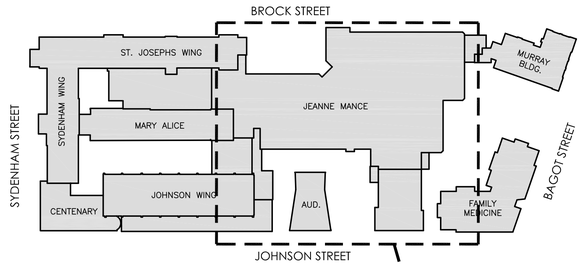
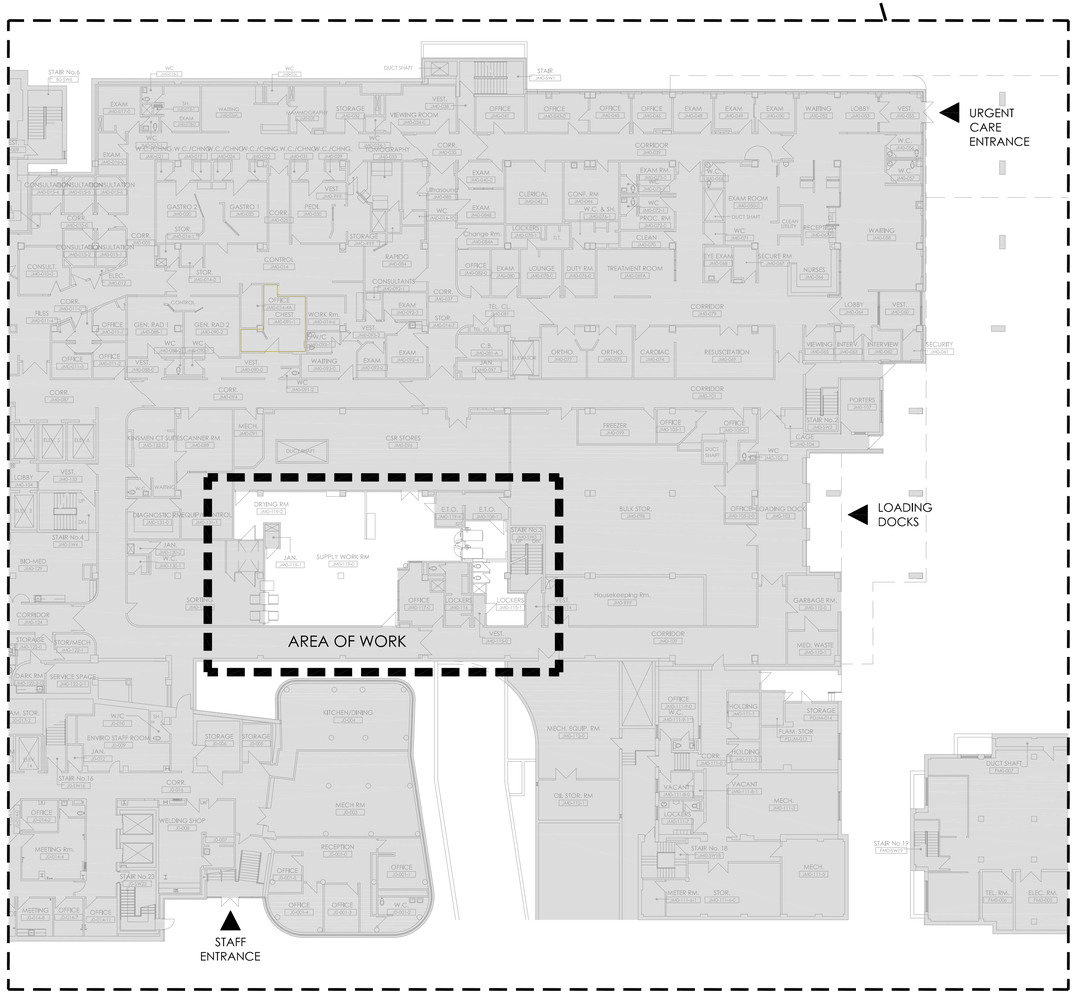
CONTRACT DOCUMENTS

ISSUED FOR BID/PERMIT
2023-05-16

HDR Architecture Associates, Inc.
27 Princess Street, Suite 400, Kingston, ON K7M 1A3





PLAN NORTH

Keyplan
Level 0
N.T.S.

DRAWING LIST

ARCHITECTURAL
A000 COVER SHEET
A001 OBC MATRIX AND DETAILS
A050 ARCHITECTURAL DEMOLITION
A100 ARCHITECTURAL NEW WORK

MECHANICAL
M100 KEY PLAN AND LEGENDS
M101 PARTIAL LEVEL 0 FIRE PROTECTION DEMOLITION & NEW
M200 PARTIAL LEVEL 0 PLUMBING SYSTEMS DEMOLITION & NEW
M300 PARTIAL LEVEL 0 STEAM SYSTEMS DEMOLITION & NEW
M400 PARTIAL LEVEL 0 HVAC SYSTEMS DEMOLITION & NEW

ELECTRICAL
E101 ELECTRICAL LEGEND AND DETAILS
E102 LIGHTING LAYOUTS
E201 POWER AND SYSTEM LAYOUTS

Project Number | 10358808
Client Number | TBD

Hotel Dieu Hospital
Jeanne Mance Level 0
MDR Phase 2 Infrastructure

166 Brock Street, Kingston
Ontario, K7L 5G2

Kingston Health Sciences Centre
Centre des sciences de la santé de Kingston

Hôpital Hotel Dieu Hospital
KGH Hôpital Général de Kingston General Hospital

Kingston Health Sciences Centre

166 Brock Street, Kingston
Ontario, K7L 5G2

Mechanical & Electrical
WSP Canada Inc.
1224 Gardiners Rd #201, Kingston
Ontario, K7P 0G2 Canada
t 613.634.7373
f 613.634.3523

CONTRACT DOCUMENTS 2023-03-31

LIGHT FIXTURES:
LIGHT FIXTURES TO BE REPLACED – REFER TO ELECTRICAL DRAWINGS

CEILING TILES:
EXISTING CEILING TILES TO BE REPLACED, REFER TO RPC

CONCRETE BLOCK TO BE DEMOLISHED FOR NEW OPENING AND PATCHED FOR EXISTING OPENING AS REQUIRED.

WALLS:
EXISTING BLOCK WALLS TO BE MODIFIED PER DETAILS 3 & 4. EXISTING AND NEW BLOCK TO BE PAINTED TO MATCH ADJACENT WALLSBLOCK WALLS TO BE PAINTED

EXISTING OPENING FOR GRILL – REFER TO DETAILS 3 & 4 AND MECH. FOR REQUIRED SIZE MODIFICATION

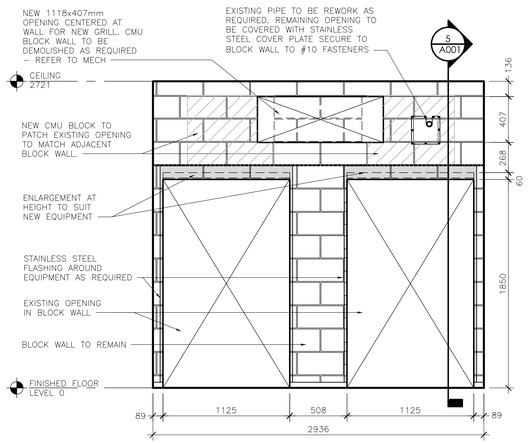
NOTE:

STERILIZER #1 TO BE REPLACED FIRST WHILE STERILIZER #2 REMAIN IN USE.

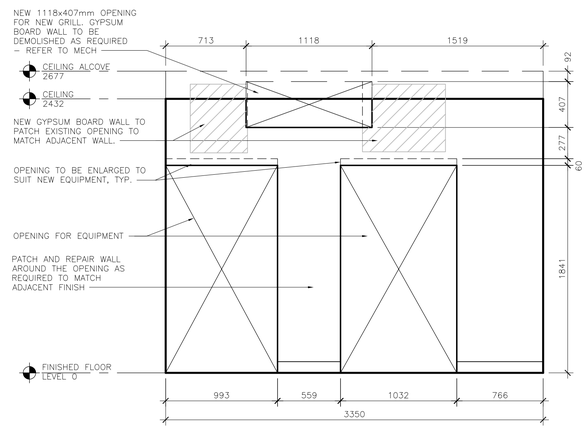
STERILIZER #2 TO BE REPLACED WHEN NEW STERILIZER #1 IS READY TO BE USED.

1 A001 STERILIZER AT SUPPLY WORK RM JM0-119-0
SCALE NTS

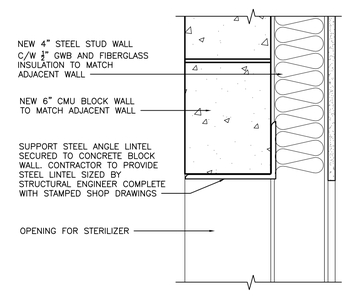
2 A001 STERILIZER AT MECH. RM JM0-108-2
SCALE NTS



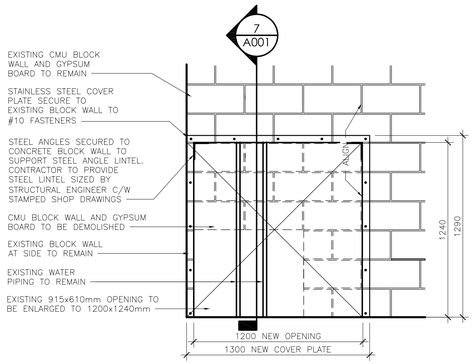
3 A001 ELEVATION - SUPPLY WORK ROOM JM0-119-0
SCALE 1 : 25



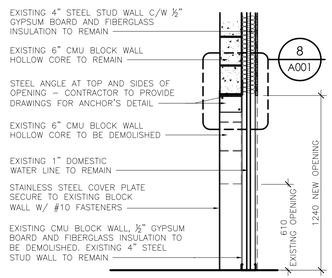
4 A001 ELEVATION - MECH. RM JM0-108-2
SCALE 1 : 25



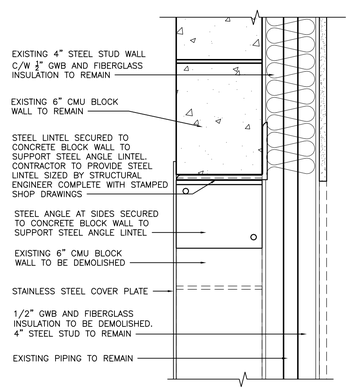
5 A001 DETAIL
SCALE 1 : 5



6 A001 DETAIL - ELEVATION
SCALE 1 : 20



7 A001 DETAIL SECTION
SCALE 1 : 20



8 A001 DETAIL
SCALE 1 : 5

Name of Practice:	Name of Project:	Location:
HDR Architecture Associates Inc. 27 Princess Street - Suite 400 Kingston, ON K7M 1A3	HDH Jeanne Mance 0 MDR Phase 2 Infrastructure	KHSC Hotel Dieu Hospital 166 Brock Street, Kingston, ON K7L 5G2

Ontario Building Code Data Matrix - Part 11 - Renovation of Existing Building			OBC Reference
11.00	Building Code Version:	O. Reg. 332/12 Last Amendment: O. Reg. 762/20	
11.01	Project Type:	☐ Addition ■ Renovation ☐ Addition and Renovation ☐ Change of Use Description: Steam sterilizer replacement, removal of block wall and millwork	[A] 1.1.2.
11.02	Major Occupancy Classification:	Occupancy: D; Use: Business and Personal Services - No Change	3.1.2.1.(1)
11.03	Superimposed Major Occupancies:	■ No ☐ Yes Description:	3.2.2.7.
11.04	Building Area (m^2)	Description / Existing / New / Total: MDR Infrastructure: 188.2m^2 / 0 / 188.2m^2 Addition - N/A: 0 / 0 / 0 Total: 188.2m^2 / 0 / 188.2m^2 Insert additional lines as needed	[A] 1.4.1.2.
11.05	Building Height:	Existing Storeys above grade; Existing (m) Above grade: No Change Existing Storeys below grade: No Change	[A] 1.4.1.2. & 3.2.1.1.
11.06	Number of Streets/ Firefighter access	4 Street(s)	3.2.2.10. & 3.2.5.
11.07	Building Size	☐ Small ☐ Medium ■ Large ☐ > Large	T.11.2.1.1.B.-N.
11.08	Existing Building Classification:	Change in Major Occupancy: ☐ Yes ■ Not Applicable (no change of major occupancy) Construction Index: N/A Hazard Index: N/A Importance Category: ☐ Low ■ Normal ☐ High ☐ Post-disaster	11.2.1.1. T 11.2.1.1A T 11.2.1.1B to N 4.2.1.(3), 5.2.2.1.(2)
11.09	Renovation type:	■ Basic Renovation ☐ Extensive Renovation	11.3.3.1. 11.3.3.2.
11.10	Occupant Load:	Floor Level/Area: HDH JM Level 0; Occupancy Type: D; Based On: No Change; Occupant Load (Persons): No Change Insert additional lines as needed	3.1.17.
11.11	Plumbing Fixture Requirements:	Ratio: M/F = 1/1 Except as otherwise noted Floor Level/Area: HDH JM Level 0; Occupant Load: N/A; OBC Reference: N/A; Fixtures Required: N/A; Fixtures Provided: N/A Insert additional lines as needed	3.7.4.
11.12	Barrier-free Design:	☐ No ■ Yes	11.3.3.2.(2)
11.13	Reduction in Performance level:	Structural: ■ No ☐ Yes By Increase in occupant load: ■ No ☐ Yes By change of major occupancy: ■ No ☐ Yes Plumbing: ■ No ☐ Yes Sewage-systems: ■ No ☐ Yes Extension of combustible construction: ■ No ☐ Yes	11.4.2.1. 11.4.2.2. 11.4.2.3. 11.4.2.4. 11.4.2.5. 11.4.2.6.
11.14	Compensating Construction:	■ No ☐ Yes Structural: ■ No ☐ Yes Increase in occupant load: ■ No ☐ Yes Change of major occupancy: ■ No ☐ Yes Plumbing: ■ No ☐ Yes Sewage-systems: ■ No ☐ Yes Extension of combustible construction: ■ No ☐ Yes	11.4.3.1. 11.4.3.2. 11.4.3.3. 11.4.3.4. 11.4.3.5. 11.4.3.6. 11.4.3.7.
11.15	Compliance Alternatives Proposed:	■ No ☐ Yes	11.5.1.
11.16	Notes: Insert additional lines as needed		11.5.1.

