

Joe Lombardo

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Rockland Cty. Plumbing #1000 Rockland Cty. Cooling # 1468
Westchester Cty. Plumbing #460 New Jersey State Plumbing #12702

TO: Key Construction
4246 Albany Post Rd. Suite 1
Hyde Park, NY 12538

LETTER OF TRANSMITTAL

DATE: 9-25-23	JOB NO.
ATTENTION: Joe Manfredi	
RE: Vails Gate Firehouse	

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

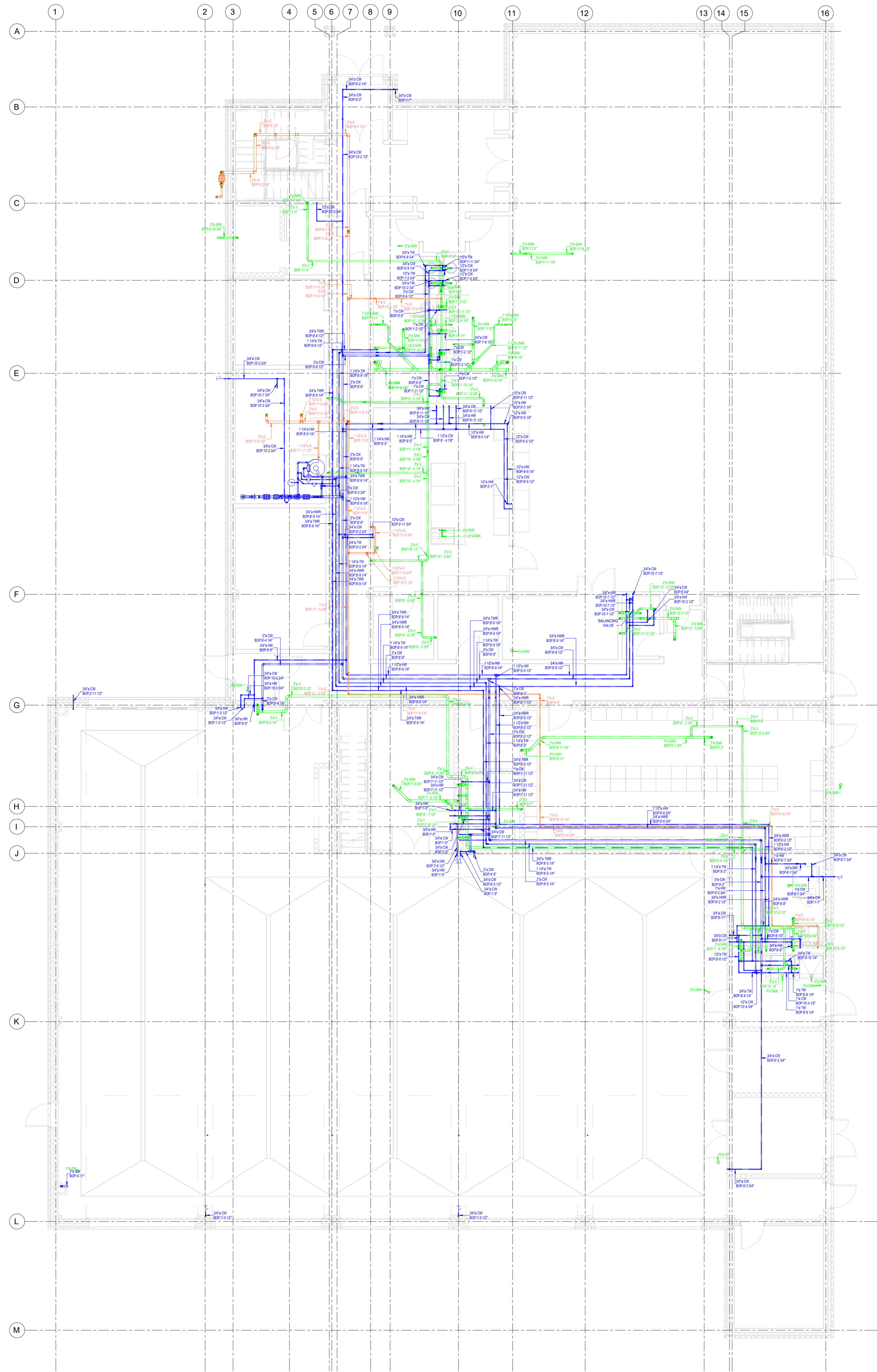
EMAIL	DATE	No.	DESCRIPTION
1	9-25-23	220000	PHASE 2 LEVEL 1 & 2 PLUMBING SHOP DWGS – WASTE AND VENT , DOMESTIC WATER AND GAS

THESE ARE TRANSMITTED as checked below:

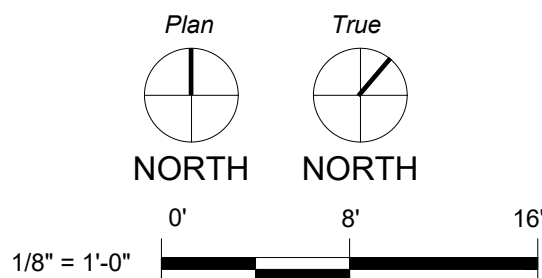
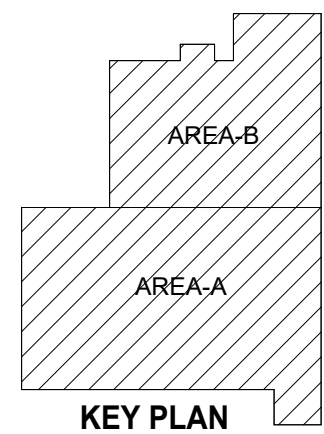
☐ For approval ☐ No Exceptions Taken ☐ Resubmit _____ copies for review
☐ For your use ☐ Make Corrections Noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Rejected ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 20 ____ ☐ PRINTS RETURNED AFTER LOAN TO US

COPY TO: Joe Manfredi

SIGNED: Ronald J. Lombardo



1 #4 PLUMBING- PHASE-2 BLDG 2 PLUMBING SHOP DWG LEVEL-1
1/4" = 1'-0"



ABBREVIATIONS

- CW = COLD WATER
HW = HOT WATER
TW = TEMPERED WATER
TWR = TEMPERED WATER RETURN
TYP = TYPICAL
HWR = HOT WATER RETURN
BOP = BOTTOM OF PIPE
WC = WATER CLOSET
UR = URINAL
SH = SHOWER
SK-1 = PREP SINK
SK-2 = HAND SINK
FS = FLOOR SINK
CA = COMPRESSED AIR
BV = BALL VALVE
HB = HOSE BIBB
LAV = LABORATORY
MV = THERMOSTATIC MIXING VALVE

COLOR LEGENDS

- SANITARY WASTE AND VENT
■ STORM DRAIN
■ WATER SUPPLY
■ COMPRESSED AIR AND GAS

PROJECT TITLE:

AILS GATE FIRE DISTRICT

872 BLOOMING
GROVE TURNPIKE
NEW WINDSOR , NY
12553

PLUMBING CONTRACTOR:

BIM-CAD CONSULTANTS:

BIM SERVICES
CAD & BIM Consulting Company

7703 N. Lamar Blvd. Suite-615
Austin, TX-78752
Phone: +1 (512) 640-3304

Email: info@BIMservices.net
Web: <http://BIMservices.net/>

DATE	09-13-2023	09-13-2023	09-13-2023	09-13-2023	09-13-2023
REVISIONS					
NO.	1	2	3	4	5

#4-PLUMBING-
PHASE-2 BLDG 2
PLUMBING SHOP DWG
LEVEL-1

CRTKL Project No.

