

1 SITE PLAN
G01 SCALE: 1:2000

BUILDING CODE ANALYSIS

1. Fire Protection, Occupant Safety and Accessibility (MBC Part 3)		
MBC -- Section 3.1- General		
a.	Major occupancy classification (3.1.2):	GROUP D
	<i>(Note: for multi-use/storey buildings, more than one major occupancy classification may be necessary)</i>	
b.	Other intended occupancy group(s):	N/A
c.	Tenant Floor Area:	383.8 Sq. M - Third Floor
d.	Building Area(s):	+/- 1,096 SQ. M
e.	Building Height: (Number of Storeys)	16 Storey
f.	Facing Number of Streets:	3 Street
g.	Building is sprinklered	Yes
h.	Firewall(s) (3.1.10) (Rating and grid line location)	N/A
i.	Design occupant load(s) (3.1.17):	(Calculation for area does not include washrooms) Third Floor Tenant Space: 37 Occupants
	<i>(specify occupant loads for various spaces when applicable)</i>	

MBC Section 3.2 -- Building Fire Safety		
3.2.2 -- Building Size and Construction Relative to Occupancy		
a.	Construction article(s) (select from articles 3.2.2.20 to 3.2.2.83)	
		3.2.2.54. Group D, Any height, Any Area, Sprinklered.
	<i>(Note: for multi-use, multi-storey buildings, more than one classification or construction article may be necessary)</i>	
b.	Construction:	X Non-combustible OR
c.	Floor assembly above basement (see 3.2.1.4)	N/A (nr) fire separation (FS)
d.	Crawl space (see 3.2.2.9 and 3.1.11.6)	N/A
e.	Other floor assemblies	2 (nr) FS
f.	Mezzanine assemblies	N/A (nr) fire-resistance rating (FRR)
g.	Roof assembly (note: 3.6.4.2)	N/A (nr) FRR
h.	Roof assembly (see 3.1.14.2)	N/A
i.	Load bearing beams and columns	N/A
j.	Fire stop (attic - 3.1.11.5, crawl space - 3.1.11.6)	N/A

3.2.8 - Mezzanines and Opening through Floor Assemblies

Not Applicable		
MBC Section 3.3 - Safety within Floor Areas		
a. Suite separation (3.3.1.1)	Third Floor: 1 HR Fire separation provided	
b. Major occupancy separation (Table 3.1.3.1)	Third Floor: Fire separation	
c. Public corridor (3.3.1.4)	Third Floor: 1 HR Fire separation provided	
d. Dead-end corridor (3.3.1.9)	Third Floor: 2 Required; 2 provided	
e. Suite egress (3.3.1.5)	Third Floor: YES	
f. Transparent / glass doors and partitions	N/A	
g. Guards	N/A	
h. Janitor's room (3.3.1.21)	N/A	
i. Common laundry room(s) (3.3.1.22)	N/A	
j. Welding and Cutting room(s) (3.3.1.25)	N/A	
k. Repair garage (3.3.5.5) 2hr FS	X N/A	
l. Storage garage (3.3.5.6) 1.5hr FS	X N/A	
m. Storage of dangerous goods (3.36)	X N/A	
n. Flammable and combustible liquids	X N/A	
o. Other hazardous processes	X N/A	
p. Additional occupancy requirements (see Subsections 3.3.2 to 3.3.6) - (specify)	N/A	

MBC Section 3.4 - Exits		
a. Minimum two exits required, Number provided:	2	
b. Mezzanine Exits/ egress stairs:	N/A	
c. Distance Between Exits (3.4.2.3)	34m is greater than 1/2 Diagonal 34m	
d. Travel Distance (3.4.2.5)	45m	

MBC Section 3.8 - Barrier- Free Design		
a. Barrier-free protection (3.3.1.7) - (specify type)	N/A	
b. Barrier-free path of travel provided throughout the building (3.8.2.1)	X Yes	
c. Barrier-free access to upper floor(s) by elevator (3.8.2.1)	X Yes	
d. Barrier-free washrooms are provided (3.8.2.3)	X Yes	
e. Public entrance doors equipped with power door operators (3.8.3.3(5))	X Yes	

SYMBOLS

	NORTH ARROW		EXTERIOR WALL TYPE
	BUILDING SECTION		INTERIOR WALL TYPES
	SECTION DETAIL		SEPARATION WITH F.R.R.
	WALL SECTION		GLAZING TYPE
	EXTERIOR ELEVATION		CEILING HEIGHT A.F.F.
	INTERIOR ELEVATION		DOOR NUMBER
	DRAWING TITLE & REFERENCE		FIRE RATING
	STRUCTURAL GRID		ROOM NAME & NUMBER
	LOCATION		KEY NOTE
	BENCHMARK ELEVATION		REVISION NUMBER
	ELEVATION POINTS IN PLAN		ELEVATION POINTS IN PLAN

GENERAL DRAWING NOTES

THE DRAWINGS SHALL NOT BE SCALED. FOLLOW GIVEN DIMENSIONS ONLY.

THE CONTRACTOR SHALL SATISFY HIMSELF THAT ALL DIMENSIONS, ELEVATIONS, DATUMS, AND INFORMATION SHOWN ARE CORRECT. VERIFY ALL DIMENSIONS ON SITE. DIMENSIONS ARE AS FOLLOW:

- EXTERIOR FACE OF ALL INTERIOR WALLS

PRIOR TO COMMENCEMENT OF WORK, REPORT ANY DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE.

VARIATIONS AND MODIFICATIONS TO WORK SHOWN WILL NOT BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENTAL REPRESENTATIVE.

ALL DIMENSIONS ARE METRIC UNLESS OTHERWISE NOTED.

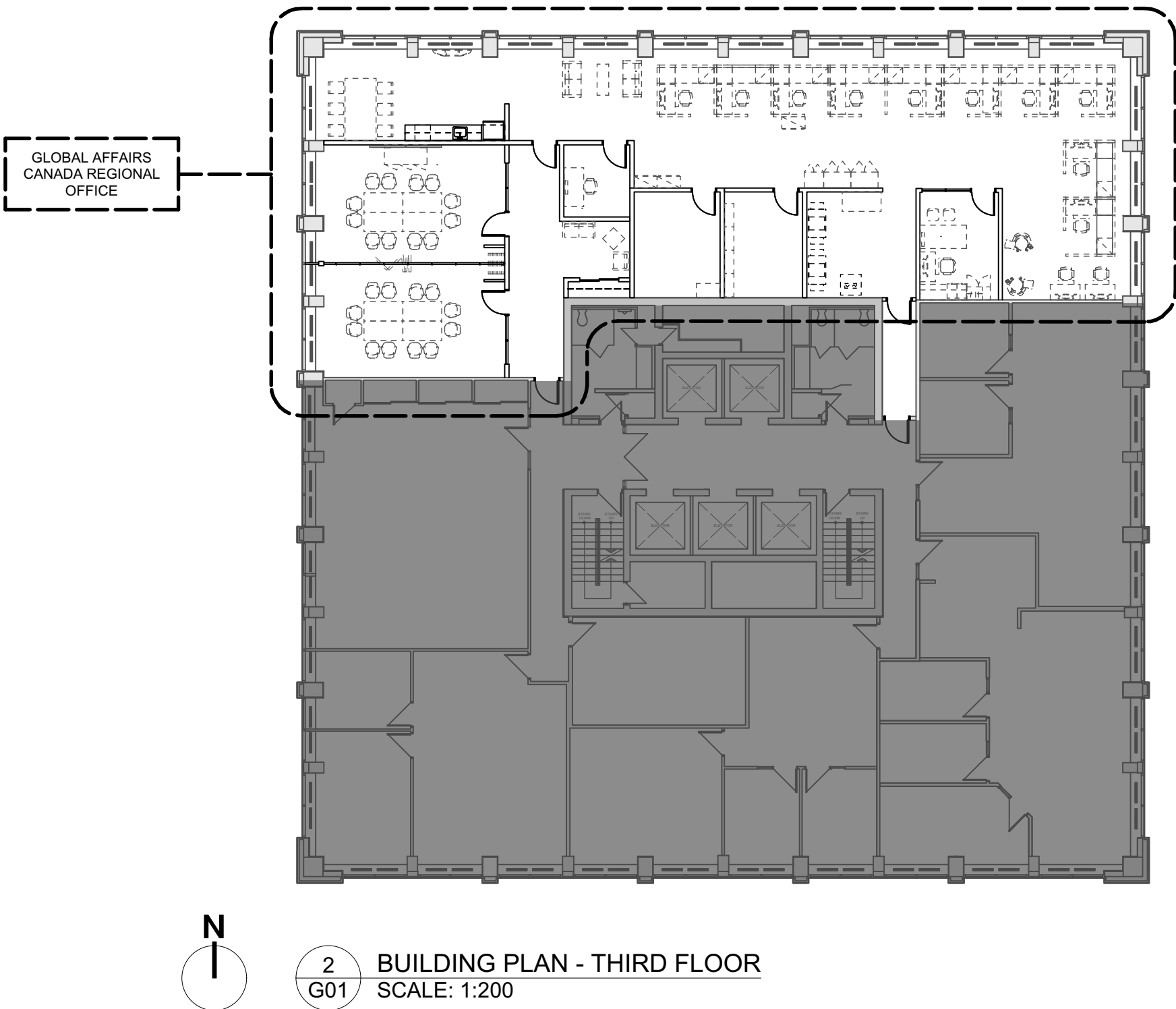
NO REPRODUCTION OF THE DRAWINGS MAY BE MADE WITHOUT THE WRITTEN CONSENT OF THE DEPARTMENTAL REPRESENTATIVE AND ALL REPRODUCTION MUST BEAR THE NAME OF THE ARCHITECT.

FOR ROOM FINISH SCHEDULE SEE 'ID01'.

FOR DOOR AND FRAME SCHEDULE REFER TO SPECIFICATIONS.

GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY MECHANICAL AND ELECTRICAL APPARATUS APPEARANCE WHICH MAY VARY FROM THAT INDICATED IN THE CONTRACT DOCUMENTS.

GENERAL CONTRACTOR TO CO-ORDINATE AND PROVIDE ALL SOLID BLOCKING WITHIN THE WALL AND CEILING AREAS TO SUPPORT SURFACE MOUNTED FIXTURES AND FITTINGS INCLUDING, BUT NOT LIMITED TO APPLIANCES, MILLWORK, A/V EQUIPMENT AND SIGNAGE IN CONTRACT AS WELL AS FOR N.I.C. ITEMS IN COORDINATION WITH THE DEPARTMENTAL REPRESENTATIVE.



2 BUILDING PLAN - THIRD FLOOR
G01 SCALE: 1:200

REGIONAL OFFICE FIT-UP FOR GLOBAL AFFAIRS CANADA

GRAIN COMMISSION BUILDING 3RD FLOOR-303 MAIN STREET, WINNIPEG, MANITOBA

ISSUED FOR CONSTRUCTION | FEBRUARY 17TH, 2021

PRIME CONSULTANT:

| x | architecture inc.

CONSULTANT TEAM

ARCHITECT:	1x1 ARCHITECTURE INC 120 FORT STREET, SUITE 103 WINNIPEG, MANITOBA, R3C 1C7 TEL: (204) 318-2010
STRUCTURAL:	CROSIER KILGOUR & PARTNERS LTD. 275 CARLTON ST, SUITE 300 WINNIPEG, MANITOBA, R3C 5R6 TEL: (204) 943-7501

MECHANICAL ENGINEER:	EPP SIEPMAN ENGINEERING INC. 400-136 MARKET AVENUE WINNIPEG, MANITOBA, R3B 0P4 TEL: (204) 453-1080 FAX: (204) 453-1335
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ELECTRICAL ENGINEER:	EPP SIEPMAN ENGINEERING INC. 400-136 MARKET AVENUE WINNIPEG, MANITOBA, R3B 0P4 TEL: (204) 453-1080 FAX: (204) 453-1335
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ENVIRONMENTAL CONSULTANT:	TESSERACT ENVIRONMENTAL CONSULTING INC. 109-179 McDERMOT AVENUE WINNIPEG, MANITOBA, R3B 0S1 TEL: (204) 801-9358
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DRAWING LIST

ARCHITECTURAL	
G01	COVER PAGE & SITE PLAN
D01	DEMOLITION PLANS
A01	RENOVATION PLANS
A02	ARCHITECTURAL DETAILS
ID01	FINISH PLAN, FURNITURE PLAN (NIC) & SCHEDULES
ID02	ELEVATIONS & MILLWORK DETAILS

STRUCTURAL	
S01	PARTIAL 4TH FLOOR FRAMING PLAN DETAILS, SECTIONS & GENERAL NOTES

MECHANICAL	
MP2.1	THIRD FLOOR - PLUMBING RENOVATION PLAN
MF2.1	THIRD FLOOR - FIRE PROTECTION RENOVATION PLAN
MH2.1	THIRD FLOOR - HVAC DEMOLITION PLAN
MH2.2	THIRD FLOOR - HVAC RENOVATION PLAN
M7.1	DETAILS
M7.2	DETAILS & SCHEDULES

ELECTRICAL	
E001	ELECTRICAL SYMBOLS & ABBREVIATIONS
EDL2.3	THIRD FLOOR - LIGHTING DEMOLITION
EDP2.3	THIRD FLOOR - POWER & SYSTEMS DEMOLITION
EL2.3	THIRD FLOOR LIGHTING
EP2.3	THIRD FLOOR POWER & SYSTEMS
ES2.3	THIRD FLOOR - SECURITY & AUDIO VISUAL SYSTEMS
E5.1	ELECTRICAL SCHEDULES AND DETAILS
E5.2	ELECTRICAL DETAILS
E5.3	PANEL SCHEDULES & SINGLE LINE DIAGRAM
E5.4	FIRE ALARM RISER DIAGRAM

ABBREVIATIONS

A/F	ABOVE FLOOR	LOC	LOCATION
ALUM	ALUMINUM	MAS	MASONRY
ANOD	ANODIZED	MAX	MAXIMUM
BLDG	BUILDING	MECH	MECHANICAL
BM	BEAM	MIN	MINIMUM
BOT, BTM	BOTTOM	MISC	MISCELLANEOUS
B.S.	BOTH SIDES	M.O.	MASONRY OPENING
BTWN	BETWEEN	MR	MIRROR
C.I.P	CAST IN PLACE	MTL	METAL
CL	CENTER LINE	N.I.C	NOT IN CONTRACT
C.P	CENTER POINT	O.C	ON CENTER
C.L.F	CHAIN LINK FENCE	O.D	OUTSIDE DIAMETER
COL	COLUMN	O/F	OUTSIDE FACE
CW	COMPLETE WITH	O.H	OVERHEAD
CONC	CONCRETE	OPNG	OPENING
C.B	CONCRETE BLOCK	O.W.S.J	OPEN WEB STEEL JOIST
CJ	CONTROL JOINT	PL	PLATE
D	DEEP	P.LAM	PLASTIC LAMINATE
DTL	DETAIL	PLYW	PLYWOOD
DN	DOWN	PNL	PANEL
DWG, DRWG	DRAWING	PREFIN	PREFINISHED
EA	EACH	PS	PRESSED STEEL
ELEV	ELEVATION	PTD, PT	PAINTED, PAINT
ELEC	ELECTRICAL	RICOWC	REINFORCED CONCRETE
EPOXY	EPOXY	R.D.	ROOF DRAIN
EQ	EQUAL	REINF	REINFORCED
EQUIP	EQUIPMENT	RM	ROOM
EXP	EXPOSED	R.O.	ROUGH OPENING
EXT	EXTERIOR	SHWR	SHOWER
FD	FLOOR DRAIN	SIM	SIMILAR
F.H.C	FIRE HOSE CABINET	SLP	SLOPE
FIN	FINISH	SPECIFIED	SPECIFIED
FLR, FL	FLOOR	S.S	STAINLESS STEEL
GA	GAUGE	ST, STL	STEEL
GALV	GALVANIZED	STO, STOR	STORAGE
GLUM	GALVALUME	STRUC	STRUCTURAL
G.C	GENERAL CONTRACTOR	SURF MTD	SURFACE MOUNTED
G.L	GRID LINE	SUSP	SUSPENDED
GWB	GYPSUM WALL BOARD	TH	THICK / THICKNESS
H.W	HAZARDOUS WASTE	T.O.	TOP OF
H	HIGH	T.O.C	TOP OF CONCRETE
H.D	HEAVY DUTY	TYP	TYPICAL
HT	HEIGHT	U/F	UNDER FLOOR
H.M	HOLLOW METAL	U/G	UNDER GROUND
HOR, HORIZ	HORIZONTAL	U/S	UNDER SIDE
HR	HOUR	V.B	VAPOUR BARRIER
HSS	HOLLOW STEEL SECTION	VEH	VEHICLE
HYDR	HYDRAULIC	VERT	VERTICAL
I.D	INSIDE DIAMETER	VEST	VESTIBULE
I/F	INSIDE FACE	W	WIDE
INT	INTERIOR	W	WITH
INSUL	INSULATION	W.MEM	WATERPROOFED MEMBRANE
LW	LIGHT WEIGHT	W.T.	WEAVING TILE

GENERAL NOTES:

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120 Fort Street, Suite 103 Winnipeg, Manitoba R3C 1C7 204 318 2010

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2		
1		
0	ISSUED FOR CONSTRUCTION	02/17/21
Revision	Description	Date
Client		client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA		
Project title		
GLOBAL AFFAIRS CANADA (GAC) 303 MAIN STREET WINNIPEG, MB		
REGIONAL OFFICE FIT-UP		
Designed by		Conçu par
AJ		
Drawn by		Dessiné par
AJ		
Approved by		Approuvé par
TC		
PWGSC Project Manager		Administrateur de Projets TPWGC
EN		
Drawing title		Titre du dessin
COVER PAGE & SITE PLAN		
Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.104185	G01	0
	OF	

DEMOLITION GENERAL NOTES:

1. REMOVE AND SALVAGE ALL EXISTING INTERIOR SIGNAGE INCLUDING BUT NOT LIMITED TO ROOM NUMBERS & FIRE EXTINGUISHER SIGNAGE - VERIFY WITH DEPARTMENTAL REPRESENTATIVE.

2. REFER TO MECHANICAL AND ELECTRICAL FOR DEMOLITION INFORMATION RELATED TO MECHANICAL AND ELECTRICAL ELEMENTS.

3. ENSURE THAT ALL EXISTING COMPONENTS TO REMAIN, ARE PROTECTED FROM DAMAGE DURING DEMOLITION.

4. GC TO PATCH AND MAKE GOOD ALL EXISTING SURFACES AFFECTED BY AND FROM DEMOLITION OF ARCHITECTURAL / ELECTRICAL / MECHANICAL ITEMS.

5. GC TO REMOVE ALL REDUNDANT SCREWS, NAILS, HARDWARE, ETC., IN EXISTING WALLS. PATCH AND MAKE GOOD.

LEGEND

EXISTING WALL TO REMAIN

EXISTING WALL TO BE DEMOLISHED

EXISTING DOOR TO REMAIN

EXISTING DOOR TO BE DEMOLISHED

EXISTING DOOR AND SIDELIGHT TO BE DEMOLISHED

EXISTING 1219 x 610 ACT

EXISTING 1524 x 457 ACT TO BE DEMOLISHED

EXISTING RECESSED LIGHT TO BE DEMOLISHED

EXISTING RECESSED LIGHT. REFER TO ELECT

EXISTING DIFFUSER. REFER TO MECH

EXISTING RETURN GRILLE. REFER TO MECH

EXISTING EXIT SIGN. REFER TO ELECT

EXISTING EXIT TO BE DEMOLISHED - REFER TO ELECT

EXISTING OCCUPANCY SENSOR - REFER TO ELECT

EXISTING OCCUPANCY SENSOR TO BE DEMOLISHED- REFER TO ELECT

EXISTING SPEAKER. REFER TO ELECT.

EXISTING SPEAKER. TO BE DEMOLISHED- REFER TO ELECT

EXISTING SPRINKLER. REFER TO MECH

EXISTING PERIMETER METAL. BULKHEAD

HATCHED AREA DENOTES EXTENT OF DEMOLITION REQUIRED

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Client		client		
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA				
Project title	Project			
GLOBAL AFFAIRS CANADA (GAC) 303 MAIN STREET WINNIPEG, MB				
REGIONAL OFFICE FIT-UP				
Designed by AJ	Conçu par			
Drawn by AJ	Dessiné par			
Approved by TC	Approuvé par			
PWGSC Project Manager EN	Administrateur de Projets TPSGC			
Drawing title	Titre du dessin			
DEMOLITION PLANS				
Project no./No. du projet	Drawing no./No. du dessin	Revision no.		
R.104185	D01 OF	0		

1 DEMOLITION FLOOR PLAN
SCALE: 1:100

2 DEMOLITION REFLECTED CEILING PLAN
SCALE: 1:100

PWGSC - A1 - 841X594

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A000

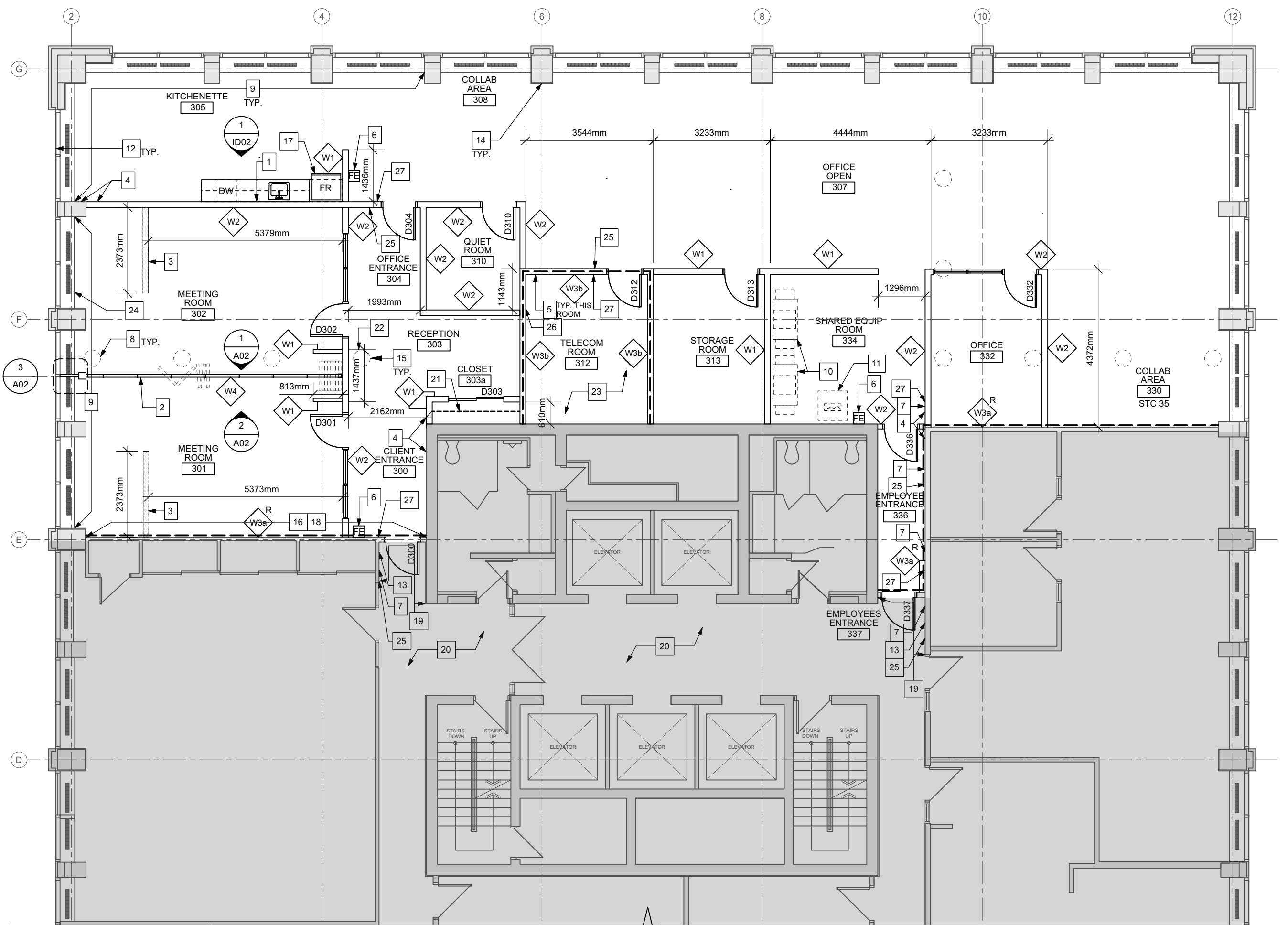
LEGEND

- EXISTING DOOR
NEW DOOR
NEW DOOR WITH SIDE LIGHT
EXISTING WALL ASSEMBLY
NEW WALL ASSEMBLY
SECURE DEMISING WALL
1 HR FIRE RATED FIRE SEPARATION
OUTLINE OF PLENUM BARRIER
1219 x 610 ACT
RECESSED LIGHT. REFER TO ELECT
RECESSED LIGHT. REFER TO ELECT
RECESSED LIGHT. REFER TO ELECT
RECESSED LIGHT. REFER TO ELECT
SUSPENDED LIGHT. REFER TO ELECT
DIFFUSER. REFER TO MECH
RETURN GRILLE. REFER TO MECH
RETURN GRILLE. REFER TO MECH
EXIT SIGN. REFER TO ELECT
STROBE. REFER TO ELECT
SPEAKER. REFER TO ELECT.
SOUND MASKING SPEAKER. REFER TO ELECT.
OCCUPANCY SENSOR. REFER TO ELECT.
MICROPHONE. REFER TO ELECT.
EXISTING PERIMETER METAL BULKHEAD
DENOTES EXISTING
SPRINKLER. REFER TO MECH
MOTION DETECTOR. REFER TO ELECT.
DURESS ALARM. REFER TO ELECT.

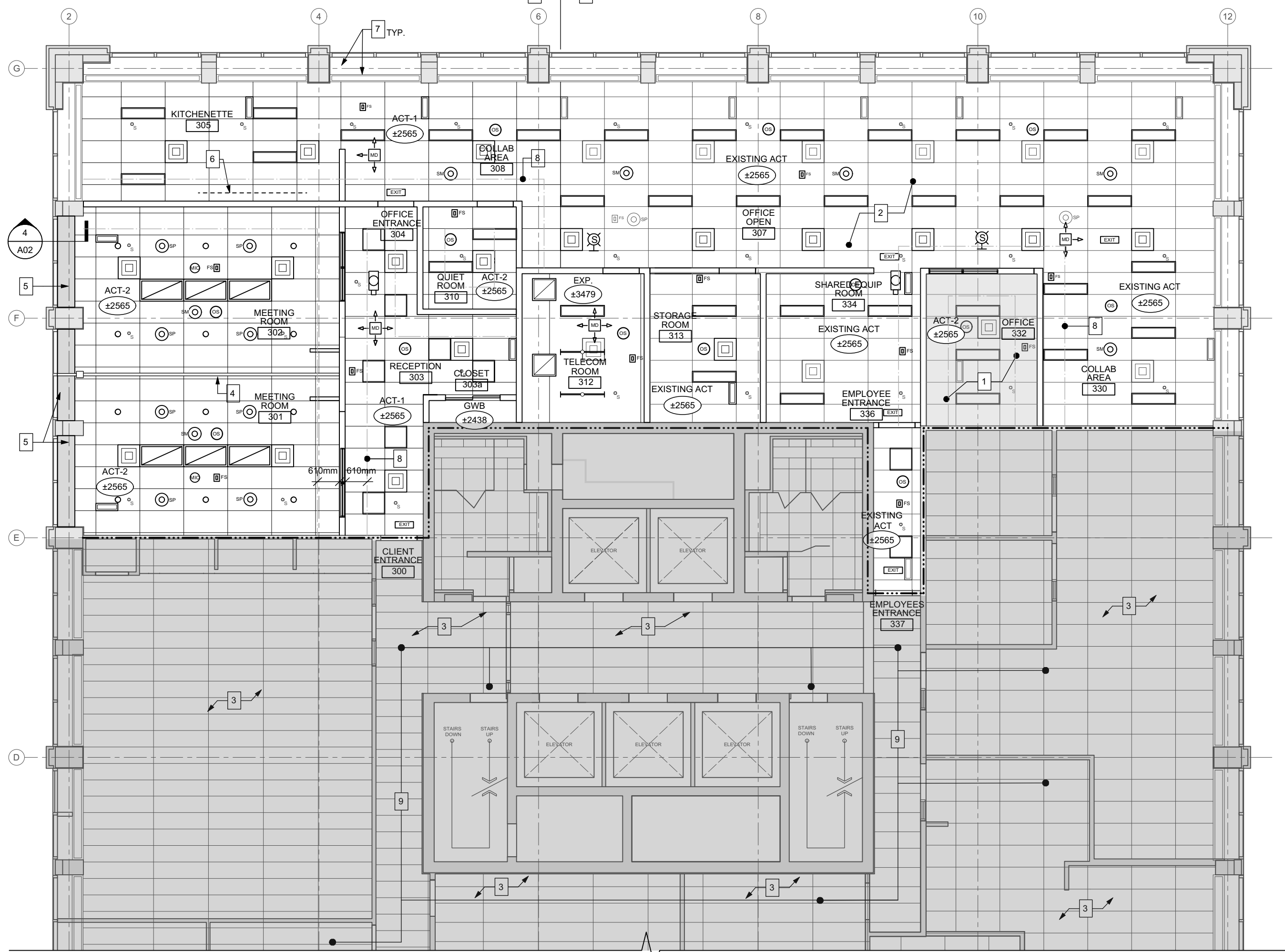
Designed by AJ	Conçu par
Drawn by AJ	Dessiné par
Approved by TC	Approuvé par
PWGSC Project Manager EN	Administrateur de Projets TPSGC
Drawing title	Titre du dessin

RENOVATION PLANS

Project no./No. du projet R.104185	Drawing no./No. du dessin A01 OF	Revision no. 0
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1 RENOVATION FLOOR PLAN
SCALE: 1:100



2 RENOVATION REFLECTED CEILING PLAN
SCALE: 1:100

RENOVATION FLOOR PLAN KEYNOTES:

1. PROVIDE PLYWOOD BACKING FOR MILLWORK
2. RETRACTABLE WALL. REFER TO SPEC & DETAILS ON A02 & S01. CENTRE ON WINDOW MULLION.
3. SURFACE MOUNTED ELECTRICAL RACEWAY. REFER TO ELECTRICAL.
4. ALIGN NEW WALL WITH EXISTING. ENSURE SMOOTH TRANSITION BETWEEN ADJACENT SURFACES. PREPARE ALL SURFACES FOR NEW FINISHES.
5. PROVIDE PLYWOOD BACKING FOR SECURITY AND ELECTRICAL EQUIPMENT. COORDINATE LOCATION PRIOR TO GWB INSTALL.
6. PROVIDE A PORTABLE, WALL MOUNTED FIRE EXTINGUISHER. REFER TO MECHANICAL.
7. NEW AUTOMATIC DOOR OPERATOR - REFER TO ELECTRICAL AND SPEC.
8. INSTALL NEW CARPET TILE ON IN-FLOOR RACEWAY ACCESS HATCHES.
9. EXISTING METAL RADIATOR. MAKE GOOD AND PAINT (NOTE: RADIATORS FULL WIDTH BETWEEN COLUMNS: 41-1067mm HIGH). TYPICAL OF ALL RADIATORS IN AREA OF WORK. RADIATORS TO BE PAINTED TO MATCH RADIATORS IN PREVIOUSLY RENOVATED AREA.
10. LOCATION OF MFP (MULTI-FUNCTION PRINTER) SUPPLIED BY DEPARTMENTAL REPRESENTATIVE. COORDINATE WITH ELECTRICAL.
11. LOCATION OF SHREDDER PROVIDED BY DEPARTMENTAL REPRESENTATIVE. COORDINATE REQUIREMENTS WITH ELECTRICAL.
12. EXISTING BLINDS TO REMAIN. CONTRACTOR TO PROTECT DURING CONSTRUCTION. TYPICAL OF ALL WINDOWS.
13. PATCH AND PAINT DEMOLISHED CARD READER TO MATCH EXISTING WALL COLOUR. PATCH AND PAINT WALL AS REQUIRED FOR INSTALLATION OF ALL ELECTRICAL.
14. PATCH AND PAINT ALL COLUMNS IN AREA OF WORK TO MATCH EXISTING COLOUR OF COLUMNS IN PREVIOUSLY RENOVATED AREA.
15. EXISTING SERVICE HATCH DOOR IN FLOOR. PROVIDE NEW CARPET TILE FINISH (OPT-1) AND REINSTALL. TYPICAL.
16. CONTRACTOR TO PROVIDE FIRES TOPPING IN ALL COMPROMISED OPENINGS IN EXISTING WALL, INCLUDING EXISTING AND NEW PENETRATIONS
17. FRIDGE (NIC)
18. PROVIDE NEW MINERAL FIBRE INSULATION IN EXISTING STEEL STUD WALL
19. PATCH AND PAINT PUBLIC CORRIDOR WALL TO MATCH EXISTING
20. EXISTING FLOORING TO REMAIN. CONTRACTOR TO PROTECT DURING CONSTRUCTION. REPLACE ANY DAMAGED FLOORING DUE TO CONSTRUCTION WITH NEW.
21. PROVIDE ROD AND SHELF. REFER TO SPEC
22. DIMENSION TO BE CONFIRMED BY RETRACTABLE WALL MANUFACTURER
23. PROVIDE 18mm PLYWOOD FROM FLOOR TO 2440 A.F.F. INSTALL PLYWOOD ON TOP OF GWB WITH NO. 14 SHEET METAL SCREWS WITH A VERTICAL SPACING OF 200mm AND HORIZONTAL SPACING OF 400mm
24. CARPET TILE (OPT-1) CONTINUES UNDER RADIATORS 178mm (TYP.)
25. NEW CARD READER
26. PANIC BUTTON
27. REQUEST TO EXIT MOTION SENSOR

REFLECTED CEILING PLAN GENERAL NOTES:

1. REFER TO MECHANICAL FOR SPRINKLER AND FIRE PROTECTION DESIGN. CONTRACTOR TO REVISE SPRINKLER HEAD LOCATIONS TO ACCOMMODATE NEW CEILING LAYOUT. PROVIDE SPRINKLER DESIGN FOR REVIEW, COORDINATION AND APPROVAL. (NOTE: SPRINKLER LAYOUT NOT SHOWN ARCHITECTURAL DRAWINGS)
2. CONTRACTOR TO PROVIDE FIRES TOPPING IN ALL NEW AND PENETRATIONS IN FIRE SEPARATIONS (RATED AND UNRATED FIRE SEPARATIONS) AND FLOOR ASSEMBLIES. CONTRACTOR TO ASSUME ALL WALLS OUTSIDE THE TENANT SUITE ARE FIRE RATED AND PROVIDE FIRES TOPPING FOR MECHANICAL AND ELECTRICAL.
3. REFER TO MECHANICAL FOR INFORMATION REGARDING HVAC.
4. REFER TO ELECTRICAL FOR INFORMATION REGARDING LIGHTING AND ALARM SYSTEMS.

REFLECTED CEILING PLAN KEYNOTES:

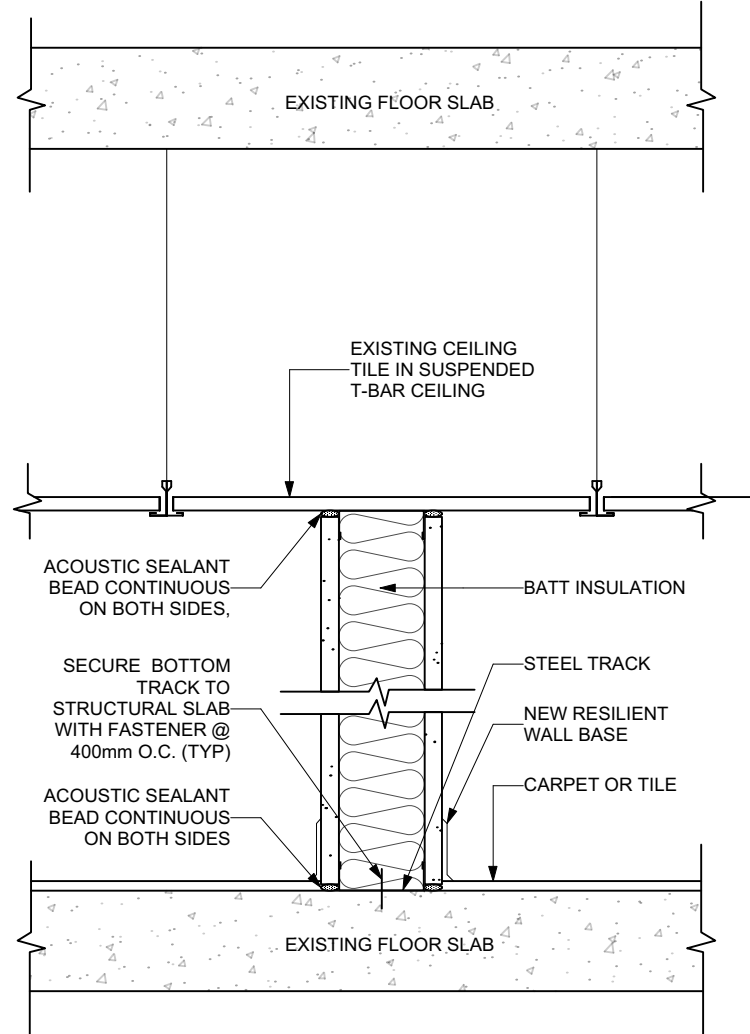
1. HATCHED AREA DENOTES NEW ACT-2 CEILING TILES. INSTALLED INTO EXISTING SUSPENDED CEILING GRID. IF EXISTING GRID IS NOT SALVAGEABLE, PROVIDE NEW.
2. EXISTING ACoustic CEILING TILE AND GRID SYSTEM TO REMAIN UNLESS OTHERWISE NOTED
3. EXISTING ACoustic CEILING TILE AND GRID TO REMAIN. PROTECT DURING CONSTRUCTION. CONTRACTOR TO MAKE GOOD AND / OR REPLACE WITH NEW IF DAMAGED AS A RESULT OF CONSTRUCTION
4. GB HEADER FOR RETRACTABLE WALL. REFER TO STRUCTURAL.
5. NEW GWB BULKHEAD - REFER TO DETAIL ON A02.
6. UNDER CABINET LED LIGHTING
7. EXISTING PERIMETER METAL BULKHEAD TO REMAIN. PROTECT DURING CONSTRUCTION
8. DASHED LINE INDICATES 610mm W x 1220mm L, 38mm THICK INSULATION TO BE INSTALLED ON EITHER SIDE OF PARTITION IN PLENUM SPACE ABOVE THE ACoustic CEILING TILE. REFER TO PLENUM DETAIL ON 4/A01
9. CONTRACTOR TO PATCH AND PAINT EXISTING SURFACES IN THESE LOCATIONS TO SUIT THE INSTALLATION OF THE NEW EXIT SIGNS. CONTRACTOR TO PROVIDE AND INSTALL NEW ACoustic CEILING TILES TO MATCH EXISTING WHERE DAMAGED BY WORK.

NOTE:
PROVIDE NEW ACoustic CEILING TILE IN LOCATION OF REMOVED/ RELOCATED MECHANICAL/ ELECTRICAL DEVICES AS REQUIRED.

