

GENERAL NOTES:

ALL WORK IS TO CONFORM TO THE REQUIREMENTS OF PART 9 & PART 3.2 OF THE NATIONAL BUILDING CODE OF CANADA, THE REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION AND THE REQUIREMENTS OF APPLICABLE CANADIAN STANDARDS ASSOCIATION DOCUMENTS.

AREA FOR STORAGE OF CONSTRUCTION MATERIALS, PLACEMENT OF CONTRACTOR'S PLANT AND EQUIPMENT, AND LIMITED PARKING OF CONTRACTOR AND SUB-TRADE VEHICLES WILL BE AS DIRECTED BY THE CoSj PROJECT MANAGER.

DEMOLISHED MATERIALS ARE TO BE REMOVED TO AN APPROVED MUNICIPAL DISPOSAL SITE DAILY.

CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE BUILDING SITE CLEAR/ORDERLY AND SECURE THROUGHOUT CONSTRUCTION.

GENERAL CONTRACTOR IS TO VERIFY SITE DIMENSIONS PRIOR TO THE COMMENCING OF WORK.

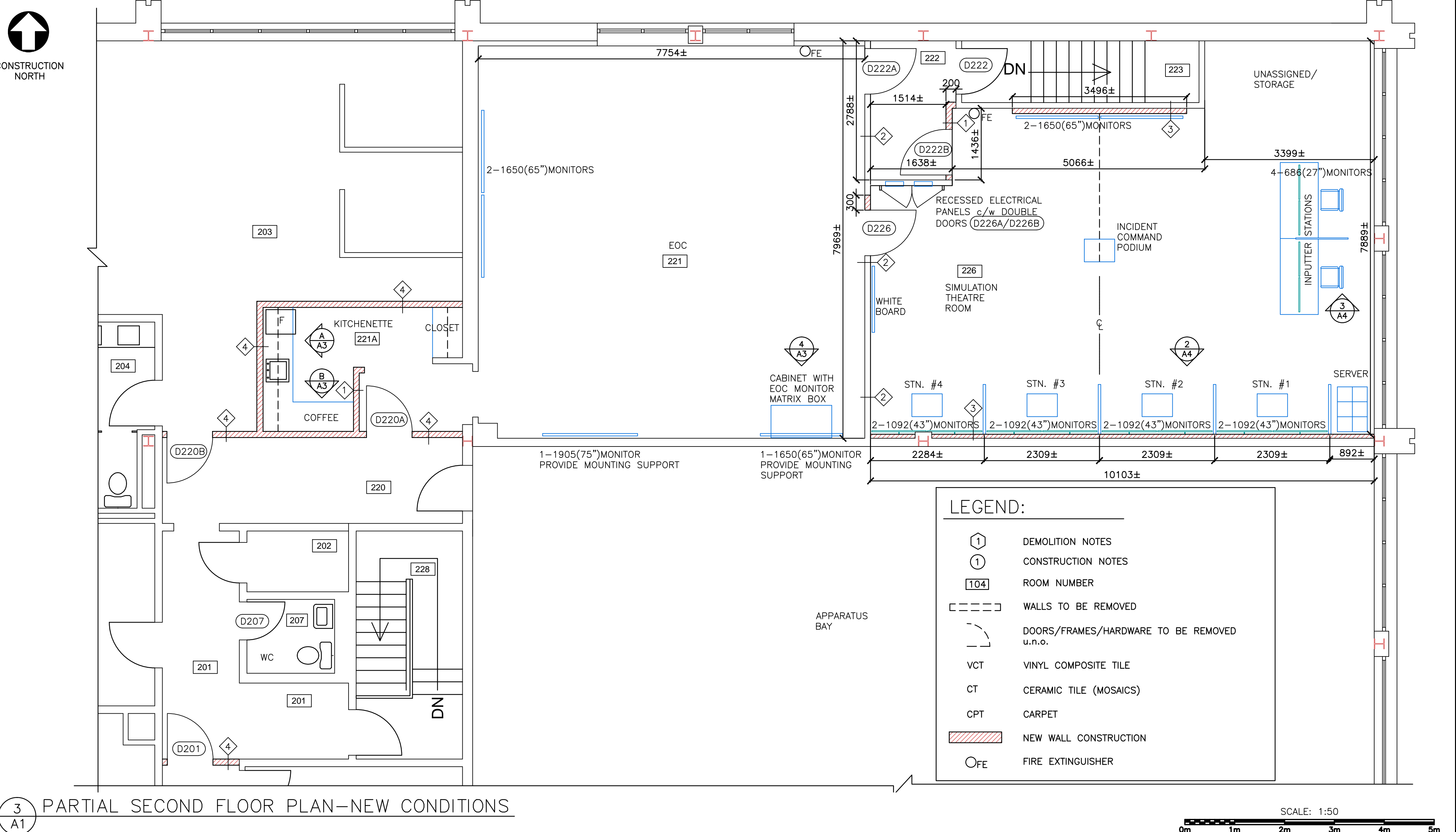
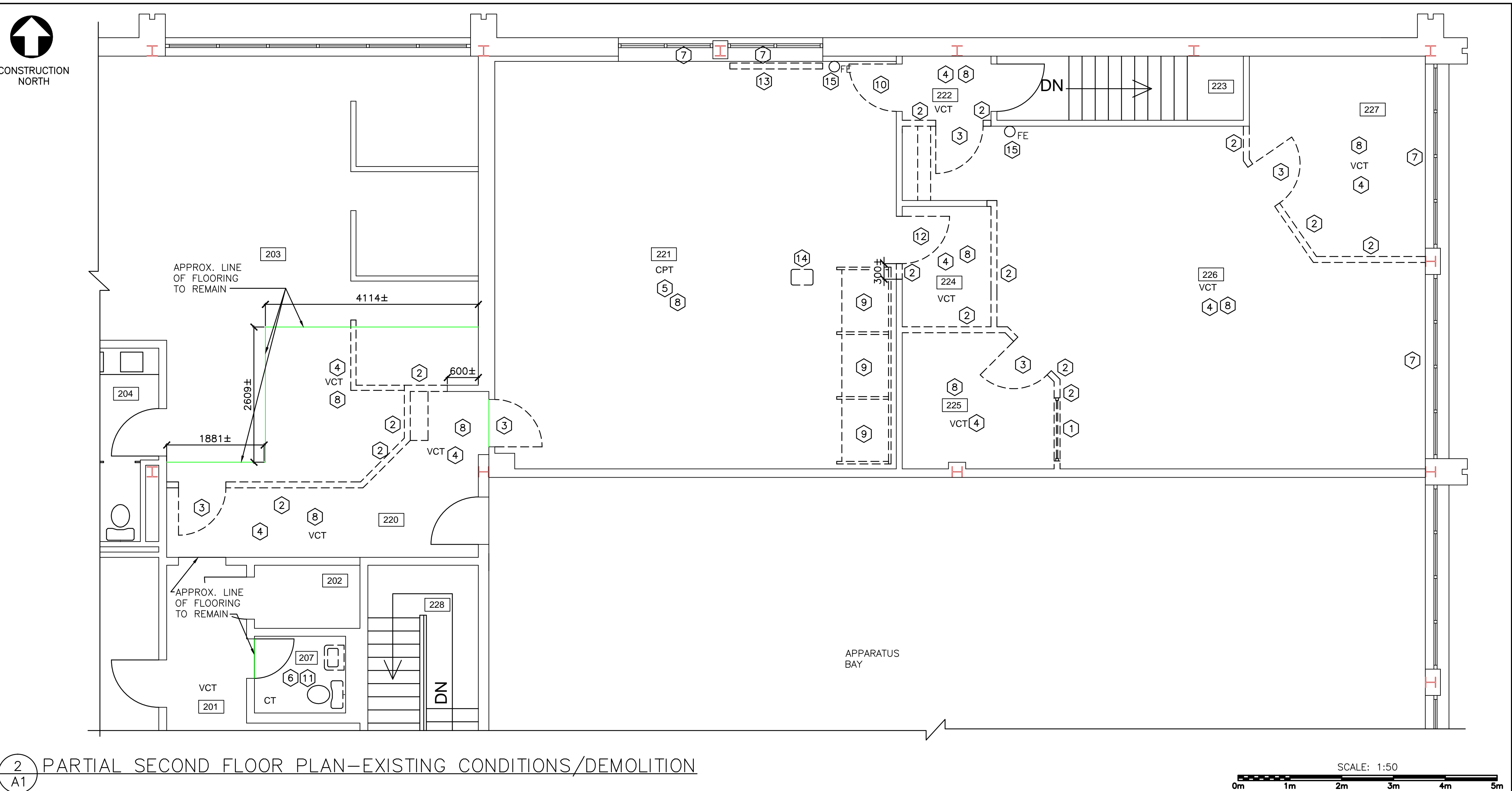
- SCOPE OF WORK INCLUDES, BUT IT NOT NECESSARILY LIMITED TO:
- REMOVAL/PROVISION OF NEW WALLS
 - REMOVAL/PROVISION OF NEW DOORS/FRAMES/HARDWARE
 - REMOVAL/PROVISION OF NEW FLOORING AND BASE
 - REMOVAL/PROVISION OF NEW CEILING GRID AND TILES
 - REMOVAL/PROVISION OF NEW WASHROOM FIXTURES/ACCESSORIES
 - PROVISION OF NEW WINDOW TREATMENT
 - ASSOCIATED MECHANICAL AND ELECTRICAL

DEMOLITION NOTES:

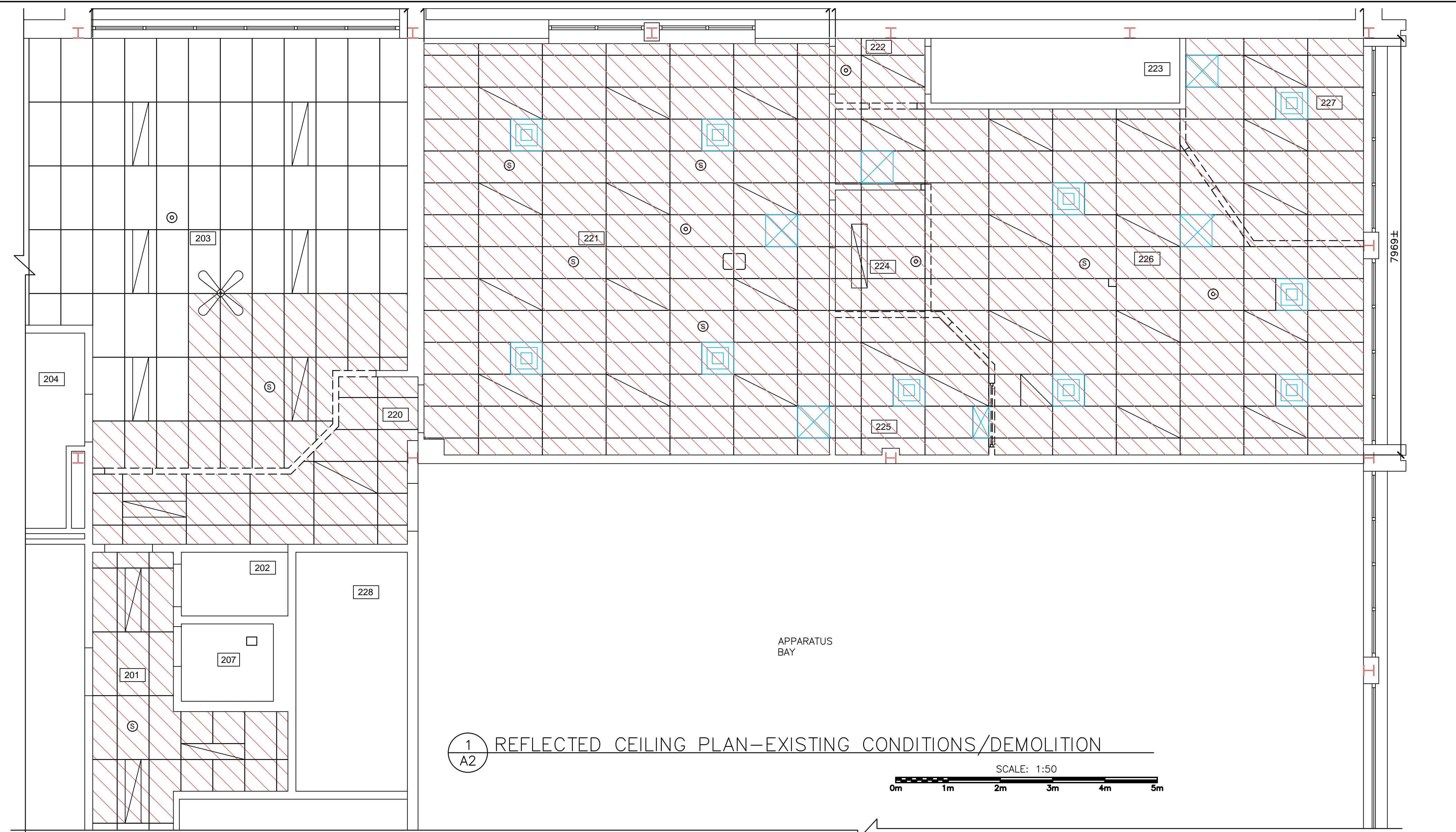
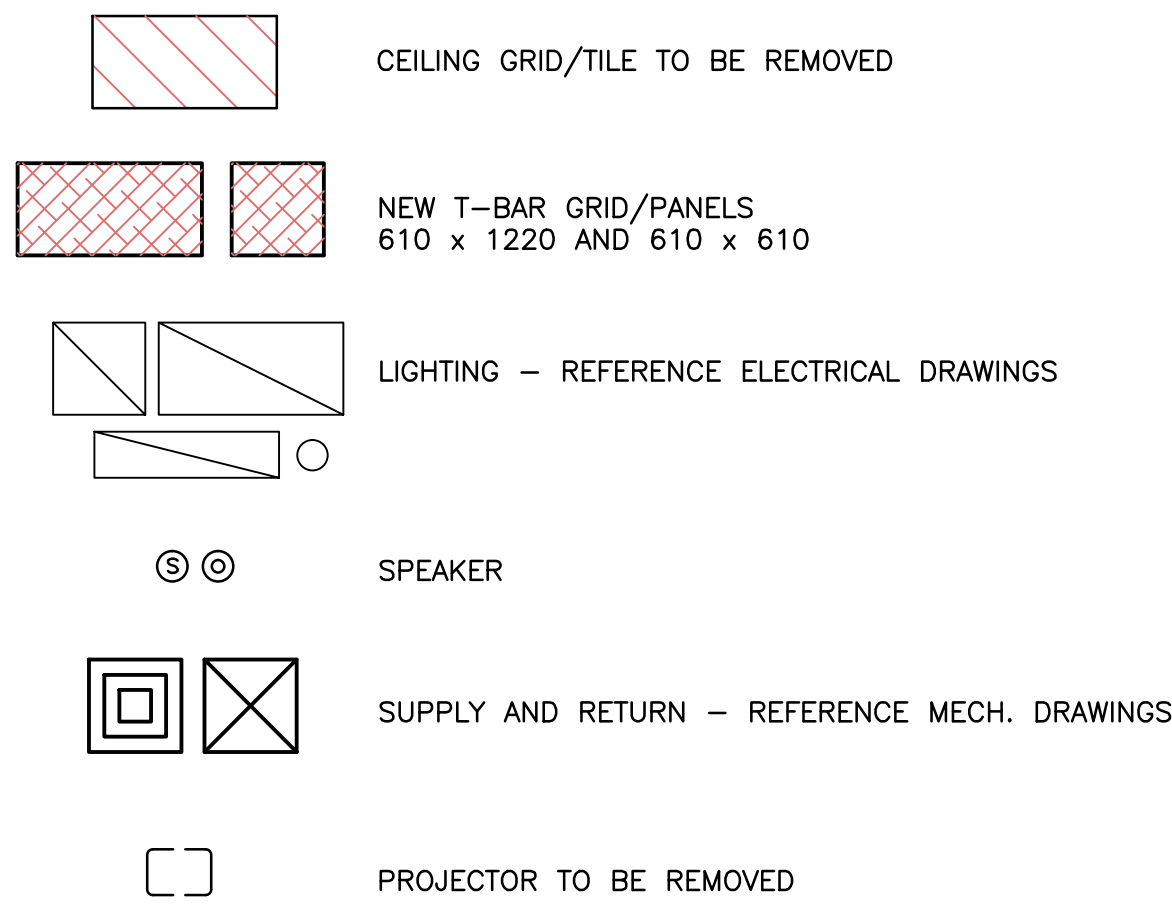
- 1 REMOVE EXISTING IDENTIFIED WINDOW COMPLETE.
- 2 REMOVE EXISTING IDENTIFIED WALLS COMPLETE.
- 3 REMOVE EXISTING IDENTIFIED DOORS/FRAMES AND ASSOCIATED HARDWARE.
- 4 REMOVE IDENTIFIED VCT FLOORING c/w ASSOCIATED WALL BASE.
- 5 REMOVE IDENTIFIED CARPET c/w ASSOCIATED WALL BASE.
- 6 REMOVE IDENTIFIED MOSAIC CERAMIC TILE FLOORING c/w ASSOCIATED CERAMIC BASE.
- 7 REMOVE EXISTING WINDOW TREATMENT ON ALL WINDOWS LOCATED IN AREA OF WORK.
- 8 REMOVE EXISTING IDENTIFIED CEILING TILES AND GRID c/w CEILING INSULATION.
- 9 EXISTING 3 CUBICLES TO BE DISMANTLED AND TURNED OVER TO OWNER.
- 10 EXISTING IDENTIFIED DOOR TO BE CAREFULLY REMOVED c/w HARDWARE, DOOR FRAME TO REMAIN, MODIFIED DOOR, FRAME, AND HARDWARE TO SUIT NEW DOOR SWING.
- 11 EXISTING WASHROOM FIXTURES AND ASSOCIATED ACCESSORIES ARE TO BE REMOVED COMPLETE. PATCH/REPAIR WALLS GOOD TO EXISTING.
- 12 EXISTING IDENTIFIED DOOR TO BE CAREFULLY REMOVED c/w FRAME AND HARDWARE. REINSTALL TO NEW LOCATION.
- 13 CAREFULLY REMOVE EXISTING RETRACTABLE PROJECTOR SCREEN AND TURN OVER TO OWNER.
- 14 CAREFULLY REMOVE EXISTING CEILING PROJECTOR c/w MOUNTING UNIT/ACCESSORIES AND TURN OVER TO OWNER.
- 15 EXISTING FIRE EXTINGUISHERS IN AREA OF WORK ARE TO BE CAREFULLY REMOVED, STORED ON SITE AND REINSTALLED FOLLOWING NEW WORK.
- 16 REFERENCE SPECIFICATION SECTION 02 41 99 DEMOLITION FOR MINOR WORKS. COORDINATE ALL DEMOLITION WITH MECHANICAL/ELECTRICAL.

