



GPY+
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Mechanical Addendum M-1

Date: August 30, 2023

To: Hanson & Jung Architects Inc.
477 Richmond Street West, Suite 301,
Toronto, Ontario, M5V 3E7

Attention: **Mr. Wilson Jung**

Project: **Centre For Addiction and Mental Health
Move Consolidation – Interior Renovations**
250 College Street,
Toronto, Ontario,
M5T 1R8

Subject: Mechanical changes and/or additions

The Contractor is hereby instructed with the following changes/clarifications to the contract documents as described below. All materials and workmanship are to be as described in the contract documents unless stated otherwise.

Title: Mechanical changes.

References: Mechanical Drawings

Description of Work:

1. **Drawing M-100, Mechanical Legend, and Drawing List (Issued)**
 1. Mechanical drawing has been updated to reflect the revised drawing list.
2. **Drawing M-103, Mechanical Details and Equipment Schedules (Issued)**
 1. Mechanical drawing has been updated to reflect the EF-3 Service Area, and updated note for Detail 5/M-103.
3. **Drawing M-105, Mechanical Details and Equipment Schedule (Issued)**
 1. Mechanical drawing M-105 has been added to the mechanical set to reflect the condensing unit support detail, new supply and return air grille schedule, and new condensate pump schedule required for CAMH provided portable AC units.
4. **Drawing M-200, Mechanical Plan – Ground Floor North Plan (Issued)**
 1. General Revisions have been made to the mechanical drawing. Refer to drawing notes.
5. **Drawing M-201, Mechanical Plan – Ground Floor South Plan (Issued)**
 1. General Revisions have been made to the mechanical drawing. Refer to drawing notes.
6. **Drawing M-202, Mechanical Demolition Plan – 8th & 11th Floor (Issued)**
 1. General Revisions have been made to the mechanical drawing. 11th floor demolition plan has been added. Refer to Drawing Notes.
7. **Drawing M-203, Mechanical Demolition Plan – 9th & 10th Floor (Issued)**
 1. General Revisions have been made to the mechanical drawing. Refer to Drawing Notes.



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8. Drawing M-300, Mechanical New Plan – 8th & 9th Floor (Issued)

1. General Revisions have been made to the mechanical drainwg to delete the AC-8 on the 8th floor, revised refrigerant and condensate pipe routing on the 9th floor, deletion of hub drians, etc.

9. Drawing M-301, Mechanical New Plan – 10th & 11th Floor (Issued)

1. General Revisions have been made to the mechanical drainwg to indicate the revised refrigerant and condensate pipe routing on the 10th & 11th floor, deletion of hub drians, etc.

10. Drawing M-302, Roof & Penthouse Level Plan (Issued)

1. General Revisions have been made to the mechanical drainwg to indicate the revised refrigerant pipe routing, deletion of hub drians, etc.

End of Mechanical Addendum M-1

Rinest Rumano, B.Eng. _____
GPY+ Associates Engineering Inc.

CONVERSION TABLE – METRIC/IMPERIAL						(SOFT CONVERSION 1"=25mm)			
INCHES (")	MILLIMETERS (mm)	INCHES (")	MILLIMETERS (mm)	INCHES (")	MILLIMETERS (mm)	INCHES (")	MILLIMETERS (mm)	INCHES (")	MILLIMETERS (mm)
1/2	12	11	275	44	1100	78	1950	112	2800
5/8	15	12	300	46	1150	80	2000	114	2850
3/4	20	14	350	48	1200	82	2050	116	2900
1	25	16	400	50	1250	84	2100	118	2950
1-1/4	32	18	450	52	1300	86	2150	120	3000
1-1/2	40	20	500	54	1350	88	2200	122	3050
2	50	22	550	56	1400	90	2250	124	3100
2-1/2	65	24	600	58	1450	92	2300	126	3150
3	75	26	650	60	1500	94	2350	128	3200
3-1/2	90	28	700	62	1550	96	2400	130	3250
4	100	30	750	64	1600	98	2450	132	3300
5	125	32	800	66	1650	100	2500	134	3350
6	150	34	850	68	1700	102	2550	136	3400
7	175	36	900	70	1750	104	2600	138	3450
8	200	38	950	72	1800	106	2650	140	3500
9	225	40	1000	74	1850	108	2700	142	3550
10	250	42	1050	76	1900	110	2750	144	3600

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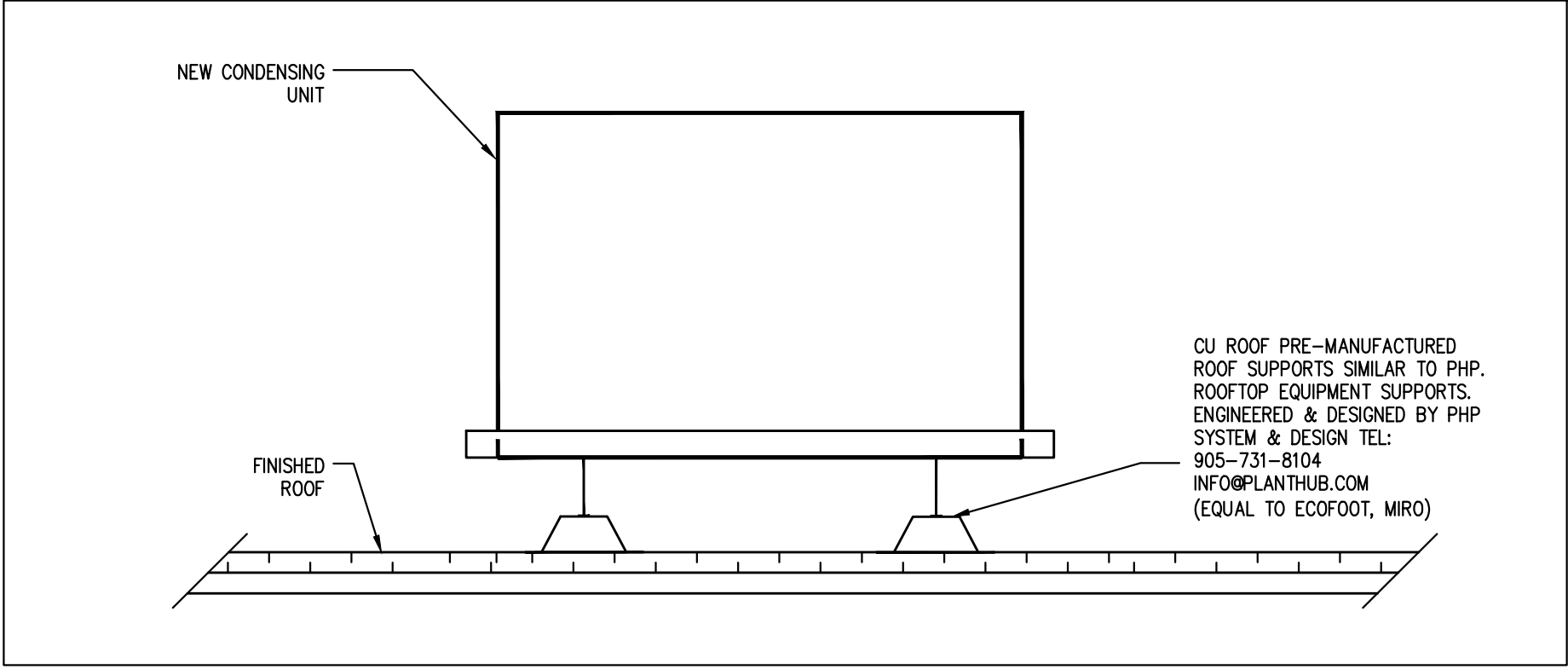
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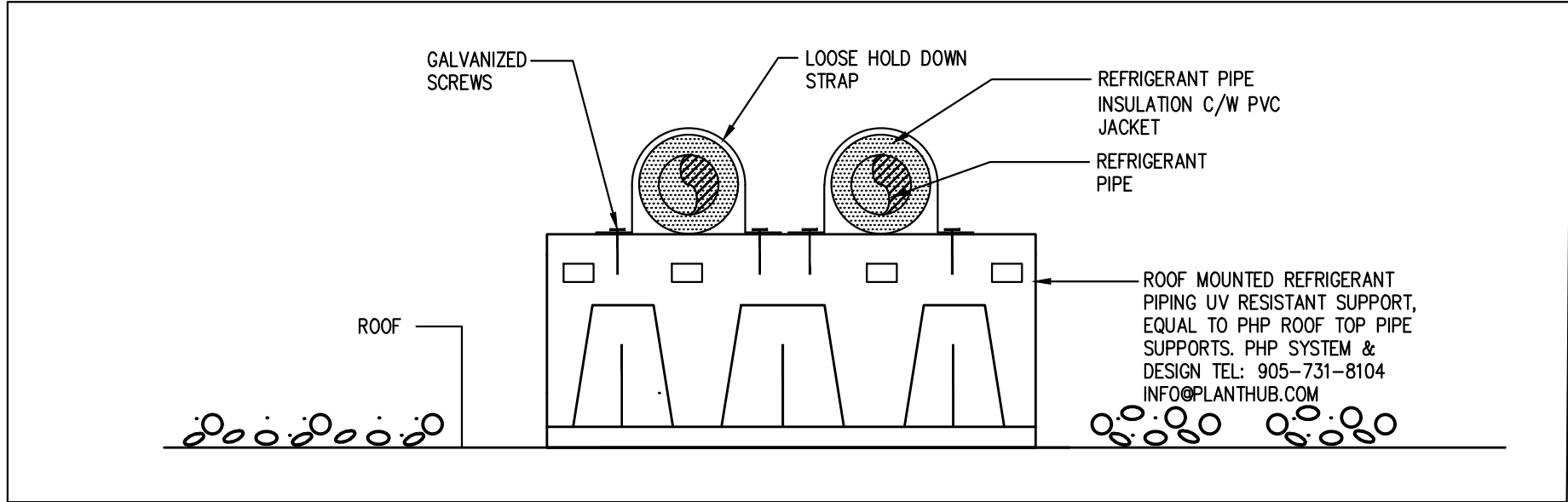
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3	REVISED AS PER ADDENDUM M-1	2023-08-30	
2	ISSUED FOR PERMIT	2023-08-1	
1	ISSUED FOR TENDER	2023-08-0	
NO	ACTION		DY MO YR

