



ARTIST RENDERING. FOR REFERENCE ONLY.

SHSC - OR3 & OR4 Lead Installation

2075 Bayview Ave, North York, ON M4N 3M5

NORR
NORR Architects & Engineers Limited

175 Bloor Street East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
norr.com

DEVELOPMENT PERMIT:DEVELOPMENT PERMIT NO.
NORR PROJECT NUMBER:HS1024-0008
CLIENT PROJECT NUMBER:CLIENT PROJECT NUMBER

ISSUED FOR TENDER & PERMIT - 2025-03-04

MECHANICAL	ELECTRICAL	ARCHITECTURE	
HHA HHAngus 1176 EGLINTON AVENUE EAST, SUITE 800, TORONTO, ONTARIO, M3C 0S1 416-443-8200	HHA HHAngus 1176 EGLINTON AVENUE EAST, SUITE 800, TORONTO, ONTARIO, M3C 0S1 416-443-8200	NORR NORR 175 BLOOR STREET EAST, TORONTO, ONTARIO, M4W 3R8 416-929-0200	

SYMBOL LEGEND

TITLE MARK		VIEW NUMBER	VIEW NAME
#	View Name	A##-##	SCALE: View Scale
			VIEW SCALE
			DRAWING NUMBER WHERE VIEW IS LOCATED
PLAN DETAIL REFERENCE		DETAIL NUMBER	REFERENCE
	#	A##-##	DRAWING NUMBER WHERE DETAIL IS LOCATED
BUILDING SECTION REFERENCE		SECTION NUMBER	REFERENCE
	#	A##-##	DRAWING NUMBER WHERE SECTION IS LOCATED
WALL / DETAIL SECTION REFERENCE		SECTION NUMBER	REFERENCE
	#	A##-##	DRAWING NUMBER WHERE SECTION IS LOCATED
EXTERIOR ELEVATION REFERENCE		REFERENCE	ELEVATION NUMBER
	#	A##-##	DRAWING NUMBER WHERE ELEVATION IS LOCATED
INTERIOR ROOM ELEVATION REFERENCE		DRAWING NUMBER WHERE ELEVATION IS LOCATED	REFERENCE
	0 REF	A##-##	0 REF
	0 REF	A##-##	0 REF
	0 REF	A##-##	0 REF
	0 REF	A##-##	0 REF
GRID TAG		#	
GRID TAG EXISTING		#	
LEVEL TAG		NAME	LEVEL NAME
	###	###	LEVEL ELEVATION
HEIGHT ELEVATION TAG		###	
SPOT ELEVATION TAG		###	
LINEAR DIMENSION		##	
ANGULAR DIMENSION			
RADIAL DIMENSION			
ROOM TAG		ROOM NAME	ROOM NUMBER
	###	###	ROOM NUMBER
DOOR NUMBER TAG		###	
WINDOW TAG		W#	
REVISION TAG		#	
PROJECT NORTH ARROW			TRUE NORTH
CEILING ASSEMBLY TAG		C##	CEILING ASSEMBLY
	###	###	CEILING HEIGHT A.F.F.
FLOOR ASSEMBLY TAG		F##	
ROOF ASSEMBLY TAG		R##	
EXTERIOR WALL / CURTAIN WALL / PARTITION ASSEMBLY TAG		X##	
ACCESSORY TYPE TAG		AC##	
EQUIPMENT TYPE TAG		EQ ##	
	###	###	
FURNITURE TYPE TAG		XX-#	
MILLWORK TYPE TAG		MW##	
ROOM FINISH TYPE TAG		X#	
FINISH SET OUT / START POINT			

	DENOTES EXISTING GYPSUM BOARD CEILINGS AND ASSOCIATED SUSPENSION SUPPORT FRAMING ABOVE ANCHORED TO THE UNDERSIDE OF STRUCTURE TO BE REMOVED AND DISPOSED OF IN THEIR ENTIRETY
	DENOTES ACOUSTIC CEILING TO BE REMOVED AND DISPOSED OF OFF-SITE IN ITS ENTIRETY
	EXISTING CEILING HEIGHT
	DENOTES NEW SUSPENDED GYPSUM BOARD CEILING ASSEMBLY WITH OVERHEAD SUSPENSION SUPPORT SYSTEM ANCHORED TO UNDERSIDE OF STRUCTURE.
	DENOTES NEW 2' x 4' LAY-IN ACOUSTIC CEILING TILE IN SUSPENDED T-BAR CEILING GRID ASSEMBLY AS SPECIFIED.
	DENOTES NEW 2' x 2' LAY-IN ACOUSTIC CEILING TILE IN SUSPENDED T-BAR CEILING GRID ASSEMBLY AS SPECIFIED.
	LIGHT FIXTURE 2' x 4' REFER TO ELECTRICAL DWGS.
	LIGHT FIXTURE 2' x 2' REFER TO ELECTRICAL DWGS.
	POT LIGHT. REFER TO ELECTRICAL DWGS.
	WALL MOUNTED LIGHT FIXTURE. REFER TO ELECTRICAL DWGS.
	DENOTES NEW FINISHED INSTALLED CEILING HEIGHT
	SUPPLY DIFFUSER. REFER TO MECHANICAL DWGS.
	RETURN GRILLE. REFER TO MECHANICAL DWGS.
	DENOTES CEILING ACCESS PANEL
	DENOTES NEW "EXIT" SIGN
	DIRECTIONAL "EXIT" SIGN
	DENOTES NEW AUDIO SPEAKER FLUSHED MOUNTED WITHIN THE SUSPENDED CEILING ASSEMBLY

	EXISTING PARTITION, DOOR AND FRAME TO REMAIN
	EXISTING DOOR TO BE REMOVED
	WALL / PARTITION TO BE REMOVED
	DOOR NUMBER
	NEW DOOR
	NEW INTERIOR PARTITION
	INTERIOR PARTITION TYPE
	SCREEN NUMBER
	INTERIOR GLAZED SCREEN
	WAITING AREA 192
	ROOM NAME & ROOM NUMBER
	REFERENCE BUBBLE A40-01
	REMOTE RELEASE RR
	INTERCOM INT
	CARD READER CR
	HOLD OPEN HO
	ELECTRO - MAGNETIC LOCK ML
	POWER DOOR OPERATOR PDO
	VERIFY IN FIELD V.I.F.
	FIRE HOSE CABINET - REFER TO MECHANICAL DRAWINGS FHC
	ELECTRICAL PANEL -REFER TO ELECTRICAL DRAWINGS EP

DRAWING LIST - ARCHITECTURAL

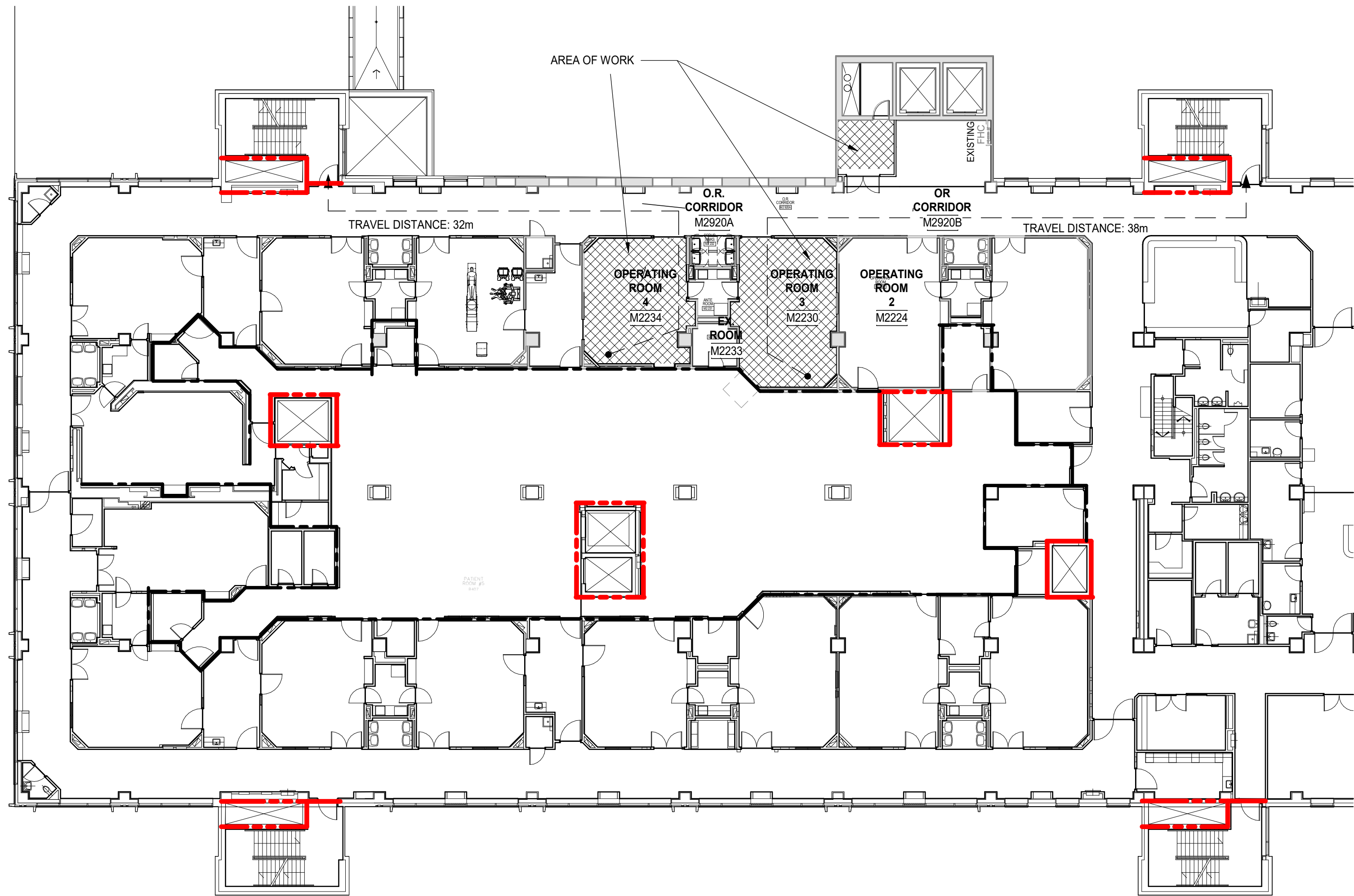
A00-00	COVER SHEET
A01-01	DRAWING LIST, OBC MATRIX, LIFE SAFETY PLAN & SYMBOL LEGEND
A01-03	CONTRACTOR ACCESS ROUTES FLOOR PLANS
A01-04	MOUNTING HEIGHTS
A01-05	DOOR & FRAME SCHEDULE, SCREEN SCHEDULE, PARTITION LEGEND & DETAILS
A20-01	LEVEL 2 OVERALL DEMOLITION FLOOR PLAN
A20-02	LEVEL 2 OVERALL CONSTRUCTIONS FLOOR PLAN

DRAWING LIST - MECHANICAL

M-1	MECHANICAL GENERAL NOTES AND LEGEND
M-2	M WING LEVEL 2 PART PLAN DEMOLITION AND NEW WORK HVAC
M-3	M WING LEVEL 2 PART PLAN DEMOLITION AND NEW WORK FIRE PROTECTION
M-4	M WING LEVEL 2 PART PLAN DEMOLITION AND NEW WORK PLUMBING AND MEDICAL GAS

DRAWING LIST - ELECTRICAL

E-1	LEVEL2 - OR #3 AND OR #4 LEAD LINING OF THE WALLS - ELECTRICAL
E-2	NETWORK CABLING PLAN AND SCHEMATIC - ELECTRICAL



ONTARIO BUILDING CODE DATA MATRIX 2024 PART 3					O.B.C. REFERENCE																												
					PART 11	PART 3																											
1	PROJECT DESCRIPTION MINOR INTERIOR RENOVATION OF GROUND FLOOR OFFICES AND CORRIDOR TO CREATE NEW CT ROOMS <div><input type="checkbox"/> NEW <input type="checkbox"/> ADDITION <input checked="" type="checkbox"/> ALTERATION <input type="checkbox"/> CHANGE OF USE</div>				11.1 TO 11.4	1.1.2 [A]																											
2	MAJOR OCCUPANCY(S) GROUP B, DIVISION 2 - CARE AND TREATMENT OCCUPANCIES				3.1.2.1(1)																												
3	BUILDING AREA (m²)		EXISTING: UNCHANGED NEW: 0 TOTAL: UNCHANGED	1.4.1.2 [A]																													
4	GROSS AREA PER FLOOR (m²)		EXISTING: UNCHANGED RENOVATED: 185 m² TOTAL: 185 m²	1.4.1.2 [A]																													
5	NUMBER OF STOREYS		ABOVE GRADE: 14 BELOW GRADE: 4	1.4.1.2 [A] & 3.2.1.1																													
6	NUMBER OF STREETS / FIRE FIGHTER ACCESS		4	3.2.2.10 & 3.2.5.																													
7	BUILDING CLASSIFICATION 3.2.2.38. GROUP B - DIVISION 2, ANY HEIGHT, ANY AREA, SPRINKLERED				3.2.2.20-83																												
8	SPRINKLER SYSTEM PROPOSED <input checked="" type="checkbox"/> ENTIRE BUILDING (EXISTING TO REMAIN) <input type="checkbox"/> SELECTED COMPARTMENTS <input type="checkbox"/> BASEMENT ONLY <input type="checkbox"/> IN LIEU OF ROOF RATING <input type="checkbox"/> NOT REQUIRED				3.2.2.52 (2)(a), 3.2.2.17, 3.2.4.15, INDEX																												
9	STANDPIPE REQUIRED <input checked="" type="checkbox"/> YES (EXISTING TO REMAIN) <input type="checkbox"/> NO				3.2.9																												
10	FIRE ALARM REQUIRED <input checked="" type="checkbox"/> YES (EXISTING TO REMAIN) <input type="checkbox"/> NO				3.2.2.17																												
11	WATER SUPPLY / SUPPLY IS ADEQUATE <input checked="" type="checkbox"/> YES (EXISTING TO REMAIN) <input type="checkbox"/> NO				3.2.5.7																												
12	HIGH BUILDING <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				3.2.6																												
13	PERMITTED CONSTRUCTION <input type="checkbox"/> COMBUSTIBLE <input checked="" type="checkbox"/> NON-COMBUSTIBLE <input type="checkbox"/> BOTH ACTUAL CONSTRUCTION <input type="checkbox"/> COMBUSTIBLE <input checked="" type="checkbox"/> NON-COMBUSTIBLE <input type="checkbox"/> BOTH				3.2.2.20-83																												
14	MEZZANINE(S) AREA (m²) -				3.2.1.1.(3)-(8)																												
15	OCCUPANT LOAD BASE ON <input type="checkbox"/> m²/PERSON <input checked="" type="checkbox"/> DESIGN OF BUILDING				3.1.17																												
16	BARRIER-FREE DESIGN <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (EXPLAIN)				3.8																												
17	HAZARDOUS SUBSTANCES <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				3.3.1.2. & 3.3.1.19																												
18	REQUIRED FIRE RESISTANCE RATING (FRR)		<table><tr><th colspan="2">HORIZONTAL ASSEMBLIES FRR (HOURS)</th><th>LISTED DESIGN NO. OR DESCRIPTION (SG-2)</th></tr><tr><td>FLOOR:</td><td>2 HOURS</td><td>-</td></tr><tr><td>MEZZANINE:</td><td>1 HOURS</td><td>-</td></tr><tr><td>ROOF:</td><td>0 HOURS</td><td>-</td></tr><tr><th colspan="2">SUPPORTING MEMBERS FRR (HOURS)</th><th>LISTED DESIGN NO. OR DESCRIPTION (SG-2)</th></tr><tr><td>WALLS/COLUMNS:</td><td>2 HOURS</td><td>-</td></tr><tr><td>MEZZANINE:</td><td>1 HOURS</td><td>-</td></tr><tr><td>ROOF:</td><td>0 HOURS</td><td>-</td></tr></table>	HORIZONTAL ASSEMBLIES FRR (HOURS)		LISTED DESIGN NO. OR DESCRIPTION (SG-2)	FLOOR:	2 HOURS	-	MEZZANINE:	1 HOURS	-	ROOF:	0 HOURS	-	SUPPORTING MEMBERS FRR (HOURS)		LISTED DESIGN NO. OR DESCRIPTION (SG-2)	WALLS/COLUMNS:	2 HOURS	-	MEZZANINE:	1 HOURS	-	ROOF:	0 HOURS	-	<div>3.2.2.29, 3.2.1.4</div> <div>3.2.2.17</div>					
HORIZONTAL ASSEMBLIES FRR (HOURS)		LISTED DESIGN NO. OR DESCRIPTION (SG-2)																															
FLOOR:	2 HOURS	-																															
MEZZANINE:	1 HOURS	-																															
ROOF:	0 HOURS	-																															
SUPPORTING MEMBERS FRR (HOURS)		LISTED DESIGN NO. OR DESCRIPTION (SG-2)																															
WALLS/COLUMNS:	2 HOURS	-																															
MEZZANINE:	1 HOURS	-																															
ROOF:	0 HOURS	-																															
19	SPATIAL SEPARATION - CONSTRUCTION OF EXTERIOR WALLS		<table><tr><th>WALL</th><th>AREA OF EBF (m²)</th><th>LIMITING DISTANCE (m)</th><th>L/H OR H/L</th><th>PERMITTED MAX. % OF OPENINGS</th><th>PROPOSED % OF OPENINGS</th></tr><tr><td>NORTH</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr><tr><td>EAST</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr><tr><td>SOUTH</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr><tr><td>WEST</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr></table>	WALL	AREA OF EBF (m²)	LIMITING DISTANCE (m)	L/H OR H/L	PERMITTED MAX. % OF OPENINGS	PROPOSED % OF OPENINGS	NORTH	N/A	N/A	N/A	N/A	N/A	EAST	N/A	N/A	N/A	N/A	N/A	SOUTH	N/A	N/A	N/A	N/A	N/A	WEST	N/A	N/A	N/A	N/A	N/A
WALL	AREA OF EBF (m²)	LIMITING DISTANCE (m)	L/H OR H/L	PERMITTED MAX. % OF OPENINGS	PROPOSED % OF OPENINGS																												
NORTH	N/A	N/A	N/A	N/A	N/A																												
EAST	N/A	N/A	N/A	N/A	N/A																												
SOUTH	N/A	N/A	N/A	N/A	N/A																												
WEST	N/A	N/A	N/A	N/A	N/A																												
ONTARIO BUILDING CODE DATA MATRIX PART 11					O.B.C. REFERENCE																												
11.1	EXISTING BUILDING CLASSIFICATION		DESCRIBE EXISTING USE: - CONSTRUCTION INDEX: - HAZARD INDEX: - <input checked="" type="checkbox"/> NOT APPLICABLE (NO CHANGE OF MAJOR OCCUPANCY)		11.2.1, 11.2.1.1A, 11.2.1.1J																												
11.2	ALTERATION TO EXISTING BUILDINGS <input checked="" type="checkbox"/> BASIC RENOVATION <input type="checkbox"/> EXTENSIVE RENOVATION				11.3.3.1, 11.3.3.2																												
11.3	REDUCTION IN PERFORMANCE LEVEL		<table><tr><td>STRUCTURAL:</td><td><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES</td><td></td></tr><tr><td>BY INCREASE IN OCCUPANT LOAD:</td><td><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES</td><td></td></tr><tr><td>BY CHANGE IN MAJOR OCCUPANCY:</td><td><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES</td><td></td></tr><tr><td>PLUMBING:</td><td><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES</td><td></td></tr><tr><td>SEWAGE SYSTEM:</td><td><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES</td><td></td></tr></table>		STRUCTURAL:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		BY INCREASE IN OCCUPANT LOAD:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		BY CHANGE IN MAJOR OCCUPANCY:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PLUMBING:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		SEWAGE SYSTEM:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		11.4.2, 11.4.2.1, 11.4.2.2, 11.4.2.3, 11.4.2.4, 11.4.2.5													
STRUCTURAL:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES																																
BY INCREASE IN OCCUPANT LOAD:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES																																
BY CHANGE IN MAJOR OCCUPANCY:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES																																
PLUMBING:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES																																
SEWAGE SYSTEM:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES																																
11.4	COMPENSATING CONSTRUCTION		<table><tr><td>STRUCTURAL:</td><td><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)</td><td></td></tr><tr><td>BY INCREASE IN OCCUPANT LOAD:</td><td><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)</td><td></td></tr><tr><td>BY CHANGE IN MAJOR OCCUPANCY:</td><td><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)</td><td></td></tr><tr><td>PLUMBING:</td><td><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)</td><td></td></tr><tr><td>SEWAGE SYSTEM:</td><td><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)</td><td></td></tr></table>		STRUCTURAL:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)		BY INCREASE IN OCCUPANT LOAD:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)		BY CHANGE IN MAJOR OCCUPANCY:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)		PLUMBING:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)		SEWAGE SYSTEM:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)		11.4.3, 11.4.3.2, 11.4.3.3, 11.4.3.4, 11.4.3.5, 11.4.3.6													
STRUCTURAL:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)																																
BY INCREASE IN OCCUPANT LOAD:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)																																
BY CHANGE IN MAJOR OCCUPANCY:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)																																
PLUMBING:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)																																
SEWAGE SYSTEM:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)																																
11.5	COMPLIANCE ALTERNATIVES PROPOSED: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (GIVE NUMBERS)				11.5.1																												
11.6	ALTERATION TO EXISTING BUILDINGS: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)				11.5.2																												

