

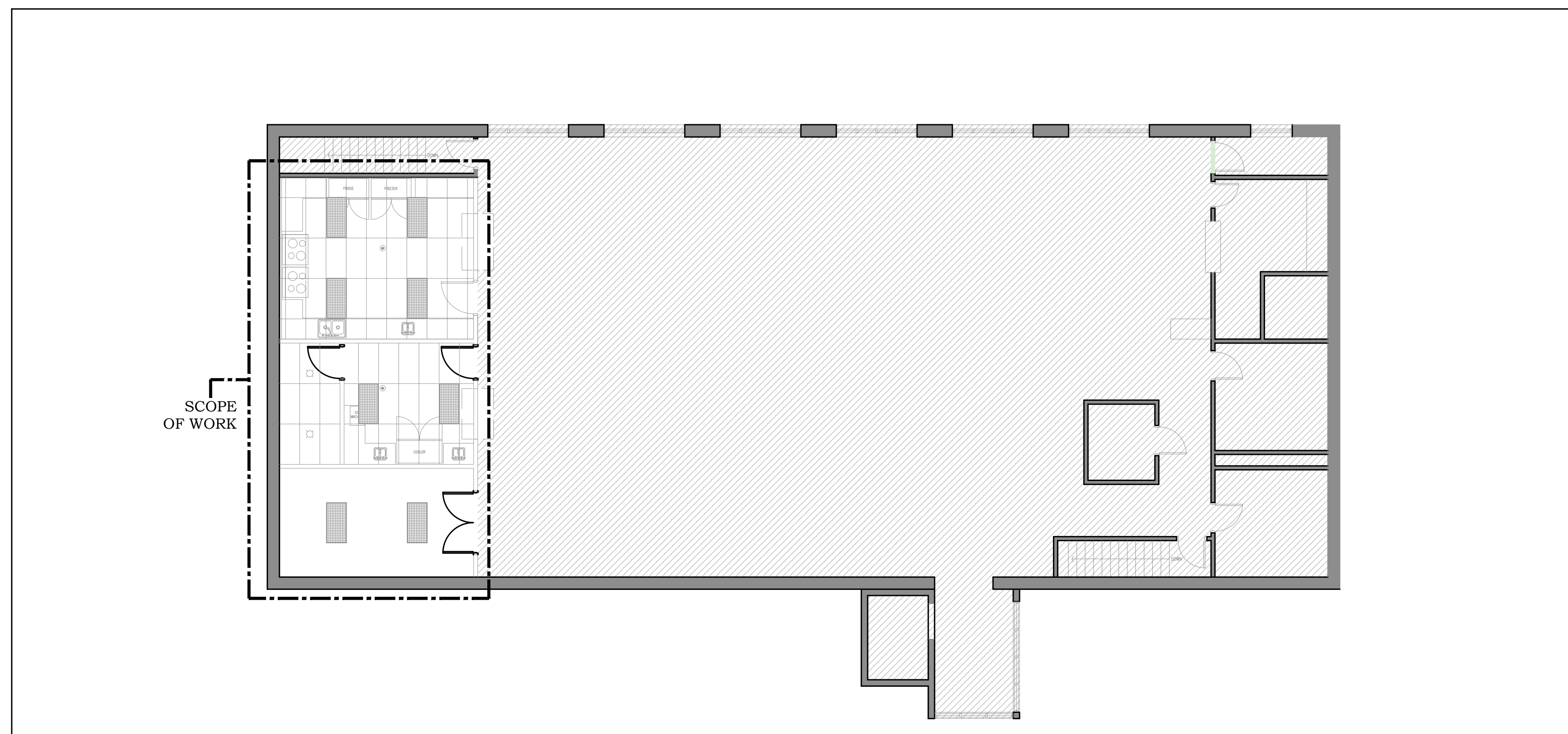
TOWNSHIP OF BROCK

BROCK

176 MAIN STREET
BEAVERTON, ONTARIO

MECHANICAL DRAWINGS

DRAWING LIST			
NUMBER	DESCRIPTION	NUMBER	DESCRIPTION
M-1	COVER SHEET	P-1	DEMOLITION AND NEW PLUMBING AND DRAINAGE PLAN
M-2	SPECIFICATIONS SHEET NO. 1	M-5	DETAILS SHEET NO. 1
M-3	SPECIFICATIONS AND LEGEND SHEET NO. 2	M-6	EQUIPMENT SCHEDULES SHEET NO. 1
M-4	DEMOLITION AND NEW HVAC PLAN		



KEY PLAN
SCALE: N.T.S.


NO.	ISSUES	DATE	BY
01	ISSUED FOR PERMIT	2024.10.25	J.I.

NO.	REVISIONS	DATE	BY

DISCLAIMER
This drawing is the property of IANUZZIELLO & ASSOCIATES INC. This drawing shall be read in conjunction with the architectural, structural, mechanical and all other consultant's drawings prior to proceeding with the work. Do not scale the drawings.
The contractor is to verify and accept responsibility for all dimensions and conditions on site and must notify IANUZZIELLO & ASSOCIATES INC. of any variations from the drawings.

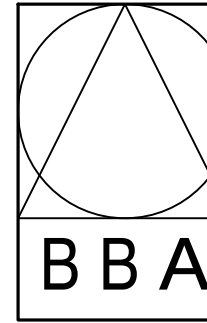
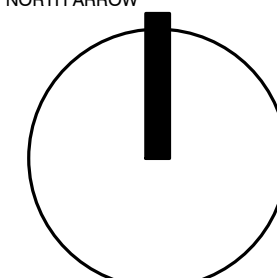
CONSULTANT

IANUZZIELLO & ASSOCIATES INC.
305 MILNER AVENUE, SUITE 215
TORONTO, ONTARIO, M1B 3V4
TEL: (416) 609-8570
FAX: (416) 609-0702
E-mail: info@ianuzziello.com

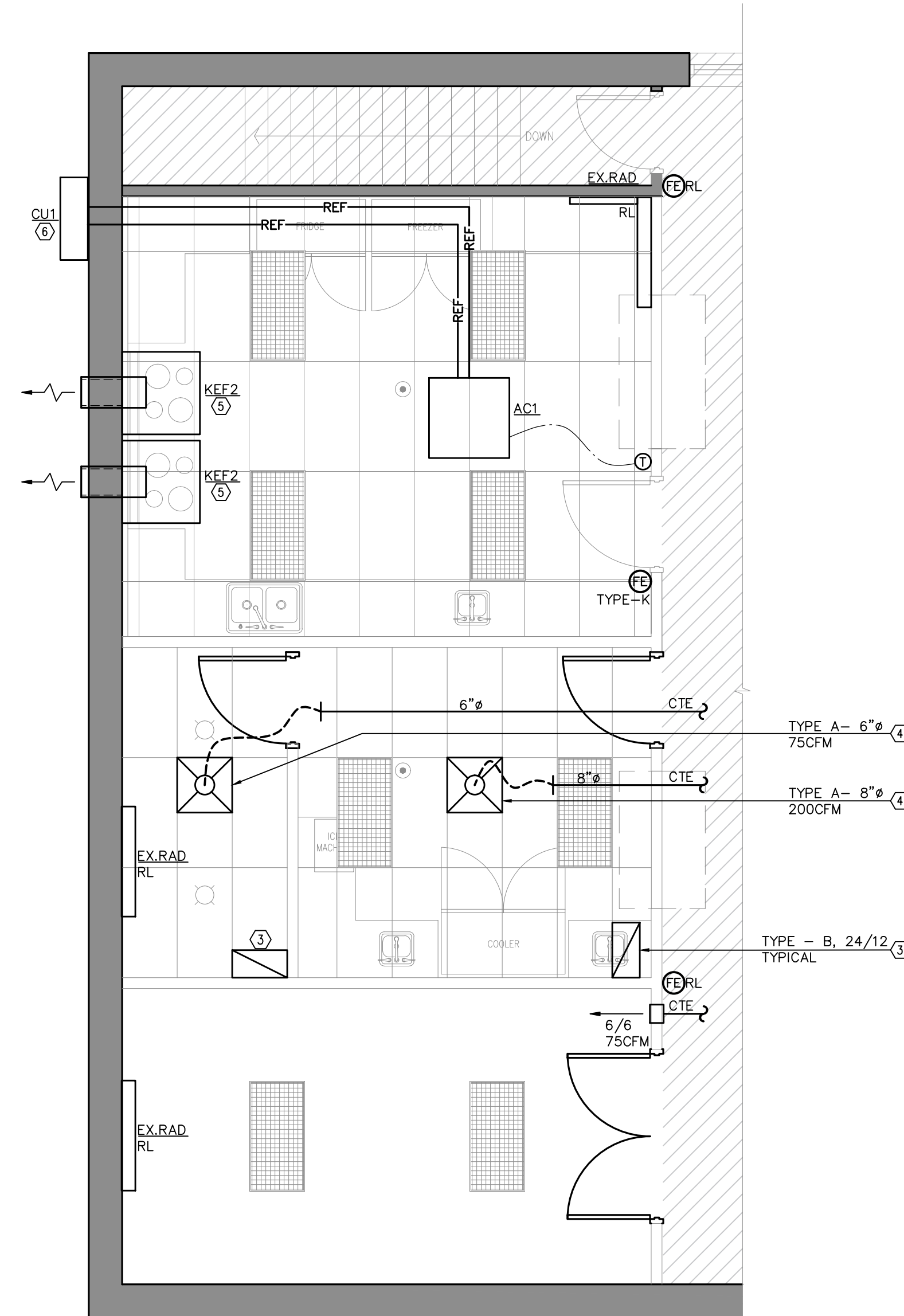
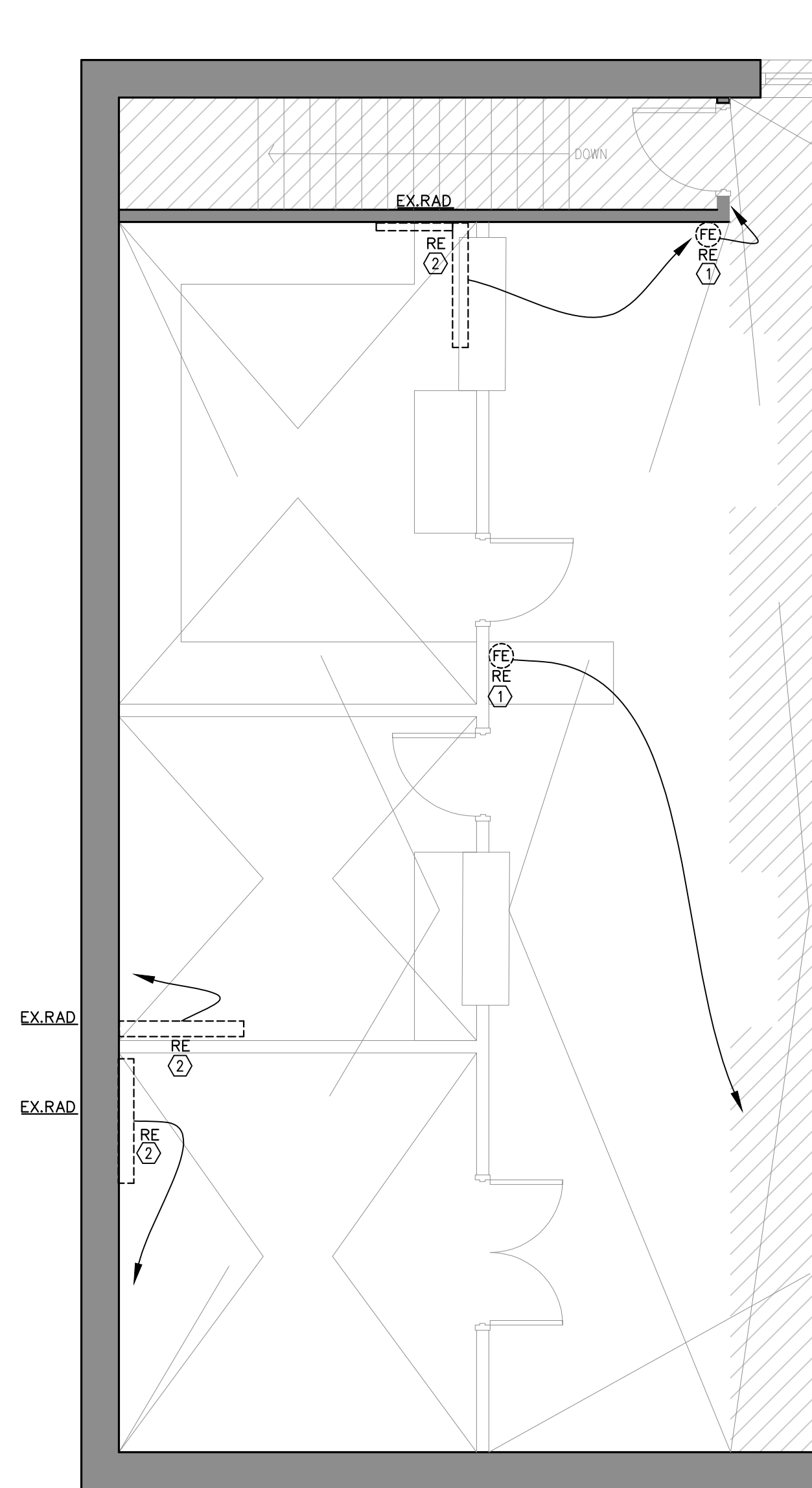
STAMP