M-100

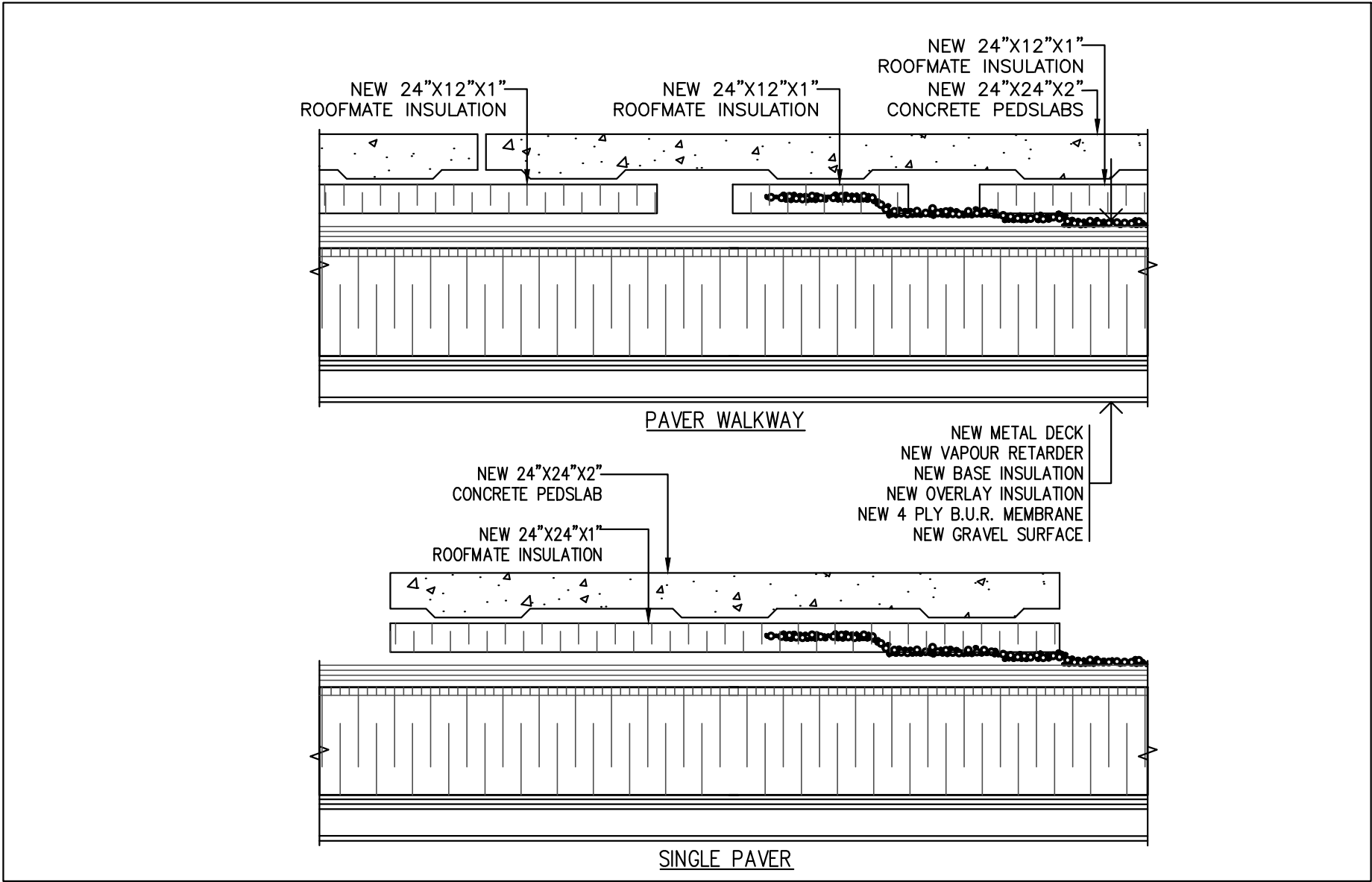
VRF HEAT PUMP AIR CONDITIONING SCHEDULE																				BASIS OF DESIGN: LENNOX EQUAL IN: DAIKIN, MITSUBISHI									
No.	AREA SERVED	MANUFACTURER	MODEL No.	AIRFLOW (CFM)	E.S.P. (IN.WG)	DX COOLING COIL PERFORMANCE		DX HEATING COIL PERFORMANCE		SOUND	ELECTRICAL DATA			SHIPPING WEIGHT (LBS)	HEAT RECOVERY BRANCH SELECTOR BOX				CONDENSING UNIT										
						TOT (BTU/H)	KW SENS. (BTU/H)	KW TOT (BTU/H)	COP		DBA	ELEC.	MCA		MAX FUSE	MODEL No.	ELEC.	MCA	MOP	No.	MODEL No.	LOCATION	ELEC. DATA	CLG CAPACITY (BTU)@95°F	HTG CAPACITY (BTU)	BASIS OF DESIGN	REFRIGERANT	WEIGHT LBS	
AC-1	MEETING ROOM 1141	LENNOX	VWMB018H4-3P WALL MOUNTED	450	0.0	19,000	14,250	21,500	---	42.0	208-230V 1PH/60Hz	0.42A	15.0A	51	--	--	--	---	CU-1	THIS CONDENSING UNIT IS COMPRISED OF ONE (1) INDEPENDENT MODULE									
AC-2	MEETING ROOM 1031	LENNOX	VWMB018H4-3P WALL MOUNTED	450	0.0	19,000	14,250	21,500	---	42.0	208-230V 1PH/60Hz	0.42A	15.0A	51	N/A					CU-01 VPB120HAM-3Y	ROOF	208V/3PH/60Hz MCA-54 A MOCP-60 A	120,000	129,000	LENNOX	R-410A	794		
AC-3	MEETING ROOM 1026	LENNOX	VWMB015H4-3P WALL MOUNTED	400	0.0	15,000	11,250	17,100	---	38.6	208-230V 1PH/60Hz	0.34A	15.0A	38	N/A					NOTE: 1. COOLING CAPACITIES ARE BASED ON 25C db, 18C wb E.A.T. 35C O.A.T. 2. HEATING CAPACITIES ARE BASED ON -25C OUTDOOR AIR TEMPERATURE. 3. PROVIDE PREFABRICATED STEEL SUPPORTS FOR CONDENSING UNITS EQUAL TO EFM06-PB6CB483. ELEVATED FOOT STANDS C/W RUBBER ISOLATION UNDER ALL CONDENSING UNITS. 4. PROVIDE FACTORY INSTALLED WEATHERPROOF DISCONNECT SWITCHES FOR ALL CONDENSING UNITS. (BY CONTRACTOR) 5. PROVIDE ALL NECESSARY DISTRIBUTION JOINT KITS, AND BALL VALVE KITS, ALL NECESSARY INTERCONNECTING CONTROL WIRING, TEMPERATURE SENSORS, AND CONTROL INTERCONNECTS BETWEEN INDOOR FAN COIL UNITS AND THE CONDENSING UNITS AS REQUIRED TO FORM A COMPLETE AND OPERATIONAL SYSTEM. 6. PROVIDE (Y) BRANCHES FOR AC UNITS AS INDICATED ON THE FLOOR PLANS AND SCHEMATIC DIAGRAM. 7. PROVIDE WALL MOUNTED CONTROLLER FOR ALL AC UNITS. 8. 10 YEAR WARRANTY FOR ALL PARTS ON AC UNITS, CU UNITS AND BRANCH BOXES. 9. PROVIDE CONDENSATE PUMP FOR WALL MOUNTED AC UNIT, SIMILAR TO MINILINE. 10. LOW AMBIENT COOLING PERFORMANCE FOR CU-1, DURING WINTER SEASON.									
AC-4	MEETING ROOM 1022	LENNOX	VWMB018H4-3P WALL MOUNTED	450	0.0	19,000	14,250	21,500	---	42.0	208-230V 1PH/60Hz	0.42A	15.0A	51	N/A														
AC-5	MEETING ROOM 1053	LENNOX	VWMB030H4-3P WALL MOUNTED	700	0.0	30,000	22,500	34,100	---	--	208-230V 1PH/60Hz	0.65A	15.0A	51	N/A														
AC-6	MEETING ROOM 947	LENNOX	VWMB018H4-3P WALL MOUNTED	450	0.0	19,000	14,250	21,500	---	42.0	208-230V 1PH/60Hz	0.42A	15.0A	51	N/A														
AC-7	MEETING ROOM 958	LENNOX	VWMB030H4-3P WALL MOUNTED	700	0.0	30,000	22,500	34,100	---	--	208-230V 1PH/60Hz	0.65A	15.0A	51	N/A														



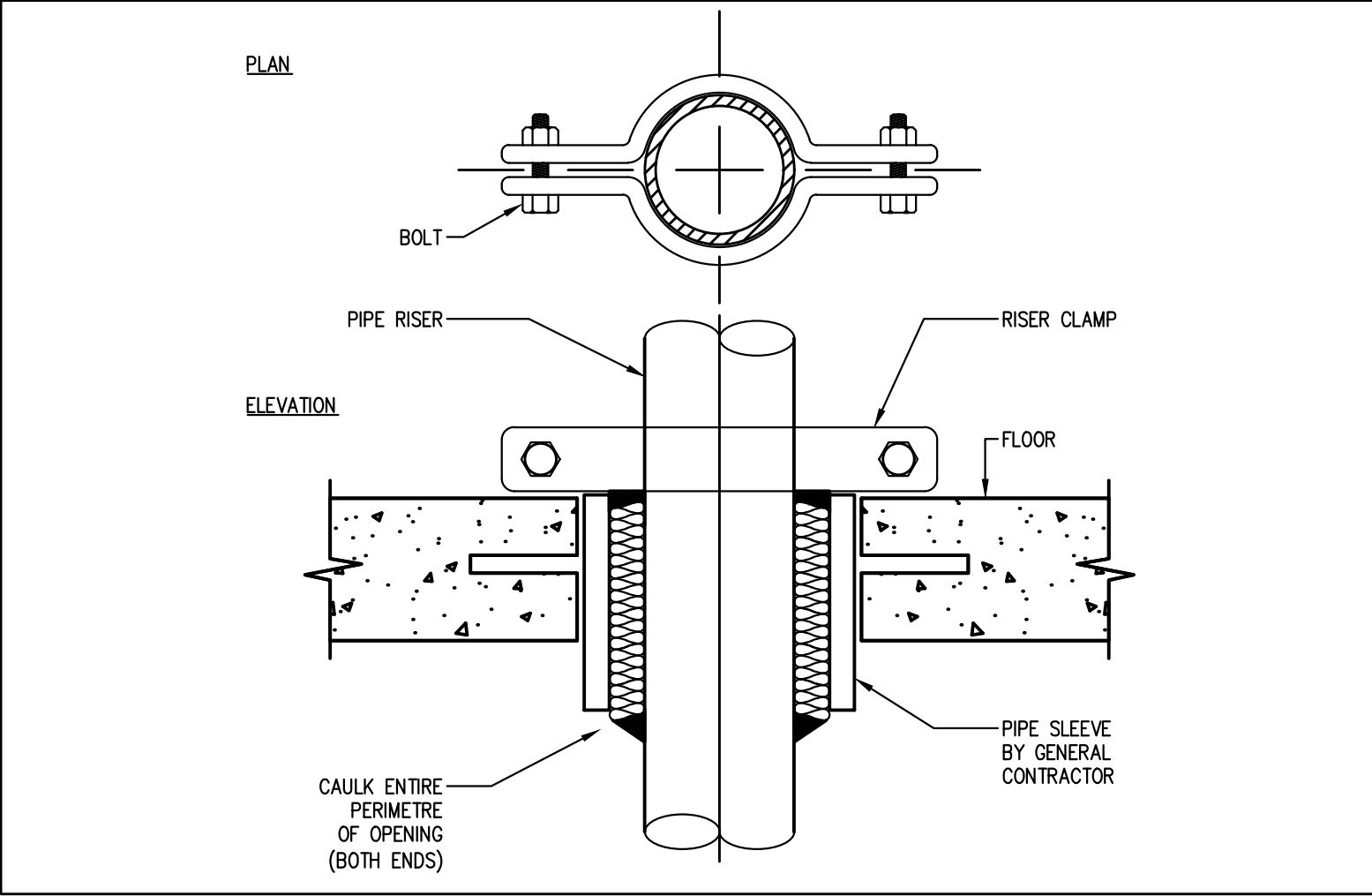
6 ROOF MOUNTED CONDENSING UNIT DETAIL
M-103 N.T.S.