Date : 09-13-2023

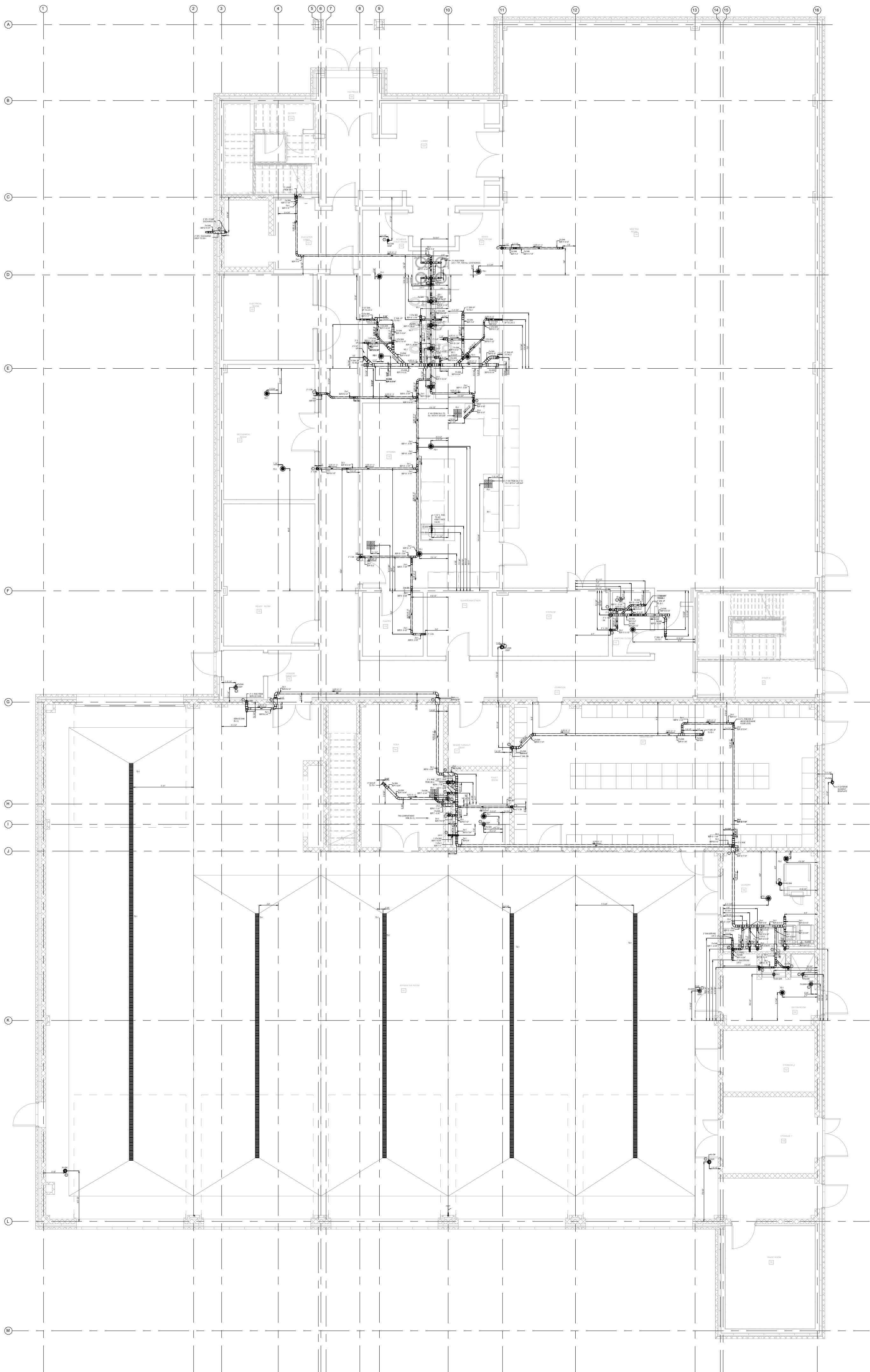
Designed By : ---

Checked By : ---

Drawing No.

PL110.05

Scale : 1/8" = 1'-0"

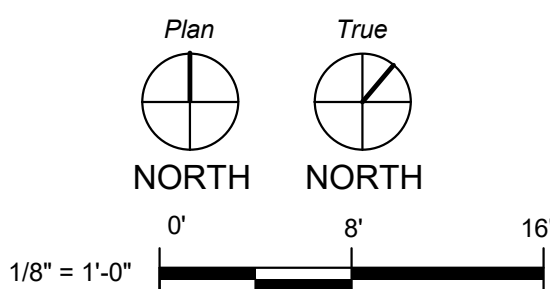
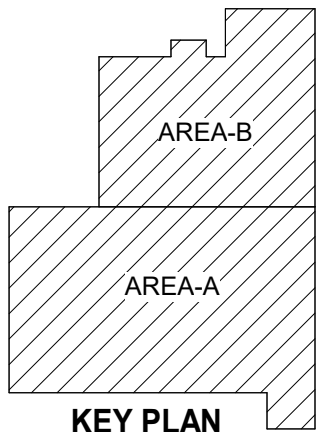


1 #4 PLUMBING- PHASE-2 BLDG 2 PLUMBING SHOP DWG LEVEL-1 WASTE VENT PLAN
1/4" = 1'-0"

PENETRATION KEYNOTES:-	
KEY VALUE	KEYNOTE TEXT
1	4" OPENING FOR 2" V PIPE
2	6" OPENING FOR 3" SAN. PIPE
3	6" OPENING FOR 4" SAN. PIPE
4	6" OPENING FOR 4" OIL WASTE PIPE
5	4" OPENING FOR 2" SAN. PIPE
6	4" OPENING FOR 1-1/2" SAN. PIPE
7	6" OPENING FOR 3" DCW PIPE
8	3" OPENING FOR 3/4" TW PIPE
9	3" OPENING FOR 3/4" DCW PIPE
10	6" OPENING FOR 3" KW. PIPE
11	13" X 2" OPENING FOR 3/4" TW, 2" SAN. PIPE, 3/4" DCW PIPE
12	2" OPENING FOR 1-1/2" SAN. PIPE
13	8" OPENING FOR 6" P-ST PIPE
14	4" Ø SLEEVE FOR 2" Ø SAN PIPE BOS: 2'-10"
15	6" Ø SLEEVE FOR 4" Ø SAN PIPE BOS: 8'-0 1/2"
16	4" Ø SLEEVE FOR 1" Ø DCW PIPE W/1" INS. BOS: 8'-5 1/4"
17	6" Ø SLEEVE FOR 3" Ø SAN PIPE BOS: 12'-5 1/2"
18	4" Ø SLEEVE FOR 2" Ø SAN PIPE W/1" INS. BOS: 8'-6 1/2"
19	4" Ø SLEEVE FOR 2" Ø SAN.ST PIPE BOS: 12'-8 3/4"

ABBREVIATION

- ST = STORM DRAIN
- SAN = SANITARY
- V = VENT
- CA = COMPRESSED AIR
- CO = CLEAN OUT
- PST = PRIMARY STORM DRAIN
- EST = EMERGENCY STORM DRAIN
- SK = HAND SINK
- WC = WATER CLOSET
- FS = FLOOR SINK
- BOP = BOTTOM OF PIPE
- UP = UP
- DN = DOWN
- RD = ROOF DRAIN



PROJECT TITLE:

AILS GATE FIRE DISTRICT

872 BLOOMING
GROVE TURNPIKE
NEW WINDSOR , NY
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REVISIONS						
NO.	1	1	1	1		

#4-PLUMBING-
PHASE-2 BLDG 2
PLUMBING SHOP DWG
LEVEL-1
WASTE VENT PLAN

CRTKL Project No.