CONSTRUCTION NOTES:

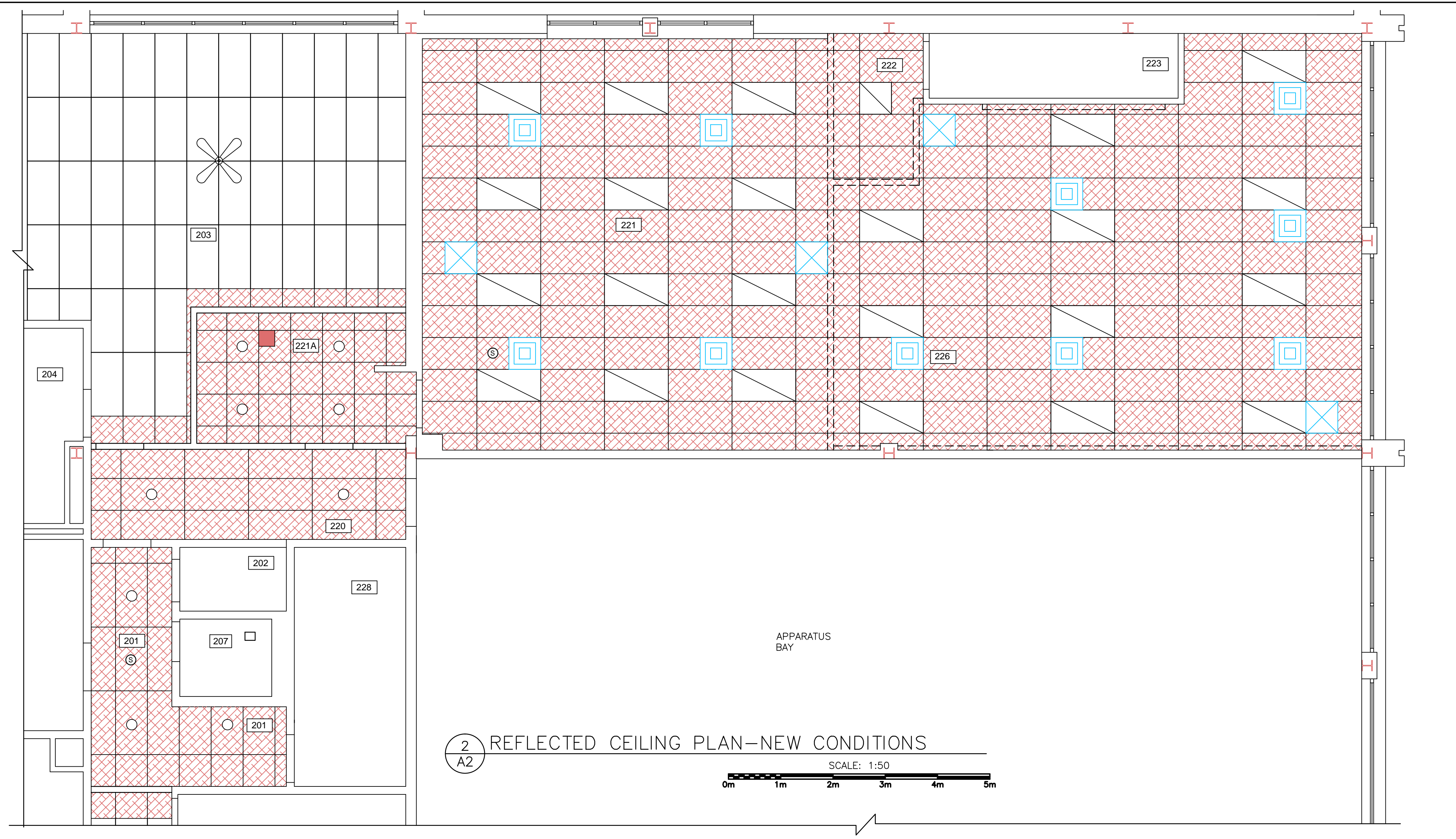
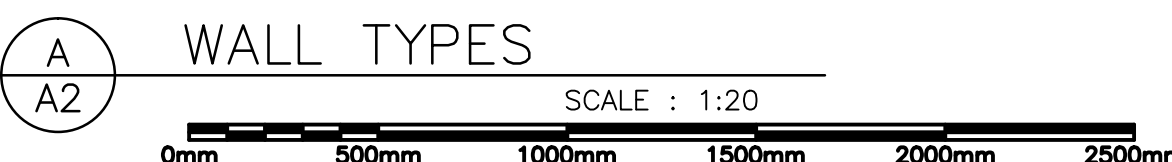
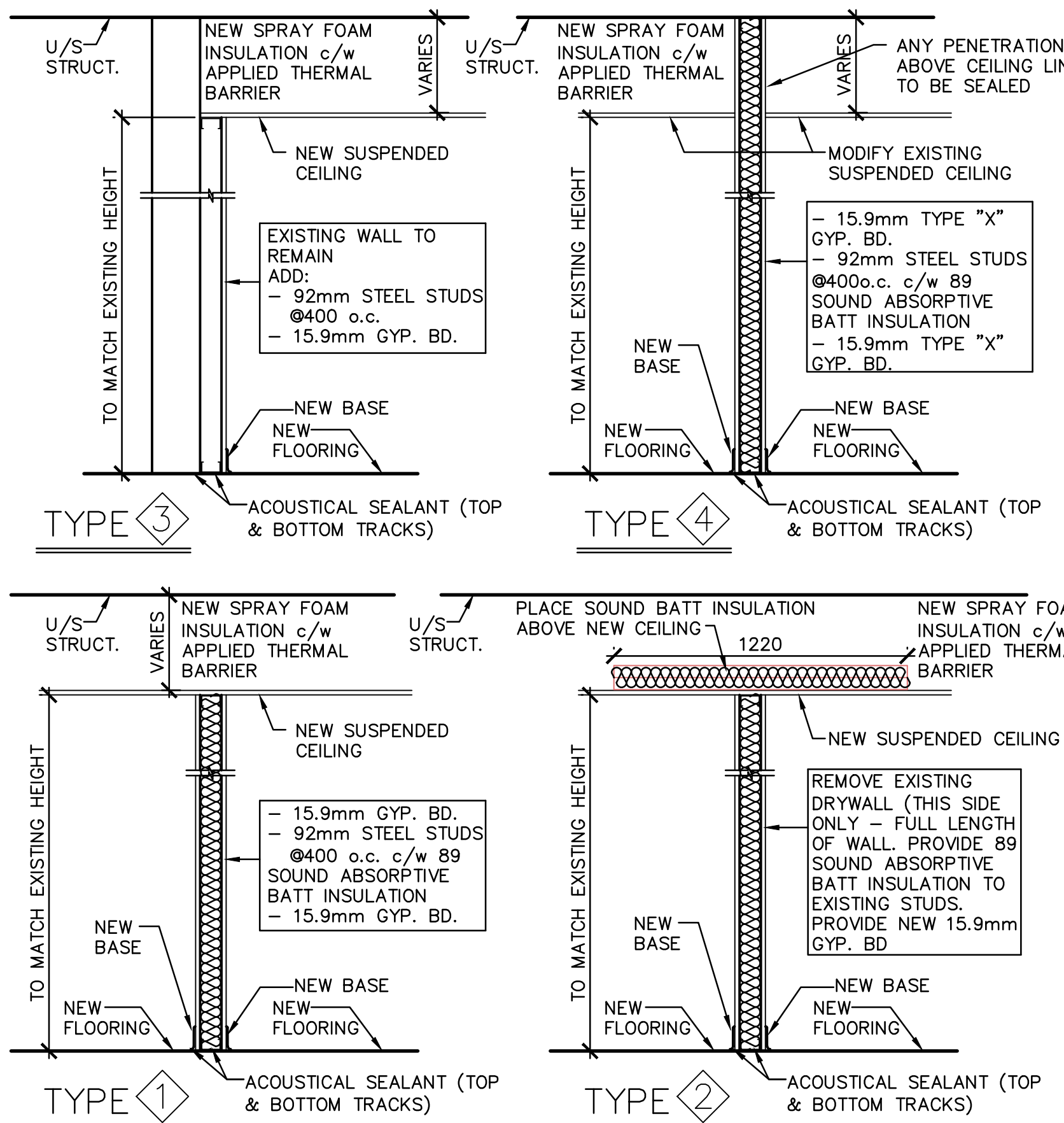
- 1 PROVIDE NEW WALLS AS DESCRIBED IN WALL TYPES AND SPEC. SECTION 09 21 99. CRACKFILL, SAND, PRIME, AND PAINT WITH MIN. 3 FINISH COATS. REFERENCE SPEC. SECTION 09 91 99. SUBMIT COLOUR SAMPLES TO ARCHITECT FOR SELECTIONS.
- 2 PROVIDE NEW DOORS/FRAMES/HARDWARE AS DESCRIBED IN DOOR SCHEDULE, DOOR TYPES (DRAWING A3), AND SPEC SECTIONS 08 11 00, 08 14 16, AND 08 71 00. ALL DOORS AND FRAMES IN AREA OF NEW WORK TO BE PAINTED/REPAINTED. COLOURS BY ARCHITECT.
- 3 PROVIDE NEW FLOORING c/w NEW WALL BASE. SEE FLOOR LAYOUT FOR AREAS REQUIRING NEW FLOORING ON DRAWING A4. REFERENCE SPEC. SECTION 09 65 99. SUBMIT SAMPLES TO ARCHITECT FOR SELECTIONS.
- 4 PROVIDE NEW 610x610 AND 610x1220 CEILING GRID AND TILES AT LOCATIONS SHOWN ON DRAWING A2. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS. REFERENCE SPECIFICATION SECTION 09 51 99. PROVIDE SPRAY FOAM INSULATION c/w APPLIED THERMAL BARRIER ABOVE ALL NEW CEILING TILES. PROVIDE SOUND BATT INSULATION ABOVE WALL TYPE #2. REFERENCE SPECIFICATION SECTION 07 21 16 AND 07 21 29.
- 5 WASHROOM 207 - PROVIDE NEW WASHROOM FIXTURES. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS. PROVIDE NEW WASHROOM ACCESSORIES AS DESCRIBED IN SPECIFICATION SECTIONS 10 28 10 AND 10 14 00.
- 6 EXISTING WINDOWS IN AREA OF NEW WORK ARE TO BE c/w NEW WINDOW TREATMENT. REFERENCE SPECIFICATION 12 21 16. SITE DIMENSIONS REQUIRED PER EACH WINDOW.
- 7 CONSTRUCT NEW KITCHENETTE c/w SINGLE SINK AND REFRIGERATOR. REFERENCE SPEC. SECTIONS 06 20 00, 06 40 00, AND 06 47 00.
- 8 PROVIDE NEW SHELF AND COAT ROD FOR NEW CLOSET.
- 9 ENSURE ADEQUATE STRUCTURAL SUPPORT IN WALLS TO TAKE THE WEIGHT OF ALL MONITORS. TYPICAL. EXACT LOCATIONS OF MONITORS TO BE DETERMINED ON SITE WITH OWNER.
- 10 EXISTING DOOR D226 c/w ASSOCIATED FRAME AND HARDWARE TO BE REINSTALLED GOOD TO EXISTING. REFERENCE NEW CONDITIONS FLOOR PLAN FOR NEW LOCATION. REPAINT DOOR AND FRAME, COLOUR BY ARCHITECT.
- 11 CONSTRUCT NEW TECTUM WALL PANELS LOCATED BETWEEN STATIONS IN SIMULATION THEATRE ROOM. PROVIDE PLEXIGLAS SNEEZ GUARD REQUIRED AT INPUTTER STATIONS. REFERENCE DETAILS ON DRAWING A4.



