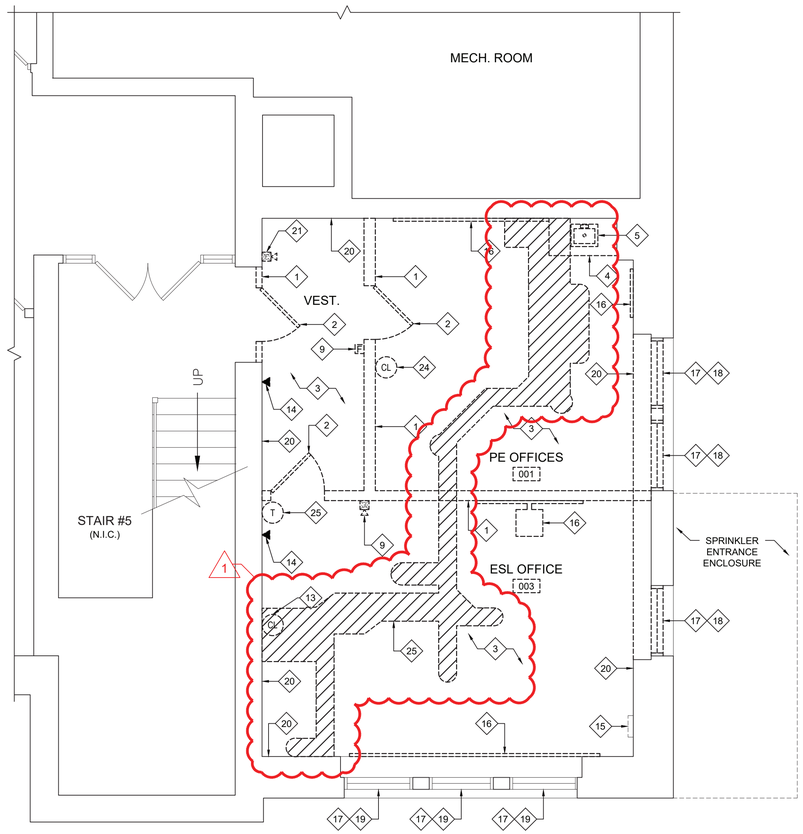
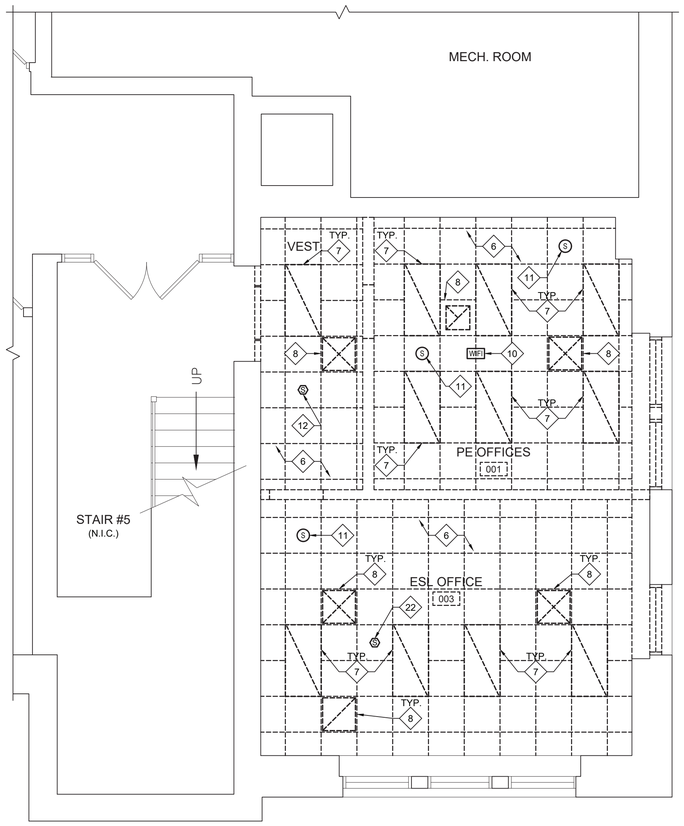


1 A1.01 Existing Floor Plan w/ Demolition

1/4" = 1'-0"

PARTIAL LOWER LEVEL FLOOR PLAN

NORTH



2 A1.01 Existing Reflective Ceiling Plan w/ Demolition

1/4" = 1'-0"

PARTIAL LOWER LEVEL FLOOR PLAN

NORTH

1

SLAB TRENCHING NOTE:
MEP CONTRACTOR IS RESPONSIBLE FOR SLAB TRENCHING. REFER TO PROPOSED TRENCHING PLAN 3/P2.01 FOR ADDITIONAL INFORMATION.