LIFE SAFETY LEGEND

NOTE:
THIS DRAWING IS SHOWING EXISTING FIRE RATING BASED ON INFORMATION PROVIDED BY THE OWNER.

SYMBOL	DESCRIPTION
	EXISTING 1 HOUR FIRE SEPARATION
	EXISTING 2 HOUR FIRE SEPARATION
	EGRESS PATH

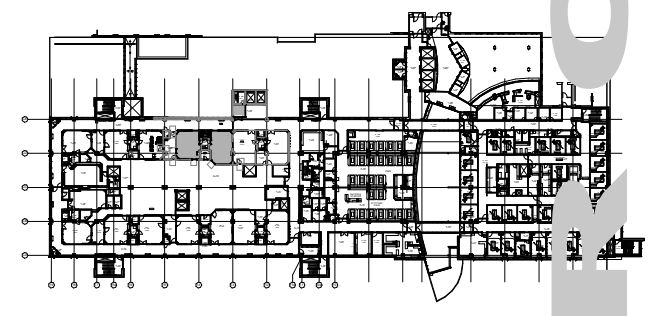
DATE	ISSUED FOR	REV
04-03-2025	ISSUED FOR TENDER & PERMIT	1

This drawing has been prepared solely for the use of Sunnybrook Health Science Centre and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract.

This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer

Project Component

Key Plan



Consultants

Survey: NORR

Civil: NORR

Architecture: NORR

Structural: HHA

Mechanical: HHA

Electrical: HHA

Interiors: HHA

Landscape: HHA

Seal(s)



NORR

NORR OFFICE ADDRESS

norr.com

Project Manager

G. LECMAN

Project Leader

F. PANICI

Client

Sunnybrook Health Science Centre

2075 Bayview Ave, North York, ON M4N 3M5

Project

SHSC - OR3 & OR4 Lead Installation

1 2075 Bayview Ave, North York, ON M4N 3M5

DRAWING LIST, OBC MATRIX, LIFE SAFETY PLAN & SYMBOL LEGEND

Scale

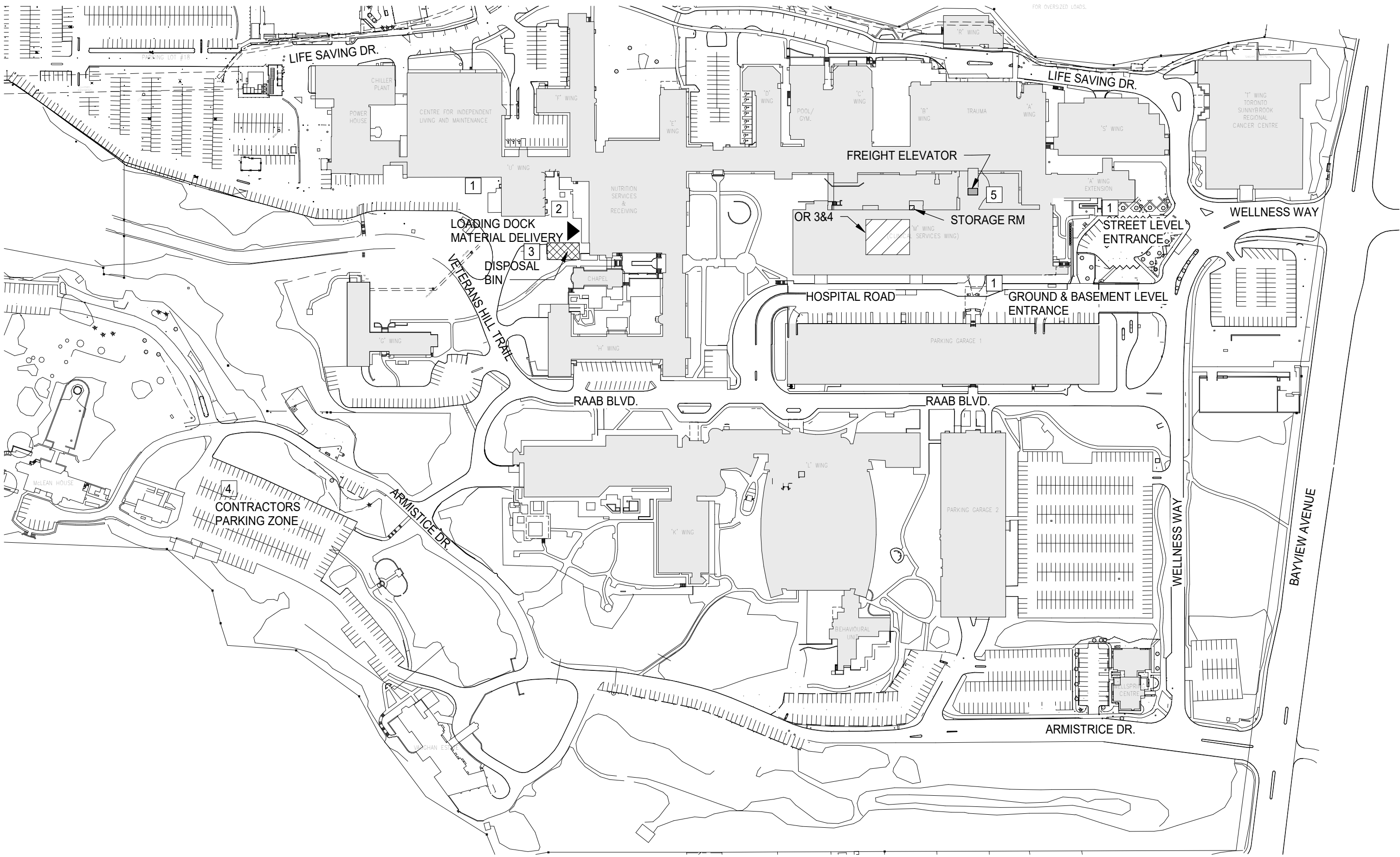
As indicated

Project No.

HS1024-0008

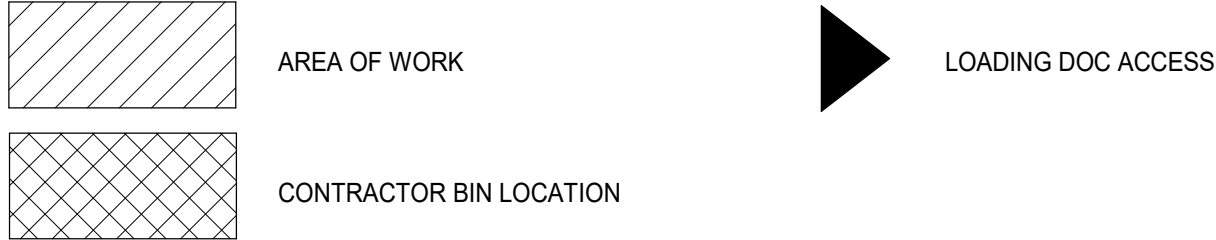
Drawing No.

A01-01



RENOVATION NOTES:

- 1
- BUILDING ACCESS: CONTRACTOR SHALL USE DESIGNATED ENTRANCES AND ENTER THE CONSTRUCTION AREA USING INTERNAL HOSPITAL CORRIDORS. CONTRACTOR SHALL NOT IMPEDE HOSPITAL OPERATIONS/ACTIVITY. CONTRACTORS SHALL GIVE HOSPITAL PRIORITY ACCESS AND MOVEMENT THROUGH ALL DESIGNATED ENTRANCES AND INTERNAL HOSPITAL CORRIDORS.
- 2
- E-WING GENERAL RECEIVING DOCK: THE CONTRACTOR CAN DO DELIVERIES MONDAY TO FRIDAY BETWEEN 7:00 AM AND 2:00 PM. ANY DOCK USAGE OUTSIDE OF THESE DAYS AND/OR TIME WILL REQUIRE ASSISTANCE OF HOSPITAL'S SECURITY GUARD, PAID BY THE CONTRACTOR AT RATE OF \$50/HR - AT 4 HR MINIMUM (\$200.00) PER OCCURRENCE. CONSTRUCTION MATERIALS MUST BE REMOVED FROM THE DOCK IMMEDIATELY, AND TRANSPORTED ALONG THE BASEMENT CORRIDOR TO M-WING SERVICE ELEVATOR AND THEN UP TO THE WORK AREA OR TO DESIGNATED WORK AREA.
- 3
- CONTRACTOR DISPOSAL BIN LOCATION (TO BE CONFIRMED BY THE HOSPITAL); CONTRACTOR SHALL EXCHANGE BIN ONLY BETWEEN THE HOURS OF 7PM AND 3 AM.
- 4
- PARKING: CONTRACTOR SHALL COORDINATE WITH THE HOSPITAL TO OBTAIN PARKING PERMITS AT THE PARKING CONTROL OFFICE FOR THE DESIGNATED CONTRACTOR PARKING SPOTS.
- 5
- FREIGHT - M-WING SERVICE ELEVATOR BESIDE 2ND CUP: THE CONTRACTOR WILL BE ALLOWED TO USE THIS ELEVATOR; (FOR DELIVERY OF MATERIALS AND REMOVAL OF DEBRIS) TO AND FROM THE WORK AREA, WITHIN THE TIME FRAME ALLOCATED DAILY BY THE HOSPITAL - SUBJECT TO FURTHER COORDINATION WITH THE HOSPITAL. DELIVERY OF MATERIALS WITH USE OF PASSENGER ELEVATORS IS STRICTLY PROHIBITED.



GENERAL NOTES:

