRISCH**

APPROVED BY:  
**M. KOTBY**

SHEET TITLE  
**FIRST FLOOR  
DEMOLITION PLAN**

SHEET NUMBER  
**G03-141-A2111**

ISSUE  
**D**

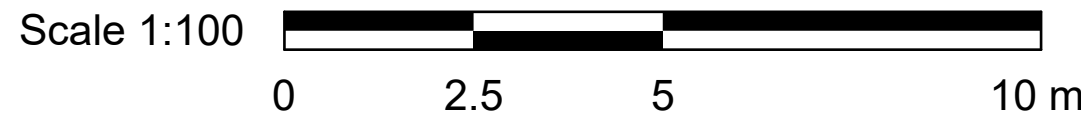


NO	DESCRIPTION
K	INSTALL NEW DOOR AND FRAME. REFER TO DOOR SCHEDULE A9001, G0004 AND DOOR HARDWARE SCHEDULE IN THE SPECIFICATIONS.

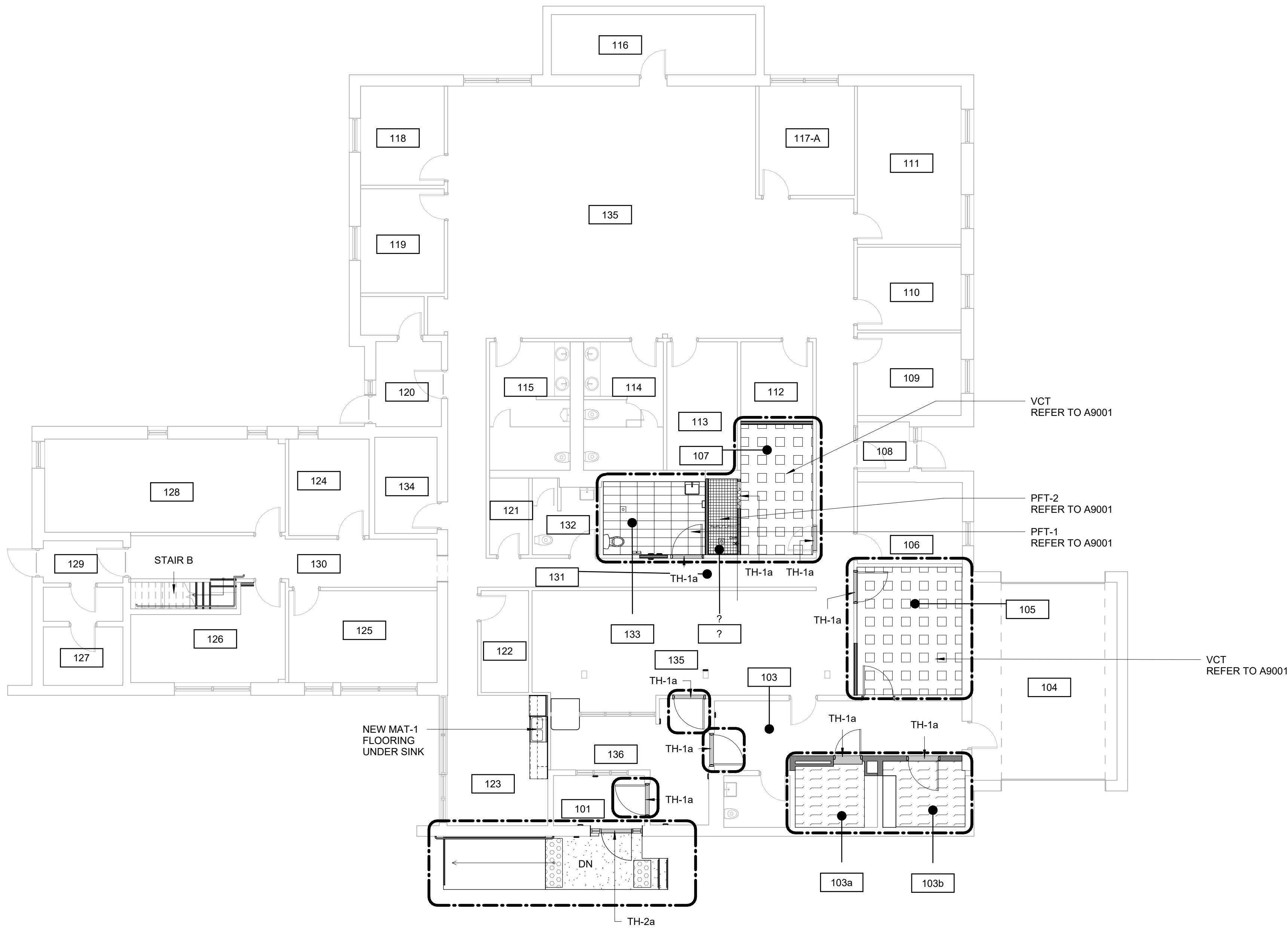
No.	DESCRIPTION	DATE
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C	ISSUED FOR PERMIT	2022-08-24
D	ISSUED FOR TENDER	2025-04-11

ISSUE  
D

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1 FIRST FLOOR PROPOSED FLOOR FINISH PLAN  
A2611 Scale: 1 : 100



#### FLOOR FINISHES LEGEND

	PORCELAIN SHOWER TILE
	PORCELAIN TILE
	FLOOR FINISH TO MATCH EXISTING REFER TO ROOM FINISH SCHEDULE
	VINYL COMPOSITE TILE
	FLOOR SEALED CONCRETE
	DASHED AREA INDICATES AREA OF WORK

#### FLOOR FINISH GENERAL NOTES

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

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PROJECT TITLE

**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

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

PROJECT NO:

Arcadis 30279056

DRAWN BY:

**J. SUN**

CHECKED BY:

**L. BANDIERA**

PROJECT MGR:

**N. FRISCIC**

APPROVED BY:

**M. KOTBY**

SHEET TITLE

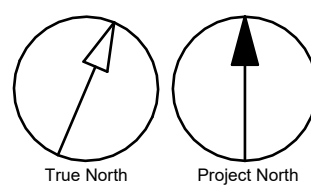
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PROPOSED FLOOR  
FINISH PLAN**

SHEET NUMBER

**G03-141-A2611**

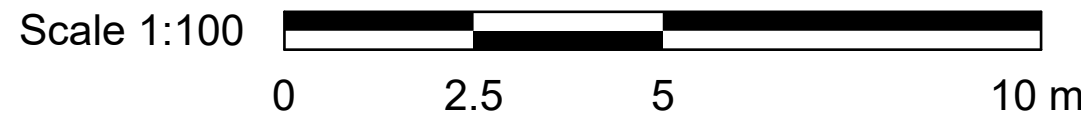
ISSUE

**D**

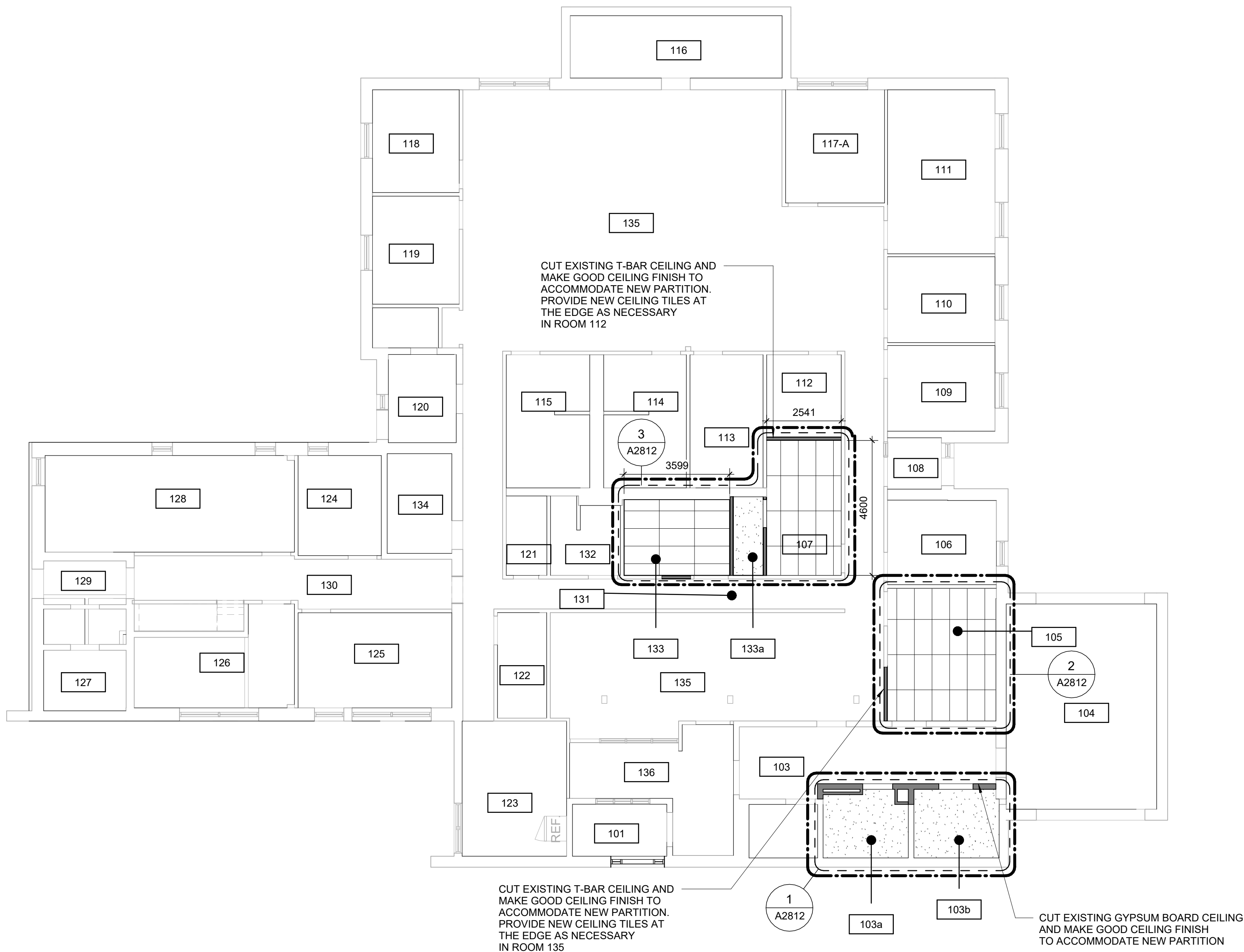


Autodesk Docs/122280 - Cot TAU Upgrades R2020/122280-TAU/3-141-2440LWRNCA-R20.rvt 1/10mm 1 m

5/6/2025 10:38:04 AM



1 FIRST FLOOR REFLECTED CEILING PLAN  
A2811 Scale: 1 : 100



#### 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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A	50% SUBMISSION	2022-04-27
B	90% SUBMISSION	2022-07-29
C	ISSUED FOR PERMIT	2022-08-24
D	ISSUED FOR TENDER	2025-04-11

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Toronto, ON M5W 0C9, Canada  
tel 416 679 1030  
www.arcadis.com

PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE  
ENFORCEMENT OFFICE  
2440 LAWRENCE AVE E

PROJECT NO:

Arcadis 30279056

DRAWN BY:

J. SUN

CHECKED BY:

L. BANDIERA

PROJECT MGR:

N. FRISCIC

APPROVED BY:

M. KOTBY

SHEET TITLE

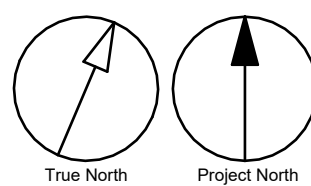
FIRST FLOOR  
REFLECTED CEILING  
PLAN

SHEET NUMBER

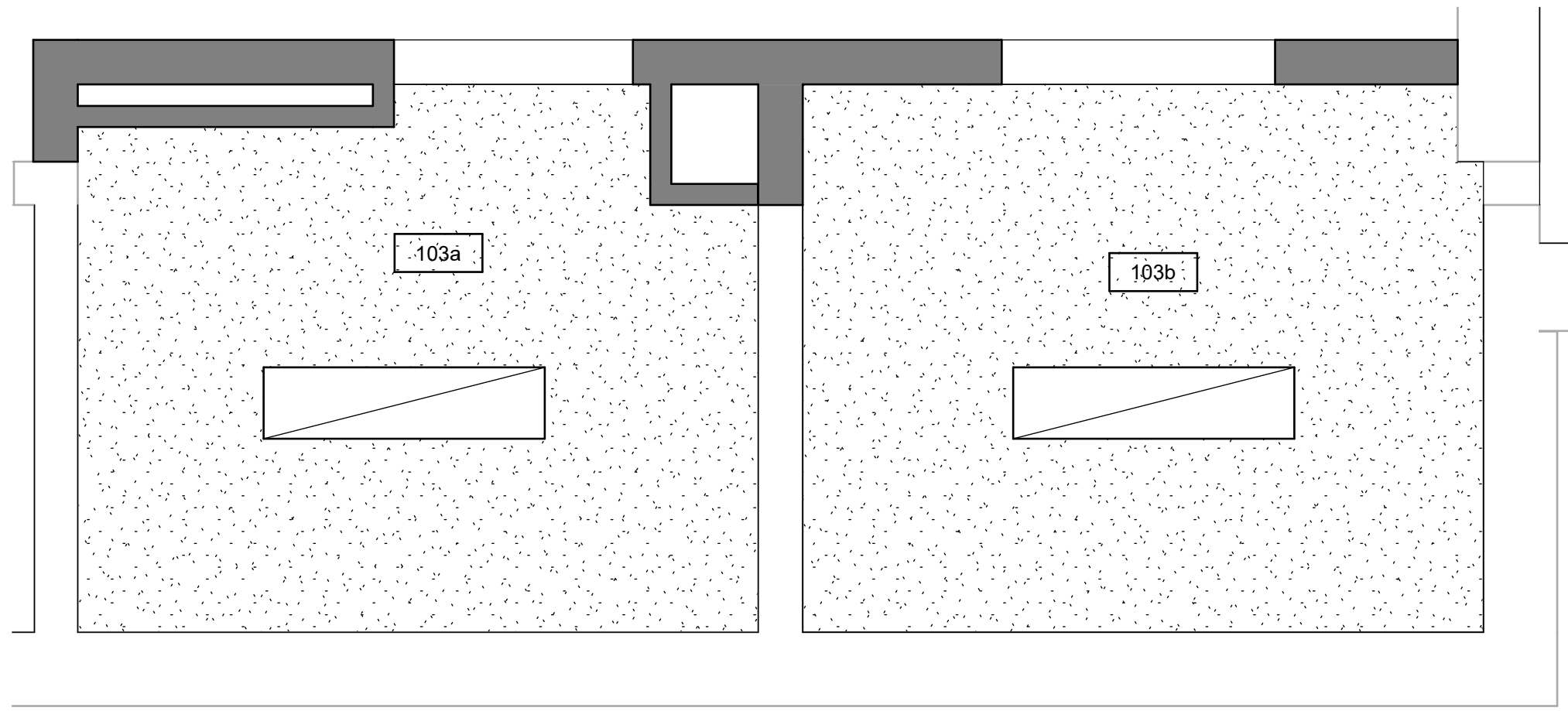
G03-141-A2811

ISSUE

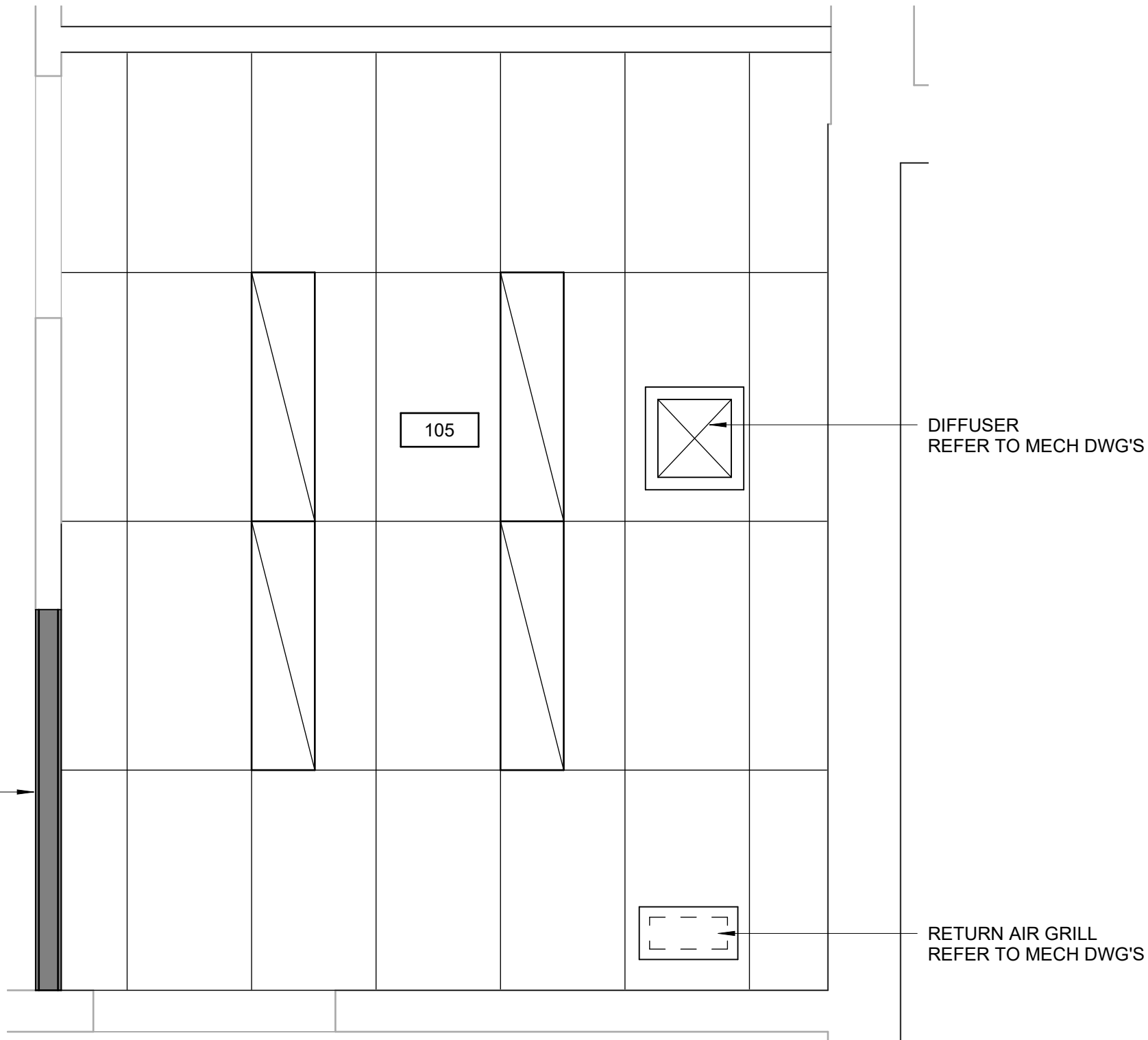
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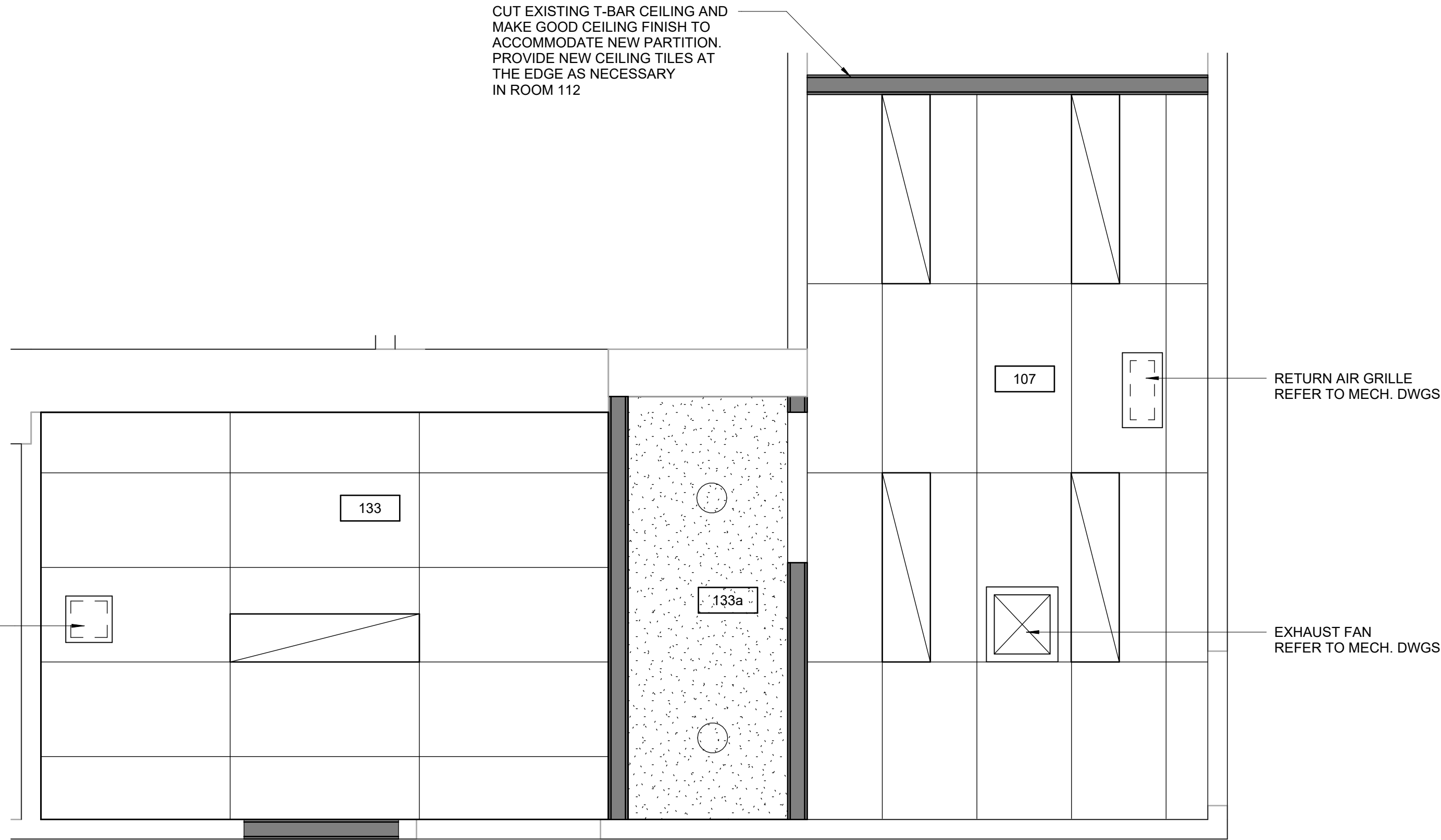
Autodesk Docs/122280 - Cot TAU Upgrades R2020/122280-TAU-3-141-2440LWRNCA-R20.rvt 1/10mm



1 ROOM 103a AND 103b - ENLARGED RCP  
A2812 Scale: 1 : 25



2 ROOM 105 ENLARGED RCP  
A2812 Scale: 1 : 25



3 ROOM 133 AND 133a - ENLARGED RCP  
A2812 Scale: 1 : 25

#### 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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PROJECT TITLE

