


FORT SIMPSON GOCB
FIRE RATING UPGRADE

Sheet List	
Sheet Number	Sheet Name

A100	COVER PAGE
A101	EXISTING MAIN FLOOR PLAN
A102	DEMOLITION PLAN
A103	NEW FLOOR PLAN
A200	PUBLIC CORRIDOR PARTIAL PLANS
A201	BOILER ROOM PARTIAL PLAN, FIRE SEPARATION DETAILS
A202	RAILING DETAILS
A203	SECTION DETAILS
A300	SCHEDULES
E100	EMERGENCY LIGHTING DEMOLITION INSTRUCTIONS
E200	EMERGENCY LIGHTING INSTALLATION INSTRUCTIONS

Item	National Building Code Data Matrix Parts 3 & 9		NBC Reference	
1	Project Description: GA #17085 Fort Simpson GOCB Fire Rating Change of Use New Addition X Alteration		Part 3	Part 9 2.1.3.1 9.10.1.3
2	Major Occupancy(s): Group D Group F3		3.1.2.1(1)	9.10.2
3	Building Area (m2): Existing 475		1.1.3.2	1.1.3.2
4	Gross Area (m2): 490			
5	Number of Storeys: Above grade __1 Below grade __0		3.2.1.1 & 1.1.3.2	2.1.3.1
6	Number of Streets/Access Routes required: __1		3.2.2.10 & 3.2.5.5	
7	Building Classification: Group D 1 storey part 9 Group F3 1 storey part 9		3.2.2.20-.83	9.10.4
8	Sprinkler System Proposed entire building basement only in lieu of roof rating <input checked="" type="checkbox"/> not required		3.2.2.20-.83 3.2.1.5 3.2.2.18	9.10.8.2
9	Standpipe not required		3.2.5.8	
10	Existing Fire Alarm		3.2.4.1	9.10.17.2
11	Water Service/Supply is Adequate		3.2.5.7	
12	Permitted Construction Combustible or Non-combustible Actual Construction Combustible		3.2.2.20-.83	9.10.6
14	Existing Occupant load not changing		3.1.17.1.	9.9.1.3
15	Hazardous Substances No		3.3.1.2.(1) & 3.3.1.19(1)	9.10.1.3.(4)
16	Required FRR	Horizontal Assemblies FRR (Hours) Floors not req'd Roof __ Not Req'd Mezzanine __ N/A FRR of Supporting Members Floors __ not req'd Roof __ Not Req'd Mezzanine __ N/A	Listed Design No. Or Description (SG-2): Listed Design No. Or Description (SG-2):	3.2.2.20-.83 & 3.2.1.4: 9.10.8 9.10.9
17	Maximum Travel Distance: 40m max 18m currently		3.4.2.1 A	
18	Number of exits required: Minimum 2			
19	Crawl Space Considered a Basement (Occupied for Service Access) <div>Yes X No</div>		3.2.2.9	
20	FRR Requirements: Service Room: 1hr Electrical room: 1hr Between suites 45 minutes Public Corridors: 45 minutes		3.3.1.22 3.6.2.1 3.6.2.1	9.10.9.13 9.10.9.15 9.10.10.3
21	Exit Width: Public Corridor Min. Width: 1100mm Ramps: 1100mm Stairs: 900mm Doorways: 800mm clear width		3.3.1.9 & 3.4.3.2.A 3.4.3.2.A 3.4.3.2.A	
22	Fire- Protection Rating for Closures: FRR of Fire Separation: 45 minutes 1 hour		Min. FRR of Closure 20 minutes (doors permitted to be 45mm solid wood core door, w/ 38mm wood frame) 45 minutes	3.1.8.4. 9.10.13.2 9.10.13.3
23	Self-closing device Not required for doors between public corridor and business and personal services occupancies			9.10.13.10
24	Hold open devices Required to be installed as per 3.1.8.14 in fire separations		3.1.8.14	9.10.13.11
23	Access Routes required for Fire Department Vehicles: To the building face with principle entrance and to each building face having access openings for firefighting as required by 3.2.5.1 and 3.2.5.2 (See 25) yes		3.2.5.4.	
24	Plumbing fixtures required No change in existing layout		3.7.2.2	


THESE REFERENCES ARE AS PER THE 2015 NBC



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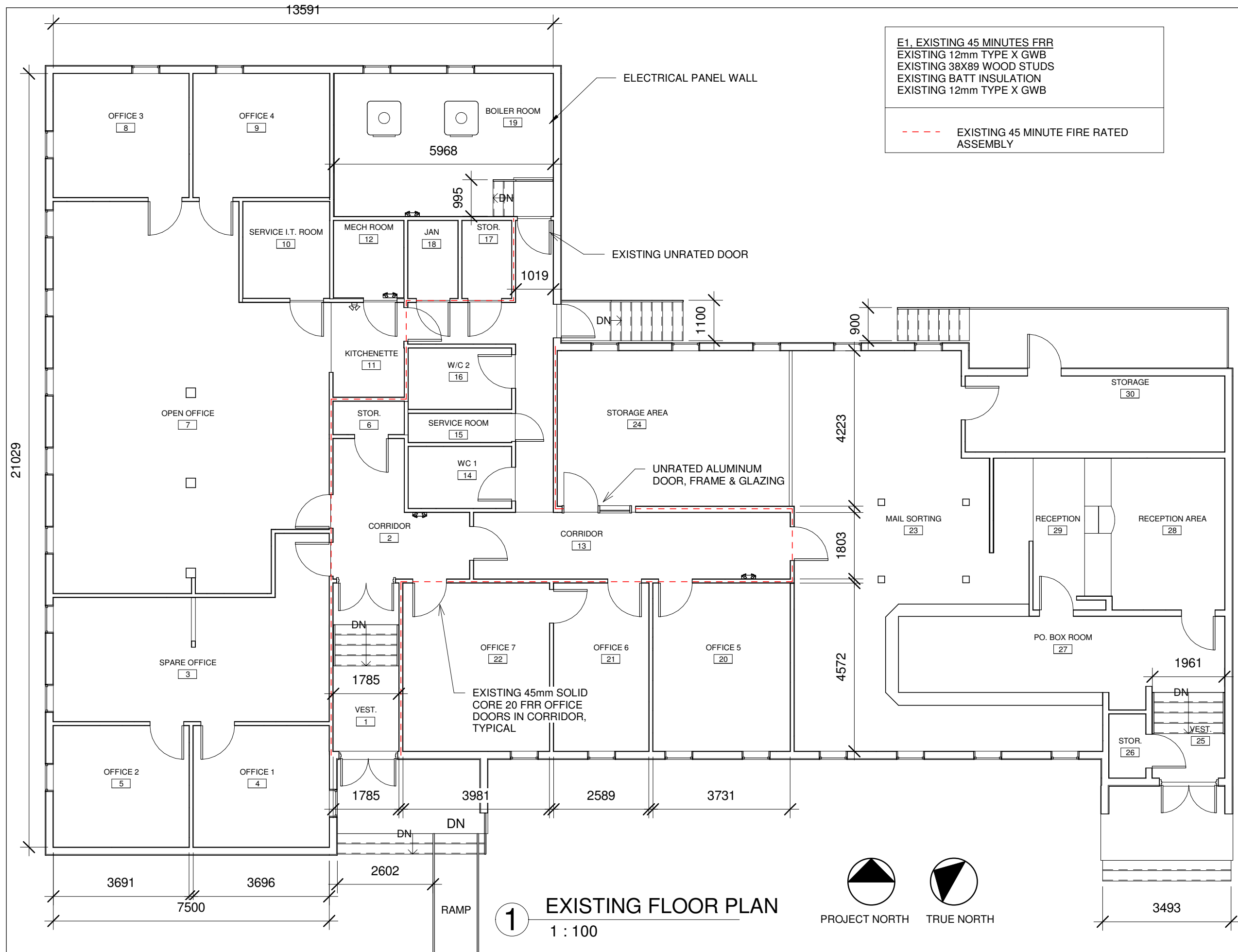
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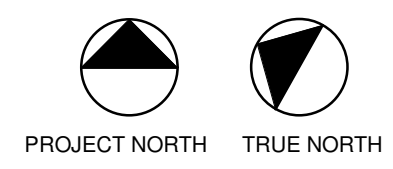
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Client		
Project title	FORT SIMPSON GOCB FIRE RATING UPGRADE	
Drawn by	PG	
Designed by	RWG	
Approved by	RWG	
PWGSC Project Manager	JOHN SHORT	
Drawing title	COVER PAGE	
Project no.	17085	Sheet A100
Revision		0




E1, EXISTING 45 MINUTES FRR
EXISTING 12mm TYPE X GWB
EXISTING 38X89 WOOD STUDS
EXISTING BATT INSULATION
EXISTING 12mm TYPE X GWB

