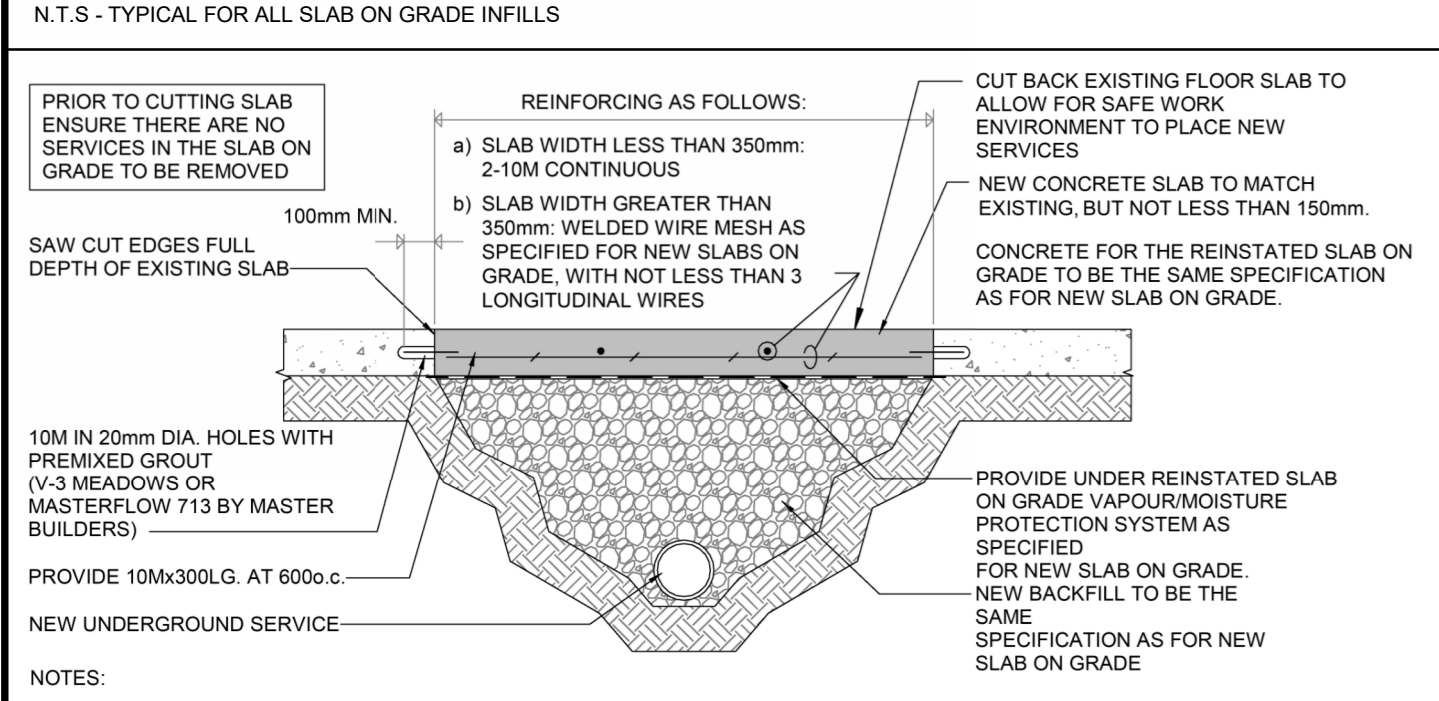


ELBORO COLLEGE - OVERALL GROUND FLOOR PLAN N.T.S.

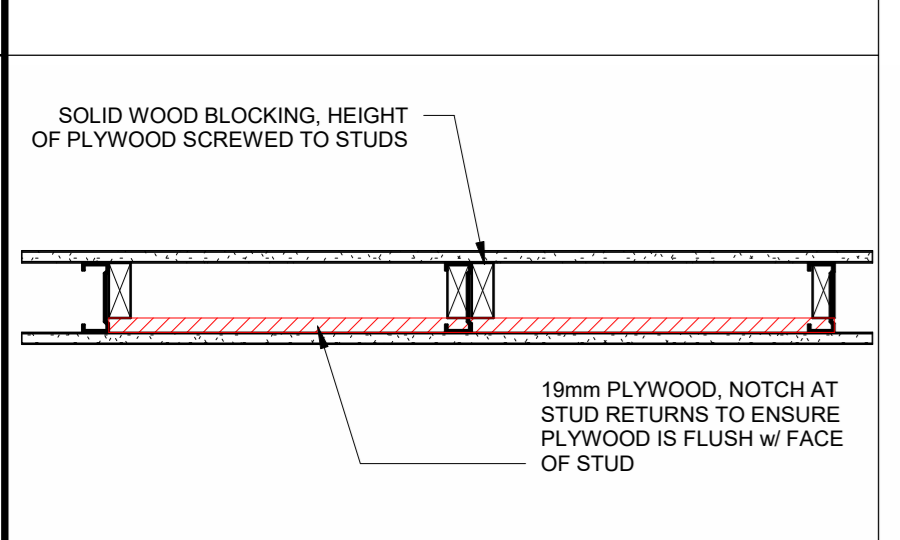
1201 WESTERN RD, LONDON, ON N6G 1H1

CONTRACTOR TO INSTALL SALVAGED HEADWALLS FROM THIRD FLOOR LABS 315 AND 316, THEN AT ELBORO COLLEGE IN SPLIT LABS 1201, 1202, 1203 FOR USE DURING CONSTRUCTION PHASE. CONTRACTOR TO THEN RELOCATE THE SAME HEADBOARDS BACK TO NEW PRACTICE LABS 312 AND 313 AT END OF CONSTRUCTION PHASE. CONTRACTOR TO COORDINATE MOVING AND TIMING W/ OWNER GROUP.

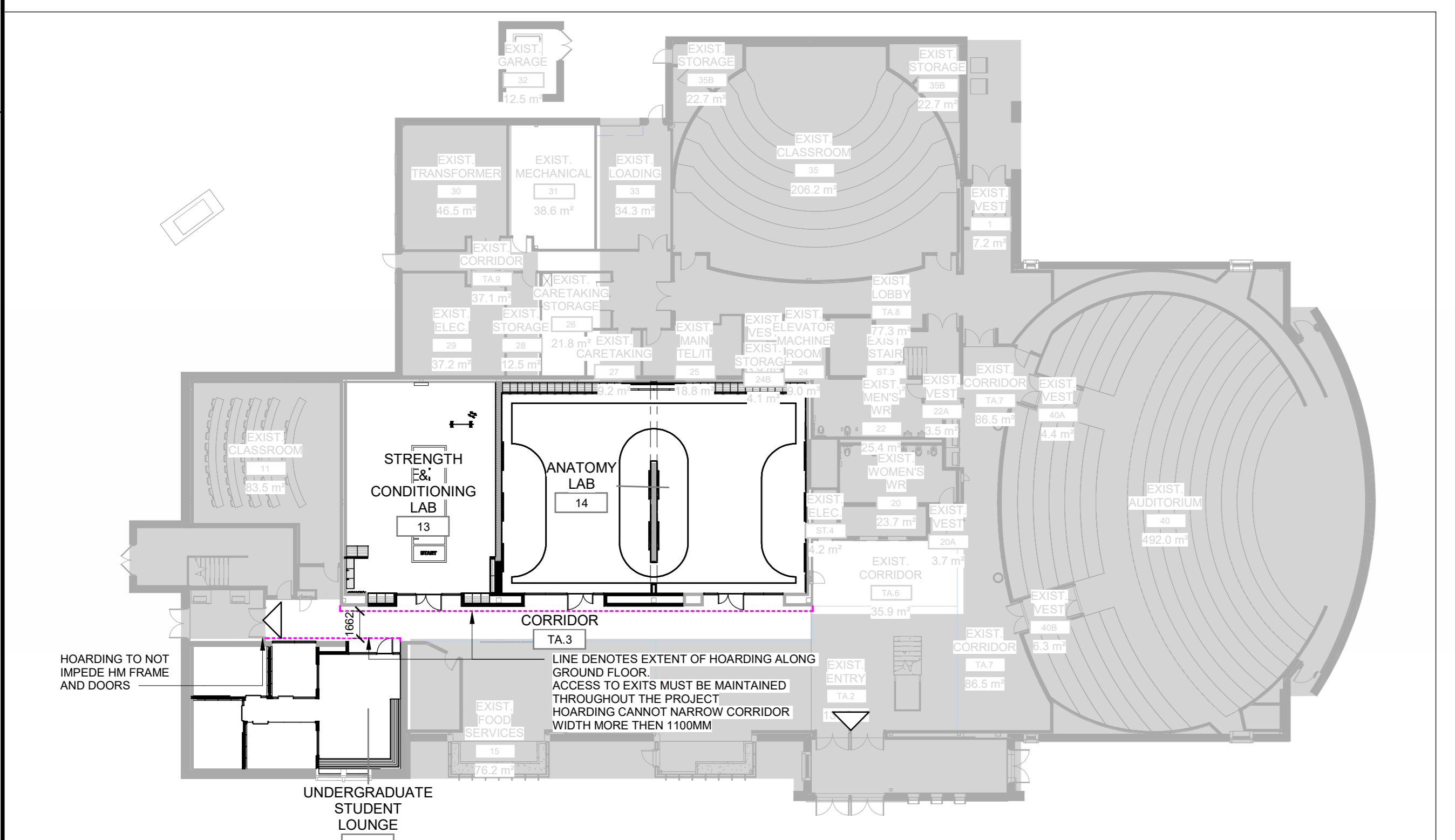
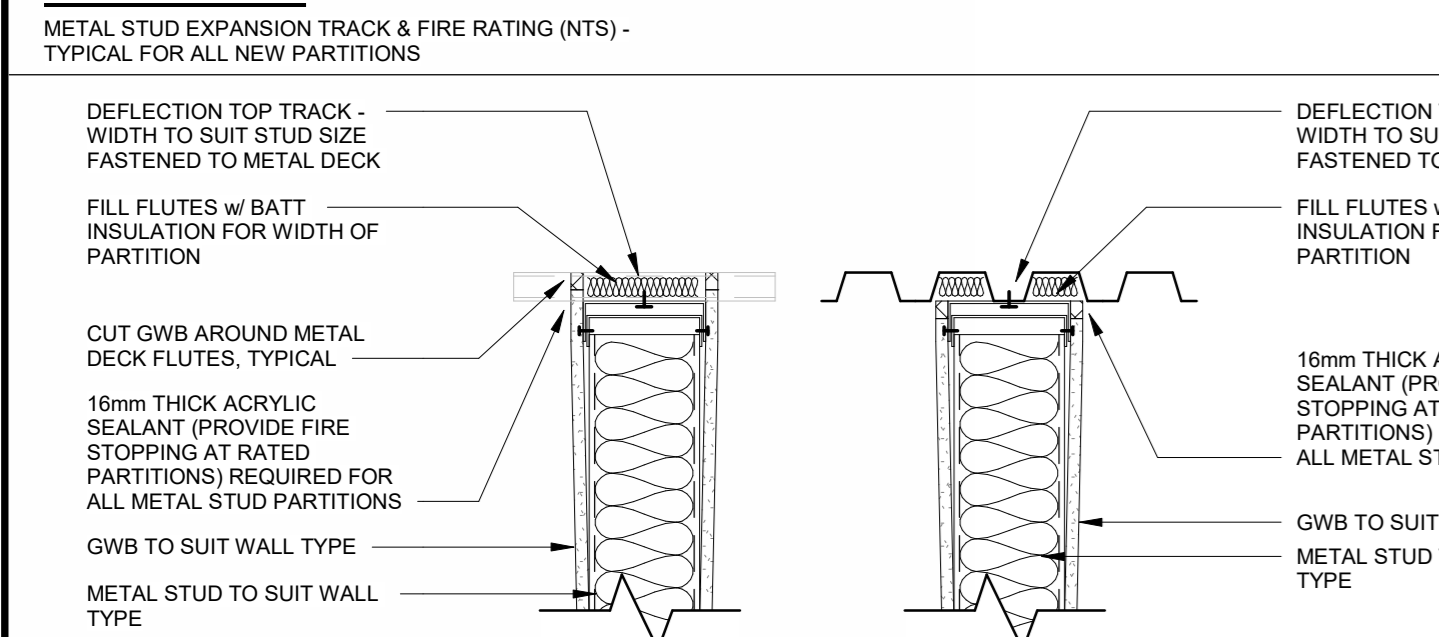
SLAB ON GRADE REPAIR DETAIL N.T.S. - TYPICAL FOR ALL SLAB ON GRADE INFILLS



TYPICAL DETAIL

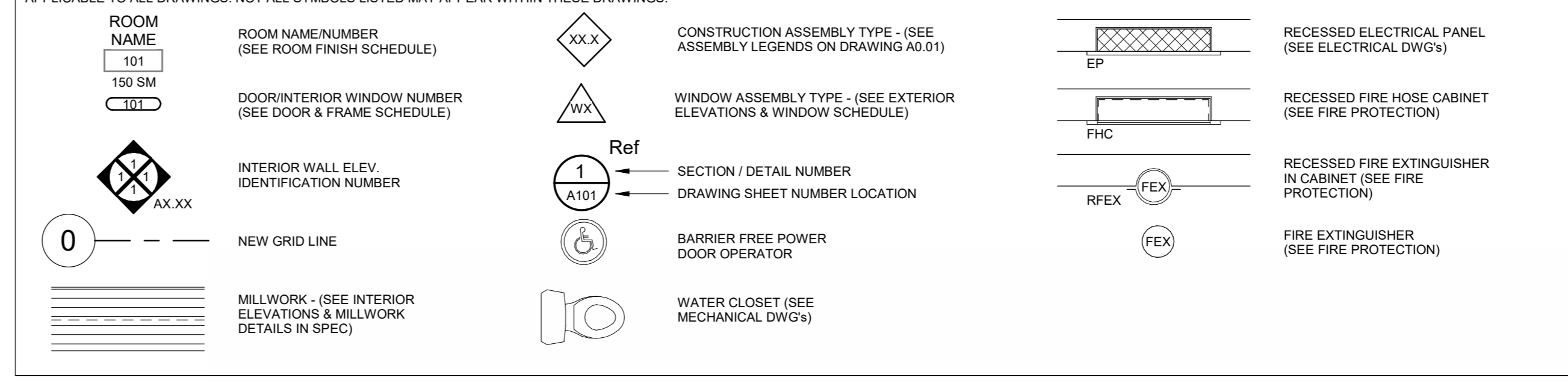


TYPICAL DETAIL

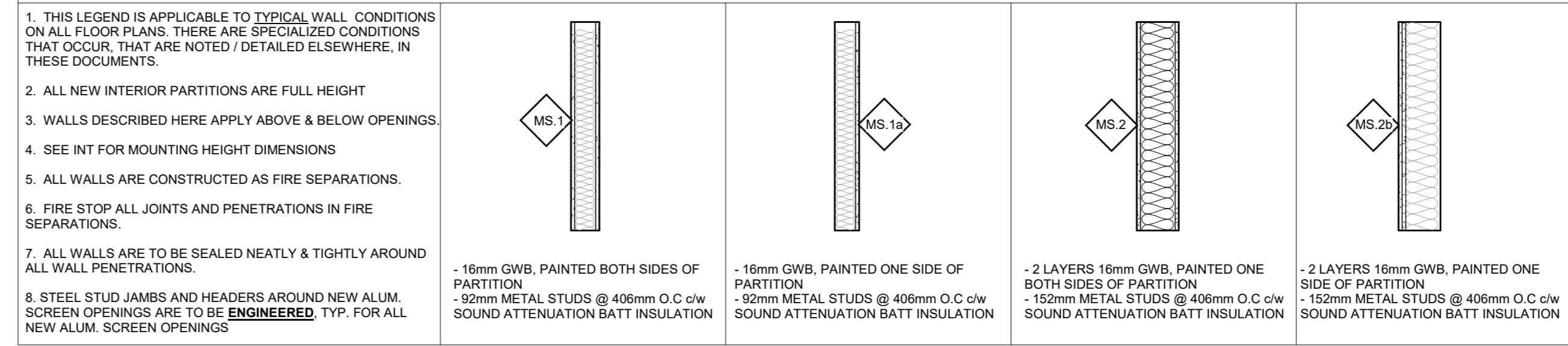


GROUND FLOOR HOARDING PLAN

SYMBOL LEGEND



WALL ASSEMBLY LEGEND



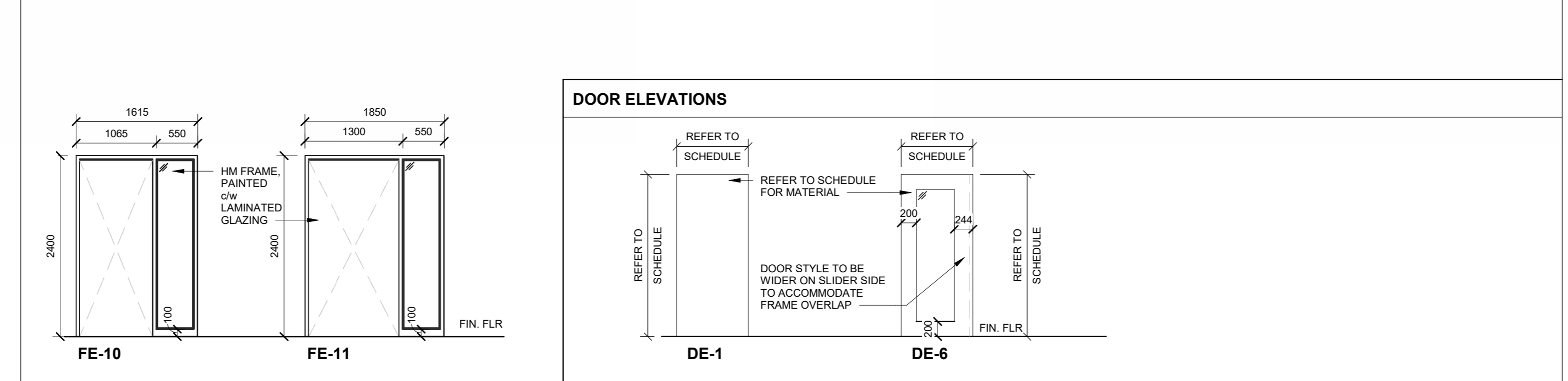
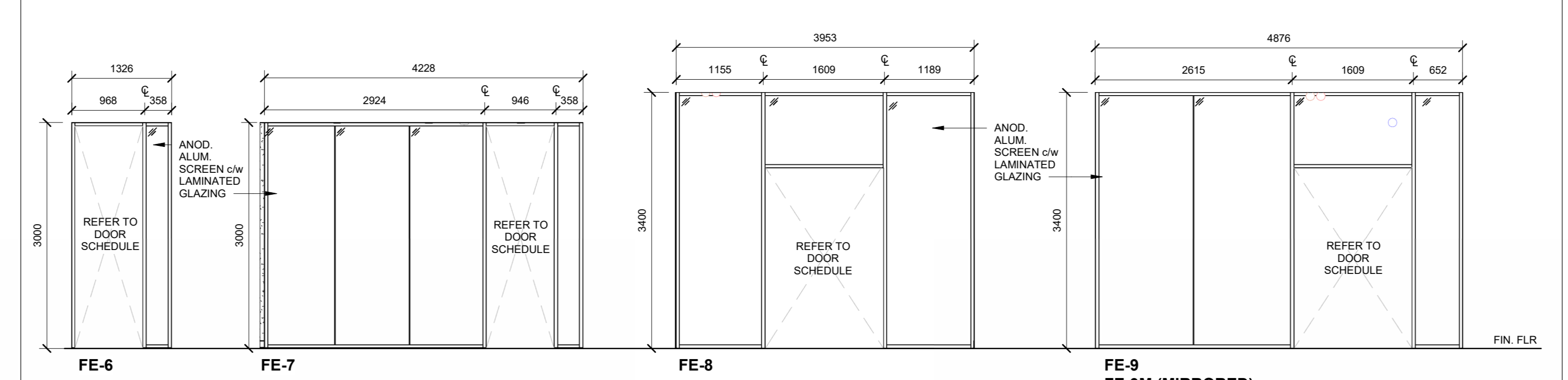
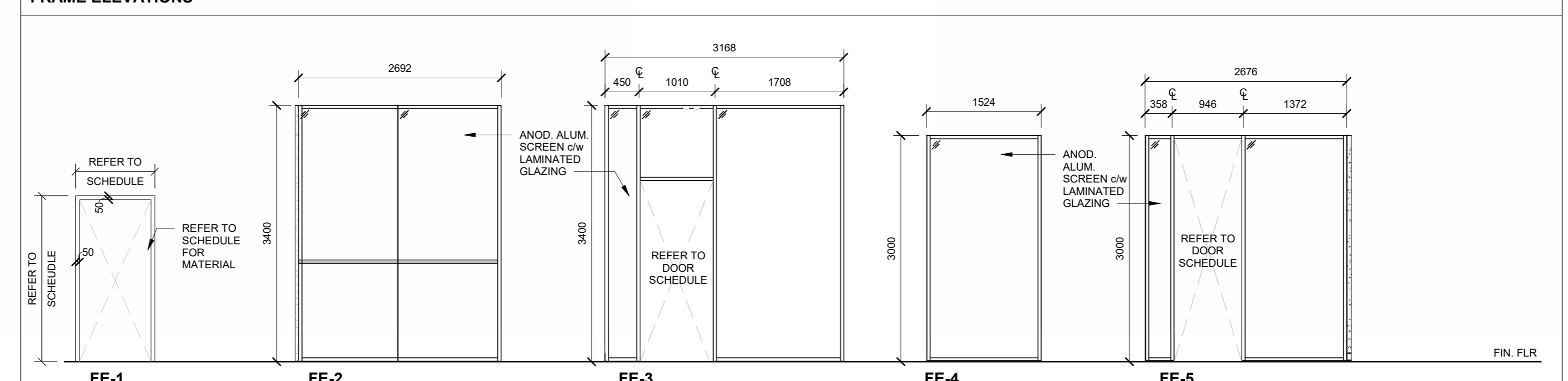
GENERAL NOTES

- CONTRACTOR TO VERIFY DIMENSIONS ON SITE AND REPORT ALL DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING.
- REFER TO FLOOR PLANS FOR FIRE SEPARATION LOCATIONS CARRY ALL PARTITIONS TO UNDERSIDE OF STRUCTURAL PRECAST SLABS OR METAL DECK UNLESS NOTED OR DETAILED OTHERWISE.
- FIRE STOP ALL JOINTS AND PENETRATIONS IN FIRE SEPARATIONS.
- INTERIOR DIMENSIONS ARE FROM FACE OF CONCRETE BLOCK TO FACE OF CONCRETE BLOCK OR FACE OF GYP. WALL BOARD TO FACE OF GYP. WALL BOARD.
- REFER TO OVERALL FLOOR PLANS FOR FIRE SEPARATIONS.
- FIRE STOP ALL JOINTS AND PENETRATIONS IN FIRE SEPARATIONS.
- SLOPE NEW FLOORS 1.5% TO DRAINS.
- ALL CONCRETE BLOCK TO BE LIGHT WEIGHT.
- PROVIDE SOLID WOOD BLOCKING BEHIND ALL WASHROOM ACCESSORIES & DOOR HARDWARE IN METAL STUD PARTITIONS.
- INFILL ALL EXISTING MECHANICAL OPENINGS WITH NEW BLOCK TO MATCH EXISTING. COORDINATE WITH MECHANICAL DEMOLITION PLANS.
- USE MOISTURE RESISTANT GWB IN ALL WASHROOMS, SHOWER ROOMS, AND KITCHEN AREAS.
- ALL NEW ELECTRICAL DATA DEVICES IN EXIST. WALL PARTITIONS ARE TO BE PATCHED AND REPAIRED TO SUIT NEW FINISHES. REFER TO ELECTRICAL DRAWINGS. TYPICAL FOR ALL RENOVATED SPACES.
- ALL INTERIOR CONCRETE BLOCK TO HAVE BULLNOSE CORNERS. TYPICAL IN ALL LOCATIONS UNLESS NOTED OTHERWISE.
- ALL WALLS TO BE CONSTRUCTED AS 90 MIN FIRE SEPARATIONS UNLESS NOTED OTHERWISE.
- ALL PARTITIONS TO CARRY OVER OPENINGS UNLESS NOTED OTHERWISE.
- CONTRACTOR TO RESTORE ALL AREAS DISTURBED BY CONSTRUCTION.
- TOOTH-IN NEW CONCRETE BLOCK WITH EXISTING CONCRETE BLOCK. NEW CONCRETE BLOCK TO MATCH EXISTING CONCRETE BLOCK IN EXISTING WALL UNLESS NOTED OTHERWISE.
- ALL DOORS INSTALLED 100mm FROM WALL ON HINGE SIDE UNLESS NOTED OTHERWISE.

DOOR & FRAME SCHEDULE 1176

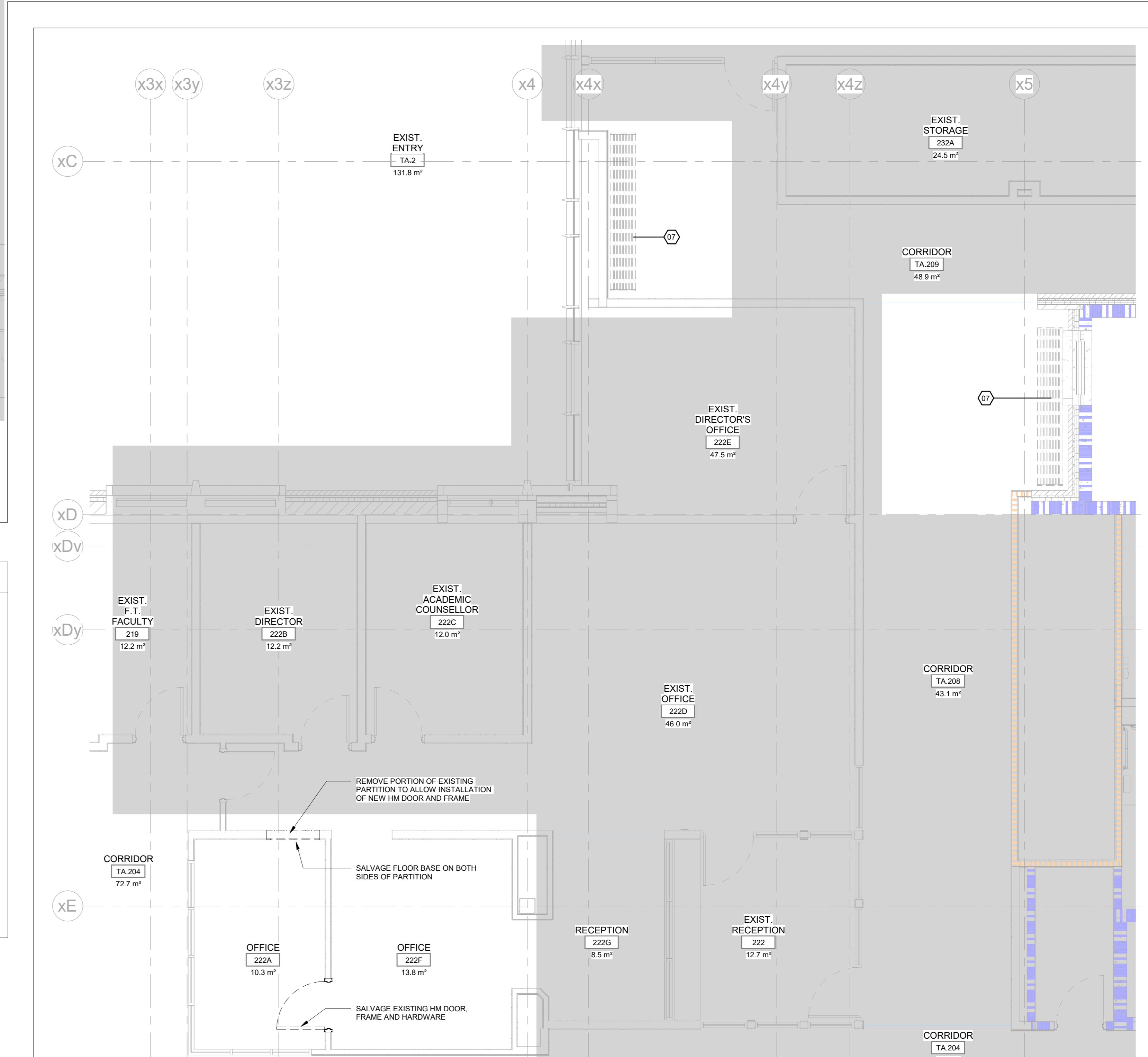
LEGEND																							
ALUM	ALUMINUM	DF	DOOR FINISH	FM	FRAME MATERIAL	LAM	LAMINATED GLAZING	T	THICKNESS	W	WIDTH	W	WIDTH	W	WIDTH	W	WIDTH	W	WIDTH	W	WIDTH	W	WIDTH
ANOD	ANODIZED	DM	DOOR MATERIAL	H	HEIGHT	P	PAIN	WP	WEATHER STRIPPING	WS	WOOD SOLID CORE	WS	WOOD SOLID CORE	WS	WOOD SOLID CORE	WS	WOOD SOLID CORE	WS	WOOD SOLID CORE	WS	WOOD SOLID CORE	WS	WOOD SOLID CORE
DC	DOOR CONTACT	FE	FRAME ELEVATION	HM	HOLLOW METAL	PDO	POWER DOOR OPERATOR	WRP	WEATHER STRIPPING														
DE	DOOR ELEVATION	FF	FRAME FINISH	HM	HOLLOW METAL	SAV	STAIN & VARNISH	WSC	WOOD SOLID CORE														
NOTE: ALL WSC DOORS ARE TO BE OWNER SUPPLIED, CONTRACTOR TO INSTALL.																							
FL 1.0		NO.		SIZE		DOOR		DM		DF		GLASS		FE		FD		FM		FF		HANDLE	
9-1		96x2400x45		DE-1		WSC		SAV		FE-3		FD-3FD-4		ALUM		ANOD		NO		YES		YES	
9A.1		901x255x45		DE-6		ALUM		ANOD		LAM		FE-8		FD-3FD-3		ALUM		ANOD		YES		NO	
9B.1		900x255x45		DE-6		ALUM		ANOD		LAM		FE-8		FD-3FD-3		ALUM		ANOD		YES		NO	
9C.1		900x255x45		DE-6		ALUM		ANOD		LAM		FE-8		FD-3FD-3		ALUM		ANOD		YES		NO	
9D.1		901x255x45		DE-6		ALUM		ANOD		LAM		FE-8		FD-3FD-3		ALUM		ANOD		YES		NO	
13-1		96x2400x45		DE-1		WSC		SAV		FE-8		FD-3FD-4		ALUM		ANOD		NO		YES		YES	
13-2		600x2400x45		DE-1		WSC		SAV		FE-8		FD-3FD-4		ALUM		ANOD		NO		YES		YES	
14-1		96x2400x45		DE-1		WSC		SAV		FE-9		FD-3FD-4		ALUM		ANOD		YES		YES		YES	
14-2		600x2400x45		DE-1		WSC		SAV		FE-9		FD-3FD-4		ALUM		ANOD		NO		YES		YES	
14-3		96x2400x45		DE-1		WSC		SAV		FE-9M		FD-3FD-4		ALUM		ANOD		YES		YES		YES	
14-4		600x2400x45		DE-1		WSC		SAV		FE-9M		FD-3FD-4		ALUM		ANOD		NO		YES		YES	
FL 2.0		222F-1		915x2134x45		DE-1		EXIST.		EXIST.		FE-1		FD-1		EXIST.		PT		EXIST.		EXIST.	
222F-1		915x2134x45		DE-1		WSC		SAV		FE-1		FD-2		HM		PT		YES		YES		YES	
FL 3.0		303A-1		96x2400x45		DE-1		EXIST.		EXIST.		FE-10		FD-2		HM		PT		YES		YES	
303A-1		1200x255x45		DE-1		HM		PT		FE-10		FD-2		HM		PT		YES		YES		YES	
311A-1		1200x255x45		DE-1		WSC		SAV		FE-11		FD-2		HM		PT		YES		YES		YES	
312.1		1200x255x45		DE-1 (RHW)		WSC		SAV		FE-11		FD-2		HM		PT		YES		NO		POCKET DOOR KIT	
313.1		1200x255x45		DE-1		WSC		SAV		FE-11		FD-1		HM		PT		YES		YES		YES	
314.1		96x2400x45		DE-1		WSC		SAV		FE-10		FD-1		HM		PT		YES		YES		YES	
NOTE:		* 1370mm WIDTH ON SLIDING POCKET DOOR. DOOR LEAF TO EXCEED OPENING WIDTH AS REQUIRED FOR BAR PULL ACCESS AND STABILITY IN POCKET WHEN DOOR IS FULLY CLOSED. SEE DETAIL.																					