Date : 09-13-2023

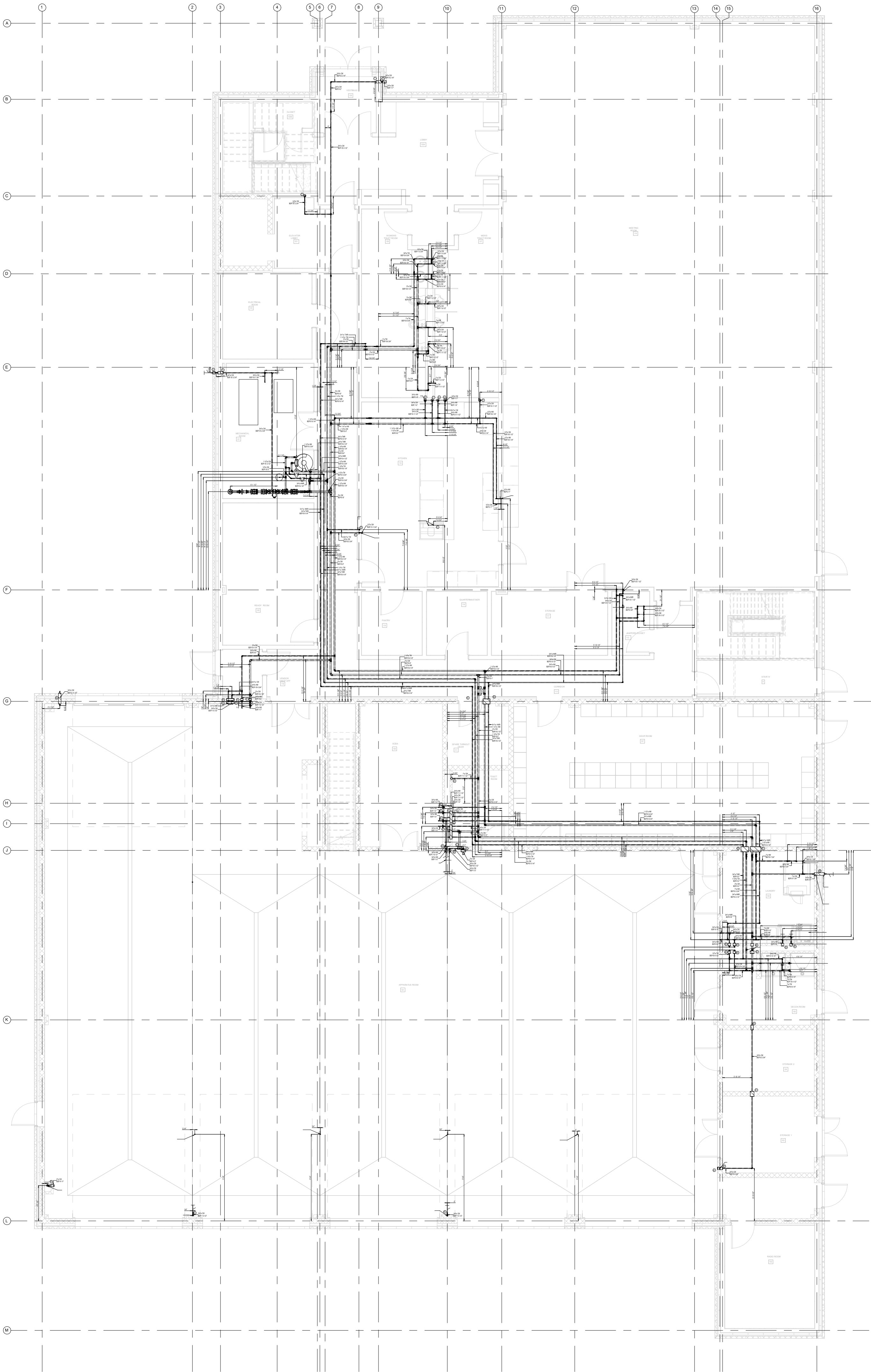
Designed By : ---

Checked By : ---

Drawing No.

PL110.05A

Scale : 1/8" = 1'-0"

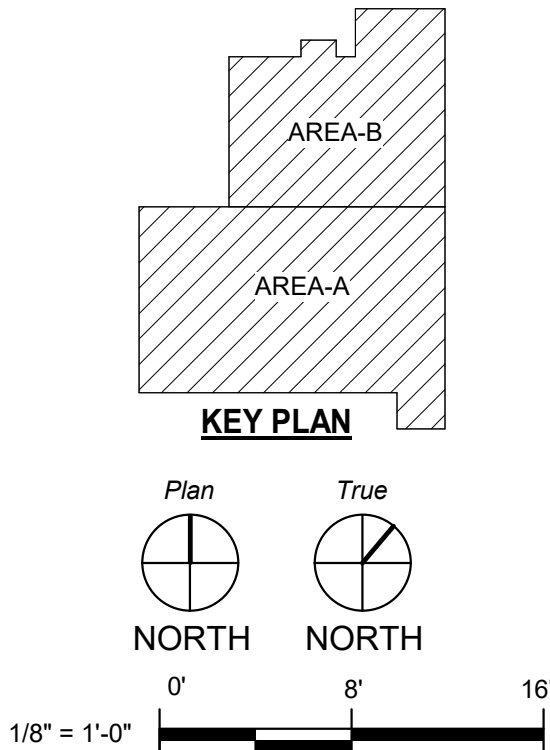


1 #4 PLUMBING- PHASE-2 BLDG 2 PLUMBING SHOP DWG LEVEL-1 WATER SUPPLY PLAN
1/4" = 1'-0"

PENETRATION KEYNOTES:-	
KEY VALUE	KEYNOTE TEXT
1	4" Ø SLEEVE FOR 3/4" Ø DCW PIPE BOS: 9'-2 3/4"
2	4" Ø SLEEVE FOR 3/4" Ø DCW PIPE BOS: 1'-7 1/2"
3	2" Ø OPENING FOR 1/2" Ø DCW W/1" INS. PIPE
4	4" Ø SLEEVE FOR 3/4" Ø DCW W/1" INS. PIPE BOS: 1'-5 1/2"
5	4" Ø SLEEVE FOR 3/4" Ø DCW W/1" INS. PIPE BOS: 10'-1 1/4"
6	4" Ø OPENING FOR 3/4" Ø DHW W/1" INS. PIPE
7	4" Ø OPENING FOR 3/4" Ø DCW W/1" INS. PIPE
8	4" Ø OPENING FOR 3/4" Ø DHW W/1" INS. PIPE
9	4" Ø OPENING FOR 3/4" Ø DCW W/1" INS. PIPE
10	4" Ø OPENING FOR 1/2" Ø DCW W/1" INS. PIPE
11	13" X 2" OPENING FOR 3/4" TW, 2" SAN. PIPE, 3/4" DCW PIPE
12	4" Ø OPENING FOR 3/4" Ø TW W/1" INS. PIPE
13	4" Ø OPENING FOR 3/4" Ø DCW W/1" INS. PIPE
14	12"x6" SLEEVE FOR 3/4" Ø DCW PIPE AND 3/4" Ø DHW PIPE BOS: 9'-11"
15	4" Ø SLEEVE FOR 3/4" DHW PIPE W/1" INS. BOS: 9'-3"
16	4" Ø SLEEVE FOR 2" DCW PIPE BOS: 9'-3"
17	20"x16" SLEEVE FOR 3/4" Ø DCW PIPE, 3/4" Ø DHW PIPE AND 3/4" Ø SANITARY PIPE BOS: 1'-2 1/2"
18	11" X 6" Ø SLEEVE FOR 3/4" TWR PIPE, 1-1/4" TW PIPE AND 2" DCW BOS: 8'-1 3/4"
19	11" X 6" Ø SLEEVE FOR 1-1/2" DHWR PIPE AND DHW BOS: 8'-1 1/2"
20	6" Ø SLEEVE FOR 4" Ø SAN PIPE BOS: 8"
21	4" Ø SLEEVE FOR 2" Ø SAN PIPE BOS: 1'-7"
22	4" Ø SLEEVE FOR 2" Ø DHW PIPE BOS: 7'-10"
23	18"x6" SLEEVE FOR 1/2" Ø DCW PIPE, 1-1/2" Ø SAN PIPE AND 1/2" Ø TEMPERED PIPE BOS: 1'-9 3/4"
24	23" x 6" SLEEVE FOR 1/2" Ø DCW PIPE, 1/2" Ø TW PIPE AND 1-1/2" Ø SANITARY PIPE BOS: 7'-6"
25	4" Ø SLEEVE FOR 3/4" DHW PIPE W/1" INS. BOS: 6'-9"
26	10" x 5" SLEEVE FOR 3/4" Ø DHW PIPE, 3/4" Ø DCW PIPE BOS: 1'-3"
27	4" Ø SLEEVE FOR 2" DCW PIPE W/1" INS. BOS: 6'-3"
28	6" Ø SLEEVE FOR 2" DCW PIPE W/1" INS. BOS: 4'-2 1/2"
29	17" x 6" SLEEVE FOR 3/4" Ø TWR AND 1-1/4" Ø TW PIPE BOS: 9'
30	17" x 8" SLEEVE FOR 1" Ø DCW PIPE, 3/4" Ø DHW AND 3/4" Ø DHW PIPE BOS: 9'
31	4" Ø SLEEVE FOR 3/4" Ø DCW PIPE BOS: 1'-5 1/2"
32	4" Ø SLEEVE FOR 3/4" Ø DCW PIPE W/1" INS. BOS: 9'-9 1/2"
33	4" Ø SLEEVE FOR 3/4" Ø DCW PIPE W/1" INS. BOS: 8'-6 1/2"
34	4" Ø SLEEVE FOR 3/4" Ø TW PIPE W/1" INS. BOS: 9'-10"
35	4" Ø SLEEVE FOR 3/4" Ø DCW PIPE W/1" INS. BOS: 10'-3 1/2"
36	4" Ø SLEEVE FOR 2" Ø DCW PIPE W/1" INS. BOS: 9'-1"
37	6" Ø SLEEVE FOR 2" Ø DCW PIPE W/1" INS. BOS: 9'-0 1/4"
38	4" Ø SLEEVE FOR 3/4" Ø DHW PIPE W/1" INS. BOS: 8'-6 1/2"
39	4" Ø SLEEVE FOR 1" Ø DCW PIPE W/1" INS. BOS: 1'-3 1/2"
40	6" Ø SLEEVE FOR 3/4" Ø DCW PIPE BOS: 9'-1 1/4"
41	4" Ø SLEEVE FOR 3/4" Ø DCW PIPE W/1" INS. BOS: 9'-0 1/4"
42	4" Ø SLEEVE FOR 3/4" Ø DCW PIPE BOS: 9'-1 1/4"
43	4" Ø SLEEVE FOR 3/4" Ø DCW PIPE BOS: 1'-3 1/2"
44	3/4" Ø SLEEVE FOR 2" Ø DCW PIPE BOS: 1'-5"
45	2" Ø SLEEVE FOR 4" Ø DCW PIPE BOS: 4'-10"

