



SHEET NOTES:
 THE DELINEATION SHOWN IS FOR CLARITY OF PRESENTATION IN REGARD TO CONNECTIVITY. ALL PLUMBING PIPE RUNS ARE FIELD-RUN. CONTRACTOR TO COORDINATE PIPE RUNS WITH OTHER ENGINEERING TRADES PRIOR TO COMMENCING INSTALLATION.
 SEE ALSO RISER DIAGRAM ON SHEET P-600 TO P-603.

	1-1/4" Cold Water Pipe	88.2 FT
	1/2" Hot Water Pipe	55.3 FT
	3" PVC Sewerage Pipe	833.2 FT
	4" PVC Sewerage Pipe	184.0 FT
	GAS Pipe	112.7 FT
	1-1/2" Discharge Pipe	57.3 FT
	Vent Pipe	25.4 FT

LEGEND

COLD WATER PIPE	----	----
HOT WATER PIPE	----	----
HOT WATER RETURN PIPE	----	----
SEWER PIPE	----	----
VENT PIPE	----	----
GAS PIPE	----	----

NO.	REVISION	DATE
01	ISSUED FOR PERMIT	07-11-2023
02	DEVELOPED DESIGN	03-30-2023
03	SCHEMATIC DESIGN	03-02-2023
04	DESCRIPTION	DATE
05	REVISION HISTORY	DATE

THESE REVISIONS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER. ANY CHANGES TO THE ORIGINAL DESIGN SHALL BE MADE IN ACCORDANCE WITH THE REVISIONS. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE REVISIONS. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE REVISIONS. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE REVISIONS.

ARC ENGINEERING, PC
 1000 W. 10th St. West
 Suite 645, PO Box 293
 Lynchburg, VA 24501
 T: 202.635.0282
 F: 202.635.0286

PROPOSED SCHOOL

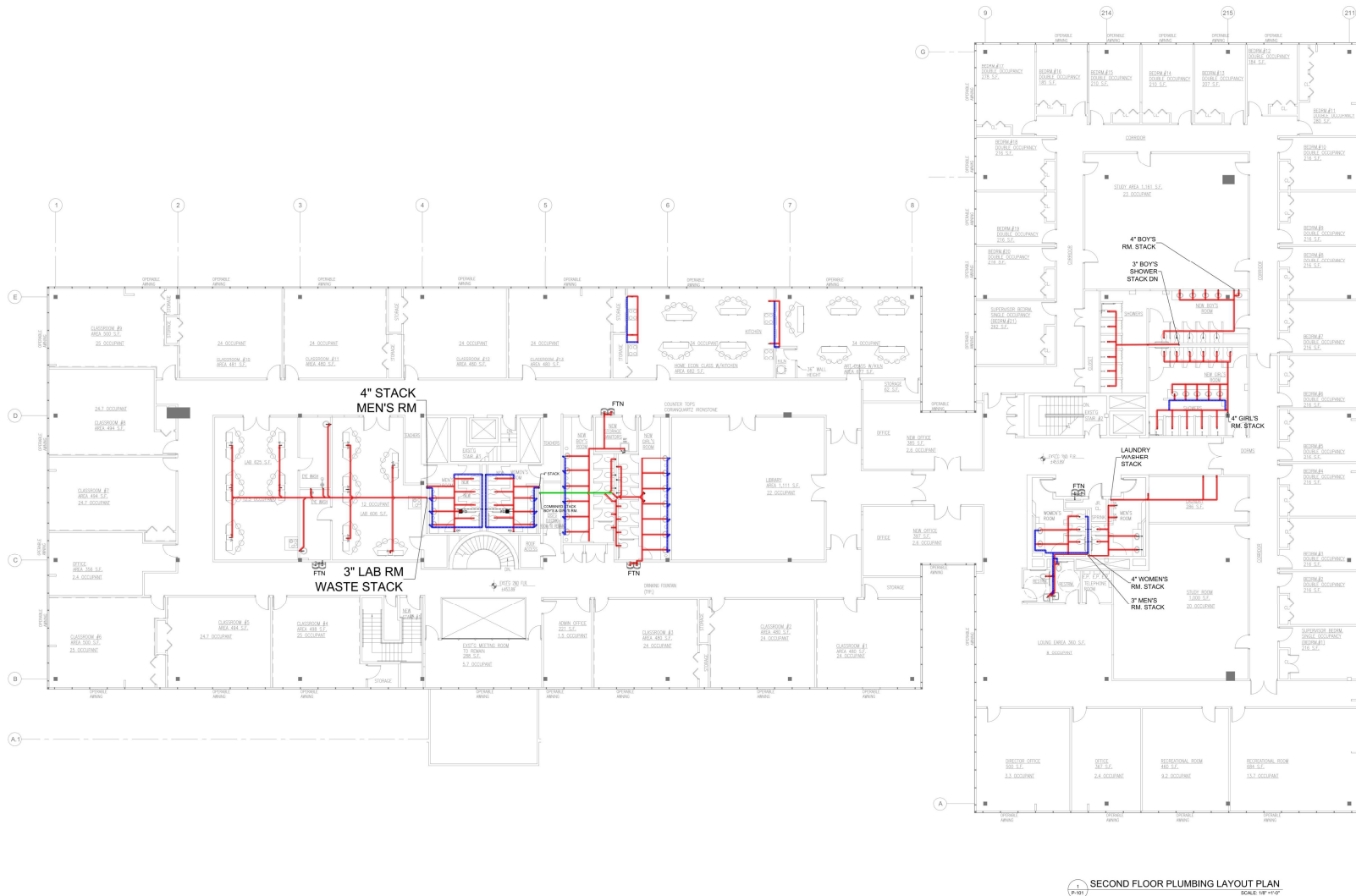
1700 VALLEY ROAD,
 WAYNE, NJ 07470
 BLOCK: 3101 LOT: 18