Demolition Key Notes

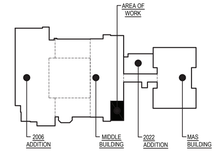
SYMBOL INDICATES CONSTRUCTION KEY NOTE

1. GC TO REMOVE EXISTING INTERIOR PARTITION, INCLUDING WALL BASE, GWB, STUDS, ELECTRICAL OUTLETS, SWITCHES, ETC. EC TO TERMINATE ALL ELECTRICAL COMPONENTS IN ACCORDANCE WITH NEC REQUIREMENTS. GC TO TEMPORARILY BRACE AND SHORE ALL REMAINING WALLS, FLOORS, AND CEILINGS AS REQUIRED PRIOR TO DEMOLITION.
2. GC TO REMOVE EXISTING DOOR, HINGES, FRAME, HARDWARE, CLOSER, ETC. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
3. GC TO REMOVE EXISTING FINISH FLOORING TO EXPOSE EXISTING SUB-FLOOR. GC TO PREPARE EXISTING SUB-FLOOR AS REQUIRED TO RECEIVE NEW FINISH FLOORING SEE DRAWING A2.01 FOR ADDITIONAL INFORMATION.
4. GC TO REMOVE AND DISCARD OF EXISTING CASEWORK INCLUDING COUNTERS, DOORS, HINGES, BLOCKING, SINKS, ETC. CONFER WITH OWNER FOR SALVAGE PRIOR TO DEMOLITION.
5. PC TO REMOVE EXISTING SINK IN ITS ENTIRETY. PC TO DISCONNECT ALL PLUMBING CONNECTIONS AND CAP AS REQUIRED PRIOR TO SINK REMOVAL. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
6. GC TO REMOVE AND DISCARD EXISTING SUSPENDED CEILING, TILE AND SOFFIT INCLUDING CEILING GRID, WALL ANGLES, SUPPORT WIRES, CLIPS, TIES, ETC.
7. EC TO DEMO EXISTING LIGHTING IN ITS ENTIRETY. EC TO TERMINATE ALL ELECTRICAL CONNECTIONS PER NEC REQUIREMENTS. SEE ELECTRICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION. CONFER WITH OWNER FOR SALVAGE PRIOR TO DEMOLITION.
8. MC TO REMOVE EXISTING SUPPLY DIFFUSERS, RETURN AIR GRILLES, AND/OR LOUVERS IN THEIR ENTIRETY. SEE MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.
9. EC TO RELOCATE EXISTING FIRE ALARM DEVICE. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
10. EC TO RELOCATE EXISTING WIRELESS ACCESS POINT (WAP) AND ALL ASSOCIATED WIRING AND WIRE MOLD. TERMINATE ALL CONNECTIONS AS PER NEC REQUIREMENTS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
11. EC TO RELOCATE EXISTING CEILING MOUNTED PA SPEAKER IN ITS ENTIRETY. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
12. EC TO RELOCATE EXISTING SMOKE DETECTOR. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
13. EC TO DISCONNECT EXISTING CLOCK AND RELOCATE. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
14. EC TO DISCONNECT EXISTING PHONE AND RELOCATE. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
15. EXISTING PIPE CHASE (5'-11" A.F.F.) TO REMAIN.
16. GC TO REMOVE EXISTING WALL-MOUNTED TEACHER PRESENTATION UNIT (SMARTBOARD, WHITE BOARD, BLACK BOARD, TACK BOARD, PIN BOARD, WORLD MAP, ETC.) IN ITS ENTIRETY. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL. DISCONNECT PROJECTOR, SMARTBOARD (WHERE REQUIRED).
17. GC TO REMOVE EXISTING WINDOW SHADES AND HARDWARE IN THEIR ENTIRETY. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
18. GC TO REMOVE EXISTING EXTERIOR WINDOW, JAMB, SILL,. SASHES, INTERIOR TRIM, ETC. IN THEIR ENTIRETY. EXISTING LINTEL TO REMAIN.
19. EXISTING WINDOW TO REMAIN. GC TO PROTECT DURING CONSTRUCTION & DEMOLITION ACTIVITIES.
20. EXISTING WALL TO REMAIN.
21. EXISTING FIRE ALARM DEVICE TO REMAIN. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
22. EXISTING SMOKE DETECTOR TO BE REMOVED AND REPLACED WITH WITH A HEAT DETECTOR. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
23. EXISTING DATA/PHONE JACK TO BE REMOVED. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
24. EXISTING CLOCK TO BE REMOVED. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

1

25. TRENCHING SHOWN ON THIS DRAWING IS TO BETTER HELP THE CONTRACTOR UNDERSTAND THE INTENT OF THE UNDER-SLAB PIPE ROUTING. THE COMBINED MEP CONTRACTOR IS RESPONSIBLE FOR CUTTING, TRENCHING AND INFILL OF THE TRENCH, AND SHALL COORDINATE WITH ALL OTHER TRADES IN THE FIELD. THE MEP CONTRACTOR SHALL EXAMINE EXISTING CONDITIONS TO VERIFY EACH ROUTE IS FREE FROM EXISTING UNDER-SLAB OBSTRUCTIONS.

MAMARONECK AVENUE SCHOOL



Key Plan

NOT TO SCALE

PROJECT NORTH

NYSED PROJECT # 66-07-01-03-0-004-033

Date	12/20/22
Checked	TT
Drawn	BP

MICHAEL J. McGOVERN, R.A.
Title REGISTERED ARCHITECT License No. 022257-1

Revisions:

5/25/23 ISSUE FOR BID

8/17/23 ADDENDUM 1

LAN ASSOCIATES
Engineering, Planning, Architecture, Surveying LLP
252 Main Street, Goshen, New York 10924 | t. 845-615-0350 | f. 845-615-0351

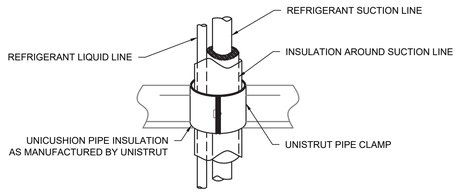
EXISTING FLOOR PLAN & RCP W/ DEMO

NEW KITCHEN DESIGN
MAMARONECK AVENUE SCHOOL
850 MAMARONECK AVENUE
MAMARONECK, NEW YORK 10543

Job No. 4.1092.85

File No. 109285A101

A1.01

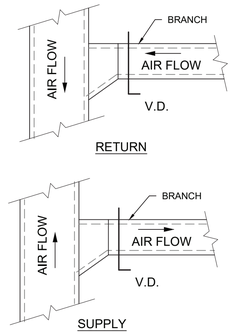


NOTES:

