

Autodesk Docs/10428557_SHSC_sw/25842_ED_Reno/10428557-A-SHSC-ED Reno.rvt

2/11/2026 3:00:25 PM

EXHAUST FAN SCHEDULE																				
REF. LETTER	DESIGNATION	PERFORMANCE DATA			MOTOR & FAN					VIBRATION			DRIVE	FEI	POWER (BHP)	STARTER			REMARKS	
		CAPACITY (L/S)	EXTERNAL S.P (Pa)	TOTAL S.P (Pa)	TYPE	[V/PHIHz]	MOTOR HP (KW)	FAN SPEED (RPM)	ENCLOSURE	STATIC DEFLECTION (mm)	ISOLATOR TYPE	BASE TYPE				ACCESSORIES IN COVER	REMOTE ACCESSORIES	ON BAS		FEEDER SIZE
F-4	DECONTAMINATION ROOM EXHAUST FAN	377.6	934.1	934.1	SWSI ARRANGEMENT 10, CLASS II	575/3/60	0.746	3085	OPEN	19	S1	C	BELT	1.30	0.614	CASING DRAIN, ACCESS DOOR IN SCROLL CASING, STUFFING BOX TYPE SHAFT SEALS	HOA	YES	C/W BELT GUARD, DRAIN CONNECTION, HIGH TEMPERATURE CONSTRUCTION - 500°F, AND WEATHER COVER	

GRILLE & DIFFUSER SCHEDULE						
REF. LETTER	APPLICATION	MANUFACTURER DATA		OPPOSED BLADE DAMPER	FINISH	REMARKS
		MANUFACTURER	MODEL DESCRIPTION SIZE INxIN (MMxMM)			
A1	CEILING SUPPLY DIFFUSER	EH PRICE	SPD 12"x12" (300x300)	-	HOSPITAL WHITE	INLET SIZE AS INDICATED ON DRAWINGS.
A2	CEILING SUPPLY DIFFUSER	EH PRICE	SPD 24"x24" (600x600)	-	HOSPITAL WHITE	INLET SIZE AS INDICATED ON DRAWINGS.
C1	RETURN/EXHAUST GRILLE	EH PRICE	80 EGG CRATE 12"x12" (300x300)	-	HOSPITAL WHITE	-
C2	RETURN/EXHAUST GRILLE	EH PRICE	80 EGG CRATE 24"x24" (600x600)	-	HOSPITAL WHITE	-

SUPPLY HOT WATER REHEAT TERMINAL BOX UNIT SCHEDULE														
MANUFACTURERS DATA					REHEAT COIL DATA								DISCHARGE DUCT SIZE	REMARKS
UNIT SIZE	INLET DIA (in.)	SELECTION MFG	MODEL No.	MAX AIR FLOW (CFM)	AIR			WATER						
					ENT. TEMP. (°F)	MIN LEAV. TEMP. (°F)	FRICTION (S.P. DROP) (in. WG)	ENT. TEMP. (°F)	MAX. FLOW (GPM)	MAX. P.D. (ft WG)	RUNOUT PIPE SIZE (NPS)	ROWS		
4	4	NAILOR	D30RW	145	55	78	1.0	180	0.68	0.38	0.5	1	10 x 10	
6	6	NAILOR	D30RW	350	55	78	1.0	180	1.09	0.95	0.5	1	10 x 10	
8	8	NAILOR	D30RW	715	55	78	1.0	180	1.97	4.16	0.5	1	12 x 12.5	
10	10	NAILOR	D30RW	1000	55	78	1.0	180	2.53	7.33	0.5	1	14 x 12.5	
REFER TO DRAWINGS FOR LOCATIONS AND QUANTITIES. ALL SIZES SCHEDULED MAY NOT APPEAR ON DRAWINGS														



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SUNNYBROOK HEALTH
SCIENCE CENTRE
EMERGENCY
DEPARTMENT
RENOVATIONS



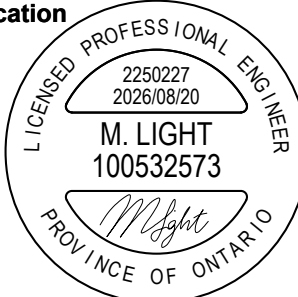
Project Manager HDR
Project Designer HDR
Project Architect HDR
Mechanical Engineer HHA
Electrical Engineer HHA
Interior Designer HDR
Equipment Planner HDR
Wayfinding ---
Drawn By Author

MARK DATE DESCRIPTION

1 2026-03-31 ISSUED FOR 100% CD
2 2026-04-15 RE-ISSUED FOR 100% CD
3 2026-08-20 ISSUED FOR PERMIT & TENDER

Project Number 10428557 (2250227)
Original Issue 12/19/18 -

Professional
Certification



Sheet Name

MECHANICAL
SCHEDULES

Scale

N.T.S.

Sheet Number

M0-10

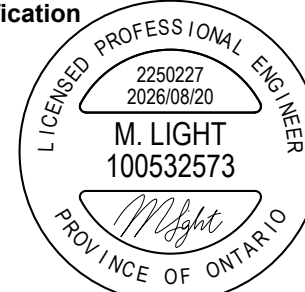
SUNNYBROOK HEALTH
SCIENCE CENTRE
EMERGENCY
DEPARTMENT
RENOVATIONS

Project Manager HDR
Project Designer HDR
Project Architect HDR
Mechanical Engineer HHA
Electrical Engineer HHA
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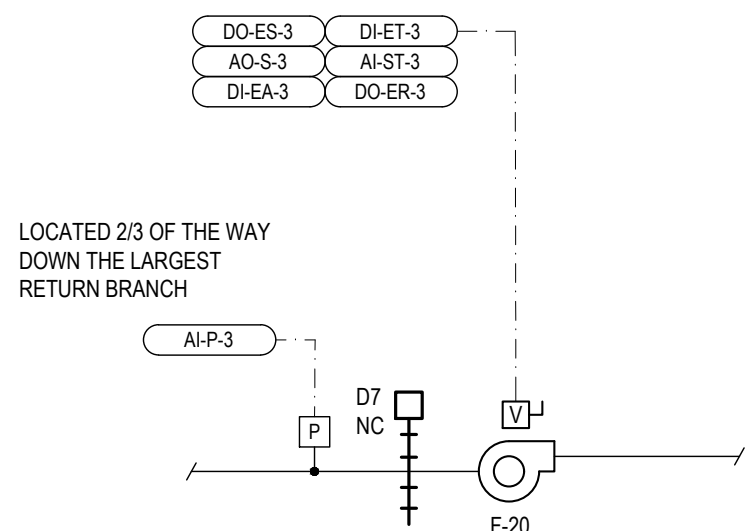
Sheet Name

MECHANICAL
DETAILS &
SCHEMATICS IScale
AS NOTED
Sheet Number

M0-20

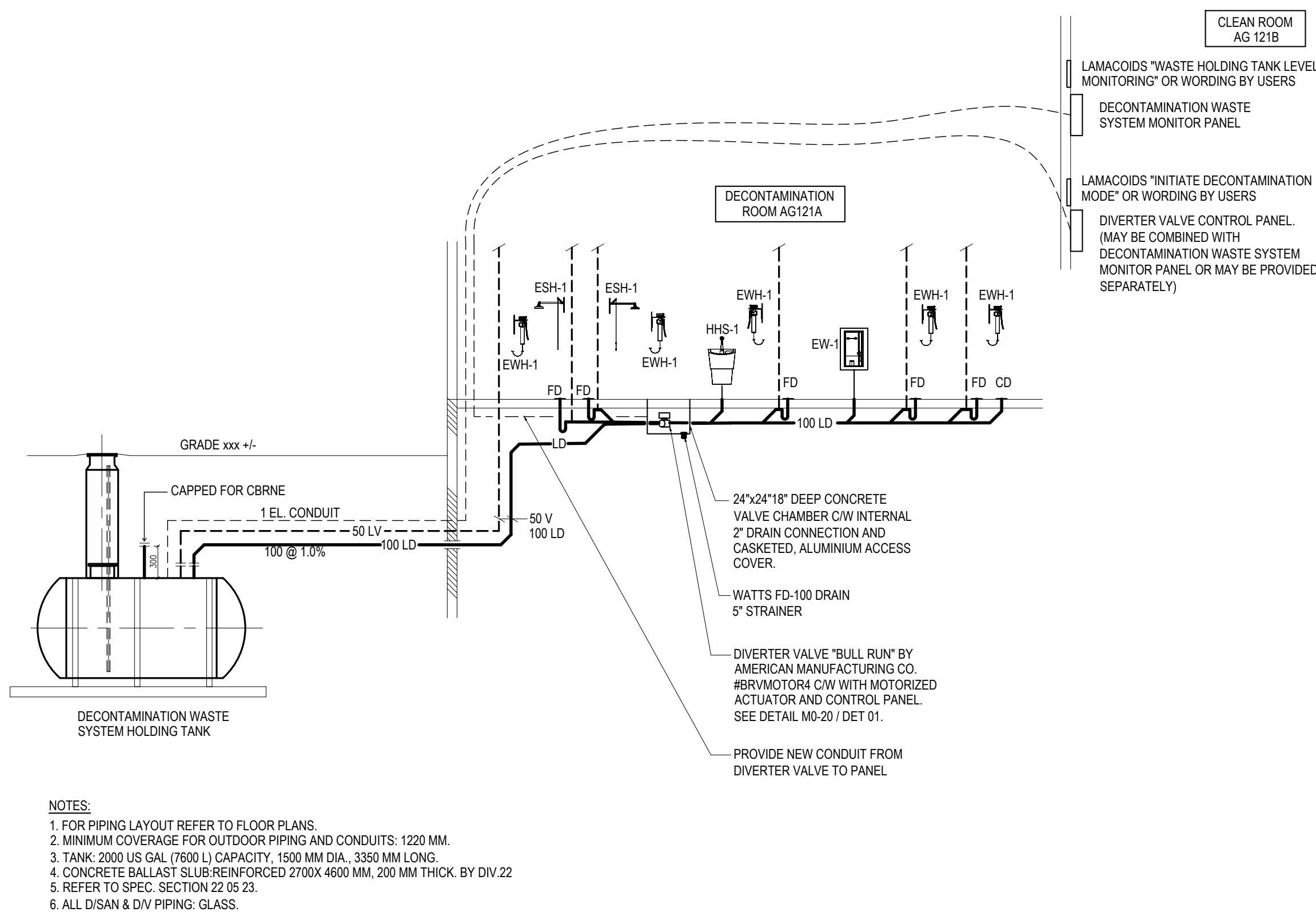
3 DECONTAMINATION ROOM EXHAUST FAN CONTROL

M0-20 N.T.S.