FRAME ELEVATIONS



ROOM FINISH SCHEDULE 1176

LEGEND																			
ACT	ACCTG TILE	EXIST	EXISTING	GL	GLAZING / GLASS	MW	MLLWORK	RSF	RESILIENT SHEET FLOOR										
CM	CEILING FINISH	FF	ACUSTIC FELT	GWB	GYPSUM WALL BOARD	RAF	PAINT	WM	WALL FINISH										
CONC.	CEILING MATERIAL	FF	FLOOR FINISH	GWB	GYPSUM BOARD	RAF	RESILIENT ATHLETIC FLOOR	WM	WALL MATERIAL										
CONC.	POURED CONC.	FF	FLOOR MATERIAL	LVT	LUXURY VINYL TILE	RAF	RUBBER BASE	WM											
NO.	ROOM NAME	FM	FF	BASE	NORTH	WEST	SOUTH	WM	CEILING										
FL 1.0		FM	FF	BASE	WM	WF	WF	WM	CF										
9A	UNDERGRADUATE STUDENT	EXIST.	LVT-1	RB-1	GYPLG	P-	GYP	P	GYPLG	P-	ACT/GYP	-P							
9B	BREAKFAST ROOM	EXIST.	LVT-1	RB-1	GL	-	GYPLG	P-	GL	-	GYPLG	MMWFL	ACT/GYP	-P					
9C	BREAKFAST ROOM	EXIST.	LVT-1	RB-1	GYP	P	GYPLG	P-	GYPLG	P-	GYP	ACT/GYP	-P						
9D	BREAKFAST ROOM	EXIST.	LVT-1	RB-1	GYP	MMWFL	GYPLG	P-	GYP	P	GYPLG	ACT/GYP	-P						
10	STRENGTH & CONDITIONING	EXIST.	RFB-1	RB-1	GYP	P	GYPLG	P-	GYPLG	P-	GYP	ACT/GYP	-P						
13	STRENGTH & CONDITIONING	EXIST.	RFB-1	RB-1	GYP	P	GYPLG	P-	GYPLG	P-	GYP	ACT/GYP	-P						
14	ANATOMY LAB	EXIST.	RSF-1RSF-2	RB-1	GYP	MMWFL	GYP	PMW	GYPLG	P-	GYP	PMW	ACT/GYP	-P					
TA.3	CORRIDOR	EXIST.	PT-1	PT-1	GYP	-	GYPLG	P-	GYP	P	ACT	-		*FLOOR ACCELS LVT-2 & LVT-3.1 BOX PER COLOUR					
TA.6	EXIST. CORRIDOR	EXIST.	EXIST. PT	EXIST. GYPCON C	P-	-	-	-	GYP	P	ACT/GYP	-P		*NEW PT.1 AT CLASSROOM ENTRY ALCOVES. REFER TO PLANS					
FL 2.0																			
222A	OFFICE	EXIST.	EXIST.	RB-2	GYP	P	GYP	P	-	-	-	EXIST.	EXIST.	*NEW FLOOR BASE ON ENTIRETY OF PARTITION RECEIVING WALL					
222F	OFFICE	EXIST.	EXIST.	RB-2	GYP	P	GYP	P	-	-	-	EXIST.	EXIST.	*NEW FLOOR BASE ON ENTIRETY OF PARTITION RECEIVING WALL					
FL 3.0																			
301A	EXIST TECH PREPARATION	EXIST.	EXIST.	RB-1	GYP	P	EXIST	EXIST	EXIST	EXIST	GYP	P	EXIST	*NEW RB.1 ON PARTITION WITH WALL INFILL					
310A	SKILLS LAB - SEMINAR A	EXIST.	RSF-1	RB-1	GYP	P	GYP	P	GYP	P	-	ACT/GYP	-P						
311B	SKILLS LAB - SEMINAR B	EXIST.	RSF-1	RB-1	GYP	P	-	-	GYP	P	-	ACT/GYP	-P						
312	SKILLS LAB C PRACTICE	EXIST.	RSF-1RSF-2	RB-1	GYP	P	GYP	P	GYP	P	GYP	ACT/GYP	-P						
312A	TECH PREPARATION	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.						
312B	STORAGE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.						
313	TECH PREPARATION	EXIST.	RSF-1	RB-1	GYP	P	GYP	P	GYP	P	GYP	ACT	-P						
316	TECH PREPARATION	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.						
TA.302	CORRIDOR	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.						



2 ENLARGED SECOND FLOOR DEMO PLAN
A2.2R 0 0.5 1.25 2.5 m
1:50

- CONTRACTOR TO VERIFY ALL DIMENSION ON SITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- DEMOLITION PLANS ARE TO BE READ IN CONJUNCTION WITH FLOOR PLANS.
- CONFIRM THE REMOVAL OF EXISTING ROOFING MATERIAL WITH THE FOLLOWING:
- CONFIRM THE REMOVAL OF ALL MECHANICAL EQUIPMENT WITH THE FOLLOWING:
- CONFIRM THE REMOVAL OF ALL ELECTRICAL EQUIPMENT WITH THE FOLLOWING:
- CONFIRM THE EXTENT AND DIMENSION OF ALL AREAS TO BE REMOVED WORK TO BE PERFORMED BY THE FOLLOWING ITEMS:
- WHERE EXISTING FLOOR FINISHES ARE TO BE REMOVED INCLUDE THE FOLLOWING:
- WHERE EXISTING WALLS ARE TO BE REMOVED INCLUDE THE REMOVAL OF THE FOLLOWING:
- SALVAGE EXISTING WASHROOM ACCESSORIES, INCLUDING SINKS, TUBS, TOILETS, AND SHOWER ENCLOSURES, TO BE REMOVED AND RELOCATED UNLESS NOTED OTHERWISE.
- WHERE EXISTING DOORS AND PARTIALS RELATING TO MECH. AND ELEC. EQUIPMENT BY GENERAL CONTRACTOR. REFER TO MECH. AND ELEC. DRAWINGS.
- CONFIRM TO ASSIST CONTRACTOR FOR LOCATIONS OF ASBESTOS PROJECTS.
- CONFIRM TO REMOVE ALL SMARTBOARDS, PROJECTORS AND ELECTRONIC DEVICES PRIOR TO ANY WORK COMMENCING.
- CONFIRM TO REMOVE ALL ON-SITE FURNITURE AND EQUIPMENT.
- REMOVE ALL NEW MASONRY WITH EXISTING MASONRY UNITS. TYP.

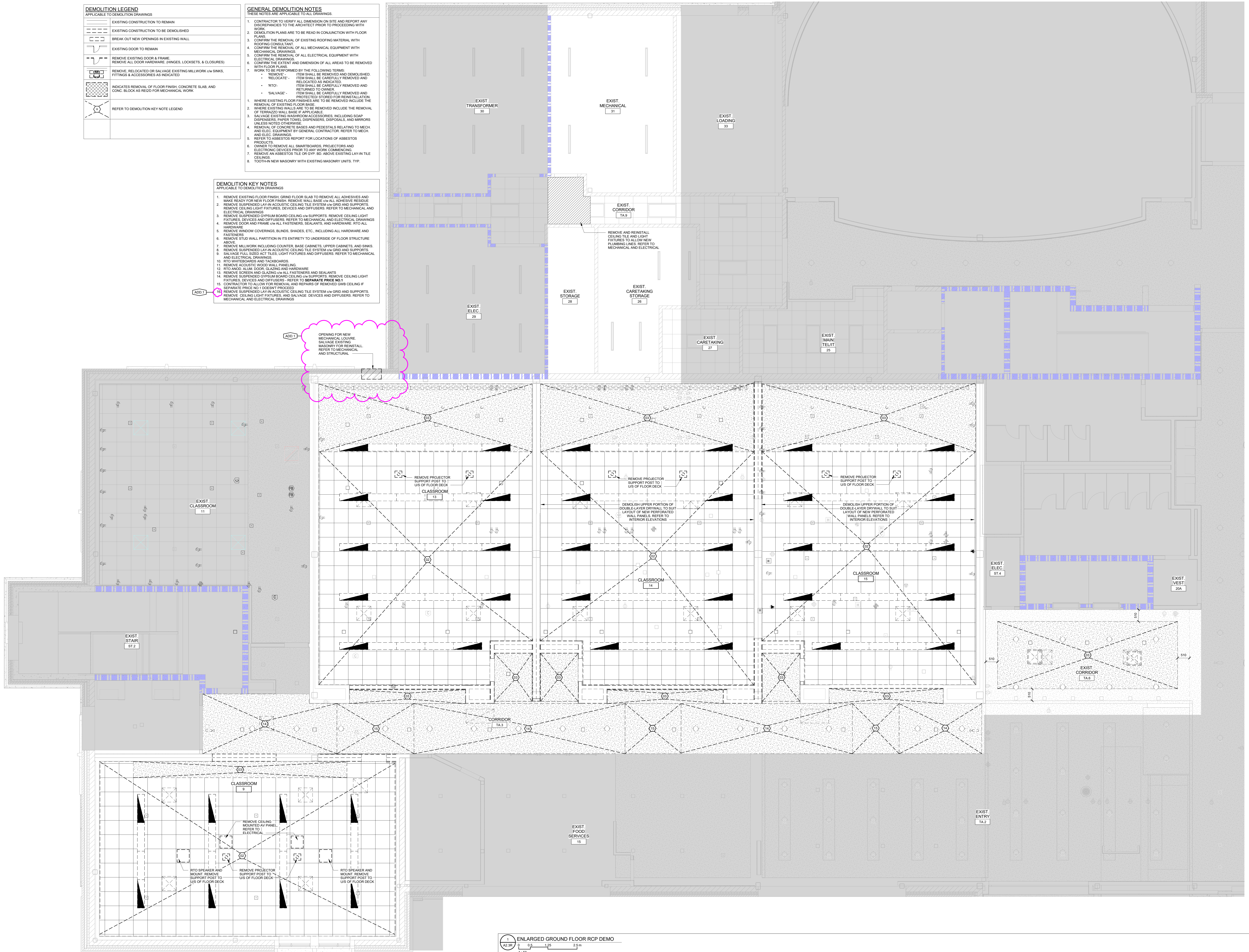
DEMOLITION LEGEND
APPLICABLE TO DEMOLITION DRAWINGS

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- BREAK OUT NEW OPENINGS IN EXISTING WALL
- EXISTING DOOR TO REMAIN
- REMOVE EXISTING DOOR & FRAME
REMOVE ALL DOOR HARDWARE (HINGES, LOCKSETS, & CLOSURES)
- REMOVE, RELOCATED OR SALVAGE EXISTING MILLWORK (w/ SINKS, FITTINGS & ACCESSORIES AS INDICATED)
- INDICATES REMOVAL OF FLOOR FINISH, CONCRETE SLAB, AND CONC. BLOCK AS REQ'D FOR MECHANICAL WORK
- REFER TO DEMOLITION KEY NOTE LEGEND

- GENERAL DEMOLITION NOTES**
THESE NOTES ARE APPLICABLE TO ALL DRAWINGS.
- CONTRACTOR TO VERIFY ALL DIMENSION ON SITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
 - DEMOLITION PLANS ARE TO BE READ IN CONJUNCTION WITH FLOOR PLANS.
 - CONFIRM THE REMOVAL OF EXISTING ROOFING MATERIAL WITH ROOFING CONSULTANT.
 - CONFIRM THE REMOVAL OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS.
 - CONFIRM THE REMOVAL OF ALL ELECTRICAL EQUIPMENT WITH ELECTRICAL DRAWINGS.
 - CONFIRM THE EXTENT AND DIMENSION OF ALL AREAS TO BE REMOVED WITH FLOOR PLANS.
 - WORK TO BE PERFORMED BY THE FOLLOWING TERMS:
 - REMOVE - ITEM SHALL BE REMOVED AND DEMOLISHED.
 - RELOCATE - ITEM SHALL BE CAREFULLY REMOVED AND RELOCATED AS INDICATED.
 - RTO - ITEM SHALL BE CAREFULLY REMOVED AND RETURNED TO OWNER.
 - SALVAGE - ITEM SHALL BE CAREFULLY REMOVED AND PROTECTED/ STORED FOR REINSTALLATION.
 - WHERE EXISTING FLOOR FINISHES ARE TO BE REMOVED INCLUDE THE REMOVAL OF EXISTING FLOOR BASE.
 - WHERE EXISTING WALLS ARE TO BE REMOVED INCLUDE THE REMOVAL OF TERRAZZO WALL BASE IF APPLICABLE.
 - SALVAGE EXISTING WASHROOM ACCESSORIES, INCLUDING SOAP DISPENSERS, PAPER TOWEL DISPENSERS, DISPOSALS, AND MIRRORS UNLESS NOTED OTHERWISE.
 - REMOVAL OF CONCRETE BASES AND PEDESTALS RELATING TO MECH. AND ELEC. EQUIPMENT BY GENERAL CONTRACTOR. REFER TO MECH. AND ELEC. DRAWINGS.
 - REFER TO ASBESTOS REPORT FOR LOCATIONS OF ASBESTOS PRODUCTS.
 - OWNER TO REMOVE ALL SMARTBOARDS, PROJECTORS AND ELECTRONIC DEVICES PRIOR TO ANY WORK COMMENCING.
 - REMOVE AN ASBESTOS TILE OR GYP. SD. ABOVE EXISTING LAY-IN TILE CEILINGS.
 - TOOTH-IN NEW MASONRY WITH EXISTING MASONRY UNITS. TYP.

- DEMOLITION KEY NOTES**
APPLICABLE TO DEMOLITION DRAWINGS
- REMOVE EXISTING FLOOR FINISH, GRIND FLOOR SLAB TO REMOVE ALL ADHESIVES AND MAKE READY FOR NEW FLOOR FINISH. REMOVE WALL BASE (w/ ALL ADHESIVE RESIDUE).
 - REMOVE SUSPENDED LAY-IN ACOUSTIC CEILING TILE SYSTEM (w/ GRID AND SUPPORTS). REMOVE CEILING LIGHT FIXTURES, DEVICES AND DIFFUSERS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
 - REMOVE SUSPENDED GYPSUM BOARD CEILING (w/ SUPPORTS). REMOVE CEILING LIGHT FIXTURES, DEVICES AND DIFFUSERS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
 - REMOVE DOOR AND FRAME (w/ ALL FASTENERS, SEALANTS, AND HARDWARE. RTO ALL HARDWARE).
 - REMOVE WINDOW COVERINGS, BLINDS, SHADES, ETC., INCLUDING ALL HARDWARE AND FASTENERS.
 - REMOVE STUD WALL PARTITION IN ITS ENTIRETY TO UNDERSIDE OF FLOOR STRUCTURE ABOVE.
 - REMOVE MILLWORK INCLUDING COUNTER, BASE CABINETS, UPPER CABINETS, AND SINKS.
 - REMOVE SUSPENDED LAY-IN ACOUSTIC CEILING TILE SYSTEM (w/ GRID AND SUPPORTS).
 - SALVAGE FULL SIZED ACT TILES, LIGHT FIXTURES AND DIFFUSERS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
 - RTO WHITEBOARDS AND TACKBOARDS.
 - REMOVE ACOUSTIC WOOD WALL PANELING.
 - RTO AND/ALUM. DOOR, GLAZING AND HARDWARE.
 - REMOVE SCREEN AND GLAZING (w/ ALL FASTENERS) AND SEALANTS.
 - REMOVE SUSPENDED GYPSUM BOARD CEILING (w/ SUPPORTS). REMOVE CEILING LIGHT FIXTURES, DEVICES AND DIFFUSERS. REFER TO **SEPARATE PRICE NO. 1**.
 - CONTRACTOR TO ALLOW FOR REMOVAL AND REPAIRS OF REMOVED GWB CEILING IF SEPARATE PRICE NO. 1 DOESN'T PROCEED.
 - REMOVE SUSPENDED LAY-IN ACOUSTIC CEILING TILE SYSTEM (w/ GRID AND SUPPORTS). REMOVE CEILING LIGHT FIXTURES, DEVICES AND DIFFUSERS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.

ADD 1
OPENING FOR NEW MECHANICAL LOUIVE. SALVAGE EXISTING MASONRY FOR REINSTALL. REFER TO MECHANICAL AND STRUCTURAL.



1 ENLARGED GROUND FLOOR RCP DEMO
A2.3R 0 0.5 1.25 2.5 m
1:50

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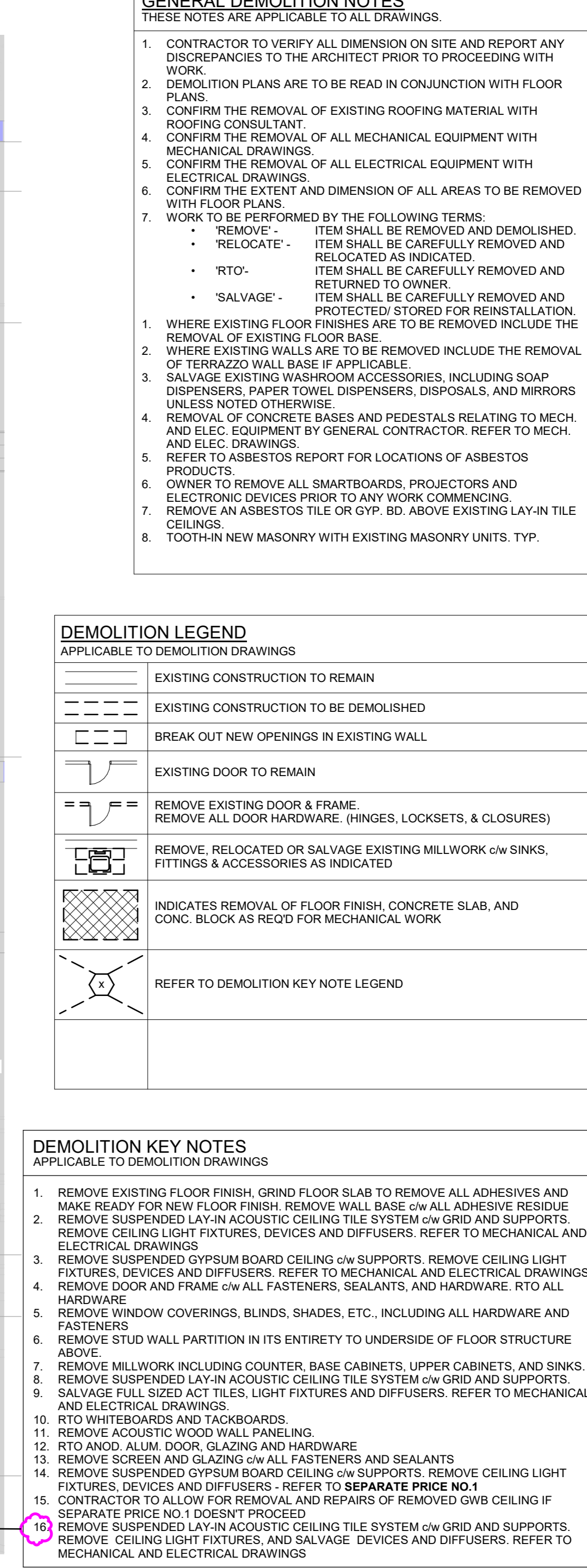
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2024-06-26 PRE-SUBMIT FOR ADDENDUM #1

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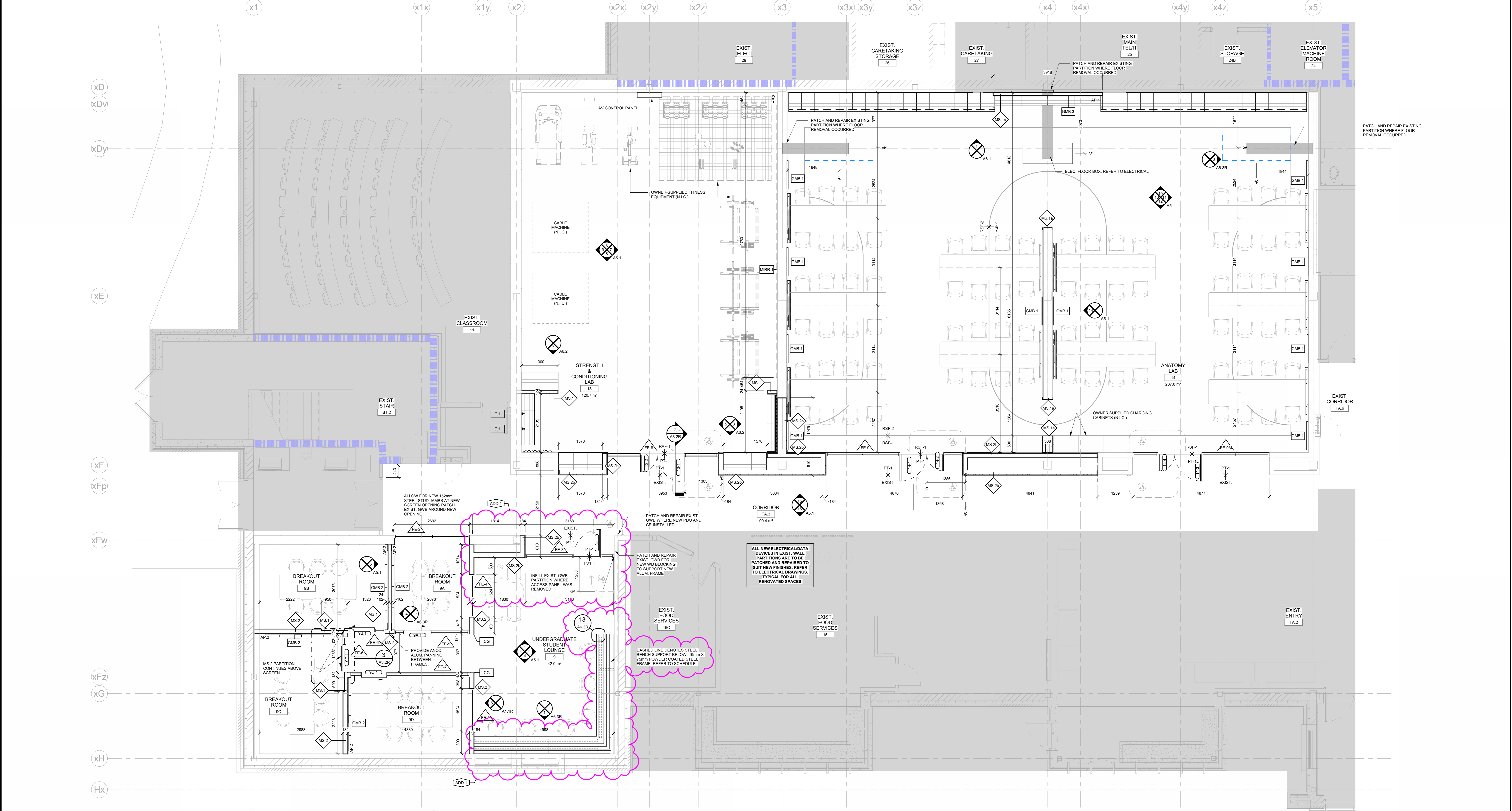
WU LHSB RENOVATIONS
ENLARGED DEMOLITION RCP PLAN

Project No. 1176
Drawn By: PL
Rev. Date: 2024-06-26

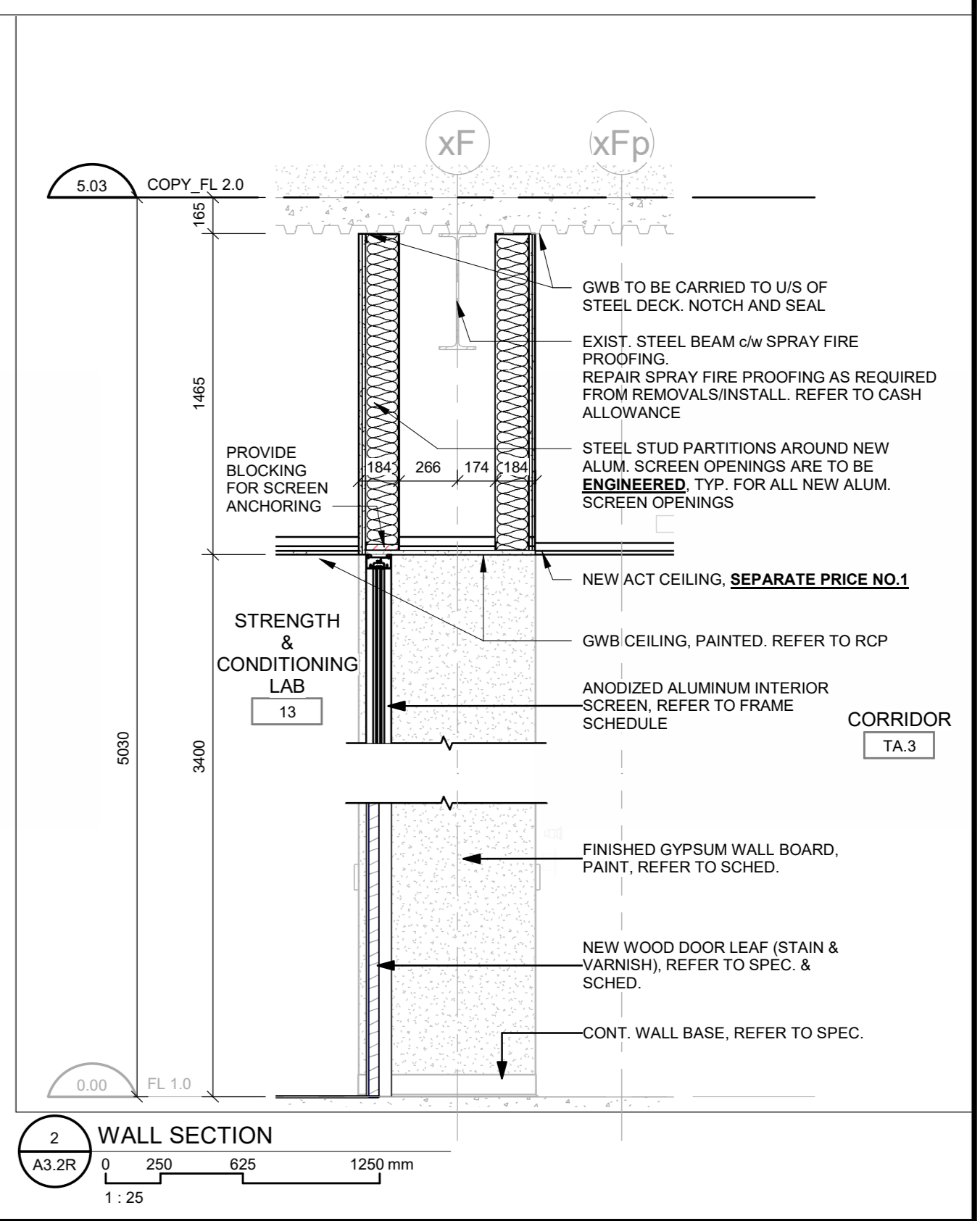
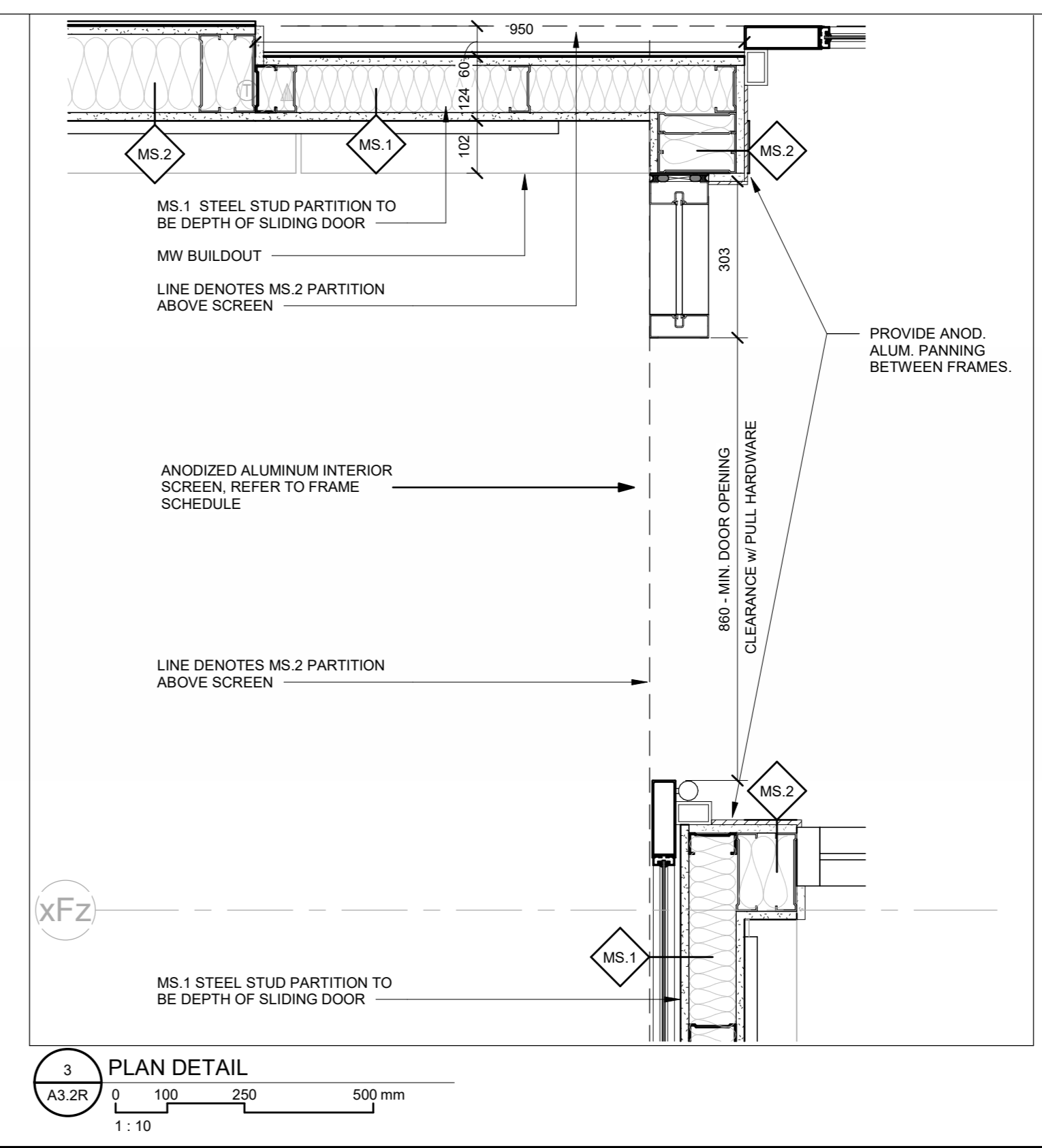
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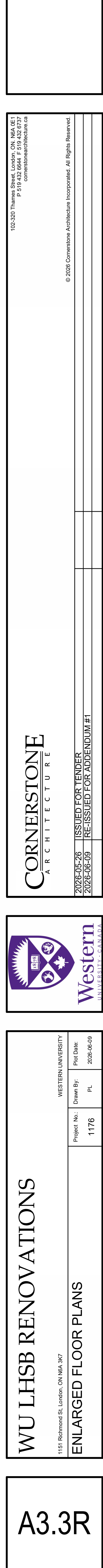
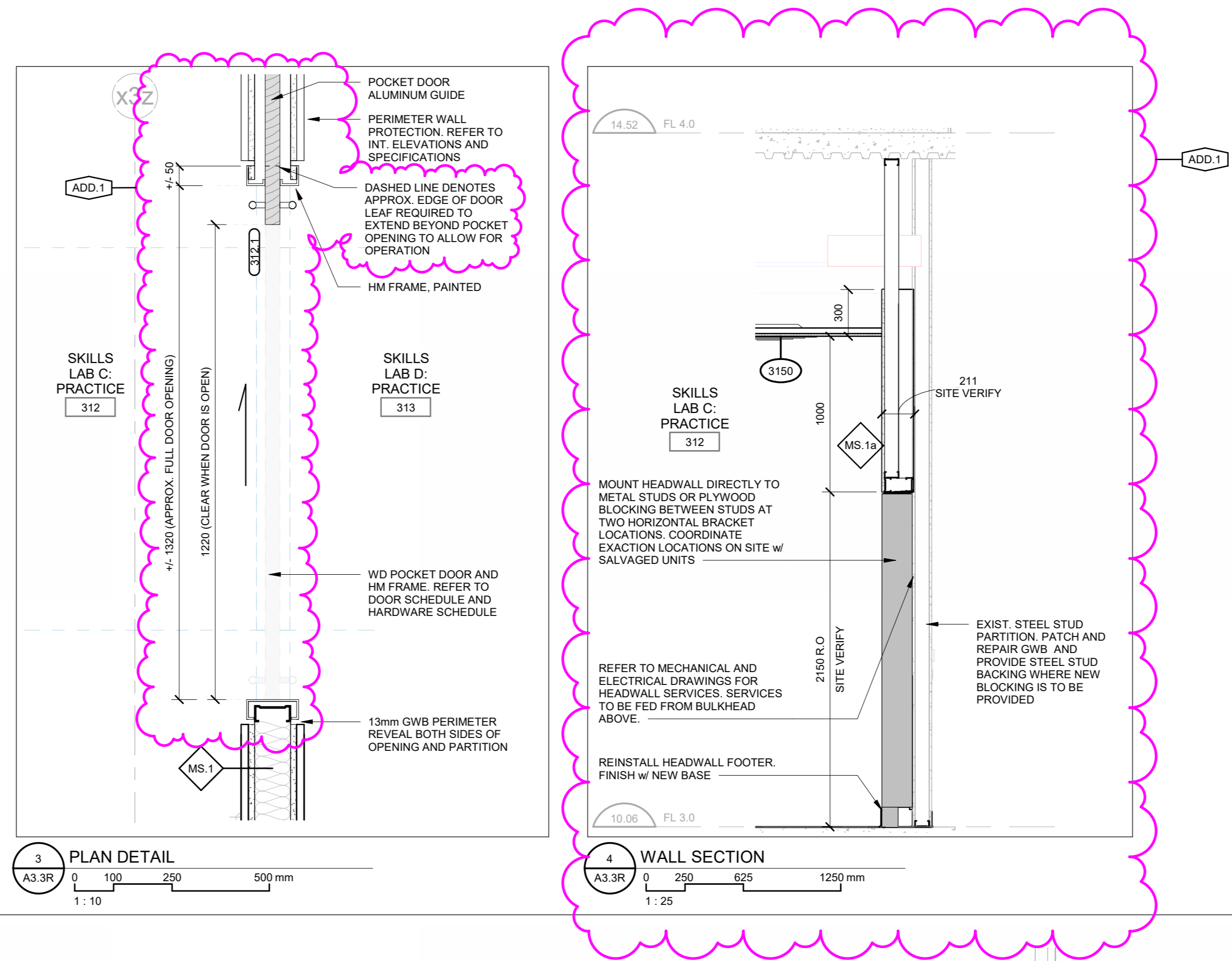