PROJECT:
TOWNSHIP OF BROCK
176 MAIN STREET
BEAVERTON, Ontario
LOK 1A0

DRAWING:
COVER SHEET

 B B A BARRY BRYAN ASSOCIATES <i>Architects Engineers Project Managers</i>	DESIGN BY: J.I. DRAWN BY: T.Y. CHECKED BY: J.I.	DATE: OCTOBER 2024 SCALE: N.T.S.	DOC CONTROL: DATE: INITIAL: FILE: 24249-TOWNSHIP OF BROCK	
	201-250 Water Street Whitby Ontario L1N 0G5 Tel: (905) 666-5252 Fax: (905) 666-8258 email: info@bbaworking.com	PROJECT NO: 24249	DRAWING NO: M-1	NORTH ARROW 

PROJECT NO: 24249
DRAWING NO: M-1



GENERAL HVAC NOTES

- DO NOT SCALE DRAWINGS. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR SPECIFIED THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE SITE CONDITIONS. REVIEW ALL REVISIONS WITH THE CONSULTANT.
- FLOOR PLANS SHALL BE READ IN CONJUNCTION WITH SCHEMATICS. INFORMATION SHOWN ON FLOOR PLANS SHALL BE ASSUMED TO BE APPLICABLE TO THE RELATED SYSTEM SCHEMATIC AND VICE-VERSA TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
- REMOVED ALL EQUIPMENT AS INDICATED AND ITS ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. REPAIR AND REPAIR ALL EXISTING HOLES AND PENETRATIONS TO MATCH EXISTING.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF GRILLES AND DIFFUSERS.
- COORDINATE FINAL LOCATION WITH THE ARCHITECT WITHIN 1000MM (40 IN) OF LOCATION SHOWN. ALL RELOCATIONS OUTSIDE OF THIS RANGE SHALL BE REVIEWED WITH THE CONSULTANT.
- TEMPERATURE SENSORS SHALL MATCH ELEVATION OF LIGHT SWITCHES ABOVE THE FINISHED FLOOR UNLESS INDICATED OTHERWISE.
- DIFFUSER DUCT RUN-OUTS SHALL BE THE SAME SIZE AS THE DIFFUSER INLETS UNLESS INDICATED OTHERWISE.
- CONTRACTOR SHALL INCLUDE IN THE TENDER PRICE A PRE-BALANCING REPORT FOR EXISTING HVAC SYSTEM SERVING THE SPACE(S) WITHIN THE SCOPE OF WORK. COMPLETE WITH INFORMATION SUCH AS STATIC PRESSURE, AIR VELOCITIES, OUTDOOR/SUPPLY/RETURN AIR QUANTITIES, HEAT PUMP WATER FLOW RATES, DISCREPANCIES (IF ANY), AND DEFICIENCIES (IF ANY) FOR ALL COMPONENTS OF THE EXISTING HVAC SYSTEM SUCH AS AIR HANDLING UNITS, PERIMETER INDUCTION UNITS, FAN, DUCTWORK, AND DIFFUSERS. THE REPORT IS TO BE SUBMITTED FOR ENGINEER'S REVIEW PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL INCLUDE IN THE TENDER PRICE AN INSPECTION AND SERVICING OF ALL EXISTING ROOF TOP UNITS WITHIN THE SCOPE OF WORK. CONTRACTOR SHALL INCLUDE IN THE TENDER PRICE ALL COSTS ASSOCIATED WITH THE REPLACEMENT OF FANS, MOTORS, PULLEYS, SHEAVES, HYDRONIC PIPING, CONTROL VALVES, THERMOSTATS, CONTROLS, CONTROL WIRING, AIR FILTERS AND ALL ASSOCIATED ACCESSORIES. CONTRACTOR SHALL INCLUDE IN THE TENDER PRICE THE FLUSHING AND CLEANING OF ALL HYDRONIC PIPING WITHIN THE SCOPE OF WORK, AND TO ALLOW FOR ALL HYDRONIC BALANCING AS REQUIRED TO BASE BUILDING REQUIREMENTS.
- UPDATE EXISTING BUILDING AUTOMATION CONTROL SYSTEM GRAPHICS TO REFLECT CHANGES IN HEAT PUMP UNITS AND ASSOCIATED TEMPERATURE SENSOR LOCATIONS AS REQUIRED. COORDINATE THIS WORK WITH BUILDING MANAGEMENT.

DEMOLITION & NEW HVAC DRAWING NOTES

- EXISTING FIRE EXTINGUISHER TO BE RELOCATED. TYPICAL OF TWO.
- EXISTING RADIATOR TO BE RELOCATED. RECONNECT HEDONIC PIPING TO RELOCATED RADIATOR.
- PROVIDE NEW RETURN AIR GRILLES AS SPECIFIED. REFER TO DETAILS FOR INSTALLATION. TYPICAL.
- PROVIDE NEW SQUARE AIR DIFFUSER OF SIZE AND TYPE INDICATED. PROVIDE NEW FLEXIBLE/RIGID DUCT (DUCT SIZE TO MATCH DIFFUSER NECK SIZE). BALANCE TO AIR QUANTITY SHOWN. TYPICAL.
- PROVIDE NEW KITCHEN EXHAUST HOOD. AS SPECIFIED. UNIT TO BE MOUNTED AS PER DETAILS.
- PROVIDE NEW CONDENSER UNIT AS SPECIFIED AT H/L AND TIGHT TO STRUCTURAL COLUMN. UNIT TO BE C/W WALL BRACKET AS REQUIRED. PROVIDE NEW REFRIGERANT PIPING. SIZE PIPING AS PER MANUFACTURER'S RECOMMENDATION. EXACT ROUTING OF REFRIGERANT PIPING TO BE COORDINATED ON SITE WITH OTHER TRADES/SERVICES. POWER CONNECTION BY ELECTRICAL DIVISION.

NO.	ISSUES	DATE	BY
01	ISSUED FOR PERMIT	2024.10.25	J.I.