--- EXISTING 45 MINUTE FIRE RATED
ASSEMBLY

1 EXISTING FLOOR PLAN
1 : 100





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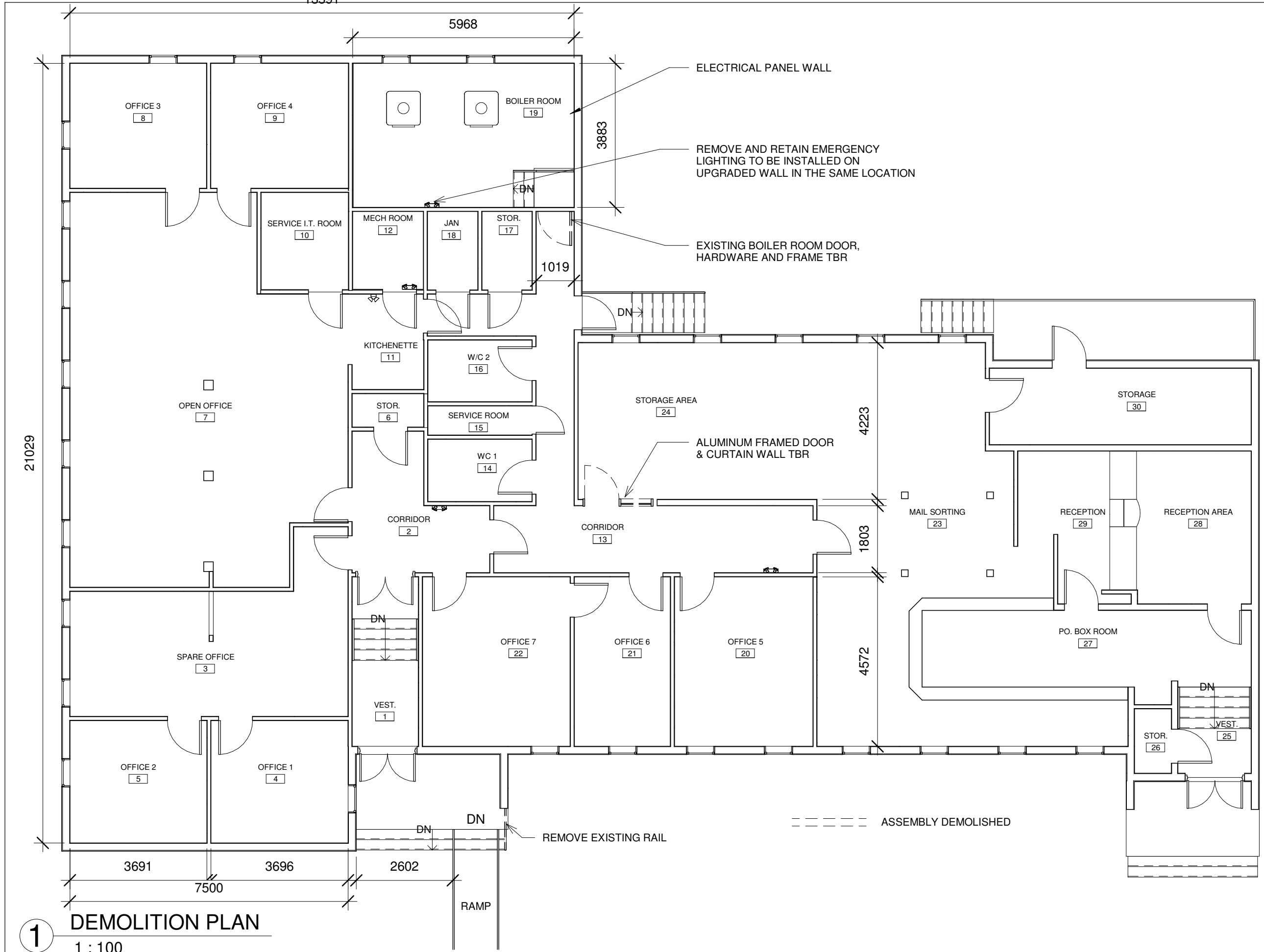



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Designed by	RWG	
Approved by	RWG	
PWGSC Project Manager	JOHN SHORT	
Drawing title	EXISTING MAIN FLOOR PLAN	
Project no.	17085	Sheet
		A101
		Revision
		0






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FIRE RATING UPGRADE

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RWG

PWGSC Project
Manager

JOHN SHORT

Drawing
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DEMOLITION PLAN

Project
no.

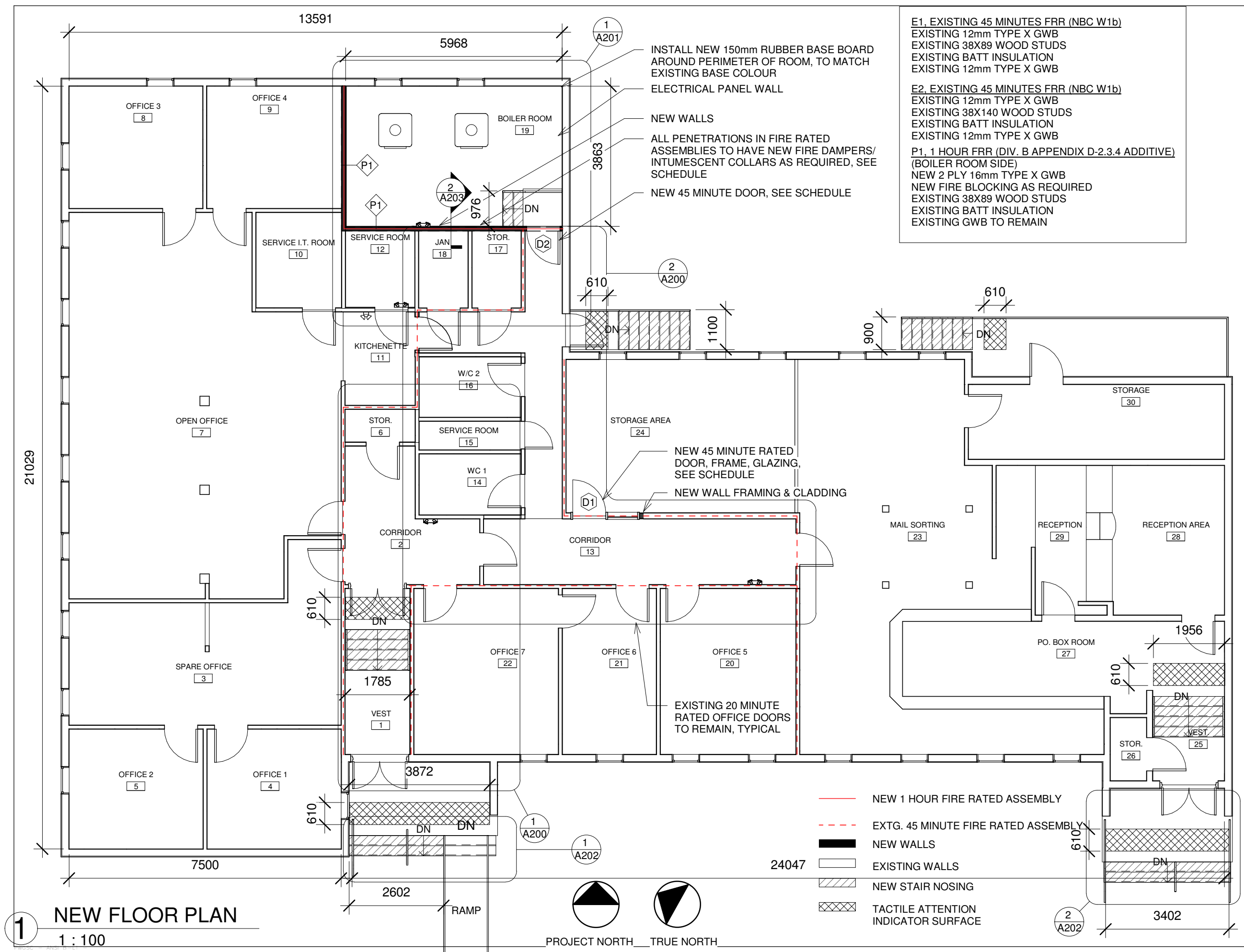
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Sheet

A102

Revision


0



E1, EXISTING 45 MINUTES FRR (NBC W1b)
EXISTING 12mm TYPE X GWB
EXISTING 38X89 WOOD STUDS
EXISTING BATT INSULATION
EXISTING 12mm TYPE X GWB

E2, EXISTING 45 MINUTES FRR (NBC W1b)
EXISTING 12mm TYPE X GWB
EXISTING 38X140 WOOD STUDS
EXISTING BATT INSULATION
EXISTING 12mm TYPE X GWB


P1, 1 HOUR FRR (DIV. B APPENDIX D-2.3.4 ADDITIVE)
(BOILER ROOM SIDE)
NEW 2 PLY 16mm TYPE X GWB
NEW FIRE BLOCKING AS REQUIRED
EXISTING 38X89 WOOD STUDS
EXISTING BATT INSULATION
EXISTING GWB TO REMAIN