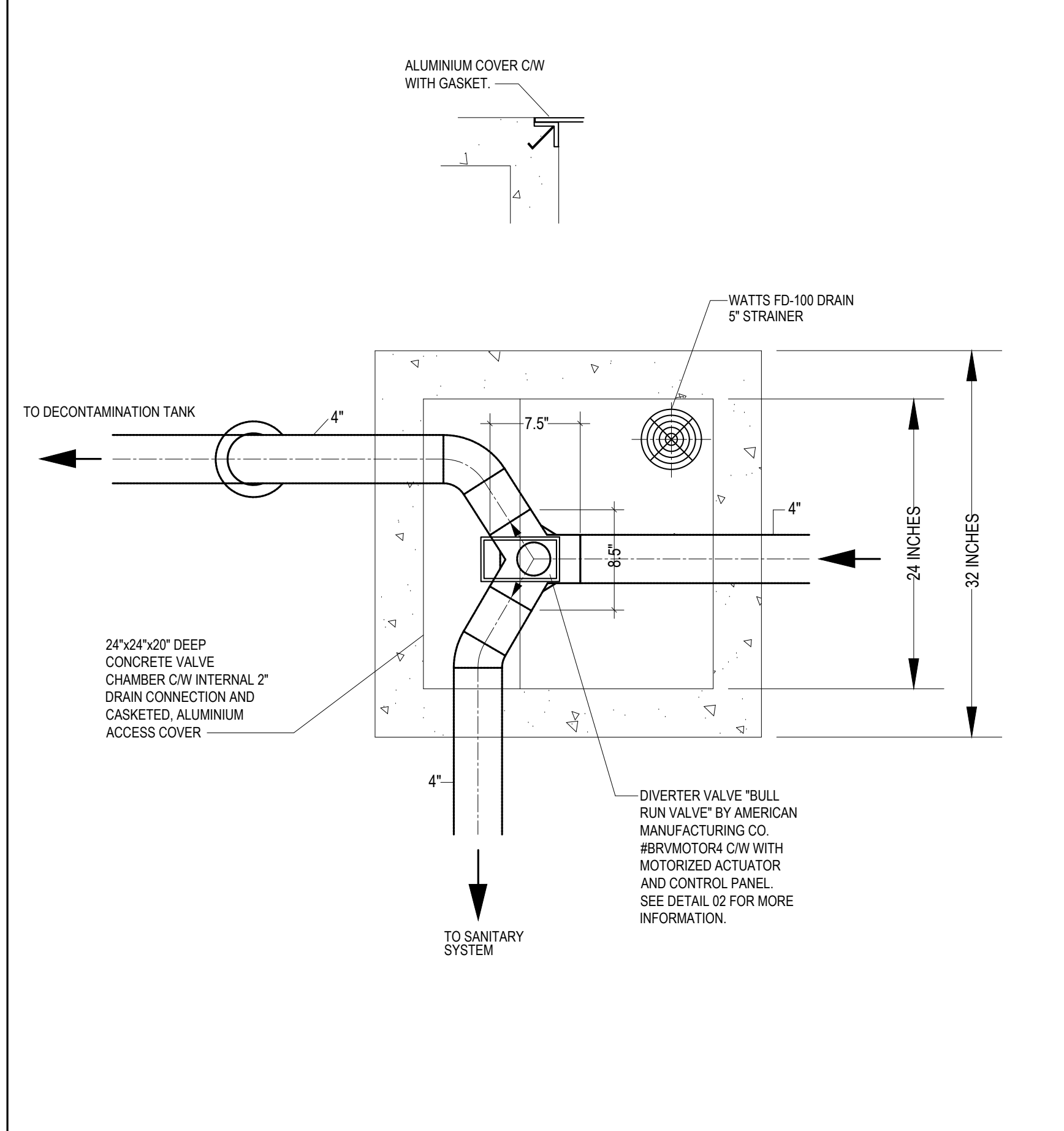
2 DECONTAMINATION WASTE SYSTEM

M0-20 N.T.S.



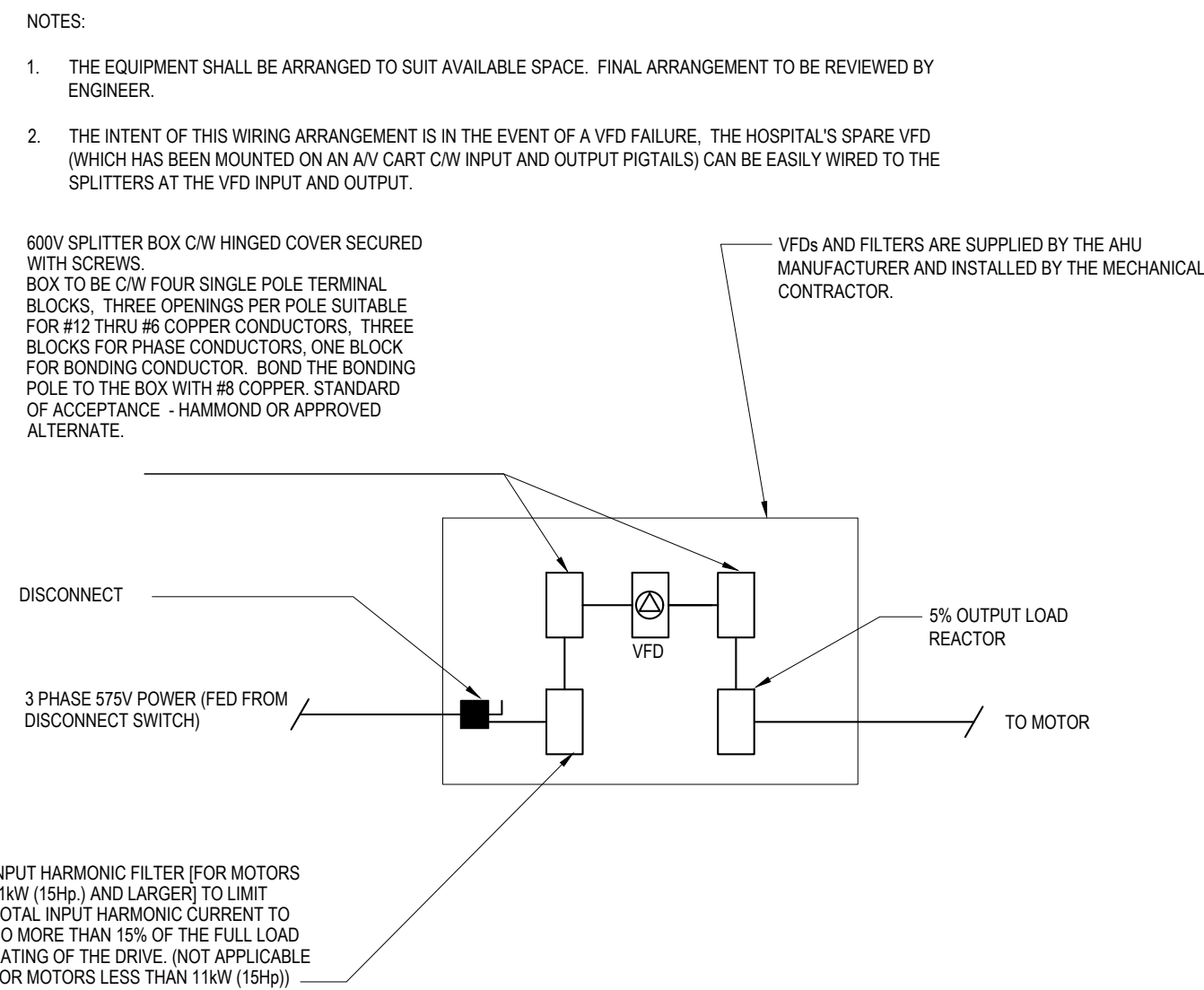
1 DECONTAMINATION DIVERTER VALVE

M0-20 N.T.S.



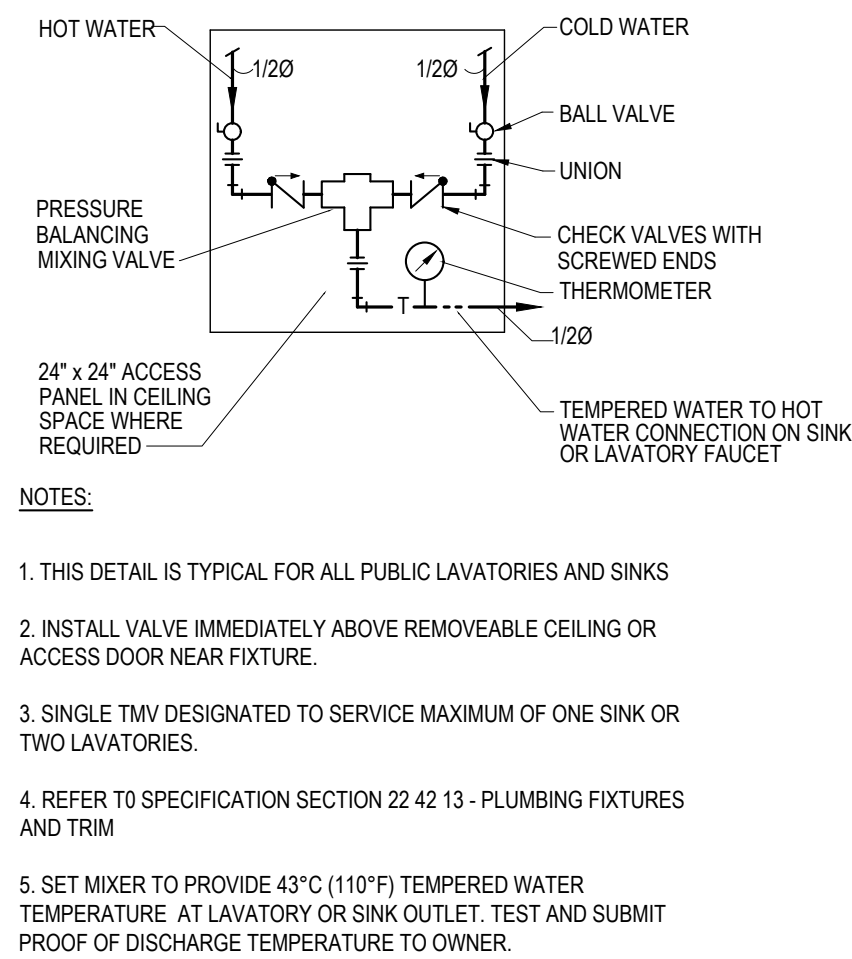
6 ELECTRICAL INSTALLATION CONFIGURATION FOR VFDs

M0-20 N.T.S.