- A
- CONTRACTOR SHALL EXERCISE PREVENTATIVE MEASURES FOR INFECTION CONTROL, CONFORMING TO C.S.A STANDARD Z317.13-22 "INFECTION CONTROL DURING CONSTRUCTION, RENOVATION, AND MAINTENANCE OF HEALTH CARE FACILITIES". CONTRACTOR SHALL COORDINATE WITH SHSC FOR OCC HEALTH AND IP&C APPROVALS ON LOCATION, EXTENT AND BOUNDARIES FOR ALL HOARDING PRIOR TO COMMENCEMENT WITH ANY WORK ON SITE.
- B
- HOARDING LINES ON DRAWINGS ARE INDICATIVE AND SCHEMATIC; EXACT LOCATIONS SHALL BE DETERMINED ON SITE IN CONSULTATION WITH HOSPITAL PROJECT MANAGER AND INFECTION CONTROL/OCC HEALTH REPRESENTATIVE. HOARDING WALL DETAILS AND LOCATION ARE SUBJECT TO CHANGE BASED ON SITE CONDITIONS AND CLINICAL WORK FLOWS WHERE CONTINUOUS ACCESS BY SHSC CLINICAL STAFF TO THE STERILE CORE FOR RETRIEVAL OF OR EQUIPMENT AND STERILE SUPPLIES/CONSUMABLES THAT WILL GOVERN OVER THE CONTRACTOR'S SCHEDULE AND CONVENIENCE TO MAINTAIN STAFF'S ACCESS TO CLINICAL EQUIPMENT AND SUPPLIES THAT ARE PROXIMITY PATIENT/STAFF SAFETY WITH REQUIRED ACCESS TO AMENITIES
- C
- WHERE EXISTING FIRE SEPARATIONS ARE DEMOLISHED AS PART OF THE WORK WHICH SEPARATES THE PLACE OF THE WORK FROM HOSPITAL OCCUPIED SPACES, PROVIDE CONSTRUCTION HOARDING WITH EQUAL FIRE RATING AT REMOVED WALLS - REFER TO FIRE SEPARATIONS PLANS FOR LOCATIONS AND EXTENT.
- D
- IN AREAS WHERE A 1-HR FIRE RATED INFECTION CONTROL BARRIER IS INDICATED, PROVIDE 5/8" FIRE RATED GYPSUM BOARD TYPE "X" BOTH SIDES OF 92mm METAL STUDS, FULL HEIGHT TO UNDERSIDE OF STRUCTURE. TAPE CAN BE INSTALLED WITH ADHESIVE SPRAY. ENSURE WALL CAVITY IS DRY UPON INSTALLATION OF INSULATION AND REMAINS DRY THROUGHOUT THE DURATION OF THE PROJECT.
- E
- DOORS IN CONSTRUCTION HOARDING SHALL BE MIN. 3'-0" x 6'-6" C/W WEATHERSTRIPPING & FLOOR SWEEPS. PROVIDE KEYS (MASTER-KEYED) OR KEYPAD (SYNCHRONIZED) LOCKSET AT EACH HOARDING DOOR, AS PER HOSPITAL PROJECT MANAGER'S DIRECTION. MINIMIZE DISRUPTIONS TO ADJACENT SENSITIVE CLINICAL ZONES DURING CONSTRUCTION.
- F
- CONTRACTOR SHALL PROVIDE AND INSTALL CERTIFIED PORTABLE H.E.P.A. FILTERED AIR UNITS AND ENSURE THEY ARE OPERATIONAL THROUGHOUT THE COURSE OF CONSTRUCTION AND RENOVATIONS. PROVIDE TEMPORARY DUCTWORK AND NECESSARY MEANS AND METHODS TO EXHAUST THE AIR FROM WORK ZONES UNDER CONSTRUCTION DIRECTLY TO THE EXTERIOR. COORDINATE WITH HOSPITAL FOR TIE-INS WITH THE BUILDING EXHAUST SYSTEM. CONTRACTOR TO PREPARE A DAILY LOG, MONITOR AND RECORD H.E.P.A. READINGS AND CHANGE FILTERS PERIODICALLY AS REQUIRED.
- G
- HOARDING SHALL BE COORDINATED WITH LOCATIONS OF EXISTING DEVICES TO REMAIN IN SERVICE DURING THE WORK.
- H
- FOR 92mm METAL STUDS @406mm o.c. HEIGHT UP TO 14'-4" WHERE DEFLECTION L/240 LATERAL PRESSURE = 5 psf < 240 Pa
FOR 92mm METAL STUDS @305mm o.c. HEIGHT UP TO 17'-8" WHERE DEFLECTION L/120
FOR 152mm METAL STUDS @406mm o.c. HEIGHT UP TO 19'-9" WHERE DEFLECTION L/240 LATERAL PRESSURE = 5 psf <240 Pa
- I
- IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO CO-ORDINATE THE WORK OF ALL SUB-TRADES INCLUDING THE WORK PERFORMED BY THE SPECIALTY EQUIPMENT VENDORS AND SHALL CONFORM TO CSA STANDARD Z317.13-22 INCLUDING ALL APPLICABLE GOVERNING CODES AND REGULATIONS SATISFYING THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION (AHJ).
- J
- IT IS UNDERSTOOD THAT MECHANICAL AND ELECTRICAL WORK EXTENDS BEYOND THE BOUNDARY OF THE EXPANDED OPERATING ROOMS#3&4. ALLOW FOR TEMPORARY HOARDING TO BE INSTALLED THAT WILL ENABLE ERECTION OF CONSTRUCTION HOARDINGS WITHIN ALL CLINICAL & STERILE ZONES. CONTRACTOR TO ENSURE A SAFE WORK AREA & CONFORM WITH ALL INFECTION CONTROL REQUIREMENTS INCLUDING SITE SAFETY FOR WORK PERFORMED AFTER NORMAL BUSINESS HOURS INCLUDING PREMIUM TIME WITHIN THE CONTRACTOR'S WORK SITE LIMITS.
- K
- ALL TEMPORARY AND CONSTRUCTION HOARDING SHALL BE PROVIDED IN CONJUNCTION WITH PHASED CONSTRUCTION ACTIVITIES TO MINIMIZE IMPACTS TO CLINICAL AND HOSPITAL OPERATIONS AS DETERMINED BY THE CONTRACTOR'S MEANS AND METHODS

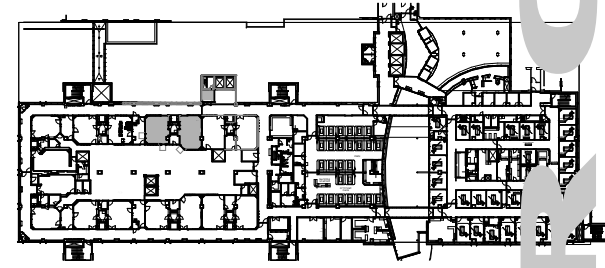
DATE	ISSUED FOR	REV
04-03-2025	ISSUED FOR TENDER & PERMIT	1

This drawing has been prepared solely for the use of Sunnybrook Health Science Centre and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract.

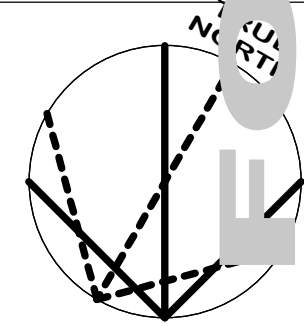
This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer

Project Component

Key Plan



Consultants
Survey:
Civil:
Architecture: NORR
Structural: HHA
Mechanical: HHA
Electrical: HHA
Interiors:
Landscape:



Seal(s)



NORR

NORR OFFICE ADDRESS
norr.com

Project Manager G. LECMAN	Drawn Author
Project Leader F. PANICI	Checked Checker

Client
Sunnybrook Health Science Centre

2075 Bayview Ave, North York, ON M4N 3M5

Project
SHSC - OR3 & OR4 Lead Installation

1 2075 Bayview Ave, North York, ON M4N 3M5

Drawing Title
CONTRACTOR ACCESS ROUTES FLOOR PLANS

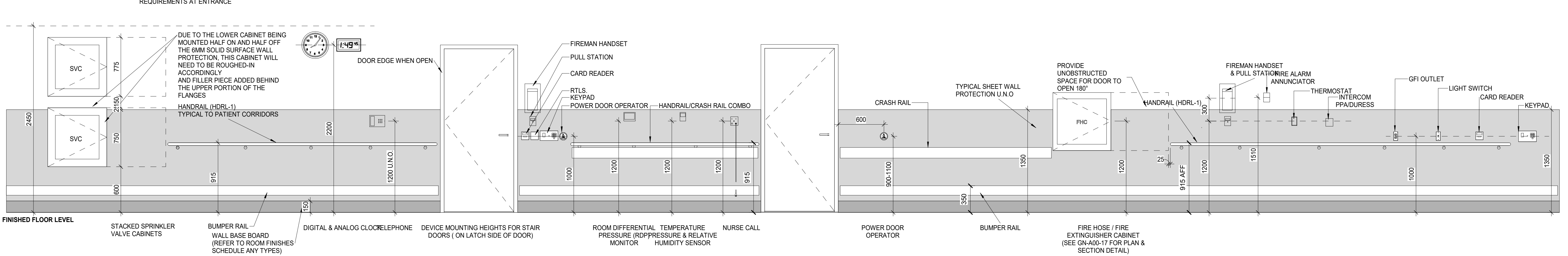
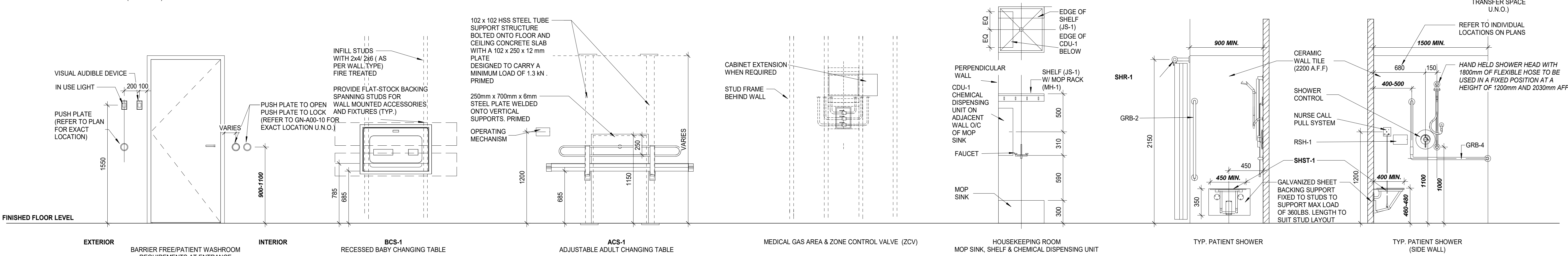
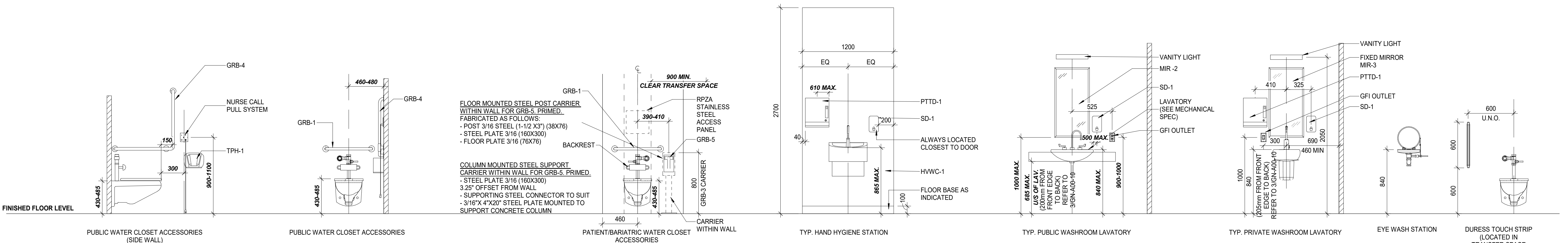
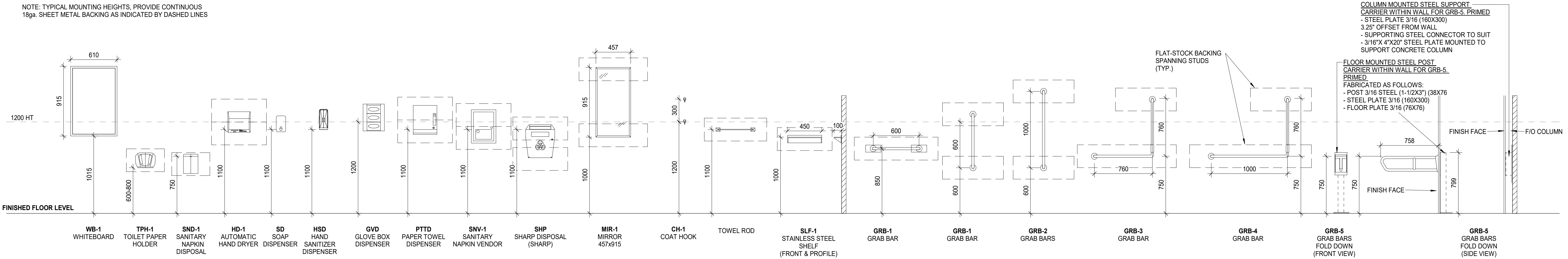
Scale
As indicated

Project No.
HS1024-0008

Drawing No.
A01-03

2/20/2025 11:27:39 AM
AutoSave: Doc\SHSC - OR3 & OR4 Installation\NORR_VS 1024-0008_ARCH\CHSC_OR3-OR4-Interior-Study.rvt
ISO B1 Title Block - v.2023 - Rev (Sept23) - Copyright © 2023

NOTE: TYPICAL MOUNTING HEIGHTS, PROVIDE CONTINUOUS
18ga. SHEET METAL BACKING AS INDICATED BY DASHED LINES



DATE	ISSUED FOR	REV
04-03-2025	ISSUED FOR TENDER & PERMIT	1

This drawing has been prepared solely for the use of Sunnybrook Health Science Centre and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract.

This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer

Project Component

Key Plan

Consultants
Survey: NORR
Civil: NORR
Architecture: NORR
Structural: HHA
Mechanical: HHA
Electrical: HHA
Interiors: HHA
Landscape: HHA

Seal(s)



NORR

NORR OFFICE ADDRESS
norr.com

Project Manager G. LECMAN	Drawn I. PRIGANICA
Project Leader F. PANICI	Checked G. LECMAN

Client
Sunnybrook Health Science Centre

2075 Bayview Ave, North York, ON M4N 3M5

Project
SHSC - OR3 & OR4 Lead Installation

2075 Bayview Ave, North York, ON M4N 3M5

Drawing Title
MOUNTING HEIGHTS

Scale
1 : 25

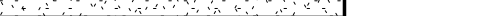
Project No.
HS1024-0008

Drawing No.
A01-04

PRELIMINARY - NOT FOR CONSTRUCTION

NOTE:

FOR ALL EXISTING PARTITIONS TO RECEIVE LEAD SHIELDING REMOVE LAYER OF DRYWALL WITHIN ROOM. CLEAN OUT STUD WITH HEPA FILTERED VACUUME. ADD NEW ENGINEERED STEEL STUD TO EACH EXISTING STUD AT MIN 400mm O.C. ADD NEW CLIP ANGLE AT EACH NEW STUD IF REQUIRED. ADD LEAD ANGLE OF SIMILAR THICKNESS TO THE LEAD SHIELDING TO BE USED FOR FULL HEIGHT OF SHIELDING. ADD ACOUSTIC BATT INSULATION. ADD LEAD SHIELDING COMPLETED WITH SEAM STRIPS AND SPACERS. ADD FACE DRYWALL, LEAD SHIELDING AND FACE DRYWALL TO BE FASTENED ONLY TO NEW ENGINEERED STUD.

<ul style="list-style-type: none"> REMOVE EXISTING INSULATION AND REPLACE WITH NEW INSULATION. 	 <p>PLAN</p>	<table border="1"> <tr> <td>6</td> <td>14 (194mm)</td> <td>G1-60</td> <td>G1-6-1</td> <td>--</td> <td>--</td> <td>51</td> <td>CL 0419 ULC W453</td> </tr> </table>	6	14 (194mm)	G1-60	G1-6-1	--	--	51	CL 0419 ULC W453
6	14 (194mm)	G1-60	G1-6-1	--	--	51	CL 0419 ULC W453			
<ul style="list-style-type: none"> ALL STEEL STUDS IN OR3 AND 4 WHERE LEAD LINING IS TO BE INSTALLED TO BE DOUBLED UP. 		<p>* INSULATION REQUIRED TO MEET 1 HR RATING</p>								

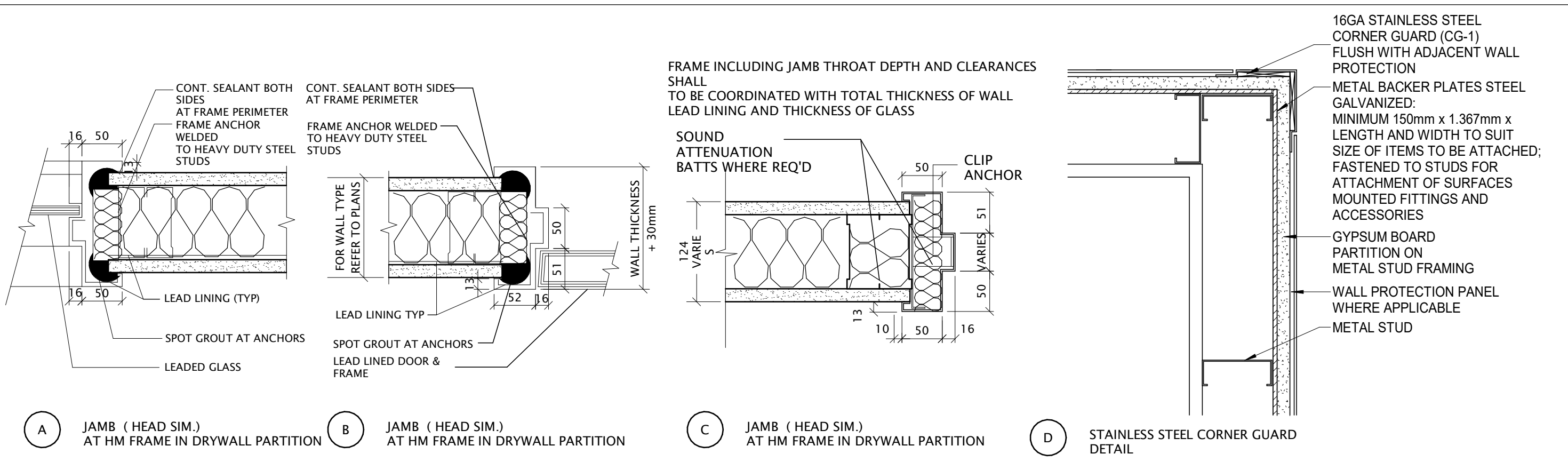
G1-2AB-U	METAL STUD W/ 1 LAYER OF GYPSUM EACH SIDE
-----------------	---

PARTITION SYMBOLS LEGEND										
STUD SIZE (NOMINAL)	METAL STUD SIZE (IMPERIAL)	METAL STUD SIZE (METRIC)	WOOD STUD SIZE (IMPERIAL)	WOOD STUD SIZE (METRIC)	HAT CHNL (NOMINAL)	HAT CHNL (IMPERIAL)	HAT CHNL (METRIC)	CMU SIZE (NOMINAL)	CMU SIZE (IMPERIAL)	CMU (METRIC)
1	1 5/8"	41mm	3/4"	19mm	1	7/8"	22mm	4	3 5/8"	92mm
2	2 1/2"	64mm	1 1/2"	38mm	2	1 1/2"	38mm	6	5 5/8"	142mm
3	3 5/8"	92mm	2 1/2"	64mm				8	7 5/8"	194mm
4			3 1/2"	89mm				12	11 5/8"	295mm
6	6"	152mm	5 1/2"	140mm						
8			7 1/4"	184mm						
	NOMINAL AND ACTUAL FRAMING MEMBER SIZES									

LEGEND / ABBREVIATIONS **DOOR TYPES LEGEND**

DOOR AND FRAME GENERAL NOTES

1. REFER TO SPECIFICATIONS OR FINISH IDENTIFICATION SCHEDULE FOR DESCRIPTION OF FINISHES AND COLOURS.
2. ALL FRAMES AND DOORS IN OR3 AND 4 TO BE LEAD LINED TO MATCH THE WALL REQUIREMENTS.