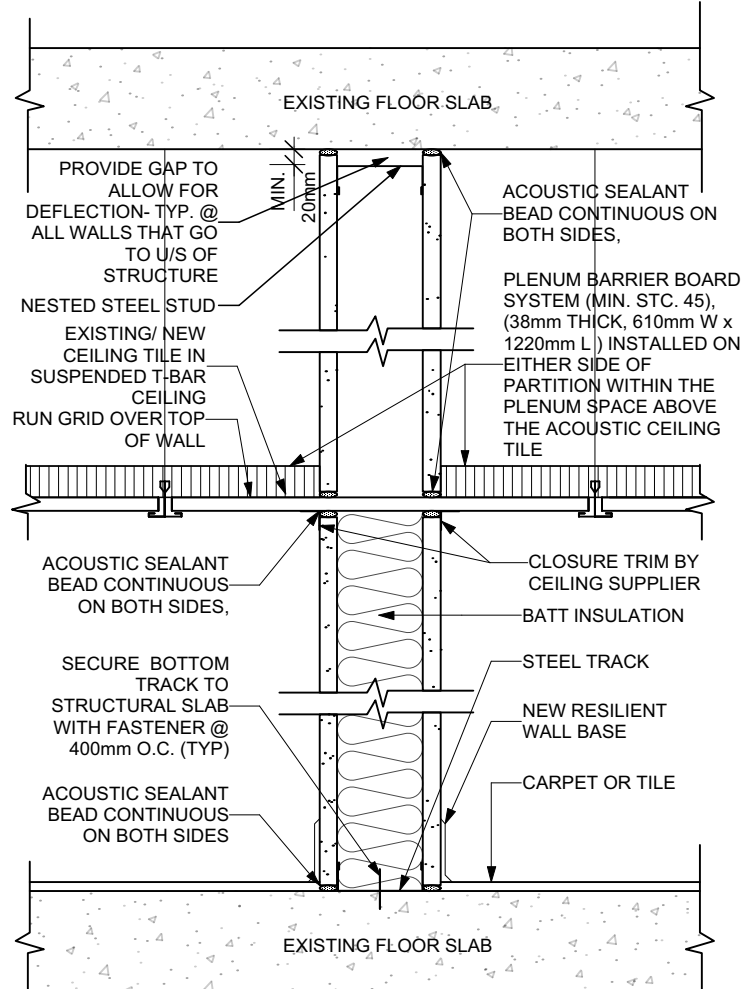
EXIT SIGN REPLACEMENT NOTE:

REFER TO ELECTRICAL FOR REPLACEMENT OF EXIT SIGNS IN OTHER GOVERNMENT DEPARTMENTS TENANT SPACES AND PUBLIC CORRIDORS.
CONTRACTOR TO PATCH AND PAINT EXISTING FINISHES AS REQUIRED IN THESE LOCATIONS TO SUIT INSTALLATION OF NEW RUNNING MAN STYLE EXIT SIGNS. PAINT COLOUR TO MATCH ADJACENT WALL. CONTRACTOR TO REPLACE ACoustic CEILING TILE AS REQUIRED IN THESE LOCATIONS. ACoustic CEILING TILES TO MATCH EXISTING.

WALL ASSEMBLY SCHEDULE

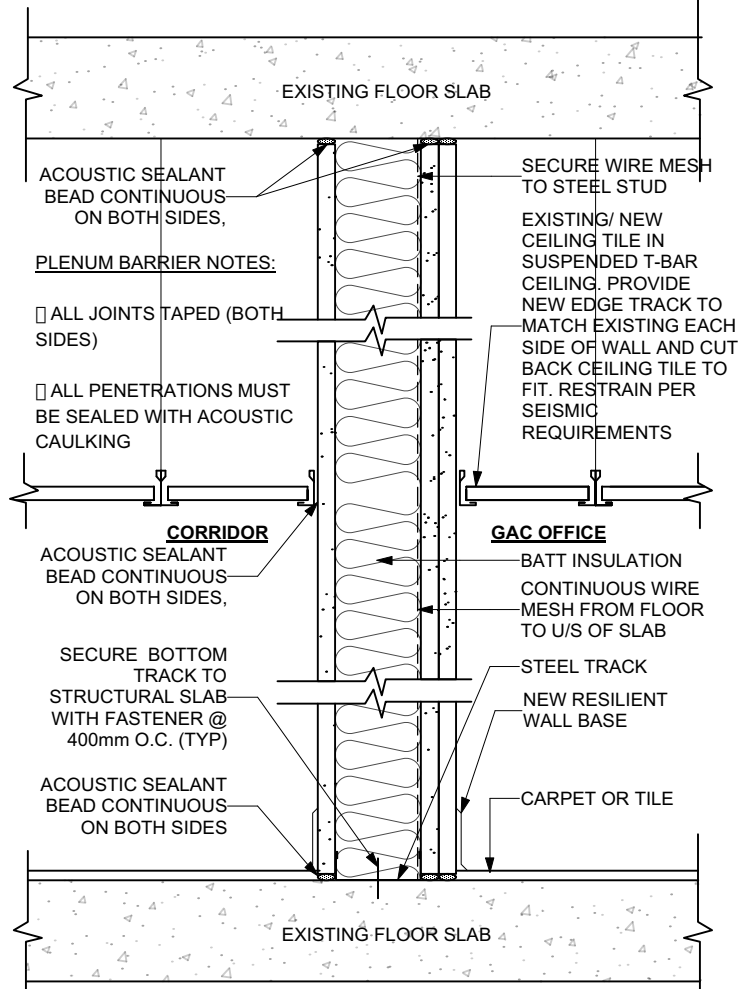


3 PARTITION TYPE W1
SCALE: 1:10



PLENUM BARRIER NOTES:
ALL JOINTS TAPED (BOTH SIDES) ALL PENETRATIONS MUST BE SEALED WITH ACoustic CAULKING
PLENUM BARRIER BOARD SYSTEM (MIN. STC. 45), (38mm THICK, 610mm W x 1220mm L) INSTALLED ON EITHER SIDE OF PARTITION WITHIN THE PLENUM SPACE ABOVE THE ACoustic CEILING TILE TO ACHIEVE REQUIRED STC RATING. CONTRACTOR TO CONFIRM LENGTH OF MATERIAL READ ON SITE. MATERIAL TO BE CUT AND ADJUSTED AS NEEDED TO ACCOMMODATE MECHANICAL AND ELECTRICAL DEVICES.

4 PARTITION TYPE W2
SCALE: 1:10



REMOVE GWB ON GAC SIDE AND ADD WIRE MESH AT ALL EXISTING WALLS SEPARATING CORRIDOR AND OFFICES. REFER TO SHEET A101.

5 PARTITION TYPE W3
SCALE: 1:10

WALL TYPE GENERAL NOTES:

1. FIRE RATED WALL TYPE SYMBOLS ARE DESIGNATED WITH AN "R". REFER TO REFLECTED CEILING PLAN FOR LOCATION AND RATING OF FIRE RATED WALLS. FIRE RESISTANCE RATINGS (FRR) AND SOUND TRANSMISSION CLASSES (STC) ARE SHOWN FOR REFERENCE ONLY.
2. REFER TO ID01 - FINISHES PLAN FOR WALL AND FLOOR FINISHES.
3. ALL ACoustically INSULATED WALLS BETWEEN DIFFERENT TENANT SPACES AND/OR BETWEEN TENANT SPACES AND CORRIDORS TO EXTEND TO UNDERSIDE OF FLOOR STRUCTURE OR DECK ABOVE. SEAL WITH ACoustic CAULKING AT PERIMETER AND ALL PENETRATIONS. REFER TO DETAILS AND CEILING PLAN.
4. CONSTRUCT FIRE RATED WALLS TO UNDERSIDE OF FLOOR STRUCTURE OR DECK ABOVE.
5. ACoustic INSULATION IN FIRE RATED WALLS TO BE MINERAL FIBRE PROCESSED FROM ROCK OR SLAG WITH A MASS OF AT LEAST 2.8 kg/m² FOR 92mm THICKNESS. REFER TO SPEC.
6. ACoustically SEPARATE BACK TO BACK ELECTRICAL BOXES WHICH CANNOT BE SEPARATED BY MIN. 400MM (1 FULL STUD SPACE). ATTACH DOUBLE LAYER 16mm GWB TO SIDE OF STUD FROM FLOOR TO 1200mm HIGH. SEAL WITH ACoustic CAULK ON BOTTOM AND SIDES.
7. ALL INTERIOR WALL DIMENSIONS TO OUTSIDE FACE OF GYPSUM BOARD. COORDINATE STUDS TO SUIT.
8. PROVIDE SLP-JOINT FOR ALL FULL HEIGHT PARTITIONS. MAINTAIN FIRE RESISTANCE RATING WHERE REQUIRED.
9. OFFSET DOOR FRAMES 1000mm FROM FACE OF WALL UNLESS OTHERWISE NOTED.
10. UNLESS OTHERWISE NOTED, ALL NEW WALL TO BE CONSTRUCTED TO UNDERSIDE OF FLOOR STRUCTURE.
11. PROVIDE MINIMUM 19mm PLYWOOD BLOCKING FOR WALL HUNG EQUIPMENT: MILLWORK, FURNITURE. COORDINATE LOCATION WITH INSTALLERS.
12. MAINTAIN INTEGRITY OF ALL EXISTING ACoustic, FIRE AND SMOKE SEPARATION PARTITIONS. PROVIDE NEW FIRES TOPPING FOR ALL EXISTING AND NEW PENETRATIONS IN RATED WALLS.
13. REFER TO A02 FOR WALL BRACING AT DOORS

INTERIOR WALL TYPES:

- W1 - GYPSUM CONSTRUCTION**
(FLOOR SLAB TO US OF SUSPENDED CEILING)
- 16mm TYPE "X" GYPSUM BOARD
 - 92mm METAL STUDS @ 400mm O.C.
 - WITH ATTENUATION BATT INSULATION (STC-35) IN CAVITY
 - 16mm TYPE "X" GYPSUM BOARD
 - ACoustic CAULKING TOP & BOTTOM
- W2 - GYPSUM CONSTRUCTION WITH PLENUM BARRIER**
(FLOOR SLAB TO US OF SUSPENDED CEILING & T.O. SUSPENDED CEILING TO US OF SLAB WITH PLENUM BARRIER)
- 16mm TYPE "X" GYPSUM BOARD
 - 92mm METAL STUDS @ 400mm O.C.
 - WITH ATTENUATION BATT INSULATION (STC-45) IN CAVITY
 - 16mm TYPE "X" GYPSUM BOARD
 - ACoustic CAULKING TOP & BOTTOM
- W3a - GYPSUM CONSTRUCTION FROM SLAB TO SLAB WITH WIRE MESH**
1 HR FRR PER VBLL TABLE A-9 10.3.1 A WALL NUMBER S5a (CONTINUOUS FROM FLOOR SLAB TO CEILING SLAB WITH WIRE MESH, BUILD AS PER RCMP G13-02 SECURE DEMISING WALL SPECIFICATIONS)
- EXISTING PARTITION (STEEL STUD AND GWB ON OPPOSITE SIDE OF WALL)
 - PROVIDE ATTENUATION BATT INSULATION (STC-52) IN STUD CAVITY
 - CONTINUOUS 19mm-9F EXPANDED STEEL SECURITY MESH FROM FLOOR TO US OF SLAB. ALIGN THE SHEET EDGES AT EVERY VERTICAL AND HORIZONTAL SEAM ON THE CENTRE LINE OF THE STEEL STUD AND SECURE WITH WELDS OR RIVETS.
 - 16mm TYPE "X" GYPSUM BOARD
 - ACoustic CAULKING TOP & BOTTOM
- W3b - GYPSUM CONSTRUCTION FROM SLAB TO SLAB WITH WIRE MESH**
1 HR FRR PER VBLL TABLE A-9 10.3.1 A WALL NUMBER S5b (CONTINUOUS FROM FLOOR SLAB TO CEILING SLAB WITH WIRE MESH, BUILD AS PER RCMP G13-02 SECURE DEMISING WALL SPECIFICATIONS)
- 2 LAYERS 16mm TYPE "X" GYPSUM BOARD
 - CONTINUOUS 19mm-9F EXPANDED STEEL SECURITY MESH FROM FLOOR TO US OF SLAB. ALIGN THE SHEET EDGES AT EVERY VERTICAL AND HORIZONTAL SEAM ON THE CENTRE LINE OF THE STEEL STUD AND SECURE WITH WELDS OR RIVETS. MESH TO BE INSTALLED ON "ATTACK SIDE" OF STEEL STUD
 - 92mm METAL STUDS @ 300mm O.C. WITH ATTENUATION BATT INSULATION (STC-52) IN CAVITY
 - 16mm TYPE "X" GYPSUM BOARD
 - 19mm PLYWOOD FROM FLOOR TO 2440mm A.F.F., INSTALL WITH NO. 14 SHEET METAL SCREWS WITH VERTICAL SPACING OF 300mm AND HORIZONTAL SPACING OF 400mm
 - ACoustic CAULKING TOP & BOTTOM

NOTE FOR ALL SECURITY PARTITIONS (W3a, W3b)
1. REFER TO SPEC FOR G13-02 SECURE DEMISING WALL (SDW) REQUIREMENTS

2. PICTURES OF EACH LAYER OF THE WALL AS CONSTRUCTION PROGRESSES WILL HAVE TO BE FORWARDED TO GLOBAL AFFAIRS CANADA. DOMESTIC SECURITY UNIT FOR APPROVAL PRIOR TO THE DRYWALL BEING INSTALLED. THE DRYWALL MUST NOT BE INSTALLED OVER THE STEEL SECURITY MESH UNTIL WRITTEN APPROVAL IS RECEIVED FROM THE DOMESTIC SECURITY UNIT.

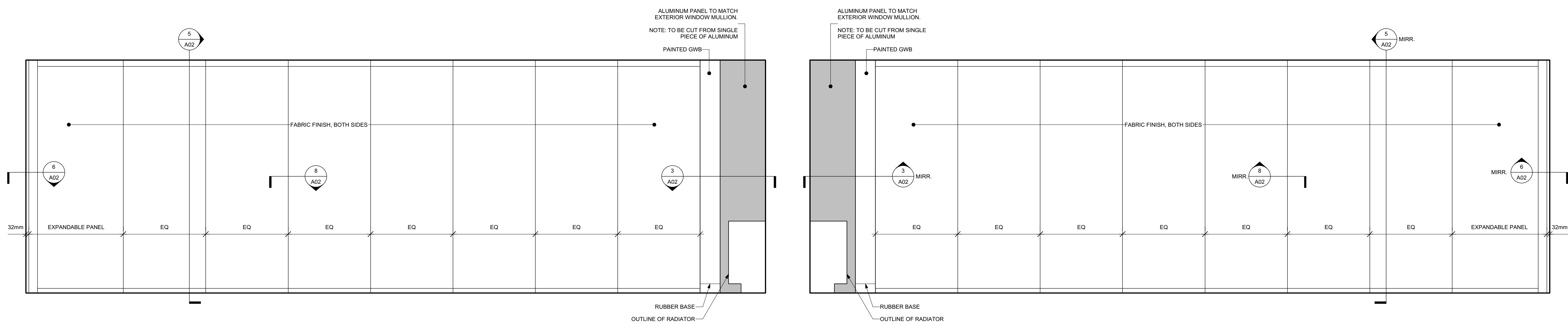
W4 - RETRACTABLE WALL (REFER TO DETAILS ON A02 AND SPEC)
ACousti-SEAL PAIRED PANEL SYSTEM AS REQUIRED TO MEET STC RATING 45.

FULL HEIGHT WITH STANDARD FABRIC FINISH. PROVIDE FINISH SAMPLES TO DESIGNER.

LOCATION IN BETWEEN MEETING ROOMS AS SHOWN.

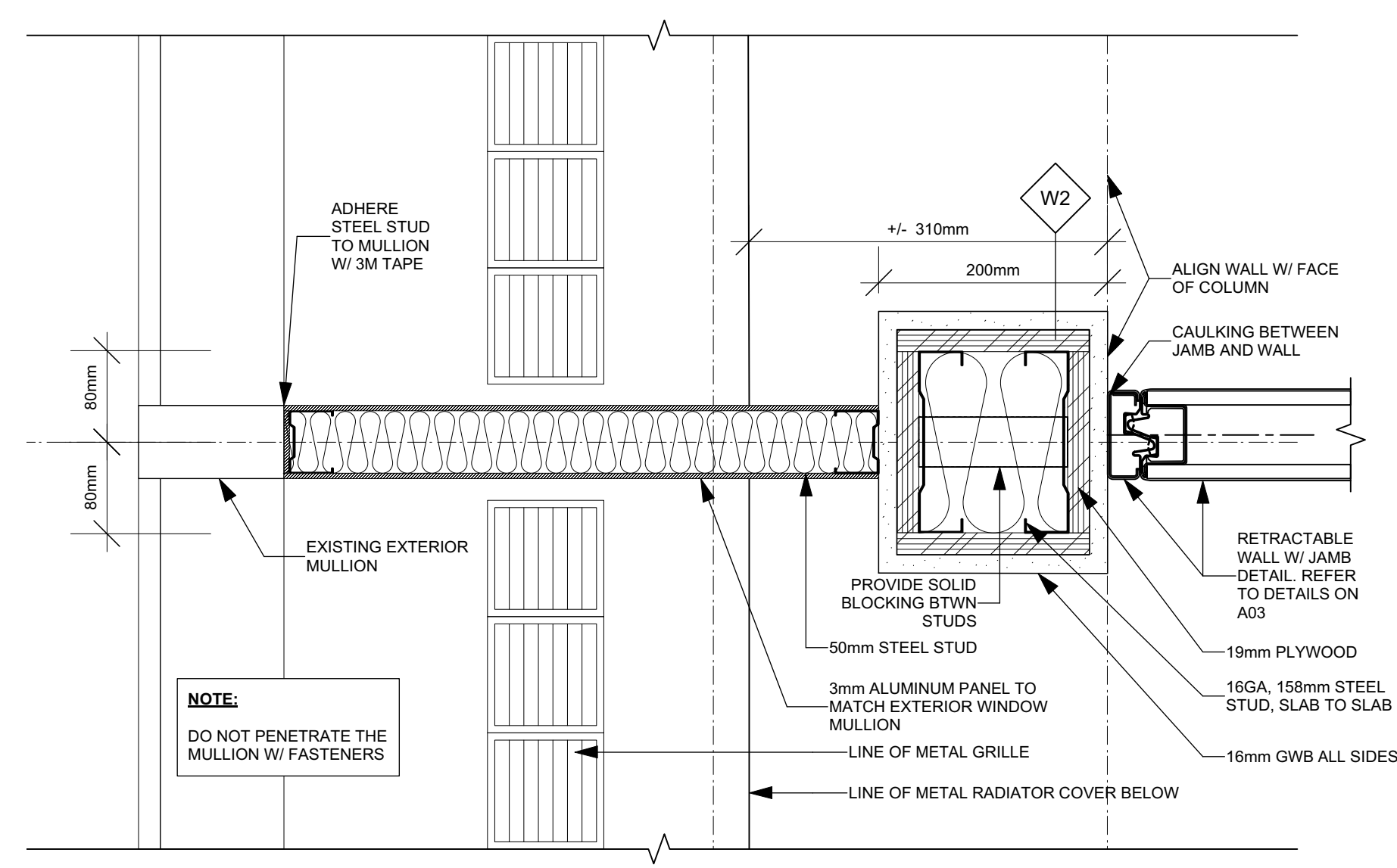
REFER TO INTERIOR ELEVATIONS FOR DETAILS.

GENERAL NOTES:

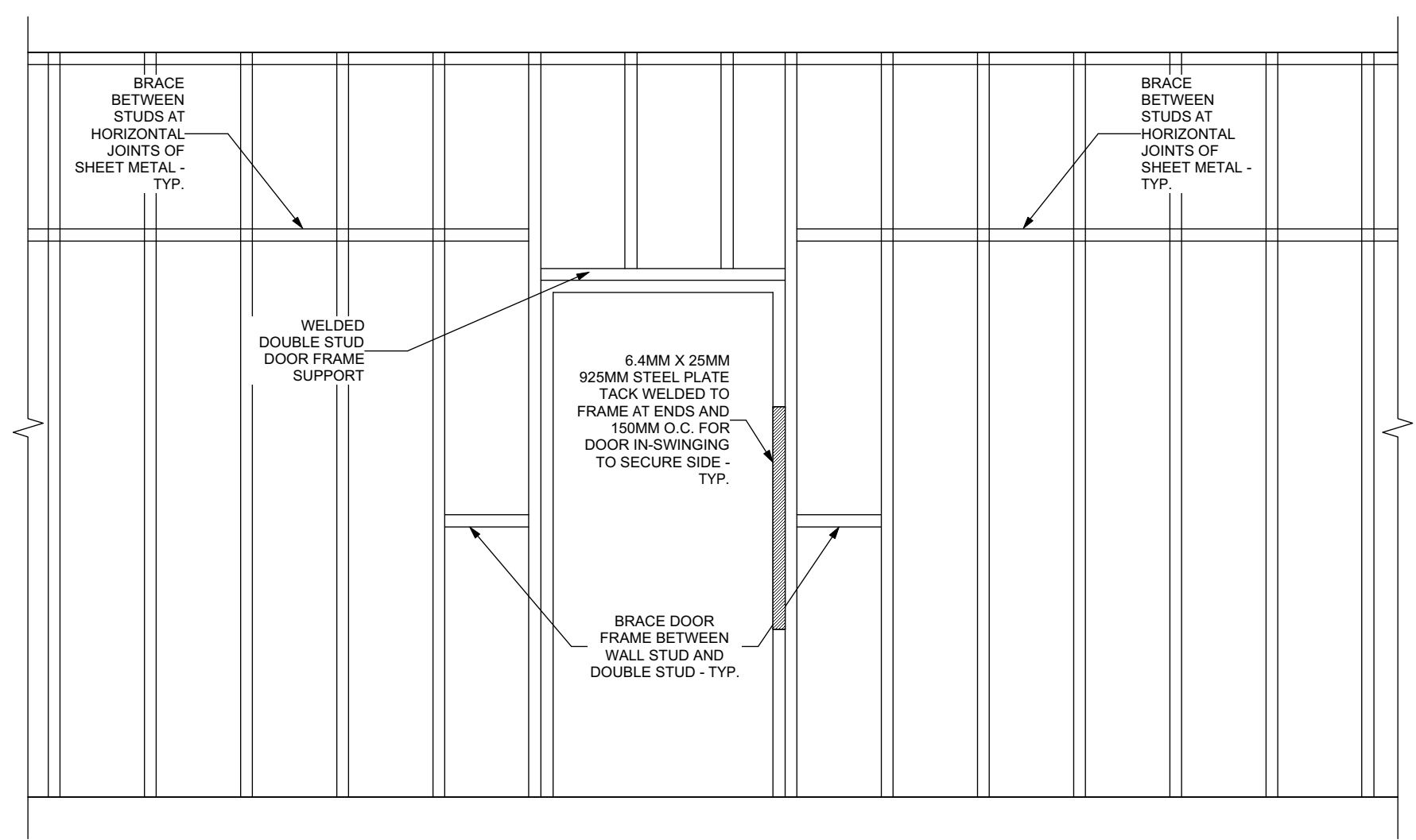


1 RETRACTABLE WALLSOUTH ELEVATION - MEETING ROOM 302
SCALE: 1:25

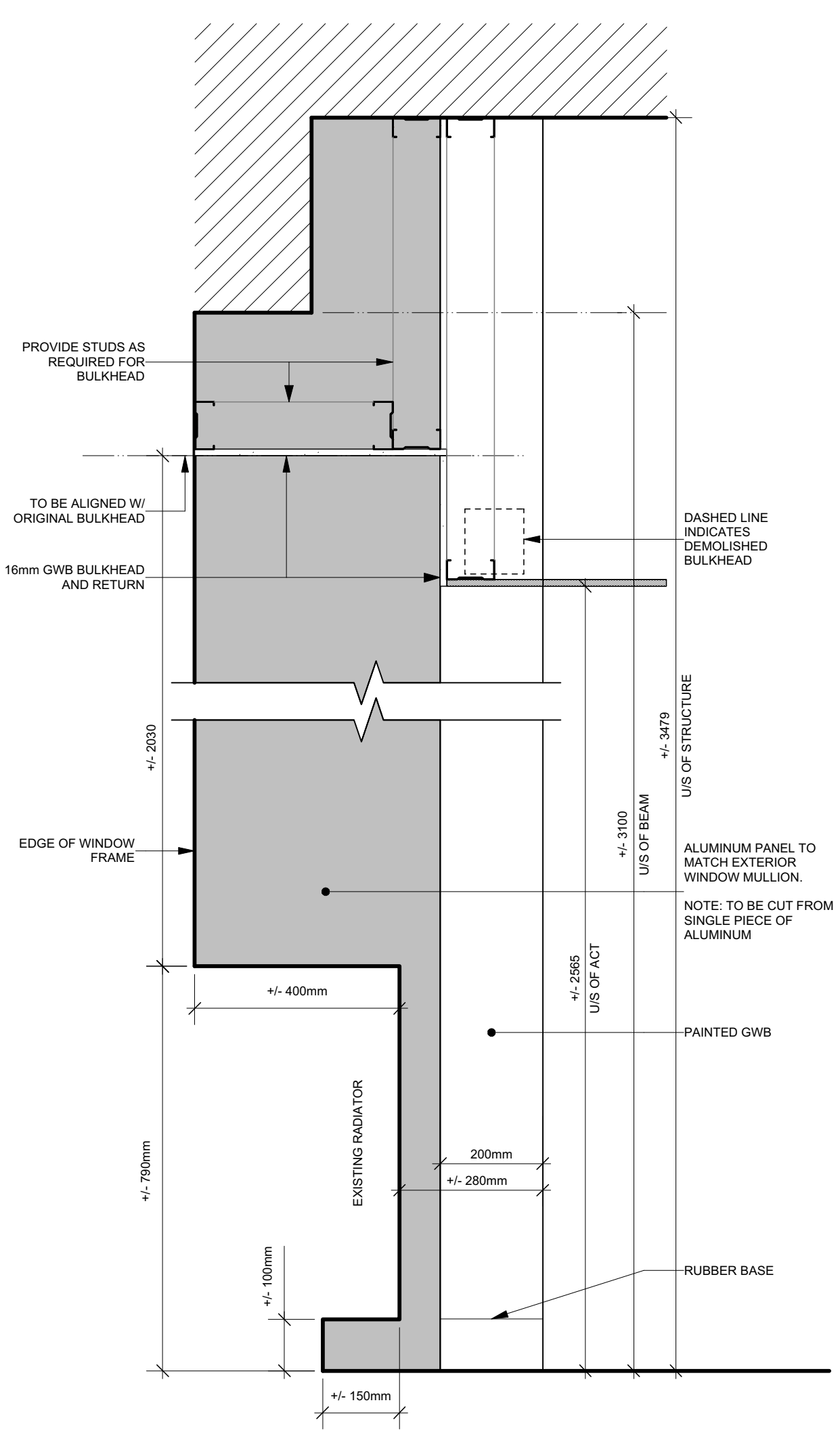
2 RETRACTABLE WALL NORTH ELEVATION - MEETING ROOM 301
SCALE: 1:25



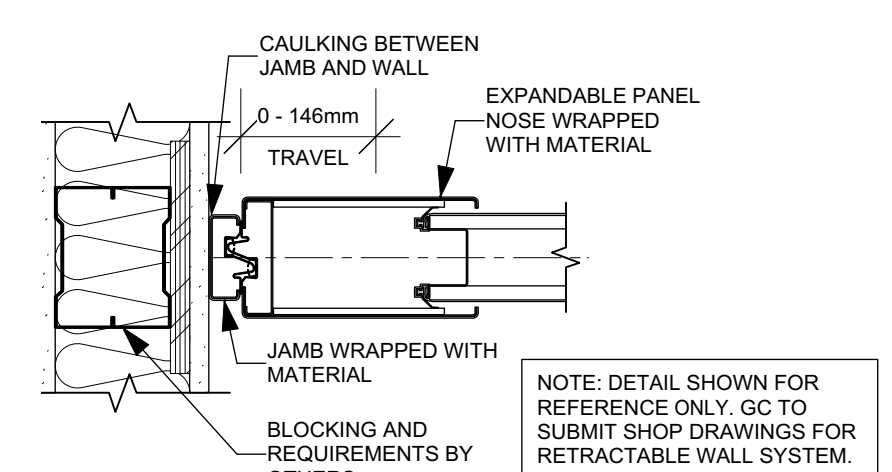
3 WALL DETAIL AT EXTERIOR WINDOW MULLION
SCALE: 1:5



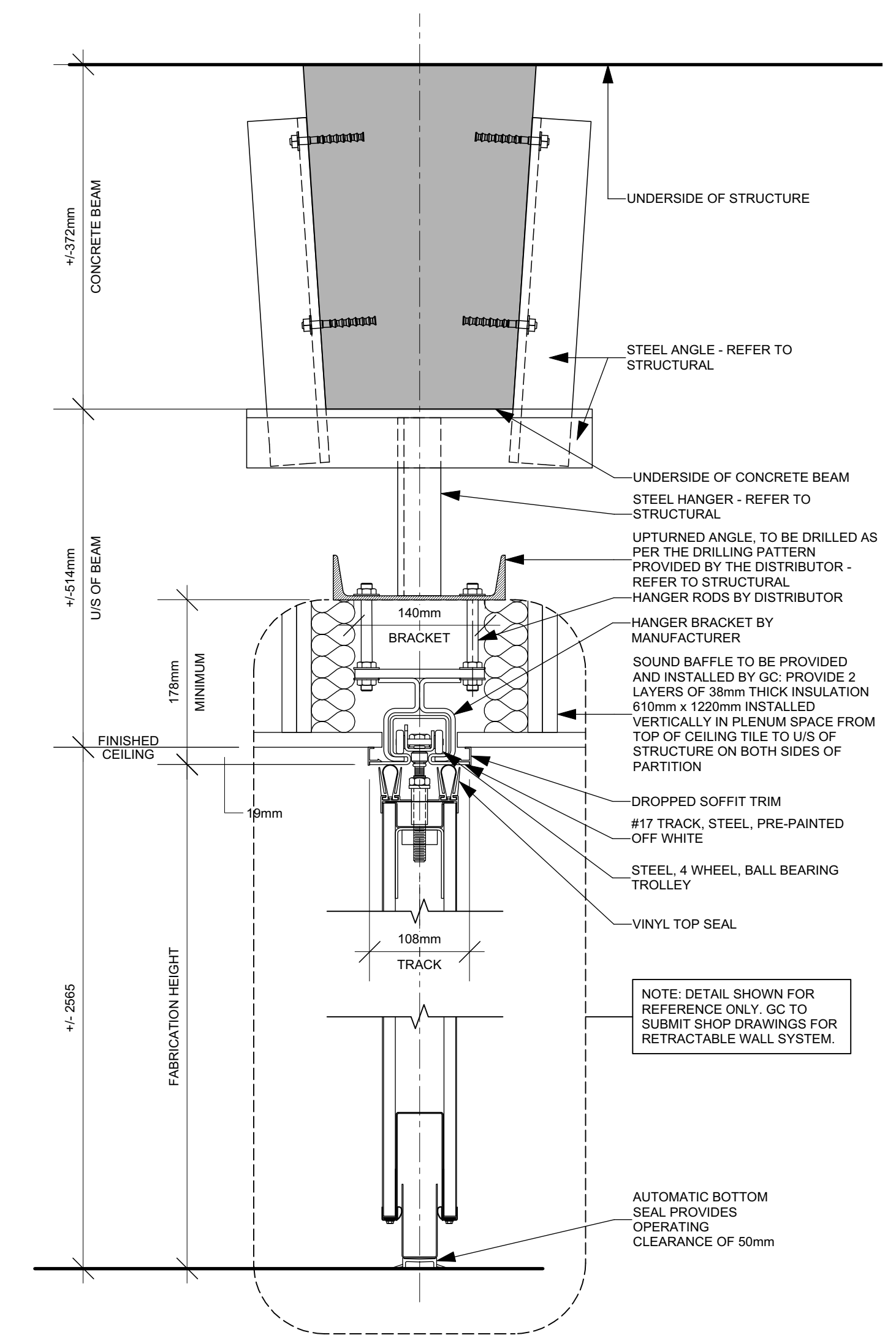
TYPICAL DOOR BRACING ELEVATION
SCALE: 1:25



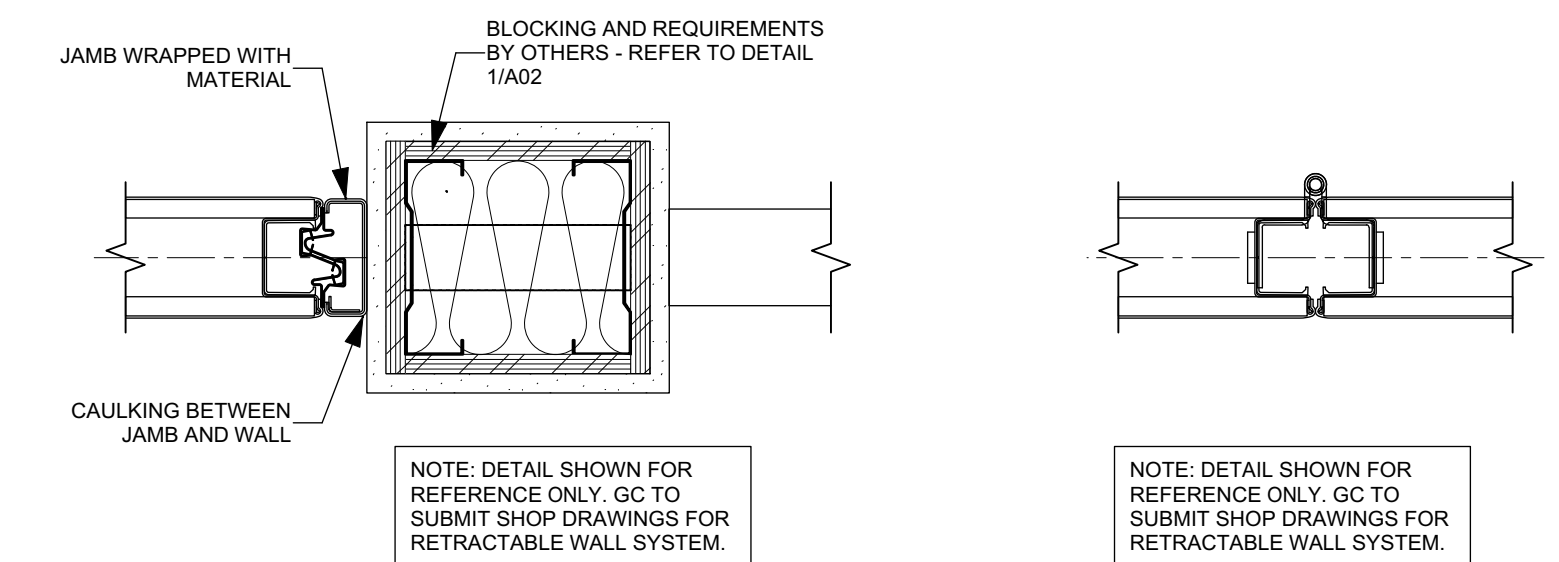
4 BULKHEAD DETAIL AT EXTERIOR MULLION
SCALE: 1:10



6 RETRACT. WALL - EXPANDABLE PANEL W/ JAMB DETAIL
SCALE: 1:5



5 RETRACTABLE WALL SECTION DETAIL
SCALE: 1:5



7 RETRACT. WALL - JAMB DETAIL
SCALE: 1:5

8 RETRACT. WALL - HINGED PANEL JOINT
SCALE: 1:5

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Revision	Description	Date
4		
3		
2		
1		
0	ISSUED FOR CONSTRUCTION	02/17/21

Client: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project title: GLOBAL AFFAIRS CANADA (GAC) 303 MAIN STREET WINNIPEG, MB

REGIONAL OFFICE FIT-UP

Designed by AJ	Conçu par
Drawn by AJ	Dessiné par
Approved by TC	Approuvé par
PWGSC Project Manager EN	Administrateur de Projets TPSGC
Drawing title	Titre du dessin

ARCHITECTURAL DETAILS

Project no./No. du projet R.104185	Drawing no./No. du dessin A02 OF	Revision no. 0
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GENERAL NOTES:

FINISH PLAN GENERAL NOTES:

- ALL BULKHEADS TO BE PAINTED PT-4 UNLESS NOTED OTHERWISE. BULKHEAD FINISH APPLIES TO VERTICAL & HORIZONTAL FACES.
- PATCH AND REPAIR FLOOR & CEILING FINISH WHERE AFFECTED BY WORK TO MATCH EXISTING.
- ALL WALLS TO BE PAINTED PT-1 UNLESS NOTED OTHERWISE.
- ALL COLUMNS TO RECEIVE RB-1 FINISH UNLESS OTHERWISE NOTED.
- ALL GWB WALLS TO RECEIVE RB-4 UNLESS OTHERWISE NOTED.
- GC TO PREPARE EXISTING FLOOR TO RECEIVE NEW CARPET TILE.
- ALL DOORS & FRAMES TO BE PAINTED PT-4 UNLESS OTHERWISE NOTED.