7 DETAIL OF REFRIGERANT PIPING SUPPORT ON ROOF
M-103 N.T.S.

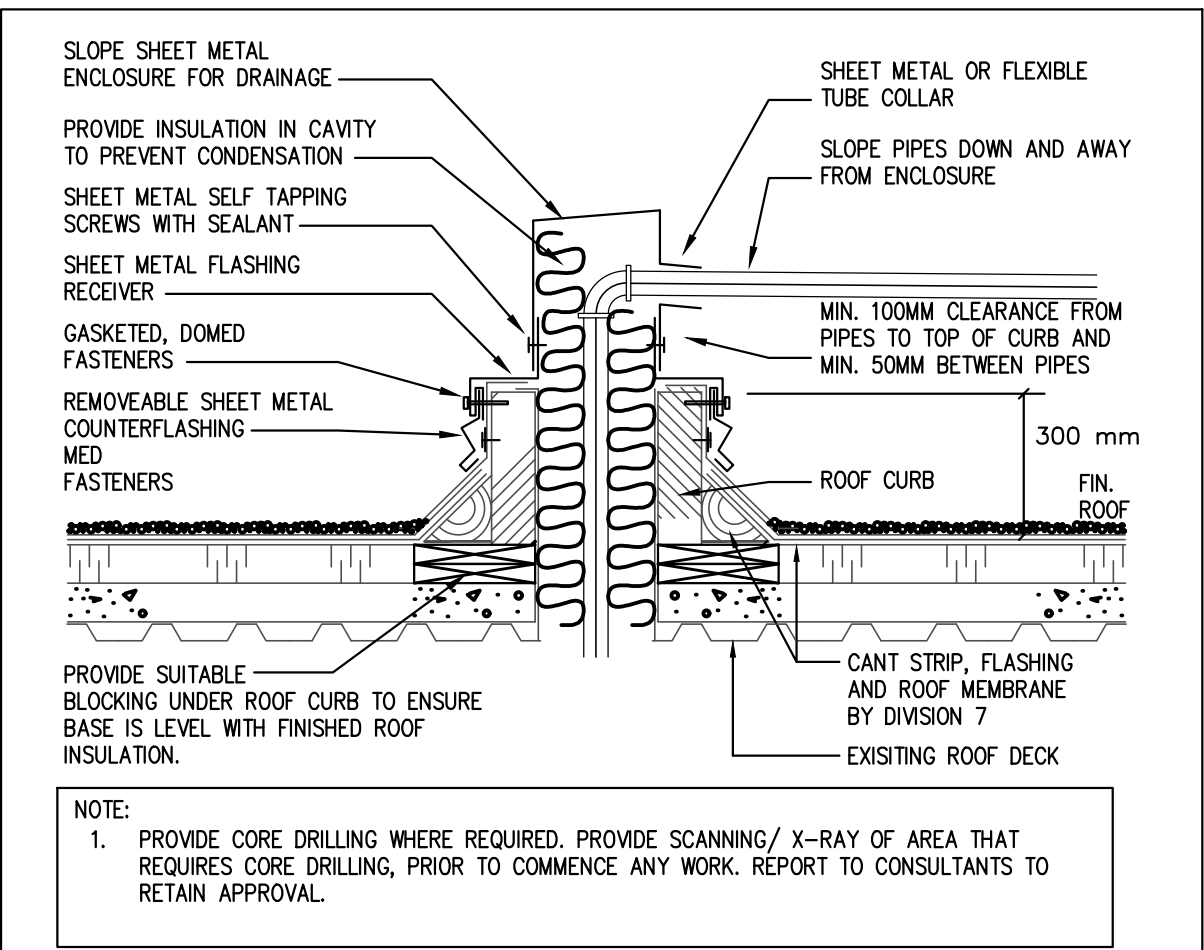


8 WALKER/PAVER DETAIL
M-103 N.T.S.

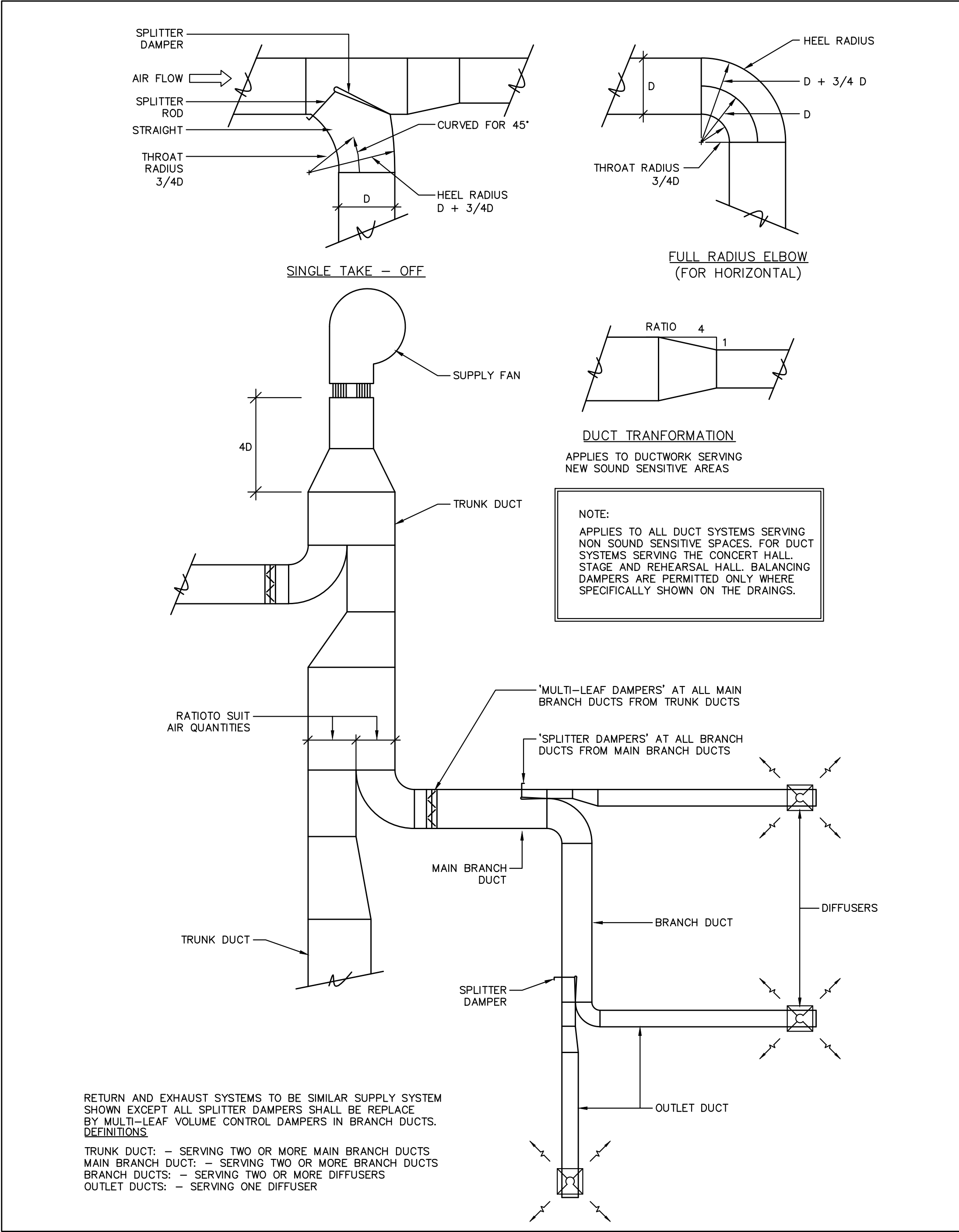


4 PIPE SUPPORT DETAIL AT FLOOR
M-103 N.T.S.

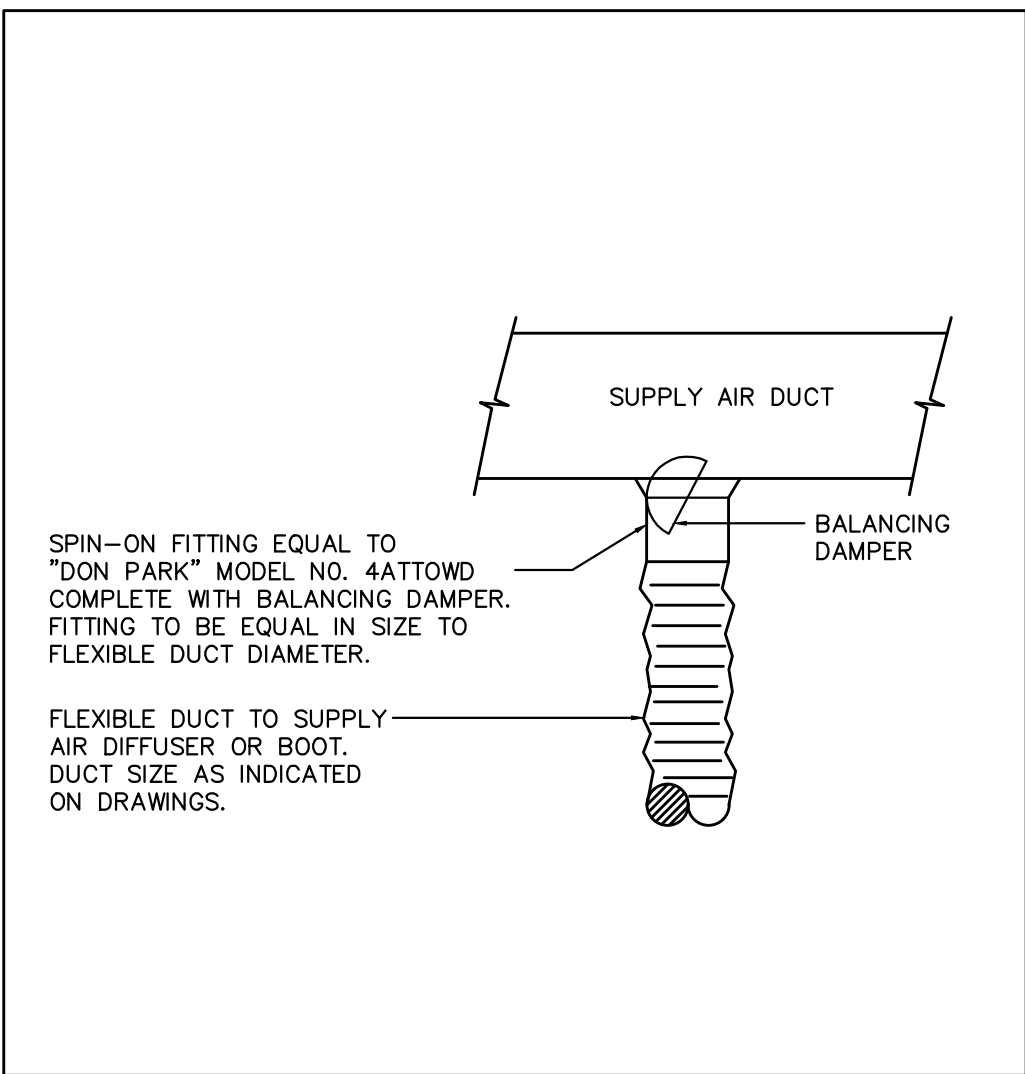
EXHAUST FAN SCHEDULE								BASIS OF DESIGN: CARNES, EQUAL IN: LOREN COOK, GREENHECK, PENN, ZONEX									
NO.	SERVICE	TYPE	AIRFLOW (CFM)	STATIC PRESS. (IN.W.G.)	MOTOR WATTS (HP)	VOLTAGE	NOTES:										
EF-1	STORAGE 1145	CEILING MOUNTED VCD0030C	253	0.25	172 WATTS	120/1	① ② ④ ⑤										
EF-2	PRINTER 1024	CEILING MOUNTED VCD0030C	253	0.25	172 WATTS	120/1	① ② ④ ⑤										
EF-3	COPIER 1047	CEILING MOUNTED VCD0030C	253	0.25	172 WATTS	120/1	① ② ④ ⑤										
NOTES: ① WALL MOUNTED STARTER ② UNIT MOUNTED VARIABLE SPEED CONTROLLER ③ RUBBER IN SHEAR ISOLATORS ④ WHITE PAINTED STEEL GRILLE ⑤ REVERSE ACTING LINE VOLTAGE THERMOSTAT, SET TO ENERGIZE FAN ABOVE 75°F								⑥ BACK DRAFT DAMPER ⑦ ROOF CURB ⑧ MOTORIZED DAMPER ⑨ UNIT MOUNTED DISCONNECT SWITCH									



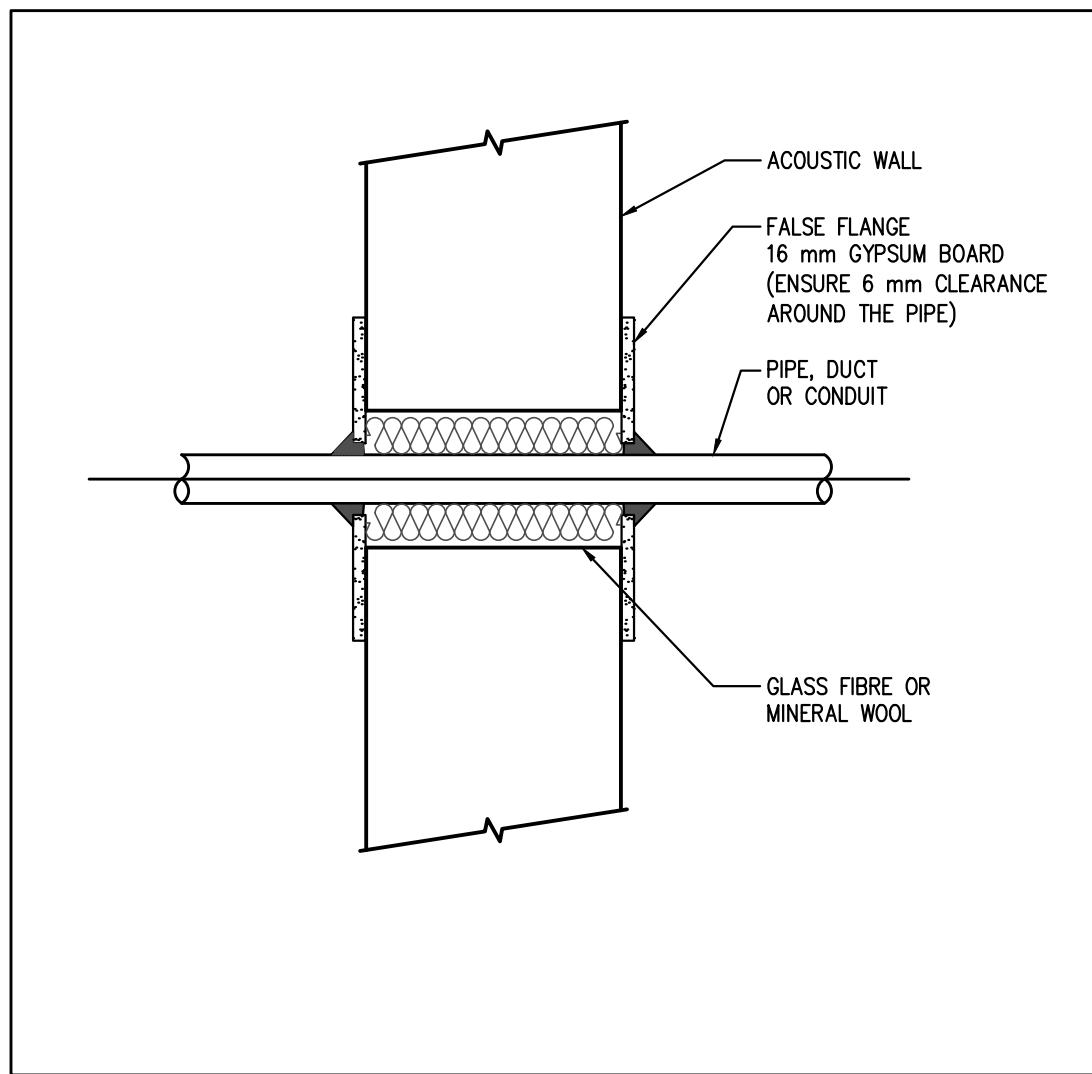
5 DETAIL OF PIPE PENETRATION THRU ROOF
M-103 N.T.S.



1 DUCTWORK FITTINGS AND BALANCING DAMPER DETAILS
M-103 N.T.S.




3 TYPICAL TRANSFER DUCT AND SPIN-ON FITTING DETAIL
M-103 N.T.S.



2 SECTION AT PIPING CONDUIT OR DUCT PENETRATION
M-103 N.T.S.

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3	REVISED AS PER ADDENDUM M-1	2023-08-30
2	ISSUED FOR PERMIT	2023-08-11
1	ISSUED FOR TENDER	2023-08-08
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Project North		Stamp 	
Date: DEC 2022		Project No.: 25136	
Scale: N.T.S.		Drawn: K.J	Checked: G.P.Y
Drawing Number:			

MECHANICAL CONSULTANT:

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Client:


CAMH
CENTRE FOR ADDICTION
AND MENTAL HEALTH

Project Title:
CAMH 250 COLLEGE STREET
MOVE CONSOLIDATION -

INTERIOR RENOVATION
GROUND, 8TH, 9TH, 10TH & 11TH FLOOR

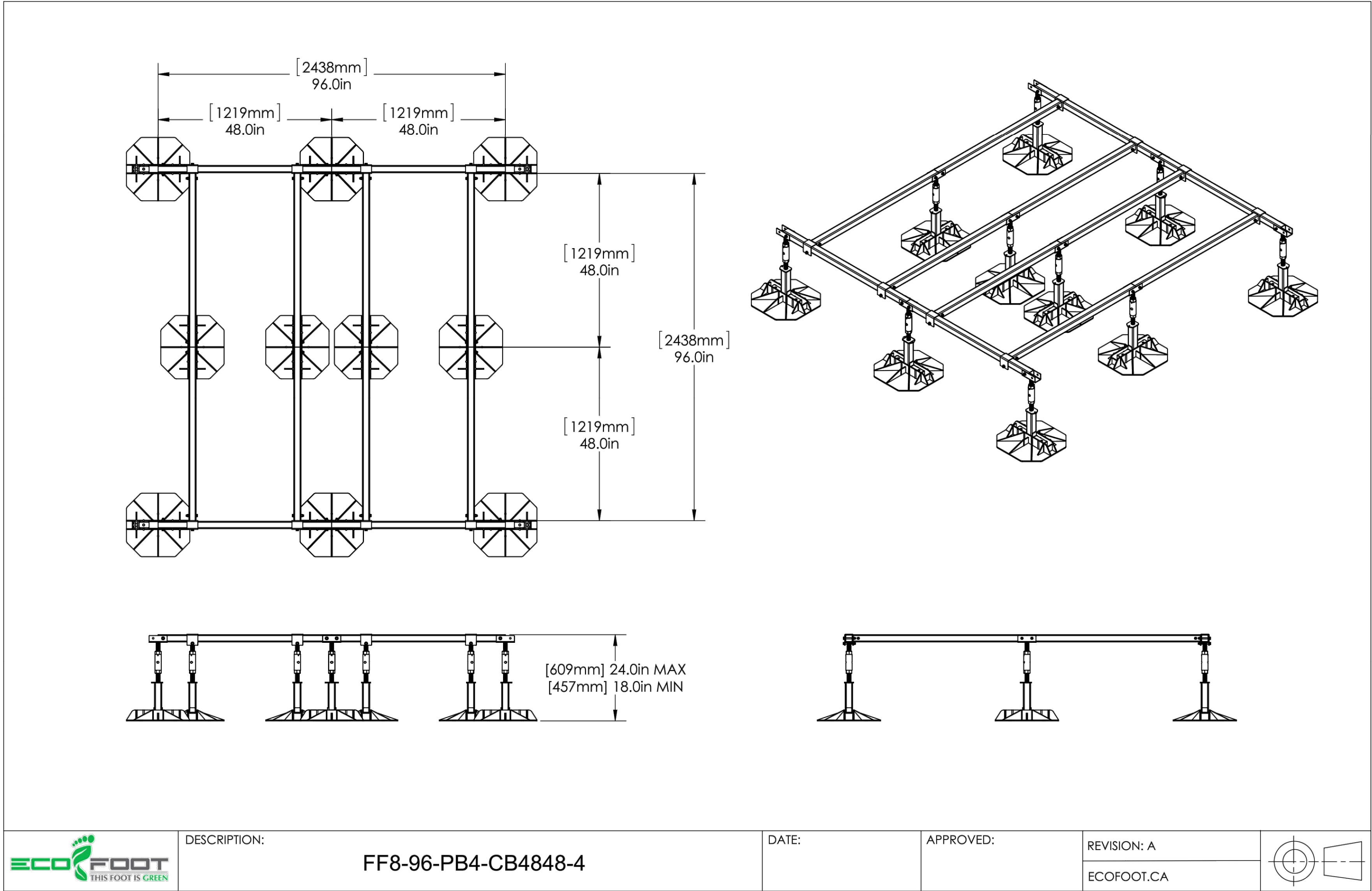
Sheet Title:

MECHANICAL DETAILS & EQUIPMENT
SCHEDULE

Project North	Stamp 	
Date: DEC 2022	Project No.: 25136	
Scale: N.T.S.	Drawn: K.J	Checked: G.P.Y

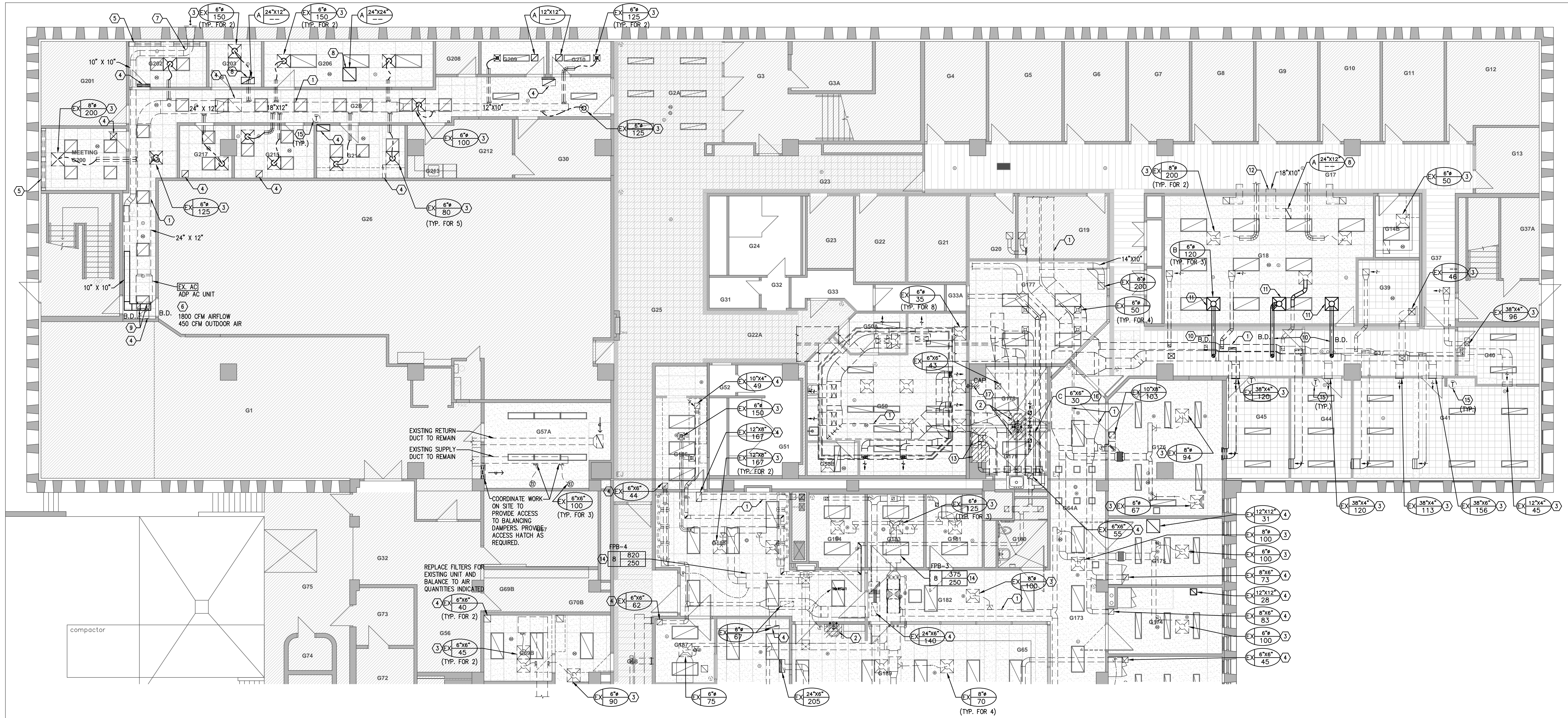
Drawing Number:

M-105



DIFFUSER SCHEDULE				BASIS OF DESIGN: TITUS EQUAL IN: E.H. PRICE, CARNES, NAILOR
REF.	MODEL No.	DESCRIPTION	REMARKS	
A	50F SERIES	12X12X12 (6"x6"x6") EGG CRATE RETURN AIR GRILLE, ALUMINUM CONSTRUCTION, SUITABLE FOR "T" BAR MOUNTING & DRYWALL MOUNTING WHERE INDICATED. SIZES AS INDICATED ON THE FLOOR PLANS.	WHITE POWDER COAT, 12 FINISH BAKED ENAMEL	
B	TMSA SERIES	600X600 (24"x24") OR 300X300 (12"x12") SQUARE CONE DIFFUSER, FULLY ADJUSTABLE AIR PATTERN FORM HORIZONTAL TO VERTICAL AIR THROW, STEEL CONSTRUCTION, ADJUSTABLE AIR PATTERN SUITABLE FOR "T" BAR MOUNTING.	WHITE POWDER COAT, 12 FINISH BAKED ENAMEL	
C	350RL SERIES	SINGLE DEFLECTION EXHAUST/RETURN AIR GRILLE, STEEL CONSTRUCTION, C/W DAMPER AND 3/4" BLADES SPACING, BLADES PARALLEL TO LONG DIMENSION, ADJUSTABLE BLADES, SUITABLE FOR DRYWALL MOUNTING OR SIDEWALL MOUNTING.	WHITE POWDER COAT, 12 FINISH BAKED ENAMEL	
D	CT-580 SERIES	LINEAR BAR RETURN AIR GRILLE C/W ALUMINIUM FRAME & BORDER TYPE 3, SUITABLE FOR CONCEALED DRYWALL MOUNTED. FIXED 1/8" & 0"	#26 WHITE COAT FINISH	

CONDENSATE PUMP SCHEDULE								BASIS OF DESIGN: ASPEN PUMP EQUAL IN: MINI-LIME, LITTLE GIANT
No.	SERVICE	MANUFACTURER	MODEL NO.	HEAD (M)	CAPACITY	MOTOR		NOTES
						WATTS	VOLTAGE (V/PH/Hz)	
CP-1	AC UNITS CONDENSATE	LITTLE GIANT	554401 VCMA-15UL	15	240 Ltr/Hr @ 1' HEAD	15	115/1/60	Amps(FLA) 1A, 1/2 GALLON COLLECTION TANK,VERTICAL CENTRIFUGAL PUMP DESIGN, 3/4" O.D. BARBED DISCHARGE ADAPTOR WITH BUILT-IN CHECK VALVE. THREE-1-1/8" DIAMETER INLET OPENING(TWO FITTED WITH REMOVABLE CAP PLUG), MAX WATER TEMPERATURE:140° ~240 LTR/H @ 1' HEAD. 00PH Ø15". WEIGHT 4.4 LBS
CP-2	AC UNITS CONDENSATE	LITTLE GIANT	554401 VCMA-15UL	15	240 Ltr/Hr @ 1' HEAD	15	115/1/60	Amps(FLA) 1A, 1/2 GALLON COLLECTION TANK,VERTICAL CENTRIFUGAL PUMP DESIGN, 3/4" O.D. BARBED DISCHARGE ADAPTOR WITH BUILT-IN CHECK VALVE. THREE-1-1/8" DIAMETER INLET OPENING(TWO FITTED WITH REMOVABLE CAP PLUG), MAX WATER TEMPERATURE:140° ~240 LTR/H @ 1' HEAD. 00PH Ø15". WEIGHT 4.4 LBS



01 NEW LAYOUT - GROUND FLOOR (NORTH) PLAN
M-200 1/8"=1'-0"

GENERAL NOTES
<ol style="list-style-type: none"> CONTRACTOR SHALL INFORM TO THE MECHANICAL ENGINEER OF ANY DISCREPANCIES PRIOR TO SUBMITTING BID. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL, STRUCTURAL AND ELECTRICAL SERVICES IN ORDER TO SUIT NEW INSTALLATION. ALL EXISTING PLUMBING PIPING SHALL BE REMOVED AND CAPPED BEHIND NEW / EXISTING FINISHED SURFACES. PROVIDE ALL REQUIRED PIPING SUPPORTS AND OVERSIZED PIPING CLIPS / HANGERS TO ALLOW FOR A CONTINUOUS PIPE INSULATION WITH NO INTERRUPTIONS. BALANCE ALL NEW & EXISTING SUPPLY AIR DIFFUSERS, RETURN AIR GRILLES TO AIR QUANTITIES INDICATED ON FLOOR PLANS AND MECHANICAL SCHEDULES. BALANCE ALL EXISTING FAN POWERED BOXES TO AIR QUANTITIES INDICATED ON FLOOR PLANS. BALANCE ALL EXISTING RTU'S SUPPLY FAN & EXHAUST FANS, AC UNIT SUPPLY FAN, FRESH AIR DAMPERS ETC. TO AIR QUANTITIES INDICATED.

DEMOLITION DRAWING NOTES	DEMOLITION DRAWING NOTES
<ol style="list-style-type: none"> EXISTING SUPPLY AND RETURN AIR DUCTWORK SYSTEM TO REMAIN. EXISTING SUPPLY AND RETURN AIR GRILLES SHALL BE BALANCED TO THE AIR QUANTITIES INDICATED ON THE DRAWINGS. (TYPICAL) EXISTING SINK AND CABINET TO BE REMOVED. REMOVE EXISTING SANITARY DRAIN, VENT AND DOMESTIC CW & HW AND CAP PIPING BEHIND NEW / EXISTING FINISHES AS REQUIRED. EXISTING SUPPLY AIR GRILLES AT THIS LOCATION AS SHOWN TO REMAIN. (TYPICAL) BALANCE SUPPLY AIR TO AIR QUANTITIES INDICATED. EXISTING RETURN AIR GRILLE AT THIS LOCATION AS SHOWN TO REMAIN. (TYPICAL) TAKE AIR READING & BALANCE RETURN AIR TO AIR QUANTITIES INDICATED. EXISTING HYDRONIC PERIMETER HEATING RADIATOR TO REMAIN. BALANCE EXISTING AC UNIT TO AIR QUANTITIES AS INDICATED. REPLACE FILTERS PRIOR TO COMPLETE AIR BALANCING. BALANCE FRESH AIR DAMPER AS SHOWN ON FLOOR PLANS. CONTRACTOR TO THOROUGHLY VACUUM & CLEAN EXISTING INTAKE AIR LOUVER/GRILLE. EXTEND FRESH AIR DUCT TO EXISTING AC UNIT RETURN SECTION & SECURE TO DUCT COLLAR. PROVIDE NEW RETURN AIR GRILLE IN THE EXISTING T-BAR CEILING. 	<ol style="list-style-type: none"> PROVIDE NEW BALANCING DAMPERS TO NEW OUTDOOR AIR DUCT AND RETURN AIR DUCT. CONNECT BOTH DUCTS AT THE NEW PLENUM AT THE RETURN SECTION OF AC UNIT. PROVIDE NEW SUPPLY AIR DUCT C/W BALANCING DAMPER AND CONNECT TO EXISTING AS SHOWN. PROVIDE NEW SUPPLY AIR GRILLE C/W SPIN-ON FITTING, FLEXIBLE DUCT BALANCING DAMPER & CONNECT TO NEW BRANCH DUCT. BALANCE NEW DIFFUSER TO AIR QUANTITIES INDICATED. PROVIDE NEW TRANSFER AIR DUCT C/W 1" THICK INTERNAL ACOUSTIC INSULATION AND TRANSFER AIR GRILLE AS SHOWN. REMOVE EXISTING WASHER/DRYER. REMOVE ALL ASSOCIATED PIPING AND CAP BEHIND EXISTING FINISHES/CEILING SPACE. REMOVE EXHAUST AIR DUCT AND CAP IN CEILING SPACE. EXISTING FAN POWER BOX AT THIS LOCATION TO REMAIN C/W ASSOCIATED THERMOSTAT. BALANCE PRIMARY AIR & SUPPLY FAN TO AIR QUANTITIES INDICATED. EXISTING WALL MOUNTED THERMOSTAT TO REMAIN. (TYPICAL) REMOVE EXISTING WALL MOUNTED GRILLES. REMOVE ASSOCIATED DUCT INSIDE WALL AND CAP DUCT IN CEILING SPACE. PROVIDE NEW GRILLE AT LOCATION SHOWN AND CONNECT TO EXISTING DUCT. REMOVE EXISTING WATER LINE & CAPPING BEHIND EXISTING FINISHES.