1. ALL STEEL STUD GUAGES FOR ALL PARTITIONS SHALL BE ENGINEERED BY A PROFESSIONAL ENGINEER, AND SHOULD BE SUBMITTED AS A SHOP DRAWING FOR CONSULTANT REVIEW.
2. EXTEND STEEL STUD FRAMING TO U/S OF SLAB OR ROOF SLAB ABOVE, UNLESS NOTED OTHERWISE.
3. PROVIDE CONTINUOUS REINFORCING BETWEEN STUDS FOR WALL MOUNTED MILLWORK, EQUIPMENT AND ACCESSORIES. FOR WALL HUNG CABINETS AND LEAD APRON HANGERS, PROVIDE 14 GA. STUDS PLACED AT BOTH ENDS OF THE CABINETS/HANGERS @ 8'-0" MAX. C/W CONTINUOUS 18 GA. SHEET METAL REINFORCED BACKING. REFER TO PLANS FOR EXTENTS.
4. CAULK ALL PERIMETER JOINTS AND PENETRATIONS THROUGH PARTITIONS.
5. FILL AND TAPE ALL JOINT FASTENER HEADS, EDGES, AND CORNERS IN GYPSUM WALL BOARD.

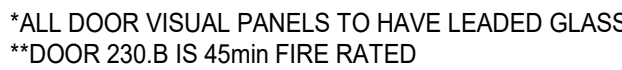
1. UNLESS OTHERWISE NOTED 16MM THICK LEAD SHIELDING MUST EXTEND FROM THE FLOOR TO A MINIMUM HEIGHT OF 2.1 M.

2. PENETRATIONS THROUGH SHIELDED BARRIERS (I.E. ELECTRICAL, AIR, PLUMBING, ETC.) SHALL HAVE THE PRESCRIBED THICKNESS OF LEAD/CONCRETE BACKING OR BAFFLING EXPOSED AREAS TO PROVIDE REQUISITE PROTECTION.

3. ABUTTING PANELS OF LEADED DRYWALL SHALL EITHER BE OVERLAPPED OR HAVE A LEADED STRIP COVERING THE JOINT SO AS TO MAINTAIN THE INTEGRITY OF THE SHIELDED WALL.

GL-FR: LAMINATED CERAMIC GLAZING, NON-WIRED, STANDARD GRADE, CLEAR GLASS

X-RAY PROTECTIVE GLASS OR LEADED GLASS:
GL-LD: LAMINATED LEADED GLASS WITH IONOPLAST INTERLAYER. TYPE LX-57B AS MANUFACTURED BY NIPPON ELECTRIC GLASS COMPANY LTD TO MATCH SHIELDING REQUIREMENTS FOR WALLS AND DOORS



DOOR AND FRAME TYPES

Survey:
Civil:
Architecture: NOR
Structural:
Mechanical: HHA
Electrical: HHA
Interiors:
Landscape:


 OF
 ARCHITECTS
 FRANK R. PANICI
 LICENCE
 5290

NORR OFFICE ADDRESS
norr.com

Project Manager G. LECMAN	Drawn I. PRIGANICA
Project Leader F. PANICI	Checked G. LECMAN

2075 Bayview Ave, North York, ON M4N 3M5

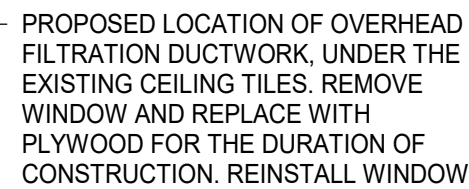
2075 Bayview Ave, North York, ON M4N 3M5





Scale	As indicated
-------	--------------

HS1024-0008

Drawing No. **A01-05**

A01-05



- LEGEND:**
- | | |
|---|--------------------|
|  | EXISTING TO REMAIN |
|  | EXISTING TO REMAIN |
|  | HARD HOARDING |
- 
- EXISTING DOORS TO REMAIN
- DASHED LINE DENOTES THE SCOPE OF DEMOLITION WORK

GENERAL NOTES:

1. ALTHOUGH ALL EFFORT HAS BEEN MADE TO ENSURE ACCURACY OF CONSTRUCTION DOCUMENTS, THE CONSULTANT DOES NOT WARRANT THE ACCURACY OF EXISTING BASE BUILDING CONDITIONS, DIMENSIONS OR MATERIALS DESCRIBED ON THE DRAWINGS. IT IS UNDERSTOOD THAT THE GENERAL CONTRACTOR, PRIOR TO SUBMITTING THEIR BID, HAS VISITED THE PLACE OF WORK AND OBSERVED THE AS-BUILT SITE CONDITIONS INCLUDING CONDITIONS WITHIN SERVICE AND ELECTRICAL ROOMS THAT HAVE BEEN MADE AVAILABLE WHERE ACCESS IS PROVIDED DURING THE SCHEDULED BIDDER SITE TOURS. IT IS ALSO EXPECTED THAT THE CONTRACTOR'S INVESTIGATIONS OF EXISTING SITE CONDITIONS SHALL BE TO THE EXTENT NECESSARY TO FAMILIARIZE AND ACQUAINT THEMSELVES FULLY WITH ALL APPARENT CONDITIONS AFFECTING THE WORK, INCLUDING REMOTE, CONCEALED AND ABOVE CEILING CONDITIONS, ETC.
2. EVERY POSSIBLE PRECAUTION BY THE CONTRACTOR SHALL BE TAKEN DURING DEMOLITION AND REMOVAL ACTIVITIES TO PREVENT DAMAGE TO MATERIALS AND SERVICES THAT ARE TO REMAIN. ANY DAMAGE SHALL BE REPAIRED AND / OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE HOSPITAL.
3. ENSURE INTEGRITY OF EXISTING DEMISING WALLS ADJOINING OPERATING ROOMS #8&4 ARE NOT COMPROMISED. DO NOT DISTURB DAILY CLINICAL OPERATIONS OF THE SURGICAL WARD AS THESE AREAS SHALL BE FULLY OPERATIONAL THROUGHOUT THE COURSE OF THE RENOVATIONS.
4. THE CONTRACTOR SHALL ENSURE MAINTAINING THE INTEGRITY OF ALL STRUCTURAL BUILDING ELEMENTS DURING DEMOLITION.
5. PRIOR TO ANY DEMOLITION ACTIVITIES WITHIN THE OPERATING ROOM SUITE, CONTRACTOR SHALL PROTECT AND COMPLETELY WRAP, TAPE & SEAL WITH 6mm POLYETHYLENE POLYETHYLENE BARRIER, ORERING UNLIMITED SURGICAL PENDANT PROCEDURE LIGHT, SUSPENDED MEDICAL GAS SERVICE TOWER, SUSPENDED MONITOR DISPLAYS ON ARTICULATING ARMS, MEDICAL EQUIPMENT BOOMS (ANESTHESIA & NURSE) INCLUDING THE OPERATING ROOM TABLE TO PREVENT CONTACT/CONTAMINATION OR RISK OF DAMAGE TO SENSITIVE EQUIPMENT FROM DUST / DEBRIS.
6. PRIOR TO DEMOLITION REMOVALS, CONTRACTOR SHALL ARRANGE WITH THE APPROPRIATE TRADE FOR THE DISCONNECTION OF UTILITY SERVICES AFFECTING THE WORK. PRESERVE IN OPERATING CONDITION ALL ACTIVE UTILITIES TO REMAIN FUNCTIONAL DURING THE COURSE OF THE WORK. MAKE SAFE, DISCONNECT, UNINSTALL DEVICES AND COMPONENTS EMBEDDED WITHIN THE EXISTING WALL TO FACILITATE INSTALLATION OF NEW LEAD LINING, REPAIR, REPLACE AND / OR REINSTATE DEVICES IN-SITU UPON COMPLETION OF EACH WORK. WHEN NECESSARY, CONNECT AS REQUIRED TO MAINTAIN NORMAL OPERATIONS OF THE SYSTEMS THIS WORK IS BEING PERFORMED. UTILITIES ARE LIMITED TO VENTILATION, MEDICAL GAS AND ELECTRICAL SERVICES.
7. MAINTAIN POINTS OF ACCESS, EXITS & MAIN CIRCULATION ROUTES ALIKE AT ALL TIMES. KEEP CLEAR & FREE OF CONSTRUCTION MATERIAL.
8. DASHED LINES INDICATE WORK THAT SHALL BE REMOVED UNLESS INDICATED OTHERWISE. ANY EXISTING WORK THAT IS INTENDED TO REMAIN UNDISTURBED AND IS DAMAGED RESULTING FROM THE COURSE OF WORK DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION THAT MATCHES EXISTING AND IS AT REASONABLE LEVEL ACCEPTABLE TO THE STANDARDS OF THE HOSPITAL. ALL REPAIRS SHALL HAVE TO BE TO A CLEAN APPEARANCE AND BE COMPATIBLE WITH EXISTING FINISHES TO MATCH.

DEMOLITION NOTES:

- ① UNINSTALL AND REMOVE ALL EXISTING DOORS AND FRAMES INCLUDING VISION PANELS WHERE SHOWN INCLUDING HARDWARE DEVICES UNLESS OTHERWISE NOTED. SALVAGE DOOR HARDWARE FOR REINSTALLATION.
- ② DEMOLISH ALUMINUM FRAMED SCREEN WINDOWS WITH INTEGRAL BLIND SYSTEM IN THEIR ENTIRETY. ENSURE CONSTRUCTION HOARDING BOUNDARY WITHIN OF CORRIDOR M2 920A ENCOMPASS BEYOND THE EXTENT OF THE SCREEN REMOVALS.
- ③ REMOVE AND DISPOSE OF ALL WALL PROTECTION COMPONENTS SUCH AS BUT NOT LIMITED TO CORNER GUARDS AND SOLID SURFACE WALL PROTECTION
- ④ CAREFULLY UNINSTALL ALL WALL MOUNTED OWNER FURNISHINGS & ACCESSORIES INCLUDING BUT NOT LIMITED TO PPE, WHITE BOARDS, PIN-UP BOARDS, WALL HOOKS, TELEPHONES, MILLWORK SHELVING, WALL MOUNTED ADJUSTABLE CHARTING STATION, DIGITAL WALL CLOCKS. ALL TO BE SALVAGED FOR REINSTALLATION.
- ⑤ UNINSTALL BUILT-IN CASEWORK WORKSTATION WITHIN THE ALCOVE INCLUDING ADJUSTABLE SHELVING ON METAL PILASTERS ABOVE AND BELOW THE STAINLESS STEEL COUNTERTOP. SALVAGE FOR REINSTALLATION UPON COMPLETION OF LEAD INSTALLATION WITHIN THE WALLS.
- ⑥ UNINSTALL CASEWORK WORKSTATION INCLUDING ADJUSTABLE SHELVING ABOVE AND BELOW THE COUNTER. SALVAGE FOR REINSTALLATION UPON COMPLETION OF LEAD INSTALLATION WITHIN THE WALLS.
- ⑦ REMOVE FLOOR BOX AND ALL ASSOCIATED COMPONENTS. REFER TO M&E DRAWINGS.
- ⑧ ALL EXISTING M&E EOP. TO BE REMOVED AND REINSTALLED. PATCH REPAIR AND REPAINT ALL WALLS TO MATCH THE EXISTING. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
- ⑨ REMOVE SELF COVE EPOXY BASE IN OR 3 AND 4. EXTENT OF REMOVAL TO 300mm AWAY FROM THE EXISTING WALL. MAKE GOOD FOR FLOORING REPAIRS.

This drawing has been prepared solely for the use of Sunnybrook Health Science Centre and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract.

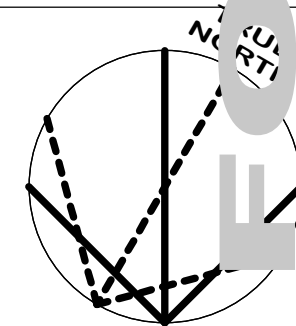
This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer

Project Component

Key Plan

Consultants

Survey:
Civil:
Architecture: NORR
Structural:
Mechanical: HHA
Electrical: HHA
Interiors:
Landscape:



Seal(s)



NORR

NORR OFFICE ADDRESS
norr.com

Project Manager G. LECMAN	Drawn A. DUDNYKOVA
Project Leader F. PANICI	Checked A. SMITH

Client
**Sunnybrook Health Science
Centre**

2075 Bayview Ave, North York, ON M4N 3M5

Project
SHSC - OR3 & OR4 Lead Installation

2075 Bayview Ave, North York, ON M4N 3M5

**LEVEL 2 OVERALL
DEMOLITION FLOOR PLAN**

Scale	As indicated
-------	--------------

Project No.	HS1024-0008
-------------	-------------

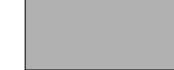
Drawing No. **A20-01**



LEGEND:

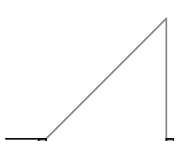


EXISTING TO REMAIN

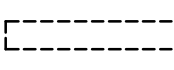


EXISTING TO REMAIN

NEW 1.6MM LEAD LINING FROM FLOOR TO 2130MM (7') A.F.F.



EXISTING DOORS TO REMAIN



DASHED LINE DENOTES THE SCOPE OF DEMOLITION WORK

CONSTRUCTION NOTES:

- PATCH, REPAIR AND PAINT TO MATCH EXISTING WALL AFFECTED BY DEMOLITION/RENOVATION.
- PREP. NEW GYPSUM BAORD WALL SURFACES TO RECEIVE M&E EQUIPMENT UPON COMPLETION OF LEAD INSTALLATION.
- PATCH AND REPAIR EXISTING FLOORING IN THE ENTIRE OR 3 AND 4. SELF COVE BASE TO EXTEND 150mm UP THE WALL.
- RESERVED
- NURSE CHARTING STATION WITH MONITOR/KEYBOARD TRAY ON ADJUSTABLE WALL BRACKET TO BE REINSTALLED UPON COMPLETION OF LEAD INSTALLATION WORK.
- ALL EXISTING ITEMS INCLUDING BUT NOT LIMITED TO THE WORKSTATIONS, SURGICAL INSTRUMENT CART, ANAESTHESIA CART, SURGICAL TABLE &... TO BE STORED AND PROTECTED AND MOVED BACK TO OR ROOMS 3&4 AFTER RENOVATION.
- EXISTING CEILING TO BE PATCHED AND PAINTED WHITE.
- PATCH AND REPAIR CONCRETE FLOOR, PROVIDE NEW EPOXY COATING TO MATCH EXISTING.
- NURSE CHARTING STATION WITH MONITOR/KEYBOARD TRAY ON ADJUSTABLE WALL BRACKET TO BE REINSTALLED UPON COMPLETION OF LEAD INSTALLATION WORK.
- EXISTING M&E EQUIPMENT REMOVE AND REINSTALL. TYPICAL FOR ALL.
- REMOVE EXISTING CEILING FOR THE INSTALLATION OF NEW WALLS. PROVIDE NEW CEILING TO MATCH EXISTING CEILING.

DATE	ISSUED FOR	REV
04-03-2025	ISSUED FOR TENDER & PERMIT	1

This drawing has been prepared solely for the use of Sunnybrook Health Science Centre and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract.

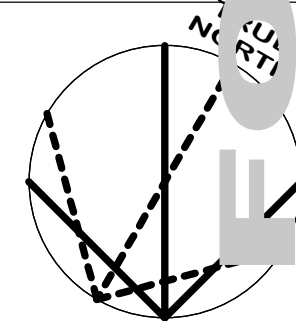
This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer

Project Component

Key Plan

Consultants

Survey:
Civil:
Architecture: NORR
Structural:
Mechanical: HHA
Electrical: HHA
Interiors:
Landscapes:



Seal(s)



2

NORR

NORR OFFICE ADDRESS
norr.com

Project Manager G. LECMAN	Drawn A. DUDNYKOVA
Project Leader F. PANICI	Checked G. LECMAN

Client

Sunnybrook Health Science Centre

2075 Bayview Ave, North York, ON M4N 3M5

Project

SHSC - OR3 & OR4 Lead Installation

2075 Bayview Ave, North York, ON M4N 3M5

Drawing Title

LEVEL 2 OVERALL CONSTRUCTIONS FLOOR PLAN

Scale

As indicated

Project No.