FINISH PLAN KEYNOTES:

- PROVIDE TRANSITION STRIP (TR-1), REFER TO SPEC.
- THE EXISTING CARPET TILE / CEILING TILE/ IN THE AREA DENOTED BY A HATCH ARE EXISTING AND TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR TO ENSURE THE EXISTING CARPET/ CEILING TILE/LIGHTS IN THIS AREA ARE PROTECTED DURING CONSTRUCTION OR REPLACED WITH NEW IF DAMAGED.
- PAINT ALL EXISTING PERIMETER METAL RADIATORS IN "UNRENOVATED AREA" TO MATCH RADIATORS IN "RENOVATED AREA". NOTE: RADIATORS FULL WIDTH BETWEEN COLUMNS, +/- 1067mm (HIGH). TYPICAL OF ALL RADIATORS IN AREA OF WORK.
- OVERFLOOR RACEWAY, REFER TO ELECTRICAL.
- USE SALVAGED CARPET TILE FROM TELECOM ROOM TO ALTERNATE WITH NEW CARPET TILE IN ORDER TO HELP BLEND CARPET TILE DYE LOTS.
- CARPET TILE AND RUBBER BASE TO BE INSTALLED IN "UNRENOVATED AREA" TO MATCH EXISTING CARPET TILE CURRENTLY INSTALLED IN "RENOVATED AREA".
- ALL COLUMNS IN "UNRENOVATED AREA" TO BE PAINTED TO MATCH COLUMNS IN "RENOVATED AREA".
- EXISTING RUBBER BASE TO BE REMOVED TO ACCOMMODATE INSTALLATION OF NEW WIRE MESH ON DEMISING WALL. PROVIDE NEW RUBBER BASE TO BE INSTALLED THROUGHOUT ENTIRE OFFICE SPACE.
- FULL HEIGHT, CORNER GUARD, REFER TO SPEC.
- EXISTING SERVICE HATCH DOOR IN FLOOR, PROVIDE NEW

ROOM FINISH SCHEDULE

No.	NAME	FLOOR		CEILING		WALLS								NOTES
		FINISH	BASE	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	
300	CLIENT ENTRANCE	CPT-1	RB-1	ACT-1	-	GWB	PT	GWB	PT	GWB	PT	GWB/GLZ	PT/FL	
301	MEETING ROOM	CPT-1	RB-1	ACT-2	-	RTW-1	-	GWB/GLZ	PT/FL	GWB	PT-5	GWB/GLZ	PT	
302	MEETING ROOM	CPT-1	RB-1	ACT-2	-	GWB	PT-5	GWB/GLZ	PT/FL	RTW-1	PT	GWB/GLZ	PT	
303	RECEPTION	CPT-1	RB-1	ACT-1	-	GWB	PT	GWB	PT	GWB	PT	GWB/GLZ	PT-3/FL	
303a	CLOSET	CPT-1	RB-1	ACT-1	-	GWB	PT	GWB	PT	GWB	PT	GWB	PT	
304	OFFICE ENTRANCE	CPT-1	RB-1	ACT-1	-	GWB	PT	GWB	PT	-	-	GWB/GLZ	PT/FL	
305	KITCHENETTE	VP-1	RB-1	ACT-1	-	GLZ/GWB	PT	GWB	PT	GWB	PT-5/CT-1	GWB/GLZ	PT	
308	COLLAB AREA	CPT-1	RB-1	ACT-1	-	GWB/GLZ	PT	-	-	GWB	PT-5	-	-	RELOCATED EXISTING CARPET TILE FROM TELECOM ROOM
307	OPEN OFFICE	EXST.	RB-1	EXST.	-	GWB/GLZ	PT	GWB/GLZ	PT	GWB	PT-3	GWB	PT	
310	QUIET ROOM	CPT-1	RB-1	ACT-2	-	GWB	PT	GWB	PT	GWB	PT	GWB	PT	
312	TELECOM ROOM	SDT-1	RB-1	EXP.	-	PLY/GWB	PT	PLY/GWB	PT	PLY/GWB	PT	PLY/GWB	PT	ALL WALLS CLAD IN 19mm PLYWOOD (INSTALLED ON TOP OF GWB) TO 2440mm AFF.
313	STORAGE ROOM	EXST.	RB-1	EXST.	-	GWB	PT	GWB	PT	GWB	PT	GWB	PT	
334	SHARED EQUIPMENT	EXST.	RB-1	EXST.	-	GWB	PT	GWB	PT	GWB	PT	GWB	PT	
332	OFFICE	EXST.	RB-1	ACT-2	-	GWB/GLZ	PT/FL	GWB	PT	GWB	PT	GWB	PT	
330	COLLAB AREA	EXST.	RB-1	EXST.	-	-	-	GWB/GLZ	PT	GWB	PT	GWB	PT-3/PT-5	
336	EMPLOYEE ENTRANCE	EXST.	RB-1	EXST.	-	GWB	PT	GWB	PT	GWB	PT	GWB	PT	

ABBREVIATIONS:

CF	CLEAR FINISH	GLZ	GLAZING	TR	TRANSITION
GWB	GYPSUM WALL BOARD	PT	PAINT FINISH	GR	GROUT
RB	RUBBER BASE	PL	PLASTIC LAMINATE	VP	VINYL PLANK
WD	WOOD	ACT	ACOUSTIC CEILING TILE	SDT	STATIC DISSIPATIVE TILE
EXT	EXISTING	CG	CORNER GUARD	CT	CERAMIC TILE
EXP	EXPOSED	VWC	VINYL WALL COVERING	FL	FILM, PRIVACY
RTW	RETRACTABLE WALL	CPT	CARPET TILE	PLY	PLYWOOD

MATERIAL SCHEDULE

CODE	PRODUCT	SIZE	STYLE	FINISH	LOCATION	NOTES
ACT-1	ACOUSTIC CEILING TILE	610mm x 1219mm x 19mm	USG MARS 88785, SHADOWLINE TAPER EDGE, WHITE	MRC 75, CAC 35	GENERAL OPEN OFFICE AREA	MATCH EXISTING ACOUSTIC CEILING TILE INSTALLED IN "RENOVATED" OFFICE AREA
ACT-2	ACOUSTIC CEILING TILE	610mm x 1219mm x 19mm	USG MARS HIGH-NRC/HIGH-CAC 89135, SHADOWLINE TAPER EDGE, WHITE	MRC 85, CAC 35	MEETING ROOMS, OFFICE, QUIET ROOM	
PT-1	MAIN WALL PAINT	-	TO MATCH SICO SKETCH PAPER 8206-21	EGGSHHELL	GENERAL WALL PAINT COLOUR	
PT-2	ACCENT WALL PAINT	-	TO MATCH SICO SKETCH 8206-31	EGGSHHELL	MEETING ROOMS	
PT-3	ACCENT PAINT	-	TO MATCH SICO SPLASHDOWN 6150-42	EGGSHHELL	REFER TO FINISH PLAN FOR LOCATION OF ACCENT WALLS	
PT-4	PAINT	-	TO MATCH SICO NATURAL WHITE 6000-11	FLAT	BULKHEADS, CEILINGS	
PT-5	WRITEABLE PAINT	-	CLEAR, REFER TO SPECIFICATION	-	REFER TO FINISH PLAN FOR LOCATION OF WRITEABLE WALLS	
PT-6	PAINT	-	TO MATCH SICO SKETCH PAPER 8206-21	GLOSS	DOORS & FRAMES	
PL-1	PLASTIC LAMINATE	1mm THICK	WHITE, THROUGH-COLOUR	HIGH GLOSS	KITCHENETTE, UPPER CABINETS	
PL-2	PLASTIC LAMINATE	1mm THICK	CHARCOAL, THROUGH-COLOUR	HIGH GLOSS	KITCHENETTE, LOWER CABINETS	
PL-3	PLASTIC LAMINATE	1mm THICK	WHITE W/ MULTI-TONAL QUARTZ-STYLE AGGREGATE	HIGH GLOSS	KITCHENETTE, COUNTERTOP	
CT-1	CERAMIC TILE	75mm x 150mm	BRICK PATTERN	WHITE, GLOSSY	KITCHENETTE	
CPT-1	CARPET TILE	610mm x 610mm x 6mm	SHAW CONTRACT, BIAS TILE, OPEN WORK ST043 TINSMITH 093555	-	THROUGHOUT "UNRENOVATED" OFFICE AREA	TO MATCH EXISTING CARPET TILE INSTALLED IN "RENOVATED" OFFICE AREA
VP-1	VINYL PLANK	152mm x 1219mm x 5mm	GREY WOOD GRAIN	EMBOSSED TEXTURE	KITCHENETTE	
SDT-1	STATIC DISSIPATIVE TILE	615mm x 615mm x 2mm	GREY ABSTRACT MOTTLED	-	TELECOM ROOM	
RB-1	RUBBER BASE	101mm HIGH	TO BE SELECTED FROM MANUFACTURER'S STANDARD RANGE OF COLOURS	-	THROUGHOUT OFFICE	

FURNITURE PLAN KEYNOTES:

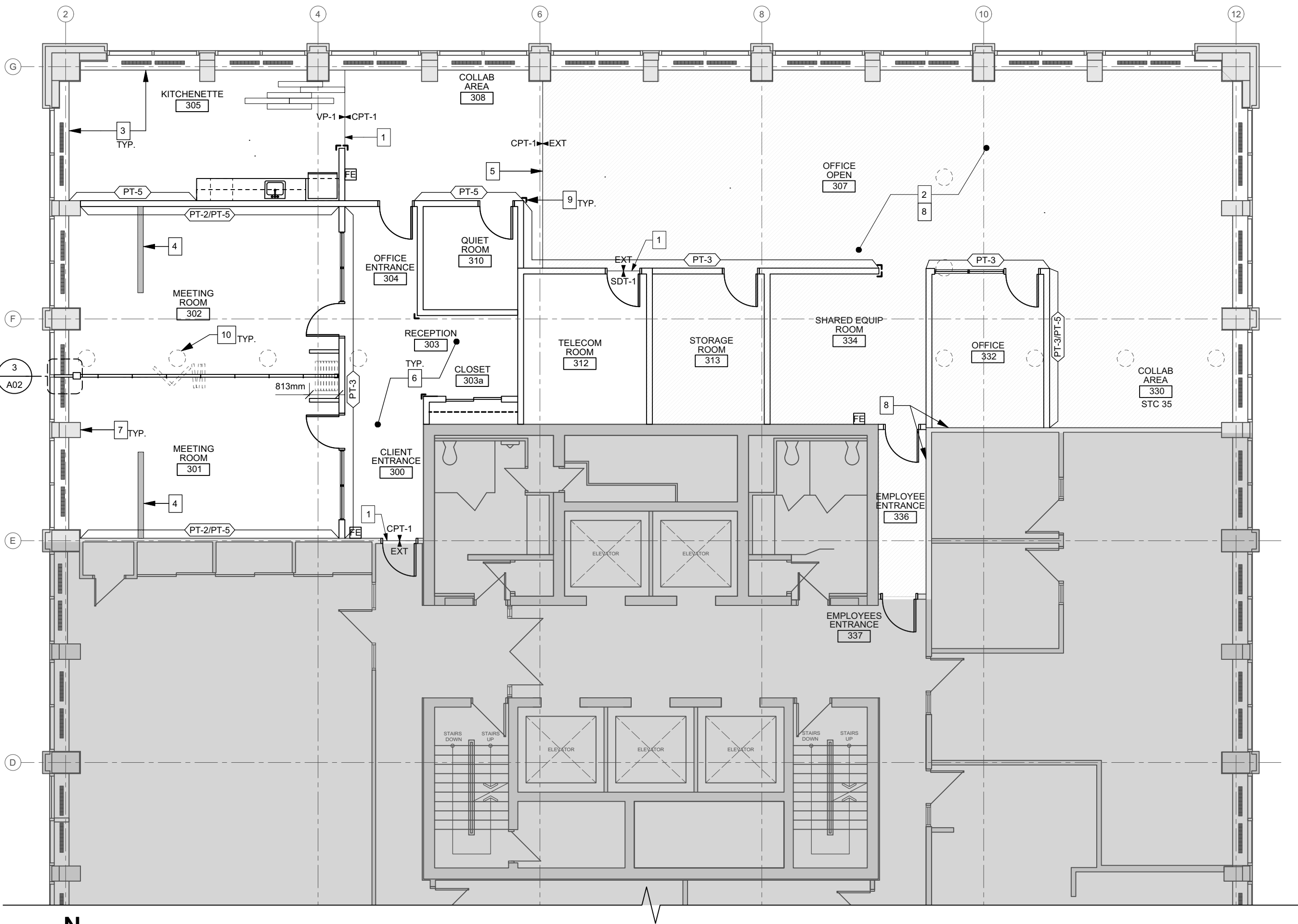
- LOCATION OF POWER POLE, COORDINATE W/ DEPARTMENTAL REPRESENTATIVE & ELECTRICAL.
- FACE OF WORKSTATIONS TO BE ALIGNED

FURNITURE PLAN GENERAL NOTES:

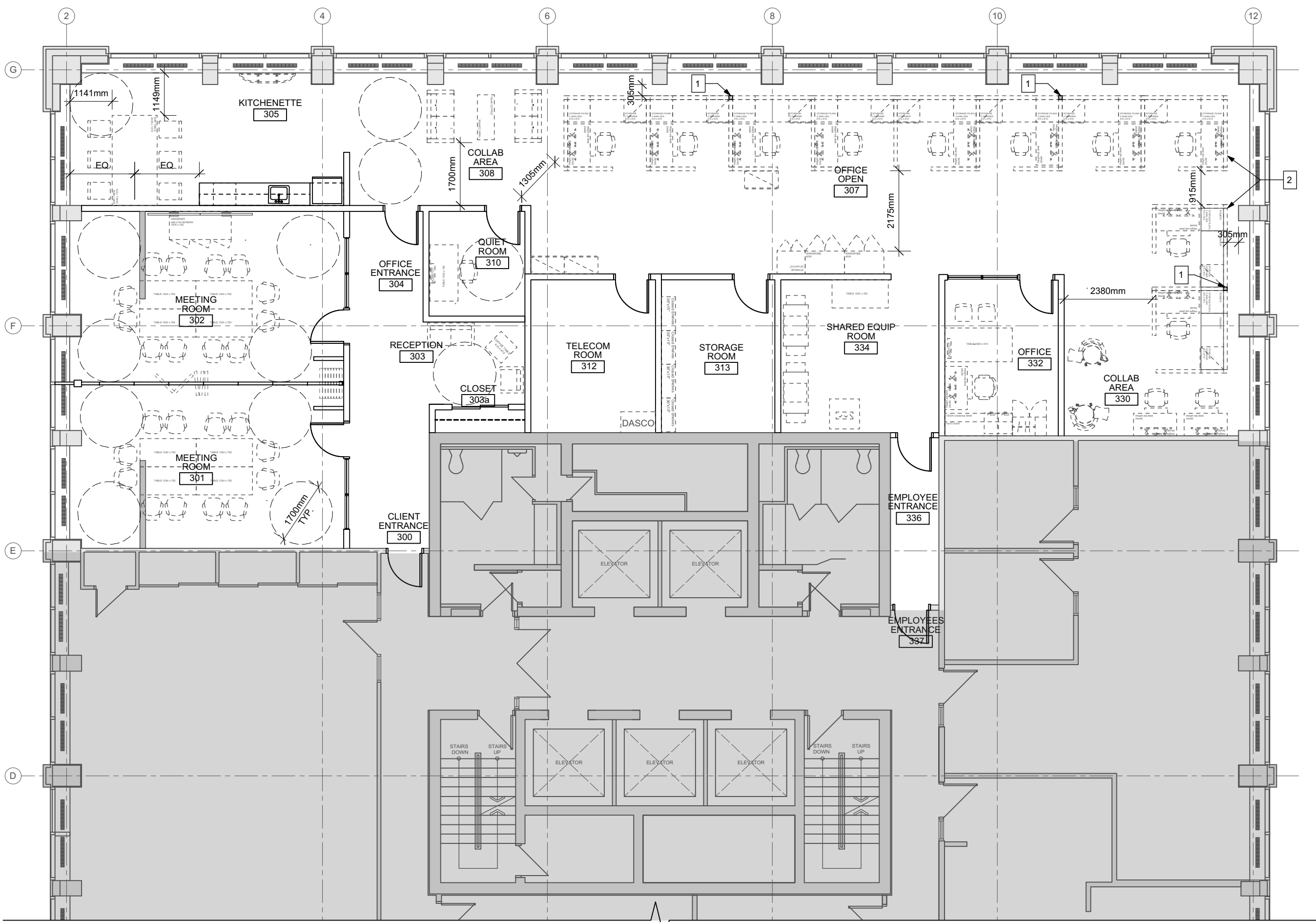
- ALL FURNITURE AND EQUIPMENT IS NOT IN CONTRACT AND WILL BE PROVIDED BY DEPARTMENTAL REPRESENTATIVE.
- FF&E SHOWN FOR COORDINATION ONLY. COORDINATE WITH FURNITURE SUPPLIER AND REFER TO ELECTRICAL FOR CEILING FED POWER POLE LOCATIONS.
- FF&E TO BE SUPPLIED AND INSTALLED BY DEPARTMENTAL REPRESENTATIVE.
- ALL EQUIPMENT AND FURNITURE IS FOR COORDINATION AND IS TO BE CONFIRMED WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO INSTALL.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANT DRAWINGS.
- ALL WORKSTATION PANELS LOCATED DIRECTLY IN FRONT OF THE EXTERIOR WINDOWS WILL BE 915mm HIGH. ALL OTHER PANELS WILL BE 1300mm HIGH.

NOTE:

FURNITURE (NIC) FOR COORDINATION OF ELECTRICAL ONLY TO BE PROVIDED BY DEPARTMENTAL REPRESENTATIVE.

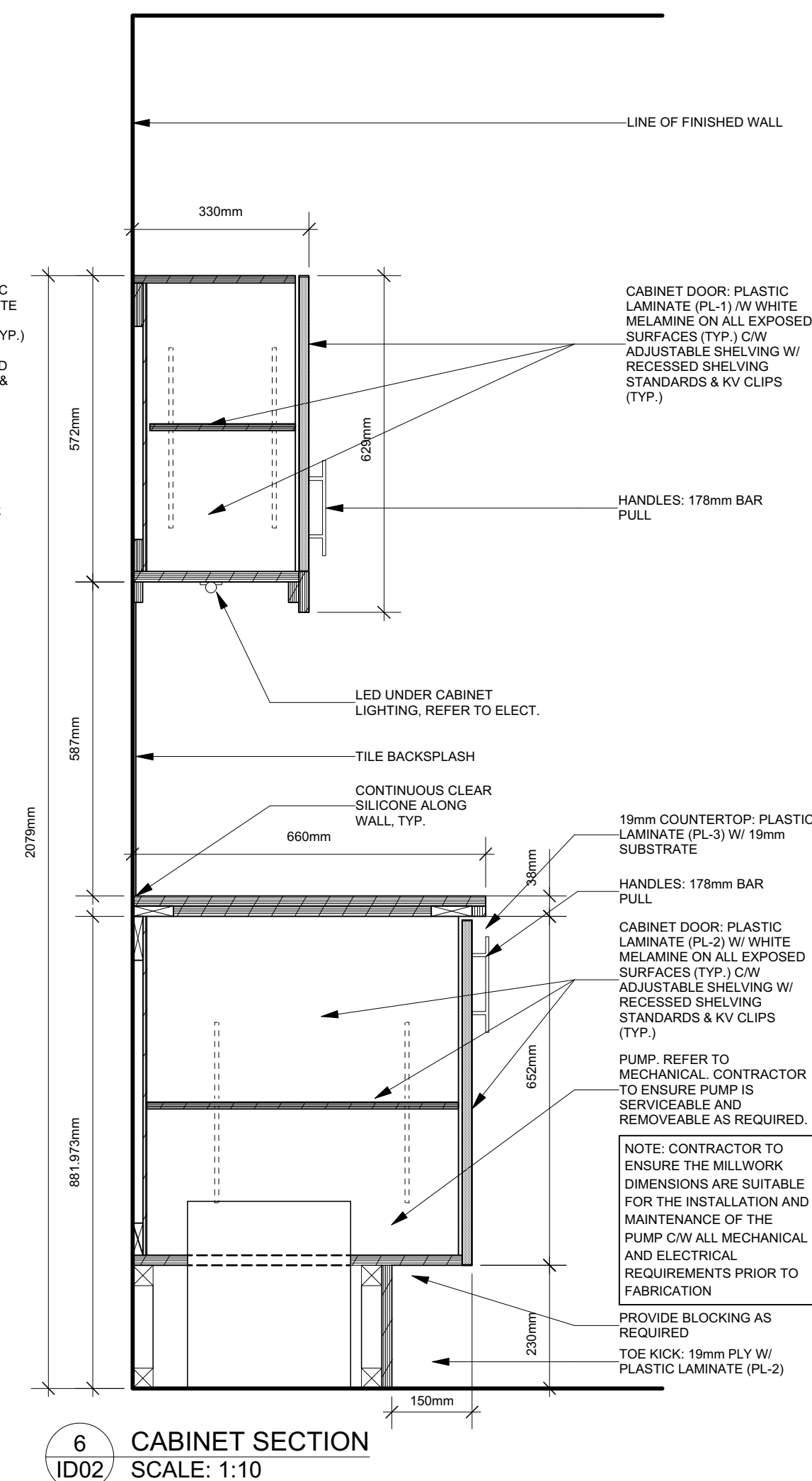
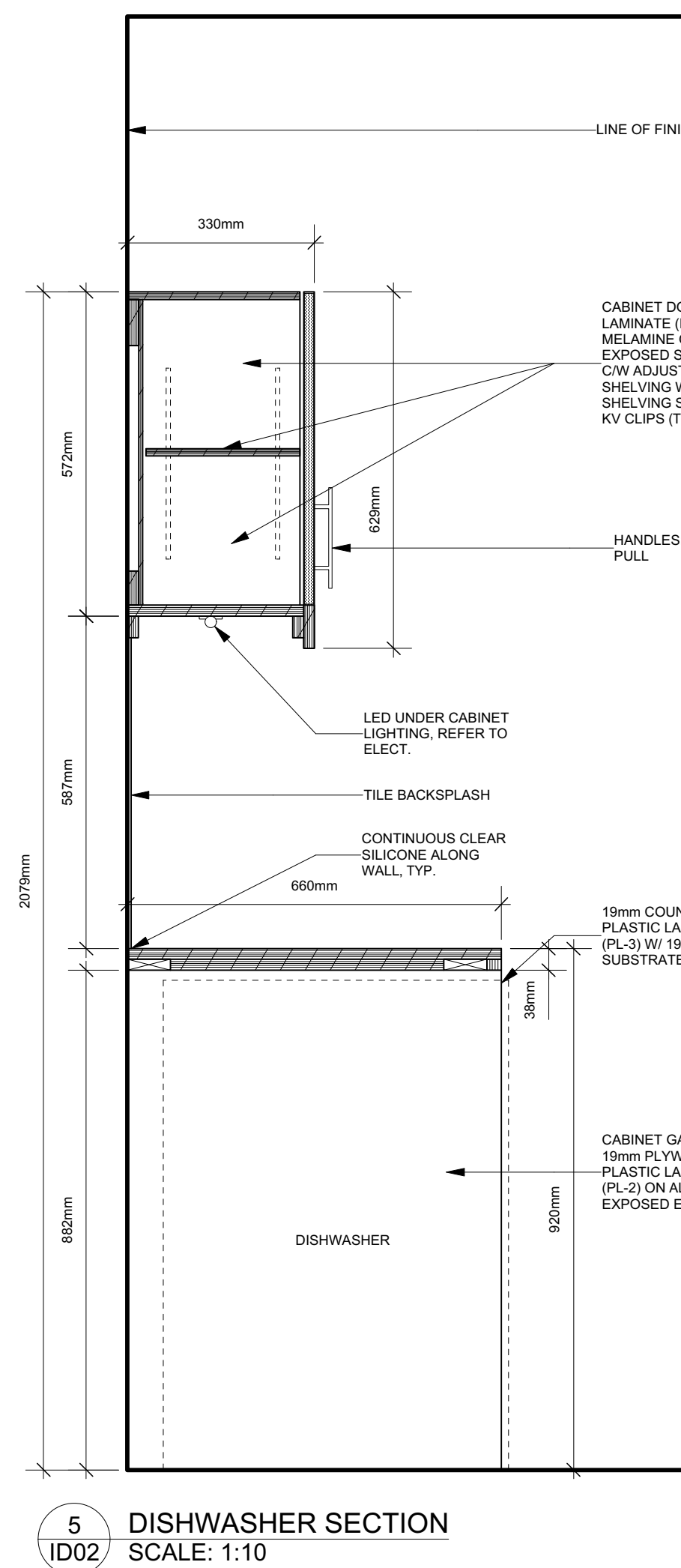
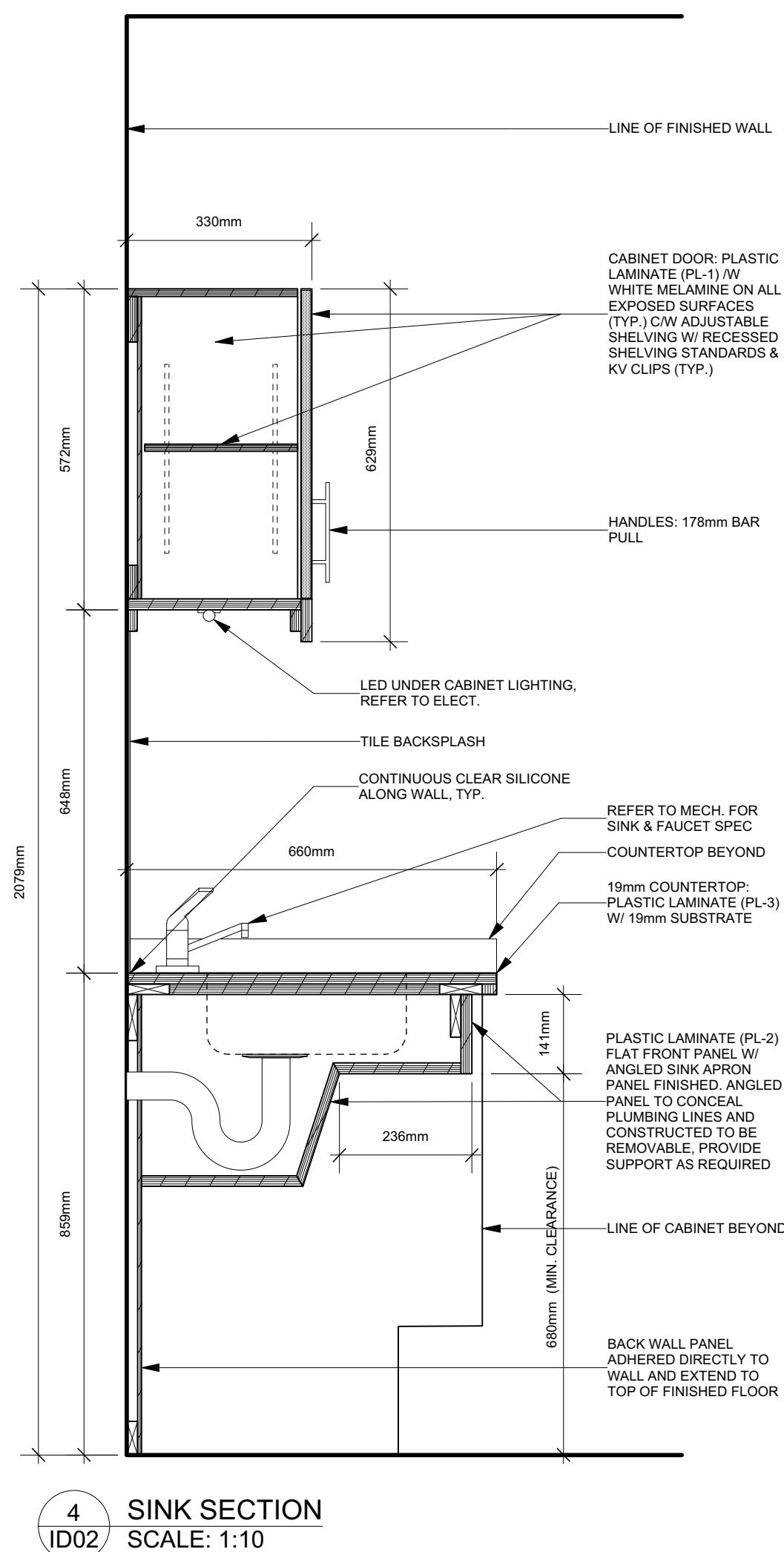
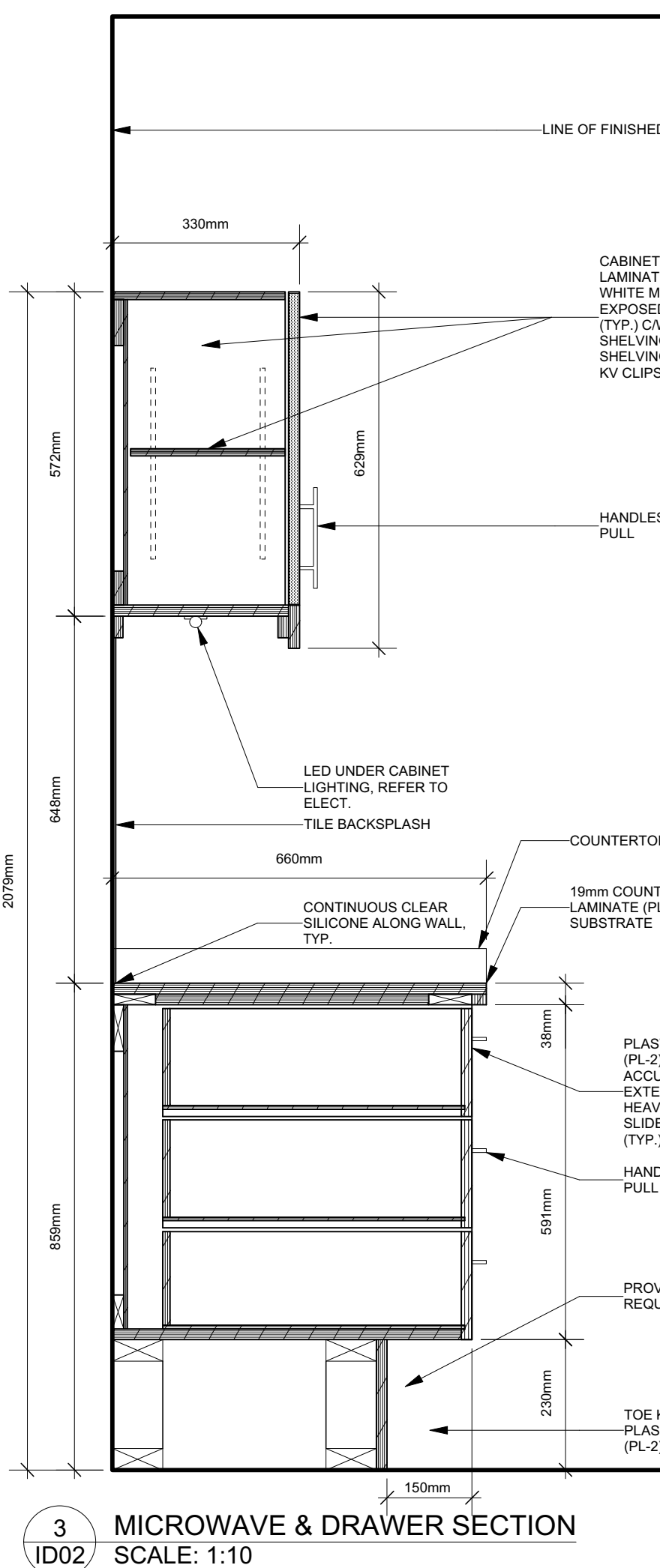
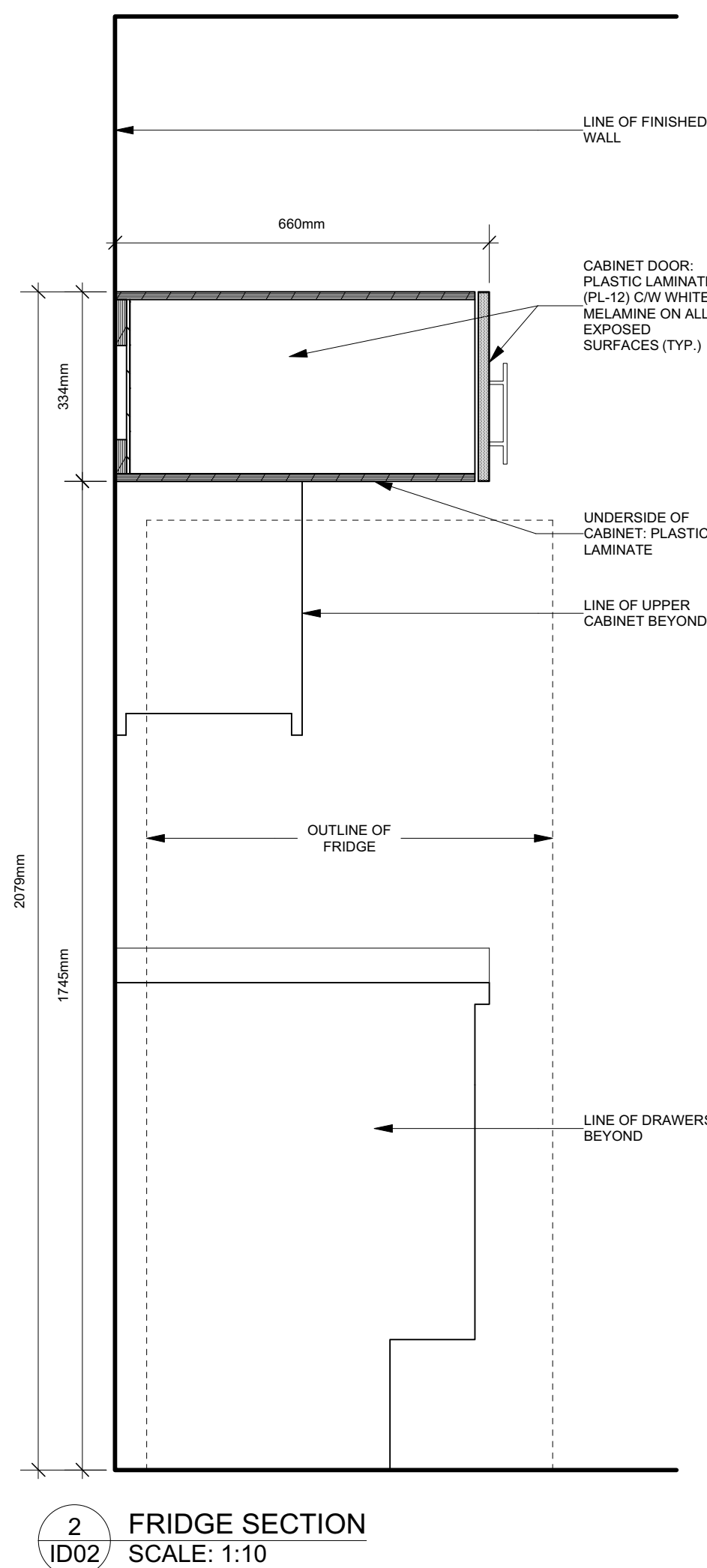
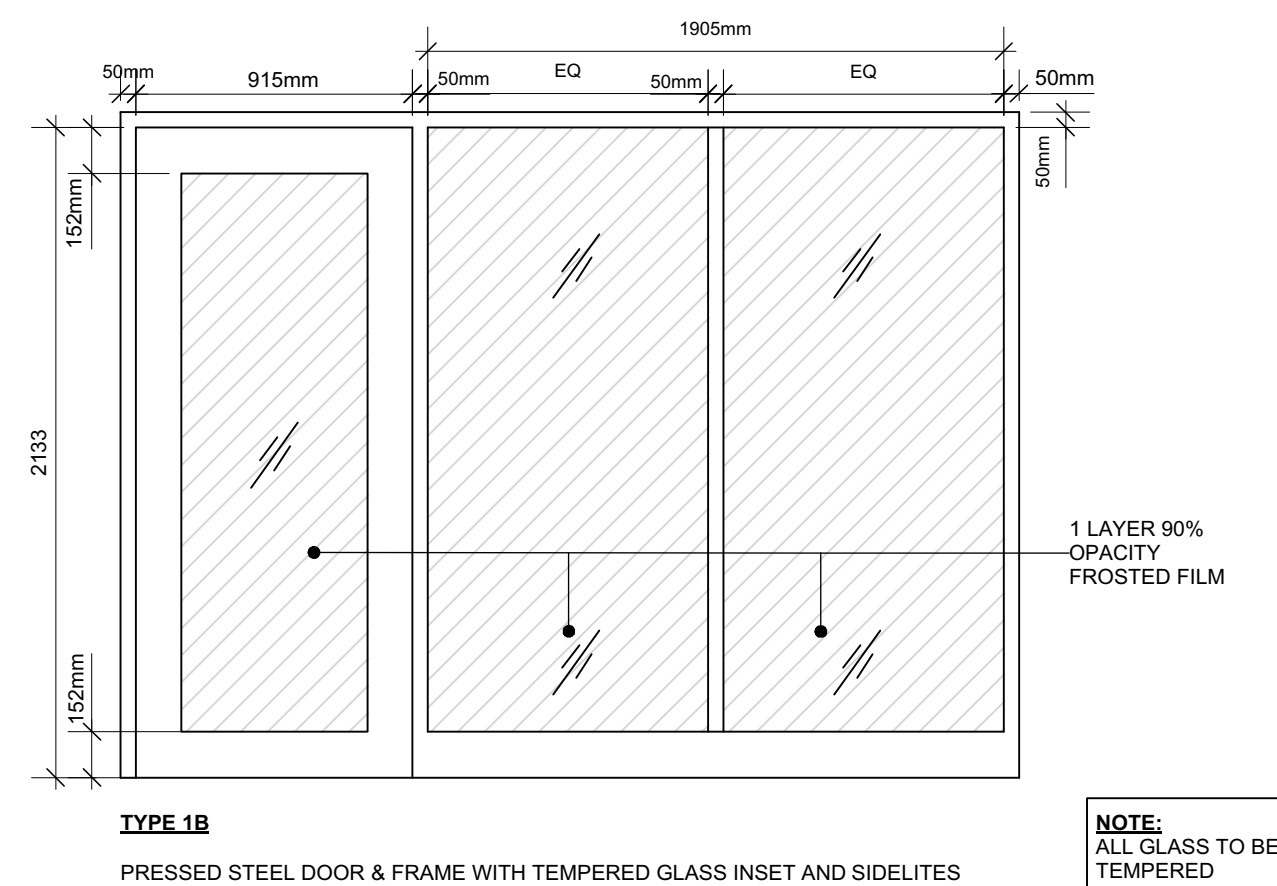
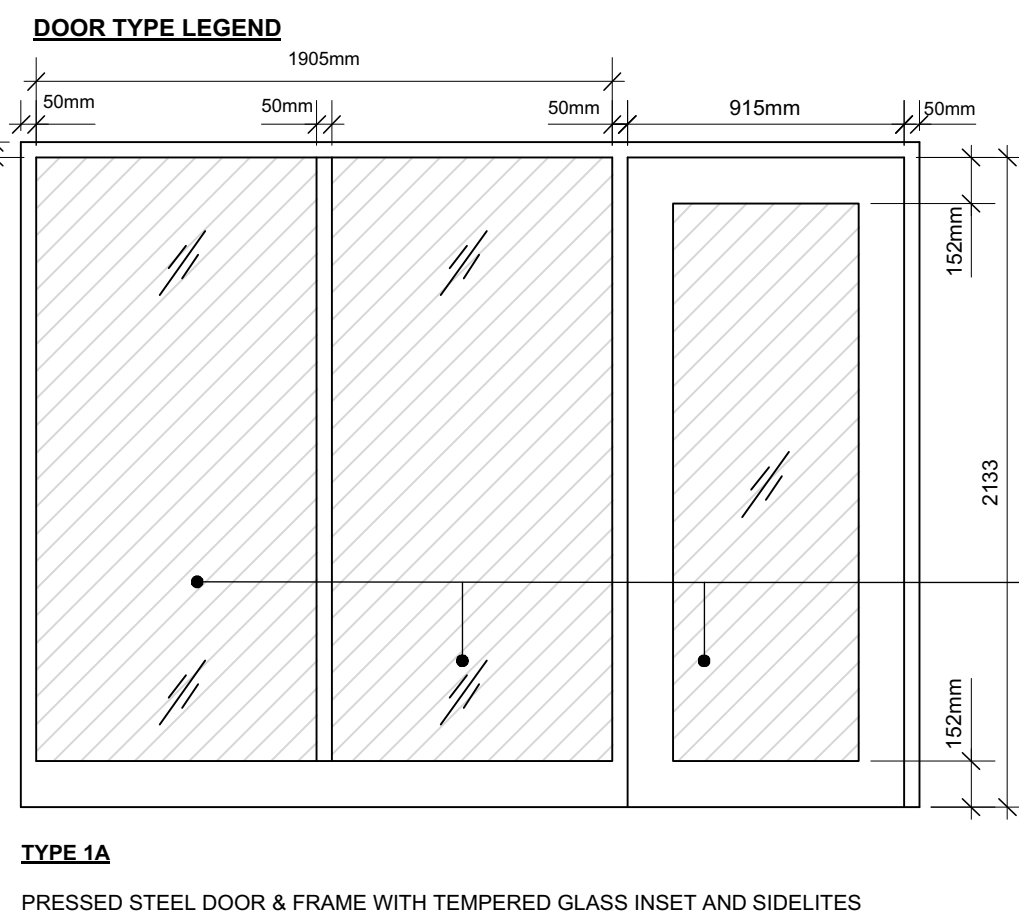
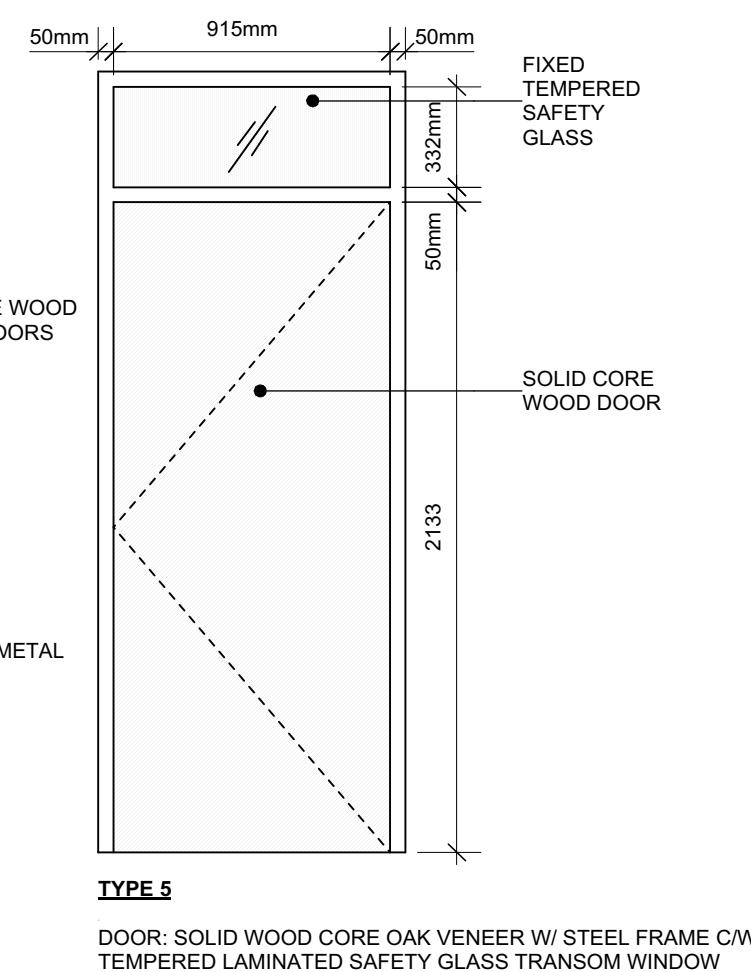
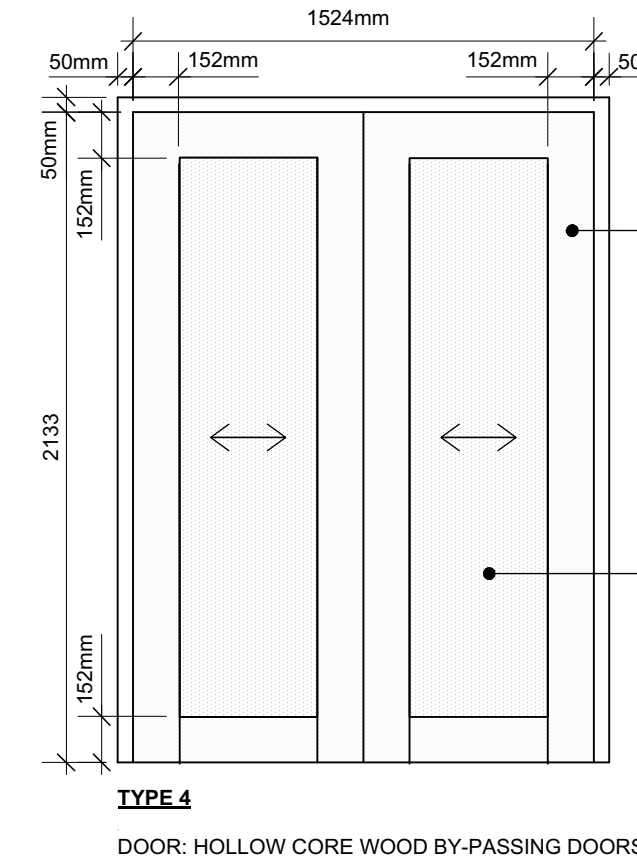
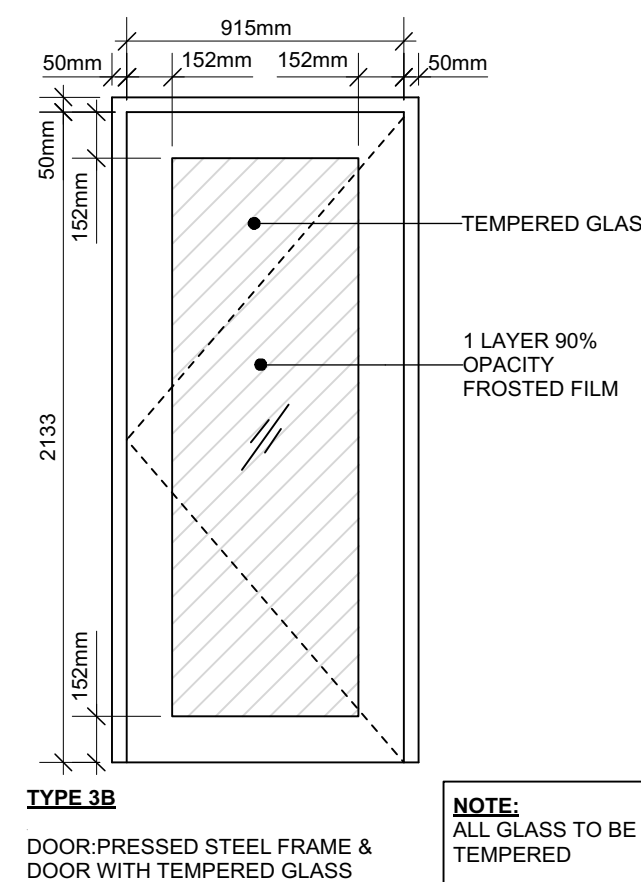
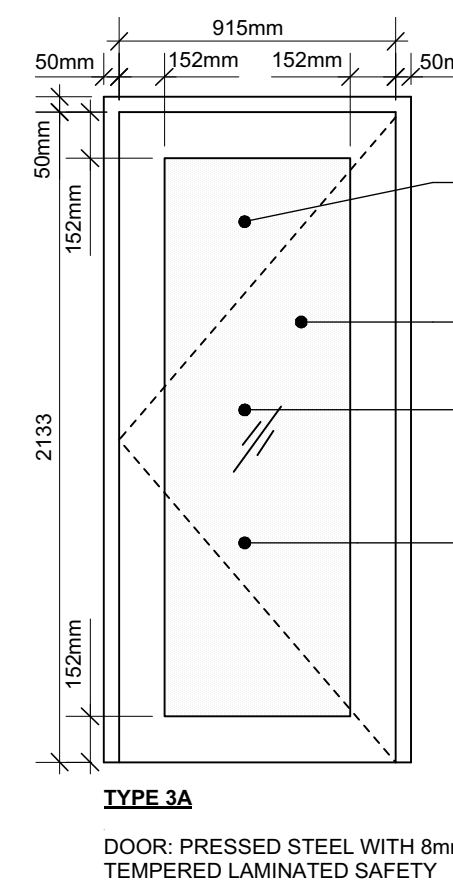
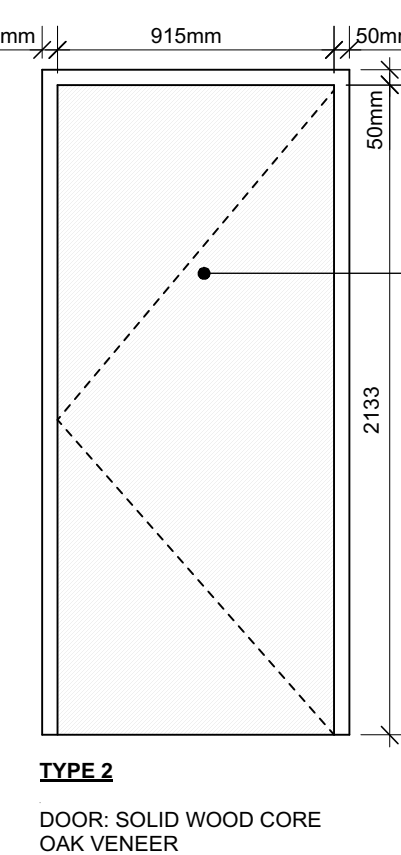
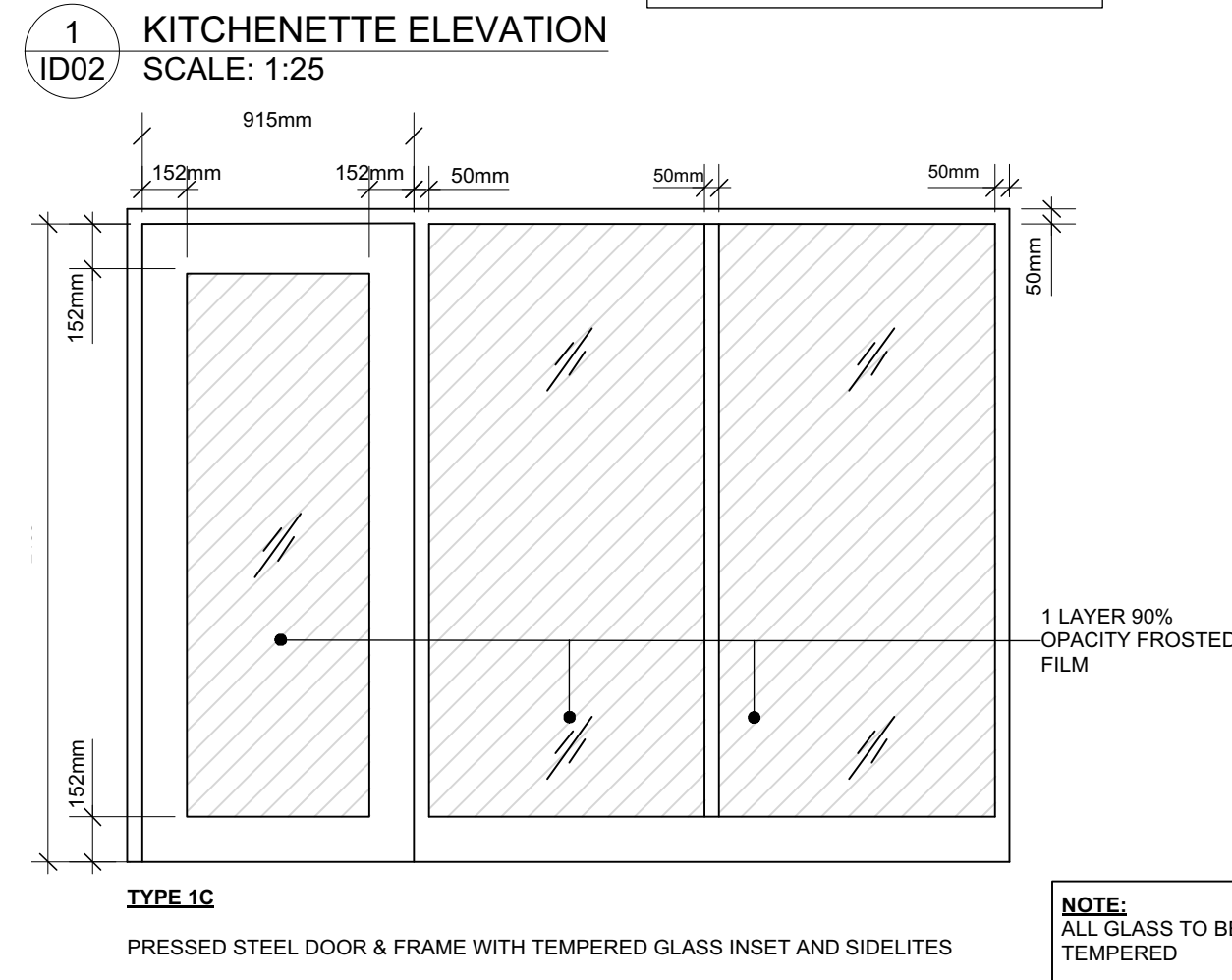
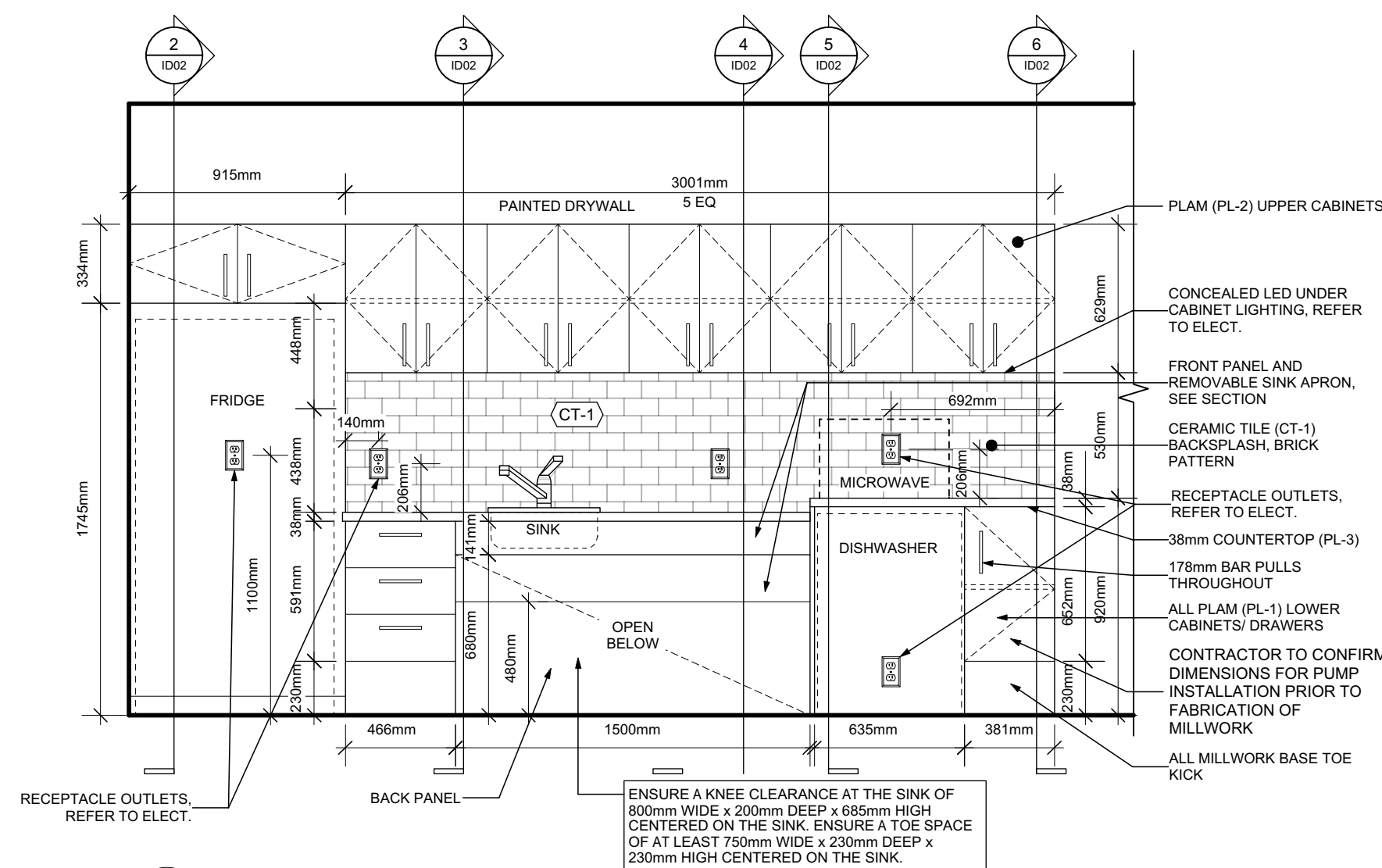