ABBREVIATION

- CW = COLD WATER
- HW = HOT WATER
- TW = TEMPERED WATER
- TWR = TEMPERED WATER RETURN
- TYP = TYPICAL
- HWR = HOT WATER RETURN
- BOP = BOTTOM OF PIPE
- WC = WATER CLOSET
- UR = URINAL
- SH = SHOWER
- SK-1 = PREP SINK
- SK-2 = HAND SINK
- FS = FLOOR SINK
- CA = COMPRESSED AIR
- BV = BALL VALVE
- HB = HOSE BIBB
- LAV = LAVATORY
- MV = THERMOSTATIC MIXING VALVE



PROJECT TITLE:

AILS GATE
FIRE DISTRICT

872 BLOOMING
GROVE TURNPIKE
NEW WINDSOR , NY
12553

PLUMBING CONTRACTOR:

BIM-CAD CONSULTANTS:



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DATE	11/11/2023	11/11/2023	11/11/2023	11/11/2023		
REVISIONS						
NO.	1	1	1	1		

#4-PLUMBING-
PHASE-2 BLDG 2
PLUMBING SHOP DWG
LEVEL-1
WATER SUPPLY PLAN

CRTKL Project No.

Date : 09-13-2023

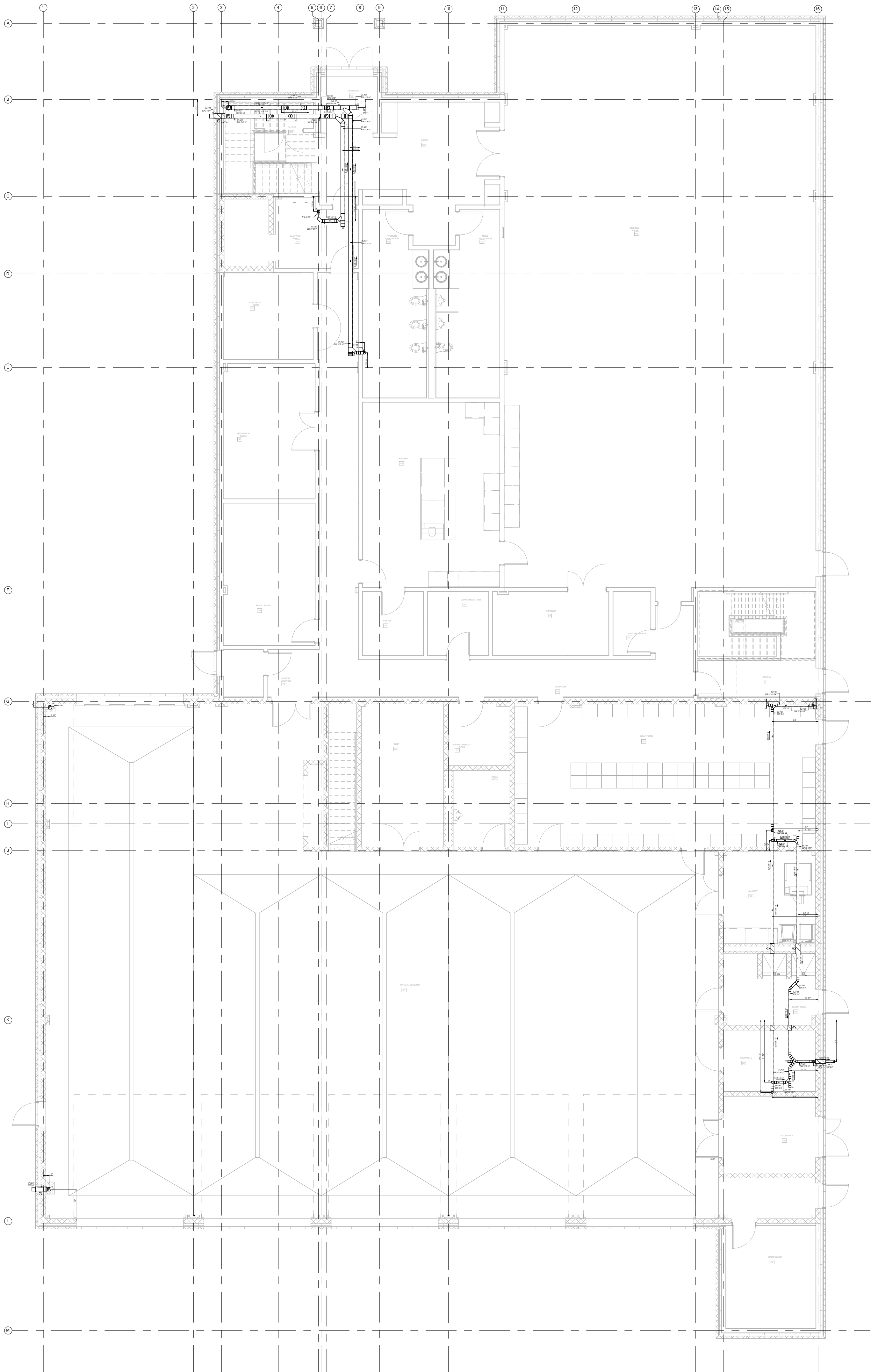
Designed By : ---

Checked By : ---

Drawing No.