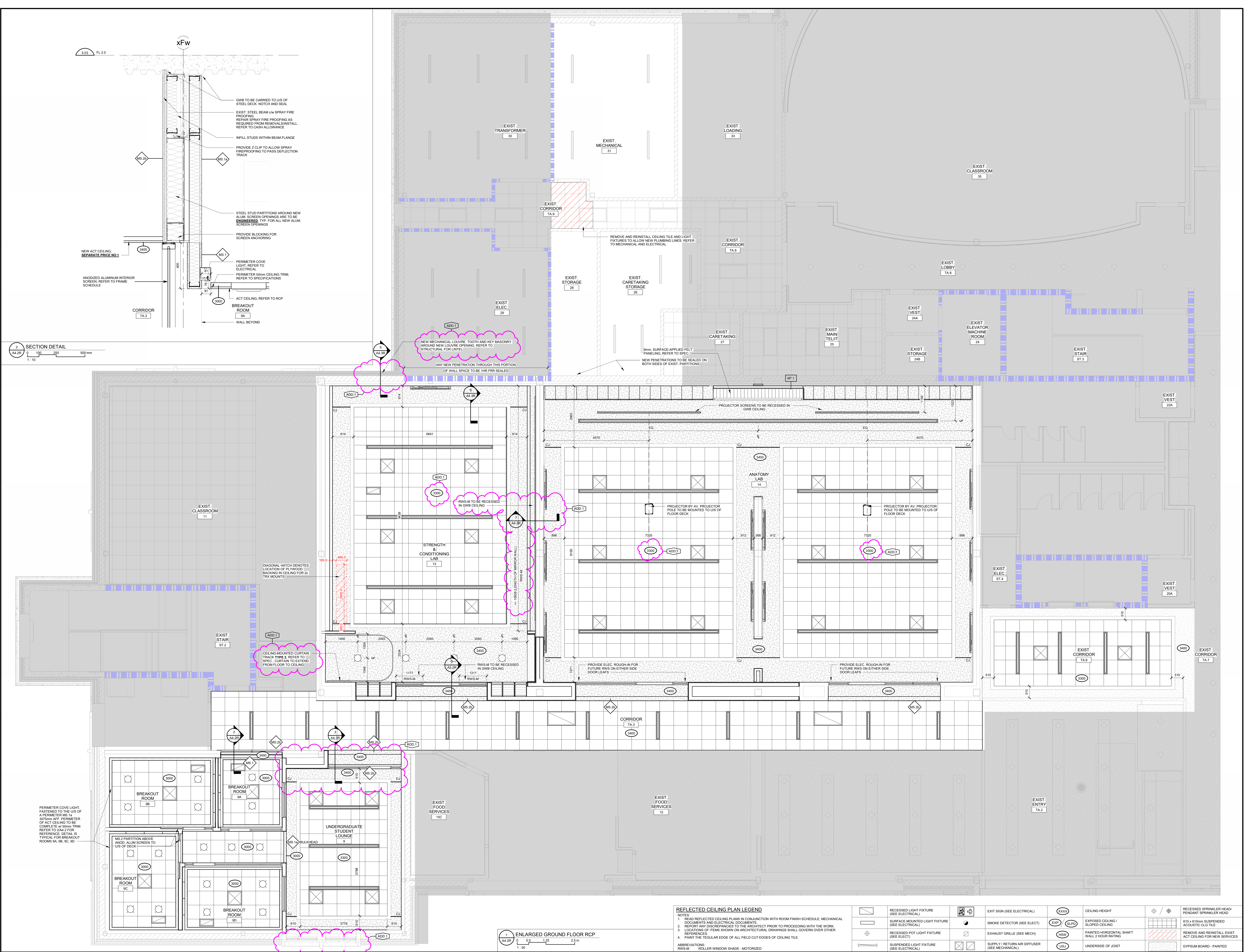
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ENLARGED GROUND FLOOR PLAN
A3.2R
1:50







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WU LHSB RENOVATIONS

ENLARGED RCP PLANS

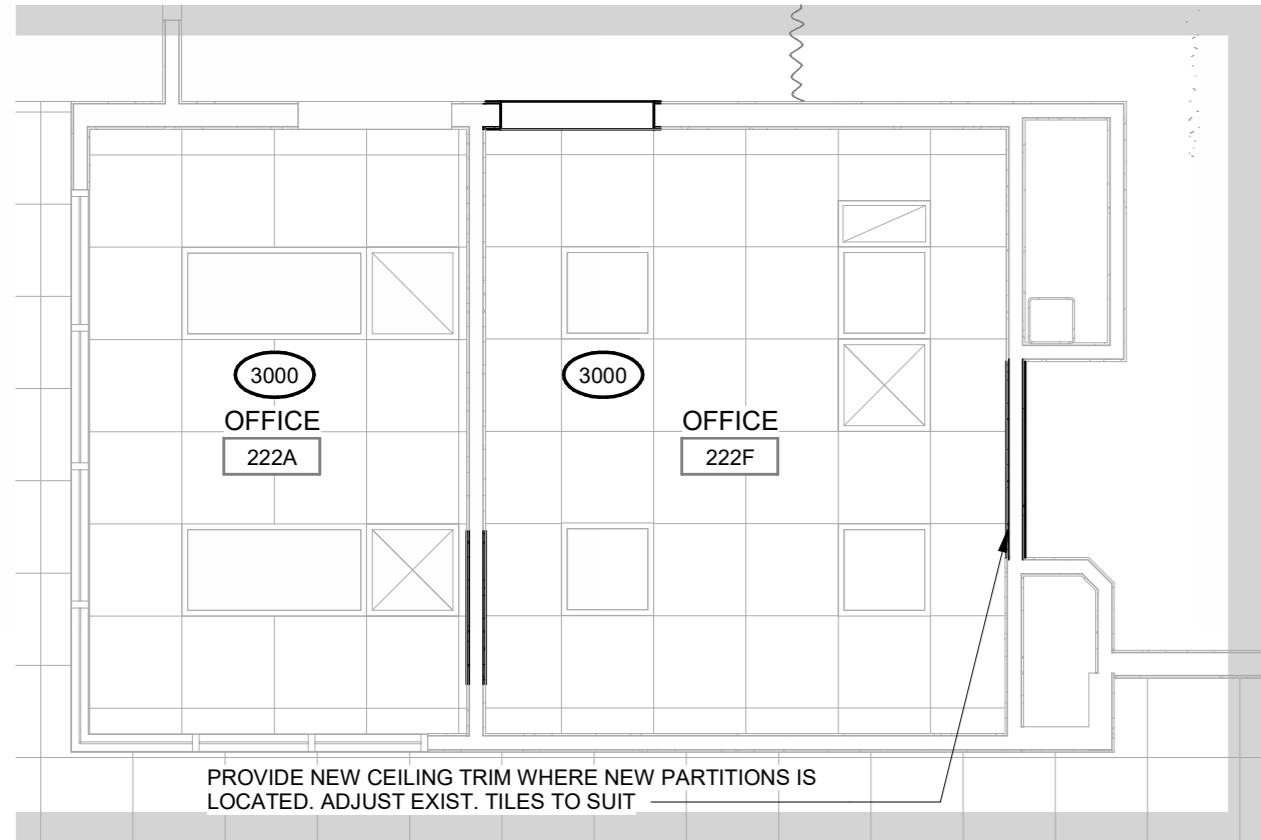
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2024-06-26

ISSUED FOR TENDER
REVISION
RE-SUBMIT FOR ADDENDUM #1

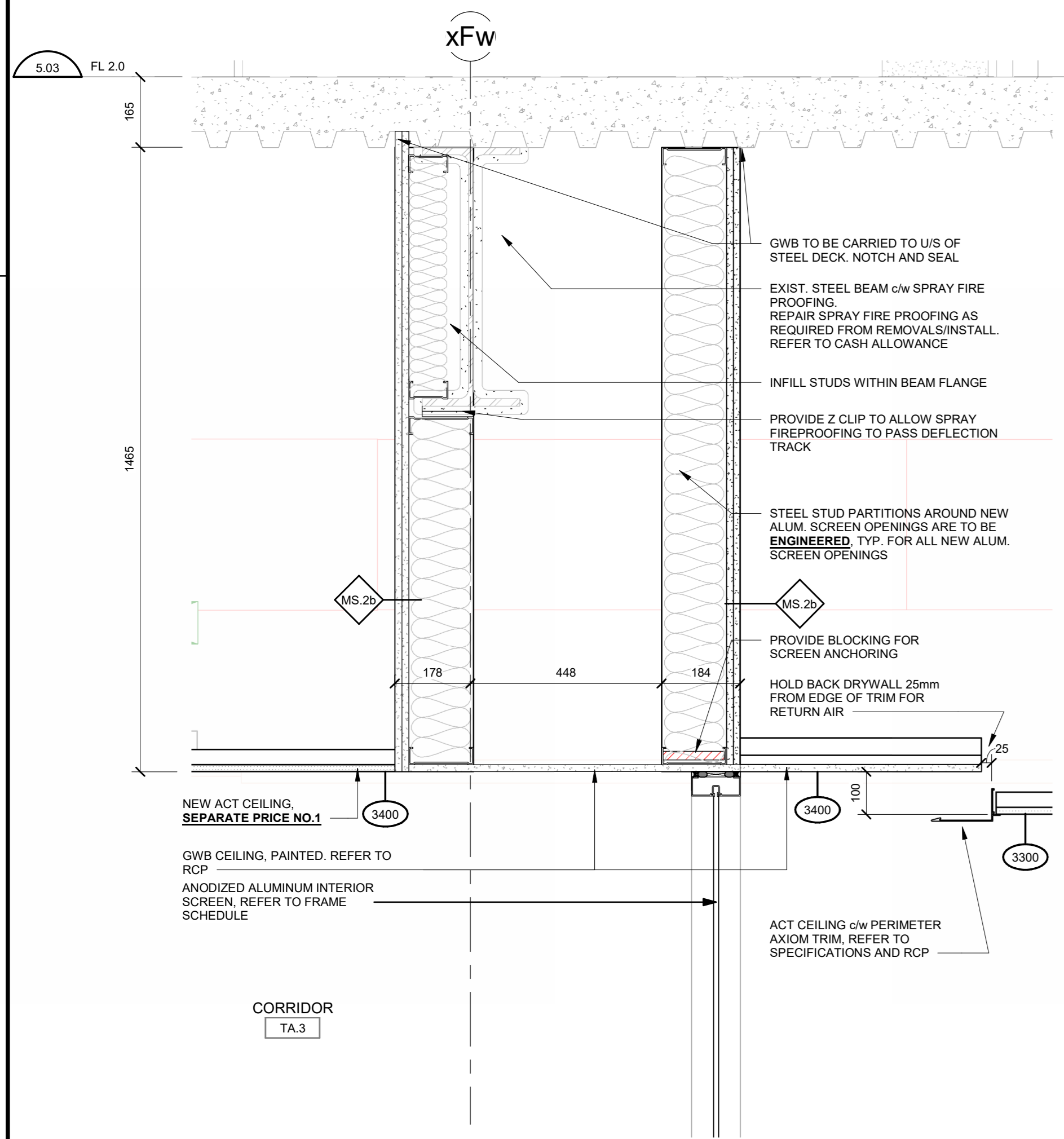
PL
1176

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Project No. 1176

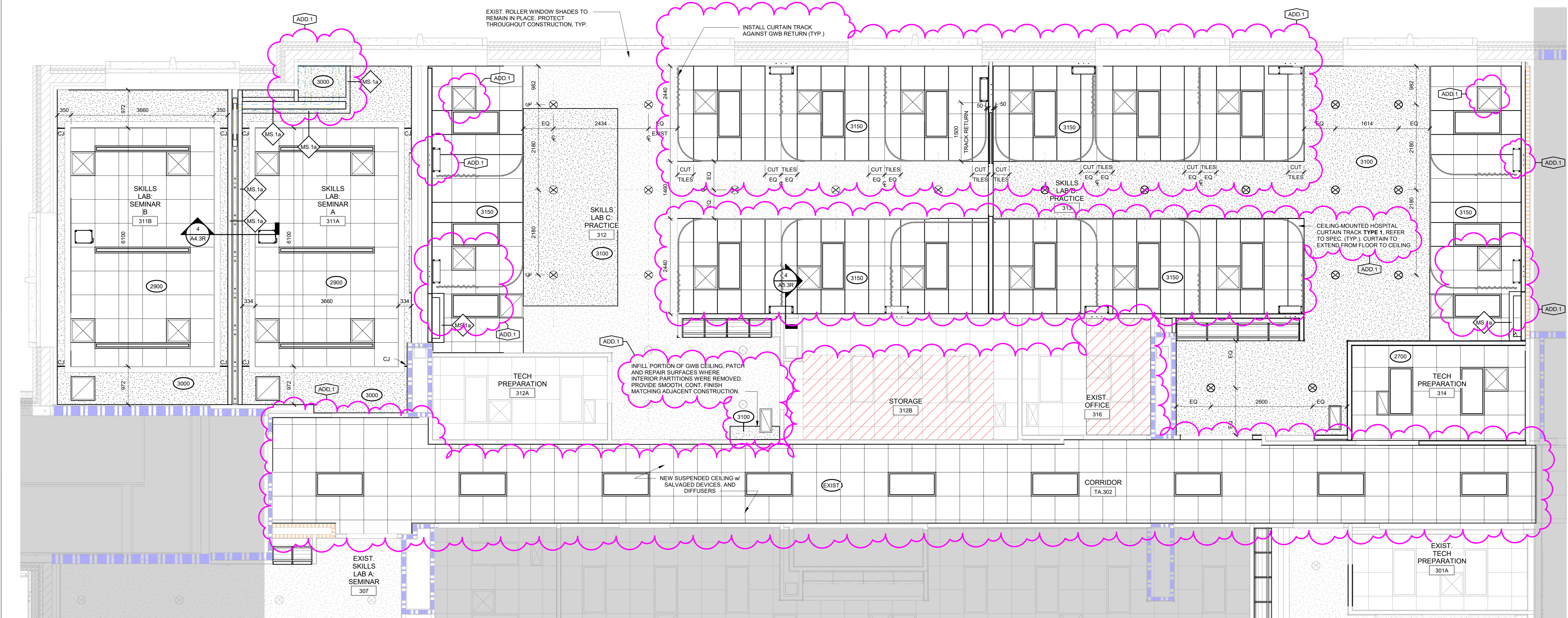
A4.2R



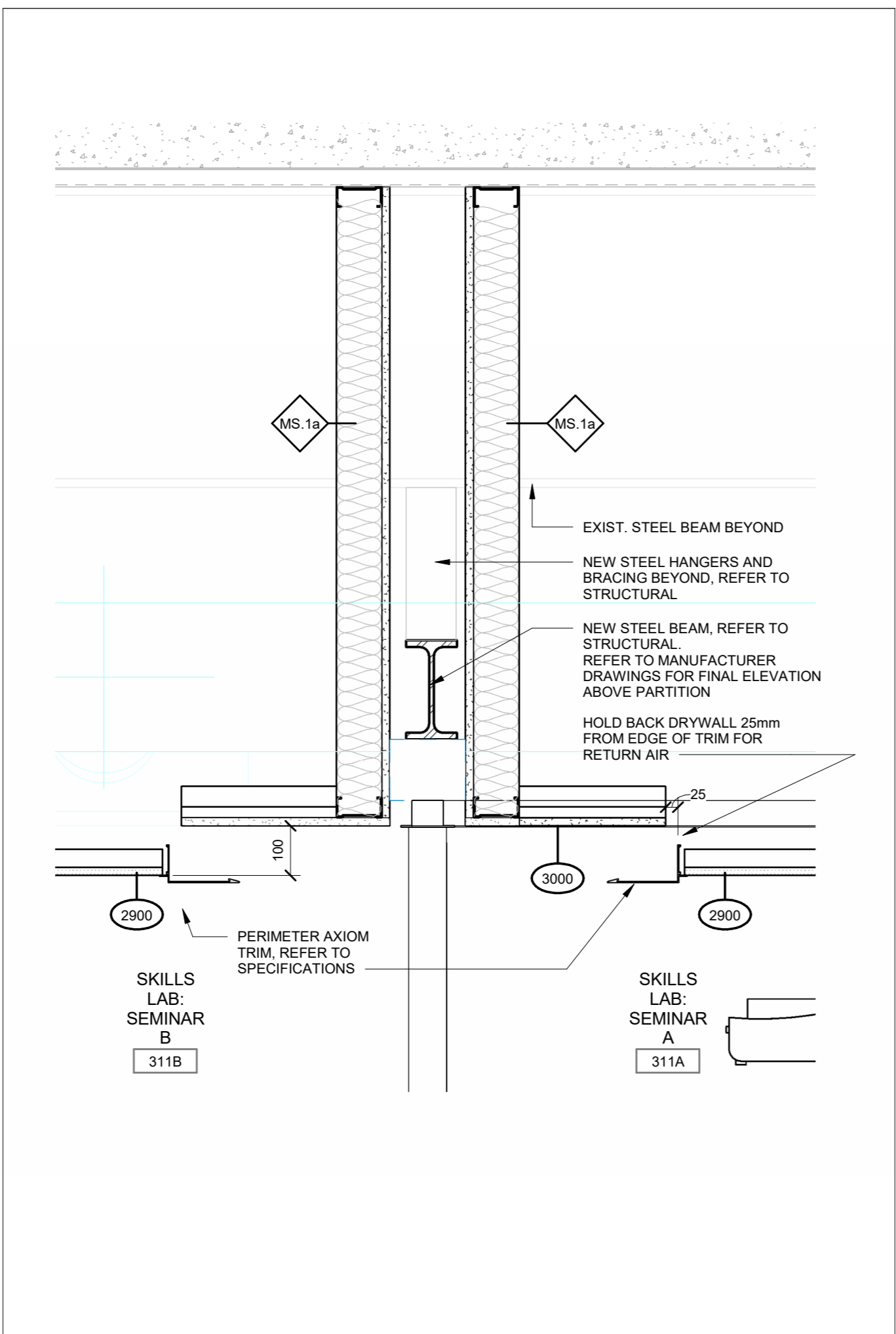
1 ENLARGED SECOND FLOOR RCP
A4.3R 0 0.5 1.25 2.5 m
1:50



3 RCP.S.2_BREAKOUT
A4.3R 0 100 200 500 mm
1:10



2 ENLARGED THIRD FLOOR RCP
A4.3R 0 0.5 1.25 2.5 m
1:50

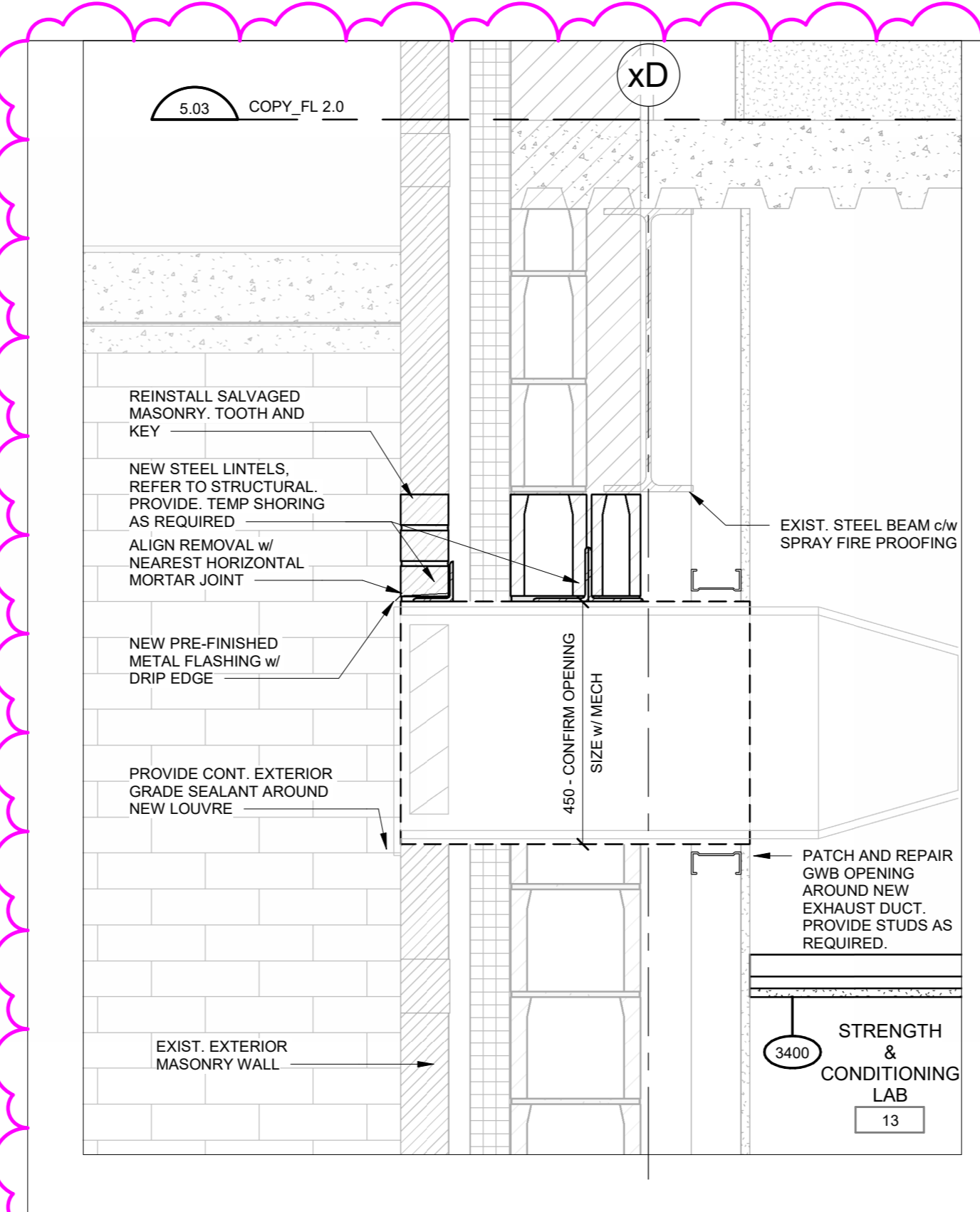


4 RCP.S.3_PARTITION
A4.3R 0 100 200 500 mm
1:10

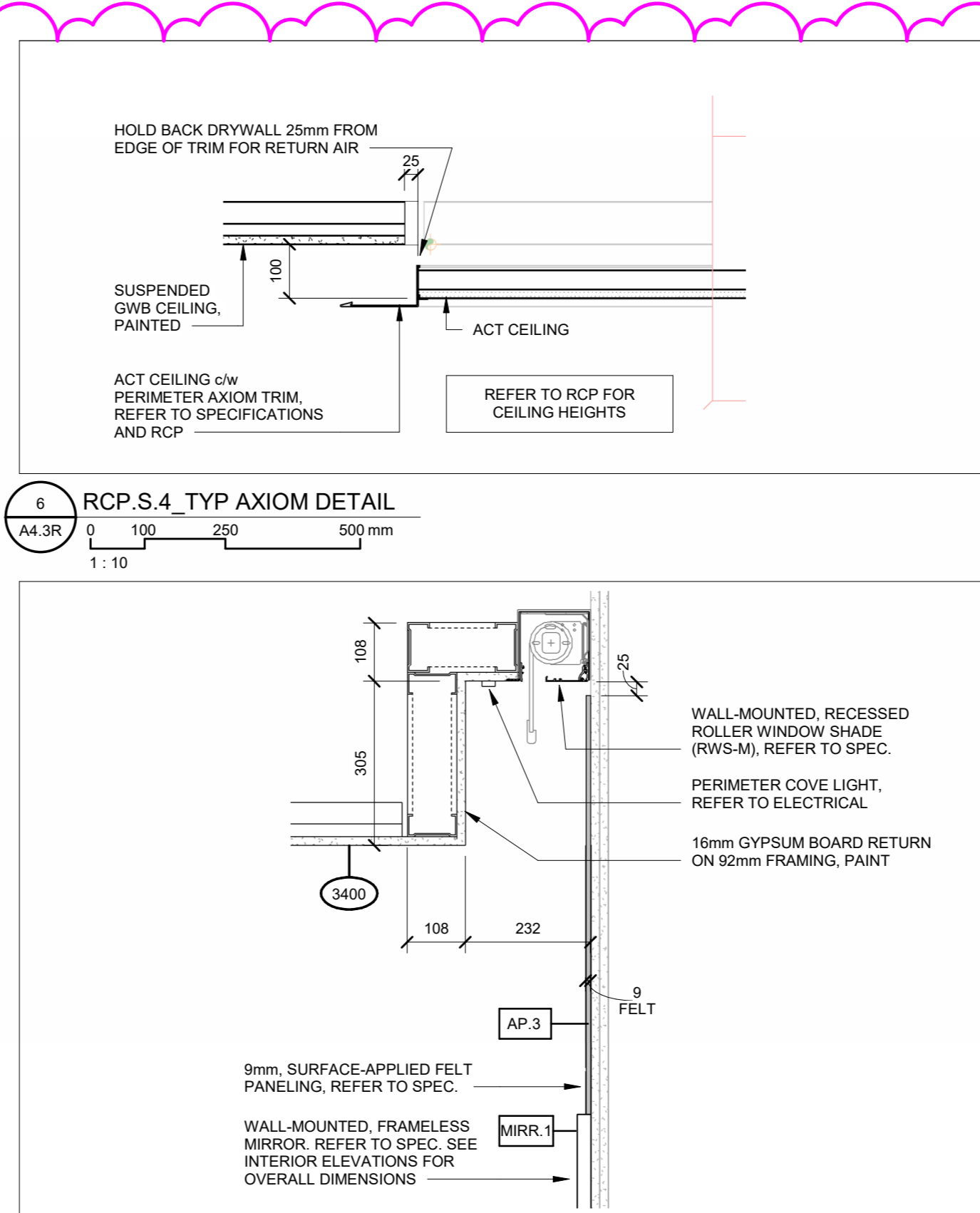
REFLECTED CEILING PLAN LEGEND

- NOTES:
1. READ REFLECTED CEILING PLANS IN CONJUNCTION WITH ROOM FINISH SCHEDULE, MECHANICAL DOCUMENTS AND ELECTRICAL DOCUMENTS.
2. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
3. LOCATIONS OF ITEMS SHOWN ON ARCHITECTURAL DRAWINGS SHALL COVER OVER OTHER REFERENCES.
4. PAINT THE TEGULAR EDGE OF ALL FIELD CUT EDGES OF CEILING TILE.
- ABBREVIATIONS:
RWS-M ROLLER WINDOW SHADE - MOTORIZED