LEGEND:



NOTES:
1. ALL GYPSUM BOARD WALLS ARE TO BE TAPED, CRACKFILLED, SANDED SMOOTH, PRIMED, AND PAINTED WITH MINIMUM 3 FINISH COATS. REFERENCE SPECIFICATION SECTION 09 91 99 FOR PAINTING. COLOURS BY ARCHITECT.
2. ANY PENETRATIONS ABOVE CEILING LINE ARE TO BE SEALED.
3. PROVIDE INSULATION ABOVE NEW CEILINGS. REFERENCE SPEC. SECTION 07 21 16.
4. INSTALL DOUBLE BEAD OF ACOUSTICAL SEALANT AT TOP AND BOTTOM TRACKS OF ALL WALLS.
5. ALL OPENINGS/PENETRATIONS IN FIRE RATED WALLS TO BE FIRE STOPPED. MECHANICAL PENETRATIONS TO BE SHUTTERED.



Mechanical Consultant:

Electrical Consultant:

No.	Revision	Date
0	ISSUED FOR TENDER	OCT. 5, 2020

Project Title:

CAER

**CITY OF SAINT JOHN
FIRE STATION NO.1**

45 LEINSTER ST.,
SAINT JOHN, NB

Drawing Title:

**REFLECTED CEILING PLAN
- EXISTING AND
NEW CONDITIONS
& DETAILS**

Designed By: MRR	Revision No.
Approved By: MRR	Job No.: 29042
Drawn By: LAG	Date: AUGUST 2020

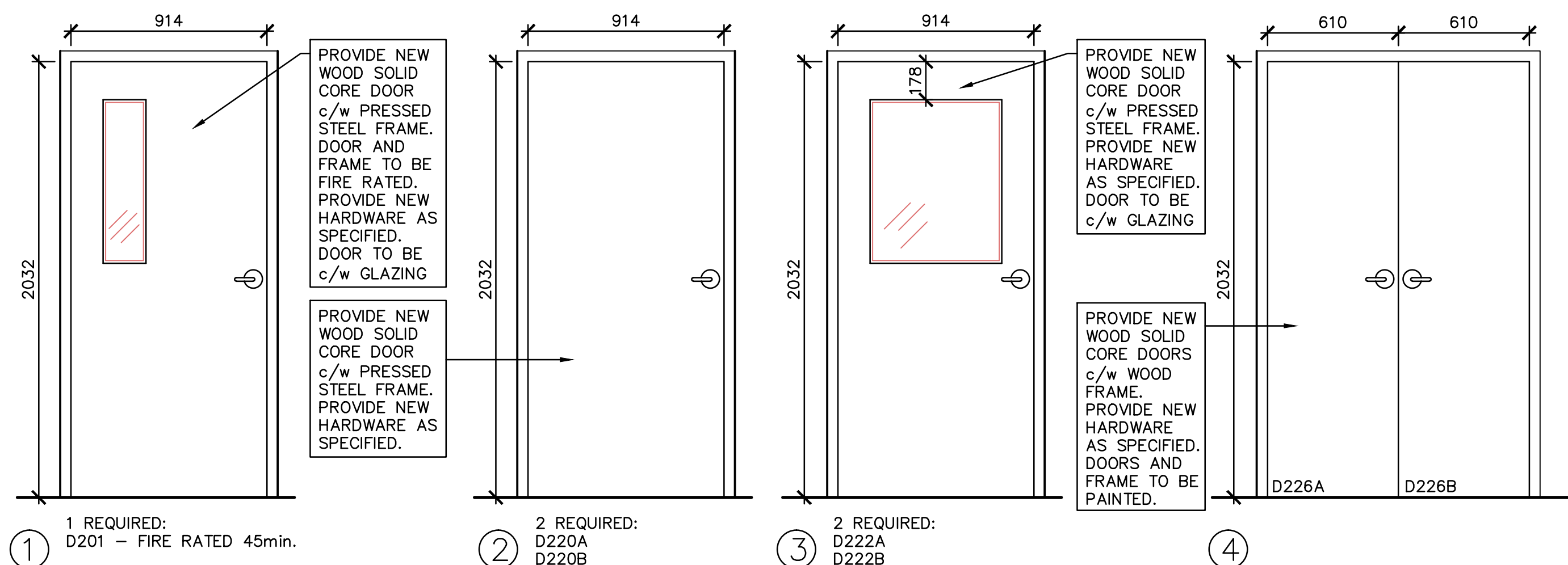
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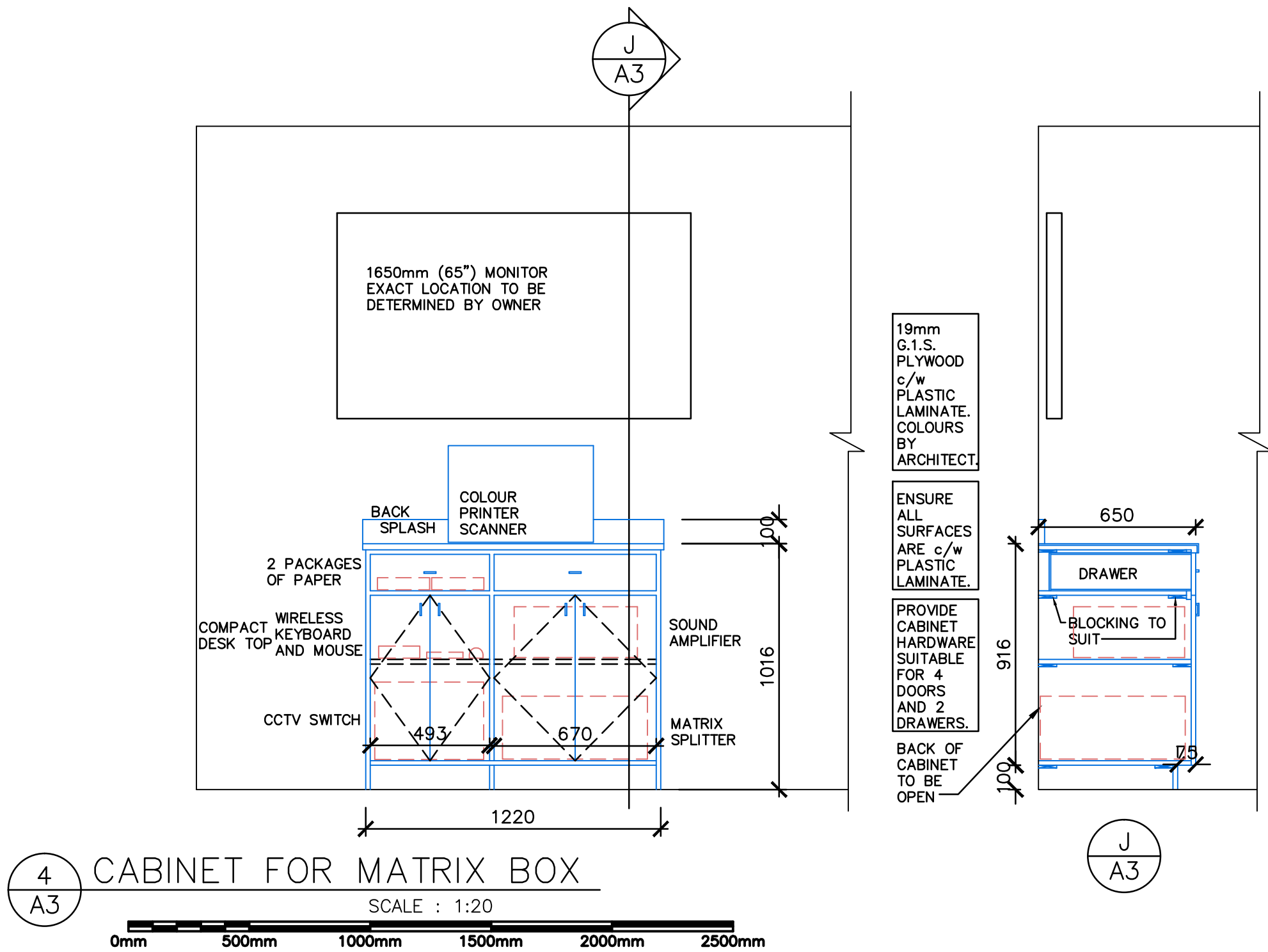
A-2

FINISH SCHEDULE										
SYMBOL	ROOM NAME	FLOORING		BASE		WALLS				CEILING
		EXISTING	NEW	EXISTING	NEW	EAST	SOUTH	WEST	NORTH	
D201	CORRIDOR	VCT	EX	VB	EX	EX	GB/P-B/S	EX	EX	TBAR 610x1220
D203	LOCKER ROOM	VCT/R	EX	VB	EX	EX	GB/P	EX	EX	TBAR - MOD
D207	W/C	CT/R	SF	CT/R	VB	EX/RP	EX/RP	EX/RP	EX/RP	GB -EX/RP
D220	CORRIDOR	VCT/R	SF	VB/R	VB	EX/RP	EX/RP	EX/RP	GB/P	TBAR 610x1220
D221	EOC	CPT/R	SF	CPT/R	VB	EX/RP	EX/RP	EX/RP	EX/RP	TBAR 610x1220
D221A	KITCHENETTE	VCT/R	SF	VB/R	VB	GB/P	GB/P	GB/P	GB/P	TBAR 610x610
D222	VESTIBULE	VCT/R	SF	VB/R	VB	GB/P	EX/RP	EX/RP	EX/RP	TBAR 610x1220
D223	STAIRS	EX	EX	EX	EX	EX	EX	EX	EX	EX
D226	SIMULATION THEATRE ROOM	VCT/R	SF	VB/R	VB	EX/RP	GB/P	EX/RP	EX/RP	TBAR 610x1220

DOOR SCHEDULE						
SYMBOL	QTY	SIZE	DESCRIPTION	TYPE	FRAME	HARDWARE
D201	1	914mm x 2032mm	NEW WOOD SOLID CORE DOOR c/w GLAZING. FIRE RATED 45 min. PAINT.	①	NEW FIRE RATED PRESSED STEEL FRAME(PAINT)	NEW HARDWARE SEE SPECIFICATION SECTION 08 71 00
D207	1	760mm± x 2032mm±	EXISTING DOOR TO REMAIN. RE-PAINT.	EXISTING	EXISTING FRAME TO REMAIN. RE-PAINT.	EXISTING HARDWARE TO REMAIN
D220A	1	914mm x 2032mm	NEW WOOD SOLID CORE DOOR. PAINT.	②	NEW PRESSED STEEL FRAME(PAINT)	NEW HARDWARE SEE SPECIFICATION SECTION 08 71 00
D220B	1	914mm x 2032mm	NEW WOOD SOLID CORE DOOR. PAINT.	②	NEW PRESSED STEEL FRAME(PAINT)	NEW HARDWARE SEE SPECIFICATION SECTION 08 71 00
D222	1	914mm± x 2032mm±	EXISTING DOOR TO REMAIN. RE-PAINT.	EXISTING	EXISTING FRAME TO REMAIN. RE-PAINT.	EXISTING HARDWARE TO REMAIN
D222A	1	914mm x 2032mm	NEW WOOD SOLID CORE DOOR. PAINT.	③	NEW PRESSED STEEL FRAME(PAINT)	NEW HARDWARE SEE SPECIFICATION SECTION 08 71 00
D222B	1	914mm x 2032mm	NEW WOOD SOLID CORE DOOR. PAINT.	③	NEW PRESSED STEEL FRAME(PAINT)	NEW HARDWARE SEE SPECIFICATION SECTION 08 71 00
D226	1	914mm± x 2032mm±	EXISTING DOOR TO BE REMOVED AND REINSTALLED TO NEW LOCATION. RE-PAINT.	EXISTING	EXISTING FRAME TO BE REMOVED AND REINSTALLED AT NEW LOCATION. RE-PAINT.	EXISTING HARDWARE TO BE REMOVED AND REINSTALLED AT NEW LOCATION.
D226A	2	610mm x 2032mm±	NEW WOOD SOLID CORE DOORS. PAINT.	④	NEW WOOD FRAME PAINTED	NEW HARDWARE SEE SPECIFICATION SECTION 08 71 00



1 DOOR TYPES
SCALE : 1:20



4 CABINET FOR MATRIX BOX
SCALE : 1:20

LEGEND:

GB GYPSUM BOARD

R EXISTING TO BE REMOVED (SEE FLOOR PLAN FOR LIMITS OF FLOORING TO BE REMOVED)