1 *All references are to Division B of the OBC unless preceded by [A] for Division A and [C] for Division C.*

Ontario Building Code Data Matrix, Part 11 October 2016
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ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
JM0-119-2	DRYING ROOM	EXP	IB	PT	ACT	
JM0-119-0	SUPPLY WORK ROOM	EXP	IB	PT	ACT	
JM0-108-2	MECH.	N/A	N/A	PT	N/A	
JM0-115-1	LOCKERS	N/A	N/A	PT	N/A	NORTH WALL ONLY

EQUIPMENT LIST

EQ #	EQUIPMENT DESCRIPTION	SUP. / MANUF.	PURCHASE	INTALLATION	COMMENTS
1	STERILIZER #1, LEFT HAND	VIDMAR	CONTRACTOR	CONTRACTOR	STERILIZERS ARE OWNER SUPPLIED / VENDOR INSTALLED / CONTRACTOR COMPLETES FINAL CONNECTIONS. REFER TO APPENDIX IN SPECIFICATION FOR CUT SHEET
2	STERILIZER #2, RIGHT HAND				
3	#0245NF CABINET, 30"w x 45"h; #LD105 DRAWER, 2"h; #LD432 DRAWER, 2"h; #LD48 DRAWER, 3"h				REFER TO APPENDIX IN SPECIFICATION FOR CUT SHEET
4	2x IMPLANT CARTS				
5	HEIGHT-ADJUSTABLE WORK TABLE	STERIS	CONTRACTOR	CONTRACTOR	CPS/MDR PREP AND PACK TABLES, 36X72, ELECTRIC HEIGHT ADJUSTABLE, WITH TASK DRAWER (SUSPENDED 1-6 INCH), MAGNIFICATION LIGHT, AND FLAT SCREEN KEYBOARD MOUNT. STANDARD OF ACCEPTANCE IS STERIS AMSCO PREP55 DELUXE OR APPROVED EQUIVALENT.
6	HEIGHT-ADJUSTABLE WORK TABLE	STERIS	CONTRACTOR	CONTRACTOR	CPS/MDR PREP AND PACK TABLES, 36X72, ELECTRIC HEIGHT ADJUSTABLE, WITH TASK DRAWER (SUSPENDED 1-6 INCH), MAGNIFICATION LIGHT, AND FLAT SCREEN KEYBOARD MOUNT. STANDARD OF ACCEPTANCE IS STERIS AMSCO PREP55 DELUXE OR APPROVED EQUIVALENT.

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HDH JEANNE MANCE 0
MDR PHASE 2 INFRASTRUCTURE
166 BROCK STREET
KINGSTON, ONTARIO

Project Manager	RH
Project Designer	
Project Architect	RM
Landscape Architect	
Civil Architect	
Structural Engineer	
Mechanical Engineer	WSP Canada Inc.
Electrical Engineer	WSP Canada Inc.
Interior Designer	
Equipment Planner	
Wayfinding	
Drawn By	AF

MARK	DATE	DESCRIPTION
01	2023-01-27	ISSUED FOR 66% REVIEW
02	2023-03-31	ISSUED FOR 99% REVIEW
03	2023-05-16	ISSUED FOR BID / PERMIT

Project Number	10358808
PLO Proj. No.	TBD
MOHLTC #	N/A

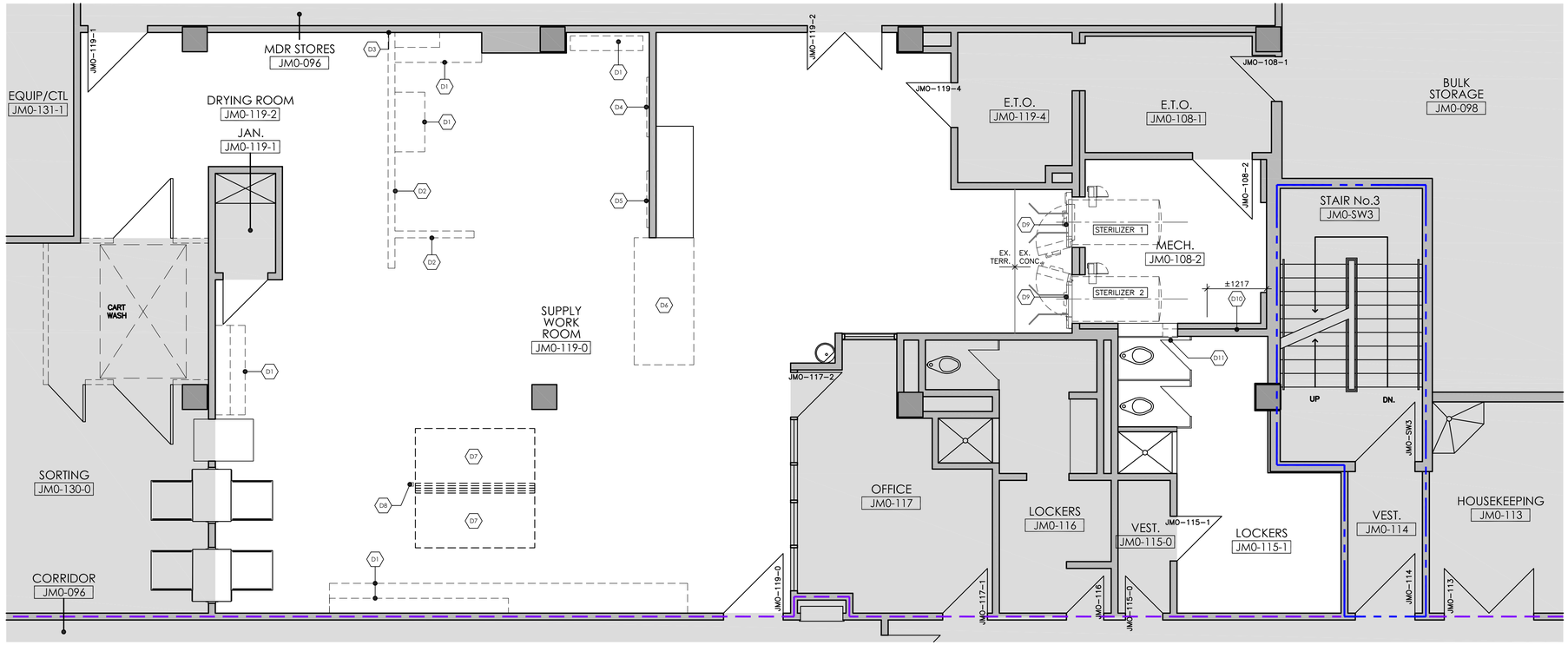
ONTARIO ASSOCIATION OF ARCHITECTS
ROBERT J. MALLOY
LICENCE 5517

Sheet Name
OBC MATRIX AND DETAILS

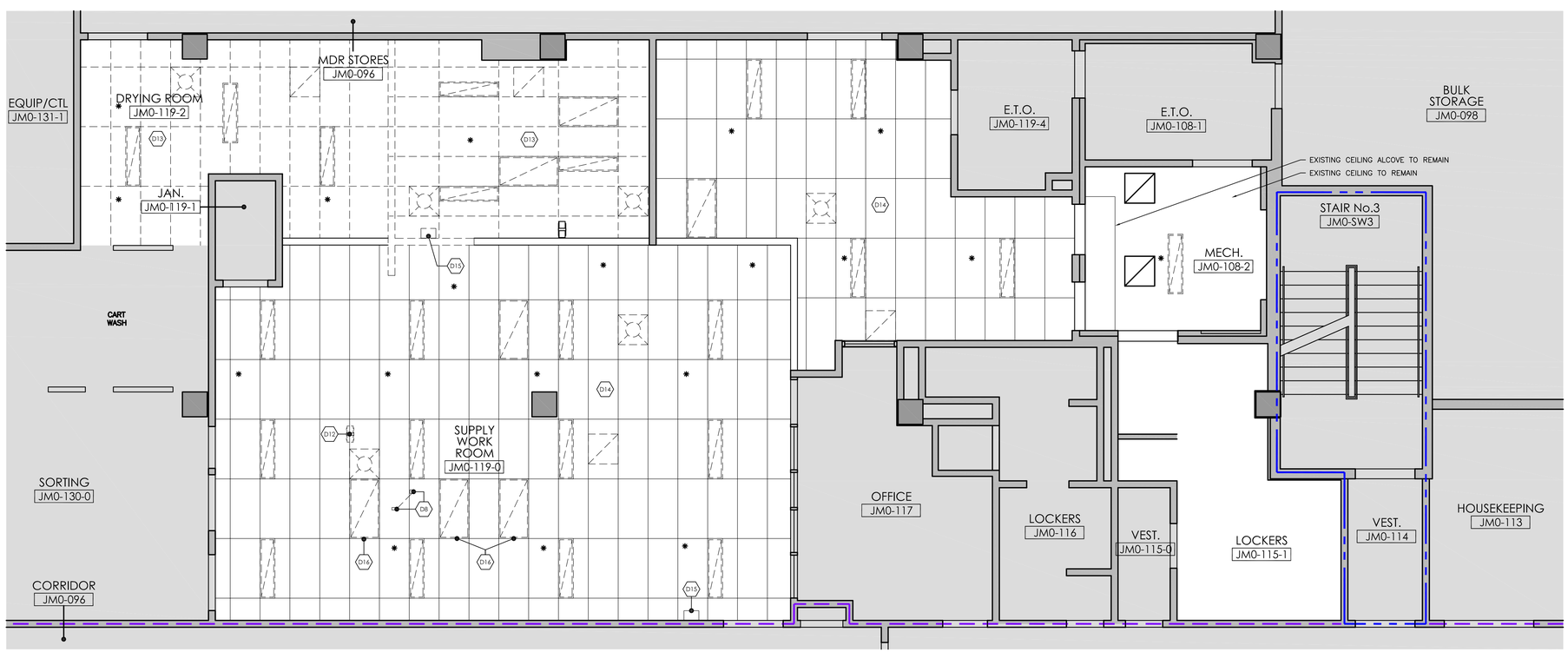
Scale AS NOTED

Sheet Number
A001

Project Status
CONTRACT DOCUMENTS



1 A050 LEVEL 0 MDR CLEAN SIDE - DEMOLITION PLAN
SCALE 1 : 50



2 A050 LEVEL 0 MDR CLEAN SIDE - DEMOLITION REFLECTED CEILING PLAN
SCALE 1 : 50

LEGEND

- EXISTING INTERIOR PARTITION OR STRUCTURE
- AREAS OUTSIDE SCOPE OF WORK
- EXISTING DOOR TO REMAIN
- EXISTING DOOR AND FRAME TO BE REMOVED
- ITEM SHOWN DASHED TO BE DEMOLISHED – SEE DEMOLITION NOTES
- EXISTING LIGHT FIXTURE TO BE REMOVED AND REPLACED/RELOCATED AS INDICATED ON DRAWINGS. REFER TO ELECTRICAL DRAWINGS.
- EXISTING LIGHT FIXTURE TO REMAIN
- EXISTING SPRINKLER TO REMAIN
- ROOM NAME & NUMBER

WALL RATING LEGEND

- 0 HOUR FRR
- 1 HOUR FRR
- 1.5 HOUR FRR
- 2 HOUR FRR

NOTE: EXISTING FLOOR SLAB FIRE SEPARATION IS 2 HR F.R.R.

GENERAL NOTES:

A. CONTRACTOR TO VERIFY EXISTING CONDITIONS, MEASUREMENTS AND OBSTRUCTIONS AND NOTIFY ARCHITECT AND OWNER PRIOR TO TENDER CLOSE, OF ANY OBSERVED OBSTRUCTION NOT INDICATED IN CONTRACT DOCUMENTS WHICH WOULD INHIBIT WORK TO BE PERFORMED AS INDICATED

B. ITEMS SHOWN DOTTED ON DEMOLITION DRAWINGS ARE TO BE REMOVED.

C. PATCH AND REPAIR EXISTING FINISHES WHERE WORK HAS DAMAGED EXISTING FINISHES.

D. ALL EXISTING CEILINGS TO REMAIN UNLESS OTHERWISE NOTED.

E. LOCATIONS FOR INFECTION CONTROL BARRIERS TO BE COORDINATED ON SITE WITH OWNER. PROVIDE TEMPORARY HOARDING AS REQUIRED TO COMPLETE WORK IN CORRIDORS & OTHER LOCATIONS OUTSIDE AREA OF WORK. HOARDING TO BE CONSTRUCTED IN ACCORDANCE WITH CSA Z317.13–03.

F. CONTRACTOR IS TO ENSURE ALL EXISTING FLOORING TO REMAIN IS PROTECTED FOR ENTIRE DURATION OF CONSTRUCTION. ALL DAMAGED FLOOR FINISHES ARE TO BE PATCHED AND REPAIRED AT CONTRACTORS EXPENSE.

G. ADDITIONAL WORK NOT INDICATED ON THIS DRAWING MAY BE REQUIRED. REFER TO MECHANICAL DRAWINGS.

H. THOROUGHLY INSPECT ALL SURFACES INDICATED TO REMAIN. FULLY PATCH & REPAIR ANY VISIBLY DAMAGED AREAS TO MATCH EXISTING CONSTRUCTION & PREP FOR NEW FINISH.

I. REMOVE ALL WALL & CEILING MOUNTED EQUIPMENT & FURNITURE AS REQUIRED TO COMPLETE SCOPE OF WORK. PATCH & REPAIR AFFECTED AREAS TO MATCH EXISTING CONSTRUCTION & PREP FOR NEW FINISH.