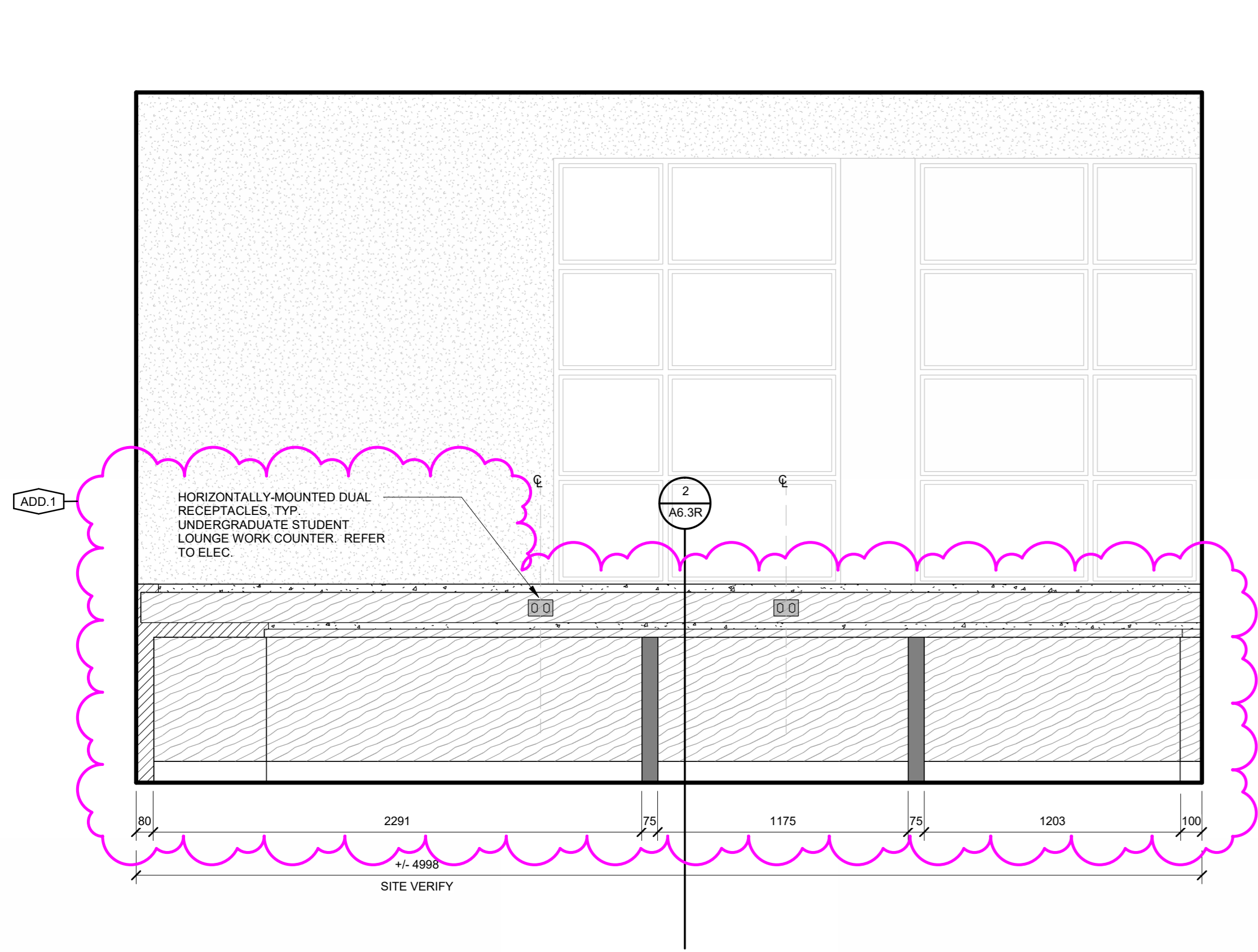
	RECESSED LIGHT FIXTURE (SEE ELECTRICAL)		EXIT SIGN (SEE ELECTRICAL)		CEILING HEIGHT		RECESSED SPRINKLER HEAD/ PENDANT SPRINKLER HEAD
	SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL)		SMOKE DETECTOR (SEE ELECT)		EXPOSED CEILING / SLOPED CEILING		610 x 610mm SUSPENDED ACOUSTIC CLO TILE
	RECESSED POT LIGHT FIXTURE (SEE ELECT)		EXHAUST GRILLE (SEE MECH)		PAINTED HORIZONTAL SHAFT WALL 2 HOUR RATING		REMOVE AND REINSTALL EXIST. ACT CEILING FOR NEW SERVICES
	SUSPENDED LIGHT FIXTURE (SEE ELECTRICAL)		SUPPLY / RETURN AIR DIFFUSER (SEE MECHANICAL)		UNDERSIDE OF JOIST		GYPSUM BOARD - PAINTED



5 RCP.S.5_LOUVRE
A4.3R 0 100 200 500 mm
1:10

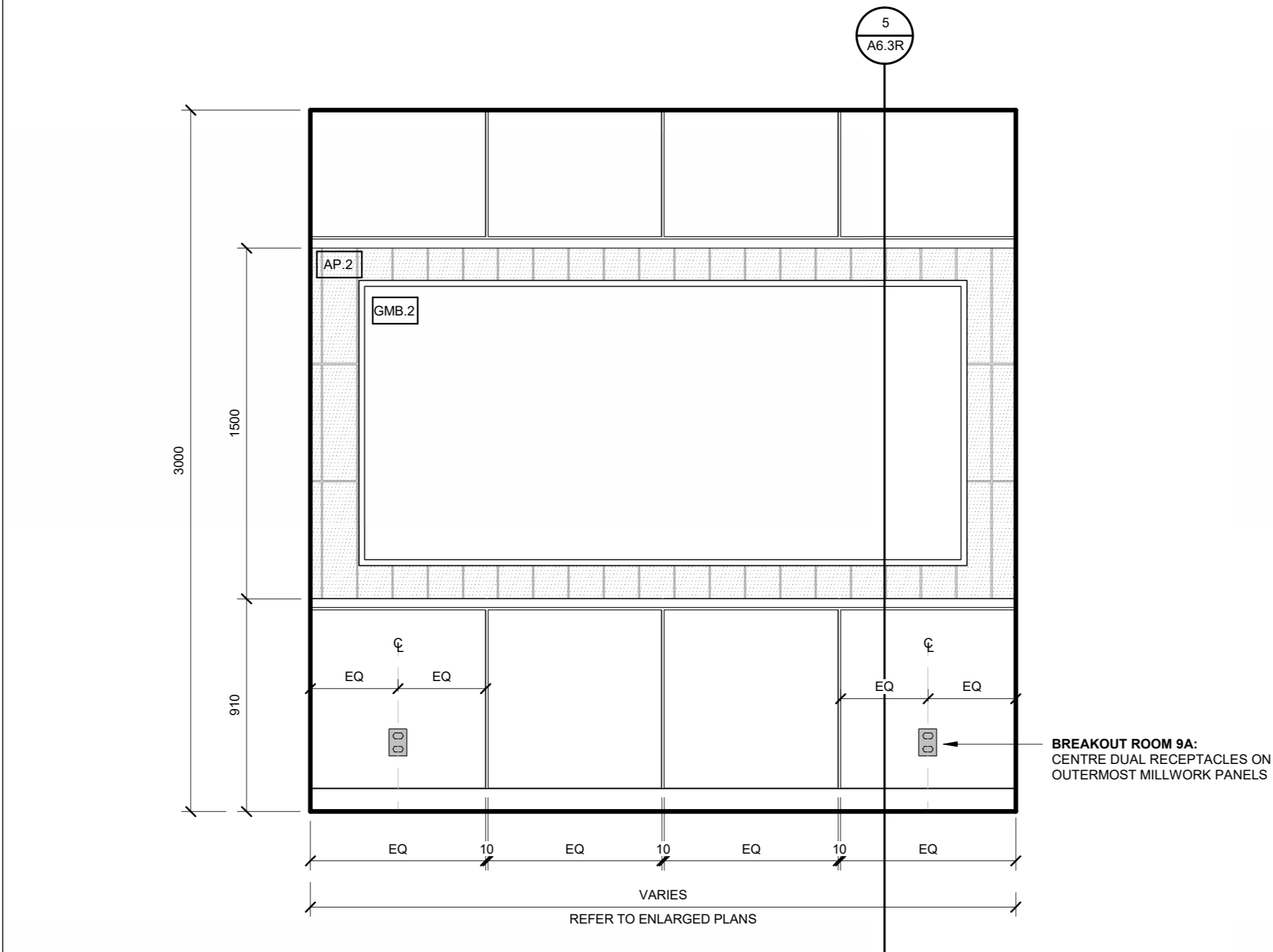


UNDERGRADUATE STUDENT LOUNGE
TABLE-HEIGHT COUNTER & WINDOW SILL



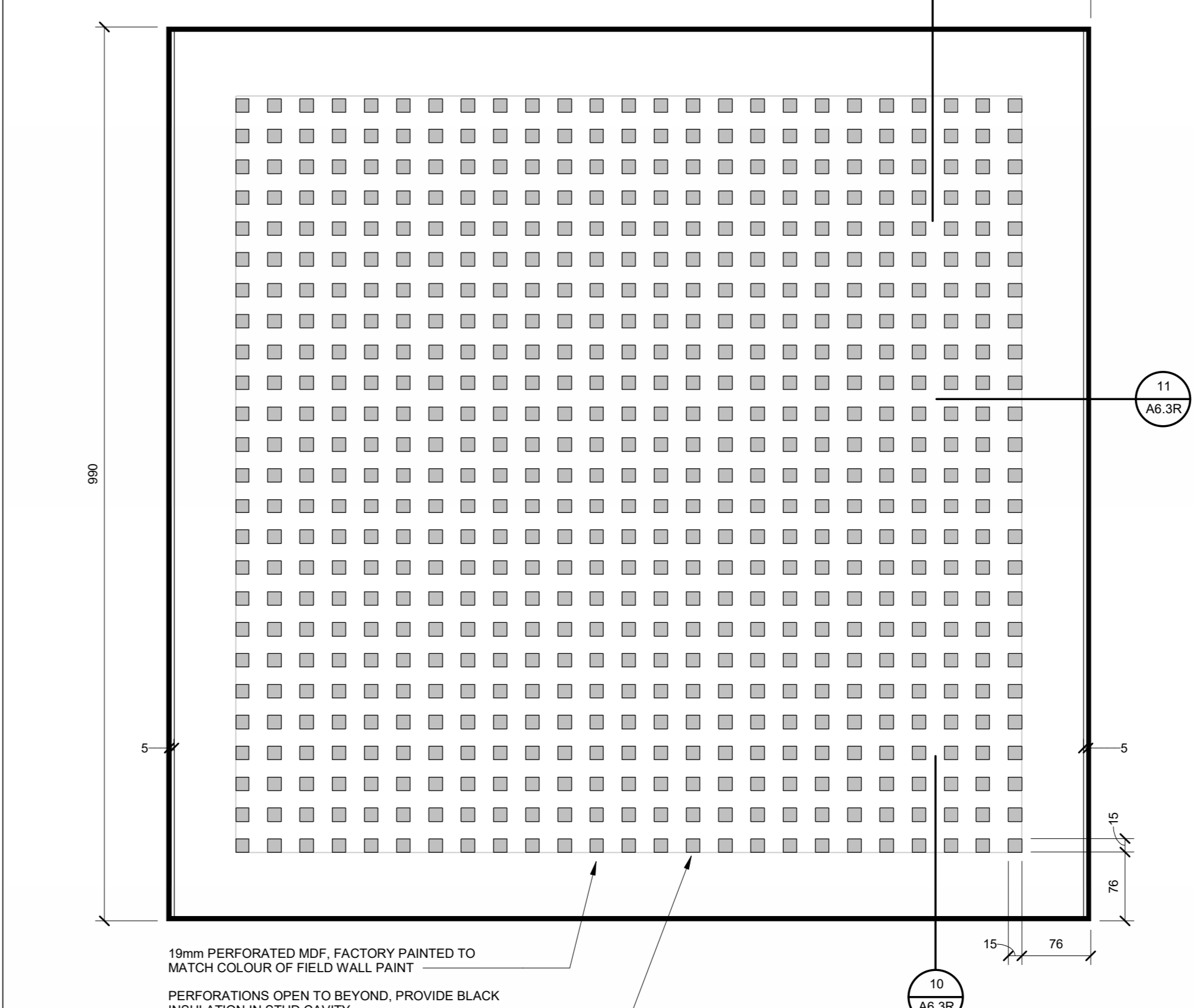
1 STUDENT LOUNGE 9, WORK COUNTER, ELEV.
A6.3R 0 200 500 1000 mm
1:20

BREAKOUT ROOMS
WHITEBOARD HEADWALL

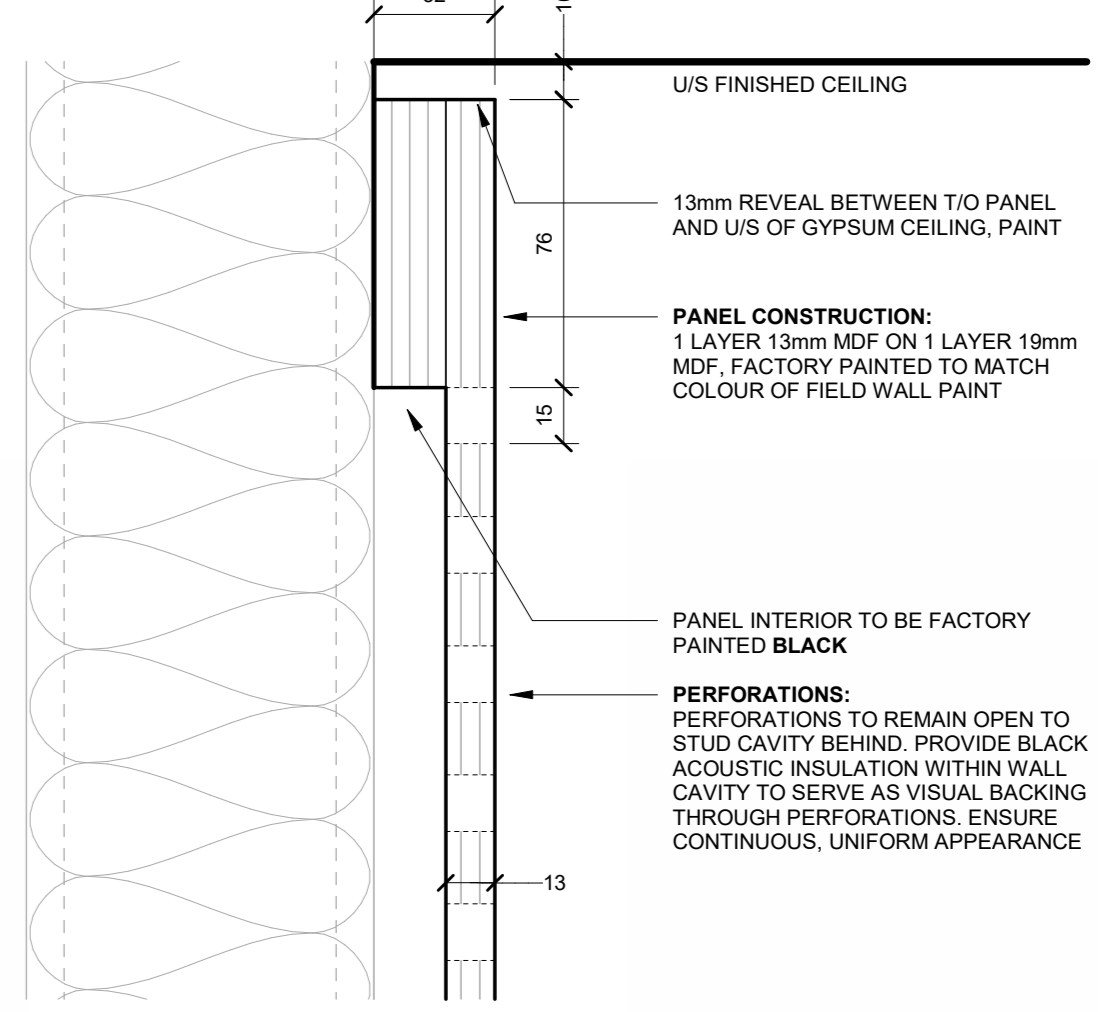


4 BREAKOUT ROOMS (TYP.), MARKERBOARD WALL, ELEV.
A6.3R 0 200 500 1000 mm
1:20

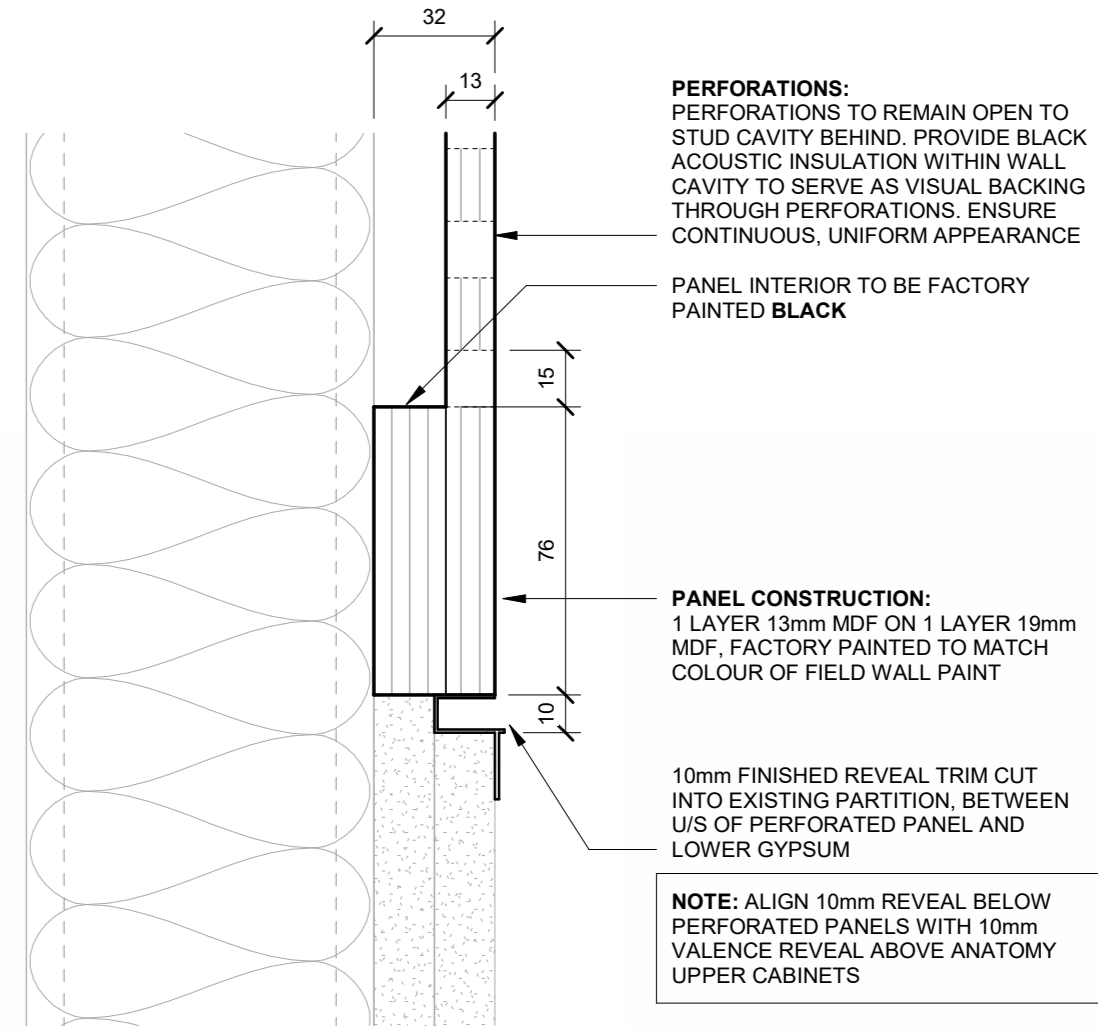
ANATOMY LAB
PERFORATED WALL PANEL



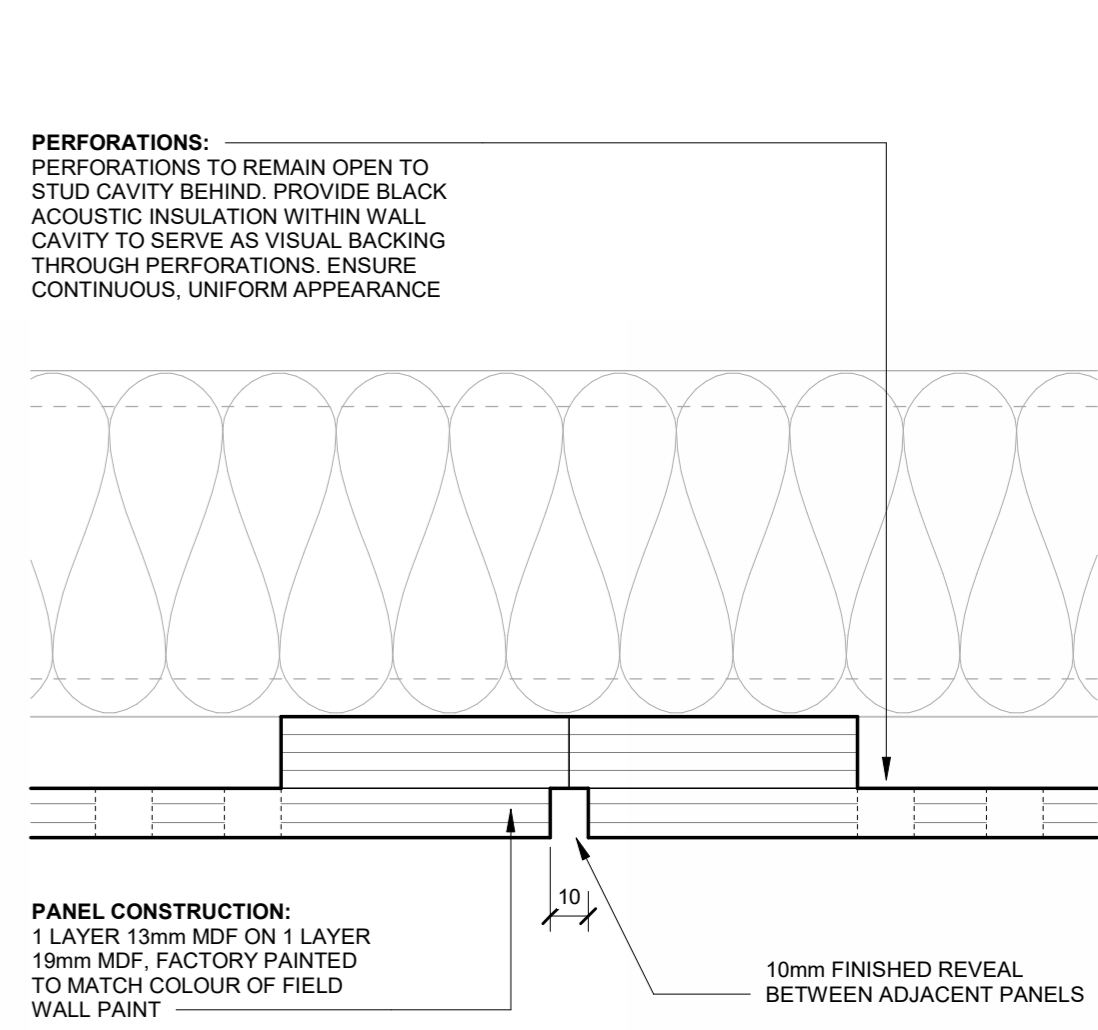
6 ANATOMY LAB 14, PERFORATED PANEL, ELEV.
A6.3R 0 50 100 200 mm
1:5