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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE  
ENFORCEMENT OFFICE  
2440 LAWRENCE AVE E

PROJECT NO:

Arcadis 30279056

DRAWN BY:

J. SUN

CHECKED BY:

L. BANDIERA

PROJECT MGR:

N. FRISCIC

APPROVED BY:

M. KOTBY

SHEET TITLE

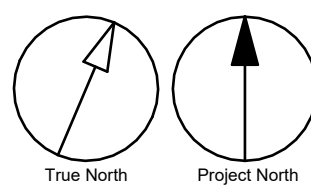
ENLARGED RCP

SHEET NUMBER

G03-141-A2812

ISSUE

D

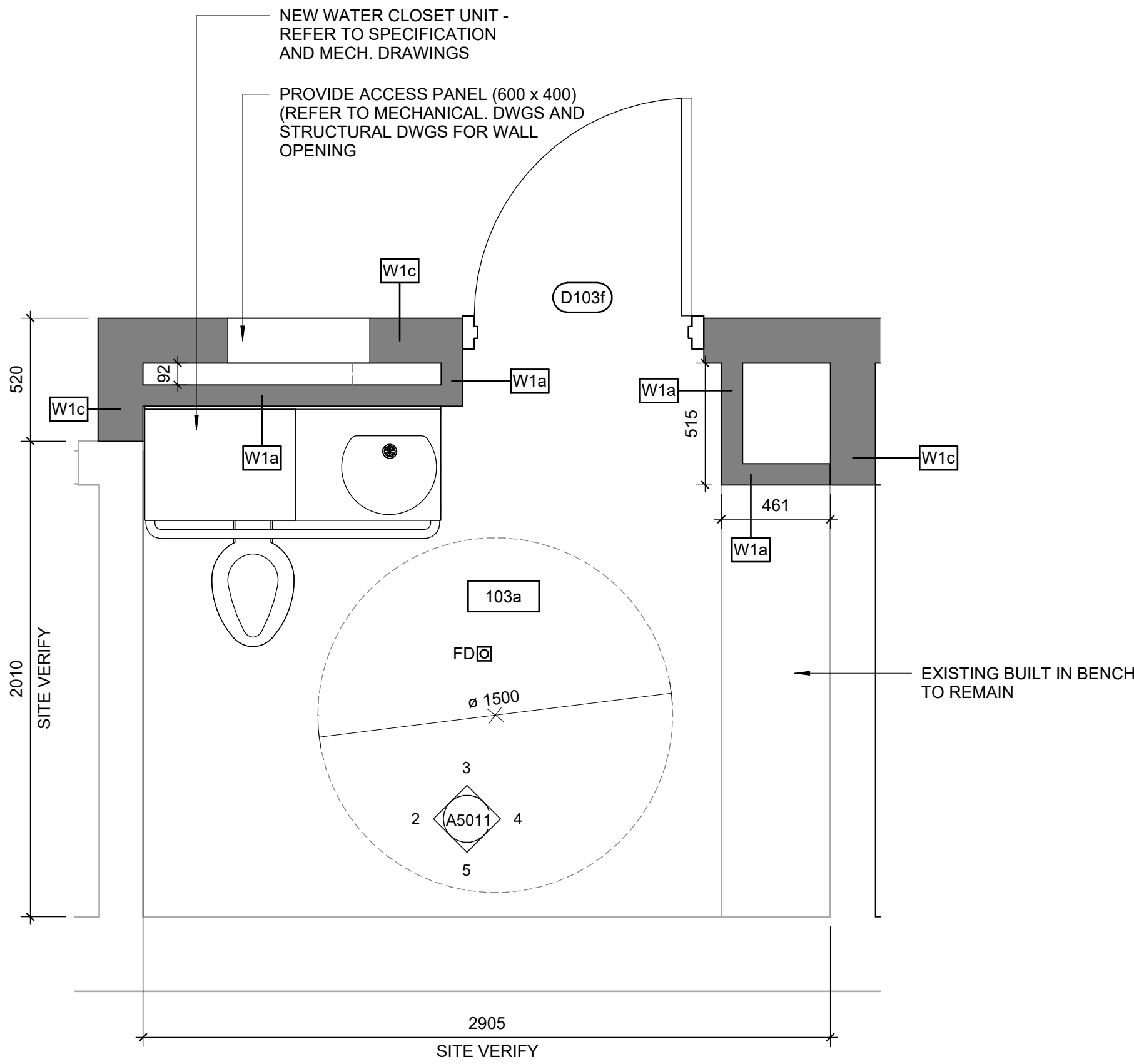


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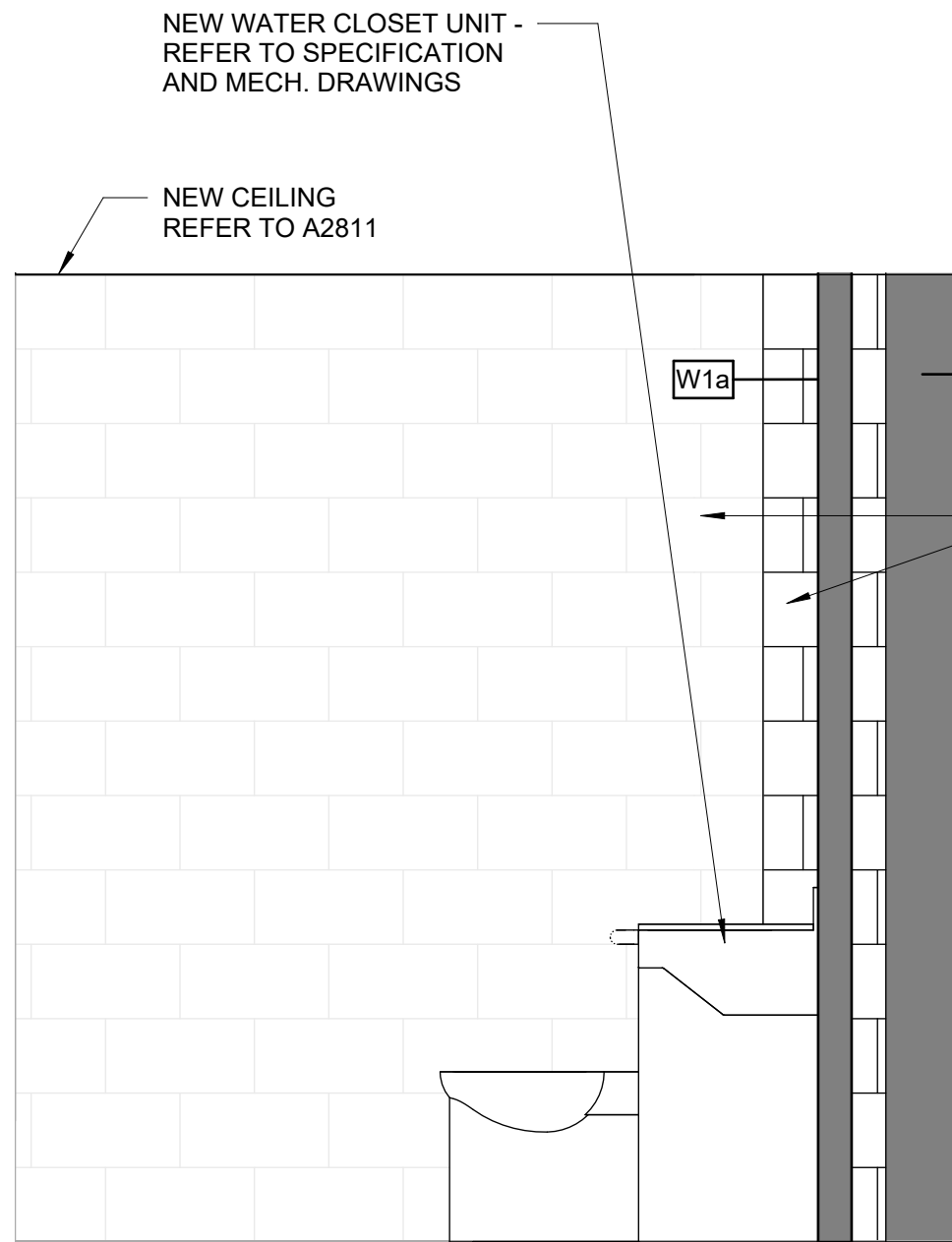


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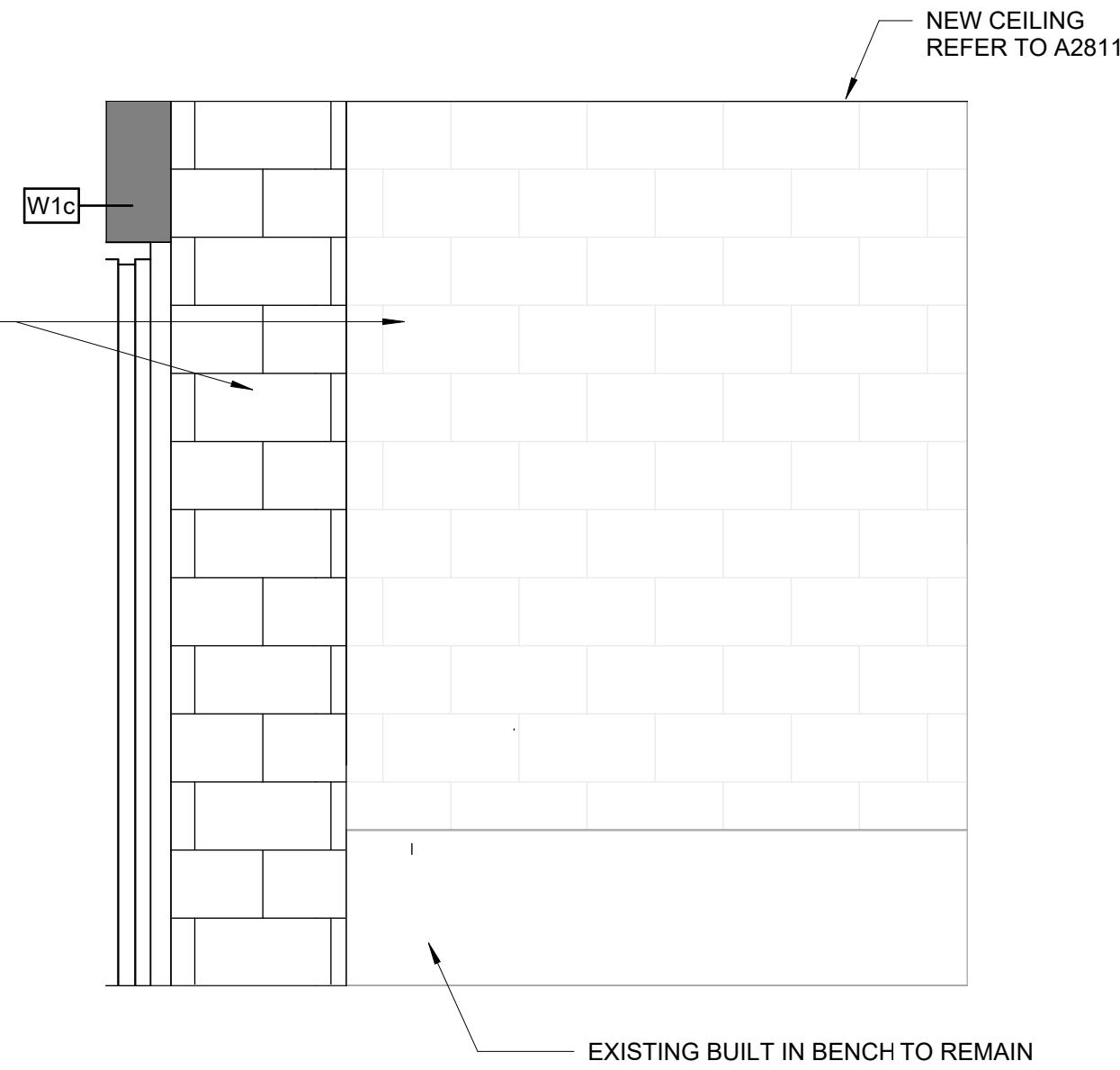
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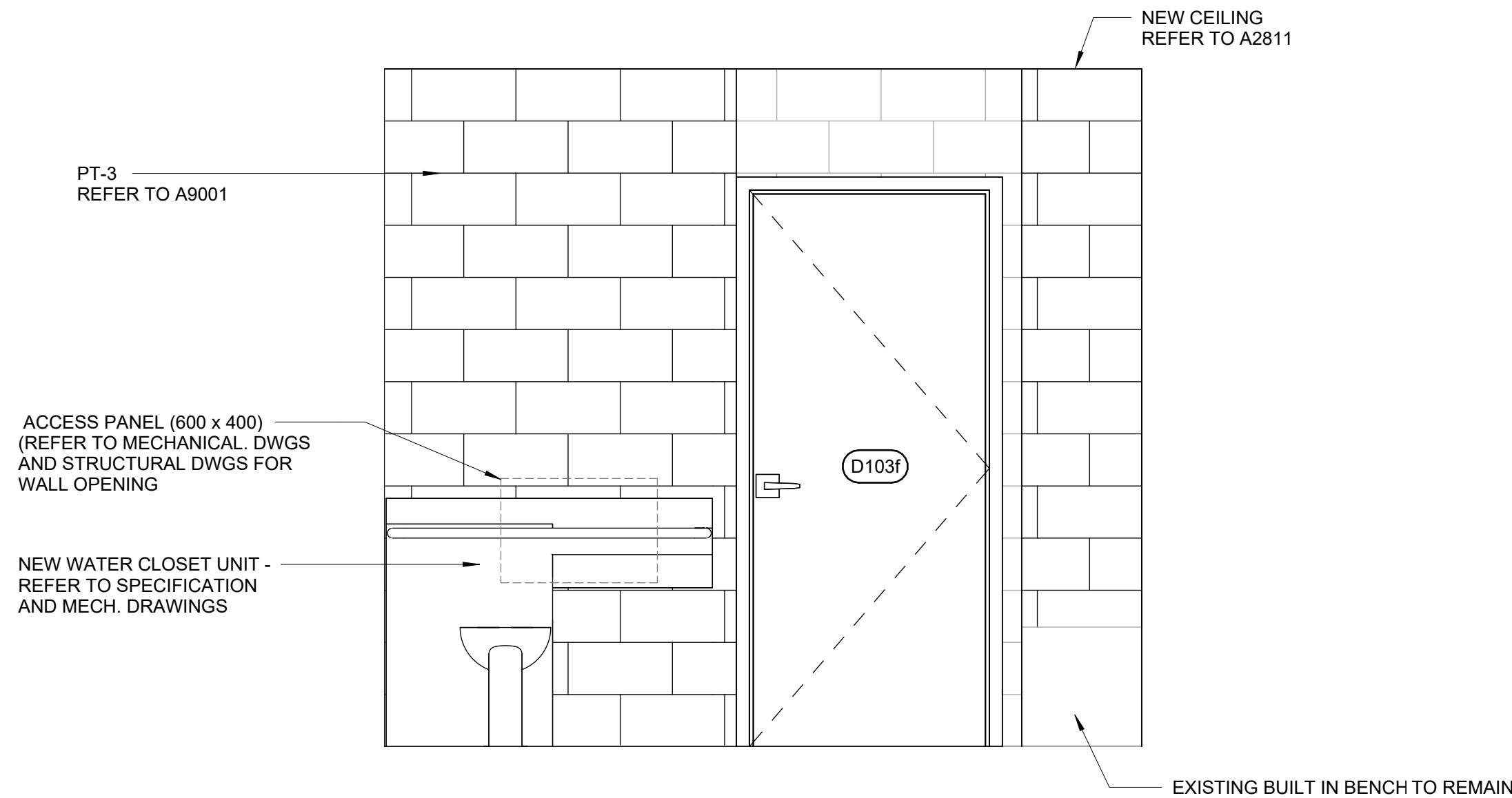
1 ROOM 103a - ENLARGED PLAN  
A5011 Scale: 1 : 20



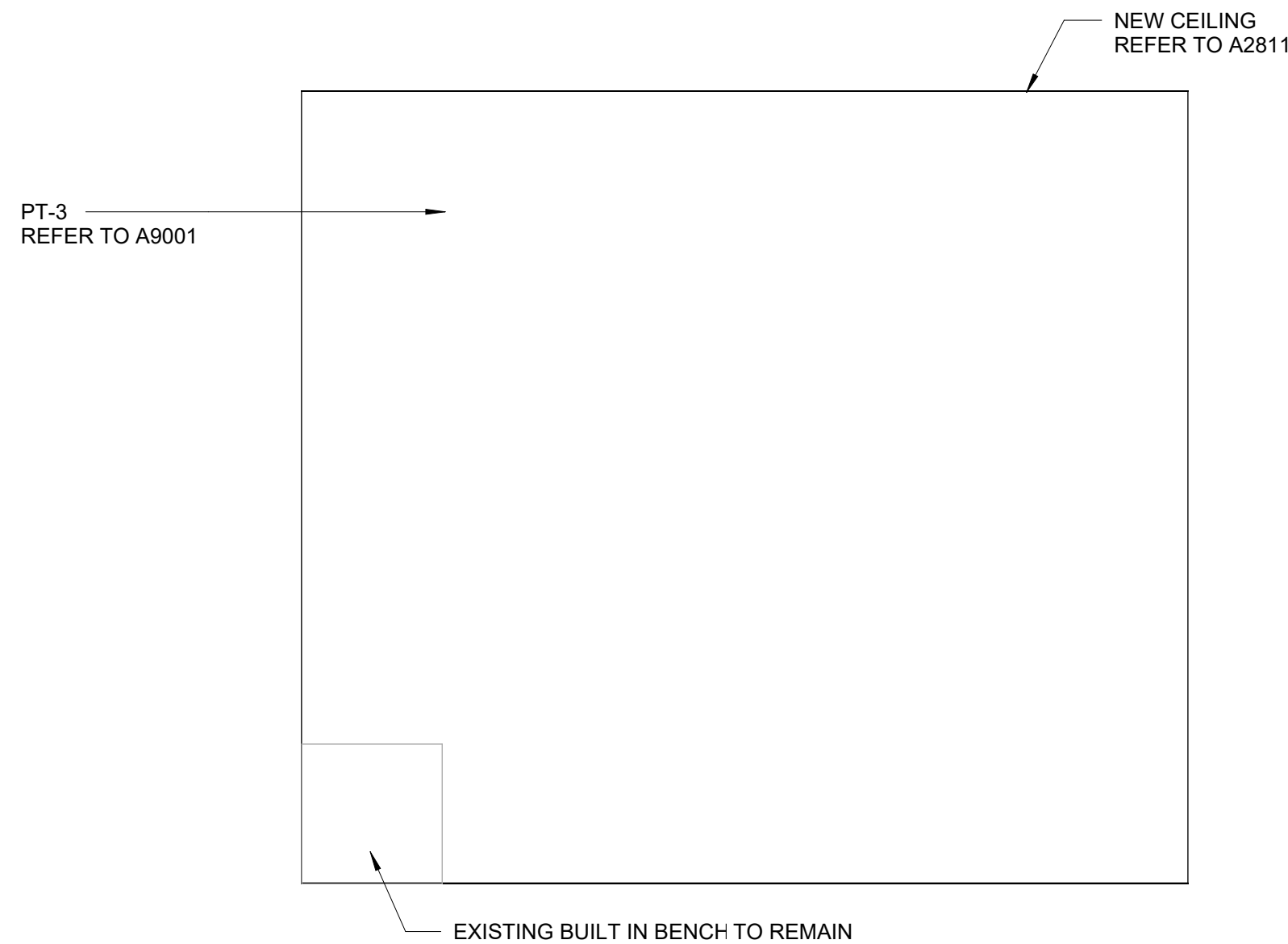
2 ROOM 103a - WEST ELEVATION  
A5011 Scale: 1 : 20



4 ROOM 103a - EAST ELEVATION  
A5011 Scale: 1 : 20

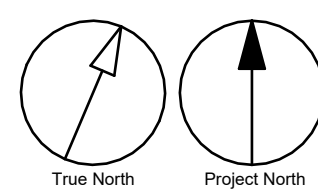




3 ROOM 103a - NORTH ELEVATION  
A5011 Scale: 1 : 20



5 ROOM 103a - SOUTH ELEVATION  
A5011 Scale: 1 : 20

Scale 1:20  
0 .5 1 2 m



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D	ISSUED FOR TENDER	2025-04-11
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PROJECT ADDRESS POLICE - BAIL & PAROLE ENFORCEMENT OFFICE 2440 LAWRENCE AVE E		
PROJECT NO: Arcadis 30279056		
DRAWN BY: J. SUN	CHECKED BY: L. BANDIERA	
PROJECT MGR: N. FRISCIC	APPROVED BY: M. KOTBY	
SHEET TITLE WASHROOM PLANS/ELEVATIONS		
SHEET NUMBER G03-141-A5011		ISSUE D

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.