J. CONTRACTOR TO PATCH, REPAIR AND REPAINT ANY AREAS DAMAGED OUTSIDE SCOPE OF WORK (IE: FLOORING, CEILING TILES).

K. CAREFULLY REMOVE AND REINSTATE EXISTING CEILING AS REQUIRED FOR NEW WORK. COORDINATE WITH MECHANICAL TO UNDERSTAND SCOPE OF REMOVALS REQUIRED.

L. CUT AND PATCH AS REQUIRED FOR THE INSTALLATION OF ALL NEW MECHANICAL SERVICES. COORDINATE WITH MECHANICAL TO UNDERSTAND SCOPE.

M. WHERE NEW FLOORING ABUTS EXISTING FLOORING, ENSURE THAT ALL TRANSITIONS ARE LEVEL THROUGHOUT.

DEMOLITION NOTES:

D1 REMOVE EXISTING MILLWORK COUNTER, CABINETS, AND SHELVING. WHERE THERE IS TERRAZZO BASE AROUND MILLWORK, SAWCUT TERRAZZO AT FLOOR AROUND BASE, AND REMOVE TERRAZZO BASE FROM SAWCUT TO MILLWORK. PATCH AND REPAIR WALL TO RECEIVE NEW PAINT FINISH.

D2 REMOVE EXISTING CONCRETE BLOCK WALL. SAWCUT TERRAZZO AT FLOOR AROUND BASE, AND REMOVE TERRAZZO BASE AND FLOORING UP TO SAWCUT.

D3 PATCH AND MAKE GOOD THE REMAINING CONCRETE BLOCK WALL UPON REMOVAL OF OTHER CONCRETE BLOCK WALL.

D4 CAREFULLY REMOVE EXISTING STAINLESS STEEL PEG BOARD AND TURN OVER TO OWNER.

D5 CAREFULLY REMOVE EXISTING STAINLESS STEEL PEG BOARD FOR RELOCATION, MODIFY PER DETAIL (TBD).

D6 REMOVE AND DISPOSE OF EXISTING STAINLESS STEEL TABLE.

D7 EXISTING MOBILE WORKSTATIONS TO BE RELOCATED, REFER TO NEW FLOOR PLAN FOR NEW LOCATION. REFER TO ELECTRICAL DRAWINGS FOR THE RELOCATIONS OF ASSOCIATED POWER AND DATA.

D8 REMOVE EXISTING FLOOR–TO–CEILING POWER AND DATA POLE, C/W ASSOCIATED WIRING – REFER TO ELECTRICAL DRAWINGS.

D9 EXISTING STERILIZER TO BE REMOVED BY OTHERS. CONTRACTOR TO PERFORM DISCONNECTIONS. MAINTAIN STAFF ACCESS TO REMAINING STERILIZER AT ALL TIMES.

D10 REMOVE EXISTING PLASTER BOARD FROM TOP OF BASE TO UNDERSIDE OF CEILING.

D11 REMOVE EXISTING STAINLESS STEEL ACCESS PANEL AND INCREASE SIZE OF WALL OPENING TO 1200 WIDE (FROM BACK WALL) BY 1200 TALL (FROM TOP OF FLOOR).

D12 REMOVE EXISTING COMPRESSED AIR HOSE REEL AND ASSOCIATED SUPPORTS FOR RELOCATION – REFER TO NEW REFLECTED CEILING PLAN FOR NEW LOCATION, REFER ALSO TO MECHANICAL DRAWINGS..

D13 REMOVE EXISTING CEILING TILE THROUGHOUT.

D14 REMOVE EXISTING CEILING AND PRESERVE FIXTURES FOR REINSTATEMENT.

D15 EXISTING WALL–MOUNTED WOOD SPEAKER TO BE REMOVED.

D16 LIGHT FIXTURE TO BE RELOCATED – REFER TO ELECTRICAL DRAWINGS.

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166 BROCK STREET
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Project Manager	RH
Project Designer	
Project Architect	RM
Landscape Architect	
Civil Architect	
Structural Engineer	
Mechanical Engineer	WSP Canada Inc.
Electrical Engineer	WSP Canada Inc.
Interior Designer	
Equipment Planner	
Wayfinding	
Drawn By	AF

MARK	DATE	DESCRIPTION
01	2023-01-27	ISSUED FOR 66% REVIEW
02	2023-03-31	ISSUED FOR 99% REVIEW
03	2023-05-16	ISSUED FOR BID / PERMIT

Project Number	10358808
PLO Proj. No.	TBD
MOHLTC #	N/A

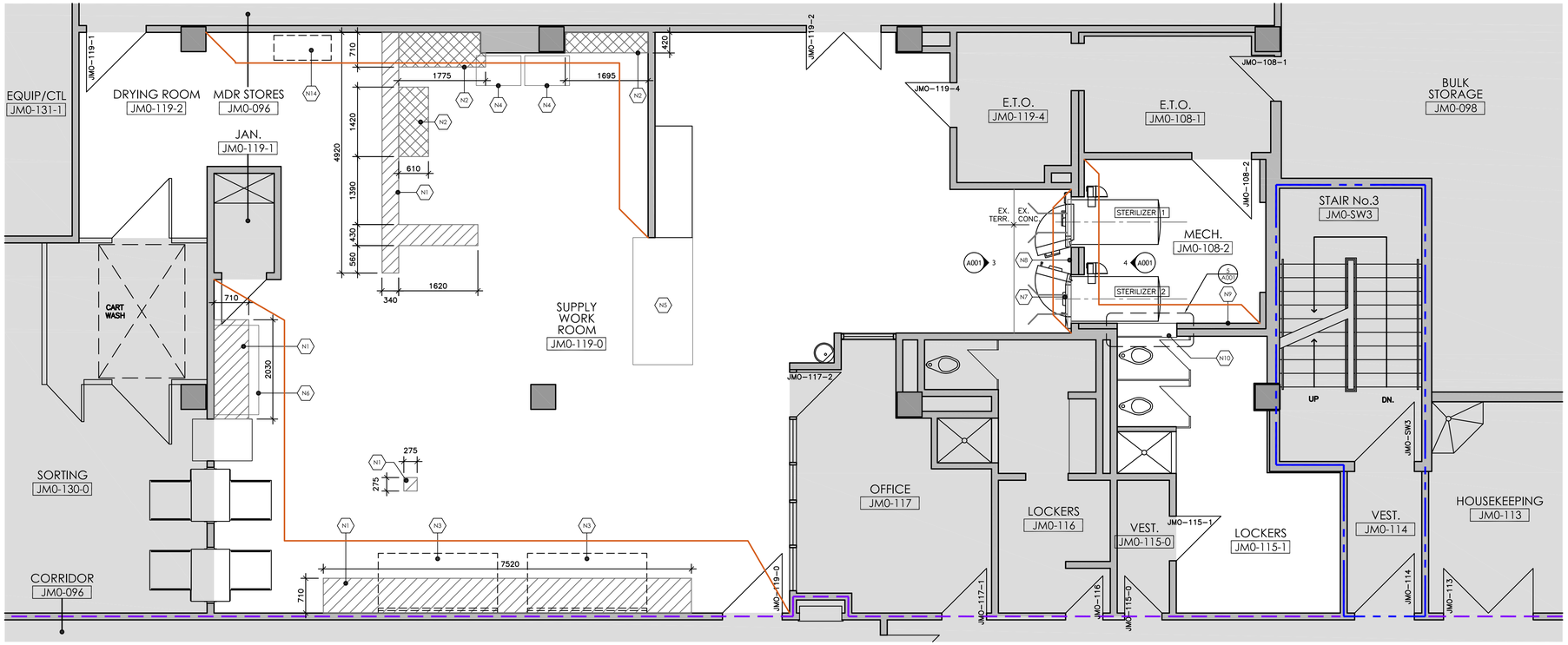
ONTARIO ASSOCIATION OF ARCHITECTS
ROBERT J. MALLOY
LICENCE
5517

Sheet Name
ARCHITECTURAL DEMOLITION

Scale AS NOTED

Sheet Number
A050

Project Status
CONTRACT DOCUMENTS



1 A100 LEVEL 0 MDR CLEAN SIDE - NEW WORK
SCALE 1 : 50

2 A100 LEVEL 0 MDR CLEAN SIDE - NEW WORK REFLECTED CEILING PLAN
SCALE 1 : 50

LEGEND

- EXISTING INTERIOR PARTITION OR STRUCTURE
- AREAS OUTSIDE SCOPE OF WORK
- EXISTING DOOR
- NEW DOOR
- NEW MILLWORK IN CONTRACT & MILLWORK TAG
- ROOM NAME & NUMBER
- SD — HANDS–FREE SOAP DISPENSER
- PTD — PAPER TOWEL DISPENSOR
- SPRINKLER
- LIGHT FIXTURE
- XXXX XX — NEW CEILING TILE ACT1 – REFER TO SPEC.
- PERIMETER TO BE PAINTED

WALL RATING LEGEND

- 0 HOUR FRR
- 1 HOUR FRR
- 1.5 HOUR FRR
- 2 HOUR FRR

NOTE: EXISTING FLOOR SLAB FIRE SEPARATION IS 2 HR F.R.R.

GENERAL NOTES:

A. PATCH AND REPAIR EXISTING FINISHES WHERE WORK HAS DAMAGED EXISTING FINISHES.

B. ALL EXISTING CEILINGS TO REMAIN UNLESS OTHERWISE NOTED.

C. LOCATIONS FOR INFECTION CONTROL BARRIERS TO BE COORDINATED ON SITE WITH OWNER. PROVIDE TEMPORARY HOARDING AS REQUIRED TO COMPLETE WORK IN CORRIDORS & OTHER LOCATIONS OUTSIDE AREA OF WORK. HOARDING TO BE CONSTRUCTED IN ACCORDANCE WITH CSA Z317,13–03.

D. CONTRACTOR IS TO ENSURE ALL EXISTING FLOORING TO REMAIN IS PROTECTED FOR ENTIRE DURATION OF CONSTRUCTION. ALL DAMAGED FLOOR FINISHES ARE TO BE PATCHED AND REPAIRED AT CONTRACTORS EXPENSE.

E. ADDITIONAL WORK NOT INDICATED ON THIS DRAWING MAY BE REQUIRED. REFER TO MECHANICAL DRAWINGS.

F. THOROUGHLY INSPECT ALL SURFACES INDICATED TO REMAIN. FULLY PATCH & REPAIR ANY VISIBLY DAMAGED AREAS TO MATCH EXISTING CONSTRUCTION & PREP FOR NEW FINISH.

G. REMOVE ALL WALL & CEILING MOUNTED EQUIPMENT & FURNITURE AS REQUIRED TO COMPLETE SCOPE OF WORK. PATCH & REPAIR AFFECTED AREAS TO MATCH EXISTING CONSTRUCTION & PREP FOR NEW FINISH.

H. CONTRACTOR TO PATCH, REPAIR AND REPAINT ANY AREAS DAMAGED OUTSIDE SCOPE OF WORK (IE: FLOORING, CEILING TILES).

I. CAREFULLY REMOVE AND REINSTATE EXISTING CEILING AS REQUIRED FOR NEW WORK. COORDINATE WITH MECHANICAL TO UNDERSTAND SCOPE OF REMOVALS REQUIRED.

J. CUT AND PATCH AS REQUIRED FOR THE INSTALLATION OF ALL NEW MECHANICAL SERVICES. COORDINATE WITH MECHANICAL TO UNDERSTAND SCOPE.

K. WHERE NEW FLOORING ABUTS EXISTING FLOORING, ENSURE THAT ALL TRANSITIONS ARE LEVEL THROUGHOUT.

NEW WORK:

- N1 REPAIR TERRAZO FLOOR AND BASE AT WALL TO BE FLUSH WITH EXISTING ADJACENT.
- N2 CLEAN AND MAKE GOOD TERRAZZO FLOOR AND BASE.
- N3 RELOCATED MOBILE WORKSTATIONS.
- N4 NEW IMPLANT CARTS (2) – SEE EQUIPMENT LIST.
- N5 NEW HEIGHT–ADJUSTABLE WORK TABLE – SEE EQUIPMENT LIST.
- N6 NEW HEIGHT–ADJUSTABLE WORK TABLE/SHELVING – SEE EQUIPMENT LIST.
- N7 NEW STERILIZER, TO BE INSTALLED BY EQUIPMENT VENDOR. CONTRACTOR TO MAKE FINAL CONNECTIONS – COORDINATE WITH EQUIPMENT VENDOR AND MECHANICAL AND ELECTRICAL DRAWINGS. MAINTAIN STAFF ACCESS TO OTHER STERILIZER AT ALL TIMES.
- N8 PATCH AND REPAIR WALL FINISH AROUND NEW STERILIZER.
- N9 NEW GYPSUM BOARD TO SUITE REMOVED PLASTER BOARD. PATCH AND PAINT.
- N10 PATCH AND PAINT MODIFIED OPENING IN BLOCK AND GYPSUM WALL. PROVIDE NEW STAINLESS STEEL ACCESS COVER TO SUIT NEW OPENING.
- N11 NEW GYPSUM BOARD BULKHEAD, TO ALIGN WITH EXISTING BULKHEADS ON EITHER END.
- N12 RELOCATED COMPRESSED AIR HOSE REEL.
- N13 NEW CEILING TILE ACT1 THROUGHOUT. REFER TO SPEC.
- N14 EQUIPMENT (DRYER) TO BE RELOCATED BY OWNER. CONTRACTOR TO PROVIDE NEW POWER IN THIS LOCATION. REFER TO ELECTRICAL DRAWINGS.