1. LIQUID AND SUCTION LINES MAY BE ROUTED TOGETHER FOR CONVENIENCE, BUT MUST BE COMPLETELY INSULATED FROM EACH OTHER. DO NOT SOLDER LIQUID AND SUCTION LINES TOGETHER. DO NOT ALLOW METAL TO METAL CONTACT. PROVIDE WITH PIPE COVERS.
2. LINES SHOULD BE INSTALLED WITH AS FEW BENDS AS POSSIBLE, ALLOWING SERVICE ACCESS TO THE INDOOR COIL.
3. SLOPE HORIZONTAL SUCTION LIENS 1 INCH EVERY 20 FEET TOWARD THE OUTDOOR UNIT.
4. USE LONG RADIUS ELBOWS WHEREVER POSSIBLE, EXCEPT IN OIL RETURN TRAPS, WHERE SHORT RADIUS ELBOWS SHALL BE USED.

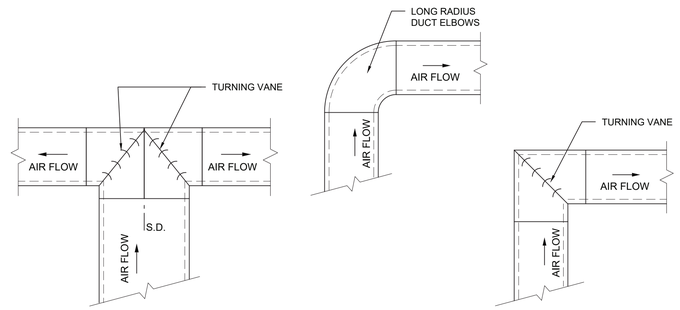
1 M6.01 Refrigerant Pipe Support Detail

N.T.S.



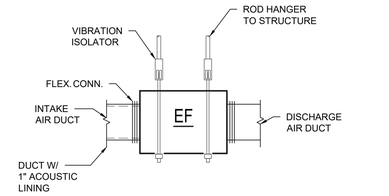
2 M6.01 Duct / Diffuser Take-Off Detail

N.T.S.



3 M6.01 Duct Turn Detail

N.T.S.

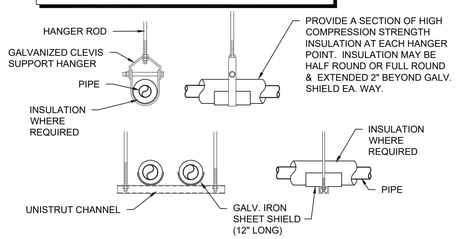


4 M6.01 Inline Exhaust Fan Detail

N.T.S.

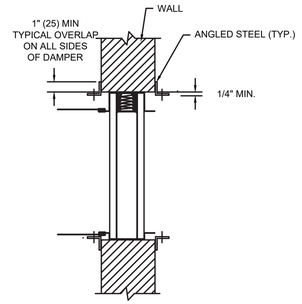
NOTES:

1. ATTACH SUPPORTS FOR ALL PIPING SUSPENDED FROM THE STEEL STRUCTURE TO THE TOP CORD OF JOISTS OR BEAMS.
2. PROVIDE COPPER OR PLASTIC COATED HANGERS FOR NON-INSULATED COPPER PIPE.



5 M6.01 Pipe Support Details

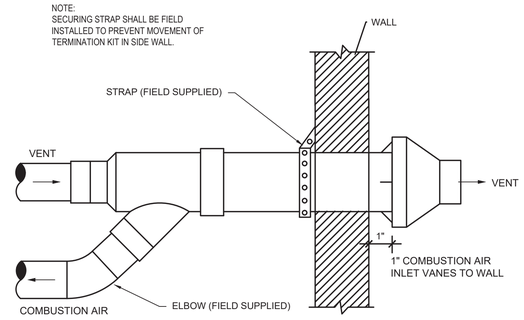
N.T.S.



6 M6.01 Typical Type "B" Fire Damper Detail

N.T.S.

NOTE:
SECURING STRAP SHALL BE FIELD INSTALLED TO PREVENT MOVEMENT OF TERMINATION KIT IN SIDE WALL.

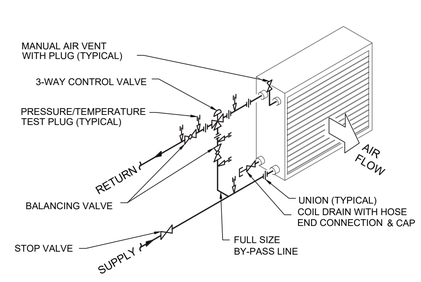


7 M6.01 Side Wall Termination for Concentric Vent

N.T.S.

NOTES:

1. INSULATE ALL PIPING, VALVES, FITTINGS AND ACCESSORIES PER SPECIFICATIONS.
2. INSTALL TEST PLUGS IN EASILY ACCESSIBLE LOCATIONS WITH MINIMUM OF 12" CLEARANCE IN FRONT.



HYDRONIC COIL PIPING WITH 3-WAY CONTROL VALVE

8 M6.01 FCU Hydronic Coil Piping Detail

N.T.S.