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

DISCLAIMER
 This drawing is the property of IANUZZIELLO & ASSOCIATES INC. This drawing shall be read in conjunction with the architectural, structural, mechanical and all other consultant's drawings prior to proceeding with the work. Do not scale the drawings.
 The contractor is to verify and accept responsibility for all dimensions and conditions on site and must notify IANUZZIELLO & ASSOCIATES INC. of any variations from the drawings.

CONSULTANT

IANUZZIELLO & ASSOCIATES INC.
 305 MILNER AVENUE, SUITE 215
 TORONTO, ONTARIO, M1B 3V4
 TEL: (416) 609-8570
 FAX: (416) 609-0702
 E-mail: info@ianuzziello.com

STAMP

PROJECT:
TOWNSHIP OF BROCK
 176 MAIN STREET
 BEAVERTON, Ontario
 L0K 1A0

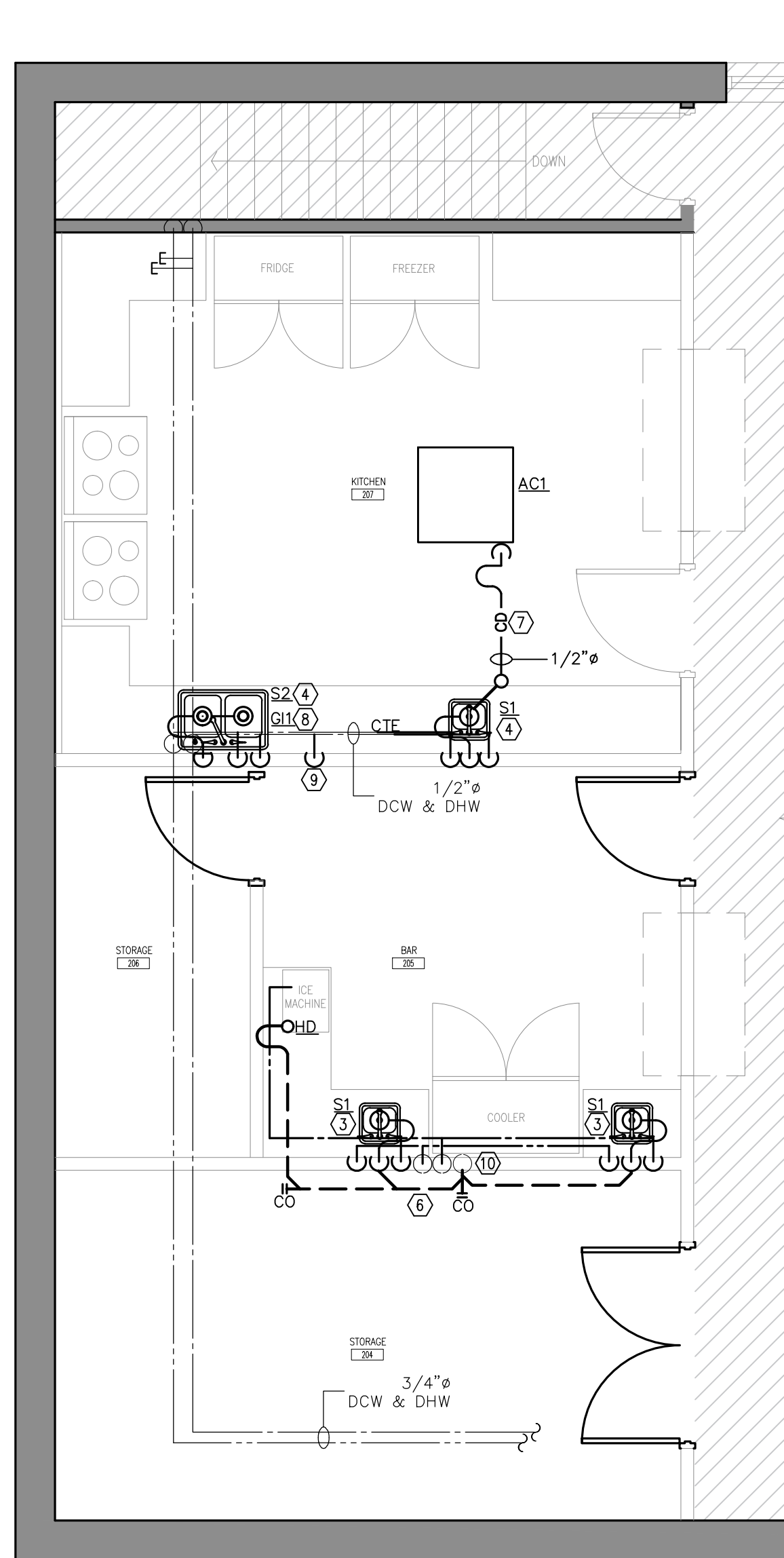
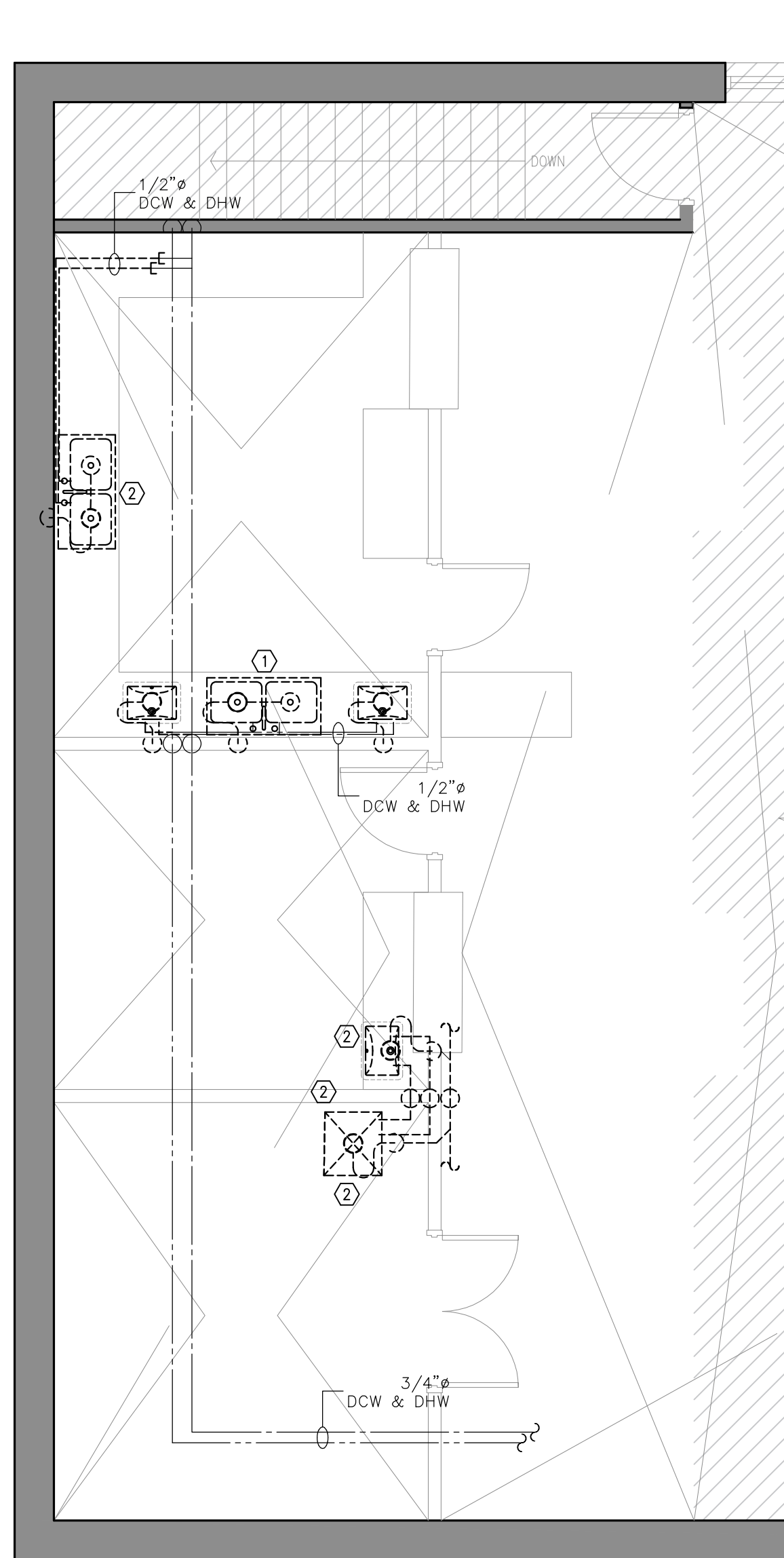
DRAWING:
DEMOLITION & NEW HVAC PLAN

BARRY BRYAN ASSOCIATES
 Architects
 Engineers
 Project Managers

201-250 Water Street
 Whitby Ontario L1N 0G5
 Tel: (905) 666-5252
 Fax: (905) 666-8258
 email: bba@bbaworking.com

DESIGN BY: J.I.
 DRAWN BY: T.Y.
 CHECKED BY: J.I.
 DATE: OCTOBER 2024
 SCALE: 1/4" = 1'-0"
 FILE: 24249.TOWNSHIP OF BROCK