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PLO Proj. No.	TBD
MOHLTC #	N/A

ONTARIO ASSOCIATION OF ARCHITECTS
ROBERT J. MATLON
LICENCE 5517

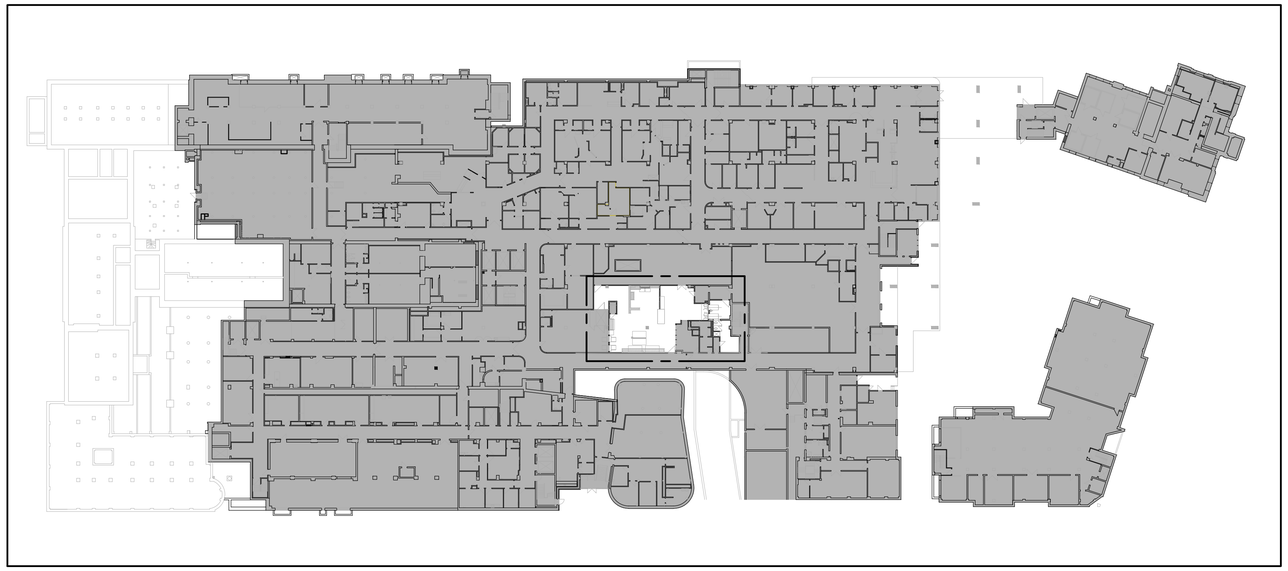
Sheet Name
ARCHITECTURAL NEW WORK

Scale AS NOTED

Sheet Number
A100

Project Status
CONTRACT DOCUMENTS

10358808 HDH MDR Ph2 Infrastr.dwg



1 M100 KEY PLAN
SCALE: 1:500

LEGEND - HYDRONIC SYSTEMS

HPS	HIGH PRESSURE STEAM
CND	CONDENSATE PIPING
CND (R)	CONDENSATE RETURN PIPING
	PIPE UP TO ABOVE
	PIPE DOWN TO BELOW
	UNION
	CIRCUIT BALANCING VLAVE
	BUTTERFLY VALVE
	CHECK VALVE
	WATER METER
	PUMP
	3-WAY MIXING VALVE
	PRESSURE RELIEF
	PRESSURE REDUCING VALVE
	AUTOMATIC AIR VENT
	TEMPERATURE SENSOR C/W IMMERSION WELL
	THERMOMETER
	PRESSURE GAUGE
	HOSE BIB (DRAIN)
S-*	STERILIZER
IF-*	INLINE FILTER
SS-*	STEAM SEPARATOR
P-*	PUMP

LEGEND - HVAC

	DUCTWORK TO BE REMOVED
	RIGID DUCTWORK
	RIGID DUCT C/W ACOUSTIC LINER
	HIDDEN DUCTWORK
	SUPPLY DUCT UP TO ABOVE
	RETURN DUCT UP TO ABOVE
	EXHAUST DUCT UP TO ABOVE
	SUPPLY DUCT DOWN TO BELOW
	RETURN DUCT DOWN TO BELOW
	EXHAUST DUCT DOWN TO BELOW
	SUPPLY DIFFUSERS
	RETURN / TRANSFER GRILLE
	SUPPLY GRILLE
	EXHAUST GRILLE
BDD	BALANCING BACKDRAFT DAMPER
BD	BALANCING DAMPER
FD	FIRE DAMPER

LEGEND - FIRE PROTECTION

	SPRINKLER HEAD
SPKLR	SPRINKLER MAIN/BRANCH
	GATE VALVE
S	SUPERVISED BUTTERFLY VALVE
	BALL VALVE
	PRESSURE GAUGE
FS	FLOW SWITCH
TD	TEST AND DRAIN DEVICE
FE-1	FIRE EXTINGUISHER (10A-20BC)
	SIAMESE CONNECTION

NOTE:
* INDICATES TYPE AS SPECIFIED

DRAINAGE & PLUMBING SYSTEMS - LEGEND

	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	DOMESTIC HOT WATER RECIRCULATION PIPING
SAN	SANITARY PIPING ABOVE GRADE
SAN	SANITARY PIPING BELOW FLOOR OR SLAB
V	VENT PIPING
CO	CLEANOUT (PROVIDE ACCESS AT FLOOR SURFACE)
CO	CLEANOUT (PROVIDE ACCESS ABOVE FLOOR SURFACE)
P	PROPANE PIPING
	SANITARY TRAP
	PIPE UP TO ABOVE
	PIPE DOWN TO BELOW
	PIPE CONNECTION TO ABOVE
	PIPE CONNECTION TO BELOW
	REDUCER
	UNION
	CIRCUIT BALANCING VLAVE
	BALL VALVE
	CHECK VALVE
	WATER METER
	PUMP
FD-*	FLOOR DRAIN

NOTE:
* INDICATES TYPE AS SPECIFIED

LEGEND - LINE WEIGHT

	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW WORK

GENERAL NOTES

1. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, MEASUREMENTS AND OBSTRUCTIONS AND NOTIFY OWNER OF ANY OBSERVED OBSTRUCTIONS NOT INDICATED IN THIS PROJECT MANUAL WHICH WOULD INHIBIT THE WORK TO BE PERFORMED AS INDICATED PRIOR TO TENDER CLOSE.
2. FLOORS SHALL BE SCANNED BEFORE ANY CORING IS DONE. COORDINATE WITH GENERAL CONTRACTOR.
3. PIPING SHOWN IS TO BE COORDINATED WITH ALL OTHER TRADES.
4. PROVIDE COMPLETE, FULLY TESTED AND OPERATIONAL MECHANICAL SYSTEMS TO MEET THE REQUIREMENTS DESCRIBED HEREIN AND IN COMPLETE ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES.
5. FOLLOW MANUFACTURERS RECOMMENDED INSTALLATION DETAILS AND PROCEDURES FOR EQUIPMENT, SUPPLEMENTED BY REQUIREMENTS OF CONTRACT DOCUMENTS.
6. CONTRACTOR SHALL PROVIDE PRE- AND POST-WORK AIRFLOW READINGS FOR ALL GRILLES AND DIFFUSERS WITHIN THE PROJECT AREA. BALANCE DIFFUSERS AND GRILLES TO MATCH RE-WORK READINGS.

DEMOLITION NOTES

1. EXISTING MECHANICAL SYSTEMS SHOWN ARE DIAGRAMMATIC AND ARE BASED ON ORIGINAL DRAWINGS. THE DRAWINGS MAY NOT REPRESENT "AS-BUILT" CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ON SITE PRIOR TO TENDER CLOSE, THE EXTENT AND CONFIGURATION OF EXISTING MECHANICAL SYSTEMS AND ALLOW FOR ADDITIONAL REMOVALS AS DETERMINED ON SITE TO MEET THE INTENT OF THE DEMOLITION INDICATED. NO EXTRAS WILL BE ALLOWED FOR FAILURE OF THE CONTRACTOR IN COMPLETING A THOROUGH REVIEW OF THE SITE PRIOR TO SUBMITTING TENDER PRICE.
2. PIPING REMOVALS TO INCLUDE HANGERS, SUPPORTS, RISERS, VALVES AND ALL OTHER ASSOCIATED EQUIPMENT.
3. REMOVE ALL REDUNDANT PIPING BACK TO MAIN AND CAP.
4. PROVIDE TEMPORARY MEASURES AS REQUIRED TO MAINTAIN DRAINAGE AND VENTING OF SANITARY SERVICES WITHIN EXISTING STRUCTURE UNDER THIS CONTRACT THROUGHOUT DURATION OF CONSTRUCTION.
5. PROVIDE TEMPORARY MEASURES AS REQUIRED TO MAINTAIN DOMESTIC HOT AND COLD WATER TO AREAS WITHIN EXISTING STRUCTURE WHICH MAY BE AFFECTED BY CONSTRUCTION WORK UNDER THIS CONTRACT THROUGHOUT THE DURATION OF CONSTRUCTION.

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Drawn By	CG

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Project Number	10358808
PLO Proj. No.	TBD
MOHLTC #	N/A

LICENSED PROFESSIONAL ENGINEER
2023-05-16
W. A. KNIGHT
100172724
PROVINCE OF ONTARIO

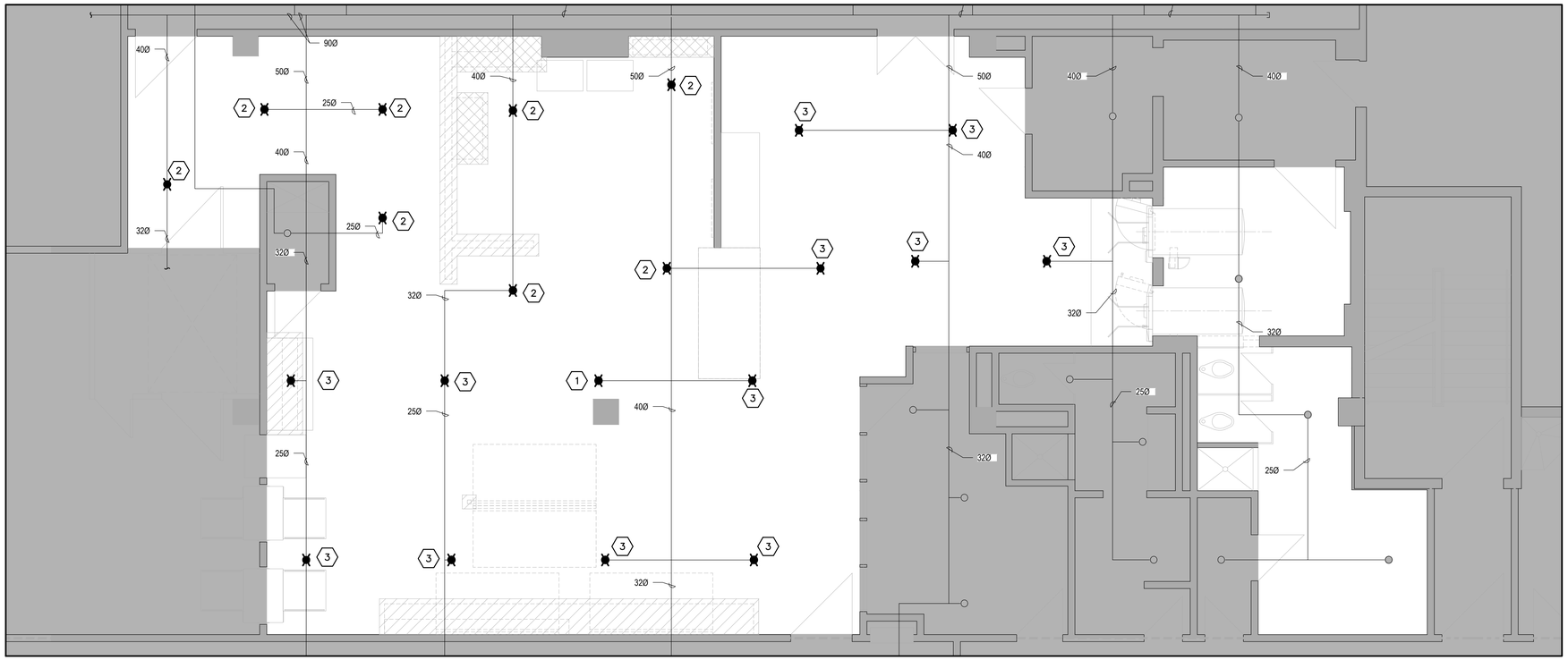
Sheet Name
KEY PLAN AND LEGENDS

Scale AS NOTED

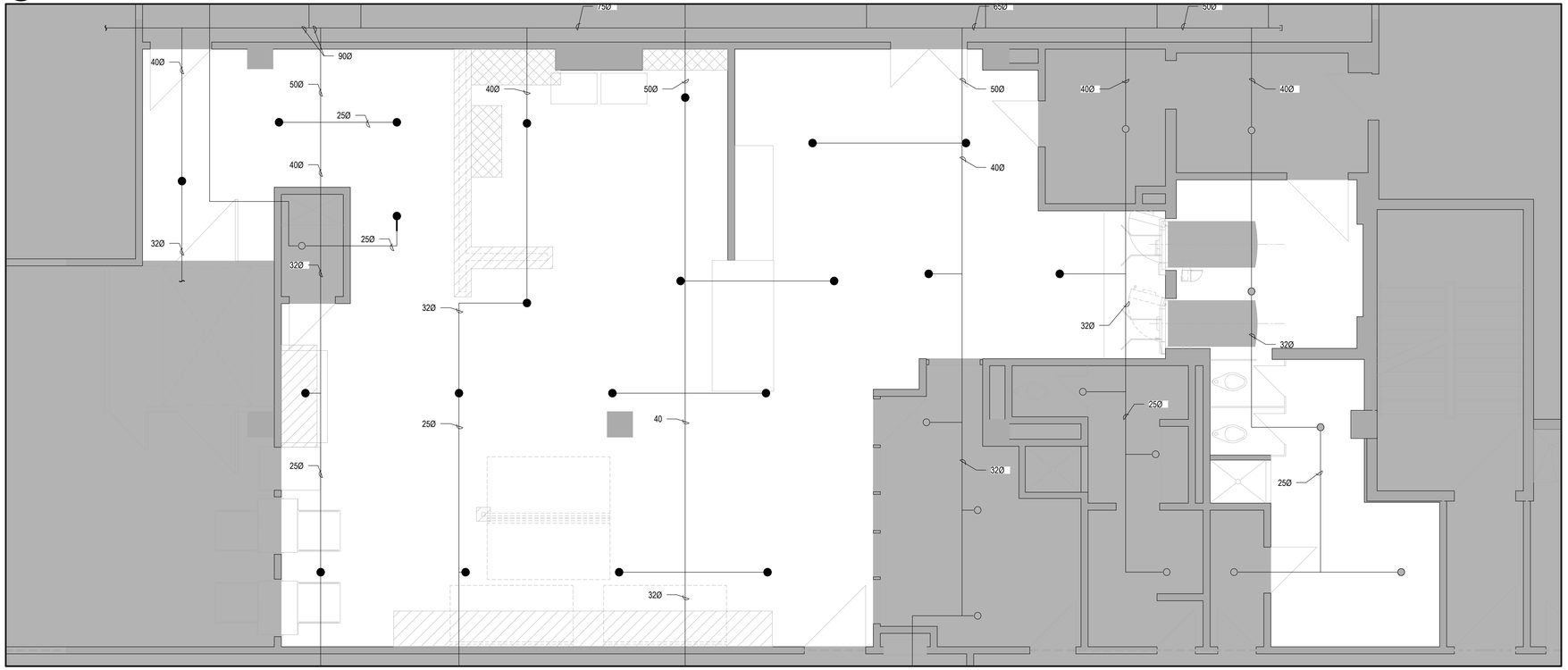
Sheet Number
M100

Project Status
ISSUED FOR BID/PERMIT

221-13330-00-MECH.dwg



1 M101 FIRE PROTECTION - DEMOLITION
SCALE: 1:50



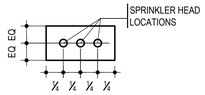
2 M101 FIRE PROTECTION - NEW WORK
SCALE: 1:50