EX EXISTING TO REMAIN

VB VINYL BASE

B/S BOTH SIDES

P PAINT

MOD MODIFY

VCT VINYL COMPOSITE TILE

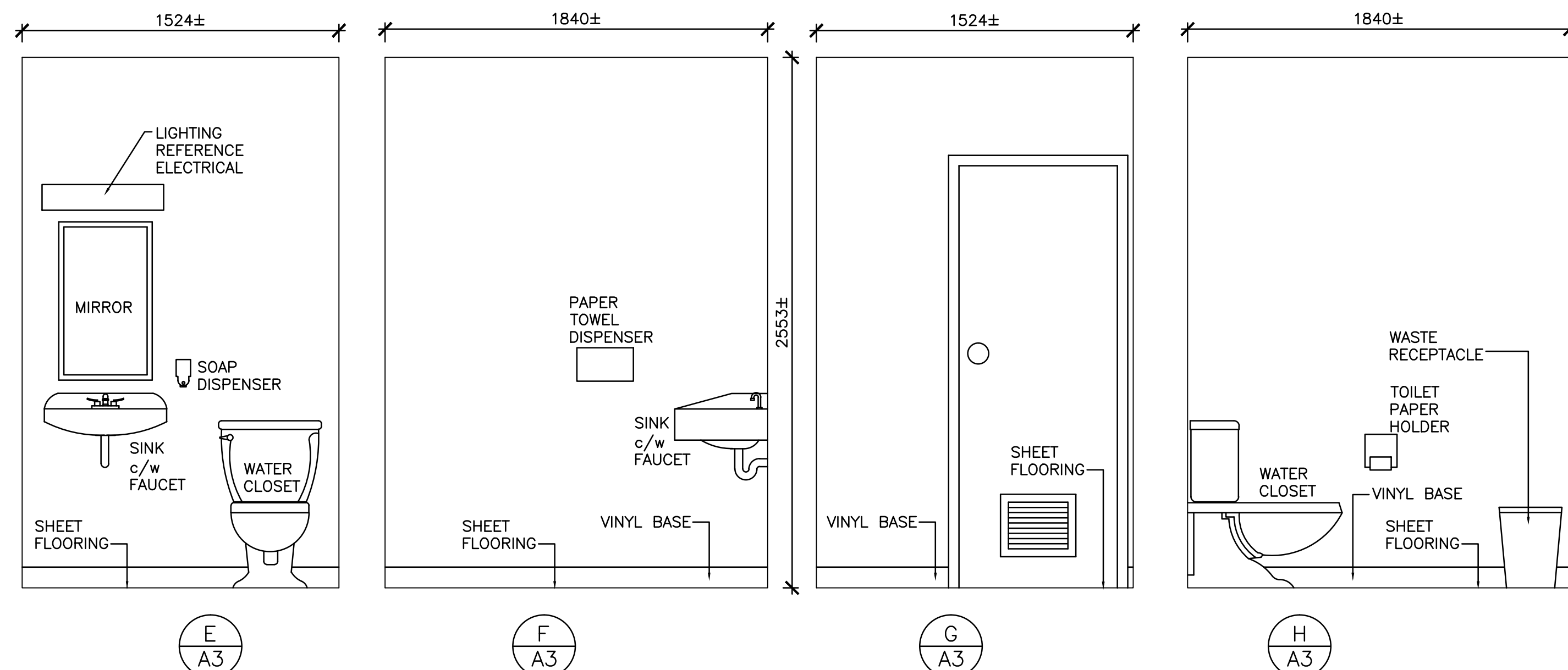
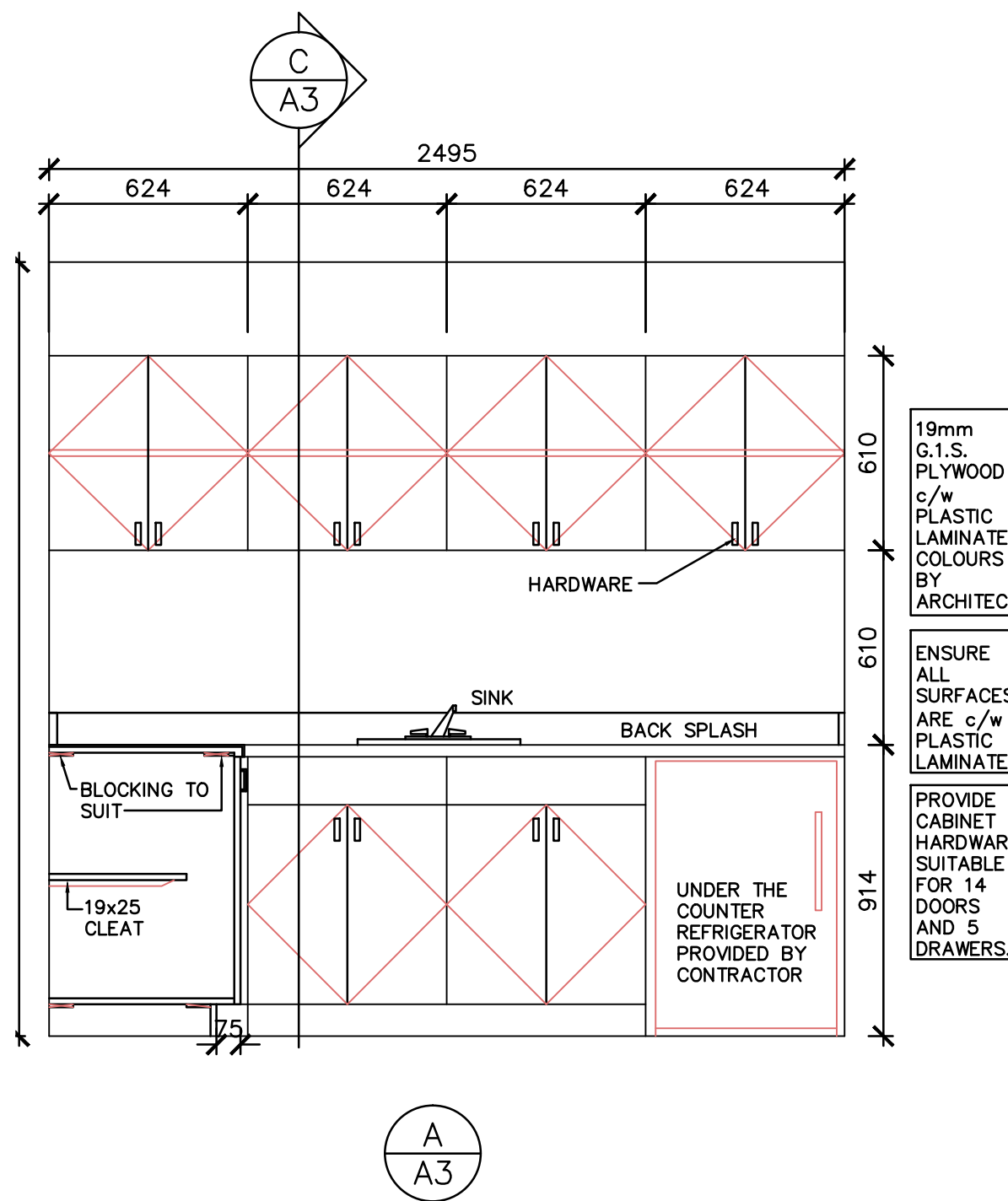
CT CERAMIC TILE

RP RE-PAINT

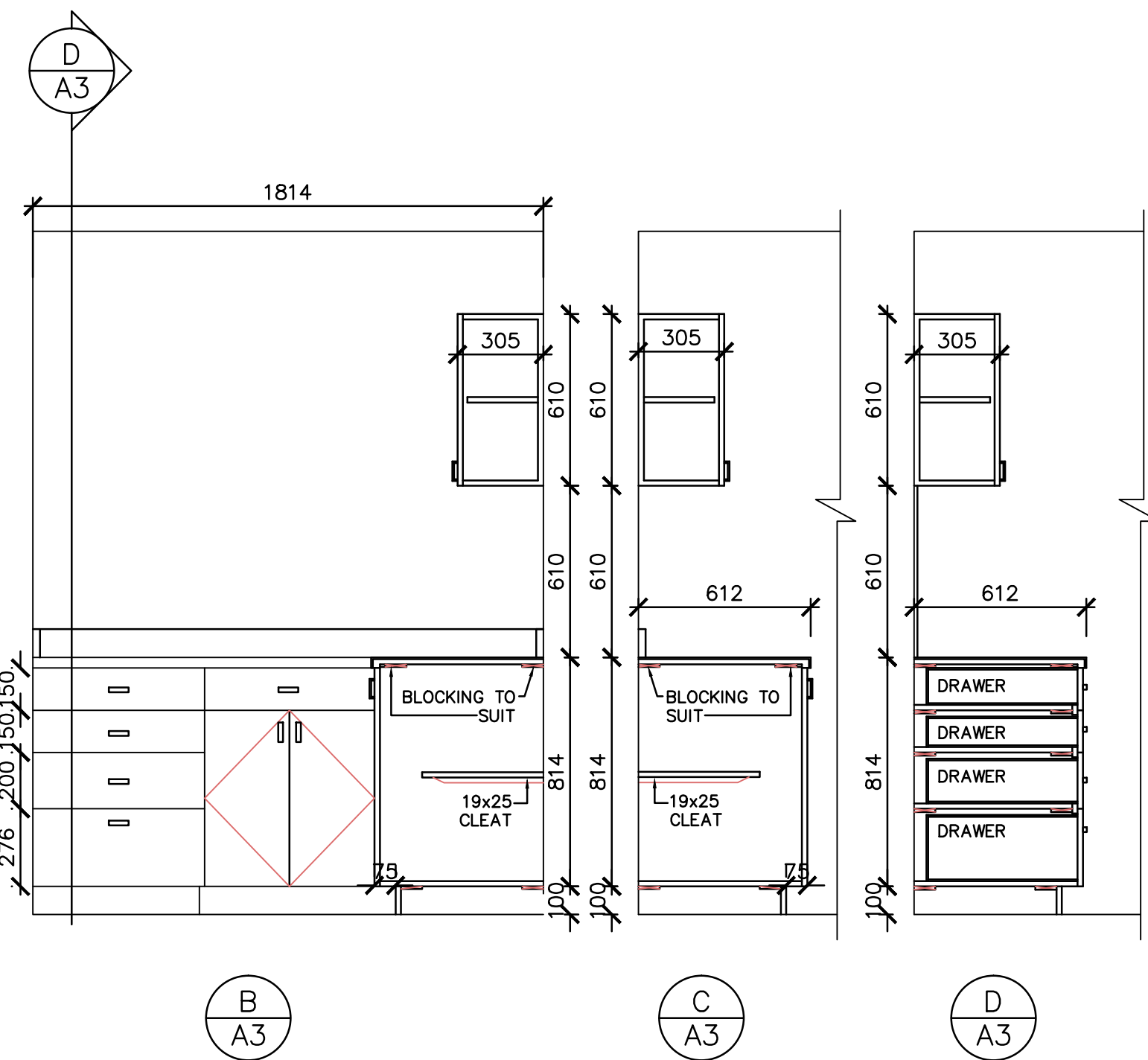
TBAR ACOUSTIC TILE CEILING

SF SHEET FLOORING

2 KITCHENETTE 221A
SCALE : 1:20



3 WASHROOM 207
SCALE : 1:20



Mechanical Consultant:

Electrical Consultant:

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CAER

CITY OF SAINT JOHN
FIRE STATION NO.1

45 LEINSTER ST.,
SAINT JOHN, NB

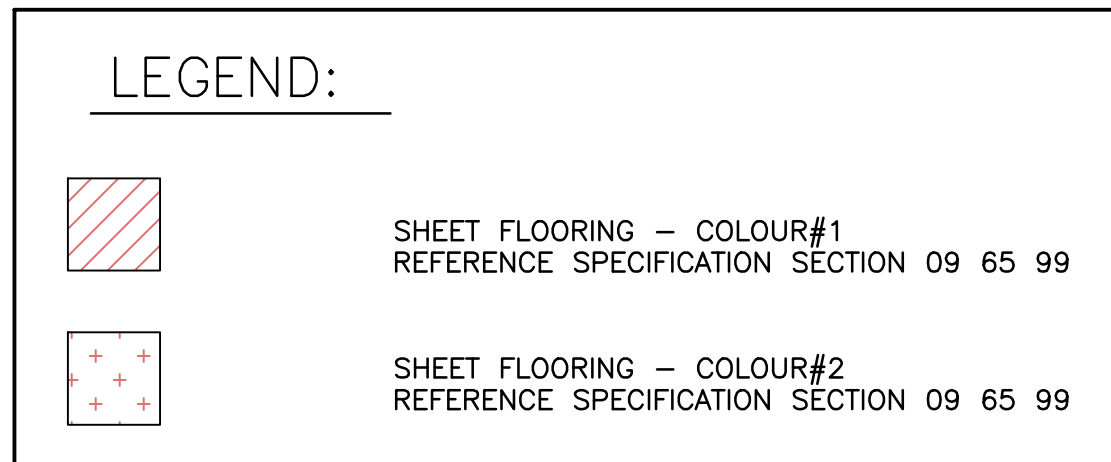
Drawing Title:

INTERIOR ELEVATIONS
& DETAILS

Designed By: MRR	Revision No.
Approved By: MRR	Job No.: 29042
Drawn By: LAG	Date: AUGUST 2020
Scale: AS NOTED	

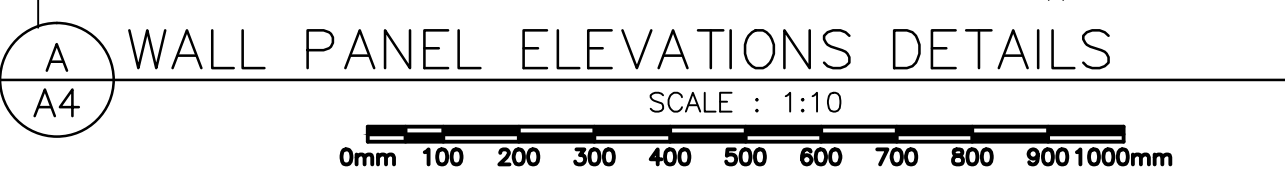
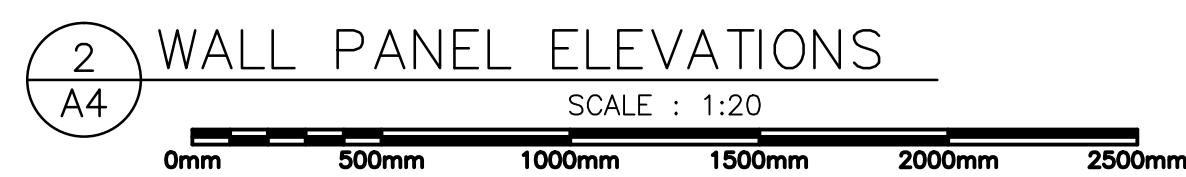
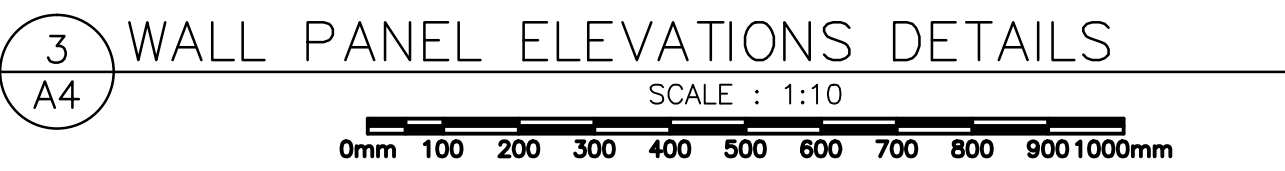
Drawing No.:

A-3



SCALE: 1:50

A horizontal scale bar with a dashed line from 0m to 1m and solid lines for the rest. It is marked with 0m, 1m, 2m, 3m, 4m, and 5m.