HS1024-0008

Drawing No.

A20-02

ISO B1 Title Block - v.2023 - Rev (Sept23) - Copyright © 2023

CONTROLS SYSTEMS LEGEND	
	CONTROL POINT (REFER TO CONTROL POINT LEGEND)
	CONTROL RELATIONSHIP
	CONTROL SIGNAL WIRING
	PNEUMATIC TUBING
	SENSING IN PIPE, DUCT, OR EQUIPMENT
	DIFFERENTIAL SENSING
	SENSING OF SPACE
	INDOOR OUTDOOR
	CONTROL VALVE
	MOTORIZED DAMPER (SCHEMATIC)
	BAS
	OWS
EXPLANATORY NOTES:	
[1] IF SHOWN, 'XX' = 'NC' WHEN LOSS OF SIGNAL OR 0% SIGNAL, THE VALVED/DAMPER IS CLOSED. IF SHOWN, 'XX' = 'NO' WHEN LOSS OF SIGNAL OR 0% SIGNAL, THE VALVED/DAMPER IS OPEN.	
[2] WHEN LOSS OF SIGNAL OR 0% SIGNAL, 'NO' PORT IS OPEN, 'NC' PORT IS CLOSED. WHEN AT 100% SIGNAL, 'NO' PORT IS CLOSED, 'NC' PORT IS OPEN. 'C' PORT IS ALWAYS FULLY OPEN.	

CONTROL POINT LEGEND				
SEQUENCE NUMBER (NOTE 1)				
4TH CHARACTER (IF APPLICABLE)				
3RD CHARACTER (IF APPLICABLE)				
2ND CHARACTER (IF APPLICABLE)				
1ST CHARACTER				
POINT TYPE				
XXXXXX#				
EXPLANATORY NOTES:				
[1] A SEQUENTIAL POINT NUMBER IS ADDED TO THE END OF AN ABBREVIATION IF THERE IS MORE THAN ONE INSTANCE OF THE SAME TYPE OF INSTRUMENT OR DEVICE ON THE SAME SCHEMATIC.				
POINT TYPE				
AI	ANALOG INPUT			
AO	ANALOG OUTPUT			
DI	DISCRETE INPUT			
DO	DISCRETE OUTPUT			
SC	SERIAL COMMUNICATION			
POINT ABBREVIATION				
LETTER	1st CHARACTER (FUNCTION)	2nd CHARACTER (MODIFIER)	3rd CHARACTER (MODIFIER)	4th CHARACTER (MODIFIER)
A	GAS ANALYSIS		ALARM	ALARM
C	MANUAL CONTROL	CLOSE	CLOSE	
D	DAMPER	DIFFERENTIAL		
E	EQUIPMENT (GENERAL)			
F	FLOW			
H	HUMIDITY	HIGH	HIGH	
I	CURRENT, VOLT, OR KW			
L	LEVEL	LOW	LOW	
O		OPEN	OPEN	
M	MISCELLANEOUS			
P	PRESSURE			
R	RATE, CAPACITY, OUTPUT	RESET	REVERSE	
S	SPEED, FREQUENCY	START/STOP		
T	TEMPERATURE	STATUS		
V	VALVE			
X	PILOT LIGHT	TRANSMITTER		
Z		POSITION		

PLUMBING LEGEND	
	FLOOR DRAIN, AREA DRAIN, OR FLOOR SINK
	FUNNEL FLOOR DRAIN
	CONNECTION TO PLUMBING FIXTURE VIA P-TRAP
	RUNNING TRAP
	CLEANOUT
	FLOOR CLEANOUT
	TOP SYMBOL USED FOR PLANS THAT ARE ASSOCIATED WITH THE CLEANOUTS'S ACCESS
	BOTTOM SYMBOL USED FOR PLANS THAT ARE ASSOCIATED WITH THE CLEANOUTS'S PIPING
	TRAP SEAL PRIMER PANEL

MEDICAL GAS SYSTEMS LEGEND	
	ZONE VALVE PANEL
	ZONE ALARM PANEL
	ZONE VALVE & ALARM COMBINATION PANEL
	MEDICAL SUPPORT GAS REGULATION CONTROL PANEL
	MEDICAL GASES TERMINAL UNITS.
	'XX' = TYPE OF MEDICAL GAS
	(REFER TO MEDICAL PIPING IDENTIFICATION FOR ABBREVIATIONS)

VENTILATION SYSTEMS LEGEND (2)	
	DUCT OFFSET UP
	DUCT OFFSET DOWN
	FLEXIBLE DUCT
	FLEXIBLE CONNECTION
	BALANCING DAMPER
	BACKDRAFT DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER
	MOTORIZED FIRE DAMPER
	SMOKE DAMPER
	COMBINATION FIRE AND SMOKE DAMPER
	SILENCER
	DUCT-MOUNTED COIL
	DUCT-MOUNTED HUMIDIFIER IN SECTION OF WATERPROOF DUCT
	AIR TERMINAL UNIT
	'XX' = AIR TERMINAL UNIT SIZE
	'YYYY' = AIR TERMINAL UNIT REFERENCE
	AIR TERMINAL UNIT WITH HYDRONIC REHEAT COIL
	'XX' = UNIT SIZE
	'YYYY' = AIR TERMINAL UNIT REFERENCE
	AIR TERMINAL UNIT WITH ELECTRIC REHEAT COIL
	'XX' = TERMINAL BOX SIZE
	'YYYY' = AIR TERMINAL UNIT REFERENCE
	FAN (SCHEMATIC)
	SUPPLY DIFFUSER
	'###' = NECK SIZE
	IF SHOWN, SHADDED REGION = BLANK OFF AIRFLOW IN THAT DIRECTION
	CEILING SUPPLY REGISTER / GRILLE
	'###' = REGISTER / GRILLE SIZE
	SIDEWALL SUPPLY REGISTER / GRILLE
	'###' = REGISTER / GRILLE SIZE
	CEILING PLENUM RETURN GRILLE
	'###' = GRILLE SIZE
	CEILING RETURN/EXHAUST GRILLE
	'###' = GRILLE SIZE
	SIDEWALL RETURN/EXHAUST GRILLE
	'###' = GRILLE SIZE

FIRE PROTECTION SYSTEMS LEGEND	
	PENDANT SPRINKLER HEAD
	EXTENDED COVERAGE PENDANT SPRINKLER HEAD
	UPRIGHT SPRINKLER HEAD
	EXTENDED COVERAGE UPRIGHT SPRINKLER HEAD
	DRY PENDANT SPRINKLER HEAD
	EXTENDED COVERAGE DRY PENDANT SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD
	EXTENDED COVERAGE SIDEWALL SPRINKLER HEAD
	CONCEALED SPRINKLER HEAD
	EXTENDED COVERAGE CONCEALED SPRINKLER HEAD
	SMOKE DETECTOR
	HEAT DETECTOR
	SUPERVISED VALVE
	'XX' = SUPERVISED VALVE NUMBER
	SPRINKLER CONTROL CABINET
	FIRE HOSE CABINET
	FIRE HOSE CONNECTION CABINET
	FIRE EXTINGUISHER
	FIRE EXTINGUISHER CABINET

VENTILATION SYSTEMS LEGEND (1)	
	RECTANGULAR DUCT
	ROUND DUCT
	DUCTWORK TO BE ACOUSTICALLY LINED
	NORMALLY INSULATED AS DESCRIBED BY THE SPECIFICATIONS. [NOTE 1]
	FIRE PROTECTED DUCTWORK.
	END OF DUCT
	ELBOW FOR RECTANGULAR DUCT
	ELBOW FOR ROUND DUCT
	TRANSITION (RECTANGULAR TO RECTANGULAR)
	TRANSITION (ROUND TO ROUND)
	TRANSITION (RECTANGULAR TO ROUND)
	RECTANGULAR SUPPLY DUCT UP
	RECTANGULAR SUPPLY DUCT DOWN
	RECTANGULAR RETURN DUCT UP
	RECTANGULAR RETURN DUCT DOWN
	RECTANGULAR EXHAUST DUCT UP
	RECTANGULAR EXHAUST DUCT DOWN
	ROUND SUPPLY DUCT UP
	ROUND SUPPLY DUCT DOWN
	ROUND RETURN DUCT UP
	ROUND RETURN DUCT DOWN
	ROUND EXHAUST DUCT UP
	ROUND EXHAUST DUCT DOWN
	WYE (NOTE 2)
	TEE (NOTE 2)
	RADIUS BRANCH TAP (NOTE 2)
	45° ENTRY BRANCH TAP (NOTE 2)
	RECTANGULAR MAIN TO ROUND TAP, ECCENTRIC (NOTE 2)
	RECTANGULAR MAIN TO ROUND TAP, CONICAL (NOTE 2)
	RECTANGULAR MAIN TO ROUND TAP (SPIN-ON) (NOTE 2)
	ROUND 45° WYE (NOTE 2)
	ROUND CONICAL TAP (NOTE 2)
	ROUND 45° BRANCH TAP (NOTE 2)
	ROUND TAP (SPIN-ON) (NOTE 2)

EXPLANATORY NOTES:
[1] REFER TO GENERAL NOTES OR DRAWING NOTES FOR INSULATION DETAILS.
[2] BALANCING DAMPERS (BD) ARE NOT SHOWN FOR BREVITY. REFER TO SPECIFICATIONS AND/OR DETAIL DRAWINGS FOR REQUIREMENTS OF 50%.

MISCELLANEOUS LEGEND	
	EXISTING MECHANICAL EQUIPMENT OR SERVICE TO REMAIN
	EXISTING MECHANICAL EQUIPMENT OR SERVICE TO BE REMOVED
	NEW LOCATION OF RELOCATED MECHANICAL EQUIPMENT OR SERVICE
	PROTECTED SPACE RESERVED FOR SERVICING AND ACCESS WITH CLEAR HEIGHT OF 300mm
	DEMARCATION POINT
	APPROXIMATE LOCATION (±3m [10ft]) OF A SOURCE OF 120V/1PH/60Hz, 15A, POWER PROVIDED BY ELECTRICAL DIVISION. MECHANICAL DIVISION TO PROVIDE WIRING FROM THIS POINT TO CONTROLS, FIXTURES, AND EQUIPMENT THAT IS NOT DIRECTLY WIRED BY ELECTRICAL DIVISION.
	ACCESS PANEL DOOR FOR SPECIFIC PURPOSE PROVIDED IN ADDITION TO THOSE DESCRIBED IN SPECIFICATIONS
	WALL TYPE SHOWN ON LEFT
	CEILING TYPE SHOWN ON RIGHT

COMMON PIPING SYSTEM LEGEND	
	PIPING, REFER TO PIPING IDENTIFICATION SCHEDULE
	DIRECTION OF FLOW IN PIPE
	ELECTRIC HEAT TRACING SYSTEM (WHEN ASSOCIATED PIPING IS NOT FOR FIRE PROTECTION)
	HEAT TRACE CONTROL PANEL
	PIPE UP
	PIPE DOWN
	CONNECTION TO RISER
	ELBOW
	TEE
	CROSSED TEE
	TOP RUNOUT CONNECTION
	BOTTOM RUNOUT CONNECTION
	PIPE CONNECTIONS TO EQUIPMENT (SEE DETAILS FOR ACCESSORIES)
	SUPPLY AND RETURN PIPING RUNOUTS TO EQUIPMENT
	'XXXX' = LIQUID FLOW RATE (WHEN LIQUID FLOW RATE IS NOT NOTED, REFER TO SCHEDULE(S) OF THE ASSOCIATED EQUIPMENT)
	UNION
	FLANGE
	FLEXIBLE CONNECTOR
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	CAP (SCREWED OR FLANGED)
	CAP (WELDED)
	ISOLATION VALVE (TYPE SHALL BE AS PER SPECIFICATIONS)
	BALL VALVE
	BUTTERFLY VALVE
	PLUG VALVE
	GATE VALVE
	LOCKSHIELD VALVE
	GLOBE VALVE
	DOUBLE REGULATING (CIRCUIT BALANCING) VALVE FOR EQUIPMENT C/W REDUCERS
	DOUBLE REGULATING VALVE (CIRCUIT BALANCING VALVE) FOR BRANCH PIPING C/W REDUCERS
	CHECK VALVE
	MANUAL 3-WAY VALVE
	Y-STRAINER
	RUN ANCHOR
	MAIN ANCHOR
	GUIDE
	PRESSURE GAUGE
	TEMPERATURE GAUGE
	COMBINATION PRESSURE AND TEMPERATURE TEST PLUG
	DRAIN VALVE AND CAP

PLUMBING FIXTURE LABELS	
XXX## - ## = REFERENCE (SHOWN WHEN THERE ARE MULTIPLE TYPES)	
XXXX = CATEGORY LABEL	
LABEL	DESCRIPTION
FD	FLOOR DRAIN
DFD	FUNNEL FLOOR DRAIN
HD	HUB DRAIN
JS	JANITOR SINK
L	LAVATORY
S	SINK
W	WATER CLOSET

NOMINAL SIZES FOR PIPING AND TUBING	
NOMINAL PIPE SIZE (NPS)	DIAMETRE NOMINAL (DN)
1/2	15
5/8	--
3/4	20
1	25
1 1/4	32
1 1/2	40
2	50
2 1/2	65
3	80
4	100
6	150
8	200
10	250
12	300
14	350
16	400
18	450
20	500
24	600

- THE PIPE SIZES SHOWN ARE NOMINAL SIZES.
- MATERIAL OF PIPING/TUBING TO BE AS SHOWN AND AS SPECIFIED.
- REFER TO SPECIFICATIONS FOR ASSOCIATED PIPING/TUBING STANDARDS THAT DEFINE THE DIMENSIONS.

PIPING IDENTIFICATION	
	PIPE TYPE AS DESCRIBED BY ABBREVIATION BELOW
	IF SHOWN, 'W' = NPS SIZE OF THE PIPE
	IF SHOWN AND PRECEDED BY 'D', 'D' = DN SIZE OF THE PIPE
LINE/TYPE	PIPE TYPE
---	DOMESTIC COLD WATER
---	DOMESTIC HOT WATER
---	DOMESTIC HOT WATER RECIRCULATION
---	DRAIN LINE (NON-BURIED) (SEE TEXT ABBREVIATION)
---	DRAIN LINE (BURIED OR ON FLOOR BELOW) (SEE TEXT ABBREVIATION)
---	PLUMBING VENT
---	VENT (SEE TEXT ABBREVIATION)
---	SUPPLY LINE (SEE TEXT ABBREVIATION)
---	RETURN LINE (SEE TEXT ABBREVIATION)
ABBREVIATION	PIPE TYPE
PLUMBING AND DRAINAGE	
SAN	SANITARY
ST	STORM
FIRE PROTECTION	
F	FIRE PROTECTION SUPPLY
FSP	FIRE STANDPIPE
SP	FIRE SPRINKLER
PA	PRE-ACTION SPRINKLER
HEATING/COOLING	
DR-CW	CLEAR-WATER WASTE DRAIN
HS	HEATING WATER SUPPLY
HR	HEATING WATER RETURN
HTS	HIGH TEMPERATURE HEATING WATER SUPPLY
HTR	HIGH TEMPERATURE HEATING WATER RETURN
MEDICAL PLUMBING, DRAINAGE, AND GASES	
MA	MEDICAL AIR
MV	MEDICAL VACUUM
OX	OXYGEN
N ₂ O	NITROUS OXIDE
N	NITROGEN

GENERAL NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO ALL M-SERIES DRAWINGS.)

- THIS LEGEND APPLIES TO THE WORK UNDER DIVISIONS 20 TO 25.
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS SECTIONS OF DIVISION 20 TO 25 AND THE APPLICABLE SECTIONS OF DIVISION 01.
- ITEMS SHOWN *SCREENED* ARE EXISTING TO REMAIN.
- NOT ALL SYMBOLS IN THE LEGENDS ARE PRESENT ON THE DRAWINGS.
- ITEMS SHOWN ARE DIAGRAMMATIC AND ILLUSTRATE THE GENERAL LOCATION OF EQUIPMENT AND GENERAL ROUTING OF PIPING AND DUCTWORK. CONTRACTOR SHALL VERIFY ALL ITEMS ON SITE PRIOR TO COMMENCING WORK.
- UNLESS OTHERWISE NOTED, PIPE SIZES ARE SHOWN IN NOMINAL PIPE SIZE (NPS).
- UNLESS OTHERWISE NOTED, DUCT SIZES ARE SHOWN IN INCHES (in).
- UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN INCHES (in).
- UNLESS OTHERWISE NOTED, ALL AIR FLOW RATES ARE LISTED IN CUBIC FEET PER MINUTE (CFM).
- THE EXISTING ITEMS SHOWN HAVE BEEN TAKEN FROM BEST AVAILABLE SOURCE AND DOES NOT NECESSARILY CAPTURE ALL AS-BUILT CONDITIONS. CONTRACTOR TO VERIFY & CONFIRM MECHANICAL LAYOUT AND EQUIPMENT PRIOR TO CARRYING OUT ANY PORTION OF MECHANICAL WORK. WORK TO BE COORDINATED WITH ARCHITECTURAL DRAWINGS.