DRAWING NOTES

1. REPLACE EXISTING SPRINKLER HEAD WITH HIGHER TEMPERATURE RATED HEAD, CONCEALED.
2. REPLACE EXISTING SPRINKLER HEAD WITH CONCEALED SPRINKLER HEAD AND RELOCATE TO SUIT CEILING MODIFICATIONS. TYP OF 8.
3. REPLACE EXISTING PENDANT SPRINKLER HEAD WITH CONCEALED SPRINKLER HEAD IN SAME LOCATION.

FIRE PROTECTION NOTES

1. SPRINKLER WORK TO MEET NFPA 13.
2. SPRINKLER COVERAGE TO BE LIGHT HAZARD, UNLESS OTHERWISE NOTED.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT CEILING LAYOUTS.
4. REFER TO ELECTRICAL DRAWINGS FOR LIGHTING LAYOUT COORDINATION.
5. REFER TO MECHANICAL DRAWINGS FOR DIFFUSER/GRILLE LAYOUT COORDINATION.
6. SPRINKLER SYSTEM LAYOUT SHALL BE CLOSELY COORDINATED WITH DUCTWORK, PLUMBING, ELECTRICAL, STRUCTURAL, AND ARCHITECTURAL ELEMENTS. PIPING SHOWN ON DRAWINGS IS FOR GUIDANCE AND GENERAL ROUTING ONLY. SPRINKLER CONTRACTOR SHALL PROVIDE ALL NECESSARY PIPING FITTINGS REQUIRED FOR INSTALLATION.
7. SPRINKLER CONTRACTOR TO CHECK SPRINKLER COVERAGE AND PROVIDE HEADS TO MEET NFPA 13 SPACING, OBSTRUCTION RULES OR COVERAGE REQUIREMENTS.
8. WHERE SPRINKLER HEADS AND PIPING ARE NOT SHOWN, CONTRACTOR TO LAYOUT SPRINKLER HEADS AND PIPING IN ACCORDANCE WITH NFPA 13.
9. NO PENETRATIONS ARE PERMITTED THROUGH BLOCK LINTELS OR BOND BEAMS, UNLESS APPROVED BY STRUCTURAL ENGINEER.
10. SPRINKLER INSTALLATION TO BE CONCEALED IN AREAS WITH FINISHED CEILINGS AND EXPOSED IN AREAS OF EXPOSED CONSTRUCTION.
11. SPRINKLER HEAD LOCATIONS SHOWN ARE FOR REFERENCE ONLY. REFLECTED CEILING PLANS ARE SHOWN FOR REFERENCE ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT CEILING LAYOUTS.
12. SPRINKLER MAINS AND BRANCH LINES ARE NOT TO BE ROUTED WHERE CABLE TRAY IS LOCATED.
13. MAINTAIN 900mm CLEARANCE FROM ALL MECHANICAL AND ELECTRICAL EQUIPMENT AND VALVES WITHIN CEILING SPACE.
14. PENDANT HEADS IN PREACTION SYSTEMS SHALL BE INSTALLED WITH RETURN BEND BRANCH PIPING.
15. CONTRACTOR SHALL COORDINATE SPRINKLER HEAD LAYOUTS WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS IN ORDER TO AVOID OBSTRUCTION OF SPRINKLER HEAD. SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF TILES IN T-BAR CEILINGS IN ONE OF THE FOLLOWING LOCATIONS:



CONTRACT DRAWINGS

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Project Designer	
Project Architect	**RM**
Landscape Architect	
Civil Architect	
Structural Engineer	
Mechanical Engineer	**WSP Canada Inc.**
Electrical Engineer	**WSP Canada Inc.**
Interior Designer	
Equipment Planner	
Wayfinding	
Drawn By	**CG**

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MOHLTC #	**N/A**

LICENSED PROFESSIONAL ENGINEER
2023-05-16
W. A. KNIGHT
100172724
PROVINCE OF ONTARIO

Sheet Name

PARTIAL LEVEL 0 FIRE PROTECTION DEMOLITION & NEW

Scale **AS NOTED**

Sheet Number

M101

Project Status

ISSUED FOR BID/PERMIT

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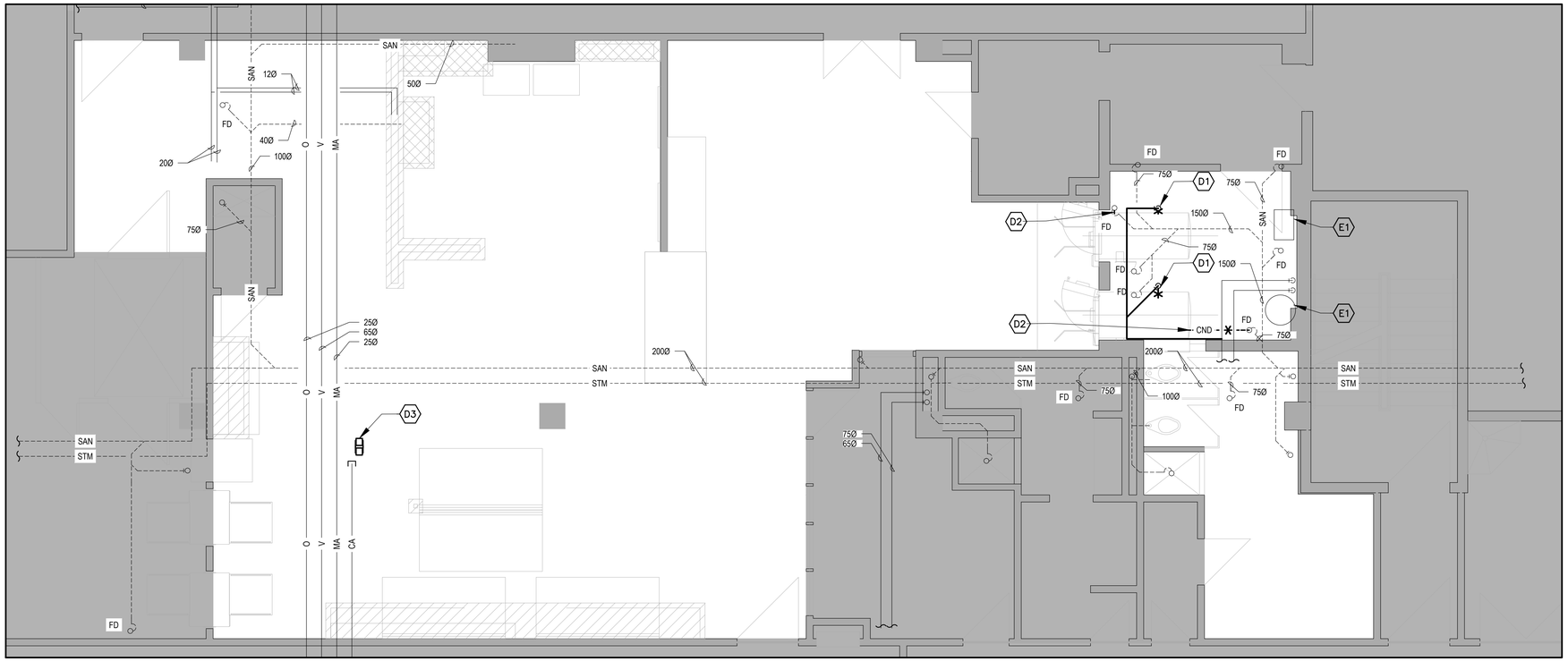
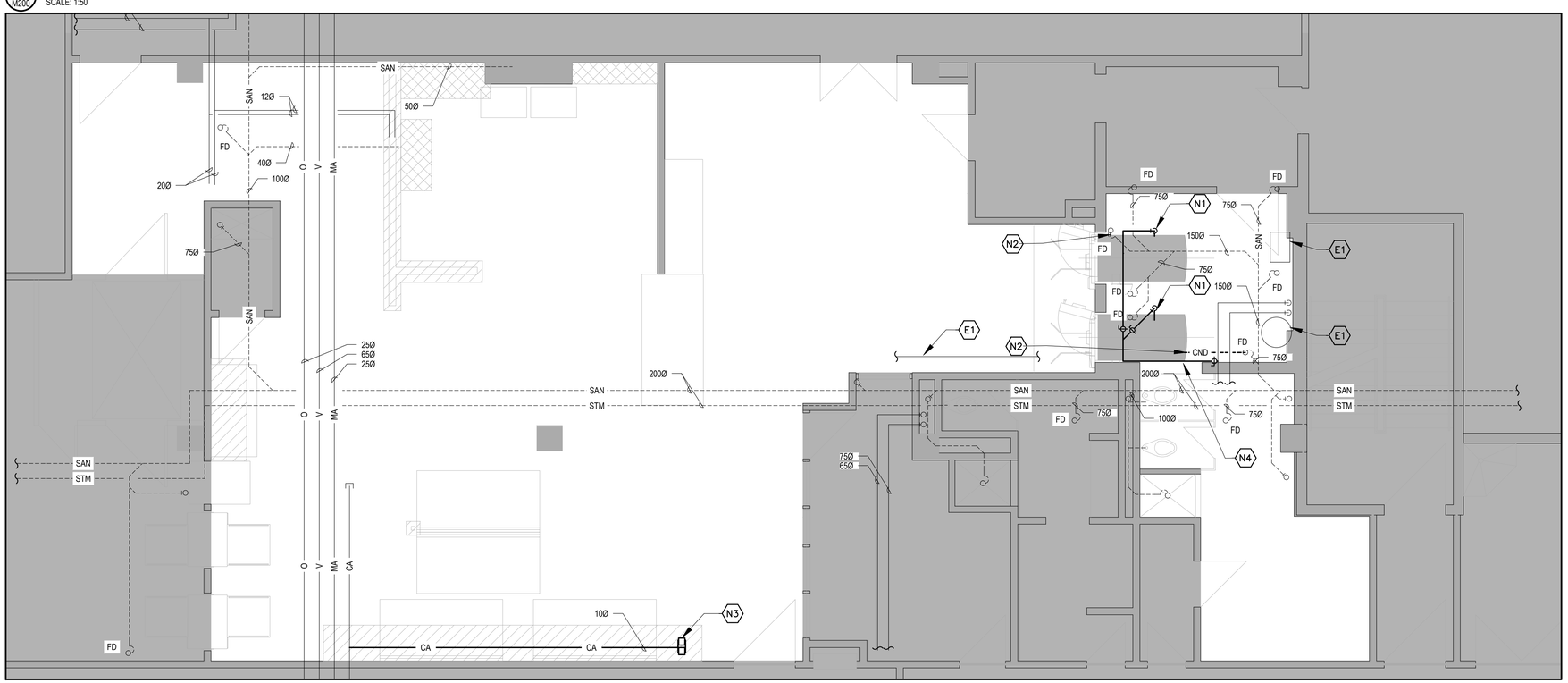


1 M200 PLUMBING - DEMOLITION
SCALE: 1:50



2 M200 PLUMBING - NEW WORK
SCALE: 1:50

DRAWING NOTES

E1 REVERSE OSMOSIS EQUIPMENT, MIXING VALVE, HOLDING TANK & ALL ASSOCIATED PIPING TO REMAIN. CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY REMOVING EQUIPMENT AS NECESSARY TO INSTALL NEW STERILIZERS AND TO REMOVE EXISTING RETURN GRILLE. ALL WORK AFFECTING THE REVERSE OSMOSIS SYSTEM IS TO BE PERFORMED OUTSIDE MDR OPERATING HOURS, WITH R.O. SYSTEM CLEANED AND RETURNED TO OPERATION BY THE NEXT WORKING DAY. ALL R.O. SYSTEM WORK IS TO BE COORDINATED WITH THE OWNER.

D1 REMOVE DCW PIPE FROM STERILIZER BACK TO MAIN TO ALLOW FOR NEW STERILIZER TO BE INSTALLED. REFER TO 3/M300 FOR MORE DETAILS.

D2 REMOVE DRAIN PIPING FROM STERILIZER TO FLOOR DRAIN TO ALLOW FOR NEW STERILIZER TO BE INSTALLED. REFER TO 3/M300 FOR MORE DETAILS.

D3 RELOCATE EXISTING COMPRESSED AIR HOSE REEL. REFER TO 2/M200 FOR NEW LOCATION. CAP COMPRESSED AIR LINE WITHIN CEILING.

N1 PROVIDE 25Ø DCW BRANCH FROM MAIN TO STERILIZER AND CONNECT TO STERILIZER. REFER TO 3/M300 FOR MORE DETAILS.