PL110.05B

Scale : 1/8" = 1'-0"



1 #4 PLUMBING- PHASE-2 BLDG 2 PLUMBING SHOP DWG LEVEL-1 STORM DRAIN PLAN
1/4" = 1'-0"

PLUMBING KEYNOTES:-	
KEY VALUE	KEYNOTE TEXT
1	8" OPENING FOR 6" P ST PIPE
2	8" Ø SLEEVE FOR 6 Ø SDE ST BOS: 2'-0 3/4"
3	6" Ø SLEEVE FOR 3" Ø SD P.ST PIPE BOS:13'-0 1/2"
4	6" Ø SLEEVE FOR 3" Ø SD E.ST PIPE BOS: 13'-5 1/2"
5	6" Ø SLEEVE FOR 3" Ø SD P.ST PIPE BOS:13'-1 1/4"
6	6" Ø SLEEVE FOR 3" Ø SD E.ST PIPE BOS: 13'-5 1/2"
7	6" Ø SLEEVE FOR 3" Ø SD E.ST PIPE BOS: 2'-1 3/4"
8	8" Ø SLEEVE FOR 6 Ø SD E.ST PIPE BOS: 1'-10 1/2"

ABBREVIATION	
ST	= STORM DRAIN
SAN	= SANITARY
V	= VENT
CA	= COMPRESSED AIR
CO	= CLEAN OUT
PST	= PRIMARY STORM DRAIN
EST	= EMERGENCY STORM DRAIN
SK	= HAND SINK
WC	= WATER CLOSET
FS	= FLOOR SINK
BOP	= BOTTOM OF PIPE
UP	= UP
DN	= DOWN
RD	= ROOF DRAIN

PROJECT TITLE:

VAILS GATE FIRE DISTRICT

872 BLOOMING
GROVE TURNPIKE
NEW WINDSOR , NY
12553

PLUMBING CONTRACTOR:

BIM-CAD CONSULTANTS:



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NO.	REVISIONS	DATE			
		1	2	3	4

#4-PLUMBING-
PHASE-2 BLDG 2
PLUMBING SHOP DWG
LEVEL-1
STORM DRAIN PLAN

CRTKL Project No.

Date : 09-13-2023

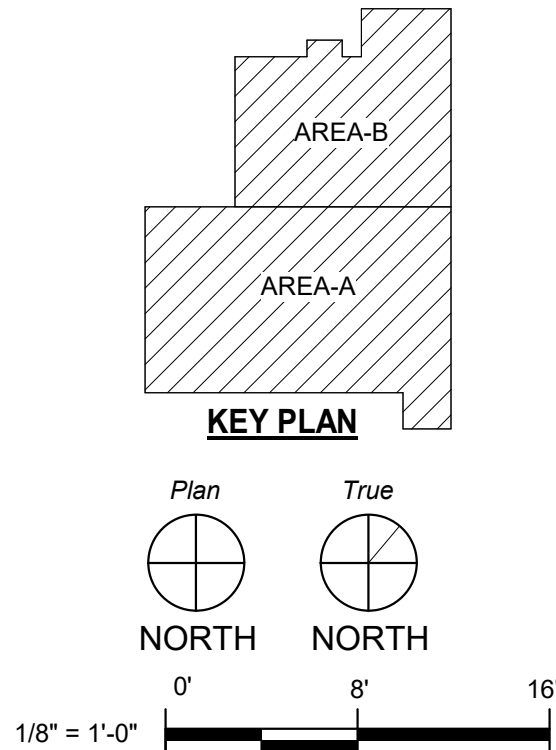
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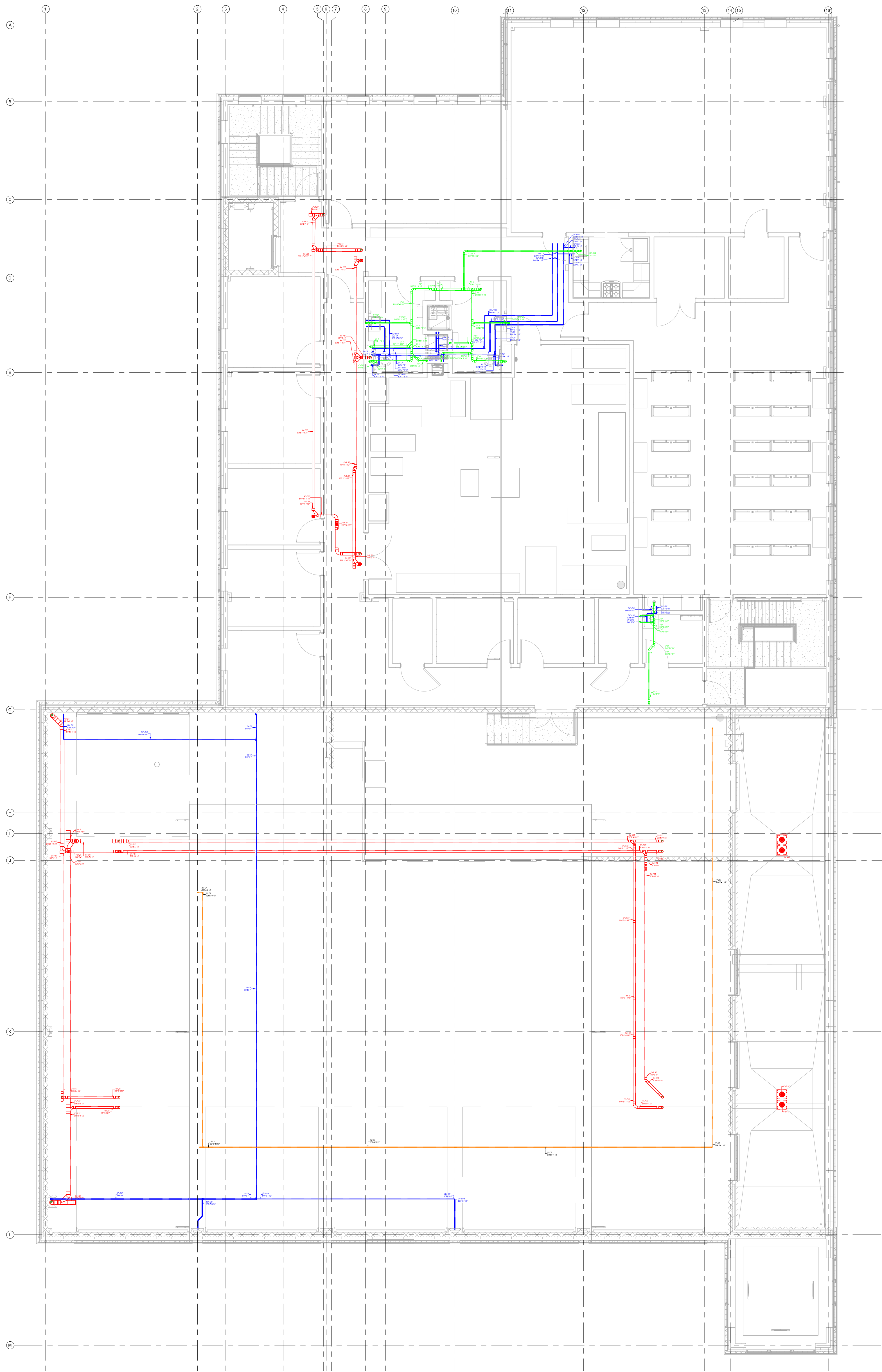
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Drawing No.

PL110.05C

Scale : 1/8" = 1'-0"





ABBREVIATIONS

- CW = COLD WATER
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TW = TEMPERED WATER
TWR = TEMPERED WATER RETURN
TYP = TYPICAL
HWR = HOT WATER RETURN
BOP = BOTTOM OF PIPE
WC = WATER CLOSET
UR = URINAL
SH = SHOWER
SK-1 = PREP SINK
SK-2 = HAND SINK
FS = FLOOR SINK
CA = COMPRESSED AIR
BV = BALL VALVE
HB = HOSE BIBB
LAV = LABORATORY
MV = THERMOSTATIC MIXING VALVE

COLOR LEGENDS

- SANITARY WASTE AND VENT
 STORM DRAIN
 WATER SUPPLY
 COMPRESSED AIR AND GAS

PROJECT TITLE:

AILS GATE
FIRE DISTRICT

872 BLOOMING
GROVE TURNPIKE
NEW WINDSOR , NY
12553

PLUMBING CONTRACTOR:

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NO.					

#4-PLUMBING-
PHASE-2 BLDG 2
PLUMBING SHOP DWG
LEVEL-2

CRTKL Project No.