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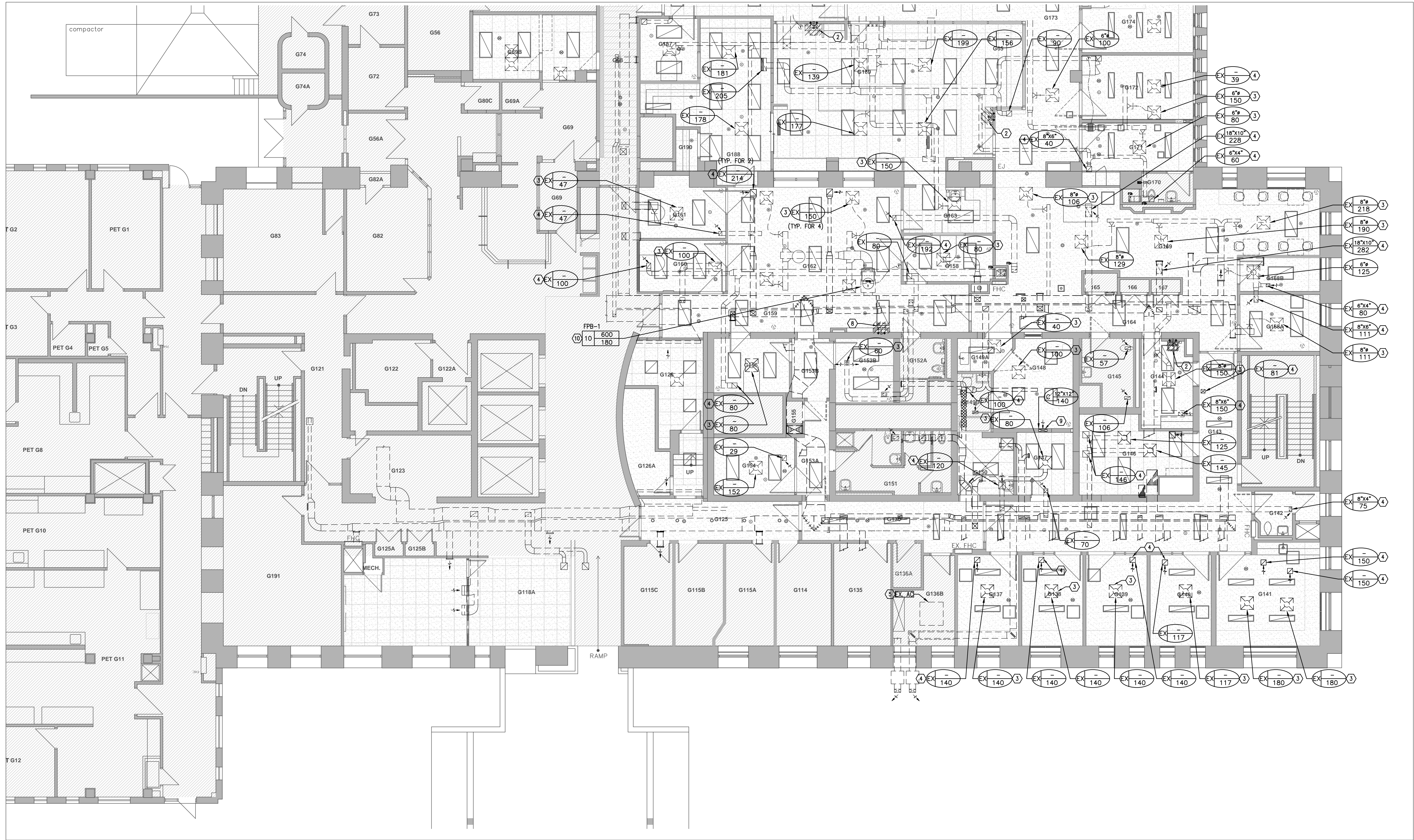
CAMH
CENTRE FOR ADDICTION
AND MENTAL HEALTH

Project Title:
CAMH 250 COLLEGE STREET
MOVE CONSOLIDATION -
 INTERIOR RENOVATION
 GROUND, 8TH, 9TH, 10TH & 11TH FLOOR

Sheet Title:
MECHANICAL PLAN -
GROUND NORTH PLAN

Project North	Stamp
Date: DEC 2022	Project No.: 25136
Scale: 1/8"=1'-0"	Drawn: K.J
Drawing Number:	Checked: G.P.Y

M-200



01 NEW LAYOUT - GROUND FLOOR (SOUTH) PLAN
M-201 1/8"=1'-0"

NOTE

- CONTRACTOR TO THOROUGHLY CLEAN RTU-1 COIL & REPLACE FILTERS WITH NEW ONES, PRIOR TO COMPLETE AIR BALANCING.
- EXISTING TRANE UNIT OUTDOOR AIR DAMPER TO BE ADJUSTED TO 25% OPEN OF THE TOTAL AIRFLOW. CONTRACTOR TO REPLACE EXISTING DAMPER ACTUATOR AND RECTIFY UNIT AS REQUIRED.
- WHERE EXHAUST GRILLES ARE BLOCKED CONTRACTOR SHALL CLEAR THEM AND BALANCE EXHAUST GRILLES AS REQUIRED.
- BALANCE ALL FAN POWER BOXES TO AIR QUANTITIES INDICATED FOR PRIMARY AIR.

GENERAL NOTES

- CONTRACTOR SHALL INFORM TO THE MECHANICAL ENGINEER OF ANY DISCREPANCIES PRIOR TO SUBMITTING BID.
- CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL, STRUCTURAL AND ELECTRICAL SERVICES IN ORDER TO SUIT NEW INSTALLATION.
- ALL EXISTING PLUMBING PIPING SHALL BE REMOVED AND CAPPED BEHIND NEW / EXISTING FINISHED SURFACES.
- PROVIDE ALL REQUIRED PIPING SUPPORTS AND OVERSIZED PIPING CLIPS / HANGERS TO ALLOW FOR A CONTINUOUS PIPE INSULATION WITH NO INTERRUPTIONS.
- BALANCE ALL NEW & EXISTING SUPPLY AIR DIFFUSERS, RETURN AIR GRILLES TO AIR QUANTITIES INDICATED ON FLOOR PLANS AND MECHANICAL SCHEDULES.
- BALANCE ALL EXISTING FAN POWERED BOXES TO AIR QUANTITIES INDICATED ON FLOOR PLANS.
- BALANCE ALL EXISTING RTU'S SUPPLY FAN & EXHAUST FANS, AC UNIT SUPPLY FAN, FRESH AIR DAMPERS ETC. TO AIR QUANTITIES INDICATED.

DRAWING NOTES

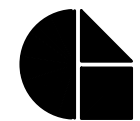
- EXISTING SUPPLY AND RETURN AIR DUCTWORK SYSTEM TO REMAIN. EXISTING SUPPLY AND RETURN AIR GRILLES SHALL BE BALANCED TO THE AIR QUANTITIES INDICATED ON THE DRAWINGS. (TYPICAL)
- EXISTING SINK AND CABINET TO BE REMOVED. REMOVE EXISTING SANITARY DRAIN, VENT AND DOMESTIC CW & HW AND CAP PIPING BEHIND NEW / EXISTING FINISHES AS REQUIRED.
- EXISTING SUPPLY AIR GRILLES AT THIS LOCATION AS SHOWN TO REMAIN. (TYPICAL) BALANCE SUPPLY AIR TO AIR QUANTITIES INDICATED.
- EXISTING RETURN AIR GRILLE AT THIS LOCATION AS SHOWN TO REMAIN. (TYPICAL)
- BALANCE EXISTING AC UNIT TO AIR QUANTITIES AS INDICATED. REPLACE FILTERS PRIOR TO COMPLETE AIR BALANCING.
- EXISTING FAN POWER BOX AT THIS LOCATION TO REMAIN C/W ASSOCIATED THERMOSTAT. BALANCE TO AIR QUANTITIES INDICATED.
- EXISTING WALL MOUNTED THERMOSTAT TO REMAIN.

DRAWING NOTES

- EXISTING DRINKING FOUNTAIN TO BE REMOVED. REMOVE EXISTING SANITARY DRAIN, VENT AND DOMESTIC CW LINE AND CAP PIPING BEHIND NEW/EXISTING FINISHES AS REQUIRED.
- REMOVE EXISTING 12"x12" RETURN AIR GRILLE. REMOVE EXISTING BLANK-OFF PANEL FROM THE GRILLE IN ORDER TO MAKE SYSTEM OPERATIONAL. PROVIDE NEW RETURN AIR GRILLE AT EXISTING LOCATION & SECURE TO STUDS/DUCT/ BALANCE TO AIR QUANTITIES INDICATED.
- PROVIDE NEW ACCESS HATCH AT DRYWALL CEILING TO SERVE EXISTING FAN POWERED BOX.

MECHANICAL CONSULTANT:

GPY +
Associates Engineering Inc.



90C Centurian Drive
Unit 6C
Markham, Ontario
L3R 8C5

Tel: 905 475 3138
Fax: 905 475 3140
email: engineering
@gpyengineering.com

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Client:

CAMH
CENTRE FOR ADDICTION
AND MENTAL HEALTH

Project Title:
CAMH 250 COLLEGE STREET
MOVE CONSOLIDATION -

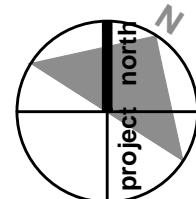
INTERIOR RENOVATION
GROUND, 8TH, 9TH, 10TH & 11TH FLOOR

Sheet Title:

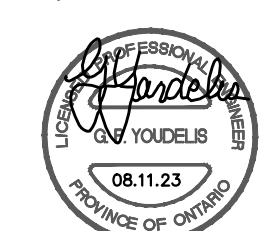
MECHANICAL PLAN –
GROUND SOUTH PLAN

Project

North



Stamp



Date:
DEC 2022

Project No.:
25136

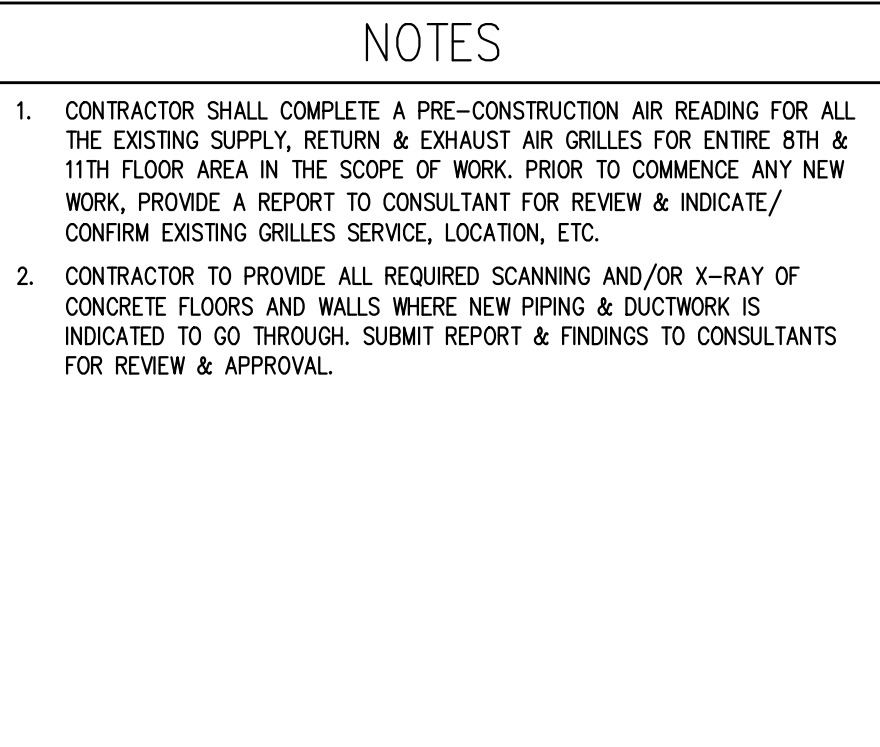
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Drawn:
K.J

Checked:
G.P.Y

Drawing Number:

M-201



01 DEMOLITION PLAN - ELEVENTH FLOOR PLAN
M-202 1/8"=1'-0"

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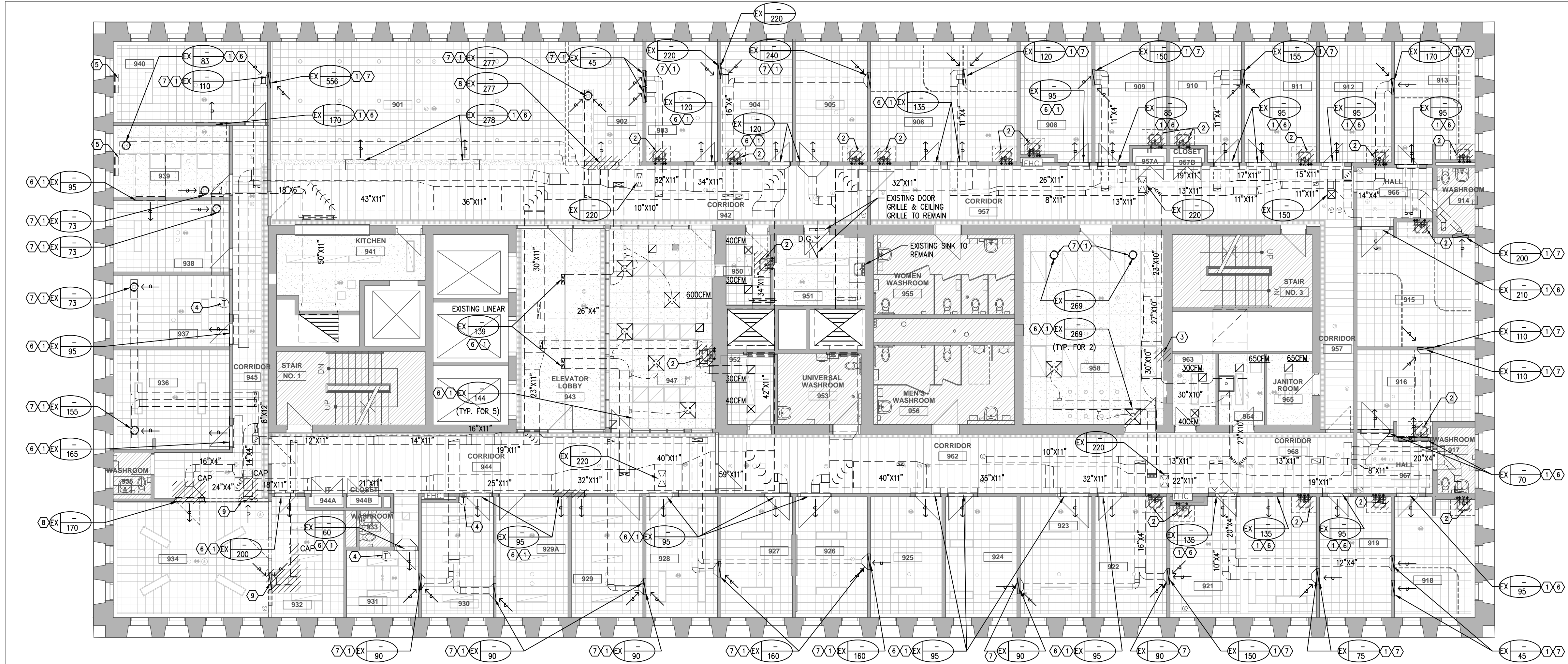
**CAMH
CENTRE FOR ADDICTION
AND MENTAL HEALTH**