PLUMBING SPECIFICATIONS
 NOTES, SYMBOLS & LEGENDS
 APPLICABLE CODES, SITE PLAN
 GENERAL PLUMBING DETAILS

DATE: 08-08-2022
 DRAWN: GGA
 CHECKED: GGA
 DESIGNED: E

PROJECT: 2022-0728
 SHEET: 02-108
 TOTAL SHEETS: 108

P-101.00



SECOND FLOOR PLUMBING LAYOUT PLAN
SCALE 1/8" = 1'-0"

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3" PVC Sewerage Pipe
 4" PVC Sewerage Pipe
 Vent Pipe

809.5 FT
 16.6 FT
 219.1 FT

LEGEND
COLD WATER PIPE — CW — CW —
HOT WATER PIPE — HW — HW —
HOT WATER RETURN PIPE — HWR — HWR —
SEWER PIPE — S — S —
VENT PIPE — V — V —
GAS PIPE — GAS — GAS —

NO. 01	ISSUED FOR PERMIT	07-11-2023
NO. 02	DEVELOPED DESIGN	03-30-2023
NO. 03	SCHEMATIC DESIGN	03-02-2023
NO.	DESCRIPTION	DATE

REVISION HISTORY
The work is approved for each revision by the registered professional engineer. All revisions must be approved by the engineer of record. All revisions must be approved by the engineer of record. All revisions must be approved by the engineer of record.

ARCO ENGINEERING, PC
1050 West St. West
Suite 645, PO Box 290
Lynchburg, NJ 07011
T: 201 635 0282
F: 201 635 0286

PROPOSED SCHOOL
1700 VALLEY ROAD,
WAYNE, NJ 07470
BLOCK: 3101 LOT: 18

PLUMBING SPECIFICATIONS
NOTES, SYMBOLS & LEGENDS
APPLICABLE CODES, SITE PLAN
GENERAL PLUMBING DETAILS

DATE	08-08-2022
DESIGNER	GGA
CHECKER	GGA
APP. BY	E
PROJECT NO.	2022-0729
DATE	03-14-2023
PROJECT	1700 VALLEY ROAD

P-102.00

[illegible]