N2 PROVIDE DRAIN PIPING FROM STERILIZER TO EXISTING FLOOR DRAIN. REFER TO 3/M300 FOR MORE DETAILS.

N3 RELOCATE EXISTING COMPRESSED AIR HOSE REEL. PROVIDE 10Ø COMPRESSED AIR LINE FROM EXISTING MAIN IN CEILING SPACE AND CONNECT TO RELOCATED HOSE REEL. COORDINATE INSTALLATION WITH ARCHITECTURAL CEILINGS. COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS AND GENERAL CONTRACTOR.

N4 PROVIDE RP-TYPE BACKFLOW PREVENTER ON 32Ø DCW LINE SERVING STERILIZERS. INSTALLE PER CSA B64.10-17. COORDINATE INSTALLATION AND ACCESS WITH EXISTING SERVICES. REFER TO 3/M300 FOR DETAIL.

CONTRACT DRAWINGS

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Drawn By	CG

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PLO Proj. No.	TBD
MOHLTC #	N/A

LICENSED PROFESSIONAL ENGINEER
2023-05-16
W. A. KNIGHT
100172724
PROVINCE OF ONTARIO

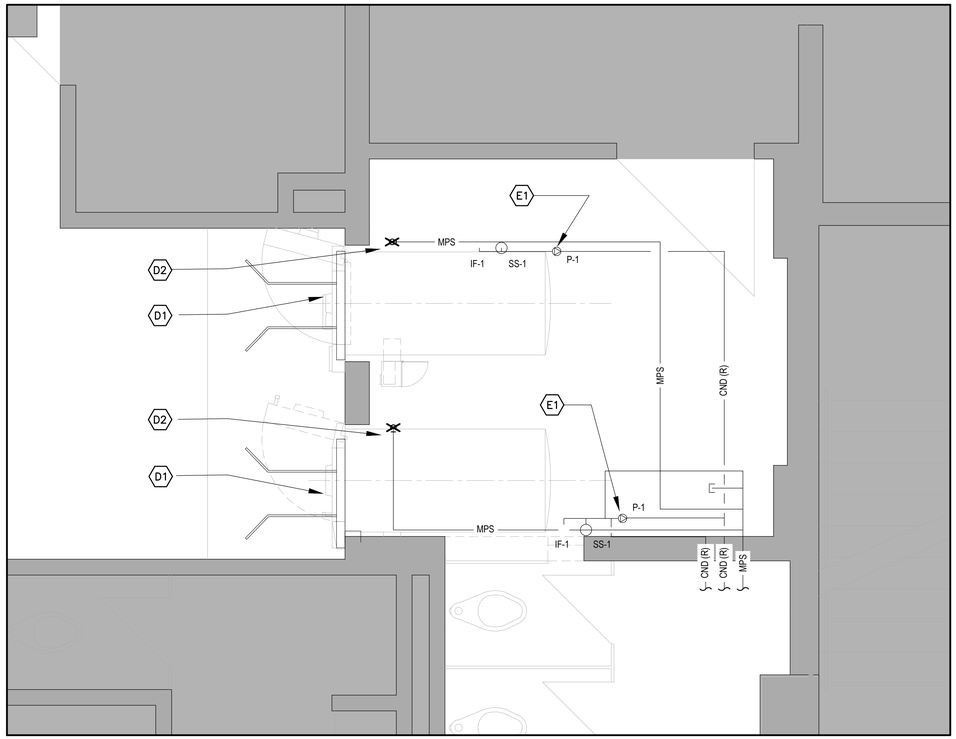
Sheet Name
PARTIAL LEVEL 0 PLUMBING SYSTEMS DEMOLITION & NEW

Scale AS NOTED

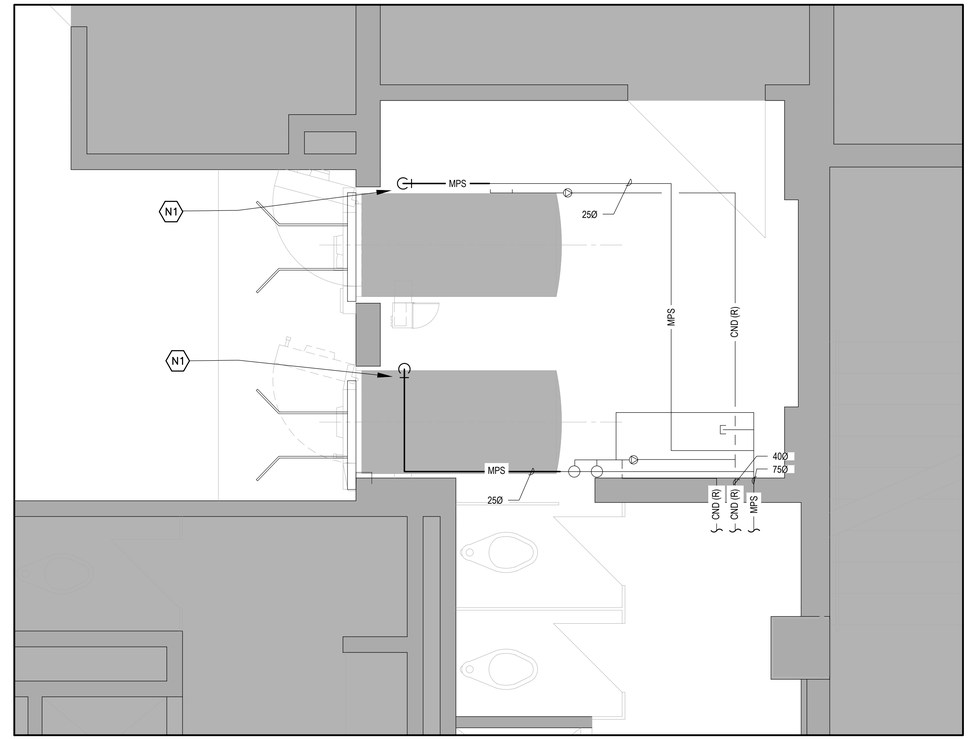
Sheet Number
M200

Project Status
ISSUED FOR BID/PERMIT

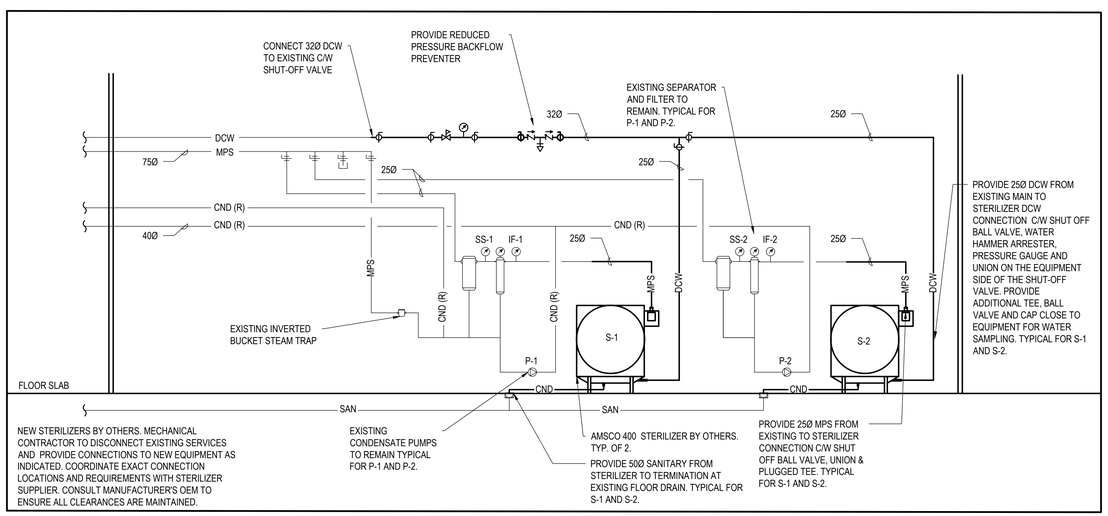
221-13330-00-MECHR1.dwg



1 M300 STEAM SYSTEMS - DEMOLITION
SCALE: 1:25



2 M300 STEAM SYSTEMS - NEW WORK
SCALE: 1:25



3 M300 STERILIZER PIPING DETAIL
SCALE: NTS

DRAWING NOTES

D1	DISCONNECT EXISTING STERILIZERS.
D2	REMOVE MPS STEAM PIPING FROM STERILIZER UP TO HIGH LEVEL TO ALLOW ROOM FOR NEW STERILIZERS TO BE INSTALLED. REFER TO 3/M300 FOR MORE DETAILS.
E1	EXISTING CONDENSATE RECEIVER, PUMP, ACCESSORIES AND PIPING TO REMAIN.
N1	CONNECT NEW STERILIZERS C/W ALL ASSOCIATED PIPING AS INDICATED. PROVIDE 25Ø STEAM PIPING FROM EXISTING TO STERILIZER.

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PARTIAL LEVEL 0 STEAM SYSTEMS DEMOLITION & NEW

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M300

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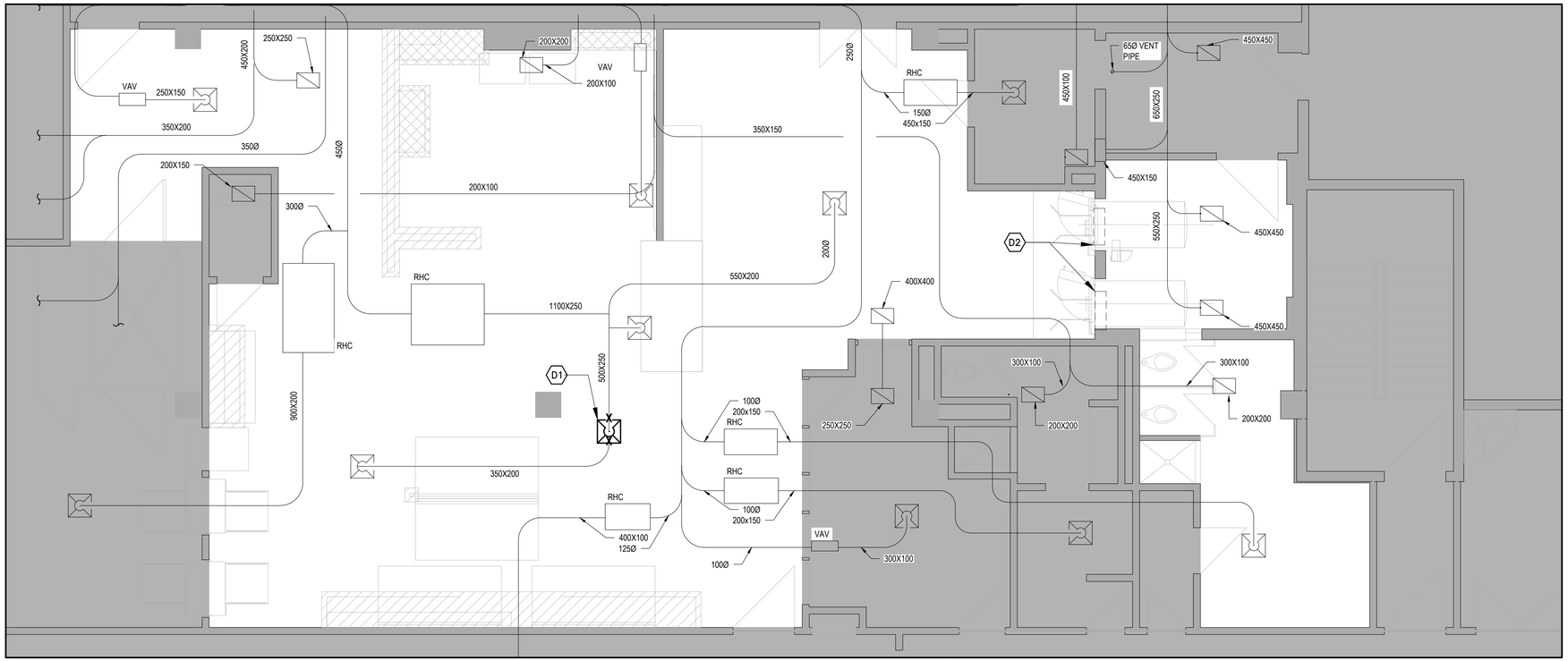
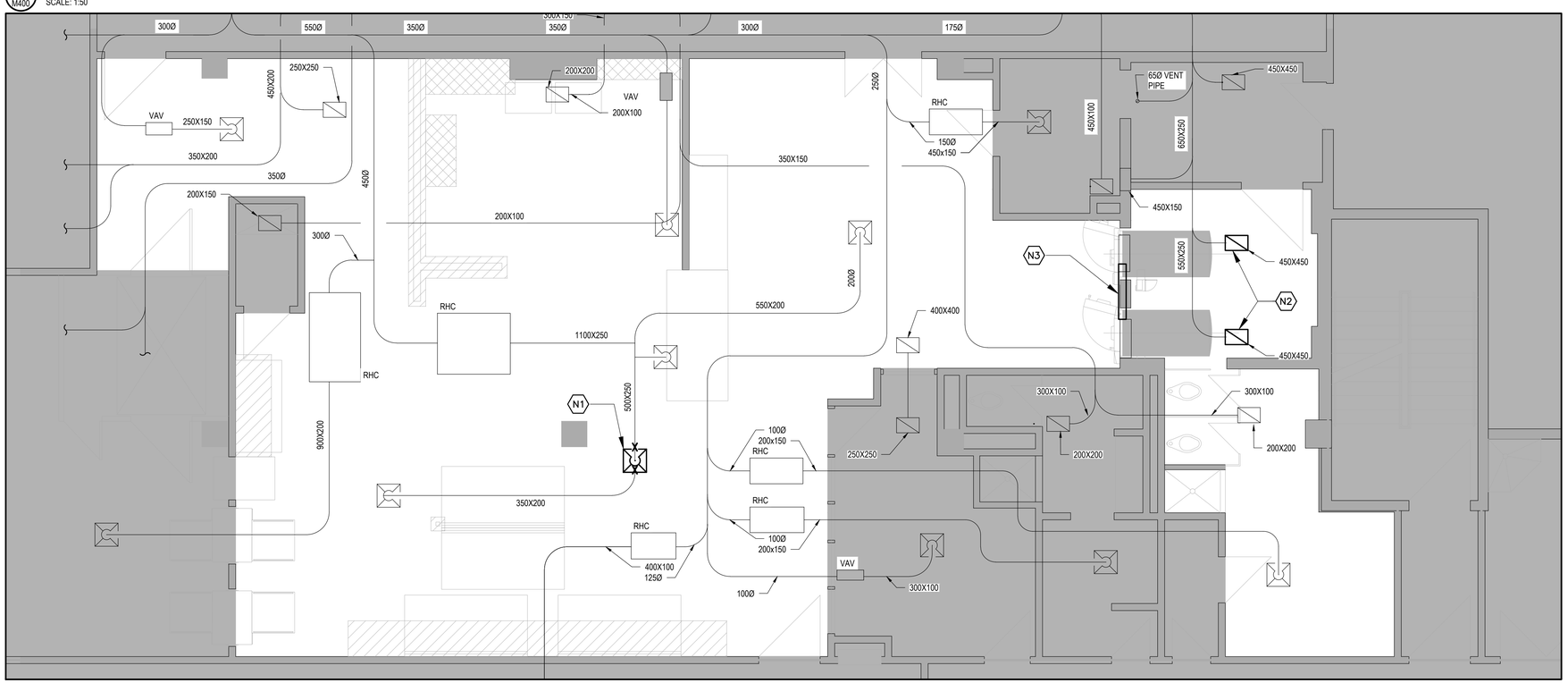