1 FINISH PLAN
SCALE: 1:100



2 FURNITURE PLAN
SCALE: 1:100

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0	ISSUED FOR CONSTRUCTION	02/17/21
Revision	Description	Date
Client		client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA		
Project title		
Project		
GLOBAL AFFAIRS CANADA (GAC) 303 MAIN STREET WINNIPEG,MB		
REGIONAL OFFICE FIT-UP		
Designed by		
Conçu par		
AJ		
Drawn by		
Dessiné par		
AJ		
Approved by		
Approuvé par		
TC		
PWGSC Project Manager		
Administrateur de Projets TPSGC		
EN		
Drawing title		
Titre du dessin		
FINISH PLAN, FURNITURE PLAN (NIC) & SCHEDULES		
Project no./No. du projet		
Drawing no./No. du dessin		
Revision no.		
R.104185	ID01	0
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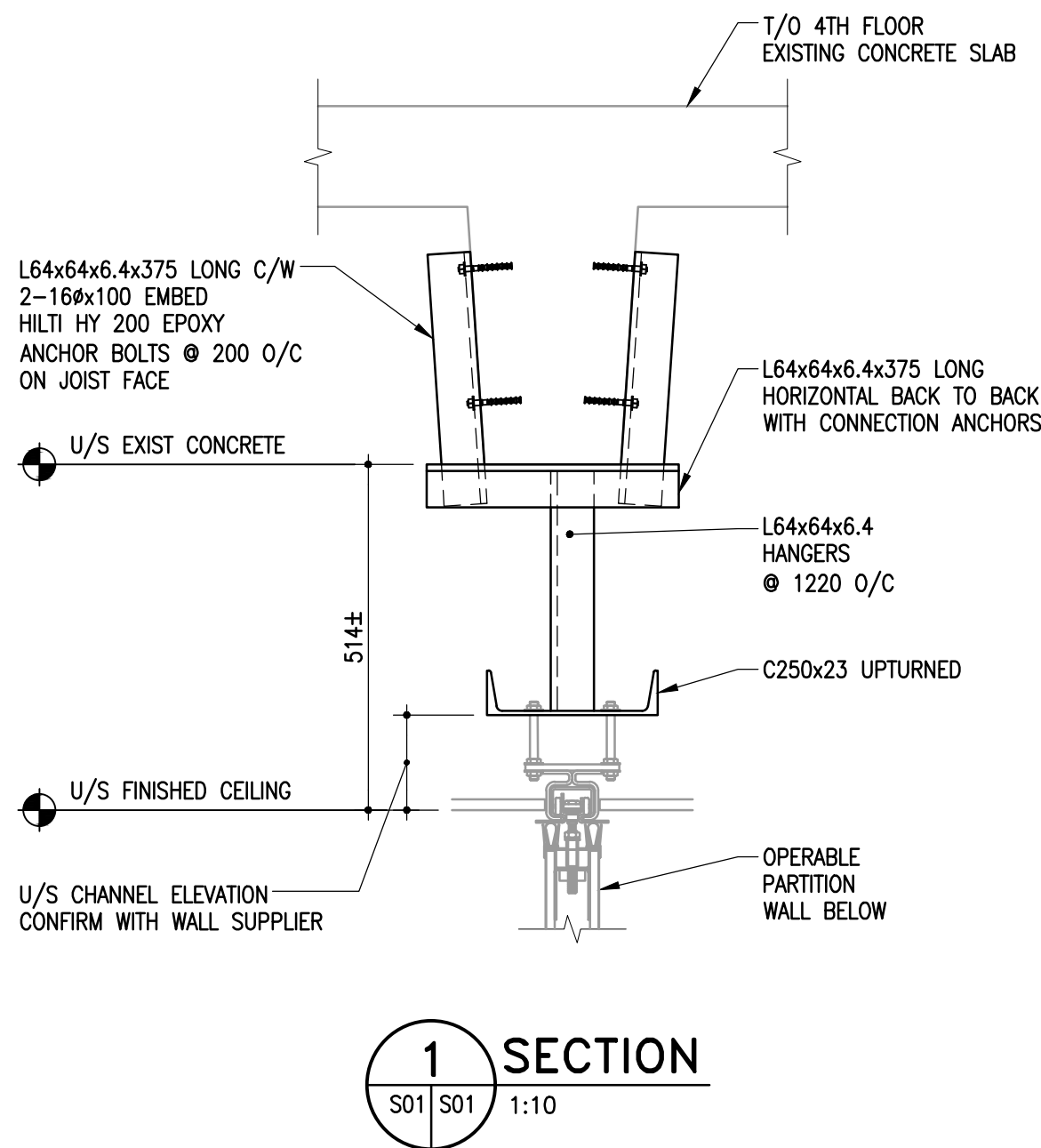
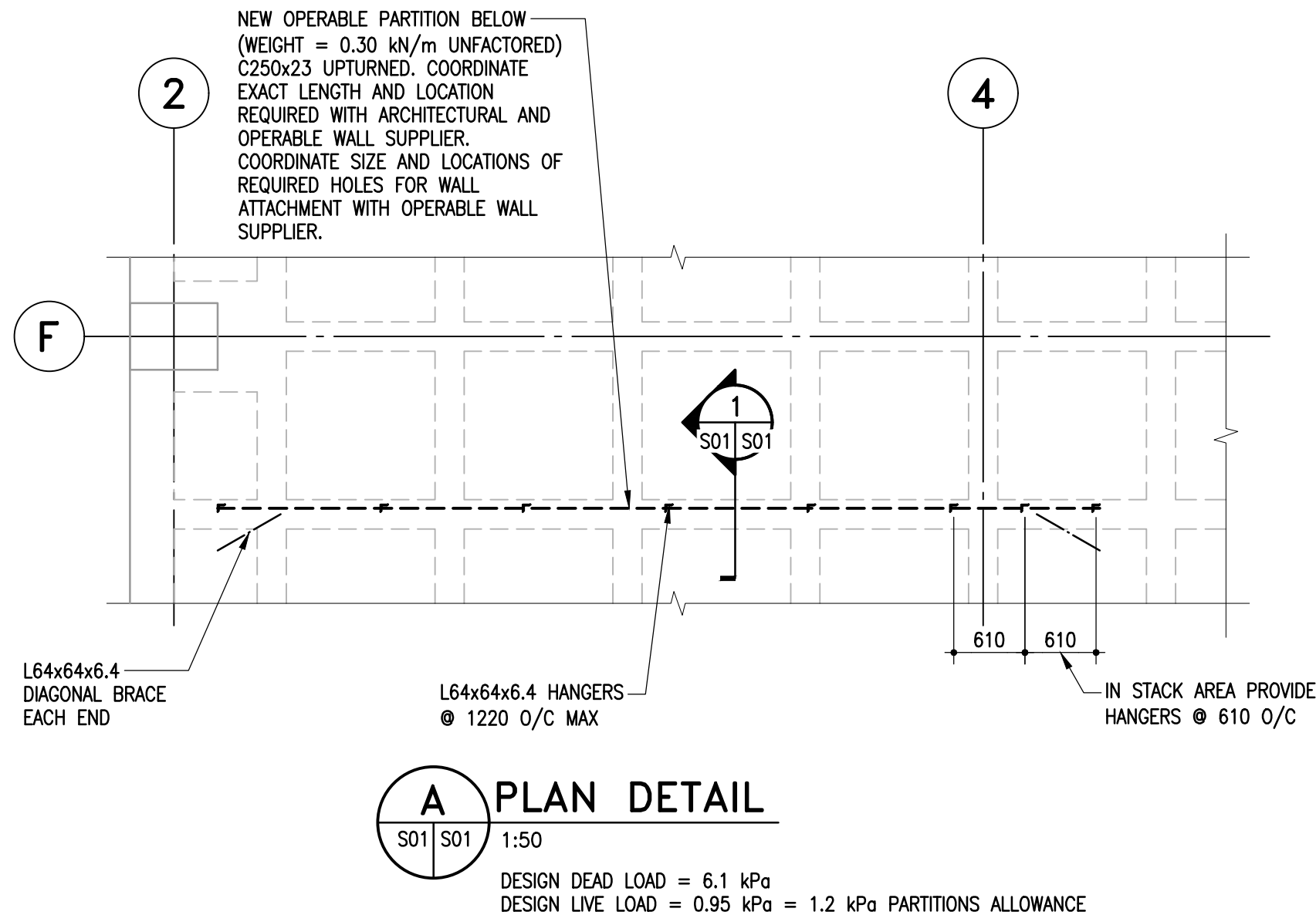
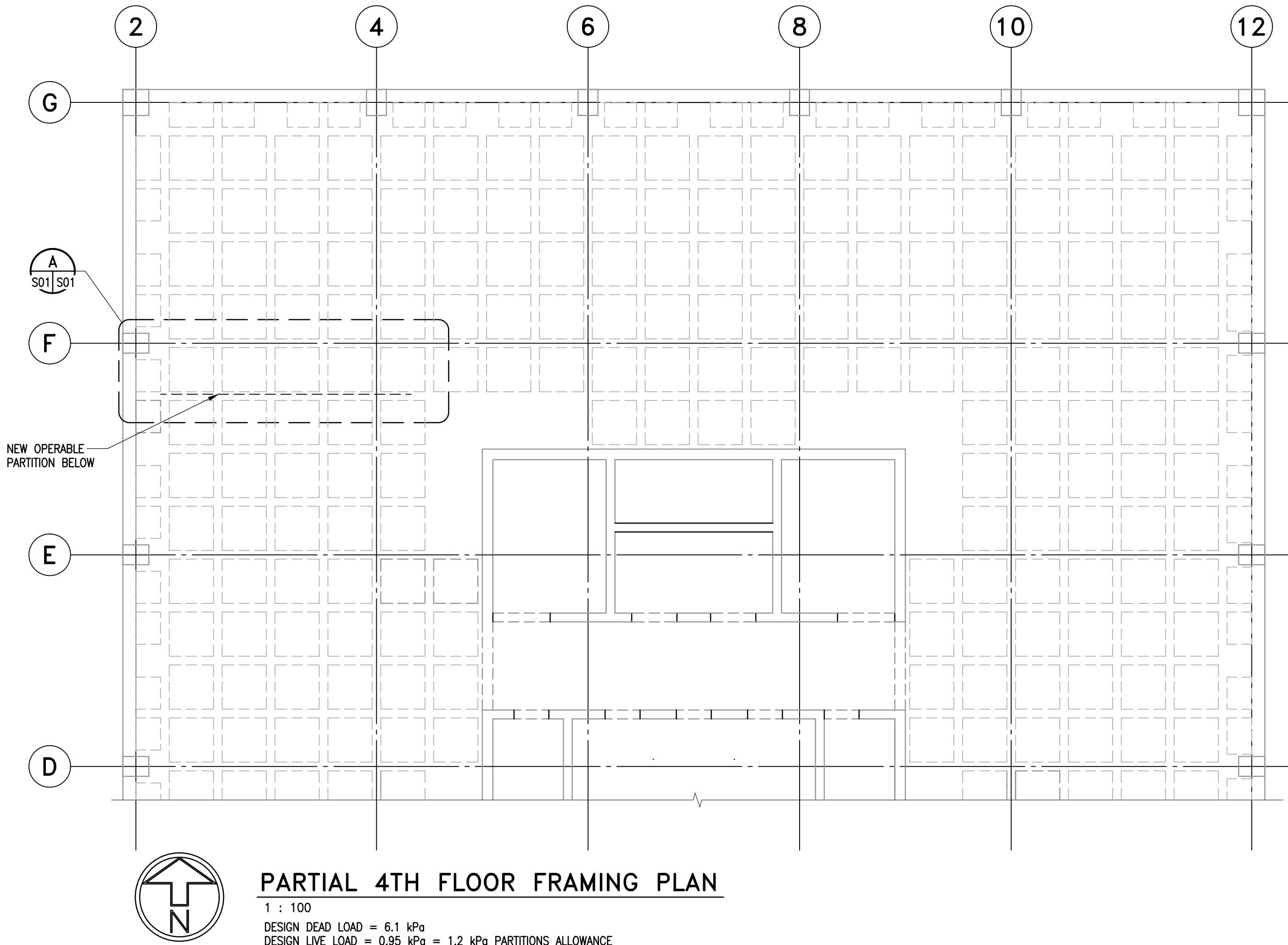


GENERAL NOTES

1. STRUCTURAL DESIGN BASED ON THE MANITOBA BUILDING CODE 2011 EDITION.
2. DO NOT SCALE DRAWINGS.
3. ALL DIMENSIONS ARE TO BE VERIFIED WITH THE ARCHITECTURAL DRAWINGS AND EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.
4. THESE STRUCTURAL DRAWINGS SHOW THE COMPLETED STRUCTURE AND DO NOT INDICATE ALL COMPONENTS NECESSARY FOR SAFETY DURING CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SAFETY ON AND AROUND THE JOBSITE DURING CONSTRUCTION.
5. THE EXISTING BUILDING SUPERSTRUCTURE AND FOUNDATION HAVE BEEN REVIEWED AND CAN SUPPORT ALL NEW LOADING CONDITIONS SHOWN ON THESE DRAWINGS IN ACCORDANCE WITH PART 4 OF THE 2011 MANITOBA BUILDING CODE, UNLESS NOTED.

STRUCTURAL STEEL

1. THE STRUCTURAL STEEL FABRICATOR'S ENGINEER SHALL BE RESPONSIBLE FOR LOCATING AND DESIGNING PROVISIONS FOR ALL TEMPORARY FALL PROTECTION SYSTEMS REQUIRED DURING CONSTRUCTION TO MEET MANITOBA WORKPLACE HEALTH AND SAFETY REGULATIONS.
2. STRUCTURAL STEEL TO CONFORM TO CSA-G40.21, "STRUCTURAL QUALITY STEELS" AND CSA-G40.20 "GENERAL REQUIREMENTS FOR ROLLED OR WELDED STRUCTURAL QUALITY STEEL", ASTM A572/A572M "STANDARD SPECIFICATION FOR HIGH-STRENGTH LOW-ALLOY COLUMBIUM-VANADIUM STRUCTURAL STEEL" OR ASTM A992/A992M "STANDARD SPECIFICATION FOR STRUCTURAL STEEL SHAPES".
3. ALL ROLLED OR STEEL STRUCTURAL SECTIONS SHALL BE G40.21-350W, ASTM A992 OR ASTM A572 GRADE 50. ALL HOLLOW STRUCTURAL SECTIONS TO BE G40.21-350W CLASS C OR ASTM A500-C. ALL ANGLES, CHANNELS AND PLATES SHALL BE G40.21-300W.
4. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE PERFORMED IN ACCORDANCE WITH CSA S16-14, "DESIGN OF STEEL STRUCTURES".
5. ALL WELDING SHALL CONFORM TO THE LATEST EDITION OF CSA W59, "WELDED STEEL CONSTRUCTION". FABRICATORS SHALL BE PROPERLY CERTIFIED IN ACCORDANCE WITH CSA W47.1, "CERTIFICATION OF COMPANIES FOR FUSION WELDING OF STEEL STRUCTURES".
6. ALL BOLTED CONNECTIONS TO USE A325 HIGH STRENGTH BOLTS. MINIMUM CONNECTION SHALL CONSIST OF 2 BOLTS.
7. ALL STRUCTURAL STEEL IS TO RECEIVE ONE COAT OF CISC/CPMA 1-73A QUICK DRYING SHOP PRIMER. STEEL TO BE CLEANED IN CONFORMANCE WITH SSPC-SF2.
8. FABRICATOR TO NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY PROPOSED MEMBER SUBSTITUTIONS AND CHANGED CONNECTION DETAILS.
9. STRUCTURAL STEEL SUPPLIER IS TO SUBMIT ENGINEERING DRAWINGS BEARING THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA COVERING THE DESIGN OF CONNECTIONS, TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW PRIOR TO FABRICATION. CONNECTION DESIGN TO INCLUDE FOR ALL ADJUSTABLE CONNECTIONS REQUIRED TO SUIT FABRICATION AND ERECTION PROCEDURES AND TOLERANCES.



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Revision	Description	Date
Client		client

GOVERNMENT SERVICES
CANADA


Project title
GLOBAL AFFAIRS CANADA (GAC)
303 MAIN STREET WINNIPEG, MB

REGIONAL OFFICE FIT-UP


Designed by BF	Conçu par
Drawn by AP	Dessiné par
Approved by BF	Approuvé par
PWGSC Project Manager EN	Administrateur de Projets TPSGC
Drawing title	Titre du dessin

PARTIAL 4TH FLOOR FRAMING PLAN
DETAIL, SECTION & GENERAL NOTES

Project no./No. du projet R.104185	Drawing no./No. du dessin S01 OF 1	Revision no. 2
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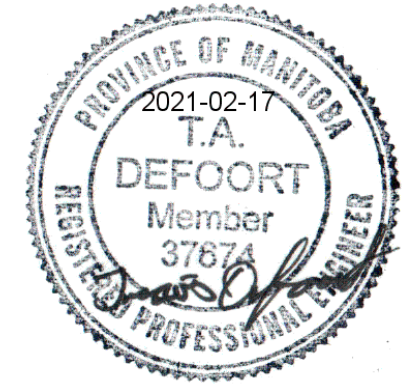


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**PUBLIC WORKS AND
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Project title

**GLOBAL AFFAIRS CANADA (GAC)
303 MAIN STREET WINNIPEG, MB**

Projet

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TD	
Drawn by	Dessiné par
DK/TD	
Approved by	Approuvé par
TD	
PWGSC Project Manager	Administrateur de Projets TPSGC
EN	
Drawing title	Titre du dessin

**THIRD FLOOR – PLUMBING
RENOVATION PLAN**

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.104185	MP2.1 OF	

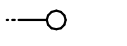
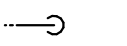
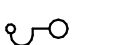
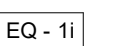
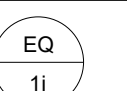
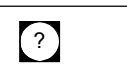
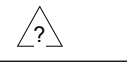
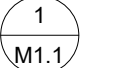
PLUMBING GENERAL NOTES

- A. FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
- B. WATER HAMMER ARRESTORS SHALL BE PROVIDED TO EACH FIXTURE GROUP.
- C. ALL PIPING SHALL BE INSULATED PER THE SPECIFICATION.
- D. THE LOCATION AND ROUTING OF PIPES SHOWS THE INTENT OF THE DESIGN. THE CONTRACTOR SHALL ALLOW FOR THE POSSIBILITY OF INTERFERENCES AND SHALL RESOLVE WITH OTHER TRADES ON SITE. ANY CHANGES TO THE DESIGN INTENT REQUIRE APPROVAL BY THE ENGINEER.
- E. ALL NEW CORING FOR PLUMBING SERVICES SHALL BE DONE BY MECHANICAL CONTRACTOR. COORDINATE WITH ALL OTHER TRADES.
- F. EACH FIXTURE GROUP SHALL HAVE A SINGLE SHUT OFF VALVE. VALVES SHALL BE FULLY ACCESSIBLE.
- G. REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION OF PLUMBING FIXTURES.
- H. THE CONTRACTOR SHALL SIZE AND COORDINATE PLUMBING VENTING WHERE NOT SHOWN ON THE DRAWINGS. REFER TO THE DRAWINGS FOR SPECIFIC LOCATIONS AND COORDINATION REQUIREMENTS.
- I. PATCH AND MAKE GOOD ALL AREAS DAMAGED BY DEMOLITION WORK TO MATCH EXISTING FINISHES. REFER TO SITE FOR FINISHES.
- J. THE INTERRUPTION OF ANY SERVICES SHALL BE COORDINATED WITH THE BUILDING OWNER AND SHALL BE KEPT TO A MINIMUM.
- K. ASBESTOS CONTAINING MATERIALS MAY BE PRESENT WITHIN WORK AREAS IN EXISTING BUILDINGS. COORDINATE ALL ABATEMENT REQUIREMENTS WITH THE BUILDING OWNER.

KEY NOTES

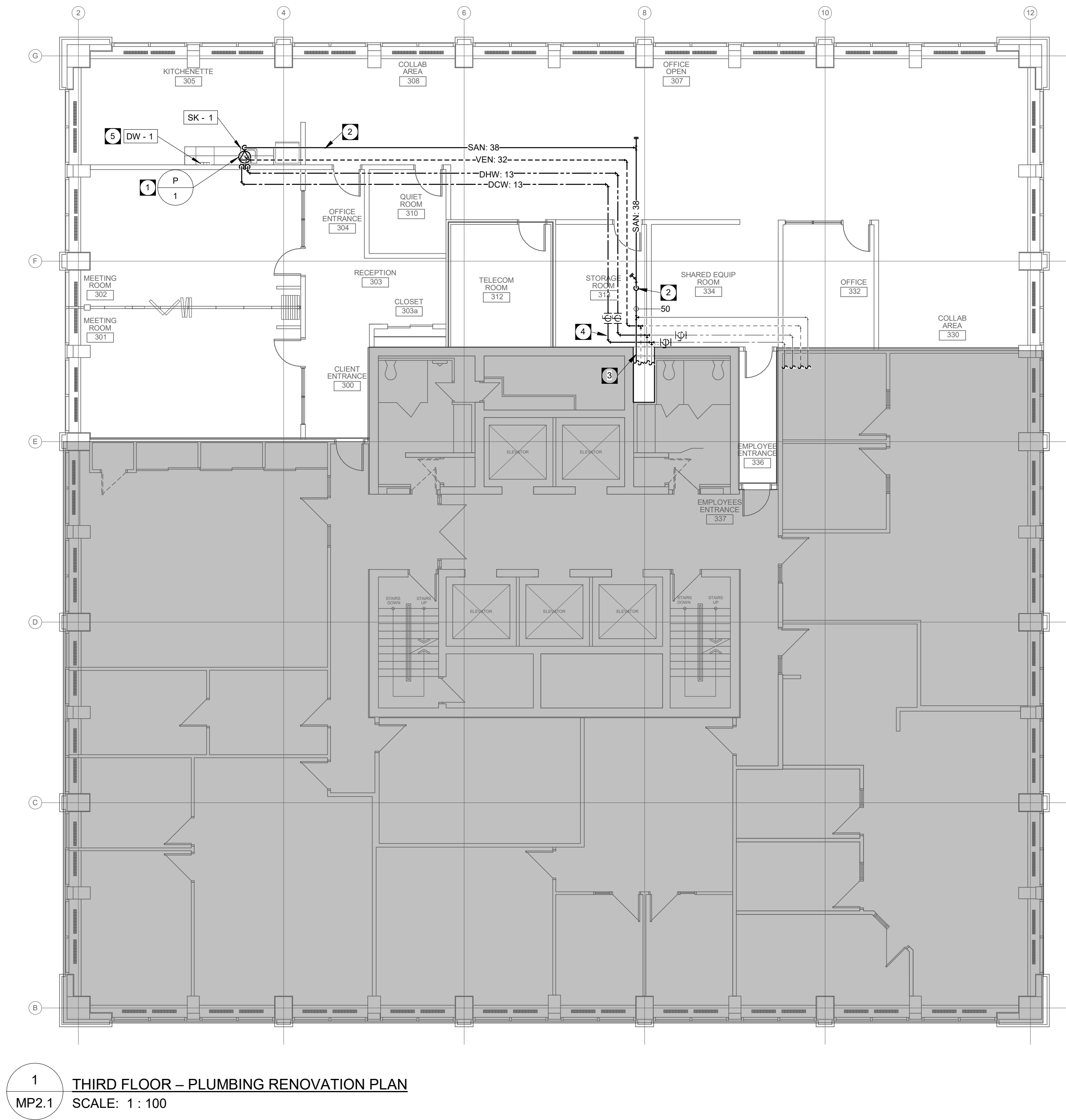
- 1 PROVIDE AN UNDER COUNTER SANITARY SUMP WITH INTEGRAL PUMP. CONNECT SANITARY AND VENT PIPING TO PUMP AS PER MANUFACTURER RECOMMENDATIONS. SANITARY AND VENT PIPING TO RISE CONCEALED WITHIN WALL TO CEILING PLENUM. SUMP IS TO BE CONNECTED TO THE EXISTING SANITARY VENT AND DRAINAGE PIPING LOCATED WITHIN THE SERVICE SHAFT AT GRIDLINE 8 AND SOUTH OF F.
- 2 SANITARY PIPING TO RISE TO HIGH LEVEL AND RUN NEAR U/S OF SLAB. ONCE PIPING HAS PASSED OVER DUCT MAIN, PIPING CAN BE GRAVITY DRAINED TO MAIN STACK. COORDINATE EXACT ROUTING ON SITE TO AVOID INTERFERENCE WITH EXISTING SERVICES AND EQUIPMENT.
- 3 DEMOLISH EXISTING SANITARY TAKE-OFF FROM SANITARY STACK WITHIN PLUMBING SHAFT TO LOCATION UPSTREAM OF EXISTING FLOOR TAKE-OFF. UPSIZE SANITARY PIPING FOR THIS DISTANCE TO BE 50 MM AND CONNECT INTO EXISTING STACK WITHIN SHAFT.
- 4 PROVIDE NEW DOMESTIC WATER SUPPLY PIPING TO FLOOR TAKE-OFFS. COMPLETE WITH WATER HAMMER ARRESTOR AND ISOLATION VALVES.
- 5 PROVIDE DOMESTIC WATER AND SANITARY CONNECTIONS TO OWNER SUPPLIED DISHWASHER.