PROJECT NO: **24249**
 DRAWING NO: **M-4**



- GENERAL PLUMBING AND DRAINAGE NOTES**
- DO NOT SCALE DRAWINGS. THE LOCATION OF ALL ITEMS SHOWN ON THE DRAWINGS OR SPECIFIED THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE SITE CONDITIONS, REVIEW ALL REVISIONS WITH THE CONSULTANT.
 - FLOOR PLANS SHALL BE READ IN CONJUNCTION WITH SCHEMATICS. INFORMATION SHOWN ON FLOOR PLANS SHALL BE ASSUMED TO BE APPLICABLE TO THE RELATED SYSTEM SCHEMATIC AND VICE-VERSA TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
 - COORDINATE ALL MECHANICAL, SITE SERVICES, PIPING, AND EQUIPMENT WITH ALL OTHER DIVISIONS.
 - ALL BRANCH PIPING SHALL BE EQUIPPED WITH SHUT-OFF VALVES. PROVIDE ISOLATION VALVES AT ALL FIXTURES.
 - ALL CLEANOUTS AND ISOLATION VALVES AND EQUIPMENT INSTALLED IN CEILING SPACE NOT ACCESSIBLE, THE CEILING SHALL BE ACCESSIBLE VIA AN ACCESS HATCH.
 - CONTRACTOR TO FIELD LOCATE ALL EXISTING PLUMBING SERVICES.
 - LAYOUT INDICATED ON THIS DRAWINGS IS DIAGRAMMATIC AND IDENTIFIES THE DESIGN INTENT ONLY.
 - THE MECHANICAL CONTRACTOR SHALL EXAM THE SITE PRIOR TO BID SUBMISSION.
 - REMOVE, CAP AND SEAL ALL PLUMBING CONNECTIONS THAT ARE NOT TO BE REUSED IN THIS CONTRACT.
 - PROVIDE PIPE SLEEVES FOR ALL PENETRATIONS THROUGH WALLS AND FLOORS. PACK AND SEAL OPENINGS WITH APPROVED FIRE PROOFING MATERIAL AS DIRECTED BY ARCHITECT.
 - PROVIDE SHUT OFF VALVE AT EACH WATER CONNECTION TO FIXTURES.
 - CONTRACTOR TO FIELD LOCATE ALL EXISTING SERVICES THAT ARE REQUIRE FOR THIS PROJECT.
 - PROVIDE INSULATION FOR ALL DCW/DHW PIPING. PROVIDE PVC RECOVERY JACKET FOR ALL PIPING IN EXPOSE AREA'S.
 - ALL FLOOR DRAINS/HUB DRAINS SHALL BE COMPLETE WITH TRAPS AND TRAP PRIMERS IN COMPLIANCE WITH OBC.
 - SLAB CUTTING/CORE AND FLOOR REPAIR RELATED TO PLUMBING WORK SHALL BE BY GENERAL CONTRACTOR.
 - PLUMBING DEMOLITION WORK INCLUDING SHUT DOWN OF PLUMBING SERVICES SHALL BE COORDINATED WITH THE BUILDING MANAGEMENT. INCLUDE FOR ALL RELATED COST IN TENDER PRICE INCLUDING AFTER HOURS WORK.
 - REMOVE ALL ABANDONED PLUMBING SERVICES WHICH ARE NOT GOING TO BE REUSED.

- DEMOLITION & NEW PLUMBING & DRAINAGE DRAWING NOTES**
- DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE. PROVIDE TEMPORARY CAPS ON ALL EXISTING PLUMBING, DRAINAGE AND VENT SERVICES IN THIS CEILING AND/OR CEILING SPACE OF FLOOR BELOW READY FOR RECONNECTION. DISPOSE OF EXISTING PLUMBING FIXTURE ON SITE.
 - REMOVE ALL PLUMBING FIXTURES. CUT AND CAP ALL PLUMBING, SANITARY AND VENT IN CEILING SPACE AND/OR CEILING SPACE OF FLOOR BELOW BACK TO MAIN. DEMOLISH FIXTURES ON SITE. EXACT PIPEWORK TO BE VERIFIED ON SITE. TYPICAL.
 - RUN NEW 1/2" DCW/DHW TO SINK. RUN NEW 2" SANITARY DRAIN AND 1-1/4" SANITARY VENT FROM SINK/LAVATORY. RUN ALL VERTICAL PIPING IN WALL CAVITY. EXACT ROUTING OF PIPING TO BE COORDINATED ON SITE WITH OTHER TRADES/SERVICES. TYPICAL.
 - PROVIDE NEW PLUMBING FIXTURES AS SPECIFIED. RECONNECT ALL EXISTING PLUMBING, DRAIN AND VENT SERVICES TO NEW PLUMBING FIXTURE. MAKE MODIFICATION AND ADJUSTMENT TO EXISTING PLUMBING SERVICES AS REQUIRED TO SUIT NEW PLUMBING FIXTURE. CHECK AND VERIFY LOCATION OF EXISTING WATER SERVICES, DRAIN AND VENT SERVICES PRIOR TO TENDER CLOSING.
 - PROVIDE NEW SANITARY DRAIN IN CEILING SPACE OF FLOOR BELOW OF SIZE INDICATED. RUN PIPEWORK AS SHOWN. CONNECT TO NEAREST SANITARY MAIN. EXACT TIE-IN POINT TO BE VERIFIED ON SITE. TYPICAL.
 - PROVIDE NEW CONDENSATE PIPE TO INDIRECT DRAIN BELOW SINK.
 - PROVIDE NEW GREASE INTERCEPTOR AS SPECIFIED.
 - PROVIDE 1/2" DHW CAPPED PROVISION TO SERVE FUTURE DISHWASHER (BY OTHERS). ALL VERTICAL PIPING TO RUN IN WALL CAVITY.
 - CONNECT ALL NEW SANITARY CONNECTION TO EXISTING 3" SANITARY DRAIN BELOW FLOOR.

NO.	ISSUES	DATE	BY
01	ISSUED FOR PERMIT	2024.10.25	J.I.

NO.	REVISIONS	DATE	BY
-----	-----------	------	----


DISCLAIMER
 This drawing is the property of IANUZZIELLO & ASSOCIATES INC. This drawing shall be read in conjunction with the architectural, structural, mechanical and all other consultant's drawings prior to proceeding with the work. Do not scale the drawings.
 The contractor is to verify and accept responsibility for all dimensions and conditions on site and must notify IANUZZIELLO & ASSOCIATES INC. of any variations from the drawings.

CONSULTANT



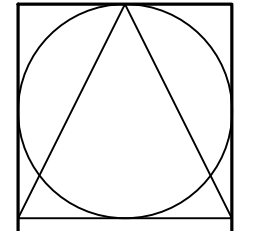
IANUZZIELLO & ASSOCIATES INC.
 305 MILNER AVENUE, SUITE 215
 TORONTO, ONTARIO, M1B 3V4
 TEL: (416) 609-8570
 FAX: (416) 609-0702
 E-mail: info@ianuzziello.com

STAMP



PROJECT:
TOWNSHIP OF BROCK
 176 MAIN STREET
 BEAVERTON, Ontario
 L0K 1A0

DRAWING:
DEMOLITION & NEW PLUMBING & DRAINAGE PLAN



B B A
BARRY BRYAN ASSOCIATES
 Architects
 Engineers
 Project Managers

201-250 Water Street
 Whitby Ontario L1N 0G5
 Tel: (905) 666-5252
 Fax: (905) 666-8258
 email: bba@bbaworking.com

DESIGN BY: J.I.	DOC CONTROL DATE: J.I.
DRAWN BY: T.Y.	COMPLET DATE: J.I.
CHECKED BY: J.I.	REVISION: J.I.

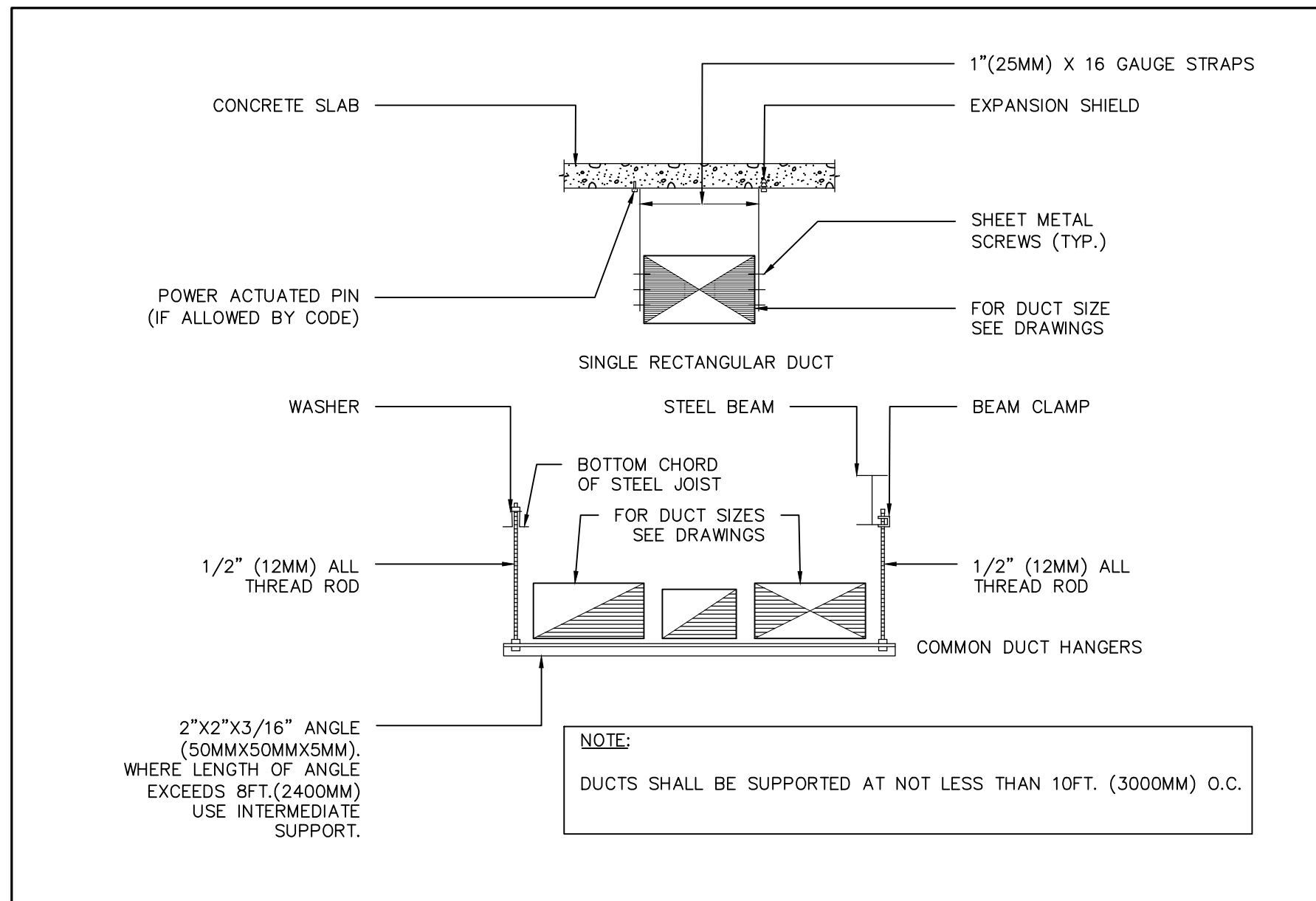
DATE:
OCTOBER 2024

SCALE:
1/4" = 1'-0"