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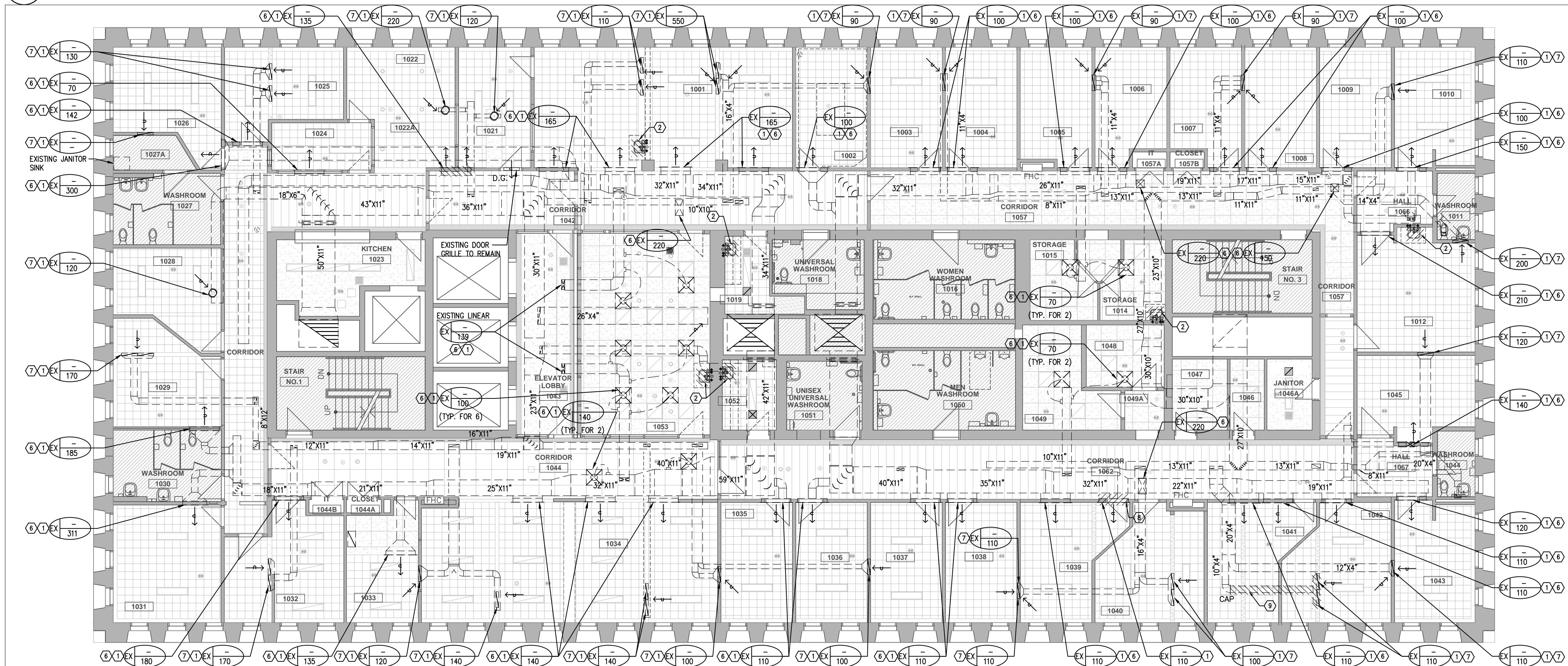
**CAMH 250 COLLEGE STREET
MOVE CONSOLIDATION -
INTERIOR RENOVATION
GROUND, 8TH, 9TH, 10TH & 11TH FLOOR**

MECHANICAL DEMOLITION
PLAN - 8TH & 11TH FLOOR
PLAN

<p>Project North</p> 	<p>Stamp</p> 	
<p>Date: DEC 2022</p>	<p>Project No.: 25136</p>	
<p>Scale: 1/8"=1'-0"</p>	<p>Drawn: K.J</p>	<p>Checked: G.P.Y</p>



01 DEMOLITION PLAN - NINTH FLOOR PLAN
M-203 1/8"=1'-0"



01 DEMOLITION PLAN - TENTH FLOOR PLAN
M-203 1/8"=1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL INFORM TO THE MECHANICAL ENGINEER OF ANY DISCREPANCIES PRIOR TO SUBMITTING BID.
2. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL, STRUCTURAL AND ELECTRICAL SERVICES IN ORDER TO SUIT NEW INSTALLATION.
3. ALL EXISTING PLUMBING PIPING SHALL BE REMOVED AND CAPPED BEHIND NEW / EXISTING FINISHED SURFACES.
4. PROVIDE ALL REQUIRED PIPING SUPPORTS AND OVERSIZED PIPING CLIPS / HANGERS TO ALLOW FOR A CONTINUOUS PIPE INSULATION WITH NO INTERRUPTIONS.
5. BALANCE ALL NEW & EXISTING SUPPLY AIR DIFFUSERS, RETURN AIR GRILLES TO AIR QUANTITIES INDICATED ON FLOOR PLANS AND MECHANICAL SCHEDULES.

DEMOLITION DRAWING NOTES

1. EXISTING SUPPLY AND RETURN AIR DUCTWORK SYSTEM TO REMAIN. EXISTING SUPPLY AND RETURN AIR GRILLES SHALL BE BALANCED TO THE AIR QUANTITIES INDICATED ON THE DRAWINGS. (TYPICAL)
2. EXISTING SINK AND CABINET TO BE REMOVED. REMOVE EXISTING SANITARY DRAIN, VENT AND DOMESTIC CW & HW AND CAP PIPING BEHIND NEW / EXISTING FINISHES AS REQUIRED.
3. EXISTING DRINKING FOUNTAIN AT THIS LOCATION TO BE REMOVED. REMOVE EXISTING SANITARY DRAIN, VENT AND DOMESTIC CW AND CAP PIPING BEHIND WALL AS REQUIRED.
4. EXISTING THERMOSTAT / SENSOR AT THIS LOCATION TO REMAIN. (TYPICAL)
5. EXISTING ELECTRIC BASEBOARD HEATER TO REMAIN. (TYPICAL)
6. EXISTING SUPPLY AIR GRILLES AT THIS LOCATION AS SHOWN TO REMAIN. (TYPICAL)
7. EXISTING RETURN AIR GRILLE AT THIS LOCATION AS SHOWN TO REMAIN. (TYPICAL)
8. REMOVE EXISTING SUPPLY AIR GRILLE AND SAVE SAFELY ON SITE FOR RELOCATION. DISCONNECT DUCTWORK FROM SUPPLY AIR GRILLE AND MAKE GOOD FOR FUTURE CONNECTION.
9. REMOVE EXISTING RETURN AIR GRILLE ASSOCIATED DUCTWORK INSIDE WALL. RETURN AIR DUCT TO BE REMOVED AND CUT IN CEILING SPACE. MAKE DUCTWORK GOOD FOR FUTURE CONNECTION.

NOTES

1. CONTRACTOR SHALL COMPLETE A PRE-CONSTRUCTION AIR READING FOR ALL THE EXISTING SUPPLY, RETURN & EXHAUST AIR GRILLES FOR ENTIRE 9TH & 10TH FLOOR. PRIOR TO COMMENCE ANY NEW WORK, PROVIDE A REPORT TO CONSULTANT FOR REVIEW & INDICATE/ CONFIRM EXISTING GRILLES SERVICE, LOCATION, ETC.
2. CONTRACTOR TO PROVIDE ALL REQUIRED SCANNING AND/OR X-RAY OF CONCRETE FLOORS AND WALLS WHERE NEW PIPING & DUCTWORK IS INDICATED TO GO THROUGH. SUBMIT REPORT & FINDINGS TO CONSULTANTS FOR REVIEW & APPROVAL.

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Client:

CAMH CENTRE FOR ADDICTION AND MENTAL HEALTH

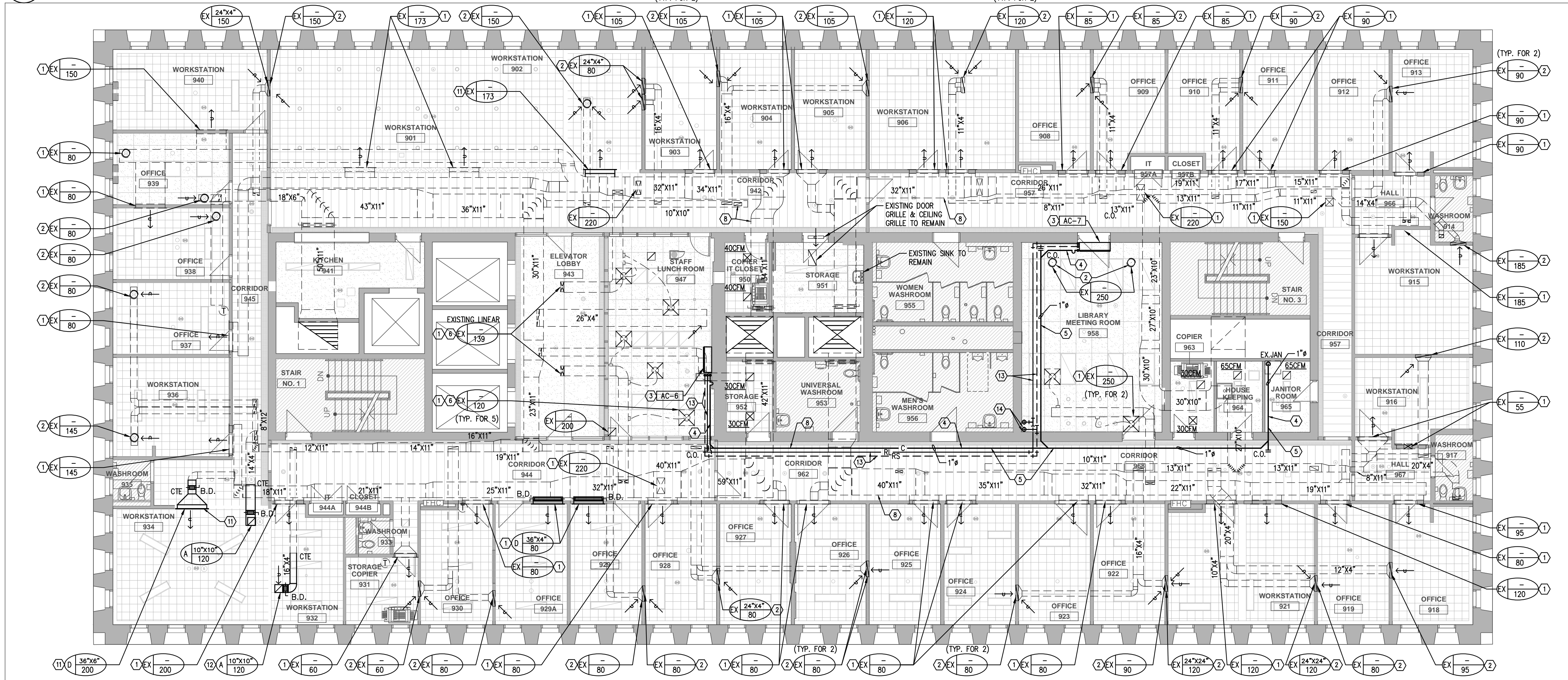
Project Title:
**CAMH 250 COLLEGE STREET
 MOVE CONSOLIDATION -
 INTERIOR RENOVATION
 GROUND, 8TH, 9TH, 10TH & 11TH FLOOR**

Sheet Title:
**MECHANICAL DEMOLITION
 PLAN - 9TH & 10TH FLOOR
 PLAN**

Project North	Stamp
Date: DEC 2022	Project No.: 25136
Scale: 1/8"=1'-0"	Drawn: K.J
Drawing Number:	Checked: G.P.Y

M-203

01 NEW PLAN - EIGHTH FLOOR PLAN
M-300 1/8"=1'-0"



02 NEW PLAN - NINTH FLOOR PLAN
M-300 1/8"=1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL INFORM TO THE MECHANICAL ENGINEER OF ANY DISCREPANCIES PRIOR TO SUBMITTING BID.
2. CONTRACTOR TO COORDINATE WORK ON SITE WITH NEW MECHANICAL, STRUCTURAL AND ELECTRICAL SERVICES IN ORDER TO SUIT NEW INSTALLATION.
3. BALANCE ALL NEW & EXISTING SUPPLY AIR DIFFUSERS, RETURN AIR GRILLES, OUTDOOR AIR TO AIR QUANTITIES INDICATED ON FLOOR PLANS AND MECHANICAL SCHEDULES.
4. ALL NEW REFRIGERANT PIPING ON THE ROOF SHALL BE PROVIDED WITH THERMAL INSULATION, PVC JACKETING AND ALUMINUM JACKETING.
5. ALL REFRIGERANT PIPING SUPPORTS ON ROOF SHALL BE NON-PENETRATING PREMANUFACTURED SUPPORTS SIMILAR TO PHP SYSTEMS AND DESIGN C/W OVERSIZED HANGERS TO ALLOW FOR CONTINUOUS UNINTERRUPTED THERMAL INSULATION AND JACKETING.
6. PROVIDE ALL FIRE STOPPING REQUIRED WHEN PASSING THROUGH FIRE RATED WALLS, FLOORS AND CEILINGS.
7. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL CRANE WORK REQUIRED TO LIFT THE EQUIPMENT ON THE ROOF. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT EXISTING ROOF IS NOT OVERLOADED.
8. CONTRACTOR TO INCLUDE IN HIS FEE ALL COST FOR ROAD CLOSURE PERMIT, LOCAL POLICING, ETC TO ACCOMMODATE THE CRANE STAGING AND EQUIPMENT DELIVERY.
9. BALANCE THE OUTDOOR AIR DAMPER OF MAIN AIR HANDLING UNIT IN THE PENTHOUSE LEVEL IN ORDER TO BRING IN AT LEAST 18% FRESH AIR OF THE TOTAL AIR FLOW.