Date : 09-13-2023

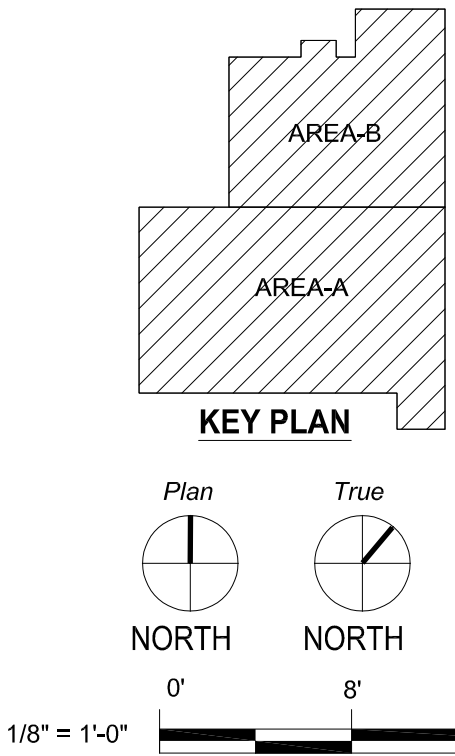
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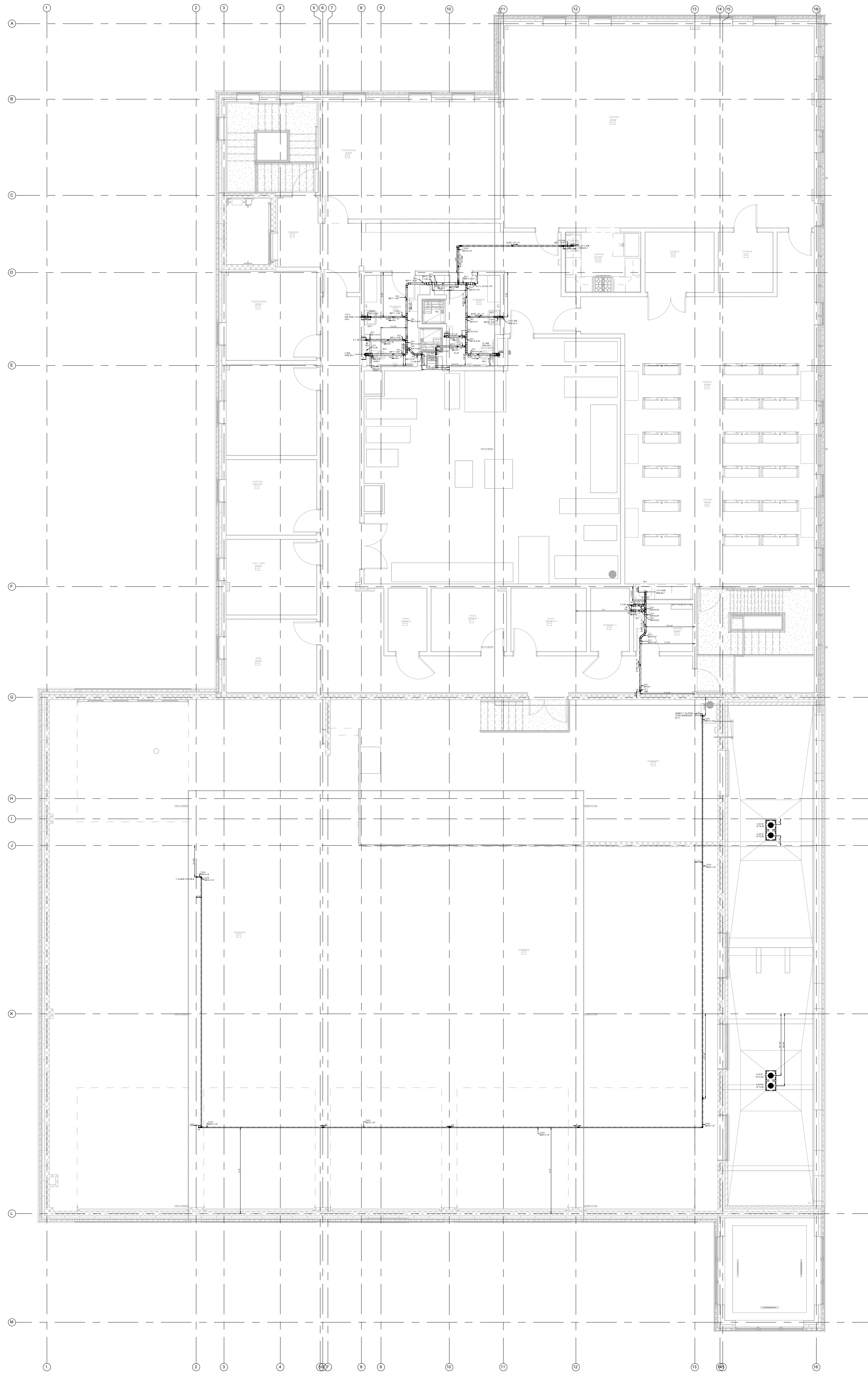
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1 #4 PLUMBING- PHASE-2 BLDG 2 PLUMBING SHOP DWG LEVEL-2
1/4" = 1'-0"



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1 #4 PLUMBING- PHASE-2 BLDG 2 PLUMBING SHOP DWG LEVEL-2 WASTE VENT PLAN
1/4" = 1'-0"

ABBREVIATION

- ST = STORM DRAIN
- SAN = SANITARY
- V = VENT
- CA = COMPRESSED AIR
- CO = CLEAN OUT
- PST = PRIMARY STORM DRAIN
- EST = EMERGENCY STORM DRAIN
- SK = HAND SINK
- WC = WATER CLOSET
- FS = FLOOR SINK
- BOP = BOTTOM OF PPE
- UP = UP
- DN = DOWN
- RD = ROOF DRAIN

PROJECT TITLE:

AILS GATE
FIRE DISTRICT

872 BLOOMING
GROVE TURNPIKE
NEW WINDSOR , NY
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DATE	10/1/2023	10/1/2023	10/1/2023	10/1/2023				
REVISIONS								
NO.	1	1	1	1				

#4-PLUMBING-
PHASE-2 BLDG 2
PLUMBING SHOP DWG
LEVEL-2
WASTE VENT PLAN

CRTKL Project No.

Date : 09-13-2023

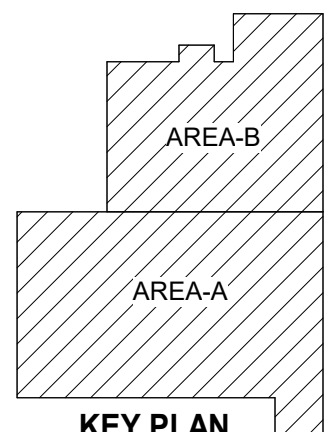
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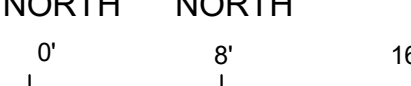
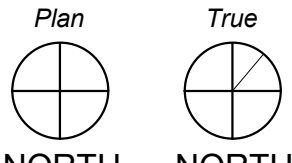
Drawing No.

PL110.06A

Scale : 1/8" = 1'-0"



KEY PLAN



1/8" = 1'-0"

ABBREVIATION

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SAN = SANITARY
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SK = HAND SINK
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RD = ROOF DRAIN

PROJECT TITLE:

AILS GATE
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REVISIONS						
NO.	1	1	1	1		

#4-PLUMBING-
PHASE-2 BLDG 2
PLUMBING SHOP DWG
LEVEL-2
STORMDRAIN PLAN

CRTKL Project No.