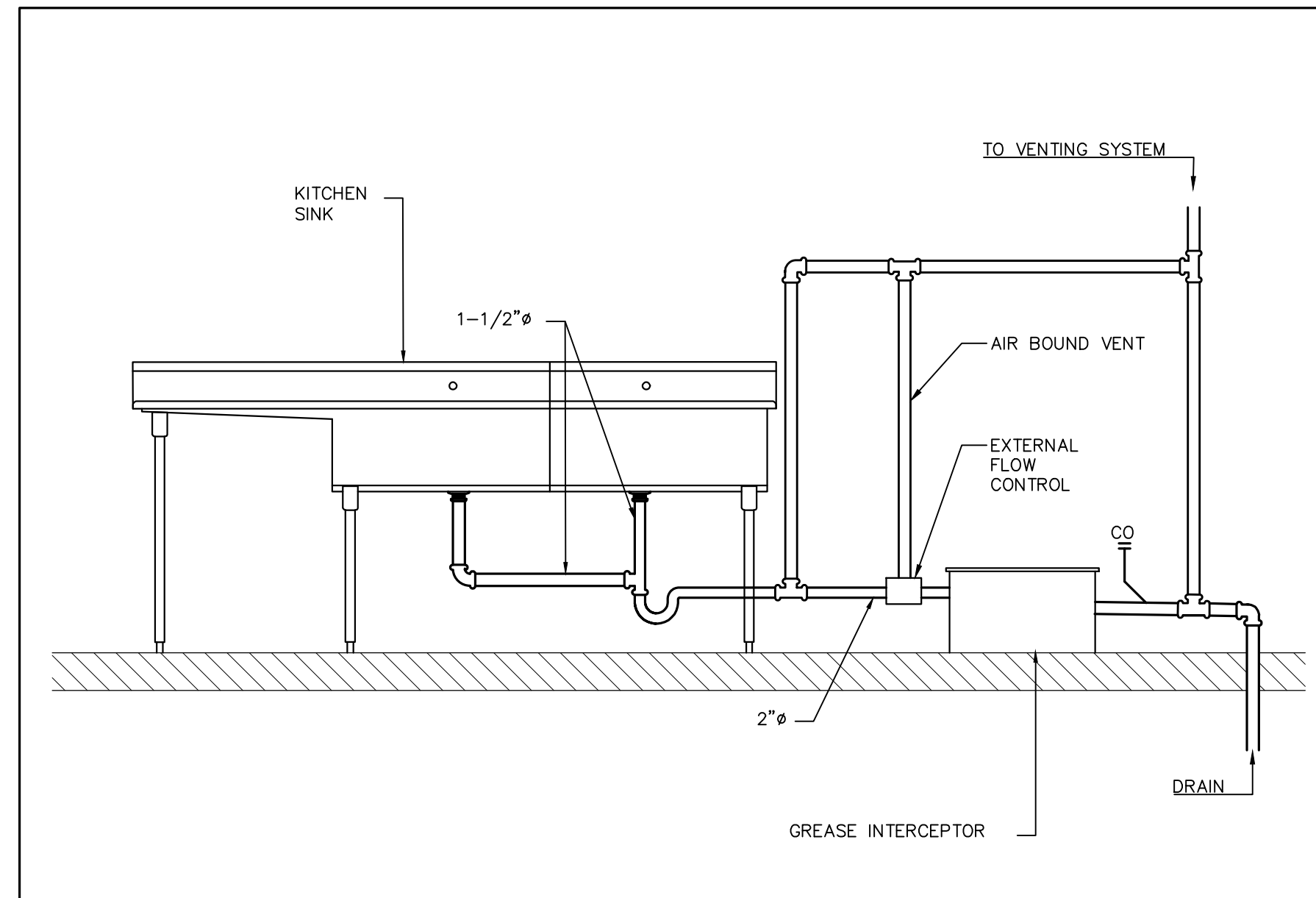
FILE:
24249-TOWNSHIP OF BROCK

PROJECT NO:
24249

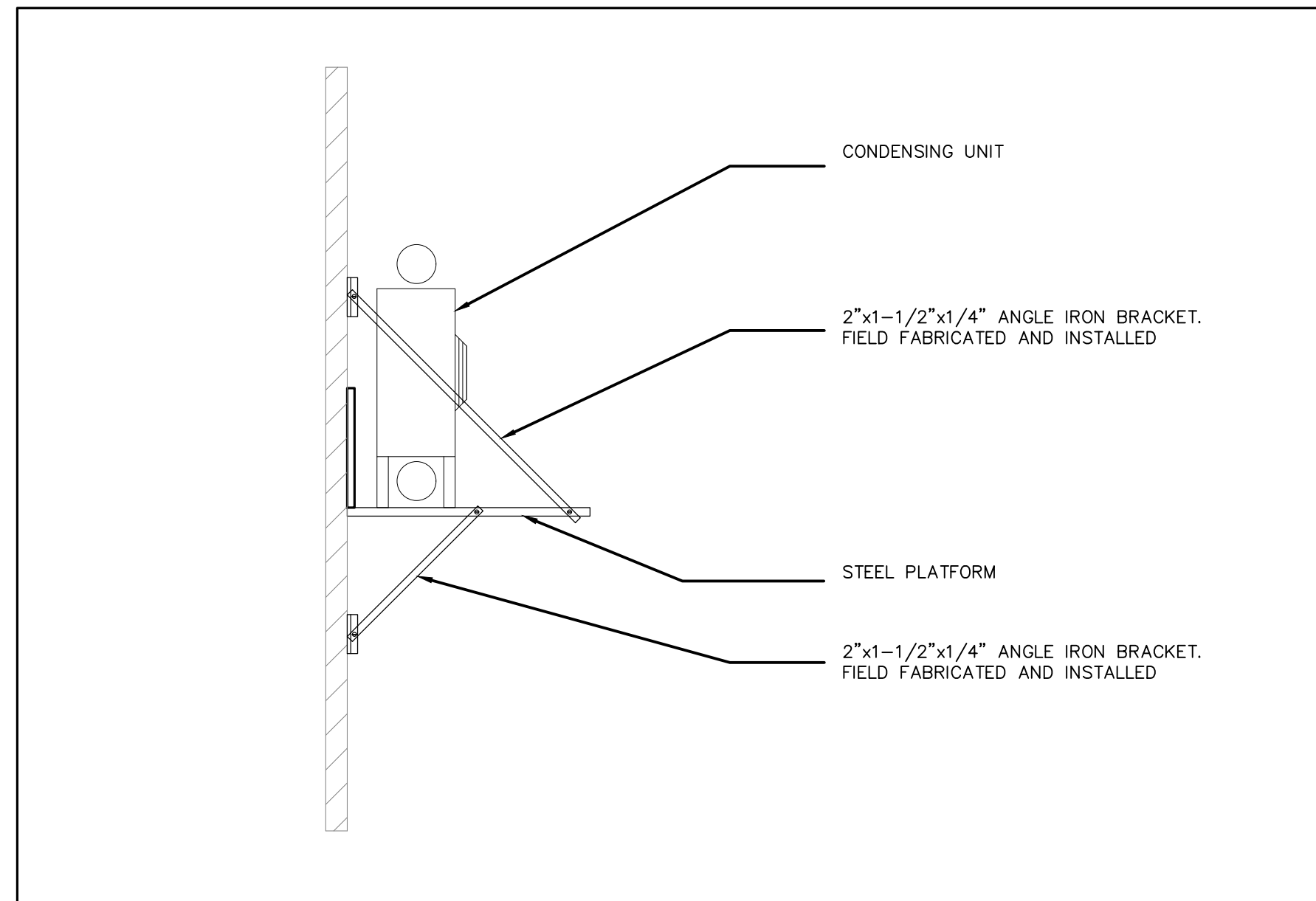
DRAWING NO:
P-1



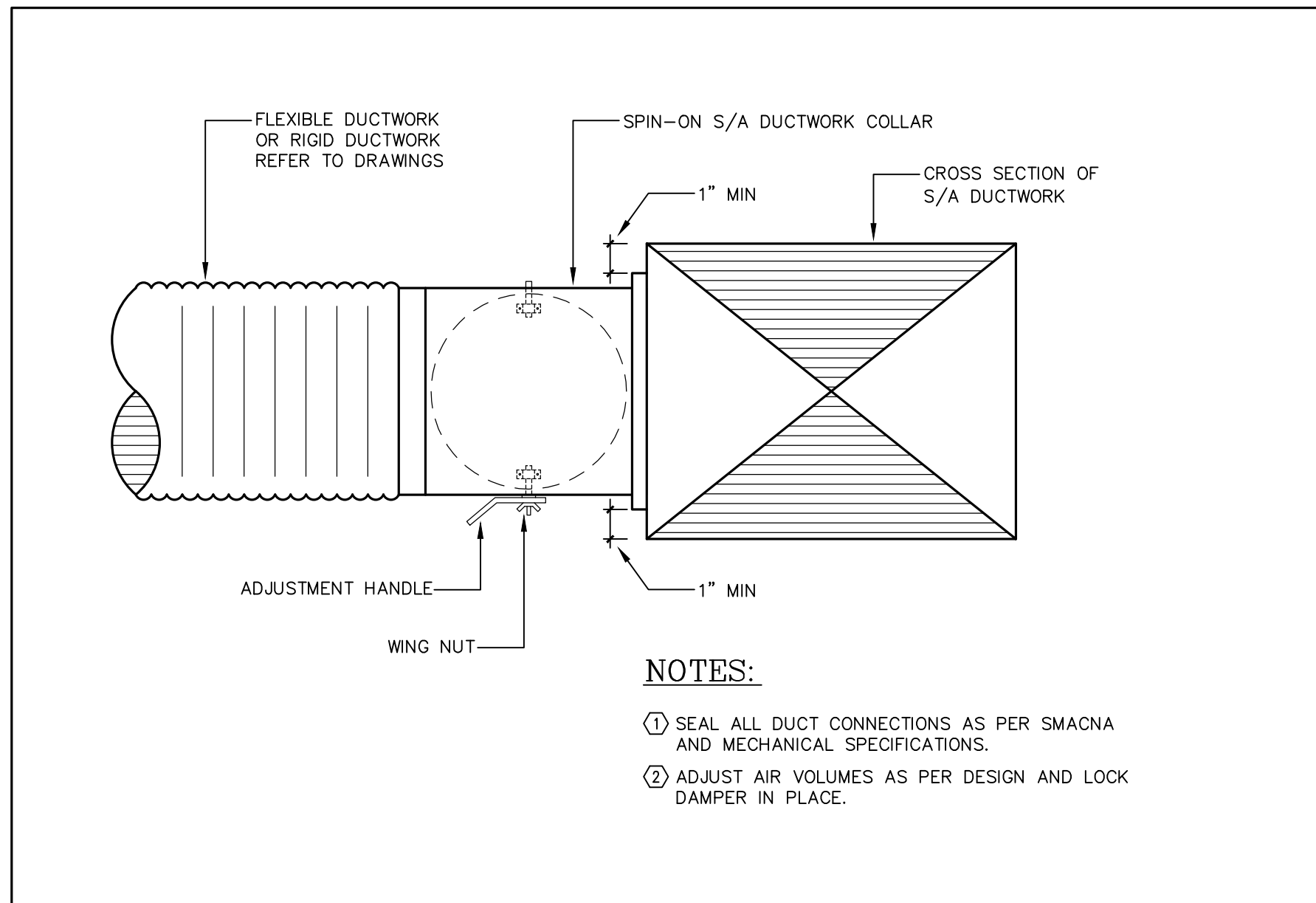
1 INSTALLATION OF HANGERS & SUPPORT FOR DUCTWORK