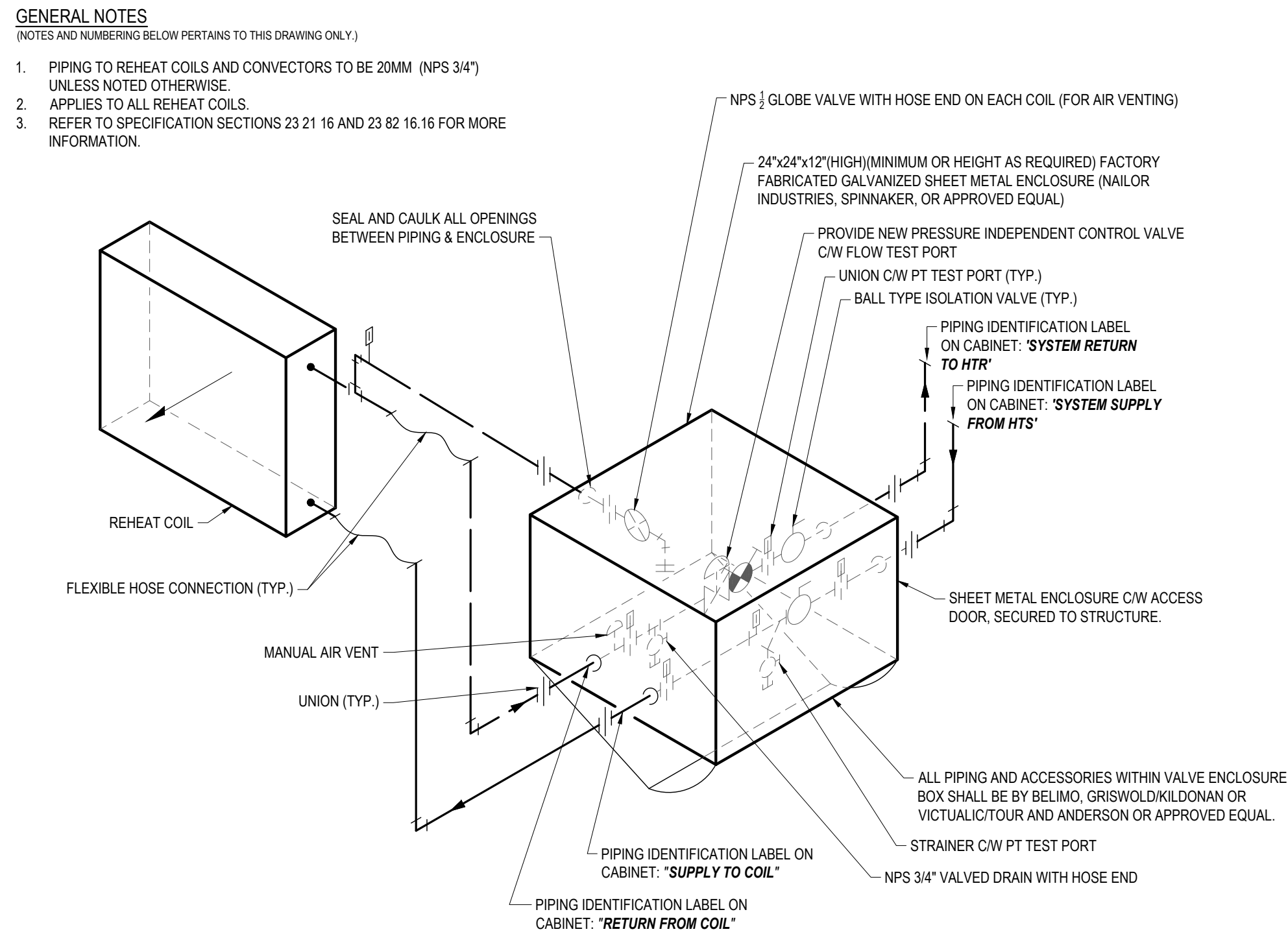
5 TEMPERATURE MIXING VALVE (TMV)

M0-20 N.T.S.



4 REHEAT COIL VALVE TRAIN WITH PIPING CONNECTIONS

M0-20 N.T.S.



SUNNYBROOK HEALTH
SCIENCE CENTRE
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RENOVATIONS

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Wayfinding	---
Drawn By	Author

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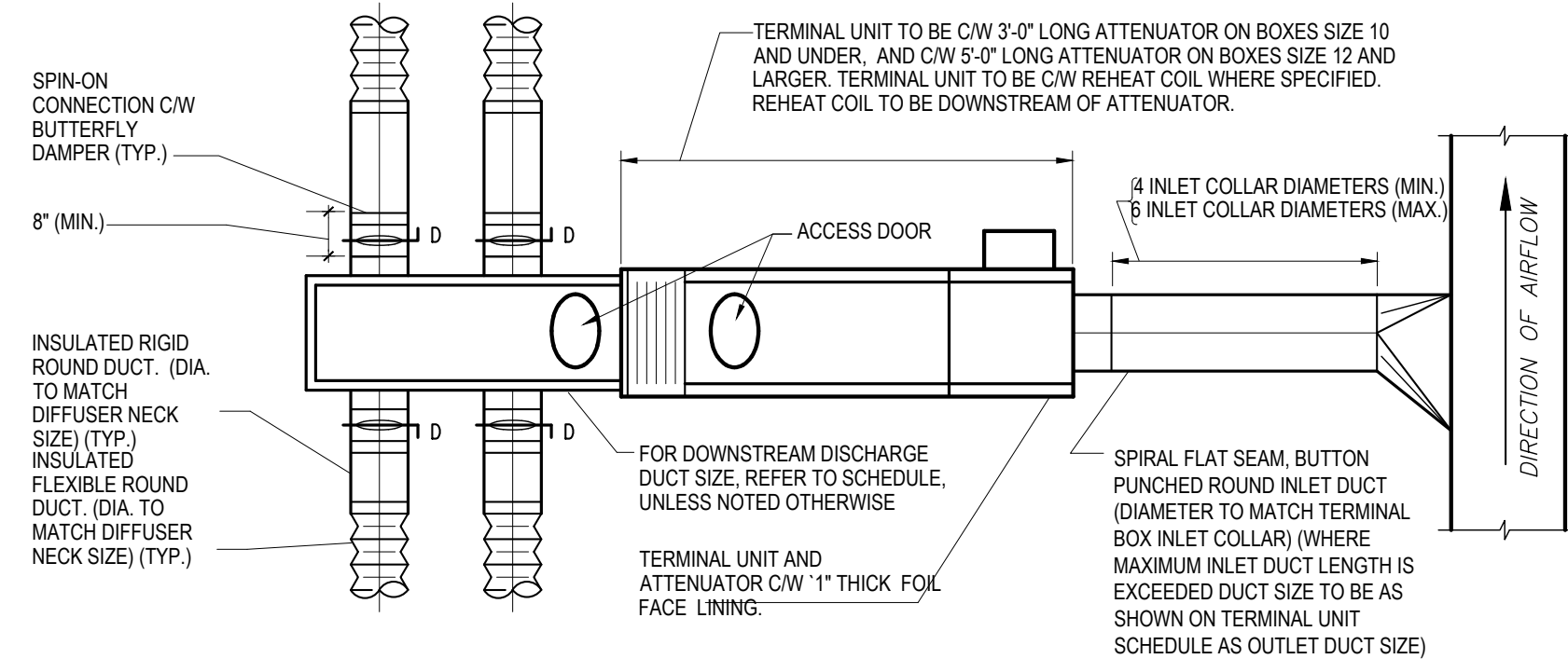
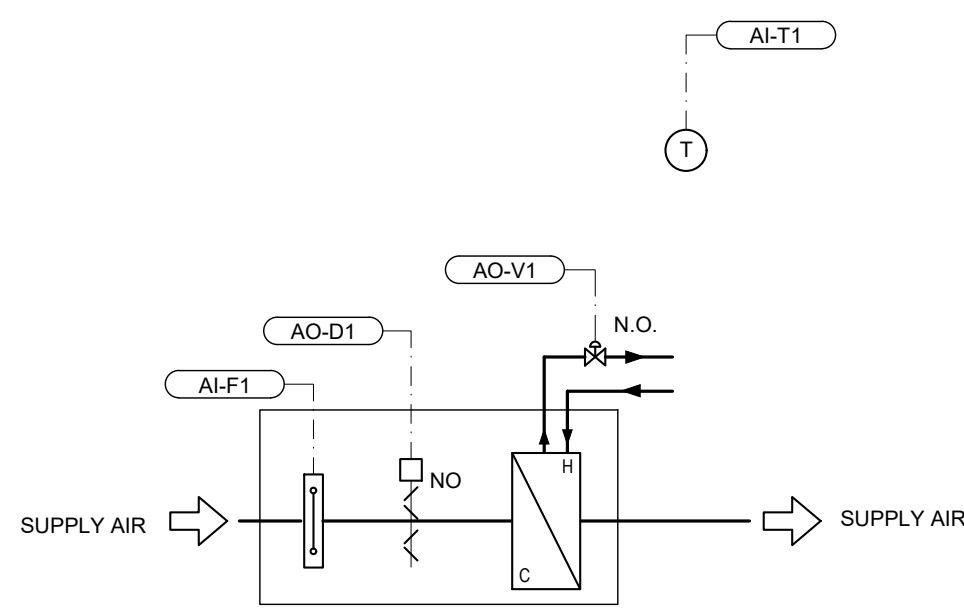
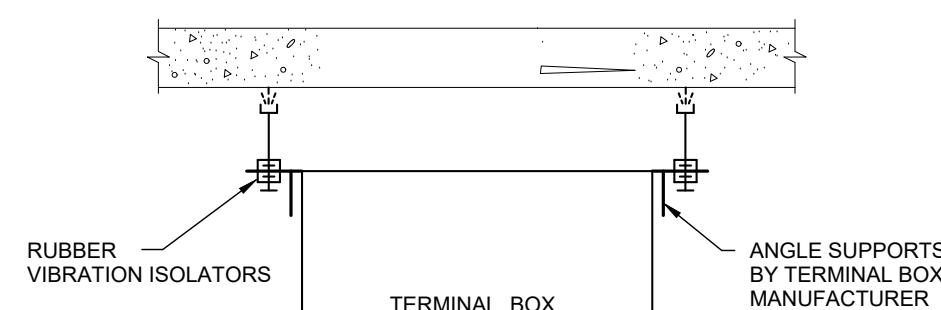
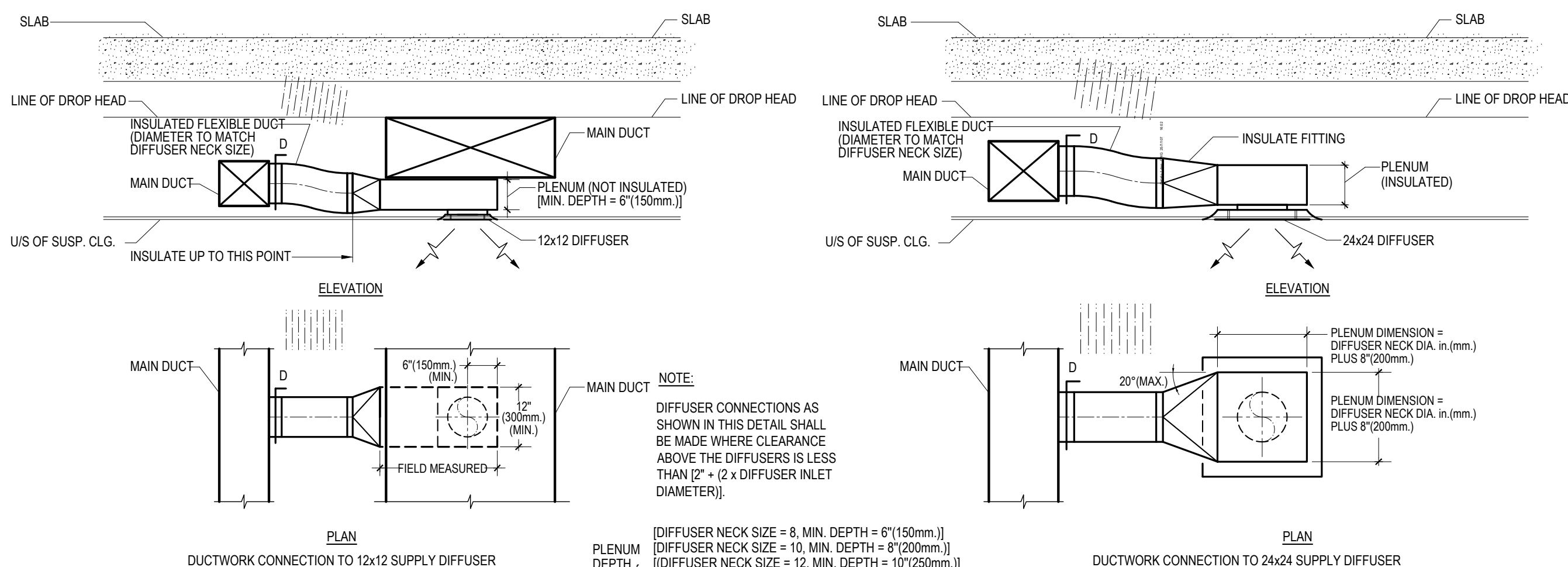
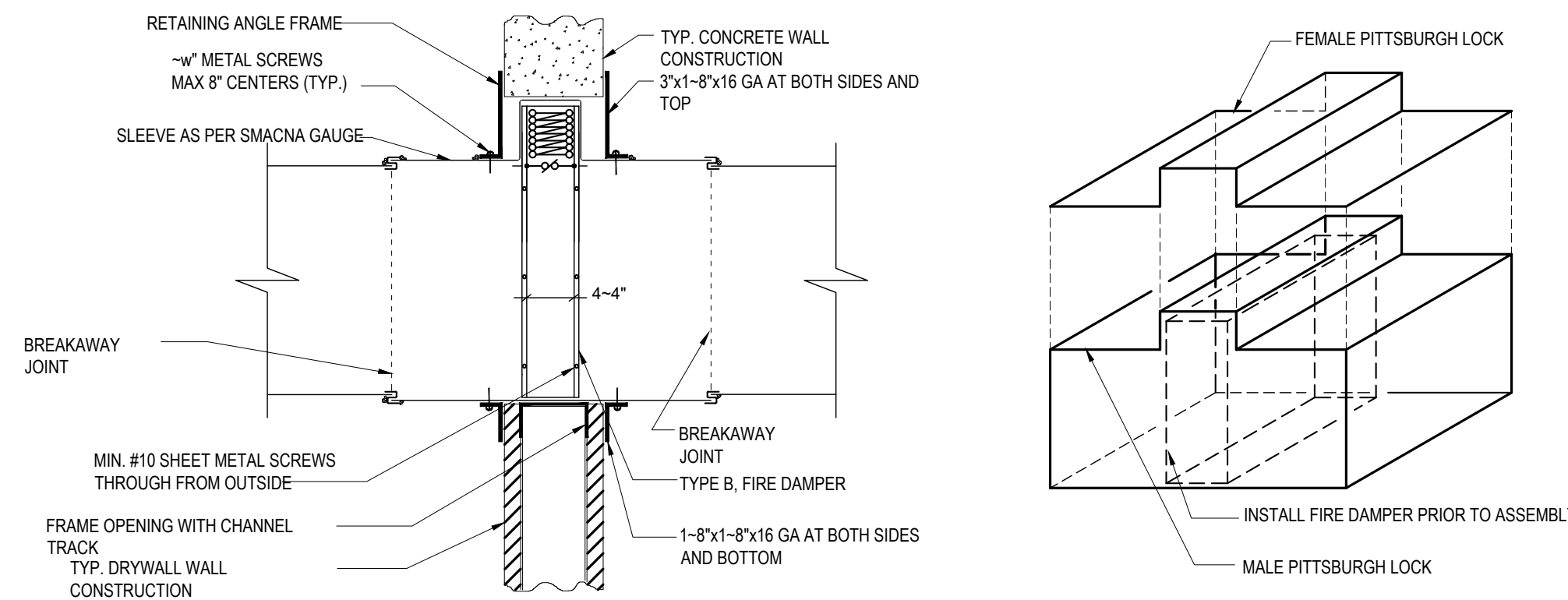
MECHANICAL
DETAILS &
SCHEMATICS II