Date : 09-13-2023

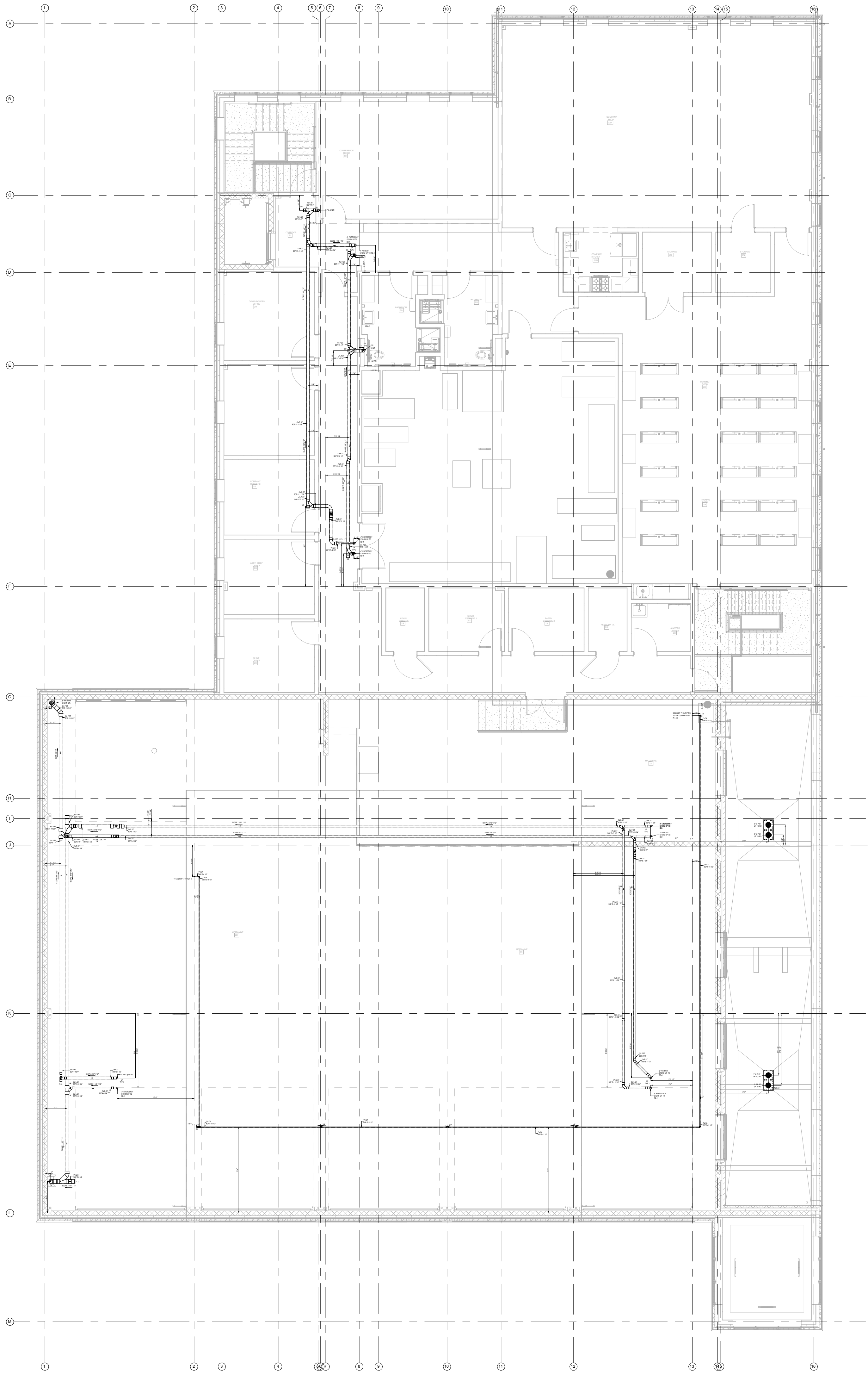
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Checked By : ---

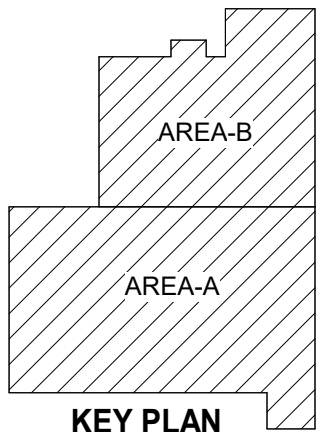
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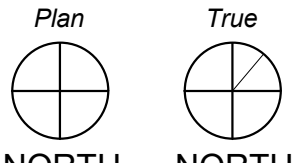
Scale : 1/8" = 1'-0"



1 #4 PLUMBING- PHASE-2 BLDG 2 PLUMBING SHOP DWG LEVEL-2STORM DRAIN PLAN
1/4" = 1'-0"



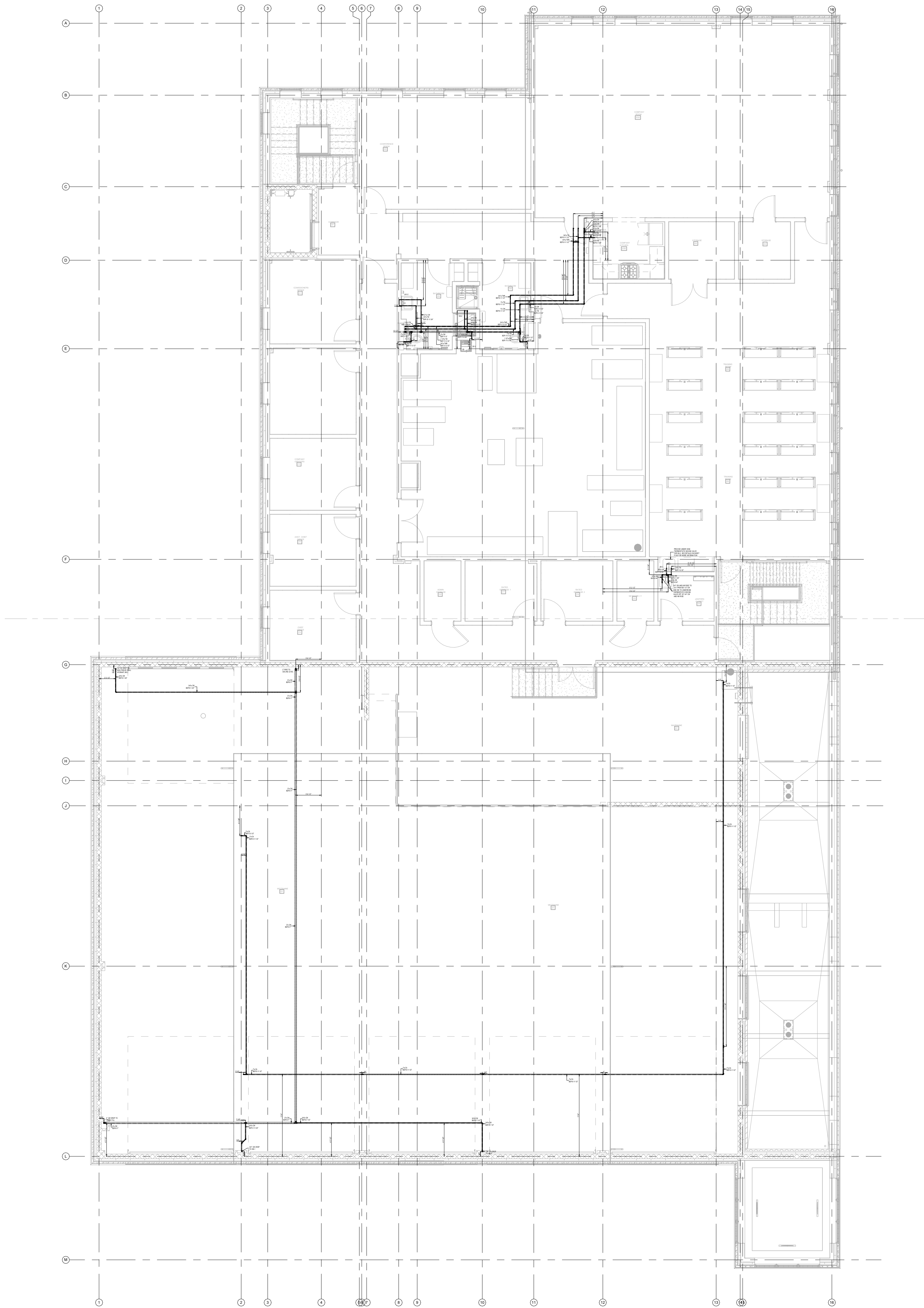
KEY PLAN



0' 8' 16'

1/8" = 1'-0"

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1 #4 PLUMBING- PHASE-2 BLDG 2 PLUMBING SHOP DWG LEVEL-2 WATER SUPPLY PLAN
1/4" = 1'-0"

- ABBREVIATION**
- CW = COLD WATER
 - TW = TEMPERED WATER
 - TWR = TEMPERED WATER RETURN
 - BOP = BOTTOM OF PIPE
 - G = GAS
 - DN = DOWN
 - TYP = TYPICAL
 - LAV = LAVATORY
 - BOP = BOTTOM OF PIPE
 - WC = WATER CLOSET
 - SK-1 = PREP SINK
 - DF = DRINKING FOUNTAIN

PROJECT TITLE:

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#4-PLUMBING-
PHASE-2 BLDG 2
PLUMBING SHOP DWG
LEVEL-2
WATERSUPPLY PLAN

CRTKL Project No.