9 ANATOMY LAB, PERFORATED PANEL TOP
A6.3R 0 20 50 100 mm
1:2

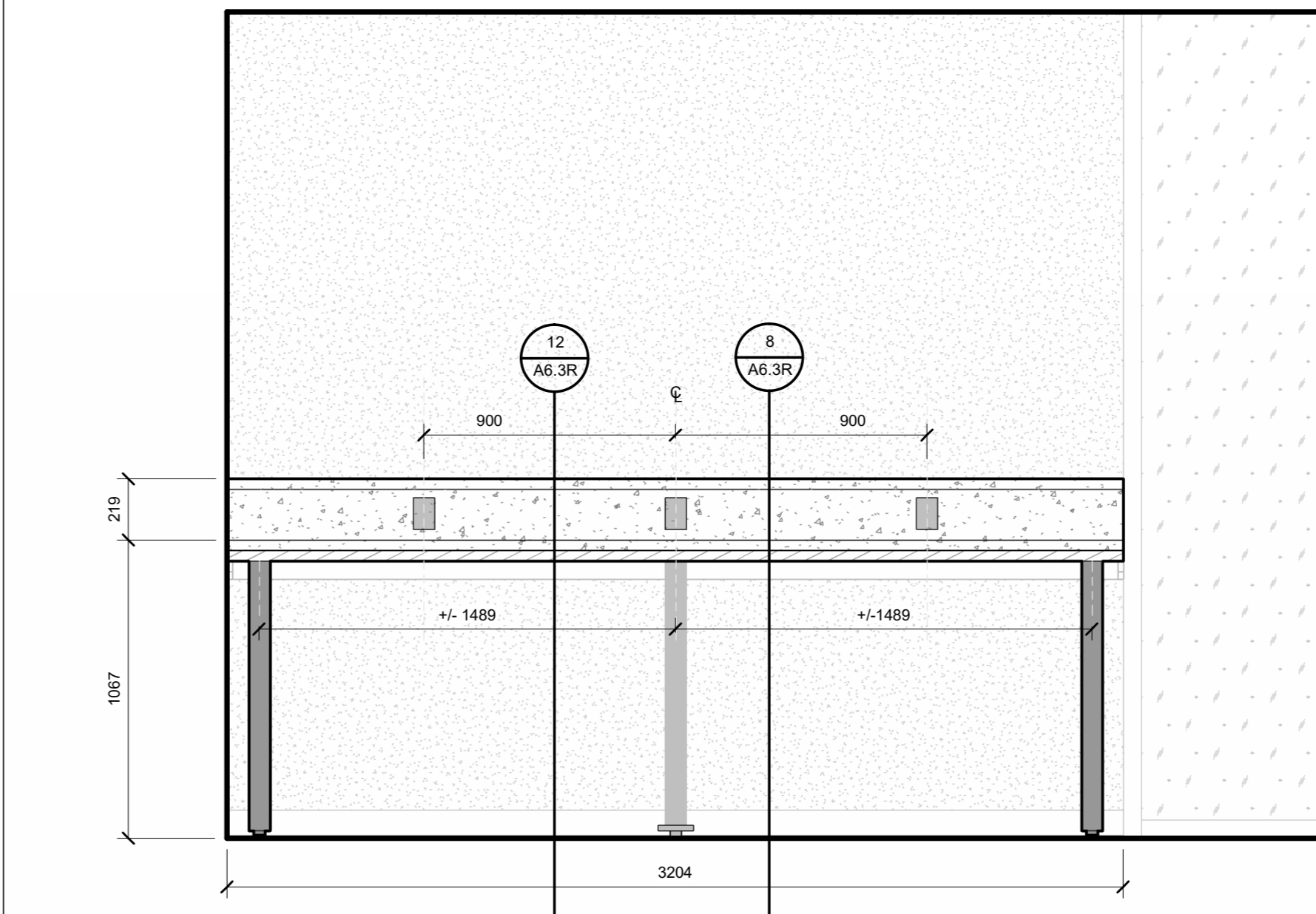


10 ANATOMY LAB, PERFORATED PANEL BOTTOM
A6.3R 0 20 50 100 mm
1:2

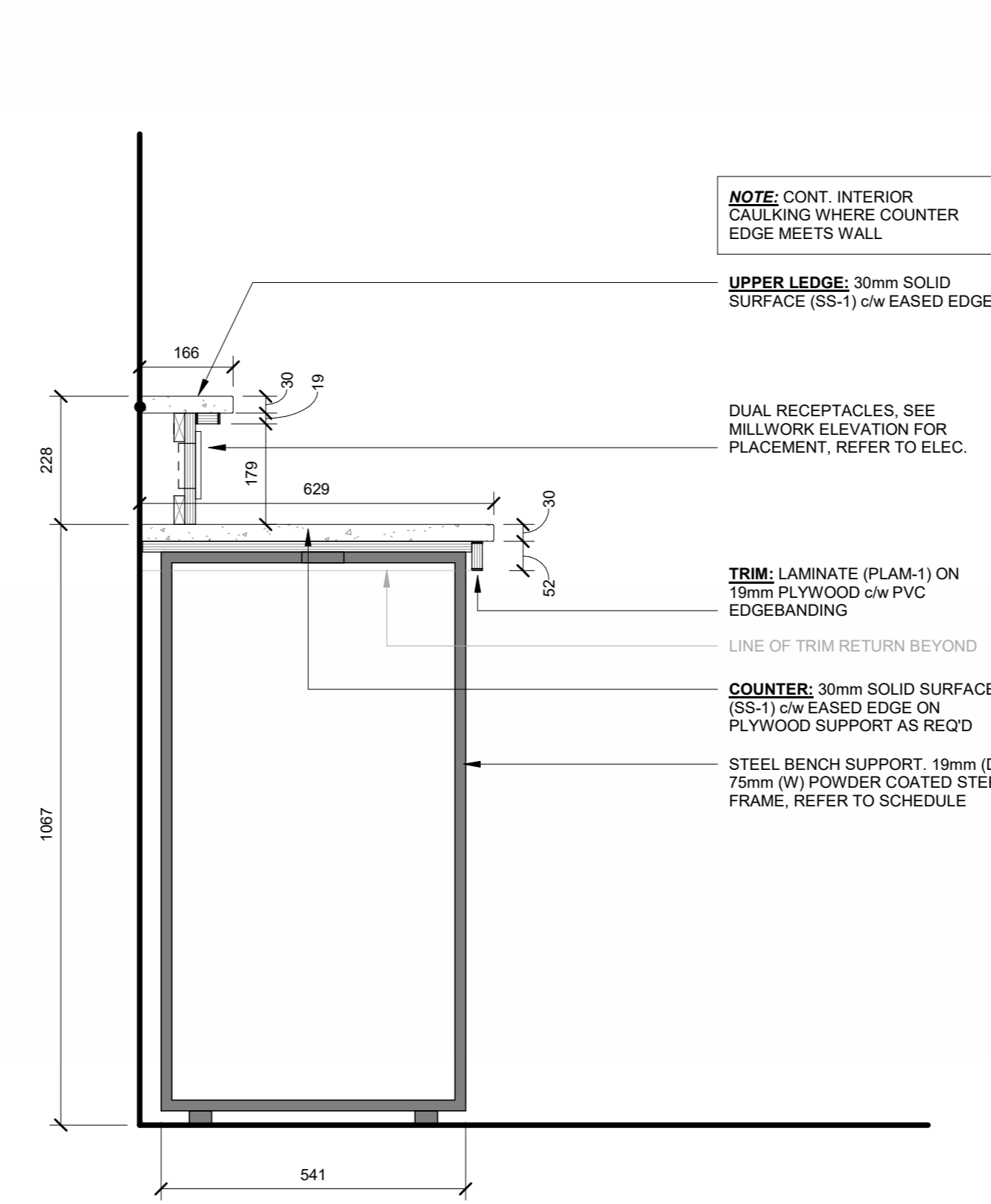


11 ANATOMY LAB, PERFORATED PANEL VERTICAL JOINT
A6.3R 0 20 50 100 mm
1:2

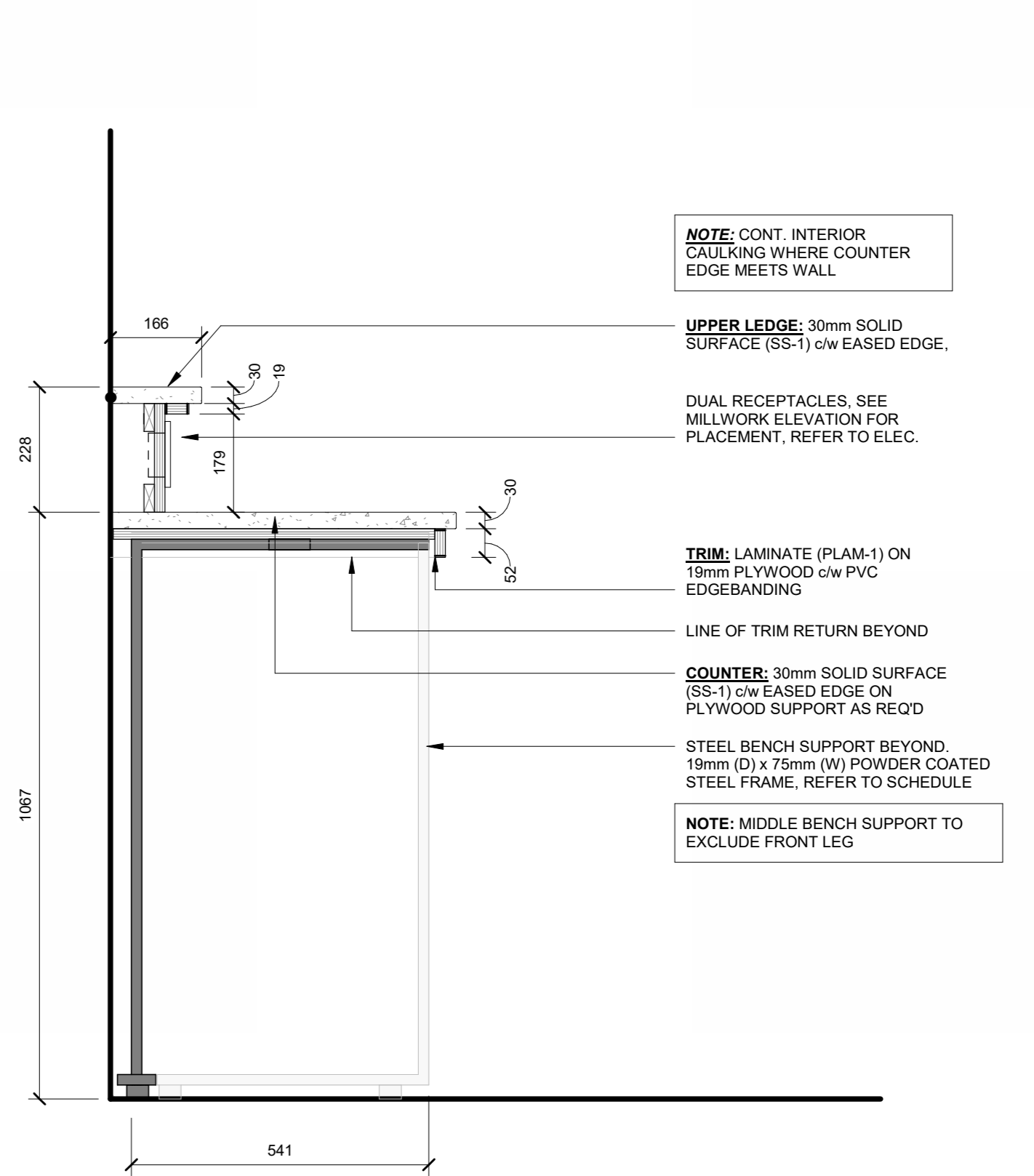
SECOND FLOOR CORRIDOR WORKSTATIONS
POWER-INTEGRATED, HIGH-TOP COUNTER



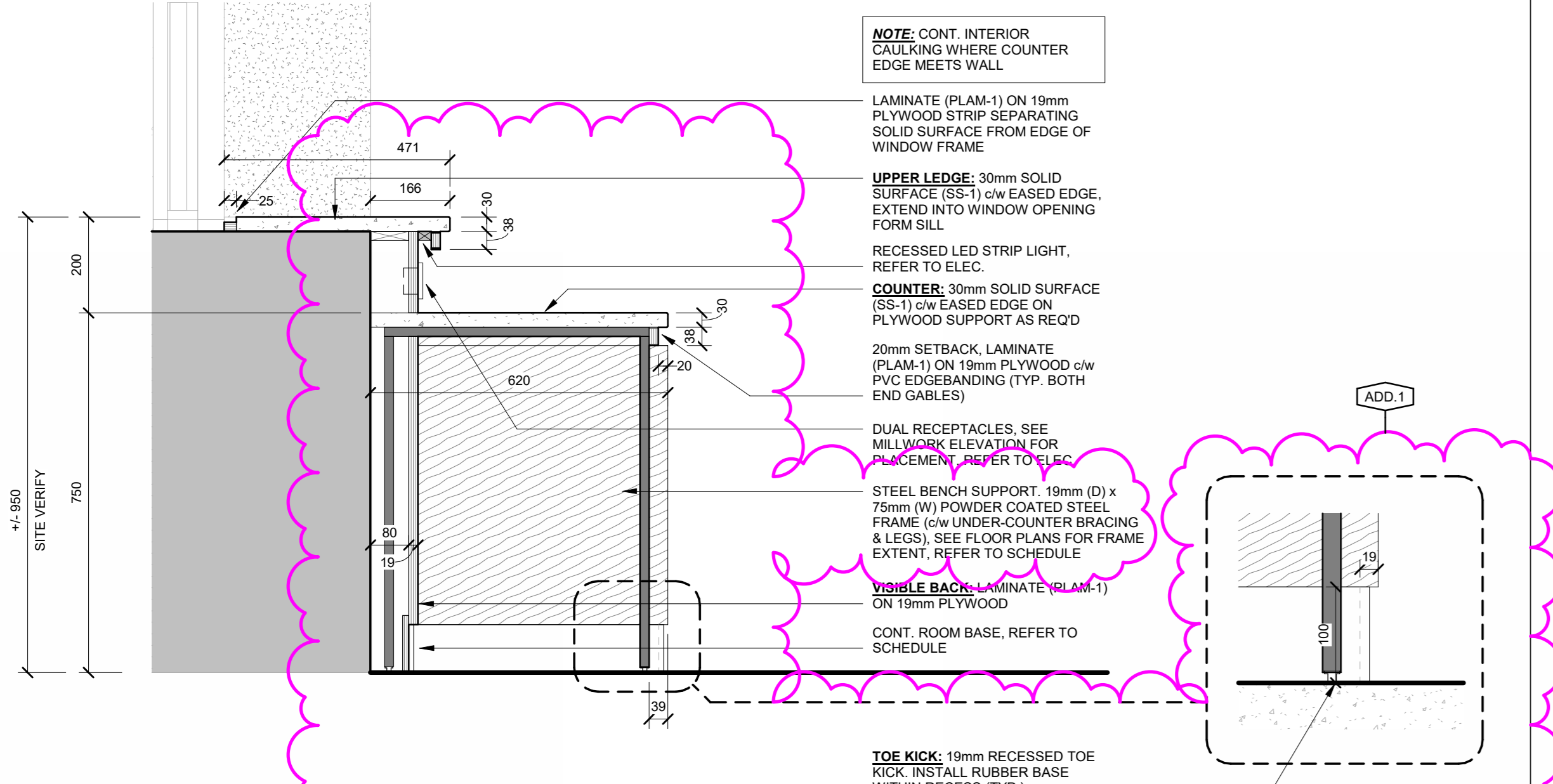
7 TA.209, HIGH-TOP WORKSTATION, ELEV.
A6.3R 0 200 500 1000 mm
1:20



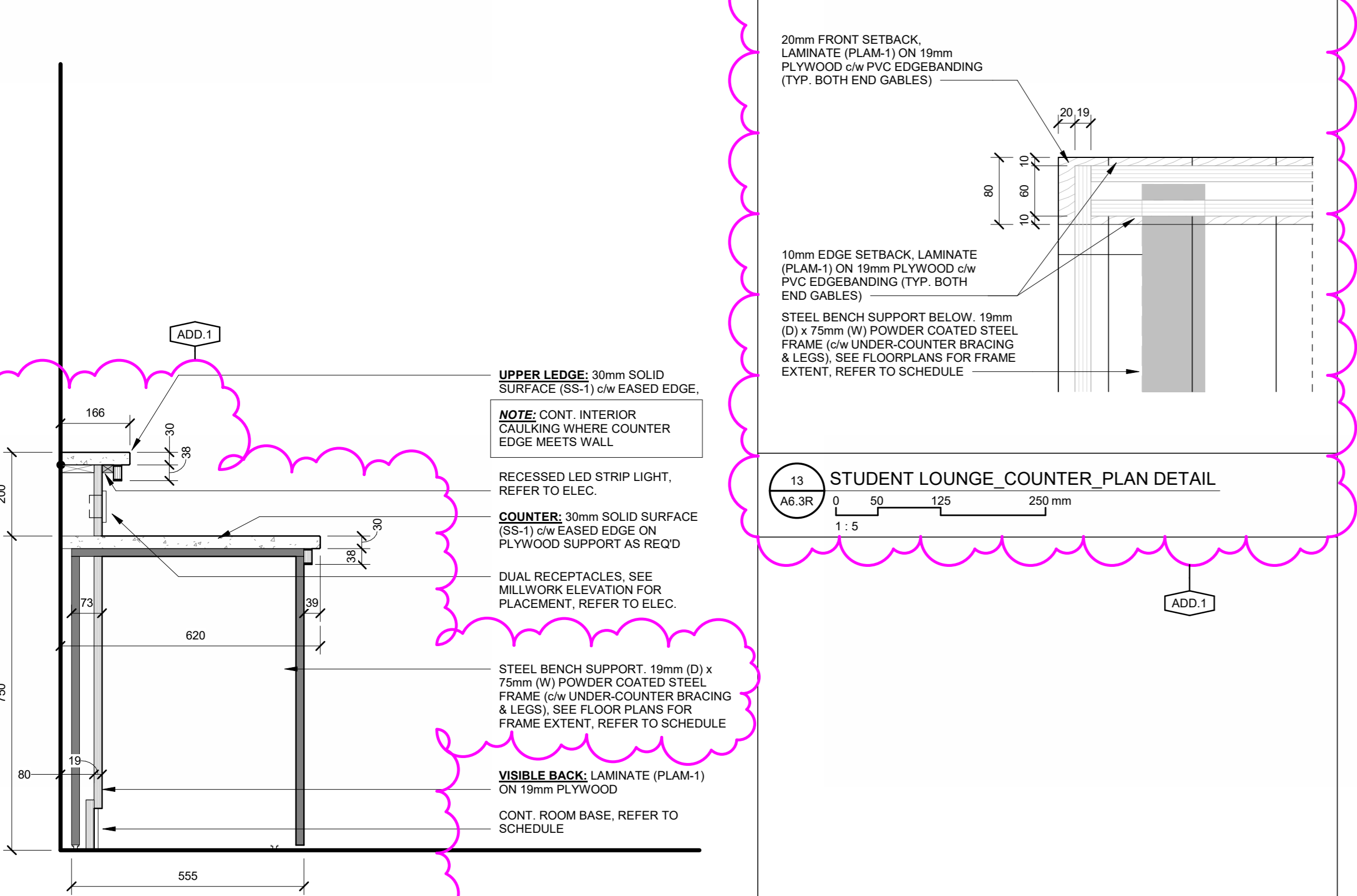
8 TA.209, COUNTER
A6.3R 0 100 200 500 mm
1:10



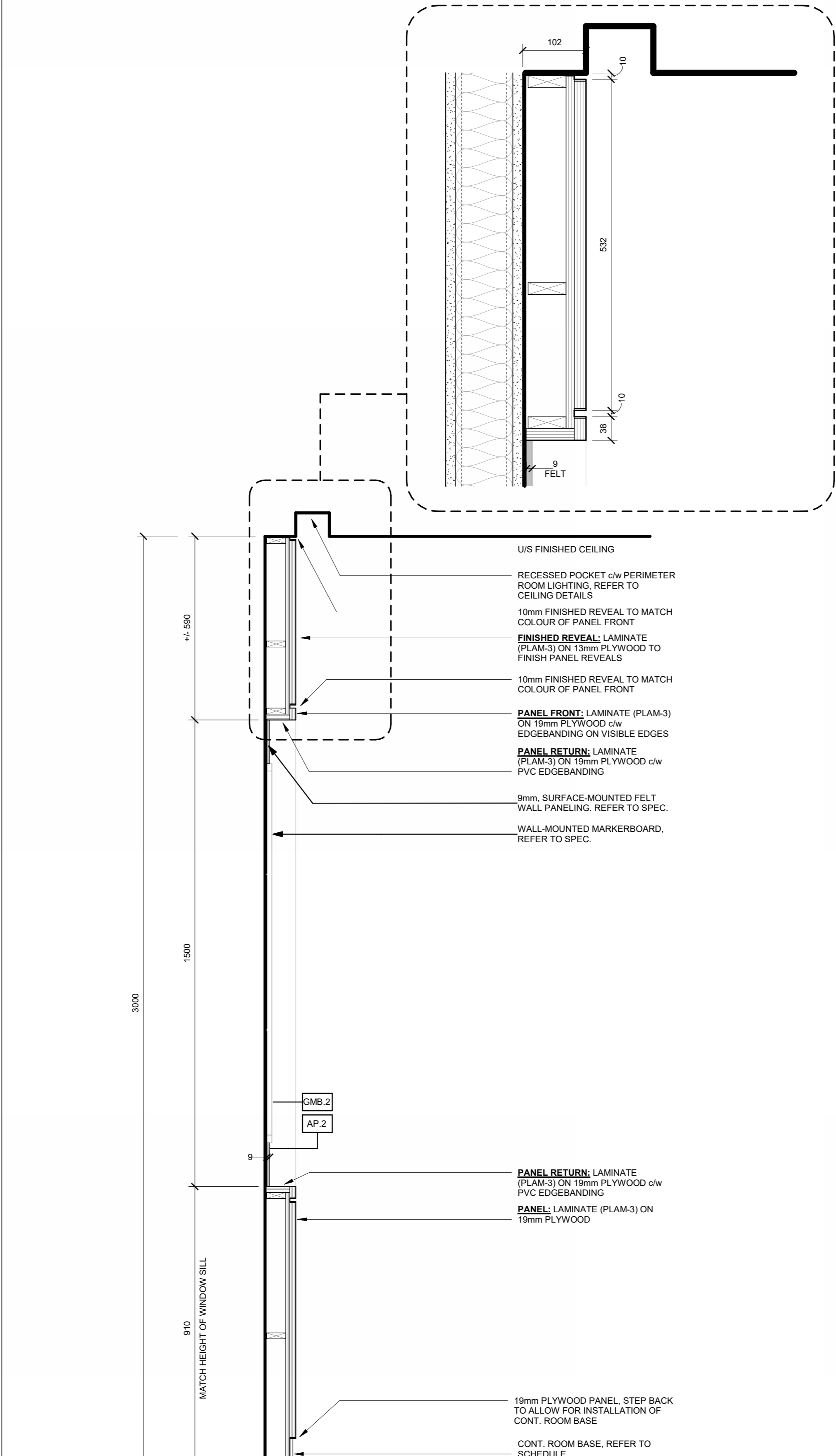
12 TA.209, COUNTER
A6.3R 0 100 200 500 mm
1:10



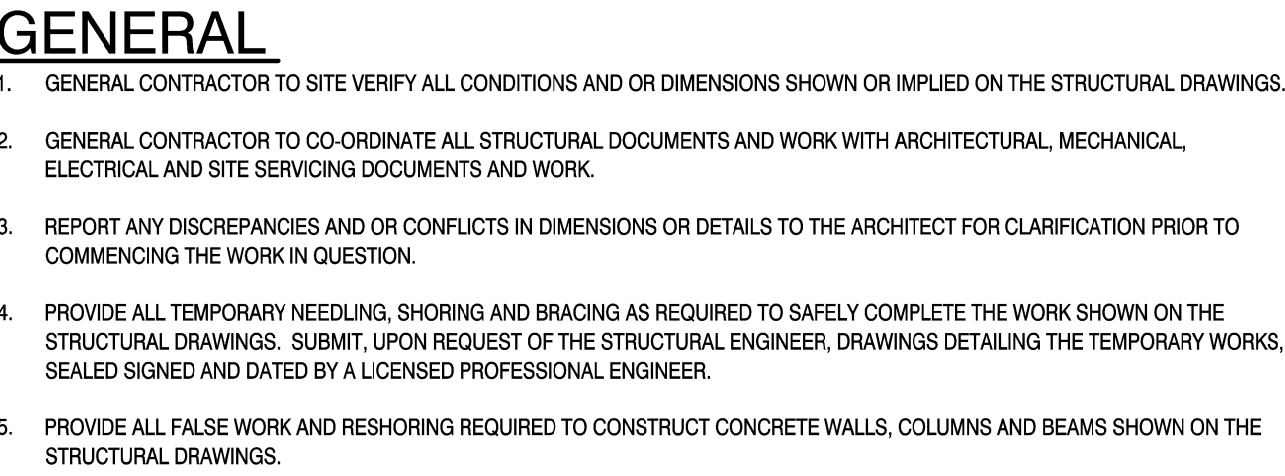
2 STUDENT LOUNGE, COUNTER @ WINDOW
A6.3R 0 100 200 500 mm
1:10



3 STUDENT LOUNGE, COUNTER
A6.3R 0 100 200 500 mm
1:10



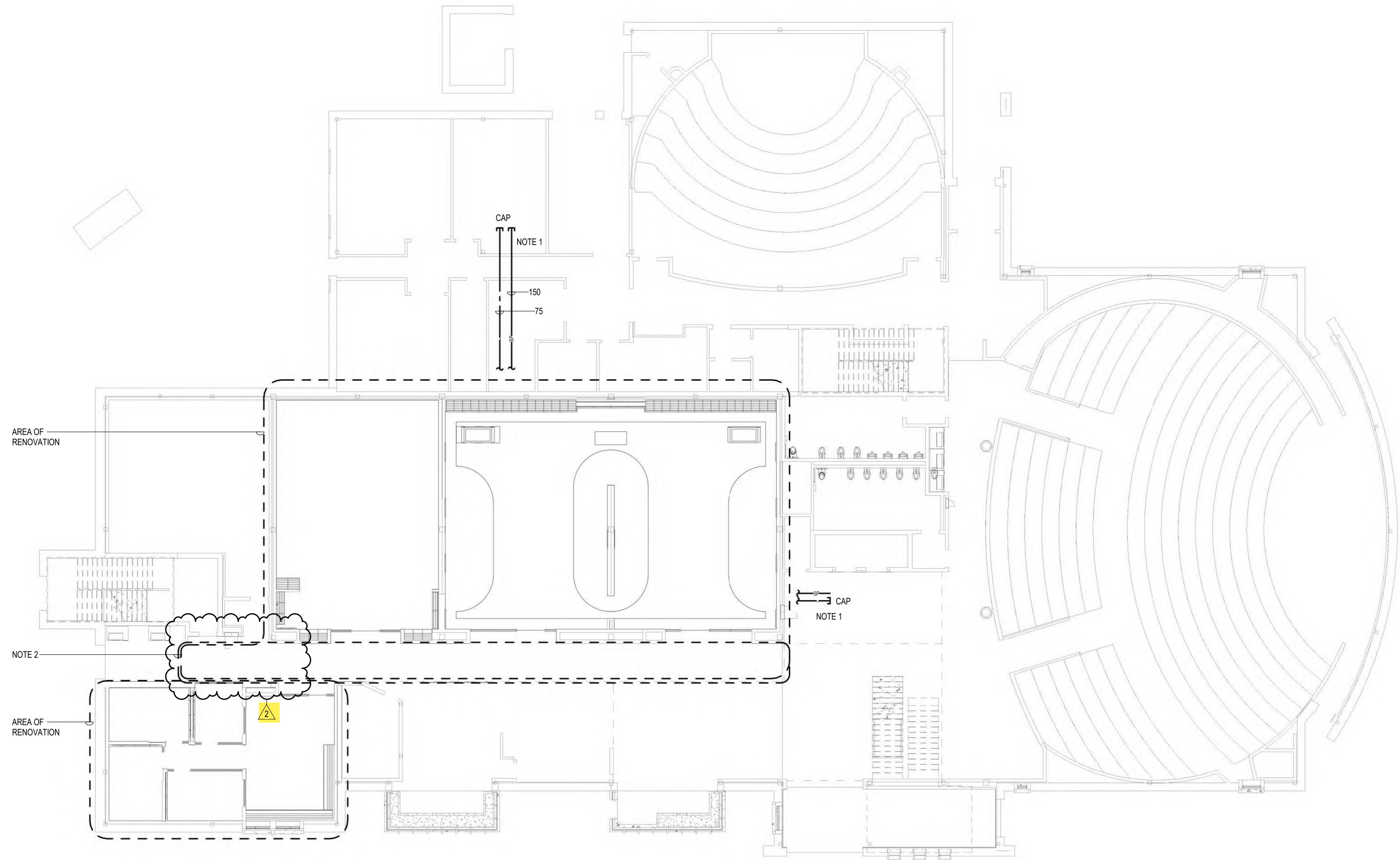
5 BREAKOUT ROOMS (TYP.), MARKERBOARD WALL
A6.3R 0 100 200 500 mm
1:10



SHAPE	STANDARD	GRADE	MIN. YIELD STRENGTH
CANADIAN WWF & W	GSA G40.21	350W	50 Ksi
HOLLOW STRUCTURAL SECTION CLASS H UNLESS NOTED AS CLASS C	GSA G40.21	350W	50 Ksi
PLATES, CHANNELS, ANGLES	GSA G40.21	300W	50 Ksi
WWF & W NOT ROLLED IN CANADA	ASTM A572	50	50 Ksi

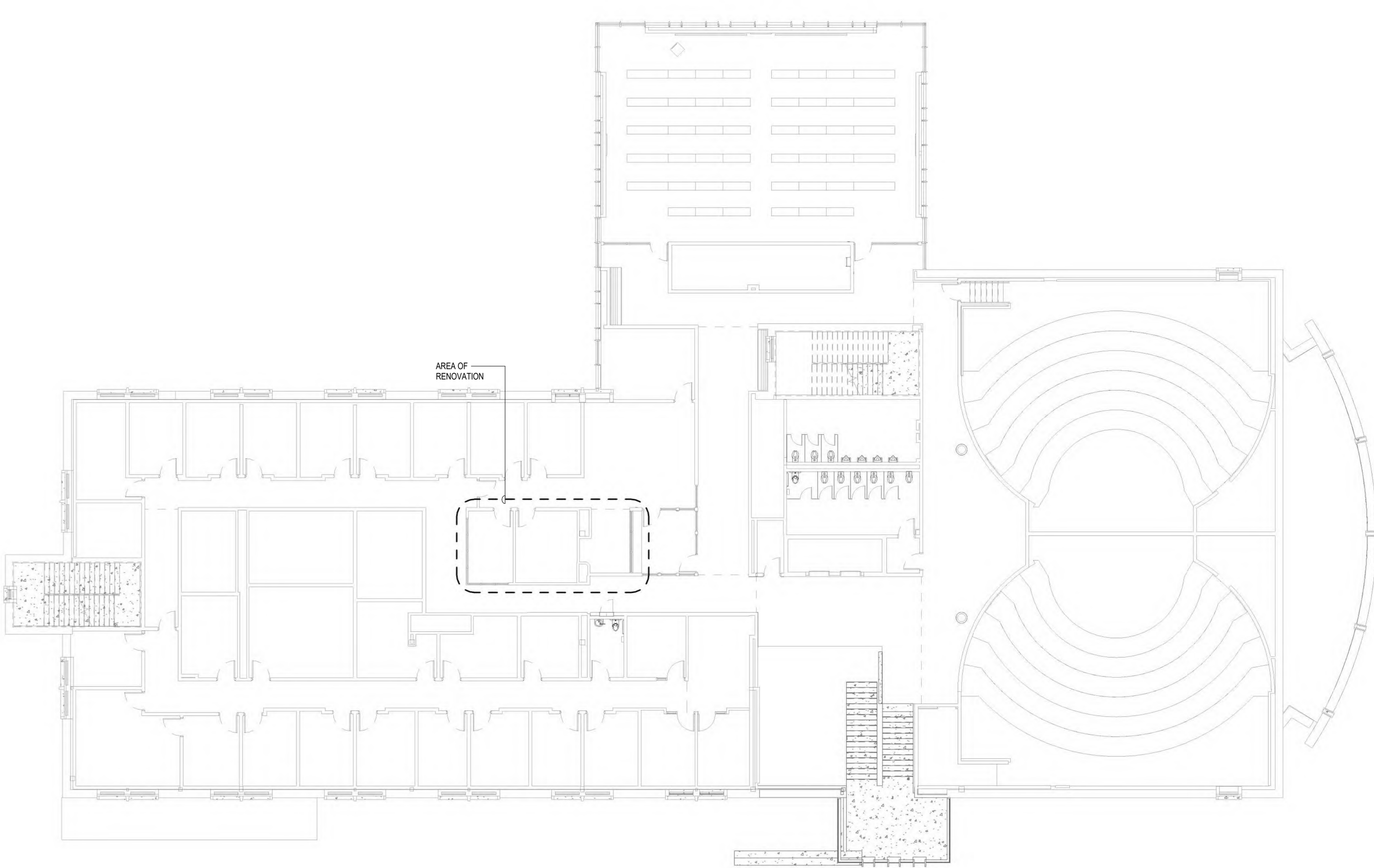
- ALL WELDING SHALL BE DONE BY AN ORGANIZATION FULLY APPROVED BY THE CANADIAN WELDING BUREAU UNDER CSA-W47 (CURRENT) IN DIVISION 1 OR 2 AT THE TIME OF TENDERING. WELDERS TO BE CWB CERTIFIED TO THE COMPANIES STANDARDS WELDING AND WELDING MATERIALS SHALL CONFORM TO CSA-W59 (CURRENT).
- THE FABRICATOR SHALL NOTE THE SIZE AND TYPE OF BOLTS AND WELDS USED IN STRUCTURAL CONNECTIONS ON THE SHOP DRAWINGS.
- ALL STRUCTURAL STEEL SHALL BE SUFFICIENTLY STRAIGHT THAT VARIATIONS CANNOT BE DETERMINED WITH THE UNAIDED EYE. ALL STRUCTURAL STEEL SHALL BE THOROUGHLY CLEANED OF ALL LOOSE MILL SCALE, DIRT, OIL, OR OTHER FOREIGN

BEARING PLATE SCHEDULE		
MARK	PLATE SIZE	REMARKS
BP1	2190x190x16 w/ 1-16mm # x 300lg ANCHOR. GROUT BLOCK 400x400 AT BEARING PLATE	



OVERALL FIRST FLOOR PLAN
SCALE 1:150

- NOTES:
1. LEAVE PIPES CAPPED FOR FUTURE.
 2. WORK IN THIS AREA TO BE INCLUDED AS PART OF SEPARATE PRICE. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 3. WORK ON LEVEL 1 TO BE INCLUDED AS PART OF ITEMIZED PRICE #1. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.



OVERALL SECOND FLOOR PLAN
SCALE 1:150

- NOTES:
1. WORK ON LEVEL 2 TO BE INCLUDED AS PART OF ITEMIZED PRICE #1. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.



OVERALL THIRD FLOOR PLAN
SCALE 1:150

- NOTES:
1. WORK ON LEVEL 3 TO BE INCLUDED AS PART OF ITEMIZED PRICE #2. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.



DO NOT SCALE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AGAINST THE DRAWING. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK. THE CONSULTANT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DOCUMENT. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK. THE CONSULTANT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DOCUMENT. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK. THE CONSULTANT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DOCUMENT.

CHORLEY + BISSET CONSULTING ENGINEERS

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TORONTO, ONT. M5G 1G7
CANADA

2025-05-26
2493-9549

ISSUED FOR TENDER

078 AUDITORIUM NO.1

WU LHSB RENOVATION

1151 Richmond St. London

WESTERN UNIVERSITY

Project No: 10500.2

Drawn By: NNT

Rev Date: 05/25/26

WU LHSB RENOVATION

1151 Richmond St. London

WESTERN UNIVERSITY

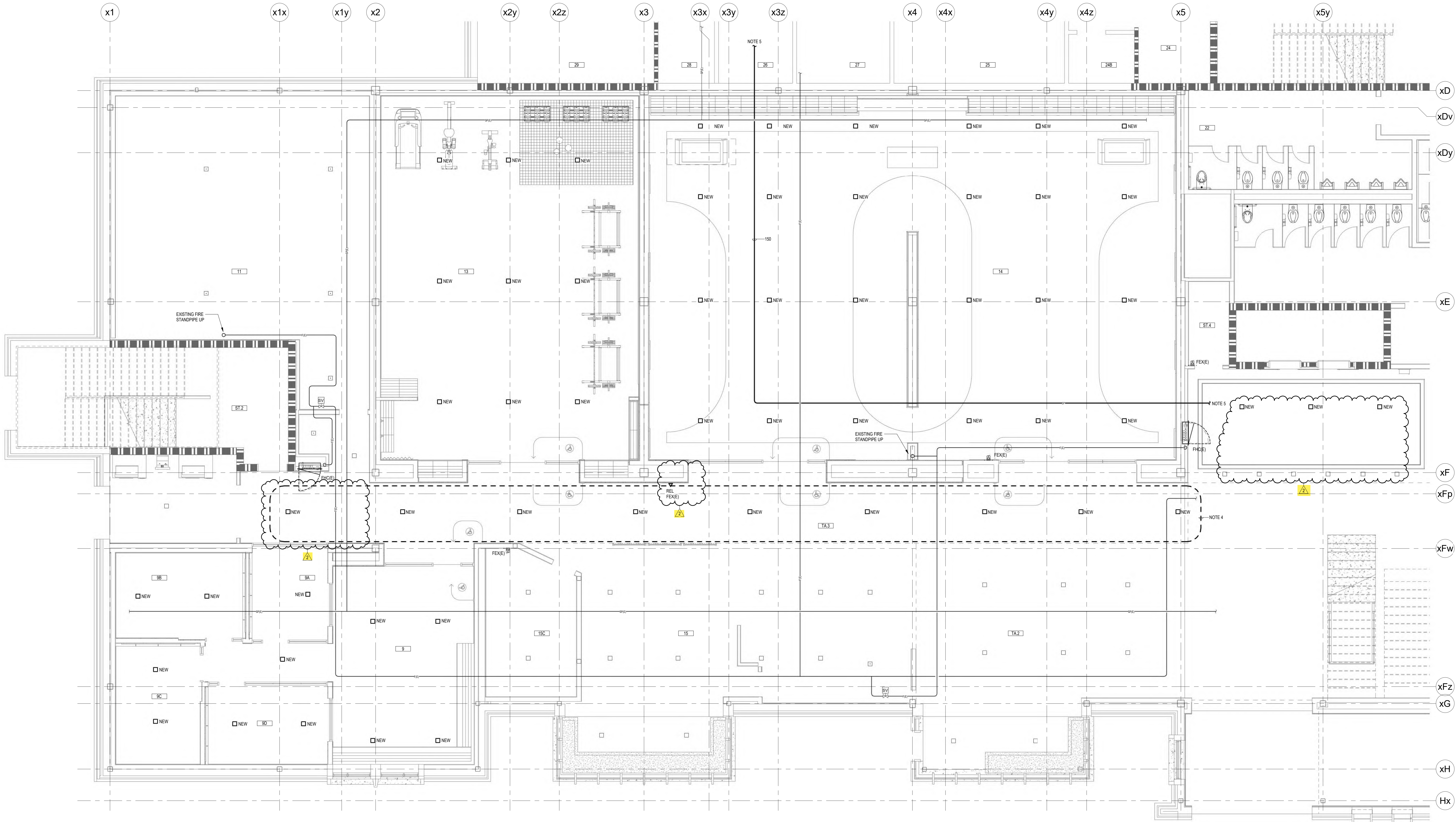
Project No: 10500.2

Drawn By: NNT

Rev Date: 05/25/26

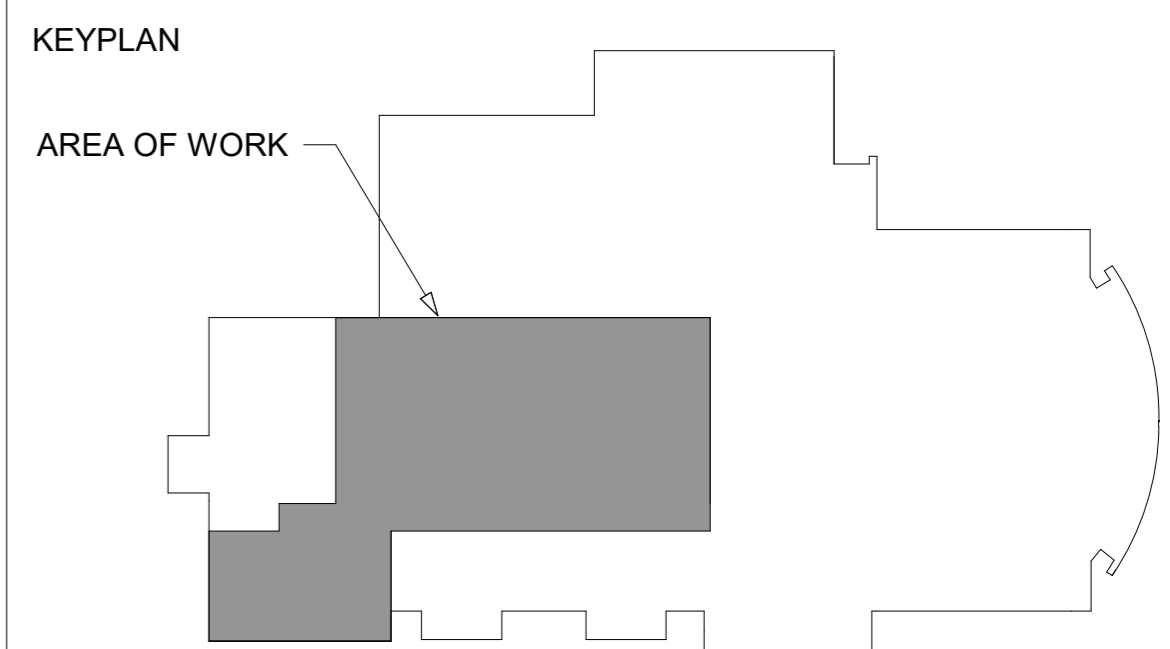
OVERALL FLOOR PLANS

M1.2



ENLARGED GROUND FLOOR PLAN - FIRE PROTECTION
SCALE 1:50

- NOTES:
1. PROVIDE NEW SPRINKLER HEADS TO COMPLETELY PROTECT ALL AREAS OF THE RENOVATED SPACE AS SHOWN IN ACCORDANCE WITH NFPA 13 AND OBC. REWORK SPRINKLER BRANCH PIPING AS REQUIRED TO SUIT NEW SPRINKLER HEAD LOCATIONS IN NEW CEILING.
 2. CAREFULLY COORDINATE ALL CEILING COMPONENTS BETWEEN MECHANICAL, ELECTRICAL AND ARCHITECTURAL DRAWINGS.
 3. PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW 1200mm AND WIDER DUCTWORK.
 4. WORK IN THIS AREA TO BE INCLUDED AS PART OF SEPARATE PRICE. REFER TO ARCHITECTURAL DRAWING AND SPECIFICATIONS.
 5. SEE OVERALL PLAN ON M1.2 FOR CONTINUATION.