Scale

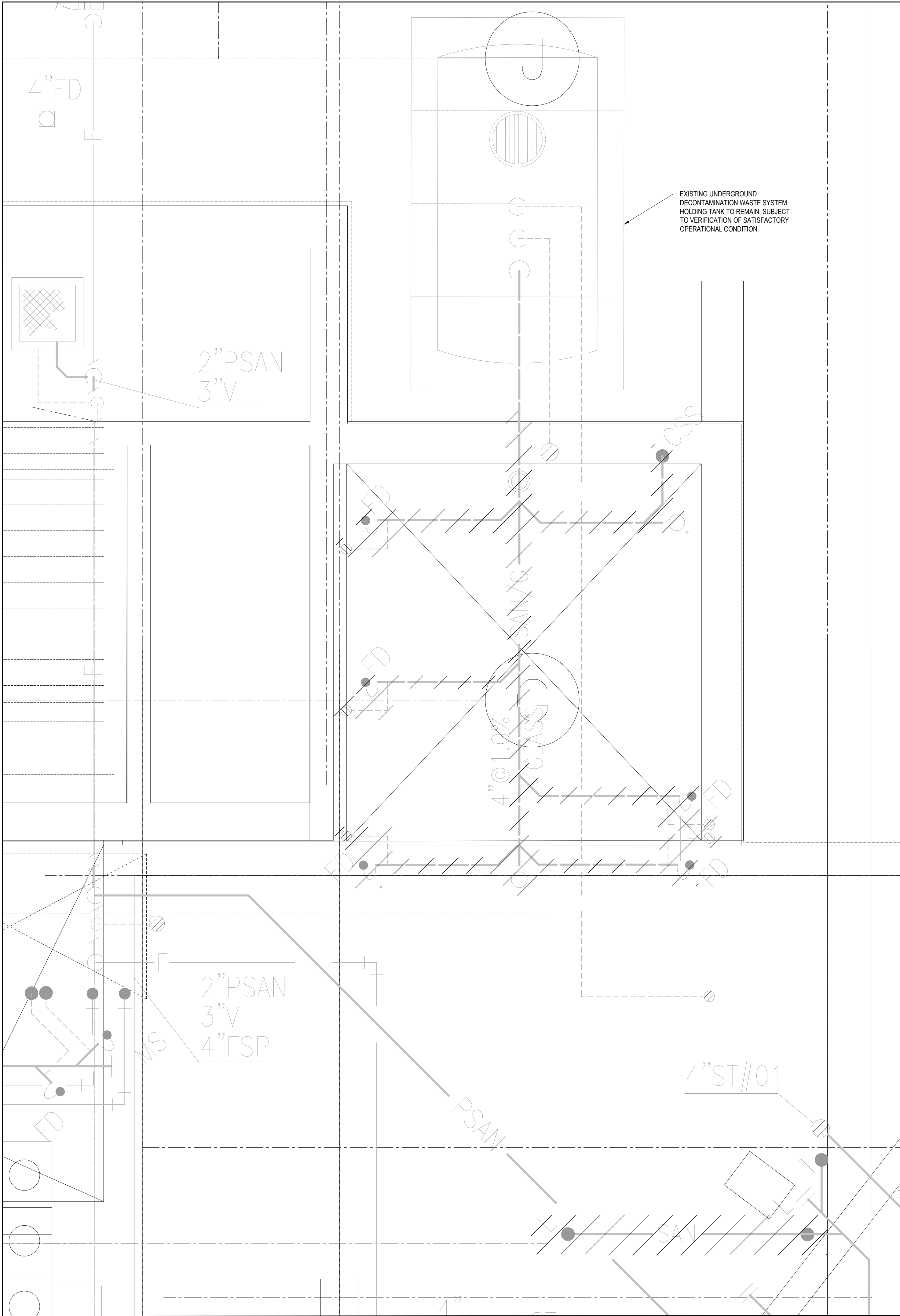
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Sheet Number

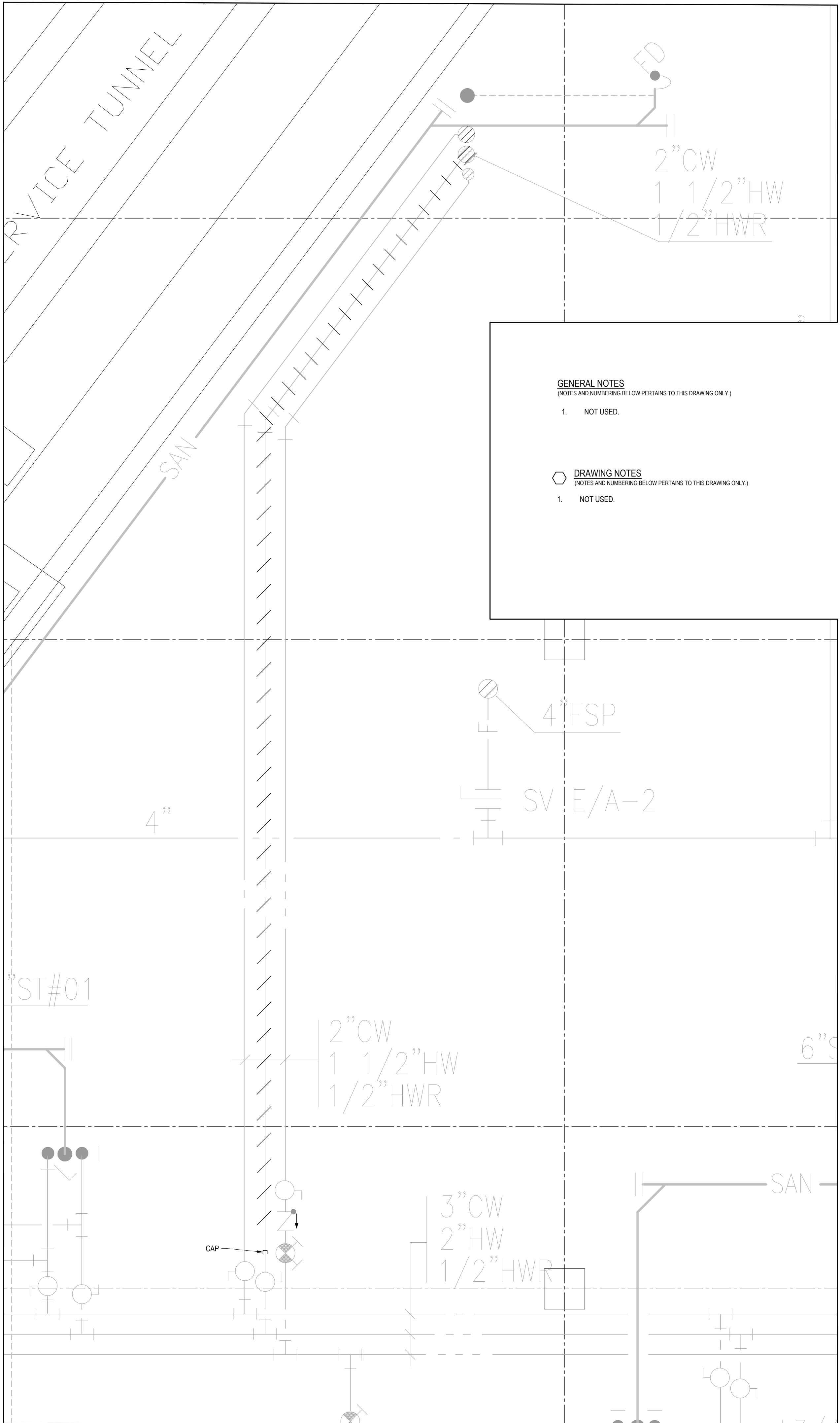
M0-30

3 AIR TERMINAL UNIT AND DUCT CONNECTION
M0-30 N.T.S.2 TERMINAL UNIT WITH REHEAT CONTROLS
M0-30 N.T.S.1 AIR TERMINAL UNIT SUPPORT
M0-30 N.T.S.5 SUPPLY DIFFUSER CONNECTIONS WITH RESTRICTED CLEARANCE ABOVE
M0-30 N.T.S.4 TYPE "B" FIRE DAMPER INSTALLATION
M0-30 N.T.S.