DRAWING NOTES

1. EXISTING SUPPLY AIR GRILLE TO REMAIN. BALANCE TO AIR QUANTITY AS INDICATED (TYPICAL).
2. EXISTING RETURN AIR GRILLE AT THIS LOCATION AS SHOWN TO REMAIN. BALANCE TO AIR QUANTITY AS INDICATED (TYPICAL).
3. PROVIDE NEW WALL MOUNTED AC UNIT AT THIS LOCATION AS SHOWN C/W CONDENSATE PUMP. PROVIDE ALL NECESSARY REFRIGERANT PIPING FROM AC UNIT TO BRANCH BOX C/W PIPING SUPPORTS AND THERMAL INSULATION, ETC AS REQUIRED.
4. PROVIDE CONDENSATE DRAIN AND TERMINATE DRAIN OVER JANITORS SINK AS SHOWN. NEW PUMPED CONDENSATE DRAIN SHALL BE INSTALLED AS HIGH AS POSSIBLE AND RUN AT 1% SLOPE. PROVIDE ALL REQUIRED P-TRAP & CLEANOUT. PROVIDE 1/2" THICK THERMAL INSULATION.
5. CONTRACTOR TO REMOVE PORTION OF EXISTING CEILING TILES TO ALLOW FOR REFRIGERANT PIPING AND CONDENSATE DRAIN DISTRIBUTION. RE-INSTATE EXISTING CEILING TILE UPON COMPLETION OF WORK. (TYPICAL).
6. PORTABLE AC UNIT PROVIDED BY CAMH. MECHANICAL CONTRACTOR TO PROVIDE CONDENSER EXHAUST AIR DUCT AND CONNECT TO AC EXHAUST AIR OUTLET C/W CLAMPS, AND DUCT FITTING AS REQUIRED. TERMINATE EXHAUST AIR DUCT OPEN END IN CEILING SPACE AND SECURE FLEXIBLE AIR DUCT TO ADJACENT WALLS. COORDINATE EXACT LOCATION ON SITE. PROVIDE WREMHESH SCREEN OVER THE OPENING.
7. PROVIDE NEW CONDENSATE PUMP FOR PORTABLE AC UNIT. PROVIDE CONDENSATE PIPING AND CONNECT TO AC DRAIN CONNECTION. DISTRIBUTE CONDENSATE DRAIN AND TERMINATE OVER EXISTING JANITOR SINK AS SHOWN.
8. ALL EXISTING DUCTWORK AS SHOWN IS APPROXIMATE AND INFORMATION ONLY. CONTRACTOR TO VERIFY EXACT LOCATION ON SITE. (TYPICAL).
9. PROVIDE NEW RETURN AIR DUCT AND CONNECT TO EXISTING AS SHOWN. MAKE ALLOWANCE FOR ALL DUCTWORK AND PIPING TO ROUTE AROUND EXISTING COMPONENTS IN CEILING SPACE. COORDINATE EXACT LOCATION ON SITE. (TYPICAL).
10. PROVIDE NEW RETURN GRILLE C/W PLENUM.
11. REINSTALL EXISTING SUPPLY AIR GRILLE IN EXISTING LOCATION. MODIFY AND EXTEND SUPPLY AIR DUCT TO SUIT TO SUPPLY AIR GRILLE C/W PLENUM. CONTRACTOR TO VERIFY DUCT SIZE ON SITE. EXISTING DAMPER IS TO REMAIN.
12. PROVIDE NEW SUPPLY AIR DIFFUSER AT THIS LOCATION AS SHOWN. PROVIDE NEW DUCTWORK & CONNECT TO EXISTING MAIN IN THE CORRIDOR. PROVIDE NEW BALANCING DAMPER. COORDINATE WITH GENERAL TRADES FOR ALL CEILING REMOVAL, DRYWALL CUTTING & PATCHING REQUIRED.
13. NEW REFRIGERANT PIPING C/W THERMAL INSULATION IN THE CEILING SPACE. PROVIDE ADDITIONAL REFRIGERANT GAS AS REQUIRED. EXPANSION LOOPS, REFRIGERANT GAS TRAP ETC AS PER MANUFACTURER RECOMMENDATIONS.
14. NEW REFRIGERANT PIPING FROM 10TH FLOOR TO DROP DOWN TO 9TH FLOOR AT THIS LOCATION AS SHOWN. COORDINATE WORK ON SITE WITH OTHER SERVICES. PROVIDE FIRE STOPPING WHEN PENETRATING FLOOR. OFFSET REFRIGERANT LINES AT HIGH LEVEL INSIDE PLUMBING CHASE.

NOTE:

1. CONTRACTOR TO BALANCE ALL EXISTING SUPPLY AIR GRILLES & RETURN AIR GRILLES TO AIR QUANTITIES INDICATE ON THE FLOOR PLAN.
2. CONTRACTOR TO BALANCE OUTDOOR AIR DAMPER TO MINIMUM 18% OF TOTAL AIRFLOW FOR THE MAIN AHU UNITS AT MECHANICAL PENTHOUSE.
3. CONTRACTOR TO PROVIDE ALL REQUIRED SCANNING AND/OR X-RAY OF CONCRETE FLOORS AND WALLS WHERE NEW PIPING & DUCTWORK IS INDICATED TO GO THROUGH. SUBMIT REPORT & FINDINGS TO CONSULTANTS FOR REVIEW & APPROVAL.

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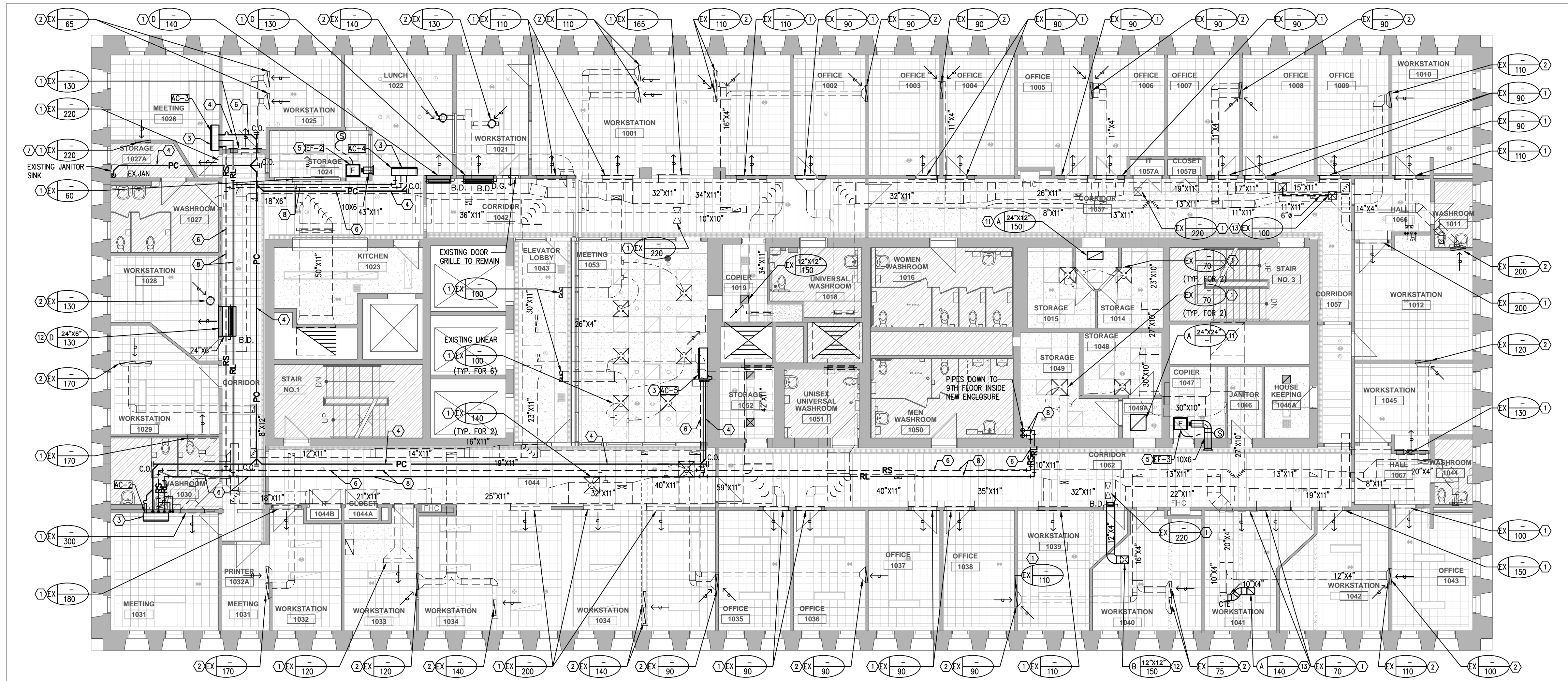
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CAMH
CENTRE FOR ADDICTION
AND MENTAL HEALTH

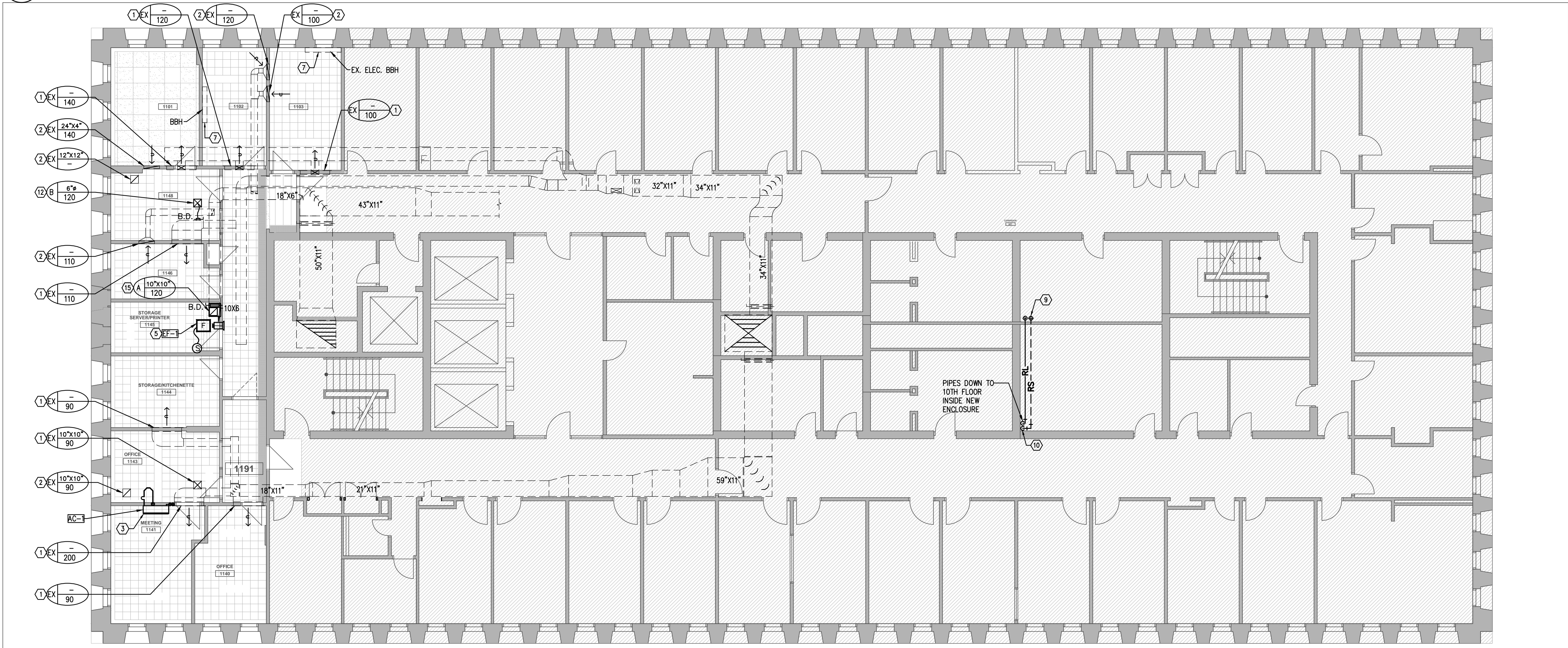
Project Title:
CAMH 250 COLLEGE STREET
MOVE CONSOLIDATION -
INTERIOR RENOVATION
GROUND, 8TH, 9TH, 10TH & 11TH FLOOR

Sheet Title:
MECHANICAL NEW PLAN -
8TH & 9TH FLOOR

Project North	Stamp
Date: DEC 2022	Project No.: 25136
Scale: 1/8"=1'-0"	Drawn: K.J.
Drawing Number:	Checked: G.P.Y.