M-5 SCALE: N.T.S.



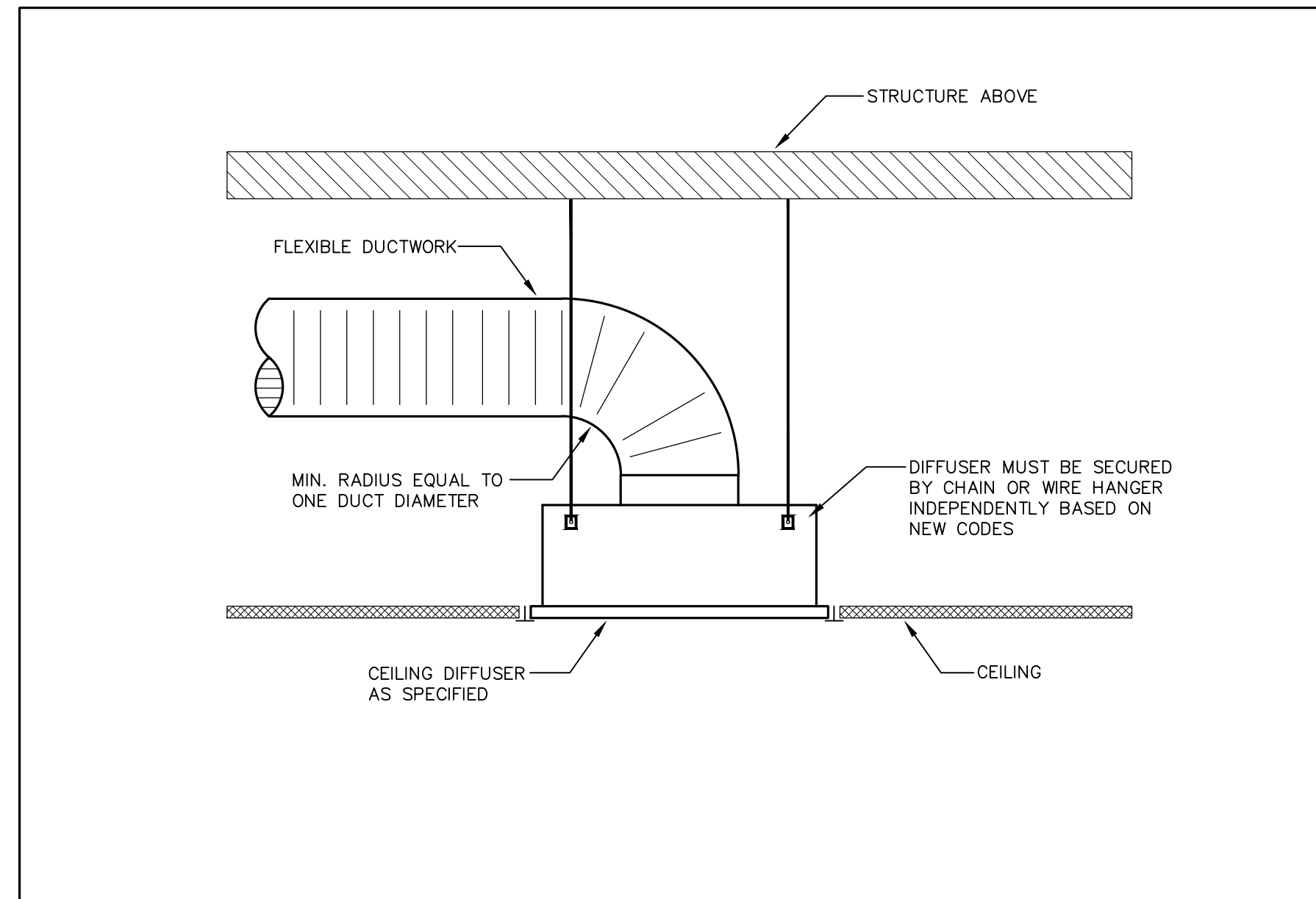
2 GREASE INTERCEPTOR DETAIL
M-5 SCALE: N.T.S.



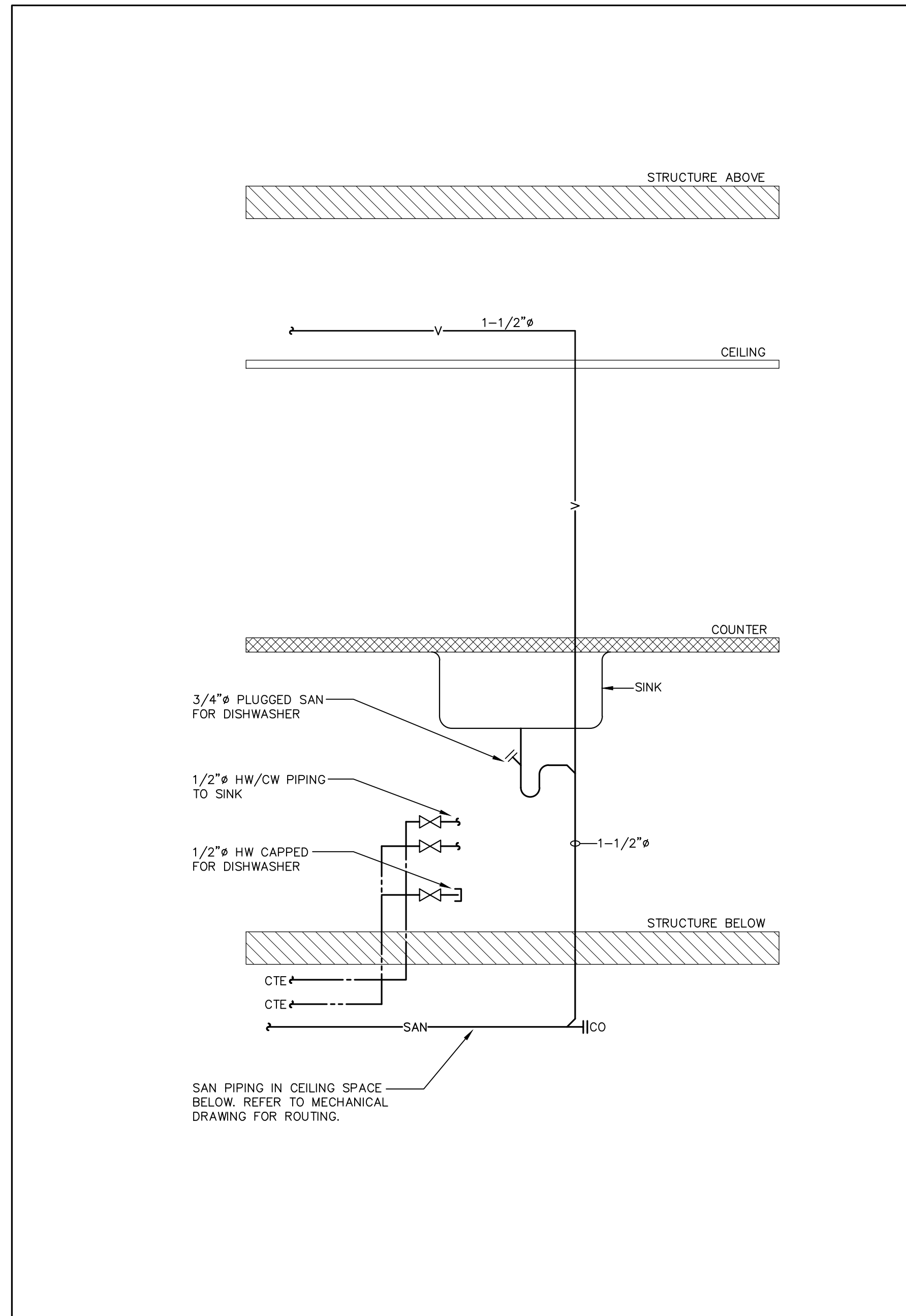
3 WALL MOUNTED CONDENSING UNIT DETAIL
M-5 SCALE: N.T.S.