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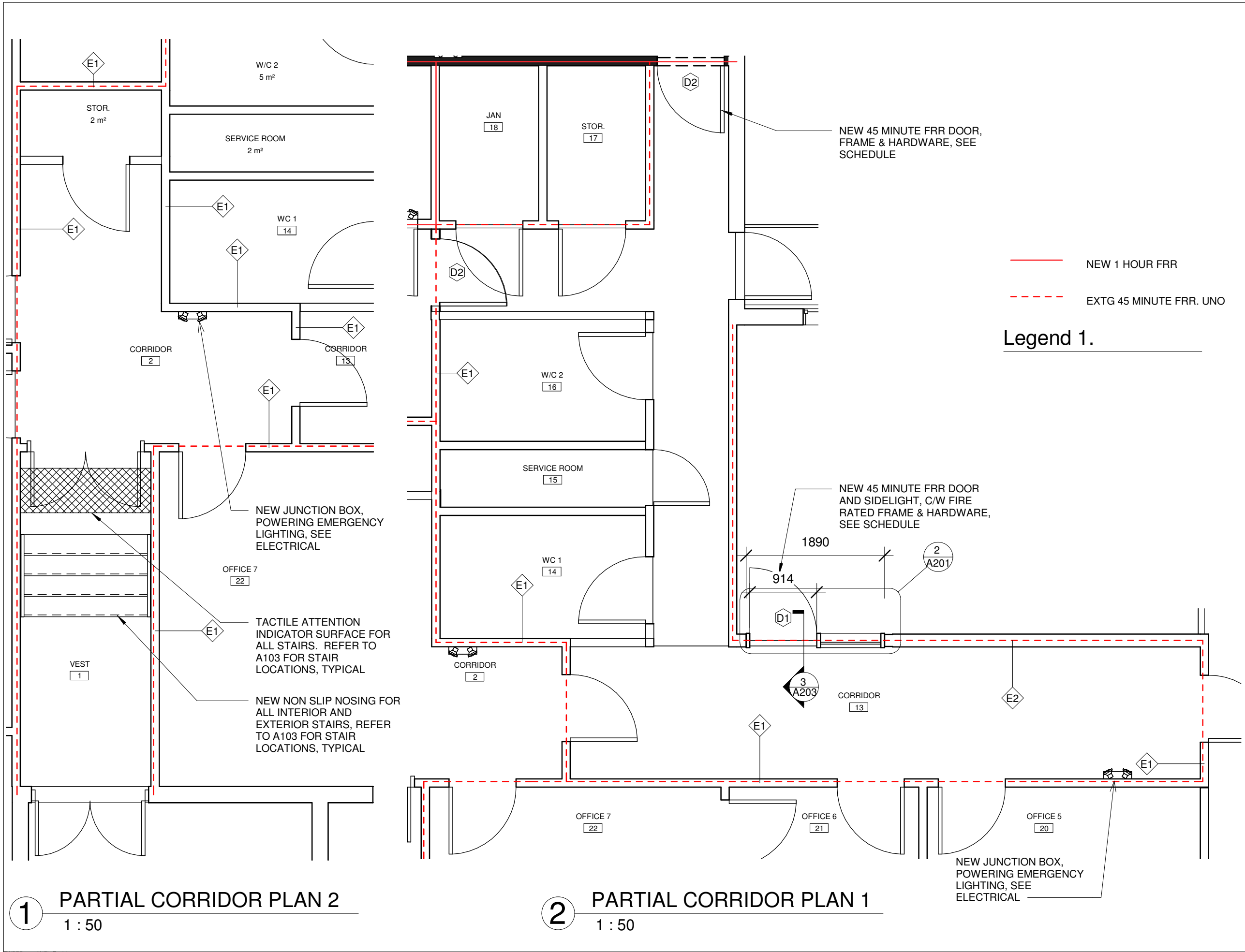
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Designed by	RWG	
Approved by	RWG	
PWGSC Project Manager	JOHN SHORT	
Drawing title	NEW FLOOR PLAN	
Project no.	17085	Sheet A103
Revision		0

1 NEW FLOOR PLAN
1 : 100





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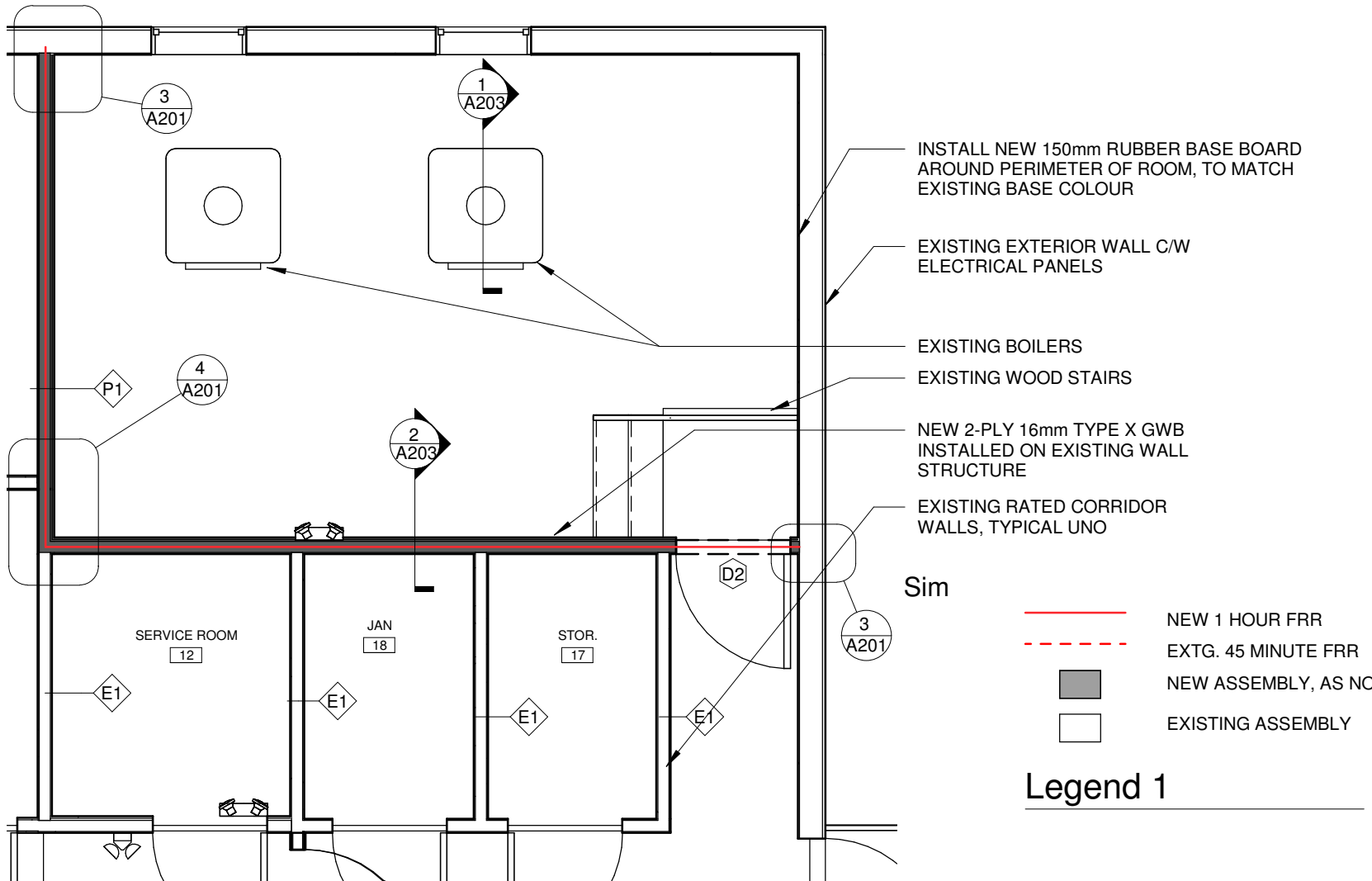
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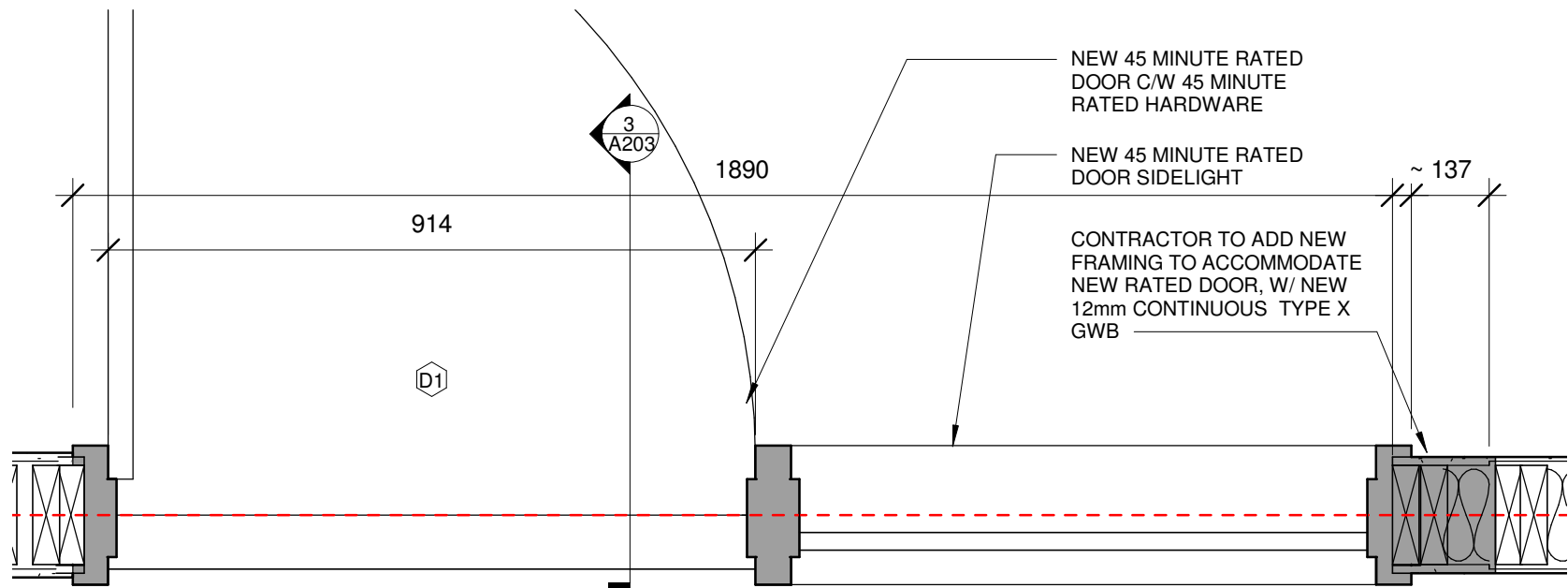