1 M400 HVAC - DEMOLITION
SCALE: 1:50



2 M400 HVAC - NEW WORK
SCALE: 1:50

DRAWING NOTES

D1 REMOVE 600X600 SQUARE CONE DIFFUSER

D2 REMOVE EXISTING TRANSFER GRILLE (TYP. OF 2). EXISTING R.O. PIPING PASSES THROUGH EXISTING TRANSFER GRILLE. ALL WORK AFFECTING THE REVERSE OSMOSIS SYSTEM IS TO BE PERFORMED OUTSIDE MDR OPERATING HOURS, WITH R.O. SYSTEM CLEANED AND RETURNED TO OPERATION BY THE NEXT WORKING DAY. ALL R.O. SYSTEM WORK IS TO BE COORDINATED WITH THE OWNER.

N1 PROVIDE PRICE INDUSTRIES 600X600 SQUARE CONE DIFFUSER, SCDA. CONTRACTOR TO MATCH NECK SIZE OF EXISTING DIFFUSER BEING REMOVED. BALANCE DIFFUSER TO PRE-CONSTRUCTION AIRFLOW.

N2 450X450 GRILLES TO BE CAREFULLY REMOVED AND CLEANED BEFORE RE-INSTALLING. RE-BALANCE TO PRE-CONSTRUCTION AIRFLOW.

N3 PROVIDE STAINLESS STEEL1100 X 400 TRANSFER GRILLE (PRICE 730) C/W WALL SLEEVE AND BALANCING DAMPER

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PARTIAL LEVEL 0 HVAC SYSTEMS DEMOLITION & NEW

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M400

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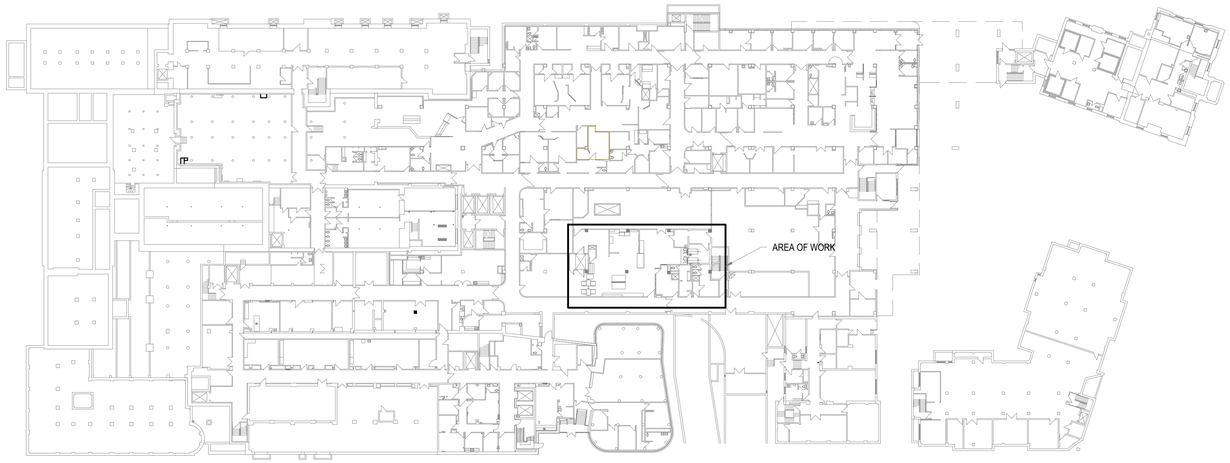

1 E101 KEY PLAN
SCALE: 1:500

KW	LEG	DESCRIPTION	BKR	CCT #	CCT #	BKR	DESCRIPTION	LEG	KW
-	-	EXISTING CIRCUIT	100 3P	1	2	15	**MDR SOUTH WORKBENCH RECEPTACLES**	P	0.8
				3	4	15	**MDR NORTH WORKBENCH RECEPTACLES**	P	0.6
				5	6	15	**MDR NORTH WALL RECEPTACLES**	P	0.2
-	-	STEAM STERILIZER 2 (REUSE EXISTING BREAKER)	15 3P	7	8	15 3P	STEAM STERILIZER 1 (REUSE EXISTING BREAKER)	-	-
				9	10				
				11	12				
-	-	STEAM STERILIZER	15	13	14	15	STER CONTROLS (REUSE EXISTING BREAKER)	-	-
-	-	PHOTO EYE BOX	15	15	16	15 2P	SPARE	-	-
-	-	ELECTRIC STERILIZER	20 3P	17	18				
				19	20	15 2P	SPARE	-	-
				21	22				
-	-	HOUSE KEEPING RECEPTACLE	15	23	24	15	SPARE	-	-
-	-	HOUSE KEEPING RECEPTACLE	15	25	26	15	CONDENSATE PUMP	-	-
-	-	HOUSE KEEPING RECEPTACLE	15	27	28	15	HOUSE KEEPING RECEPTACLE	-	-
-	-	SPACE	-	29	30	15	CONDENSATE PUMP	-	-

TYPE: SQUARE D QOC30UC	SHORT CIRCUIT RATING: 10 KAIC
MAINS RATING: 100A	
MAIN BREAKER C/W BARRIER: N/A	LEGEND:
VOLTAGE RATING: 120/208V-3PH-4W	P-POWER, H-HEATING, L-LIGHTING, M-MOTOR, *-GFCI BKR ITEMS IN **BOLD** ARE TO BE PROVIDED NEW

2 E101 PANEL JMO-108 SCHEDULE
SCALE: NTS

ELECTRICAL DEMOLITION LEGEND

- D — REMOVE 300x1200mm T-BAR RECESSED FLUORESCENT TROFFER. REWORK CONDUIT AND WIRING AS REQUIRED TO SUIT THE NEW LIGHTING LAYOUT.
- D1 — REMOVE 600x1200mm T-BAR RECESSED FLUORESCENT TROFFER. REWORK CONDUIT AND WIRING AS REQUIRED TO SUIT THE NEW LIGHTING LAYOUT.
- D2 — REMOVE 600x600mm T-BAR RECESSED FLUORESCENT TROFFER. REWORK CONDUIT AND WIRING AS REQUIRED TO SUIT THE NEW LIGHTING LAYOUT.
- D3 — REMOVE 300x1200mm VAPORTIGHT SURFACE MOUNTED FLUORESCENT TROFFER. REWORK CONDUIT AND WIRING AS REQUIRED TO SUIT THE NEW LIGHTING LAYOUT.
- X — REMOVE EXIT SIGN AND REUSE EXISTING WIRING FOR NEW EXIT SIGN.
- REMOVE 15A-120V DUPLEX RECEPTACLE.
- RELOCATE 30A-120V (5-30R) RECEPTACLE REWORK/EXTEND CONDUIT AND WIRING AS REQUIRED.
- JB — REMOVE JUNCTION BOX C/W CONDUIT AND WIRING BACK TO SOURCE UNLESS NOTED OTHERWISE.
- PP — REMOVE POWER POLE AND REWORK CONDUIT AND WIRING AS REQUIRED TO SUIT THE NEW LAYOUT.
- $ — REMOVE TOGGLE SWITCH C/W CONDUIT AND WIRING BACK TO SOURCE
- T — RELOCATE THERMOSTAT AND EXTEND CONDUIT AND WIRING AS REQUIRED, REFER TO NEW LAYOUT.
- SP — REMOVE PA SPEAKER C/W CONDUIT AND WIRING BACK TO SOURCE.
- PA — REMOVE PA SYSTEM C/W CONDUIT AND WIRING BACK TO SOURCE.
- WAP — RELOCATE WIRELESS ACCESS POINT TO NEW FINISHED CEILING.
- RB — RELOCATE REMOTE BUZZER AND EXTEND CONDUIT AND WIRING AS REQUIRED TO SUIT THE NEW LOCATION.
- # — REMOVE DATA OUTLET C/W CONDUIT AND WIRING BACK TO SOURCE UNLESS INDICATED OTHERWISE. NUMBER BESIDE INDICATES THE NUMBER OF KEYSTONES/CABLES.
- FSP — RELOCATE FIRE ALARM SPEAKER.
- TOGGLE SWITCH TO REMAIN.
- 3 — 3-WAY TOGGLE SWITCH TO REMAIN.
- 15A-120V DUPLEX RECEPTACLE TO REMAIN.
- BC — DEVICE BOX WITH BLANK COVER TO REMAIN.
- T — THERMOSTAT TO REMAIN.
- RB — REMOTE BUZZER TO REMAIN.

ELECTRICAL LEGEND

- A — PROVIDE 300x1200mm T-BAR RECESSED LED FLAT PANEL. REWORK CONDUIT AND WIRING AS REQUIRED. STANDARD OF ACCEPTANCE SYLVANIA MODEL# PANELF-3B-045-UNV-D-8-SC7-14-G-WH OR APPROVED ALTERNATE.
- A1 — PROVIDE 600x1200mm T-BAR RECESSED FLUORESCENT TROFFER. REWORK CONDUIT AND WIRING AS REQUIRED TO SUIT. STANDARD OF ACCEPTANCE SYLVANIA MODEL# PANELF-3B-045-UNV-D-8-SC7-24-G-WH OR APPROVED ALTERNATE.
- B — PROVIDE 300x1200mm VAPORTIGHT RECESSED LED TROFFER. REWORK CONDUIT AND WIRING AS REQUIRED. STANDARD OF ACCEPTANCE CERTOLUX MODEL# CRS-3555-1X4-A/A-LED-8-35K-035L-UNV OR APPROVED ALTERNATE.
- C — PROVIDE 1200mm SUSPENDED LED STRIP LIGHT C/W WIREGUARD. REWORK CONDUIT AND WIRING AS REQUIRED. STANDARD OF ACCEPTANCE VISIONEERING MODEL# LCOM-48-LED-35K-044L-UNV-P77-W5 OR APPROVED ALTERNATE.
- X — PROVIDE PICTOGRAM EXIT SIGN AND REUSE EXISTING WIRING. STANDARD OF ACCEPTANCE EMERGI-LITE MODEL# EA-3-W-U OR APPROVED ALTERNATE.
- PROVIDE 15A-120V DUPLEX RECEPTACLE
- PROVIDE 15A-120V QUAD RECEPTACLE
- PROVIDE DISCONNECT SWITCH. REFER TO PLANS FOR DETAILS.
- PROVIDE DATA OUTLET C/W 21mmC TO ACCESSIBLE CABLE TRAY. NUMBER BESIDE SYMBOL INDICATES THE NUMBER OF KEYSTONES AND CAT6 CABLES REQUIRED. CAT6 CABLING TO BE ROUTED THROUGH CONDUIT AND CABLE TRAY PATHWAY TO IT ROOM.
- HATCHING DENOTES FIXTURE WIRED TO EMERGENCY POWER.

GENERAL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES FULLY WITH ALL EXISTING CONDITIONS BEARING UPON SCOPE OF WORK INDENTIFIED IN THE PROJECT DRAWINGS AND SPECIFICATIONS AND FOR INCLUSION OF ALL REQUIRED COSTS FOR THIS SCOPE OF WORK IN THE TENDER BID PRICE. CONTRACTOR SHALL BE RESPONSIBLE FOR:
   - UNDERSTANDING OF EXISTING SYSTEMS' CONNECTIVITY REQUIREMENTS, REARRANGEMENT OF EXISTING, PROVISION OF NEW SERVICES AND PROVISIONS TO MAINTAIN EXISTING SYSTEM CONNECTIVITY REQUIREMENTS.
   - INCLUDE ALL COSTS ASSOCIATED WITH DEMOLITION WORK AND ANY REQUIRED RE-FEEDING OF EXISTING SERVICES TO BE MAINTAINED AFTER COMPLETION OF DEMOLITION AND NEW WORK.
   - DISCONNECT ALL EXISTING BRANCH CIRCUITS AND REMOVE ALL CONDUITS, JUNCTION BOXES, PULL BOXES, AND ASSOCIATED SUPPORT PROVISIONS ASSOCIATED WITH OBSOLETE DEVICES AND EQUIPMENT IN THE AREAS AFFECTED BY THE SCOPE OF WORK OF THIS PROJECT. CUTTING BACK AND ABANDONING CONDUITS AND/OR WIRING IN EXISTING WALL AND/OR CEILING SPACE SHALL NOT BE PERMITTED. ENSURE THAT FIRE ALARM, WIRELESS, NETWORK/INTERNET/INTRANET DEVICES AND OTHER VITAL SERVICES ARE NOT AFFECTED, OR RE-FEED THESE DEVICES AS REQUIRED TO MAINTAIN PROPER OPERATION. WHERE EXISTING SOURCES ARE TO BE RETAINED, LABEL THE CORRESPONDING EXISTING BREAKERS AS SPARE.
2. SHUTDOWN REQUEST IS TO BE SUBMITTED TO THE OWNER MINIMUM 2 WEEKS IN ADVANCE. CLEARLY IDENTIFY ALL OF THE AFFECTED AREAS AND LOADS, LIMIT THE SHUTDOWN TO 1 HOUR AT ONE TIME, SUBJECT TO OWNER'S APPROVAL. PROVIDE TEMPORARY POWER SUPPLY FOR ANY LOAD AS REQUESTED OR IDENTIFIED BY THE OWNER.
3. CONTRACTOR TO PROVIDE AN IDENTIFIED PRICE FOR NEW LED LIGHTING AS SHOWN ON THE NEW LIGHTING LAYOUT. IF THE OWNER DOES NOT CHOOSE TO PROCEED WITH THE IDENTIFIED PRICE THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFE REMOVAL AND STORAGE OF THE EXISTING FIXTURES AND RE-INSTALLATION OF THE EXISTING FIXTURES PER THE NEW LIGHTING LAYOUT.