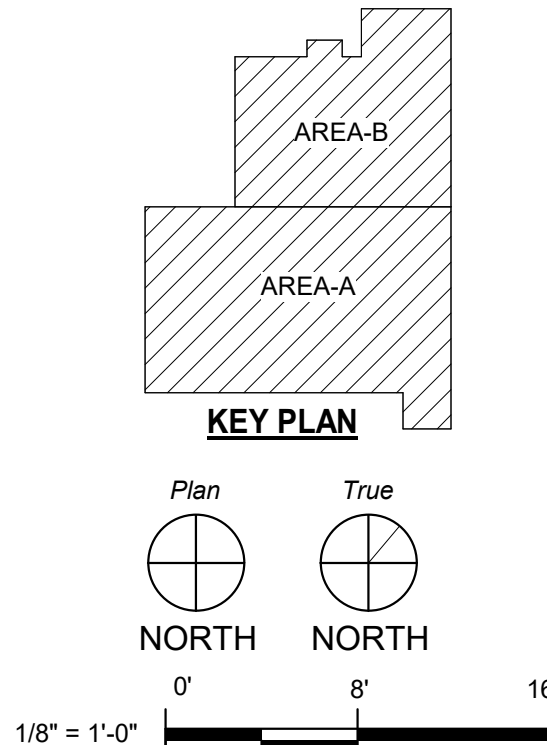
Date : 09-13-2023

Designed By : ---

Checked By : ---

Drawing No. PL110.06C

Scale : 1/8" = 1'-0"



ABBREVIATION

CW = COLD WATER
TW = TEMPERED WATER
TWR = TEMPERED WATER RETURN
BOP = BOTTOM OF PIPE
G = GAS
DN = DOWN
TYP = TYPICAL
LAV = LAVATORY
BOP = BOTTOM OF PIPE
WC = WATER CLOSET
SK-1 = PREP SINK
DF = DRINKING FOUNTAIN

PROJECT TITLE:

AILS GATE
FIRE DISTRICT

872 BLOOMING
GROVE TURNPIKE
NEW WINDSOR , NY
12553

PLUMBING CONTRACTOR:

BIM-CAD CONSULTANTS:



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DATE	11-11-2023	11-11-2023	11-11-2023	11-11-2023				
REVISIONS								
NO.	1	1	1	1				

#4-PLUMBING-
PHASE-2 BLDG 2
PLUMBING SHOP DWG
LEVEL-2
GAS PLAN

CRTKL Project No.

Date : 09-13-2023

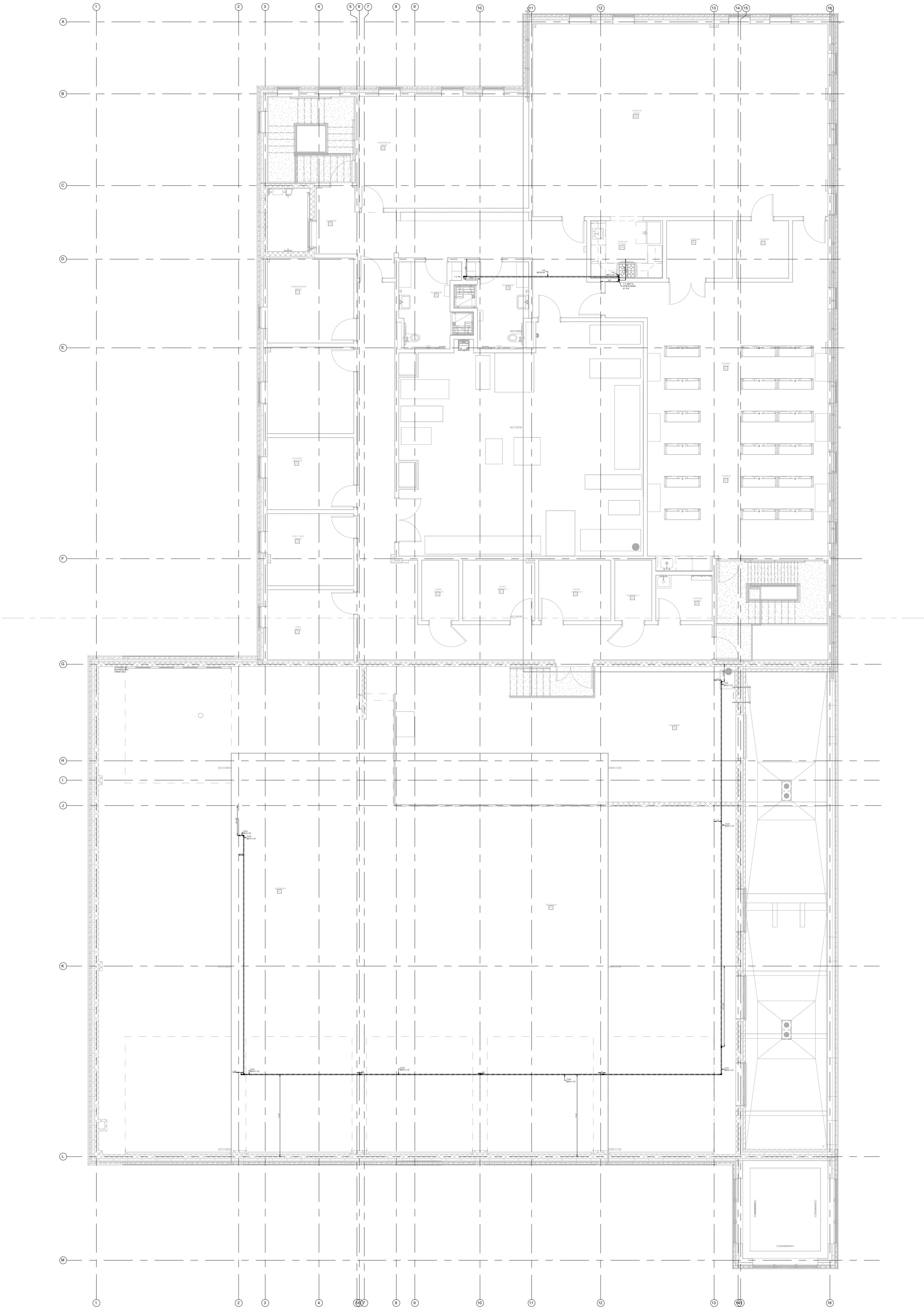
Designed By : ---

Checked By : ---

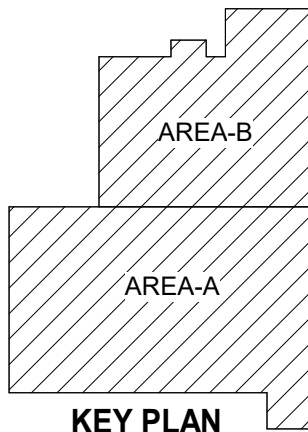
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PL110.06D

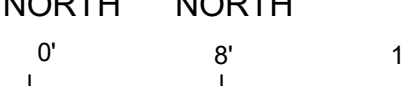
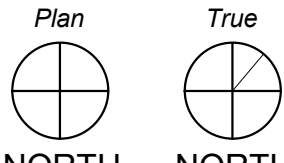
Scale : 1/8" = 1'-0"



1 #4 PLUMBING- PHASE-2 BLDG 2 PLUMBING SHOP DWG LEVEL-2 GAS PLAN
1/4" = 1'-0"



KEY PLAN



1/8" = 1'-0"