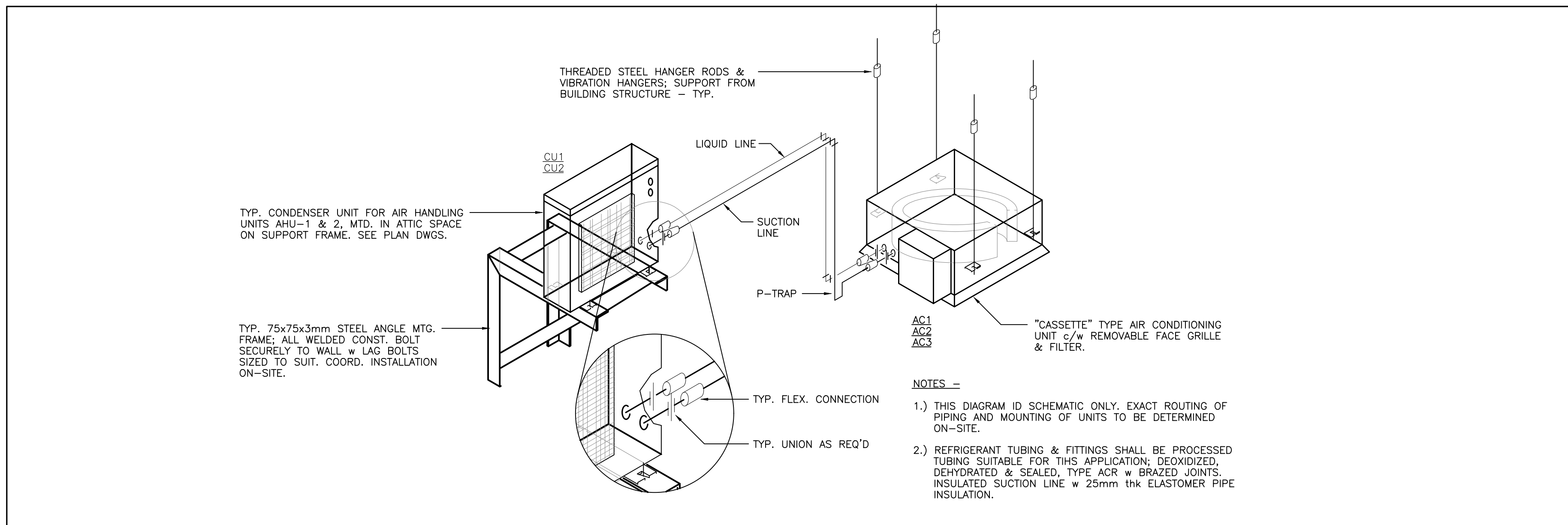
4 SPIN-ON DUCT COLLAR CONNECTION DETAIL
M-5 SCALE: N.T.S.



5 SQUARE DIFFUSER DETAIL
M-5 SCALE: N.T.S.



7 KITCHEN SINK PIPING DETAIL
M-5 SCALE: N.T.S.



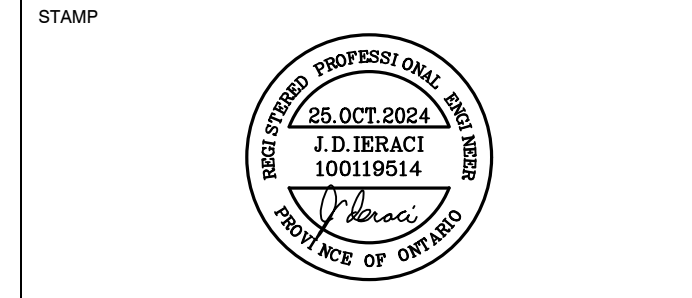
6 CEILING CASSETTE AND CONDENSER UNIT DETAIL
M-5 SCALE: N.T.S.

NO.	ISSUES	DATE	BY
01	ISSUED FOR PERMIT	2024.10.25	J.I.

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

DISCLAIMER
This drawing is the property of IANUZZIELLO & ASSOCIATES INC. This drawing shall be read in conjunction with the architectural, structural, mechanical and all other consultant's drawings prior to proceeding with the work. Do not scale the drawings.
The contractor is to verify and accept responsibility for all dimensions and conditions on site and must notify IANUZZIELLO & ASSOCIATES INC. of any variations from the drawings.

CONSULTANT
IANUZZIELLO & ASSOCIATES INC.
305 MILNER AVENUE, SUITE 215
TORONTO, ONTARIO, M1B 3V4
TEL: (416) 609-8570
FAX: (416) 609-0702
E-mail: info@ianuzziello.com



PROJECT:
TOWNSHIP OF BROCK
176 MAIN STREET
BEAVERTON, Ontario
LOK 1A0

DRAWING:
DETAILS SHEET
NO. 1

B B A
BARRY BRYAN ASSOCIATES
Architects
Engineers
Project Managers

DESIGN BY: J.I.
DRAWN BY: T.Y.
CHECKED BY: J.I.
DATE: OCTOBER 2024
SCALE: 1/4" = 1'-0"
FILE: 24249-TOWNSHIP OF BROCK

PROJECT NO: **24249**
DRAWING NO: **M-5**

HEATING/COOLING LOAD CALCULATIONS SUMMARY OF BAR & STORAGE						
DESIGN COOLING			DESIGN HEATING			
COOLING OA DB/WB 86.0 F/ 73.4 F			HEATING OA DB/WB -14.8 F/ -15.0 F			
ZONE LOADS	DETAILS	SENSIBLE (BTU/HR)	LATENT (BTU/HR)	DETAILS	SENSIBLE (BTU/HR)	LATENT (BTU/HR)
WALL TRANSMISSION	205 FT ²	22		205 FT ²	792	
ROOF TRANSMISSION	431 FT ²	391		431 FT ²	1149	
LIGHTING	300 W	911				
EQUIPMENT	74 W	240				
PEOPLE	1	236	455			
INFILTRATION		298	323			2297
MISCELLANEOUS		2300				
SAFETY FACTOR	10% / 5%	440	30	10%	424	
VENTILATION	37 CFM	397	464	37 CFM	3300	
TOTAL SYSTEM LOADS		5371	1282		7961	

VENTILATION AIR CALCULATIONS OF BAR & STORAGE	
OFFICE (FT ³) =	296
# OF PEOPLE =	1

VENTILATION AIR	
STORAGE (142FT ³ * 0.06) =	9 CFM
BAR (154FT ³ * 0.12) =	18 CFM
PEOPLE (1 PPL * 5 CFM) =	5 CFM
ZONE AIR DISTRIBUTION EFFECTIVENESS	0.8
DESIGN OUTDOOR AIRFLOW	25.6 CFM

HEATING/COOLING LOAD CALCULATIONS SUMMARY OF KITCHEN						
DESIGN COOLING			DESIGN HEATING			
COOLING OA DB/WB 85.4 F/ 73.2 F			HEATING OA DB/WB -14.8 F/ -15.0 F			
ZONE LOADS	DETAILS	SENSIBLE (BTU/HR)	LATENT (BTU/HR)	DETAILS	SENSIBLE (BTU/HR)	LATENT (BTU/HR)
WALL TRANSMISSION	144 FT ²	9		144 FT ²	557	
ROOF TRANSMISSION	307 FT ²	278		307 FT ²	818	
LIGHTING	399 W	1203				
EQUIPMENT	77 W	248				
PEOPLE	2	465	910			
INFILTRATION		198	415			1615
MISCELLANEOUS		16900				
SAFETY FACTOR	10% / 5%	1930	66	10%	299	
VENTILATION FAN LOAD	52 CFM	525	1196	52 CFM	4636	
TOTAL SYSTEM LOADS		22310	2588		7915	

VENTILATION AIR CALCULATIONS OF KITCHEN	
OFFICE (FT ³) =	307
# OF PEOPLE =	2

VENTILATION AIR	
LUNCHROOM (307 FT ³ * 0.12) =	37 CFM
PEOPLE (2 PPL * 7.5 CFM) =	15 CFM
ZONE AIR DISTRIBUTION EFFECTIVENESS	0.8
DESIGN OUTDOOR AIRFLOW	41.6 CFM

DIFFUSER SCHEDULE			
TAG	MAKE/MODEL	FINISH	REMARKS
A	EH PRICE MODEL SPD 24"x24" SQUARE PLAQUE DIFFUSER (S/A)	B12	STEEL CONSTRUCTION, FOR T-BAR LAY-IN. NECK SIZE AND AIR BALANCE AS PER DRAWINGS.
B	EH PRICE MODEL 80 EGG CRATE RETURN	--	CORE ONLY, 1/2"x1/2"x1/2" ALUMINIUM GRID CORE, FOR T-BAR LAY-IN.