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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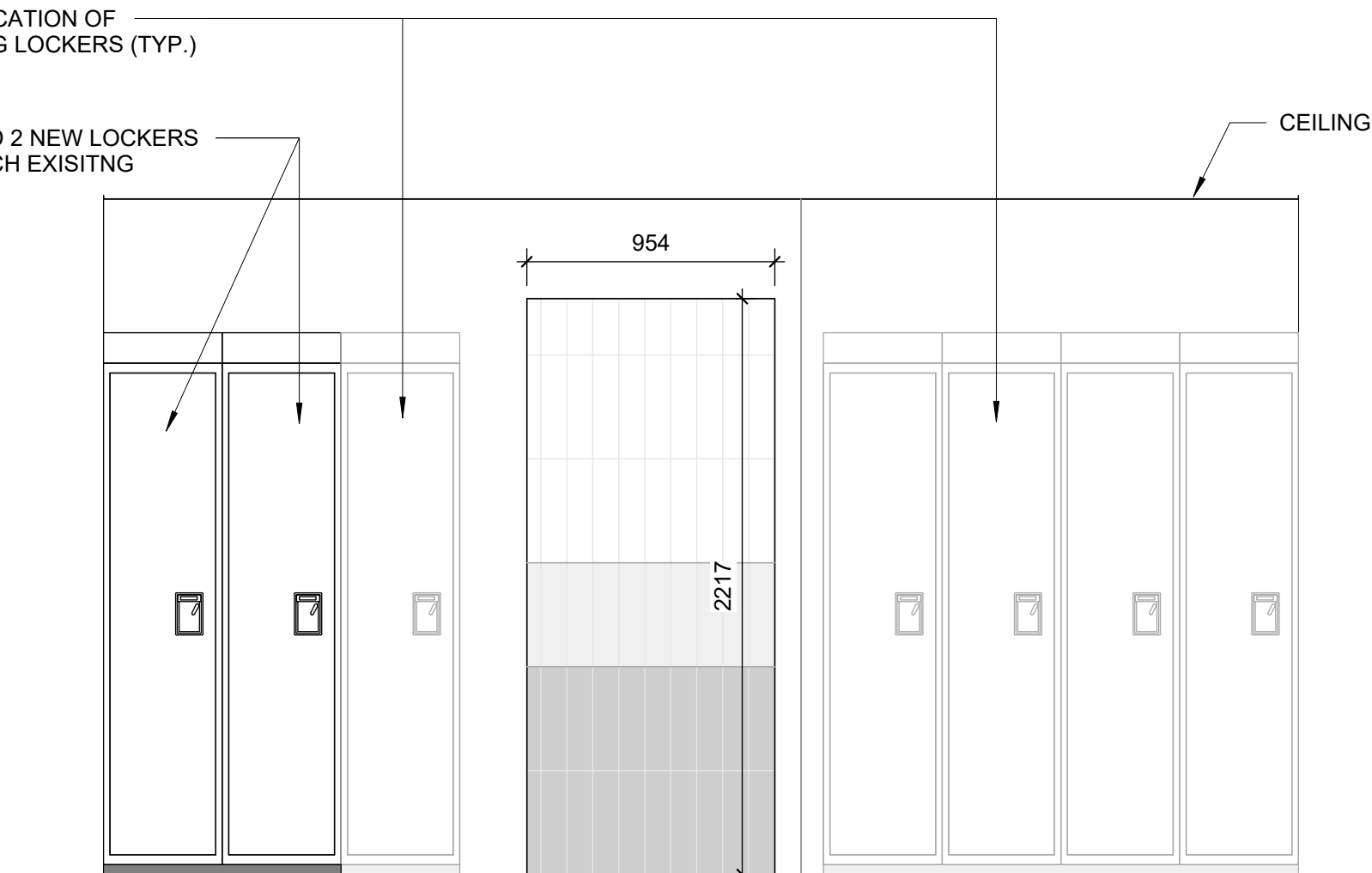
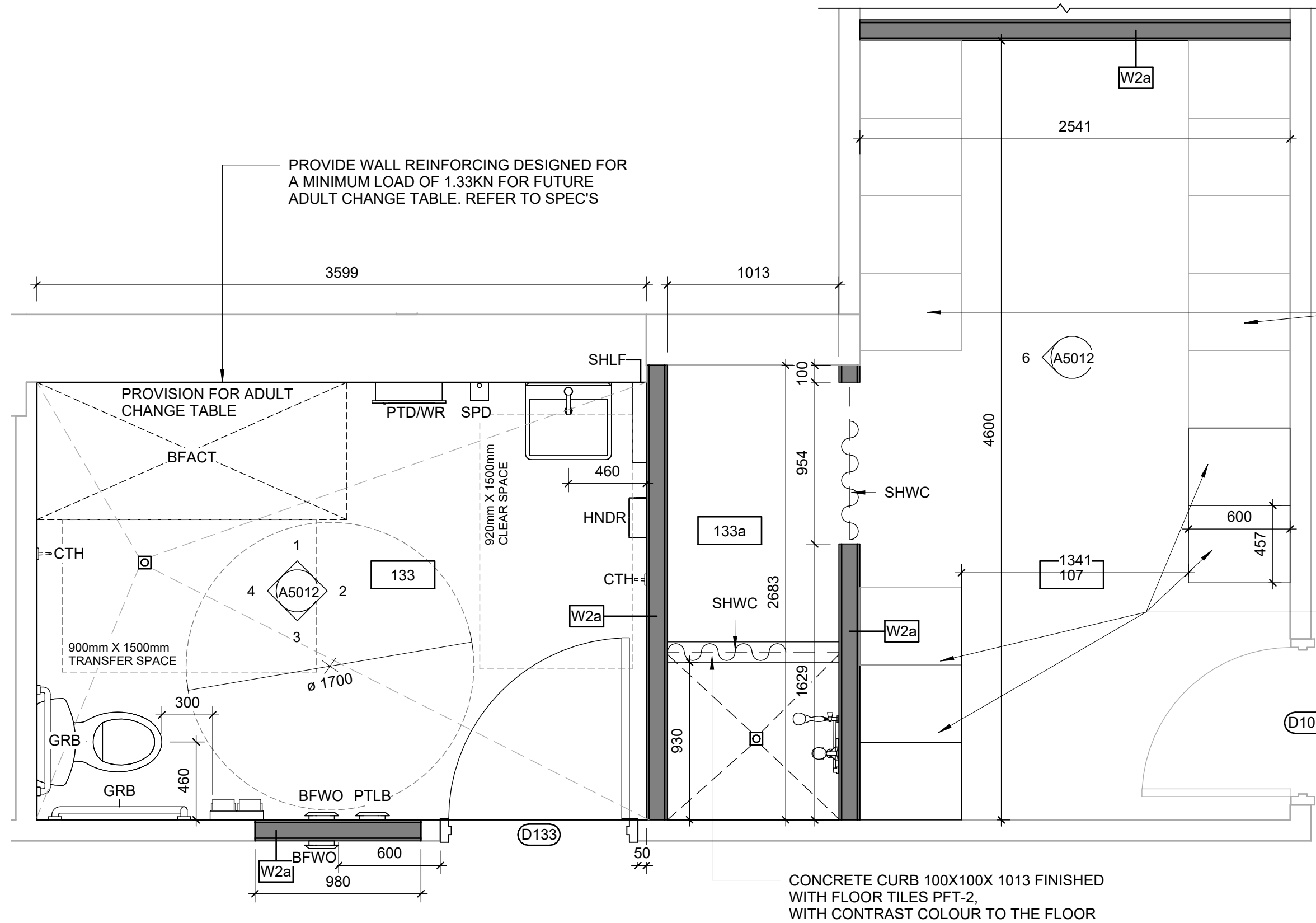


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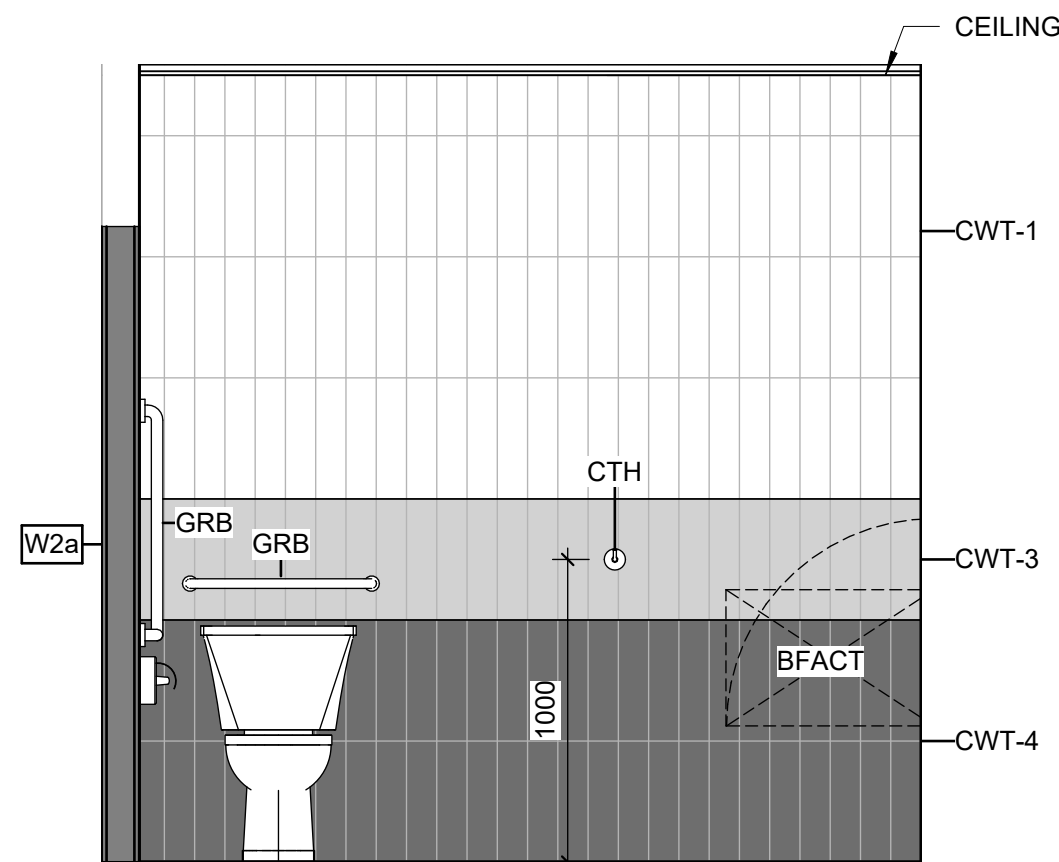
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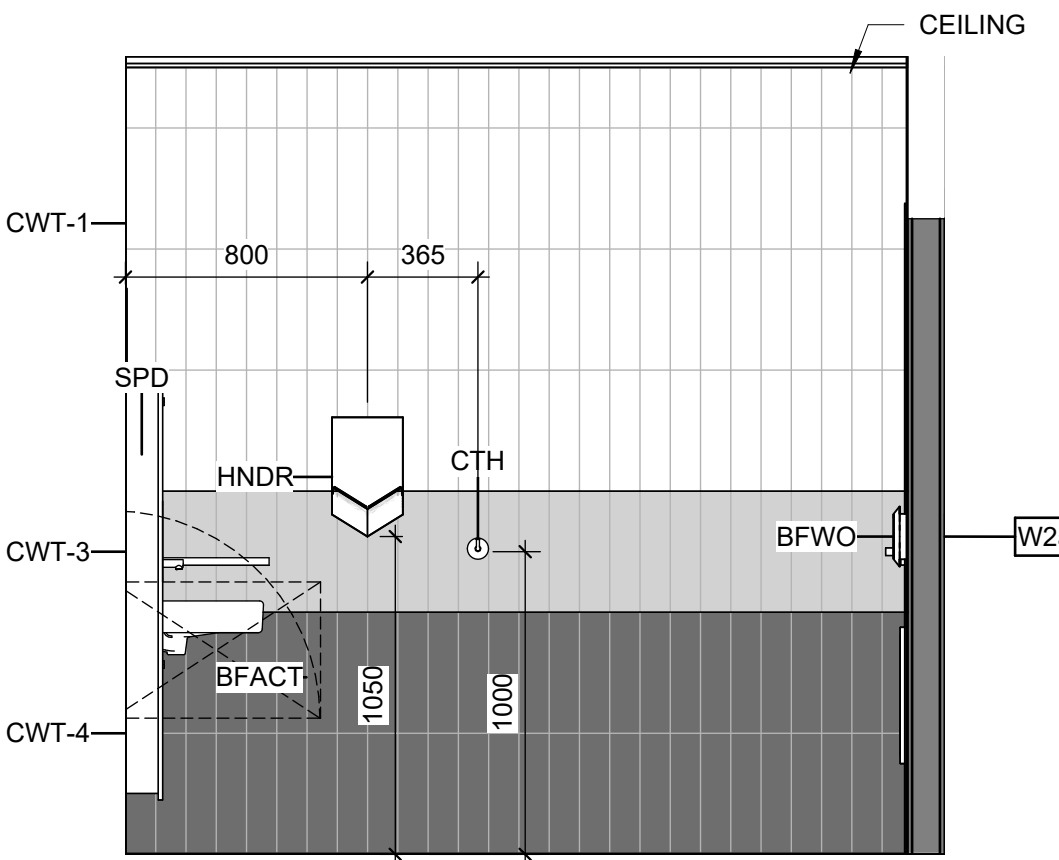
ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION	2022-04-27
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C	ISSUED FOR PERMIT	2022-08-24
D	ISSUED FOR TENDER	2025-04-11



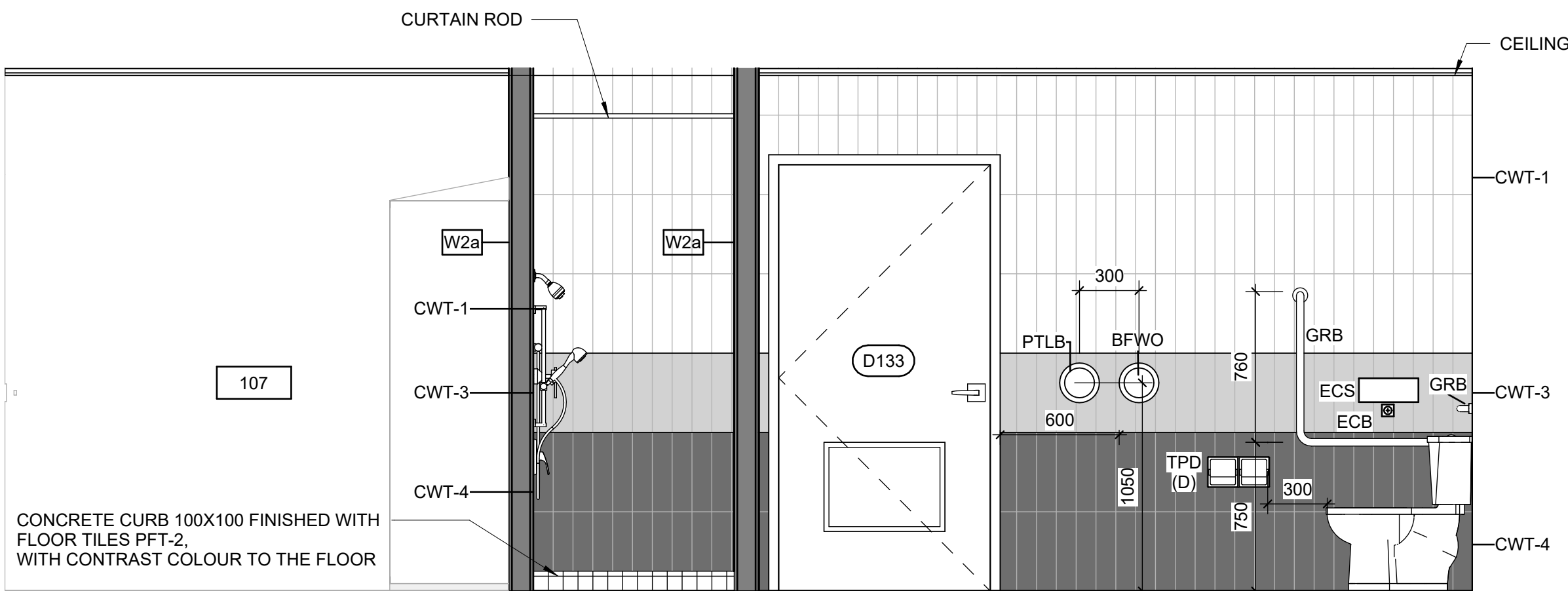
6 ROOM 107 - WEST ELEVATION  
Scale: 1 : 25



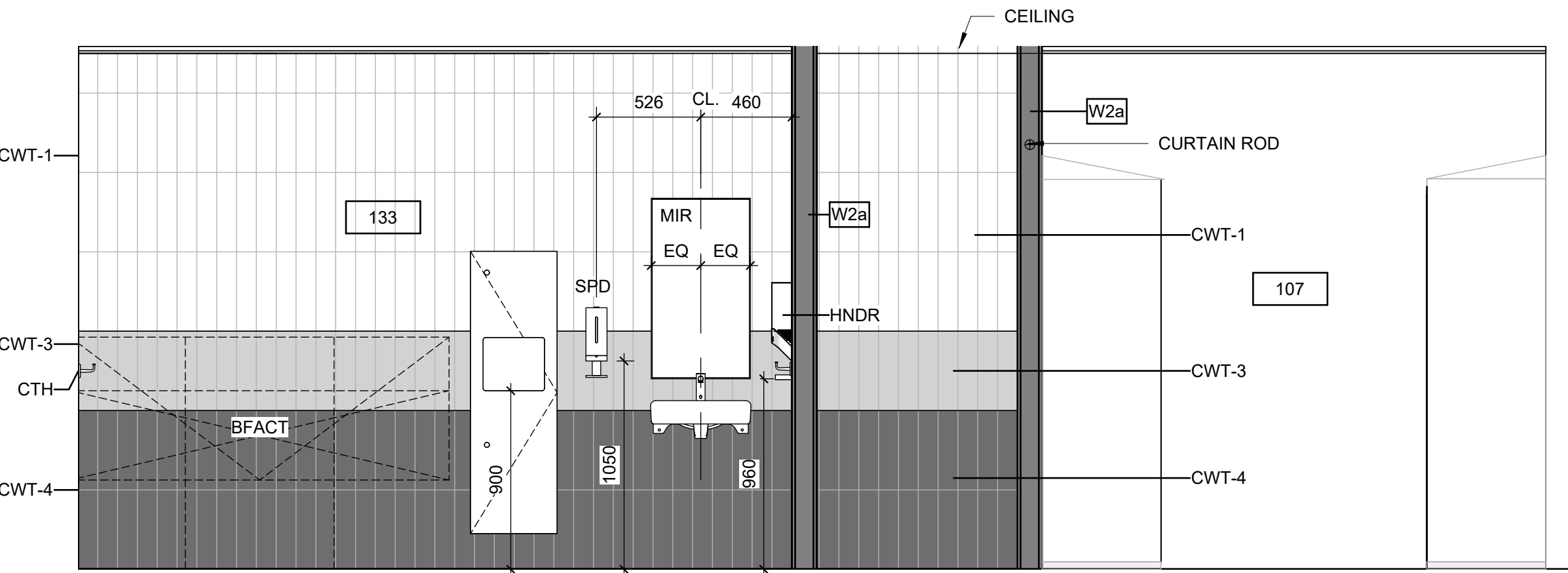
4 UNIVERSAL WASHROOM - WEST ELEVATION  
Scale: 1 : 25



2 UNIVERSAL WASHROOM -EAST ELEVATION  
Scale: 1 : 25

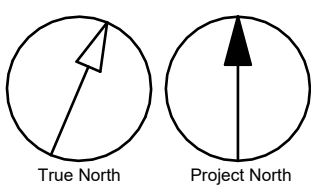
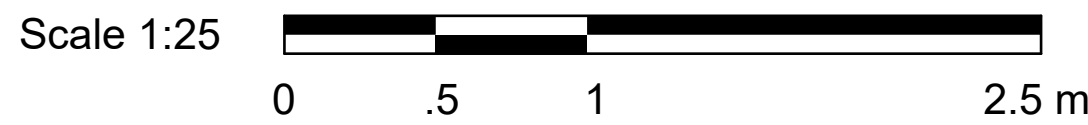


3 UNIVERSAL WASHROOM - SOUTH ELEVATION  
Scale: 1 : 25




1 UNIVERSAL WASHROOM - NORTH ELEVATION  
Scale: 1 : 25

5 UNIVERSAL WASHROOM -ENLARGED PLAN  
Scale: 1 : 25



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PROJECT TITLE

CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE  
ENFORCEMENT OFFICE  
2440 LAWRENCE AVE E

PROJECT NO:  
Arcadis 30279056

DRAWN BY:  
J.SUN

CHECKED BY:  
L. BANDIERA

PROJECT MGR:  
N. FRISCH

APPROVED BY:  
M. KOTBY

SHEET TITLE

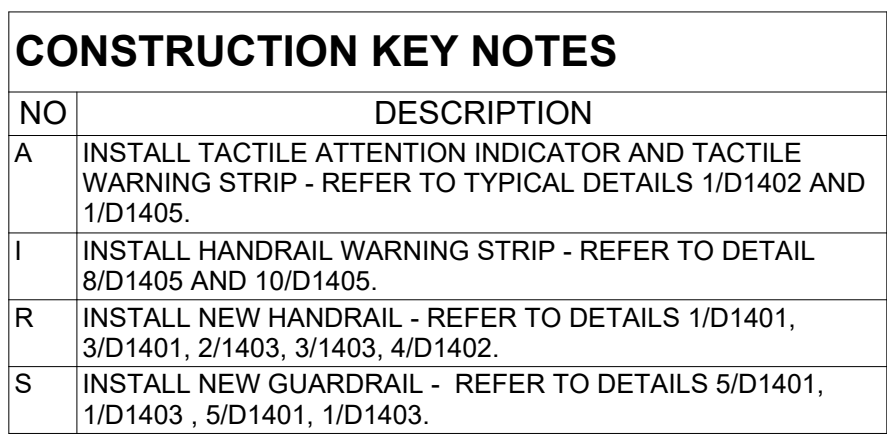
WASHROOM  
PLANS/ELEVATIONS

SHEET NUMBER

G03-141-A5012

ISSUE

D



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PROJECT TITLE  
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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

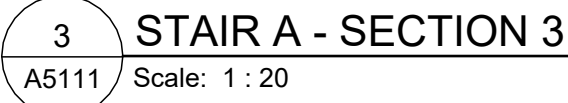
POLICE - BAIL & PAROLE  
ENFORCEMENT OFFICE  
2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056	
DRAWN BY: <b>J. SUN</b>	CHECKED BY: <b>L. BANDIERA</b>
PROJECT MGR: <b>N. FRISCIC</b>	APPROVED BY: <b>M. KOTBY</b>

## STAIR PLANS AND SECTIONS

SHEET NUMBER  
G03-141-A5111

ISSUE  
D

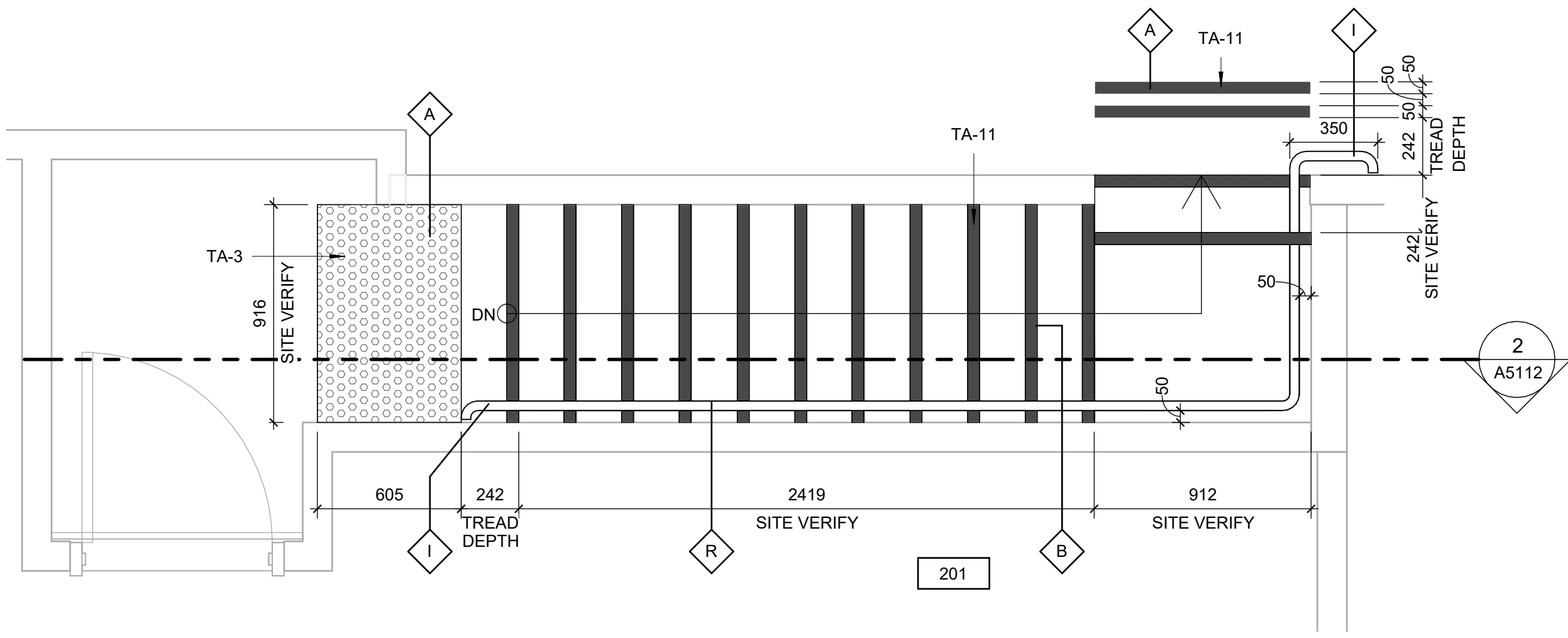
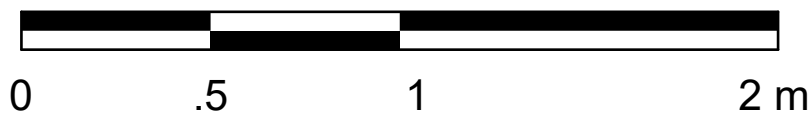