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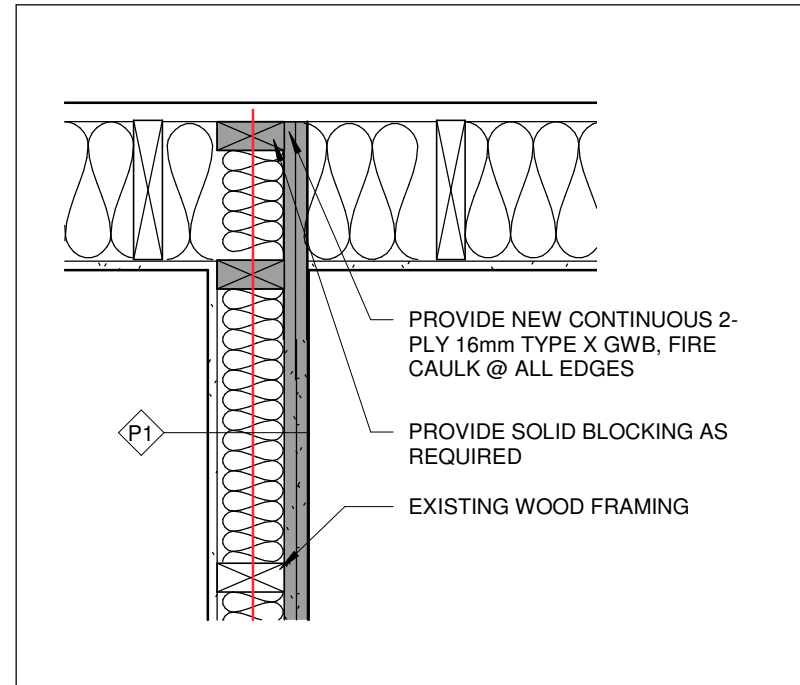
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PWGSC Project Manager	JOHN SHORT	
Drawing title	PUBLIC CORRIDOR PARTIAL PLANS	
Project no.	17085	Sheet A200
		Revision 0



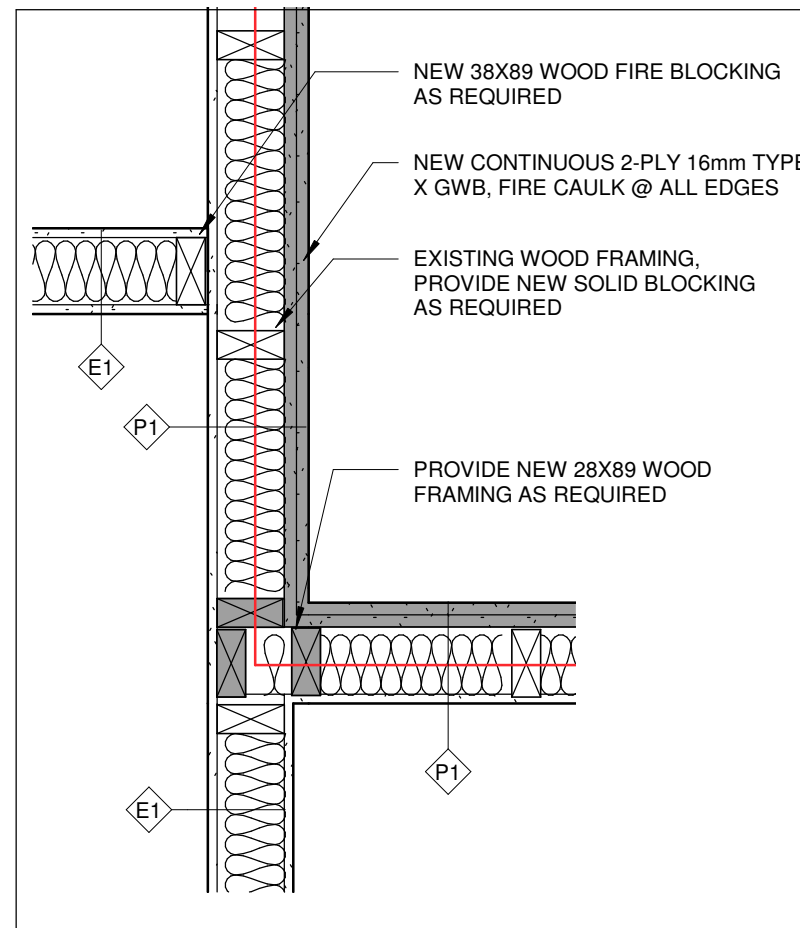
1 BOILER ROOM PLAN
1 : 50



2 PLAN DETAIL 8
1 : 10



3 PLAN DETAIL 1
1 : 10



4 PLAN DETAIL 2
1 : 10

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FIRE RATING UPGRADE**

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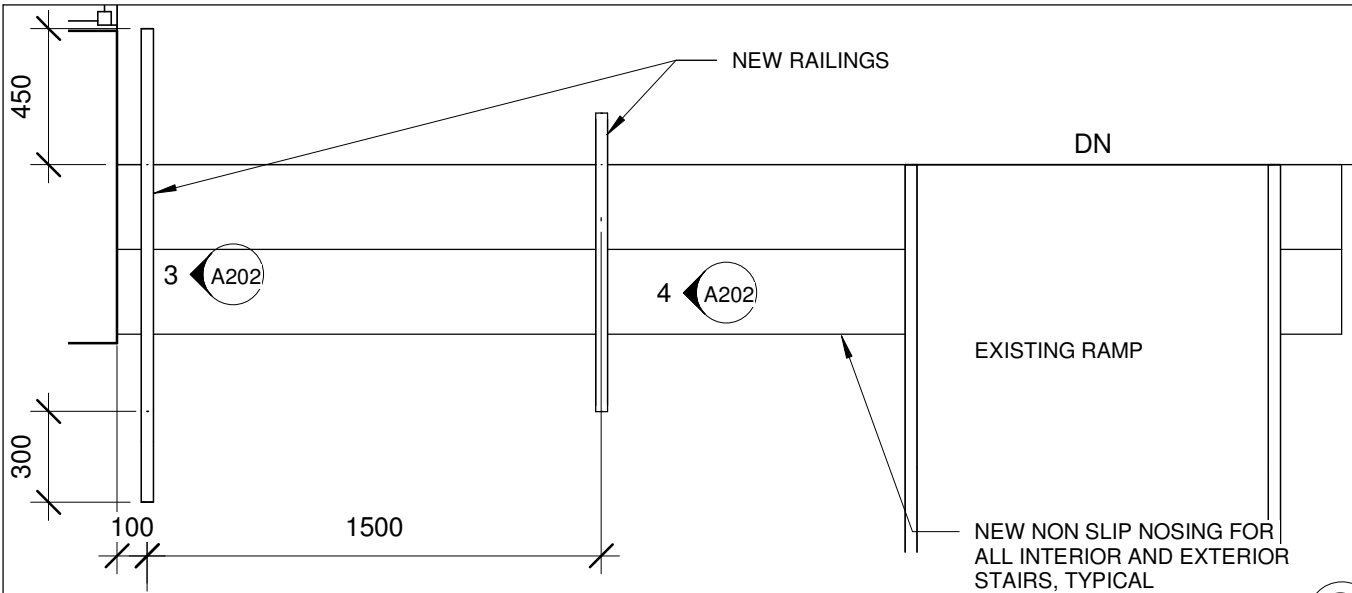
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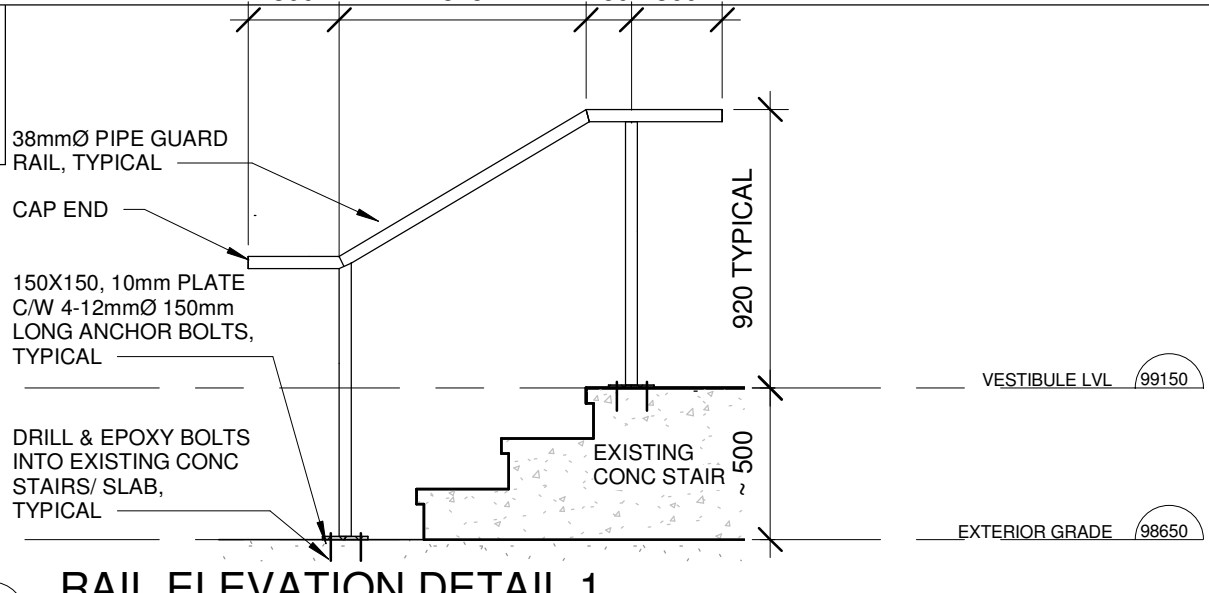
Drawing title