1

Date	12/20/22
Checked	MAM
Drawn	JPD

MICHAEL J. McGOVERN, R.A.
License No. 022257-1
Title REGISTERED ARCHITECT

Revisions:

5/25/23 ISSUE FOR BID

8/17/23 ADDENDUM 1

LAN ASSOCIATES
Engineering, Planning, Architecture, Surveying LLP
252 Main Street, Goshen, New York 10924 | t. 845-615-0350 | f. 845-615-0351

NYSED PROJECT # 66-07-01-03-0-004-033

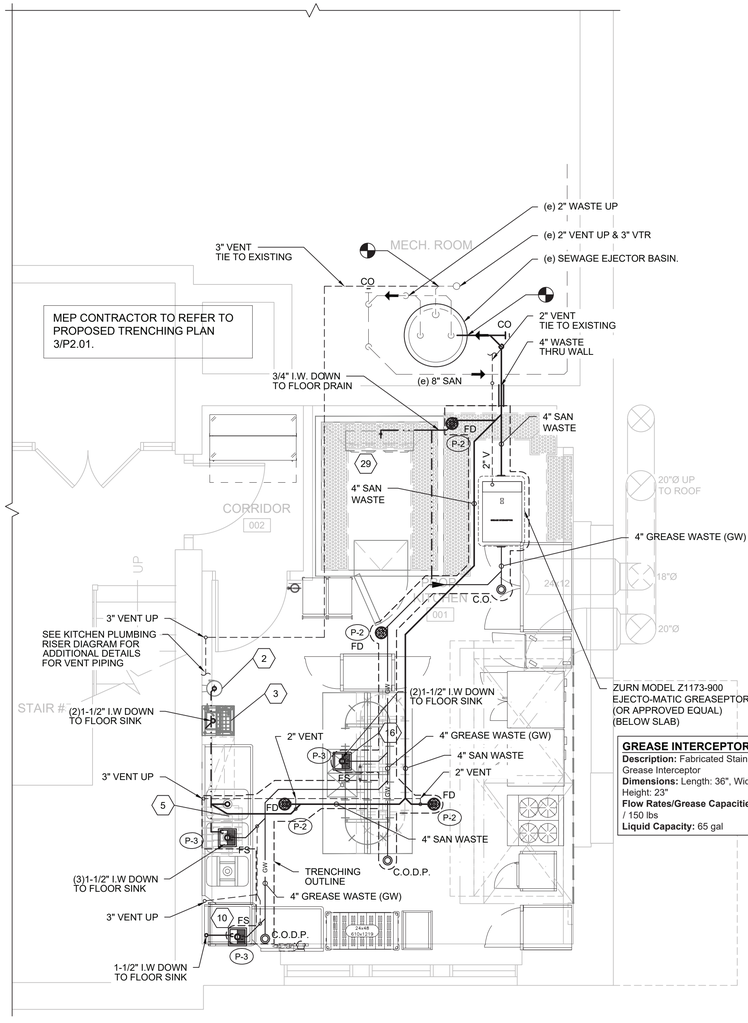
MECHANICAL DETAILS

NEW KITCHEN DESIGN
MAMARONECK AVENUE SCHOOL
850 MAMARONECK AVENUE
MAMARONECK, NEW YORK 10543

Job No. 4.1092.85

File No. 109285M601

M6.01



GREASE INTERCEPTOR
Description: Fabricated Stainless Steel Grease Interceptor
Dimensions: Length: 36", Width: 29", Height: 23"
Flow Rates/Grease Capacities: 75 GPM / 150 lbs
Liquid Capacity: 65 gal

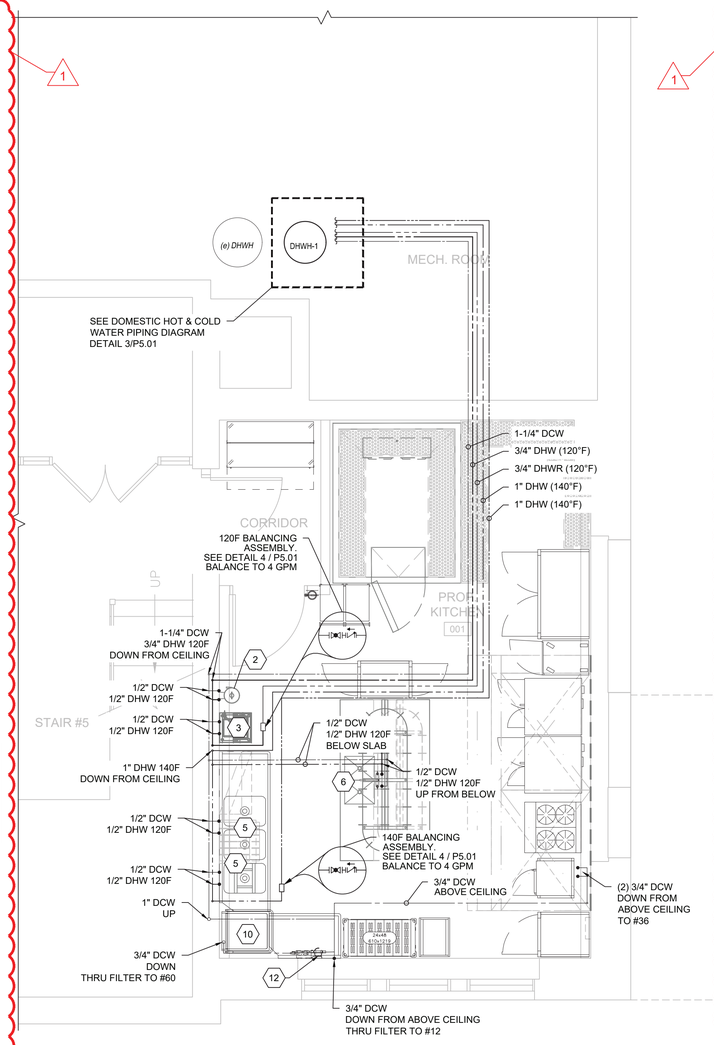
MEP CONTRACTOR TO REFER TO PROPOSED TRENCHING PLAN 3/P2.01.