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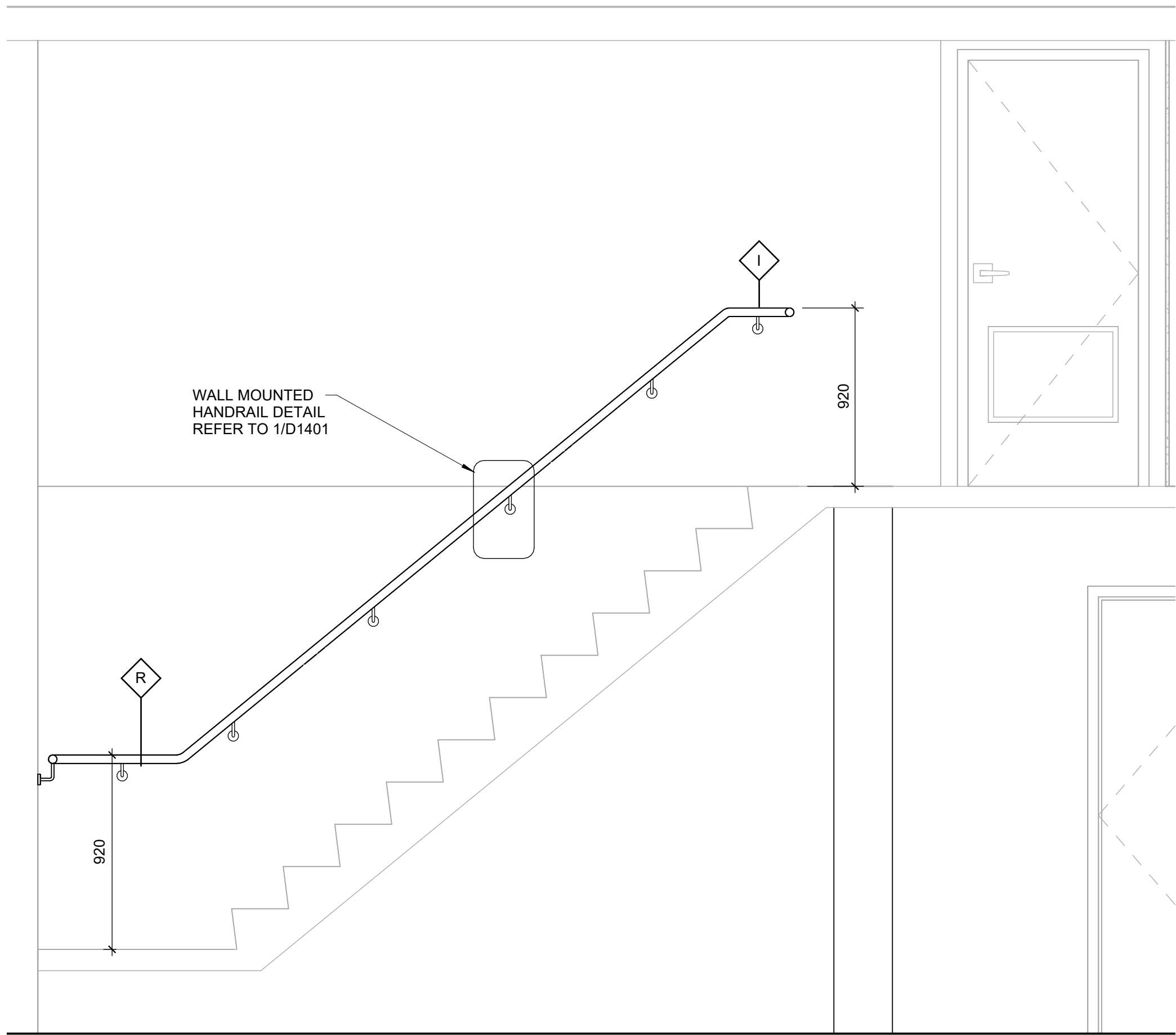
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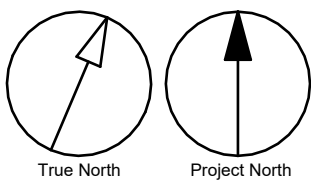
Scale 1:20



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



2 STAIR B - SECTION  
A5112 Scale: 1 : 20



### CONSTRUCTION KEY NOTES

NO	DESCRIPTION
A	INSTALL TACTILE ATTENTION INDICATOR AND TACTILE WARNING STRIP - REFER TO TYPICAL DETAILS 1/D1402 AND 1/D1405.
B	INSTALL COLOUR AND TEXTURE NOSING STRIP - REFER TO TYPICAL DETAIL 1/D1402.
I	INSTALL HANDRAIL WARNING STRIP - REFER TO DETAIL 8/D1405 AND 10/D1405.
R	INSTALL NEW HANDRAIL - REFER TO DETAILS 1/D1401, 3/D1401, 2/1403, 3/1403, 4/D1402.

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PROJECT TITLE

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ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE  
ENFORCEMENT OFFICE  
2440 LAWRENCE AVE E

PROJECT NO:

Arcadis 30279056

DRAWN BY:

J.SUN

CHECKED BY:

L. BANDIERA

PROJECT MGR:

N. FRISCIC

APPROVED BY:

M. KOTBY

SHEET TITLE

STAIR PLANS AND  
SECTIONS

SHEET NUMBER

G03-141-A5112

ISSUE

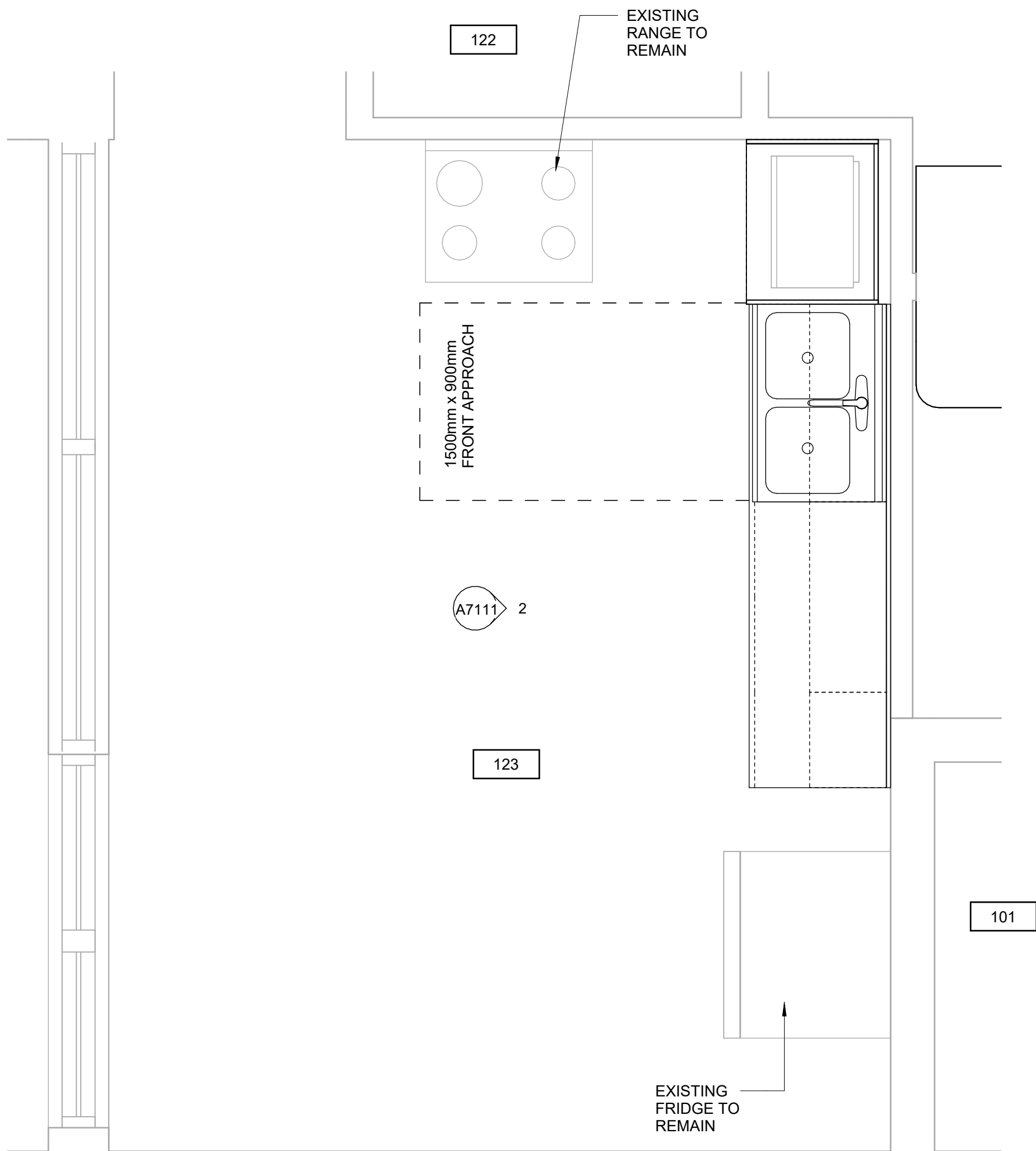
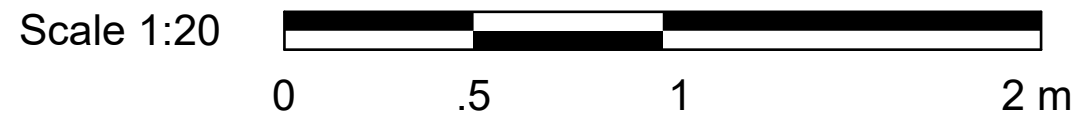
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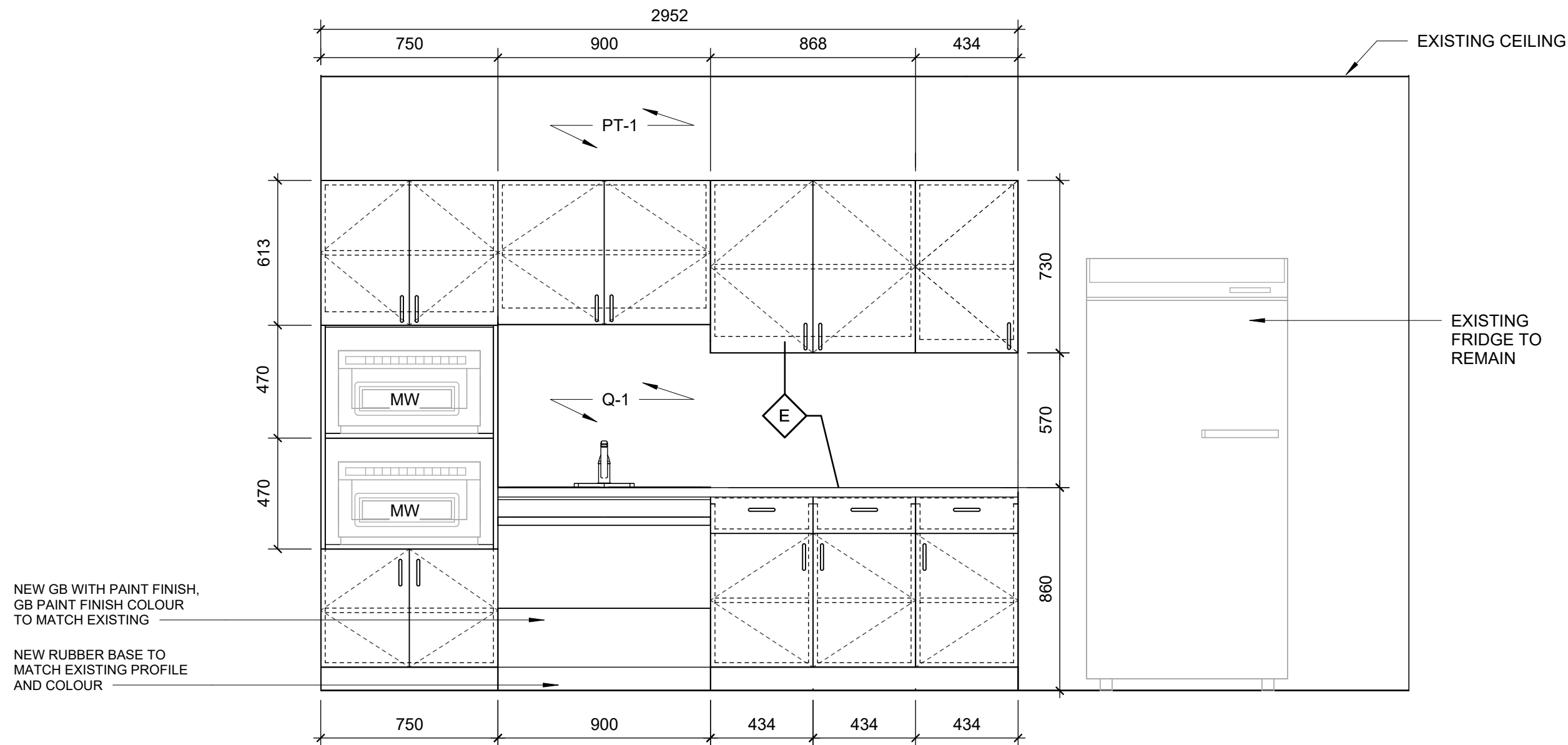
1 mm

SCALE CHECK  
1 m

5/6/2025 10:38:08 AM



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



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

### 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.

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D	ISSUED FOR TENDER	2025-04-11

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PROJECT TITLE  
**CITY OF TORONTO  
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PROJECT ADDRESS  
**POLICE - BAIL & PAROLE  
ENFORCEMENT OFFICE  
2440 LAWRENCE AVE E**

PROJECT NO:  
**Arcadis 30279056**

DRAWN BY:  
**J. SUN**

CHECKED BY:  
**L. BANDIERA**

PROJECT MGR:  
**N. FRISCIC**

APPROVED BY:  
**M. KOTBY**

#### SHEET TITLE

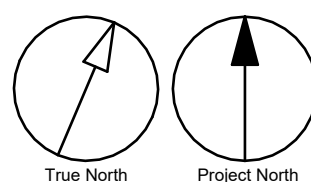
**MILLWORK  
KITCHEN 123**

#### SHEET NUMBER

**G03-141-A7111**

#### ISSUE

**D**



Autodesk Docs/112280 - Cot TAU Upgrades R2020/12280-TAU-3-141-2440LWRNCA-R20.rvt

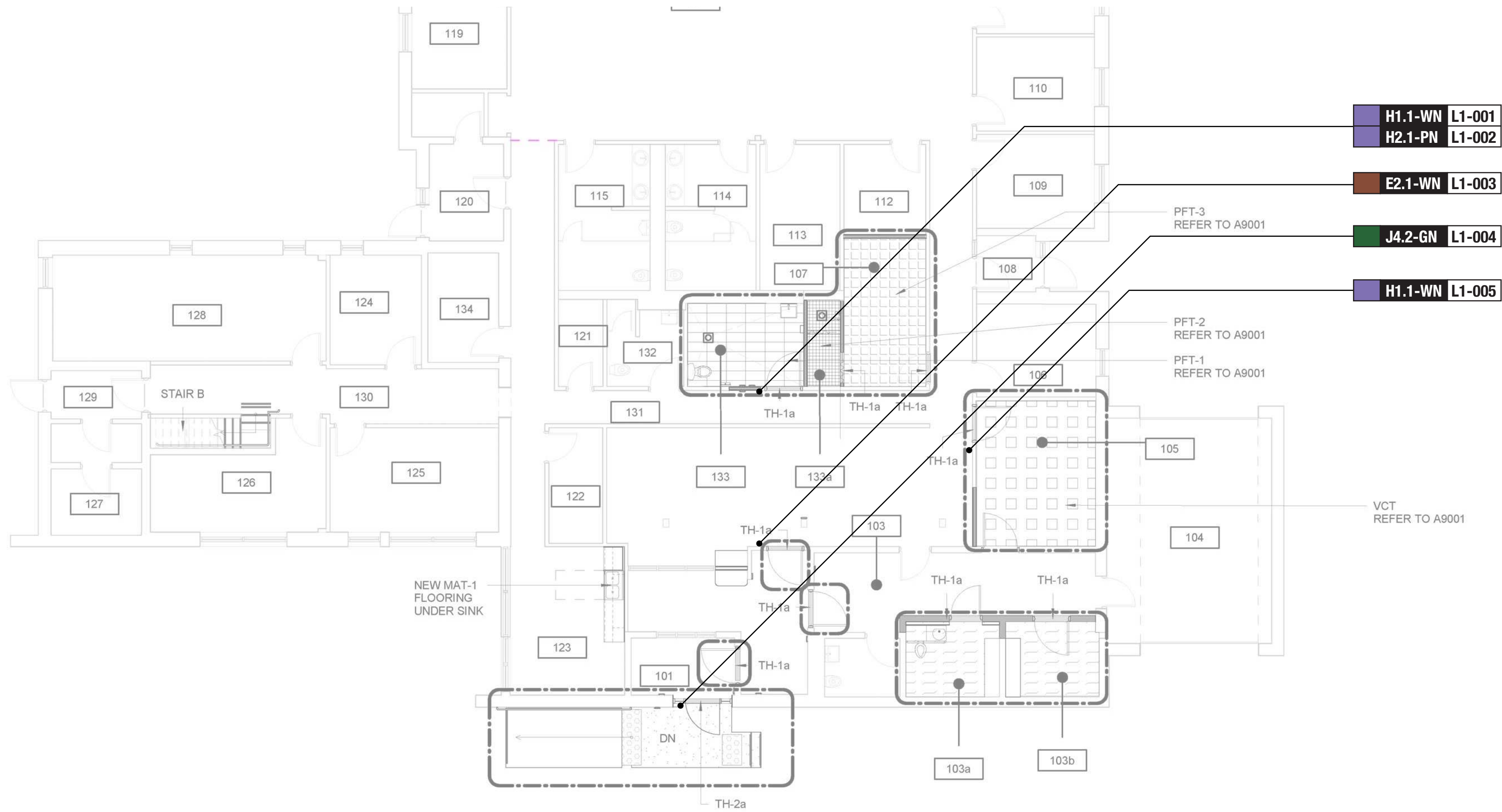
1/10mm

SCALE CHECK  
1 m



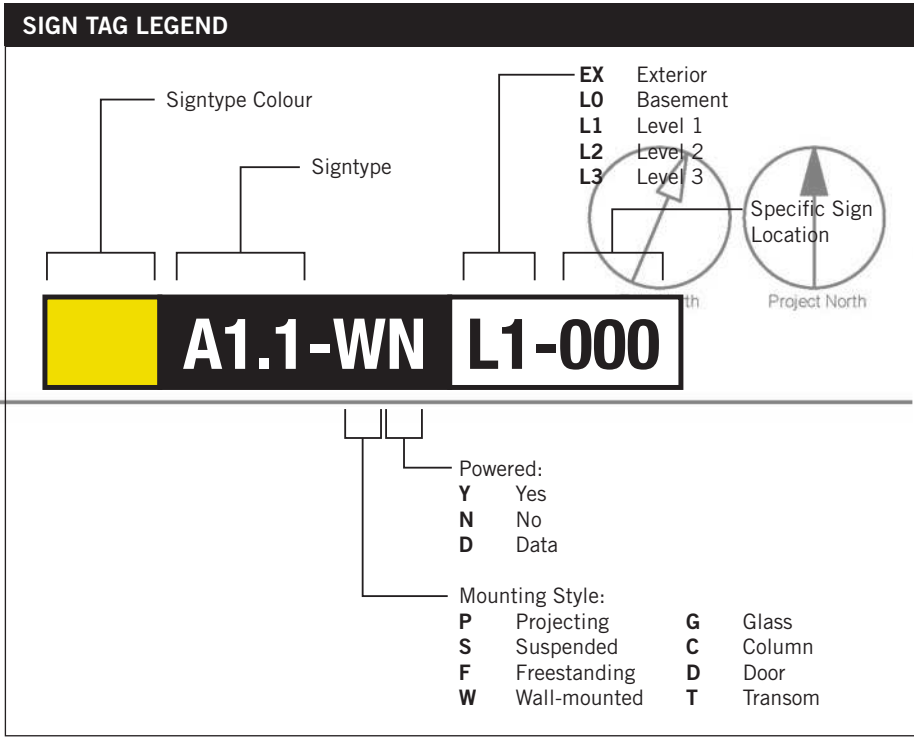


Note:  
Refer to technical drawing D1901 - Typical Toronto  
Police Service Standards, for signage requirements



1 FIRST FLOOR PROPOSED FLOOR FINISH PLAN  
A2611 Scale: 1 : 100


Scale 1:100  
0 2.5 5 10 m



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

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ISSUES

No.	DESCRIPTION	DATE
A	ISSUED FOR TENDER	2022-12-09


CONSULTANTS

ENTRO

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

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PROJECT TITLE

CITY OF TORONTO

ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE - BAIL & PAROLE

ENFORCEMENT OFFICE

2440 LAWRENCE AVE.

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

LEVEL 1 LOCATION PLAN

SHEET NUMBER

G03-141-A8010

ISSUE


A

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

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

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No.	DESCRIPTION	DATE
A	ISSUED FOR TENDER	2022-12-09

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PROJECT TITLE

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PROJECT ADDRESS

ELLESMERE YARD BLDG. A  
2000 MIDLAND AVE.