**BOILER ROOM
PARTIAL PLAN,
FIRE SEPARATION
DETAILS**

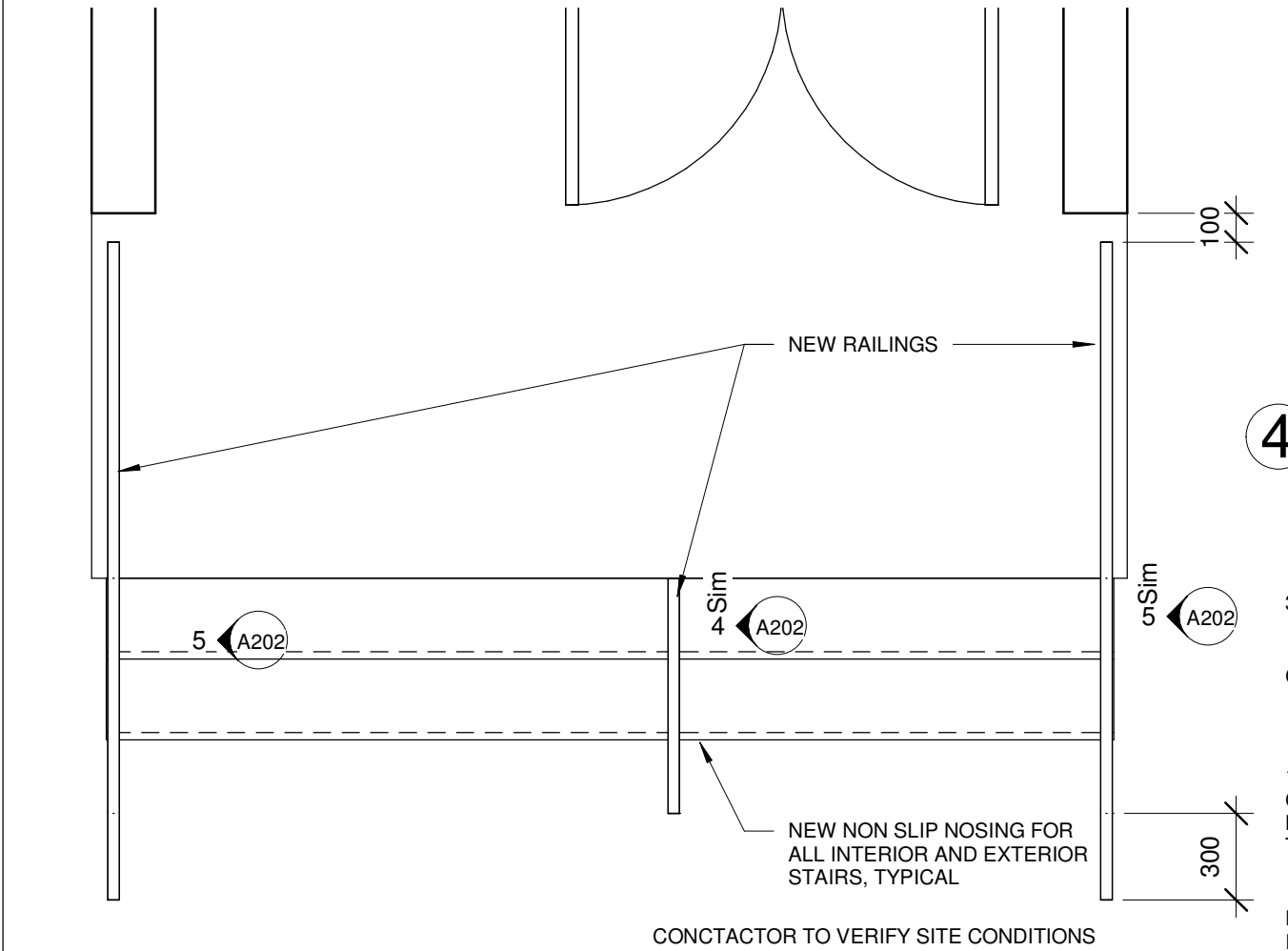
Project no. 17085	Sheet A201	Revision 0
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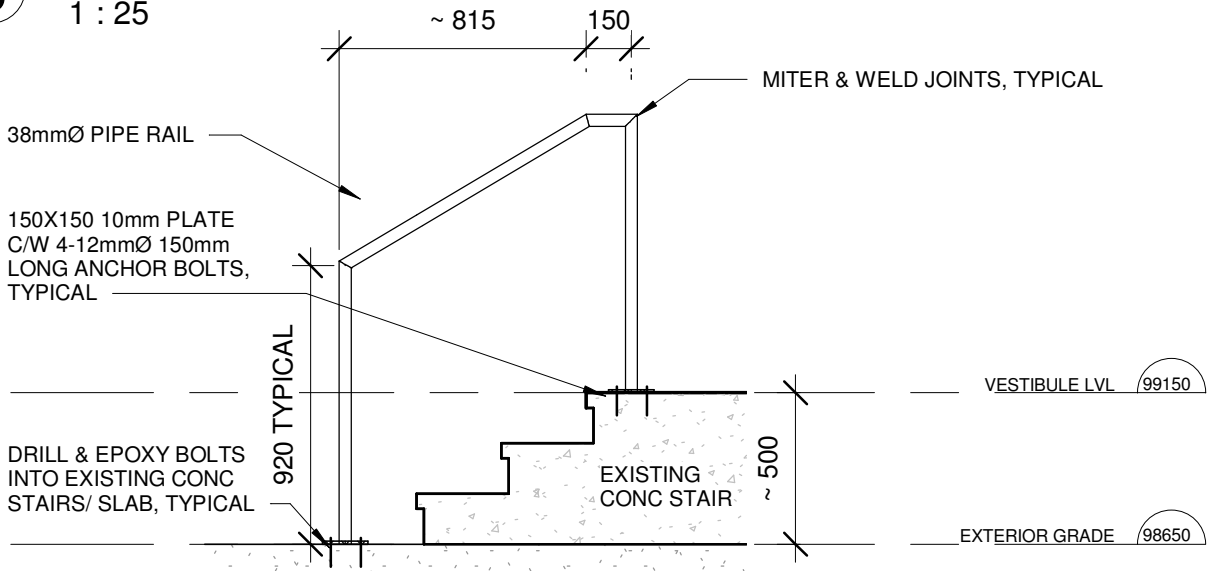
1 RAILING PLAN DETAIL 1
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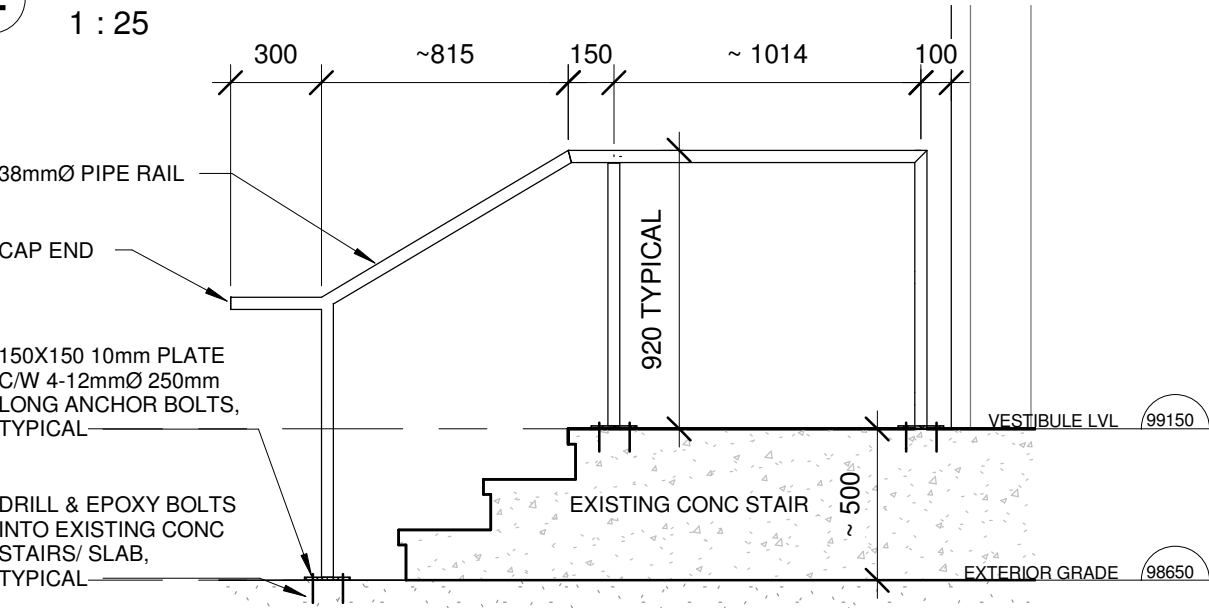
3 RAIL ELEVATION DETAIL 1
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2 RAILING PLAN DETAIL 2
1 : 25