1 P2.01 Proposed Kitchen Plumbing Floor Plan

1/4" = 1'-0"

SANITARY AND GREASE WASTE

NORTH



2 P2.01 Proposed Kitchen Plumbing Floor Plan

1/4" = 1'-0"

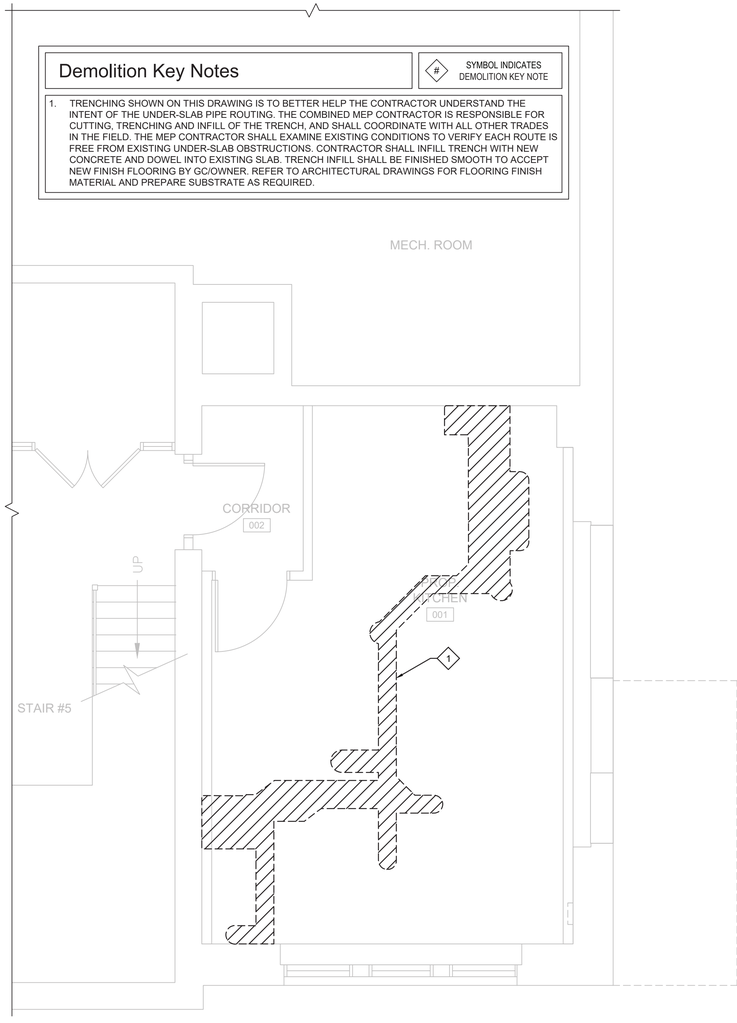
DOMESTIC WATER

NORTH

Demolition Key Notes

SYMBOL INDICATES DEMOLITION KEY NOTE

1. TRENCHING SHOWN ON THIS DRAWING IS TO BETTER HELP THE CONTRACTOR UNDERSTAND THE INTENT OF THE UNDER-SLAB PIPE ROUTING. THE COMBINED MEP CONTRACTOR IS RESPONSIBLE FOR CUTTING, TRENCHING AND INFILL OF THE TRENCH, AND SHALL COORDINATE WITH ALL OTHER TRADES IN THE FIELD. THE MEP CONTRACTOR SHALL EXAMINE EXISTING CONDITIONS TO VERIFY EACH ROUTE IS FREE FROM EXISTING UNDER-SLAB OBSTRUCTIONS. CONTRACTOR SHALL INFILL TRENCH WITH NEW CONCRETE AND DOWEL INTO EXISTING SLAB. TRENCH INFILL SHALL BE FINISHED SMOOTH TO ACCEPT NEW FINISH FLOORING BY GC/OWNER. REFER TO ARCHITECTURAL DRAWINGS FOR FLOORING FINISH MATERIAL AND PREPARE SUBSTRATE AS REQUIRED.



3 P2.01 Trenching Plan

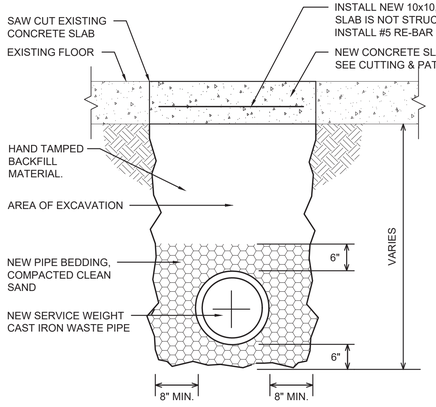
1/4" = 1'-0"