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  
MESSAGE SCHEDULE

SHEET NUMBER

G03-114-A8100

ISSUE

A

C:\Users\lara.boyanlian\Desktop\TAU-031 - 100 QUEEN ST WEST - CITY HALL.rvt

1 of 1

SCALE CHECK

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

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No.	DESCRIPTION	DATE
A	50% SUBMISSION	2022-04-11
B	90% SUBMISSION	2022-07-29
C	ISSUED FOR PERMIT	2022-07-29
D	ISSUED FOR TENDER	2022-12-09
E	ISSUED FOR TENDER	2024-04-11

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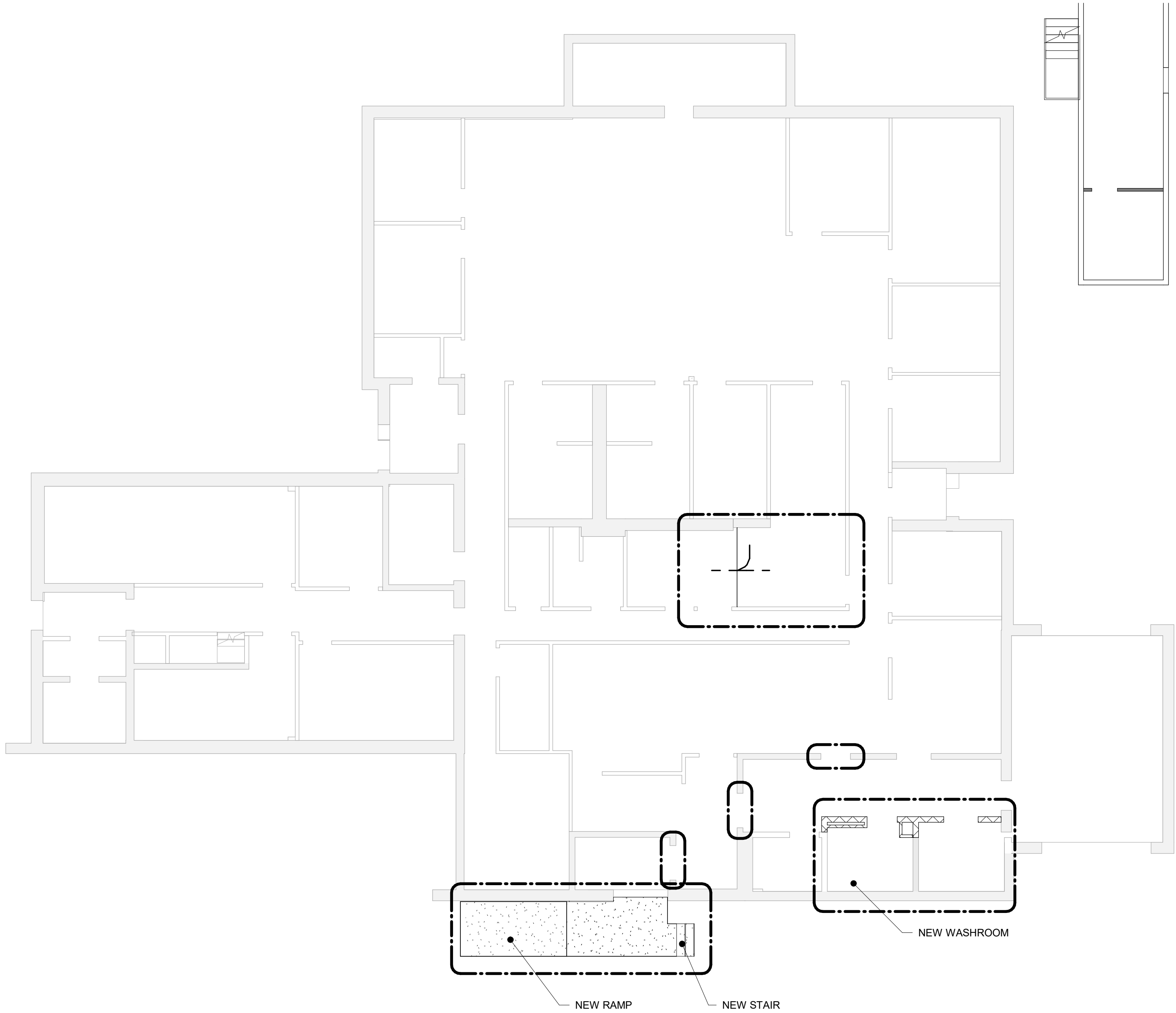
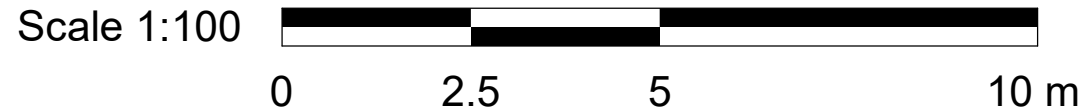
PROJECT ADDRESS  
POLICE - BAIL & PAROLE  
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2440 LAWRENCE AVE E

PROJECT NO: Arcadis 30279056	
DRAWN BY: G. POULOU	CHECKED BY: M. FAYAZI
PROJECT MGR: N. FRISCIC	APPROVED BY: K. ANGER

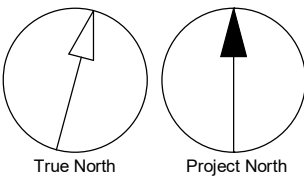
SHEET TITLE  
DRAWING LIST

SHEET NUMBER G03-141-S0001	ISSUE E
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1 SITE PLAN  
S1201 Scale: 1 : 100



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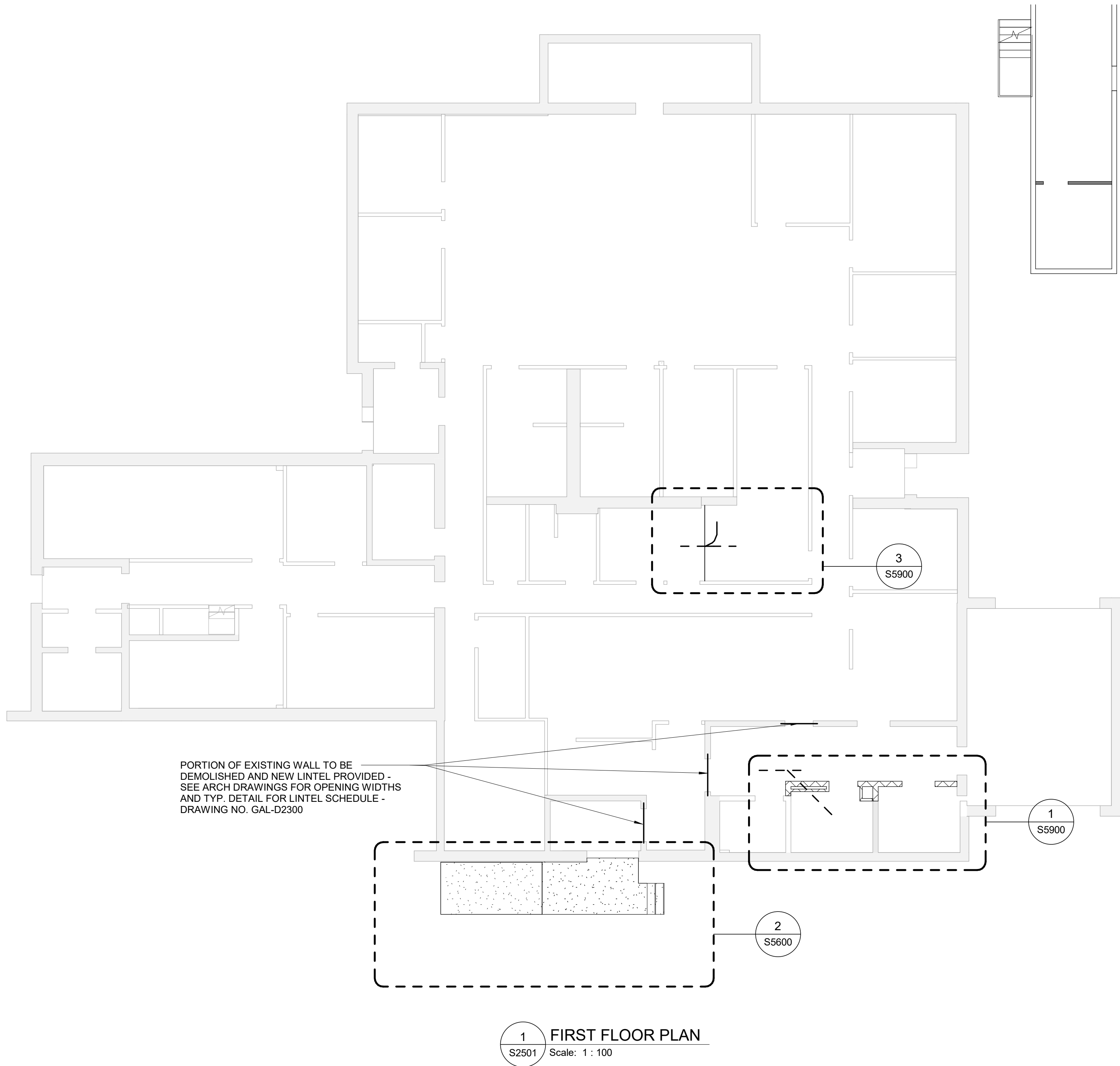
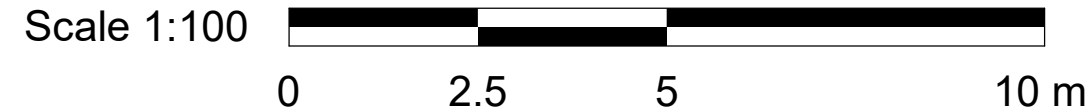
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DRAWN BY: <b>G. POULOU</b>	CHECKED BY: <b>M. FAYAZI</b>
PROJECT MGR: <b>N. FRISCIC</b>	APPROVED BY: <b>K. ANGER</b>

SHEET TITLE  
**SITE PLAN**

SHEET NUMBER <b>G03-141-S1201</b>	ISSUE <b>E</b>
--------------------------------------	-------------------

Autodesk Docs // 122260 - Cot TAU Upgrades R20241/22260-TAU-3-141-2440-LVRNC-S-R201.rvt 1/11

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CHECKED BY:  
**M. FAYAZI**

PROJECT MGR:  
**N. FRISCIC**

APPROVED BY:  
**K. ANGER**

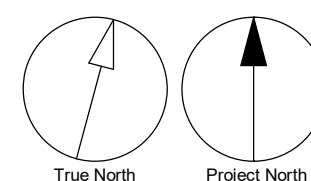
SHEET TITLE  
**FIRST FLOOR PLAN**

SHEET NUMBER

**G03-141-S2501**

ISSUE

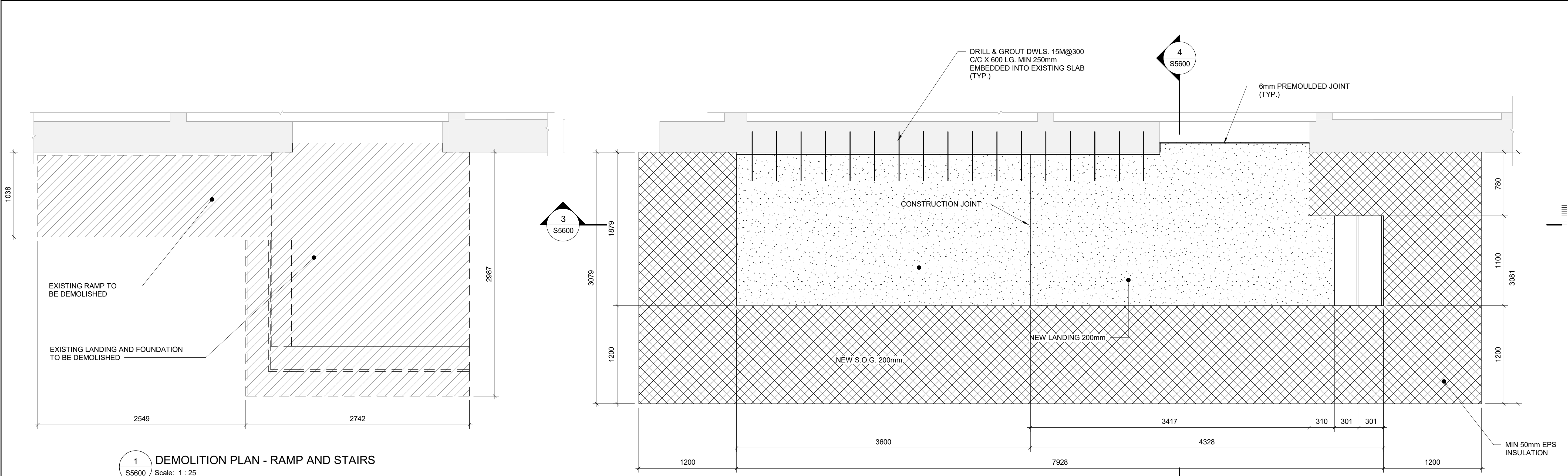
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Autodesk Docs // 122260 - Cot TAU Upgrades R2024122260-TAU-3-141-2440-LVRNC-S-R201.rvt

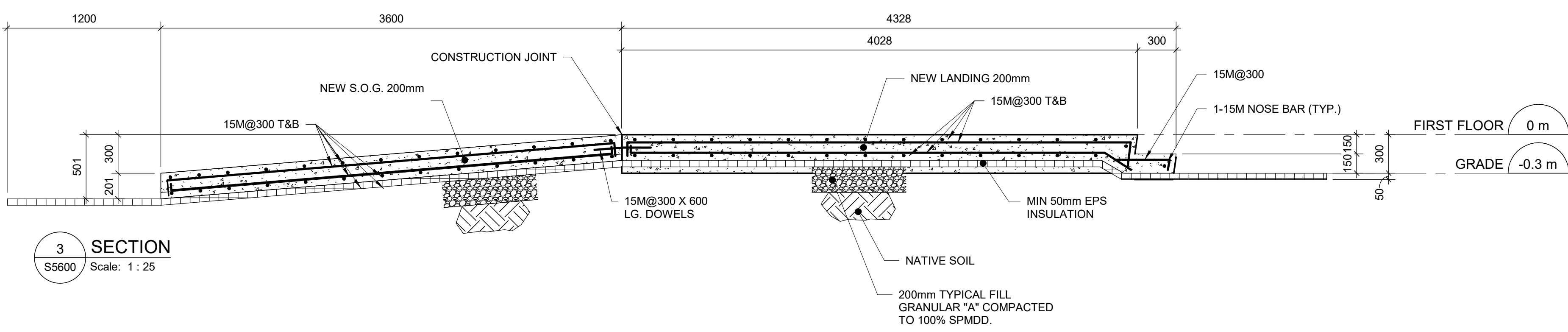
10mm

SCALE CHECK  
1 m

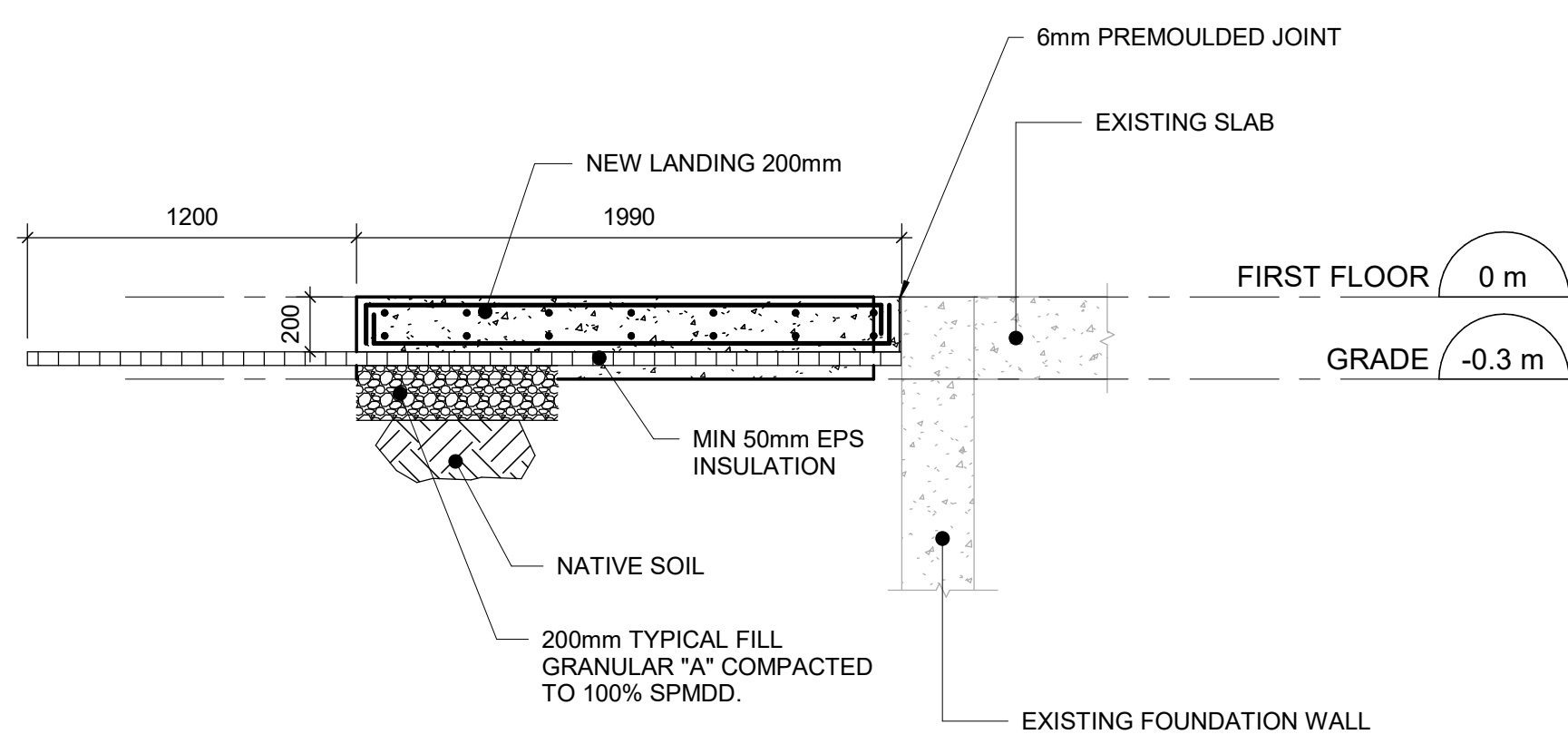


1 DEMOLITION PLAN - RAMP AND STAIRS  
S5600 Scale: 1 : 25

2 PROPOSED PLAN - RAMP AND STAIRS  
S5600 Scale: 1 : 25



3 SECTION  
S5600 Scale: 1 : 25



4 SECTION  
S5600 Scale: 1 : 25



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E	ISSUED FOR TENDER	2024-04-11

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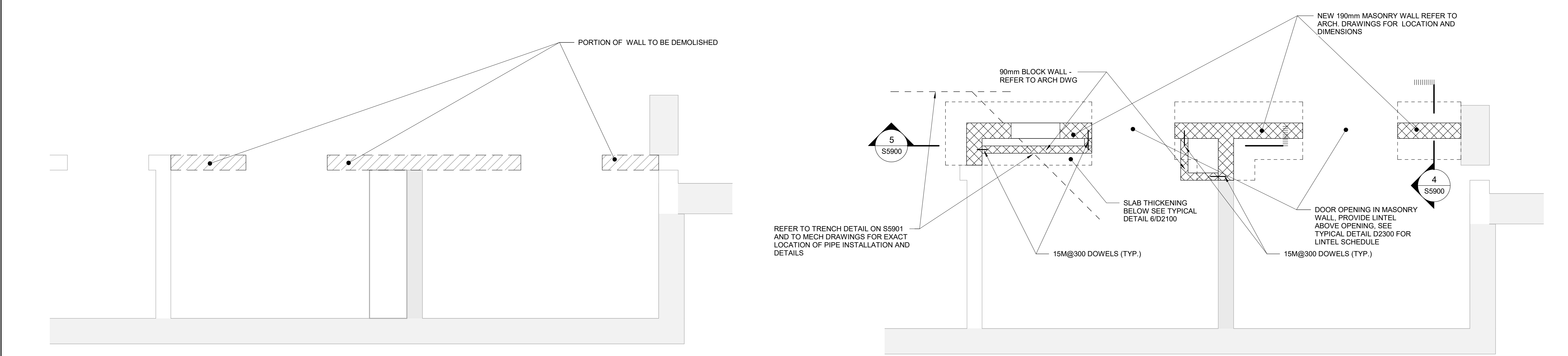
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PROJECT NO:  
**Arcadis 30279056**