4 RAIL ELEVATION DETAIL 2
1 : 25




5 RAIL ELEVATION DETAIL 3
1 : 25



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FIRE RATING UPGRADE**

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Manager

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RAILING DETAILS

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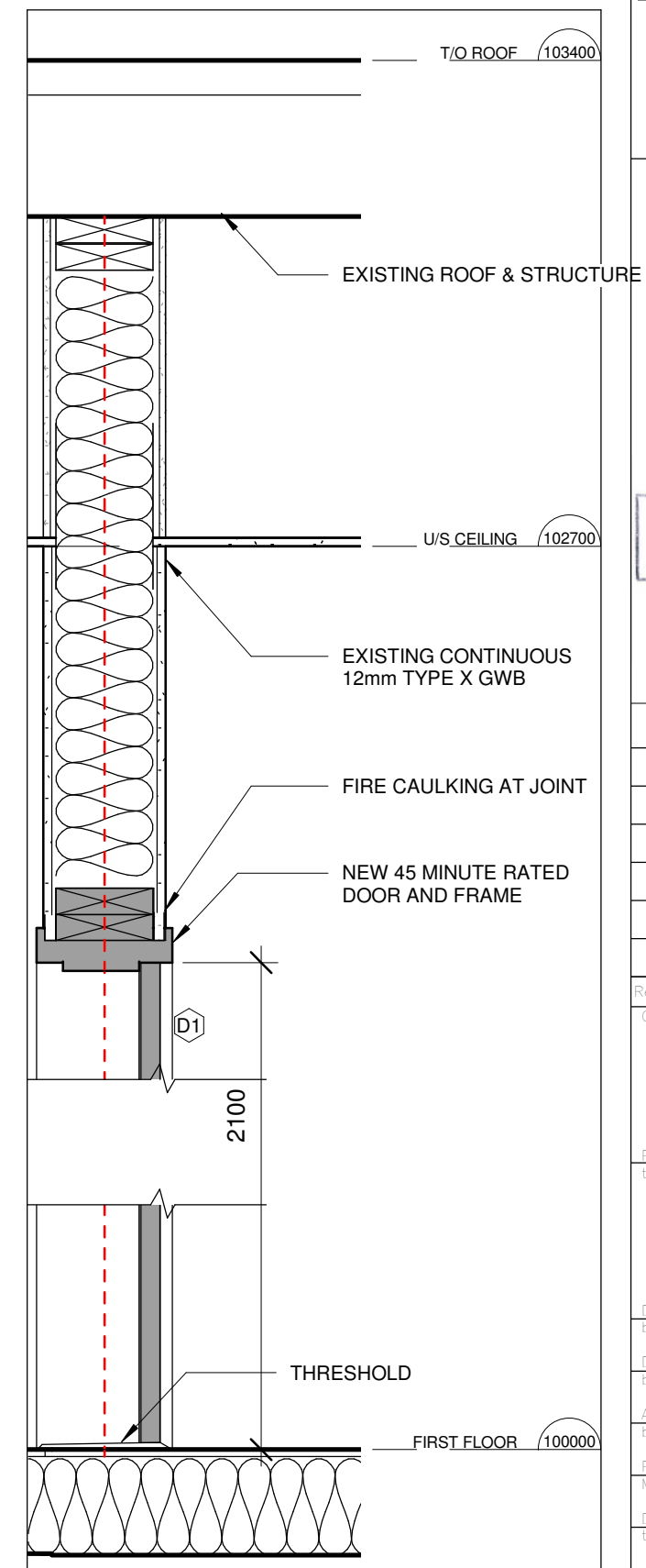
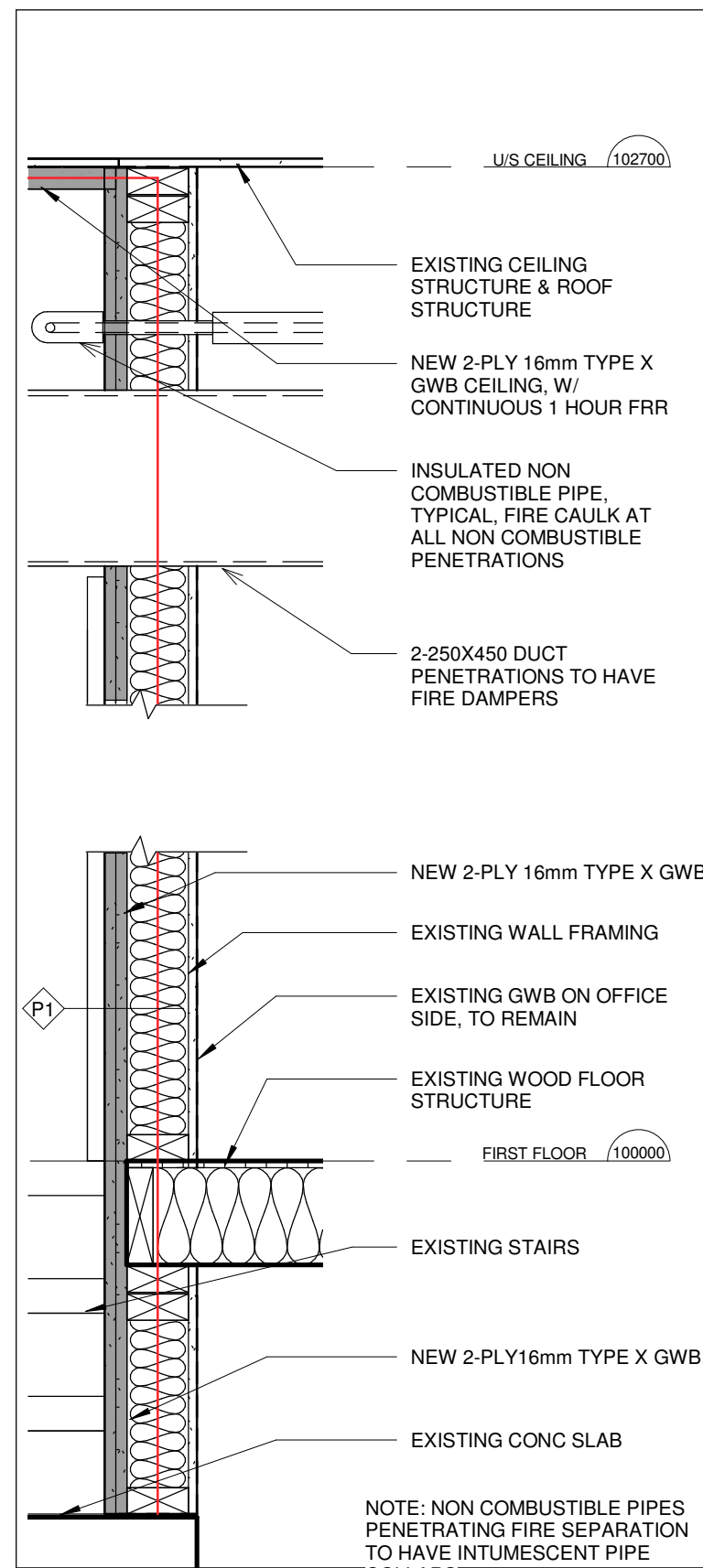
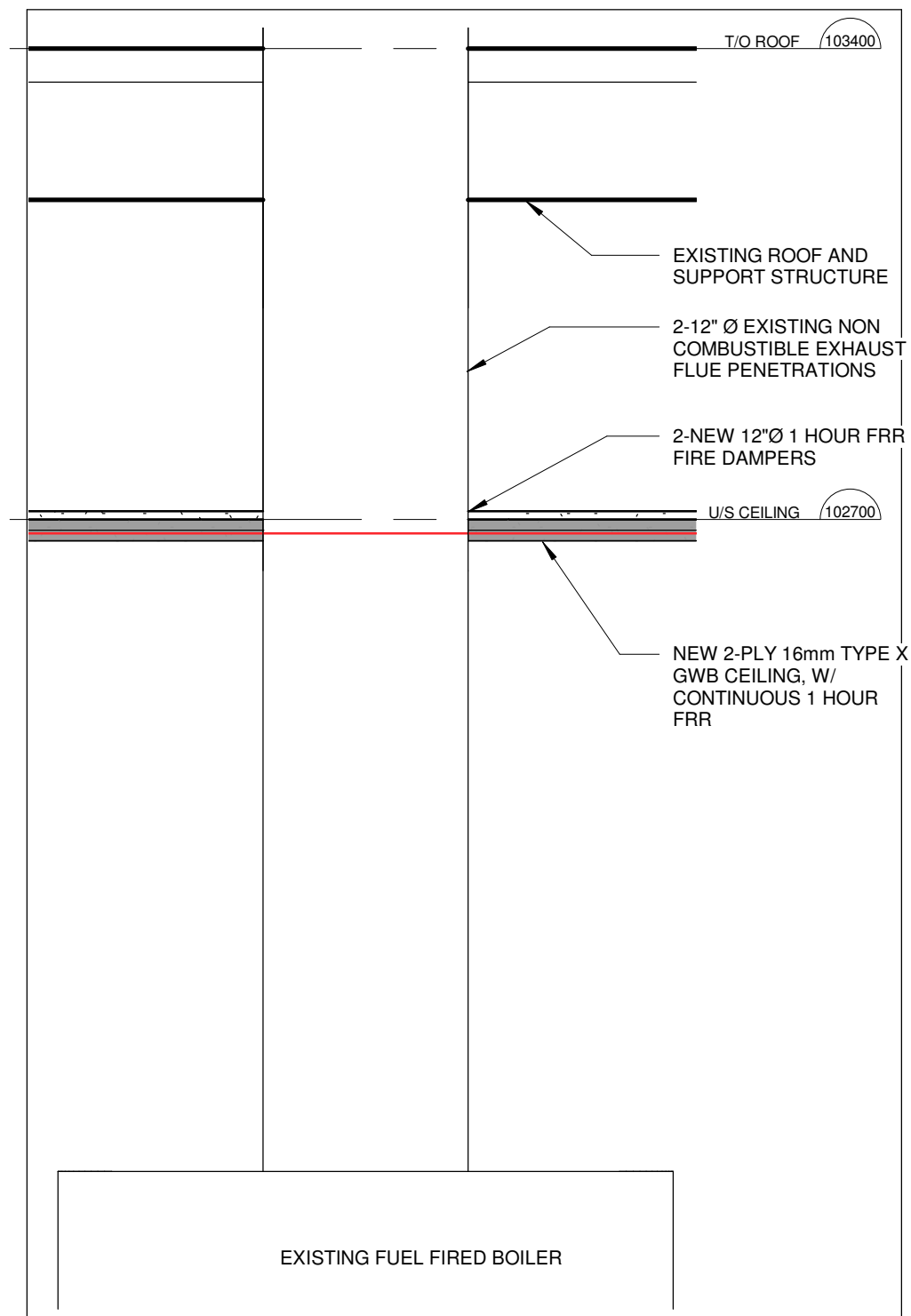
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FORT SIMPSON GOCB FIRE RATING UPGRADE