NOTES:
1. TITUS AND NAILOR WILL BE CONSIDERED EQUAL GIVEN THAT THE PERFORMANCE DATA IS EQUIVALENT.
2. SIZE ALL GRILLES, DIFFUSERS, ETC. AS PER MECHANICAL DRAWINGS.
3. CONFIRM ALL FINISHES WITH ARCHITECT/INTERIOR DESIGNER.

GREASE INTERCEPTOR CALCULATIONS						
SINK #	SINK DIMENSIONS			COMPARTMENTS	TOTAL VOLUME	75% VOLUME
	WIDTH	DEPTH	HEIGHT			
S-1	16	14	8	2	15.5	11.6
TOTAL: 44.9 GAL						
ITEM	QUANTITY	EACH GPM	TOTAL GPM			
DISHWASHER	1	3.2	3.2			
TOTAL: 11.6 GPM DDT, 1 MIN						
11.6 + 3.2 = 14.8 GPM SIZE SELECTED = 15 GPM						

EVAPORATOR SCHEDULE																			
TAG	MANUFACTURER	MODEL	LOCATION	CORRESPONDING CONDENSING UNIT	RATED COOLING CAPACITY (MBH)	RATED HEATING CAPACITY (MBH)	BLOWER PERFORMANCE		PIPING CONNECTION			ELECTRICAL CHARACTERISTICS				SYSTEM SEER	WEIGHT (LBS.)	REMARKS	
							CFM	E.S.P. (IN. WC.)	LIQUID (IN.)	SUCTION (IN.)	CONDENSATE (IN.)	V/PH/Hz	OUTPUT (W)	FLA (A)	MCA (A)				BREAKER SIZE (A)
AC1	MITSUBISHI	PLA-A30EA8	KITCHEN	CU1	30.0	33.0	420	--	3/8	--	--	208/1/60	--	--	1	25	--	67.0	C/W DRAIN & INTERNAL CONDENSATE PUMP SIMPLE WIRED CONTROLLER.

NOTES:
1. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTION.
2. CONFIRM ROUTING AND REFRIGERANT LENGTH PRIOR TO CONSTRUCTION AND ENSURE IT IS WITHIN THE MANUFACTURER'S PUBLISHED LIMITS.
3. SETUP, TESTING AND COMMISSIONING SHALL BE CARRIED OUT BY MITSUBISHI AT NO EXTRA CHARGE TO THE CLIENT.

CONDENSING UNIT SCHEDULE																	
TAG	MANUFACTURER	MODEL	LOCATION	RATED COOLING CAPACITY (MBH)	RATED HEATING CAPACITY (MBH)	REFRIGERANT TYPE	LOW AMBIENT (°F)	PIPING CONNECTION		ELECTRICAL CHARACTERISTICS				SYSTEM SEER	WEIGHT (LBS.)	REMARKS	
								LIQUID (IN.)	SUCTION (IN.)	V/PH/Hz	INPUT (KW)	MCA (A)	FAN FLA (A)				BREAKER SIZE (A)
CU1	MISSUBISHI	PUZ-A30NHA7	OUTDOOR	30.0	32.0	R-410A	--	--	--	208/1/60	--	19	.04	--	--	153.0	2 PORT, 1.5-TON OUTDOOR HEAT PUMP. C/W DACA-WB-3 WALLMOUNT BRACKET, KEH063A4E DRAIN PAN HEATER.

NOTES:
1. ALL MOTORS, STARTERS, CONTACTORS, DISCONNECT SWITCHES AND CONTROL DEVICES SHALL BE PROVIDED BY DIV.15 AND INSTALLED BY DIV.16.
2. ALL LOW VOLTAGE WIRING TO BE PROVIDED BY DIV.15.

FAN SCHEDULE															
TAG	SERVICE	MANUFACTURER	MODEL NO.	CAPACITY		E.S.P. (IN. WC.)	MOTOR SIZE		TYPE	POWER V/PH/CYCLE	WEIGHT (LBS)	FLA (A)	MCA (A)	MOCP (A)	REMARKS
				CFM			RPM	W / HP							
KEF2	KITCHEN EXHAUST	ZEPHYR	AK7636BS	750		--	--	--	WALL MOUNT	210/1/60	--	--	5	15	SINGLE INTERNAL BLOWER 8" ROUND REAR DISCHARGE WALL CAP.

NOTE:
1. PROVIDE 18" ROOF CURB WHERE REQUIRED.

PLUMBING FIXTURE SCHEDULE									
TAG	FIXTURES				PIPE CONNECTION				
	SPECIFICATION				TRAP	COLD WATER	HOT WATER	DRAIN	VENT
S1	SINGLE COMPARTMENT KITCHEN SINK - TWO HANDLE FAUCET FRANKE , LBS6808P-1-3 COMMERCIAL SINK, BSL2125-9-1, FINISH STAINLESS STAINLESS POLISHED TO #4 STAIN FINISH, 3-1/2" CRUMB CUP STRAINER, SIZE 20" LONG, 20-1/2" WIDE, 8" DEEP. CHICAGO FAUCETS, 786-CRBE35V317XKAB COUNTER MOUNTED, TWO HANDLE SINK FAUCET, CHROME PLATED FINISH, ECASST BRASS CONSTRUCTION, CERAMIC 1/2 TURN CARTRIDGE, 5.7 LMP MAXIMUM FLOWRATE LAWLER 1070-87500 MIXING VALVE - POINT OF USE MECHANICAL MIXING VALVE WITH THERMOSTATIC LIMIT STOP, COMPRESSION FITTING. McGUIRE SUPPLY, MODEL LFBV170 CONVERTABLE COMMERCIAL FAUCET SUPPLY KIT, CONSISTING OF 2 STOP VALVES, 2 RISERS, 2 STANDARD FLANGES, LEAD FREE BRASS BODY, CHROMEPLATED FINISH. McGUIRE P-TRAP, MODEL 8912C HEAVY BRASS, ADJUSTABLE P-TRAP, 292 MM (11-1/2") LENGTH, WITH CLEAN OUT PLUG.				1-1/2"	1/2"	1/2"	1-1/2"	1-1/4"
S2	DOUBLE COMPARTMENT KITCHEN SINK - SINGLE HANDLE FAUCET FRANKE , LBD6408-1-2 COMMERCIAL SINK, BSL2125-9-1, FINISH STAINLESS STAINLESS POLISHED TO #4 STAIN FINISH, 3-1/2" CRUMB CUP STRAINER, SIZE 31-1/4" LONG, 20-1/2" WIDE, 8" DEEP. CHICAGO FAUCETS, 432-ABCP COUNTER MOUNTED, SINGLE HANDLE SINK FAUCET, POLISHED CHROME FINISH, ECASST BRASS CONSTRUCTION, CERAMIC CARTRIDGE, 5.7 LMP MAXIMUM FLOWRATE. LAWLER 1070-87500 MIXING VALVE - POINT OF USE MECHANICAL MIXING VALVE WITH THERMOSTATIC LIMIT STOP, COMPRESSION FITTING. McGUIRE SUPPLY, MODEL LFBV170 CONVERTABLE COMMERCIAL FAUCET SUPPLY KIT, CONSISTING OF 2 STOP VALVES, 2 RISERS, 2 STANDARD FLANGES, LEAD FREE BRASS BODY, CHROMEPLATED FINISH. McGUIRE P-TRAP, MODEL 8912C HEAVY BRASS, ADJUSTABLE P-TRAP, 292 MM (11-1/2") LENGTH, WITH CLEAN OUT PLUG.				1-1/2"	1/2"	1/2"	1-1/2"	1-1/4"
G1	GREASE INTERCEPTOR WATTS, WD-115-CSA, GREASE INTERCEPTOR, 15 GPM FLOWRATE, 30 LB GREASE CAPACITY.				2"	--	--	2"	1-1/2"

NOTE REFER TO INTERIOR DESIGNER'S DRAWINGS FOR SPECIFICATIONS OF PLUMBING FIXTURES NOT LISTED ON MECHANICAL DRAWINGS.

NO.	ISSUES	DATE	BY
01	ISSUED FOR PERMIT	2024.10.25	J.J.

NO.	REVISIONS	DATE	BY
-----	-----------	------	----


DISCLAIMER
This drawing is the property of IANUZZIELLO & ASSOCIATES INC. This drawing shall be read in conjunction with the architectural, structural, mechanical and all other consultant's drawings prior to proceeding with the work. Do not scale the drawings.
The contractor is to verify and accept responsibility for all dimensions and conditions of site and must notify IANUZZIELLO & ASSOCIATES INC. of any variations from the drawings.

CONSULTANT



IANUZZIELLO & ASSOCIATES INC.
305 MILNER AVENUE, SUITE 215
TORONTO, ONTARIO, M1B 3V4
TEL: (416) 609-8570
FAX: (416) 609-0702
E-mail: info@ianuzziello.com

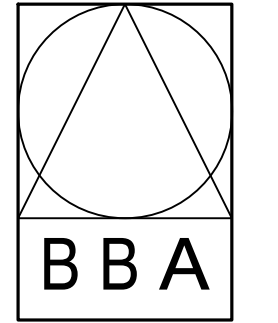
STAMP



J.D. BERACT
100119514
PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

PROJECT:
TOWNSHIP OF BROCK
176 MAIN STREET
BEAVERTON, Ontario
LOK 1A0

DRAWING:
EQUIPMENT
SCHEDULE SHEET
NO. 2



BARRY BRYAN ASSOCIATES
Architects
Engineers
Project Managers

DESIGN BY: J.J.
DRAWN BY: T.Y.
CHECKED BY: J.J.
DATE: OCTOBER 2024
SCALE: 1/4"= 1'-0"
FILE: 24249-TOWNSHIP OF BROCK

PROJECT NO: **24249**
DRAWING NO: **M-10**