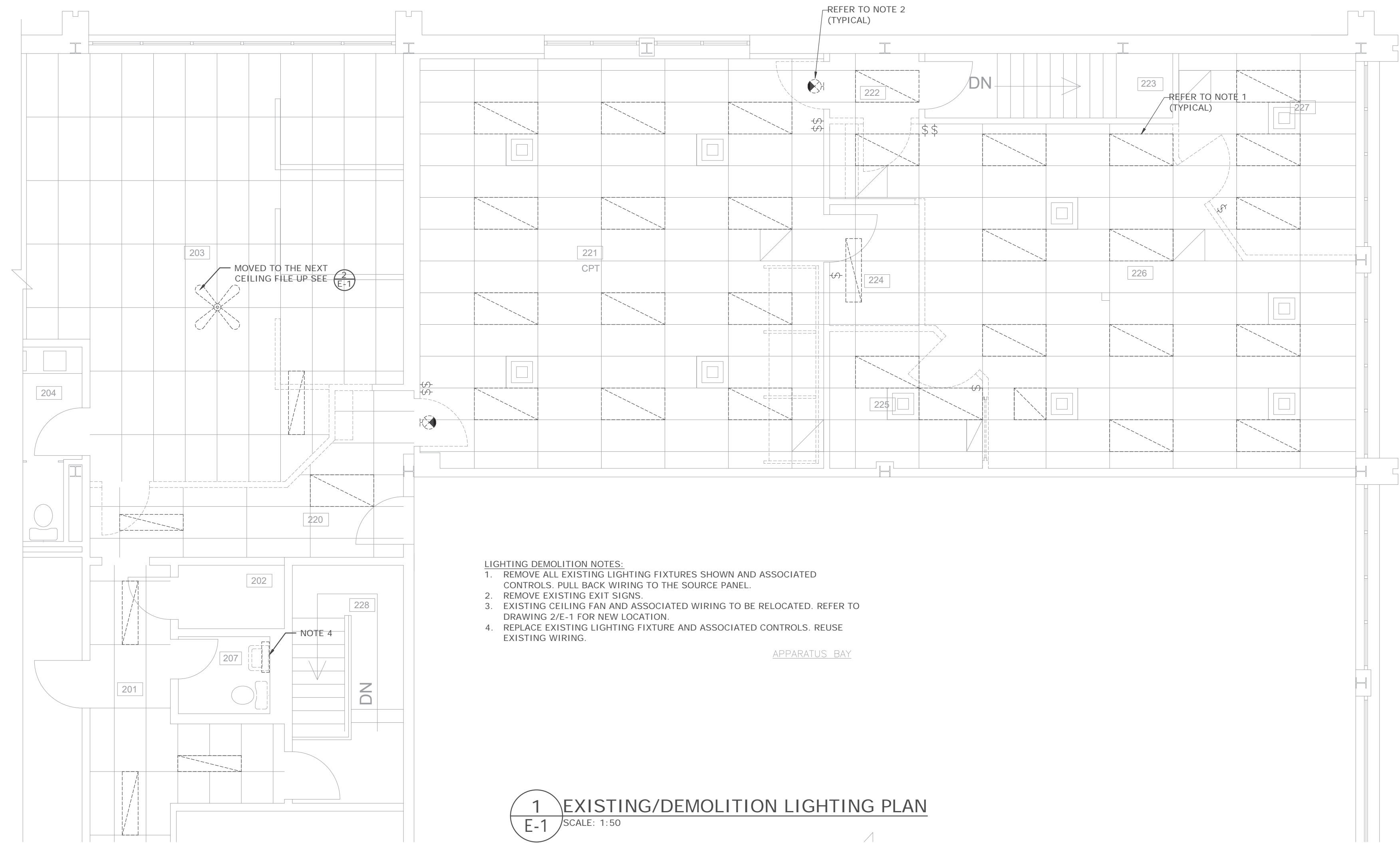
Electrical Consultant:

CAER

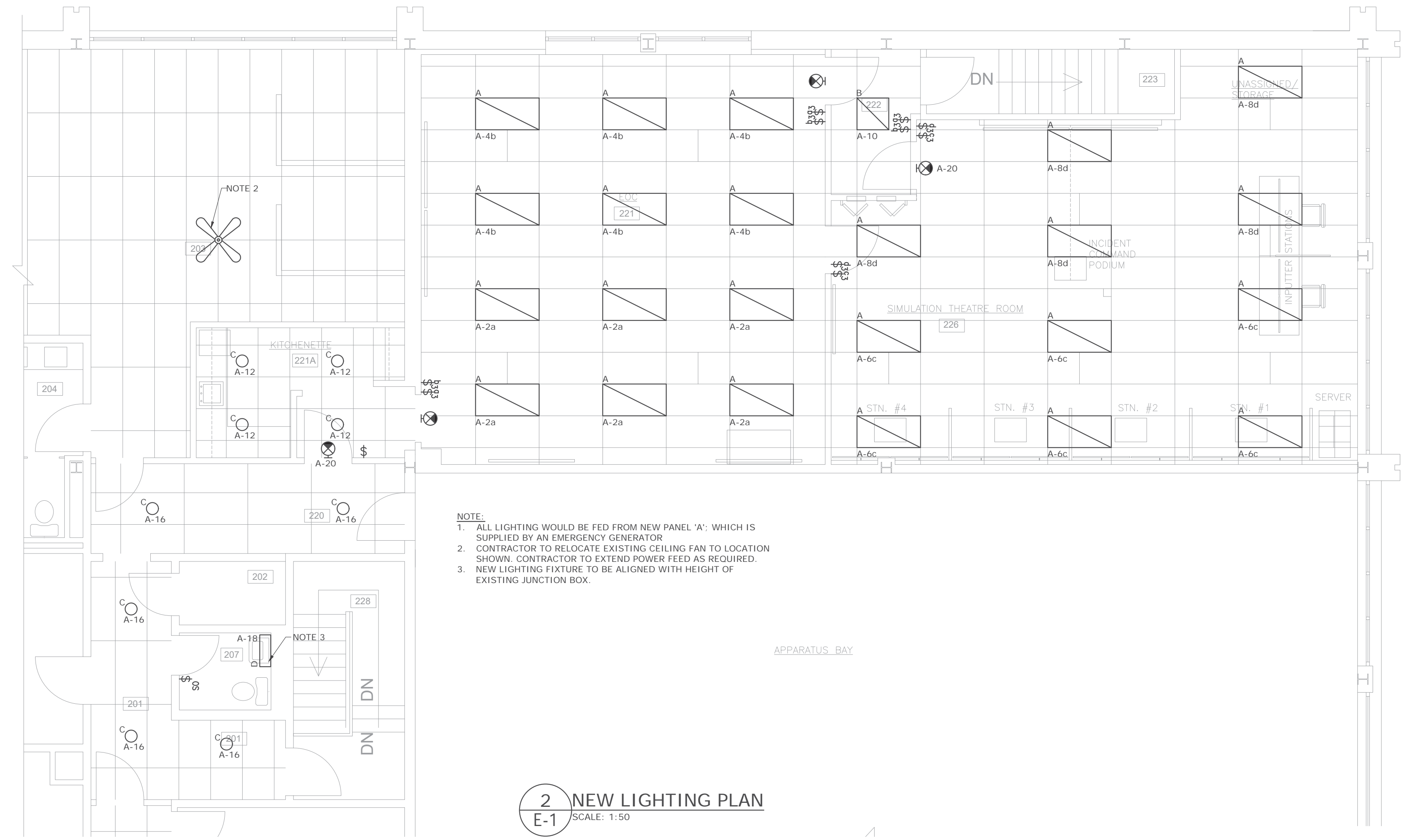
45 LEINSTER ST.,
SAINT JOHN, NB

Designed By: MRR	Revision No.
Approved By: MRR	Job No.: 29042
Drawn By: LAG	Date: SEPTEMBER 2020
Scale: AS NOTED	

A-4



1
E-1 EXISTING/DEMOLITION LIGHTING PLAN
SCALE: 1:50



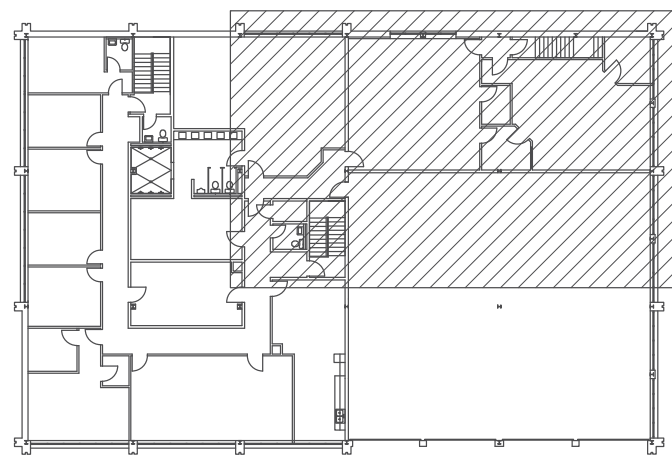
2
E-1 NEW LIGHTING PLAN
SCALE: 1:50

POWER AND COMMUNICATIONS LEGEND	
	15A, 120VAC DUPLEX RECEPTACLE (NEMA 5-15R) G = GFCI
	DEDICATED CIRCUIT RECEPTACLE
	T-SLOT DUPLEX RECEPTACLE (NEMA 5-20RA)
	20A, 120VAC QUADRUPEX RECEPTACLE
	POWER SERVICE POLE
	NEW ELECTRICAL PANEL - RECESSED
	NEW ELECTRIC BASEBOARD HEATER (WATTAGE SHOWN) WITH BUILT-IN ELECTRONIC THERMOSTAT STEPRO BRAVA OR EQUAL
	PROGRAMMABLE THERMOSTAT
	CONNECTRAC MODULE COMPRISING OF - 1 QUAD RECEPTACLE (5-20RA) - 1 DATA OUTLET - 1 VOICE OUTLET - 1 HDMI OUTLET - 1 VGA OUTLET - CABLING OF HDMI/VGA OUTLETS TO THE SERVER - CABLING OF DATA/VOICE OUTLETS TO THE IT ROOM
	CONNECTRAC MODULE COMPRISING OF - 2 DUPLEX RECEPTACLE (5-20RA) - 4 DATA OUTLETS - 2 VOICE OUTLETS - 1 HDMI OUTLET - 1 VGA OUTLET - CABLING OF HDMI/VGA OUTLETS TO THE SERVER - CABLING OF DATA/VOICE OUTLETS TO THE IT ROOM
	CONNECTRAC ON-FLOOR WIREWAY COMPLETE WITH BASE TRACK AND TOP CAP
	WALL BOX COMPRISING OF: - 1 HDMI OUTLET - 1 VGA OUTLET - 1 25mm AUDIO OUTLET - 1 DATA OUTLET - CABLING OF HDMI/VGA OUTLETS TO THE SERVER - CABLING OF DATA/VOICE OUTLETS TO THE IT ROOM
	WALL BOX COMPRISING OF: - 8 HDMI OUTLETS - CABLING OF HDMI OUTLETS TO THE SERVER
	DATA OUTLET COMPLETE WITH BACK BOX, CABLE, AND CONDUIT BACK TO IT ROOM
	CEILING MOUNT WIRELESS ACCESS POINT
	WALL MOUNT CCTV CAMERA
	SINGLE-POLE SWITCH 3 - THREE WAY SWITCH D - DIMMER SWITCH OS - WALL MOUNT OCCUPANCY SENSOR SWITCH

Mechanical/Electrical Consultant:

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KEY PLAN
SCALE: NTS



No.	Revision	Date
0	ISSUED FOR REVIEW	01.SEP.2020
1	ISSUED FOR TENDER	05.OCT.2020

Project Title:

CAER

CITY OF SAINT JOHN
FIRE STATION NO.1

45 LEINSTER ST.,
SAINT JOHN, NB

Drawing Title:

LIGHTING LAYOUT

Designed By: SI	Revision No. 0
Approved By: MAK	Job No.: 14400
Drawn By: SI	Date: AUGUST 2020

Scale: **AS NOTED**

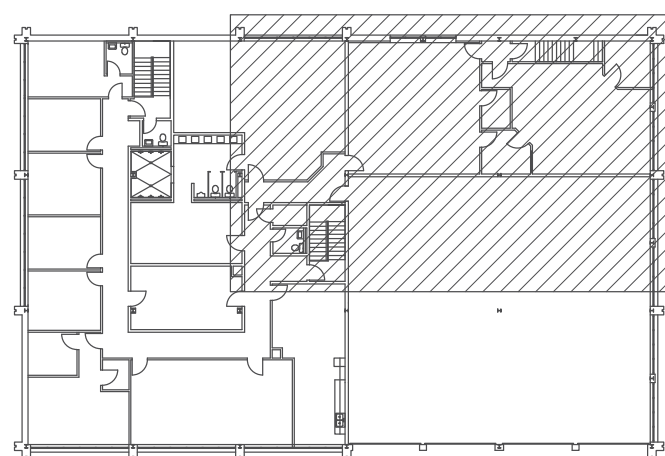
Drawing No.:

E-1

Mechanical/Electrical Consultant:

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SCALE: NTS



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0	ISSUED FOR REVIEW	01.SEP.2020
1	ISSUED FOR TENDER	05.OCT.2020

Project Title:

CAER

CITY OF SAINT JOHN
FIRE STATION NO.1

45 LEINSTER ST.,
SAINT JOHN, NB

Drawing Title:

POWER LAYOUT

Designed By: SI	Revision No. 0
Approved By: MAK	Job No.: 14400
Drawn By: SI	Date: AUGUST 2020

Scale: AS NOTED

Drawing No.:

E-2

NOTES - POWER DEMOLITION	
SYMBOL	DESCRIPTION
1	REMOVE ALL EXISTING WIRING AND DEVICES WITHIN THE AREA. WIRING SHALL BE REMOVED BACK TO SOURCE PANEL AND TURNED OVER TO THE OWNER
2	REMOVE EXISTING PANELBOARD 'B' AND ASSOCIATED WIRING AND PULL BACK TO SOURCE (MAIN DISTRIBUTION PANEL)
3	REMOVE EXISTING PANELBOARD 'A' AND ASSOCIATED WIRING AND PULL BACK TO SOURCE (GENERATOR PANEL)

1
E-2
SCALE: 1:50
EXISTING/DEMOLITION POWER LAYOUT

NOTES - POWER NEW	
SYMBOL	DESCRIPTION
1	NEW PANEL 'A' TO MATCH RATING OF EXISTING PANEL 'A'. REUSE EXISTING FEEDER CABLE FROM SOURCE PANEL (ESSENTIAL PANEL). REUSE BRANCH CIRCUITING WHERE POSSIBLE.
2	NEW PANEL 'B' TO MATCH RATING OF DEMOLISHED PANEL 'B'. REUSE EXISTING FEEDER CABLE AND BRANCH CIRCUITS
3	THERMOSTAT AND LOW VOLTAGE WIRING CONTROL BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL 3" EMT FROM BASEBOARD HEATER TO CORRESPONDING THERMOSTAT.