Drawn

PG

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PWGSC Project

Manager

Drawing JOHN SHORT

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SECTION DETAILS

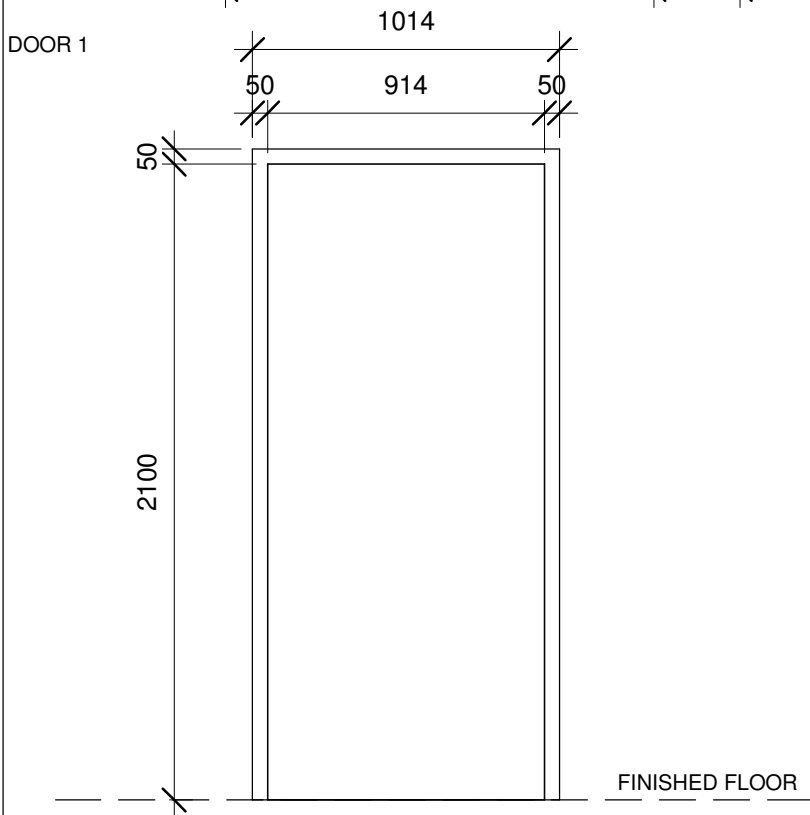
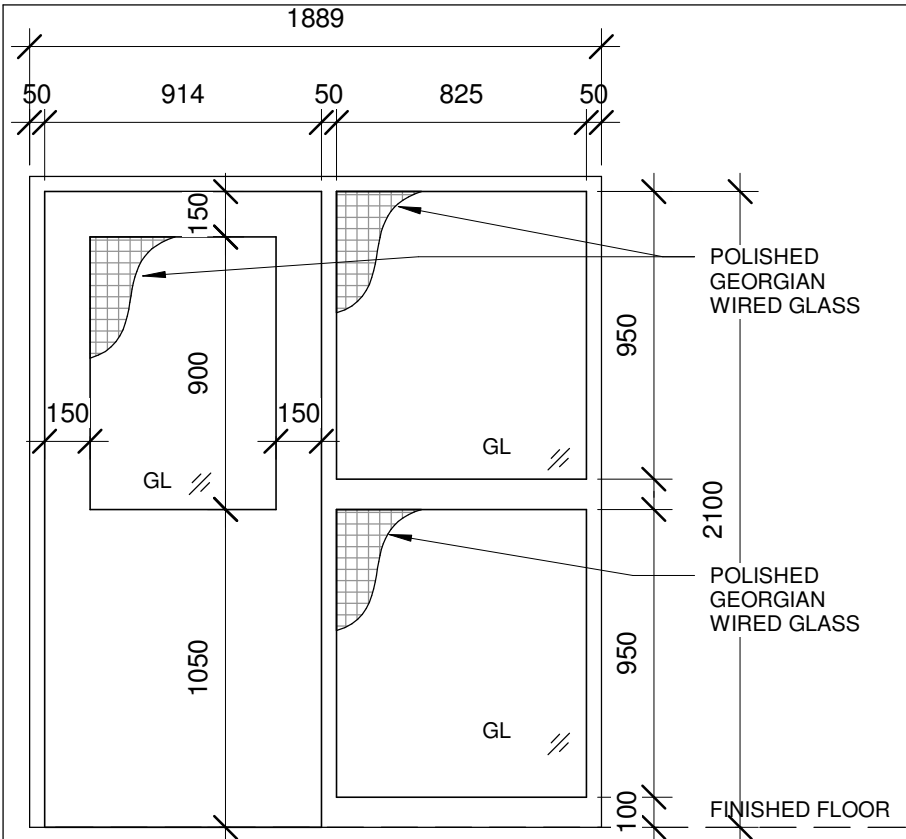
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Sheet

A203

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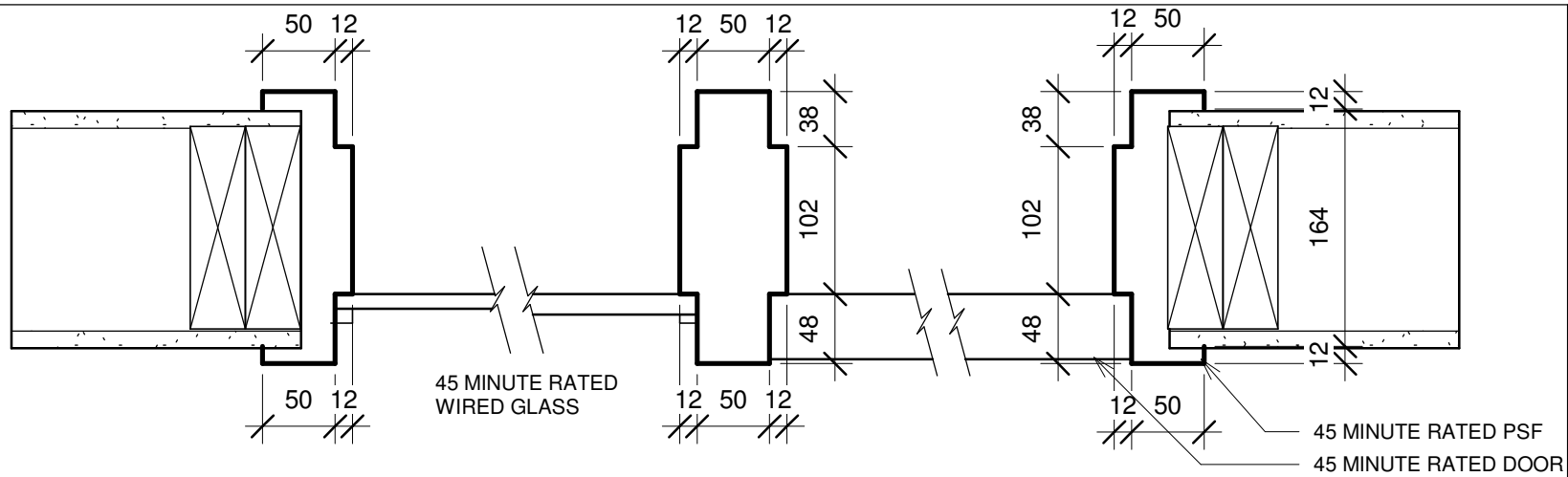


DOOR 2

NOTE: CONTRACTOR TO CONFIRM RO SIZE OF ALL DOORS BEFORE ORDERING

1 DOOR SCHEDULE

1 : 25



DOOR 1: 45 MINUTE FRR


2 DOOR FRAME DETAILS

1 : 5

ROOMS	ID	DOOR	DOOR WIDTH	DOOR HEIGHT	FRAME	HARDWARE	NOTES
19	D1	SOID CORE BIRCH	914	2100	45 MINUTE FRR PRESSED STEEL	BUTT HINGES, PRIVACY SET, DOOR CLOSER WALL STOP, DOOR SEAL, KICK PLATE, MOP PLATE, THRESHOLD	45 MINUTE RATED DOOR, FRAME, HARDWARE
24	D2	STEEL DOOR PAINTED	914	2100	45 MINUTE FRR PRESSED STEEL	BUTT HINGES, PRIVACY SET, DOOR CLOSER WALL STOP, DOOR SEAL, KICK PLATE, MOP PLATE, THRESHOLD	45 MINUTE RATED DOOR, FRAME, HARDWARE, WIRED GLASS

PENETRATION	COUNT	SIZE	COMMENTS
DUCT	2	250mm x 450mm	PROVIDE FIRE DAMPERS, FIRE CAULK
NON COMBUSTIBLE PIPES	8	50mm Ø	FIRE CAULK
SINK DRAIN	1	50mm Ø	PROVIDE INTUMESCENT PIPE COLLAR, FIRE CAULK
BOILER FLUES, NON COMBUSTIBLE	2	305mm Ø	PROVIDE FIRE DAMPERS, FIRE CAULK