1151 Richmond St. London

Project No. 10500.2

Drawn By: NNT

Rev Date: 06/26/26

WU LHSB RENOVATION

ENLARGED GROUND FLOOR PLAN - FIRE PROTECTION

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UNIVERSITY
CANADA

Chorley + Bisset
CONSULTING ENGINEERS

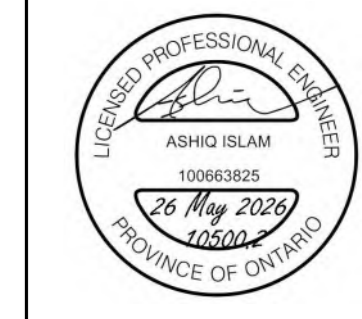
201 QUEENS AVE UNIT 800
LONDON ON N6A 1J1
CANADA
2025-05-26
2493-5649

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O/S ADDENDUM NO. 1

DO NOT SCALE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AGAINST THE DIMENSIONS OF THE PROJECT. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK. THE CONSULTANT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED IN THIS DOCUMENT. THE CONSULTANT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY OTHERS. THE CONSULTANT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY OTHERS. THE CONSULTANT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY OTHERS.

M2.2



DO NOT SCALE. ALL DIMENSIONS AND LOCATIONS ARE TO BE CHECKED BY GENERAL TRADES. REFER TO ARCHITECTURAL DRAWINGS FOR HEADWALL ARRANGEMENTS AND OUTLET QUANTITIES. MECHANICAL TRADE TO CONNECT MEDICAL GAS OUTLETS TO LABORATORY VACUUM SYSTEM AND OXYGEN AND MEDICAL AIR OUTLETS TO COMPRESSED AIR SYSTEM. MEDICAL GAS CERTIFICATION AND/OR TESTING IS NOT APPROPRIATE OR REQUIRED. HEADWALLS WILL BE LABELED BY GENERAL TRADES TO INDICATE THAT OUTLETS ARE NOT TO BE USED FOR MEDICAL PURPOSES BUT ARE FOR TRAINING PURPOSES ONLY. THIS ARRANGEMENT WILL MATCH OTHER HEADWALL INSTALLATIONS IN THE BUILDING.

1. COMPRESSED AIR SYSTEM TO BE INSPECTED AND TESTED BY TSSA. SEE SPECIFICATIONS FOR DETAILS.

2. DASHED SANITARY PIPING IS BELOW FLOOR.

3. DASHED SANITARY PIPING IS BELOW FLOOR.



WU LHSB RENOVATION

1151 Richmond St. London

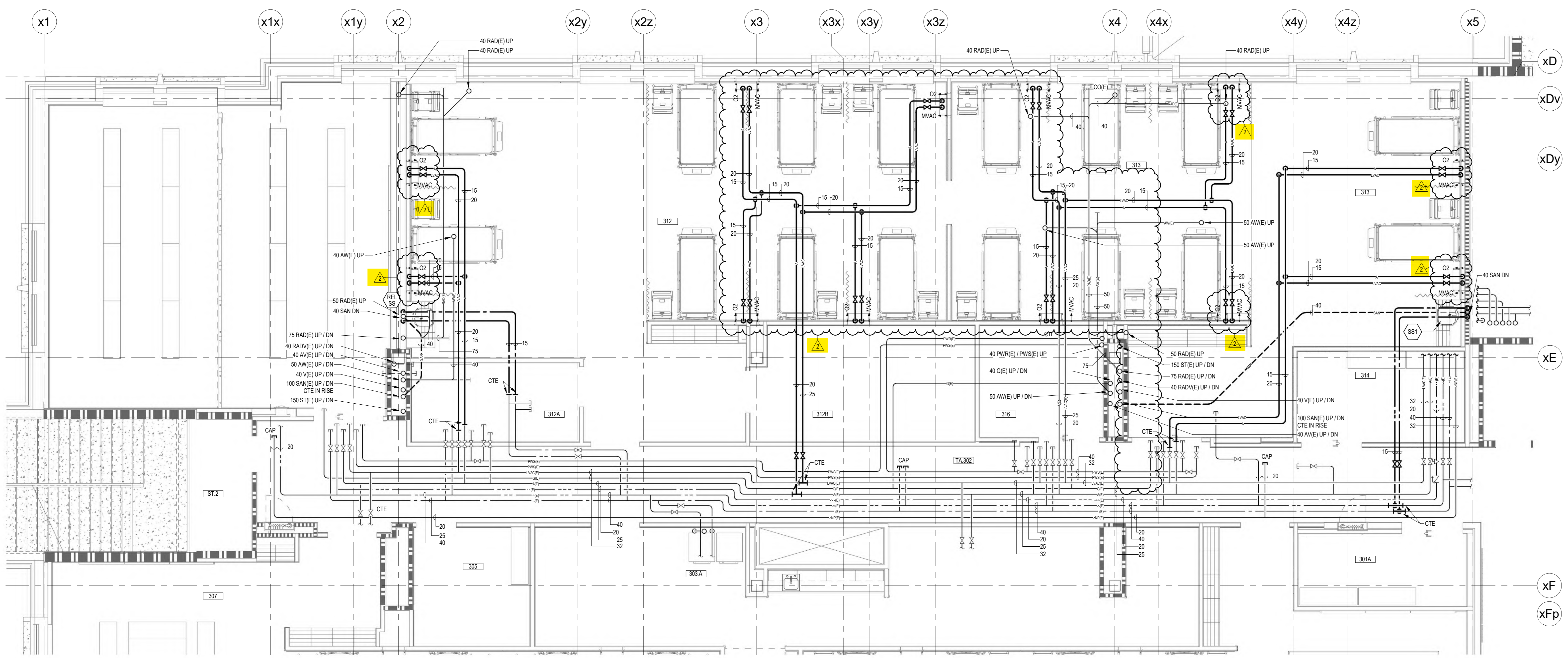
ENLARGED THIRD FLOOR PLANS - PLUMBING & FIRE PROTECTION

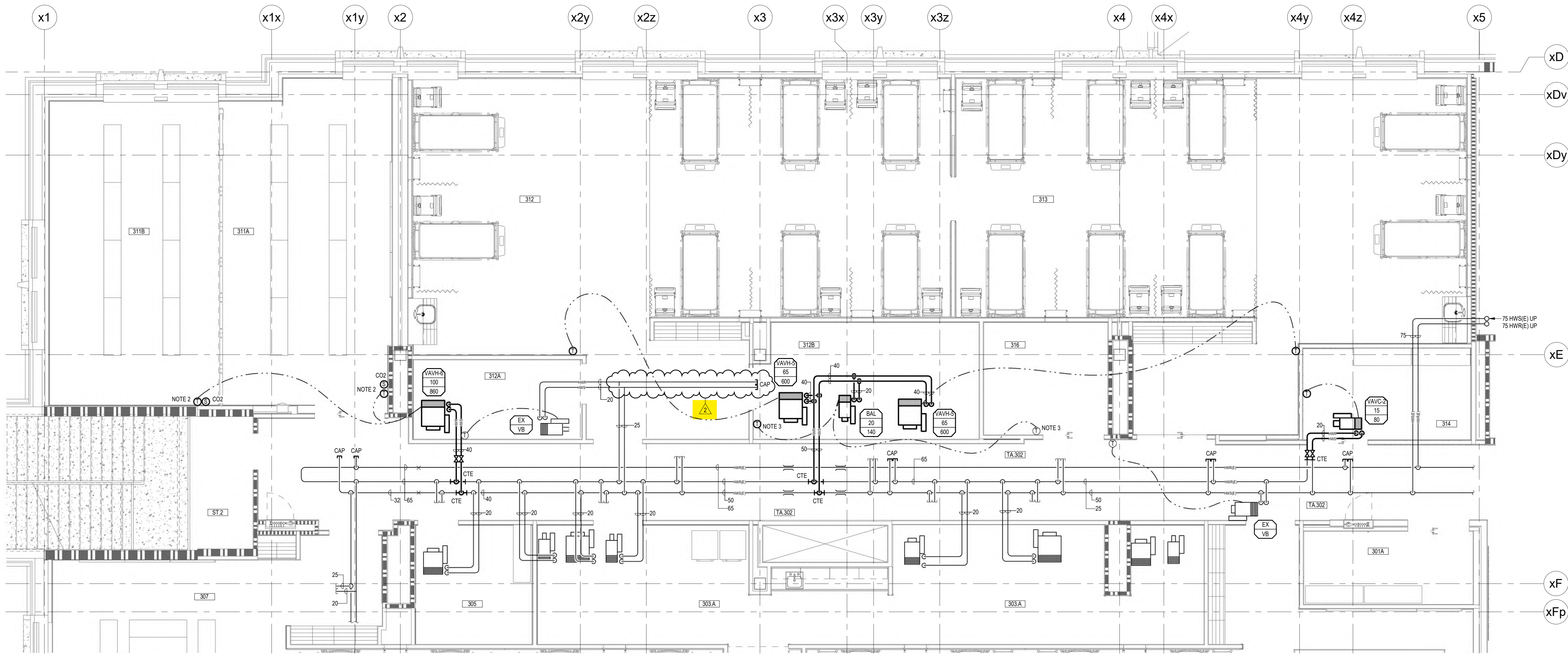
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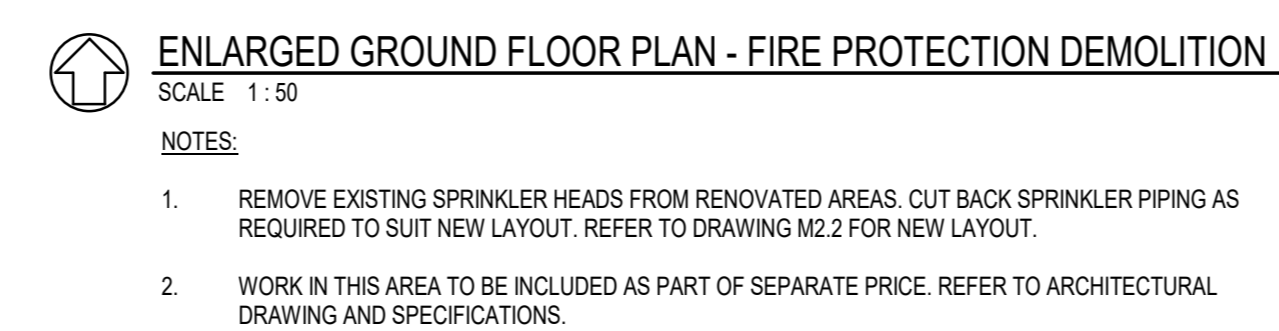
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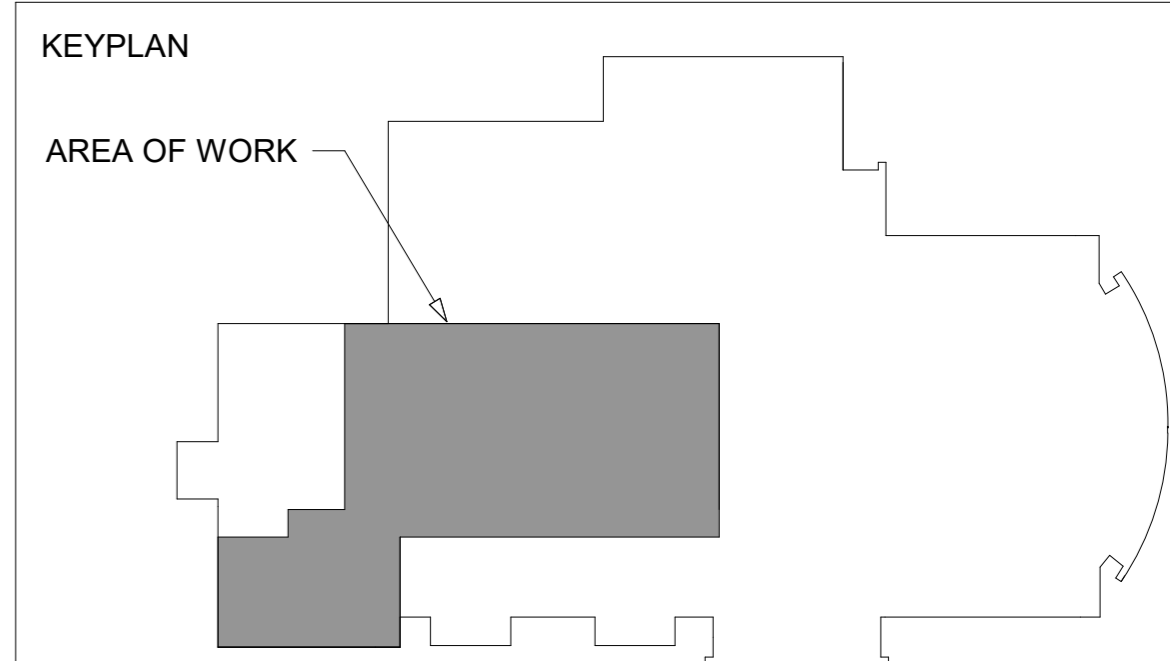
Rev Date: 06/25/26

M2.6



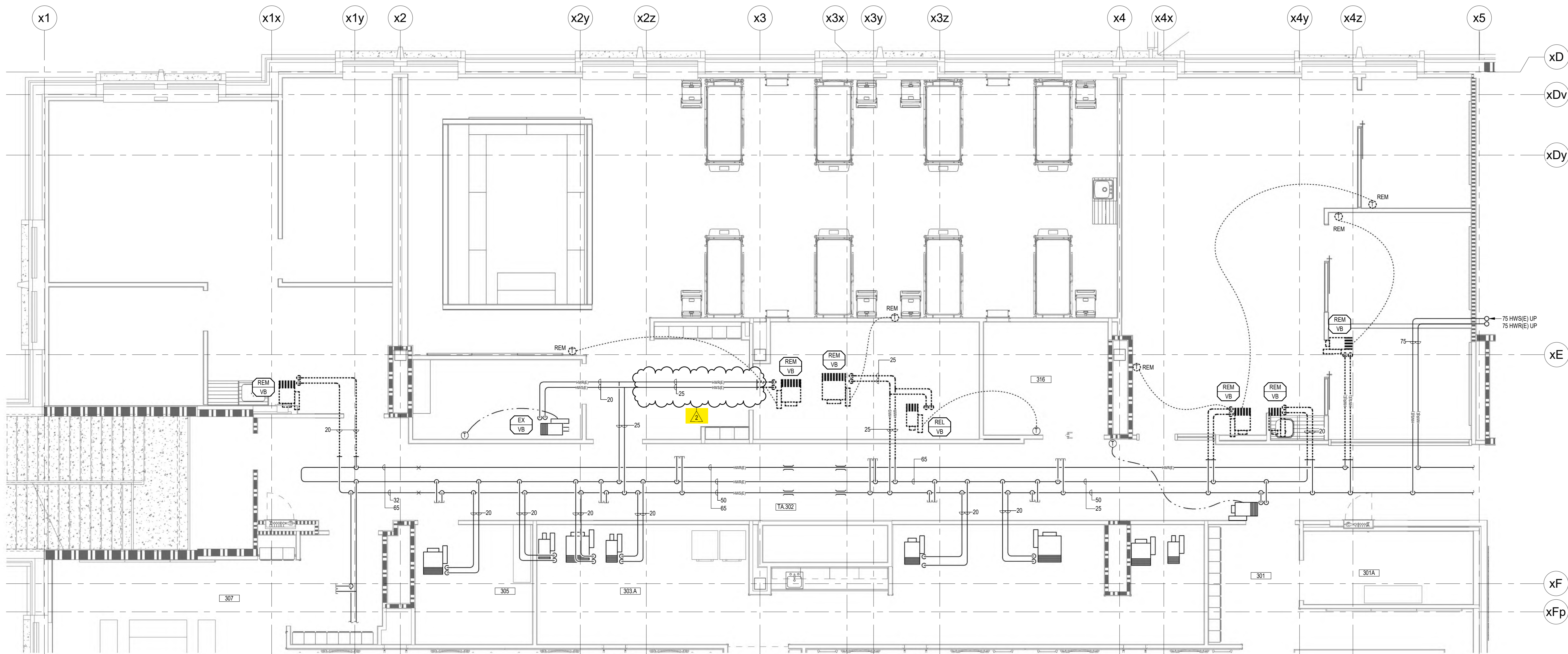




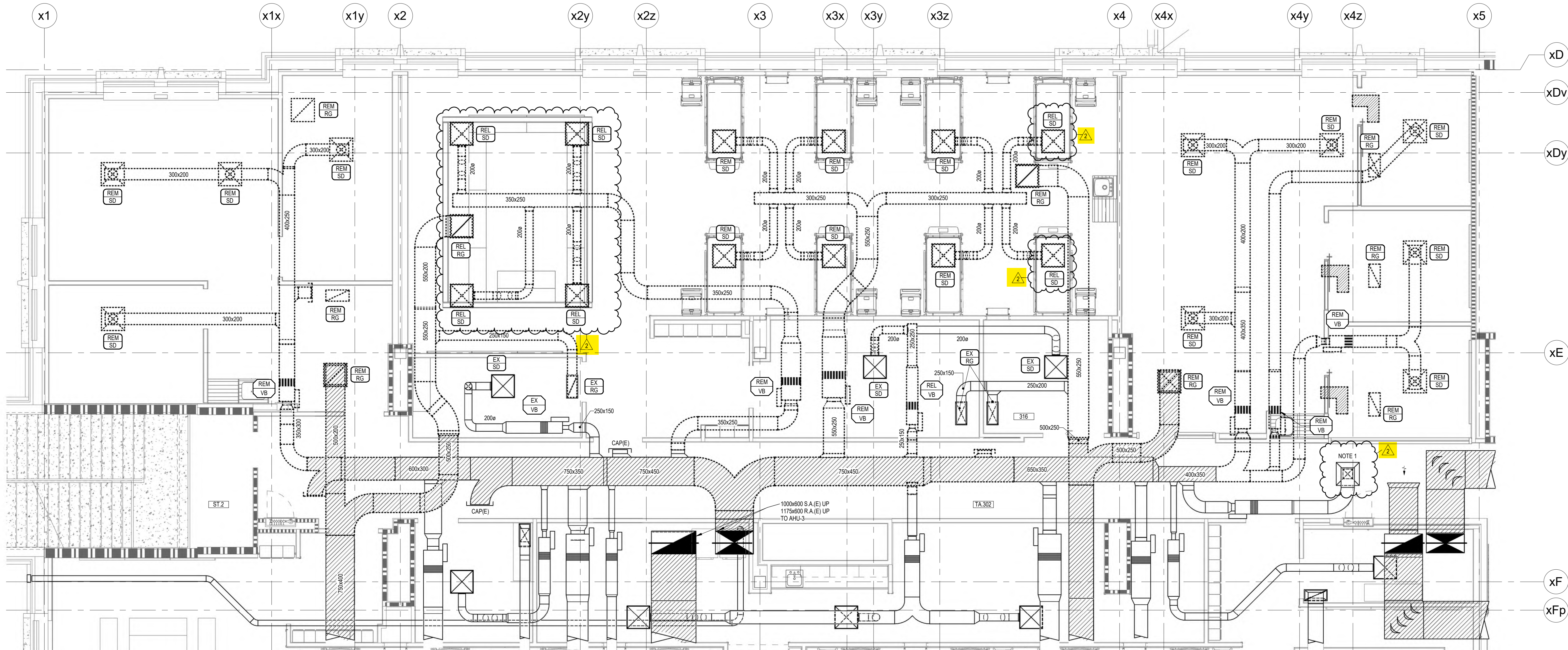


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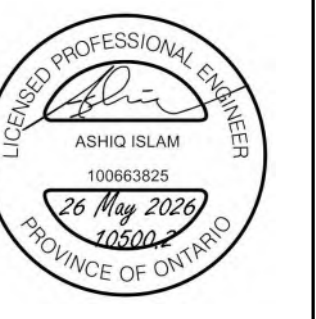
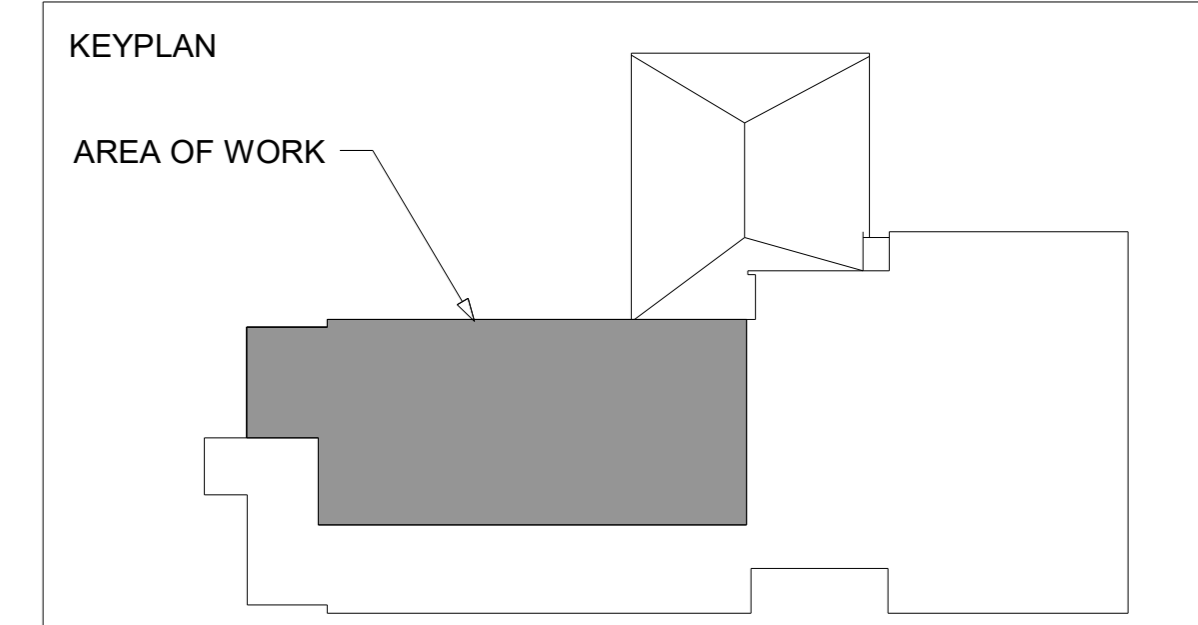
1. WORK IN THIS AREA TO BE INCLUDED AS PART OF SEPARATE PRICE. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
2. MEASURE AIRFLOW PRIOR TO DEMOLITION.



ENLARGED THIRD FLOOR PLAN - HEATING DEMOLITION
SCALE 1:50
NOTES:
1. WHERE SHOWN, REMOVE EXISTING VAV TERMINAL, CONTROLS AND ALL ACCESSORIES.



ENLARGED THIRD FLOOR PLAN - AIR DISTRIBUTION DEMOLITION
SCALE 1:50
NOTES:
1. REMOVE AND REINSTALL DIFFUSER TO FACILITATE CEILING REPLACEMENT



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ENLARGED THIRD FLOOR PLANS - HEATING & AIR
DISTRIBUTION DEMOLITION


Project No. 10500.2
Drawn By: NNT
Rev. Date: 05/25/26

DRAWING LIST	
E.1.1	ELECTRICAL LEGEND, DRAWING LIST, SCHEDULES AND DETAILS
E.1.2	OVERALL FLOOR PLANS
E.2.1	ENLARGED GROUND FLOOR PLAN - LIGHTING AND FIRE ALARM
E.2.2	ENLARGED GROUND FLOOR PLAN - POWER AND SYSTEMS
E.2.3	ENLARGED SECOND FLOOR PLANS - ELECTRICAL AND ELECTRICAL DEMOLITION
E.2.4	ENLARGED THIRD FLOOR PLANS - ELECTRICAL
E.3.1	ENLARGED GROUND FLOOR PLAN - LIGHTING AND FIRE ALARM DEMOLITION
E.3.2	ENLARGED GROUND FLOOR PLAN - POWER AND SYSTEMS DEMOLITION
E.3.3	ENLARGED THIRD FLOOR PLANS - ELECTRICAL DEMOLITION

ELECTRICAL GENERAL NOTES

1. REFER TO ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS, VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH THE EXISTING BUILDING, EQUIPMENT AND SYSTEMS TO DETERMINE THE FULL EXTENT OF DEMOLITION AND RENOVATION WORK.
2. RENOVATIONS SHALL BE MADE ON THE EXISTING BUILDING AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN. REMOVE ALL REDUNDANT ELECTRICAL EQUIPMENT AND CONDUITS. ONLY CONDUITS AND DEVICE BOXES THAT ARE IN VERY GOOD CONDITION MAY REMAIN AND BE REUSED. ALL EQUIPMENT REMOVED AND NOT REUSED SHALL BE HANDED OVER TO THE OWNER AND/OR BE DISCARDED AT THE OWNER'S DISCRETION.
3. CONCEAL ALL CONDUITS AND BOXES IN EXISTING WALLS WHERE POSSIBLE. PROVIDE WIREMOLD 700 SERIES SURFACE RACEWAY FOR NEW DEVICES ON EXISTING WALLS AND ALL LOOSE DATA CABLES THAT CANNOT HAVE CONCEALED SERVICES. PROVIDE APPROPRIATE SURFACE RACEWAY DEVICE BOXES IN UNFINISHED AREAS PROVIDE CONDUIT. IN AREAS WITH OPEN CEILING PROVIDE PAINTED CONDUIT TO MATCH EXISTING MOUNTING SURFACE COLOUR.
4. REMOVE, PROTECT AND REINSTALL IN THE SAME OR NEW LOCATION ON NEW SURFACES ALL EXISTING ELECTRICAL EQUIPMENT THAT WILL BE REUSED. EQUIPMENT IDENTIFIED FOR REUSE THAT IS LOST OR DAMAGED MUST BE REPLACED AT NO COST TO THE OWNER.