ACRONYM LEGEND

CH	COUNTER HEIGHT
CM	CEILING MOUNTED
R	RELOCATED DEVICE

CONTRACT DRAWINGS

CONTRACT DRAWINGS FOR ELECTRICAL WORK ARE IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK AND GENERAL ARRANGEMENT FOR EQUIPMENT, CONDUIT AND OUTLETS. CONTRACTOR TO COORDINATE LAYOUT OF ELECTRICAL SYSTEMS WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL BUILDING COMPONENTS, AS WELL AS OTHER ELECTRICAL SYSTEMS. PROVIDE ADDITIONAL JUNCTION BOXES, FITTINGS, SUPPORTS, ETC. REQUIRED TO FACILITATE THE WORK. NO EXTRA PAYMENTS ARISING FROM FAILURE TO MAKE THIS COORDINATION WILL BE CONSIDERED.

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Project Manager	**RH**
Project Designer	
Project Architect	**RM**
Landscape Architect	
Civil Architect	
Structural Engineer	
Mechanical Engineer	**WSP Canada Inc.**
Electrical Engineer	**WSP Canada Inc.**
Interior Designer	
Equipment Planner	
Wayfinding	
Drawn By	**ML**

MARK	DATE	DESCRIPTION
1	2023-01-27	ISSUED FOR 66% REVIEW
2	2023-03-31	ISSUED FOR 99% REVIEW
3	2023-05-16	ISSUED FOR BID/PERMIT

Project Number	**10358808**
PLO Proj. No.	**TBD**
MOHLTC #	**N/A**

LICENSED PROFESSIONAL ENGINEER
2023-05-16
N.W.G. MURPHY
100058260
PROVINCE OF ONTARIO

Sheet Name
ELECTRICAL LEGEND AND DETAILS

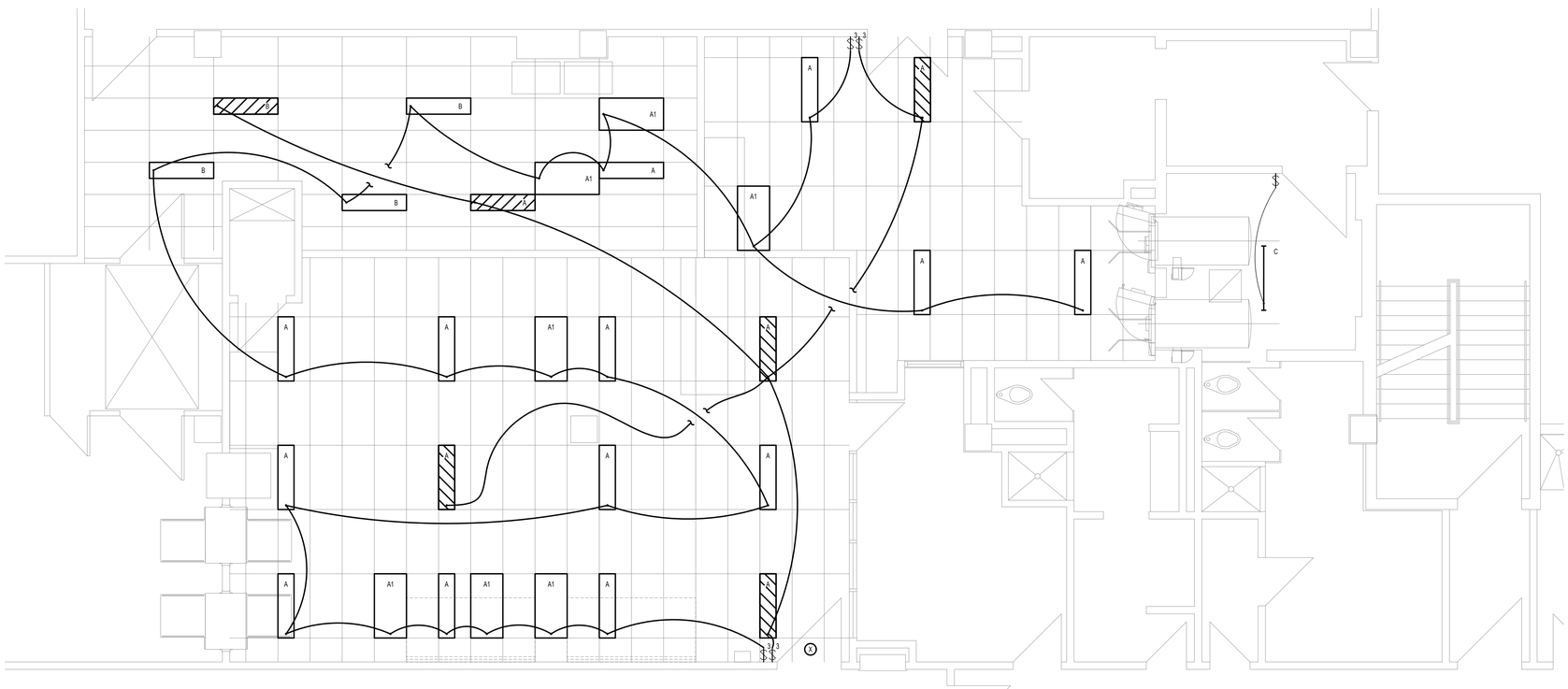
Scale AS NOTED

Sheet Number
E101

Project Status
ISSUED FOR BID/PERMIT

221-13330-00 - Electrical.dwg

1 E102 LIGHTING DEMOLITION LAYOUT
SCALE: 1:50



2 E102 LIGHTING LAYOUT
SCALE: 1:50

GENERAL NOTES:

1. EXISTING LIGHTING CIRCUITS TO BE REUSED/REWORKED AS REQUIRED TO SUIT THE NEW LIGHTING LAYOUT. EMERGENCY LIGHTING LAYOUT IS APPROXIMATE, EXISTING EMERGENCY CIRCUIT TO BE RECONNECTED TO NEW FIXTURES IN SAME LOCATIONS.

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Project Manager	**RH**
Project Designer	
Project Architect	**RM**
Landscape Architect	
Civil Architect	
Structural Engineer	
Mechanical Engineer	**WSP Canada Inc.**
Electrical Engineer	**WSP Canada Inc.**
Interior Designer	
Equipment Planner	
Wayfinding	
Drawn By	**ML**

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2023-05-16
N.W.G. MURPHY
100058860
PROVINCE OF ONTARIO

Sheet Name
LIGHTING LAYOUTS

Scale **AS NOTED**

Sheet Number
E102

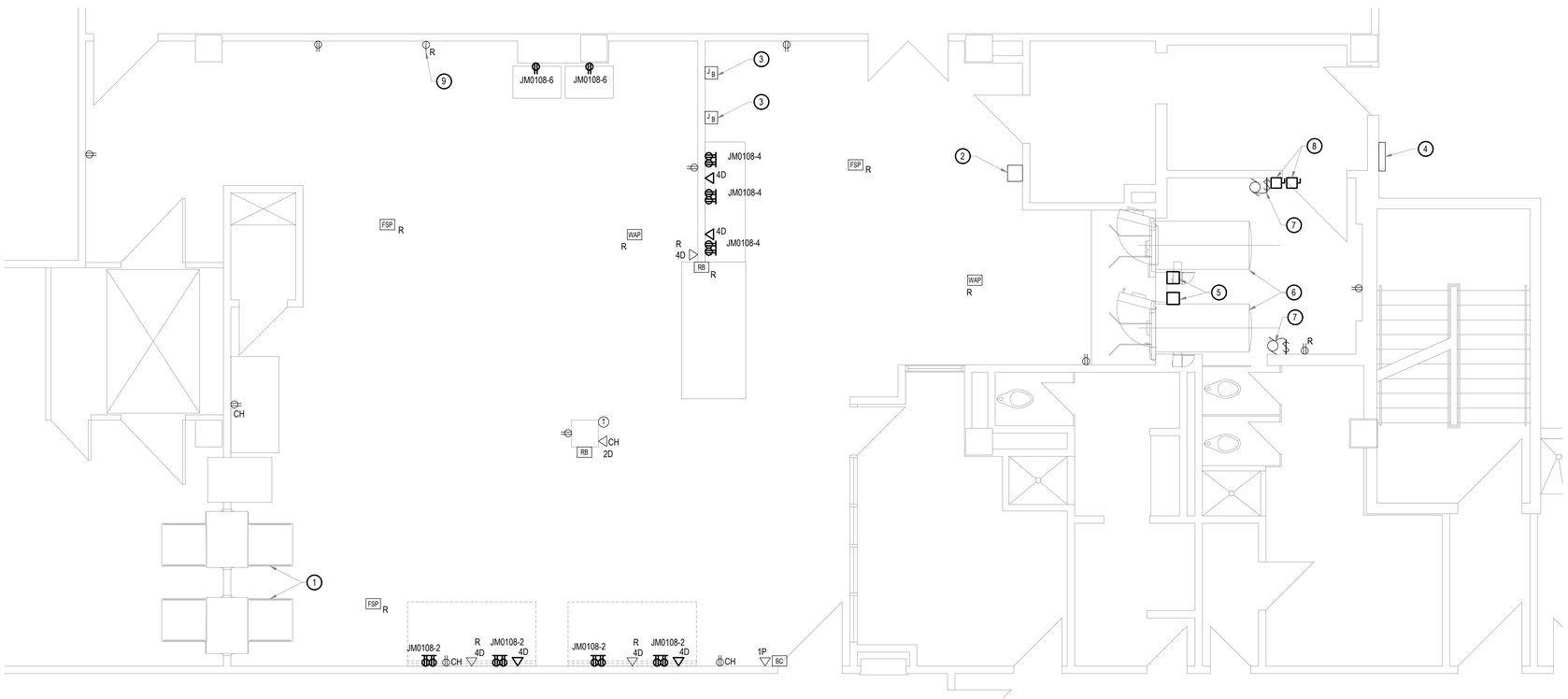
Project Status
ISSUED FOR BID/PERMIT

221-13330-00 - Electrical.dwg

1 E201 POWER AND SYSTEMS DEMOLITION LAYOUT
SCALE: 1:50

DRAWING NOTES:

1. EXISTING TRAY WASH EQUIPMENT TO REMAIN
2. EXISTING ROOM CONTROLLER TO REMAIN
3. JUNCTION BOX FOR EXISTING STERILIZER TO REMAIN
4. EXISTING PANEL JMO 108 (100A-120/208V-3PH-4W) TO REMAIN. REFER TO PANEL SCHEDULE.
5. DISCONNECT 15A-120V CONTROL CIRCUIT FROM STERILIZER. REWORK CONDUIT AND WIRING AS REQUIRED TO SUIT THE NEW STERILIZER UNIT CONTROLS.
6. DISCONNECT 15A-208V-3PH CIRCUIT FROM STERILIZER. REWORK CONDUIT AND WIRING AS REQUIRED TO SUIT NEW STERILIZER.
7. CONDENSATE PUMP AND TOGGLE SWITCH DISCONNECT TO REMAIN
8. RELOCATE CEILING MOUNTED DATA OUTLETS, REWORK WIRING AS REQUIRED TO SUIT THE NEW LAYOUT.
9. RELOCATE DUPLEX RECEPTACLE AND REWORK/EXTEND CONDUIT AND WIRING AS REQUIRED
10. RELOCATE RECEPTACLE FOR DRYER UNIT AND REWORK/EXTEND CONDUIT AND WIRING AS REQUIRED TO SUIT THE NEW LOCATION



2 E201 POWER AND SYSTEMS LAYOUT
SCALE: 1:50

DRAWING NOTES:

1. EXISTING TRAY WASH EQUIPMENT TO REMAIN
2. EXISTING ROOM CONTROLLER TO REMAIN
3. JUNCTION BOX FOR EXISTING STERILIZER TO REMAIN
4. EXISTING PANEL JMO 108 (100A-120/208V-3PH-4W) TO REMAIN. REFER TO PANEL SCHEDULE.
5. RECONNECT 15A-120V CONTROL CIRCUIT FOR NEW STERILIZER. REWORK CONDUIT AND WIRING AS REQUIRED.
6. RECONNECT 15A-208V-3PH CIRCUIT FOR NEW STERILIZER. REWORK CONDUIT AND WIRING AS REQUIRED.
7. CONDENSATE PUMP AND TOGGLE SWITCH DISCONNECT TO REMAIN
8. PROVIDE 30A-208V-3PH UNFUSED DISCONNECT SWITCH FOR NEW STERILIZER. REWORK CONDUIT AND WIRING AS REQUIRED.
9. RELOCATED RECEPTACLE FOR DRYER UNIT

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MOHLTC #	N/A

LICENSED PROFESSIONAL ENGINEER
2023-05-15
N.W.G. MURPHY
100068880
PROVINCE OF ONTARIO

Sheet Name
POWER AND SYSTEMS LAYOUTS

Scale AS NOTED

Sheet Number
E201

Project Status
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