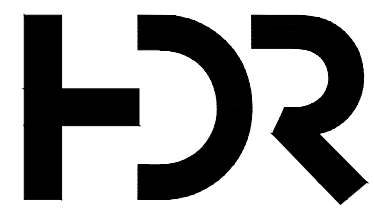
Autodesk Docs/10428557_SHSC_sw/25842_ED_Reno/10428557-A-SHSC-ED Reno.rvt
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1 DECONTAMINATION ROOM - BASEMENT PLUMBING - DEMO PART 1
M1-00 1:25



2 DECONTAMINATION ROOM - BASEMENT PLUMBING - DEMO PART 2
M1-00 1:25



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SUNNYBROOK HEALTH SCIENCE CENTRE EMERGENCY DEPARTMENT RENOVATIONS

Summary

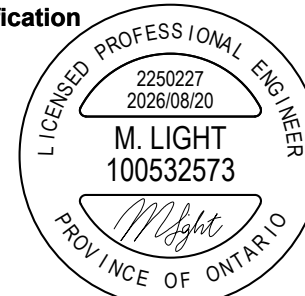
Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

MARK	DATE	DESCRIPTION
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3	2026-08-20	ISSUED FOR PERMIT & TENDER

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Original Issue	12/19/18 -	

Professional
Certification



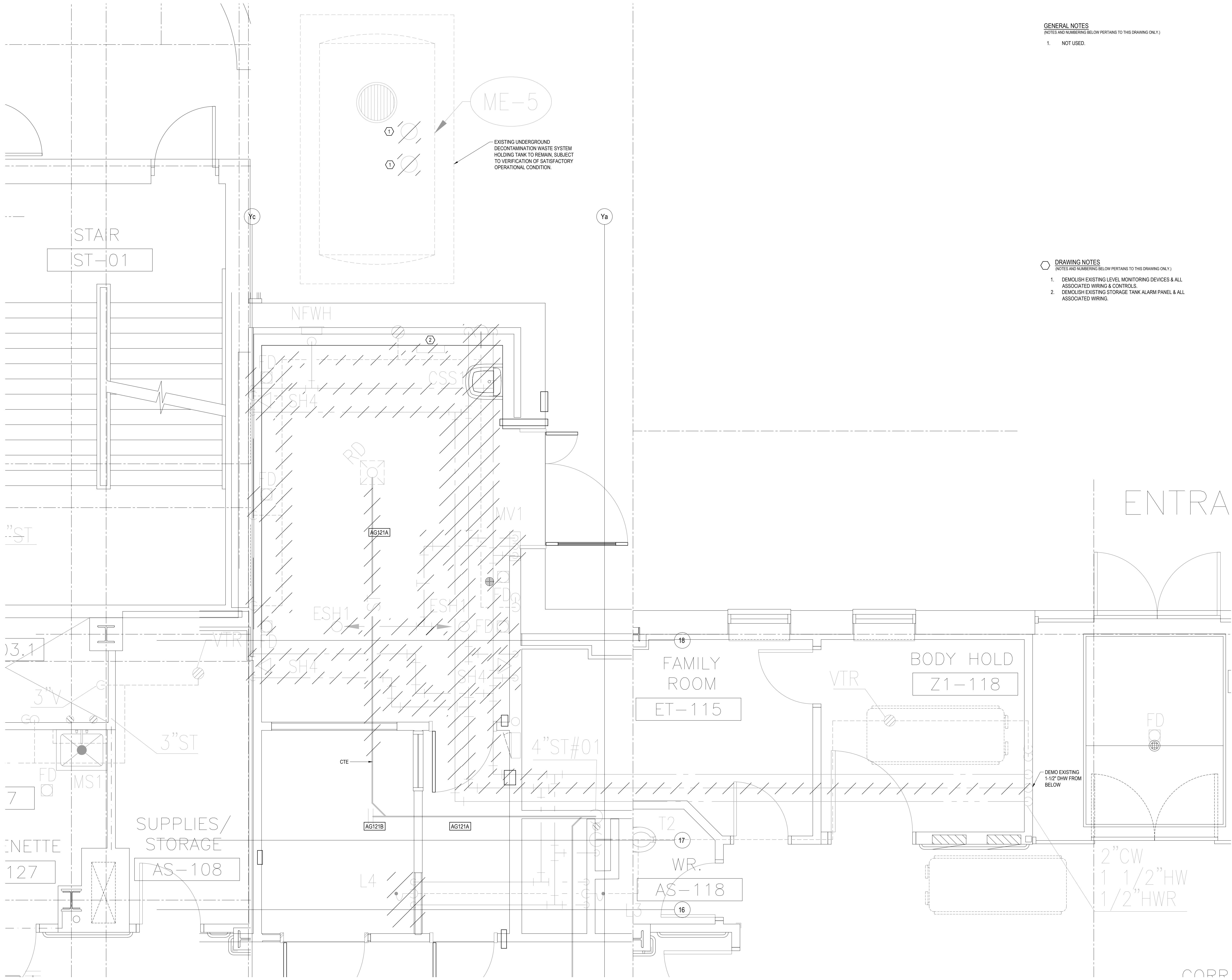
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**DECONTAMINATION
ROOM - BASEMENT
PLUMBING - DEMO**

Scale
1 : 25

Sheet Number

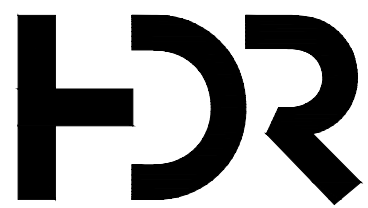
M1-00

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GENERAL NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)
1. NOT USED.

DRAWING NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)
1. DEMOLISH EXISTING LEVEL MONITORING DEVICES & ALL ASSOCIATED WIRING & CONTROLS.
2. DEMOLISH EXISTING STORAGE TANK ALARM PANEL & ALL ASSOCIATED WIRING.



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SUNNYSBROOK HEALTH
SCIENCE CENTRE
EMERGENCY
DEPARTMENT
RENOVATIONS



Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

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Original Issue	12/19/18 -	

Professional
Certification



Sheet Name
DECONTAMINATION
ROOM - GROUND
FLOOR PLUMBING -
DEMO

Scale

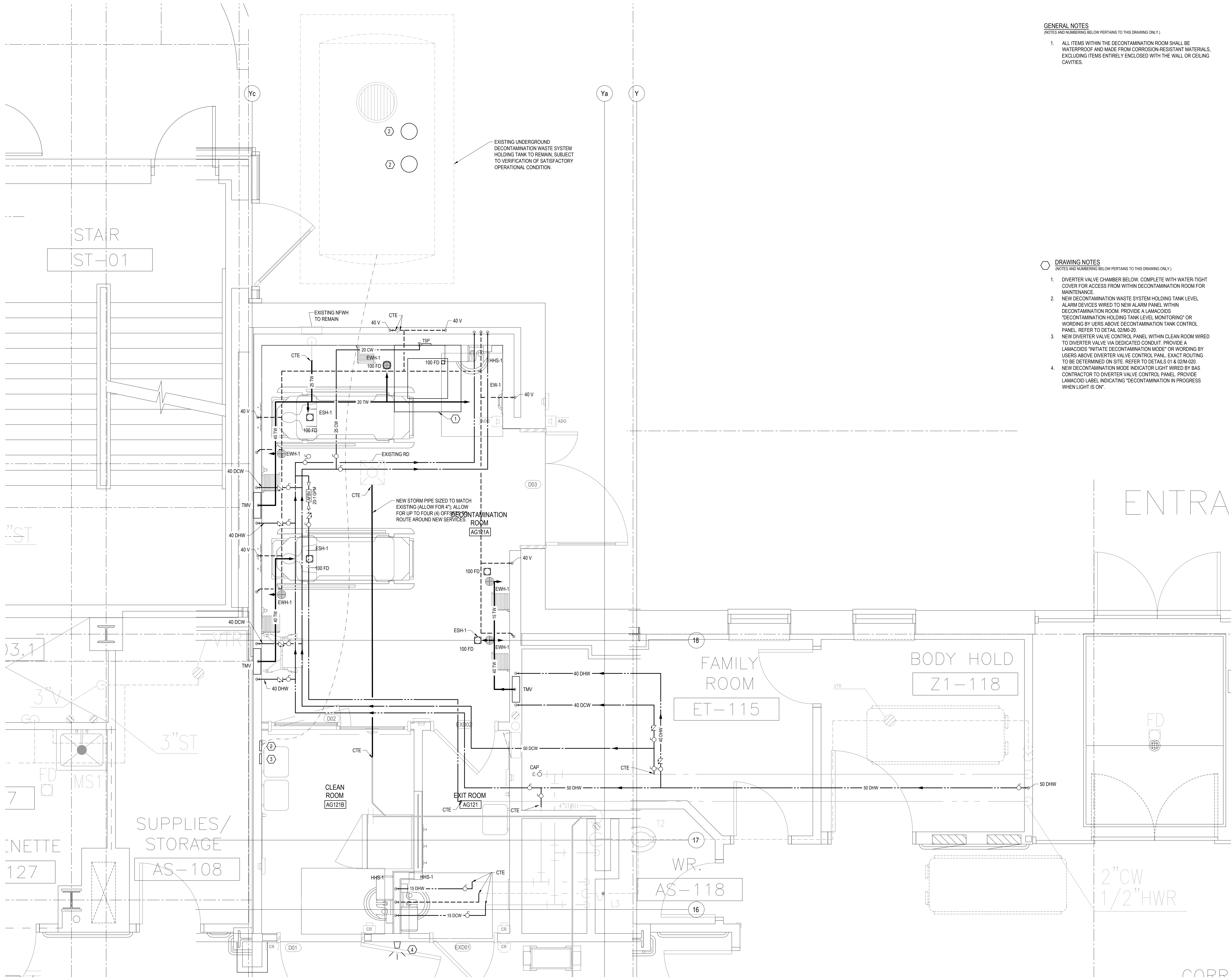
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Sheet Number

M1-02

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- GENERAL NOTES
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1. ALL ITEMS WITHIN THE DECONTAMINATION ROOM SHALL BE WATERPROOF AND MADE FROM CORROSION-RESISTANT MATERIALS, EXCLUDING ITEMS ENTIRELY ENCLOSED WITH THE WALL OR CEILING CAVITIES.

- DRAWING NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)
1. DIVERTER VALVE CHAMBER BELOW. COMPLETE WITH WATER-TIGHT COVER FOR ACCESS FROM WITHIN DECONTAMINATION ROOM FOR MAINTENANCE.
 2. NEW DECONTAMINATION WASTE SYSTEM HOLDING TANK LEVEL ALARM DEVICES WIRED TO NEW ALARM PANEL WITHIN DECONTAMINATION ROOM. PROVIDE A LAMACOID'S "DECONTAMINATION HOLDING TANK LEVEL MONITORING" OR WORDING BY USERS ABOVE DECONTAMINATION TANK CONTROL PANEL. REFER TO DETAIL 02MD-20.
 3. NEW DIVERTER VALVE CONTROL PANEL WITHIN CLEAN ROOM WIRED TO DIVERTER VALVE VIA DEDICATED CONDUIT. PROVIDE A LAMACOID'S "INITIATE DECONTAMINATION MODE" OR WORDING BY USERS ABOVE DIVERTER VALVE CONTROL PANEL. EXACT ROUTING TO BE DETERMINED ON SITE. REFER TO DETAILS 01 & 02MD-020.
 4. NEW DECONTAMINATION MODE INDICATOR LIGHT WIRED BY BAS CONTRACTOR TO DIVERTER VALVE CONTROL PANEL. PROVIDE LAMACOID LABEL INDICATING "DECONTAMINATION IN PROGRESS WHEN LIGHT IS ON".