NORTH

EQUIPMENT SCHEDULE

00 ITEM NO	EQUIPMENT CATEGORY	QTY	HOT WATER SIZE (IN)	COLD WATER SIZE (IN)	DIRECT DRAIN SIZE (IN)	INDIR. DRAIN SIZE (IN)	GAS SIZE (IN)
2	EYE WASH STATION, WALL MNTD.	1	1/2	1/2	1-1/4		
3	HAND SINK W/ INTEGRAL UTILITY	1	1/2	1/2		1-1/2	
						1-1/2	
5	3-COMPARTMENT SINK, POTWASH	1	1/2	1/2		1-1/2	
			1/2	1/2		1-1/2	
						1-1/2	
10	WAREWASHER, DOOR TYPE, VENTLESS	1		1/2		1-1/2	
12	FILTER SYSTEM FOR ITEM #10	1		3/4			
16	PREP. TABLE, 2-COMPARTMENT	1	1/2	1/2		1-1/2	
25	WALK-IN FREEZER	1					
26	REFRIGERATION TO ITEM #25	1				3/4	
33	OVEN, CONVECTION, GAS	2					3/4
34	RANGE, HEAVY DUTY, GAS	1					1
36	STEAMER, ATMOSPHERIC	1		3/4		3/4	1/2
				3/4		3/4	1/2

SEE DRAWING FS.1 FOR ALL FOOD SERVICE DETAILS AND SCHEDULES. THE ABOVE SCHEDULE ONLY SHOWS EQUIPMENT THAT REQUIRES DOMESTIC WATER, GAS AND SANITARY DRAINS.



FLOOR CUTTING & PATCHING NOTES

1. TYPES & THICKNESS OF EXIST. FLOOR SLAB IS NOT AVAILABLE. CONTRACTOR IS RESPONSIBLE TO CHECK IN FIELD & INCLUDE INTO THEIR PRICE FOR CUTTING & PATCHING.
2. SAW CUT EXIST. FLOOR SLABS TO INSTALL NEW FLOOR DRAINS & WASTE & VENT PIPING AS SHOWN ON DWG. 2/M-2. PATCH W/ NEW CONCRETE SLABS TO MATCH EXISTING. KEY NEW SLABS TO EXISTING. THICKNESS OF NEW SLABS SHALL MATCH EXISTING. CONTRACTOR SHALL PROVIDE SMOOTH & LEVEL FINISH ON SLAB, SUITABLE FOR NEW FINISH FLOORING.
3. COMPACTED BACKFILL MAY BE ON-SITE MATERIAL PROVIDED IT CONTAINS NO ROCKS OR STONES OVER 3" IN DIAMETER, ROOTS, STUMPS OR CONSTRUCTION DEBRIS. IT SHALL BE COMPACTED IN 6" LIFTS.

4 P2.01 Below Slab Sanitary Piping Detail

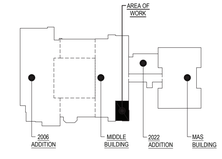
N.T.S.

Plumbing Legend

	Exist	Proposed		Exist	Proposed
Domestic Cold Water			Sanitary Waste		
Domestic Hot Water 120°F			Sanitary Grease Waste		GW
Domestic Hot Water Return			Sanitary InDirect Waste		
Domestic Hot Water 140°F			Sanitary Vent		
Dom Hot Water 140°F Return					

Point of Connection X — Floor Drain FD — Floor Sink FS — Air Gap Fitting — Lever Control

MAMARONECK AVENUE SCHOOL



Key Plan

NOT TO SCALE

PROJECT NORTH

NYSED PROJECT # 66-07-01-03-0-004-033

PROPOSED KITCHEN & BOILER RM PLUMBING
NEW KITCHEN DESIGN
MAMARONECK AVENUE SCHOOL
850 MAMARONECK AVENUE
MAMARONECK, NEW YORK 10543

Date 12/20/22
Checked MAM
Drawn RJS

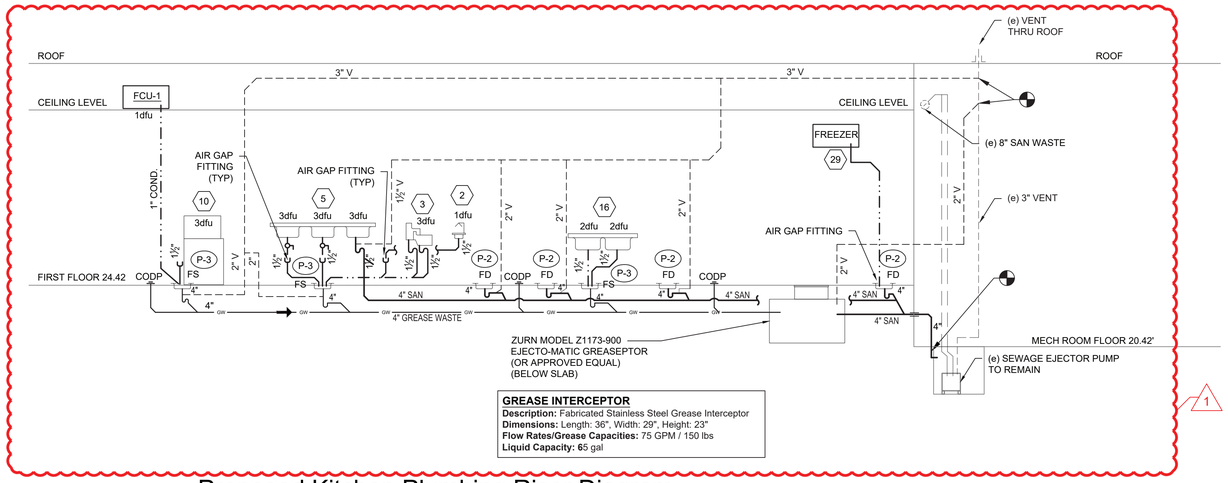
MICHAEL J. McGOVERN, R.A.
Title REGISTERED ARCHITECT
License No. 022257-1