PLUMBING SYMBOLS

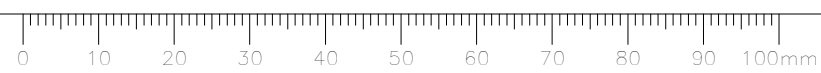
	PIPE RISE
	PIPE DROP
	TRAP
	FIXTURE TAG
	EQUIPMENT TAG
	KEY NOTE
	DEMOLITION NOTE
	DRAWING HEADER

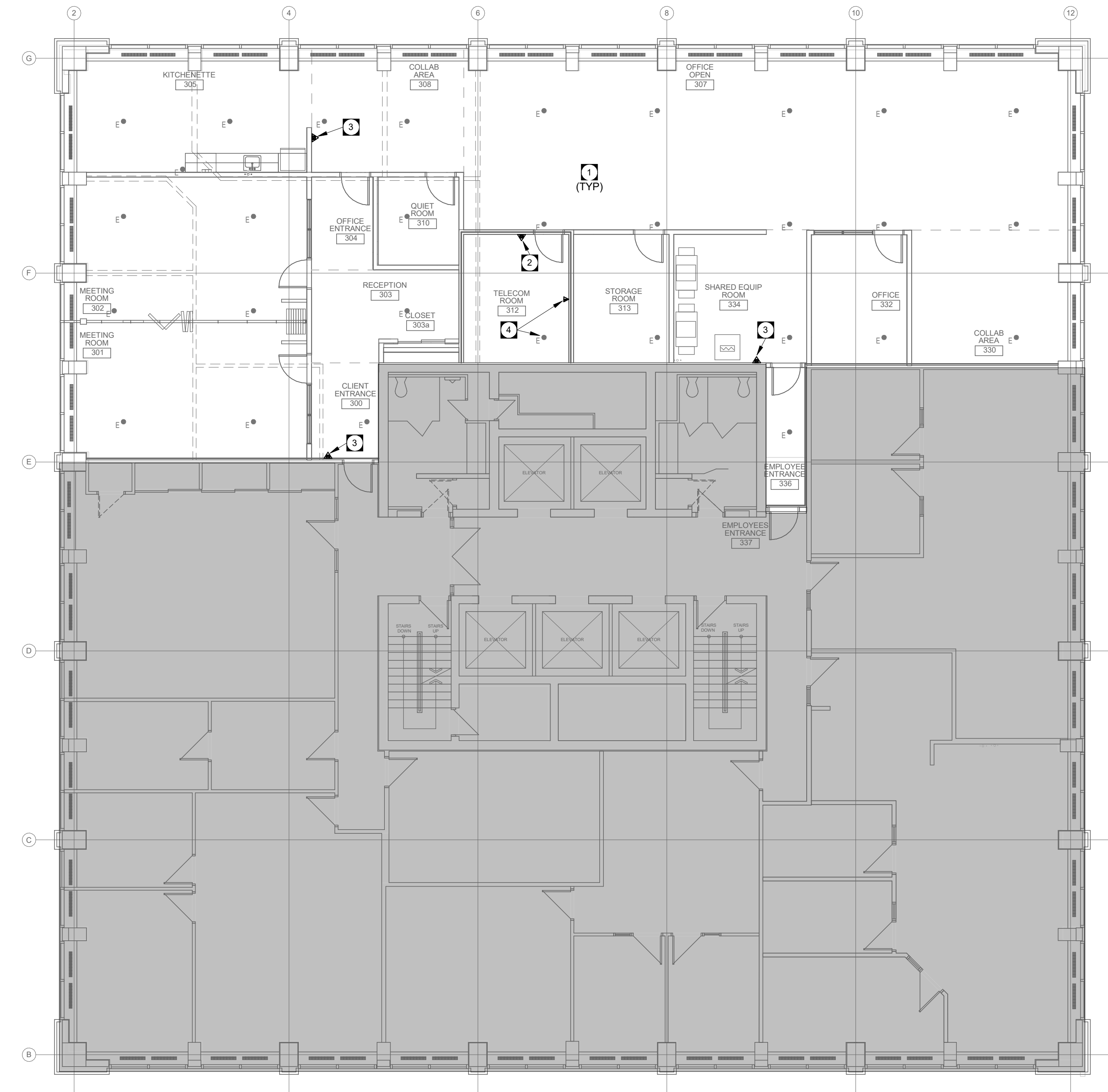
MECHANICAL DRAWINGS

- PLUMBING DRAWINGS
MP2.1 THIRD FLOOR – PLUMBING RENOVATION PLAN
- FIRE PROTECTION DRAWINGS
MF2.1 THIRD FLOOR – FIRE PROTECTION RENOVATION PLAN
- HVAC DRAWINGS
MH2.1 THIRD FLOOR – HVAC DEMOLITION PLAN
MH2.2 THIRD FLOOR – HVAC RENOVATION PLAN
- SCHEDULES
M7.1 DETAILS
M7.2 DETAILS & SCHEDULES



1 **THIRD FLOOR – PLUMBING RENOVATION PLAN**
MP2.1 SCALE: 1 : 100





1
MF2.1

THIRD FLOOR – FIRE PROTECTION RENOVATION PLAN
SCALE: 1 : 100

FIRE PROTECTION GENERAL NOTES

- A. THE SPRINKLER CONTRACTOR SHALL MODIFY AND EXTEND EXISTING SPRINKLER SYSTEM AS NOTED ON THE DRAWINGS AND SPECIFICATIONS TO PROVIDE A FULLY FUNCTIONAL SYSTEM MEETING NFPA REQUIREMENTS.
- B. THE SPRINKLER CONTRACTOR SHALL PREPARE ALL NECESSARY DETAILED DESIGN DRAWINGS AND/OR DOCUMENTS AND SUBMIT TO THE ENGINEER FOR REVIEW AND COORDINATION. ENSURE COMPLETE SPRINKLER COVERAGE IN COMPLIANCE WITH NFPA 13 & NFPA 14, AND RELATED APPLICABLE NFPA CODES.
- C. THIS SET OF CONTRACT DOCUMENTS INCLUDES PROJECT-SPECIFIC REQUIREMENTS NOTED IN THE DRAWINGS AND SPECIFICATIONS THAT MAY EXCEED MINIMUM REQUIREMENTS OF THE NFPA CODES. THESE ITEMS HAVE BEEN COORDINATED WITH THE ARCHITECT AND OWNER, AND SHALL BE INCLUDED IN THE CONTRACTOR'S WORK AND ON THE SPRINKLER CONTRACTOR'S DETAILED DRAWINGS.
- D. THE INSTALLATION OF SPRINKLER SYSTEMS SHALL NOT COMMENCE UNTIL THE COMPLETE SHOP DRAWINGS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.).
- E. THE SPRINKLER INSTALLATION SHALL COMPLY WITH THE APPLICABLE NFPA CODES AND REQUIREMENTS OF THE A.H.J. IF THERE IS A CONFLICT WITH THE PERCEIVED INTENT OF THIS DRAWING SET AND THE REQUIREMENTS OF NFPA OR THE A.H.J., NOTIFY THE ENGINEER TO RESOLVE. NO INCREASES TO THE CONTRACT WILL BE PERMITTED FOR COMPLIANCE WITH MINIMUM CODE REQUIREMENTS.
- F. IN AREAS WITH SUSPENDED TILE CEILINGS INSTALL SPRINKLER HEADS CENTRED ON THE TILES. ALLOW FOR ADDITIONAL HEADS IF NECESSARY TO MEET THIS REQUIREMENT.
- G. ADDITIONAL SPRINKLER HEADS SHALL BE INSTALLED UNDER DUCTS MORE THAN 1200mm (48") WIDE.
- H. THE SPRINKLER CONTRACTOR SHALL CONFIRM ON SITE THE LOCATIONS OF EXISTING STRUCTURES, EQUIPMENT, AND SYSTEMS FOR INTERFERENCE AND COORDINATION PURPOSES. INCLUDE ALL OFFSETS. ADDITIONAL LOW-POINT DRAINS, ADDITIONAL HEADS AS REQUIRED. ROUTE BRANCH LINES AS REQUIRED.
- I. GRADE ALL NEW PIPING TO ALLOW COMPLETE SYSTEM DRAINAGE. DRAINAGE SHALL BE ROUTED TO THE NEAREST SANITARY DRAIN OF SUFFICIENT SIZE. COORDINATE WITH PLUMBING CONTRACTOR. DRAINAGE TO STORM DRAINAGE PIPING OR SUMP PITS IS NOT PERMITTED.
- J. FIRESTOP ALL NEW AND EXISTING PENETRATIONS.
- K. THE SPRINKLER PIPING SYSTEMS SHALL BE SIZED BASED ON EXISTING FIRE PUMPS.
- L. PROVIDE TEMPORARY COVERS OR GUARDS ON EXISTING SPRINKLER HEADS AS REQUIRED DURING CONSTRUCTION TO MAINTAIN INTEGRITY AND MITIGATE DAMAGE TO SPRINKLER HEADS.

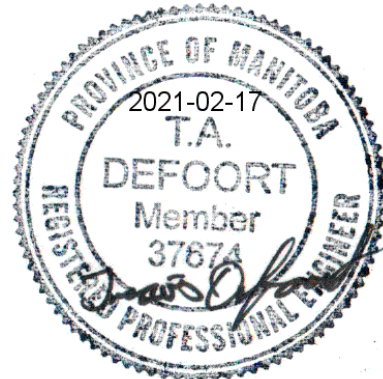
KEY NOTES

1. REVISE EXISTING SPRINKLER HEAD SPACING AS REQUIRED TO SUIT NEW LAYOUT. ADD/REMOVE HEADS AS NEEDED TO PROVIDE PROPER COVERAGE TO NFPA STANDARDS. EXTEND/MODIFY EXISTING PIPING AND DROPS AS REQUIRED. SPRINKLER HEADS TO BE INSTALLED WITHIN CENTER OF CEILING TILE. REFER TO ARCHITECTURAL CEILING PLANS FOR COORDINATION. HEAD LOCATIONS SHOWN ARE APPROXIMATE, REFER TO EXISTING CONDITIONS FOR ACTUAL LAYOUT AND QUANTITY.
2. PROVIDE NEW CARBON DIOXIDE FIRE EXTINGUISHER ON WALL. REFER TO SPECIFICATIONS FOR REQUIREMENTS. COORDINATE EXACT LOCATION OF FIRE EXTINGUISHER ON SITE WITH DEPARTMENTAL REPRESENTATIVE.
3. PROVIDE MULTI-PURPOSE DRY CHEMICAL FIRE EXTINGUISHER ON WALL. REUSE EXISTING EXTINGUISHER (X1). PROVIDE NEW FOR OTHER LOCATIONS. EXTINGUISHERS SHALL BE NO MORE THAN 22.5M APART. REFER TO SPECIFICATIONS FOR REQUIREMENTS. COORDINATE EXACT LOCATION OF FIRE EXTINGUISHER ON SITE WITH DEPARTMENTAL REPRESENTATIVE.
4. MODIFY/EXTEND EXISTING SPRINKLER SYSTEM WITHIN TELECOM ROOM TO REMOVE ALL WET PIPING FROM WITHIN SPACE. ALL EXISTING PIPING PASSING THROUGH SPACE SHALL BE REROUTED AS REQUIRED. PROVIDE NEW CONCEALED SIDEWALL HEAD. PROVIDE ADDITIONAL HEADS TO PROVIDE COVERAGE ABOVE AND BELOW OBSTRUCTIONS AS PER NFPA 13 REQUIREMENTS.

SPRINKLER SYMBOLS

●	PENDENT SPRINKLER
▶	CONCEALED SIDEWALL SPRINKLER
	LIGHT HAZARD

* REFER TO SPRINKLER COVERAGE SCHEDULE FOR HAZARD LEVEL.



0	ISSUED FOR CONSTRUCTION	21-02-17
Revision	Description	Date
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**GLOBAL AFFAIRS CANADA (GAC)
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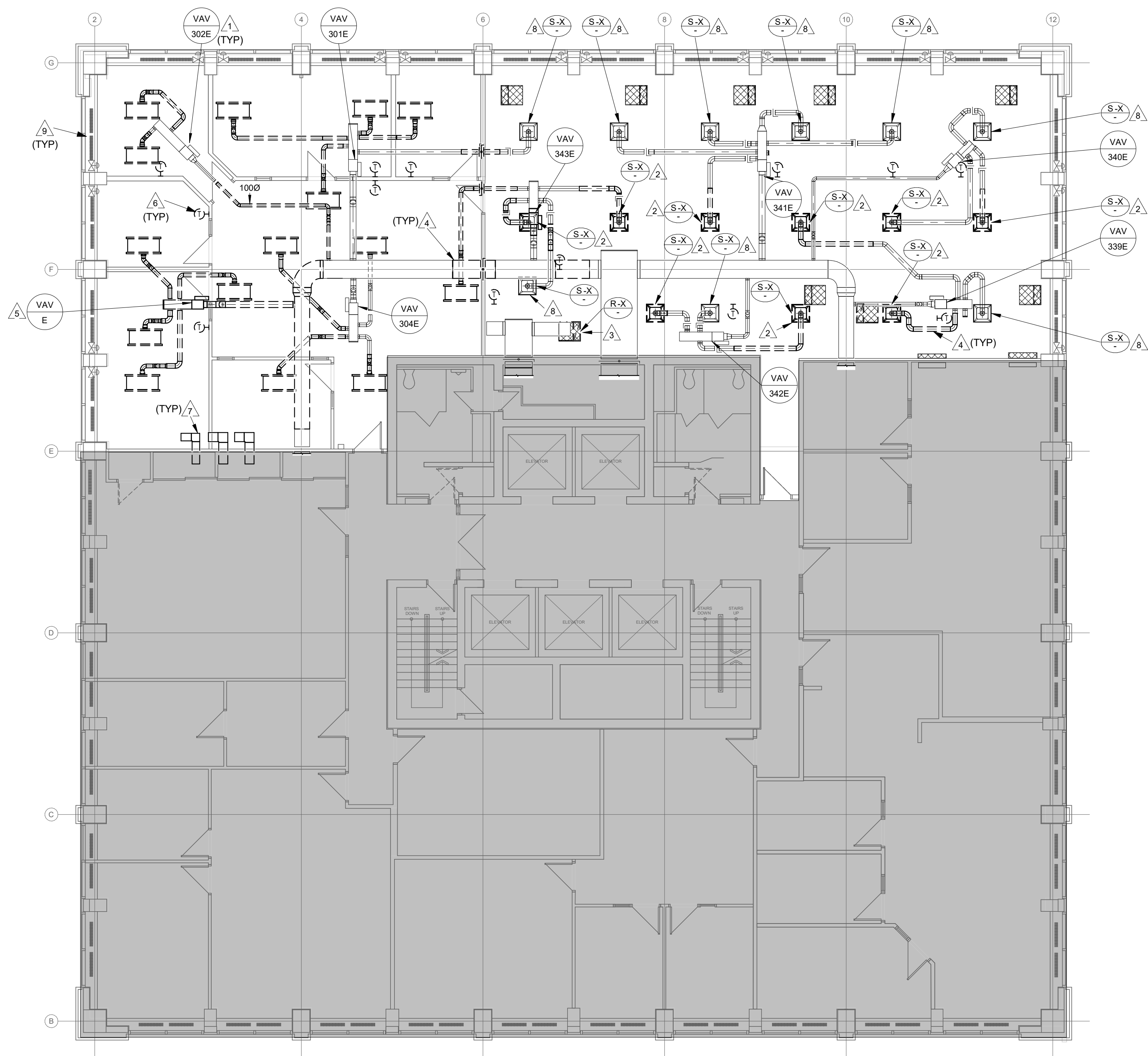
PWGSC Project Manager
EN

Administrateur de Projets TPSGC

Drawing title
**THIRD FLOOR – FIRE PROTECTION
RENOVATION PLAN**

Titre du dessin

Project no./No. du projet R.104185	Drawing no./No. du dessin MF2.1 OF	Revision no.
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1 THIRD FLOOR – HVAC DEMOLITION PLAN
MH2.1 SCALE: 1 : 100

DEMOLITION GENERAL NOTES

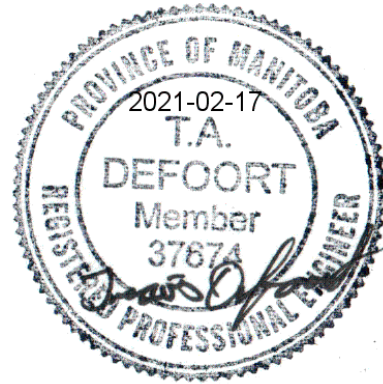
- CONFORM TO APPLICABLE CODE FOR DEMOLITION WORK, DUST CONTROL, PRODUCTS REQUIRING ELECTRICAL DISCONNECTION OR RECONNECTION.
- CONFORM TO APPLICABLE REGULATORY PROCEDURES WHEN DISCOVERING HAZARDOUS OR CONTAMINATED MATERIALS.
- PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS WHERE NEEDED TO CONTAIN CONSTRUCTION DEBRIS AND DUST. PROVIDE A MINIMUM MERV 8 FILTRATION ON EXISTING INLETS AND RETURN AIR DUCTS AND SYSTEMS.
- PROTECT EXISTING MATERIALS, EQUIPMENT, AND SYSTEMS WHICH ARE NOT TO BE DEMOLISHED.
- CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE WITH OCCUPIED BUILDING AREAS.
- DISCONNECT, REMOVE, CAP, AND IDENTIFY DESIGNATED UTILITIES WITHIN DEMOLITION AREAS.
- REMOVE, CUT, AND PATCH WORK IN A MANNER TO MINIMIZE DAMAGE AND TO PROVIDE MEANS OF RESTORING SYSTEMS TO ORIGINAL CONDITION.
- CAREFULLY DISMANTLE EXISTING MECHANICAL EQUIPMENT TO BE REMOVED OR RELOCATED. TEMPORARILY DISCONNECT, REMOVE, AND REINSTALL EXISTING EQUIPMENT, PIPING, DUCTWORK, CONDUIT, LIGHT FIXTURES, AND SIMILAR ITEMS, WHICH INTERFERE WITH THE NEW INSTALLATION AFTER COMPLETION OF NEW WORK OR OF EXISTING INSTALLATIONS TO BE DEMOLISHED. STORE EQUIPMENT AND MATERIALS ON THE PREMISES AS DIRECTED BY THE OWNER.
- DEMOLISH IN AN ORDERLY AND CAREFUL MANNER. REMOVE DEMOLISHED MATERIALS FROM SITE EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE. UPON COMPLETION OF WORK, LEAVE AREAS IN CLEAN CONDITION.
- ALL USABLE SALVAGED EQUIPMENT AND MATERIALS SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS SPECIFICALLY NOTED OTHERWISE.
- FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES WHERE PIPES OR DUCTS WERE REMOVED. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
- THE ABANDONMENT OF EXISTING EQUIPMENT AND MATERIAL IN PLACE IS NOT ACCEPTABLE. ALL REDUNDANT SERVICES ARE TO BE REMOVED BACK TO ACTIVE MAINS, WHICH SHALL THEN BE CAPPED AT EXISTING POINT OF CONNECTION.

KEY NOTES

- ALL VAV BOXES ON THE PLANS SHOWN TO BE PRE-TESTED BY CONTRACTOR TO ENSURE APPROPRIATE FUNCTIONALITY OF ALL COMPONENTS. REPORT ANY NON-FUNCTIONAL VAV BOXES TO GENERAL CONTRACTOR IMMEDIATELY. COMMENCEMENT OF NEW MECHANICAL WORK WILL NOT START UNTIL ALL EXISTING CONDITIONS CONFIRMED IN WRITTEN REPORT.
- REMOVE EXISTING DIFFUSER AND STORE IN A SAFE DRY LOCATION. DIFFUSER TO BE REINSTALLED DURING RENOVATION PHASE, REFER TO RENOVATION DRAWINGS FOR LOCATIONS.
- REMOVE EXISTING GRILLE AND DUCTWORK AND STORE IN A SAFE DRY LOCATION. REFER TO RENOVATION PLAN FOR REINSTALL LOCATION.
- DEMOLISH PORTION OF DUCTING AS SHOWN.
- REMOVE EXISTING VAV UNIT. DISCONNECT THERMOSTAT AND RETAIN FOR REUSE IN RENOVATION. ALL PNEUMATIC TUBING NO LONGER REQUIRED SHALL BE DEMOLISHED BACK TO ACTIVE MAIN AND CAPPED.
- REMOVE EXISTING THERMOSTATS AND RETAIN FOR REUSE IN RENOVATION. PULL PNEUMATIC TUBING BACK TO CEILING SPACE FOR DURATION OF CONSTRUCTION.
- DEMOLISH EXISTING TRANSFER AIR ELBOWS. COORDINATE INFILL OF DEMISING WALL WITH GENERAL CONTRACTOR.
- EXISTING DIFFUSER TO REMAIN FOR REUSE IN RENOVATION. REBALANCE DIFFUSER TO RATES SHOWN ON RENOVATION PLANS.
- EXISTING PERIMETER CONVECTION UNITS TO REMAIN FOR REUSE IN RENOVATION. CONTRACTOR TO CONFIRM OPERATION OF UNITS AND REPORT ANY DEFICIENCIES TO DEPARTMENTAL REPRESENTATIVE PRIOR TO COMMENCEMENT OF NEW MECHANICAL WORK.

HVAC LEGEND

	SUPPLY AIR/OUTSIDE AIR DUCT RISER
	RETURN AIR/EXHAUST AIR DUCT RISER
	MANUAL BALANCING DAMPER
	TURNING VANES
	ACOUSTIC INSULATION
	DIFFUSER TAG / GRILLE TAG
	EQUIPMENT TAG
	KEY NOTE
	DEMOLITION NOTE
	THERMOSTAT - PNEUMATIC
	THERMOSTAT - LOW VOLTAGE



0	ISSUED FOR CONSTRUCTION	21-02-17
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Designed by Conçu par

TD

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DKJS

Approved by Approuvé par

TD

PWGSC Project Manager Administrateur de Projets TPSGC

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Drawing title Titre du dessin

THIRD FLOOR – HVAC DEMOLITION
PLAN

Project no./No. du projet

R.104185

Drawing no./No. du dessin

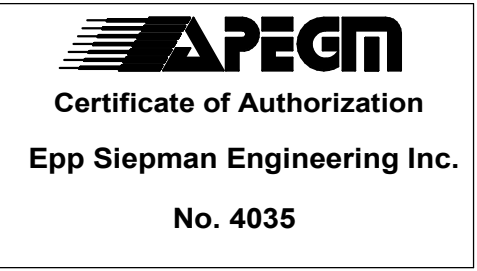
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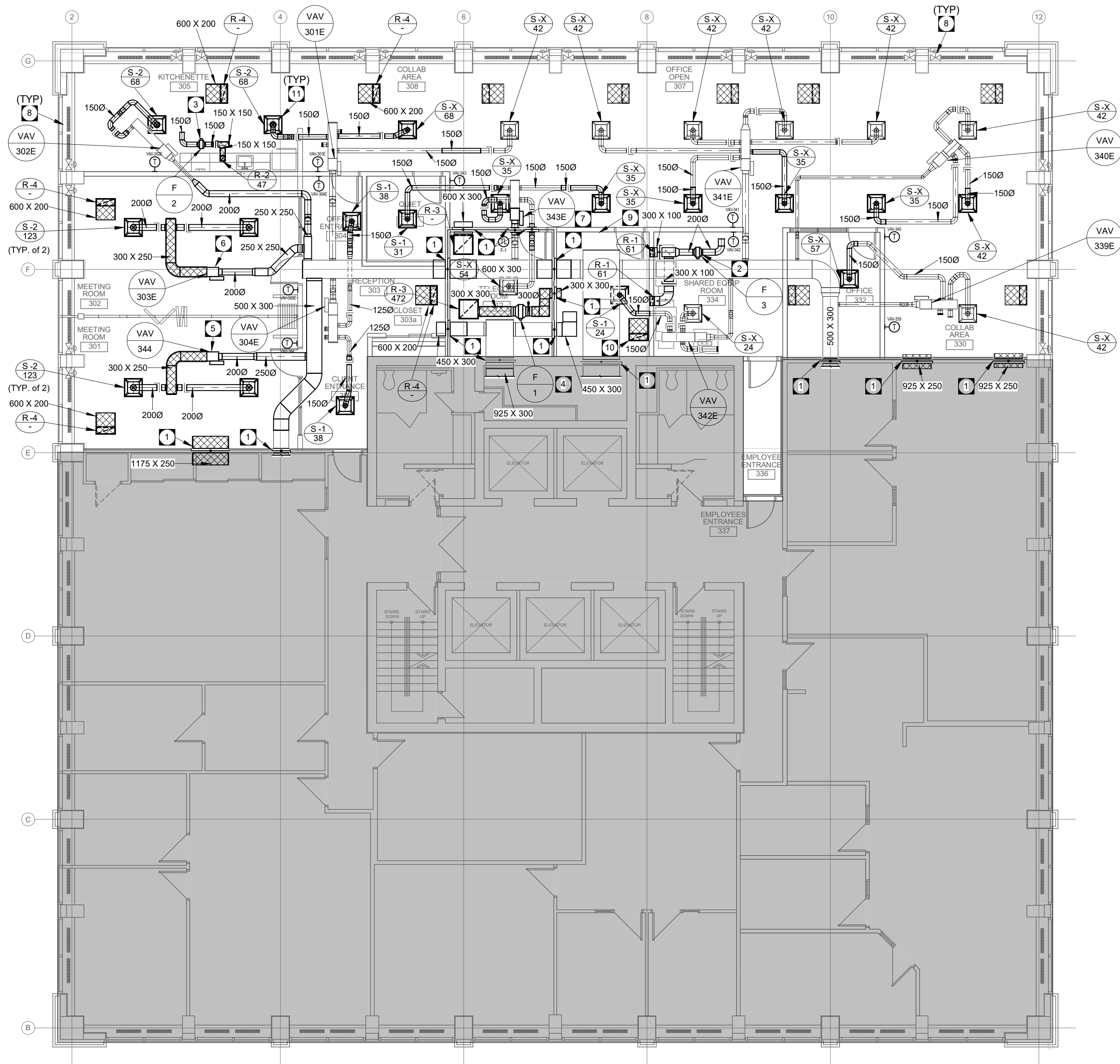
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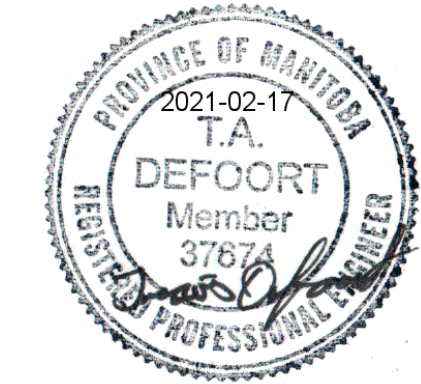
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THIRD FLOOR – HVAC RENOVATION PLAN
SCALE: 1 : 100

HVAC GENERAL NOTES

- A. FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
- B. DUCT TRANSITIONS MAY NOT BE SHOWN IN DETAIL ON PLAN. REFER TO DETAILS SHEETS AND SMACNA - HVAC DUCT CONSTRUCTION STANDARDS FOR REQUIRED DUCT TRANSITIONS AND FITTINGS. ALL DUCT TAPS TO BRANCH DUCTS SHALL HAVE 45 DEGREE ENTRY FITTINGS.
- C. INSTALL FIRE DAMPERS ON ALL DUCTS PENETRATING FIRE RATED ASSEMBLIES, COMPLETE WITH ACCESS DOORS. SEE STANDARD DETAIL. REFER TO ARCHITECTURAL DRAWING FOR FIRE RATINGS.
- D. COORDINATE FINAL THERMOSTAT INSTALLATION HEIGHT AND DISTANCE FROM DOOR WITH ARCHITECT.
- E. DUCT INSULATION MATERIALS SHALL MEET SMOKE AND FLAME SPREAD REQUIREMENTS FOR PLENUM INSULATION.
- F. DUCT INSULATION SHALL FOLLOW THE SCHEDULES IN THE SPECIFICATION AS A MINIMUM REQUIREMENT. THESE REQUIREMENTS SHALL APPLY REGARDLESS OF WHETHER OR NOT DUCT INSULATION IS SHOWN ON THE DRAWINGS.
- G. WHERE DUCT INSULATION IS SHOWN ON THE DRAWINGS (EITHER WITH THE HATCHING CONVENTION OR BY MEANS OF A KEY NOTE) AND EXCEEDS THE REQUIREMENTS OF THE SCHEDULES IN THE SPECIFICATION, THE ADDITIONAL INSULATION REQUIREMENTS SHALL BE MET.
- H. PROVIDE MANUAL BALANCE DAMPERS FOR EACH EXHAUST, SUPPLY, AND RETURN GRILLE WHERE AN AIR VOLUME HAS BEEN PROVIDED.
- I. INSTALL BALANCE DAMPERS AS FAR AWAY FROM GRILLES OR DIFFUSERS SERVED AS PRACTICALLY POSSIBLE.
- J. INSTALL ALL BALANCE DAMPERS IN AN EASILY ACCESSIBLE LOCATION.
- K. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF GRILLES AND DIFFUSERS.
- L. REFER TO CONTROLS SCHEMATICS FOR REQUIREMENTS FOR SENSORS, ACTUATORS AND OTHER CONTROLS COMPONENTS.
- M. CONTRACTOR SHALL SCAN FOR REBAR AND CONDUIT AND PROVIDE RESULTS OF SCAN IN WRITING TO OWNER PRIOR TO CORING OR DRILLING IN ANY CONCRETE WALL OR FLOOR.

KEY NOTES

- 1. PROVIDE PRE-MANUFACTURED DUCT SECURITY BAR SYSTEM COMPLETE WITH DUCT SLEEVE AND FIRE DAMPER. BARRIER BARS SHALL BE 13 MM STEEL RODS, PLACED NO MORE THAN 150 MM VERTICALLY AND 600 MM HORIZONTALLY APART. WHERE SECURITY BAR SYSTEM EXCEEDS MAXIMUM ALLOWABLE DIMENSIONS AS SET BY THE MANUFACTURER, CONTRACTOR SHALL FIELD WELD SECTIONS OF SECURITY BAR SYSTEMS TOGETHER TO FULLY COVER DUCT OPENING. CONTRACTOR TO CONFIRM SLEEVE LENGTH ON SITE PRIOR TO ORDERING. INSTALL AS PER MANUFACTURER INSTALLATION GUIDELINES.
- 2. PROVIDE NEW INLINE TRANSFER FAN WITHIN DROPPED CEILING. FAN SHALL CONTINUOUSLY DISCHARGE INTO CEILING SPACE COMPLETE WITH ACOUSTIC ELBOW. PROVIDE DUCTING OFF UNIT WITHIN CEILING SPACE AND DROP CONCEALED WITHIN WALL TO BEHIND EACH PHOTO COPIER. GRILLE SHALL BE INSTALLED APPROXIMATELY 900MM A.F.F. TO BOTTOM OF GRILLE.
- 3. PROVIDE NEW INLINE TRANSFER FAN WITHIN DROPPED CEILING. FAN SHALL CONTINUOUSLY DISCHARGE INTO CEILING SPACE COMPLETE WITH ACOUSTIC ELBOW. PROVIDE DUCTING OFF UNIT WITHIN CEILING SPACE TO CEILING MOUNTED EGG CRATE RETURN GRILLE.
- 4. PROVIDE NEW MIXED-FLOW INLINE TRANSFER FAN WITHIN DROPPED CEILING. FAN SHALL MODULATE BASED ON SPACE TEMPERATURE SENSOR AND DISCHARGE INTO CEILING SPACE COMPLETE WITH ACOUSTIC ELBOW.
- 5. PROVIDE NEW VAV BOX COMPLETE WITH PNEUMATIC CONTROLLER AND THERMOSTAT. CONNECT INTO EXISTING BUILDING PNEUMATIC SYSTEM.
- 6. RELOCATE EXISTING VAV UNIT. EXTEND/MODIFY EXISTING PNEUMATIC CONTROLS TO SUIT NEW LOCATION.
- 7. ADJUST VAV LOCATION AND ASSOCIATED DUCTING TO ENSURE 4X INLET DIA. OF STRAIGHT DUCT IS PROVIDED TO VAV INLET.
- 8. CONNECT EXISTING HYDRONIC VALVES SERVING CONVECTION UNITS TO NEAREST THERMOSTAT IN ZONE. CONTRACTOR TO VERIFY OPERATION OF EXISTING VALVES AND NOTE ANY DEFICIENCIES ENCOUNTERED TO DEPARTMENTAL REPRESENTATIVE.
- 9. LOCATE 7-DAY PROGRAMMABLE TIME-CLOCKS FOR PRINTER AND KITCHENETTE TRANSFER FANS WITHIN STORAGE ROOM. COORDINATE EXACT LOCATION ON SITE TO AVOID INTERFERENCES WITH STORAGE AND ELECTRICAL SWITCHES.
- 10. INSTALL EXISTING TRANSFER AIR ELBOW AND GRILLE WITHIN CEILING GRID.
- 11. NEW DIFFUSERS WITHIN OPEN OFFICE AREA TO MATCH LAY-IN DETAIL OF EXISTING DIFFUSERS. TYPICAL ALL.



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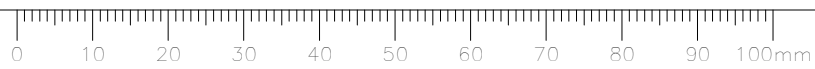
Project title
GLOBAL AFFAIRS CANADA (GAC)
303 MAIN STREET WINNIPEG, MB


REGIONAL OFFICE FIT-UP

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Drawn by	Dessiné par
JS/TD	
Approved by	Approuvé par
TD	
PWGSC Project Manager	Administrateur de Projets TPWGC
EN	
Drawing title	Titre du dessin

THIRD FLOOR – HVAC RENOVATION
PLAN

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.104185	MH2.2 OF	






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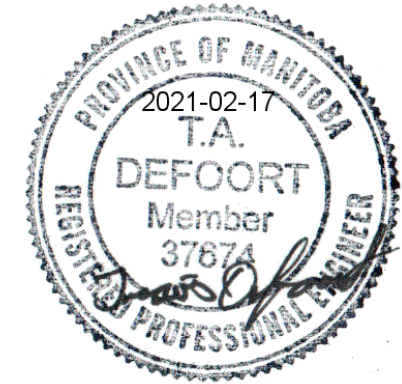
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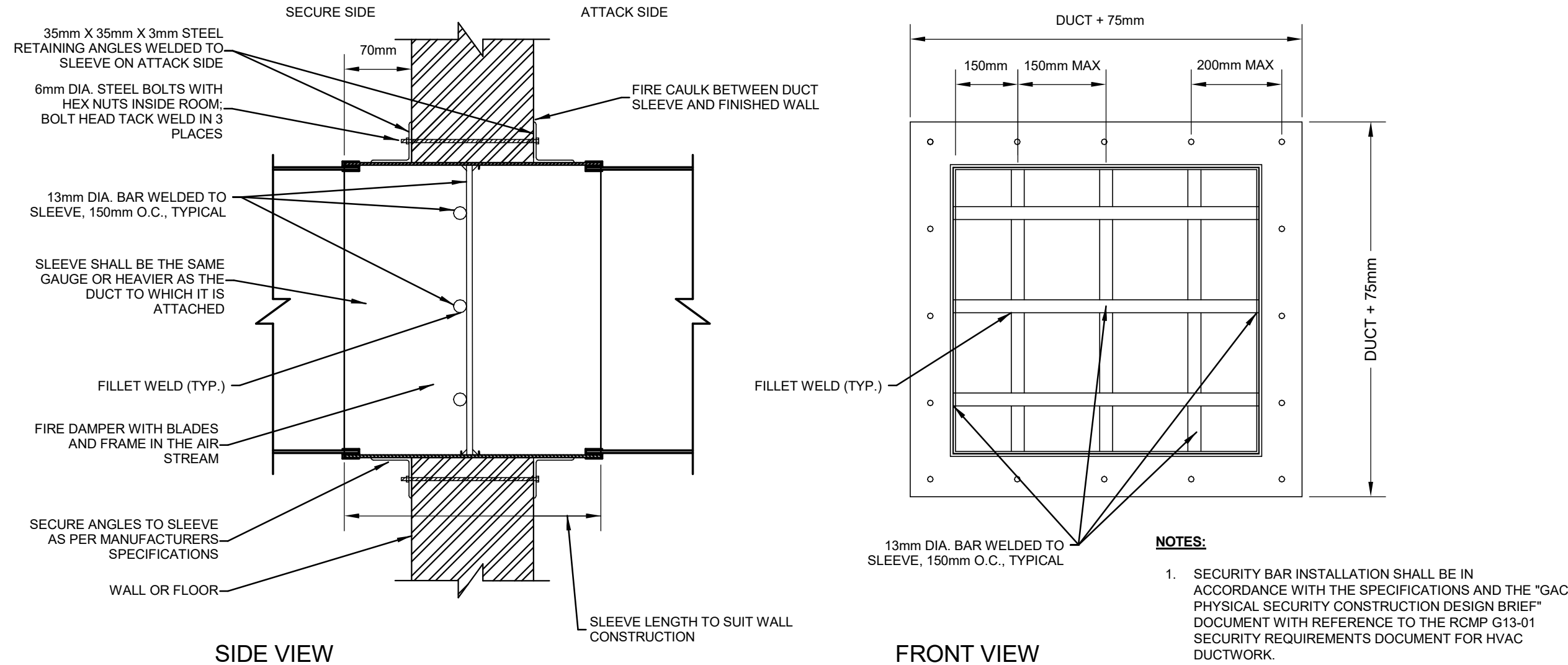
Projet

REGIONAL OFFICE FIT-UP

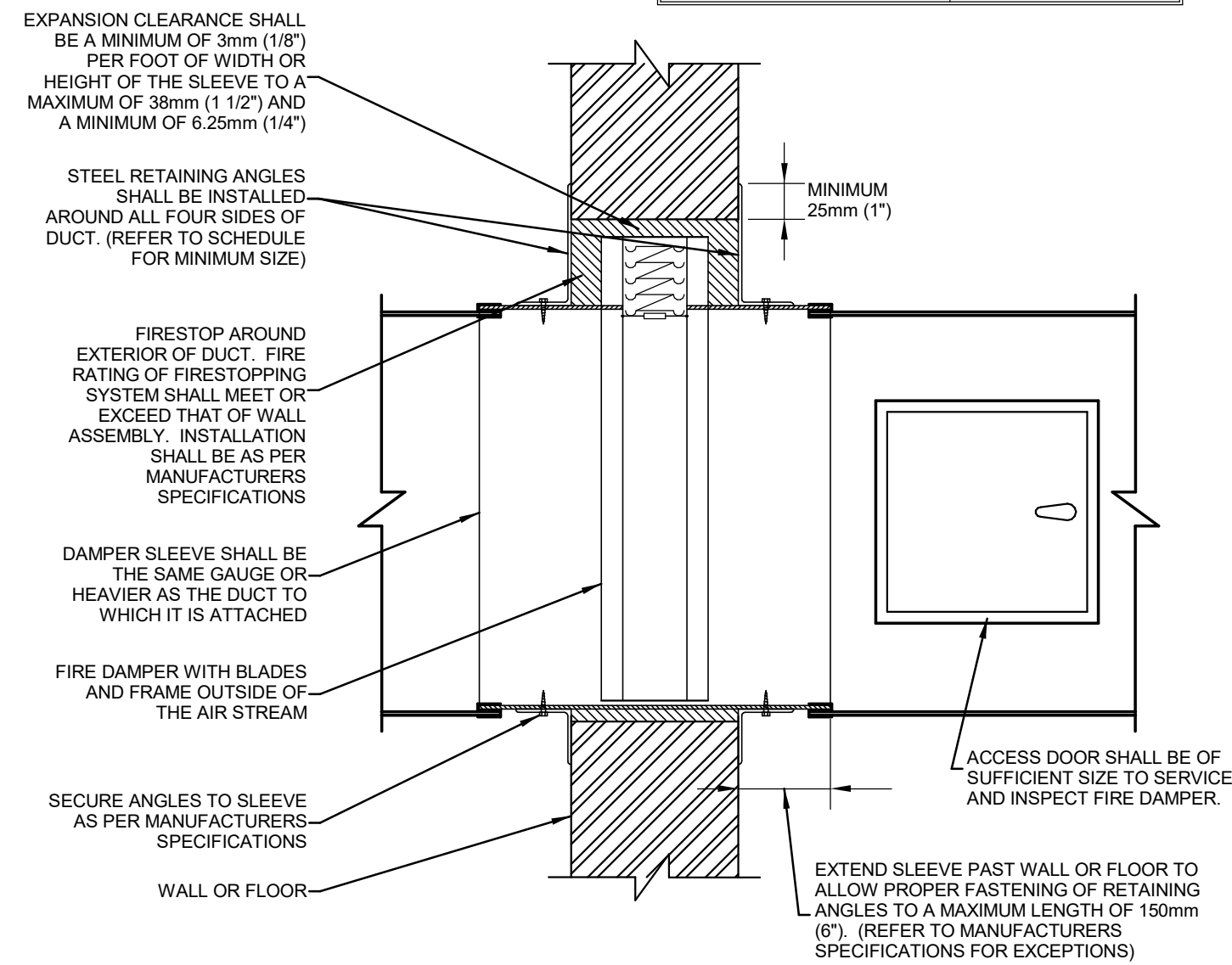
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DETAILS

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.104185	M7.1 OF	

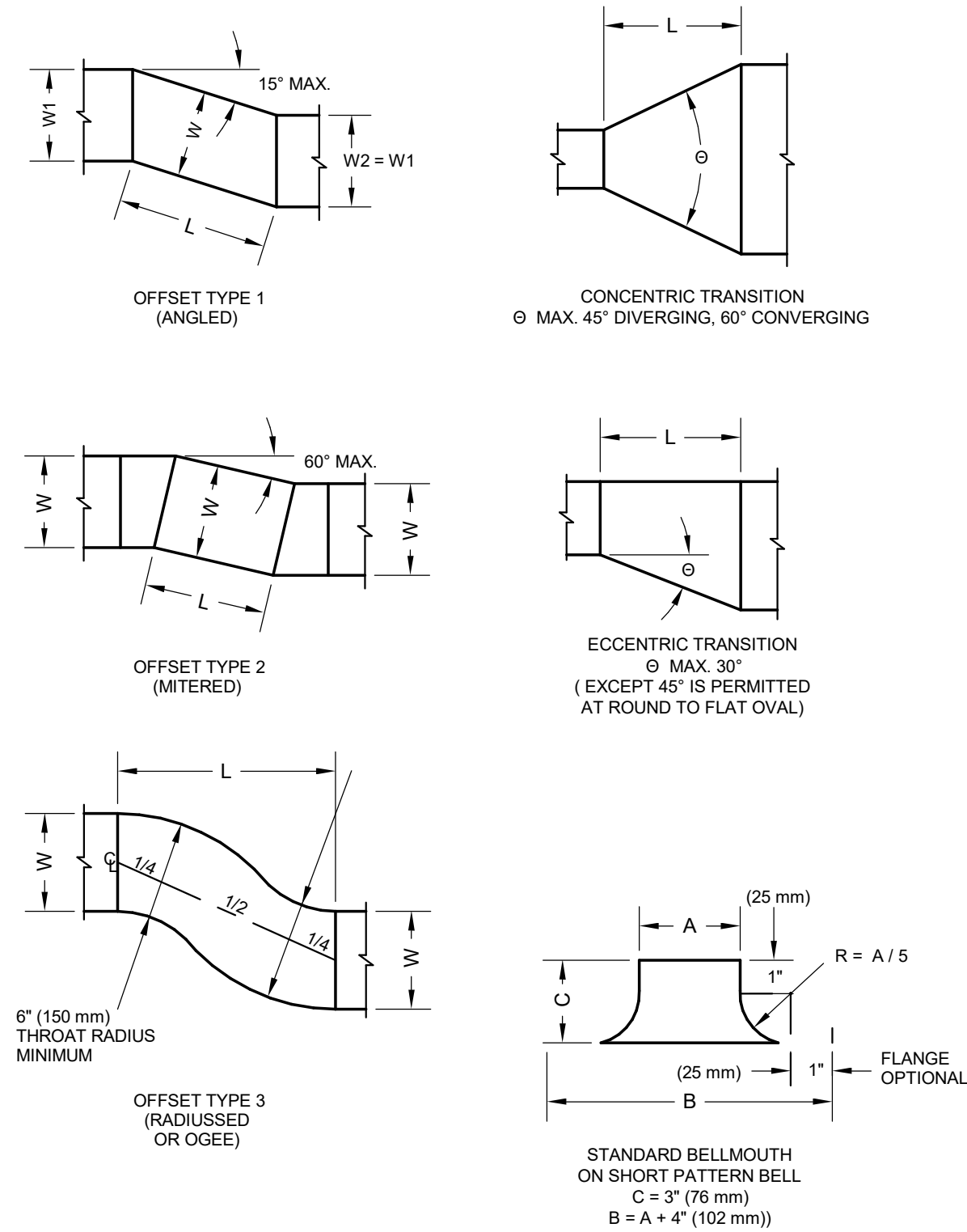


DUCT SECURITY BARS
SCALE: N.T.S.