CONTRACTOR TO ENSURE ALL PENETRATIONS IN FIRE SEPERATION AND ROOF TO HAVE REQUIRED FIRE STOPPING



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FIRE RATING UPGRADE

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RWG

PWGSC Project
Manager

JOHN SHORT

Drawing
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SCHEDULES

Project
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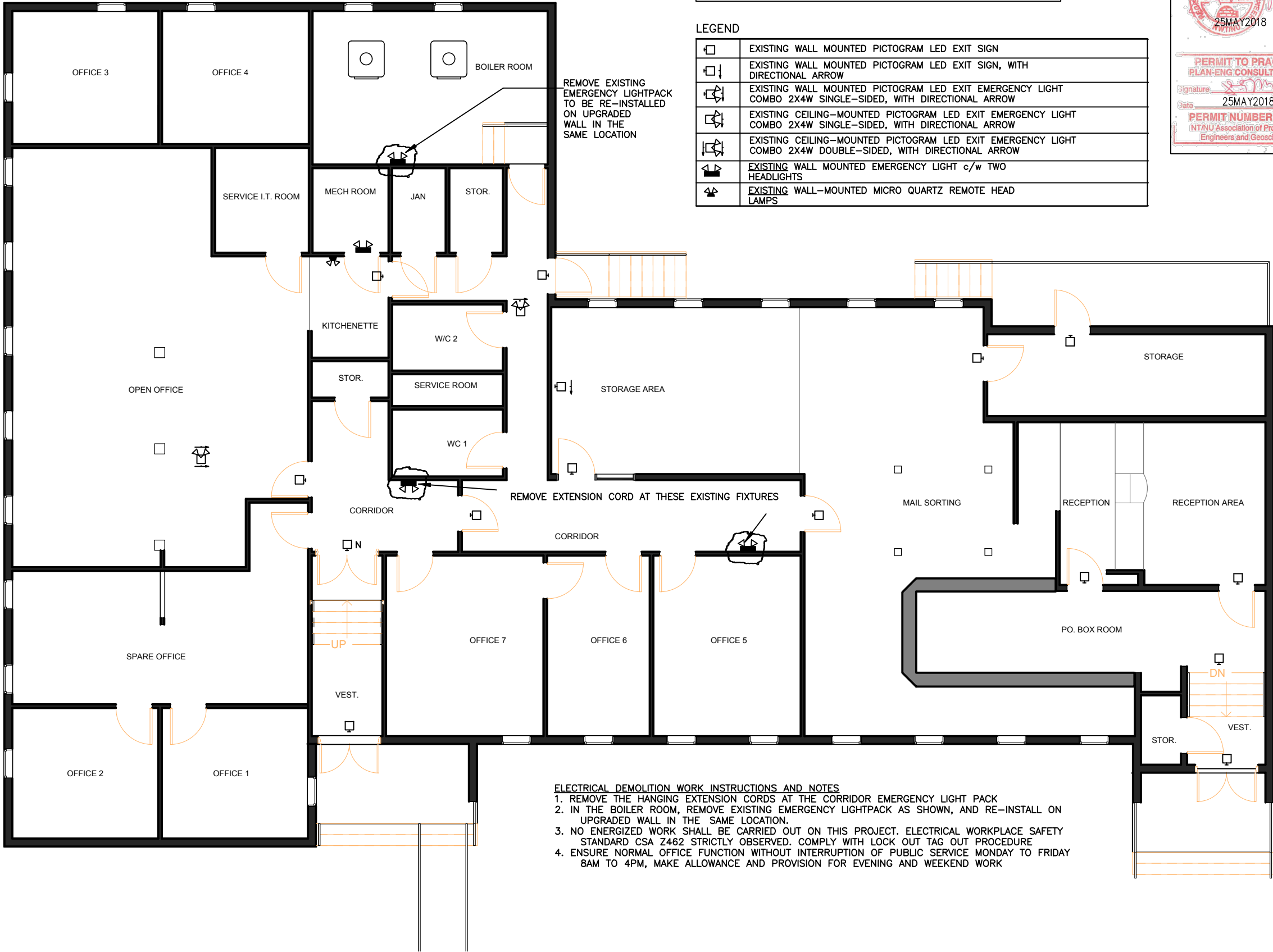
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Sheet

A300

Revision

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INSTRUCTIONS
1. THE EXIT SIGNS STANDALONE OR IN COMBINATION WITH EMERGENCY LIGHT SHOWN ARE EXISTING. AND SHALL BE RETAINED

LEGEND	
	EXISTING WALL MOUNTED PICTOGRAM LED EXIT SIGN
	EXISTING WALL MOUNTED PICTOGRAM LED EXIT SIGN, WITH DIRECTIONAL ARROW
	EXISTING WALL MOUNTED PICTOGRAM LED EXIT EMERGENCY LIGHT COMBO 2X4W SINGLE-SIDED, WITH DIRECTIONAL ARROW
	EXISTING CEILING-MOUNTED PICTOGRAM LED EXIT EMERGENCY LIGHT COMBO 2X4W SINGLE-SIDED, WITH DIRECTIONAL ARROW
	EXISTING CEILING-MOUNTED PICTOGRAM LED EXIT EMERGENCY LIGHT COMBO 2X4W DOUBLE-SIDED, WITH DIRECTIONAL ARROW
	EXISTING WALL MOUNTED EMERGENCY LIGHT c/w TWO HEADLIGHTS
	EXISTING WALL-MOUNTED MICRO QUARTZ REMOTE HEAD LAMPS



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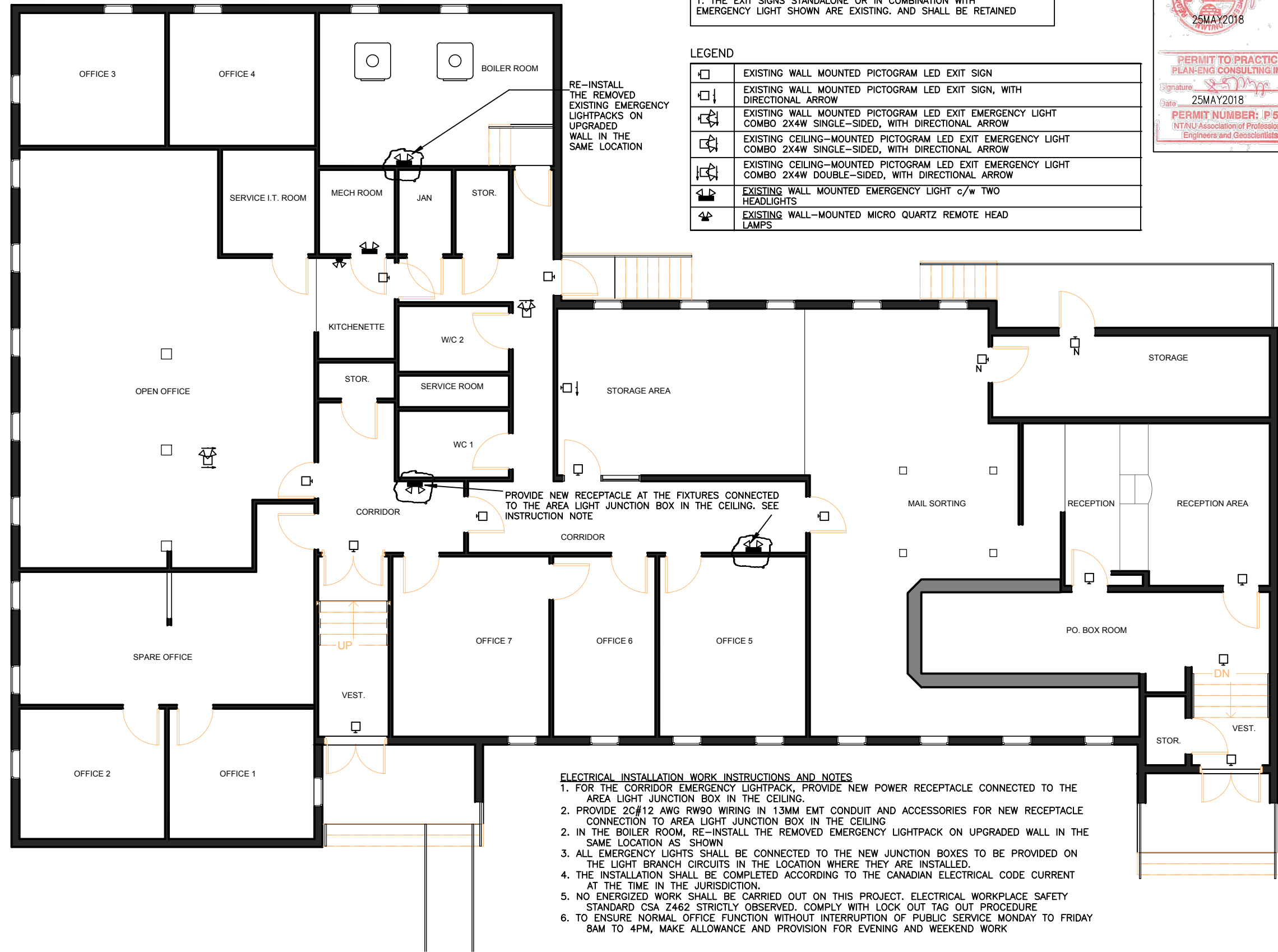
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Drawn by MC		
Designed by FS		
Approved by FS		
PWGSC Project Manager JOHN SHORT		
Drawing title		
EMERGENCY LIGHTING DEMOLITION INSTRUCTIONS		
Project no. GA:17085 R.0159926.626	Sheet E100	Revision 0



INSTRUCTIONS
1. THE EXIT SIGNS STANDALONE OR IN COMBINATION WITH EMERGENCY LIGHT SHOWN ARE EXISTING. AND SHALL BE RETAINED

□	EXISTING WALL MOUNTED PICTOGRAM LED EXIT SIGN
□↓	EXISTING WALL MOUNTED PICTOGRAM LED EXIT SIGN, WITH DIRECTIONAL ARROW
⚡	EXISTING WALL MOUNTED PICTOGRAM LED EXIT EMERGENCY LIGHT COMBO 2X4W SINGLE-SIDED, WITH DIRECTIONAL ARROW
⚡	EXISTING CEILING-MOUNTED PICTOGRAM LED EXIT EMERGENCY LIGHT COMBO 2X4W SINGLE-SIDED, WITH DIRECTIONAL ARROW
⚡	EXISTING CEILING-MOUNTED PICTOGRAM LED EXIT EMERGENCY LIGHT COMBO 2X4W DOUBLE-SIDED, WITH DIRECTIONAL ARROW
⚡	EXISTING WALL MOUNTED EMERGENCY LIGHT c/w TWO HEADLIGHTS
⚡	EXISTING WALL-MOUNTED MICRO QUARTZ REMOTE HEAD LAMPS



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Approved by FS

PWGSC Project Manager JOHN SHORT

Drawing title

EMERGENCY LIGHTING
INSTALLATION INSTRUCTIONS

Project no. GA:17085 R.0159926.626	Sheet E200	Revision 0
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