Revisions:
5/25/23 ISSUE FOR BID
8/17/23 ADDENDUM 1

LAN ASSOCIATES
Engineering, Planning, Architecture, Surveying LLP
252 Main Street, Goshen, New York 10924 | t. 845-615-0350 | f. 845-615-0351

Job No. 4.1092.85
File No. 109285P201

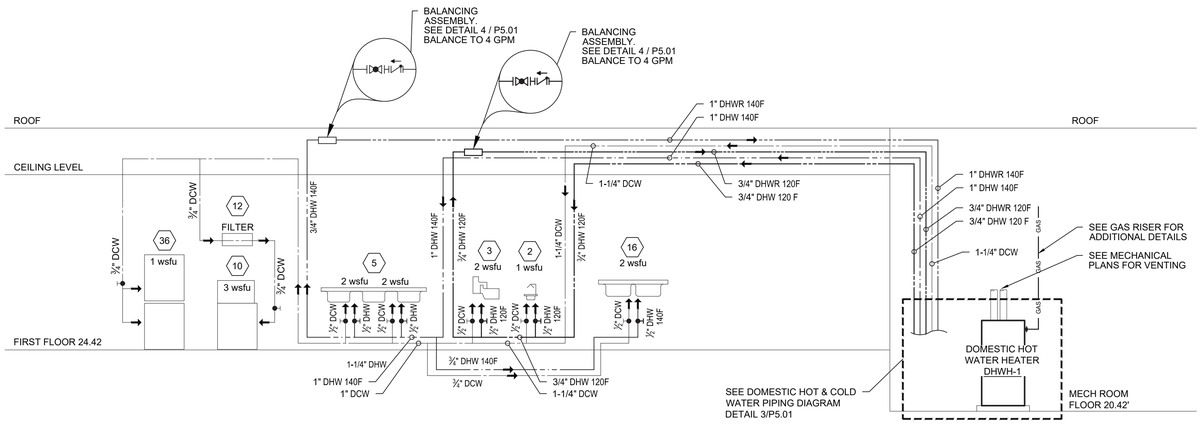
P2.01



1 P5.01 — Proposed Kitchen Plumbing Riser Diagram

1/4" = 1'-0"

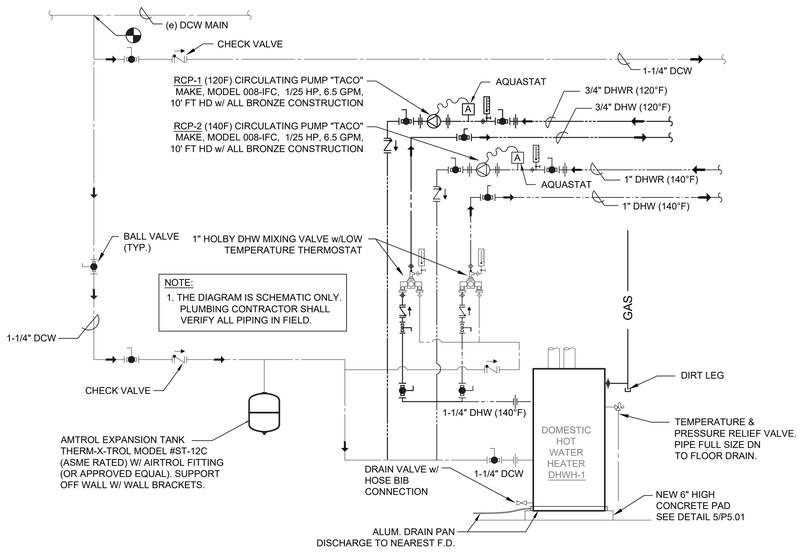
SANITARY AND GREASE WASTE



2 P5.01 — Proposed Kitchen Plumbing Riser Diagram

1/4" = 1'-0"

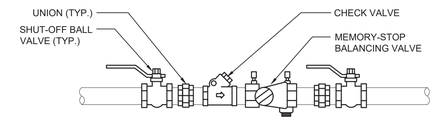
DOMESTIC WATER



3 P5.01 — Proposed Domestic Hot & Cold Water Piping Diagram

1/4" = 1'-0"

DOMESTIC WATER

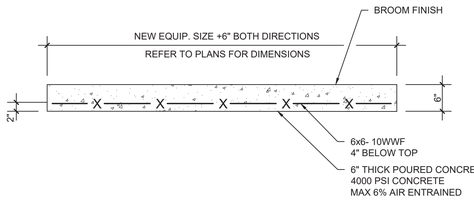


NOTES

1. ALL THREADED PIPING BETWEEN UNIONS SHALL BE BRASS.
2. INSTALL DI-ELECTRIC UNIONS FOR PIPING CONNECTIONS OF DISSIMILAR METALS.

4 P5.01 — DHWR Balancing Assembly Detail

N.T.S.



5 P5.01 — Concrete Pad Detail

N.T.S.

EQUIPMENT SCHEDULE

00 ITEM NO	EQUIPMENT CATEGORY	QTY	HOT WATER SIZE (IN)	COLD WATER SIZE (IN)	DIRECT DRAIN SIZE (IN)	IN/DIR DRAIN SIZE (IN)	GAS SIZE (IN)
2	EYE WASH STATION, WALL MNTD.	1	1/2	1/2	1-1/4		
3	HAND SINK W/ INTEGRAL UTILITY	1	1/2	1/2		1-1/2	
						1-1/2	
5	3-COMPARTMENT SINK, POTWASH	1	1/2	1/2		1-1/2	
			1/2	1/2		1-1/2	
						1-1/2	
10	WAREWASHER, DOOR TYPE, VENTLESS	1		1/2		1-1/2	
12	FILTER SYSTEM FOR ITEM #10	1		3/4			
16	PREP. TABLE, 2-COMPARTMENT	1	1/2	1/2		1-1/2	
25	WALK-IN FREEZER	1					
26	REFRIGERATION TO ITEM #25	1				3/4	
33	OVEN, CONVECTION, GAS	2					3/4
34	RANGE, HEAVY DUTY, GAS	1					1
36	STEAMER, ATMOSPHERIC	1		3/4		3/4	1/2
				3/4		3/4	1/2

SEE DRAWING FS.1 FOR ALL FOOD SERVICE DETAILS AND SCHEDULES. THE ABOVE SCHEDULE ONLY SHOWS EQUIPMENT THAT REQUIRES DOMESTIC WATER, GAS AND SANITARY DRAINS.