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

SHEET TITLE  
**PLANS, SECTION -  
RAMPS**

SHEET NUMBER <b>G03-141-S5600</b>	ISSUE <b>E</b>
--------------------------------------	-------------------

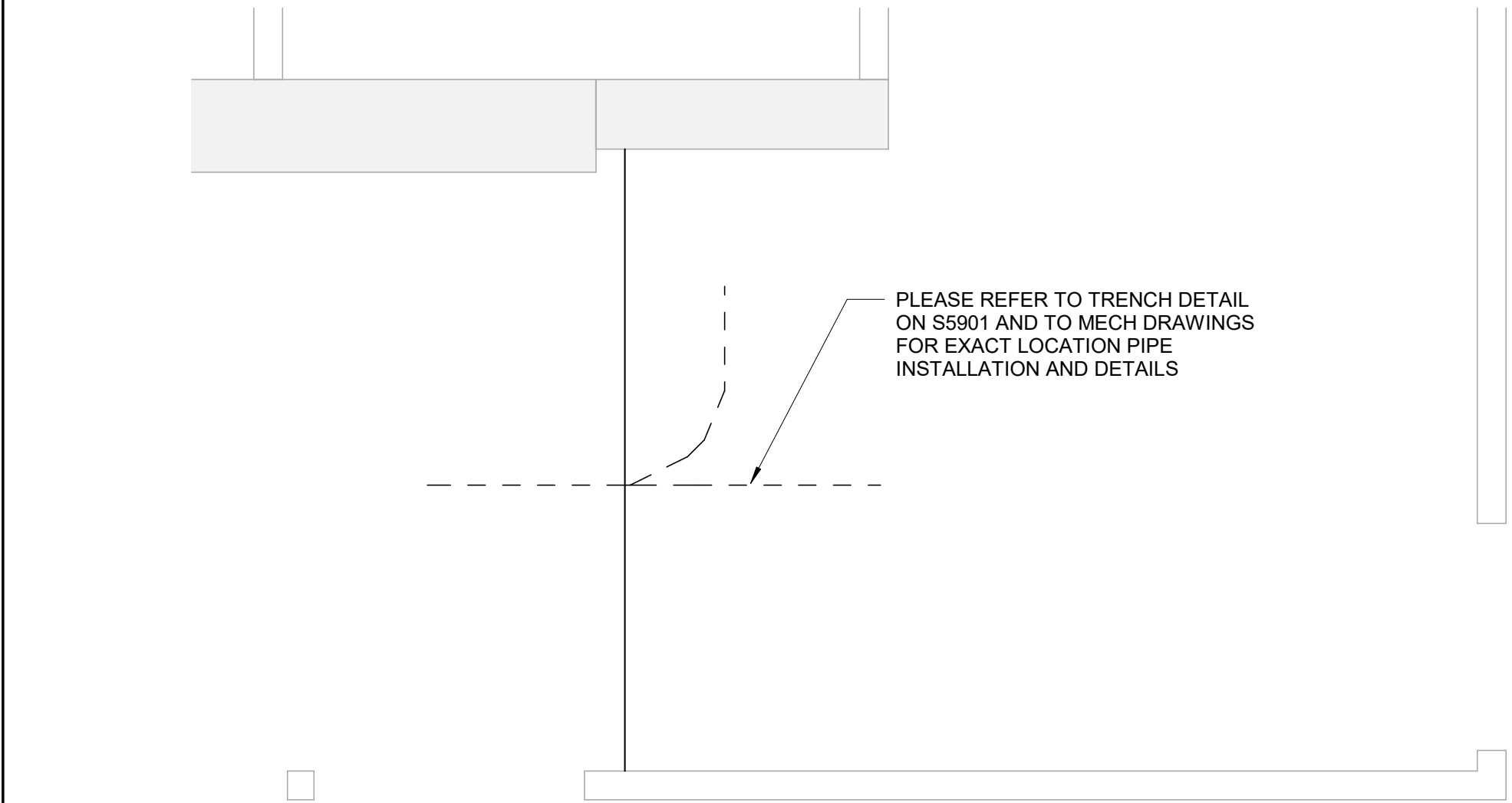


1 NEW WASHROOM - DEMOLITION PLAN  
S5900 Scale: 1 : 25

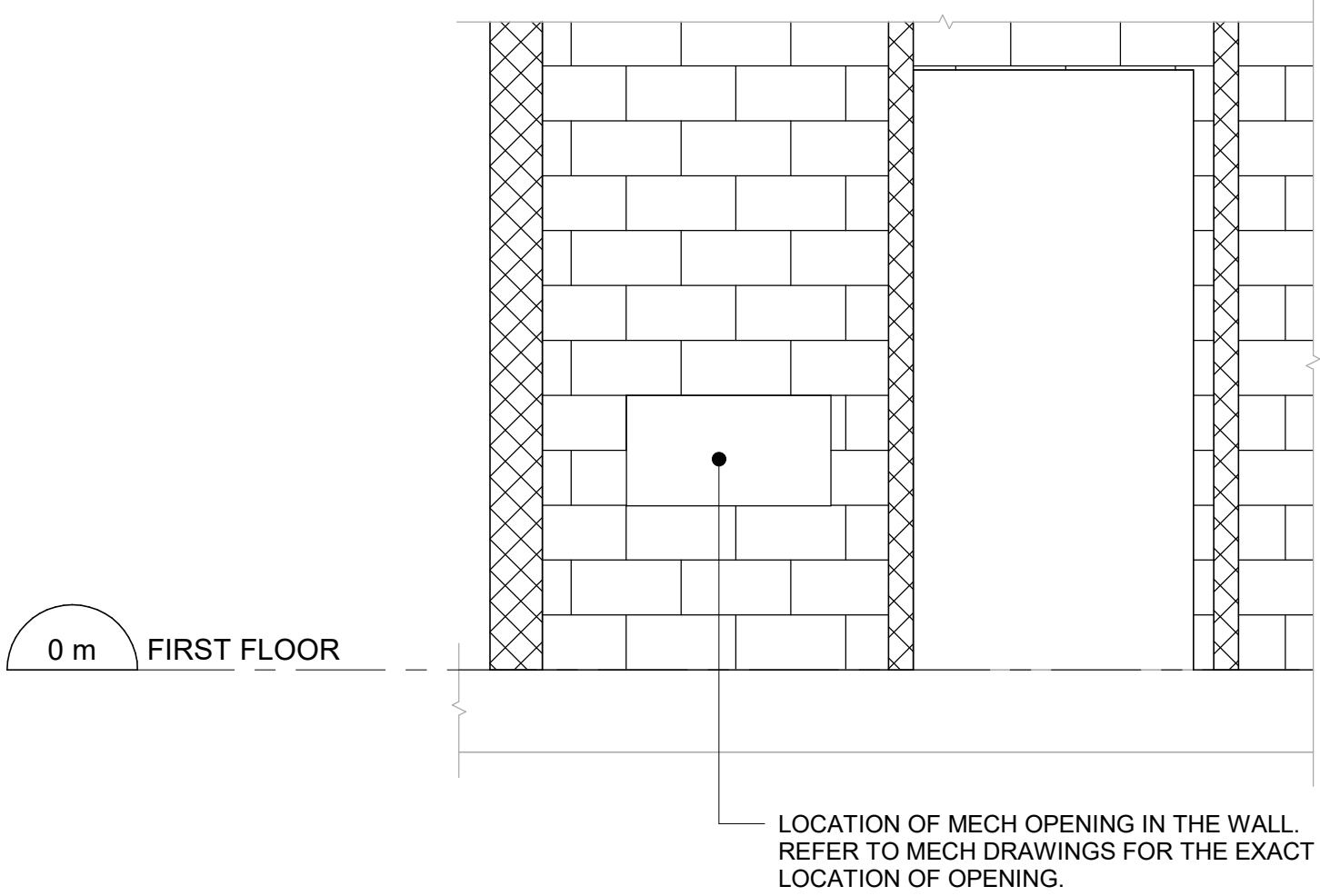
2 NEW WASHROOM - PROPOSED PLAN  
S5900 Scale: 1 : 25

NOTE:

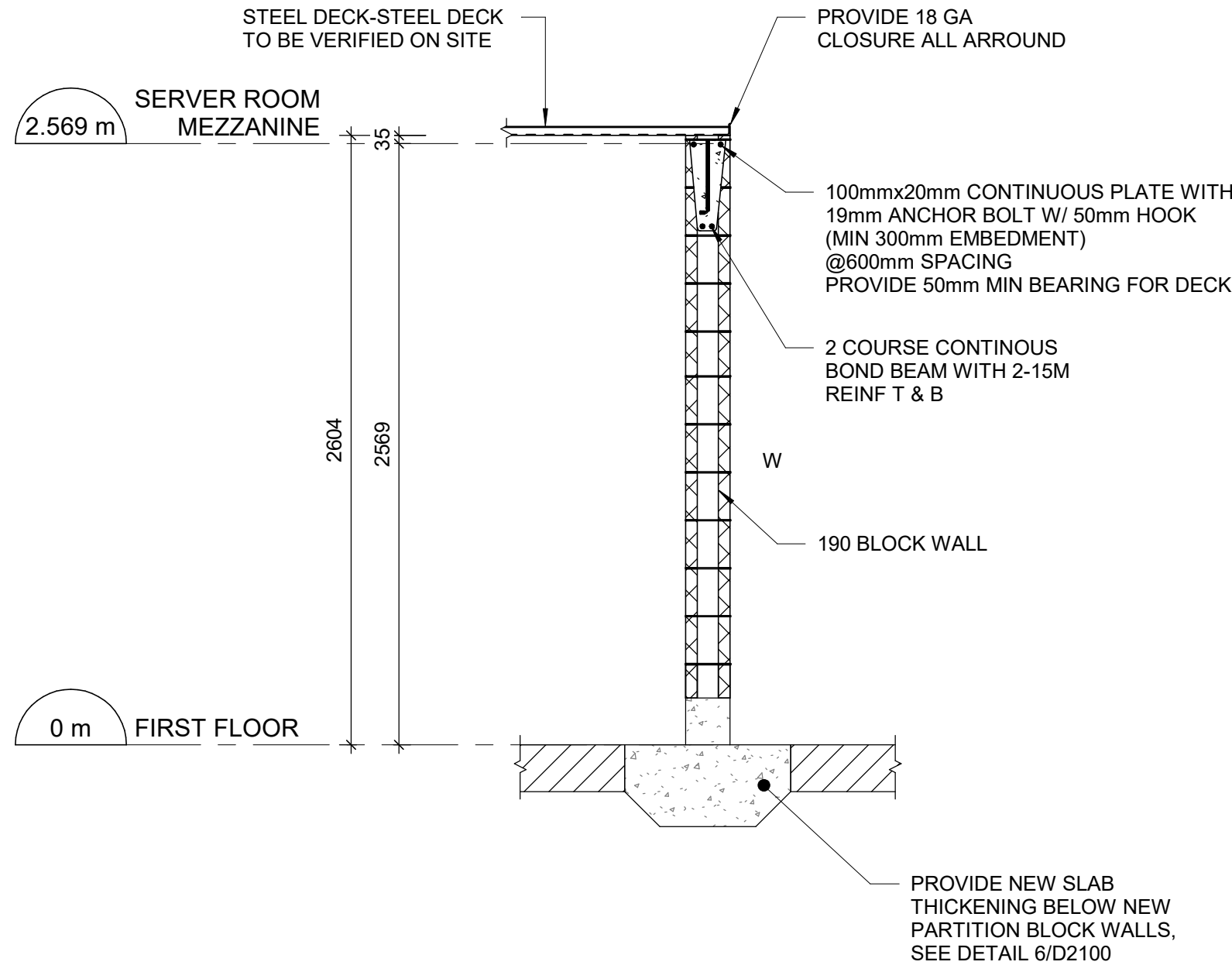
- CONTRACTOR TO PROVIDE TEMPORARY SHORING TO SUPPORT EXISTING JOISTS DURING CONSTRUCTION UNTIL NEW WALL IS COMPLETELY BUILT.
- CONTRACTOR TO CONFIRM HIGHLIGHTED WALLS TO BE DEMOLISHED ARE NOT LOAD BEARING AND NOTIFY IBI IN ANY DIFFERING CASE PRIOR TO ANY CONSTRUCTION.



3 WASHROOM MODIFICATION - PROPOSED PLAN  
S5900 Scale: 1 : 25



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

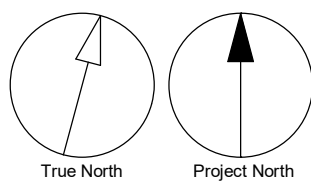


4 SECTION  
S5900 Scale: 1 : 25

BLOCK WALL SCHEDULE				
MARK	WALL TYPE	VERT. REINFORCING	HORIZ. REINFORCING	REMARKS
W	190mm	15M@ 600 C/C	10M@600	1. WALL TO BE GROUTED AT REINFORCED CELLS. 2. WALL TO BE DOUBLE-WYTHE WITH GROUTED COLLAR JOINT

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

Scale 1:100  
0 2.5 5 10 m



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D	ISSUED FOR TENDER	2022-12-09
E	ISSUED FOR TENDER	2024-04-11

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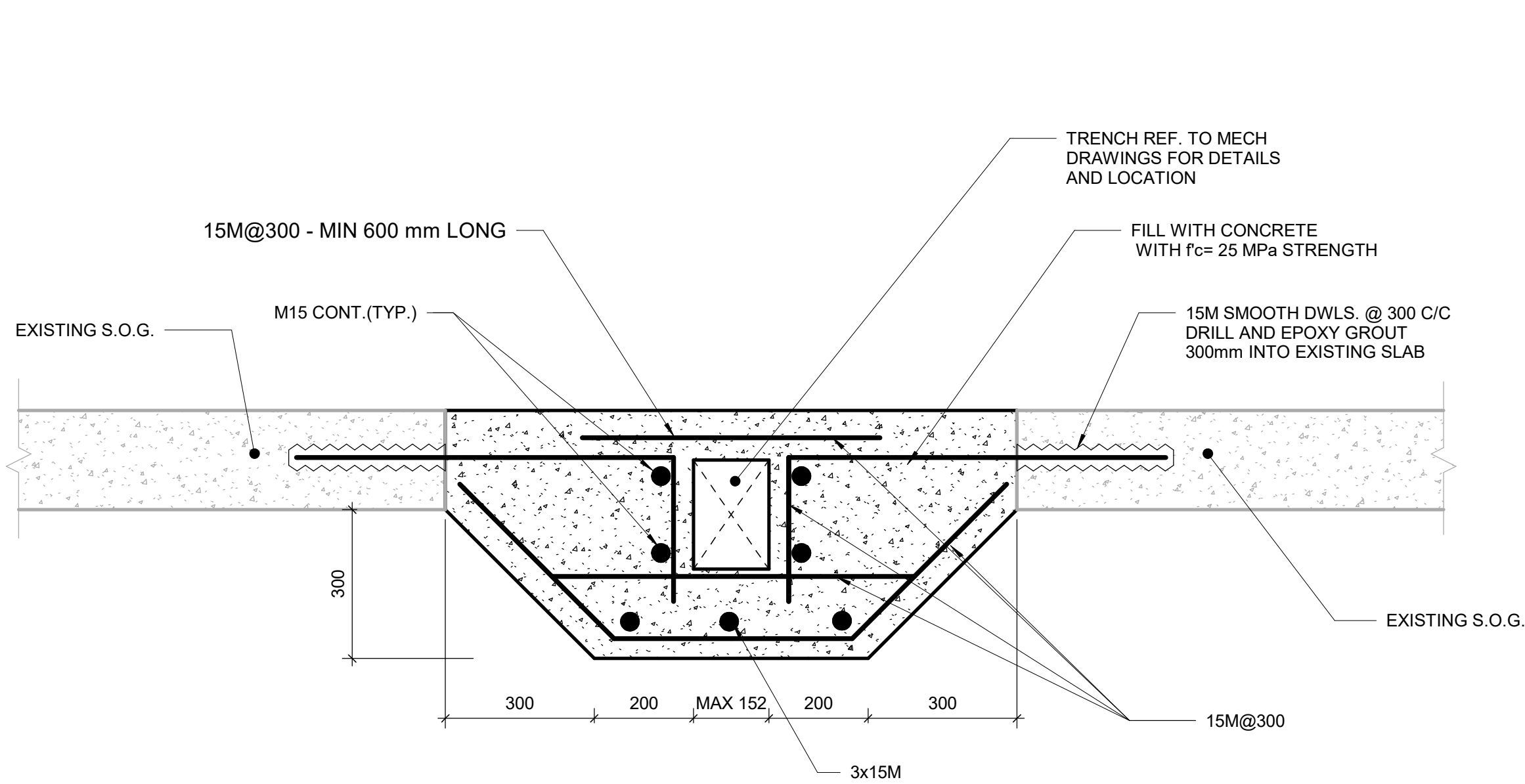
PROJECT NO:  
Arcadis 30279056

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

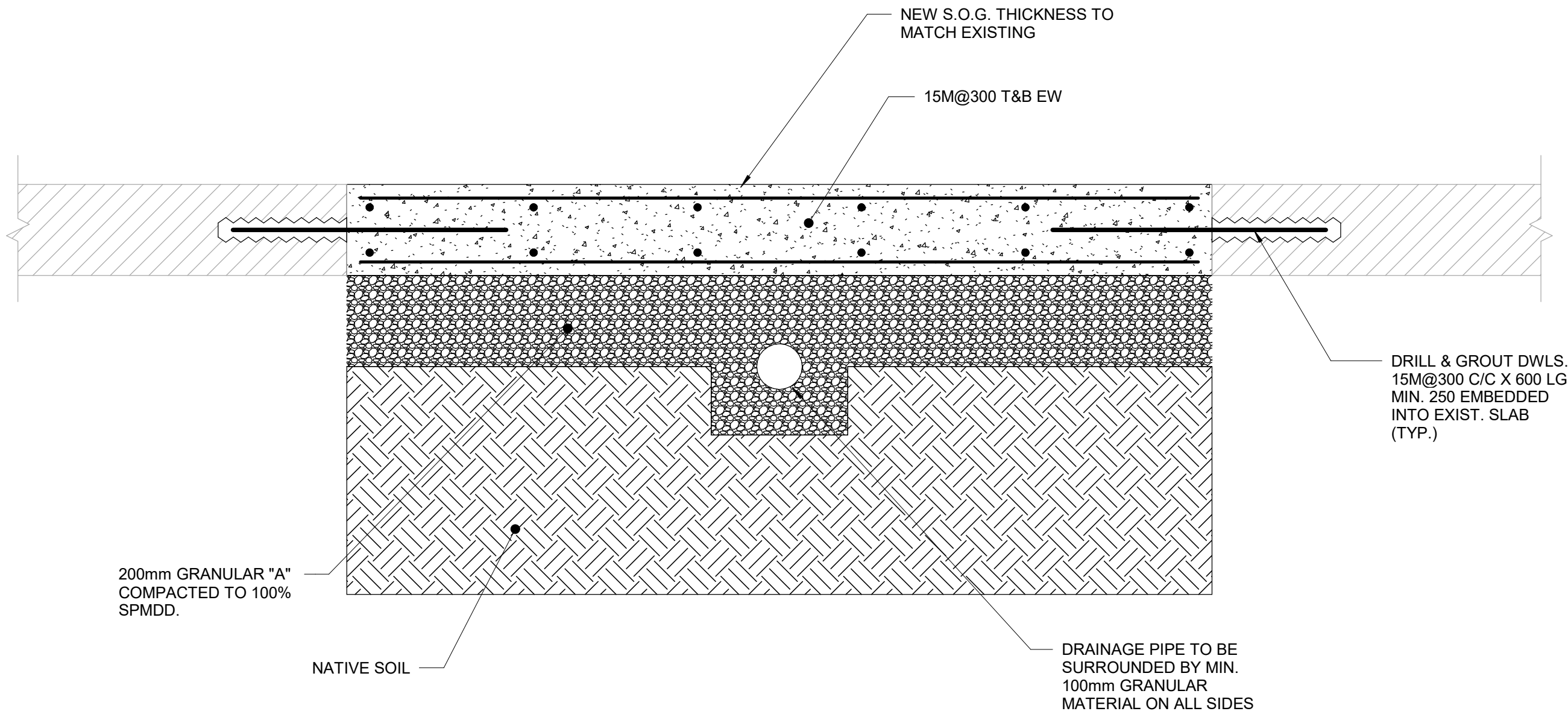
SHEET TITLE  
**NEW WASHROOM PLAN**

SHEET NUMBER  
**G03-141-S5900**

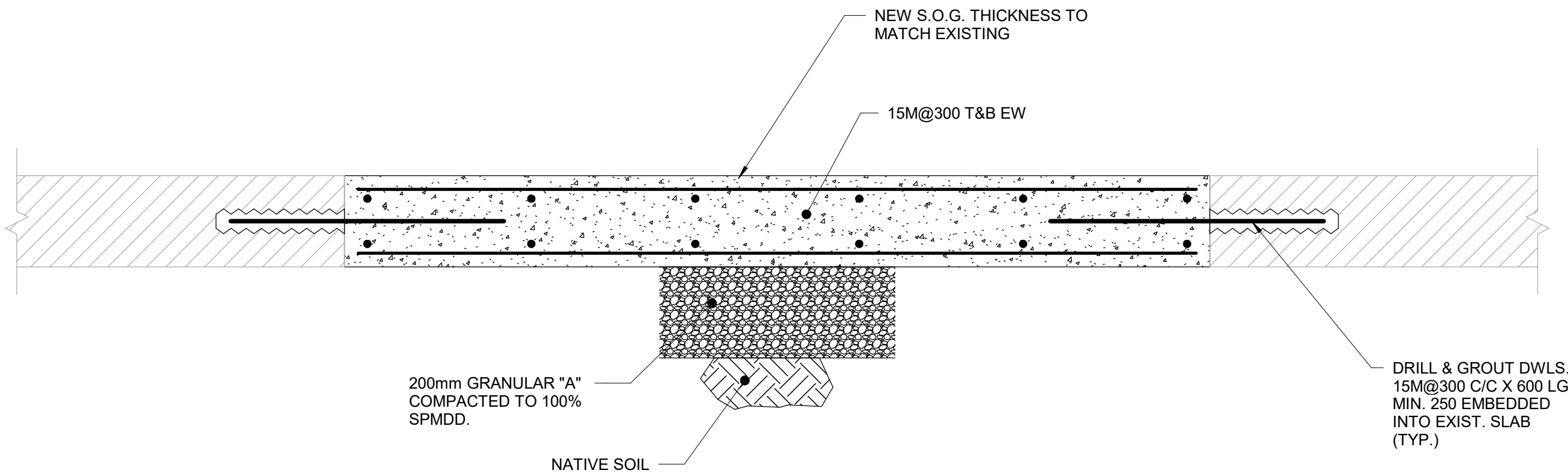
ISSUE  
**E**



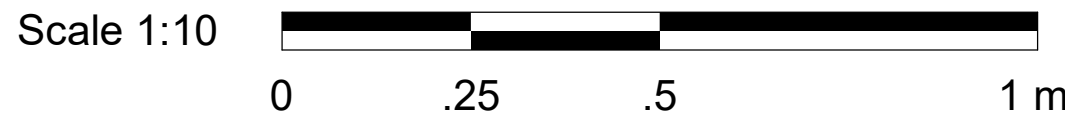
1 TRENCH DETAIL IN EXISTING SLAB - OPTION 1  
S5901 Scale: 1 : 10



2 TRENCH DETAIL IN EXISTING SLAB - OPTION 2  
S5901 Scale: 1 : 10



3 NEW SLAB ON GRADE  
S5901 Scale: 1 : 10



ISSUES		
No.	DESCRIPTION	DATE
A	ISSUED FOR PERMIT	2022-07-29
B	ISSUED FOR TENDER	2022-12-09
C	ISSUED FOR TENDER	2024-04-11

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PROJECT TITLE

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PROJECT ADDRESS

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

PROJECT NO:  
Arcadis 30279056

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

SHEET TITLE

**STRUCTURAL DETAILS**

SHEET NUMBER	ISSUE
<b>G03-141-S5901</b>	<b>C</b>

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

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D	ISSUED FOR TENDER	2025-04-18

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PROJECT ADDRESS  
  
2440 LAWRENCE AVE E

PROJECT NO:  
Arcadis 30279056

DRAWN BY: S. SHARMA	CHECKED BY: S. LIU
------------------------	-----------------------

PROJECT MGR: F. BOLOURIAN	APPROVED BY: B. LIAO
------------------------------	-------------------------

SHEET TITLE  
MECHANICAL DRAWING  
LIST

SHEET NUMBER G03-141-M0001	ISSUE D
-------------------------------	------------

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

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D	ISSUED FOR TENDER	2025-04-18

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PROJECT ADDRESS

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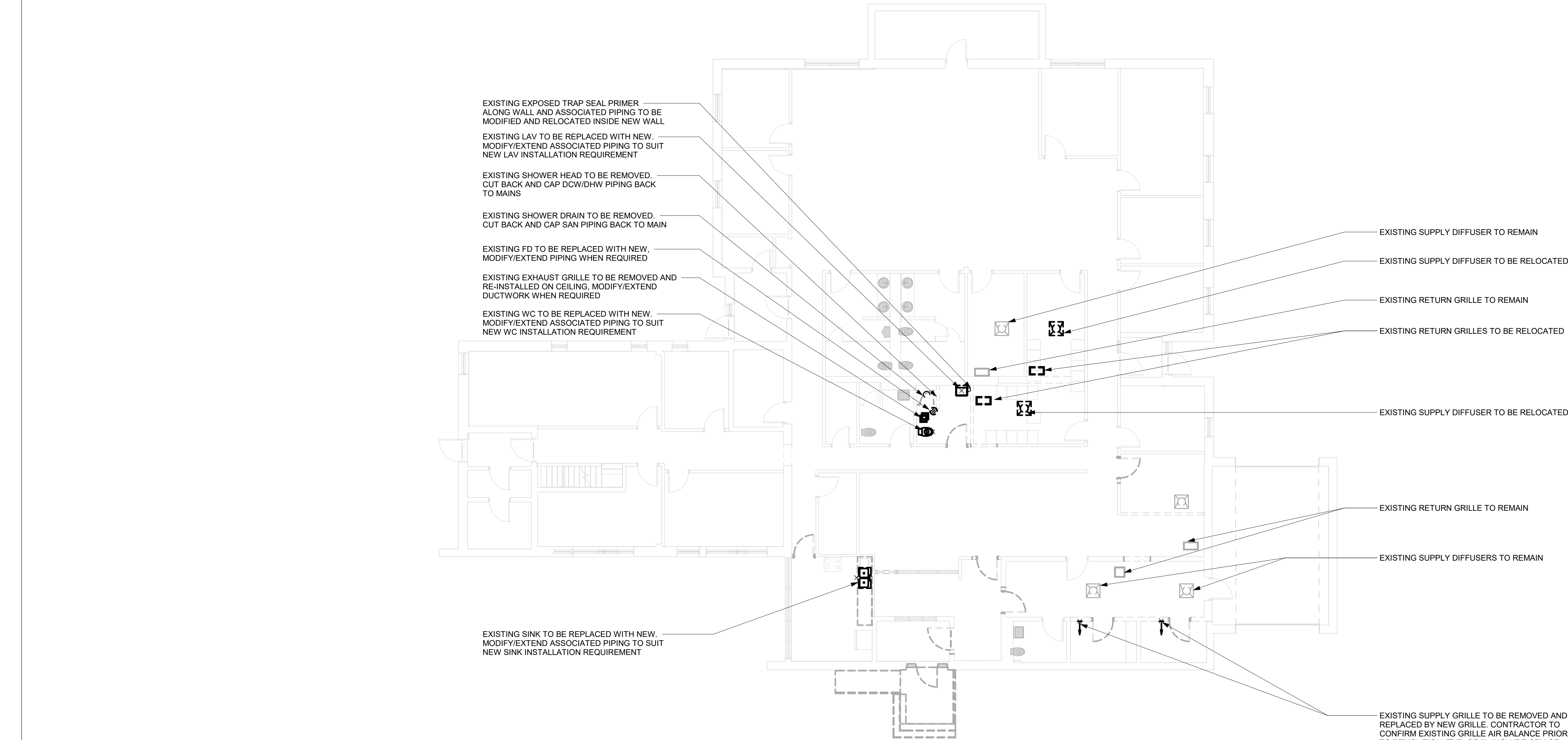
PROJECT NO:  
Arcadis 30279056

DRAWN BY: S. SHARMA	CHECKED BY: B.LIAO
------------------------	-----------------------

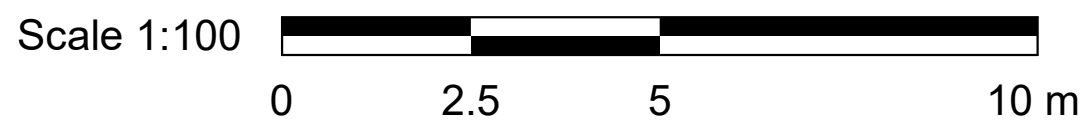
PROJECT MGR: F. BOLOURIAN	APPROVED BY: S.LIU
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SHEET TITLE  
MECHANICAL SCHEDULE

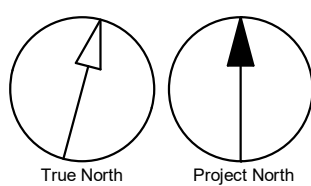
SHEET NUMBER G03-141-M0201	ISSUE D
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- GENERAL NOTES:
1. CONTRACTOR TO VERIFY SITE CONDITION.
  2. REMOVE AND CAP EXISTING SERVICES AS SHOWN ON THE DRAWING.
  3. ALL EXISTING SERVICES SHALL REMAIN UNLESS OTHERWISE NOTED.