PIPING SYSTEMS:

- FOR WORK IN EXISTING BUILDINGS, CONTRACTOR SHALL ALLOW FOR DRAINING OF THE SYSTEMS AS REQUIRED TO COMPLETE WORK.
- FOR WORK IN EXISTING BUILDINGS, ASSUME EXISTING SHUT-OFF VALVES ARE HOLDING.
- CAP ALL PIPE ENDS DURING DEMOLITION.
- ALL SANITARY PIPING SHOWN TO HAVE A MINIMUM 1% SLOPE UNLESS OTHERWISE INDICATED.
- CO-ORDINATE LOCATION OF DEVICES LOCATED IN CEILING REQUIRING ACCESS (VALVES, REGULATORS, ETC.) WITH CEILING ACCESS PANELS.
- FOR WORK IN EXISTING BUILDINGS, SIZE AND EXACT LOCATION OF EXISTING RISERS TO BE CONFIRMED ON SITE.

VENTILATION SYSTEMS:

- FOR WORK IN EXISTING BUILDINGS, ALL DUCT COLLARS MADE REDUNDANT BY THE PROJECT SHALL BE CAPED OFF.
- FOR WORK IN EXISTING BUILDINGS, DURING CONSTRUCTION, COVER OPEN ENDS OR REGISTERS/GRILLES OF ACTIVE RETURN AND EXHAUST AIR DUCTS WITH FILTER MEDIA SECURED BY METAL BAND PULLED TIGHT AROUND DUCT BY MEANS OF SCREWS. MAINTAIN THIS MEDIA UNTIL WORK IN AREA IS COMPLETED.
- LENGTH OF FLEX DUCT SHALL NOT EXCEED 1800mm (6'-0"). USE RIGID ROUND DUCT IF THE DISTANCE BETWEEN THE AIR TERMINAL AND THE SPIN-ON CONNECTION BRANCH TAP REQUIRES LONGER LENGTHS.
- ALL SUPPLY AIR DUCTWORK INCLUDING FLEX DUCTS SHALL BE INSULATED.
- SERVICES ABOVE RETURN GRILLES TO BE PAINTED FLAT BLACK.

DEMOLITION

- DEMOLISH SYSTEMS AND EQUIPMENT WHERE SHOWN ON DRAWINGS OR SPECIFICATIONS. OTHERWISE, EXISTING SYSTEMS AND EQUIPMENT ARE TO REMAIN, EVEN IF NOT SHOWN ON THE DRAWINGS.

DRAWING LIST	
M-1	MECHANICAL GENERAL NOTES AND LEGEND
M-2	M WING - LEVEL 2 PART FLOOR PLAN - HVAC DEMOLITION & NEW WORK
M-3	M WING - LEVEL 2 PART FLOOR PLAN - FIRE PROTECTION DEMOLITION & NEW WORK
M-4	M WING - LEVEL 2 PART FLOOR PLAN - PLUMBING & MEDICAL GAS DEMOLITION & NEW WORK

ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
CW	COMPLETE WITH
CTE	CONNECT TO EXISTING
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRCULATION
DN	DOWN
EA	EXHAUST OR RELIEF AIR
OA	OUTDOOR AIR
OED	OPEN ENDED DUCT
RA	RETURN AIR
RWL	RAIN WATER LEADER
SA	SUPPLY AIR
(TYP.)	TYPICAL OF MULTIPLE INSTANCES
(TYP. #)	TYPICAL FOR QUANTITY #
(TYP. XXX)	TYPICAL FOR 'XXX', WHERE 'XXX' PROVIDES DESCRIPTION
VTR	PLUMBING VENT THROUGH ROOF

EQUIPMENT LABELS	
XXX## - ## = ITEM NUMBER	
XXXX = CATEGORY LABEL	
LABEL	DESCRIPTION
ATU	AIR TERMINAL UNIT
EF	EXHAUST FAN
FC	FAN COIL
ME	MISCELLANEOUS EQUIPMENT
RF	RETURN FAN
RHC	REHEAT COIL
SF	SUPPLY FAN
V	VALVE

DATE	ISSUED FOR	REV
2025-02-14	ISSUED FOR FINAL CD REVIEW	A
2025-03-04	ISSUED FOR TENDER/PERMIT	B

HHAngus
HH Angus and Associates Limited
Consulting Engineers
1174 Eglinton Avenue East, Suite 800, Toronto,
ON M4C 2S4 | hhangus.com | 416 443 8200

This drawing has been prepared solely for the use of Sunnybrook Health Science Centre and there are no representations of any kind

DRAWING NOTES

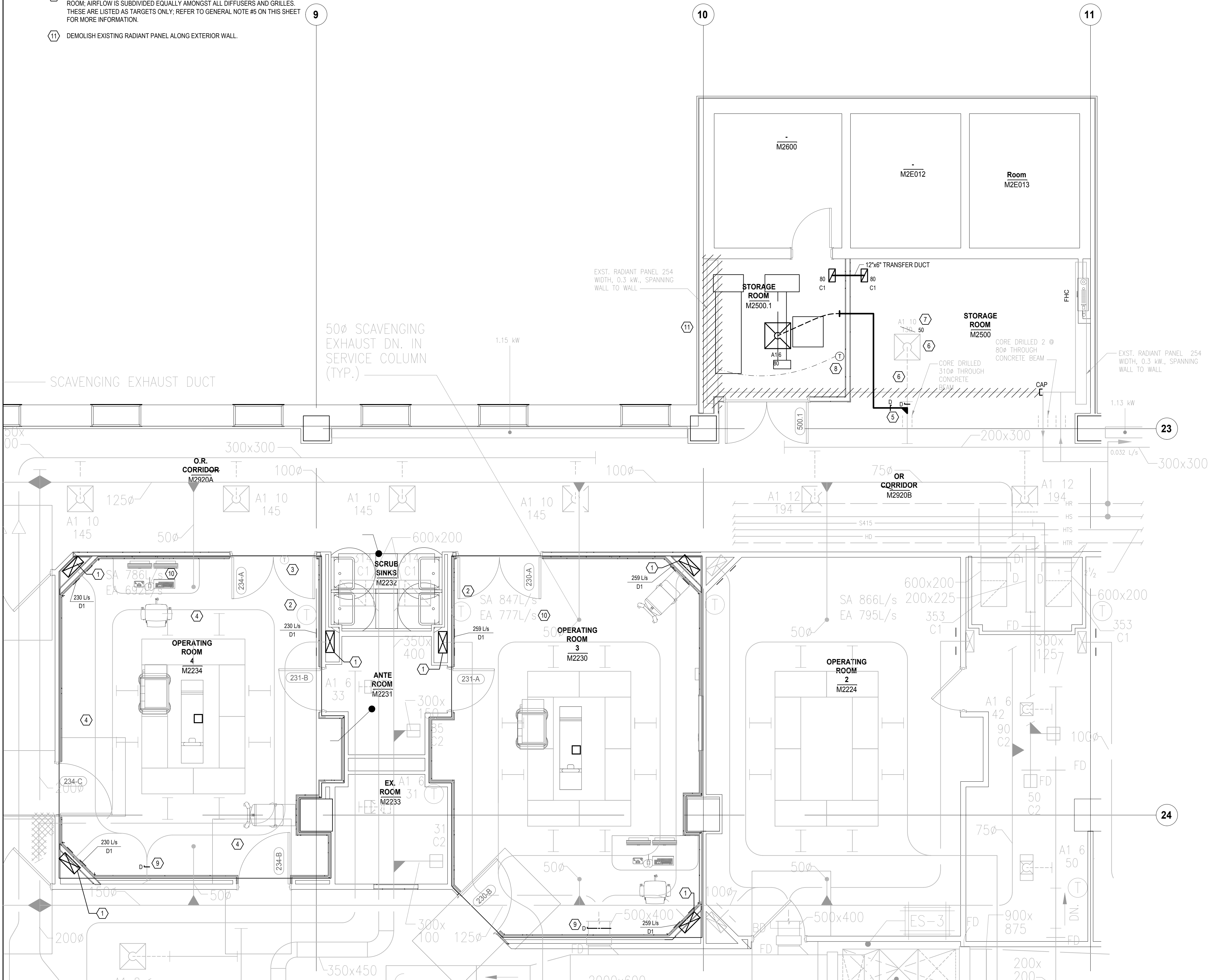
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

1. REMOVE EXISTING AND INSTALL NEW LOW LEVEL EXHAUST DUCT AND ASSOCIATED EXHAUST GRILLE. CAP DUCTWORK TEMPORARILY IN CEILING UNTIL NEW DUCTWORK CAN BE INSTALLED. REBALANCE TO EXISTING AIRFLOW. ROOM MUST BE POSITIVELY PRESSURIZED IN ACCORDANCE WITH CSA Z317.2-2024. REFER TO GENERAL NOTE #5 ON THIS SHEET FOR MORE INFORMATION.
2. REMOVE EXISTING THERMOSTAT TO PERMIT ARCHITECTURAL WORK.
3. CONTRACTOR TO INVESTIGATE IF EXISTING THERMOSTAT IS IN USE. IF IN USE, CONTRACTOR TO REMOVE AND REINSTALL EXISTING THERMOSTAT. IF ABANDONED IN PLACE, CONTRACTOR TO REMOVE EXISTING THERMOSTAT.
4. CLEAN ALL EXISTING SUPPLY AND EXHAUST DUCTWORK BACK TO EDGE OF ROOM.
5. CONNECT TO EXISTING DUCT DOWNSTREAM OF CONCRETE BEAM, UPSTREAM OF FLEXIBLE DUCT TO EXISTING DIFFUSER. ADD NEW BALANCING DAMPER TO NEW DUCT AND TO EXISTING DUCT.
6. ALLOW FOR NEW RIGID DUCT, FLEXIBLE DUCT, AND DIFFUSER TO REPLACE EXISTING IF REQUIRED TO MAKE NEW CONNECTIONS AND INSTALL NEW DAMPER.
7. REBALANCE EXISTING DIFFUSER TO THE AIRFLOW NOTED.
8. DEMOLISH EXISTING (NOT SHOWN) AND PROVIDE NEW THERMOSTAT TO SERVE EXISTING RADIANT PANEL AT EXTERIOR WALL.
9. INSTALL NEW BALANCING DAMPER AFTER HOURS (COORDINATE WITH HOSPITAL) IN CASE EXISTING IS NOT PRESENT. DAMPERS ARE TO BE USED TO ISOLATE OR #3 AND OR #4 DURING CONSTRUCTION. DAMPERS MAY BE LEFT IN PLACE AFTER CONSTRUCTION PROVIDED THEY DO NOT IMPACT DUCT AIRFLOW. ALLOW FOR REMOVAL OF DAMPERS IF REQUIRED TO ACHIEVE AIRFLOW DURING BALANCING.
10. SUPPLY AND EXHAUST AIRFLOWS ARE THE TOTAL AIRFLOW SUMMED FOR THE ROOM. AIRFLOW IS SUBDIVIDED EQUALLY AMONGST ALL DIFFUSERS AND GRILLES. THESE ARE LISTED AS TARGETS ONLY; REFER TO GENERAL NOTE #5 ON THIS SHEET FOR MORE INFORMATION.
11. DEMOLISH EXISTING RADIANT PANEL ALONG EXTERIOR WALL.

GENERAL NOTES

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

1. SCOPE, IN GENERAL, REQUIRES REMOVING ALL MECHANICAL SERVICES IN ALL OR-3 AND OR-4 WALLS, TO PERMIT LEAD INSTALLATION UP TO FINISHED CEILING. THIS INCLUDES REMOVING MECHANICAL SERVICES UP TO AND SLIGHTLY ABOVE THE FINISHED CEILING LEVEL AND CAPPING/MAKING SAFE TEMPORARILY. AFTER THE LEAD IS INSTALLED IN THE WALL, THE EXISTING SERVICES ARE TO BE REINSTALLED.
2. EXISTING SERVICES IN THE CEILING SPACE ARE TO REMAIN UNLESS OTHERWISE INDICATED.
3. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING EXISTING DRYWALL CEILING TO COMPLETE THE MECHANICAL SCOPE OF WORK.
4. WHERE DRAWING NOTES INDICATED "REMOVE AND REINSTALL EXISTING," CONTRACTORS SHALL CAREFULLY REMOVE EXISTING ITEM, STORE, AND REINSTALL. THIS INCLUDES TEMPORARILY CUTTING, CAPPING, AND THEN RECONNECTING TO EXISTING CONNECTED SERVICES. CONTRACTOR SHALL NOT DAMAGE EXISTING ITEMS. THIS WORK IS TO BE COMPLETED TO PERMIT ARCHITECTURAL SCOPE OF WORK AS SHOWN ON THE ARCHITECTURAL DRAWINGS.
5. COMPLETE PRECONSTRUCTION AIR AUDIT OF OR#3 AND OR#4 IN ACCORDANCE WITH MECHANICAL SPECIFICATIONS. AFTER ALL WORK (INCLUDING DUCT CLEANING) IS COMPLETED, REBALANCE AIRFLOW FROM ALL GRILLES AND DIFFUSERS IN OR#3 AND OR#4 TO MATCH PRECONSTRUCTION AIR AUDIT. OR #3 AND OR #4 AIRFLOWS MUST COMPLY WITH CSA Z317.2-2024 REQUIREMENTS FOR 20 AIR CHANGES PER HOUR AND POSITIVE PRESSURIZATION.



NO.	APPLICATION	REVISIONS/DESCRIPTION		DATE		REMARKS
		DATE	BY	DATE	BY	
01	REVISIONS/DESCRIPTION	DATE	BY	DATE	BY	REMARKS

1 M WING - LEVEL 2 PART PLAN - HVAC DEMOLITION & NEW WORK
M-2 1:50

DATE	ISSUED FOR	REV
2025-02-14	ISSUED FOR FINAL CD REVIEW	A
2025-03-04	ISSUED FOR TENDER/PERMIT	B



HH Angus and Associates Limited
Consulting Engineers
1176 Eglinton Avenue East, Suite 800, Toronto,
ON M3C 2S1 | hhangus.com | 416-443-8200

This drawing has been prepared solely for the use of Sunnybrook Health Science Centre and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract.

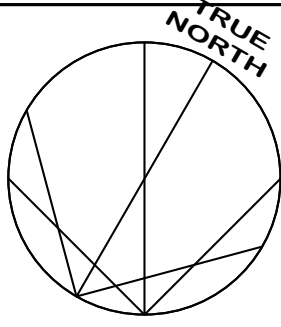
This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer

Project Component

Key Plan

Consultants

Survey: Civil:
Architecture: NORR
Structural: HHA
Mechanical: HHA
Electrical: HHA
Interiors: HHA
Landscape:



Seal(s)



NORR

NORR OFFICE ADDRESS
norr.com

Project Manager

G. LECMAN

Project Leader

M.LIGHT

Client

Sunnybrook Health Science Centre

2075 Bayview Ave, North York, ON M4N 3M5

Project

M2 OR3 and OR4 Lead Lining Project

2075 Bayview Ave, North York, ON M4N 3M5

Drawing Title

**M WING LEVEL 2
PART PLAN
DEMOLITION & NEW WORK
HVAC**

Scale

As indicated

Project No.