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**SUNNYBROOK HEALTH
SCIENCE CENTRE
EMERGENCY
DEPARTMENT
RENOVATIONS**

Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

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Sheet Name
**DECONTAMINATION
ROOM - GROUND
FLOOR PLUMBING -
NEW WORK**

Scale
1 : 25
Sheet Number

M1-03

GENERAL NOTES
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(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. EXISTING MEDICAL GAS OUTLETS TO BE REMOVED AND ASSOCIATED PIPING CUT BACK TO CEILING.

EACH NEW MEDICAL GAS OUTLET SHALL BE PROVIDED WITH A WATER-TIGHT COVER TO REMAIN ON WHEN MEDICAL GASES ARE NOT REQUIRED.

EVERY TIME THE DECONTAMINATION ROOM SHOWERS ARE USED WHILE A WATER-TIGHT COVER IS OPEN, THAT DISS OUTLET MUST BE REPLACED WITH NEW. THIS IS APPLICABLE WHEN A PATENT IS DECONTAMINATED AND THEN TREATED WITH MEDICAL GASES BEFORE LEAVING THE ROOM.

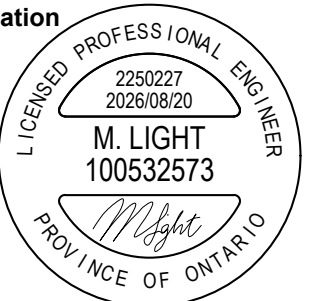
CONTRACTOR SHALL INSTALL LAMACOID LABEL ABOVE OUTLETS:
"REPLACE DISS OUTLET AFTER EACH USE IF OPENED WHILE ROOM IS
WET."

Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

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Professional Certification



Sheet Name

Sheet Name
DECONTAMINATION
ROOM - GROUND
FLOOR MED GAS -
DEMO & NEW WORK

Scale
1 : 25

Sheet Number

M1-04

SUNNYBROOK HEALTH
SCIENCE CENTRE
EMERGENCY
DEPARTMENT
RENOVATIONS

Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

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Professional
Certification



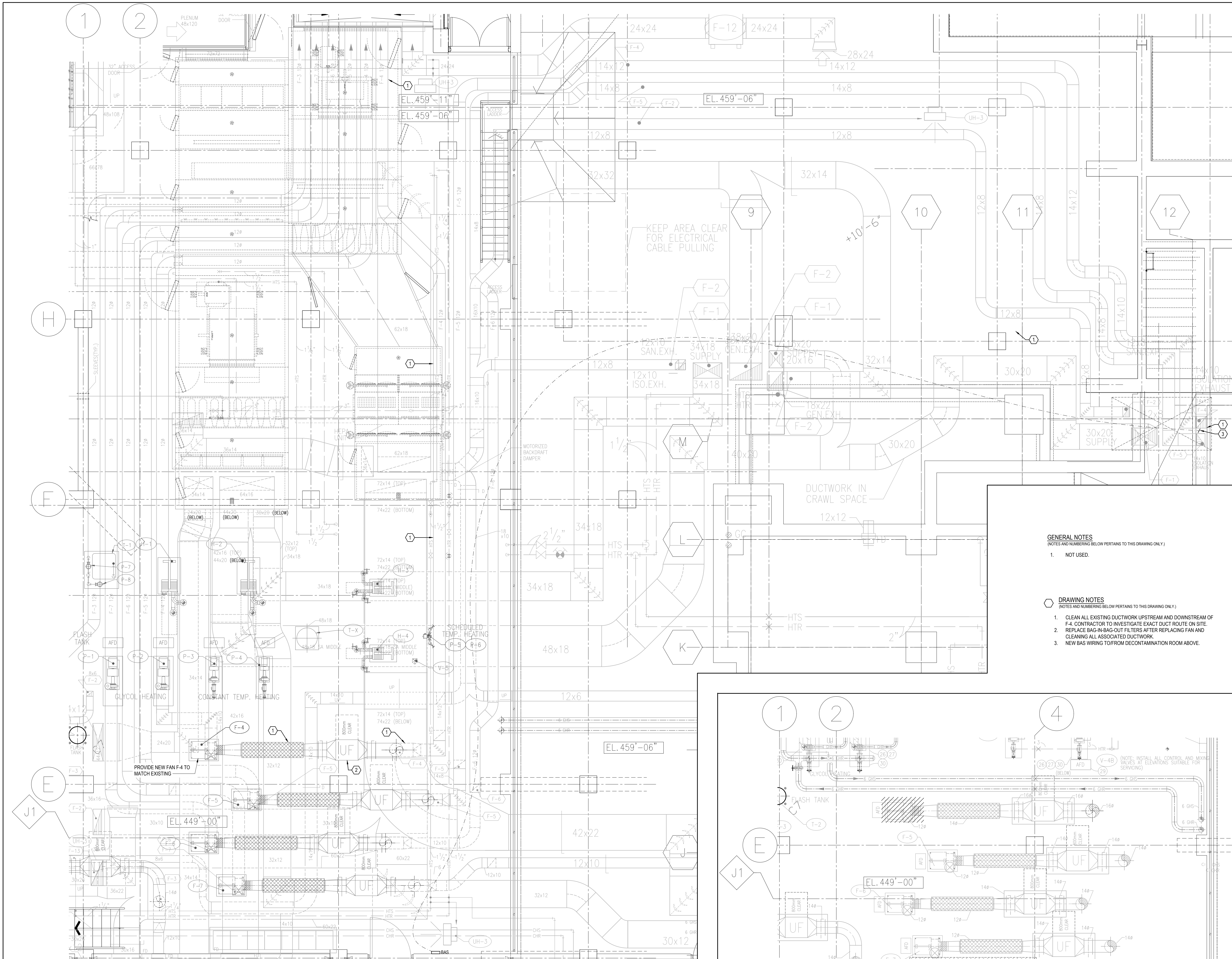
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**DECONTAMINATION
ROOM - BASEMENT
VENTILATION**

Scale

1 : 50

Sheet Number

M1-06



Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HA
Electrical Engineer	HA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

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Project Number	10428557	(2250227)
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Sheet Name
DECONTAMINATION
ROOM - GROUND
FLOOR VENTILATION
- DEMO

Scale
1 : 25
Sheet Number

M1-07

SUNNYBROOK HEALTH
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DEPARTMENT
RENOVATIONS

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 **DRAWING NOTES**
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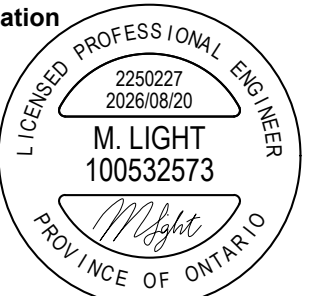
1. SIZE DUCTWORK TO MATCH EXISTING.
2. SLOPE EXHAUST DUCTWORK WITHIN DECONTAMINATION ROOM BACK TO GRILLE.
3. CLEAN ALL EXISTING DUCTWORK UPSTREAM AND DOWNSTREAM OF F-4.

Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HA
Electrical Engineer	HA
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Equipment Planner	HDR
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Professional Certification



Sheet Name
DECONTAMINATION
ROOM - GROUND
FLOOR VENTILATION
- NEW WORK

Scale
1 : 25

Sheet Number

M1-08

Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HA
Electrical Engineer	HA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

[illegible]

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Professional Certification



Sheet Name

Scale
1 : 25

Sheet Number

M1-09

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(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. NOT USED.

GENERAL NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. NOT USED.

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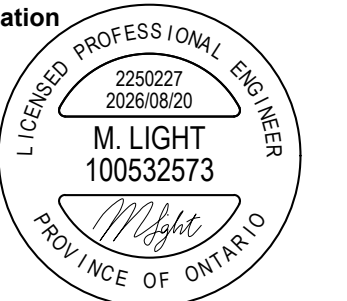
1. NOT USED.

Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
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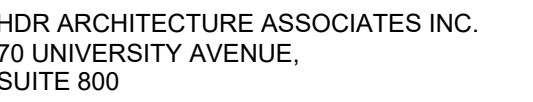
SECURITY AREA -
GROUND FLOOR
HEATING - DEMO &
NEW WORK

Scale

1 : 50

Sheet Number

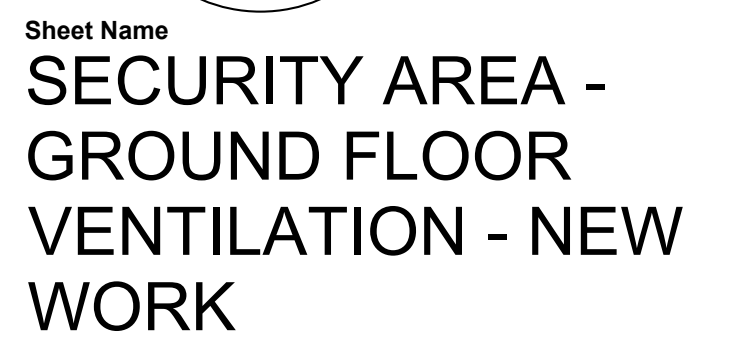
M2-00



Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

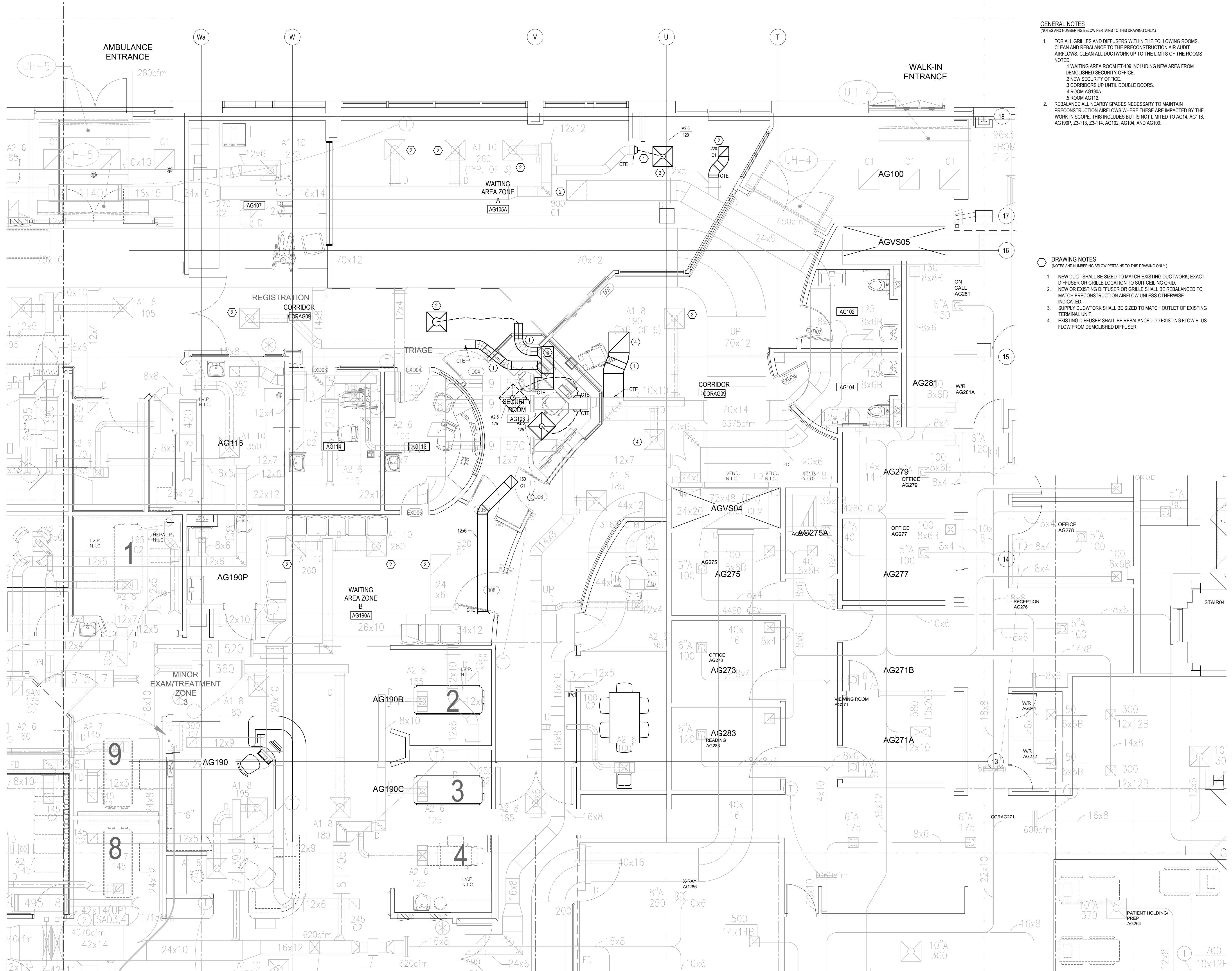
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1	2026-03-31	ISSUED FOR 100% CD
2	2026-04-15	RE-ISSUED FOR 100% CD
3	2026-08-20	ISSUED FOR PERMIT & TENDER