ELECTRICAL LEGEND					
SYMBOL	DESCRIPTION	MOUNTING	SYMBOL	DESCRIPTION	MOUNTING
LIGHTING			POWER		
	LED LUMINAIRE - NORMAL POWER	SEE LUMINAIRE SCHEDULE		1520 AMP 120 VOLT 3 WIRE GROUNDED DUPLEX RECEPTACLE CSA 5-20R	SEE TYPICAL MOUNTING HEIGHTS DETAIL
	LED LUMINAIRE - EMERGENCY POWER	SEE LUMINAIRE SCHEDULE		1520 AMP 120 VOLT 3 WIRE GROUNDED DUPLEX RECEPTACLE CSA 5-20R	ABOVE COUNTER - SEE TYPICAL MOUNTING HEIGHTS DETAIL
	LED LUMINAIRE - NORMAL POWER	SEE LUMINAIRE SCHEDULE		TWO 1520 AMP 120 VOLT 3 WIRE GROUNDED DUPLEX RECEPTABLES UNDER COMMON PLATE - NORMAL POWER	SEE TYPICAL MOUNTING HEIGHTS DETAIL
	LED LUMINAIRE - EMERGENCY POWER	SEE LUMINAIRE SCHEDULE		DIRECT POWER CONNECTION	AS NOTED
	LED LUMINAIRE - NORMAL POWER	SEE LUMINAIRE SCHEDULE		SPECIAL RECEPTACLE (AS NOTED)	AS NOTED
	LED LUMINAIRE - EMERGENCY POWER	SEE LUMINAIRE SCHEDULE		FLOOR BOX	
	EXIT SIGN WITH OR WITHOUT DIRECTIONAL ARROWS	CEILING MOUNTED		FLOOR BOX - c/w TWO 20A DUPLEX RECEPTABLES AND TWO NETWORK OUTLETS	
	EXIT SIGN WITH OR WITHOUT DIRECTIONAL ARROWS			BARRIER FREE PUSH BUTTON	
	ROOM CONTROLLER (DIMMING)	WALL MOUNTED AT CEILING		MOTOR c/w DISCONNECT SWITCH	SEE TYPICAL MOUNTING HEIGHTS DETAIL
	OCCUPANCY SENSOR	CEILING ABOVE SWITCHES		ELECTRICAL PANEL	SEE PANEL SCHEDULE
	OCCUPANCY SENSORS	CEILING MOUNTED		HEADWALL ELEVATION TAG	SEE TYPICAL HEADWALL DETAILS
	OCCUPANCY SENSOR SWITCH (DIMMING)	SEE TYPICAL MOUNTING HEIGHTS DETAIL	COMMUNICATIONS		
	SINGLE POLE SWITCH (DIMMING)	SEE TYPICAL MOUNTING HEIGHTS DETAIL		CLOCK	WALL MOUNTED
	SINGLE POLE DIMMER SWITCH	SEE TYPICAL MOUNTING HEIGHTS DETAIL		DIGITAL CLOCK - PROVIDE 120V POWER AND NETWORK TO DIGITAL CLOCK (CONFIRM WITH OWNER)	WALL MOUNTED
	LOW VOLTAGE SWITCH (DIMMING)	SEE TYPICAL MOUNTING HEIGHTS DETAIL		DATA AND TELEPHONE OUTLET	SEE TYPICAL MOUNTING HEIGHTS DETAIL
FIRE ALARM				TELEPHONE OUTLET	SEE TYPICAL MOUNTING HEIGHTS DETAIL
	SMOKE DETECTOR	CEILING MOUNTED		TELEPHONE OUTLET - WALL	SEE TYPICAL MOUNTING HEIGHTS DETAIL
	FIRE ALARM HORN c/w VISUAL SIGNAL (CD AS INDICATED)	SEE FIRE ALARM MOUNTING HEIGHTS DETAIL		DATA OUTLET (ROUGH-IN ONLY)	SEE TYPICAL MOUNTING HEIGHTS DETAIL
	FIRE ALARM HORN c/w VISUAL SIGNAL (CD AS INDICATED)	CEILING MOUNTED		DATA OUTLET - TWO JACKS (ROUGH-IN ONLY)	SEE TYPICAL MOUNTING HEIGHTS DETAIL
	FIRE ALARM CONTROL PANEL	SEE FIRE ALARM MOUNTING HEIGHTS DETAIL		SINGLE DEVICE BOX C/W BLANK COVER PLATE AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE	
				WIRELESS ACCESS POINT	CEILING
				PROJECTOR	SEE DETAIL
			SOUND SYSTEMS		
				MICROPHONE OUTLET	WALL MOUNTED
				SOUND SYSTEM SPEAKER	CEILING MOUNTED
				SOUND SYSTEM SPEAKER	WALL MOUNTED

LUMINAIRE SCHEDULE								
TYPE	MANUFACTURER	MOUNTING		LUMENS	SYSTEM WATTAGE	VOLTS	EQUAL MANUFACTURERS	REMARKS
		TYPE	HEIGHT					
A1	LITHONIA CAT # EPAN-304-400LM-80CRI-30K-MINI-2T-MOLT 610mm x 1220mm LED FLAT PANEL, 3500K, 0-10V DIMMING TO 1%	RECESSED	CEILING	4000	38	120	CFL, METALUX	
E1								
E2	LITHONIA CAT # LDN4-3521S-L04-WR-LSS-MVOLT-EZ1 RECESSED LED DOWNLIGHT, 0-10V DIMMING TO 1%, 3500K	RECESSED	CEILING	1500	15	120	LIGHTOLIER, PORTFOLIO	
E3	LITHONIA CAT # LDN4-3520-L04-WR-LSS-MVOLT-EZ1 RECESSED LED DOWNLIGHT, 0-10V DIMMING TO 1%, 3500K	RECESSED	CEILING	2000	22	120	LIGHTOLIER, PORTFOLIO	
E4								
L4	MARK LIGHTING CAT # SL4L-L0P-4FT-FLP-TG-80CRI-35K-1200LM-DARK 1220mm LED LINEAR, 3500K, 0-10V DIMMING TO 0 TO 1%	RECESSED	CEILING	1200LUFT	12W/FT	120	LUMENWERX 3G LIGHTING LINA SERIES	
L6	MARK LIGHTING CAT # SL4L-L0P-4FT-FLP-TG-80CRI-35K-1000LM-DARK 1830mm LED LINEAR, 3500K, 0-10V DIMMING TO 0 TO 1%	RECESSED	CEILING	1000LUFT	9W/FT	120	LUMENWERX 3G LIGHTING LINA SERIES	
L8	MARK ARCHITECTURAL CAT # SL2L-L0P-4FT-FLP-80CRI-35K-1000LM-MINI-120V-ZT 2440mm LED LINEAR, 3500K, 0-10V DIMMING TO 1%	RECESSED	CEILING	1000FT	11W/FT	120	LUMENWERX 3G LIGHTING LINA SERIES	
	MARK ARCHITECTURAL CAT # SL2L-L0P-10FT-FLP-80CRI-35K-800LM-MINI-120V-ZT 3050mm LED LINEAR, 3500K, 0-10V DIMMING TO 1%	RECESSED	CEILING	800FT	8W/FT	120	LUMENWERX 3G LIGHTING LINA SERIES	
L18	MARK ARCHITECTURAL CAT # SL2L-L0P-18FT-FLP-80CRI-35K-1000LM-MINI-120V-ZT 5486mm LED LINEAR, 3500K, 0-10V DIMMING TO 1%	RECESSED	CEILING	1000FT	11W/FT	120	LUMENWERX 3G LIGHTING LINA SERIES	
L20	MARK ARCHITECTURAL CAT # SL2L-L0P-20FT-FLP-80CRI-35K-1000LM-MINI-120V-ZT 6100mm LED LINEAR, 3500K, 0-10V DIMMING TO 1%	RECESSED	CEILING	1000FT	11W/FT	120	LUMENWERX 3G LIGHTING LINA SERIES	
L51	MARK ARCHITECTURAL CAT # SL2L-L0P-51FT-FLP-80CRI-35K-1000LM-MINI-120V-ZT 15645mm LED LINEAR, 3500K, 0-10V DIMMING TO 1%	RECESSED	CEILING	1000FT	11W/FT	120	LUMENWERX 3G LIGHTING LINA SERIES	
U1	LITHONIA CAT # UPLD-Z2IN-S1W4-80CRI-WH UNDER CABINET LED LUMINAIRE, 3500K	SURFACE	UNDER CABINET	886	11	120	LUMENWERX, HALO	
P	ACCLAIM CAT # FLEXH-35 COVE LED FLEX TRIM, FLEX ONE HO EXTERIOR, 3500K cove RECESSED FLEX CHANNEL AND LENS	RECESSED	COVE	566 LU/FT	3.8W/FT	120	LUMINI, VEROBOARD	NOTE B

NOTES:

- REFER TO ARCHITECTURAL REFLECTED CEILING DRAWINGS TO CONFIRM LUMINAIRE MOUNTING PRIOR TO ORDERING. SUPPLY APPROPRIATE MOUNTING CLIPS AND/OR TRIMS AS REQUIRED. ALL LINEAR LUMINAIRES TO BE CONTINUOUS RUNS.
- PROVIDE ALL ACCESSORIES AS REQUIRED. PROVIDE LOW PROFILE SURFACE RACEWAY TO CONCEAL ALL EXPOSED WIRING.
- EQUAL MANUFACTURERS TO SUBMIT WORKING SAMPLES TO CONSULTANT MINIMUM OF 5 WORKING DAYS PRIOR TO TENDER CLOSING.
- CONFIRM FINISH OF ALL INTERIOR LIGHTS WITH ARCHITECT PRIOR TO ORDERING.
- ALL INTERIOR LUMINAIRES CONNECTED TO ROOM CONTROLS TO BE 0-10V DIMMABLE.
- PROVIDE ALL ACCESSORIES AND POWER SUPPLIES AS REQUIRED FOR A COMPLETE SYSTEM.
- CONFIRM HORIZONTAL, OR VERTICAL, BENDINGS AND RUN LENGTHS WITH ARCHITECTURAL DRAWINGS PRIOR TO ORDERING LED TUBE LIGHTING.
- CONFIRM RUN LENGTHS AND HOUSING REQUIREMENTS WITH ARCHITECTURAL DRAWINGS PRIOR TO ORDERING FIXTURES. MOUNT DRIVER IN ACCESSIBLE CEILING SPACE.

The diagram illustrates the typical wiring for a DLM (Direct Load Management) system. It shows three zones (A, B, and C) connected to a common bus. Each zone has a 0-10V control line. The system includes an occupancy sensor, two wall/occupancy sensor switches, and a contact closure module. The wiring is connected to a dimming room controller and a contact closure module. The diagram also shows the connection to a BAS (Building Automation System) and a contact closure module.

TYPICAL DLM DETAIL

N.T.S.

NOTES:

1. TYPICAL FOR ALL ROOMS WITH AN RC CONTROLLER. REFER TO FLOOR PLANS.
2. ELECTRICAL CONTRACTOR TO INSTALL CONTROLLERS ABOVE SWITCH IN ACCESSIBLE CEILING SPACE. WHERE LOCATED IN EXPOSED CEILING, ELECTRICAL CONTRACTOR TO INSTALL CONTROLLER IN 305mm x 305mm D BOX.
3. ALL CONCEALED LOW VOLTAGE WIRING TO BE IN CONDUIT. REFER TO SPECIFICATION SECTION 280923 FOR ACCEPTABLE WIRING METHODS.
4. CONTRACTOR TO TEST ALL CIRCUITS WITH MANUAL ON/OFF BUTTONS ON RELAY PACKS PRIOR TO INSTALLATION OF LOW-VOLTAGE WIRING.

The diagram is divided into two main sections: a schematic of an emergency switching system and two detailed cross-sections of penetrations through building materials.

Emergency Switching System Schematic:

- Emergency Panel:** Contains a UL-924 Emergency Bypass Shunt Relay with 0-10V Dimming Override (Note 3).
- Normal Panel:** Contains a Control Device (Switch, Occupancy Sensor, or Relay).
- Emergency Luminaires:** Connected to the Emergency Panel.
- Normal Luminaires:** Connected to the Normal Panel.
- 0-10V Dimming Controller:** Receives input from the Emergency Panel and controls the Emergency Luminaires.

Emergency Switching Notes:

- EMERGENCY AND NORMAL POWER LUMINAIRES TO BE CONNECTED TO CORRESPONDING NEUTRAL.
- EMERGENCY POWER AND NORMAL POWER CONDUCTORS SHALL NOT ENTER INTO THE SAME DEVICE OR CONDUIT WITH THE EXCEPTION OF THE EMERGENCY SHUNT RELAY.
- TO BE FUNCTIONAL, DEVICES BE 30N OR EQUAL, 16A AT 277V (ELECTRONIC BALLAST RATED).

Penetration Details:

- SLEEVE IN CONCRETE FLOOR SLAB:** Shows a cross-section of a concrete floor slab with a vertical conduit. The conduit is sealed with a UL-listed sealant. The sealant is 25mm (1") thick in rooms with water service and 16mm (1/2") thick elsewhere. The conduit is surrounded by a pipe sleeve, and the finished floor is shown above the slab.
- SLEEVE IN CONCRETE/BLOCK WALL:** Shows a cross-section of a concrete or block wall with a horizontal conduit. The conduit is sealed with a UL-listed sealant. The conduit is surrounded by a pipe sleeve, and the wall is shown on both sides.

ABBREVIATIONS		
SM	SURFACE MOUNTED	P POLE
C	CONDUIT	PH PHASE
CL	CEILING MOUNTED	RR REMOVE AND REINSTALL
CP	CHILD PROOF / TAMPER-RESISTANT RECEPTACLE	REL IF DASHED - EXISTING TO BE RELOCATED
DC	DIRECT CURRENT	REL IF SOLID - EXISTING IN NEW LOCATION
DMS	DIGITAL METERING SYSTEM	REM EXISTING TO BE REMOVED
DS	UN-FUSED DISCONNECT SWITCH	REP EXISTING TO BE REPLACED WITH NEW
EX	EXISTING TO REMAIN	RR REMOVE AND RELOCATE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SW SWITCH
H	HOUSE-KEEPING	TP TAMPER PROOF
UPS	UNINTERRUPTIBLE POWER SUPPLY	T/S TIME SWITCH
IG	ISOLATED GROUND	VFD VARIABLE FREQUENCY DRIVE
NEW	NEW DEVICE	WG WIRE GUARD
MP	MOISTURE PROOF	WM WIREMOLD
OC	OVER COUNTER	WP WEATHERPROOF

MECHANICAL EQUIPMENT SCHEDULE													
EQUIPMENT SUPPLIED AND INSTALLED BY DIVISION 25, WIRED BY DIVISION 26							CONTROL EQUIPMENT SUPPLIED AND INSTALLED BY DIVISION 26						
ITEM	DESCRIPTION	LOCATION	hp (kW)	MCA	PHASE	VOLTS	STARTER/CONTROL TYPE	FED FROM	BREAKER SIZE	POLES	CONDUCTOR SIZE	CONDUIT SIZE	NOTES
EF-9	EXHAUST FAN	SEE PLANS	1/4		1	120	DS	SEE PLANS	15	1	2 #12	21mm	
NOTES:													
1. DIVISION 26 TO OBTAIN COPIES OF MECHANICAL EQUIPMENT SHOP DRAWINGS AND COORDINATE ELECTRICAL SERVICES.													
2. PROVIDE LOCAL NON-FUSED DISCONNECT SWITCHES AT MOTORS IN ACCORDANCE WITH SECTION 28-404 OF THE ONTARIO ELECTRICAL SAFETY CODE.													
3. UNLESS OTHERWISE OTHERWISE ALL CONTROL WIRING IS BY DIVISION 25.													

MOTOR CONTROL ABBREVIATIONS			
ALST	ALTERNATOR STARTER	HOA	HAND-OFF-AUTO SELECTOR SWITCH
COMB	COMBINATION DISCONNECT SWITCH AND MAGNETIC STARTER	HOL	HIGH OFF-LOW-SPEED SELECTOR SWITCH <i>ow</i> 15 SECOND TIME DELAY FROM HIGH SPEED TO LOW
CON	CONTACTOR	MAN	MANUAL STARTER
DS	UN-FUSED DISCONNECT SWITCH	MCA	MINIMUM CIRCUIT AMPACITY
DC	DIRECT CURRENT	PL	PILOT LIGHT
FHP	FRACTIONAL HORSE POWER	FVNR	FULL VOLTAGE NON-REVERSING STARTER <i>ow</i> H.O.A. SWITCH
FLA	FULL LOAD AMPS	SS	START STOP
FDS	FUSED DISCONNECT SWITCH	VSD	VARIABLE SPEED DRIVE

REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR REQUIREMENTS

PROVIDE 3 DUPLEX RECEPTACLES ON EACH SIDE OF THE HEADWALL REFER TO DRAWINGS FOR CIRCUITING (TYP.)

HOSPITAL BED (TYP.)

TYPICAL HW1 ELEVATION
NTS

The diagram illustrates the recommended mounting heights for fire alarm components in a room. The components and their dimensions are as follows:

- Fire Alarm Pull Station:** Mounted on the wall, 1800mm high from the floor.
- Fire Alarm Control Panel:** Mounted on the wall, 1300mm high from the floor.
- Fire Alarm Pre-Alarm Device:** Mounted on the wall, 1500mm high from the floor.
- Fire Alarm Pre-Alarm Resistor:** Mounted on the wall, 1500mm high from the floor.

Additional dimensions and labels include:

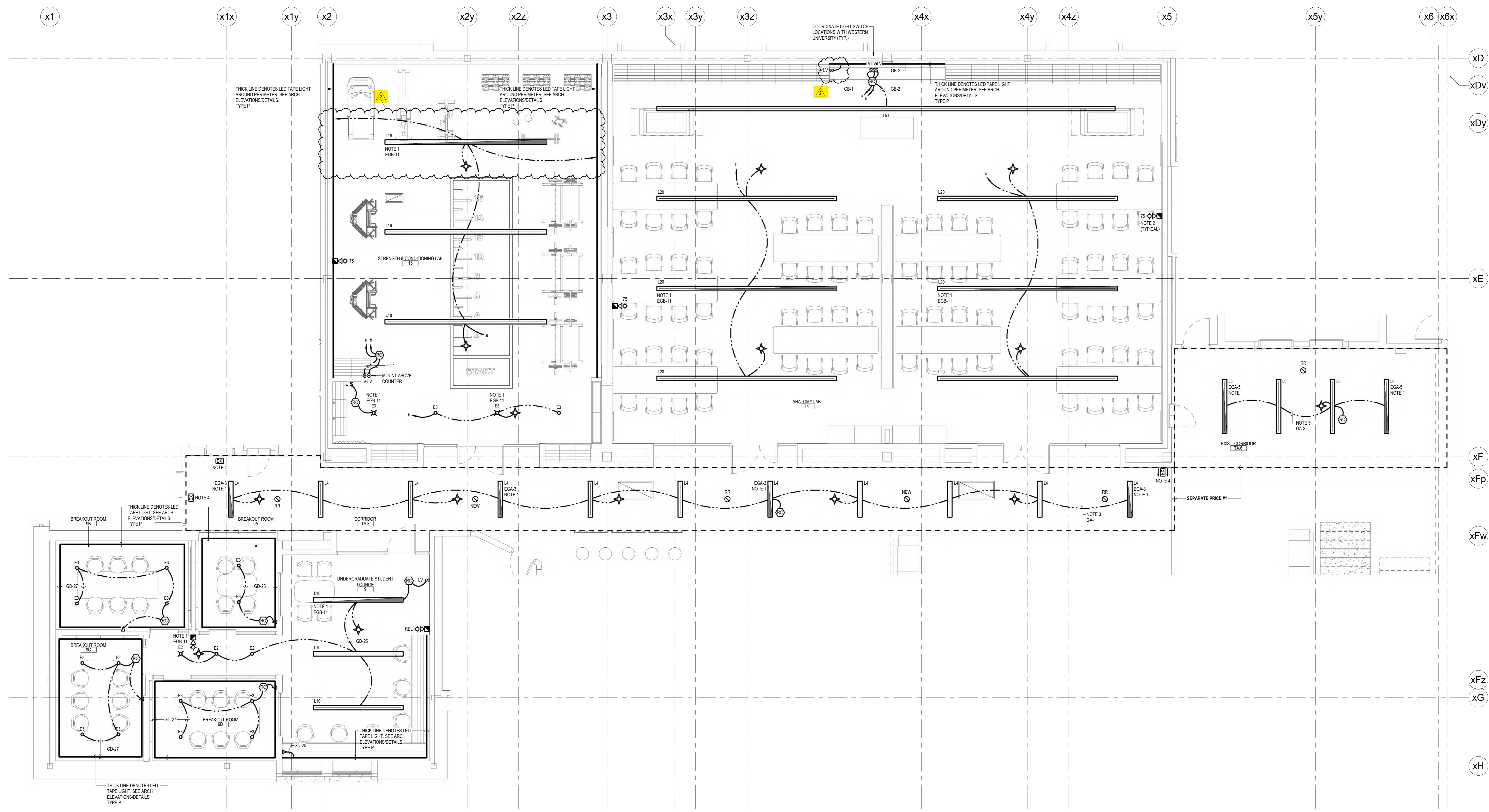
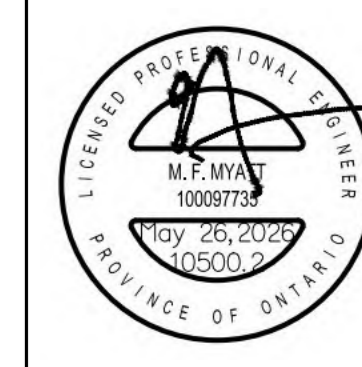
- CEILING:** 1500mm MAX.
- FLOOR:** 1500mm MAX.
- WALL:** 1500mm MAX, 1300mm MIN.
- DOOR:** 1800mm.
- NOTE 1:** COORDINATE DEVICES LOCATIONS WITH ARCHITECTURAL ELEVATIONS.
- NOTE 2:** PROVIDE 810mm x 1370mm OF CLEAR SPACE CENTERED IN FRONT OF THE DEVICE.
- NOTE 3:** PRIOR TO ROUGH-IN OF FIRE ALARM PULL STATIONS, REVIEW THE HEIGHTS AT SITE WITH BUILDING INSPECTOR TO ENSURE LOCAL REQUIREMENTS AND CODE INTERPRETATIONS ARE MET.

[illegible]

Diagram illustrating the Trapeze Suspension for Feeder Conduits (Typical). The diagram shows a cross-section of a building structure with a channel suspension system. The components labeled are:

- RESTRAINING STRAP
- BUILDING STRUCTURE
- BEAM CLAMP USE SLEEVE ANCHOR FOR CONCRETE SLABS
- HANGER ROD
- NUT
- WASHER
- CLAMP INDIVIDUAL CONDUITS TO SUSPENSION SYSTEM WITH STRUT CONDUIT CLAMPS
- CONDUITS
- CHANNEL SUSPENSION SYSTEM AS SPECIFIED

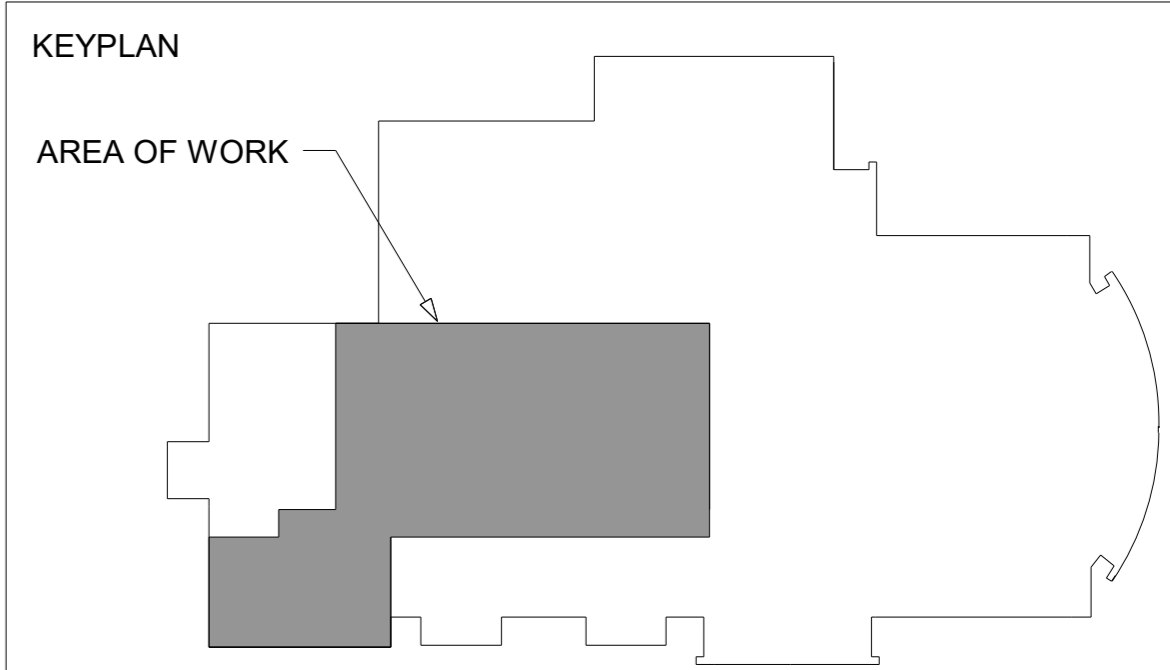
TRAPEZE SUSPENSION FOR FEEDER CONDUITS
(TYPICAL)
 N.T.S.

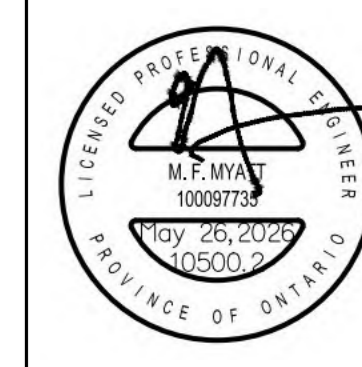


ENLARGED GROUND FLOOR PLAN - LIGHTING AND FIRE ALARM
SCALE: 1"=50'

NOTES:

- EMERGENCY LUMINAIRES TO BE CONTROLLED WITH NORMAL POWER LUMINAIRES. PROVIDE UL-924 RELAY. REFER TO EMERGENCY SWITCHING DETAIL.
- NEW FIRE ALARM SIGNALING AND INITIATING DEVICES TO BE CONNECTED TO EXISTING FIRE ALARM SIGNALING AND INITIATING ZONES SERVING THE AREA. REWORK AS REQUIRED TO SUIT RENOVATION.
- EXTEND/REWORK EXISTING LIGHTING CIRCUIT IN THE AREA TO ACCOMMODATE NEW LIGHTING.
- CONNECT TO EXISTING DEDICATED EMERGENCY CIRCUIT SERVING EXIT SIGNAGE IN THE AREA.





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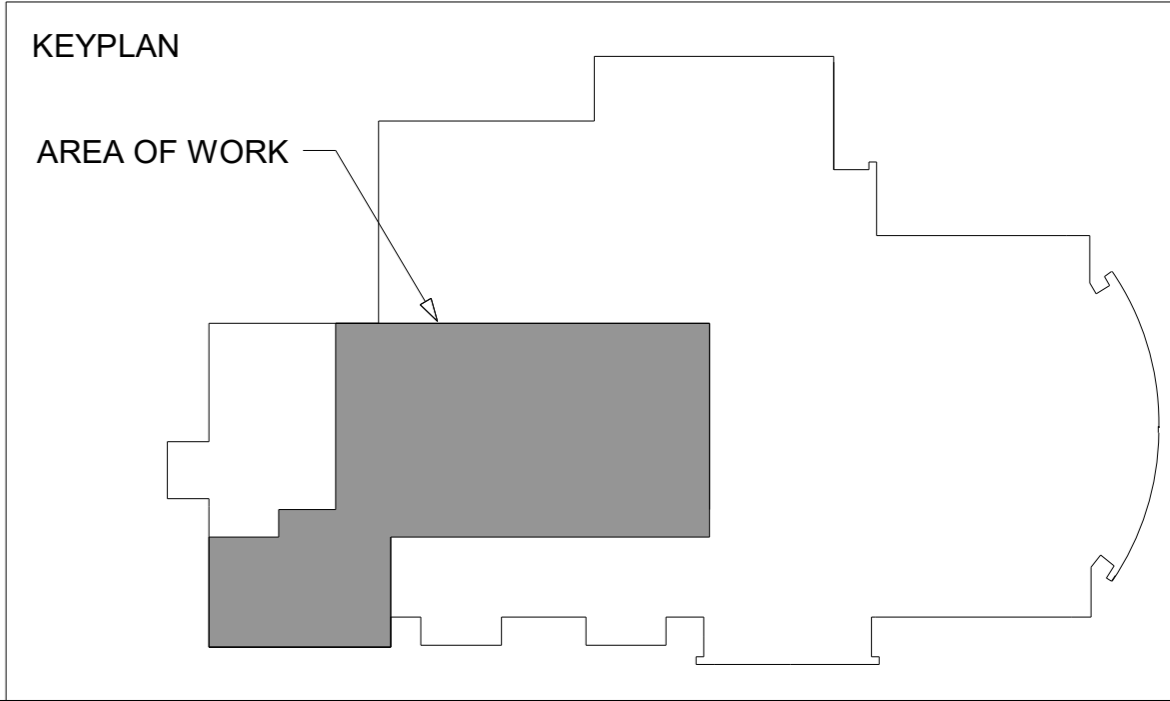
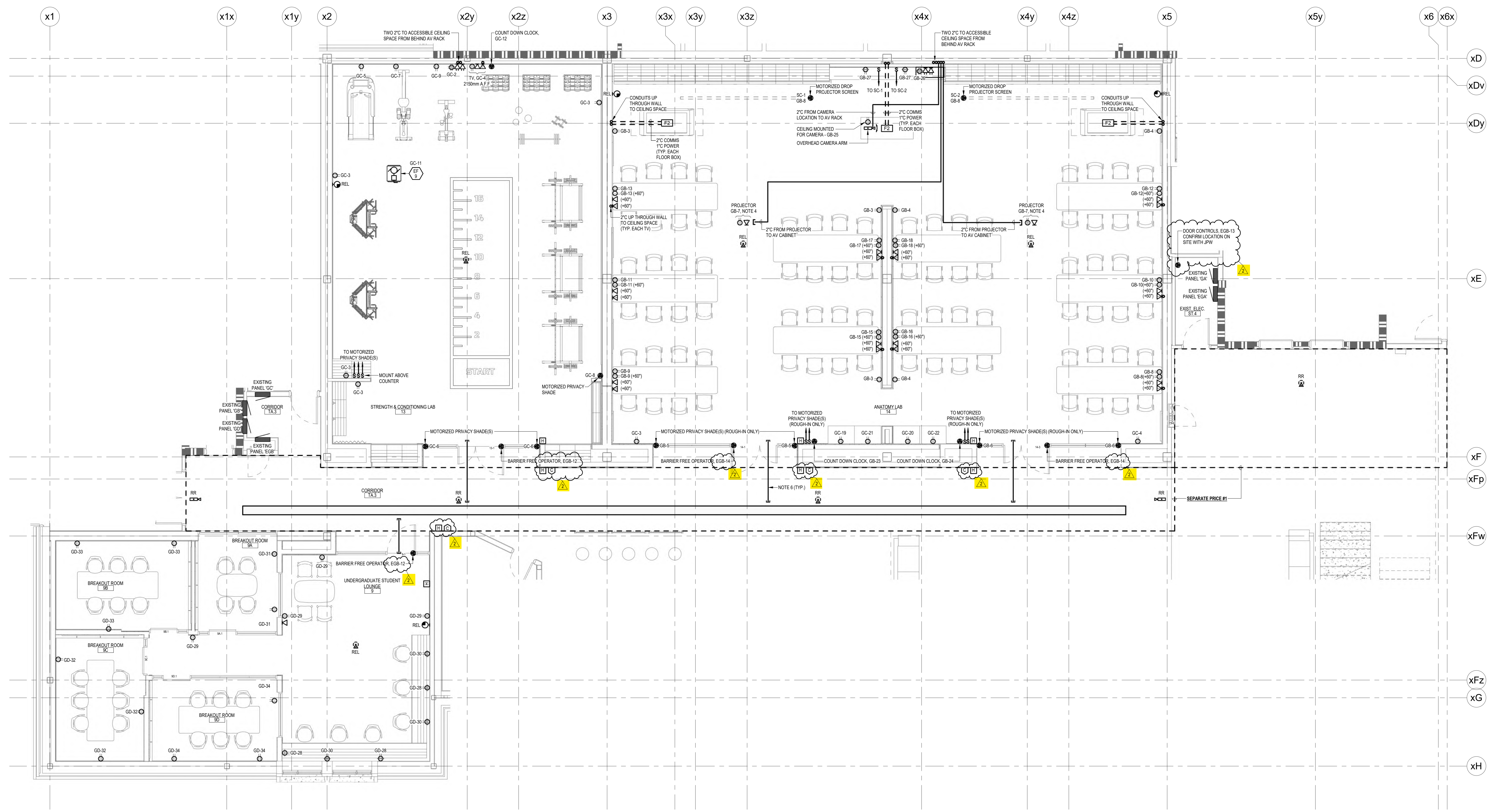
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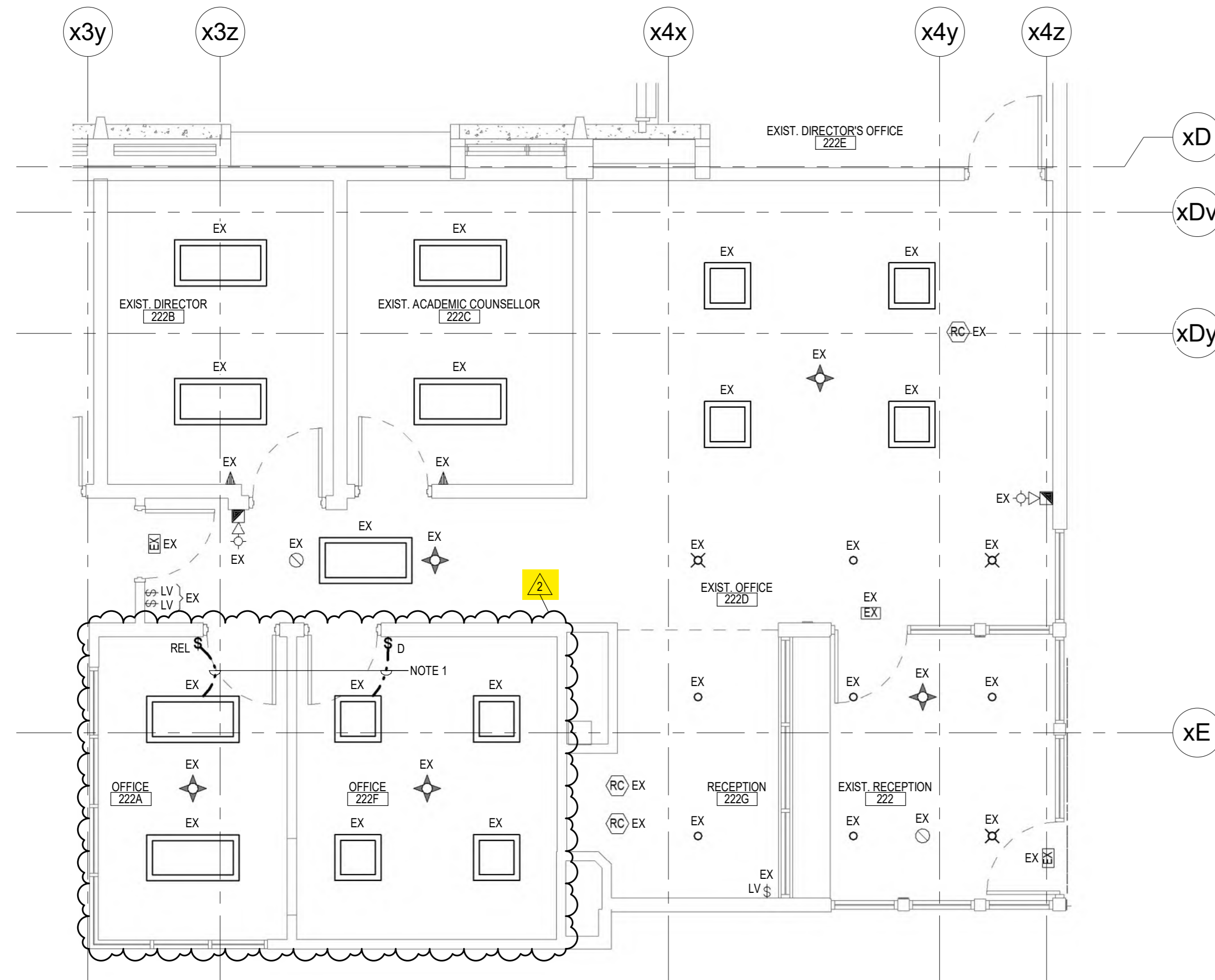
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ENLARGED GROUND FLOOR PLAN - POWER AND SYSTEMS