01 NEW PLAN - TENTH FLOOR PLAN
M-301 1/8"=1'-0"



02 NEW PLAN - ELEVENTH FLOOR PLAN
M-301 1/8"=1'-0"

GENERAL NOTES

- CONTRACTOR SHALL INFORM TO THE MECHANICAL ENGINEER OF ANY DISCREPANCIES PRIOR TO SUBMITTING BID.
- CONTRACTOR TO COORDINATE WORK ON SITE WITH NEW MECHANICAL, STRUCTURAL AND ELECTRICAL SERVICES IN ORDER TO SUIT NEW INSTALLATION.
- BALANCE ALL NEW & EXISTING SUPPLY AIR DIFFUSERS, RETURN AIR GRILLES, OUTDOOR AIR TO AIR QUANTITIES INDICATED ON FLOOR PLANS AND MECHANICAL SCHEDULES.
- ALL NEW REFRIGERANT PIPING ON THE ROOF SHALL BE PROVIDED WITH THERMAL INSULATION, PVC JACKETING AND ALUMINUM JACKETING.
- ALL REFRIGERANT PIPING SUPPORTS ON ROOF SHALL BE NON-PENETRATING PREMANUFACTURED SUPPORTS SIMILAR TO PHP SYSTEMS AND DESIGN C/W OVERSIZED HANGERS TO ALLOW FOR CONTINUOUS UNINTERRUPTED THERMAL INSULATION AND JACKETING.
- PROVIDE ALL FIRE STOPPING REQUIRED WHEN PASSING THROUGH FIRE RATED WALLS, FLOORS AND CEILING.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL CRANE WORK REQUIRED TO LIFT THE EQUIPMENT ON THE ROOF. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT EXISTING ROOF IS NOT OVERLOADED.
- CONTRACTOR TO INCLUDE IN HIS FEE ALL COST FOR ROAD CLOSURE PERMIT, LOCAL POLICING, ETC TO ACCOMMODATE THE CRANE STAGING AND EQUIPMENT DELIVERY.
- BALANCE THE OUTDOOR AIR DAMPER OF MAIN AIR HANDLING UNIT IN THE PENTHOUSE LEVEL IN ORDER TO BRING IN AT LEAST 18% FRESH AIR OF THE TOTAL AIR FLOW.

DRAWING NOTES

- EXISTING SUPPLY AIR GRILLE TO REMAIN. BALANCE TO AIR QUANTITY AS INDICATED (TYPICAL).
- EXISTING RETURN AIR GRILLE AT THIS LOCATION AS SHOWN TO REMAIN. (TYPICAL) BALANCE TO AIR QUANTITIES INDICATED.
- PROVIDE NEW WALL MOUNTED AC UNIT AT THIS LOCATION AS SHOWN C/W CONDENSATE PUMP. PROVIDE ALL NECESSARY REFRIGERANT PIPING FROM AC UNIT C/W PIPING SUPPORTS AND THERMAL INSULATION, ETC AS REQUIRED.
- PROVIDE CONDENSATE DRAIN AND TERMINATE DRAIN OVER JANITOR SINK AS SHOWN. NEW PUMPED CONDENSATE DRAIN SHALL BE INSTALLED AS HIGH AS POSSIBLE AND RUN AT 1% SLOPE. PROVIDE ALL REQUIRED P-TRAP & CLEANOUT. PROVIDE 1/2" THICK THERMAL INSULATION.
- PROVIDE CEILING MOUNTED EXHAUST FAN AT THIS LOCATION AS SHOWN C/W WALL MOUNTED STARTER. PROVIDE NEW DUCTWORK AND TERMINATE IN THE CEILING SPACE C/W BELL MOUTH OPEN END DUCT. PROVIDE WIRE MESH SCREEN OVER THE OPENING.
- CONTRACTOR TO REMOVE PORTION OF EXISTING CEILING TILES TO ALLOW FOR REFRIGERANT PIPING AND CONDENSATE DRAIN DISTRIBUTION. RE-INSTATE EXISTING CEILING TILE UPON COMPLETION OF WORK.
- EXISTING ELECTRIC BASE BOARD HEATER AT THIS LOCATION AS SHOWN TO REMAIN.
- NEW REFRIGERANT PIPING C/W THERMAL INSULATION IN THE CEILING SPACE. PROVIDE ADDITIONAL REFRIGERANT GAS AS REQUIRED, EXPANSION LOOPS, REFRIGERANT GAS TRAP ETC AS PER MANUFACTURER RECOMMENDATIONS.
- NEW REFRIGERANT PIPING FROM 12TH FLOOR TO DROP DOWN TO 11TH FLOOR AT THIS LOCATION AS SHOWN. COORDINATE WORK ON SITE WITH OTHER SERVICES. PROVIDE FIRE STOPPING WHEN PENETRATING FLOOR. OFFSET REFRIGERANT LINES AT HIGH LEVEL CEILING.
- NEW REFRIGERANT PIPING FROM 11TH FLOOR DOWN TO 10TH FLOOR AT THIS APPROXIMATE LOCATION AS SHOWN. COORDINATE WORK ON SITE WITH OTHER SERVICES. PROVIDE FIRE STOPPING WHEN PENETRATING FLOOR.
- PROVIDE NEW RETURN AIR GRILLE IN CEILING. COORDINATE WORK TO SUIT EXISTING CEILING TYPE. PROVIDE GRILLE FRAME WHERE REQUIRED.
- PROVIDE NEW SUPPLY AIR DIFFUSER AT THIS LOCATION AS SHOWN. PROVIDE NEW DUCTWORK & CONNECT TO EXISTING MAIN IN THE CORRIDOR. PROVIDE NEW BALANCING DAMPER. COORDINATE WITH GENERAL TRADES FOR ALL CEILING REMOVAL, DRYWALL CUTTING & PATCHING REQUIRED.
- NEW REFRIGERANT PIPING C/W THERMAL INSULATION IN THE CEILING SPACE. PROVIDE ADDITIONAL REFRIGERANT GAS AS REQUIRED, EXPANSION LOOPS, REFRIGERANT GAS TRAP ETC AS PER MANUFACTURER RECOMMENDATIONS.
- EXISTING SUPPLY AIR GRILLE IN CORRIDOR TO REMAIN. CONNECT EXISTING GRILLE TO EXISTING DUCTWORK AND CAP EXISTING OPENING IN CEILING SPACE. PROVIDE NEW BALANCING DAMPER, PLENUM BOX OVER DIFFUSER AS REQUIRED.
- PROVIDE NEW RETURN AIR GRILLE AND CONNECT TO EXISTING DUCTWORK. PROVIDE NEW DUCT TO CONNECT TO GRILLE C/W BALANCING DAMPER.

NOTE:

- CONTRACTOR TO BALANCE ALL EXISTING SUPPLY AIR GRILLES & RETURN AIR GRILLES TO AIR QUANTITIES INDICATED ON THE FLOOR PLAN.
- CONTRACTOR TO BALANCE OUTDOOR AIR DAMPER TO MINIMUM 18% OF TOTAL AIRFLOW FOR THE MAIN AHU UNITS AT MECHANICAL PENTHOUSE.

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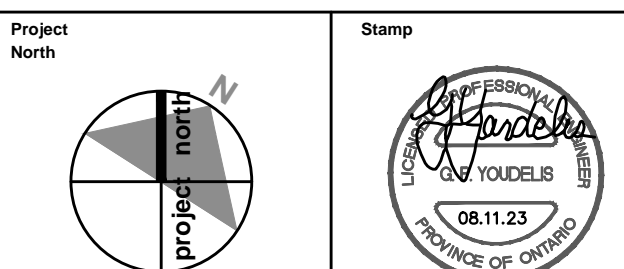
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Client:

CAMH CENTRE FOR ADDICTION AND MENTAL HEALTH

Project Title: CAMH 250 COLLEGE STREET MOVE CONSOLIDATION - INTERIOR RENOVATION GROUND, 8TH, 9TH, 10TH & 11TH FLOOR

Sheet Title: MECHANICAL NEW PLAN - 10TH & 11TH FLOOR

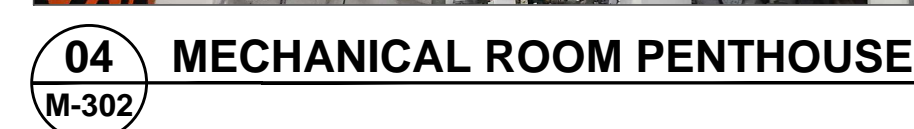


Date: **DEC 2022** Project No.: **25136**

Scale: 1/8"=1'-0" Drawn: **K.J** Checked: **G.P.Y**

Drawing Number:

M-301



- ## DRAWING NOTES
- ① NEW VRF CU UNIT AT THIS APPROXIMATE LOCATION. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR THE EXACT DIMENSIONS AND LOCATION OF THE CU UNIT. INSTALL CU UNIT ABOVE NON-PENETRATING PREFABRICATED STAND AS REQUIRED. PROVIDE CONCRETE PATIO STONE UNDER THE SUPPORTS. REFER TO DETAILS. INTERFACE VRF CONDENSING UNITS TO NEW VRF SYSTEM CENTRAL CONTROLLER. ADJUST ALL THERMOSTAT FOR OCCUPIED AND UNOCCUPIED HOURS AS PER END USER REQUIREMENT.
 - ② EXISTING ROOF MOUNTED EQUIPMENT TO REMAIN. CONTRACTOR TO COORDINATE THE LOCATION OF THE NEW CU UNIT ON THE ROOF WITH EXISTING SERVICES AND MAINTAIN PROPER CLEARANCES AS REQUIRED.
 - ③ NEW REFRIGERANT PIPING ON THE ROOF C/W 2" THICK THERMAL INSULATION, PVC JACKETING AND ALUMINUM COVERING. PROVIDE NON-PENETRATING PREFABRICATED SUPPORTS SIMILAR TO PHP SYSTEMS AND DESIGN C/W OF THE CU UNIT. ALLOW SPACE FOR CONTINUOUS UNINTERRUPTED THERMAL INSULATION AND JACKETING.
 - ④ NEW REFRIGERANT PIPING PENETRATES EXTERIOR WALL AT THIS APPROXIMATE LOCATION AS SHOWN. PROVIDE OVERSIZE SUPPORTS IN ORDER TO ACHIEVE CONTINUOUS THERMAL INSULATION OF PIPES LOCATED OUTDOORS. CONTRACTOR TO COORDINATE WORK ON SITE IN ORDER TO AVOID INTERFERENCES WITH CONDUNTS AT EXTERIOR WALL LOCATED OUTDOORS & COMPRESSED AIR DRYER LOCATED INDOORS WHEN PENETRATING WALL.
 - ⑤ NEW REFRIGERANT PIPING RUNNING IN THE MECHANICAL ROOM AT HIGH LEVEL & BELOW EXISTING PIPES, AND DROPPING DOWN ALONG WALL AS SHOWN TO EXISTING PLUMBING SHAFT BELOW. CONTRACTOR TO COORDINATE EXACT PIPE ROUTING ON SITE WITH OTHER SERVICES ON ORDER TO SUIT SITE CONDITIONS. CONTRACTOR SHALL ALLOW FOR ALL PIPING OFFSET REQUIRED.
 - ⑥ SECURE PIPING FROM STRUCTURAL ELEMENTS ABOVE AND/OR WALL SUPPORTS TO SUIT SITE CONDITIONS AND AVOID INTERFERENCES.
 - ⑦ PROVIDE PIPE SLEEVE & APPLY INSULATION/ WEATHER TACK CAULKING AT PIPE PENETRATION.
 - ⑧ PROVIDE FLOOR SCANNING/ X-RAY PRIOR TO CORE DRILL FOR NEW REFRIGERANT PIPING. PROVIDE FIRE STOPPING AT FLOOR PENETRATION. COORDINATE PENETRATION LOCATION WITH OTHER SERVICES ON THE 12TH FLOOR.
 - ⑨ PROVIDE FLOOR SCANNING/ X-RAY PRIOR TO CORE DRILL FOR NEW REFRIGERANT PIPING. PROVIDE FIRE STOPPING AT FLOOR PENETRATION. COORDINATE PENETRATION LOCATION WITH OTHER SERVICES ON THE 11TH FLOOR.
 - ⑩ NEW REFRIGERANT PIPING INSIDE BUILDING SHALL BE PROVIDED WITH 1" THICK THERMAL INSULATION & PVC JACKETING AT EXPOSED AREAS. PROVIDE OVERSIZED HANGERS IN ORDER TO MAINTAIN A CONTINUOUS THERMAL INSULATION.

- NOTE:
1. CONTRACTOR TO BALANCE OUTDOOR AIR DAMPER AT THE MAIN AHU UNITS TO MINIMUM 18% OF TOTAL AIRFLOW FOR THE MAIN AHU UNITS AT MECHANICAL PENTHOUSE.
 2. CONTRACTOR TO PROVIDE ALL REQUIRED SCANNING AND/OR X-RAY OF CONCRETE FLOORS AND WALLS WHERE NEW PIPING & DUCTWORK IS INDICATED TO GO THROUGH. SUBMIT REPORT & FINDINGS TO CONSULTANTS FOR REVIEW & APPROVAL.

8	.	.
7	.	.
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5	.	.
4	.	.
3	REVISED AS PER ADDENDUM M-1	2023-08-31
2	ISSUED FOR PERMIT	2023-08-11
1	ISSUED FOR TENDER	2023-08-01
NO	ACTION	DY MO YR

Client:

**CAMH
CENTRE FOR ADDICTION
AND MENTAL HEALTH**



Project Title: _____

**CAMH 250 COLLEGE STREET
MOVE CONSOLIDATION -**

INTERIOR RENOVATION
GROUND, 8TH, 9TH, 10TH & 11TH FLOOR

Sheet Title:

ROOF & PENTHOUSE LEVEL
PLAN

<p>Project North</p> 	<p>Stamp</p> 	
<p>Date: DEC 2022</p>	<p>Project No.: 25136</p>	
<p>Scale: $1/8" = 1'-0"$</p>	<p>Drawn: G.J</p>	<p>Checked: G.P.Y</p>

Drawing Number:

M-302