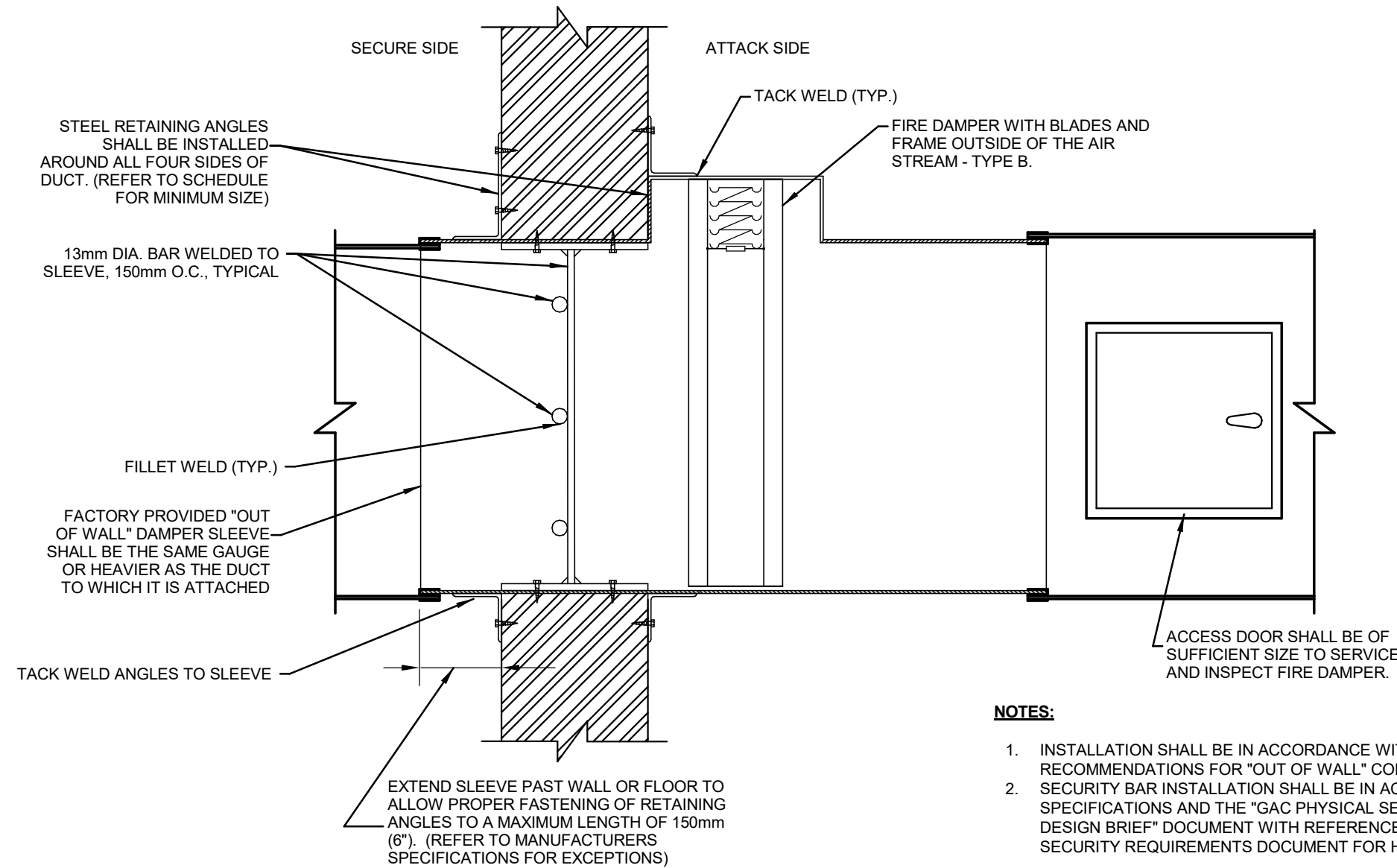


TYPE "B" FIRE DAMPER DETAIL
SCALE: N.T.S.

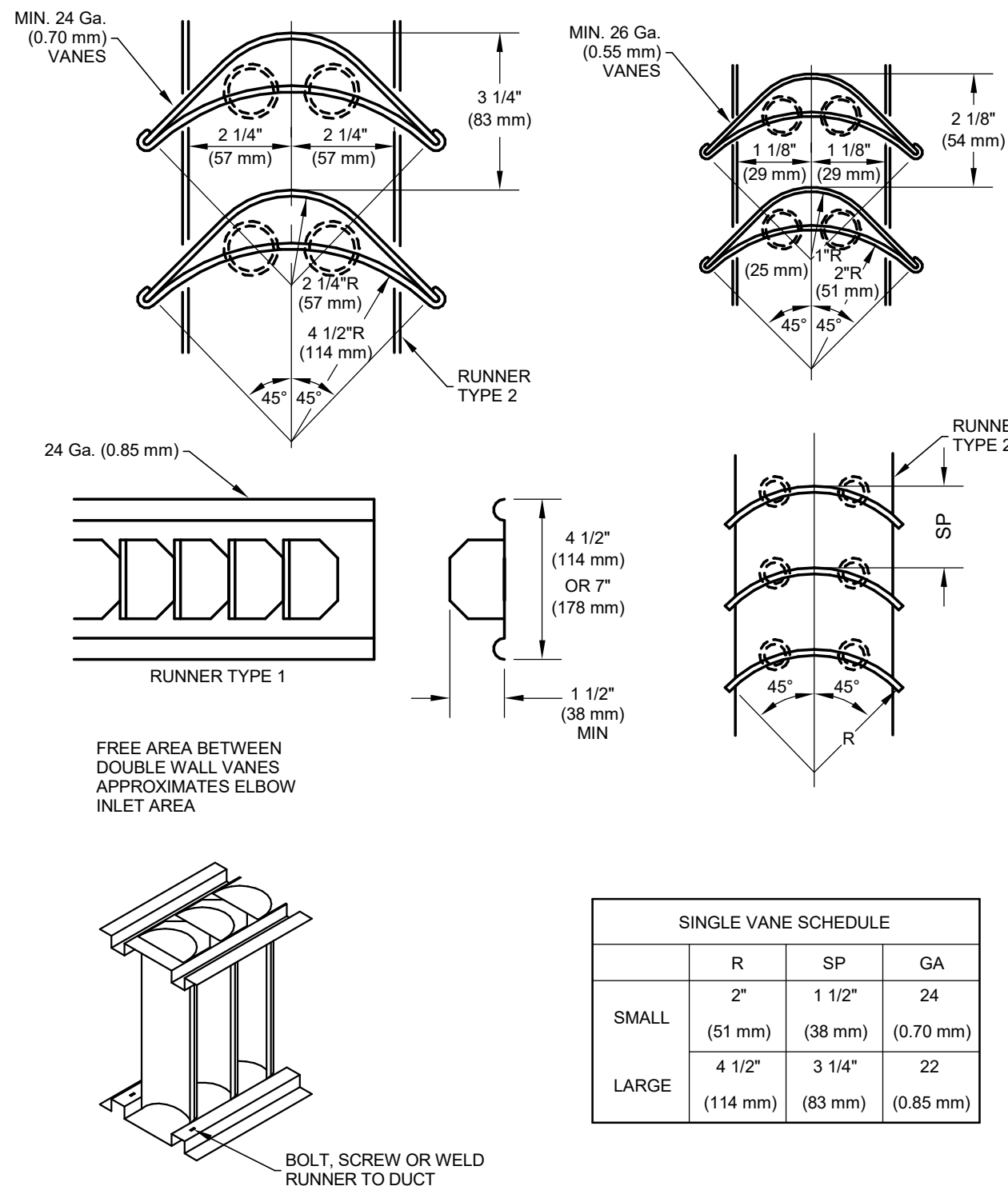
OFFSETS 2 AND 3 AND TRANSITIONS MAY HAVE EQUAL OR UNEQUAL INLET AND OUTLET AREAS. TRANSITIONS MAY CONVERT DUCT PROFILES TO ANY COMBINATION FOR RECTANGULAR, ROUND OR FLAT OVAL SHAPES.



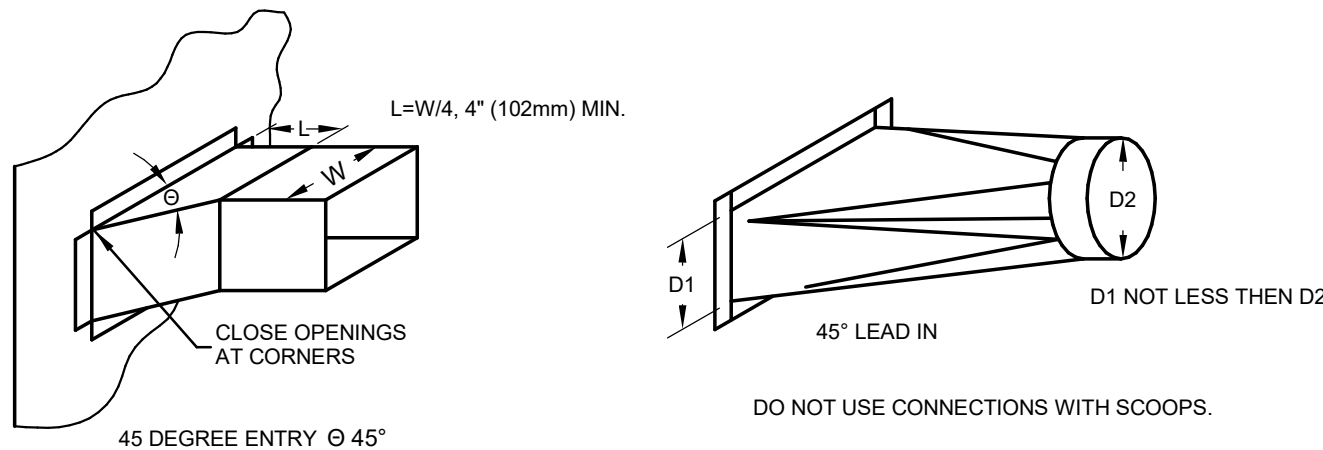
DUCT OFFSETS AND TRANSITIONS DETAILS
SCALE: N.T.S.



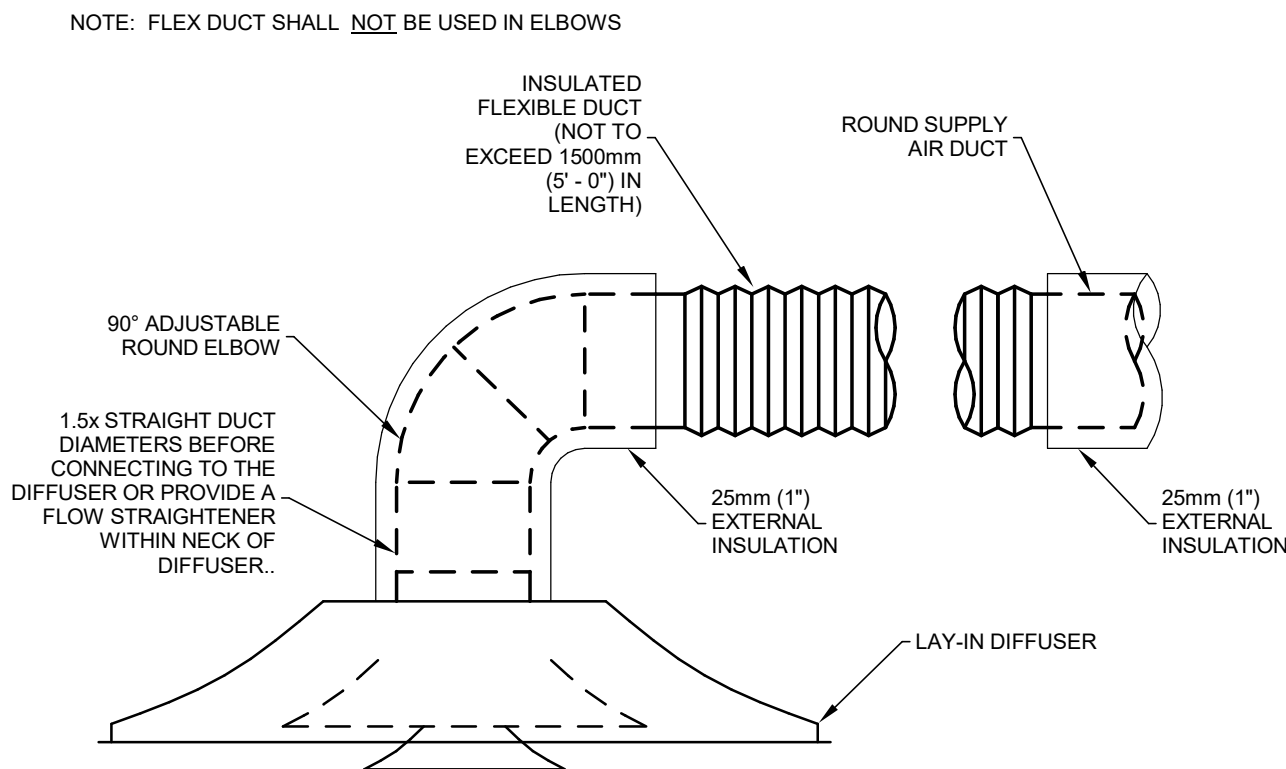
FIRE DAMPER / SECURITY BAR DETAIL
SCALE: N.T.S.



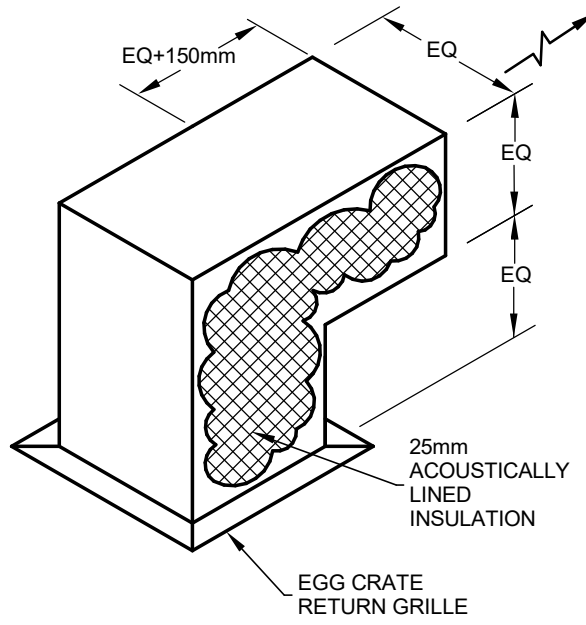
DUCT VANES AND VANE RUNNERS DETAIL



BRANCH CONNECTIONS DETAIL
SCALE: N.T.S.



FLEX DUCT DETAIL
SCALE: N.T.S.



TYPICAL ACOUSTIC ELBOW DETAIL
SCALE: N.T.S.

PUMP SCHEDULE											
MARK		PUMP TYPE	OUTLET DIAMETER	FLOW	HEAD	MOTOR	ELECTRICAL		DESIGN WEIGHT		NOTES
							VOLTAGE	PHASE	(lbs)	(Kg)	
P	1	Submersible Effluent Pump, 1/2" Solids	1 1/2"	15 GPM	18 FT	0.33 hp	115 V	1	53	24	1

1. PUMP COMPLETE WITH 12" DIA. X 13-3/4" HIGH CAST IRON SANITARY SUMP, FLOATS AND APPROPRIATE VENTING CONNECTIONS FOR SANITARY INSTALLATION BELOW SINKS. COORDINATE INSTALLATION WITH MILLWORK.

DIFFUSER & GRILLES SCHEDULE		
MARK	MODEL	NOTES
S 1	150/600X600 SQUARE CONE DIFFUSER	1
S 2	200/600X600 SQUARE CONE DIFFUSER	1
R 1	250X150 LOUVERED RETURN	1
R 2	150X150 EGG CRATE GRILLE	1
R 3	600X600 EGG CRATE GRILLE	1
R 4	600X200 EGG CRATE GRILLE	1

1. COORDINATE COLOR WITH DEPARTMENTAL REPRESENTATIVE.

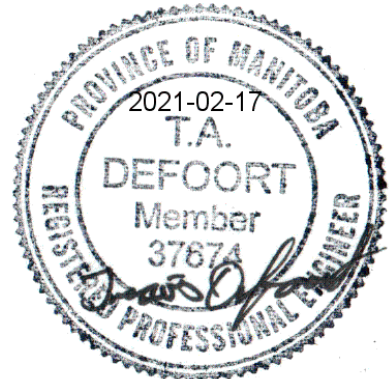
VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE							
MARK		INLET DIA.	DESIGN AIR VOLUME		MINIMUM AIR VOLUME		NOTES
			(cfm)	(L/s)	(cfm)	(L/s)	
VAV	301E	8	144	68	36	17	1
VAV	302E	8	377	178	94	44	1
VAV	303E	8	524	247	131	62	1
VAV	304E	8	161	76	32	15	1
VAV	339E	8	331	156	83	39	1
VAV	340E	8	191	90	48	23	1
VAV	341E	8	543	256	136	64	1
VAV	342E	8	174	82	44	21	1
VAV	343E	8	379	179	95	45	1
VAV	344E	8	524	247	131	62	2

1. EXISTING VAV TO BE REUSED. CONFIRM FUNCTIONALITY PRIOR TO STARTING OF RENOVATION WORK
2. NEW VAV, TO BE CONTROLLED BY EXISTING PNEUMATIC SYSTEM.

FAN SCHEDULE											
MARK		ZONE SERVED	AIRFLOW		FAN ESP		FAN POWER		ELECTRICAL		NOTES
			(cfm)	(L/s)	(in-wg)	(Pa)	(HP)	(kW)	VOLTAGE	PHASE	
F	1	LAN ROOM	1000	472	0.50	125	0.70	0.53	115 V	1	1, 2
F	2	KITCHENETTE	100	47	0.30	75	0.10	0.07	115 V	1	1, 3
F	3	PRINTERS	213	101	0.50	124	0.16	0.12	115 V	1	1, 3

1. COORDINATE LOCATION OF FAN TO ENSURE THAT LOCATION DOES NOT IMPEDE ON NEW AND EXISTING SERVICES WITHIN CEILING SPACE.
2. FAN TO OPERATE BASED ON SPACE TEMPERATURE SENSOR TO MAINTAIN SETPOINT OF 25°C (adj.)
3. FAN TO OPERATE BASED ON 7-DAY PROGRAMMABLE TIME CLOCK.

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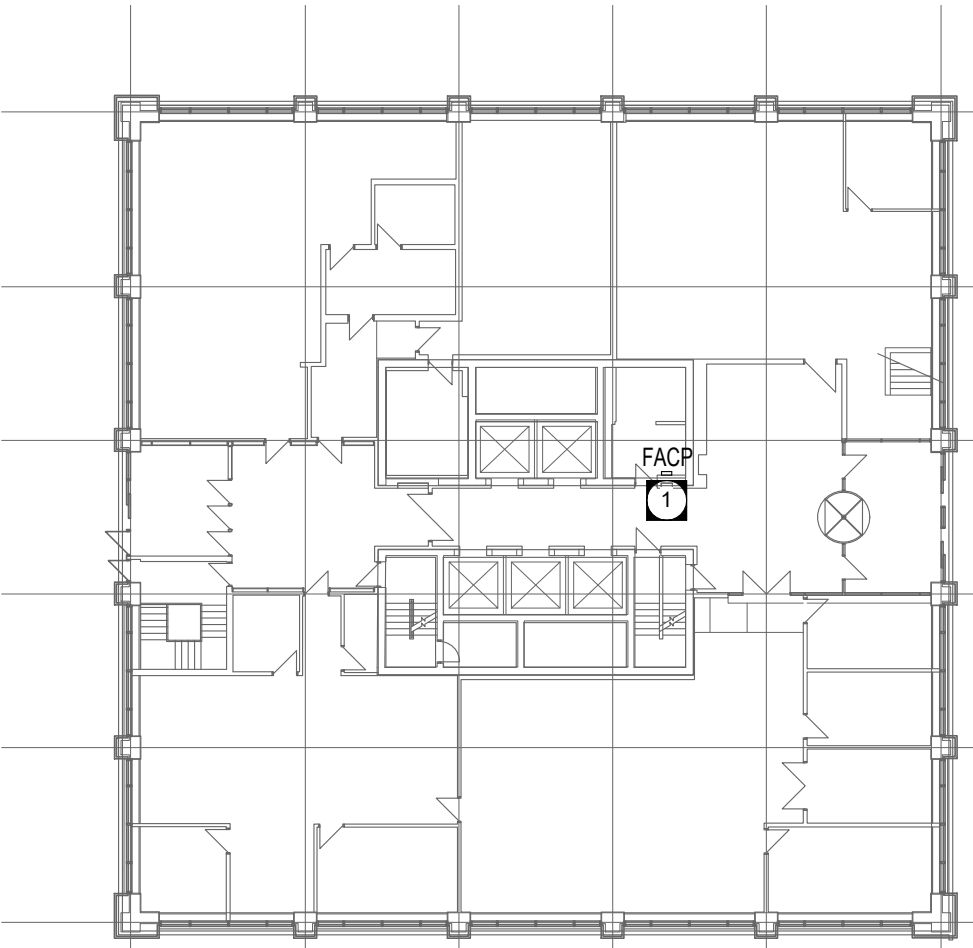
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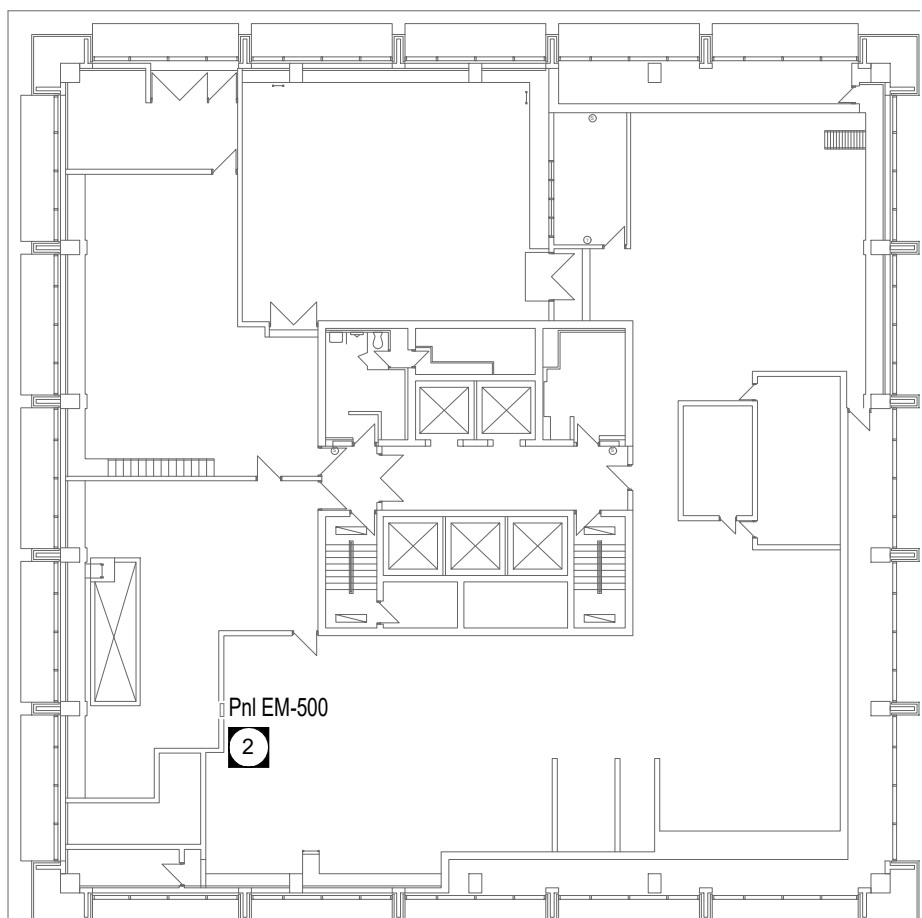
DETAILS & SCHEDULES

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.104185	M7.2 OF	

ELECTRICAL SYMBOL LEGEND					
HT AFF	SYMBOL	DESCRIPTION	HT AFF	SYMBOL	DESCRIPTION
LIGHTING					
		RECESSED LIGHT(TYPE DENOTED)	2350mm**		FIRE ALARM
		STRIP LIGHT(TYPE DENOTED)	2150mm		FIRE ALARM SPEAKER(WALL OR CEILING MT.)
300mm*		EXIT LIGHT	2350mm**		FIRE ALARM SPEAKER W/STROBE(CANDELAS)
AS NOTED		LIGHT FIXTURE ON (EM) LIFE SAFETY BRANCH	200mm****		SMOKE DETECTOR(TYPE & CO DENOTED)
			1850mm**		FIRE ALARM CONTROL PANEL
LIGHTING CONTROL					
1200mm		SINGLE POLE SW			SECURITY
1200mm		3-WAY SW			ELECTRIC STRIKE
1200mm		DIMMER SWITCH			DOOR CONTACTS
1200mm		OCCUPANCY SENSOR SWITCH			FLOOD DETECTOR
1200mm		OCCUPANCY SENSOR(TYPE DENOTED)	1200mm***		CARD READER
			1200mm***		KEYPAD
RECEPTACLES					
400mm		DUPLEX RECEPT	3650mm*		MOTION DETECTOR(TYPE DENOTED)
900mm		RECEPT C/W INTEGRAL GF(DUPLEX SHOWN)	AS NOTED		CCTV CAMERA
		RECEPT C/W NEMA 5-20R CONFIG	AS NOTED		DURESS ALERT LIGHT
		RECEPT MTD IN FLOOR(DUPLEX SHOWN)			REQUEST TO EXIT
150mm*****		RECEPT MTD ABOVE COUNTER(DUPLEX SHOWN)	1200mm		PANIC BUTTON
		RECEPT MTD IN MILLWORK(DUPLEX SHOWN)	1200mm		MASTER STATION FOR ACCESS CONTROL SYSTEM
		USB CHARGER DUPLEX RECEPT.	1200mm		SUB-MASTER HAND STATION FOR ACCESS CONTROL SYSTEM
400mm		QUAD RECEPT.	1200mm		INTERCOM STATION
400mm		ISOLATED GROUND RECEPT (DUPLEX SHOWN)			COMMUNICATION & SYSTEMS
			400mm		COMMUNICATIONS OUTLET(TYPE DENOTED)
EQUIPMENT					
AS NOTED		JUNCTION BOX	1200mm***		MICROPHONE OUTLET
		POWER POLE	2150mm		WALL INTERCOM OUTLET
		DIRECT POWER CONNECTION			SPEAKER (CEILING MT.)
					SPEAKER (SOUND MASKING CEILING MT.)
					AUTOMATIC DOOR OPERATOR PUSHBUTTON
			1200mm		AV TOUCH PANEL
					PARTITION SENSOR
GENERAL ELECTRIC					
		LIGHT SYMBOL INDICATES EXISTING			
		DASHED SYMBOL INDICATES REMOVED			
		KEYED NOTE(SEE SCHEDULE)			
		DEMOLITION NOTE(SEE SCHEDULE)			
		REVISION TAG			
ALL DISTANCES ARE TO CENTER OF DEVICE OR EQUIPMENT UNLESS OTHERWISE NOTED. DEVICES INDICATED AT 1200mm MAY NOT BE INSTALLED WITH ANY OPERABLE PART HIGHER THAN 1200mm. DEVICES MAY BE INSTALLED IN CONCRETE MASONRY UNITS WITH THE TOP OF THE DEVICE AT 1200mm.					
* DISTANCE ABOVE TOP OF DOOR FRAME		**** DISTANCE BELOW CEILING			
** DISTANCE TO TOP OF EQUIPMENT OR DEVICE		***** DISTANCE TO BOTTOM OF DEVICE			
*** DISTANCE TO HIGHEST OPERABLE PART OF EQUIPMENT		***** DISTANCE ABOVE COUNTER			



1 MAIN FLOOR KEYPLAN
SCALE: 1 : 300



2 12TH FLOOR KEYPLAN
SCALE: 1 : 300

KEY NOTES

- EXISTING SIEMENS CERBERUS PYROTRONICS FIRE ALARM CONTROL PANEL.
- EXISTING 347/600V 225A 3PH GE NHB EMERGENCY POWER PANELBOARD.

GENERAL ELECTRICAL NOTES

- A. THE GENERAL NOTES AS DESCRIBED HEREIN, APPLY TO ALL DRAWINGS IN THIS PACKAGE WHERE APPLICABLE.
- B. PENETRATIONS IN WALLS OR SEPARATIONS, REQUIRING PROTECTED OPENINGS SHALL BE FIRESTOPPED WITH AN APPROVED MATERIAL. REFER TO ARCHITECTURAL SPECIFICATIONS FOR PRODUCT REQUIREMENTS.
- C. EXPOSED WIRING SHALL NOT BE PERMITTED. WIRING SHALL BE RECESSED IN WALL, OR WHERE WALLS ARE NOT ACCESSIBLE DUE TO WALL CONSTRUCTION (CONCRETE BLOCK, CONCRETE, BRICK, ETC), PROVIDE CONDUIT AS REQUIRED TO CONCEAL SAME.
- D. REFER TO ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND DETAILS, INCLUDING MILLWORK DETAILS AND SHOP DRAWINGS FOR COORDINATION OF ELECTRICAL DEVICE LOCATIONS, METHOD OF INSTALLATION & MOUNTING HEIGHTS. ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS.
- E. EQUIPMENT SHUTDOWN AND THE INTERRUPTION OF ANY SERVICES SHALL BE COORDINATED IN ADVANCE WITH THE BUILDING END USER AND SHALL BE KEPT TO A MINIMUM.
- F. UNLESS NOTED OTHERWISE, THE CIRCUITING INDICATED ON THE DRAWINGS IS REPRESENTATIONAL ONLY. CONFIRM CIRCUITING REQUIREMENTS ON SITE.
- G. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING AND VOLTAGE DROP REQUIREMENTS, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.
- H. MINIMUM CONDUIT SIZE SHALL BE 21mm (3/4") UNLESS NOTED OTHERWISE.
- I. CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT/LINE.
- J. EMPTY CONDUIT SHALL BE C/W PULL WIRE AND PLASTIC BUSHINGS.
- K. ALL CONDUCTORS OPERATING AT 50 VOLTS OR GREATER SHALL BE IN RACEWAY. ALL RACEWAY WITHIN THE STRUCTURE ABOVE THE FLOOR SLAB SHALL BE METAL.
- L. ALL LOW VOLTAGE CABLES OR CONDUCTORS OPERATING AT LESS THAN 50 VOLTS SHALL BE IN METAL RACEWAY WHERE INSTALLED WITHIN WALLS OR INACCESSIBLE SPACES. LOW VOLTAGE CABLES MAY BE RUN IN CABLE TRAY WHERE NOTED. LOW VOLTAGE CABLES MAY BE RUN IN CABLE SUPPORT HOOKS ABOVE ACCESSIBLE CEILINGS WHERE NOTED.
- M. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 1" LONG FLEXIBLE METAL CONDUIT.
- N. WHERE CONNECTED TO A 20A, BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.
- O. CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THE DRAWINGS, UNLESS NOTED OTHERWISE. VERIFY LOCATIONS AND ROUGH-IN REQUIREMENTS OF ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- P. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONTRACTOR.
- Q. ALL LIFE-SAFETY SYSTEMS SHALL BE MAINTAINED AND OPERABLE AT ALL TIMES DURING CONSTRUCTION.
- R. AS INDICATED IN THE GENERAL NOTES, DEMOLITION NOTES, AND KEYNOTES IN THIS DRAWING PACKAGE, UNLESS NOTED OTHERWISE, THE TERM "DEMOLISH" SHALL INCLUDE THE COMPLETE REMOVAL OF THE EXISTING ITEM IDENTIFIED, C/W ASSOCIATED WIRING, CONDUIT AND JUNCTION BOXES BACK TO LAST REMAINING DEVICE OR SOURCE. CIRCUITS FREED UP FROM DEMOLISHED ELECTRICAL, SHALL BECOME SPARE. REFER TO THE RENOVATION DRAWING KEY NOTES FOR FURTHER REQUIREMENTS.
- S. AS INDICATED IN THE GENERAL NOTES, DEMOLITION NOTES, AND KEYNOTES IN THIS DRAWING PACKAGE, UNLESS NOTED OTHERWISE, THE TERM "REMOVE & REPLACE" SHALL INCLUDE THE COMPLETE REMOVAL & REPLACEMENT OF THE EXISTING ITEM IDENTIFIED IN ITS CURRENT LOCATION, WITH A NEW ITEM, UTILIZING THE EXISTING OUTLET BOX AND WIRING. REFER TO THE RENOVATION DRAWING KEY NOTES FOR FURTHER REQUIREMENTS.
- T. AS INDICATED IN THE GENERAL NOTES, DEMOLITION NOTES, AND KEY NOTES, UNLESS NOTED OTHERWISE, THE TERM "RELOCATE" SHALL INCLUDE THE COMPLETE RELOCATION OF THE EXISTING ITEM IDENTIFIED ON THE DEMOLITION DRAWINGS, TO THE NEW LOCATION AS INDICATED ON THE RENOVATION DRAWINGS. INCLUDE ALL LABOUR AND MATERIALS TO DEROUTE/EXTEND/REFEED THE EXISTING CIRCUITRY AS REQUIRED TO ACCOMMODATE THE RELOCATION. REFER TO THE RENOVATION DRAWING KEY NOTES FOR FURTHER REQUIREMENTS.
- U. ALL NEW WIRING SHALL BE CONCEALED WHERE POSSIBLE. UTILIZE ACCESSIBLE CEILING SPACE TO RUN NEW WIRING AS REQUIRED AND FISH INTO WALLS/MILLWORK.
- V. CIRCUIT BREAKERS SHALL MATCH EXISTING. CONFIRM SHORT CIRCUIT RATING AND TYPE ON SITE. PRIOR TO FINALIZING PRICING. RISER DIAGRAMS ARE SCHEMATIC AND REPRESENTATIONAL ONLY. LOCATIONS AND QUANTITIES OF EQUIPMENT/DEVICES/LUMINAIRES SHALL BE COORDINATED WITH THE ELECTRICAL FLOOR PLANS.

SPECIFIC CODE NOTES

FIRE PROTECTION REQUIREMENTS

- A. PENETRATIONS IN WALLS REQUIRING PROTECTED OPENINGS MUST BE FIRESTOPPED WITH AN APPROVED MATERIAL.
- CONDUITS MAY PENETRATE WALLS OR PARTITIONS, PROVIDED THEY ARE FIRE-STOPPED.
 - OUTLET BOXES THAT PENETRATE OPPOSITE SIDES OF A WALL ASSEMBLY SHALL BE OFFSET WHERE NECESSARY TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION.
- B. LIGHT FIXTURES AND OTHER APPARATUS INSTALLED IN AN ACOUSTICAL CEILING GRID SHALL BE INDEPENDENTLY SUPPORTED.
- C. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE ULC FIRE RATED LABEL. FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE ULC FIRE RESISTANCE DIRECTORY, AND SHALL INCLUDE A FIRE RATED ENCLOSURE INSTALLED OVER THE FIXTURE THAT MEETS THE REQUIREMENTS OF THE ULC FIRE RESISTANCE DIRECTORY.