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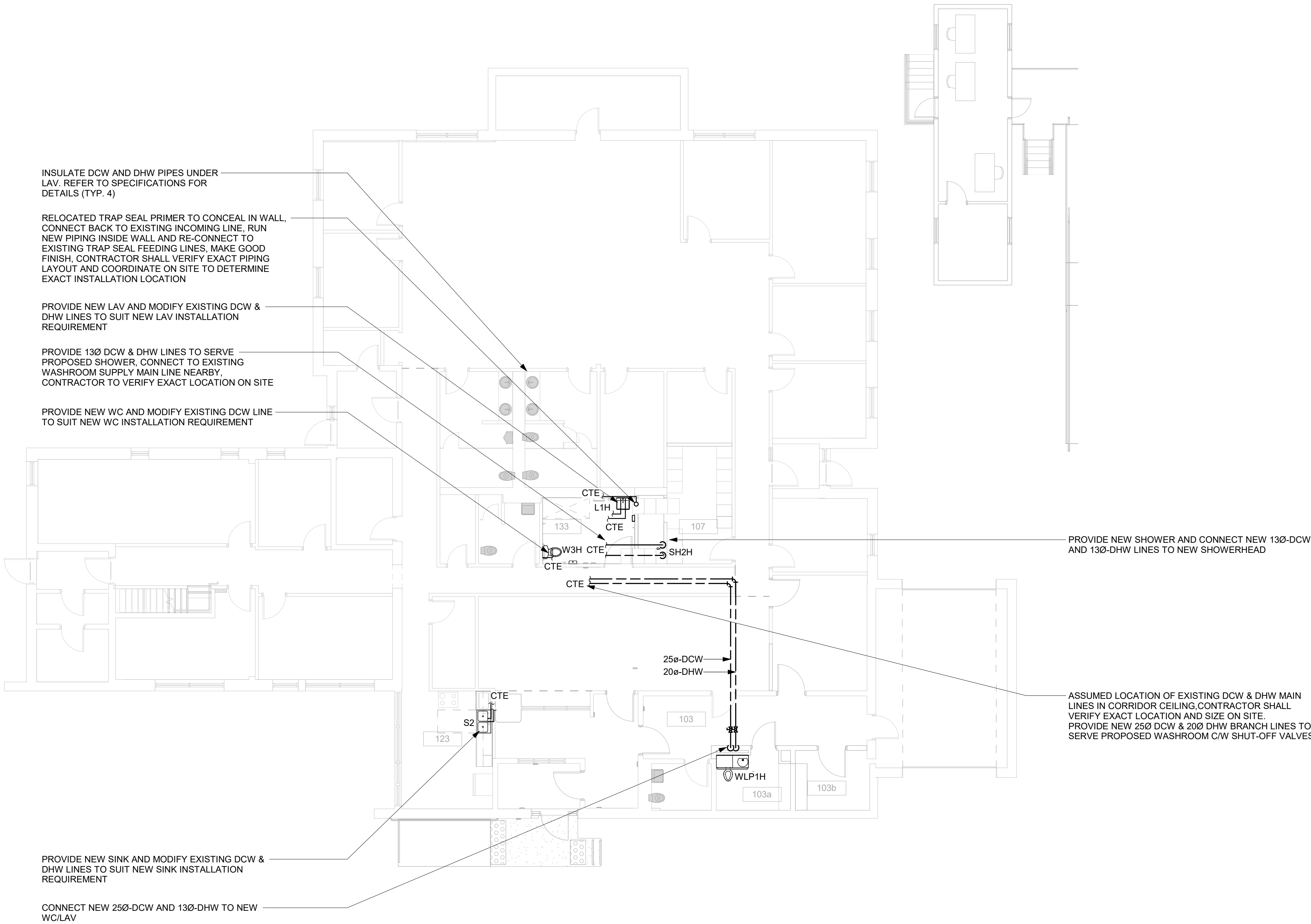
PROJECT ADDRESS  
**2440 LAWRENCE AVE E**

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

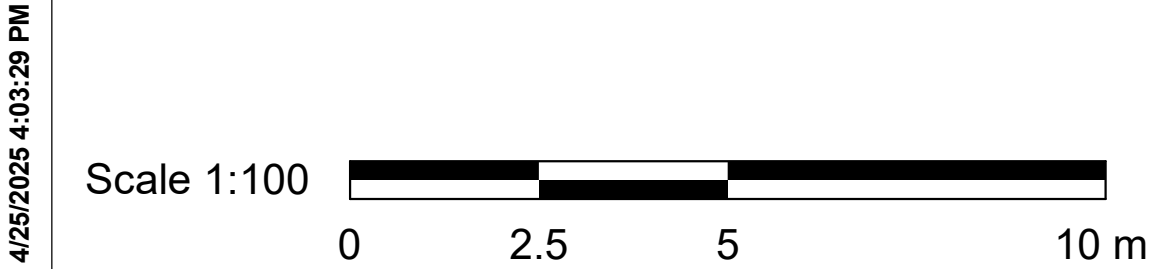
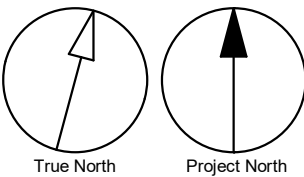
SHEET TITLE  
**DEMOLITION PLAN -  
GROUND FLOOR**

SHEET NUMBER <b>G03-141-M1101</b>	ISSUE <b>D</b>
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Autodesk Docs // 122260 - Cot TAU Upgrades R0020/122260-C-TAU-3-141-2440-LWRNC-M-R20.rvt | 10mm | 1 m



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



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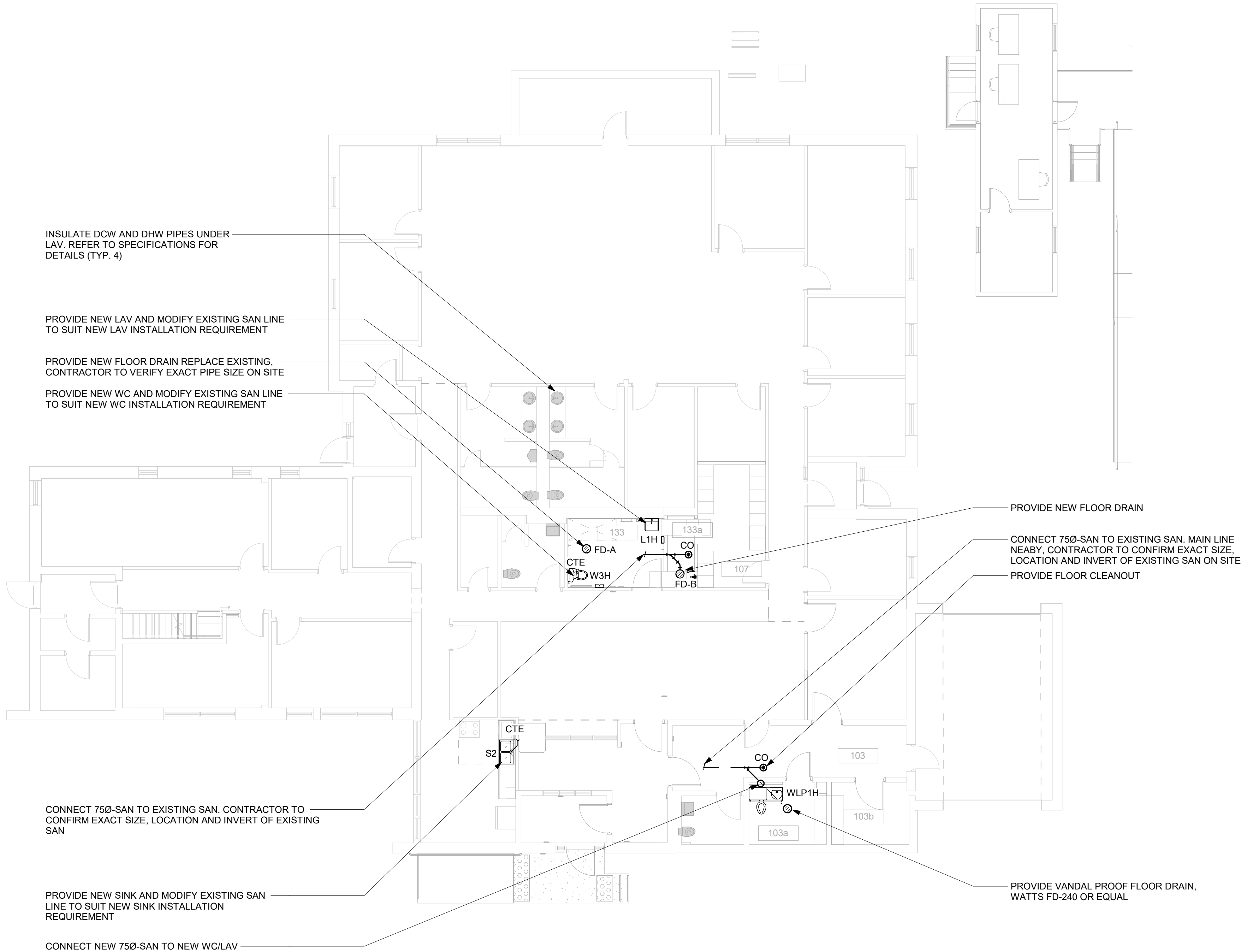
DRAWN BY: <b>S. SHARMA</b>	CHECKED BY: <b>S. LIU</b>
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PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>B. LIAO</b>
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SHEET TITLE  
**PLUMBING - GROUND  
FLOOR**

SHEET NUMBER  
**G03-141-M2101**

ISSUE  
**D**



INSULATE COW AND DHW PIPES UNDER LAV. REFER TO SPECIFICATIONS FOR DETAILS (TYP. 4)

PROVIDE NEW LAV AND MODIFY EXISTING SAN LINE TO SUIT NEW LAV INSTALLATION REQUIREMENT

PROVIDE NEW FLOOR DRAIN REPLACE EXISTING, CONTRACTOR TO VERIFY EXACT PIPE SIZE ON SITE

PROVIDE NEW WC AND MODIFY EXISTING SAN LINE TO SUIT NEW WC INSTALLATION REQUIREMENT

PROVIDE NEW FLOOR DRAIN

CONNECT 750-SAN TO EXISTING SAN. MAIN LINE NEARBY, CONTRACTOR TO CONFIRM EXACT SIZE, LOCATION AND INVERT OF EXISTING SAN ON SITE

PROVIDE FLOOR CLEANOUT

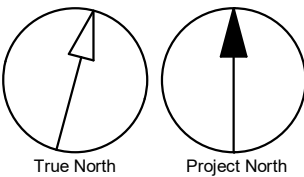
CONNECT 750-SAN TO EXISTING SAN. CONTRACTOR TO CONFIRM EXACT SIZE, LOCATION AND INVERT OF EXISTING SAN

PROVIDE NEW SINK AND MODIFY EXISTING SAN LINE TO SUIT NEW SINK INSTALLATION REQUIREMENT

CONNECT NEW 750-SAN TO NEW WC/LAV

PROVIDE VANDAL PROOF FLOOR DRAIN, WATTS FD-240 OR EQUAL

- GENERAL NOTES:
1. REFER TO SPECIFICATIONS FOR PLUMBING FIXTURE UNIT TYPES.
  2. PROVIDE SANITARY VENT FOR EACH NEW PLUMBING FIXTURE AND CONNECT TO EXISTING SANITARY VENT MAIN.
  3. PROVIDE P-TRAP FOR EACH PLUMBING FIXTURE AS PER OBC.
  4. ALL NEW FLOOR DRAINS SHALL BE C/W P-TRAP AND PRIMER.
  5. PROVIDE FIRE STOP FOR ALL PIPE PENETRATIONS THROUGH FIRE SEPERATIONS.
  6. ALL UNDERGROUND SANITARY PIPING SHALL BE MINIMUM 75mmØ UNLESS OTHERWISE NOTED.



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**2440 LAWRENCE AVE E**

PROJECT NO:  
**Arcadis 30279056**

DRAWN BY:  
**S. SHARMA**

CHECKED BY:  
**S. LIU**

PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
**B. LIAO**

SHEET TITLE  
**DRAINAGE - GROUND  
FLOOR**

SHEET NUMBER  
**G03-141-M3101**

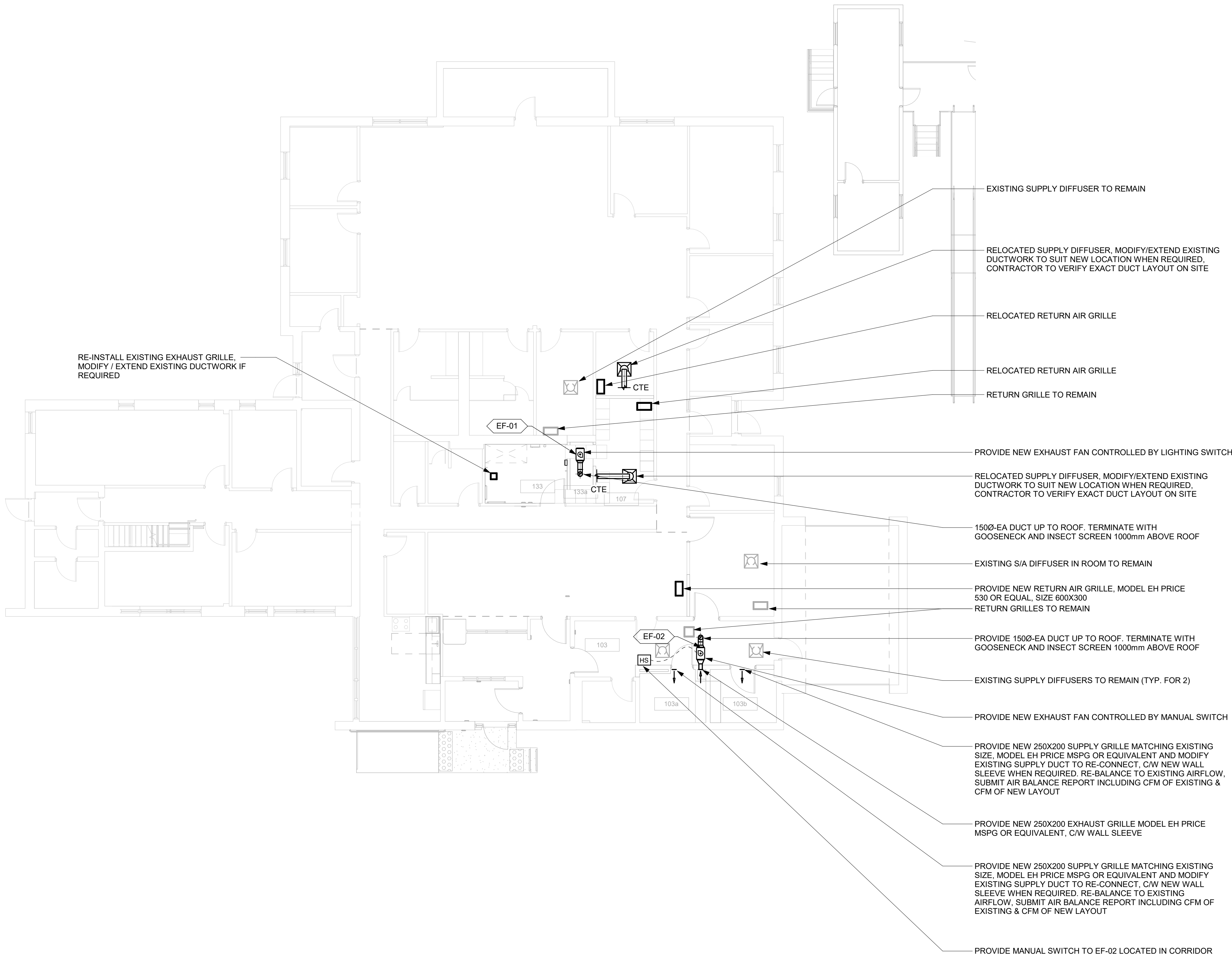
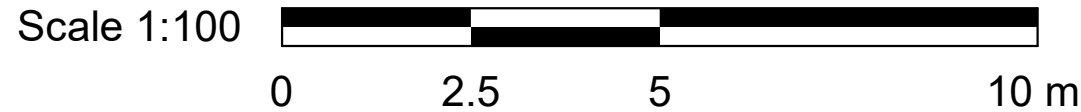
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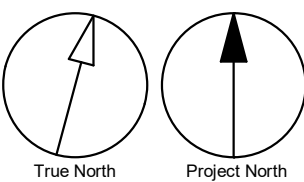
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SCALE CHECK  
1 in

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- 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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PROJECT MGR: <b>F. BOLOURIAN</b>	APPROVED BY: <b>B. LIAO</b>

SHEET TITLE  
**HVAC - GROUND FLOOR**

SHEET NUMBER <b>G03-141-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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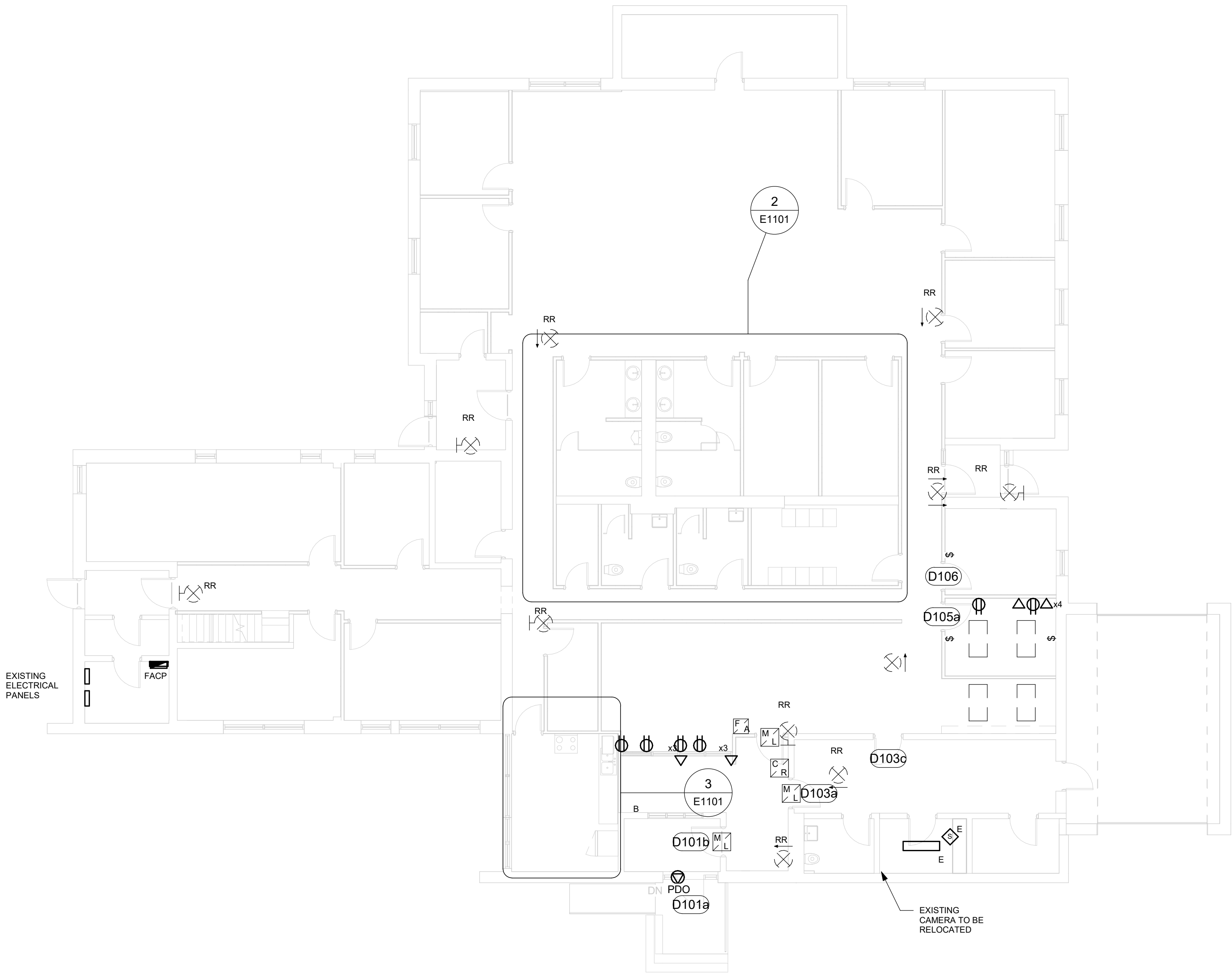
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PROJECT NO:  
Arcadis 30279056