2
E-2
SCALE: 1:50
NEW POWER LAYOUT

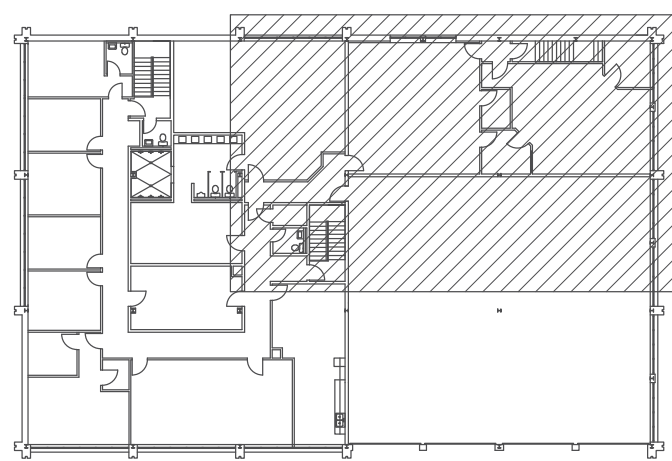
A: Panelboard Data:		B: Panelboard Feeder:	
Panel ID	NEW PANEL 'A'	Panel Supply	-
Manufacturer	-	Feeder O.C. Protection	-
Type	RECESSED	Feeder Conductors	-
Mounting	WALL	Feeder Conduit	-
Voltage	120/208		
Phase	3	C: Panelboard Loads:	
Phase (Amps)	100	Total Phase A	5190 w
Int. Capacity	10	Total Phase B	4780 w
Number Circuits	30	Total	9970 w
LABEL	DIRECTORY	Amps	47.93 a
Panel to be c/w:			

Load	Watt	C.B.	P	Cct #	Ph	Cct #	P	C.B.	Watt	Load
RECEPTACLES - EOC	900	15A	1	1	A	2	1	15A	300	LIGHTS - EOC
RECEPTACLES - EOC	540	15A	1	3	B	4	1	15A	300	LIGHTS - EOC
RECEPTACLES - SIMULATION THEATRE	540	15A	1	5	A	6	1	15A	300	LIGHTS - SIMULATION THEATRE
RECEPTACLES - SIMULATION THEATRE	720	15A	1	7	B	8	1	15A	300	LIGHTS - SIMULATION THEATRE
RECEPTACLES - SIMULATION THEATRE	540	20A	1	9	A	10	1	15A	100	LIGHTS - CORRIDOR
RECEPTACLES - SIMULATION THEATRE	720	20A	1	11	B	12	1	15A	100	LIGHTS - KITCHENETTE
RECEPTACLES - SIMULATION THEATRE	720	20A	1	13	A	14	1	15A	400	RECEPTACLES - SIMULATION THEATRE
RECEPTACLES - EOC	720	20A	1	15	B	16	1	15A	200	LIGHTS - CORRIDOR
RECEPTACLES - KITCHENETTE	180	15A	1	17	A	18	1	15A	50	LIGHTS - BATHROOM (ROOM 207)
RECEPTACLE - FRIDGE	360	15A	1	19	B	20	1	15A	100	EXIT LIGHTS
GFI RECEPTACLES - KITCHENETTE	800	15A	1	21	A	22	1	15A	0	SPARE
RECEPTACLES - SIMULATION THEATRE	720	20A	1	23	B	24	1	15A	0	SPARE
RECEPTACLES - SIMULATION THEATRE	360	20A	1	25	A	26	1	15A	0	SPARE
SPARE	0	15A	1	27	B	28	1	15A	0	SPARE
SPARE	0	15A	1	29	A	30	1	15A	0	SPARE

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KEY PLAN
SCALE: NTS



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0	ISSUED FOR REVIEW	01.SEP.2020
1	ISSUED FOR TENDER	05.OCT.2020

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FIRE STATION NO.1

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Drawing Title:

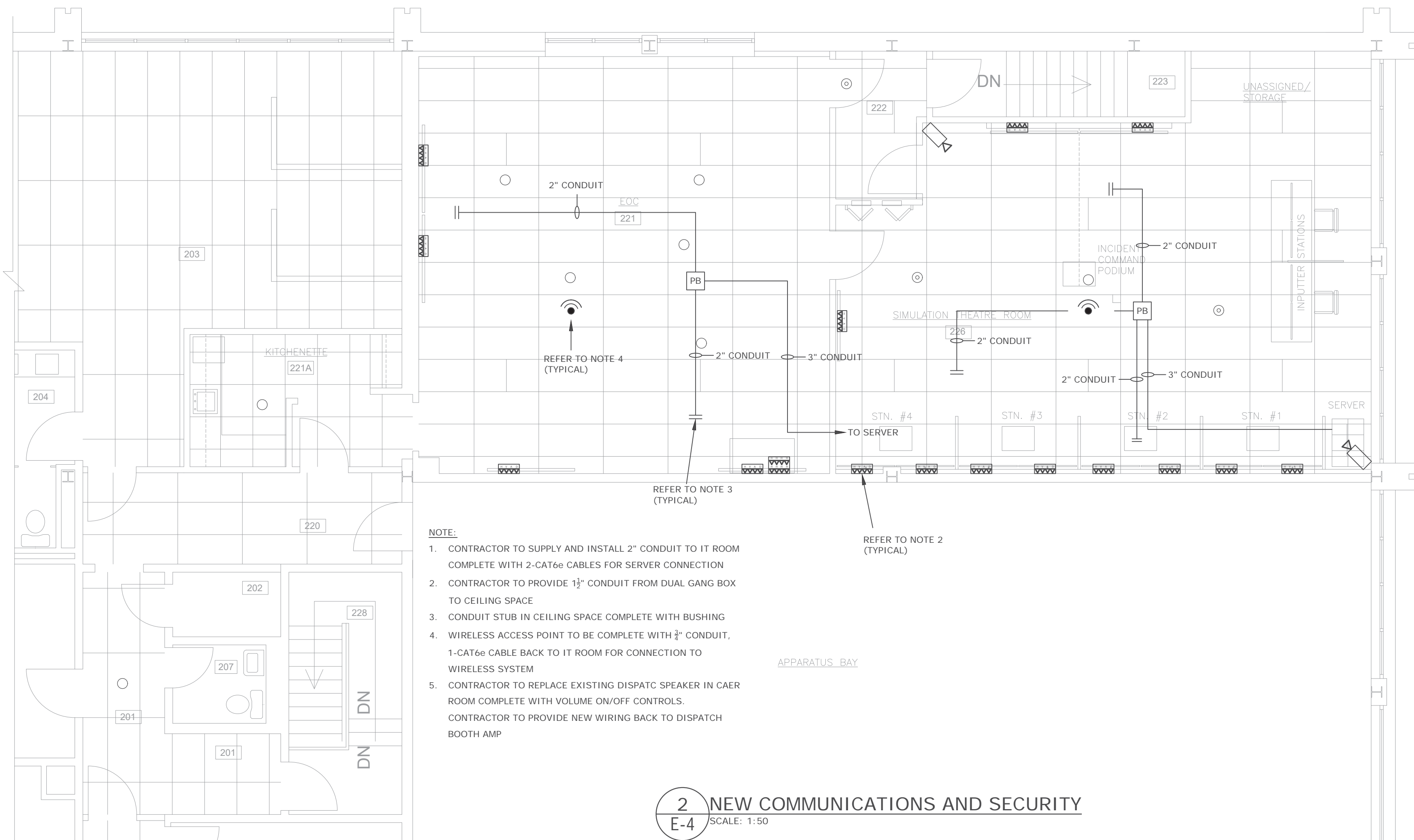
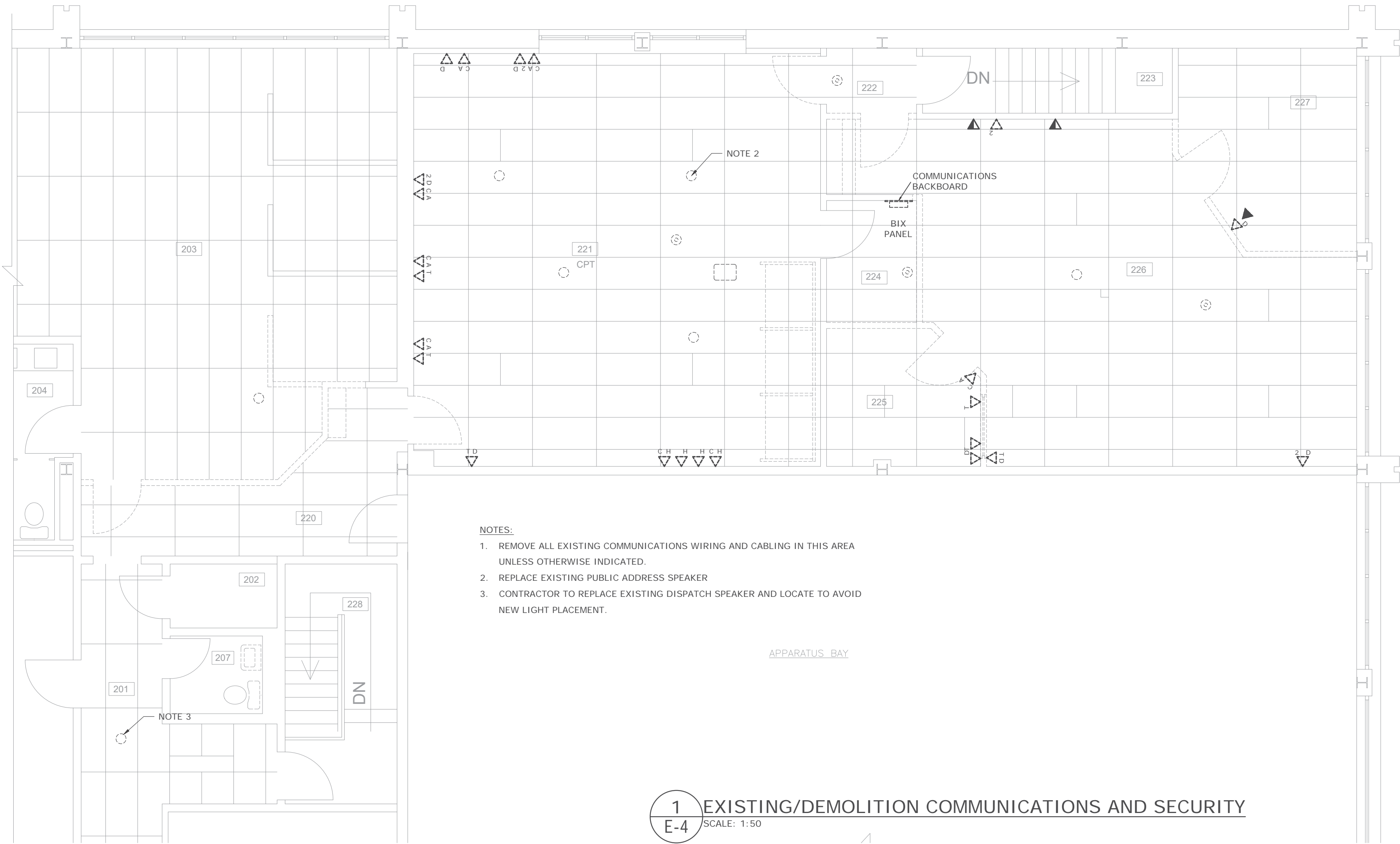
COMMUNICATIONS LAYOUT

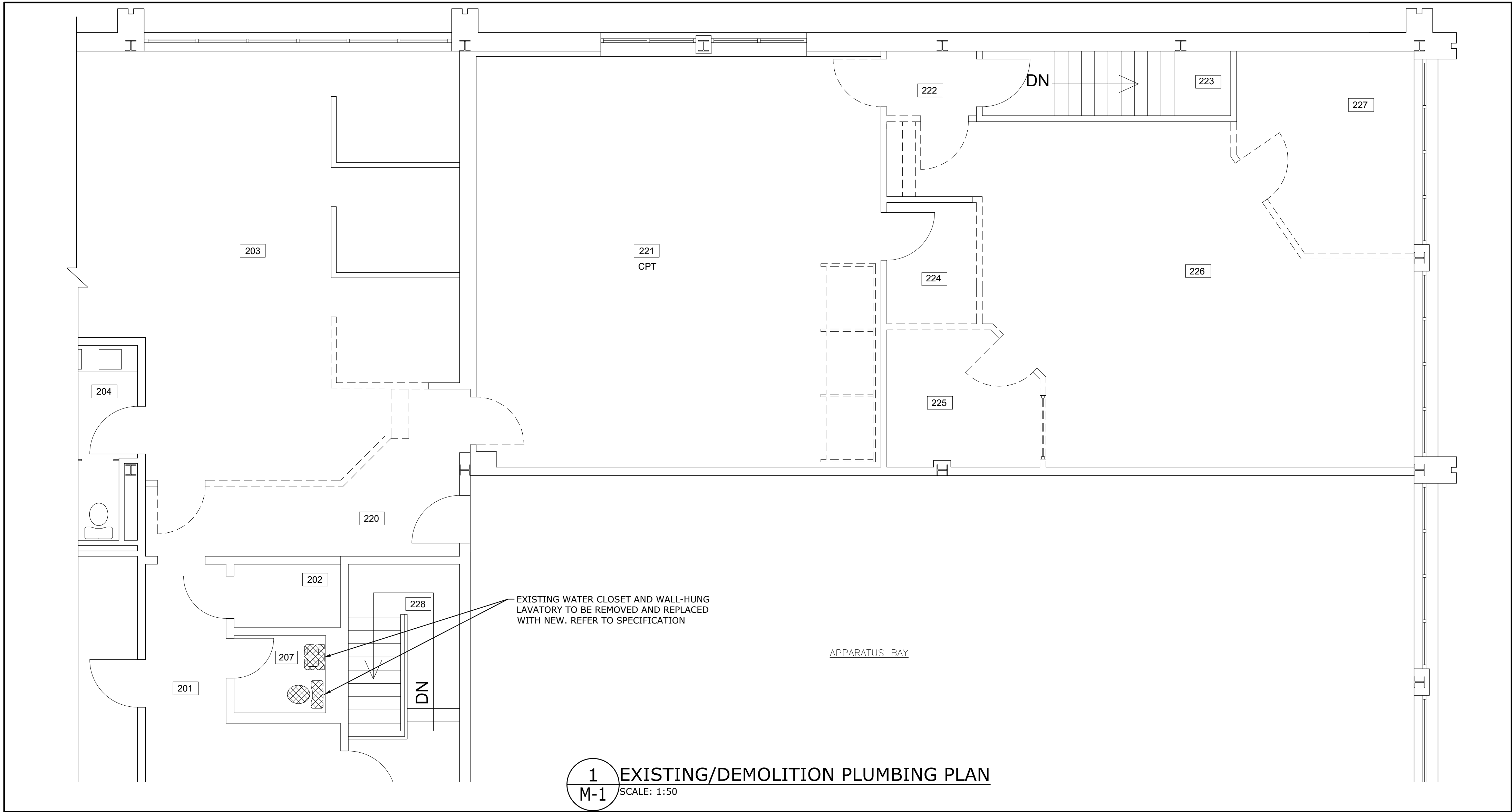
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Drawn By: SI	Date: AUGUST 2020