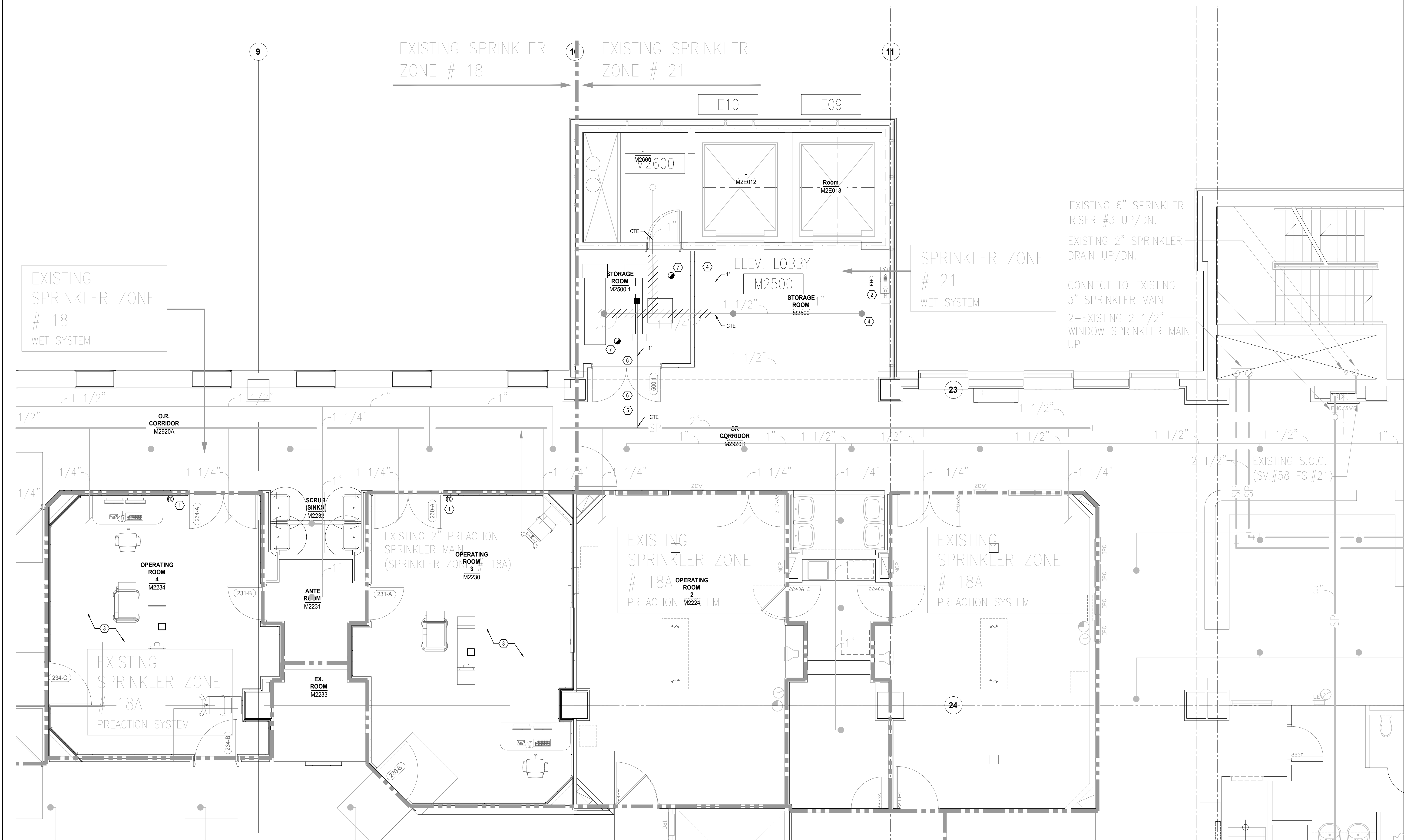
HS1024-0008 (2240805)

Drawing No.

M-2

- DRAWING NOTES**
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)
- 1 REMOVE AND REINSTALL EXISTING SURFACE MOUNTED FIRE EXTINGUISHER COMPLETE WITH WALL BRACKET.
 - 2 EXISTING FIRE HOSE CABINET TO REMAIN.
 - 3 EXISTING SPRINKLER HEADS AND PIPING TO REMAIN.
 - 4 REWORK EXISTING WET SPRINKLER PIPING TO ROOM M2600. INSTALL NEW PIPING AWAY FROM NEW EQUIPMENT STORED BELOW.
 - 5 PROVIDE NEW PREACTION SPRINKLER PIPING FED FROM EXISTING PREACTION SYSTEM. PROVIDE NEW DRY CONCEALED HEAD.
 - 6 ALLOW FOR CORING THROUGH EXISTING CONCRETE BEAM IF REQUIRED. CONTRACTOR SHALL ENGAGE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CORING.
 - 7 NEW HEAT DETECTORS WIRED BACK TO EXISTING PREACTION CABINET.

- GENERAL NOTES**
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)
1. REFER TO GENERAL NOTES IN DETAIL 1/M-2.



1 M WING - LEVEL 2 PART PLAN - FIRE PROTECTION DEMOLITION & NEW WORK
M-3 1:50

DATE	ISSUED FOR	REV
2025-02-14	ISSUED FOR FINAL CD REVIEW	A
2025-03-04	ISSUED FOR TENDER/PERMIT	B



HHA Angus and Associates Limited
Consulting Engineers
1176 Eglinton Avenue East, Suite 800, Toronto,
ON M3C 3S1 | hhaangus.com | 416-443-8200

This drawing has been prepared solely for the use of
Sunnybrook Health Science Centre and there are no
representations of any kind made by NORR to any party with
whom NORR has not entered into a contract.

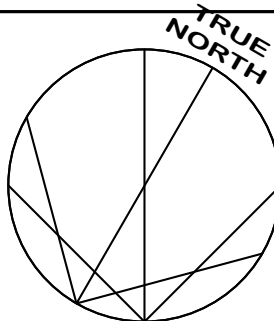
This drawing shall not be used for construction purposes until
the seal appearing hereon is signed and dated by the
Architect or Engineer

Project Component

Key Plan

Consultants

Survey: NORR
Civil: NORR
Architecture: NORR
Structural: HHA
Mechanical: HHA
Electrical: HHA
Interiors: HHA
Landscape: HHA



Seal(s)



NORR

NORR OFFICE ADDRESS
norr.com

Project Manager G. LECMAN	Drawn S. NIKA
Project Leader M. LIGHT	Checked M. LIGHT

Client
**Sunnybrook Health Science
Centre**

2075 Bayview Ave, North York, ON M4N 3M5

Project
**M2 OR3 and OR4 Lead
Lining Project**

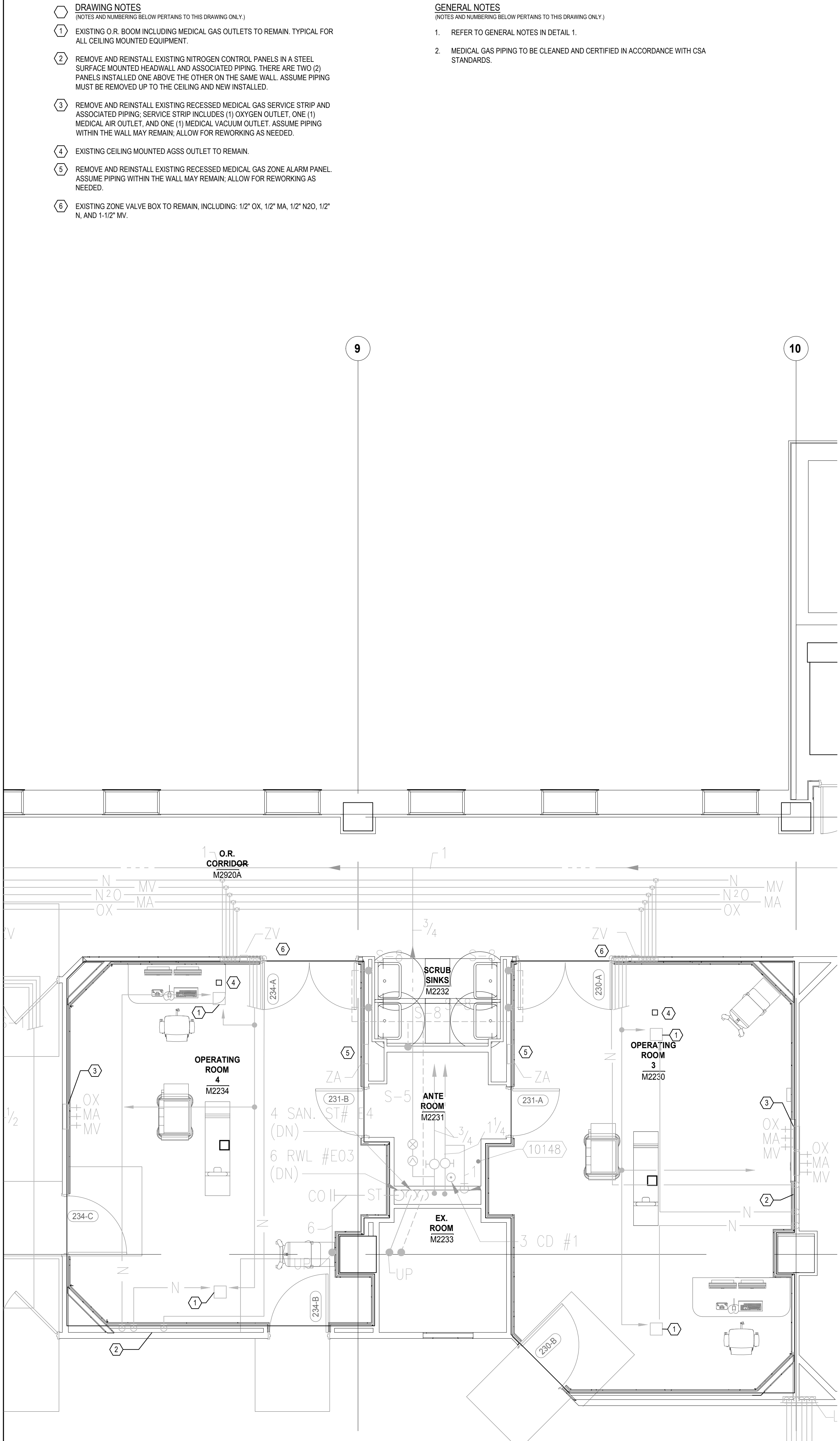
2075 Bayview Ave, North York, ON M4N 3M5

Drawing Title
**M WING LEVEL 2
PART PLAN
DEMOLITION & NEW WORK
FIRE PROTECTION**

Scale
As indicated

Project No.
HS1024-0008 (2240805)

Drawing No.
M-3



- DRAWING NOTES**
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)
- EXISTING O.R. BOOM INCLUDING MEDICAL GAS OUTLETS TO REMAIN. TYPICAL FOR ALL CEILING MOUNTED EQUIPMENT.
 - REMOVE AND REINSTALL EXISTING NITROGEN CONTROL PANELS IN A STEEL SURFACE MOUNTED HEADWALL AND ASSOCIATED PIPING. THERE ARE TWO (2) PANELS INSTALLED ONE ABOVE THE OTHER ON THE SAME WALL. ASSUME PIPING MUST BE REMOVED UP TO THE CEILING AND NEW INSTALLED.
 - REMOVE AND REINSTALL EXISTING RECESSED MEDICAL GAS SERVICE STRIP AND ASSOCIATED PIPING. SERVICE STRIP INCLUDES (1) OXYGEN OUTLET, ONE (1) MEDICAL AIR OUTLET, AND ONE (1) MEDICAL VACUUM OUTLET. ASSUME PIPING WITHIN THE WALL MAY REMAIN. ALLOW FOR REWORKING AS NEEDED.
 - EXISTING CEILING MOUNTED AGSS OUTLET TO REMAIN.
 - REMOVE AND REINSTALL EXISTING RECESSED MEDICAL GAS ZONE ALARM PANEL. ASSUME PIPING WITHIN THE WALL MAY REMAIN. ALLOW FOR REWORKING AS NEEDED.
 - EXISTING ZONE VALVE BOX TO REMAIN, INCLUDING: 1/2" OX, 1/2" MA, 1/2" N2O, 1/2" N, AND 1-1/2" MV.

- GENERAL NOTES**
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)
- REFER TO GENERAL NOTES IN DETAIL 1.
 - MEDICAL GAS PIPING TO BE CLEANED AND CERTIFIED IN ACCORDANCE WITH CSA STANDARDS.

1 M WING - LEVEL 2 PART PLAN - PLUMBING & MEDICAL GAS DEMOLITION & NEW WOEK
M-2 1:50

DATE	ISSUED FOR	REV
2025-02-14	ISSUED FOR FINAL CD REVIEW	A
2025-03-04	ISSUED FOR TENDER/PERMIT	B



HH Angus and Associates Limited
Consulting Engineers
1176 Eglinton Avenue East, Suite 800, Toronto,
ON M3C 0S1 | hhangus.com | 416-443-8200

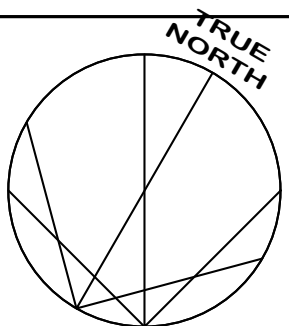
This drawing has been prepared solely for the use of Sunnybrook Health Science Centre and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract.

This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer

Project Component

Key Plan

Consultants
Survey:
Civil:
Architecture: NORR
Structural:
Mechanical: HHA
Electrical: HHA
Interiors:
Landscape:



Seal(s)



NORR

NORR OFFICE ADDRESS
norr.com

Project Manager G. LECMAN	Drawn S. NIKA
Project Leader M.LIGHT	Checked M.LIGHT

Client
Sunnybrook Health Science Centre

2075 Bayview Ave, North York, ON M4N 3M5

Project
M2 OR3 and OR4 Lead Lining Project

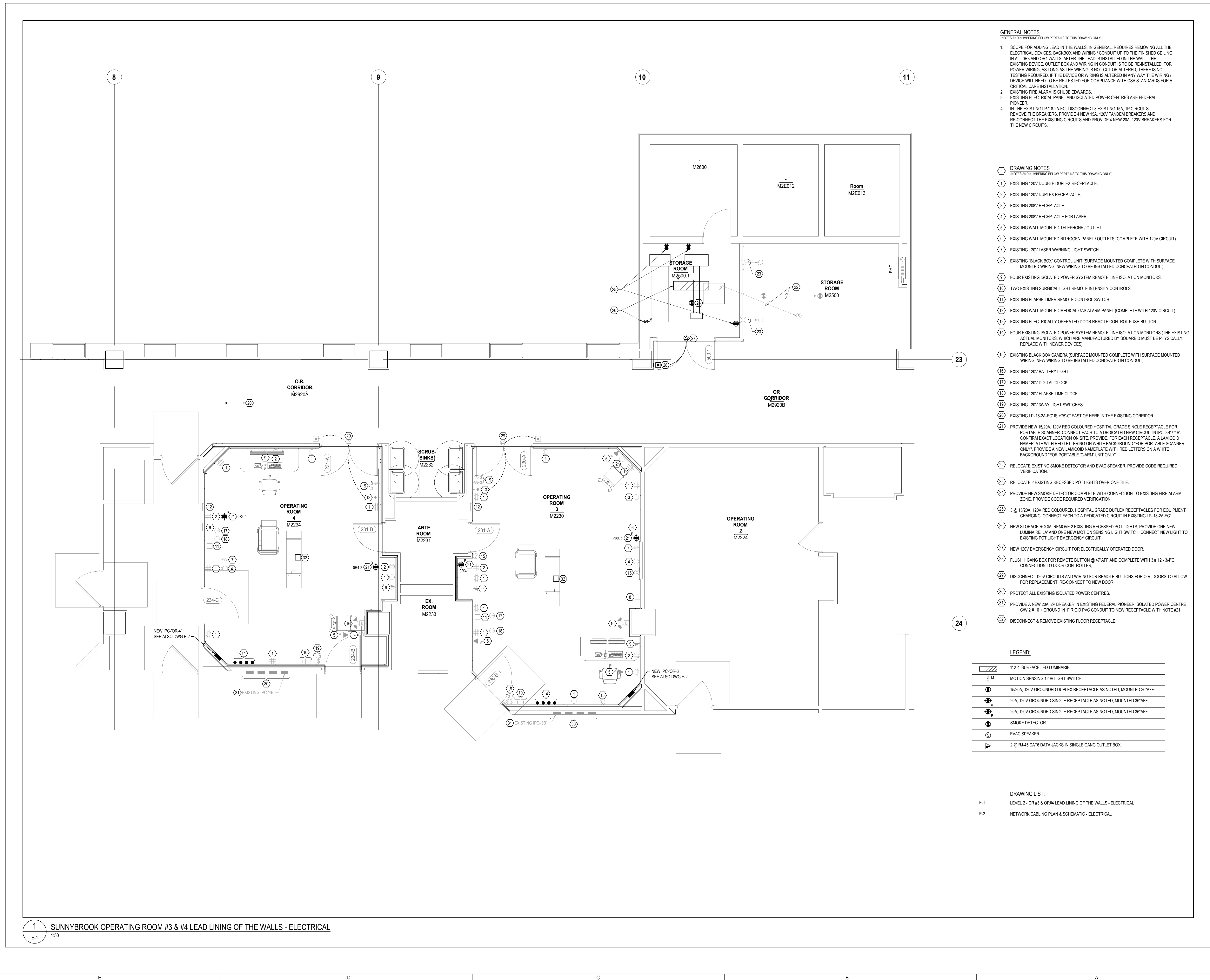
2075 Bayview Ave, North York, ON M4N 3M5

Drawing Title
**M WING LEVEL 2
PART PLAN
DEMOLITION & NEW WORK
PLUMBING & MEDICAL GAS**

Scale
As indicated

Project No.
HS1024-0008 (2240805)

Drawing No.
M-4



DATE	ISSUED FOR	REV
2025-02-14	ISSUED FOR FINAL CD REVIEW	A
2025-03-04	ISSUED FOR TENDER/PERMIT	B



HH Angus and Associates Limited
Consulting Engineers
1174 Eglinton Avenue East, Suite 800, Toronto,
ON M3C 0S1 | hhangus.com | 416-443-8200

This drawing has been prepared solely for the use of Sunnybrook Health Science Centre and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract.