GRAVITY GREASE INTERCEPTOR SIZING

STANDARD PDI-G101, TABLE 8.3.2

EQUIPMENT	QUANTITY	BOWL QUANTITY	DIMENSIONS OF SINK BOWL (L x W x H IN INCHES)			DRAIN DOWN DURATION	INDIVIDUAL FIXTURE FLOW (GPM)	SIMULTANEOUS DRAINING (YES/NO)	TOTAL FIXTURE FLOW (GPM)
SINK (3-COMP)	1	2	21	21	14	2 MINUTE	10 x 2	YES	20
SINK (2-COMP)	1	2	21	21	14	2 MINUTE	10 x 2	YES	20
DISHWASHER (DOOR TYPE)	1	1	-	-	-	2 MINUTE	5	YES	5
HANDJIAN (2-COMP)	1	2	-	-	-	2 MINUTE	1.5 x 2	YES	3

GREASE PRODUCTION	TOTAL FLOW RATE (GPM)	48
SERVINGS PER DAY x GREASE PRODUCTION VALUE x DAYS BETWEEN PUMP-OUTS = GREASE OUTPUT NUMBER OF MEALS SERVED PER DAY: 150 GREASE PRODUCTION VALUE: 0.025 LBS PER SERVING (CAFE HEAT&SERVE: MEDIUM / NO FLATWARE) DAYS BETWEEN PUMP-OUTS: 30 DAYS 150 X 0.025 X 30 = 112.5 LBS OF FOG		
ZURN MODEL Z1173-900 EJECTO-MATIC GREASEPTOR (OR APPROVED EQUAL) DESCRIPTION: FABRICATED STAINLESS STEEL GREASE INTERCEPTOR DIMENSIONS: LENGTH: 36", WIDTH: 29", HEIGHT: 23" FLOW RATES/GREASE CAPACITIES: 75 GPM / 150 LBS LIQUID CAPACITY: 65 GAL		

DOMESTIC HOT WATER HEATER SCHEDULE

(AO SMITH AS STANDARD)

TAG No.	SERVICE	INPUT RATING (MBH)	RECOVERY RATE @ 100°F RISE (GPH)	STORAGE CAPACITY (GAL.)	THERMAL EFFICIENCY %	FLUE SIZE	ELECTRIC DATA VOLT/PH/HZ	MODEL & MANUFACTURER	DIMENSION DIA. x H (IN.)	APPROX. WEIGHT (LB.)	REMARKS
DHWH-1	KITCHEN	150	178	100	98	4"Ø	115/1/60	BTH-150A Mxi AO SMITH	27-3/4 x 75-1/2	523	SEE NOTES

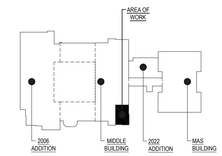
NOTES:
1. PROVIDE W/ STANDARD 150 PSI TEMPERATURE & PRESSURE RELIEF VALVE AND 4" PVC CONCENTRIC VENT.
2. PROVIDE A CONDENSATE DRAIN W/ CONDENSATE ACID NEUTRALIZING TUBE MODEL #JM-2 (OR APPROVED EQUAL) ON BOTTOM OF EXHAUST FLUE VENT
3. PROVIDE ALUMINUM DRAIN PAN, DISCHARGE W/PVC TO NEAREST FLOOR DRAIN (MAKE: HOLDRITE QP-30 OR APPROVED EQUAL.

Plumbing Legend

	Exist	Proposed		Exist	Proposed
Domestic Cold Water			Sanitary Waste		
Domestic Hot Water 120°F			Sanitary Grease Waste		GW
Domestic Hot Water Return			Sanitary InDirect Waste		
Domestic Hot Water 140°F			Sanitary Vent		
Dom Hot Water 140°F Return					

Point of Connection — Floor Drain FD — Floor Sink FS — Air Gap Fitting — Lever Control

MAMARONECK AVENUE SCHOOL



Key Plan

NOT TO SCALE

PROJECT NORTH

Date	12/20/22
Checked	MAM
Drawn	RJS

MICHAEL J. McGOVERN, R.A.
The REGISTERED ARCHITECT License No. 022257-1

Revisions:

5/25/23 — # — ISSUE FOR BID

8/17/23 — 1 — ADDENDUM 1

LAN ASSOCIATES
Engineering, Planning, Architecture, Surveying LLP
252 Main Street, Goshen, New York 10924 | t. 845-615-0350 | f. 845-615-0351

KITCHEN PLUMBING RISERS & NOTES

NEW KITCHEN DESIGN
MAMARONECK AVENUE SCHOOL
850 MAMARONECK AVENUE
MAMARONECK, NEW YORK 10543

Job No. 4.1092.85

File No. 109285P201

NYSED PROJECT # 66-07-01-03-0-004-033

P5.01