05/26/25

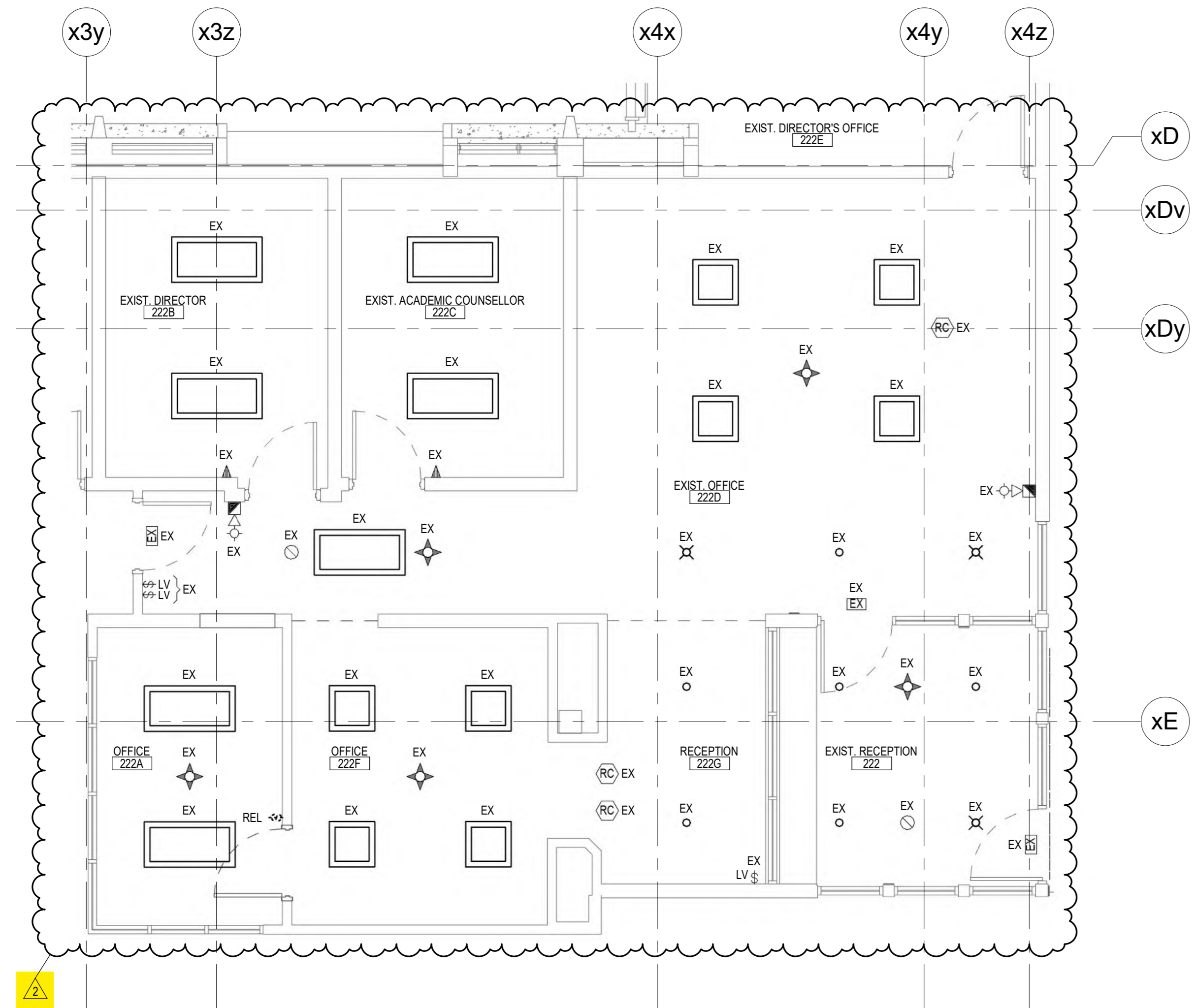


- ENLARGED GROUND FLOOR PLAN - POWER AND SYSTEMS**
SCALE: 1"=50'
- NOTES:**
- COORDINATE TV AND PROJECTOR LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
 - REFER TO WESTERN UNIVERSITY AV SPECIFICATION DOCUMENTS FOR ALL ROUGH-IN POWER, WIRING AND DEVICES. THOROUGHLY REVIEW THE WESTERN UNIVERSITY AV DOCUMENTS AND PROVIDE ALL CONDUITS, ROUGH-IN BOXES, CABLEING, CONTROLS, LIGHTING CONTROL DEVICES SHOWN ON THIS SHEET ARE CONSIDERED GENERAL USE AND SHALL BE PROVIDED AS SHOWN IN ADDITION TO ALL DEVICES SHOWN IN THE AV DOCUMENTS.
 - REFER TO SPECIFICATIONS FOR ALL DOOR ELEVATIONS AND ROUGH-IN DETAILS. PROVIDE A SYSTEM OF EMPTY CONDUITS AND BOXES INDICATED ON DOOR ELEVATIONS AND DENOTED BY DIVISION 06. ALL CONDUITS TO BE COMPLETED WITH NYLON FISH WIRE.
 - COORDINATE EXACT LOCATIONS OF DEVICES NOTED WITH WESTERN UNIVERSITY PRIOR TO INSTALLATION.
 - COORDINATE LOCATIONS OF ALL BARRIER FREE PUSH BUTTONS AND DOOR HARDWARE WITH HARDWARE ELEVATIONS AND ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
 - ALL SLEEVES TO RUN TO NEW CABLE TRAY. COORDINATE WITH WESTERN ITS DEPARTMENT (TYPICAL).



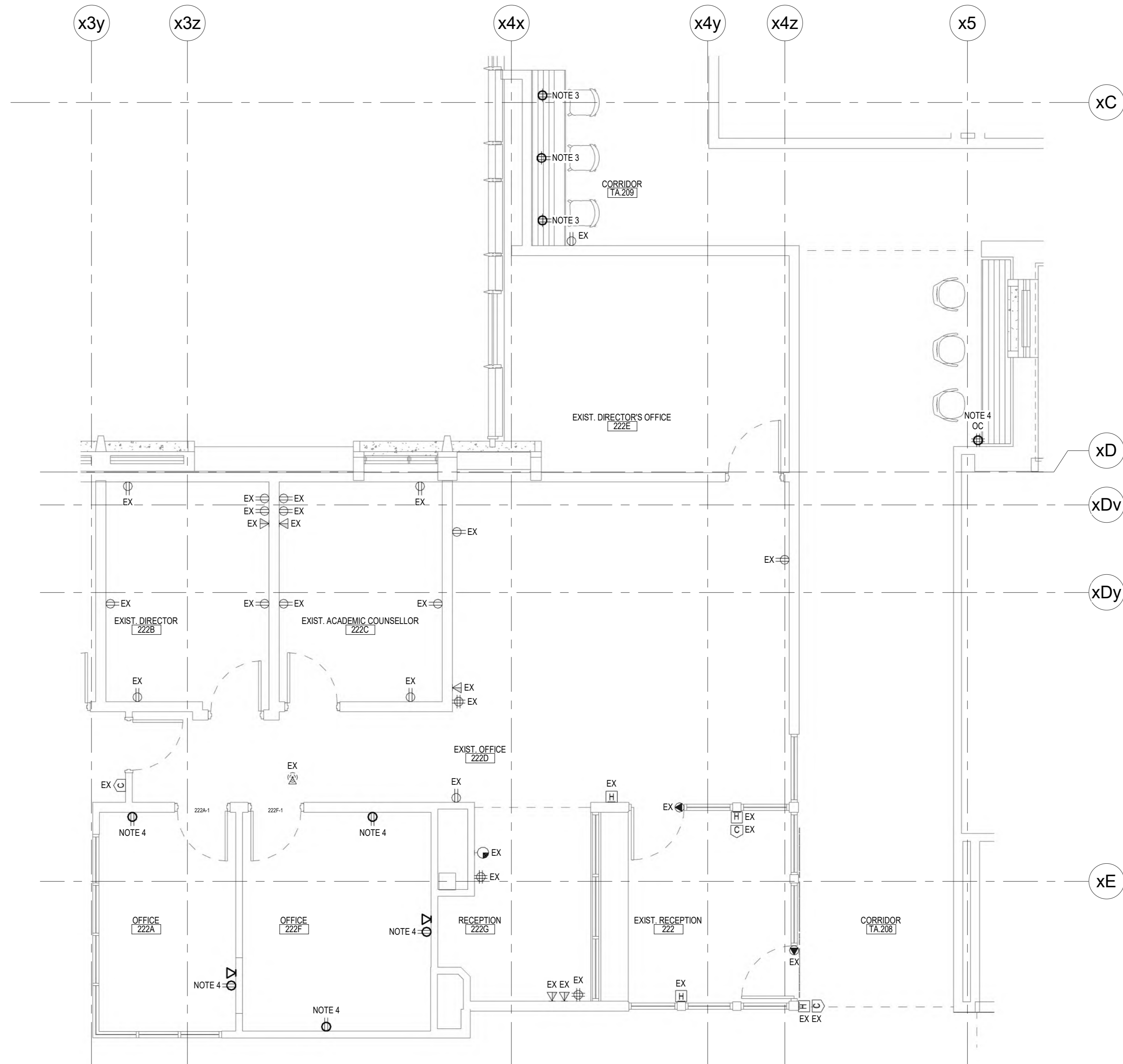
ENLARGED SECOND FLOOR PLAN - LIGHTING AND FIRE ALARM

- SCALE: 1:50
- NOTES:
1. EXTEND/REWORK EXISTING LIGHTING CIRCUIT IN THE AREA TO ACCOMMODATE NEW LIGHTING CONTROLS.



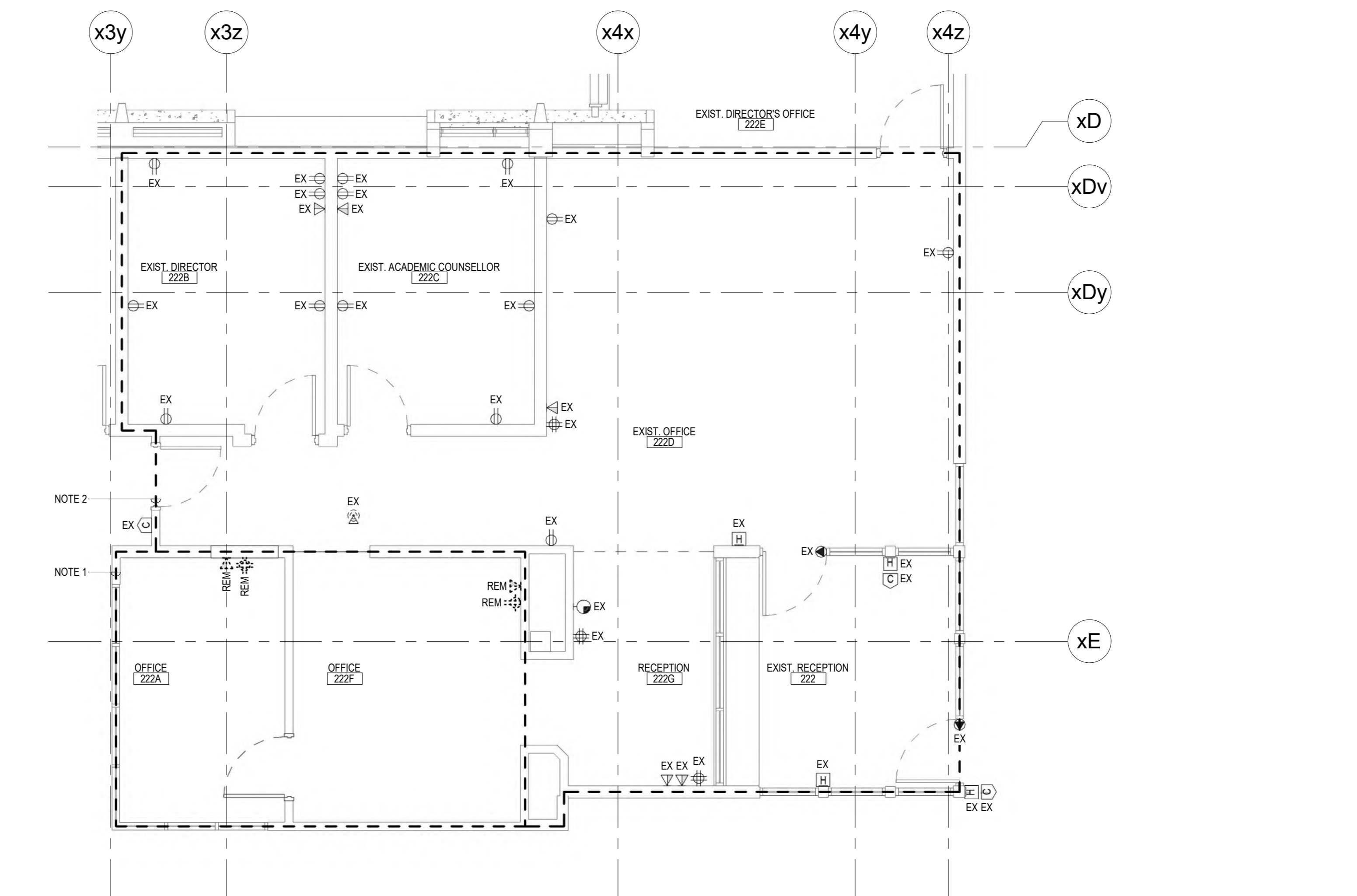
ENLARGED SECOND FLOOR PLAN - LIGHTING AND FIRE ALARM DEMOLITION

- SCALE: 1:50
- NOTES:
1. REMOVE ALL EXISTING LIGHTING AND FIRE ALARM DEVICES AND EQUIPMENT WITHIN THE OUTLINED AREA UNLESS NOTED OTHERWISE.



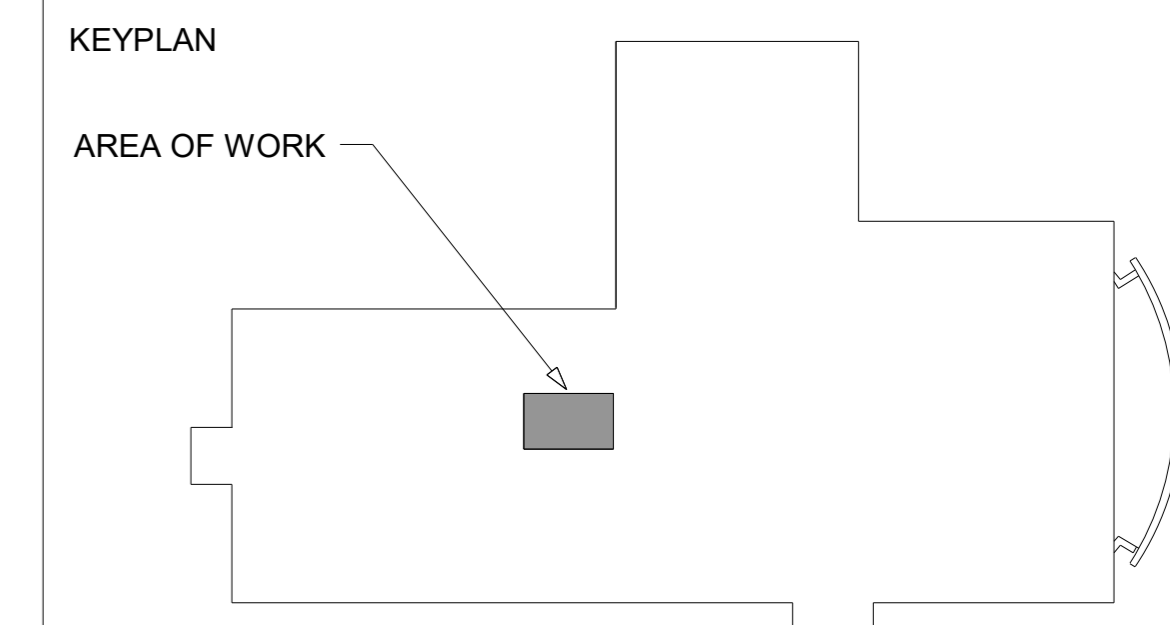
ENLARGED SECOND FLOOR PLAN - POWER AND SYSTEMS

- SCALE: 1:50
- NOTES:
1. REFER TO SPECIFICATIONS FOR ALL DOOR ELEVATIONS AND ROUGH-IN DETAILS. PROVIDE A SYSTEM OF EMPTY CONDUITS AND BOXES INDICATED ON DOOR ELEVATIONS AND DENOTED BY DIVISION 26. ALL CONDUITS TO BE COMPLETED WITH NYLON FISH WIRE.
 2. REFER TO WESTERN UNIVERSITY AV SPECIFICATION DOCUMENTS FOR ALL ROUGH-IN, POWER, WIRING AND DEVICES. THOROUGHLY REVIEW THE WESTERN UNIVERSITY AV DOCUMENTS AND PROVIDE ALL CONDUITS, ROUGH-IN, BOXES, CABLING, CONTROLS, LIGHTING CONTROL DEVICES SHOWN ON THIS SHEET ARE CONSIDERED GENERAL USE AND SHALL BE PROVIDED AS SHOWN IN ADDITION TO ALL DEVICES SHOWN IN THE AV DOCUMENTS.
 3. PROVIDE TWO (2) 15A 1P BREAKERS IN EXISTING PANEL 3C TO SERVE NEW RECEPTACLES.
 4. CONNECT TO EXISTING CIRCUIT SERVING RECEPTACLES IN THIS ROOM. EXTEND/REWORK AS REQUIRED.



ENLARGED SECOND FLOOR PLAN - POWER AND SYSTEMS DEMOLITION

- SCALE: 1:50
- NOTES:
1. DEVICES ARE SHOWN FOR REFERENCE PURPOSES ONLY. ACTUAL QUANTITIES MAY VARY. COMPLETELY REMOVE ALL POWER AND SYSTEM DEVICES WITHIN THE OUTLINED AREA UNLESS NOTED OTHERWISE. REMOVE ALL REDUNDANT WIRING, CONDUIT, CABLING AND CONTROLS BACK TO SOURCE. MAINTAIN SERVICES TO AREAS NOT UNDER CONSTRUCTION.
 2. DEVICES ARE SHOWN FOR REFERENCE PURPOSES ONLY. ACTUAL QUANTITIES MAY VARY. IN GENERAL, REMOVE AND REINSTALL/RELOCATE EXISTING ELECTRICAL DEVICES AS REQUIRED TO SUIT RENOVATION WITHIN THE OUTLINED AREA. EXTEND/REWORK EXISTING WIRING, CONDUIT, CABLING AND CONTROLS TO SUIT. MAINTAIN SERVICES TO AREAS NOT UNDER CONSTRUCTION.
 3. IN GENERAL, WESTERN UNIVERSITY'S WTS DEPARTMENT TO SALVAGE EXISTING AV EQUIPMENT. DISCONNECT/DISASSEMBLE ALL PROJECTORS, PROJECTOR SCREENS, PROJECTOR POSTS FROM DECK, MICROPHONES AND SPEAKERS. TURN OVER ALL EQUIPMENT TO WESTERN UNIVERSITY.



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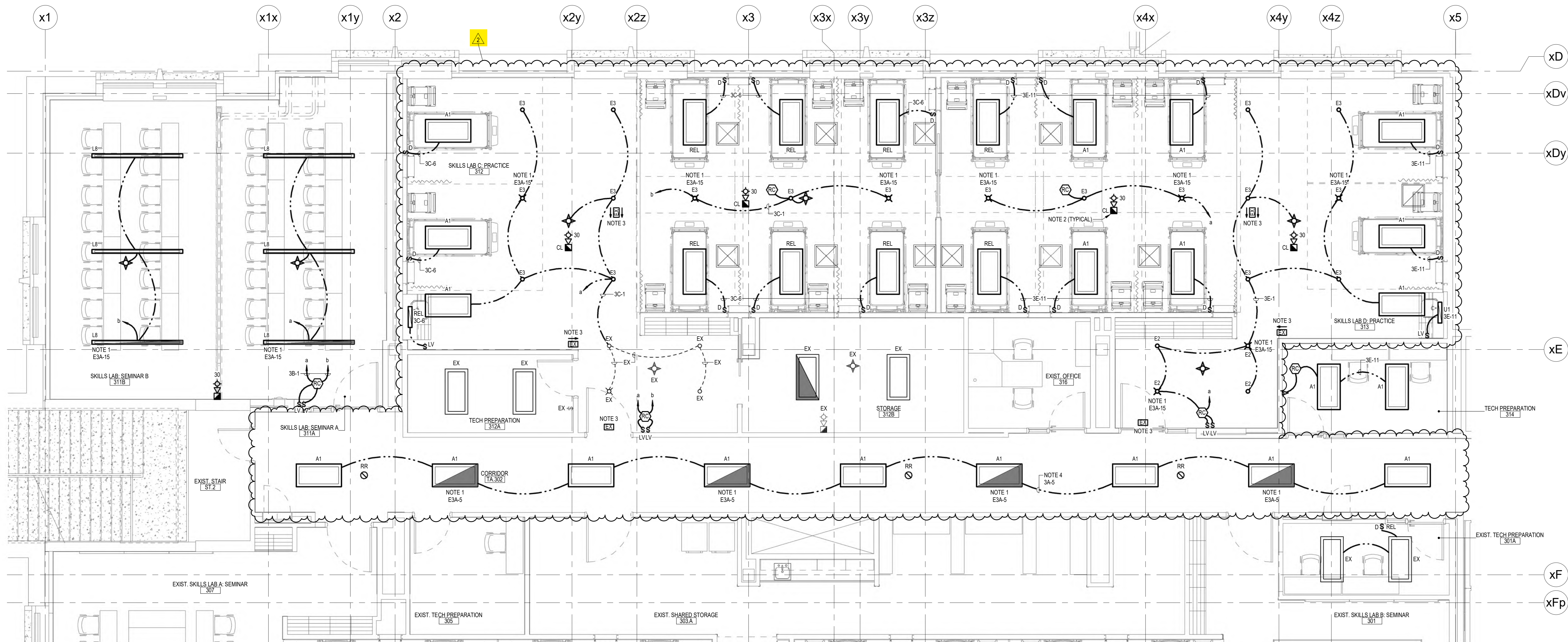


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Rev Date: 05/20/20

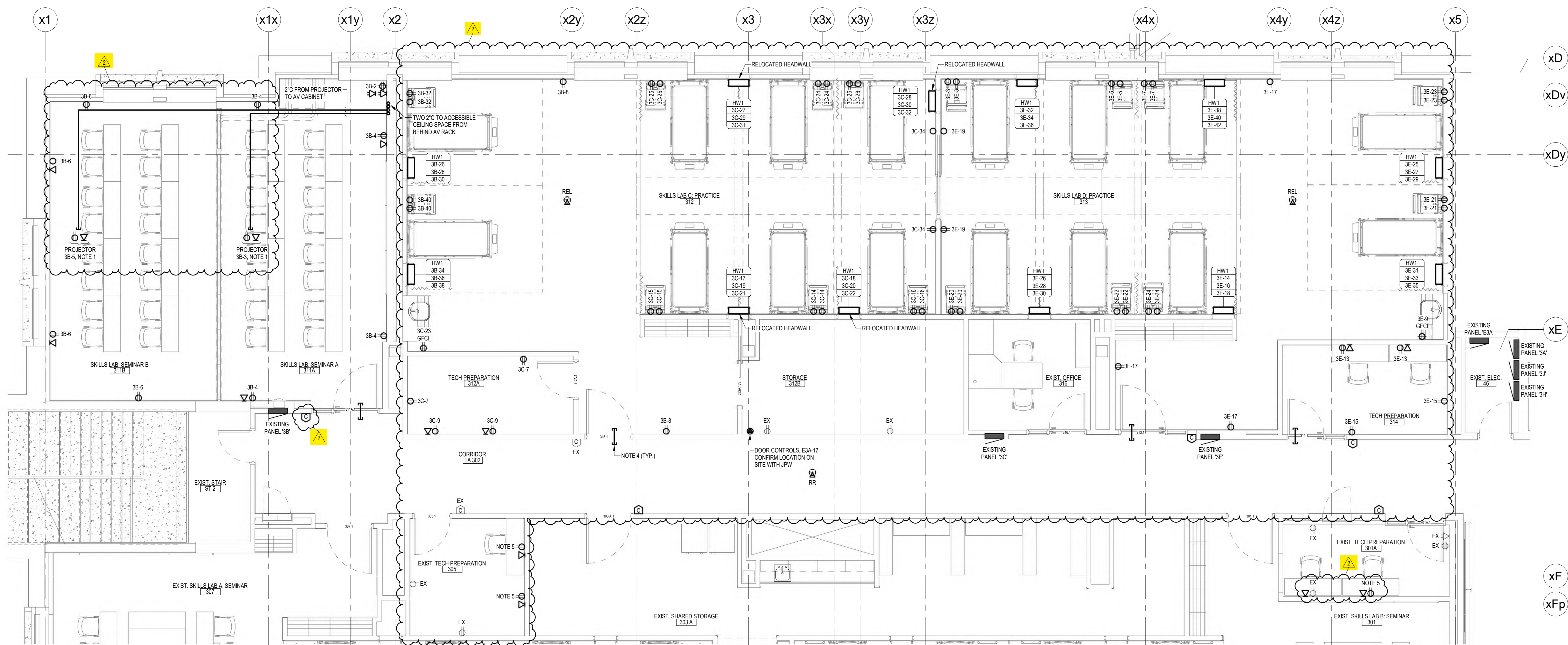
ENLARGED SECOND FLOOR PLANS - ELECTRICAL AND ELECTRICAL DEMOLITION



ENLARGED THIRD FLOOR PLAN - LIGHTING AND FIRE ALARM
SCALE: 1:50

NOTES:

- EMERGENCY LUMINAIRES TO BE CONTROLLED WITH NORMAL POWER LUMINAIRES. PROVIDE UL-924 RELAY. REFER TO EMERGENCY SWITCHING DETAIL.
- NEW FIRE ALARM SIGNALING AND INITIATING DEVICES TO BE CONNECTED TO EXISTING FIRE ALARM SIGNALING AND INITIATING ZONES SERVING THE AREA. REWORK AS REQUIRED TO SUIT RENOVATION.
- CONNECT TO EXISTING DEDICATED EXIT SIGNAGE CIRCUIT SERVING THE AREA.
- EXTEND/REWORK EXISTING LIGHTING CIRCUIT IN THE AREA TO ACCOMMODATE NEW LIGHTING.



ENLARGED THIRD FLOOR PLAN - POWER AND SYSTEMS
SCALE: 1:50

NOTES:

- COORDINATE EXACT LOCATIONS OF DEVICES NOTED WITH WESTERN UNIVERSITY PRIOR TO INSTALLATION.
- REFER TO SPECIFICATIONS FOR ALL DOOR ELEVATIONS AND ROUGH-IN DETAILS. PROVIDE A SYSTEM OF EMPTY CONDUITS AND BOXES INDICATED ON DOOR ELEVATIONS AND DENOTED BY DIVISION 26. ALL CONDUITS TO BE COMPLETED WITH NYLON FISH WIRE.
- REFER TO WESTERN UNIVERSITY AV SPECIFICATION DOCUMENTS FOR ALL ROUGH-IN, POWER, WIRING AND DEVICES. THOROUGHLY REVIEW THE WESTERN UNIVERSITY AV DOCUMENTS AND PROVIDE ALL CONDUITS, ROUGH-IN, BOXES, CABLEING, CONTROLS, LIGHTING CONTROL DEVICES SHOWN ON THIS SHEET ARE CONSIDERED GENERAL. USE AND SHALL BE PROVIDED AS SHOWN IN ADDITION TO ALL DEVICES SHOWN IN THE AV DOCUMENTS.
- ALL SLEEVES TO RUN TO EXISTING CABLE MANAGEMENT. COORDINATE WITH WESTERN ITS DEPARTMENT (TYPICAL).
- CONNECT TO EXISTING CIRCUIT SERVING RECEPTACLES IN THIS ROOM. EXTEND/REWORK AS REQUIRED.

KEYPLAN

AREA OF WORK



DO NOT SCALE. THE DRAWING AND MEASUREMENTS ARE TO BE CHECKED BY THE CONSULTANT BEFORE PROCEEDING WITH THE WORK. THE CONSULTANT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND DATA PROVIDED. THE CONSULTANT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND DATA PROVIDED. THE CONSULTANT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND DATA PROVIDED.

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ENLARGED THIRD FLOOR PLANS - ELECTRICAL

E2.4