ELECTRICAL ABBREVIATIONS LIST

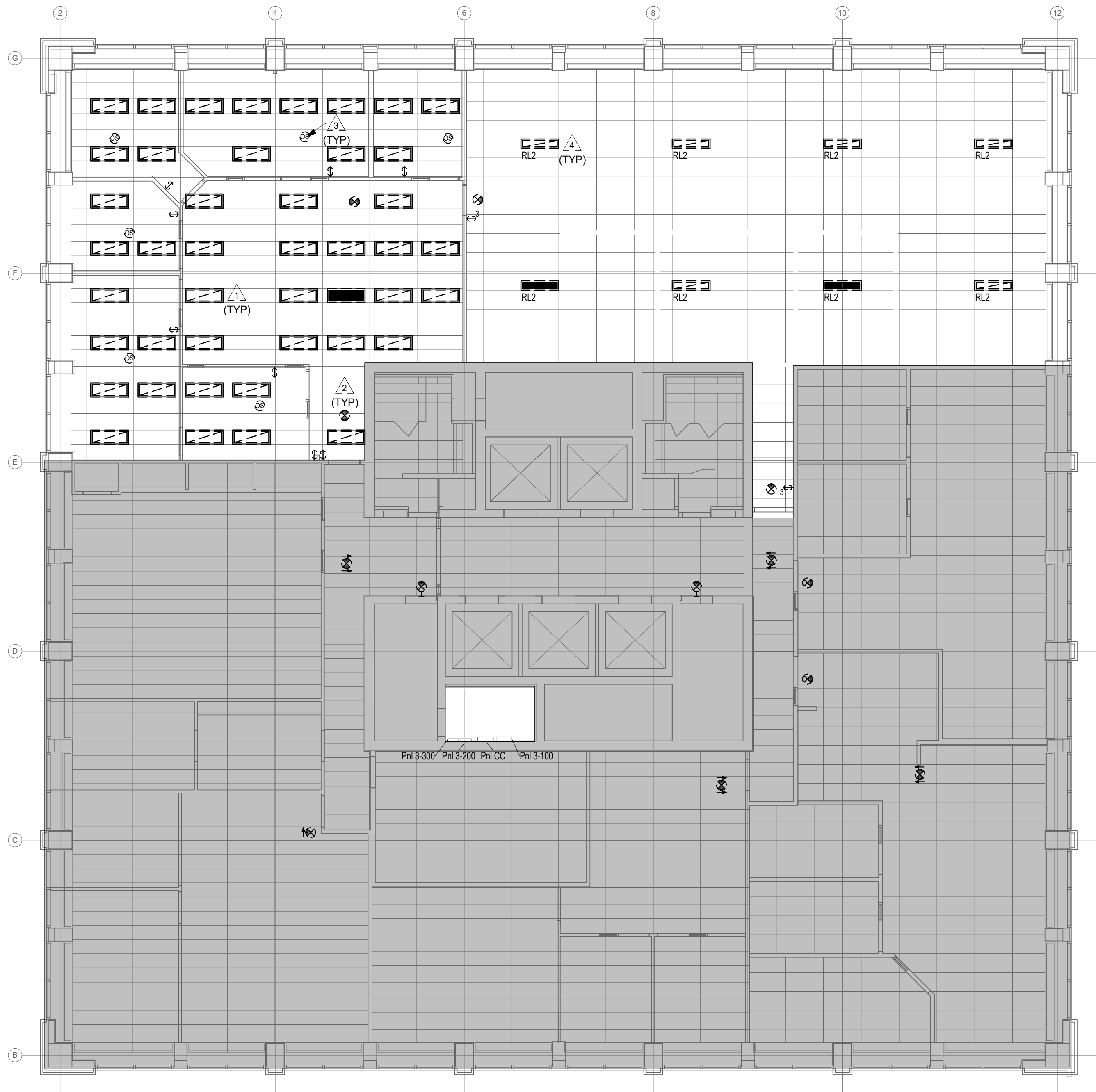
1P	1 POLE (2P, 3P, 4P, ETC.)	DISC	DISCONNECT DISTRIBUTION	IC	INTERRUPTING CAPACITY	NFDS	NON-FUSED SAFETY DISCONNECT SWITCH	SW	SWITCH
A	AMPERE	DIST	SAFETY DISCONNECT SWITCH	IG	ISOLATED GROUND	NIC	NOT IN CONTRACT	SYM	SYMMETRICAL
AC	ABOVE COUNTER OR AIR CONDITIONER	DS	DRINKING WATER	INT	INTERCOM	NL	NIGHT LIGHT	SYS	SYSTEM
ACLG	ABOVE CEILING	DW	DISHWASHER	IR	INFRARED	N.O.	NORMALLY OPEN	TEL	TELEPHONE
ADO	AUTOMATIC DOOR OPENER	DWG	DRAWING	IW	INTERLOCK WITH	NPF	NORMAL POWER FACTOR	TEL/DATA	TELEPHONE/DATA
AF	ABOVE FINISHED FLOOR	EC	ELECTRICAL CONTRACTOR	J-BX	JUNCTION BOX	NTS	NOT TO SCALE	TERM	TERMINAL
AFG	ABOVE FINISHED GRADE	ELEC	ELECTRIC ELECTRICAL	KV	KILOVOLT	OH	OVERHEAD	TR	TAMPER RESISTANT
AL	ALUMINUM	ELEV	ELEVATOR	KVA	KILOVOLT-AMPERE	OL	OVERLOADS	T-STAT	THERMOSTAT
AMP	AMPERE	EM	EMERGENCY	KW	KILOWATT	PA	PUBLIC ADDRESS	TV	TELEVISION
APPROX	APPROXIMATELY	EMT	ELECTRICAL METALLIC TUBING	KWH	KILOWATT HOUR	PB	PULL BOX OR PUSHBUTTON	TYP	TYPICAL
ARCH	ARCHITECT, ARCHITECTURAL	EQIP	EQUIPMENT	LOC	LOCATE OR LOCATION	PH	PEDESTAL	UC	UNDER COUNTER
AUTO	AUTOMATIC	EXIST	EXISTING	LT	LIGHT	PH	PHONE	UH	UNIT HEATER
AUX	AUXILIARY	EXH	EXHAUST	LTG	LIGHTING	PNL	PANEL	UTIL	UTILITY
AV	AUDIO VISUAL	FA	FIRE ALARM	LV	LOW VOLTAGE	PP	POWER POLE	V	VOLT
AWG	AMERICAN WIRE GAUGE	FACP	FIRE ALARM CONTROL PANEL	MAX	MAXIMUM	PR	PAIR/PRINTER	VA	VOLT-AMPERES
BATT	BATTERY	FD	FLOOD DETECTOR	MCB	MAIN CIRCUIT BREAKER	PR	PRIMARY	VDT	VIDEO DISPLAY TERMINAL
BLDG	BUILDING	FLR	FLOOR	MFR	MANUFACTURER	PROJ	PROJECTION	VERT	VERTICAL
C	CONDUIT	FLUOR	FLUORESCENT	MFS	MAIN FUSED DISCONNECT SWITCH	PVC	POLYVINYL CHLORIDE (CONDUIT)	VOL	VOLUME
CAB	CABINET	FR	REFRIGERATOR	MC	MICROWAVE	PWR	POWER	W	WATT
CAT	CATALOG	FJ	FUSE	MN	MINIMUM	Q	QUADREX RECEPTACLE	WI	WIRE
CATV	CABLE TELEVISION	FZ	FREEZER	MISC	MISCELLANEOUS	QUAN	QUANTITY	WG	WIRE GUARD
CB	CIRCUIT BREAKER	GA	GAUGE	MN	MINIMUM	R	RELOCATED	W/O	WITHOUT
CCTV	CLOSED CIRCUIT TELEVISION	GC	GENERAL CONTRACTOR	MSC	MISCELLANEOUS	RCPT	RECEPTACLE	WP	WEATHERPROOF
CKT	CIRCUIT	GEN	GENERATOR	MTR	MOTOR, MOTORIZED	REQD	REQUIRED	WS	WASHER
CKTP	COOKTOP	GFI	GROUND FAULT CIRCUIT INTERRUPTER	MDA	MULTIOUTLET ASSEMBLY	RM	ROOM	XFMR	TRANSFORMER
CLS	CEILING	GND	GROUND	MT	MOUNT	RMC	RIGID METAL CONDUIT	XFR	TRANSFER
COMB	COMBINATION	HORIZ	HORIZONTAL	MT-C	EMPTY CONDUIT	SEC	SECONDARY		
CONN	CONNECTION	HP	HORSEPOWER	MTD	MOUNTED	SH	SHEET	°	ANGLE
CONST	CONSTRUCTION	HT	HEIGHT	MTR	MOTOR, MOTORIZED	SM	SIMILAR	@	AT
CONT	CONTINUATION OR CONTINUOUS	HTG	HEATING	MW	COORDINATED IN MILLWORK	SM	SOUND MASKING	Δ	DELTA
CONTR	CONTRACTOR	HTR	HEATER	N.C.	NORMALLY CLOSED	SPR	SPEAKER	*	FEET
CU	COPPER	HV	HIGH VOLTAGE	NEC	NATIONAL ELECTRICAL CODE	SR	SURFACE RACEWAY	#	NUMBER
CW	COMPLETE WITH	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	STA	STATION	Ø	PHASE
DEPT	DEPARTMENT					STD	STANDARD	CL	CENTER LINE
DET	DETAIL					SURF	SURFACE MOUNTED	PL	PLATE
DIA	DIAMETER								

ELECTRICAL SYMBOL NOTES

- FLO1
A-12b
- EX1/BU1
A-14
- A-16
- H₂D
- EQ-1
A-13.5
- LPN-102
- (TYP)
- THE LIGHTING FIXTURE TYPE IS INDICATED BY UPPER CASE LETTERS AND NUMBERS. THE CIRCUIT DESIGNATION IS INDICATED BY LETTERS AND NUMBERS SEPERATED BY DASH. THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER.
- EXAMPLE 1: LIGHTING FIXTURE TYPE "FLO1" IS CONNECTED TO PANEL A, CIRCUIT 12 AND CONTROLLED BY SWITCH "b".
- EXIT LIGHTS: STEM INDICATES WALL MOUNTING. NO STEM INDICATES CEILING MOUNTING. SHADED AREA INDICATES ILLUMINATED FACE(S). ARROW INDICATES DIRECTIONAL ARROW ON ILLUMINATED FACE(S). THE SIGNAGE TYPE IS INDICATED BY UPPER CASE LETTERS AND NUMBERS PRECEDING THE "T". THE ASSOCIATED BATTERY BANK IS INDICATED BY UPPERCASE LETTERS AND NUMBERS FOLLOWING THE "Y". THE AC CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. EXAMPLE: THE WALL MOUNTED EXIT LIGHT TYPE "EX1" WITH SINGLE FACE AND DIRECTIONAL ARROW IS CONNECTED TO BATTERY BANK "BU1" AND AC CIRCUIT 14 FROM PANEL A.
- DEVICES: THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. EXAMPLE: SPLIT DUPLEX RECEPTACLE IS CONNECTED TO PANEL A, CIRCUIT 16 AND ONE RECEPTACLE OUTLET IS CONTROLLED BY A SWITCH.
- THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SINGLE POLE SWITCH "b" TO CONTROL LIGHTING FIXTURES INDICATED BY "d".
- SPECIAL CONNECTIONS: THE EQUIPMENT IS INDICATED BY THE TAG. SEE THE MOTOR AND EQUIPMENT SCHEDULE FOR THE LOAD DESCRIPTION AND TYPE OF CONNECTION. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: EQUIPMENT NO. 1, 3 PHASE CONNECTION TO PANEL A, CIRCUITS 1, 3, 5.
- PANELBOARDS: PANELBOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIDE OF RECESSED PANELBOARDS. SEE PANELBOARD IDENTIFICATION FOR DESIGNATION CODES.
- KEYNOTE: SEE THE KEYED NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED. (TYP) INDICATES THAT THE NOTE IS TYPICAL OF THE APPLICATION.
- SYMBOL NOTATIONS: UPPER CASE LETTERS ADJACENT TO SYMBOLS INDICATE A UNIT TYPE. SEE APPROPRIATE SCHEDULE OR SPECIFICATIONS.

ELECTRICAL DRAWINGS

- SYMBOLS & ABBREVIATIONS
- E001 ELECTRICAL SYMBOLS & ABBREVIATIONS
- DEMOLITION PLANS
- EDL2.3 THIRD FLOOR - LIGHTING DEMOLITION
- EDP2.3 THIRD FLOOR - POWER & SYSTEMS DEMOLITION
- LIGHTING PLANS
- EL2.3 THIRD FLOOR - LIGHTING
- POWER PLANS
- EP2.3 THIRD FLOOR - POWER & SYSTEMS
- SYSTEM PLANS
- ES2.3 THIRD FLOOR - SECURITY & AUDIO VISUAL SYSTEMS
- DIAGRAMS & SCHEDULES
- E5.1 ELECTRICAL SCHEDULES AND DETAILS
- E5.2 ELECTRICAL DETAILS
- E5.3 PANEL SCHEDULES & SINGLE LINE DIAGRAM
- E5.4 FIRE ALARM RISER DIAGRAM



1
EDL2.3
THIRD FLOOR DEMOLITION PLAN - LIGHTING
SCALE: 1 : 100

GENERAL NOTES

- A. COORDINATE ALL WORK REQUIRING SHUT-DOWN OF EXISTING SYSTEMS THAT COULD AFFECT EXISTING TENANTS WITH THE DEPARTMENTAL REPRESENTATIVE AT A TIME AND MANNER SUITABLE TO THEM.
- B. EXISTING INTEGRATED LIGHTING IN PERIMETER BULKHEAD TO REMAIN. PROTECT DURING CONSTRUCTION.
- C. DEMOLISH EXISTING LIGHTING CONTROL SYSTEM FROM RENOVATION SPACE.
- D. DEMOLISH ALL EXISTING LIGHT SWITCHES FROM RENOVATION SPACE.
- E. CONTRACTOR SHALL REMOVE ALL EXISTING ABANDONED WIRING IN CEILING SPACE BACK TO ITS REMAINING SOURCE.
- F. SCOPE OF WORK IN HATCHED AREAS LIMITED TO THE REPLACEMENT OF EXISTING EXIT SIGNS.

KEY NOTES

1. REMOVE EXISTING LIGHTING FIXTURES. TURN OVER FOUR (4) FIXTURES TO BUILDING MANAGEMENT GROUP (BGM) FOR STORAGE ON THE TWELFTH FLOOR AND DEMOLISH REMAINDER. SALVAGE ANY LED TUBES AND DRIVERS AND PACKAGE TO BE TURNED OVER TO BUILDING MANAGER. DEMOLISH FLOURESCENT TUBES AND BALLASTS.
2. REMOVE EXISTING EXIT SIGN. EXISTING CIRCUIT TO REMAIN FOR INSTALLATION OF NEW EXIT SIGNS.
3. REMOVE EXISTING CEILING MOUNTED OCCUPANCY SENSOR AND TURN OVER TO BUILDING MANAGER FOR STORAGE ON THE TWELFTH FLOOR.
4. REMOVE AND RETAIN EXISTING LITHONIA BLT SERIES LED LIGHT FIXTURES FOR NEW CONSTRUCTION.



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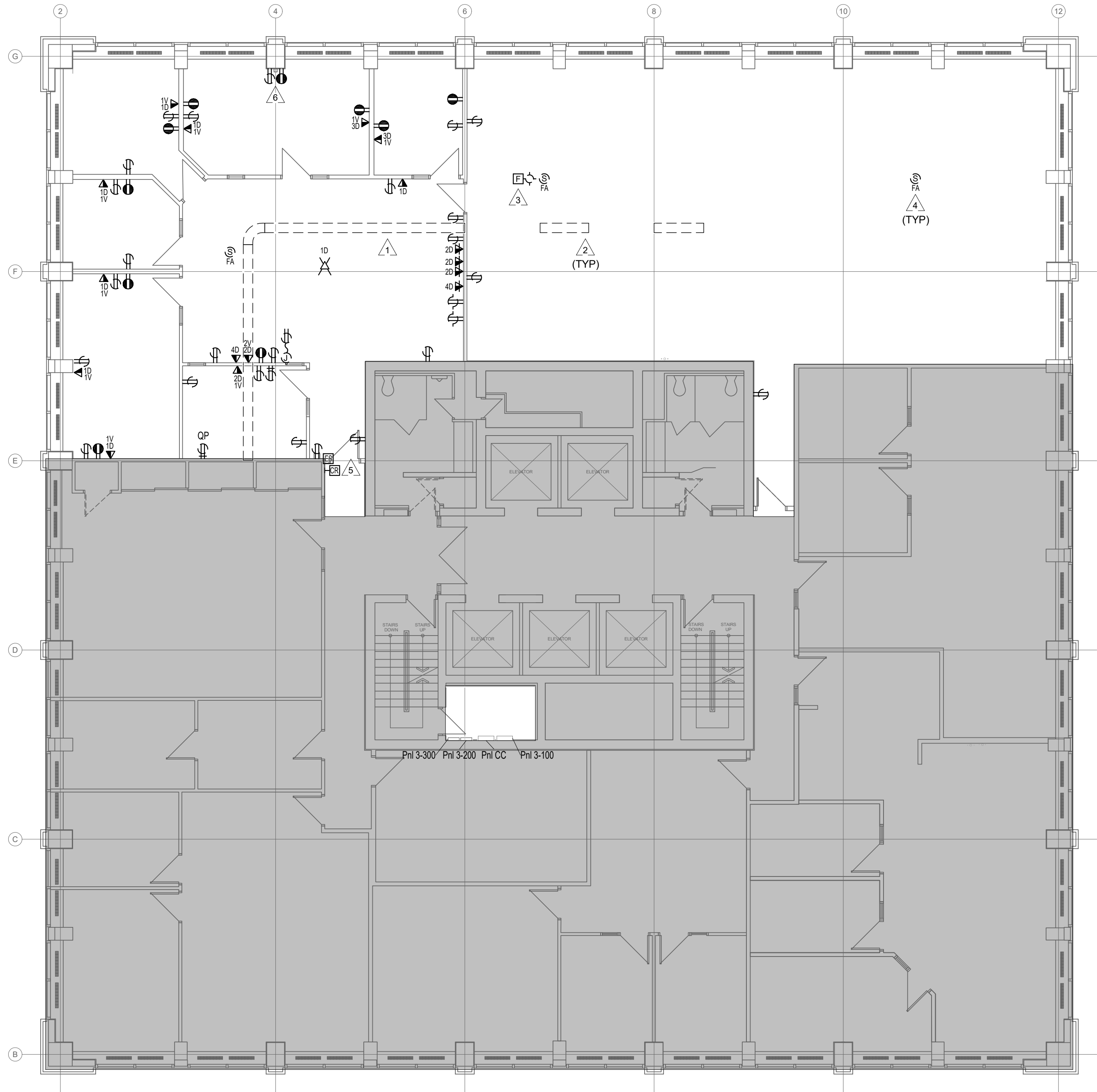
Project title
**GLOBAL AFFAIRS CANADA (GAC)
303 MAIN STREET WINNIPEG, MB**

REGIONAL OFFICE FIT-UP

Designed by ZA	Conçu par
Drawn by ZA	Dessiné par
Approved by MP	Approuvé par
PWGSC Project Manager	Administrateur de Projets TPSGC

Drawing title
THIRD FLOOR - LIGHTING DEMOLITION

Project no./No. du projet R.104185	Drawing no./No. du dessin EDL2.3 OF	Revision no.
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1
EDP2.3
THIRD FLOOR PLAN - POWER DEMOLITION
SCALE: 1 : 100

GENERAL NOTES

- A. COORDINATE ALL WORK REQUIRING SHUT-DOWN OF EXISTING SYSTEMS THAT COULD AFFECT EXISTING TENANTS WITH THE DEPARTMENTAL REPRESENTATIVE AT A TIME AND MANNER SUITABLE TO THEM.
- B. CONTRACTOR SHALL REMOVE ALL EXISTING ABANDONED WIRING BACK TO SOURCE.
- C. CONTRACTOR SHALL SECURE ALL EXISTING UN-SUPPORTED WIRING, CONDUIT, AND JUNCTION BOXES TO MEET MINIMUM CODE REQUIREMENTS.
- D. PROVIDE BLANK COVERPLATES OVER ALL EXISTING UNUSED OPENINGS.
- E. DEMOLISH ALL ELECTRICAL DEVICES IN WALLS, FLOORS, OR CEILINGS AS INDICATED. CONFIRM EXTENT OF DEMOLITION WITH ALL DISCIPLINE DRAWINGS. REROUTE/EXTEND/RE-FEED EXISTING ELECTRICAL AS REQUIRED TO MAINTAIN EXISTING SYSTEMS NOT INDICATED TO BE REMOVED.
- F. WHERE BRANCH CIRCUIT BREAKERS ARE REMOVED, PROVIDE FILLER PLATES FOR BREAKER SPACES.

KEY NOTES

1. DEMOLISH EXISTING CABLE TRAY AS INDICATED.
2. DEMOLISH EXISTING ABANDONED CABLE TRAY SECTION.
3. REMOVE AND RETAIN EXISTING SIEMENS SERIES ZR FIRE ALARM STROBE WITH MOUNTING HARDWARE FOR NEW CONSTRUCTION.
4. REMOVE AND RETAIN EXISTING SIEMENS CS-8000 SERIES FIRE ALARM SPEAKER WITH MOUNTING HARDWARE FOR NEW CONSTRUCTION.
5. REMOVE WIRING AND CONDUIT FOR EXISTING ACCESS CONTROL SYSTEM BACK TO SOURCE. EXISTING ACCESS CONTROL DEVICES TO BE REMOVED AND DISCONNECTED AT SOURCE BY OTHERS (CGC).
6. DEMOLISH EXISTING FURNITURE POWER POLE AND INTEGRATED RECEPTACLES.



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Project title
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303 MAIN STREET WINNIPEG, MB

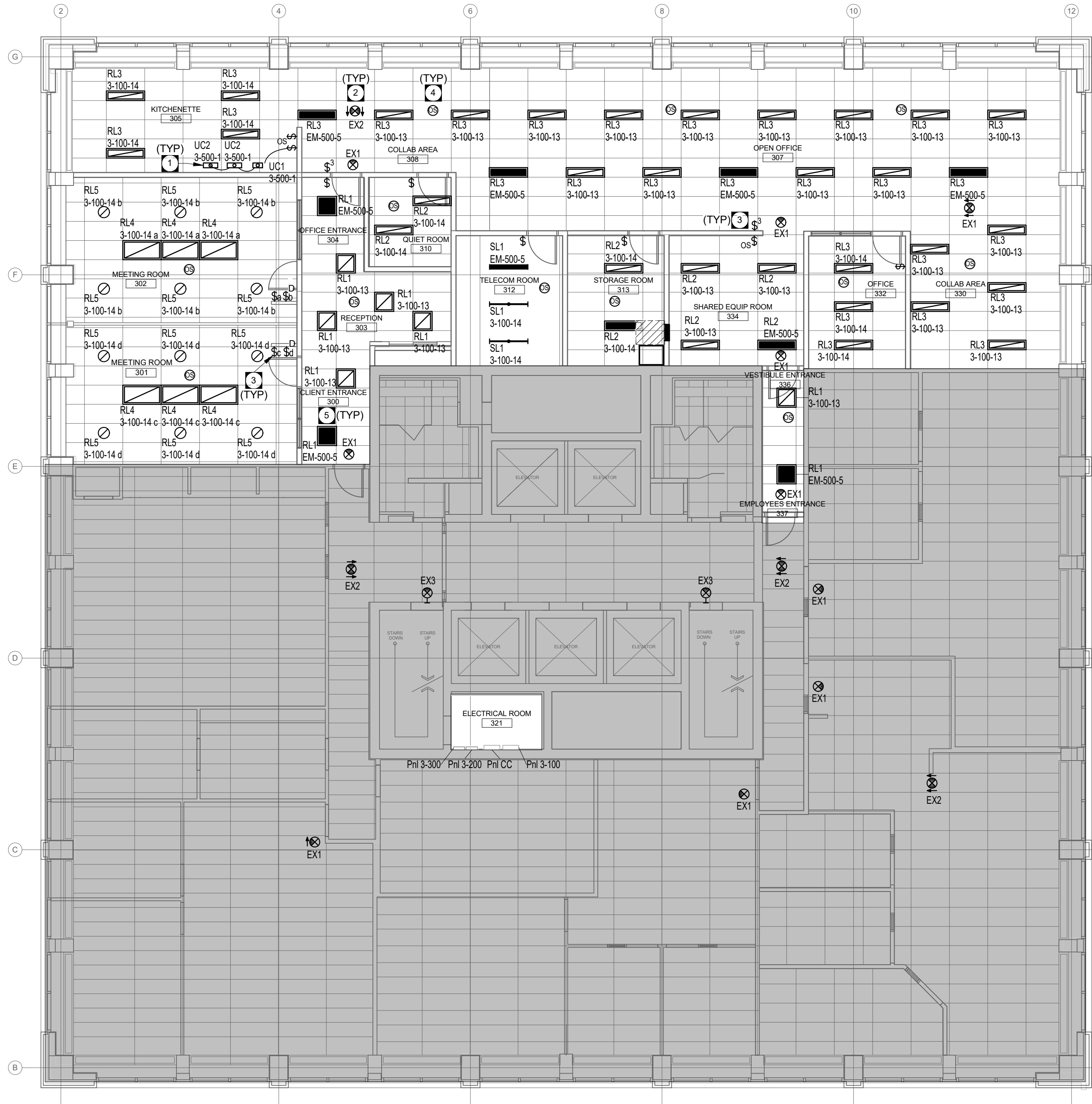
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Drawn by ZA	Dessiné par
Approved by MP	Approuvé par
PWGSC Project Manager	Administrateur de Projets TPSPGC

Drawing title
THIRD FLOOR - POWER & SYSTEMS
DEMOLITION

Project no./No. du projet R.104185	Drawing no./No. du dessin EDP2.3 OF	Revision no.
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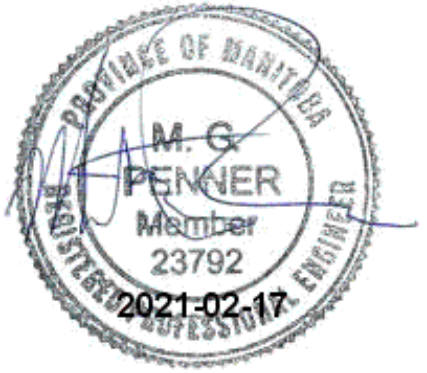
1 THIRD FLOOR PLAN - LIGHTING
EL2.3 SCALE: 1 : 100

GENERAL NOTES

- WHERE NEW TOGGLE SWITCHES, OR DIMMER CONTROLS ARE ADJACENT EACH OTHER, PROVIDE GANGED SWITCHING TO ACCOMMODATE TOTAL NUMBER OF SWITCHES, UNLESS NOTED OTHERWISE.
- COORDINATE ALL WORK REQUIRING SHUT-DOWN OF EXISTING SYSTEMS THAT COULD AFFECT EXISTING TENANTS WITH THE BUILDING OWNER AT A TIME AND MANNER SUITABLE TO THEM.
- CONTRACTOR SHALL CONFIRM ALL SYSTEMS TO BE IN WORKING CONDITION PRIOR TO CARRYING OUT MODIFICATIONS. WHERE EXISTING SYSTEMS ARE NOT OPERABLE, NOTIFY THE DEPARTMENTAL REPRESENTATIVE PRIOR TO CARRYING OUT WORK.
- WHERE EXISTING WIRING AND CONDUIT ARE RE-USED, VERIFY CONDITION, FASTENING AND SUPPORT MEET CODE REQUIREMENTS.
- ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.
- ALL MOUNTING HEIGHTS FOR LUMINAIRES ARE TO THE BOTTOM OF THE LUMINAIRE UNLESS NOTED OTHERWISE.
- REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF INTERIOR LUMINAIRES.
- ALL LIFE-SAFETY SYSTEMS SHALL BE MAINTAINED AND OPERABLE AT ALL TIMES DURING CONSTRUCTION.
- IDENTIFY ALL ELECTRICAL SYSTEMS, CIRCUITS, AND CONDUITS PRIOR TO MAKING NEW CONNECTIONS.
- VERIFY ALL EMERGENCY LIGHTING CIRCUITS AND LIGHTING PLACEMENT ON RENOVATION AREA. VERIFY THAT MINIMUM 10 LUX LIGHTING LEVELS ARE MAINTAINED IN ALL EXITS. PRINCIPAL ROUTES PROVIDING ACCESS TO EXIT IN OPEN FLOOR AREAS AND PUBLIC CORRIDORS.
- CONTRACTOR SHALL ENSURE FURNITURE POWER POLES DO NOT INTERFERE WITH LIGHT FIXTURES. RELOCATE LIGHTING WHERE REQUIRED TO ACCOMMODATE.
- LIGHT FIXTURES ON EMERGENCY LIGHTING CIRCUIT SHALL HAVE WIRING, CONDUIT, AND JUNCTION BOXES MAINTAINED SEPARATELY FROM ALL OTHER LIGHTING.
- PROVIDE NEW CENTRALIZED AND NETWORKED LIGHTING CONTROL SYSTEM.
- NEW LIGHTING CONTROL DEVICES SHALL HAVE CAPABILITY TO BE NETWORKED.
- SCOPE OF WORK IN HATCHED AREAS LIMITED TO THE REPLACEMENT OF EXISTING EXIT SIGNS WITH NEW.

KEY NOTES

- PROVIDE UNDER CABINET FIXTURE COMPLETE WITH ON/OFF SWITCH AT THE MILLWORK.
- WIRE AND CONNECT NEW EXIT SIGNS TO EXISTING EXIT SIGNAGE CIRCUIT. REWORK AND EXTEND EXISTING CIRCUITING AS NECESSARY.
- PROVIDE OVERRIDE-OFF WALL SWITCH IN SPACES WHERE CEILING OCCUPANCY SENSORS ARE INSTALLED.
- PROVIDE CEILING MOUNTED OCCUPANCY SENSORS COMPLETE WITH DIGITAL TIME CLOCK OVERRIDE-ON SUCH THAT LUMINAIRES IN OPEN OFFICES, WAITING AREA, RECEPTION, AND CORRIDORS WILL BE ON DURING NORMAL HOURS, AND ON OCCUPANCY SENSOR CONTROL AFTER HOURS. PROVIDE DAYLIGHT HARVESTING IN MEETING ROOMS, KITCHENETTE, COLLAB AREAS, AND OPEN OFFICES.
- WIRE AND CONNECT LIGHT FIXTURES ON EMERGENCY CIRCUITS BY EXTENDING EXISTING EMERGENCY LIGHTING CIRCUIT. CONFIRM CAPACITY ON CIRCUIT FOR NEW FIXTURES. EMERGENCY PANEL EM-500 LOCATED ON TWELFTH FLOOR.



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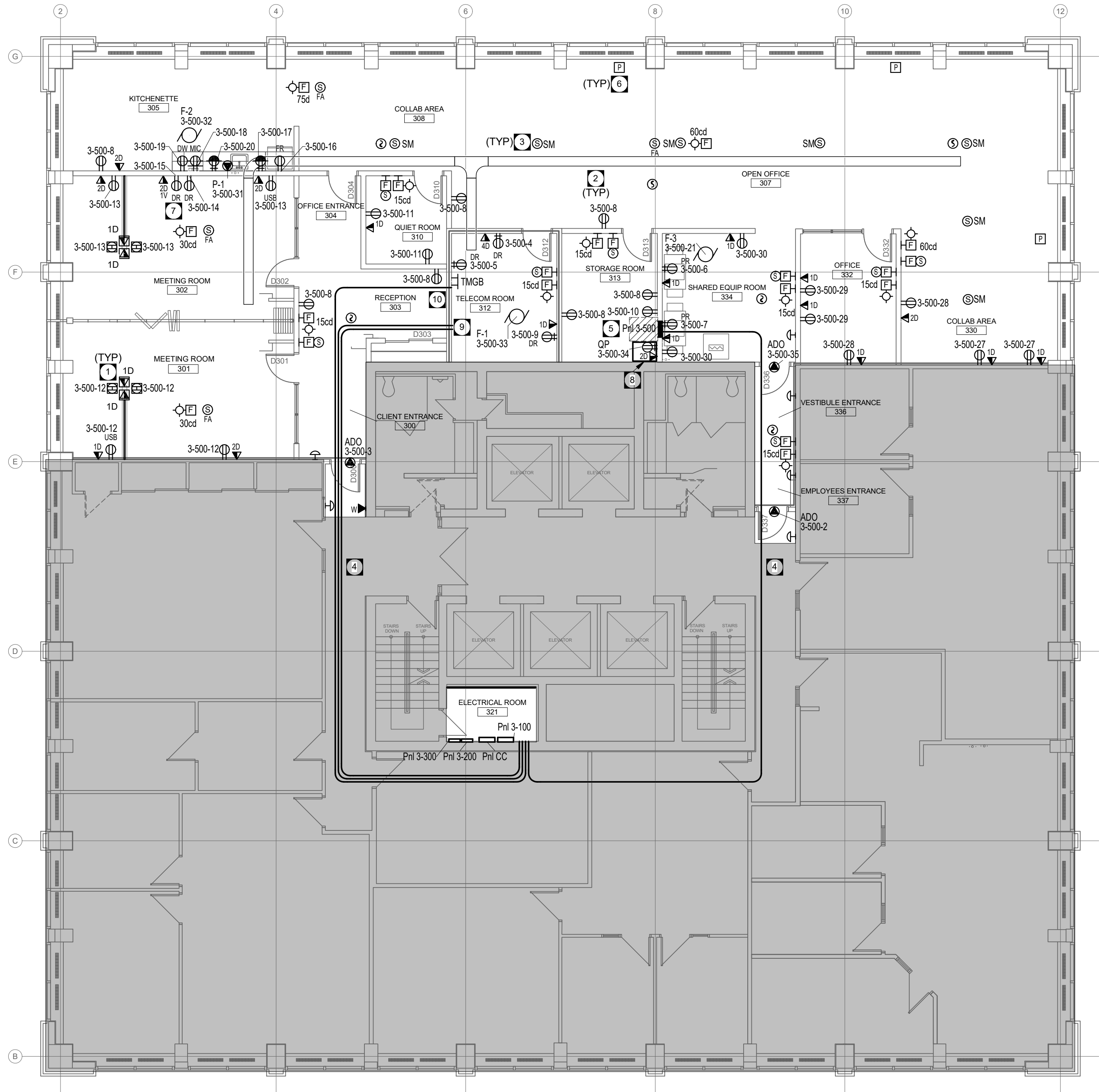
Project title
GLOBAL AFFAIRS CANADA (GAC)
303 MAIN STREET WINNIPEG, MB

REGIONAL OFFICE FIT-UP

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Approved by	Approuvé par
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PWGSC Project Manager	Administrateur de Projets TPSGC

Drawing title
THIRD FLOOR - LIGHTING

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.104185	EL2.3 OF	



1
EP2.3
THIRD FLOOR PLAN - POWER & SYSTEMS
SCALE: 1 : 100

GENERAL NOTES

- A. OUTLETS OR EQUIPMENT SHALL BE MOVED TO ANY POINT WITHIN A 10' RADIUS WHEN THE CONSULTANT REQUESTS RELOCATION BEFORE THE WORK HAS BEEN SUBSTANTIALLY COMPLETED, WITHOUT ADDITIONAL COST.
- B. FINAL CONNECTION TO ALL MECHANICAL EQUIPMENT SHALL BE FLEXIBLE. CONFIRM FINAL CIRCUIT BREAKER AND WIRE SIZE WITH MECHANICAL EQUIPMENT SHOP DRAWINGS. ADJUST CIRCUIT BREAKER AND WIRE SIZE AS REQUIRED WITHOUT ADDITIONAL COST TO OWNER.
- C. ALL SYSTEMS FURNITURE IS COMPLETE WITH RECEPTACLES AND INTERNAL WIRING. CONTRACTOR SHALL WIRE AND CONNECT WHIP CONNECTION. COORDINATE EXACT LOCATIONS AND NUMBER OF DROPS AND CIRCUITS WITH FURNITURE SHOP DRAWINGS. COORDINATE ALL WORK REQUIRING SHUT-DOWN OF EXISTING SYSTEMS THAT COULD AFFECT EXISTING TENANTS WITH THE BUILDING OWNER AT A TIME AND MANNER SUITABLE TO THEM.
- D. PROVIDE RE-VERIFICATION OF FIRE ALARM SYSTEM FOR ALL NEW AND MODIFIED DEVICES.
- E. REFER TO FIRE ALARM RISER AND ZONE SCHEDULE FOR INITIATING ZONES AND SIGNAL CIRCUITS.
- F. COMMUNICATIONS OUTLETS SHOWN FOR COORDINATION ONLY. ALL DATA RACKS, CABLING, AND TERMINATION BY SSC (NIC). ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PATHWAY AND ROUGH-IN REQUIRED FOR COMMUNICATION OUTLETS.
- G. COMMUNICATIONS CABLING PATHWAY SHALL BE INSTALLED IN CONDUIT IN INACCESSIBLE AREAS, INCLUDING WALL CAVITIES. PROVIDE BUSINGS AT THE ENDS OF ALL CONDUIT WHERE STUBBED ABOVE ACCESSIBLE CEILINGS OR WHERE DROPPED INTO CABLE TRAY. PROVIDE CABLE HOOKS AND CABLE TRAYS IN ACCESSIBLE CEILINGS FOR CABLE INSTALLATION.
- H. CONTRACTOR SHALL SECURE ALL EXISTING UN-SUPPORTED WIRING, CONDUIT, AND JUNCTION BOXES TO MEET MINIMUM CODE REQUIREMENTS.
- I. CONTRACTOR SHALL RELOCATE AND EXTEND ANY WIRING AND CONDUIT AS NECESSARY AWAY FROM UNDERSIDE OF BEAM TO ACCOMMODATE THE INSTALLATION OF THE NEW SLIDING WALL SYSTEM IN MEETING ROOM 302.
- J. ALL SOUND MASKING CABLING SHALL BE FT6 RATED. HOMERUN ALL SOUND MASKING CABLING BACK TO NEW SOUND MASKING WALL MOUNT RACK IN STORAGE ROOM 313. PROVIDE J-HOOKS MOUNTED TO CABLE TRAY FOR SOUND MASKING CABLING. SOUND MASKING CABLING SHALL NOT BE ROUTED INSIDE CABLE TRAY.

KEY NOTES

1. PROVIDE FLOOR MOUNTED RECEPTACLES. WIRING TO BE PROVIDED VIA FLOOR MOUNTED RACEWAY. PROVIDE LOW PROFILE AND ADA COMPLIANT OVER-FLOOR MULTI-CHANNEL RACEWAY AT FLOOR LEVEL AS INDICATED. PROVIDE ALL NECESSARY FITTINGS AND ACCESSORIES FOR A COMPLETE LOW PROFILE OVER-FLOOR RACEWAY SYSTEM.
2. PROVIDE NEW WIRE BASKET TYPE CABLE TRAY FOR NEW VOICE/DATA CABLING. COORDINATE WITH NEW AND EXISTING MECHANICAL EQUIPMENT.
3. PROVIDE NEW SOUND MASKING SYSTEM COMPLETE WITH SOUND MASKING CONTROLLER AND SOUND MASKING SPEAKERS LOCATED ABOVE CEILING. HOMERUN ALL DEVICES BACK TO NEW SOUND MASKING WALL MOUNT RACK IN STORAGE ROOM 313.
4. APPROXIMATE LOCATION OF ACCESSIBLE CEILING SPACE TO RUN WIRING AND CONDUITS TO RENOVATION SPACE. CONFIRM EXACT ROUTING ON SITE. WALL SCANNING-X-REF SHALL BE DONE PRIOR TO ANY CONCRETE DRILLING. COORDINATE ACCESS WITH DEPARTMENTAL REPRESENTATIVE.
5. PROVIDE NEW 120/208V 100A 3 PH PANELBOARD. REFER TO SINGLE LINE DIAGRAM.
6. LOCATION OF POWER POLE AND CONNECTION REQUIREMENTS TO BE COORDINATE WITH FURNITURE LAYOUT AND DEPARTMENTAL REPRESENTATIVE.
7. PROVIDE DATA AND POWER RECEPTACLES FOR ANY CREDENZAS AT 305MM ABOVE FINISHED FLOOR TO BOTTOM OF COVER PLATE. COORDINATE INSTALLATION WITH FURNITURE LAYOUT.
8. PROVIDE WALL MOUNT RACK FOR SOUND MASKING SYSTEM.
9. PROVIDE TWO (2) 52MM EMT CONDUIT COMPLETE WITH PULL STRING. STUB OUT CONDUITS INTO TELECOM ROOM TO DROP-OUT INTO WIRE BASKET TRAY. PROVIDE 103MM X 52 MM WIRE BASKET TRAY ALONG WEST WALL OF TELECOM ROOM TO NEW DATA RACK. COORDINATE INSTALL WITH SSC CABLE DESIGNER.
10. PROVIDE ONE (1) 20MM EMT CONDUIT WITH #6AWG GREEN JACKETED STRANDED GROUND WIRE. INTERCONNECT TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) TO BUILDING ELECTRICAL GROUND IN ELECTRICAL ROOM WITH GROUND WIRE.