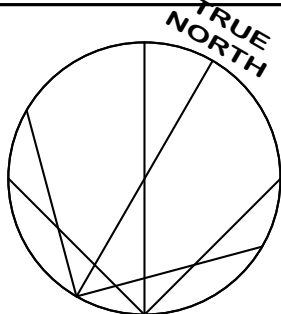
This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer

Project Component

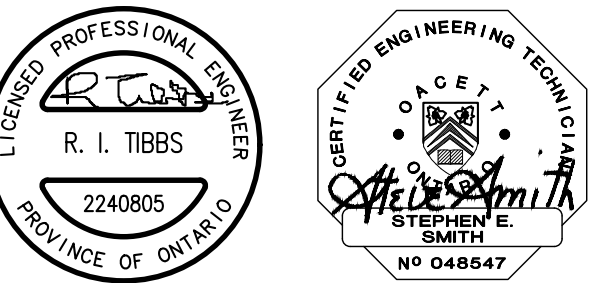
3 Key Plan

Consultants

Survey:
Civil:
Architecture: NORR
Structural:
Mechanical: HHA
Electrical: HHA
Interiors:
Landscape:



Seal(s)



2

NORR

NORR OFFICE ADDRESS

norr.com

Project Manager

G. LECMAN

Drawn

W. ALAWEEL

Project Leader

S. SMITH

Checked

S. SMITH

Client

Sunnybrook Health Science Centre

2075 Bayview Ave, North York, ON M4N 3M5

Project

M2 OR3 and OR4 Lead Lining Project

2075 Bayview Ave, North York, ON M4N 3M5

Drawing Title

LEVEL 2 - OR #3 & OR #4 LEAD LINING OF THE WALLS - ELECTRICAL

1

Scale

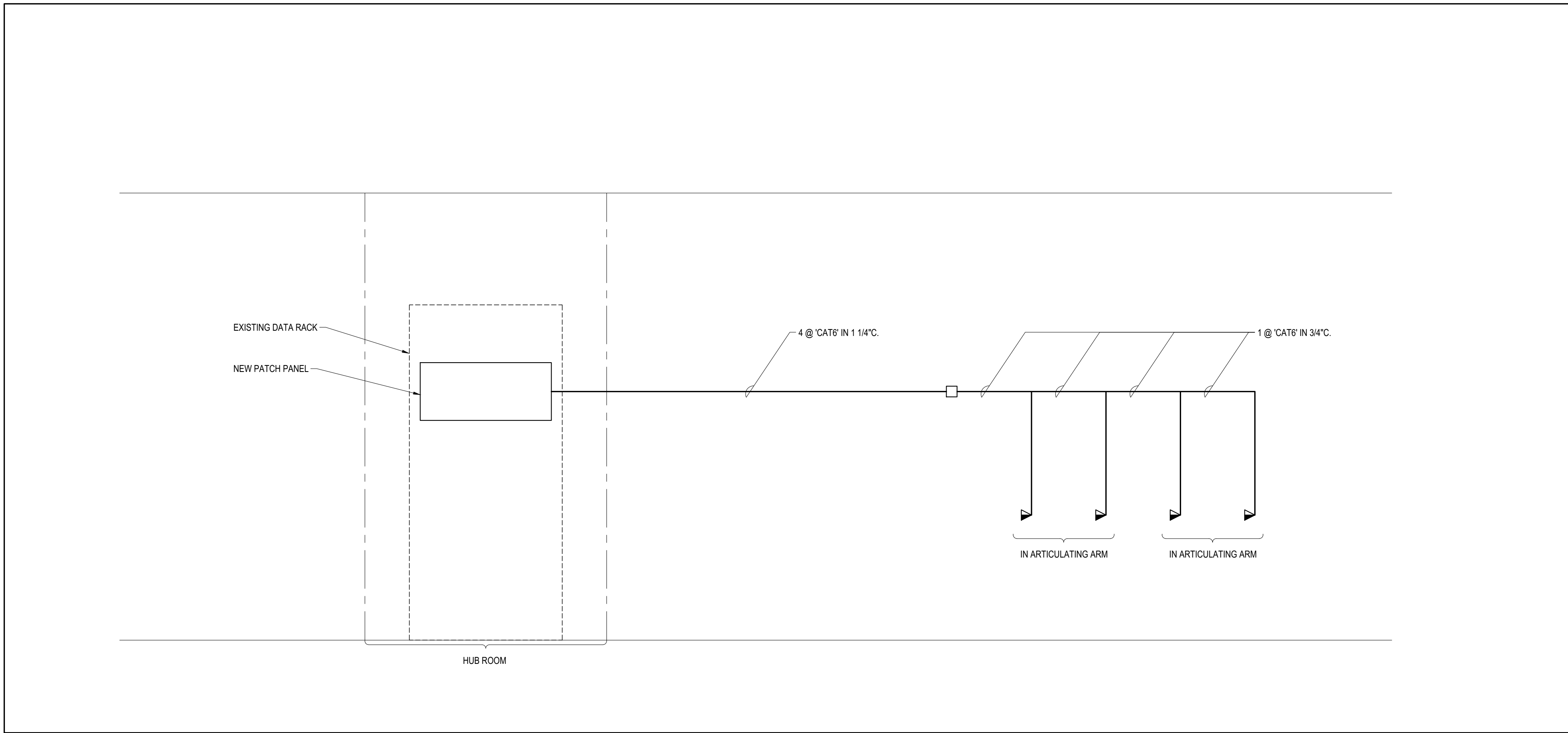
As indicated

Project No.

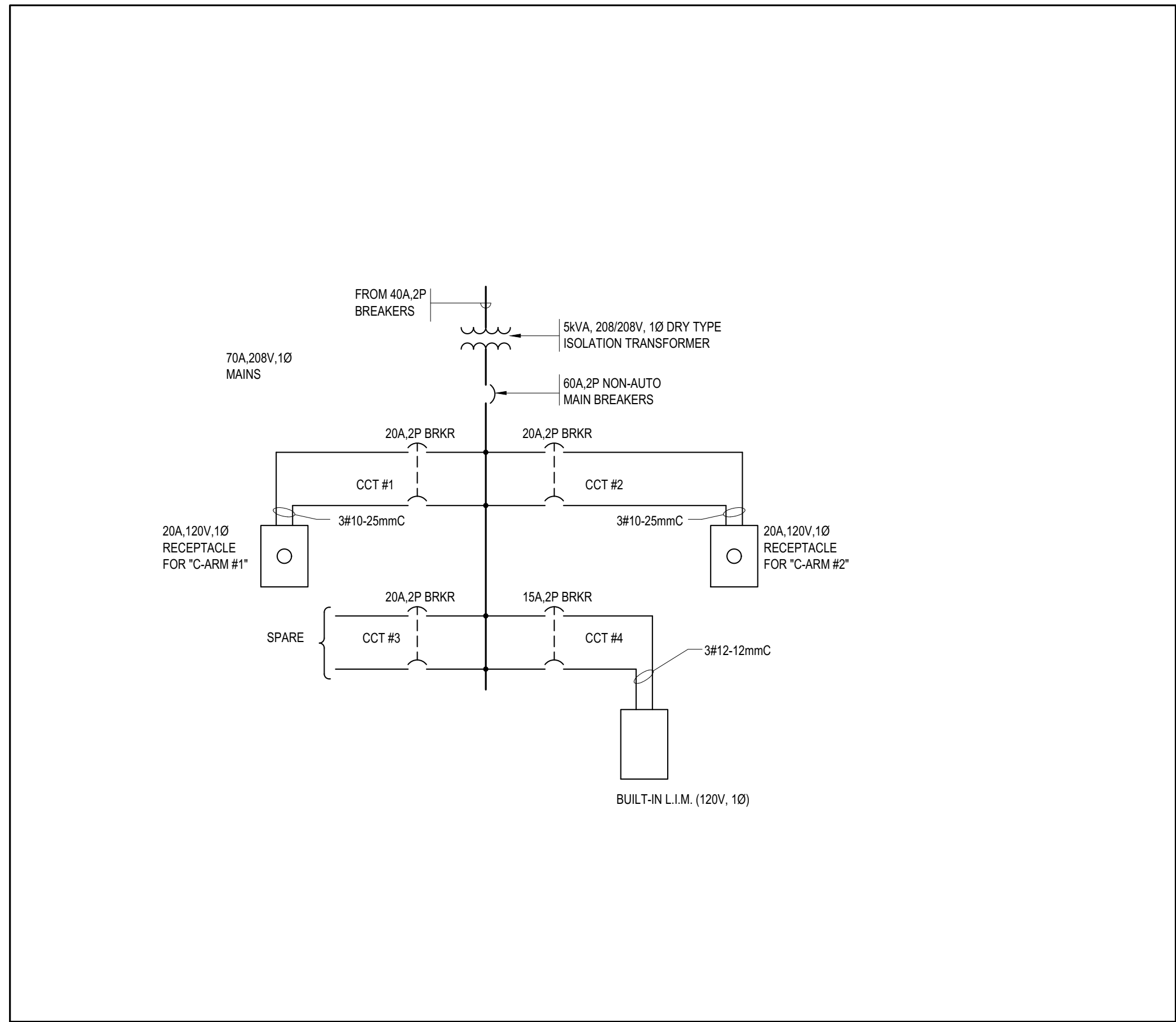
HS1024-0008 (2240805)

Drawing No.

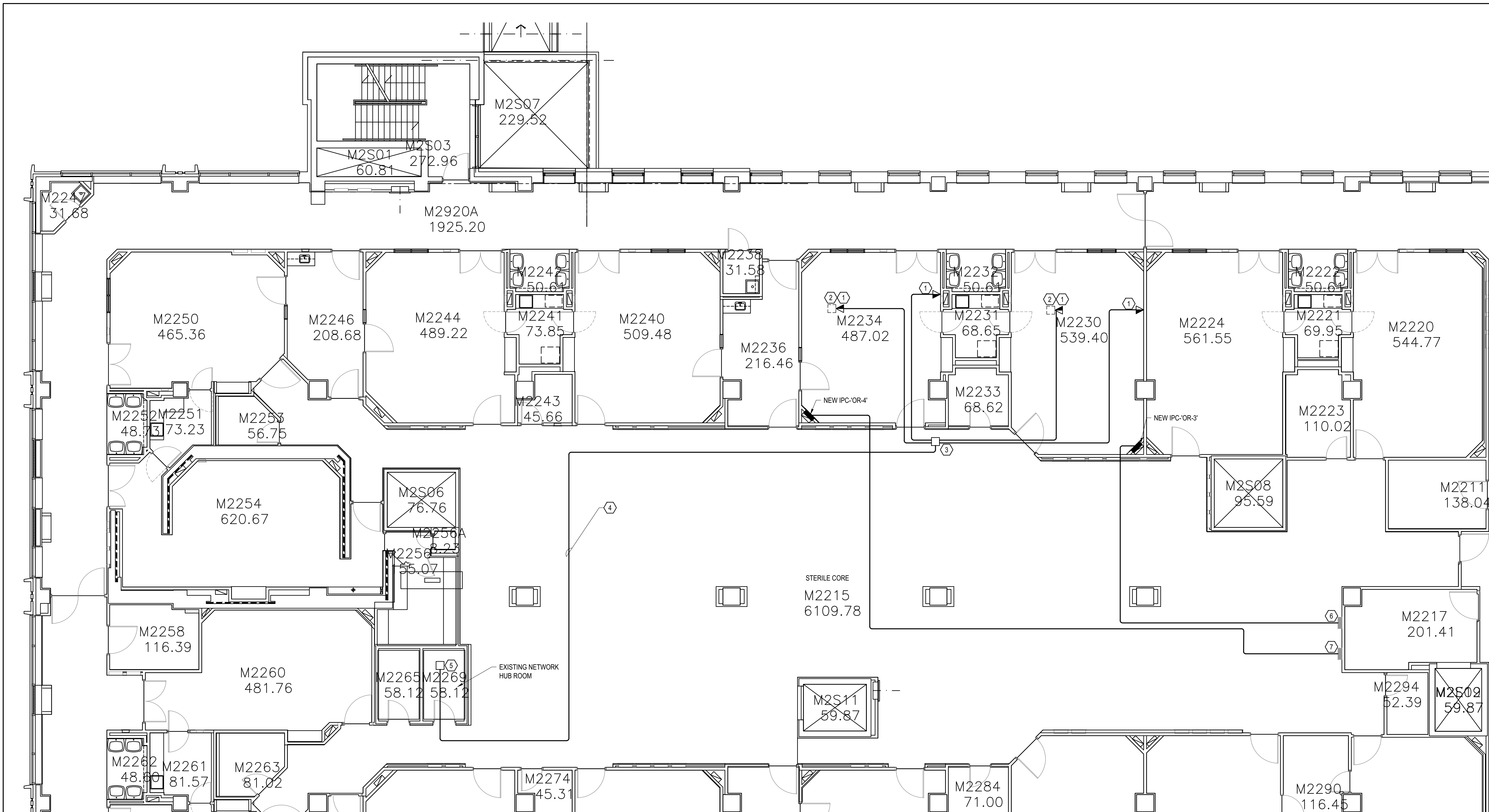
E-1



2 DATA SCHEMATIC
E-2 N.T.S.



3 CIRCUIT SCHEMATIC FOR IPC 'OR3' & 'OR4' (208V-120V, 1Ø, 5KVA)
E-2 N.T.S.



1 PART 2ND FLOOR PLAN
E-2 1:100

- DRAWING NOTES**
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)
- 4 @ DUPLEX DATA JACKS (2 PER OR).
 - INSTALLED IN EXISTING ARTICULATING ARM
 - MINIMUM 12"x12"x4"D LABELLED JUNCTION BOX IN ACCESSIBLE CEILING SPACE.
 - EXACT ROUTE THRU STERILE CORE TO BE DETERMINED ON SITE.
 - TERMINATE NEW CABLEING ON NEW PATCH PANEL IN EXISTING DATA RACK.
 - EXISTING CEP-18-20D: PROVIDE NEW 40A, 2P BREAKER COMPLETE WITH 3 # 8-GRD-1"C. FEED TO NEW IPC-OR-3.
 - EXISTING CEP-18-2EE: PROVIDE NEW 40A, 2P BREAKER COMPLETE WITH 3 # 8-GRD-1"C. FEED TO NEW IPC-OR-4.

DATE	ISSUED FOR	REV
2025-02-14	ISSUED FOR FINAL CD REVIEW	A
2025-03-04	ISSUED FOR TENDER/PERMIT	B



HH Angus and Associates Limited
Consulting Engineers
1176 Eglinton Avenue East, Suite 800, Toronto,
ON M3C 3S1 | hhangus.com | 416-463-8200

This drawing has been prepared solely for the use of Sunnybrook Health Science Centre and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract.

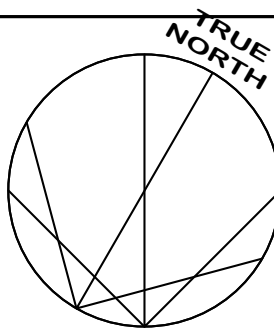
This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer

Project Component

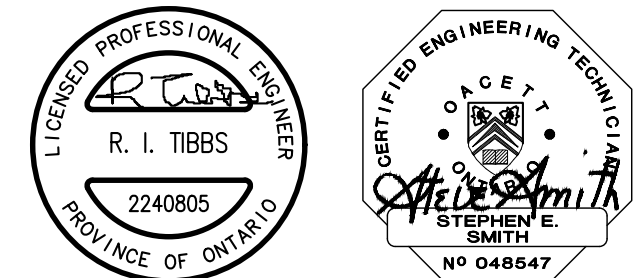
Key Plan

Consultants

Survey: NORR
Civil: NORR
Architecture: NORR
Structural: HHA
Mechanical: HHA
Electrical: HHA
Interiors: HHA
Landscape: HHA



Seal(s)



NORR

NORR OFFICE ADDRESS
norr.com

Project Manager G. LECMAN	Drawn W. ALAWHEEL
Project Leader S. SMITH	Checked S. SMITH

Client
Sunnybrook Health Science Centre

2075 Bayview Ave, North York, ON M4N 3M5

Project
M2 OR3 and OR4 Lead Lining Project

2075 Bayview Ave, North York, ON M4N 3M5

Drawing Title
NETWORK CABLING PLAN & SCHEMATIC - ELECTRICAL

Scale
As indicated

Project No.
HS1024-0008 (2240805)

Drawing No.
E-2