Scale: AS NOTED

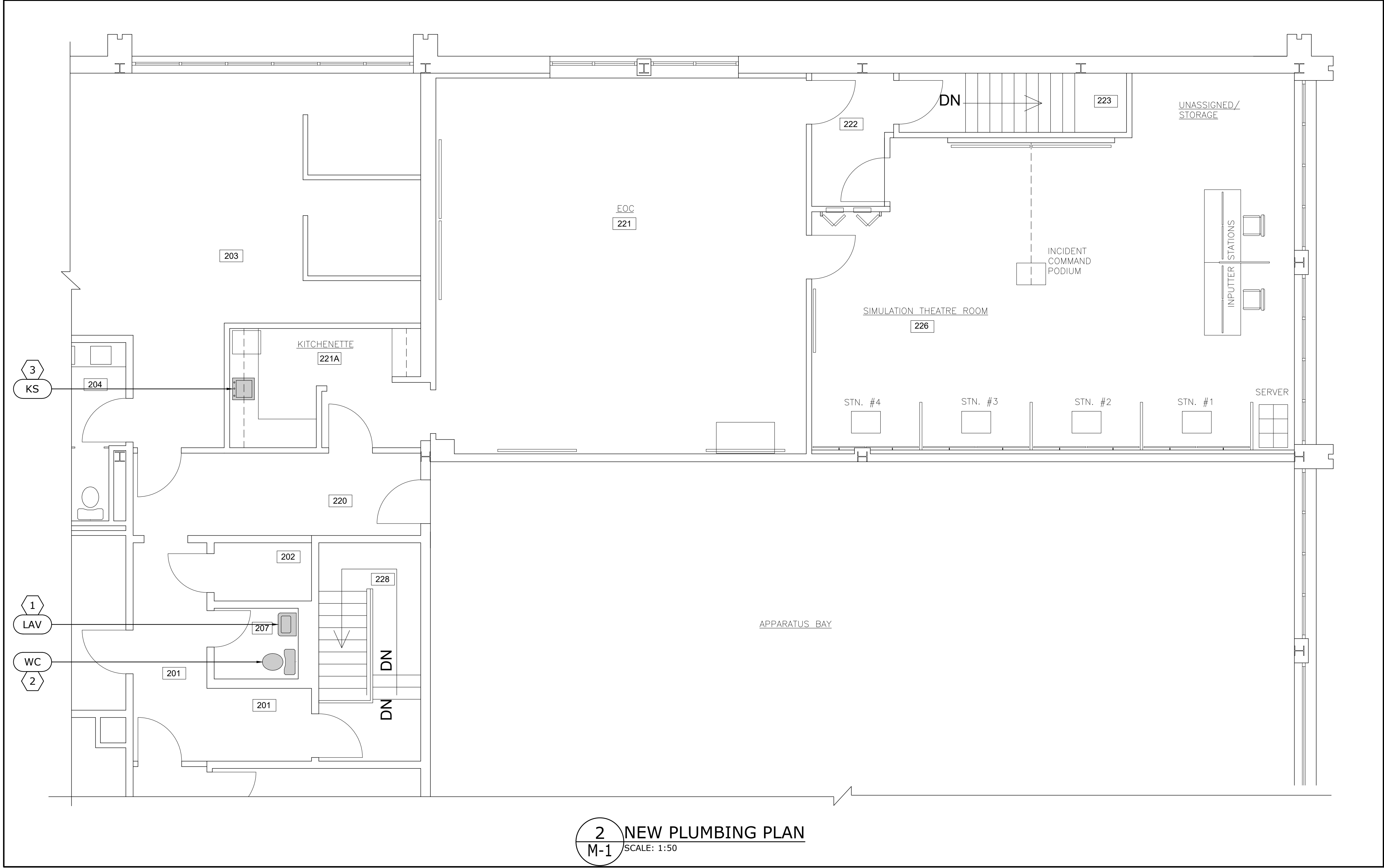
Drawing No.:

E-4





1
M-1 EXISTING/DEMOLITION PLUMBING PLAN
SCALE: 1:50



2
M-1 NEW PLUMBING PLAN
SCALE: 1:50

KEYED NOTES - NEW PLUMBING	
SYMBOL	DESCRIPTION
①	PROVIDE NEW WALL-HUNG LAVATORY AND TRIM AS PER SPECIFICATION. MAKE CONNECTION TO EXISTING DWV SERVICES IN ACCORDANCE WITH THE NATIONAL PLUMBING CODE AND THE REQUIREMENTS OF THE AHJ.
②	PROVIDE NEW WATER CLOSET AS PER SPECIFICATION. MAKE CONNECTION TO EXISTING DWV SERVICES IN ACCORDANCE WITH THE NATIONAL PLUMBING CODE AND THE REQUIREMENTS OF THE AHJ. PROVIDE NEW GASKET.
③	PROVIDE NEW KITCHEN SINK AND TRIM AS PER SPECIFICATION. MAKE CONNECTION TO EXISTING SANITARY SERVICES IN ACCORDANCE WITH THE NATIONAL PLUMBING CODE AND THE REQUIREMENTS OF THE AHJ. PROVIDE NEW ½"Ø DCW AND ½"Ø DHW SUPPLY, WITH SHUT-OFF VALVES, FROM EXISTING DOMESTIC WATER SERVICES. CONTRACTOR IS RESPONSIBLE TO LOCATE NEAREST DWV SERVICES OF ADEQUATE SIZE. WHEREVER CEILING IS USED AS A RETURN AIR PLENUM, THE DRAINAGE AND VENT PIPING SHALL BE IPX TYPE-XFR (OR EQUIVALENT) WITH A FLAME SPREAD INDEX NOT TO EXCEED 25 AND SMOKE DEVELOPED INDEX NOT TO EXCEED 50.

PLUMBING FIXTURE REQUIREMENTS						
TAG	DESCRIPTION	DRAIN	VENT	DCW	DHW	COMMENTS
LAV	NEW LAVATORY	1½"	1½"	½"	½"	c/w TRIM, WASTE, DRAIN, AND SUPPLIES/STOPS (REFER TO SPECIFICATION)
WC	NEW WATER CLOSET	3"	2"	½"	--	c/w NEW GASKET AND DCW SUPPLY/STOP (REFER TO SPECIFICATION)
KS	KITCHEN SINK	3"	2"	½"	--	c/w TRIM, WASTE, DRAIN, AND SUPPLIES/STOPS (REFER TO SPECIFICATION)

GENERAL NOTES: PLUMBING
THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL LOCATIONS FOR PLUMBING FIXTURES AND EQUIPMENT PIPING CONNECTIONS. THIS CONTRACTOR SHALL VERIFY ALL EQUIPMENT AND FIXTURE LOCATIONS ON SITE PRIOR TO INSTALLATION. USE MANUFACTURER'S SPECS AND TEMPLATES FOR ALL PIPING CONNECTIONS TO PLUMBING FIXTURES AND EQUIPMENT.

THE COMPLETE INSTALLATION/MODIFICATION OF THE PLUMBING SYSTEMS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL APPLICABLE CODES AND STANDARDS.

THIS CONTRACTOR SHALL PROVIDE ALL REQUIRED CLEARANCES AS RECOMMENDED BY MANUFACTURER TO ALLOW FOR PROPER OPERATION AND SERVICING OF ALL MECHANICAL EQUIPMENT.

THIS CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS FOR CONNECTION OF DOMESTIC WATER, VENT, AND SANITARY DRAINS TO EXISTING SERVICES TO PROVIDE FOR OPERATIONAL PLUMBING SYSTEMS.

ALL PENETRATIONS THROUGH FLOOR SLAB SHALL BE WEATHER-TIGHT AND FLOOR PENETRATIONS SEALED WITH WATERPROOF GROUTING COMPOUND.

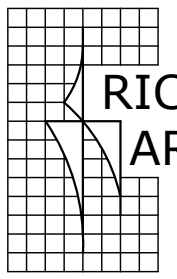
ALL PIPING SHALL BE PROPERLY SUPPORTED WITH PROPER PIPE HANGERS SECURELY ATTACHED TO THE BUILDING STRUCTURE.

VALVES AND UNIONS SHALL BE INSTALLED AS NECESSARY TO ALLOW FOR ISOLATION AND SERVING OF MECHANICAL EQUIPMENT. PROVIDE ACCESSIBLE ISOLATION VALVES FOR DOMESTIC SUPPLY PIPING TO ALL PLUMBING FIXTURES INSTALLED UNDER THIS CONTRACT.

ALL PENETRATIONS THROUGH FIRE RATED SEPARATIONS SHALL BE SEALED WITH AN APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY AND RATING OF THE ASSEMBLY AND INSTALLED IN ACCORDANCE WITH NFPA.

CONTRACTOR SHALL INSTALL ALL NECESSARY WALL AND/OR FLOOR CLEANOUTS TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES. CONTRACTOR SHALL COORDINATE EXACT LOCATION WITH LATEST FIXTURE PLANS PRIOR TO STARTING ANY WORK. PROVIDE ACCESS DOORS WHERE REQUIRED.

UNDERSLAB HORIZONTAL CONNECTIONS OF VENT PIPING TO WASTE SEWER SYSTEM SHALL NOT BE ALLOWED, CONTRACTOR SHALL INSTALL WASTE AND VENT PIPING AS REQUIRED PER APPLICABLE CODES.



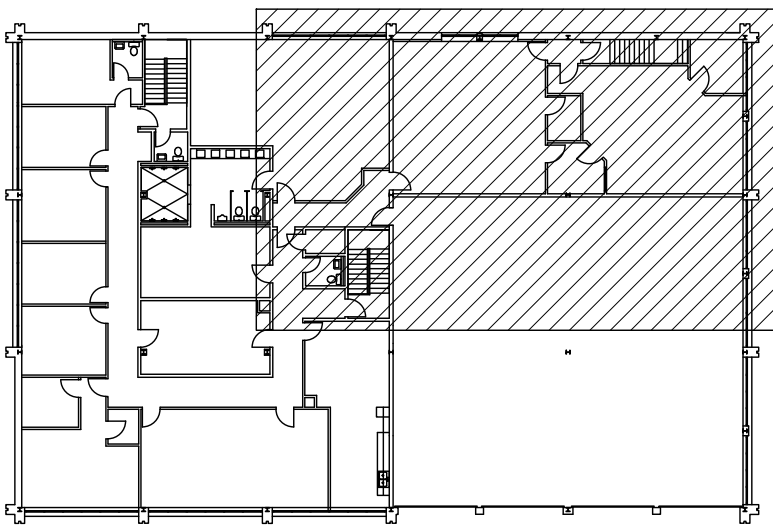
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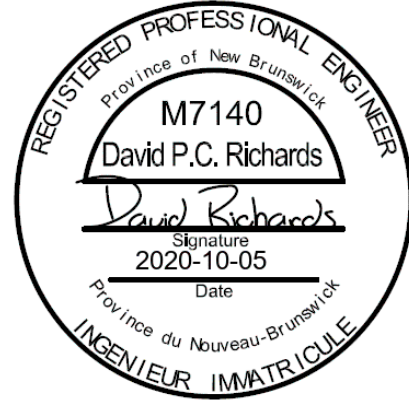
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KEY PLAN
SCALE: NTS



No.	Revision	Date
0	ISSUED FOR REVIEW	2020-09-01
1	ISSUED FOR TENDER	2020-10-05

Project Title:

CAER

CITY OF SAINT JOHN
FIRE STATION NO.1

45 LEINSTER ST.,
SAINT JOHN, NB

Drawing Title:

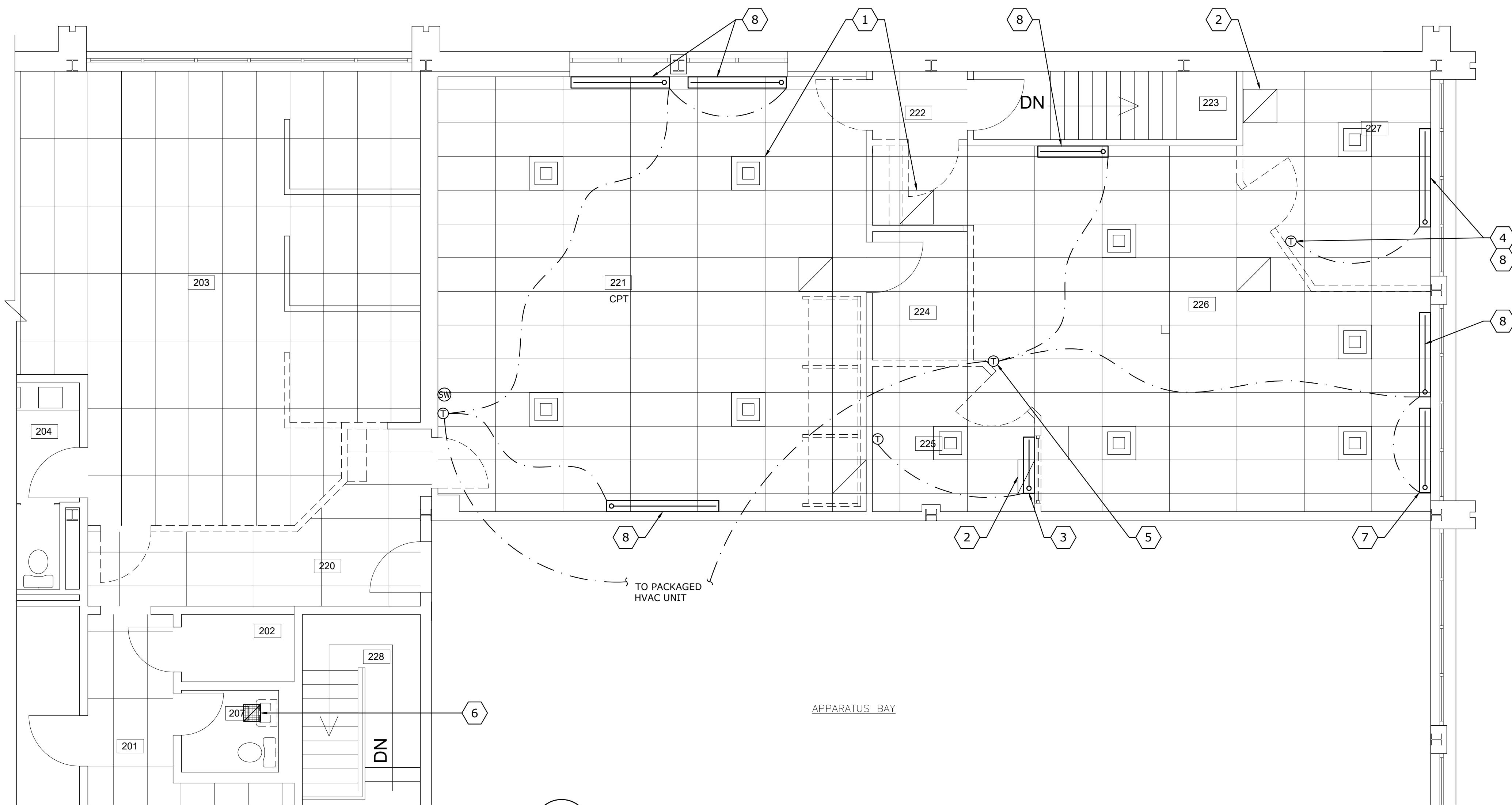
EXISTING AND NEW
PLUMBING PLANS

Designed By: DPCR	Revision No. 1
Approved By: DPCR	Job No.: 14400
Drawn By: GKH	Date: OCT. 2020

Scale: AS NOTED

Drawing No.:

M-1



1 EXISTING/DEMOLITION HVAC PLAN
M-2 SCALE: 1:50

KEYED NOTES - HVAC DEMOLITION	
SYMBOL	DESCRIPTION
①	ALL EXISTING SUPPLY AIR DIFFUSERS AND RETURN AIR GRILLES TO BE REMOVED AND REPLACED WITH NEW. REFER TO SPECIFICATION. TYPICAL FOR TEN (10) S/A DIFFUSERS AND FOUR (4) R/A GRILLES.
②	EXISTING RETURN AIR GRILLE TO BE REMOVED (AND NOT REPLACED).
③	EXISTING ELECTRIC BASEBOARD HEATER AND ASSOCIATED THERMOSTAT TO BE REMOVED.
④	EXISTING THERMOSTAT FOR ELECTRIC BASEBOARD HEATER TO BE REMOVED. BASEBOARD HEATER TO BE CONNECTED TO EXISTING 'DELTA' THERMOSTAT IN SIMULATION THEATRE ROOM (REFER TO NEW LAYOUT). ADJUST CONTROLS PROGRAM AS NECESSARY.
⑤	EXISTING 'DELTA' THERMOSTAT TO BE RELOCATED AS SHOWN IN SIMULATION THEATRE ROOM (REFER TO NEW LAYOUT).
⑥	EXISTING EXHAUST AIR GRILLE TO BE REMOVED AND REPLACED WITH NEW. REFER TO SPECIFICATION.
⑦	EXISTING ELECTRIC BASEBOARD HEATER TO BE REMOVED.
⑧	EXISTING BASEBOARD HEATER TO BE REMOVED AND REPLACED WITH NEW. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATION FOR MAKE/MODEL.

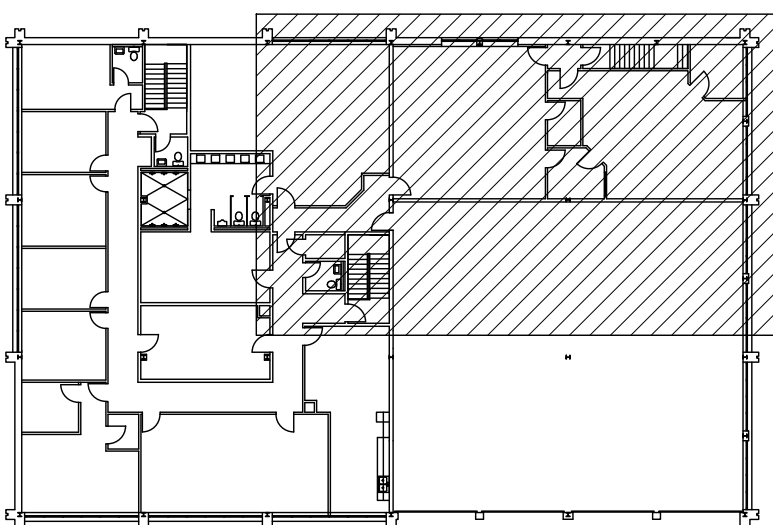
GENERAL NOTES - HVAC DEMOLITION	
THE CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING CONDITIONS AND EQUIPMENT LOCATIONS PRIOR TO COMMENCING WORK. ANY ERRORS OR OMISSIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND THE ENGINEER IMMEDIATELY. NO AFTER CLAIMS FOR COMPENSATION WILL BE CONSIDERED FOR CONTRACTORS FAILURE TO TAKE SITE CONDITIONS INTO CONSIDERATION PRIOR TO BID SUBMISSION.	
DEMOLITION NOTES/DRAWINGS ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE TO INDICATE THE GENERAL EXTENT OF DEMOLITION WORK AND AS SUCH DO NOT NECESSARILY INDICATE THE ENTIRE SCOPE OF WORK. THE EXTENT OF DEMOLITION WORK WILL BE THAT WHICH IS NECESSARY TO COMPLETE THE WORK DESCRIBED BY THE CONTRACT DOCUMENTS.	
THE FULL EXTENT OF CUTTING AND PATCHING IS NOT NECESSARILY INDICATED IN THE DEMOLITION NOTES OR ON DRAWINGS. REFER AS WELL TO THE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS/DETAILS FOR RELATED WORK.	
INFORMATION PRESENTED IN DEMOLITION NOTES AND ON DRAWINGS IS TO BE COORDINATED AND READ IN CONJUNCTION WITH ARCHITECTURAL AND ELECTRICAL DETAILS/DRAWINGS AND SPECIFICATIONS.	
IT WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE FROM THE SITE AND PROPERLY DISPOSE OF ALL DELETED HVAC EQUIPMENT, DUCTWORK, DIFFUSERS, GRILLES, REFRIGERANT, REFRIGERATION PIPING, DUCT HANGERS, ETC. UNLESS OTHERWISE NOTED ON THE TENDER DOCUMENTS OR ADDENDA.	

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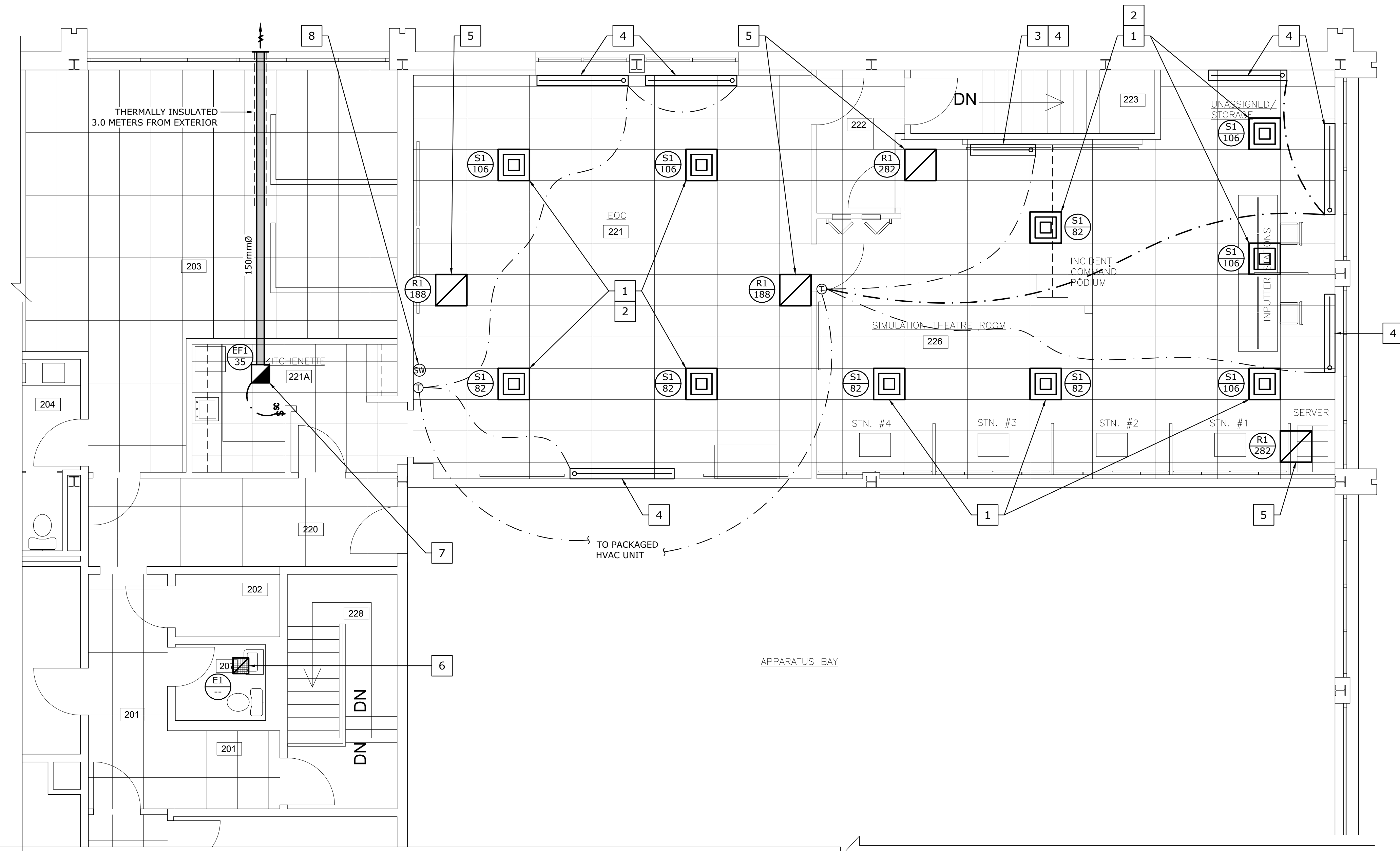
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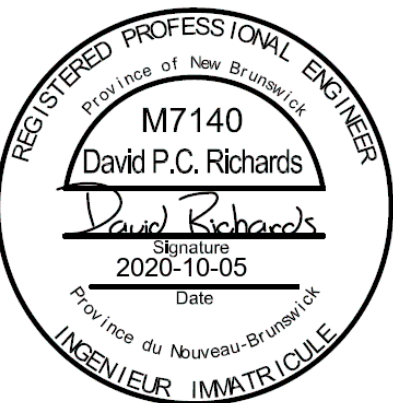
KEY PLAN
SCALE: NTS



2 NEW HVAC PLAN
M-2 SCALE: 1:50

KEYED NOTES - NEW HVAC	
SYMBOL	DESCRIPTION
1	INSTALL NEW S/A DIFFUSERS. PROVIDE ADDITIONAL BRANCH DUCTWORK AS NEEDED. FLEXIBLE DUCTWORK SHALL NOT EXCEED 8 FEET IN LENGTH. BRANCH DUCTS ARE ASSUMED TO BE 10"Ø - TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO ORDERING EQUIPMENT.
2	HVAC SYSTEM TO BE BALANCED TO THE AIR FLOWS AS INDICATED (AIR FLOW SHOWN IN L/s).
3	ELECTRIC BASEBOARD HEATER TO BE INSTALLED TO ALLOW FOR THE CONSTRUCTION OF NEW WALL BUMP-OUT.
4	NEW ELECTRIC BASEBOARD HEATER (REFER TO ELECTRICAL). CONNECT NEW BASEBOARD HEATER RELAY TO EXISTING 'DELTA' THERMOSTAT / CONTROL SYSTEM IN RESPECTIVE ROOM. ADJUST CONTROLS PROGRAM AS NECESSARY. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATION FOR MAKE/MODEL OF NEW HEATERS.
5	INSTALL NEW DUCTED R/A GRILLE WITH DUCT COLLAR AND BALANCING DAMPER. PROVIDE ADDITIONAL BRANCH DUCTWORK AS NEEDED. THE SIZE OF THE EXISTING RETURN AIR DUCTWORK IS UNKNOWN AND TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
6	INSTALL NEW EXHAUST AIR GRILLE. REFER TO SPECIFICATION.
7	PROVIDE NEW CABINET EXHAUST FAN WITH INTEGRAL CEILING GRILLE AND WALL-MOUNTED SPEED CONTROLLER. PROVIDE FACTORY BRICK VENT AT EXTERIOR WALL TERMINATION.
8	REPLACE EXISTING 3-POSITION SWITCH WITH NEW, AESTHETICALLY PLEASING 3-POSITION SWITCH TO THE SATISFACTION OF THE OWNER.

LEGEND	
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	EQUIPMENT TAG AIRFLOW (L/s)
	THERMOSTAT
	CONTROL WIRING
	SELECTOR SWITCH
	ELECTRIC BASEBOARD HEATER
	CABINET EXHAUST FAN
	WALL-MOUNTED SPEED CONTROLLER
	BRICK VENT
	NEW DUCTWORK



No.	Revision	Date
0	ISSUED FOR REVIEW	2020-09-01
1	ISSUED FOR TENDER	2020-10-05

Project Title:

CAER

CITY OF SAINT JOHN FIRE STATION NO.1

45 LEINSTER ST., SAINT JOHN, NB

Drawing Title:

EXISTING AND AND NEW HVAC PLANS

Designed By: DPCR	Revision No. 1
Approved By: DPCR	Job No.: 14400
Drawn By: GKH	Date: OCT. 2020

Scale: AS NOTED

Drawing No.:

M-2