DESCRIPTION	UNIT	QUANTITY	WASTE	QUANTITY W/ WASTE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUBTOTAL
PLUMBING										
COLD WATER PIPE										
1-1/4" Cold Water Pipe	LF	1931	10%	2124	0.125	\$ 96.17	\$ 12.02	\$ 8.55	\$ 20.57	\$ 43,699.69
HOT WATER PIPE										
1/2" Hot Water Pipe	LF	1898	10%	2088	0.084	\$ 96.17	\$ 8.08	\$ 3.18	\$ 11.26	\$ 23,508.88
WASTE PIPE										
3" PVC Sewerage Pipe	LF	1643	10%	1807	0.244	\$ 96.17	\$ 23.47	\$ 2.19	\$ 25.66	\$ 46,361.22
4" PVC Sewerage Pipe	LF	201	10%	221	0.251	\$ 96.17	\$ 24.14	\$ 4.38	\$ 28.52	\$ 6,292.93
1-1/2" PVC Discharge Pipe	LF	57	10%	63	0.154	\$ 96.17	\$ 14.81	\$ 1.10	\$ 15.91	\$ 1,002.82
VENT PIPE										
2" PVC Vent Pipe	LF	244	10%	269	0.172	\$ 96.17	\$ 16.54	\$ 2.14	\$ 18.68	\$ 5,024.11
GAS PIPE										
1-1/2" Gas Pipe	LF	40	10%	44	0.170	\$ 96.17	\$ 16.35	\$ 4.45	\$ 20.80	\$ 914.22
1-1/4" Gas Pipe	LF	25	10%	28	0.149	\$ 96.17	\$ 14.33	\$ 3.19	\$ 17.52	\$ 489.32
2" Gas Pipe	LF	149	10%	164	0.223	\$ 96.17	\$ 21.45	\$ 5.06	\$ 26.51	\$ 4,344.32
2-1/2" Gas Pipe	LF	16	10%	17	0.296	\$ 96.17	\$ 28.47	\$ 5.28	\$ 33.75	\$ 586.88
3/4" Gas Pipe	LF	64	10%	71	0.098	\$ 96.17	\$ 9.42	\$ 1.94	\$ 11.36	\$ 802.05
4" Gas Pipe	LF	37	10%	41	0.426	\$ 96.17	\$ 40.97	\$ 6.57	\$ 47.54	\$ 1,939.00
PLUMBING FIXTURES										
Water Closet	EA	74	0%	74	1.159	\$ 96.17	\$ 111.46	\$ 164.55	\$ 276.01	\$ 20,424.82
Lavatory	EA	69	0%	69	1.132	\$ 96.17	\$ 108.86	\$ 110.00	\$ 218.86	\$ 15,101.65
Shower	EA	21	0%	21	1.254	\$ 96.17	\$ 120.60	\$ 269.41	\$ 390.01	\$ 8,190.15
Urinal	EA	2	0%	2	0.614	\$ 96.17	\$ 59.05	\$ 55.41	\$ 114.46	\$ 228.92
Kitchen Sink	EA	1	0%	1	1.643	\$ 96.17	\$ 158.01	\$ 1,025.00	\$ 1,183.01	\$ 1,183.01
Hand Sink	EA	1	0%	1	1.329	\$ 96.17	\$ 127.81	\$ 461.00	\$ 588.81	\$ 588.81
MOP Sink	EA	4	0%	4	1.241	\$ 96.17	\$ 119.35	\$ 258.00	\$ 377.35	\$ 1,509.39
Hose Bib	EA	7	0%	7	0.355	\$ 96.17	\$ 34.14	\$ 40.26	\$ 74.40	\$ 520.80
Drinking fountain	EA	6	0%	6	1.649	\$ 96.17	\$ 158.58	\$ 1,026.66	\$ 1,185.24	\$ 7,111.47
Cloth Washer	EA	3	0%	3	1.231	\$ 96.17	\$ 118.39	\$ 249.00	\$ 367.39	\$ 1,102.16
Footbath	EA	21	0%	21	0.408	\$ 96.17	\$ 39.24	\$ 41.39	\$ 80.63	\$ 1,693.17
Floor drains	EA	10	0%	10	0.364	\$ 96.17	\$ 35.01	\$ 40.47	\$ 75.48	\$ 754.76
EQUIPMENTS										
Tag: HW1 - Gas Water Heater @ Gym Attic	EA	1	0%	1	6.619	\$ 96.17	\$ 636.55	\$ 18,817.50	\$ 19,454.05	\$ 19,454.05
Tag: HW1 - Gas Water Heater @ Basement	EA	1	0%	1	6.619	\$ 96.17	\$ 636.55	\$ 18,817.50	\$ 19,454.05	\$ 19,454.05
Tag: SP-1 - Elevator Sump Pump	EA	1	0%	1	4.516	\$ 96.17	\$ 434.30	\$ 2,343.75	\$ 2,778.05	\$ 2,778.05
Tag: SP-1 - Zoeller Sewage Ejector	EA	1	0%	1	4.228	\$ 96.17	\$ 406.61	\$ 1,661.55	\$ 2,068.16	\$ 2,068.16
MISCELLANEOUS										
CLEANOUTS & DRAINS										
P-Trap	EA	219	0%	219	0.165	\$ 96.17	\$ 15.87	\$ 25.19	\$ 41.06	\$ 8,991.71
Shut Off valve	EA	219	0%	219	0.112	\$ 96.17	\$ 10.77	\$ 18.47	\$ 29.24	\$ 6,403.79
ALLOWANCE										
Allowance For Pipe Fittings (62460)	LS	1	0%	1	749.520	\$ 96.17	\$ 72,081.34	\$ 31,230.00	\$ 103,311.34	\$ 103,311.34