Project Number	10428557	(2250227)
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Scale
1 : 50
Sheet Number

M2-02



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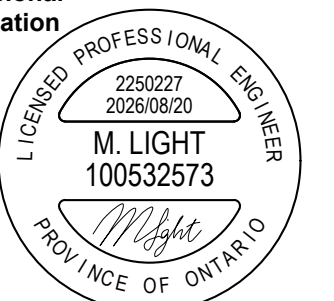
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Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

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3	2026-08-20	ISSUED FOR PERMIT & TENDER

Project Number	10428557	(2250227)
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Professional Certification



Sheet Name
**SECURITY AREA -
GROUND FLOOR FIRE
PROTECTION - DEMO &
NEW WORK**

Scale
1 : 50
Sheet Number

M2-03

GENERAL NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. ALLOW FOR AN ADDITIONAL FIVE (5) SPRINKLER HEADS FOR THE FOLLOWING SCOPE: REMOVE EXISTING SPRINKLER HEAD AND PROVIDE NEW CONCEALED HEAD. ALLOW FOR SPRINKLER HEAD TO BE RELOCATED TO SUIT NEW WALLS AND CEILING GRID.

 **DRAWING NOTES**
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. REMOVE EXISTING SPRINKLER HEAD AND PROVIDE NEW CONCEALED HEAD. ALLOW FOR SPRINKLER HEAD TO BE RELOCATED TO SUIT NEW WALLS AND CEILING GRID.

Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

MARK	DATE	DESCRIPTION
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2	2026-04-15	RE-ISSUED FOR 100% CD
3	2026-08-20	ISSUED FOR PERMIT & TENDER

Project Number	10428557	(2250227
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Professional Certification



Sheet Name
MEDICATION ROOM -
GROUND FLOOR
PLUMBING - DEMO &
NEW WORK

Scale
1 : 25
Sheet Number

M3-01

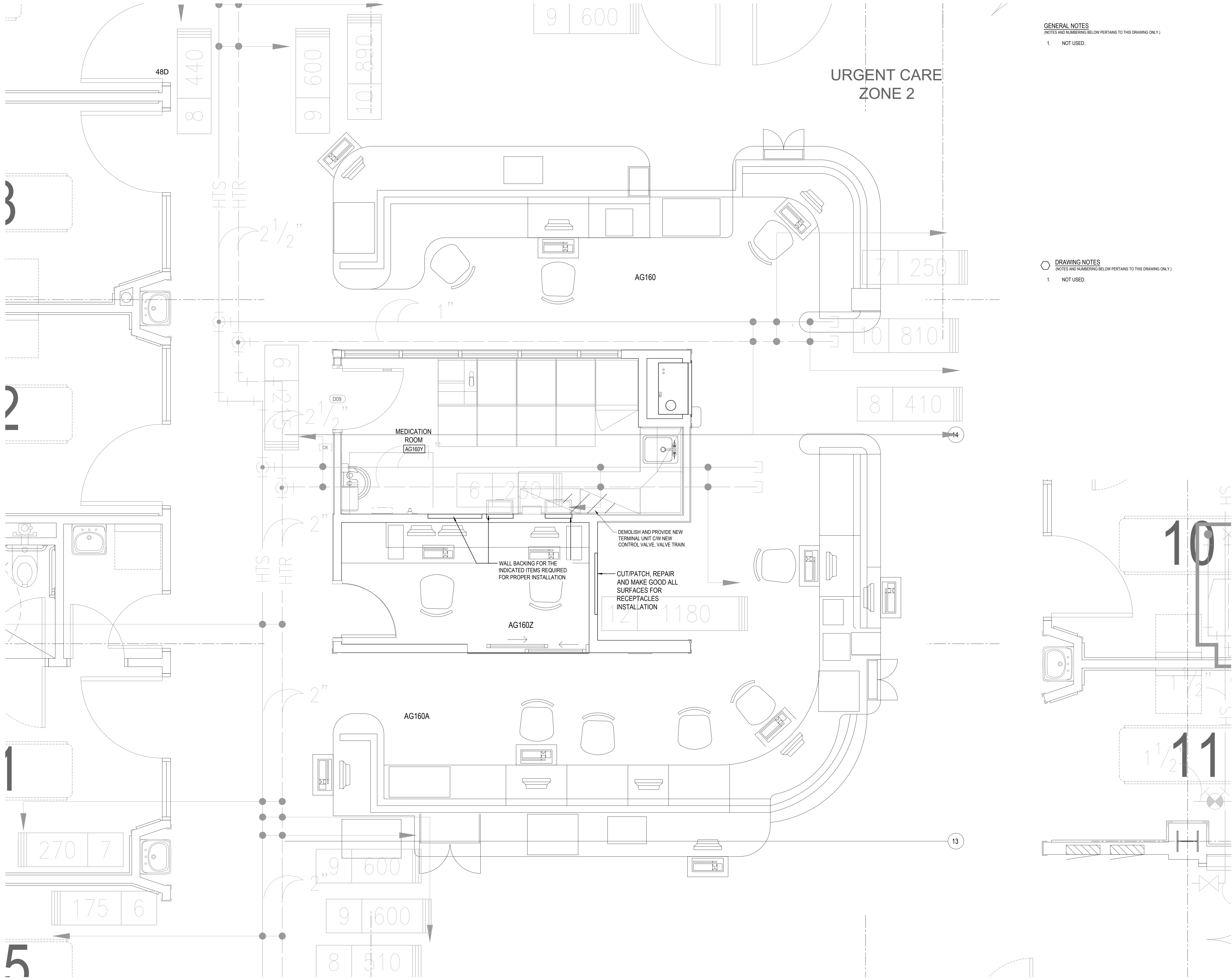
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(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. NOT USED

 DRAWING NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY)

- 1 NOT USED

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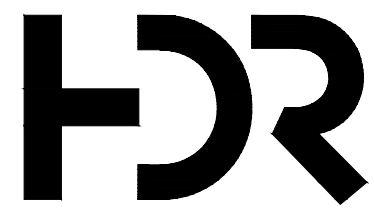


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(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. NOT USED.

DRAWING NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. NOT USED.



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DEPARTMENT
RENOVATIONS



Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

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3	2026-08-20	ISSUED FOR PERMIT & TENDER

Project Number	10428557	(2250227)
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Professional
Certification



Sheet Name
**MEDICATION ROOM -
GROUND FLOOR
HEATING - DEMO &
NEW WORK**

Scale
1 : 25

Sheet Number

M3-02

Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

[illegible]

Project Number	10428557	(2250227)
Original Issue	12/19/18 -	

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Sheet Name

MEDICATION ROOM - GROUND FLOOR VENTILATION - DEMO

Scale
1 : 25

Sheet Number

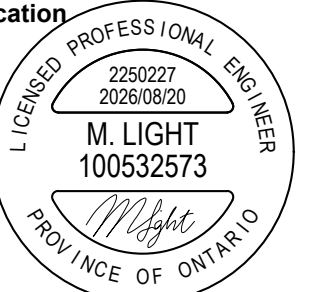
M3-03

Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

[illegible]

Project Number	10428557	(2250227)
Original Issue	12/19/18 -	

Professional Certification



Sheet Name
MEDICATION ROOM -
GROUND FLOOR
VENTILATION - NEW
WORK

Scale
1 : 25

Sheet Number

M3-04

GENERAL NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

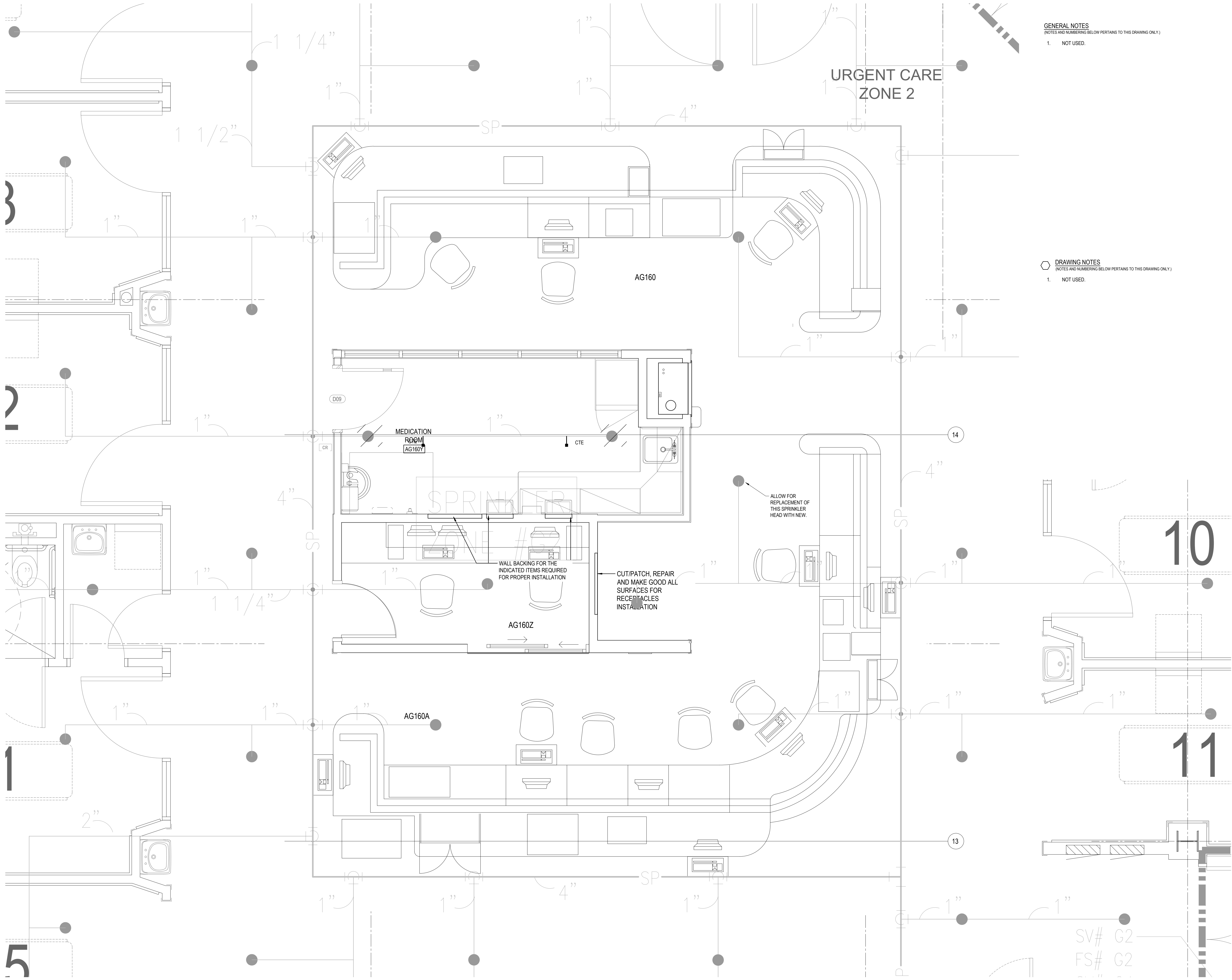
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(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY)

1. SIZE DUCTWORK TO MATCH EXISTING.

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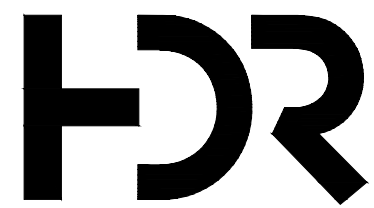


GENERAL NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. NOT USED.