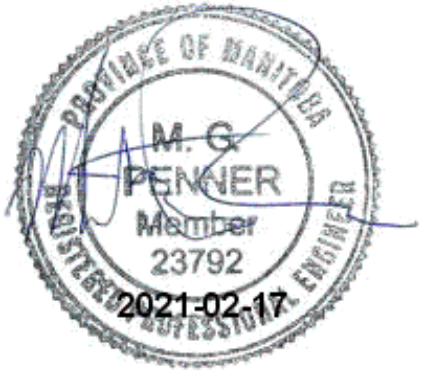
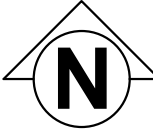
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Project title
GLOBAL AFFAIRS CANADA (GAC)
303 MAIN STREET WINNIPEG, MB

REGIONAL OFFICE FIT-UP

Designed by Conçu par

ZA

Drawn by Dessiné par

ZA

Approved by Approuvé par

MP

PWGSC Project Manager Administrateur de Projets TPSGC

Drawing title Titre du dessin

THIRD FLOOR - POWER & SYSTEMS

Project no./No. du projet

R.104185

Drawing no./No. du dessin

EP2.3

OF

Revision no.



1
ES2.3
THIRD FLOOR PLAN - SECURITY & AV SYSTEMS
SCALE: 1 : 100

GENERAL NOTES

- A. EQUIPMENT SHALL BE MOVED TO ANY POINT WITHIN A 10' RADIUS WHEN THE CONSULTANT REQUESTS RELOCATION BEFORE THE WORK HAS BEEN SUBSTANTIALLY COMPLETED, WITHOUT ADDITIONAL COST.
- B. COORDINATE ALL WORK REQUIRING SHUT-DOWN OF EXISTING SYSTEMS THAT COULD AFFECT EXISTING TENANTS WITH THE BUILDING OWNER AT A TIME AND MANNER SUITABLE TO THEM.
- C. ALL INTRUSION DETECTION, ACCESS CONTROL, AND CCTV SYSTEM DEVICES SHOWN FOR REFERENCE ONLY AND ARE TO BE PROVIDED BY OTHERS. THE WORK OF THIS CONTRACT INCLUDES THE SUPPLY AND INSTALL OF ALL CONDUIT AND JUNCTION BOXES COMPLETE WITH PULL STRINGS AND CABLES AS DESIGNED BY THE SYSTEM SUPPLIER. ALL END OF LINE DEVICES MUST BE ROUTED BACK TO THE SECURITY PANEL IN THE TELECOM ROOM AND OR SWITCHES/PORTS.
- D. ALL JUNCTION BOXES FOR INTRUSION DETECTION, ACCESS CONTROL, AND CCTV SYSTEMS MUST BE LOCKABLE. PROVIDE JUNCTION BOXES WITH HASP TO ACCOMMODATE 8MM DIAMETER SHACKLE/PADLOCKS. PADLOCKS TO BE SUPPLIED BY OTHERS.
- E. ALL CONDUIT FOR INTRUSION DETECTION, ACCESS CONTROL, AND CCTV SYSTEMS SHALL BE RED & YELLOW TAPE. 152MM FROM JUNCTION BOXES. CONNECTIONS BY USE OF COMPRESSION COUPLERS ONLY. RIGHT ANGLE COUPLERS NOT PERMITTED.
- F. ALL AUDIO/VISUAL SYSTEM DEVICES SHOWN FOR COORDINATION ONLY AND ARE TO BE PROVIDED BY OTHERS. THE WORK OF THIS CONTRACT INCLUDES THE SUPPLY AND INSTALL OF ALL CONDUIT AND JUNCTION BOXES COMPLETE WITH PULL STRINGS AND CABLES AS DESIGNED BY THE SYSTEM SUPPLIER.
- G. CONTRACTOR SHALL SECURE ALL EXISTING UN-SUPPORTED WIRING, CONDUIT, AND JUNCTION BOXES TO MEET MINIMUM CODE REQUIREMENTS.
- H. CONTRACTOR SHALL RELOCATE AND EXTEND ANY WIRING AND CONDUIT AS NECESSARY AWAY FROM UNDERSIDE OF BEAM TO ACCOMMODATE THE INSTALLATION OF THE NEW SLIDING WALL SYSTEM IN MEETING ROOM 302.

KEY NOTES

1. PROVIDE 41MM EMT CONDUIT FROM TWO GANG BOX COMPLETE WITH MUD RING TO STUB OUT IN THE CEILING FOR A/V CABLES (3X CAT5). CABLES TO BE PROVIDED TO A/V MICROPHONES, SPEAKERS, AND PARTITION WALL SENSOR. PROVIDE 21MM EMT CONDUIT FROM A/V CREDEENZA TO LIGHTING CONTROLLER.
2. PROVIDE 21MM EMT CONDUIT FROM SINGLE GANG BOX TO STUB OUT IN CEILING SPACE FOR A/V TOUCH PANEL. INTERCONNECT A/V TOUCH PANEL WITH LIGHTING CONTROL SYSTEM TO PROVIDE EMERGENCY OFF FUNCTION.
3. PROVIDE NEW SINGLE GANG BOX AT 350MM ABOVE FINISHED FLOOR TO CENTRE LINE OF BOX FOR WATER DETECTOR SENSOR. PROVIDE 18MM CONDUIT FROM BOX TO CEILING MOUNTED JUNCTION BOX. WATER DETECTOR SENSOR SUPPLIED AND INSTALLED BY GAC SECURITY CONTRACTOR. COORDINATE CABLING REQUIREMENTS WITH SECURITY CONTRACTOR.
4. PROVIDE NEW SINGLE GANG BOX AT 1000MM ABOVE FINISHED FLOOR TO CENTRE LINE OF BOX FOR DURESS BUTTON. PROVIDE 18MM CONDUIT FROM BOX TO CEILING MOUNTED JUNCTION BOX. DURESS BUTTON SUPPLIED AND INSTALLED BY GAC SECURITY CONTRACTOR. COORDINATE CABLING REQUIREMENTS WITH SECURITY CONTRACTOR.
5. PROVIDE NEW SINGLE GANG BOX AT 1500MM ABOVE FINISHED FLOOR TO CENTRE LINE OF BOX FOR MASTER AND SUB-MASTER HAND STATIONS. PROVIDE 18MM CONDUIT FROM BOX TO CEILING MOUNTED JUNCTION BOX. PROVIDE ONE (1) 2/22 AWG CABLE HOME FROM FROM MASTER HAND STATION TO SUB-MASTER HAND STATION. PROVIDE 2/22 AWG CABLE HOME RUN FROM HAND STATIONS TO DOOR D300 JUNCTION BOX FOR DOOR RELEASE. HAND STATIONS SUPPLIED BY GAC SECURITY CONTRACTOR.
6. PROVIDE NEW SINGLE GANG RECEPTACLE IN CEILING SPACE FOR MASTER VIDEO INTERCOM POWER SUPPLY.
7. PROVIDE NEW SINGLE GANG BOX AT 1500MM ABOVE FINISHED FLOOR TO CENTRE LINE OF BOX FOR VIDEO INTERCOM. PROVIDE 18MM CONDUIT FROM BOX TO CEILING MOUNTED JUNCTION BOX. PROVIDE ONE (1) 2/22 AWG CABLE HOME RUN FROM VIDEO INTERCOM TO MASTER HAND STATION. VIDEO INTERCOM WIRING MUST MAINTAIN 30MM SEPARATION FROM ALL LINE VOLTAGE WIRING. VIDEO INTERCOM SUPPLIED AND INSTALLED BY GAC SECURITY CONTRACTOR.
8. PROVIDE SINGLE GANG BOX FOR CEILING MOUNTED PARTITION SENSOR.



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Project title
**GLOBAL AFFAIRS CANADA (GAC)
303 MAIN STREET WINNIPEG, MB**

REGIONAL OFFICE FIT-UP

Designed by Conçu par

ZA

Drawn by Dessiné par

ZA/CL

Approved by Approuvé par

MP

PWGSC Project Manager Administrateur de Projets TPSGC

Drawing title Titre du dessin

**THIRD FLOOR - SECURITY & AUDIO
VISUAL SYSTEMS**

Project no./No. du projet

R.104185

Drawing no./No. du dessin

ES2.3

OF

Revision no.


es

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Project

REGIONAL OFFICE FIT-UP

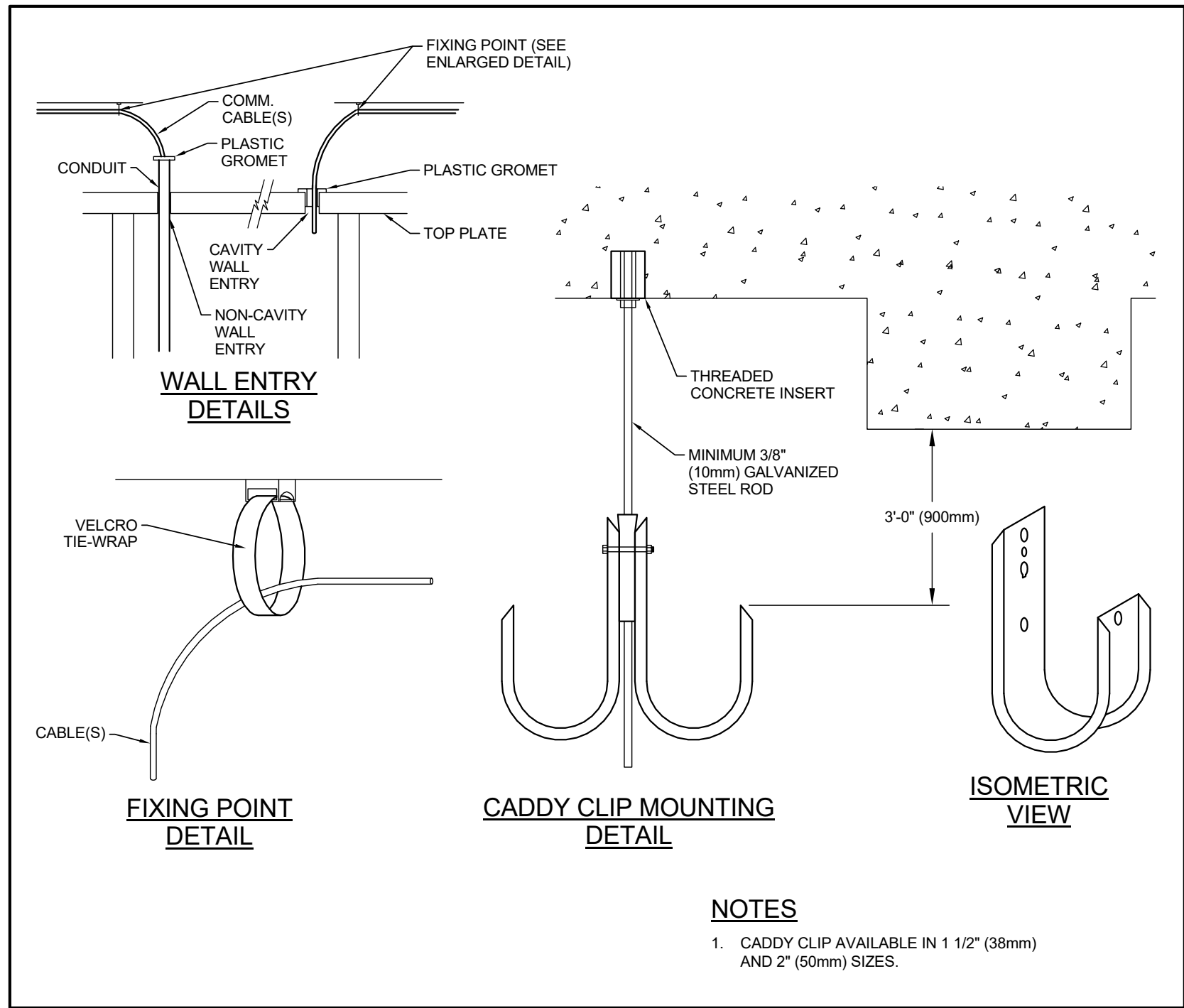
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Approved by MP	Approuvé par
PWGSC Project Manager	Administrateur de Projets TPSGC

Drawing title	Titre du dessin
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ELECTRICAL SCHEDULES AND
DETAILS

Project no./No. du projet R.104185	Drawing no./No. du dessin E5.1 OF	Revision no.
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ELECTRICAL EQUIPMENT SCHEDULE																
NO.	DESCRIPTION	ROOM	LOAD			VOLT	PH	CIRCUIT	CONDUIT & WIRE SIZE	STARTER		CONTROL DEVICE		DISCONNECT		NOTES
			HP	A	W					COMPONENT	FURN INST. WIRED	COMPONENT	FURN INST. WIRED	COMPONENT	FURN INST. WIRED	
ADO	AUTOMATIC DOOR OPERATOR	343		3 A		120 V	1	3-500-3	21(3/4")C 2#12 #12 BOND	PKG	---	PB	DIV. 08 DIV. 26 DIV. 26	---	---	2
ADO	AUTOMATIC DOOR OPERATOR	336		3 A		120 V	1	3-500-35	21(3/4")C 2#12 #12 BOND	PKG	---	PB	DIV. 08 DIV. 26 DIV. 26	---	---	2
ADO	AUTOMATIC DOOR OPERATOR	347		3 A		120 V	1	3-500-2	21(3/4")C 2#12 #12 BOND	PKG	---	PB	DIV. 08 DIV. 26 DIV. 26	---	---	2
F-1	EXHAUST FAN	312		4.7 A		120 V	1	3-500-33	21(3/4")C 2#12 #12 BOND	---	---	TS	DIV. 23 DIV. 23 DIV. 26	NFS	DIV. 26 DIV. 26 DIV. 26	1
F-2	EXHAUST FAN	305		1 A		120 V	1	3-500-32	21(3/4")C 2#12 #12 BOND	---	---	---	---	NFS	DIV. 26 DIV. 26 DIV. 26	
F-3	EXHAUST FAN	334		1 A	120 V	1	3-500-21	21(3/4")C 2#12 #12 BOND	---	---	---	---	NFS	DIV. 26 DIV. 26 DIV. 26		
P-1	PUMP KITCHENETTE	305		9.8 A	120 V	1	3-500-31	21(3/4")C 2#12 #12 BOND	PKG	---	---	---	RECP	DIV. 26 DIV. 26 DIV. 26		
<div><div>STARTER TYPES: FVNR FULL VOLTAGE NON-REVERSING FVR FULL VOLTAGE REVERSING 2SPD TWO SPEED VFD VARIABLE FREQUENCY DRIVE RVS REDUCED VOLTAGE PKG PACKAGED UNIT</div><div>STARTER OPTIONS: MAG MAGNETIC MAN MANUAL HOA HAND-OFF-AUTO SWITCH RP RED (RUN) PILOT LIGHT GP GREEN (POWER) PILOT LIGHT 0/0 ON-OFF SELECTOR SWITCH S/S STOP-START PUSHBUTTONS</div><div>COMBINATION DISCONNECT TYPES: FS FUSED SWITCH NFS NON-FUSED SWITCH MCP MOTOR CIRCUIT PROTECTOR CB CIRCUIT BREAKER</div><div>ABBREVIATIONS: EC ELECTRICAL CONTRACTOR MC MECHANICAL CONTRACTOR AS AQUASTAT DCP DUPLEX CONTROLLER GC GENERAL CONTRACTOR HS HUMIDSTAT INT INTERLOCKED (WITH)</div><div>SC SPEED CONTROL TC TIME CLOCK TS THERMOSTAT OWN OWNER PB PUSHBUTTON</div></div>																
GENERAL NOTES: A. CIRCUITING IS REPRESENTATIONAL ONLY. CONFIRM CIRCUITING ARRANGEMENTS ON SITE WITH EXISTING CONDITIONS.																
NOTES: 1. WIRE AND CONNECT LOW VOLTAGE TRANSFORMER AS SUPPLIED BY MECHANICAL. 2. WIRE AND CONNECT BARRIER FREE DOOR OPERATORS CW ASSOCIATED CONTROLS. CONFIRM REQUIREMENTS WITH DOOR HARDWARE CONTRACTOR AND DOOR OPERATOR SHOP DRAWINGS.																



J-HOOK WALL ENTRY DETAIL

LIGHTING FIXTURE SCHEDULE										
TYPE	Description	MOUNTING	LAMP	BALLAST / DRIVER	VOLT	WATT	MFR	CATALOG SERIES	NOTE	
EX1	LED UNIVERSAL MOUNT PICTOGRAM STYLE EXIT SIGN WITH WHITE ALUMINUM HOUSING, SINGLE FACE, AND CHEVRON ARROWS AS SHOWN ON PLANS.	UNIVERSAL	< 3W LED MIN 50000 HR	---	347 V	3 W				
EX2	LED UNIVERSAL MOUNT PICTOGRAM STYLE EXIT SIGN WITH WHITE ALUMINUM HOUSING, DOUBLE FACE, AND CHEVRON ARROWS AS SHOWN ON PLANS.	UNIVERSAL	< 3W LED MIN 50000 HR	---	347 V	3 W				
EX3	LED WALL MOUNT, UNIVERSAL VOLTAGE, SINGLE FACE PICTOGRAM STYLE EXIT SIGN WITH WHITE ALUMINUM HOUSING AND CHEVRON ARROWS AS SHOWN ON PLANS.	SURFACE WALL	< 3W LED MIN 50000 HR	---	347 V	3 W				
RL1	609.6MM X 609.6MM (2'X2') VOLUMETRIC RECESSED LED TROFFER	RECESSED IN T-BAR	347V, 3300LM, 82CRI, 4000K	0-10V DRIVER	347 V	26 W	LITHONIA	BLT SERIES		2
RL2	305MM X 1200MM(1'X4') VOLUMETRIC RECESSED LED TROFFER	RECESSED IN T-BAR	347V, 3000LM, 82 CRI, 4000K	0-10V DRIVER	347 V	33 W	LITHONIA	BLT SERIES		1,2
RL3	305MM X 1200MM(1'X4') VOLUMETRIC RECESSED LED TROFFER	RECESSED IN T-BAR	347V, 4000LM, 82 CRI, 4000K	0-10V DRIVER	347 V	33 W	LITHONIA	BLT SERIES		2
RL4	609.6MM X 1200MM(2'X4') VOLUMETRIC RECESSED LED TROFFER	RECESSED IN T-BAR	347V, 3000LM, 82 CRI, 4000K	0-10V DRIVER	347 V	33 W	LITHONIA	BLT SERIES		2
RL5	114mm (6") DIAMETER DIMMABLE LED DOWNLIGHT	RECESSED IN T-BAR	347V, 2000LM, 82 CRI, 4000K	0-10V DRIVER	347 V	23 W	LITHONIA	LDN6 ROUND SERIES		2
SL1	1220MM (4') LONG LED STRIP	SUSPENDED	347V, 5000LM, 90CRI, 4000k	LED DRIVER	347 V	40 W	HOLOPHANE	HZL SERIES		2
UC1	304.8MM(12") UNDER CABINET LED FIXTURE COMPLETE WITH SPLICE BOX AND ROW CONNECTOR	UNDERCABINET	120V, 415LM, 90CRI, 3000K	LED DRIVER	120 V	7 W	LITHONIA	UCLD SERIES		2
UC2	457.2MM(18") UNDER CABINET LED FIXTURE COMPLETE WITH SPLICE BOX AND ROW CONNECTOR	UNDERCABINET	120V, 603LM, 90CRI, 3000K	LED DRIVER	120 V	10 W	LITHONIA	UCLD SERIES		2
NOTES: 1. EXISTING LITHONIA BLT SERIES LED LIGHT FIXTURES TO BE RELOCATED AS SHOWN. 2. SUBSTITUTIONS NOT PERMITTED.										

JUNCTION BOX

SUSPENDED CEILING TILE

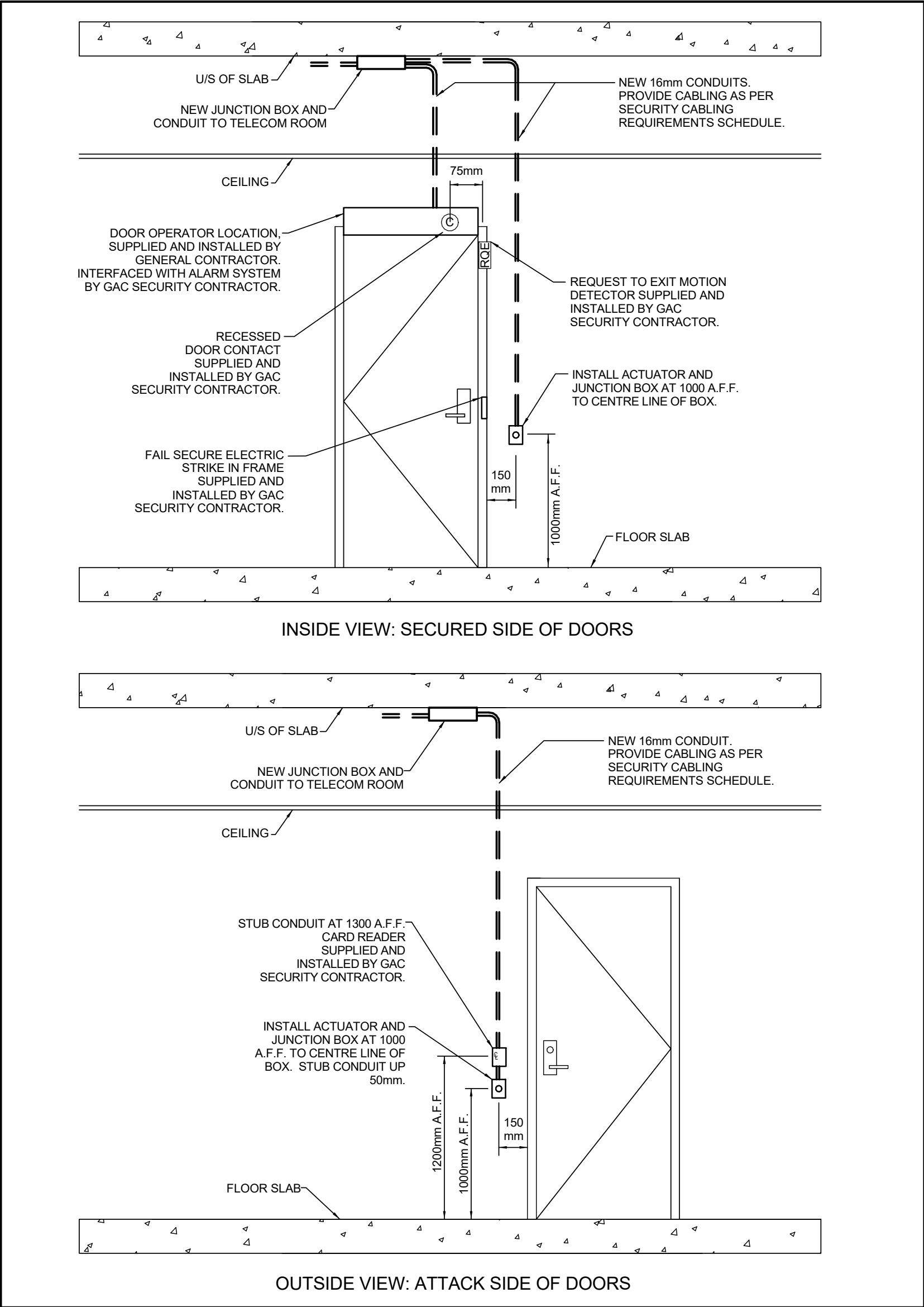
Security Cabling Requirements

One 6/22 awg cable home run from each motion detector box to control panel, and ID at both ends.

1

E5.2

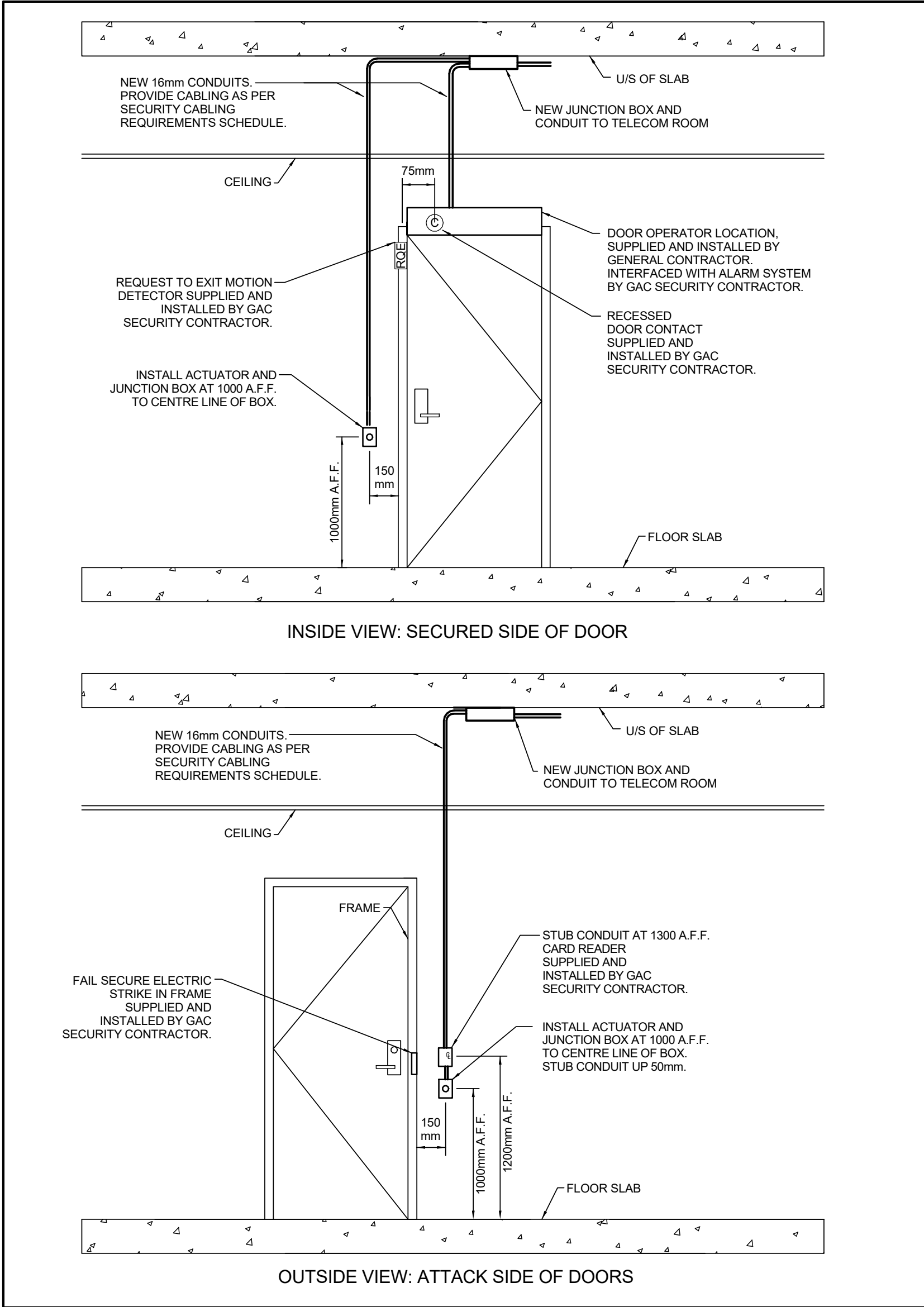
TYPICAL 360° MOTION DETECTOR INSTALLATION DETAIL ON FINISHED CEILING SLAB
SCALE: NTS



2

E5.2

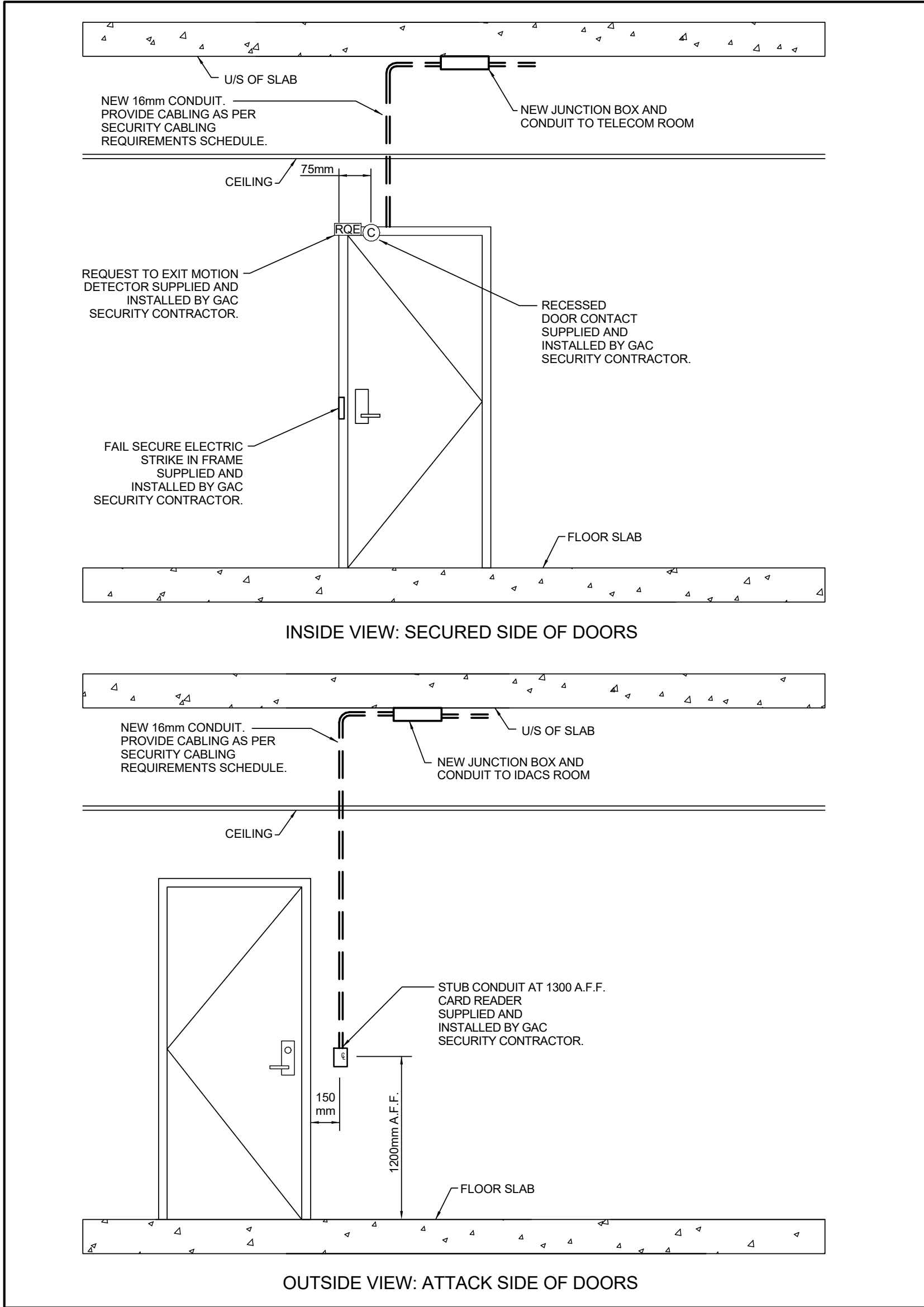
DOOR 300 & 304 DEVICE AND CABLING DETAILS
SCALE: NTS



3

E5.2

DOOR 336 & 337 DEVICE AND CABLING DETAILS
SCALE: NTS



4

E5.2

TELECOM ROOM 312 DEVICE AND CABLING DETAILS
SCALE: NTS

Security Cabling Requirements		
One 2/22 awg cable home run from electric strike to power supply, and ID at both ends.		
One 4/22 awg cable home run from each MB2 box for card reader to control panel, and ID at both ends.		
One 2/22 awg cable home run from Piezzo in outside MB2 box to control panel, and ID at both ends.		
One 6/22 awg cable home run from MELM 3 in junction box above door to control panel, and ID at both ends.		
One 6/22 awg cable from RQE to junction box above door, and ID at both ends.		
One 6/22 awg cable home run from Door Operator interface to control panel, and ID at both ends.		
One 2/22 awg cable from Door Contact to junction box above door, and ID at both ends.		

Public Works and
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REAL PROPERTY SERVICES

Western Region

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No. 4035

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M. G. PENNER

Member

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architecture inc.

120 Fort Street, Suite 103 Winnipeg, Manitoba R3C 1C7 204 318 2010

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Revision	Description	Date
Client		client

PUBLIC WORKS AND
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CANADA

Project title

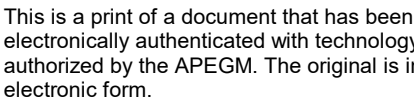
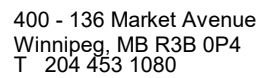
GLOBAL AFFAIRS CANADA (GAC)
303 MAIN STREET WINNIPEG, MB

Projet

REGIONAL OFFICE FIT-UP

Designed by	Conçu par	
Drawn by AA	Dessiné par	
Approved by MP	Approuvé par	
PWGSC Project Manager	Administrateur de Projets TPSGC	
Drawing title	Titre du dessin	
ELECTRICAL DETAILS		
Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.104185	E5.2 OF	

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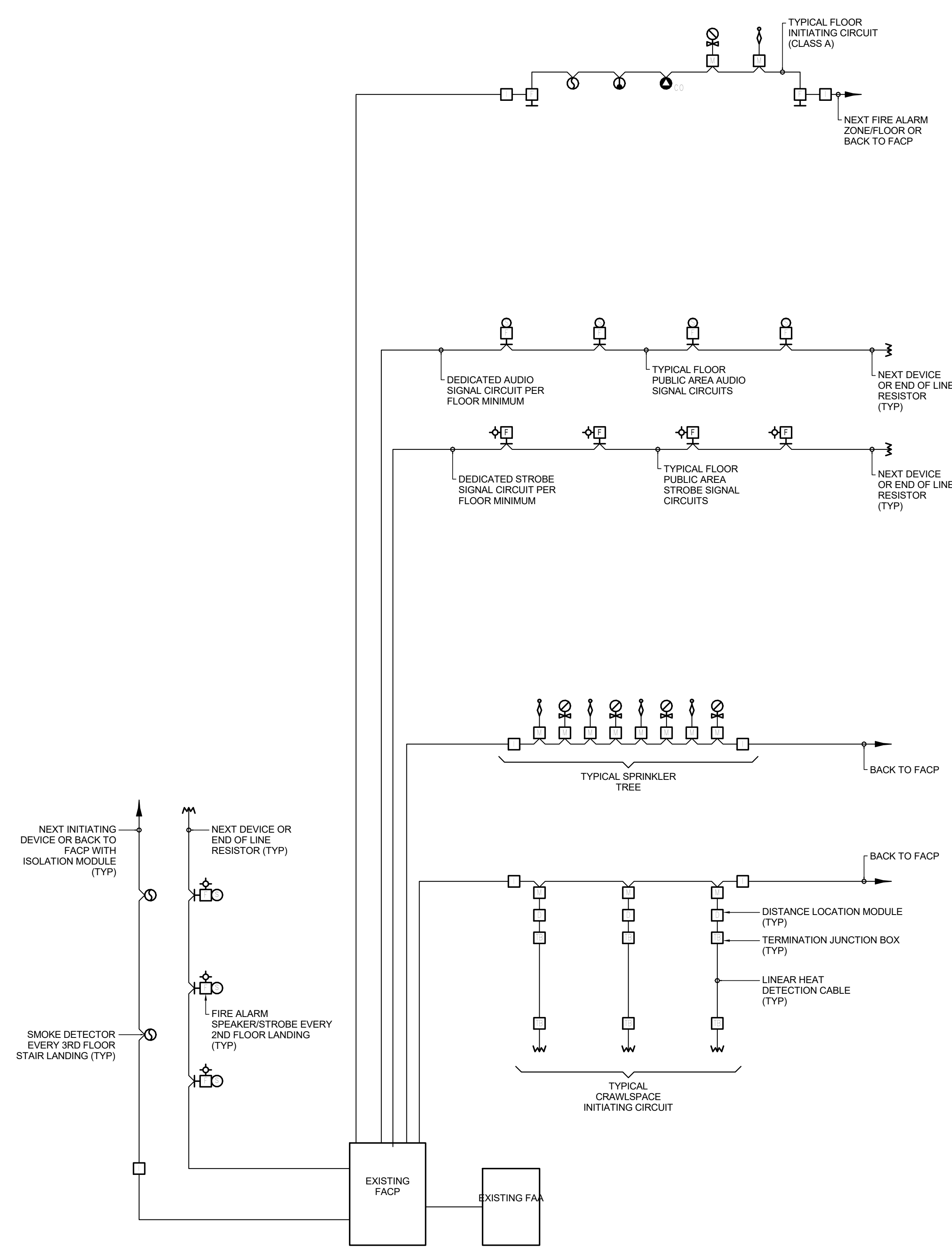
**PUBLIC WORKS AND
GOVERNMENT SERVICES
CANADA**

REGIONAL OFFICE FIT-UP

PANEL SCHEDULES & SINGLE LINE DIAGRAM

E5.3

SCALE: NTS



GENERAL NOTES

- A. PROVIDE ISOLATION MODULES ENTERING AND LEAVING EACH ZONE AS DEFINED BY THE LATEST VERSION OF THE NATIONAL BUILDING CODE, AND ULC-S524.
- B. EACH FLOOR SHALL BE FED FROM ALTERNATING SIGNAL CIRCUITS.
- C. PROVIDE CLASS A CIRCUITS FOR PUBLIC INITIATING/DETECTION DEVICE CIRCUITS.
- D. THIS FIRE ALARM RISER SHALL BE UTILIZED AS A GUIDE FOR THE CONTRACTOR TO PRICE. THE CONTRACTOR SHALL PROVIDE AN UPDATED RISER DIAGRAM AS CREATED BY THE FIRE ALARM SYSTEM MANUFACTURER TO ENSURE CODE CONFORMANCE BASED ON THEIR SYSTEM.
- E. BRANCH CIRCUIT BREAKER SUPPLYING CIRCUITS TO FIRE ALARM EQUIPMENT SHALL BE A DEDICATED CIRCUIT, LOCKABLE IN THE ON POSITION AND HAVE A RED LAMACOID WITH WHITE LETTERS SHOWING "FIRE ALARM PANEL" AFFIXED ADJACENT TO IT. PAINTED BREAKERS ARE NOT ACCEPTABLE.
- F. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF THE CENTRAL STATION EQUIPMENT WITH THE OWNER TO ENSURE THAT MONITORING FACILITIES ARE IN PLACE AT TIME OF OCCUPANCY.

1 FIRE ALARM RISER DIAGRAM
E5.4 SCALE: NTS



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<div>PUBLIC WORKS AND GOVERNMENT SERVICES CANADA</div>		
<div>Project title</div> <div>GLOBAL AFFAIRS CANADA (GAC) 303 MAIN STREET WINNIPEG, MB</div> <div>REGIONAL OFFICE FIT-UP</div>		
<div>Designed by</div> <div>Conçu par</div> <div>ZA</div>		
<div>Drawn by</div> <div>Dessiné par</div> <div>JF/ZA</div>		
<div>Approved by</div> <div>Approuvé par</div> <div>MP</div>		
<div>PWGSC Project Manager</div> <div>Administrateur de Projets TPSGC</div>		
<div>Drawing title</div> <div>Titre du dessin</div> <div>FIRE ALARM RISER DIAGRAM</div>		
Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.104185	E5.4 OF	