DRAWN BY: <b>M.BOJIC</b>	CHECKED BY: <b>P. WILLIAMS</b>
PROJECT MGR:	APPROVED BY: <b>P. WILLIAMS</b>

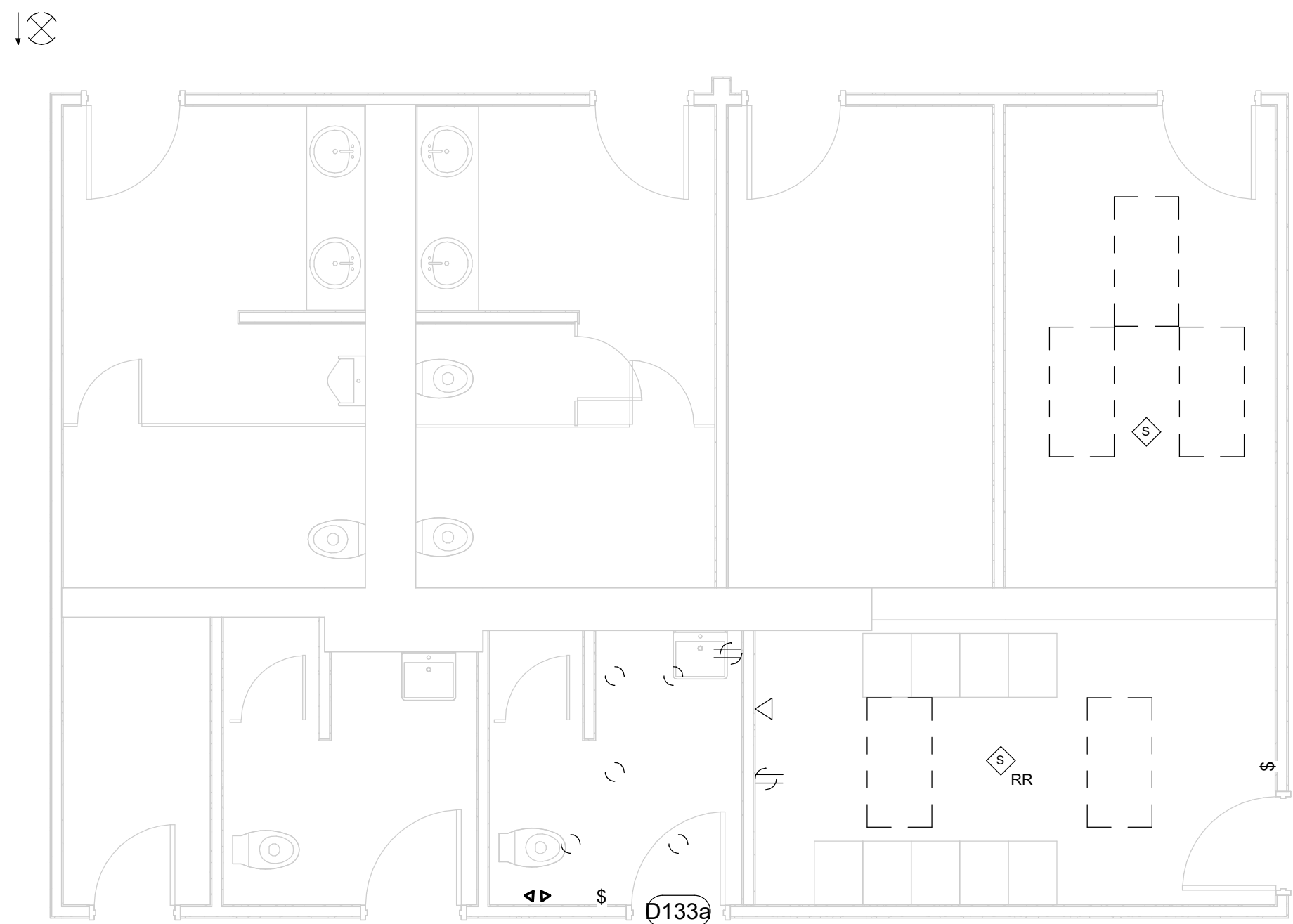
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SHEET NUMBER	ISSUE
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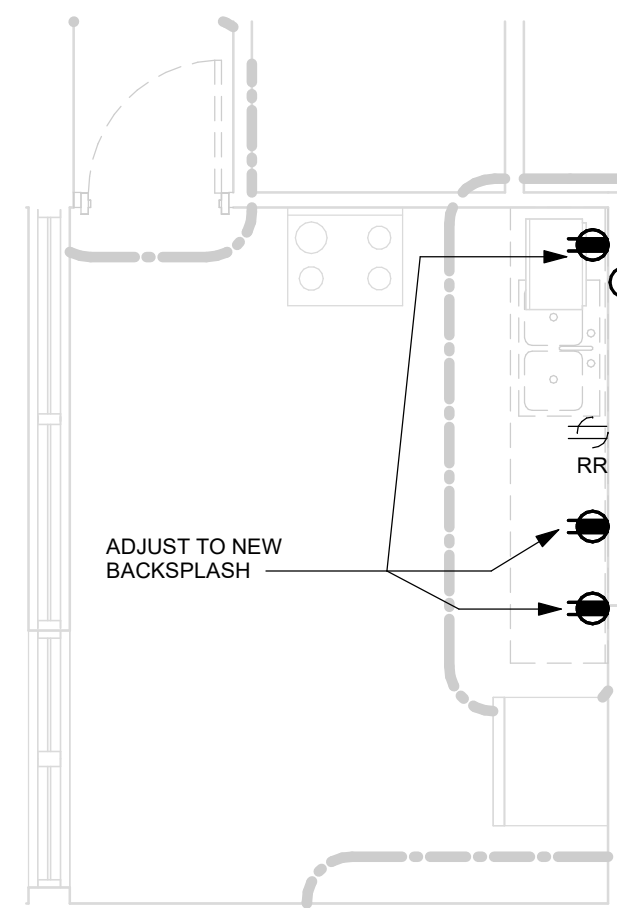


1 POWER AND SYSTEMS DEMOLITION PLAN 1ST FLOOR  
E1101 Scale: 1 : 100

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



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



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

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ENFORCEMENT OFFICE  
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PROJECT NO:  
**Arcadis 30279056**

DRAWN BY: <b>A. FEDIW</b>	CHECKED BY: <b>M. BOJIC</b>
PROJECT MGR: <b>P. WILLIAMS</b>	APPROVED BY: <b>P. WILLIAMS</b>

SHEET TITLE

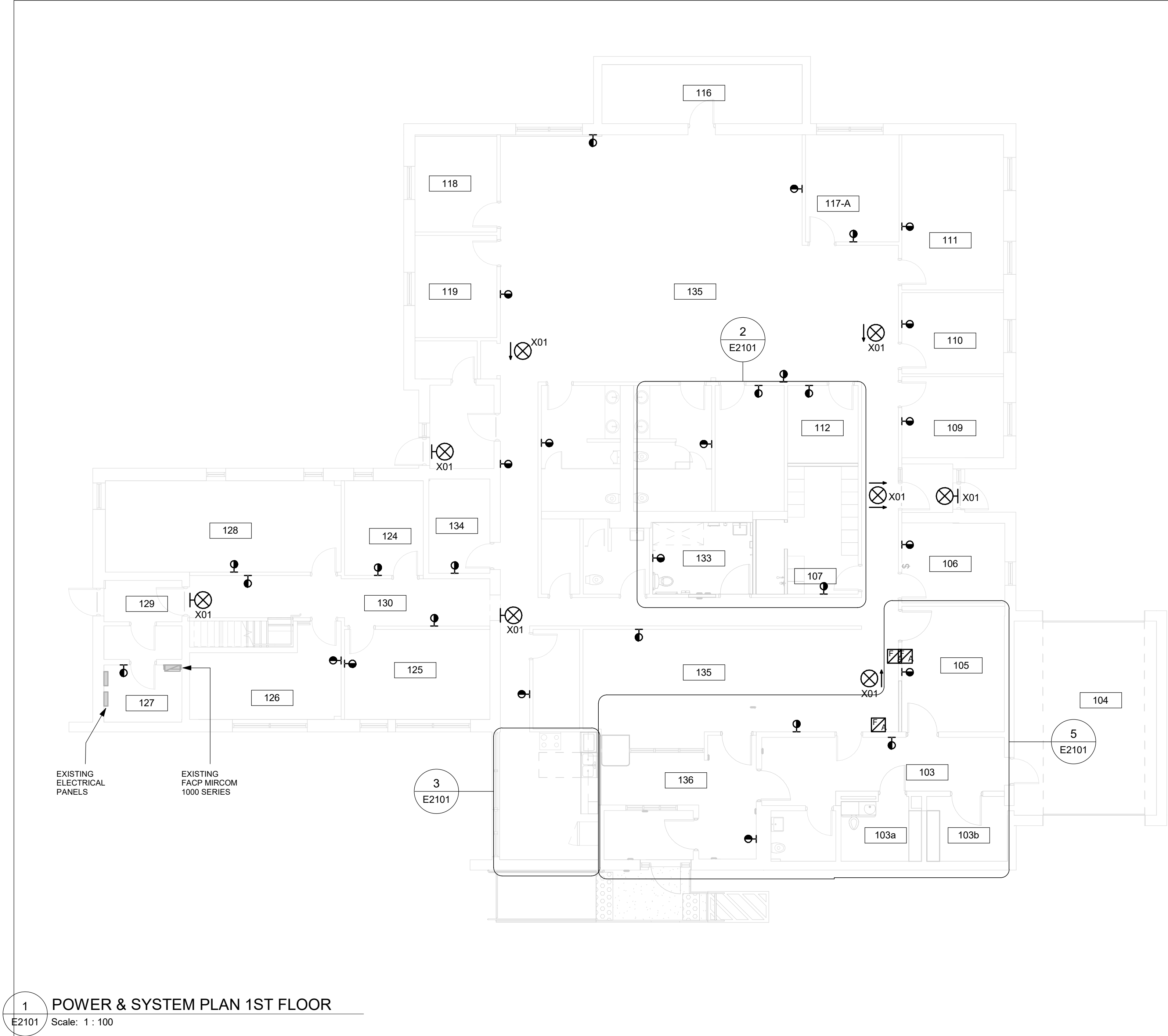
**ELECTRICAL  
DEMOLITION PLAN 1ST  
FLOOR**

SHEET NUMBER

**G03-141-E1101**

ISSUE

**E**

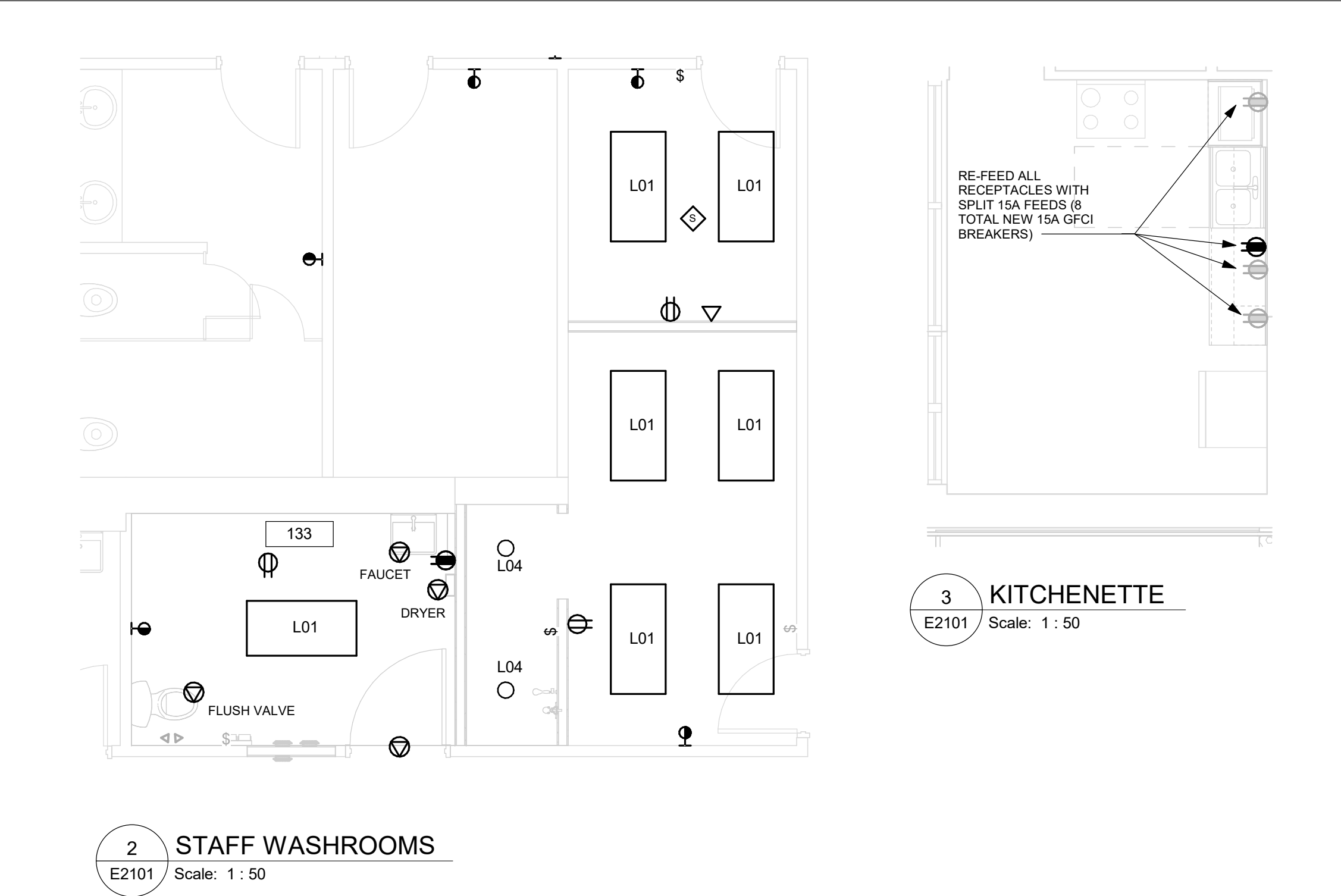
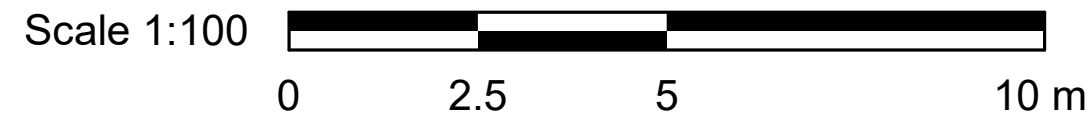


1 POWER & SYSTEM PLAN 1ST FLOOR  
E2101 Scale: 1 : 100

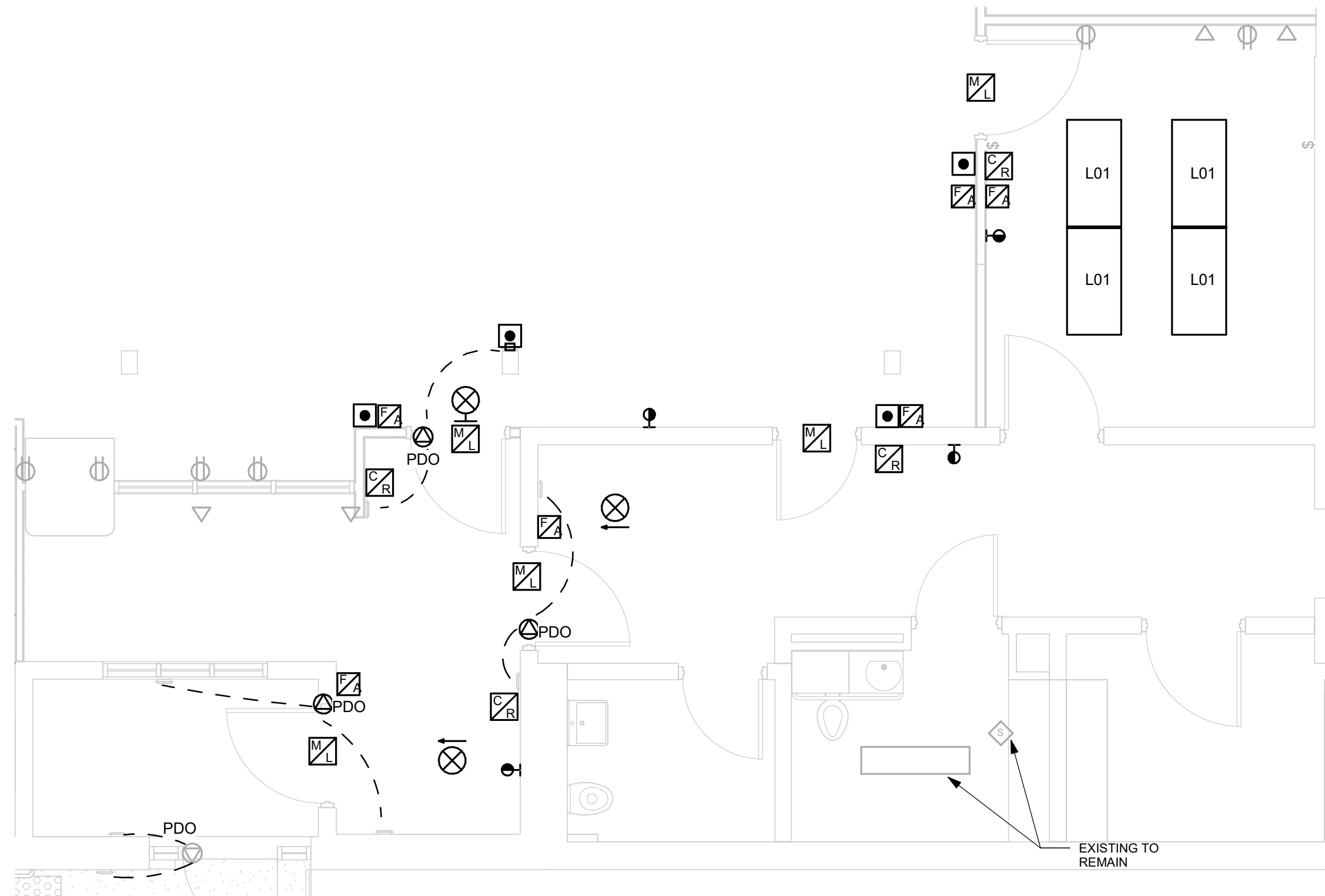
- NOTES:
- CIRCUIT NUMBERS SHOWN FOR GROUPING PURPOSES ONLY. ALLOCATE CIRCUITS TO EXISTING PANELS AS SPACE ALLOWS. ADD NEW CIRCUIT BREAKERS AS REQUIRED ASSUME 15A, 120V CIRCUIT BREAKER UNLESS OTHERWISE NOTED. UPDATE PANEL SCHEDULE WITH NEW LOADS. SUBMIT NEW PANEL SCHEDULE AS SHOP DRAWING.
  - CONNECT NEW AND/OR RELOCATED LUMINAIRES TO EXISTING LOCAL LIGHTING CIRCUIT, UNLESS OTHERWISE NOTED.
  - CONNECT NEW POWER RECEPTACLES TO EXISTING LOCAL RECEPTACLE CIRCUIT, UNLESS OTHERWISE NOTED. EXTEND WIRING AND CONDUITS AS NEEDED. MOUNT POWER OUTLETS ACCORDING TO MOUNTING HEIGHTS SCHEDULE ON SHEET GAL-G4003.
  - CONNECT DATA OUTLETS TO EXISTING SOURCE, UNLESS OTHERWISE NOTED. PULL NEW WIRING FROM SOURCE. MOUNT DATA OUTLETS ACCORDING TO MOUNTING HEIGHTS SCHEDULE ON SHEET GAL-G4003.
  - REFER TO ARCHITECTURAL PACKAGE FOR EXACT LOCATIONS OF BARRIER-FREE PUSH BUTTONS. CONNECT TO PDO ON RESPECTIVE DOOR.
  - MOUNT NEW AND/OR RELOCATED LIGHT SWITCHES ACCORDING TO MOUNTING HEIGHTS SCHEDULE ON SHEET GAL-G4003. CONNECT TO EXISTING LIGHTING CIRCUIT VIA EXISTING WIRING AND CONDUITS. EXTEND WIRING AND CONDUITS AS NEEDED.
  - PROVIDE NEW EXIT SIGNS (LUMINAIRE TYPE X01 AS SPECIFIED IN LUMINAIRE SCHEDULE). USE EXISTING WIRING FROM REMOVED EXIT SIGNS, AND CONNECT TO EXISTING CIRCUITS.
  - VERIFY FIRE ALARM SYSTEM IN ACCORDANCE WITH ULC-S537.
  - IN AREAS WHERE NEW RECEPTACLES ARE PROVIDED, UPDATE THE FACEPLATE OF EXISTING RECEPTACLES TO MATCH.
  - SEE ARCHITECTURAL PLAN FOR ENLARGED PLAN, ELEVATIONS, AND NEW MILLWORK DETAILS FOR UPDATED KITCHENS, KITCHENETTES, FRONT VESTIBULE, AND RECEPTION AREAS. REFER TO DETAILS D1301 AND D1302 IN ARCHITECTURAL TYPICAL DETAILS BOOKLET FOR GENERAL KITCHEN MILLWORK DETAILS.
  - MOUNT DOORBELL AT 1050mm AFF FROM CENTER OF DEVICE. CONNECT TO EXISTING CIRCUIT. EXTEND WIRING AND CONDUITS AS NEEDED, THROUGH PEDESTAL. REFER TO ARCHITECTURAL SHEET A3011 DETAIL 2 FOR PLACEMENT OF PEDESTAL, AND REFER TO STRUCTURAL PACKAGE FOR TYPICAL DETAIL OF PENETRATION.

12 EXIT SIGNS TO BE REPLACED

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2 STAFF WASHROOMS  
E2101 Scale: 1 : 50



5 POWER & SYSTEM PLAN 1ST FLOOR - RECEPTION AND HOLDING AREA  
E2101 Scale: 1 : 50

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PROJECT NO:

**Arcadis 30279056**

DRAWN BY: <b>M.BOJIC</b>	CHECKED BY: <b>P. WILLIAMS</b>
PROJECT MGR:	APPROVED BY: <b>P. WILLIAMS</b>

SHEET TITLE

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

SHEET NUMBER

**G03-141-E2101**

ISSUE

**E**

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