DRAWING NOTES
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1. NOT USED.



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Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

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Project Number	10428557	(2250227)
Original Issue	12/19/18 -	

Professional
Certification



Sheet Name

MEDICATION ROOM -
GROUND FLOOR
FIRE PROTECTION -
DEMO & NEW WORK

Scale

1 : 25

Sheet Number

M3-05

GENERAL NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

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(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. NOT USED.

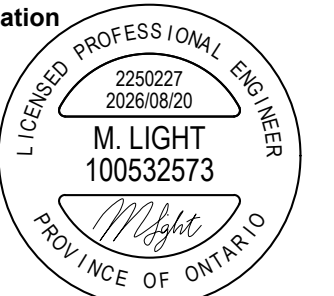
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Project Designer	HDR
Project Architect	HDR
Mechanical Engineer	HHA
Electrical Engineer	HHA
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

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Project Number	10428557	(2250227)
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Professional Certification



Sheet Name

PLASTER SINK - BASEMENT PLUMBING - DEMO

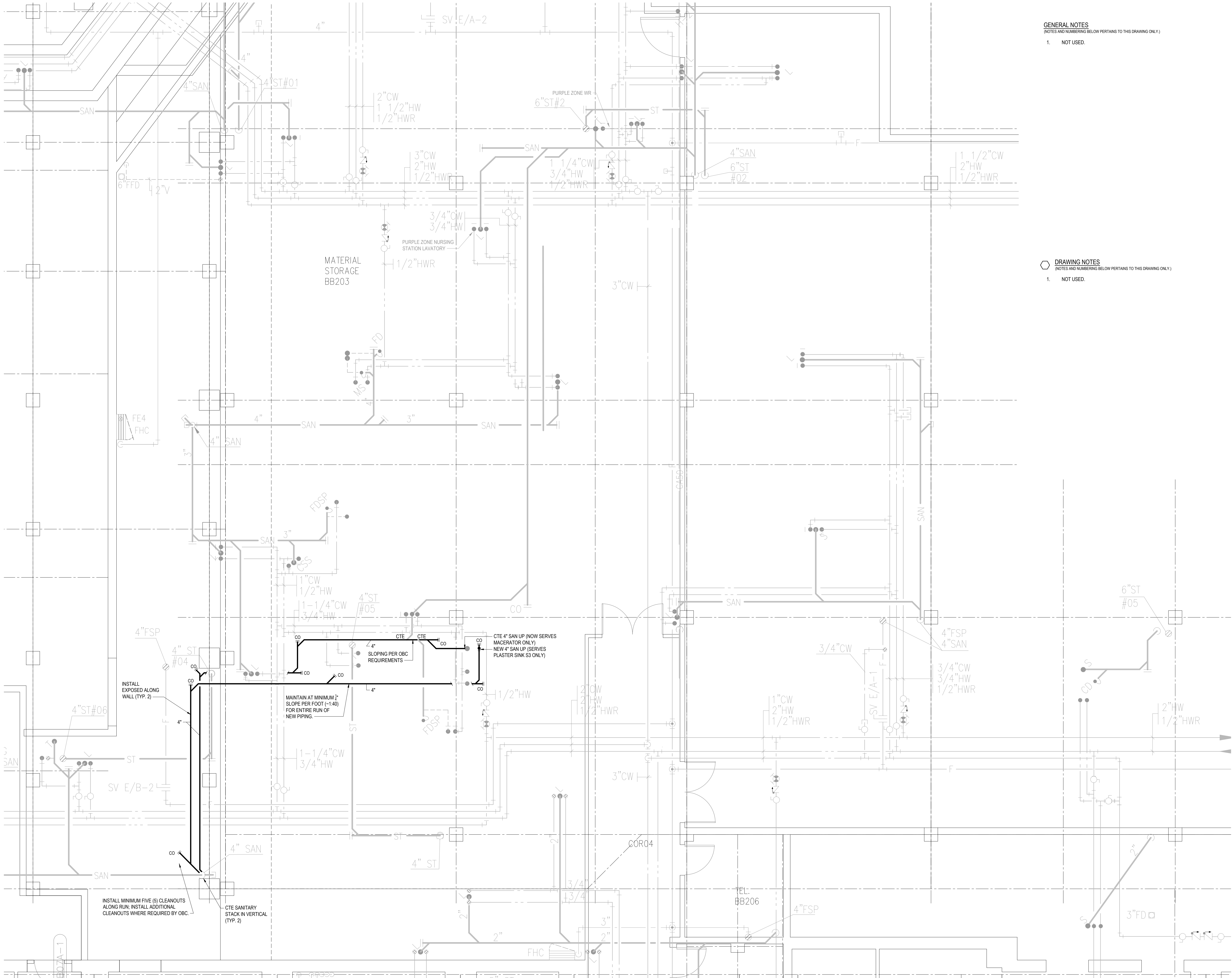
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1 : 50

Sheet Number

M4-00

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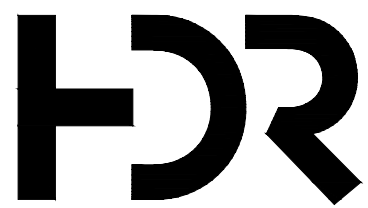


GENERAL NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. NOT USED.

DRAWING NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. NOT USED.



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Project Manager	HDR
Project Designer	HDR
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Electrical Engineer	HHA
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Equipment Planner	HDR
Wayfinding	---
Drawn By	Author

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Certification



Sheet Name

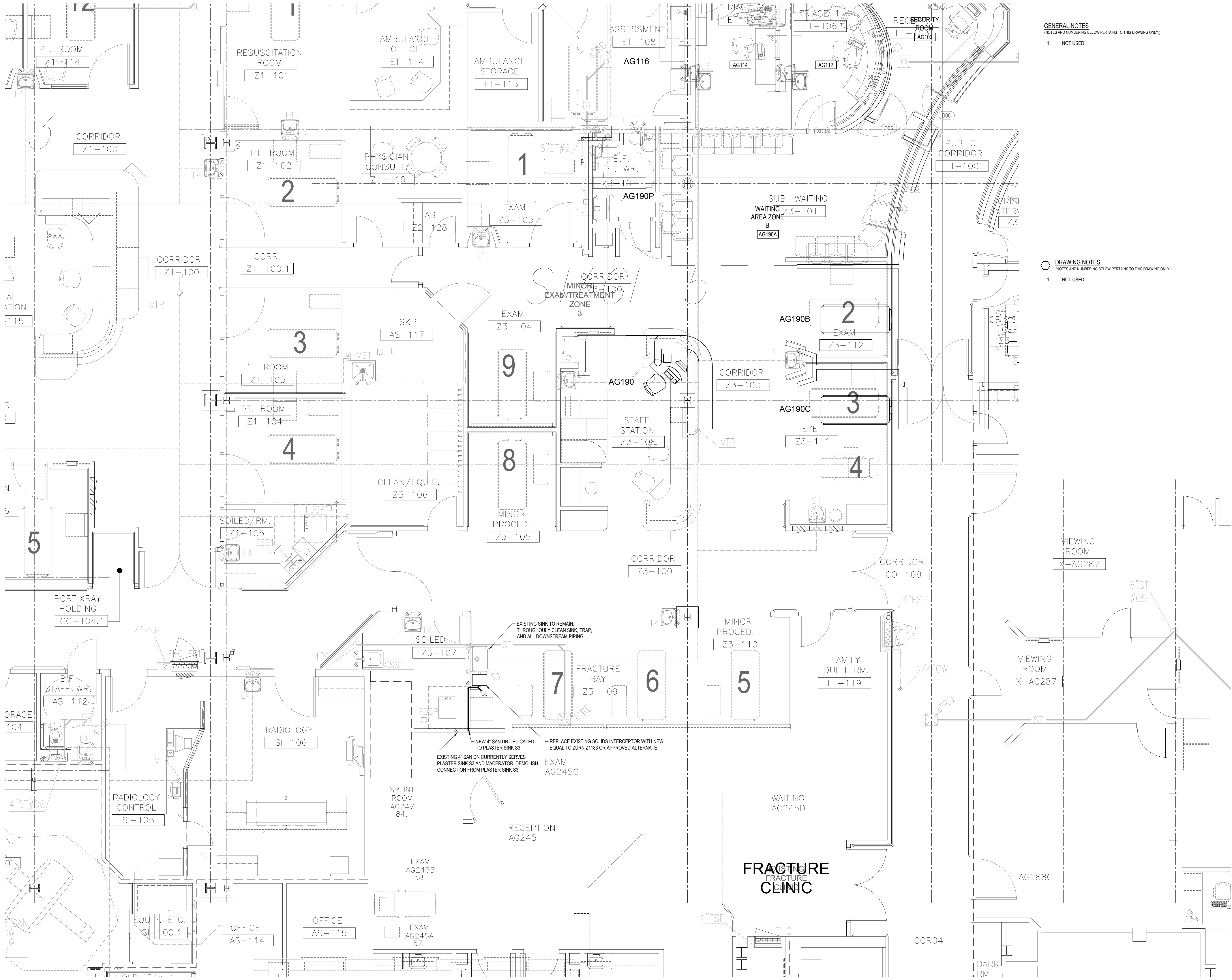
PLASTER SINK -
BASEMENT
PLUMBING - NEW
WORK

Scale

1 : 50

Sheet Number

M4-01



GENERAL NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. NOT USED.

DRAWING NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. NOT USED.

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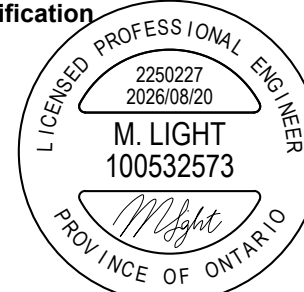
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DEPARTMENT
RENOVATIONS

Project Manager HDR
Project Designer HDR
Project Architect HDR
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Electrical Engineer HHA
Interior Designer HDR
Equipment Planner HDR
Wayfinding ---
Drawn By Author

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Sheet Name
**PLASTER SINK -
GROUND FLOOR
PLUMBING - DEMO &
NEW WORK**

Scale
1 : 50

Sheet Number

M4-02